



**3120104 Alpha Geoscience
Ranco Sand and Stone
Q4 2023
Category B Report**



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

EPA 245.1, Rev. 3.0(1994)



SAMPLE DATA



ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
Sampled:	11/30/23 09:25	Method:	EPA 245.1, Rev. 3.0(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7439-97-6	Mercury	0.002	U



ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
Sampled:	11/30/23 15:10	Method:	EPA 245.1, Rev. 3.0(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7439-97-6	Mercury	0.002	U



ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
Sampled:	11/30/23 11:40	Method:	EPA 245.1, Rev. 3.0(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7439-97-6	Mercury	0.002	U



ANALYSIS DATA SHEET

MW-7B

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-06
Sampled:	11/30/23 13:35	Method:	EPA 245.1, Rev. 3.0(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7439-97-6	Mercury	0.002	U



ANALYSIS DATA SHEET

MW-7C

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-07
Sampled:	11/30/23 11:14	Method:	EPA 245.1, Rev. 3.0(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7439-97-6	Mercury	0.002	U



ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
Sampled:	11/30/23 00:00	Method:	EPA 245.1, Rev. 3.0(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7439-97-6	Mercury	0.002	U



ANALYSIS DATA SHEET

EQ Blank

Laboratory: Long Island Analytical Laboratories, Inc. SDG:
Client: Ranco Sand & Stone Corporation Project: Analysis
Matrix: Non-Potable Water Laboratory ID: 3120104-09
Sampled: 11/30/23 13:50 Method: EPA 245.1, Rev. 3.0(1994)
% Solids: 0.00 Dilution: 1

CAS NO.	Analyte	Concentration (mg/L)	Q
7439-97-6	Mercury	0.002	U



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 245.1, Rev. 3.0(1994)
Batch:	B349115	Preparation:	EPA 245.1
% Solids:		Laboratory ID:	B349115-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Mercury	0.00800	ND	0.00662	83	70 - 130

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	RPD	QC LIMITS REC.
Mercury	0.00800	0.00666	83	0.6	20	70 - 130



3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 245.1, Rev. 3.0(1994)

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Matrix: Non-Potable Water Preparation: EPA 245.1
Batch: B349115 Laboratory ID: B349115-BS1
Column: Initial/Final: 25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Mercury	0.00200	0.00203	102	84.5 - 115



METHOD DETECTION AND REPORTING LIMITS

Laboratory: Long Island Analytical Laboratories, Inc.

Work Order: 3120104

Client: Ranco Sand & Stone Corporation

Matrix: Non-Potable Water

Instrument: m-7600

Analyte	MDL	MRL	Units	Method
Mercury	0.0007	0.002	mg/L	EPA 245.1, Rev. 3.0(1994)



PREPARATION BATCH SUMMARY

EPA 245.1, Rev. 3.0(1994)

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Batch: B349115 Batch Matrix: Non-Potable Water Preparation: EPA 245.1

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-3A	3120104-01	12/06/23 14:22	25.00	25.00
MW-6AR	3120104-04	12/06/23 14:22	25.00	25.00
MW-7A	3120104-05	12/06/23 14:22	25.00	25.00
MW-7B	3120104-06	12/06/23 14:22	25.00	25.00
MW-7C	3120104-07	12/06/23 14:22	25.00	25.00
DUP	3120104-08	12/06/23 14:22	25.00	25.00
EQ Blank	3120104-09	12/06/23 14:22	25.00	25.00
Blank	B349115-BLK1	12/06/23 14:22	25.00	25.00
LCS	B349115-BS1	12/06/23 14:22	25.00	25.00
MW-3A	B349115-MS1	12/06/23 14:22	25.00	25.00
MW-3A	B349115-MSD1	12/06/23 14:22	25.00	25.00

Report Generated By Teledyne Leeman QuickTrace

Analyst: CETAC

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\121323hgbacv.wszf

Creation Date: 12/13/2023 12:15:08 PM

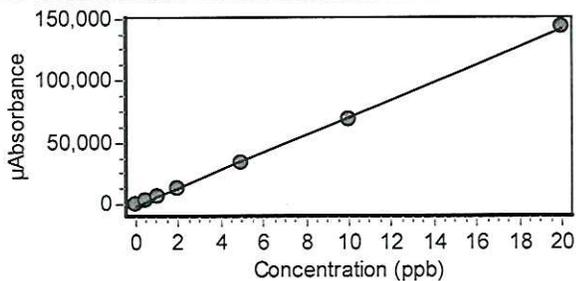
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags	% Recovery
Single:	UNK	12/13/23 12:37:34 pm	0.000	61440	0.26			N/A
Replicates		61250.3 61375.8 61522.8 61612.8						
Calibration Blank	STD	12/13/23 12:41:44 pm	0.000	1196	1.58			N/A
Replicates		1189.3 1191.8 1178.8 1222.8						
Standard #1 (0.5 ppb)	STD	12/13/23 12:46:19 pm	0.500	3168	1.08	20.97%		N/A
Replicates		3204.0 3166.5 3179.5 3122.5						
Standard #2 (1.0 ppb)	STD	12/13/23 12:48:36 pm	1.000	6491	0.59	7.00%		N/A
Replicates		6469.8 6474.3 6469.8 6548.3						
Standard #3 (2.0 ppb)	STD	12/13/23 12:50:53 pm	2.000	12757	0.34	-2.64%		N/A
Replicates		12752.1 12697.6 12781.1 12795.6						
Standard #4 (5.0 ppb)	STD	12/13/23 12:53:11 pm	5.000	33523	0.13	-2.91%		N/A
Replicates		33460.2 33544.2 33524.2 33562.2						
Standard #5 (10.0 ppb)	STD	12/13/23 12:55:28 pm	10.000	67992	0.47	-3.20%		N/A
Replicates		67594.2 67917.7 68100.2 68354.7						
Standard #6 20.0ppb	STD	12/13/23 12:57:46 pm	20.000	143107	0.34	0.98%		N/A
Replicates		142529.5 142957.5 143279.5 143662.5						
Replacement: Calibration Blank	STD	12/13/23 01:05:20 pm	0.000	-95	36.83			N/A
Replicates		-110.7 -93.7 -127.7 -46.7						

Calibration

Equation: $Abs = 7143.110x + -1152.510$
 R2: 0.99936 RSE: 11.35%
 SEE: 1437.8760
 Flags: C



ICV	ICV	12/13/23 01:14:46 pm	10.400	73190	0.29			104.08
Replicates		72925.9 73132.9 73278.9 73421.9						
CCV	CCV	12/13/23 01:24:41 pm	8.460	59313	0.05		Q	84.65
Replicates		59270.7 59313.2 59329.7 59340.2						
ICB	ICB	12/13/23 01:27:21 pm	-0.316	-3409	2.66			N/A
Replicates		-3391.8 -3483.8 -3419.8 -3339.8						
CCB	CCB	12/13/23 01:29:39 pm	-0.048	-1494	7.47			N/A
Replicates		-1511.9 -1513.9 -1491.4 -1458.9						

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags	% Recovery
CCV	CCV	12/13/23 01:32:32 pm	8.990	63066	0.05		Q	89.90
Replicates		63046.0 63088.0 63102.5 63027.0						
b349218-bs1	UNK	12/13/23 01:37:44 pm	1.680	10869	0.39			N/A
Replicates		10880.9 10800.9 10906.4 10888.9						
b349218-blk1	UNK	12/13/23 01:40:00 pm	0.006	-1111	78.46			N/A
Replicates		-1087.6 -1112.6 -1156.6 -1088.6						
b349218-blk2	UNK	12/13/23 01:42:16 pm	0.037	-886	10.95			N/A
Replicates		-843.1 -908.6 -896.6 -895.6						
3120419-03	UNK	12/13/23 01:44:33 pm	0.067	-676	3.14			N/A
Replicates		-690.8 -655.3 -678.3 -680.3						
3120425-02	UNK	12/13/23 01:46:50 pm	0.117	-315	4.58			N/A
Replicates		-336.3 -259.3 -321.8 -343.3						
3120427-01	UNK	12/13/23 01:49:08 pm	0.118	-308	2.96			N/A
Replicates		-274.0 -333.5 -316.0 -310.5						
b349218-ms1	UNK	12/13/23 01:51:25 pm	7.900	55258	0.21			N/A
Replicates		55099.5 55241.0 55314.5 55376.0						
b349218-msd1	UNK	12/13/23 01:53:41 pm	7.250	50653	0.31			N/A
Replicates		50468.0 50577.0 50733.0 50834.0						
b349166-bs1	UNK	12/13/23 01:55:58 pm	1.280	8014	0.52			N/A
Replicates		7945.6 8017.6 8039.6 8051.6						
b349166-blk1	UNK	12/13/23 01:58:14 pm	-0.114	-1965	2.97			N/A
Replicates		-1981.9 -1972.9 -1928.9 -1974.9						
CCV	CCV	12/13/23 02:00:33 pm	8.980	63014	0.14		Q	89.83
Replicates		62941.5 62930.0 63076.5 63107.0						
CCB	CCB	12/13/23 02:03:49 pm	-0.215	-2685	1.98			N/A
Replicates		-2640.1 -2695.1 -2697.6 -2707.1						
b349166-bs1	UNK	12/13/23 02:09:22 pm	1.760	11445	0.29			N/A
Replicates		11407.8 11444.8 11495.3 11433.8						
3120101-01	UNK	12/13/23 02:11:39 pm	0.156	-37	3.09			N/A
Replicates		-56.9 -28.9 -70.9 7.1						
3120101-02	UNK	12/13/23 02:13:56 pm	0.165	30	1.03			N/A
Replicates		15.8 45.3 26.8 30.3						
3120101-03	UNK	12/13/23 02:16:14 pm	0.086	-540	5.95			N/A
Replicates		-543.1 -536.1 -584.1 -495.1						
3120101-04	UNK	12/13/23 02:18:31 pm	0.109	-371	2.35			N/A
Replicates		-354.6 -396.6 -361.6 -370.6						
3120101-05	UNK	12/13/23 02:20:48 pm	0.109	-371	2.41			N/A
Replicates		-361.7 -371.7 -397.7 -354.7						

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Residual	Flags	% Recovery
3120101-06	UNK	12/13/23 02:23:04 pm	0.107	-386	5.99			N/A
Replicates		-426.7 -319.7 -397.2 -398.7						
3120101-07	UNK	12/13/23 02:25:21 pm	0.111	-357	1.70			N/A
Replicates		-349.7 -377.2 -347.7 -355.2						
3120101-08	UNK	12/13/23 02:31:06 pm	7.500	52433	0.21			N/A
Replicates		52286.2 52418.7 52471.2 52556.7						
CCV	CCV	12/13/23 02:33:25 pm	9.420	66170	0.30			94.25
Replicates		65944.9 66090.9 66222.4 66422.9						
CCB	CCB	12/13/23 02:35:44 pm	0.140	-156	2.89		Q	N/A
Replicates		-147.2 -121.2 -189.2 -166.2						
b349166-ms1	UNK	12/13/23 02:38:01 pm	7.460	52117	0.15			N/A
Replicates		52014.2 52105.7 52133.2 52213.7						
b349166-msd1	UNK	12/13/23 02:40:18 pm	7.520	52540	0.09			N/A
Replicates		52486.2 52524.2 52593.2 52557.2						
3120101-09	UNK	12/13/23 02:42:36 pm	0.126	-255	3.14			N/A
Replicates		-255.1 -221.1 -290.1 -255.1						
b349115-bs1	UNK	12/13/23 02:48:28 pm	2.030	13324	0.08			N/A
Replicates		13321.0 13325.5 13310.5 13338.5						
b349115-blk1	UNK	12/13/23 02:54:38 pm	0.201	281	1.19			N/A
Replicates		278.9 286.4 259.4 300.4						
3120104-01	UNK	12/13/23 02:56:55 pm	0.250	634	1.61			N/A
Replicates		614.4 604.4 658.9 658.4						
3120104-07	UNK	12/13/23 02:59:11 pm	0.168	45	2.07			N/A
Replicates		82.1 31.1 39.6 29.1						
3120104-08	UNK	12/13/23 03:01:28 pm	0.214	374	1.22			N/A
Replicates		371.0 375.0 351.5 397.0						
3120104-04	UNK	12/13/23 03:03:45 pm	0.256	677	1.56			N/A
Replicates		674.2 656.2 659.7 718.2						
3120104-05	UNK	12/13/23 03:06:03 pm	0.269	766	1.25			N/A
Replicates		744.6 799.1 765.6 753.1						
CCV	CCV	12/13/23 04:12:37 pm	9.840	69157	0.32			98.43
Replicates		68871.0 69094.5 69300.0 69361.5						
CCB	CCB	12/13/23 04:14:55 pm	0.161	-1	3.68		Q	N/A
Replicates		22.2 45.7 -29.3 -44.3						
3120104-06	UNK	12/13/23 04:17:12 pm	0.178	117	2.32			N/A
Replicates		84.4 137.9 100.4 145.9						
b349115-ms1	UNK	12/13/23 04:21:19 pm	6.620	46126	0.12			N/A
Replicates		46044.9 46143.9 46140.4 46172.9						

Sample Name	Type	Date/Time	Conc (ppb)	μAbs	%RSD	Residual	Flags	% Recovery
b349115-msd1	UNK	12/13/23 04:23:36 pm	6.660	46423	0.18			N/A
Replicates	46335.7	46373.2 46458.2 46524.2						
3120104-09	UNK	12/13/23 04:25:53 pm	0.194	233	4.00			N/A
Replicates	261.8	233.3 155.8 282.3						
b350071-bs1	UNK	12/13/23 04:32:35 pm	11.700	82519	0.85			N/A
Replicates	81579.4	82370.9 82961.9 83161.9						
b350071-blk1	UNK	12/13/23 04:34:52 pm	0.120	-294	4.41			N/A
Replicates	-282.0	-346.0 -256.0 -290.0						
3121121-04	UNK	12/13/23 04:38:45 pm	O/R	373541	0.09		O	N/A
Replicates	373071.3	373483.3 373789.8 373820.3						
3121121-05	UNK	12/13/23 04:47:37 pm	1.730	11192	0.56			N/A
Replicates	11100.1	11178.6 11248.1 11241.6						
3120656-05	UNK	12/13/23 04:55:05 pm	23.700	168371	1.23			N/A
Replicates	165661.8	167818.8 169941.8 170059.8						
b350071-ms1	UNK	12/13/23 04:57:22 pm	O/R	230387	2.03		O	N/A
Replicates	225021.1	228308.6 232416.1 235802.6						
CCV	CCV	12/13/23 05:12:19 pm	8.920	62551	0.23		Q	89.18
Replicates	62713.2	62596.2 62532.2 62361.2						
CCB	CCB	12/13/23 05:14:37 pm	0.153	-63	2.33		Q	N/A
Replicates	-80.9	-24.9 -73.4 -70.9						
CCV	CCV	12/13/23 05:16:56 pm	10.200	71817	0.12			102.15
Replicates	71711.9	71778.9 71874.9 71901.9						
3121121-06	UNK	12/13/23 05:21:02 pm	1.990	13067	0.77			N/A
Replicates	13194.5	13112.5 13017.0 12942.5						
b350071-msd1	UNK	12/13/23 05:23:19 pm	15.200	107080	0.57			N/A
Replicates	107828.4	107293.9 106765.4 106430.9						
3120656-06	UNK	12/13/23 05:29:50 pm	2.190	14497	0.50			N/A
Replicates	14443.8	14437.8 14500.8 14606.8						
3120656-07	UNK	12/13/23 05:33:33 pm	O/R	270118	0.25		O	N/A
Replicates	269324.2	269831.7 270512.7 270801.7						
3120532-01	UNK	12/13/23 05:40:35 pm	2.710	18185	0.35			N/A
Replicates	18268.4	18202.4 18157.9 18109.4						
3120533-01	UNK	12/13/23 05:42:52 pm	3.980	27305	0.72			N/A
Replicates	27002.1	27377.6 27452.6 27387.6						
3120536-02	UNK	12/13/23 05:48:17 pm	0.449	2053	1.37			N/A
Replicates	2060.3	2112.8 2021.3 2018.8						
3120536-01	UNK	12/13/23 05:50:35 pm	0.395	1672	0.90			N/A
Replicates	1677.4	1675.4 1636.9 1697.4						

Sample Name	Type	Date/Time	Conc (ppb)	μAbs	%RSD	Residual	Flags	% Recovery
3121123-03@	UNK	12/13/23 05:52:53 pm	O/R	507160	0.33		O	N/A
Replicates	505223.2	506473.7	507754.7	509188.7				
CCV	CCV	12/13/23 06:01:48 pm	9.660	67822	0.77			96.56
Replicates	68340.9	68112.9	67713.4	67121.9				
CCB	CCB	12/13/23 06:04:07 pm	0.084	-551	2.63		Q	N/A
Replicates	-542.1	-554.6	-571.6	-535.6				
b349116-bs1	UNK	12/13/23 06:06:24 pm	2.290	15238	0.05			N/A
Replicates	15242.4	15247.9	15231.9	15229.9				
b349116-blk1	UNK	12/13/23 06:08:42 pm	0.178	120	2.64			N/A
Replicates	112.4	115.9	85.4	165.9				
3120104-01	UNK	12/13/23 06:10:59 pm	0.170	64	1.73			N/A
Replicates	90.8	61.8	39.3	63.8				
3120104-09	UNK	12/13/23 06:13:17 pm	0.192	216	0.40			N/A
Replicates	220.1	212.1	220.6	210.1				
3120104-07	UNK	12/13/23 06:15:34 pm	0.189	199	2.95			N/A
Replicates	158.8	199.3	184.3	253.3				
3120104-04	UNK	12/13/23 06:17:52 pm	0.194	235	2.68			N/A
Replicates	259.5	186.5	268.5	226.5				
3120104-05	UNK	12/13/23 06:20:10 pm	0.201	283	2.03			N/A
Replicates	280.9	300.4	308.9	243.4				
3120104-06	UNK	12/13/23 06:22:28 pm	0.191	209	1.67			N/A
Replicates	220.3	181.3	200.8	233.3				
3120104-08	UNK	12/13/23 06:24:46 pm	0.209	339	0.78			N/A
Replicates	336.8	336.8	354.8	326.8				
b349116-ms1	UNK	12/13/23 06:27:04 pm	7.390	51605	0.22			N/A
Replicates	51519.6	51567.1	51558.6	51774.1				
CCV	CCV	12/13/23 06:30:20 pm	10.000	70331	0.15			100.07
Replicates	70471.2	70354.2	70270.2	70230.2				
CCB	CCB	12/13/23 06:32:38 pm	0.128	-241	2.21		Q	N/A
Replicates	-231.5	-269.5	-223.5	-238.5				
b349116-msd1	UNK	12/13/23 06:34:56 pm	7.510	52522	0.26			N/A
Replicates	52358.1	52458.6	52612.1	52658.6				
CCV	CCV	12/13/23 06:42:11 pm	9.840	69155	0.14			98.43
Replicates	69255.5	69225.5	69051.5	69089.5				
CCB	CCB	12/13/23 06:44:29 pm	0.135	-188	1.58		Q	N/A
Replicates	-180.1	-206.1	-195.1	-172.1				



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

EPA 200.7, Rev. 4.4(1994)



SAMPLE DATA

ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
Sampled:	11/30/23 09:25	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7429-90-5	Aluminum	0.25	U
7440-70-2	Calcium	3.98	
57-12-5	Cyanide	0.02	U
1854-02-99	Hexavalent Chromium	0.100	U
7429-90-5	Aluminum, Dissolved (dissolved)	0.05	U
7440-36-0	Antimony	0.05	U
7440-36-0	Antimony, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic, Dissolved (dissolved)	0.05	U
7440-39-3	Barium, Dissolved (dissolved)	1.00	U
7440-41-7	Beryllium, Dissolved (dissolved)	0.02	U
7440-43-9	Cadmium, Dissolved (dissolved)	0.05	U
7440-70-2	Calcium, Dissolved (dissolved)	4.25	
7440-47-3	Chromium, Dissolved (dissolved)	0.05	U
7440-48-4	Cobalt, Dissolved (dissolved)	0.05	U
7440-50-8	Copper, Dissolved (dissolved)	0.05	U
7439-89-6	Iron, Dissolved (dissolved)	0.20	U
7439-92-1	Lead, Dissolved (dissolved)	0.05	U
7439-95-4	Magnesium, Dissolved (dissolved)	1.08	
7439-96-5	Manganese, Dissolved (dissolved)	0.05	U
7439-97-6	Mercury, Dissolved (dissolved)	0.002	U
7440-02-0	Nickel, Dissolved (dissolved)	0.05	U
7440-09-7	Potassium, Dissolved (dissolved)	1.56	C
7782-49-2	Selenium, Dissolved (dissolved)	0.05	U
7440-22-4	Silver, Dissolved (dissolved)	0.05	U
7440-23-5	Sodium, Dissolved (dissolved)	4.04	

ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
Sampled:	11/30/23 09:25	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7440-28-0	Thallium, Dissolved (dissolved)	0.05	U
7440-62-2	Vanadium, Dissolved (dissolved)	0.05	U
7440-66-6	Zinc, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic	0.05	U
7440-39-3	Barium	0.05	U
7440-41-7	Beryllium	0.02	U
7440-43-9	Cadmium	0.01	U
7440-47-3	Chromium	0.05	U
7440-48-4	Cobalt	0.05	U
7440-50-8	Copper	0.05	U
7439-89-6	Iron	0.20	U
7439-92-1	Lead	0.05	U
7439-95-4	Magnesium	1.04	
7439-96-5	Manganese	0.05	U
7440-02-0	Nickel	0.05	U
7440-09-7	Potassium	1.46	C
7782-49-2	Selenium	0.05	U
7440-22-4	Silver	0.05	U
7440-23-5	Sodium	3.75	
7440-28-0	Thallium	0.05	U
7440-62-2	Vanadium	0.05	U
7440-66-6	Zinc	0.05	U

ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
Sampled:	11/30/23 15:10	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7429-90-5	Aluminum	0.25	U
7440-70-2	Calcium	24.9	
57-12-5	Cyanide	0.02	U
1854-02-99	Hexavalent Chromium	0.100	U
7429-90-5	Aluminum, Dissolved (dissolved)	0.05	U
7440-36-0	Antimony	0.05	U
7440-36-0	Antimony, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic, Dissolved (dissolved)	0.05	U
7440-39-3	Barium, Dissolved (dissolved)	1.00	U
7440-41-7	Beryllium, Dissolved (dissolved)	0.02	U
7440-43-9	Cadmium, Dissolved (dissolved)	0.05	U
7440-70-2	Calcium, Dissolved (dissolved)	24.9	
7440-47-3	Chromium, Dissolved (dissolved)	0.05	U
7440-48-4	Cobalt, Dissolved (dissolved)	0.05	U
7440-50-8	Copper, Dissolved (dissolved)	0.05	U
7439-89-6	Iron, Dissolved (dissolved)	0.20	U
7439-92-1	Lead, Dissolved (dissolved)	0.05	U
7439-95-4	Magnesium, Dissolved (dissolved)	5.16	
7439-96-5	Manganese, Dissolved (dissolved)	5.10	
7439-97-6	Mercury, Dissolved (dissolved)	0.002	U
7440-02-0	Nickel, Dissolved (dissolved)	0.05	U
7440-09-7	Potassium, Dissolved (dissolved)	2.99	C
7782-49-2	Selenium, Dissolved (dissolved)	0.05	U
7440-22-4	Silver, Dissolved (dissolved)	0.05	U
7440-23-5	Sodium, Dissolved (dissolved)	11.5	

ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
Sampled:	11/30/23 15:10	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7440-28-0	Thallium, Dissolved (dissolved)	0.05	U
7440-62-2	Vanadium, Dissolved (dissolved)	0.05	U
7440-66-6	Zinc, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic	0.05	U
7440-39-3	Barium	0.05	U
7440-41-7	Beryllium	0.02	U
7440-43-9	Cadmium	0.01	U
7440-47-3	Chromium	0.05	U
7440-48-4	Cobalt	0.05	U
7440-50-8	Copper	0.05	U
7439-89-6	Iron	0.20	U
7439-92-1	Lead	0.05	U
7439-95-4	Magnesium	5.16	
7439-96-5	Manganese	5.10	
7440-02-0	Nickel	0.05	U
7440-09-7	Potassium	3.01	C
7782-49-2	Selenium	0.05	U
7440-22-4	Silver	0.05	U
7440-23-5	Sodium	11.6	
7440-28-0	Thallium	0.05	U
7440-62-2	Vanadium	0.05	U
7440-66-6	Zinc	0.05	U

ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
Sampled:	11/30/23 11:40	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7429-90-5	Aluminum	0.25	U
7440-70-2	Calcium	20.5	
57-12-5	Cyanide	0.02	U
1854-02-99	Hexavalent Chromium	0.100	U
7429-90-5	Aluminum, Dissolved (dissolved)	0.05	U
7440-36-0	Antimony	0.05	U
7440-36-0	Antimony, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic, Dissolved (dissolved)	0.05	U
7440-39-3	Barium, Dissolved (dissolved)	1.00	U
7440-41-7	Beryllium, Dissolved (dissolved)	0.02	U
7440-43-9	Cadmium, Dissolved (dissolved)	0.05	U
7440-70-2	Calcium, Dissolved (dissolved)	21.2	
7440-47-3	Chromium, Dissolved (dissolved)	0.05	U
7440-48-4	Cobalt, Dissolved (dissolved)	0.05	U
7440-50-8	Copper, Dissolved (dissolved)	0.05	U
7439-89-6	Iron, Dissolved (dissolved)	0.20	U
7439-92-1	Lead, Dissolved (dissolved)	0.05	U
7439-95-4	Magnesium, Dissolved (dissolved)	7.32	
7439-96-5	Manganese, Dissolved (dissolved)	0.09	
7439-97-6	Mercury, Dissolved (dissolved)	0.002	U
7440-02-0	Nickel, Dissolved (dissolved)	0.05	U
7440-09-7	Potassium, Dissolved (dissolved)	2.03	C
7782-49-2	Selenium, Dissolved (dissolved)	0.05	U
7440-22-4	Silver, Dissolved (dissolved)	0.05	U
7440-23-5	Sodium, Dissolved (dissolved)	9.87	



ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
Sampled:	11/30/23 11:40	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7440-28-0	Thallium, Dissolved (dissolved)	0.05	U
7440-62-2	Vanadium, Dissolved (dissolved)	0.05	U
7440-66-6	Zinc, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic	0.05	U
7440-39-3	Barium	0.05	U
7440-41-7	Beryllium	0.02	U
7440-43-9	Cadmium	0.01	U
7440-47-3	Chromium	0.05	U
7440-48-4	Cobalt	0.05	U
7440-50-8	Copper	0.05	U
7439-89-6	Iron	0.20	U
7439-92-1	Lead	0.05	U
7439-95-4	Magnesium	7.03	
7439-96-5	Manganese	0.16	
7440-02-0	Nickel	0.05	U
7440-09-7	Potassium	1.97	C
7782-49-2	Selenium	0.05	U
7440-22-4	Silver	0.05	U
7440-23-5	Sodium	9.53	
7440-28-0	Thallium	0.05	U
7440-62-2	Vanadium	0.05	U
7440-66-6	Zinc	0.05	U

ANALYSIS DATA SHEET

MW-7B

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-06
Sampled:	11/30/23 13:35	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7429-90-5	Aluminum	0.25	U
7440-70-2	Calcium	24.9	
57-12-5	Cyanide	0.02	U
1854-02-99	Hexavalent Chromium	0.100	U
7429-90-5	Aluminum, Dissolved (dissolved)	0.05	U
7440-36-0	Antimony	0.05	U
7440-36-0	Antimony, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic, Dissolved (dissolved)	0.05	U
7440-39-3	Barium, Dissolved (dissolved)	1.00	U
7440-41-7	Beryllium, Dissolved (dissolved)	0.02	U
7440-43-9	Cadmium, Dissolved (dissolved)	0.05	U
7440-70-2	Calcium, Dissolved (dissolved)	25.1	
7440-47-3	Chromium, Dissolved (dissolved)	0.05	U
7440-48-4	Cobalt, Dissolved (dissolved)	0.05	U
7440-50-8	Copper, Dissolved (dissolved)	0.05	U
7439-89-6	Iron, Dissolved (dissolved)	0.20	U
7439-92-1	Lead, Dissolved (dissolved)	0.05	U
7439-95-4	Magnesium, Dissolved (dissolved)	7.89	
7439-96-5	Manganese, Dissolved (dissolved)	0.05	U
7439-97-6	Mercury, Dissolved (dissolved)	0.002	U
7440-02-0	Nickel, Dissolved (dissolved)	0.05	U
7440-09-7	Potassium, Dissolved (dissolved)	1.98	C
7782-49-2	Selenium, Dissolved (dissolved)	0.05	U
7440-22-4	Silver, Dissolved (dissolved)	0.05	U
7440-23-5	Sodium, Dissolved (dissolved)	11.0	



ANALYSIS DATA SHEET

MW-7B

Laboratory: Long Island Analytical Laboratories, Inc. SDG:
Client: Ranco Sand & Stone Corporation Project: Analysis
Matrix: Non-Potable Water Laboratory ID: 3120104-06
Sampled: 11/30/23 13:35 Method: EPA 200.7, Rev. 4.4(1994)
% Solids: 0.00 Dilution: 1

CAS NO.	Analyte	Concentration (mg/L)	Q
7440-28-0	Thallium, Dissolved (dissolved)	0.05	U
7440-62-2	Vanadium, Dissolved (dissolved)	0.05	U
7440-66-6	Zinc, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic	0.05	U
7440-39-3	Barium	0.05	U
7440-41-7	Beryllium	0.02	U
7440-43-9	Cadmium	0.01	U
7440-47-3	Chromium	0.05	U
7440-48-4	Cobalt	0.05	U
7440-50-8	Copper	0.05	U
7439-89-6	Iron	0.62	
7439-92-1	Lead	0.05	U
7439-95-4	Magnesium	7.80	
7439-96-5	Manganese	0.05	U
7440-02-0	Nickel	0.05	U
7440-09-7	Potassium	1.98	C
7782-49-2	Selenium	0.05	U
7440-22-4	Silver	0.05	U
7440-23-5	Sodium	10.9	
7440-28-0	Thallium	0.05	U
7440-62-2	Vanadium	0.05	U
7440-66-6	Zinc	0.05	U

ANALYSIS DATA SHEET

MW-7C

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-07
Sampled:	11/30/23 11:14	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7429-90-5	Aluminum	0.25	U
7440-70-2	Calcium	10.1	
57-12-5	Cyanide	0.02	U
1854-02-99	Hexavalent Chromium	0.100	U
7429-90-5	Aluminum, Dissolved (dissolved)	0.05	U
7440-36-0	Antimony	0.05	U
7440-36-0	Antimony, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic, Dissolved (dissolved)	0.05	U
7440-39-3	Barium, Dissolved (dissolved)	1.00	U
7440-41-7	Beryllium, Dissolved (dissolved)	0.02	U
7440-43-9	Cadmium, Dissolved (dissolved)	0.05	U
7440-70-2	Calcium, Dissolved (dissolved)	10.0	
7440-47-3	Chromium, Dissolved (dissolved)	0.05	U
7440-48-4	Cobalt, Dissolved (dissolved)	0.05	U
7440-50-8	Copper, Dissolved (dissolved)	0.05	U
7439-89-6	Iron, Dissolved (dissolved)	0.20	U
7439-92-1	Lead, Dissolved (dissolved)	0.05	U
7439-95-4	Magnesium, Dissolved (dissolved)	3.34	
7439-96-5	Manganese, Dissolved (dissolved)	0.05	U
7439-97-6	Mercury, Dissolved (dissolved)	0.002	U
7440-02-0	Nickel, Dissolved (dissolved)	0.05	U
7440-09-7	Potassium, Dissolved (dissolved)	3.19	C
7782-49-2	Selenium, Dissolved (dissolved)	0.05	U
7440-22-4	Silver, Dissolved (dissolved)	0.05	U
7440-23-5	Sodium, Dissolved (dissolved)	13.9	



ANALYSIS DATA SHEET

MW-7C

Laboratory: Long Island Analytical Laboratories, Inc. SDG:
Client: Ranco Sand & Stone Corporation Project: Analysis
Matrix: Non-Potable Water Laboratory ID: 3120104-07
Sampled: 11/30/23 11:14 Method: EPA 200.7, Rev. 4.4(1994)
% Solids: 0.00 Dilution: 1

CAS NO.	Analyte	Concentration (mg/L)	Q
7440-28-0	Thallium, Dissolved (dissolved)	0.05	U
7440-62-2	Vanadium, Dissolved (dissolved)	0.05	U
7440-66-6	Zinc, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic	0.05	U
7440-39-3	Barium	0.05	U
7440-41-7	Beryllium	0.02	U
7440-43-9	Cadmium	0.01	U
7440-47-3	Chromium	0.05	U
7440-48-4	Cobalt	0.05	U
7440-50-8	Copper	0.05	U
7439-89-6	Iron	0.20	U
7439-92-1	Lead	0.05	U
7439-95-4	Magnesium	3.27	
7439-96-5	Manganese	0.05	U
7440-02-0	Nickel	0.05	U
7440-09-7	Potassium	3.36	C
7782-49-2	Selenium	0.05	U
7440-22-4	Silver	0.05	U
7440-23-5	Sodium	14.4	
7440-28-0	Thallium	0.05	U
7440-62-2	Vanadium	0.05	U
7440-66-6	Zinc	0.05	U

ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
Sampled:	11/30/23 00:00	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7429-90-5	Aluminum	0.25	U
7440-70-2	Calcium	9.95	
57-12-5	Cyanide	0.02	U
1854-02-99	Hexavalent Chromium	0.100	U
7429-90-5	Aluminum, Dissolved (dissolved)	0.05	U
7440-36-0	Antimony	0.05	U
7440-36-0	Antimony, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic, Dissolved (dissolved)	0.05	U
7440-39-3	Barium, Dissolved (dissolved)	1.00	U
7440-41-7	Beryllium, Dissolved (dissolved)	0.02	U
7440-43-9	Cadmium, Dissolved (dissolved)	0.05	U
7440-70-2	Calcium, Dissolved (dissolved)	9.38	
7440-47-3	Chromium, Dissolved (dissolved)	0.05	U
7440-48-4	Cobalt, Dissolved (dissolved)	0.05	U
7440-50-8	Copper, Dissolved (dissolved)	0.05	U
7439-89-6	Iron, Dissolved (dissolved)	0.20	U
7439-92-1	Lead, Dissolved (dissolved)	0.05	U
7439-95-4	Magnesium, Dissolved (dissolved)	3.12	
7439-96-5	Manganese, Dissolved (dissolved)	0.05	U
7439-97-6	Mercury, Dissolved (dissolved)	0.002	U
7440-02-0	Nickel, Dissolved (dissolved)	0.05	U
7440-09-7	Potassium, Dissolved (dissolved)	3.01	C
7782-49-2	Selenium, Dissolved (dissolved)	0.05	U
7440-22-4	Silver, Dissolved (dissolved)	0.05	U
7440-23-5	Sodium, Dissolved (dissolved)	13.1	



ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
Sampled:	11/30/23 00:00	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7440-28-0	Thallium, Dissolved (dissolved)	0.05	U
7440-62-2	Vanadium, Dissolved (dissolved)	0.05	U
7440-66-6	Zinc, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic	0.05	U
7440-39-3	Barium	0.05	U
7440-41-7	Beryllium	0.02	U
7440-43-9	Cadmium	0.01	U
7440-47-3	Chromium	0.05	U
7440-48-4	Cobalt	0.05	U
7440-50-8	Copper	0.05	U
7439-89-6	Iron	0.20	U
7439-92-1	Lead	0.05	U
7439-95-4	Magnesium	3.27	
7439-96-5	Manganese	0.05	U
7440-02-0	Nickel	0.05	U
7440-09-7	Potassium	3.24	C
7782-49-2	Selenium	0.05	U
7440-22-4	Silver	0.05	U
7440-23-5	Sodium	14.1	
7440-28-0	Thallium	0.05	U
7440-62-2	Vanadium	0.05	U
7440-66-6	Zinc	0.05	U

ANALYSIS DATA SHEET

EQ Blank

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-09
Sampled:	11/30/23 13:50	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7429-90-5	Aluminum	0.25	U
7440-70-2	Calcium	1.00	U
57-12-5	Cyanide	0.02	U
1854-02-99	Hexavalent Chromium	0.100	U
7429-90-5	Aluminum, Dissolved (dissolved)	0.05	U
7440-36-0	Antimony	0.05	U
7440-36-0	Antimony, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic, Dissolved (dissolved)	0.05	U
7440-39-3	Barium, Dissolved (dissolved)	1.00	U
7440-41-7	Beryllium, Dissolved (dissolved)	0.02	U
7440-43-9	Cadmium, Dissolved (dissolved)	0.05	U
7440-70-2	Calcium, Dissolved (dissolved)	0.10	U
7440-47-3	Chromium, Dissolved (dissolved)	0.05	U
7440-48-4	Cobalt, Dissolved (dissolved)	0.05	U
7440-50-8	Copper, Dissolved (dissolved)	0.05	U
7439-89-6	Iron, Dissolved (dissolved)	0.20	U
7439-92-1	Lead, Dissolved (dissolved)	0.05	U
7439-95-4	Magnesium, Dissolved (dissolved)	0.05	U
7439-96-5	Manganese, Dissolved (dissolved)	0.05	U
7439-97-6	Mercury, Dissolved (dissolved)	0.002	U
7440-02-0	Nickel, Dissolved (dissolved)	0.05	U
7440-09-7	Potassium, Dissolved (dissolved)	0.25	UC
7782-49-2	Selenium, Dissolved (dissolved)	0.05	U
7440-22-4	Silver, Dissolved (dissolved)	0.05	U
7440-23-5	Sodium, Dissolved (dissolved)	0.10	U

ANALYSIS DATA SHEET

EQ Blank

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-09
Sampled:	11/30/23 13:50	Method:	EPA 200.7, Rev. 4.4(1994)
% Solids:	0.00	Dilution:	1

CAS NO.	Analyte	Concentration (mg/L)	Q
7440-28-0	Thallium, Dissolved (dissolved)	0.05	U
7440-62-2	Vanadium, Dissolved (dissolved)	0.05	U
7440-66-6	Zinc, Dissolved (dissolved)	0.05	U
7440-38-2	Arsenic	0.05	U
7440-39-3	Barium	0.05	U
7440-41-7	Beryllium	0.02	U
7440-43-9	Cadmium	0.01	U
7440-47-3	Chromium	0.05	U
7440-48-4	Cobalt	0.05	U
7440-50-8	Copper	0.05	U
7439-89-6	Iron	0.20	U
7439-92-1	Lead	0.05	U
7439-95-4	Magnesium	0.10	U
7439-96-5	Manganese	0.05	U
7440-02-0	Nickel	0.05	U
7440-09-7	Potassium	0.25	UC
7782-49-2	Selenium	0.05	U
7440-22-4	Silver	0.05	U
7440-23-5	Sodium	0.25	U
7440-28-0	Thallium	0.05	U
7440-62-2	Vanadium	0.05	U
7440-66-6	Zinc	0.05	U

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Long Island Analytical Laboratories, Inc.

Work Order: 3120104

Client: Ranco Sand & Stone Corporation

Matrix: Non-Potable Water

Instrument: ICP

Analyte	MDL	MRL	Units	Method
Aluminum	0.11	0.25	mg/L	EPA 200.7, Rev. 4.4(1994)
Aluminum, Dissolved (dissolved)	0.009	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Antimony	0.01	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Antimony, Dissolved (dissolved)	0.01	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Arsenic	0.01	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Arsenic, Dissolved (dissolved)	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Barium	0.009	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Barium, Dissolved (dissolved)	0.02	1.00	mg/L	EPA 200.7, Rev. 4.4(1994)
Beryllium	0.004	0.02	mg/L	EPA 200.7, Rev. 4.4(1994)
Beryllium, Dissolved (dissolved)	0.005	0.02	mg/L	EPA 200.7, Rev. 4.4(1994)
Cadmium	0.001	0.01	mg/L	EPA 200.7, Rev. 4.4(1994)
Cadmium, Dissolved (dissolved)	0.001	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Calcium	0.12	1.00	mg/L	EPA 200.7, Rev. 4.4(1994)
Calcium, Dissolved (dissolved)	0.05	0.10	mg/L	EPA 200.7, Rev. 4.4(1994)
Chromium	0.008	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Chromium, Dissolved (dissolved)	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Cobalt	0.007	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Cobalt, Dissolved (dissolved)	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Copper	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Copper, Dissolved (dissolved)	0.01	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Iron	0.18	0.20	mg/L	EPA 200.7, Rev. 4.4(1994)
Iron, Dissolved (dissolved)	0.08	0.20	mg/L	EPA 200.7, Rev. 4.4(1994)
Lead	0.006	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Lead, Dissolved (dissolved)	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Magnesium	0.04	0.10	mg/L	EPA 200.7, Rev. 4.4(1994)
Magnesium, Dissolved (dissolved)	0.01	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Manganese	0.03	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Manganese, Dissolved (dissolved)	0.005	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Nickel	0.008	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Nickel, Dissolved (dissolved)	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Potassium	0.08	0.25	mg/L	EPA 200.7, Rev. 4.4(1994)
Potassium, Dissolved (dissolved)	0.08	0.25	mg/L	EPA 200.7, Rev. 4.4(1994)
Selenium	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Long Island Analytical Laboratories, Inc.

Work Order: 3120104

Client: Ranco Sand & Stone Corporation

Matrix: Non-Potable Water

Instrument: ICP

Analyte	MDL	MRL	Units	Method
Selenium, Dissolved (dissolved)	0.008	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Silver	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Silver, Dissolved (dissolved)	0.001	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Sodium	0.04	0.25	mg/L	EPA 200.7, Rev. 4.4(1994)
Sodium, Dissolved (dissolved)	0.02	0.10	mg/L	EPA 200.7, Rev. 4.4(1994)
Thallium	0.01	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Thallium, Dissolved (dissolved)	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Vanadium	0.01	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Vanadium, Dissolved (dissolved)	0.01	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Zinc	0.03	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)
Zinc, Dissolved (dissolved)	0.02	0.05	mg/L	EPA 200.7, Rev. 4.4(1994)



METHOD DETECTION AND REPORTING LIMITS

Laboratory: Long Island Analytical Laboratories, Inc.

Work Order: 3120104

Client: Ranco Sand & Stone Corporation

Matrix: Non-Potable Water

Instrument: Inst

Analyte	MDL	MRL	Units	Method
Hexavalent Chromium	0.00906	0.100	mg/L	EPA 7196 A
Cyanide	0.007	0.02	mg/L	SM 4500-CN E-2011



METHOD DETECTION AND REPORTING LIMITS

Laboratory: Long Island Analytical Laboratories, Inc.

Work Order: 3120104

Client: Ranco Sand & Stone Corporation

Matrix: Non-Potable Water

Instrument: m-7600

Analyte	MDL	MRL	Units	Method
Mercury, Dissolved (dissolved)	0.000006	0.002	mg/L	EPA 245.1, Rev. 3.0(1994)

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 200.7, Rev. 4.4(1994)
Batch:	B349112	Preparation:	EPA 200.7, Rev. 4.4(1994)
% Solids:		Laboratory ID:	B349112-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Aluminum, Dissolved (dissolved)	8.00	0.0150	7.75	97	70 - 130
Antimony, Dissolved (dissolved)	2.00	ND	1.96	98	70 - 130
Arsenic, Dissolved (dissolved)	2.00	ND	1.94	97	70 - 130
Barium, Dissolved (dissolved)	2.00	0.0174	2.04	101	70 - 130
Beryllium, Dissolved (dissolved)	2.00	ND	1.93	96	70 - 130
Cadmium, Dissolved (dissolved)	2.00	ND	1.93	96	70 - 130
Calcium, Dissolved (dissolved)	20.0	4.25	24.0	99	70 - 130
Chromium, Dissolved (dissolved)	2.00	ND	1.91	95	70 - 130
Cobalt, Dissolved (dissolved)	2.00	ND	1.95	97	70 - 130
Copper, Dissolved (dissolved)	2.00	ND	1.91	95	70 - 130
Iron, Dissolved (dissolved)	8.00	ND	7.92	99	70 - 130
Lead, Dissolved (dissolved)	2.00	ND	1.88	94	70 - 130
Magnesium, Dissolved (dissolved)	20.0	1.08	20.0	95	70 - 130
Manganese, Dissolved (dissolved)	2.00	0.0183	1.98	98	70 - 130
Nickel, Dissolved (dissolved)	2.00	ND	1.98	99	70 - 130
Potassium, Dissolved (dissolved)	8.00	1.56	9.28	96	70 - 130
Selenium, Dissolved (dissolved)	2.00	0.0101	1.95	97	70 - 130
Silver, Dissolved (dissolved)	0.500	ND	0.494	99	70 - 130
Sodium, Dissolved (dissolved)	8.00	4.04	11.9	98	70 - 130
Thallium, Dissolved (dissolved)	2.00	ND	1.98	99	70 - 130
Vanadium, Dissolved (dissolved)	2.00	ND	1.94	97	70 - 130
Zinc, Dissolved (dissolved)	2.00	ND	2.04	102	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 200.7, Rev. 4.4(1994)
Batch:	B349112	Preparation:	EPA 200.7, Rev. 4.4(1994)
% Solids:		Laboratory ID:	B349112-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Aluminum, Dissolved (dissolved)	8.00	7.88	98	2	20	70 - 130
Antimony, Dissolved (dissolved)	2.00	2.00	100	2	20	70 - 130
Arsenic, Dissolved (dissolved)	2.00	1.97	99	2	20	70 - 130
Barium, Dissolved (dissolved)	2.00	2.07	103	2	20	70 - 130
Beryllium, Dissolved (dissolved)	2.00	1.96	98	2	20	70 - 130
Cadmium, Dissolved (dissolved)	2.00	1.96	98	2	20	70 - 130
Calcium, Dissolved (dissolved)	20.0	24.7	102	3	20	70 - 130
Chromium, Dissolved (dissolved)	2.00	1.94	97	2	20	70 - 130
Cobalt, Dissolved (dissolved)	2.00	1.98	99	2	20	70 - 130
Copper, Dissolved (dissolved)	2.00	1.94	97	2	20	70 - 130
Iron, Dissolved (dissolved)	8.00	8.05	101	2	20	70 - 130
Lead, Dissolved (dissolved)	2.00	1.92	96	2	20	70 - 130
Magnesium, Dissolved (dissolved)	20.0	20.4	97	2	20	70 - 130
Manganese, Dissolved (dissolved)	2.00	2.02	100	2	20	70 - 130
Nickel, Dissolved (dissolved)	2.00	2.02	101	2	20	70 - 130
Potassium, Dissolved (dissolved)	8.00	9.59	100	3	20	70 - 130
Selenium, Dissolved (dissolved)	2.00	1.98	99	2	20	70 - 130
Silver, Dissolved (dissolved)	0.500	0.502	100	2	20	70 - 130
Sodium, Dissolved (dissolved)	8.00	12.5	105	5	20	70 - 130
Thallium, Dissolved (dissolved)	2.00	2.03	101	2	20	70 - 130
Vanadium, Dissolved (dissolved)	2.00	1.98	99	2	20	70 - 130
Zinc, Dissolved (dissolved)	2.00	2.07	104	2	20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 200.7, Rev. 4.4(1994)
Batch:	B349113	Preparation:	EPA 200.7, Rev. 4.4(1994)
% Solids:		Laboratory ID:	B349113-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Aluminum	8.00	ND	7.87	98	70 - 130
Calcium	20.0	3.98	24.4	102	70 - 130
Antimony	2.00	ND	1.98	99	70 - 130
Arsenic	2.00	ND	1.96	98	70 - 130
Barium	2.00	0.0166	2.07	102	70 - 130
Beryllium	2.00	ND	1.95	98	70 - 130
Cadmium	2.00	ND	1.94	97	70 - 130
Chromium	2.00	ND	1.93	97	70 - 130
Cobalt	2.00	ND	1.97	98	70 - 130
Copper	2.00	ND	1.93	97	70 - 130
Iron	8.00	ND	8.12	101	70 - 130
Lead	2.00	ND	1.90	95	70 - 130
Magnesium	20.0	1.04	20.3	96	70 - 130
Manganese	2.00	ND	2.00	100	70 - 130
Nickel	2.00	ND	2.00	100	70 - 130
Potassium	8.00	1.46	9.47	100	70 - 130
Selenium	2.00	ND	2.0	100	70 - 130
Silver	0.500	ND	0.501	100	70 - 130
Sodium	8.00	3.75	12.2	105	70 - 130
Thallium	2.00	ND	2.02	101	70 - 130
Vanadium	2.00	ND	1.97	98	70 - 130
Zinc	2.00	ND	2.07	104	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 200.7, Rev. 4.4(1994)
Batch:	B349113	Preparation:	EPA 200.7, Rev. 4.4(1994)
% Solids:		Laboratory ID:	B349113-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Aluminum	8.00	7.89	99	0.2	20	70 - 130
Calcium	20.0	24.2	101	0.7	20	70 - 130
Antimony	2.00	1.99	100	0.5	20	70 - 130
Arsenic	2.00	1.97	98	0.5	20	70 - 130
Barium	2.00	2.07	103	0.3	20	70 - 130
Beryllium	2.00	1.96	98	0.4	20	70 - 130
Cadmium	2.00	1.95	97	0.2	20	70 - 130
Chromium	2.00	1.93	97	0.09	20	70 - 130
Cobalt	2.00	1.97	98	0.03	20	70 - 130
Copper	2.00	1.94	97	0.3	20	70 - 130
Iron	8.00	8.11	101	0.1	20	70 - 130
Lead	2.00	1.91	95	0.2	20	70 - 130
Magnesium	20.0	20.3	96	0.1	20	70 - 130
Manganese	2.00	2.01	100	0.2	20	70 - 130
Nickel	2.00	2.01	101	0.5	20	70 - 130
Potassium	8.00	9.45	100	0.3	20	70 - 130
Selenium	2.00	2.0	100	0.1	20	70 - 130
Silver	0.500	0.502	100	0.3	20	70 - 130
Sodium	8.00	12.0	103	1	20	70 - 130
Thallium	2.00	2.03	101	0.1	20	70 - 130
Vanadium	2.00	1.97	99	0.1	20	70 - 130
Zinc	2.00	2.08	104	0.4	20	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 200.7, Rev. 4.4(1994)

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 200.7, Rev. 4.4(1994)
Batch:	B349112	Laboratory ID:	B349112-BS1
Column:		Initial/Final:	25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Aluminum, Dissolved (dissolved)	8.00	7.08	88	85 - 115
Antimony, Dissolved (dissolved)	2.00	1.79	90	85 - 115
Arsenic, Dissolved (dissolved)	2.00	1.77	89	85 - 115
Barium, Dissolved (dissolved)	2.00	1.83	92	85 - 115
Beryllium, Dissolved (dissolved)	2.00	1.76	88	85 - 115
Cadmium, Dissolved (dissolved)	2.00	1.77	88	85 - 115
Calcium, Dissolved (dissolved)	20.0	18.2	91	85 - 115
Chromium, Dissolved (dissolved)	2.00	1.74	87	85 - 115
Cobalt, Dissolved (dissolved)	2.00	1.77	89	85 - 115
Copper, Dissolved (dissolved)	2.00	1.74	87	85 - 115
Iron, Dissolved (dissolved)	8.00	7.21	90	85 - 115
Lead, Dissolved (dissolved)	2.00	1.72	86	85 - 115
Magnesium, Dissolved (dissolved)	20.0	17.3	87	85 - 115
Manganese, Dissolved (dissolved)	2.00	1.79	90	85 - 115
Nickel, Dissolved (dissolved)	2.00	1.81	91	85 - 115
Potassium, Dissolved (dissolved)	8.00	7.14	89	85 - 115
Selenium, Dissolved (dissolved)	2.00	1.82	91	85 - 115
Silver, Dissolved (dissolved)	0.500	0.452	90	85 - 115
Sodium, Dissolved (dissolved)	8.00	7.05	88	85 - 115
Thallium, Dissolved (dissolved)	2.00	1.82	91	85 - 115
Vanadium, Dissolved (dissolved)	2.00	1.77	88	85 - 115
Zinc, Dissolved (dissolved)	2.00	1.86	93	85 - 115

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 200.7, Rev. 4.4(1994)

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 200.7, Rev. 4.4(1994)
Batch:	B349113	Laboratory ID:	B349113-BS1
Column:		Initial/Final:	25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Aluminum	8.00	7.81	98	85 - 115
Calcium	20.0	20.1	101	85 - 115
Antimony	2.00	1.98	99	85 - 115
Arsenic	2.00	1.97	99	85 - 115
Barium	2.00	2.03	102	85 - 115
Beryllium	2.00	1.96	98	85 - 115
Cadmium	2.00	1.95	98	85 - 115
Chromium	2.00	1.92	96	85 - 115
Cobalt	2.00	1.96	98	85 - 115
Copper	2.00	1.92	96	85 - 115
Iron	8.00	7.96	99	85 - 115
Lead	2.00	1.90	95	85 - 115
Magnesium	20.0	19.2	96	85 - 115
Manganese	2.00	1.97	99	85 - 115
Nickel	2.00	2.01	100	85 - 115
Potassium	8.00	7.83	98	85 - 115
Selenium	2.00	2.0	102	85 - 115
Silver	0.500	0.501	100	85 - 115
Sodium	8.00	7.74	97	85 - 115
Thallium	2.00	2.02	101	85 - 115
Vanadium	2.00	1.96	98	85 - 115
Zinc	2.00	2.08	104	85 - 115

PREPARATION BATCH SUMMARY

EPA 200.7, Rev. 4.4(1994)

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Batch: B349112 Batch Matrix: Non-Potable Water Preparation: EPA 200.7, Rev. 4.4(1994)

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-3A	3120104-01	12/06/23 09:53	25.00	25.00
MW-6AR	3120104-04	12/06/23 09:53	25.00	25.00
MW-7A	3120104-05	12/06/23 09:53	25.00	25.00
MW-7B	3120104-06	12/06/23 09:53	25.00	25.00
MW-7C	3120104-07	12/06/23 09:53	25.00	25.00
DUP	3120104-08	12/06/23 09:53	25.00	25.00
EQ Blank	3120104-09	12/06/23 09:53	25.00	25.00
Blank	B349112-BLK1	12/06/23 09:53	25.00	25.00
LCS	B349112-BS1	12/06/23 09:53	25.00	25.00
MW-3A	B349112-MS1	12/06/23 09:53	25.00	25.00
MW-3A	B349112-MSD1	12/06/23 09:53	25.00	25.00
Reference	B349112-SRM1	12/06/23 09:53	25.00	50.00

PREPARATION BATCH SUMMARY

EPA 200.7, Rev. 4.4(1994)

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Batch: B349113 Batch Matrix: Non-Potable Water Preparation: EPA 200.7, Rev. 4.4(1994)

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-3A	3120104-01	12/06/23 09:58	25.00	25.00
MW-6AR	3120104-04	12/06/23 09:58	25.00	25.00
MW-7A	3120104-05	12/06/23 09:58	25.00	25.00
MW-7B	3120104-06	12/06/23 09:58	25.00	25.00
MW-7C	3120104-07	12/06/23 09:58	25.00	25.00
DUP	3120104-08	12/06/23 09:58	25.00	25.00
EQ Blank	3120104-09	12/06/23 09:58	25.00	25.00
Blank	B349113-BLK1	12/06/23 09:58	25.00	25.00
LCS	B349113-BS1	12/06/23 09:58	25.00	25.00
MW-3A	B349113-MS1	12/06/23 09:58	25.00	25.00
MW-3A	B349113-MSD1	12/06/23 09:58	25.00	25.00
Reference	B349113-SRM1	12/06/23 09:58	25.00	50.00



PREPARATION BATCH SUMMARY

EPA 245.1, Rev. 3.0(1994)

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Batch: B349116 Batch Matrix: Non-Potable Water Preparation: EPA 245.1 Filtered

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-3A	3120104-01	12/06/23 14:24	25.00	25.00
MW-6AR	3120104-04	12/06/23 14:24	25.00	25.00
MW-7A	3120104-05	12/06/23 14:24	25.00	25.00
MW-7B	3120104-06	12/06/23 14:24	25.00	25.00
MW-7C	3120104-07	12/06/23 14:24	25.00	25.00
DUP	3120104-08	12/06/23 14:24	25.00	25.00
EQ Blank	3120104-09	12/06/23 14:24	25.00	25.00
Blank	B349116-BLK1	12/06/23 14:24	25.00	25.00
LCS	B349116-BS1	12/06/23 14:24	25.00	25.00
MW-3A	B349116-MS1	12/06/23 14:24	25.00	25.00
MW-3A	B349116-MSD1	12/06/23 14:24	25.00	25.00

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349112-BLK1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349112-BLK1	12/7/2023 12:52:38 PM	1:16	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	-0.000095 u	ppm	0.000062	65.23	4.496670	-0.000095 u
Al (237.312 nm)	0.000976 u	ppm	0.002069	> 100.00	4.044540	0.000976 u
As (193.696 nm)	-0.000511 u	ppm	0.003564	> 100.00	1.920705	-0.000511 u
Ba (493.408 nm)	0.000150	ppm	0.000020	13.52	461.105262	0.000150
Be (313.042 nm)	-0.000165 u	ppm	0.000003	1.81	-26.076602	-0.000165 u
Ca (317.933 nm)	0.002817	ppm	0.000650	23.07	5330.217001	0.002817
Cd (214.439 nm)	-0.000321 u	ppm	0.000145	45.21	-0.225957	-0.000321 u
Co (230.786 nm)	0.000071 u	ppm	0.000678	> 100.00	5.645846	0.000071 u
Cr (267.716 nm)	-0.000258 u	ppm	0.000128	49.65	2.082350	-0.000258 u
Cu (327.395 nm)	-0.000025 u	ppm	0.000376	> 100.00	13.645624	-0.000025 u
Fe (238.204 nm)	0.003029	ppm	0.000125	4.12	55.362793	0.003029
K (766.491 nm)	-0.000182 u	ppm	0.000933	> 100.00	108.124566	-0.000182 u
Mg (279.800 nm)	-0.000532 u	ppm	0.001265	> 100.00	5.008600	-0.000532 u
Mn (257.610 nm)	0.000557	ppm	0.000034	6.19	86.658787	0.000557
Mo (202.032 nm)	-0.000924 u	ppm	0.000538	58.26	2.177017	-0.000924 u
Na (589.592 nm)	0.013303	ppm	0.000590	4.44	4415.718110	0.013303
Ni (231.604 nm)	0.000281 u	ppm	0.000797	> 100.00	1.306001	0.000281 u
Pb (220.353 nm)	-0.001804 u	ppm	0.001943	> 100.00	4.695405	-0.001804 u
Sb (217.582 nm)	0.005583	ppm	0.003112	55.74	3.954748	0.005583
Se (196.026 nm)	0.005166 u	ppm	0.007031	> 100.00	5.044510	0.005166 u
Tl (351.923 nm)	0.006398	ppm	0.002952	46.15	3.743959	0.006398
V (292.401 nm)	-0.000311 u	ppm	0.000507	> 100.00	39.975172	-0.000311 u
Zn (213.857 nm)	0.000731	ppm	0.000222	30.42	24.439594	0.000731

Test Report

120723_metals esws



Agilent Technologies

Solution Name: B349112-BS1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349112-BS1	12/7/2023 12:55:51 PM	1:17	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.451817	ppm	0.000402	0.09	8934.411324	0.451817
Al (237.312 nm)	7.079121	ppm	0.006248	0.09	7833.954219	7.079121
As (193.696 nm)	1.772651	ppm	0.008653	0.49	677.448171	1.772651
Ba (493.408 nm)	1.832921	ppm	0.004793	0.26	1371062.105505	1.832921
Be (313.042 nm)	1.763651	ppm	0.001167	0.07	1544597.171270	1.763651
Ca (317.933 nm)	18.199641	ppm	0.037281	0.20	295433.643982	18.199641
Cd (214.439 nm)	1.769053	ppm	0.004249	0.24	12093.352352	1.769053
Co (230.786 nm)	1.774903	ppm	0.003325	0.19	6976.410201	1.774903
Cr (267.716 nm)	1.741921	ppm	0.001764	0.10	24128.341194	1.741921
Cu (327.395 nm)	1.741488	ppm	0.002162	0.12	27996.832771	1.741488
Fe (238.204 nm)	7.206189	ppm	0.029196	0.41	99436.554466	7.206189
K (766.491 nm)	7.136257	ppm	0.017688	0.25	227969.985086	7.136257
Mg (279.800 nm)	17.310400	ppm	0.023534	0.14	13061.794012	17.310400
Mn (257.610 nm)	1.791216	ppm	0.002629	0.15	226174.452453	1.791216
Mo (202.032 nm)	1.754270	ppm	0.005822	0.33	4210.630198	1.754270
Na (589.592 nm)	7.050025	ppm	0.014182	0.20	1077583.139853	7.050025
Ni (231.604 nm)	1.812851	ppm	0.004494	0.25	2131.713300	1.812851
Pb (220.353 nm)	1.723914	ppm	0.006309	0.37	1602.712021	1.723914
Sb (217.582 nm)	1.792063	ppm	0.010903	0.61	573.257441	1.792063
Se (196.026 nm)	1.815903	ppm	0.010447	0.58	593.417164	1.815903
Tl (351.923 nm)	1.820259	ppm	0.006282	0.35	1243.782588	1.820259
V (292.401 nm)	1.768665	ppm	0.001677	0.09	23368.349132	1.768665
Zn (213.857 nm)	1.862462	ppm	0.002059	0.11	21713.286590	1.862462

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349112-SRM1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349112-SRM1	12/7/2023 12:59:04 PM	1:18	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.021944	ppm	0.000410	1.87	439.997166	0.021944
Al (237.312 nm)	0.347708	ppm	0.006419	1.85	387.602191	0.347708
As (193.696 nm)	0.084108	ppm	0.001400	1.67	34.158464	0.084108
Ba (493.408 nm)	0.090381	ppm	0.000594	0.66	67938.678907	0.090381
Be (313.042 nm)	0.086640	ppm	0.000585	0.68	75991.504243	0.086640
Ca (317.933 nm)	0.896467	ppm	0.006414	0.72	19577.252478	0.896467
Cd (214.439 nm)	0.089089	ppm	0.000495	0.56	610.891231	0.089089
Co (230.786 nm)	0.087705	ppm	0.000446	0.51	349.834877	0.087705
Cr (267.716 nm)	0.086657	ppm	0.000382	0.44	1205.715993	0.086657
Cu (327.395 nm)	0.083625	ppm	0.000248	0.30	1357.773164	0.083625
Fe (238.204 nm)	0.360004	ppm	0.002019	0.56	4980.510414	0.360004
K (766.491 nm)	0.342668	ppm	0.001668	0.49	11055.105170	0.342668
Mg (279.800 nm)	0.845022	ppm	0.007503	0.89	642.768540	0.845022
Mn (257.610 nm)	0.088644	ppm	0.000623	0.70	11208.547394	0.088644
Mo (202.032 nm)	0.085139	ppm	0.000585	0.69	208.530293	0.085139
Na (589.592 nm)	0.323780	ppm	0.002136	0.66	51766.403611	0.323780
Ni (231.604 nm)	0.089487	ppm	0.001714	1.92	106.154685	0.089487
Pb (220.353 nm)	0.083161	ppm	0.002400	2.89	83.373640	0.083161
Sb (217.582 nm)	0.087662	ppm	0.007236	8.25	30.110944	0.087662
Se (196.026 nm)	0.099372	ppm	0.004496	4.52	35.655328	0.099372
Tl (351.923 nm)	0.089535	ppm	0.008528	9.53	60.580488	0.089535
V (292.401 nm)	0.086593	ppm	0.000359	0.41	1186.019269	0.086593
Zn (213.857 nm)	0.095246	ppm	0.000406	0.43	1125.518806	0.095246

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120101-06

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120101-06	12/7/2023 1:02:17 PM	1:19	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	-0.000085 u	ppm	0.000048	56.23	4.694921	-0.000085 u
Al (237.312 nm)	0.002284 u	ppm	0.003173	> 100.00	5.491644	0.002284 u
As (193.696 nm)	0.002161 u	ppm	0.003265	> 100.00	2.938782	0.002161 u
Ba (493.408 nm)	0.021704	ppm	0.000051	0.23	16579.849102	0.021704
Be (313.042 nm)	-0.000044 u	ppm	0.000004	9.35	80.286129	-0.000044 u
Ca (317.933 nm)	12.892525	ppm	0.030320	0.24	210824.791582	12.892525
Cd (214.439 nm)	0.000010 u	ppm	0.000380	> 100.00	2.038050	0.000010 u
Co (230.786 nm)	0.004753	ppm	0.000270	5.68	24.035381	0.004753
Cr (267.716 nm)	0.000886	ppm	0.000182	20.57	17.932852	0.000886
Cu (327.395 nm)	0.000324	ppm	0.000325	> 100.00	19.255708	0.000324
Fe (238.204 nm)	0.179631	ppm	0.000254	0.14	2491.922934	0.179631
K (766.491 nm)	1.105137	ppm	0.002130	0.19	35400.242762	1.105137
Mg (279.800 nm)	5.211054	ppm	0.015926	0.31	3935.851758	5.211054
Mn (257.610 nm)	0.020769	ppm	0.000040	0.19	2638.692294	0.020769
Mo (202.032 nm)	0.000670	ppm	0.000650	96.95	5.998803	0.000670
Na (589.592 nm)	11.382044	ppm	0.021130	0.19	1738257.494863	11.382044
Ni (231.604 nm)	0.002120	ppm	0.000842	39.72	3.467386	0.002120
Pb (220.353 nm)	-0.002521 u	ppm	0.002487	98.63	4.031150	-0.002521 u
Sb (217.582 nm)	0.002385 u	ppm	0.006616	> 100.00	2.935480	0.002385 u
Se (196.026 nm)	0.004779	ppm	0.002414	50.51	4.918889	0.004779
Tl (351.923 nm)	0.003602	ppm	0.001041	28.90	1.832668	0.003602
V (292.401 nm)	-0.000167 u	ppm	0.000331	> 100.00	41.870043	-0.000167 u
Zn (213.857 nm)	0.015291	ppm	0.000310	2.03	194.054964	0.015291

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120101-08

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120101-08	12/7/2023 1:05:30 PM	1:20	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	-0.000031 u	ppm	0.000104	> 100.00	5.749516	-0.000031 u
Al (237.312 nm)	0.009424	ppm	0.005570	59.10	13.389688	0.009424
As (193.696 nm)	0.000099 u	ppm	0.001893	> 100.00	2.153255	0.000099 u
Ba (493.408 nm)	0.000183	ppm	0.000012	6.45	486.161047	0.000183
Be (313.042 nm)	-0.000150 u	ppm	0.000003	2.05	-13.178244	-0.000150 u
Ca (317.933 nm)	0.011697	ppm	0.000689	5.89	5471.781539	0.011697
Cd (214.439 nm)	0.000001 u	ppm	0.000181	> 100.00	1.976428	0.000001 u
Co (230.786 nm)	-0.000141 u	ppm	0.000310	> 100.00	4.813715	-0.000141 u
Cr (267.716 nm)	0.001613	ppm	0.000286	17.73	28.001051	0.001613
Cu (327.395 nm)	0.000877	ppm	0.000094	10.67	28.139385	0.000877
Fe (238.204 nm)	0.014572	ppm	0.000202	1.39	214.612471	0.014572
K (766.491 nm)	0.036255	ppm	0.000430	1.18	1271.558363	0.036255
Mg (279.800 nm)	0.000956 u	ppm	0.004069	> 100.00	6.130934	0.000956 u
Mn (257.610 nm)	0.002289	ppm	0.000040	1.74	305.318675	0.002289
Mo (202.032 nm)	0.000052 u	ppm	0.000187	> 100.00	4.515203	0.000052 u
Na (589.592 nm)	0.147744	ppm	0.000575	0.39	24919.185359	0.147744
Ni (231.604 nm)	-0.000301 u	ppm	0.000287	95.41	0.622703	-0.000301 u
Pb (220.353 nm)	-0.000968 u	ppm	0.001043	> 100.00	5.469315	-0.000968 u
Sb (217.582 nm)	0.005889	ppm	0.001596	27.09	4.052274	0.005889
Se (196.026 nm)	0.005365	ppm	0.005862	> 100.00	5.109291	0.005365
Tl (351.923 nm)	0.006696 u	ppm	0.005426	81.03	3.948234	0.006696 u
V (292.401 nm)	-0.000103 u	ppm	0.000336	> 100.00	42.716259	-0.000103 u
Zn (213.857 nm)	0.005645	ppm	0.000097	1.72	81.679559	0.005645

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: SEQ-CCV1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
SEQ-CCV1	12/7/2023 1:22:59 PM	S1:5	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.500381 !	ppm	0.004288	0.86	9894.045103 !	0.500381 !
Al (237.312 nm)	10.006495 !	ppm	0.108511	1.08	11072.243758 !	10.006495 !
As (193.696 nm)	5.012225 !	ppm	0.035166	0.70	1911.638655 !	5.012225 !
Ba (493.408 nm)	5.216556 !	ppm	0.054028	1.04	3901445.338518 !	5.216556 !
Be (313.042 nm)	2.061303 !	ppm	0.017945	0.87	1805258.697046 !	2.061303 !
Ca (317.933 nm)	51.209690 !	ppm	0.372316	0.73	821697.376567 !	51.209690 !
Cd (214.439 nm)	2.473834 !	ppm	0.018560	0.75	16910.493314 !	2.473834 !
Co (230.786 nm)	4.993042 !	ppm	0.036039	0.72	19615.858883 !	4.993042 !
Cr (267.716 nm)	4.964441 !	ppm	0.041302	0.83	68754.836194 !	4.964441 !
Cu (327.395 nm)	5.090160 !	ppm	0.032925	0.65	81804.330014 !	5.090160 !
Fe (238.204 nm)	10.252629 !	ppm	0.086839	0.85	141467.944472 !	10.252629 !
K (766.491 nm)	24.262550 !	ppm	0.237470	0.98	774801.340811 !	24.262550 !
Mg (279.800 nm)	49.667488 !	ppm	0.406490	0.82	37467.155793 !	49.667488 !
Mn (257.610 nm)	5.070722 !	ppm	0.040038	0.79	640243.412066 !	5.070722 !
Mo (202.032 nm)	5.127154 !	ppm	0.040581	0.79	12297.843047 !	5.127154 !
Na (589.592 nm)	49.617004 !	ppm	0.341358	0.69	7569454.628808 !	49.617004 !
Ni (231.604 nm)	5.090443 !	ppm	0.037493	0.74	5984.037114 !	5.090443 !
Pb (220.353 nm)	4.872410 !	ppm	0.029126	0.60	4518.222623 !	4.872410 !
Sb (217.582 nm)	5.009992 !	ppm	0.050877	1.02	1598.724211 !	5.009992 !
Se (196.026 nm)	4.935586 !	ppm	0.049542	1.00	1607.112759 !	4.935586 !
Tl (351.923 nm)	5.141387 !	ppm	0.038310	0.75	3514.257137 !	5.141387 !
V (292.401 nm)	5.088611 !	ppm	0.040769	0.80	67150.144772 !	5.088611 !
Zn (213.857 nm)	5.206426 !	ppm	0.041064	0.79	60669.883218 !	5.206426 !

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: SEQ-CCB1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
SEQ-CCB1	12/7/2023 1:26:12 PM	S1:4	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000197	ppm	0.000147	74.78	10.259740	0.000197
Al (237.312 nm)	0.002742	ppm	0.001283	46.79	5.997300	0.002742
As (193.696 nm)	0.003035 u	ppm	0.003259	> 100.00	3.271782	0.003035 u
Ba (493.408 nm)	0.000648	ppm	0.000012	1.80	833.515108	0.000648
Be (313.042 nm)	0.000221	ppm	0.000014	6.13	312.410010	0.000221
Ca (317.933 nm)	-0.004798 u	ppm	0.000471	9.82	5208.808263	-0.004798 u
Cd (214.439 nm)	0.000213	ppm	0.000139	65.52	3.423119	0.000213
Co (230.786 nm)	0.000631 u	ppm	0.000819	> 100.00	7.845664	0.000631 u
Cr (267.716 nm)	0.000114 u	ppm	0.000235	> 100.00	7.245354	0.000114 u
Cu (327.395 nm)	0.000379	ppm	0.000288	76.08	20.147587	0.000379
Fe (238.204 nm)	0.001186	ppm	0.000346	29.16	29.933984	0.001186
K (766.491 nm)	0.005764	ppm	0.000875	15.18	297.991055	0.005764
Mg (279.800 nm)	0.006902	ppm	0.001394	20.20	10.616109	0.006902
Mn (257.610 nm)	0.000640	ppm	0.000035	5.44	97.203014	0.000640
Mo (202.032 nm)	0.000444 u	ppm	0.000748	> 100.00	5.456308	0.000444 u
Na (589.592 nm)	0.003728	ppm	0.000214	5.73	2955.418356	0.003728
Ni (231.604 nm)	0.001328	ppm	0.001695	> 100.00	2.536610	0.001328
Pb (220.353 nm)	-0.003326 u	ppm	0.001099	33.05	3.285965	-0.003326 u
Sb (217.582 nm)	0.003690 u	ppm	0.005820	> 100.00	3.351334	0.003690 u
Se (196.026 nm)	0.004264	ppm	0.003992	93.62	4.751453	0.004264
Tl (351.923 nm)	0.007211	ppm	0.002858	39.63	4.300215	0.007211
V (292.401 nm)	0.000615	ppm	0.000351	57.09	52.181124	0.000615
Zn (213.857 nm)	0.001023	ppm	0.000110	10.71	27.833521	0.001023

Test Report

120723_metals esws



Agilent Technologies

Solution Name: 3120101-09

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120101-09	12/7/2023 1:29:25 PM	1:21	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000017 u	ppm	0.000114	> 100.00	6.695053	0.000017 u
Al (237.312 nm)	0.002476	ppm	0.000937	37.85	5.703714	0.002476
As (193.696 nm)	0.003762 u	ppm	0.003192	84.85	3.548874	0.003762 u
Ba (493.408 nm)	0.000202	ppm	0.000028	13.85	500.491735	0.000202
Be (313.042 nm)	-0.000007 u	ppm	0.000002	29.94	112.233910	-0.000007 u
Ca (317.933 nm)	0.013217	ppm	0.000565	4.27	5496.017361	0.013217
Cd (214.439 nm)	-0.000256 u	ppm	0.000199	77.81	0.221541	-0.000256 u
Co (230.786 nm)	-0.000050 u	ppm	0.000443	> 100.00	5.168992	-0.000050 u
Cr (267.716 nm)	0.000845	ppm	0.000331	39.13	17.368820	0.000845
Cu (327.395 nm)	0.010815	ppm	0.000087	0.80	187.825849	0.010815
Fe (238.204 nm)	0.012076	ppm	0.000078	0.64	180.187760	0.012076
K (766.491 nm)	0.070972	ppm	0.001098	1.55	2380.036729	0.070972
Mg (279.800 nm)	0.001792	ppm	0.000978	54.58	6.761799	0.001792
Mn (257.610 nm)	0.003694	ppm	0.000048	1.31	482.770804	0.003694
Mo (202.032 nm)	0.000322 u	ppm	0.001109	> 100.00	5.163728	0.000322 u
Na (589.592 nm)	0.154934	ppm	0.000559	0.36	26015.704221	0.154934
Ni (231.604 nm)	0.000652 u	ppm	0.001087	> 100.00	1.742821	0.000652 u
Pb (220.353 nm)	-0.002081 u	ppm	0.001013	48.66	4.438986	-0.002081 u
Sb (217.582 nm)	0.006294	ppm	0.005336	84.77	4.181416	0.006294
Se (196.026 nm)	0.010895	ppm	0.003171	29.10	6.906065	0.010895
Tl (351.923 nm)	0.002255 u	ppm	0.005364	> 100.00	0.911739	0.002255 u
V (292.401 nm)	0.000090 u	ppm	0.000229	> 100.00	45.262296	0.000090 u
Zn (213.857 nm)	0.011900	ppm	0.000060	0.51	154.549246	0.011900

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-01

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-01	12/7/2023 1:32:39 PM	1:22	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000095	ppm	0.000072	75.41	8.252982	0.000095
Al (237.312 nm)	0.015032	ppm	0.002393	15.92	19.592841	0.015032
As (193.696 nm)	0.008754	ppm	0.003337	38.12	5.450625	0.008754
Ba (493.408 nm)	0.017423	ppm	0.000006	0.03	13378.277591	0.017423
Be (313.042 nm)	0.000008 u	ppm	0.000009	> 100.00	125.421422	0.000008 u
Ca (317.933 nm)	4.247344	ppm	0.017266	0.41	72998.724716	4.247344
Cd (214.439 nm)	0.000110	ppm	0.000041	37.55	2.720598	0.000110
Co (230.786 nm)	0.000192 u	ppm	0.000490	> 100.00	6.120964	0.000192 u
Cr (267.716 nm)	0.000886	ppm	0.000301	33.97	17.929817	0.000886
Cu (327.395 nm)	0.000179	ppm	0.000111	61.89	16.928278	0.000179
Fe (238.204 nm)	0.028242	ppm	0.000368	1.30	403.225092	0.028242
K (766.491 nm)	1.563711	ppm	0.004460	0.29	50042.218224	1.563711
Mg (279.800 nm)	1.081589	ppm	0.001661	0.15	821.199587	1.081589
Mn (257.610 nm)	0.018331	ppm	0.000073	0.40	2330.780106	0.018331
Mo (202.032 nm)	0.000970	ppm	0.000528	54.41	6.717060	0.000970
Na (589.592 nm)	4.036653	ppm	0.018447	0.46	618015.008487	4.036653
Ni (231.604 nm)	0.000315 u	ppm	0.000660	> 100.00	1.345932	0.000315 u
Pb (220.353 nm)	-0.002756 u	ppm	0.001629	59.13	3.814289	-0.002756 u
Sb (217.582 nm)	0.002833 u	ppm	0.003324	> 100.00	3.078463	0.002833 u
Se (196.026 nm)	0.010143	ppm	0.001011	9.96	6.661694	0.010143
Tl (351.923 nm)	-0.001124 u	ppm	0.003198	> 100.00	-1.398390	-0.001124 u
V (292.401 nm)	0.000131 u	ppm	0.000357	> 100.00	45.807424	0.000131 u
Zn (213.857 nm)	0.004002	ppm	0.000121	3.02	62.537618	0.004002

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-04

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-04	12/7/2023 1:35:52 PM	1:23	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000037 u	ppm	0.000073	> 100.00	7.102324	0.000037 u
Al (237.312 nm)	-0.000985 u	ppm	0.003132	> 100.00	1.874612	-0.000985 u
As (193.696 nm)	0.003328 u	ppm	0.004934	> 100.00	3.383274	0.003328 u
Ba (493.408 nm)	0.020287	ppm	0.000030	0.15	15520.729635	0.020287
Be (313.042 nm)	-0.003069 u	ppm	0.000021	0.70	-2569.437206	-0.003069 u
Ca (317.933 nm)	24.925849	ppm	0.061638	0.25	402666.431783	24.925849
Cd (214.439 nm)	0.000312 u	ppm	0.000315	> 100.00	4.101684	0.000312 u
Co (230.786 nm)	0.001263 u	ppm	0.000898	71.11	10.328853	0.001263 u
Cr (267.716 nm)	0.000591	ppm	0.000213	36.01	13.840352	0.000591
Cu (327.395 nm)	-0.000116 u	ppm	0.000116	> 100.00	12.188456	-0.000116 u
Fe (238.204 nm)	0.041262	ppm	0.000375	0.91	582.857610	0.041262
K (766.491 nm)	2.986151	ppm	0.007424	0.25	95459.786856	2.986151
Mg (279.800 nm)	5.155762	ppm	0.009545	0.19	3894.147819	5.155762
Mn (257.610 nm)	5.098601	ppm	0.012987	0.25	643763.380527	5.098601
Mo (202.032 nm)	0.001308 u	ppm	0.001754	> 100.00	7.528672	0.001308 u
Na (589.592 nm)	11.536252	ppm	0.041857	0.36	1761775.689130	11.536252
Ni (231.604 nm)	-0.000785 u	ppm	0.001394	> 100.00	0.053824	-0.000785 u
Pb (220.353 nm)	-0.000324 u	ppm	0.001579	> 100.00	6.065729	-0.000324 u
Sb (217.582 nm)	0.001097 u	ppm	0.007449	> 100.00	2.525217	0.001097 u
Se (196.026 nm)	0.011391	ppm	0.004645	40.78	7.067120	0.011391
Tl (351.923 nm)	0.005707	ppm	0.004789	83.91	3.271931	0.005707
V (292.401 nm)	0.000727	ppm	0.000334	45.91	53.663410	0.000727
Zn (213.857 nm)	0.002658	ppm	0.000235	8.83	46.888903	0.002658

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-05

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-05	12/7/2023 1:39:06 PM	1:24	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000056 u	ppm	0.000140	> 100.00	7.482459	0.000056 u
Al (237.312 nm)	0.002107 u	ppm	0.003351	> 100.00	5.295292	0.002107 u
As (193.696 nm)	0.006073	ppm	0.004620	76.07	4.429219	0.006073
Ba (493.408 nm)	0.021410	ppm	0.000100	0.47	16360.343450	0.021410
Be (313.042 nm)	-0.000039 u	ppm	0.000004	11.12	84.465772	-0.000039 u
Ca (317.933 nm)	21.238522	ppm	0.086777	0.41	343881.103562	21.238522
Cd (214.439 nm)	0.000138 u	ppm	0.000113	81.71	2.912422	0.000138 u
Co (230.786 nm)	0.001082	ppm	0.000493	45.59	9.618477	0.001082
Cr (267.716 nm)	0.000801	ppm	0.000381	47.61	16.751562	0.000801
Cu (327.395 nm)	0.000261 u	ppm	0.000525	> 100.00	18.252385	0.000261 u
Fe (238.204 nm)	0.009836	ppm	0.000546	5.55	149.276613	0.009836
K (766.491 nm)	2.034665	ppm	0.003853	0.19	65079.463071	2.034665
Mg (279.800 nm)	7.315287	ppm	0.029887	0.41	5522.971422	7.315287
Mn (257.610 nm)	0.093723	ppm	0.000805	0.86	11849.738027	0.093723
Mo (202.032 nm)	0.000882 u	ppm	0.000989	> 100.00	6.506809	0.000882 u
Na (589.592 nm)	9.870738	ppm	0.029676	0.30	1507768.784348	9.870738
Ni (231.604 nm)	0.000434 u	ppm	0.000967	> 100.00	1.485830	0.000434 u
Pb (220.353 nm)	-0.000573 u	ppm	0.001534	> 100.00	5.835732	-0.000573 u
Sb (217.582 nm)	0.002548 u	ppm	0.006750	> 100.00	2.987529	0.002548 u
Se (196.026 nm)	0.005999	ppm	0.003082	51.38	5.315103	0.005999
Tl (351.923 nm)	0.001325 u	ppm	0.004798	> 100.00	0.276162	0.001325 u
V (292.401 nm)	0.000607	ppm	0.000169	27.87	52.076761	0.000607
Zn (213.857 nm)	0.003624	ppm	0.000196	5.41	58.143618	0.003624

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-06

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-06	12/7/2023 1:42:19 PM	1:25	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000025 u	ppm	0.000133	> 100.00	6.861885	0.000025 u
Al (237.312 nm)	0.003216	ppm	0.001363	42.40	6.522086	0.003216
As (193.696 nm)	0.006328	ppm	0.002738	43.26	4.526486	0.006328
Ba (493.408 nm)	0.020198	ppm	0.000038	0.19	15454.162941	0.020198
Be (313.042 nm)	0.000006	ppm	0.000004	69.37	123.401535	0.000006
Ca (317.933 nm)	25.086278	ppm	0.089044	0.35	405224.073704	25.086278
Cd (214.439 nm)	0.000034 u	ppm	0.000250	> 100.00	2.200830	0.000034 u
Co (230.786 nm)	0.000850 u	ppm	0.000856	> 100.00	8.706575	0.000850 u
Cr (267.716 nm)	0.000206 u	ppm	0.000244	> 100.00	8.515357	0.000206 u
Cu (327.395 nm)	-0.000056 u	ppm	0.000257	> 100.00	13.161780	-0.000056 u
Fe (238.204 nm)	0.008368	ppm	0.000276	3.30	129.026661	0.008368
K (766.491 nm)	1.982802	ppm	0.003182	0.16	63423.535202	1.982802
Mg (279.800 nm)	7.886172	ppm	0.015008	0.19	5953.562257	7.886172
Mn (257.610 nm)	0.011702	ppm	0.000027	0.23	1493.905778	0.011702
Mo (202.032 nm)	0.000136 u	ppm	0.000738	> 100.00	4.717958	0.000136 u
Na (589.592 nm)	11.026311	ppm	0.033961	0.31	1684004.683804	11.026311
Ni (231.604 nm)	-0.000738 u	ppm	0.000431	58.34	0.108281	-0.000738 u
Pb (220.353 nm)	-0.000636 u	ppm	0.002871	> 100.00	5.777516	-0.000636 u
Sb (217.582 nm)	0.010490	ppm	0.003058	29.15	5.518612	0.010490
Se (196.026 nm)	0.006043 u	ppm	0.007585	> 100.00	5.329563	0.006043 u
Tl (351.923 nm)	-0.000721 u	ppm	0.001843	> 100.00	-1.122479	-0.000721 u
V (292.401 nm)	0.000199 u	ppm	0.000738	> 100.00	46.695945	0.000199 u
Zn (213.857 nm)	0.002964	ppm	0.000377	12.71	50.454644	0.002964

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-07

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-07	12/7/2023 1:45:32 PM	1:26	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	-0.000133 u	ppm	0.000122	91.53	3.735204	-0.000133 u
Al (237.312 nm)	0.111695	ppm	0.018522	16.58	126.522296	0.111695
As (193.696 nm)	0.002369 u	ppm	0.004529	> 100.00	3.018008	0.002369 u
Ba (493.408 nm)	0.033761	ppm	0.000068	0.20	25596.990049	0.033761
Be (313.042 nm)	0.000164	ppm	0.000009	5.34	262.579695	0.000164
Ca (317.933 nm)	10.002068	ppm	0.050331	0.50	164743.588112	10.002068
Cd (214.439 nm)	0.000027 u	ppm	0.000221	> 100.00	2.155548	0.000027 u
Co (230.786 nm)	0.000263 u	ppm	0.000635	> 100.00	6.398543	0.000263 u
Cr (267.716 nm)	0.001461	ppm	0.000201	13.79	25.888625	0.001461
Cu (327.395 nm)	0.000079 u	ppm	0.000391	> 100.00	15.330736	0.000079 u
Fe (238.204 nm)	0.014625	ppm	0.000434	2.97	215.354407	0.014625
K (766.491 nm)	3.194780	ppm	0.008903	0.28	102121.198891	3.194780
Mg (279.800 nm)	3.341750	ppm	0.017378	0.52	2525.928101	3.341750
Mn (257.610 nm)	0.002580	ppm	0.000037	1.44	342.083762	0.002580
Mo (202.032 nm)	0.000128 u	ppm	0.000287	> 100.00	4.699232	0.000128 u
Na (589.592 nm)	13.941672	ppm	0.059641	0.43	2128625.264227	13.941672
Ni (231.604 nm)	0.001090 u	ppm	0.001308	> 100.00	2.257453	0.001090 u
Pb (220.353 nm)	-0.001238 u	ppm	0.002435	> 100.00	5.219888	-0.001238 u
Sb (217.582 nm)	0.009497 u	ppm	0.007760	81.72	5.201875	0.009497 u
Se (196.026 nm)	0.006682	ppm	0.005112	76.50	5.537228	0.006682
Tl (351.923 nm)	-0.001982 u	ppm	0.000148	7.48	-1.984661	-0.001982 u
V (292.401 nm)	0.000297 u	ppm	0.000421	> 100.00	47.989518	0.000297 u
Zn (213.857 nm)	0.004686	ppm	0.000422	9.00	70.509737	0.004686

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-08

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-08	12/7/2023 1:48:44 PM	1:27	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000084 u	ppm	0.000180	> 100.00	8.033161	0.000084 u
Al (237.312 nm)	0.003887 u	ppm	0.005324	> 100.00	7.264231	0.003887 u
As (193.696 nm)	0.004131 u	ppm	0.003438	83.22	3.689483	0.004131 u
Ba (493.408 nm)	0.031788	ppm	0.000134	0.42	24121.242893	0.031788
Be (313.042 nm)	0.000158	ppm	0.000003	1.64	257.079491	0.000158
Ca (317.933 nm)	9.382996	ppm	0.053704	0.57	154874.007572	9.382996
Cd (214.439 nm)	-0.000127 u	ppm	0.000153	> 100.00	1.098833	-0.000127 u
Co (230.786 nm)	0.000979 u	ppm	0.000780	79.74	9.210744	0.000979 u
Cr (267.716 nm)	0.001707	ppm	0.000256	14.98	29.305631	0.001707
Cu (327.395 nm)	-0.000132 u	ppm	0.000359	> 100.00	11.934295	-0.000132 u
Fe (238.204 nm)	0.013590	ppm	0.000467	3.44	201.076880	0.013590
K (766.491 nm)	3.006817	ppm	0.010037	0.33	96119.647687	3.006817
Mg (279.800 nm)	3.121055	ppm	0.015200	0.49	2359.468791	3.121055
Mn (257.610 nm)	0.002777	ppm	0.000030	1.09	366.969352	0.002777
Mo (202.032 nm)	0.000385 u	ppm	0.000716	> 100.00	5.313504	0.000385 u
Na (589.592 nm)	13.074861	ppm	0.059194	0.45	1996428.157702	13.074861
Ni (231.604 nm)	0.000477 u	ppm	0.000863	> 100.00	1.536035	0.000477 u
Pb (220.353 nm)	0.004109	ppm	0.003104	75.56	10.170762	0.004109
Sb (217.582 nm)	0.007981	ppm	0.005331	66.80	4.718820	0.007981
Se (196.026 nm)	0.001992 u	ppm	0.004662	> 100.00	4.013193	0.001992 u
Tl (351.923 nm)	0.009035	ppm	0.005041	55.79	5.546994	0.009035
V (292.401 nm)	0.000226	ppm	0.000126	55.76	47.056594	0.000226
Zn (213.857 nm)	0.003333	ppm	0.000168	5.06	54.747496	0.003333

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-09

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-09	12/7/2023 1:51:57 PM	1:28	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000870	ppm	0.000154	17.70	23.557899	0.000870
Al (237.312 nm)	0.020603	ppm	0.005139	24.94	25.755641	0.020603
As (193.696 nm)	0.007248	ppm	0.003378	46.61	4.876833	0.007248
Ba (493.408 nm)	0.004486	ppm	0.000054	1.20	3704.282074	0.004486
Be (313.042 nm)	0.003801	ppm	0.000053	1.38	3446.881220	0.003801
Ca (317.933 nm)	0.063902	ppm	0.001067	1.67	6304.064761	0.063902
Cd (214.439 nm)	0.004201	ppm	0.000297	7.06	30.682787	0.004201
Co (230.786 nm)	0.004318	ppm	0.000475	11.01	22.327193	0.004318
Cr (267.716 nm)	0.004606	ppm	0.000164	3.57	69.445374	0.004606
Cu (327.395 nm)	0.013499	ppm	0.000275	2.04	230.960692	0.013499
Fe (238.204 nm)	0.020740	ppm	0.000411	1.98	299.714926	0.020740
K (766.491 nm)	0.028597	ppm	0.000609	2.13	1027.016256	0.028597
Mg (279.800 nm)	0.040768	ppm	0.003518	8.63	36.159623	0.040768
Mn (257.610 nm)	0.005894	ppm	0.000079	1.34	760.536877	0.005894
Mo (202.032 nm)	0.004573	ppm	0.001157	25.31	15.356128	0.004573
Na (589.592 nm)	0.041797	ppm	0.000290	0.69	8761.199846	0.041797
Ni (231.604 nm)	0.003830	ppm	0.001149	30.01	5.477865	0.003830
Pb (220.353 nm)	0.003382 u	ppm	0.003450	> 100.00	9.497882	0.003382 u
Sb (217.582 nm)	0.003684 u	ppm	0.005051	> 100.00	3.349683	0.003684 u
Se (196.026 nm)	0.005967	ppm	0.004010	67.21	5.304833	0.005967
Tl (351.923 nm)	0.006363	ppm	0.002615	41.10	3.720104	0.006363
V (292.401 nm)	0.004131	ppm	0.000235	5.69	98.553738	0.004131
Zn (213.857 nm)	0.011913	ppm	0.000168	1.41	154.701144	0.011913

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349112-MS1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349112-MS1	12/7/2023 1:55:10 PM	1:29	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.493757	ppm	0.001499	0.30	9763.154447	0.493757
Al (237.312 nm)	7.747404	ppm	0.017399	0.22	8573.215219	7.747404
As (193.696 nm)	1.936255	ppm	0.003985	0.21	739.776870	1.936255
Ba (493.408 nm)	2.042086	ppm	0.004196	0.21	1527481.740292	2.042086
Be (313.042 nm)	1.926907	ppm	0.005526	0.29	1687564.814129	1.926907
Ca (317.933 nm)	23.983490	ppm	0.102766	0.43	387642.849194	23.983490
Cd (214.439 nm)	1.926130	ppm	0.008621	0.45	13166.966712	1.926130
Co (230.786 nm)	1.947203	ppm	0.006369	0.33	7653.130243	1.947203
Cr (267.716 nm)	1.905300	ppm	0.005332	0.28	26390.870988	1.905300
Cu (327.395 nm)	1.907108	ppm	0.004154	0.22	30658.061871	1.907108
Fe (238.204 nm)	7.922832	ppm	0.049021	0.62	109323.988217	7.922832
K (766.491 nm)	9.282046	ppm	0.011741	0.13	296483.619452	9.282046
Mg (279.800 nm)	20.030030	ppm	0.054844	0.27	15113.077457	20.030030
Mn (257.610 nm)	1.978365	ppm	0.006355	0.32	249803.846124	1.978365
Mo (202.032 nm)	1.920511	ppm	0.005723	0.30	4609.228605	1.920511
Na (589.592 nm)	11.862206	ppm	0.033344	0.28	1811486.707446	11.862206
Ni (231.604 nm)	1.983745	ppm	0.006668	0.34	2332.573669	1.983745
Pb (220.353 nm)	1.878169	ppm	0.015822	0.84	1745.552331	1.878169
Sb (217.582 nm)	1.961205	ppm	0.005425	0.28	627.158426	1.961205
Se (196.026 nm)	1.950787	ppm	0.007125	0.37	637.245718	1.950787
Tl (351.923 nm)	1.978694	ppm	0.012237	0.62	1352.095876	1.978694
V (292.401 nm)	1.942118	ppm	0.006235	0.32	25655.763506	1.942118
Zn (213.857 nm)	2.039317	ppm	0.006673	0.33	23773.615487	2.039317

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349112-MSD1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349112-MSD1	12/7/2023 1:58:23 PM	1:30	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.501575	ppm	0.000565	0.11	9917.646130	0.501575
Al (237.312 nm)	7.883508	ppm	0.015490	0.20	8723.775102	7.883508
As (193.696 nm)	1.970426	ppm	0.013268	0.67	752.795042	1.970426
Ba (493.408 nm)	2.074473	ppm	0.003650	0.18	1551701.772672	2.074473
Be (313.042 nm)	1.960011	ppm	0.003086	0.16	1716554.826377	1.960011
Ca (317.933 nm)	24.686373	ppm	0.048713	0.20	398848.571730	24.686373
Cd (214.439 nm)	1.958151	ppm	0.003548	0.18	13385.828688	1.958151
Co (230.786 nm)	1.980158	ppm	0.006356	0.32	7782.565019	1.980158
Cr (267.716 nm)	1.936896	ppm	0.003520	0.18	26828.416027	1.936896
Cu (327.395 nm)	1.943424	ppm	0.002240	0.12	31241.596631	1.943424
Fe (238.204 nm)	8.054691	ppm	0.015782	0.20	111143.234307	8.054691
K (766.491 nm)	9.588631	ppm	0.025122	0.26	306272.668878	9.588631
Mg (279.800 nm)	20.443695	ppm	0.045083	0.22	15425.084839	20.443695
Mn (257.610 nm)	2.019516	ppm	0.003912	0.19	254999.470895	2.019516
Mo (202.032 nm)	1.946397	ppm	0.003513	0.18	4671.296392	1.946397
Na (589.592 nm)	12.469397	ppm	0.052069	0.42	1904089.144375	12.469397
Ni (231.604 nm)	2.015305	ppm	0.007091	0.35	2369.668520	2.015305
Pb (220.353 nm)	1.915873	ppm	0.007888	0.41	1780.466633	1.915873
Sb (217.582 nm)	2.002365	ppm	0.007856	0.39	640.275115	2.002365
Se (196.026 nm)	1.981782	ppm	0.008230	0.42	647.317218	1.981782
Tl (351.923 nm)	2.028178	ppm	0.007764	0.38	1385.925177	2.028178
V (292.401 nm)	1.976210	ppm	0.003195	0.16	26105.346975	1.976210
Zn (213.857 nm)	2.072995	ppm	0.002711	0.13	24165.956159	2.072995

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: SEQ-CCV1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
SEQ-CCV1	12/7/2023 2:01:36 PM	S1:5	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.495234	ppm	0.003387	0.68	9792.357181	0.495234
Al (237.312 nm)	9.917115	ppm	0.093736	0.95	10973.370150	9.917115
As (193.696 nm)	4.943384	ppm	0.040285	0.81	1885.412007	4.943384
Ba (493.408 nm)	5.173708	ppm	0.060979	1.18	3869402.209899	5.173708
Be (313.042 nm)	2.037085	ppm	0.017769	0.87	1784051.124026	2.037085
Ca (317.933 nm)	50.574749	ppm	0.361116	0.71	811574.816030	50.574749
Cd (214.439 nm)	2.448882	ppm	0.017802	0.73	16739.948249	2.448882
Co (230.786 nm)	4.943587	ppm	0.040567	0.82	19421.618728	4.943587
Cr (267.716 nm)	4.914712	ppm	0.042516	0.87	68066.177638	4.914712
Cu (327.395 nm)	5.044309	ppm	0.023144	0.46	81067.580919	5.044309
Fe (238.204 nm)	10.132180	ppm	0.069335	0.68	139806.115509	10.132180
K (766.491 nm)	24.040707	ppm	0.198417	0.83	767718.045439	24.040707
Mg (279.800 nm)	49.095574	ppm	0.387661	0.79	37035.789602	49.095574
Mn (257.610 nm)	5.025124	ppm	0.039460	0.79	634486.187658	5.025124
Mo (202.032 nm)	5.069336	ppm	0.039716	0.78	12159.211933	5.069336
Na (589.592 nm)	49.120330	ppm	0.348738	0.71	7493707.071467	49.120330
Ni (231.604 nm)	5.029920	ppm	0.043411	0.86	5912.900387	5.029920
Pb (220.353 nm)	4.823445	ppm	0.034968	0.72	4472.880999	4.823445
Sb (217.582 nm)	4.982179	ppm	0.055819	1.12	1589.861197	4.982179
Se (196.026 nm)	4.870479	ppm	0.057244	1.18	1585.957348	4.870479
Tl (351.923 nm)	5.102983	ppm	0.043974	0.86	3488.002573	5.102983
V (292.401 nm)	5.034432	ppm	0.041952	0.83	66435.666307	5.034432
Zn (213.857 nm)	5.130929	ppm	0.038416	0.75	59790.362628	5.130929

Test Report

120723_metals esws



Agilent Technologies

Solution Name: SEQ-CCB1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
SEQ-CCB1	12/7/2023 2:04:50 PM	S1:4	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000172 u	ppm	0.000215	> 100.00	9.776827	0.000172 u
Al (237.312 nm)	0.002782	ppm	0.002074	74.57	6.041593	0.002782
As (193.696 nm)	0.004131 u	ppm	0.003862	93.49	3.689380	0.004131 u
Ba (493.408 nm)	0.000967	ppm	0.000043	4.41	1072.316432	0.000967
Be (313.042 nm)	0.000074	ppm	0.000014	19.01	183.473556	0.000074
Ca (317.933 nm)	-0.001456 u	ppm	0.001049	72.01	5262.090261	-0.001456 u
Cd (214.439 nm)	0.000306	ppm	0.000180	58.91	4.059498	0.000306
Co (230.786 nm)	0.000922	ppm	0.000258	28.00	8.989026	0.000922
Cr (267.716 nm)	0.000632	ppm	0.000213	33.69	14.414575	0.000632
Cu (327.395 nm)	0.000424 u	ppm	0.000633	> 100.00	20.873338	0.000424 u
Fe (238.204 nm)	0.001202	ppm	0.000417	34.69	30.159934	0.001202
K (766.491 nm)	0.006931	ppm	0.000280	4.04	335.238346	0.006931
Mg (279.800 nm)	0.012261	ppm	0.003634	29.64	14.657839	0.012261
Mn (257.610 nm)	0.001014	ppm	0.000024	2.41	144.378609	0.001014
Mo (202.032 nm)	0.001510	ppm	0.000843	55.84	8.011240	0.001510
Na (589.592 nm)	0.006384	ppm	0.000338	5.29	3360.391294	0.006384
Ni (231.604 nm)	0.000436 u	ppm	0.000805	> 100.00	1.487807	0.000436 u
Pb (220.353 nm)	-0.003267 u	ppm	0.001538	47.07	3.340484	-0.003267 u
Sb (217.582 nm)	0.003850 u	ppm	0.003869	> 100.00	3.402538	0.003850 u
Se (196.026 nm)	0.003145 u	ppm	0.002888	91.85	4.387665	0.003145 u
Tl (351.923 nm)	-0.000278 u	ppm	0.004560	> 100.00	-0.819639	-0.000278 u
V (292.401 nm)	0.000831	ppm	0.000615	74.07	55.031726	0.000831
Zn (213.857 nm)	0.001745	ppm	0.000119	6.84	36.246520	0.001745

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349113-BLK1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349113-BLK1	12/7/2023 2:08:03 PM	1:31	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000095 u	ppm	0.000243	> 100.00	8.251413	0.000095 u
Al (237.312 nm)	0.004208	ppm	0.002314	54.99	7.619399	0.004208
As (193.696 nm)	0.009334	ppm	0.002166	23.21	5.671586	0.009334
Ba (493.408 nm)	0.001069	ppm	0.000190	17.78	1148.912416	0.001069
Be (313.042 nm)	-0.000048 u	ppm	0.000074	> 100.00	76.617412	-0.000048 u
Ca (317.933 nm)	0.004912	ppm	0.002428	49.43	5363.612287	0.004912
Cd (214.439 nm)	0.000446	ppm	0.000198	44.44	5.018512	0.000446
Co (230.786 nm)	0.000805 u	ppm	0.001093	> 100.00	8.529197	0.000805 u
Cr (267.716 nm)	0.000802	ppm	0.000517	64.41	16.769452	0.000802
Cu (327.395 nm)	0.000666 u	ppm	0.000719	> 100.00	24.757433	0.000666 u
Fe (238.204 nm)	0.005002	ppm	0.000719	14.38	82.588350	0.005002
K (766.491 nm)	0.002327	ppm	0.001336	57.41	188.238297	0.002327
Mg (279.800 nm)	0.011128	ppm	0.005036	45.26	13.803306	0.011128
Mn (257.610 nm)	0.002241	ppm	0.000175	7.82	299.347734	0.002241
Mo (202.032 nm)	0.001300	ppm	0.000178	13.65	7.508846	0.001300
Na (589.592 nm)	0.008811	ppm	0.001821	20.66	3730.662474	0.008811
Ni (231.604 nm)	0.001103	ppm	0.000793	71.91	2.272221	0.001103
Pb (220.353 nm)	0.001981 u	ppm	0.002313	> 100.00	8.200440	0.001981 u
Sb (217.582 nm)	0.004940	ppm	0.003061	61.98	3.749686	0.004940
Se (196.026 nm)	0.005307	ppm	0.003380	63.68	5.090263	0.005307
Tl (351.923 nm)	0.000155 u	ppm	0.003825	> 100.00	-0.523482	0.000155 u
V (292.401 nm)	0.000853	ppm	0.000253	29.68	55.325337	0.000853
Zn (213.857 nm)	0.001712	ppm	0.000422	24.65	35.869670	0.001712

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349113-BS1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349113-BS1	12/7/2023 2:11:16 PM	1:32	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.501395	ppm	0.000872	0.17	9914.092410	0.501395
Al (237.312 nm)	7.814110	ppm	0.013254	0.17	8647.006386	7.814110
As (193.696 nm)	1.971372	ppm	0.012880	0.65	753.155265	1.971372
Ba (493.408 nm)	2.032958	ppm	0.002538	0.12	1520655.479486	2.032958
Be (313.042 nm)	1.958549	ppm	0.001864	0.10	1715274.755857	1.958549
Ca (317.933 nm)	20.138127	ppm	0.071855	0.36	326338.019206	20.138127
Cd (214.439 nm)	1.950869	ppm	0.004198	0.22	13336.058048	1.950869
Co (230.786 nm)	1.958289	ppm	0.004894	0.25	7696.672090	1.958289
Cr (267.716 nm)	1.921542	ppm	0.005806	0.30	26615.794113	1.921542
Cu (327.395 nm)	1.922293	ppm	0.002034	0.11	30902.063269	1.922293
Fe (238.204 nm)	7.958241	ppm	0.043531	0.55	109812.531040	7.958241
K (766.491 nm)	7.833364	ppm	0.014530	0.19	250228.163936	7.833364
Mg (279.800 nm)	19.166599	ppm	0.038343	0.20	14461.834352	19.166599
Mn (257.610 nm)	1.974024	ppm	0.004834	0.24	249255.675424	1.974024
Mo (202.032 nm)	1.936937	ppm	0.005698	0.29	4648.612706	1.936937
Na (589.592 nm)	7.743898	ppm	0.019422	0.25	1183405.326240	7.743898
Ni (231.604 nm)	2.005419	ppm	0.006018	0.30	2358.047977	2.005419
Pb (220.353 nm)	1.901582	ppm	0.005112	0.27	1767.233334	1.901582
Sb (217.582 nm)	1.984474	ppm	0.017783	0.90	634.573556	1.984474
Se (196.026 nm)	2.036666	ppm	0.012709	0.62	665.150841	2.036666
Tl (351.923 nm)	2.019472	ppm	0.010151	0.50	1379.973860	2.019472
V (292.401 nm)	1.957033	ppm	0.002779	0.14	25852.461159	1.957033
Zn (213.857 nm)	2.081831	ppm	0.004356	0.21	24268.891054	2.081831

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349113-SRM1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349113-SRM1	12/7/2023 2:14:29 PM	1:33	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.024207	ppm	0.000214	0.88	484.710149	0.024207
Al (237.312 nm)	0.385946	ppm	0.005560	1.44	429.902144	0.385946
As (193.696 nm)	0.093166	ppm	0.002744	2.95	37.609132	0.093166
Ba (493.408 nm)	0.100135	ppm	0.000284	0.28	75233.008787	0.100135
Be (313.042 nm)	0.095640	ppm	0.000246	0.26	83872.793940	0.095640
Ca (317.933 nm)	0.983955	ppm	0.003234	0.33	20972.039284	0.983955
Cd (214.439 nm)	0.098466	ppm	0.000490	0.50	674.980372	0.098466
Co (230.786 nm)	0.095554	ppm	0.000660	0.69	380.661826	0.095554
Cr (267.716 nm)	0.095385	ppm	0.000344	0.36	1326.584482	0.095385
Cu (327.395 nm)	0.092302	ppm	0.000659	0.71	1497.200224	0.092302
Fe (238.204 nm)	0.399547	ppm	0.001148	0.29	5526.076179	0.399547
K (766.491 nm)	0.368537	ppm	0.000773	0.21	11881.096440	0.368537
Mg (279.800 nm)	0.931585	ppm	0.012734	1.37	708.058830	0.931585
Mn (257.610 nm)	0.098238	ppm	0.000258	0.26	12419.887579	0.098238
Mo (202.032 nm)	0.095779	ppm	0.001465	1.53	234.041596	0.095779
Na (589.592 nm)	0.338788	ppm	0.000857	0.25	54055.240636	0.338788
Ni (231.604 nm)	0.097762	ppm	0.002252	2.30	115.880640	0.097762
Pb (220.353 nm)	0.094358	ppm	0.004293	4.55	93.741902	0.094358
Sb (217.582 nm)	0.098780	ppm	0.004701	4.76	33.654018	0.098780
Se (196.026 nm)	0.110080	ppm	0.007168	6.51	39.134798	0.110080
Tl (351.923 nm)	0.100656	ppm	0.006129	6.09	68.183387	0.100656
V (292.401 nm)	0.096357	ppm	0.000496	0.52	1314.788300	0.096357
Zn (213.857 nm)	0.105306	ppm	0.000682	0.65	1242.716872	0.105306

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-01

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-01	12/7/2023 2:17:42 PM	1:34	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	-0.000056 u	ppm	0.000094	> 100.00	5.252758	-0.000056 u
Al (237.312 nm)	0.064447	ppm	0.002068	3.21	74.256793	0.064447
As (193.696 nm)	0.001028 u	ppm	0.004738	> 100.00	2.507075	0.001028 u
Ba (493.408 nm)	0.016571	ppm	0.000029	0.17	12741.796015	0.016571
Be (313.042 nm)	0.000011 u	ppm	0.000011	96.08	128.423596	0.000011 u
Ca (317.933 nm)	3.978679	ppm	0.018933	0.48	68715.517449	3.978679
Cd (214.439 nm)	0.000273	ppm	0.000249	91.40	3.833658	0.000273
Co (230.786 nm)	0.000627	ppm	0.000424	67.63	7.830502	0.000627
Cr (267.716 nm)	0.004080	ppm	0.000465	11.40	62.159053	0.004080
Cu (327.395 nm)	0.000097 u	ppm	0.000260	> 100.00	15.613208	0.000097 u
Fe (238.204 nm)	0.092196	ppm	0.000497	0.54	1285.593346	0.092196
K (766.491 nm)	1.455416	ppm	0.003869	0.27	46584.438020	1.455416
Mg (279.800 nm)	1.036145	ppm	0.005315	0.51	786.923263	1.036145
Mn (257.610 nm)	0.008876	ppm	0.000054	0.61	1137.076637	0.008876
Mo (202.032 nm)	0.001187	ppm	0.000550	46.35	7.237688	0.001187
Na (589.592 nm)	3.751953	ppm	0.011796	0.31	574595.616848	3.751953
Ni (231.604 nm)	0.002245	ppm	0.001856	82.68	3.614889	0.002245
Pb (220.353 nm)	-0.000464 u	ppm	0.001302	> 100.00	5.936561	-0.000464 u
Sb (217.582 nm)	0.001743 u	ppm	0.007346	> 100.00	2.731114	0.001743 u
Se (196.026 nm)	0.010585	ppm	0.004387	41.45	6.805263	0.010585
Tl (351.923 nm)	-0.000474 u	ppm	0.003241	> 100.00	-0.953586	-0.000474 u
V (292.401 nm)	0.000534	ppm	0.000246	46.07	51.118048	0.000534
Zn (213.857 nm)	0.003368	ppm	0.000192	5.70	55.153889	0.003368

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-04

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-04	12/7/2023 2:20:55 PM	1:35	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000319	ppm	0.000296	92.80	12.667846	0.000319
Al (237.312 nm)	0.060918	ppm	0.000592	0.97	70.352900	0.060918
As (193.696 nm)	0.002704 u	ppm	0.004460	> 100.00	3.145711	0.002704 u
Ba (493.408 nm)	0.021290	ppm	0.000094	0.44	16270.396011	0.021290
Be (313.042 nm)	0.000009	ppm	0.000010	> 100.00	126.217048	0.000009
Ca (317.933 nm)	24.929629	ppm	0.123843	0.50	402726.686668	24.929629
Cd (214.439 nm)	0.000187	ppm	0.000156	83.46	3.249004	0.000187
Co (230.786 nm)	0.000719	ppm	0.000302	42.07	8.189861	0.000719
Cr (267.716 nm)	0.000804	ppm	0.000195	24.31	16.797563	0.000804
Cu (327.395 nm)	0.000212 u	ppm	0.000285	> 100.00	17.464171	0.000212 u
Fe (238.204 nm)	0.143903	ppm	0.001024	0.71	1998.985615	0.143903
K (766.491 nm)	3.009845	ppm	0.010226	0.34	96216.344365	3.009845
Mg (279.800 nm)	5.159101	ppm	0.018860	0.37	3896.666487	5.159101
Mn (257.610 nm)	5.095141	ppm	0.022410	0.44	643326.495942	5.095141
Mo (202.032 nm)	0.001047	ppm	0.000607	57.94	6.901756	0.001047
Na (589.592 nm)	11.601661	ppm	0.067380	0.58	1771751.165259	11.601661
Ni (231.604 nm)	0.000594 u	ppm	0.000631	> 100.00	1.674066	0.000594 u
Pb (220.353 nm)	-0.000719 u	ppm	0.003139	> 100.00	5.699937	-0.000719 u
Sb (217.582 nm)	-0.005072 u	ppm	0.001043	20.57	0.559140	-0.005072 u
Se (196.026 nm)	0.000175 u	ppm	0.006068	> 100.00	3.422695	0.000175 u
Tl (351.923 nm)	0.003079 u	ppm	0.005596	> 100.00	1.475326	0.003079 u
V (292.401 nm)	0.000976	ppm	0.000249	25.47	56.948965	0.000976
Zn (213.857 nm)	0.003152	ppm	0.000155	4.92	52.635582	0.003152

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-05

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-05	12/7/2023 2:24:09 PM	1:36	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	-0.000055 u	ppm	0.000218	> 100.00	5.286192	-0.000055 u
Al (237.312 nm)	0.076631	ppm	0.001882	2.46	87.734997	0.076631
As (193.696 nm)	0.000592 u	ppm	0.002576	> 100.00	2.340967	0.000592 u
Ba (493.408 nm)	0.021895	ppm	0.000071	0.32	16723.048284	0.021895
Be (313.042 nm)	-0.000022 u	ppm	0.000009	42.51	99.317107	-0.000022 u
Ca (317.933 nm)	20.494306	ppm	0.098954	0.48	332016.417378	20.494306
Cd (214.439 nm)	0.000243 u	ppm	0.000249	> 100.00	3.632935	0.000243 u
Co (230.786 nm)	0.000381 u	ppm	0.000384	> 100.00	6.863602	0.000381 u
Cr (267.716 nm)	0.001770	ppm	0.000189	10.69	30.172948	0.001770
Cu (327.395 nm)	0.002179	ppm	0.000699	32.07	49.068695	0.002179
Fe (238.204 nm)	0.093630	ppm	0.000595	0.64	1305.378237	0.093630
K (766.491 nm)	1.974631	ppm	0.006884	0.35	63162.631189	1.974631
Mg (279.800 nm)	7.032811	ppm	0.022490	0.32	5309.913689	7.032811
Mn (257.610 nm)	0.162221	ppm	0.000837	0.52	20498.273123	0.162221
Mo (202.032 nm)	0.000228 u	ppm	0.001052	> 100.00	4.937461	0.000228 u
Na (589.592 nm)	9.527217	ppm	0.028707	0.30	1455378.579337	9.527217
Ni (231.604 nm)	-0.000845 u	ppm	0.000615	72.75	-0.017746	-0.000845 u
Pb (220.353 nm)	-0.000929 u	ppm	0.001108	> 100.00	5.505824	-0.000929 u
Sb (217.582 nm)	0.004134 u	ppm	0.009181	> 100.00	3.492832	0.004134 u
Se (196.026 nm)	0.007504	ppm	0.005735	76.43	5.804027	0.007504
Tl (351.923 nm)	-0.000972 u	ppm	0.005486	> 100.00	-1.294150	-0.000972 u
V (292.401 nm)	0.000810	ppm	0.000232	28.68	54.757784	0.000810
Zn (213.857 nm)	0.003528	ppm	0.000082	2.33	57.023063	0.003528

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-06

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-06	12/7/2023 2:27:22 PM	1:37	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	-0.000092 u	ppm	0.000060	65.15	4.559899	-0.000092 u
Al (237.312 nm)	0.175703	ppm	0.005024	2.86	197.328651	0.175703
As (193.696 nm)	0.007360 u	ppm	0.009149	> 100.00	4.919677	0.007360 u
Ba (493.408 nm)	0.021942	ppm	0.000048	0.22	16757.867291	0.021942
Be (313.042 nm)	-0.000187 u	ppm	0.000014	7.34	-45.469502	-0.000187 u
Ca (317.933 nm)	24.858125	ppm	0.103009	0.41	401586.740177	24.858125
Cd (214.439 nm)	0.000255	ppm	0.000130	50.87	3.714345	0.000255
Co (230.786 nm)	0.000324 u	ppm	0.000307	94.77	6.640529	0.000324 u
Cr (267.716 nm)	0.000775	ppm	0.000303	39.15	16.390887	0.000775
Cu (327.395 nm)	-0.000116 u	ppm	0.000256	> 100.00	12.184798	-0.000116 u
Fe (238.204 nm)	0.622556	ppm	0.002724	0.44	8602.908177	0.622556
K (766.491 nm)	1.979089	ppm	0.006088	0.31	63304.973544	1.979089
Mg (279.800 nm)	7.802982	ppm	0.037110	0.48	5890.815935	7.802982
Mn (257.610 nm)	0.013455	ppm	0.000105	0.78	1715.200249	0.013455
Mo (202.032 nm)	0.000343 u	ppm	0.000739	> 100.00	5.214973	0.000343 u
Na (589.592 nm)	10.871522	ppm	0.021128	0.19	1660397.893386	10.871522
Ni (231.604 nm)	-0.000943 u	ppm	0.001243	> 100.00	-0.132213	-0.000943 u
Pb (220.353 nm)	-0.003203 u	ppm	0.001638	51.14	3.400421	-0.003203 u
Sb (217.582 nm)	0.001448 u	ppm	0.003593	> 100.00	2.637108	0.001448 u
Se (196.026 nm)	0.005619 u	ppm	0.007299	> 100.00	5.191813	0.005619 u
Tl (351.923 nm)	0.009404	ppm	0.003776	40.15	5.799043	0.009404
V (292.401 nm)	0.000792	ppm	0.000342	43.19	54.519867	0.000792
Zn (213.857 nm)	0.003829	ppm	0.000350	9.14	60.531938	0.003829

Test Report

120723_metals esws



Agilent Technologies

Solution Name: 3120104-07

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-07	12/7/2023 2:30:35 PM	1:38	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000106 u	ppm	0.000108	> 100.00	8.471496	0.000106 u
Al (237.312 nm)	0.048950	ppm	0.001753	3.58	57.113222	0.048950
As (193.696 nm)	0.005064	ppm	0.002320	45.81	4.044861	0.005064
Ba (493.408 nm)	0.035486	ppm	0.000091	0.26	26886.573361	0.035486
Be (313.042 nm)	0.000054	ppm	0.000004	7.31	165.913730	0.000054
Ca (317.933 nm)	10.069877	ppm	0.046009	0.46	165824.627409	10.069877
Cd (214.439 nm)	-0.000054 u	ppm	0.000282	> 100.00	1.601533	-0.000054 u
Co (230.786 nm)	-0.000169 u	ppm	0.000573	> 100.00	4.704282	-0.000169 u
Cr (267.716 nm)	0.002613	ppm	0.000268	10.27	41.842491	0.002613
Cu (327.395 nm)	0.000130 u	ppm	0.000602	> 100.00	16.143075	0.000130 u
Fe (238.204 nm)	0.081407	ppm	0.000183	0.23	1136.727723	0.081407
K (766.491 nm)	3.357841	ppm	0.009275	0.28	107327.625948	3.357841
Mg (279.800 nm)	3.265322	ppm	0.010784	0.33	2468.282380	3.265322
Mn (257.610 nm)	0.012884	ppm	0.000079	0.61	1643.037314	0.012884
Mo (202.032 nm)	0.000130 u	ppm	0.000810	> 100.00	4.703359	0.000130 u
Na (589.592 nm)	14.371380	ppm	0.047488	0.33	2194159.819529	14.371380
Ni (231.604 nm)	-0.000632 u	ppm	0.001068	> 100.00	0.232995	-0.000632 u
Pb (220.353 nm)	0.000523 u	ppm	0.001621	> 100.00	6.850459	0.000523 u
Sb (217.582 nm)	0.002087 u	ppm	0.004380	> 100.00	2.840741	0.002087 u
Se (196.026 nm)	0.007528	ppm	0.002051	27.25	5.811876	0.007528
Tl (351.923 nm)	-0.000887 u	ppm	0.005146	> 100.00	-1.235938	-0.000887 u
V (292.401 nm)	0.000857	ppm	0.000240	28.00	55.375280	0.000857
Zn (213.857 nm)	0.004169	ppm	0.000328	7.88	64.492691	0.004169

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: 3120104-08

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-08	12/7/2023 2:33:48 PM	1:39	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	-0.000001 u	ppm	0.000045	> 100.00	6.344502	-0.000001 u
Al (237.312 nm)	0.016459	ppm	0.003783	22.98	21.171899	0.016459
As (193.696 nm)	0.002249 u	ppm	0.003231	> 100.00	2.972296	0.002249 u
Ba (493.408 nm)	0.034346	ppm	0.000038	0.11	26034.345303	0.034346
Be (313.042 nm)	0.000010	ppm	0.000003	33.92	127.239964	0.000010
Ca (317.933 nm)	9.953756	ppm	0.032360	0.33	163973.368782	9.953756
Cd (214.439 nm)	0.000168	ppm	0.000120	71.51	3.116956	0.000168
Co (230.786 nm)	0.000761	ppm	0.000331	43.51	8.356228	0.000761
Cr (267.716 nm)	0.002768	ppm	0.000339	12.25	43.993778	0.002768
Cu (327.395 nm)	-0.000428 u	ppm	0.000170	39.76	7.172020	-0.000428 u
Fe (238.204 nm)	0.028615	ppm	0.000297	1.04	408.372893	0.028615
K (766.491 nm)	3.242311	ppm	0.006808	0.21	103638.830509	3.242311
Mg (279.800 nm)	3.266492	ppm	0.005934	0.18	2469.164173	3.266492
Mn (257.610 nm)	0.007667	ppm	0.000045	0.59	984.393276	0.007667
Mo (202.032 nm)	0.000672 u	ppm	0.000726	> 100.00	6.002293	0.000672 u
Na (589.592 nm)	14.070138	ppm	0.024808	0.18	2148217.472499	14.070138
Ni (231.604 nm)	0.001218	ppm	0.001053	86.42	2.407651	0.001218
Pb (220.353 nm)	-0.003665 u	ppm	0.002685	73.26	2.971820	-0.003665 u
Sb (217.582 nm)	0.006182 u	ppm	0.008762	> 100.00	4.145721	0.006182 u
Se (196.026 nm)	0.004957	ppm	0.002945	59.41	4.976507	0.004957
Tl (351.923 nm)	0.003208 u	ppm	0.005018	> 100.00	1.563571	0.003208 u
V (292.401 nm)	0.000396	ppm	0.000191	48.08	49.304656	0.000396
Zn (213.857 nm)	0.003444	ppm	0.000118	3.44	56.047532	0.003444

Test Report

120723_metals esws



Agilent Technologies

Solution Name: 3120104-09

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
3120104-09	12/7/2023 2:37:01 PM	1:40	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.000049 u	ppm	0.000167	> 100.00	7.338551	0.000049 u
Al (237.312 nm)	0.097056	ppm	0.004535	4.67	110.328306	0.097056
As (193.696 nm)	0.003619	ppm	0.002301	63.58	3.494189	0.003619
Ba (493.408 nm)	0.000882	ppm	0.000034	3.85	1008.502450	0.000882
Be (313.042 nm)	0.000207	ppm	0.000003	1.39	299.492874	0.000207
Ca (317.933 nm)	0.057307	ppm	0.000471	0.82	6198.926928	0.057307
Cd (214.439 nm)	-0.000144 u	ppm	0.000235	> 100.00	0.985006	-0.000144 u
Co (230.786 nm)	0.001037	ppm	0.000254	24.52	9.438978	0.001037
Cr (267.716 nm)	0.000878	ppm	0.000125	14.24	17.814395	0.000878
Cu (327.395 nm)	0.010045	ppm	0.000289	2.87	175.453521	0.010045
Fe (238.204 nm)	0.068439	ppm	0.000191	0.28	957.810546	0.068439
K (766.491 nm)	0.029684	ppm	0.000556	1.87	1061.735094	0.029684
Mg (279.800 nm)	0.020411	ppm	0.000534	2.62	20.804875	0.020411
Mn (257.610 nm)	0.001813	ppm	0.000043	2.35	245.225436	0.001813
Mo (202.032 nm)	-0.000555 u	ppm	0.000512	92.17	3.060535	-0.000555 u
Na (589.592 nm)	0.008623	ppm	0.000897	10.40	3701.878995	0.008623
Ni (231.604 nm)	0.000474 u	ppm	0.000874	> 100.00	1.533166	0.000474 u
Pb (220.353 nm)	0.000529 u	ppm	0.004614	> 100.00	6.856308	0.000529 u
Sb (217.582 nm)	0.004031 u	ppm	0.004984	> 100.00	3.460035	0.004031 u
Se (196.026 nm)	0.005759	ppm	0.002805	48.70	5.237286	0.005759
Tl (351.923 nm)	0.002622 u	ppm	0.002254	85.95	1.163069	0.002622 u
V (292.401 nm)	0.000217 u	ppm	0.000215	98.71	46.944111	0.000217 u
Zn (213.857 nm)	0.007436	ppm	0.000296	3.98	102.550809	0.007436

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: SEQ-CCV1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
SEQ-CCV1	12/7/2023 2:40:14 PM	S1:5	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.489832	ppm	0.003925	0.80	9685.613053	0.489832
Al (237.312 nm)	9.801806	ppm	0.084292	0.86	10845.813995	9.801806
As (193.696 nm)	4.884927	ppm	0.041929	0.86	1863.141581	4.884927
Ba (493.408 nm)	5.131473	ppm	0.044412	0.87	3837817.669132	5.131473
Be (313.042 nm)	2.017600	ppm	0.014872	0.74	1766987.184410	2.017600
Ca (317.933 nm)	50.107045	ppm	0.372584	0.74	804118.437180	50.107045
Cd (214.439 nm)	2.418014	ppm	0.020771	0.86	16528.966966	2.418014
Co (230.786 nm)	4.888264	ppm	0.042460	0.87	19204.336077	4.888264
Cr (267.716 nm)	4.861577	ppm	0.037049	0.76	67330.351307	4.861577
Cu (327.395 nm)	4.983363	ppm	0.045151	0.91	80088.287360	4.983363
Fe (238.204 nm)	10.056460	ppm	0.074469	0.74	138761.413899	10.056460
K (766.491 nm)	23.816784	ppm	0.221150	0.93	760568.312044	23.816784
Mg (279.800 nm)	48.576419	ppm	0.394783	0.81	36644.215976	48.576419
Mn (257.610 nm)	4.967638	ppm	0.038009	0.77	627228.021288	4.967638
Mo (202.032 nm)	5.016701	ppm	0.043743	0.87	12033.008279	5.016701
Na (589.592 nm)	48.715380	ppm	0.367230	0.75	7431948.450683	48.715380
Ni (231.604 nm)	4.978252	ppm	0.050219	1.01	5852.172637	4.978252
Pb (220.353 nm)	4.773100	ppm	0.049371	1.03	4426.261835	4.773100
Sb (217.582 nm)	4.893339	ppm	0.043217	0.88	1561.550210	4.893339
Se (196.026 nm)	4.802410	ppm	0.047965	1.00	1563.839118	4.802410
Tl (351.923 nm)	5.058104	ppm	0.046897	0.93	3457.321457	5.058104
V (292.401 nm)	4.985225	ppm	0.042401	0.85	65786.751383	4.985225
Zn (213.857 nm)	5.081296	ppm	0.044475	0.88	59212.144412	5.081296

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: SEQ-CCB1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
SEQ-CCB1	12/7/2023 4:53:44 PM	S1:4	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.007785 !	ppm	0.002631	33.79	160.210156 !	0.007785 !
Al (237.312 nm)	0.000443 !u	ppm	0.002078	> 100.00	3.454560 !	0.000443 !u
As (193.696 nm)	0.001880 !u	ppm	0.002915	> 100.00	2.831875 !	0.001880 !u
Ba (493.408 nm)	0.000131 !	ppm	0.000035	26.60	447.461555 !	0.000131 !
Be (313.042 nm)	0.000005 !u	ppm	0.000012	> 100.00	122.677653 !	0.000005 !u
Ca (317.933 nm)	-0.011184 !u	ppm	0.000475	4.25	5107.011648 !	-0.011184 !u
Cd (214.439 nm)	0.000032 !u	ppm	0.000157	> 100.00	2.186519 !	0.000032 !u
Co (230.786 nm)	0.000195 !u	ppm	0.000380	> 100.00	6.134692 !	0.000195 !u
Cr (267.716 nm)	-0.000368 !u	ppm	0.000254	69.03	0.559217 !	-0.000368 !u
Cu (327.395 nm)	-0.000053 !u	ppm	0.000454	> 100.00	13.203246 !	-0.000053 !u
Fe (238.204 nm)	0.000045 !u	ppm	0.000151	> 100.00	14.185829 !	0.000045 !u
K (766.491 nm)	-0.004631 !u	ppm	0.000473	10.21	-33.927858 !	-0.004631 !u
Mg (279.800 nm)	0.000203 !u	ppm	0.001264	> 100.00	5.563128 !	0.000203 !u
Mn (257.610 nm)	0.000072 !	ppm	0.000024	34.07	25.435446 !	0.000072 !
Mo (202.032 nm)	-0.000273 !u	ppm	0.000308	> 100.00	3.736659 !	-0.000273 !u
Na (589.592 nm)	-0.004005 !u	ppm	0.000117	2.91	1775.971908 !	-0.004005 !u
Ni (231.604 nm)	0.000009 !u	ppm	0.000706	> 100.00	0.986966 !	0.000009 !u
Pb (220.353 nm)	-0.002662 !u	ppm	0.002575	96.74	3.901000 !	-0.002662 !u
Sb (217.582 nm)	-0.001689 !u	ppm	0.004685	> 100.00	1.637267 !	-0.001689 !u
Se (196.026 nm)	0.000179 !u	ppm	0.007772	> 100.00	3.423932 !	0.000179 !u
Tl (351.923 nm)	-0.001199 !u	ppm	0.004428	> 100.00	-1.449708 !	-0.001199 !u
V (292.401 nm)	0.000179 !u	ppm	0.000600	> 100.00	46.435652 !	0.000179 !u
Zn (213.857 nm)	0.000551 !	ppm	0.000101	18.29	22.337282 !	0.000551 !

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349113-MS1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349113-MS1	12/7/2023 2:46:40 PM	1:41	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.500676	ppm	0.000974	0.19	9899.881494	0.500676
Al (237.312 nm)	7.874624	ppm	0.008095	0.10	8713.947683	7.874624
As (193.696 nm)	1.956767	ppm	0.003117	0.16	747.591101	1.956767
Ba (493.408 nm)	2.066099	ppm	0.003019	0.15	1545439.331127	2.066099
Be (313.042 nm)	1.952709	ppm	0.005844	0.30	1710159.927909	1.952709
Ca (317.933 nm)	24.373257	ppm	0.057870	0.24	393856.721470	24.373257
Cd (214.439 nm)	1.944694	ppm	0.002265	0.12	13293.849638	1.944694
Co (230.786 nm)	1.967132	ppm	0.001924	0.10	7731.404208	1.967132
Cr (267.716 nm)	1.930841	ppm	0.002566	0.13	26744.568704	1.930841
Cu (327.395 nm)	1.930674	ppm	0.002101	0.11	31036.728633	1.930674
Fe (238.204 nm)	8.117794	ppm	0.032639	0.40	112013.868226	8.117794
K (766.491 nm)	9.474999	ppm	0.020200	0.21	302644.500435	9.474999
Mg (279.800 nm)	20.299687	ppm	0.024805	0.12	15316.467005	20.299687
Mn (257.610 nm)	2.004613	ppm	0.002107	0.11	253117.814632	2.004613
Mo (202.032 nm)	1.944208	ppm	0.002709	0.14	4666.046902	1.944208
Na (589.592 nm)	12.157046	ppm	0.028315	0.23	1856452.626671	12.157046
Ni (231.604 nm)	2.001151	ppm	0.005822	0.29	2353.031675	2.001151
Pb (220.353 nm)	1.901604	ppm	0.009214	0.48	1767.253581	1.901604
Sb (217.582 nm)	1.984645	ppm	0.008105	0.41	634.628229	1.984645
Se (196.026 nm)	1.995757	ppm	0.011279	0.57	651.858152	1.995757
Tl (351.923 nm)	2.022879	ppm	0.018067	0.89	1382.302604	2.022879
V (292.401 nm)	1.968037	ppm	0.002337	0.12	25997.576376	1.968037
Zn (213.857 nm)	2.072398	ppm	0.004301	0.21	24159.001511	2.072398

Test Report

120723_metals.esws



Agilent Technologies

Solution Name: B349113-MSD1

Solution Name	Date	Rack:Tube	Weight (g)	Volume (mL)	Dilution
B349113-MSD1	12/7/2023 2:49:52 PM	1:42	1	1	1

Label	Solution Concentration	Unit	Conc SD	Conc %RSD	Intensity (c/s)	Adjusted Concentration
Ag (328.068 nm)	0.501936	ppm	0.000843	0.17	9924.789855	0.501936
Al (237.312 nm)	7.888470	ppm	0.015268	0.19	8729.264213	7.888470
As (193.696 nm)	1.966254	ppm	0.016370	0.83	751.205422	1.966254
Ba (493.408 nm)	2.071699	ppm	0.003837	0.19	1549627.515974	2.071699
Be (313.042 nm)	1.960602	ppm	0.003967	0.20	1717072.264720	1.960602
Ca (317.933 nm)	24.209606	ppm	0.075141	0.31	391247.698224	24.209606
Cd (214.439 nm)	1.949158	ppm	0.004047	0.21	13324.357969	1.949158
Co (230.786 nm)	1.967809	ppm	0.002419	0.12	7734.061321	1.967809
Cr (267.716 nm)	1.932501	ppm	0.003974	0.21	26767.556240	1.932501
Cu (327.395 nm)	1.936689	ppm	0.004124	0.21	31133.372214	1.936689
Fe (238.204 nm)	8.107101	ppm	0.041056	0.51	111866.330662	8.107101
K (766.491 nm)	9.446831	ppm	0.018503	0.20	301745.088842	9.446831
Mg (279.800 nm)	20.273664	ppm	0.030117	0.15	15296.838780	20.273664
Mn (257.610 nm)	2.008291	ppm	0.003846	0.19	253582.191318	2.008291
Mo (202.032 nm)	1.946941	ppm	0.001829	0.09	4672.600967	1.946941
Na (589.592 nm)	11.985769	ppm	0.035198	0.29	1830331.230487	11.985769
Ni (231.604 nm)	2.011520	ppm	0.003413	0.17	2365.219712	2.011520
Pb (220.353 nm)	1.905940	ppm	0.006590	0.35	1771.268638	1.905940
Sb (217.582 nm)	1.994850	ppm	0.009465	0.47	637.880327	1.994850
Se (196.026 nm)	1.998685	ppm	0.006369	0.32	652.809495	1.998685
Tl (351.923 nm)	2.025302	ppm	0.018069	0.89	1383.959256	2.025302
V (292.401 nm)	1.970424	ppm	0.003396	0.17	26029.053578	1.970424
Zn (213.857 nm)	2.079679	ppm	0.004757	0.23	24243.824446	2.079679



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NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

EPA 7196 A



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 7196 A
Batch:	B349055	Preparation:	No Prep Metals
% Solids:		Laboratory ID:	B349055-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Hexavalent Chromium	0.500	ND	0.520	104	85 - 115

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	RPD	QC LIMITS REC.
Hexavalent Chromium	0.500	0.513	103	1	20	85 - 115



3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 7196 A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	No Prep Metals
Batch:	B349055	Laboratory ID:	B349055-BS1
Column:		Initial/Final:	25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Hexavalent Chromium	0.500	0.486	97	85 - 115



PREPARATION BATCH SUMMARY

EPA 7196 A

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Batch: B349055 Batch Matrix: Non-Potable Water Preparation: No Prep Metals

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-3A	3120104-01	12/05/23 08:47	25.00	25.00
MW-6AR	3120104-04	12/05/23 08:47	25.00	25.00
MW-7A	3120104-05	12/05/23 08:47	25.00	25.00
MW-7B	3120104-06	12/05/23 08:47	25.00	25.00
MW-7C	3120104-07	12/05/23 08:47	25.00	25.00
DUP	3120104-08	12/05/23 08:47	25.00	25.00
EQ Blank	3120104-09	12/05/23 08:47	25.00	25.00
Blank	B349055-BLK1	12/05/23 08:47	25.00	25.00
LCS	B349055-BS1	12/05/23 08:47	25.00	25.00
MW-3A	B349055-MS1	12/05/23 08:47	25.00	25.00
MW-3A	B349055-MSD1	12/05/23 08:47	25.00	25.00

Hexavalent Chromium Prep Sheet

Date of Curve Calibration: 10/4/23
Date/Time of Analysis: 12/5/23
Date/Time of Digestion: _____

Batch# B349055
Matrix: NPW
Analyst Initials: JM

Spec ID: UV-1600PC
pH @ Acidification pH Meter # _____
pH @ Colorization Test Strips Lot# _____

Lab ID #:	Sample Weight, g	Sample Volume, ml	Second D.F. Dilution	Absorbance Reading	Cr(VI), mg/L, "Initial Result"	pH @ Acidification	pH @ Colorization
3/20104-01		25	1	.0021	0		2
-02				.0019			
-03				.0022			
-04				.0032			
-05				.0037	↓		
-06				.0122	.003		
-07				.0027	0		
-08				.0021			
-09				.0053			
3/20115-01				.0026			
-02				.0039			
-03				.0027			
-04				.0051	↓		

QC for All Matrices

Blank		25	1	.0005	0		2
Reference		25	1	.3953	1.486		2

QC for Non-Potable Water Samples

MS1		25	1	.4216	.520		2
MSD1		25	1	.4165	.513		2

QC for Solid Waste Samples

UP							
MS1							
MS2							
Post Spike							

QC Summary

QC Summary	Lot #	True Value	Actual Value	% Recovery	Acceptance Criteria		
Blank		<DL	0		<DL		
CV1		0.5	.492	98	90-110%		P
CV2		0.5	.500	100	90-110%		
CV3		0.5			90-110%		
Reference			.486	97	90-110%		
MS1			.520	104	85-115%		
MSD (for NPW only)			.513	103	RPD <20%		↓
MS2 (for SW only)					85-115%		
UP (for SW only)					RPD <20%		
Post Spike (for SW only)					85-115%		



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NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

SM 4500-CN E-2011



MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	SM 4500-CN E-2011
Batch:	B349023	Preparation:	Distillation Prep
% Solids:		Laboratory ID:	B349023-MS1
Column:		Sample Lab ID:	3113002-03

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Cyanide	0.0400	ND	0.0151	38	* 55.74 - 118.43

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	RPD	QC LIMITS REC.
Cyanide	0.0400	0.0149	37	1	20	55.74 - 118.43



3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SM 4500-CN E-2011

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	Distillation Prep
Batch:	B349023	Laboratory ID:	B349023-BS1
Column:		Initial/Final:	500 mL / 500 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Cyanide	0.0400	0.0345	86	75 - 125



PREPARATION BATCH SUMMARY

SM 4500-CN E-2011

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Batch: B349023 Batch Matrix: Non-Potable Water Preparation: Distillation Prep

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
MW-3A	3120104-01	12/04/23 10:30	500.00	500.00
MW-6AR	3120104-04	12/04/23 10:30	500.00	500.00
MW-7A	3120104-05	12/04/23 10:30	500.00	500.00
MW-7B	3120104-06	12/04/23 10:30	500.00	500.00
MW-7C	3120104-07	12/04/23 10:30	500.00	500.00
DUP	3120104-08	12/04/23 10:30	500.00	500.00
EQ Blank	3120104-09	12/04/23 10:30	500.00	500.00
Blank	B349023-BLK1	12/04/23 10:30	500.00	500.00
LCS	B349023-BS1	12/04/23 10:30	500.00	500.00
Matrix Spike	B349023-MS1	12/04/23 10:30	500.00	500.00
Matrix Spike Dup	B349023-MSD1	12/04/23 10:30	500.00	500.00

CN- Spectrophotometer Analysis

General Information

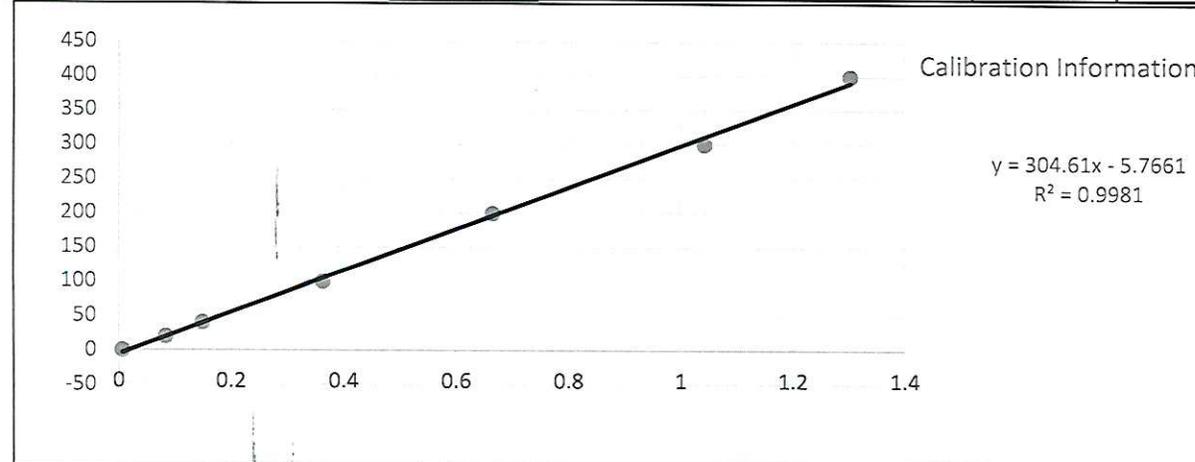
Batch:	B349023	Spec ID:	UV-1600PC	Correlation	0.999045
Matrix:	NPW	Analysis Date:	12/5/2023	Calibration Date:	10/31/2023
Initials:	JM	CCV Element ID:	2305596	ICV Element ID:	2305118

Batch QC and Sample Information

Sample Element ID #:	Absorbance from Spec	Conc. of Extract, ppb	Distillation		Colometric Analysis		Limit/MDL	Total CN-, ppm	
			Initial Vol.	Final Vol.	Initial Vol.	Final Vol.			
IBL	IBL	0	50	50	25	50	0.003	0.003	
CCV1	CCV1	0.1557	47.42732	50	50	25	50	PASS	0.09485
BLK1	BLK1	0.0014	0.42645	500	250	25	50	0.003	0.003
BS1	BS1	0.1133	34.51198	500	250	25	50	0.003	0.03451
MS1	MS1	0.0495	15.07805	500	250	25	50	0.003	0.01508
MSD1	MSD1	0.0489	14.89529	500	250	25	50	0.003	0.0149
1	3113002-01	0.0087	2.650082	500	250	25	50	0.003	0.003
2	3113002-02	0.0088	2.680542	500	250	25	50	0.003	0.003
3	3113002-03	0.0101	3.076532	500	250	25	50	0.003	0.00308
4	3113002-04	0.0091	2.771924	500	250	25	50	0.003	0.003
5	3113002-05	0.0093	2.832846	500	250	25	50	0.003	0.003
6	3113002-07	0.0101	3.076532	500	250	25	50	0.003	0.00308
7	3120104-01	0.0108	3.289757	500	250	25	50	0.003	0.00329
8	3120104-02	0.011	3.350678	500	250	25	50	0.003	0.00335
CCV2	CCV2	0.1495	45.53876	50	50	25	50	PASS	0.09108

Calibration Information

Cal0	True Conc. ppb (in flask)	True Conc. ppb (in cuvette)	Absorbance from Spec	Conc. of Extract, ppb	Colometric Analysis		Total CN-, ppm	Percent Recovery	Recovery P/F
					Initial Vol.	Final Vol.			
Cal0	0	0	0.0066	2.010407	25	50	1.005203	N/A	
Cal1	40	20	0.0836	25.46515	25	50	50.9303	127.3258	
Cal2	80	40	0.1492	45.44738	25	50	90.89475	113.6184	
Cal3	200	100	0.3633	110.6638	25	50	221.3275	110.6638	
Cal4	400	200	0.6649	202.5333	25	50	405.0665	101.2666	
Cal5	600	300	1.0425	317.5529	25	50	635.1058	105.851	
Cal6	800	400	1.3023	396.6898	25	50	793.3796	99.17245	
ICV	400	200	0.6751	205.6402	25	50	411.2805	102.8201	
LDR1	880	440		0	25	50	0	0	
LDR2	960	480		0	25	50	0	0	



SLOPE 304.6070863

CN- Spectrophotometer Analysis

General Information

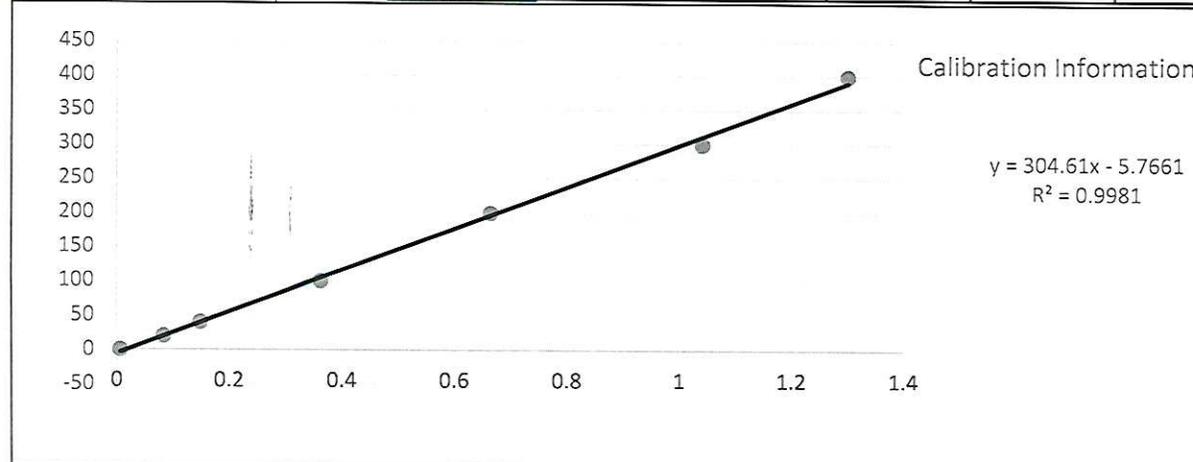
Batch:	B349023	Spec ID:	UV-1600PC	Correlation	0.999045
Matrix:	NPW	Analysis Date:	12/5/2023	Calibration Date:	10/31/2023
Initials:	JM	CCV Element ID:	2305596	ICV Element ID:	2305118

Batch QC and Sample Information

Sample Element ID #:	Absorbance from Spec	Conc. of Extract, ppb	Distillation		Colometric Analysis		Limit/MDL	Total CN-, ppm	
			Initial Vol.	Final Vol.	Initial Vol.	Final Vol.			
IBL	IBL	0	0	50	50	25	50	0.003	0.003
CCV1	CCV1	0.1557	47.42732	50	50	25	50	PASS	0.09485
BLK1	BLK1	0.0014	0.42645	500	250	25	50	0.003	0.003
BS1	BS1	0.1133	34.51198	500	250	25	50	0.003	0.03451
MS1	MS1	0.0495	15.07805	500	250	25	50	0.003	0.01508
MSD1	MSD1	0.0489	14.89529	500	250	25	50	0.003	0.0149
1	3120104-03	0.0108	3.289757	500	250	25	50	0.003	0.00329
2	3120104-04	0.0104	3.167914	500	250	25	50	0.003	0.00317
3	3120104-05	0.0113	3.44206	500	250	25	50	0.003	0.00344
4	3120104-06	0.0111	3.381139	500	250	25	50	0.003	0.00338
5	3120104-07	0.0114	3.472521	500	250	25	50	0.003	0.00347
6	3120104-08	0.0115	3.502981	500	250	25	50	0.003	0.0035
7	3120104-09	0.0059	1.797182	500	250	25	50	0.003	0.003
8			0	500	250	25	50	0.003	0.003
CCV2	CCV2	0.1495	45.53876	50	50	25	50	PASS	0.09108

Calibration Information

Cal0	True Conc. ppb (in flask)	True Conc. ppb (in cuvette)	Absorbance from Spec	Conc. of Extract, ppb	Colometric Analysis		Total CN-, ppm	Percent Recovery	Recovery P/F
					Initial Vol.	Final Vol.			
Cal0	0	0	0.0066	2.010407	25	50	1.005203	N/A	
Cal1	40	20	0.0836	25.46515	25	50	50.9303	127.3258	
Cal2	80	40	0.1492	45.44738	25	50	90.89475	113.6184	
Cal3	200	100	0.3633	110.6638	25	50	221.3275	110.6638	
Cal4	400	200	0.6649	202.5333	25	50	405.0665	101.2666	
Cal5	600	300	1.0425	317.5529	25	50	635.1058	105.851	
Cal6	800	400	1.3023	396.6898	25	50	793.3796	99.17245	
ICV	400	200	0.6751	205.6402	25	50	411.2805	102.8201	
LDR1	880	440		0	25	50	0	0	
LDR2	960	480		0	25	50	0	0	



SLOPE 304.6070863



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NJDEP# NY012
PADEP# 68-2943

Wet Chemistry



SAMPLE DATA



ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
Sampled:	11/30/23 09:25	Method:	Calculation
% Solids:	0.00	Dilution:	4

CAS NO.	Analyte	Concentration (mg/L)	Q
NA	Total Nitrogen	1.80	U
NA	Ammonia as N	1.15	U
24959-67-9	Bromide	0.400	U
184-96-258	Sulfide	2.00	U
NA	Total Alkalinity	9.50	
NA	Total Dissolved Solids	47.0	
NA	Total Kjeldahl Nitrogen	1.70	
16887-00-6	Chloride	7.19	D
20461-54-5	Iodide	2.00	U
16984-48-8	Fluoride	0.400	U
NA	Nitrate as N	0.40	U
NA	Nitrite as N	0.40	U
1426-54-42	Orthophosphate as P	0.100	U
148-08-798	Sulfate as SO4	5.77	D



ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
Sampled:	11/30/23 15:10	Method:	Calculation
% Solids:	0.00	Dilution:	4

CAS NO.	Analyte	Concentration (mg/L)	Q
NA	Total Nitrogen	1.80	U
NA	Ammonia as N	1.15	U
24959-67-9	Bromide	0.400	U
184-96-258	Sulfide	2.00	U
NA	Total Alkalinity	64.0	
NA	Total Dissolved Solids	506	
NA	Total Kjeldahl Nitrogen	1.00	U
16887-00-6	Chloride	21.2	D
20461-54-5	Iodide	2.00	U
16984-48-8	Fluoride	0.400	U
NA	Nitrate as N	0.40	U
NA	Nitrite as N	0.40	U
1426-54-42	Orthophosphate as P	0.100	U
148-08-798	Sulfate as SO4	20.7	D



ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
Sampled:	11/30/23 11:40	Method:	Calculation
% Solids:	0.00	Dilution:	4

CAS NO.	Analyte	Concentration (mg/L)	Q
NA	Total Nitrogen	1.80	U
NA	Ammonia as N	1.11	U
24959-67-9	Bromide	0.400	U
184-96-258	Sulfide	2.00	U
NA	Total Alkalinity	46.0	
NA	Total Dissolved Solids	115	
NA	Total Kjeldahl Nitrogen	1.00	U
16887-00-6	Chloride	18.0	D
20461-54-5	Iodide	2.00	U
16984-48-8	Fluoride	0.400	U
NA	Nitrate as N	0.40	U
NA	Nitrite as N	0.40	U
1426-54-42	Orthophosphate as P	0.100	U
148-08-798	Sulfate as SO ₄	28.6	D



ANALYSIS DATA SHEET

MW-7B

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-06
Sampled:	11/30/23 13:35	Method:	Calculation
% Solids:	0.00	Dilution:	4

CAS NO.	Analyte	Concentration (mg/L)	Q
NA	Total Nitrogen	1.80	U
NA	Ammonia as N	1.19	U
24959-67-9	Bromide	0.400	U
184-96-258	Sulfide	2.00	U
NA	Total Alkalinity	57.5	
NA	Total Dissolved Solids	132	
NA	Total Kjeldahl Nitrogen	1.00	U
16887-00-6	Chloride	20.8	D
20461-54-5	Iodide	2.00	U
16984-48-8	Fluoride	0.400	U
NA	Nitrate as N	0.80	D
NA	Nitrite as N	0.40	U
1426-54-42	Orthophosphate as P	0.100	U
148-08-798	Sulfate as SO4	22.0	D



ANALYSIS DATA SHEET

MW-7C

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-07
Sampled:	11/30/23 11:14	Method:	Calculation
% Solids:	0.00	Dilution:	4

CAS NO.	Analyte	Concentration (mg/L)	Q
NA	Total Nitrogen	2.88	D
NA	Ammonia as N	1.13	U
24959-67-9	Bromide	0.400	U
184-96-258	Sulfide	2.00	U
NA	Total Alkalinity	11.5	
NA	Total Dissolved Solids	90.0	
NA	Total Kjeldahl Nitrogen	1.00	U
16887-00-6	Chloride	23.7	D
20461-54-5	Iodide	2.00	U
16984-48-8	Fluoride	0.400	U
NA	Nitrate as N	2.88	D
NA	Nitrite as N	0.40	U
1426-54-42	Orthophosphate as P	0.100	U
148-08-798	Sulfate as SO ₄	15.3	D



ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Analysis
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
Sampled:	11/30/23 00:00	Method:	Calculation
% Solids:	0.00	Dilution:	4

CAS NO.	Analyte	Concentration (mg/L)	Q
NA	Total Nitrogen	3.05	D
NA	Ammonia as N	1.19	U
24959-67-9	Bromide	0.400	U
184-96-258	Sulfide	2.00	U
NA	Total Alkalinity	10.0	
NA	Total Dissolved Solids	92.0	
NA	Total Kjeldahl Nitrogen	1.00	U
16887-00-6	Chloride	23.7	D
20461-54-5	Iodide	2.00	U
16984-48-8	Fluoride	0.400	U
NA	Nitrate as N	3.05	D
NA	Nitrite as N	0.40	U
1426-54-42	Orthophosphate as P	0.100	U
148-08-798	Sulfate as SO4	15.6	D

PREPARATION BENCH SHEET

Prepared: 12/04/2023 12:21

B349031

Printed: 12/4/2023 12:22:16PM

Long Island Analytical Laboratories, Inc.

Matrix: Non-Potable Water

Prepared using: Wet Chem - No Preparation

Sample ID	Sample ID and Source Sample	AMT DIGESTED			Final Vol (mL)	Due Date	Spike Amount uL		Comments	pH c
		mL	g	L			1	2		
3120104-01	MW-3A	200			200	12/07/2023			Ranco Sand & Stone Corporation	1.7 1.9 VEL
3120104-04	MW-6AR	200			200	12/07/2023			Ranco Sand & Stone Corporation	12.8
3120104-05	MW-7A	200			200	12/07/2023			Ranco Sand & Stone Corporation	4.4 9.2 VEL
3120104-06	MW-7B	200			200	12/07/2023			Ranco Sand & Stone Corporation	2.3 11.5 VEL
3120104-07	MW-7C	200			200	12/07/2023			Ranco Sand & Stone Corporation	2.0 2.3 VEL
3120104-08	DUP	200			200	12/07/2023			Ranco Sand & Stone Corporation	49.2 2.0 VEL
3120109-01	958 Sea View Drive Oyster Bay	200			200	12/07/2023			Precision Testing	49.2
B349031-BLK1	Blank	200			200					1.2
B349031-DUP1	Duplicate [3120104-01]	200			200					1.8
B349031-SRM1	Reference	200			200			100000		4.2

Standard(s): 2305415 Alkalinity Reference	100000 t
--	----------

Standard ID#	Description	Manufacture Lot#
2303064	Alkalinity Bromescol Green Methyl	A3137
2303975	0.02 N Sulfuric Acid	226607
2304271	pH Strips 1-14	6306004

VEL

12/4/23

R NP 12/4/23

PREPARATION BENCH SHEET

B349011

Long Island Analytical Laboratories, Inc.

Prepared using: Wet Chem - SM4500-Norg B

rinted: 12/4/2023 9:14:51AM

Matrix: Non-Potable Water

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
3120103-01 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Cornell Cooperative Extension Of Suffolk		0.2	0.1 | 0.0
3120103-02 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Cornell Cooperative Extension Of Suffolk		0.3	0.1 | 0.0
3120103-03 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Cornell Cooperative Extension Of Suffolk		0.4	0.1 | 0.0
3120103-04 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Cornell Cooperative Extension Of Suffolk		0.4	0.1 | 0.0
3120103-05 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Cornell Cooperative Extension Of Suffolk		0.5	0.1 | 0.0
3120103-06 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Cornell Cooperative Extension Of Suffolk		0.5	0.1 | 0.0
3120103-07 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Cornell Cooperative Extension Of Suffolk		0.5	0.1 | 0.0
3120104-01 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Ranco Sand & Stone Corporation		0.9	0.1 | 0.0
3120104-04 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Ranco Sand & Stone Corporation		0.3	0.1 | 0.0
3120104-05 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Ranco Sand & Stone Corporation		0.3	0.1 | 0.0
3120104-06 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Ranco Sand & Stone Corporation		0.2	0.1 | 0.0
3120104-07 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Ranco Sand & Stone Corporation		0.4	0.1 | 0.0
3120104-08 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Ranco Sand & Stone Corporation		0.4	0.1 | 0.0
3120109-01 Total Kjeldahl Nitrogen (	12/04/2023 09:13	140	140	Precision Testing	R NP 12/6/23	29.6	0.1 | 0.0

Spiking Witnessed By _____ Date _____

Preparation Reviewed By _____ Date _____

Extracts Received By _____ Date _____

PREPARATION BENCH SHEET

B349011

Long Island Analytical Laboratories, Inc.

Prepared using: Wet Chem - SM4500-Norg B

rinted: 12/4/2023 9:14:51AM

Matrix: Non-Potable Water

Lab Number	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
3120110-01 <i>Total Kjeldahl Nitrogen (</i>	12/04/2023 09:13	140	140	---	Mid Island Environmental	---	0.8 | 0.1 | 0.0
3120110-02 <i>Total Kjeldahl Nitrogen (</i>	12/04/2023 09:13	140	140		Mid Island Environmental		1.4 | 0.1 | 0.0
3120114-01 <i>Total Kjeldahl Nitrogen (</i>	12/04/2023 09:13	140	140		Cornell Cooperative Extension Of Suffolk		0.3 | 0.1 | 0.0
3120114-02 <i>Total Kjeldahl Nitrogen (</i>	12/04/2023 09:13	140	140		Cornell Cooperative Extension Of Suffolk		0.5 | 0.1 | 0.0
3120114-03 <i>Total Kjeldahl Nitrogen (</i>	12/04/2023 09:13	140	140		Cornell Cooperative Extension Of Suffolk		0.4 | 0.1 | 0.0
3120114-04 <i>Total Kjeldahl Nitrogen (</i>	12/04/2023 09:13	140	140		Cornell Cooperative Extension Of Suffolk		0.6 | 0.1 | 0.0
B349011-BLK1	12/04/2023 09:13	140	140				0.2 | — | —
B349011-MS1	12/04/2023 09:13	140	140	2305368	3120114-04	700	3.1 | 0.1 | 0.0
B349011-MSD1	12/04/2023 09:13	140	140	2305368	3120114-04	700	3.1 | 0.1 | 0.0
B349011-SRM1	12/04/2023 09:13	140	140	2305020		70000	2.6 | — | —

MCS
12/4/23

Spiking Witnessed By _____ Date _____

Preparation Reviewed By _____ Date _____

Extracts Received By _____ Date _____

PREPARATION BENCH SHEET

B349063

Long Island Analytical Laboratories, Inc.

Prepared using: Wet Chem - SM4500-NH3 B-97,-11

rinted: 12/5/2023 9:04:15AM

Matrix: Non-Potable Water

Lab Number	Prepared	Initial (mL)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
3112720-05 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	H2M Architects + Engineers		0.2	0.1 | 0.0
3112720-06 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	H2M Architects + Engineers		0.3	0.1 | 0.0
3120103-01 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	Cornell Cooperative Extension Of Suffolk		0.2	0.1 | 0.0
3120103-02 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	Cornell Cooperative Extension Of Suffolk		0.2	0.1 | 0.0
3120103-03 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	Cornell Cooperative Extension Of Suffolk		0.2	0.1 | 0.0
3120103-04 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	Cornell Cooperative Extension Of Suffolk		0.4	0.1 | 0.0
3120103-05 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	Cornell Cooperative Extension Of Suffolk		0.2	0.1 | 0.0
3120103-06 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	Cornell Cooperative Extension Of Suffolk		0.3	0.1 | 0.0
3120103-07 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140	Cornell Cooperative Extension Of Suffolk		0.3	0.1 | 0.0
3120104-01 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 122	140	Ranco Sand & Stone Corporation		0.4	0.1 | 0.0
3120104-04 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 122	140	Ranco Sand & Stone Corporation		0.3	0.1 | 0.0
3120104-05 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 126	140	Ranco Sand & Stone Corporation		0.4	0.1 | 0.0
3120104-06 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 118	140	Ranco Sand & Stone Corporation		0.3	0.1 | 0.0
3120104-07 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 124	140	Ranco Sand & Stone Corporation		0.3	0.1 | 0.0

R NP 12/6/23

Spiking Witnessed By _____ Date _____

Preparation Reviewed By _____ Date _____

Extracts Received By _____ Date _____

PREPARATION BENCH SHEET

B349063

Long Island Analytical Laboratories, Inc.

Matrix: Non-Potable Water

Prepared using: Wet Chem - SM4500-NH3 B-97,-11

Printed: 12/5/2023 9:04:15AM

Lab Number	Prepared	Initial (mL)	Final (ml)	Spike ID	Source ID	ul Spike	Comments	
3120104-08 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 118	140		Ranco Sand & Stone Corporation	0.1	0.1 | 0.0	
3120109-01 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 70	140		Precision Testing	26.0	0.1 | 0.0	
3120110-01 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 114	140		Mid Island Environmental	0.3	0.1 | 0.0	
3120110-02 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140 116	140		Mid Island Environmental	0.4	0.1 | 0.0	
3120114-01 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140		Cornell Cooperative Extension Of Suffolk	0.3	0.1 | 0.0	
3120114-02 <i>Ammonia (as N) Analysis</i>	12/05/2023 09:02	140	140		Cornell Cooperative Extension Of Suffolk	0.2	0.1 | 0.0	
B349063-BLK1	12/05/2023 09:02	140	140			0.2	- | -	
B349063-MS1	12/05/2023 09:02	140	140	2305368	3120114-02	700	2.7	0.1 | 0.0
B349063-MSD1	12/05/2023 09:02	140	140	2305368	3120114-02	700	2.9	0.1 | 0.0
B349063-SRM1	12/05/2023 09:02	140	140	2303959		70000	4.3	- | -

MLJ
12/5/23

Spiking Witnessed By _____ Date _____

Preparation Reviewed By _____ Date _____

Extracts Received By _____ Date _____

Total Dissolved Solids (TDS) by SM2540C

Analyst: DW

Oven ID: 1

Batch ID: B349111

Balance ID: 12

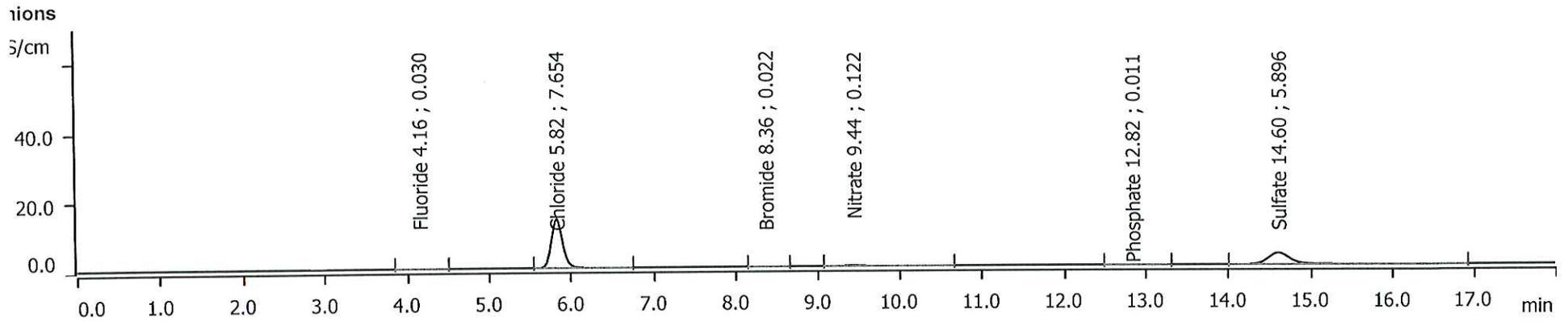
	Date/Time In@105° C	Temp In	Date/Time OUT@105° C	Temp Out	Date/Time IN@180° C	Temp In	Date/Time OUT@180° C	Temp Out	2-Date/Time IN@180° C	Temp In	2-Date/Time Out@180° C	Temp out
	12/6/24 12:10	105	12/6/24 14:45	105	12/6/24 17:10	180	12/7/24 9:15	180	12/7/24 11:10	180	12/7/24 12:40	180
A	B	C	D	E	F	G	H	I	J	K	L	M
Sample #	Client ID	Vol. (mL)	ID	Crucible Wt (g) #1	Crucible Wt (g) #2	Dried Wt (g)#1	Dried Wt (g)#2	Dried Wt (g)#3	Net Wt (g)	TDS (mg/L)	Residue Check <200mg	RPD <4%
B349111-BLK1	Blank	100.0000	RB	76.6872	76.6870	76.6872	76.6873		0.0003	3	<200mg	0.0001304
B349111-BLK2	Blank	100.0000	JO	91.3505	91.3508	91.3511	91.3509		0.0001	1	<200mg	0.000218936
B349111-SRM1	Reference	50.0000	JaK	82.2055	82.2053	82.2169	82.2173		0.0120	240	<200mg	0.000486517
B349111-SRM2	Reference	50.0000	47	73.9011	73.9010	73.9149	73.9151		0.0141	282	<200mg	0.000270581
3120101-01	MW 7A	100.0000	TR	85.0709	85.0707	85.0999	85.1001		0.0294	294	<200mg	0.000235018
3120101-02	MW 7B	100.0000	108	77.1505	77.1503	77.1662	77.1664		0.0161	161	<200mg	0.00025918
3120101-03	MW 6A	100.0000	St	85.4545	85.4543	85.4683	85.4686		0.0143	143	<200mg	0.000351007
3120101-04	MW 6B	100.0000	To	65.8328	65.8325	65.8441	65.8444		0.0119	119	<200mg	0.000455621
3120101-05	MW 10A	100.0000	TIK	85.4595	85.4597	85.4701	85.4703		0.0106	106	<200mg	0.000234
3120101-06	MW 10B	100.0000	FR	75.6612	75.6610	75.6748	75.6751		0.0141	141	<200mg	0.000396432
3120101-08	Equipment Blank	100.0000	4T	83.1853	83.1856	83.1853	83.1855		-0.0001	-1	<200mg	0.000240427
3120101-09	Equipment Blank	100.0000	P3	70.7227	70.7224	70.7229	70.7231		0.0007	7	<200mg	0.000282793
3120104-01	MW-3A	100.0000	VK	92.6660	92.6662	92.6706	92.6709		0.0047	47	<200mg	0.000323727
B349111-DUP1	3120104-01	100.0000	C7	70.5081	70.5081	70.5124	70.5126		0.0045	45	<200mg	0.000283638
3120104-04	MW-6AR	100.0000	An	87.0516	87.0152	87.0655	87.0658		0.0506	506	<200mg	0.000344568
3120104-05	MW-7A	100.0000	TB	80.8037	80.8040	80.8153	80.8155		0.0115	115	<200mg	0.000247478
3120104-06	MW-7B	100.0000	Sea	66.7360	66.7363	66.7492	66.7495		0.0132	132	<200mg	0.000449443
3120104-07	MW-7C	100.0000	FAL	91.0699	91.0695	91.0782	91.0785		0.0090	90	<200mg	0.000329387
3120104-08	DUP	100.0000	RD	74.4404	74.4400	74.4490	74.4492		0.0092	92	<200mg	0.00026864
B349111-DUP2	3120104-08	100.0000	R8	65.9019	65.9021	65.9111	65.9113		0.0092	92	<200mg	0.000303439
3120110-01	onington @ Port J	100.0000	Pit	75.7737	75.7739	75.7930	75.7933		0.0194	194	<200mg	0.000395814
3120110-02	averly Park Cond	100.0000	DB	81.6304	81.6302	81.6585	81.6588		0.0286	286	<200mg	0.000367383
3120115-01	MW 9A	100.0000	DC	86.4698	86.4699	86.4820	86.4823		0.0124	124	<200mg	0.000346892
3120115-02	MW 9B	100.0000	RK	94.6690	94.6689	94.6864	94.6866		0.0177	177	<200mg	0.000211223
3120115-03	MW 5A	100.0000	88	83.6921	83.6920	83.7089	83.7091		0.0171	171	<200mg	0.000238923
3120115-04	MW 5B	100.0000	33	94.2064	94.2066	94.2184	94.2186		0.0120	120	<200mg	0.000212273

Analyst Signature: _____

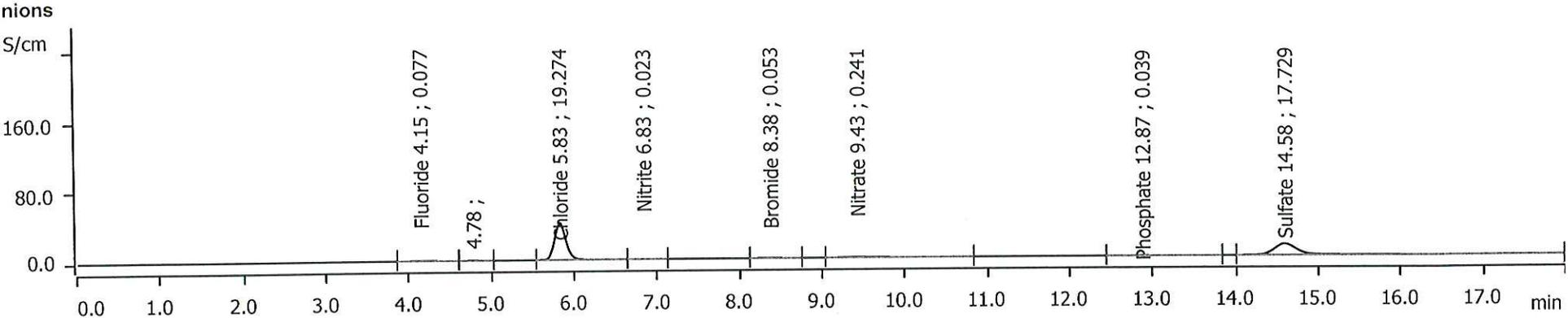
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Read and Understood By: _____

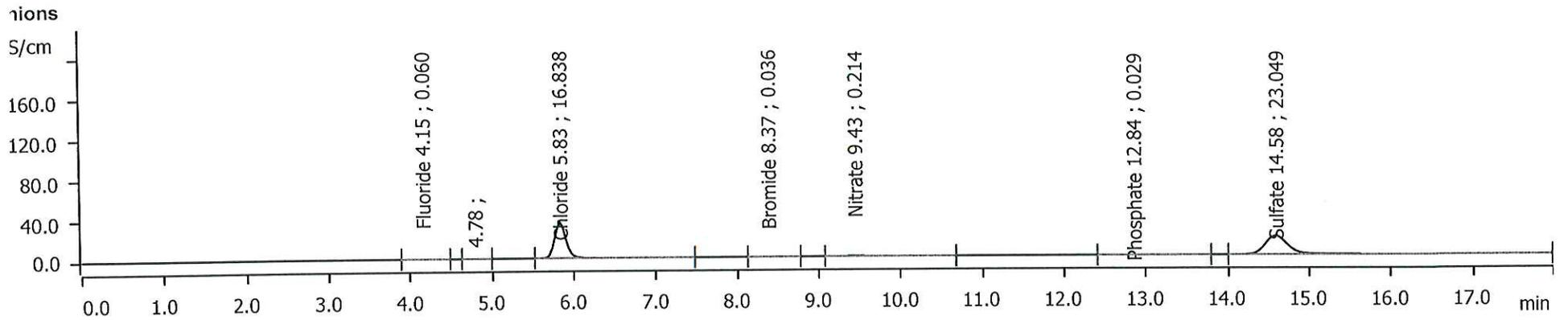
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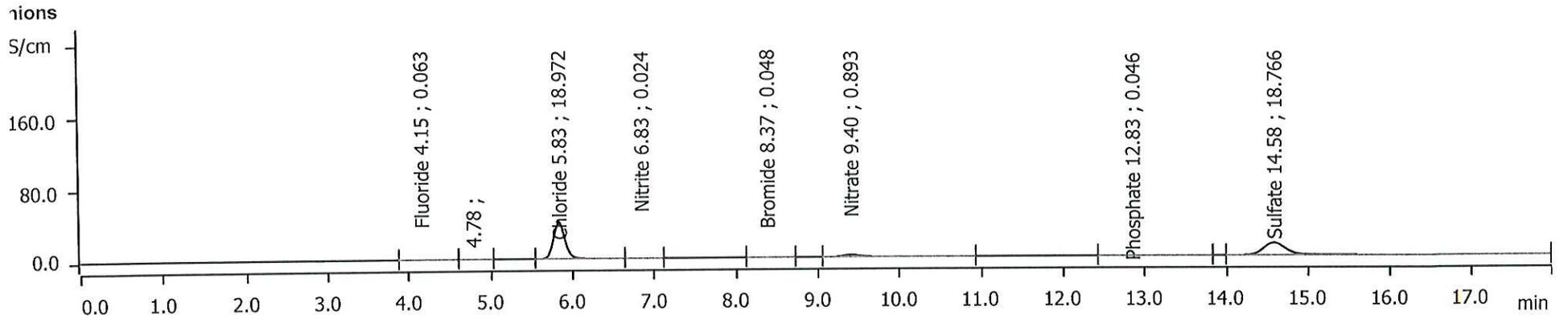
Component name	Retention time min	Area (µS/cm) x min	Concentration ppm	Standard concentration ppm	Concentration_On-Column ppm	Final Concentration ppm	Check Std Recovery %	Std Recovery %
Fluoride	4.16	0.007	0.030	0.030	0.030	0.030		
Chloride	5.82	2.189	7.654	7.654	7.654	7.654		
Bromide	8.36	0.001	0.022	0.022	0.022	0.022		
Nitrate	9.44	0.040	0.122	0.122	0.122	0.122		
Phosphate	12.82	0.001	0.011	0.011	0.011	0.011		
Sulfate	14.60	1.072	5.896	5.896	5.896	5.896		



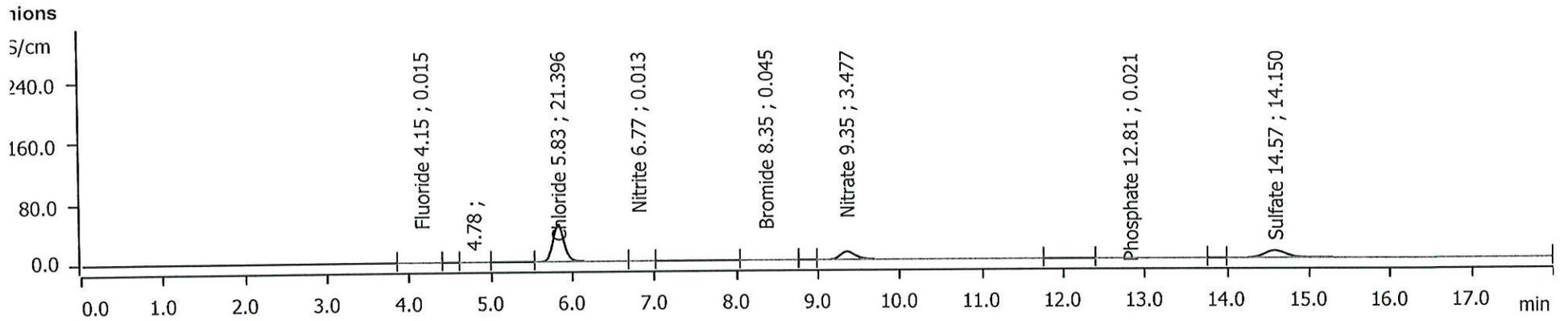
Component name	Retention time min	Area ($\mu\text{S/cm}$) x min	Concentration ppm	Standard concentration ppm	Concentration_On-Column ppm	Final Concentration ppm	Check Std Recovery %	Std Recovery %
Fluoride	4.15	0.024	0.077		0.077	0.077		
Chloride	5.83	6.752	19.274		19.274	19.274		
Nitrite	6.83	0.005	0.023		0.023	0.023		
Bromide	8.38	0.004	0.053		0.053	0.053		
Nitrate	9.43	0.115	0.241		0.241	0.241		
Phosphate	12.87	0.004	0.039		0.039	0.039		
Sulfate	14.58	4.360	17.729		17.729	17.729		



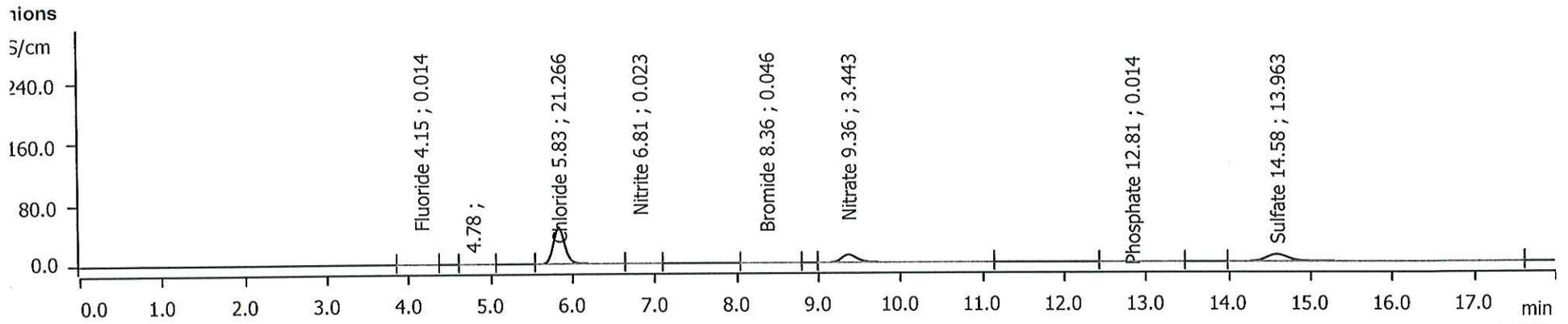
Component name	Retention time min	Area (µS/cm) x min	Concentration ppm	Standard concentration ppm	Concentration_On-Column ppm	Final Concentration ppm	Check Std Recovery %	Std Recovery %
Fluoride	4.15	0.018	0.060		0.060	0.060		
Chloride	5.83	5.674	16.838		16.838	16.838		
Bromide	8.37	0.002	0.036		0.036	0.036		
Nitrate	9.43	0.098	0.214		0.214	0.214		
Phosphate	12.84	0.003	0.029		0.029	0.029		
Sulfate	14.58	6.328	23.049		23.049	23.049		



Component name	Retention time min	Area (µS/cm) x min	Concentration ppm	Standard concentration	Concentration_On-Column ppm	Final Concentration ppm	Check Std Recovery %	Std Recovery %
Fluoride	4.15	0.019	0.063		0.063	0.063		
Chloride	5.83	6.615	18.972		18.972	18.972		
Nitrite	6.83	0.006	0.024		0.024	0.024		
Bromide	8.37	0.003	0.048		0.048	0.048		
Nitrate	9.40	0.530	0.893		0.893	0.893		
Phosphate	12.83	0.005	0.046		0.046	0.046		
Sulfate	14.58	4.720	18.766		18.766	18.766		



Component name	Retention time min	Area (µS/cm) x min	Concentration ppm	Standard concentration ppm	Concentration_On-Column ppm	Final Concentration ppm	Check Std Recovery %	Std Recovery %
Fluoride	4.15	0.002	0.015		0.015	0.015		
Chloride	5.83	7.744	21.396		21.396	21.396		
Nitrite	6.77	0.001	0.013		0.013	0.013		
Bromide	8.35	0.003	0.045		0.045	0.045		
Nitrate	9.35	2.294	3.477		3.477	3.477		
Phosphate	12.81	0.002	0.021		0.021	0.021		
Sulfate	14.57	3.207	14.150		14.150	14.150		



Component name	Retention time min	Area (µS/cm) x min	Concentration ppm	Standard concentration ppm	Concentration_On-Column ppm	Final Concentration ppm	Check Std Recovery %	Std Recovery %
Fluoride	4.15	0.002	0.014		0.014	0.014		
Chloride	5.83	7.681	21.266		21.266	21.266		
Nitrite	6.81	0.005	0.023		0.023	0.023		
Bromide	8.36	0.003	0.046		0.046	0.046		
Nitrate	9.36	2.270	3.443		3.443	3.443		
Phosphate	12.81	0.001	0.014		0.014	0.014		
Sulfate	14.58	3.151	13.963		13.963	13.963		



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

EPA 8270 E



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

QC SUMMARY



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8270 E

Laboratory: Long Island Analytical Laboratories, Inc. SDG: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Matrix: Non-Potable Water Instrument: ChemStation04

	2FP (12.7% -)	FBP (40.4% -)	NBZ (47.3% -)	PD6 (7.73% -)	TBP (38.5% -)	TP (45.7% -)
3120104-01	45	77	72	36	65	83
3120104-04	47	73	70	35	64	76
3120104-05	38	68	61	29	59	71
3120104-06	43	73	66	33	67	78
3120104-07	38	63	61	30	66	83
3120104-08	33	56	52	25	52	73
3120104-09	46	73	72	36	68	83
B349167-BLK1	53	67	61	45	61	69
B349167-BS1	62	77	70	57	77	86
B349167-MS1	60	76	71	56	77	82
B349167-MSD1	66	85	76	61	84	85

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8270 E
Batch:	B349167	Preparation:	EPA 3510 C
% Solids:		Laboratory ID:	B349167-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
Pyridine	80.0	ND	39.6	50	6.24 - 74.7
N-Nitrosodimethylamine	80.0	ND	56.3	70	9.65 - 86
Phenol	80.0	ND	56.0	70	* 18.2 - 60.8
Aniline	80.0	ND	66.9	84	12.5 - 92.6
2-Chlorophenol	80.0	ND	63.6	79	26.1 - 108
Bis(2-Chloroethyl)ether	80.0	ND	58.2	73	12.2 - 127
1,3-Dichlorobenzene	80.0	ND	62.0	77	3.17 - 111
1,4-Dichlorobenzene	80.0	ND	63.5	79	0.523 - 109
Benzyl alcohol	80.0	ND	78.0	98	20.8 - 117
1,2-Dichlorobenzene	80.0	ND	64.0	80	11.7 - 110
2-Methylphenol	80.0	ND	64.0	80	15.8 - 107
2,2'-Oxybis(1-Chloropropane)	80.0	ND	58.3	73	21.1 - 122
Hexachloroethane	80.0	ND	61.2	76	11.7 - 126
3/4-Methylphenol (m-Cresol/p-Cresol)	80.0	ND	55.2	69	13.2 - 112
N-Nitroso-di-n-propylamine	80.0	ND	61.2	76	30.8 - 131
Nitrobenzene	80.0	ND	57.5	72	16.7 - 135
Isophorone	80.0	ND	62.2	78	38.5 - 124
2-Nitrophenol	80.0	ND	62.7	78	24.6 - 141
2,4-Dimethylphenol	80.0	ND	61.0	76	28.5 - 121
Benzoic Acid	80.0	ND	72.6	91	14.9 - 113
bis(2-Chloroethoxy)methane	80.0	ND	64.0	80	36.4 - 118
2,4-Dichlorophenol	80.0	ND	66.9	84	34 - 126
1,2,4-Trichlorobenzene	80.0	ND	66.5	83	20 - 104
Naphthalene	80.0	ND	66.8	83	28.2 - 109

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8270 E
Batch:	B349167	Preparation:	EPA 3510 C
% Solids:		Laboratory ID:	B349167-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
4-Chloroaniline	80.0	ND	49.5	62	14.9 - 114
Hexachlorobutadiene	80.0	ND	65.0	81	17.6 - 118
4-Chloro-3-methylphenol	80.0	ND	67.2	84	37.8 - 130
2-Methylnaphthalene	80.0	ND	66.0	83	24.5 - 117
Hexachlorocyclopentadiene	80.0	ND	61.4	77	5.36 - 116
2,4,6-Trichlorophenol	80.0	ND	65.8	82	32.9 - 133
2,4,5-Trichlorophenol	80.0	ND	69.2	86	34.7 - 131
2-Chloronaphthalene	80.0	ND	66.8	84	34 - 113
2-Nitroaniline	80.0	ND	63.0	79	7.74 - 141
Dimethyl phthalate	80.0	ND	68.0	85	43 - 128
Acenaphthylene	80.0	ND	66.0	82	29.4 - 126
2,6-Dinitrotoluene	80.0	ND	65.7	82	46.9 - 136
3-Nitroaniline	80.0	ND	58.7	73	5.82 - 140
Acenaphthene	80.0	ND	68.2	85	36.2 - 117
2,4-Dinitrophenol	80.0	ND	76.0	95	20.1 - 156
Dibenzofuran	80.0	ND	69.4	87	40.1 - 115
4-Nitrophenol	80.0	ND	41.9	52	20.5 - 127
2,4-Dinitrotoluene	80.0	ND	69.6	87	33.6 - 150
Fluorene	80.0	ND	70.8	88	41.7 - 127
Diethyl phthalate	80.0	ND	71.4	89	45.4 - 139
4-Chlorophenyl phenyl ether	80.0	ND	70.4	88	39.4 - 122
4-Nitroaniline	80.0	ND	66.2	83	20.3 - 147
4,6-Dinitro-2-methylphenol	80.0	ND	74.9	94	40.3 - 137
N-Nitrosodiphenylamine	80.0	ND	71.0	89	44.5 - 129

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8270 E
Batch:	B349167	Preparation:	EPA 3510 C
% Solids:		Laboratory ID:	B349167-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
4-Bromophenyl phenyl ether	80.0	ND	70.0	88	43.5 - 127
Hexachlorobenzene	80.0	ND	70.4	88	31.3 - 126
Pentachlorophenol	80.0	ND	81.1	101	35.8 - 136
Phenanthrene	80.0	ND	74.0	92	47.6 - 116
Anthracene	80.0	ND	72.7	91	49.7 - 125
Carbazole	80.0	ND	73.1	91	51.7 - 130
Di-n-butyl phthalate	80.0	ND	73.3	92	51.1 - 146
Fluoranthene	80.0	ND	74.0	92	51.6 - 125
Pyrene	80.0	ND	73.6	92	49.9 - 125
Butyl benzyl phthalate	80.0	ND	71.6	90	42.6 - 155
Benzo(a)anthracene	80.0	ND	71.1	89	42.6 - 133
Chrysene	80.0	ND	76.5	96	39.7 - 135
3,3'-Dichlorobenzidine	80.0	ND	60.4	76	3.52 - 164
Bis(2-Ethylhexyl)phthalate	80.0	ND	76.2	95	30.4 - 154
Di-n-octyl phthalate	80.0	ND	73.4	92	43.4 - 149
Benzo(b)fluoranthene	80.0	ND	70.4	88	45.9 - 139
Benzo(k)fluoranthene	80.0	ND	79.4	99	44.2 - 140
Benzo(a)pyrene	80.0	ND	75.8	95	46.8 - 150
Indeno(1,2,3-cd)pyrene	80.0	ND	89.4	112	51.6 - 143
Dibenzo(a,h)anthracene	80.0	ND	91.4	114	48.6 - 144
Benzo(g,h,i)perylene	80.0	ND	93.6	117	51.3 - 144
1,2-Diphenylhydrazine/Azobenzene	80.0	ND	66.2	83	70 - 130
n-Decane	80.0	ND	56.0	70	70 - 130
n-Octadecane	80.0	ND	69.3	87	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8270 E
Batch:	B349167	Preparation:	EPA 3510 C
% Solids:		Laboratory ID:	B349167-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Pyridine	80.0	18.7	23	72	*	20 6.24 - 74.7
N-Nitrosodimethylamine	80.0	60.9	76	8		20 9.65 - 86
Phenol	80.0	60.5	76	*	8	20 18.2 - 60.8
Aniline	80.0	52.0	65		*	20 12.5 - 92.6
2-Chlorophenol	80.0	70.8	89	11		20 26.1 - 108
Bis(2-Chloroethyl)ether	80.0	63.8	80	9		20 12.2 - 127
1,3-Dichlorobenzene	80.0	69.6	87	12		20 3.17 - 111
1,4-Dichlorobenzene	80.0	70.2	88	10		20 0.523 - 109
Benzyl alcohol	80.0	73.3	92	6		20 20.8 - 117
1,2-Dichlorobenzene	80.0	71.9	90	12		20 11.7 - 110
2-Methylphenol	80.0	69.9	87	9		20 15.8 - 107
2,2'-Oxybis(1-Chloropropane)	80.0	65.7	82	12		20 21.1 - 122
Hexachloroethane	80.0	67.8	85	10		20 11.7 - 126
3/4-Methylphenol (m-Cresol/p-Cresol)	80.0	60.9	76	10		20 13.2 - 112
N-Nitroso-di-n-propylamine	80.0	68.6	86	11		20 30.8 - 131
Nitrobenzene	80.0	64.6	81	12		20 16.7 - 135
Isophorone	80.0	68.6	86	10		20 38.5 - 124
2-Nitrophenol	80.0	70.3	88	11		20 24.6 - 141
2,4-Dimethylphenol	80.0	67.0	84	9		20 28.5 - 121
Benzoic Acid	80.0	78.2	98	7		20 14.9 - 113
bis(2-Chloroethoxy)methane	80.0	71.9	90	12		20 36.4 - 118
2,4-Dichlorophenol	80.0	72.3	90	8		20 34 - 126
1,2,4-Trichlorobenzene	80.0	70.7	88	6		20 20 - 104
Naphthalene	80.0	73.7	92	10		20 28.2 - 109

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8270 E
Batch:	B349167	Preparation:	EPA 3510 C
% Solids:		Laboratory ID:	B349167-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
4-Chloroaniline	80.0	57.2	71	14	20	14.9 - 114
Hexachlorobutadiene	80.0	72.8	91	11	20	17.6 - 118
4-Chloro-3-methylphenol	80.0	72.9	91	8	20	37.8 - 130
2-Methylnaphthalene	80.0	73.8	92	11	20	24.5 - 117
Hexachlorocyclopentadiene	80.0	67.9	85	10	20	5.36 - 116
2,4,6-Trichlorophenol	80.0	72.4	90	10	20	32.9 - 133
2,4,5-Trichlorophenol	80.0	75.3	94	8	20	34.7 - 131
2-Chloronaphthalene	80.0	73.0	91	9	20	34 - 113
2-Nitroaniline	80.0	67.8	85	7	20	7.74 - 141
Dimethyl phthalate	80.0	75.5	94	10	20	43 - 128
Acenaphthylene	80.0	72.8	91	10	20	29.4 - 126
2,6-Dinitrotoluene	80.0	72.8	91	10	20	46.9 - 136
3-Nitroaniline	80.0	64.6	81	10	20	5.82 - 140
Acenaphthene	80.0	77.5	97	13	20	36.2 - 117
2,4-Dinitrophenol	80.0	82.8	104	9	20	20.1 - 156
Dibenzofuran	80.0	75.8	95	9	20	40.1 - 115
4-Nitrophenol	80.0	48.8	61	15	20	20.5 - 127
2,4-Dinitrotoluene	80.0	73.4	92	5	20	33.6 - 150
Fluorene	80.0	77.7	97	9	20	41.7 - 127
Diethyl phthalate	80.0	77.8	97	9	20	45.4 - 139
4-Chlorophenyl phenyl ether	80.0	76.4	95	8	20	39.4 - 122
4-Nitroaniline	80.0	69.0	86	4	20	20.3 - 147
4,6-Dinitro-2-methylphenol	80.0	78.8	98	5	20	40.3 - 137
N-Nitrosodiphenylamine	80.0	77.1	96	8	20	44.5 - 129

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8270 E
Batch:	B349167	Preparation:	EPA 3510 C
% Solids:		Laboratory ID:	B349167-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
4-Bromophenyl phenyl ether	80.0	75.7	95	8	20	43.5 - 127
Hexachlorobenzene	80.0	76.2	95	8	20	31.3 - 126
Pentachlorophenol	80.0	80.0	100	1	20	35.8 - 136
Phenanthrene	80.0	78.6	98	6	20	47.6 - 116
Anthracene	80.0	79.0	99	8	20	49.7 - 125
Carbazole	80.0	78.1	98	7	20	51.7 - 130
Di-n-butyl phthalate	80.0	76.6	96	4	20	51.1 - 146
Fluoranthene	80.0	77.0	96	4	20	51.6 - 125
Pyrene	80.0	76.0	95	3	20	49.9 - 125
Butyl benzyl phthalate	80.0	75.2	94	5	20	42.6 - 155
Benzo(a)anthracene	80.0	72.3	90	2	20	42.6 - 133
Chrysene	80.0	79.6	100	4	20	39.7 - 135
3,3'-Dichlorobenzidine	80.0	59.8	75	1	20	3.52 - 164
Bis(2-Ethylhexyl)phthalate	80.0	80.0	100	5	20	30.4 - 154
Di-n-octyl phthalate	80.0	76.4	96	4	20	43.4 - 149
Benzo(b)fluoranthene	80.0	73.4	92	4	20	45.9 - 139
Benzo(k)fluoranthene	80.0	83.6	105	5	20	44.2 - 140
Benzo(a)pyrene	80.0	78.6	98	4	20	46.8 - 150
Indeno(1,2,3-cd)pyrene	80.0	94.8	118	6	20	51.6 - 143
Dibenzo(a,h)anthracene	80.0	95.2	119	4	20	48.6 - 144
Benzo(g,h,i)perylene	80.0	94.6	118	1	20	51.3 - 144
1,2-Diphenylhydrazine/Azobenzene	80.0	72.4	90	9	20	70 - 130
n-Decane	80.0	61.7	77	10	20	70 - 130
n-Octadecane	80.0	75.5	94	9	20	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 3510 C
Batch:	B349167	Laboratory ID:	B349167-BS1
Column:		Initial/Final:	250 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Pyridine	80.0	36.7	46	8.86 - 73.5
N-Nitrosodimethylamine	80.0	54.5	68	20.9 - 86.7
Phenol	80.0	53.8	67	15.5 - 68.6
Aniline	80.0	55.9	70	6.22 - 103
2-Chlorophenol	80.0	63.7	80	42.7 - 104
Bis(2-Chloroethyl)ether	80.0	59.8	75	49.9 - 111
1,3-Dichlorobenzene	80.0	64.4	81	16.2 - 109
1,4-Dichlorobenzene	80.0	63.4	79	20.9 - 106
Benzyl alcohol	80.0	73.4	92	29.2 - 117
1,2-Dichlorobenzene	80.0	64.4	80	23.7 - 107
2-Methylphenol	80.0	62.8	78	28.7 - 108
2,2'-Oxybis(1-Chloropropane)	80.0	58.4	73	42.3 - 116
Hexachloroethane	80.0	62.0	78	6.73 - 116
3/4-Methylphenol (m-Cresol/p-Cresol)	80.0	53.5	67	25.7 - 106
N-Nitroso-di-n-propylamine	80.0	59.8	75	49.6 - 121
Nitrobenzene	80.0	56.3	70	45.7 - 128
Isophorone	80.0	61.6	77	55.9 - 121
2-Nitrophenol	80.0	63.0	79	31 - 150
2,4-Dimethylphenol	80.0	61.5	77	41 - 119
Benzoic Acid	80.0	62.4	78	6.43 - 123
bis(2-Chloroethoxy)methane	80.0	61.8	77	54.2 - 113
2,4-Dichlorophenol	80.0	66.8	84	49.7 - 118
1,2,4-Trichlorobenzene	80.0	65.2	81	27.4 - 107
Naphthalene	80.0	66.8	83	33.1 - 115
4-Chloroaniline	80.0	40.8	51	8.71 - 124
Hexachlorobutadiene	80.0	64.3	80	3.77 - 120
4-Chloro-3-methylphenol	80.0	66.0	83	50 - 123
2-Methylnaphthalene	80.0	66.5	83	44.2 - 109
Hexachlorocyclopentadiene	80.0	61.8	77	15.6 - 115

3 - FORM III
LCS / LCS DUPLICATE RECOVERY
EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 3510 C
Batch:	B349167	Laboratory ID:	B349167-BS1
Column:		Initial/Final:	250 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	80.0	65.4	82	40.3 - 136
2,4,5-Trichlorophenol	80.0	66.8	84	41.7 - 135
2-Chloronaphthalene	80.0	65.7	82	48.7 - 105
2-Nitroaniline	80.0	62.3	78	32.7 - 144
Dimethyl phthalate	80.0	68.4	86	62.6 - 118
Acenaphthylene	80.0	66.3	83	45.1 - 121
2,6-Dinitrotoluene	80.0	66.4	83	59.5 - 135
3-Nitroaniline	80.0	52.6	66	37.2 - 142
Acenaphthene	80.0	69.8	87	51.5 - 111
2,4-Dinitrophenol	80.0	75.2	94	22 - 149
Dibenzofuran	80.0	69.3	87	52.6 - 112
4-Nitrophenol	80.0	45.0	56	1.38 - 126
2,4-Dinitrotoluene	80.0	67.3	84	46.1 - 148
Fluorene	80.0	70.8	88	58.7 - 114
Diethyl phthalate	80.0	72.0	90	52.8 - 135
4-Chlorophenyl phenyl ether	80.0	69.8	87	56.6 - 110
4-Nitroaniline	80.0	61.2	76	30.8 - 155
4,6-Dinitro-2-methylphenol	80.0	71.5	89	30.5 - 152
N-Nitrosodiphenylamine	80.0	68.4	85	52.6 - 124
4-Bromophenyl phenyl ether	80.0	70.0	88	57.9 - 118
Hexachlorobenzene	80.0	70.0	87	44.2 - 125
Pentachlorophenol	80.0	79.5	99	26.1 - 144
Phenanthrene	80.0	74.5	93	58.7 - 116
Anthracene	80.0	74.7	93	63.7 - 121
Carbazole	80.0	74.6	93	59 - 130
Di-n-butyl phthalate	80.0	74.7	93	51.6 - 147
Fluoranthene	80.0	73.4	92	61.2 - 125
Pyrene	80.0	74.3	93	60.9 - 125
Butyl benzyl phthalate	80.0	72.8	91	30.9 - 158

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 3510 C
Batch:	B349167	Laboratory ID:	B349167-BS1
Column:		Initial/Final:	250 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Benzo(a)anthracene	80.0	72.1	90	59.6 - 128
Chrysene	80.0	76.2	95	54.1 - 126
3,3'-Dichlorobenzidine	80.0	55.3	69	28.3 - 173
Bis(2-Ethylhexyl)phthalate	80.0	75.5	94	34.9 - 154
Di-n-octyl phthalate	80.0	74.2	93	56.2 - 136
Benzo(b)fluoranthene	80.0	72.4	90	53.4 - 135
Benzo(k)fluoranthene	80.0	80.1	100	55.4 - 140
Benzo(a)pyrene	80.0	76.1	95	59.6 - 141
Indeno(1,2,3-cd)pyrene	80.0	92.0	115	51.7 - 144
Dibenzo(a,h)anthracene	80.0	94.4	118	53.5 - 139
Benzo(g,h,i)perylene	80.0	93.4	117	60.2 - 138
1,2-Diphenylhydrazine/Azobenzene	80.0	65.1	81	70 - 130
n-Decane	80.0	56.0	70	13.5 - 121
n-Octadecane	80.0	69.1	86	42.8 - 121

4 - FORM IV METHOD BLANK SUMMARY

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Blank ID:	B349167-BLK1	Batch:	B349167

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
Matrix Spike Dup	B349167-MSD1	B349167-MSD1.D	17:37
Matrix Spike	B349167-MS1	B349167-MS1.D	16:55
LCS	B349167-BS1	B349167-BS1.D	16:13
EQ Blank	3120104-09	3120104-09.D	03:25
DUP	3120104-08	3120104-08.D	02:43
MW-7C	3120104-07	3120104-07.D	02:01
MW-7B	3120104-06	3120104-06.D	01:20
MW-7A	3120104-05	3120104-05.D	00:37
MW-6AR	3120104-04	3120104-04.D	23:55
MW-3A	3120104-01	3120104-01.D	23:13

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S348050	Instrument:	ChemStation04
		Calibration:	L349001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S348050-ICV1)			<i>Lab File ID: SEQ-ICV1.D</i>			<i>Analyzed: 12/02/23 01:30</i>			
1,4-Dichlorobenzene-d4	55665	5.786	59547	5.819	93	50 - 200	-0.0330	+/-0.50	
Naphthalene-d8	216267	7.625	236445	7.659	91	50 - 200	-0.0340	+/-0.50	
Acenaphthene-d10	122222	10.37	133968	10.408	91	50 - 200	-0.0380	+/-0.50	
Phenanthrene-d10	210872	12.691	228868	12.725	92	50 - 200	-0.0340	+/-0.50	
Chrysene-d12	159896	16.929	165061	16.957	97	50 - 200	-0.0280	+/-0.50	
Perylene-d12	145370	19.49	142823	19.529	102	50 - 200	-0.0390	+/-0.50	
Calibration Check (S349025-CCV1)			<i>Lab File ID: SEQ-CCV1.D</i>			<i>Analyzed: 12/12/23 14:50</i>			
1,4-Dichlorobenzene-d4	67774	5.728	59547	5.819	114	50 - 200	-0.0910	+/-0.50	
Naphthalene-d8	262522	7.568	236445	7.659	111	50 - 200	-0.0910	+/-0.50	
Acenaphthene-d10	143016	10.317	133968	10.408	107	50 - 200	-0.0910	+/-0.50	
Phenanthrene-d10	239477	12.633	228868	12.725	105	50 - 200	-0.0920	+/-0.50	
Chrysene-d12	172774	16.876	165061	16.957	105	50 - 200	-0.0810	+/-0.50	
Perylene-d12	143693	19.413	142823	19.529	101	50 - 200	-0.1160	+/-0.50	
Blank (B349167-BLK1)			<i>Lab File ID: B349167-BLK1.D</i>			<i>Analyzed: 12/12/23 15:32</i>			
1,4-Dichlorobenzene-d4	67746	5.728	67774	5.728	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	252962	7.567	262522	7.568	96	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	140325	10.312	143016	10.317	98	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	230330	12.633	239477	12.633	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12	164955	16.875	172774	16.876	95	50 - 200	-0.0010	+/-0.50	
Perylene-d12	150797	19.413	143693	19.413	105	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S349025	Instrument:	ChemStation04
		Calibration:	L349001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B349167-BS1)			<i>Lab File ID: B349167-BS1.D</i>			<i>Analyzed: 12/12/23 16:13</i>			
1,4-Dichlorobenzene-d4	67802	5.728	67774	5.728	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	258473	7.567	262522	7.568	98	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	141391	10.317	143016	10.317	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	225823	12.633	239477	12.633	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	167997	16.875	172774	16.876	97	50 - 200	-0.0010	+/-0.50	
Perylene-d12	154830	19.413	143693	19.413	108	50 - 200	0.0000	+/-0.50	
Matrix Spike (B349167-MS1)			<i>Lab File ID: B349167-MS1.D</i>			<i>Analyzed: 12/12/23 16:55</i>			
1,4-Dichlorobenzene-d4	66740	5.728	67774	5.728	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	253918	7.567	262522	7.568	97	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	140150	10.317	143016	10.317	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	230669	12.633	239477	12.633	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12	167770	16.875	172774	16.876	97	50 - 200	-0.0010	+/-0.50	
Perylene-d12	153186	19.413	143693	19.413	107	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B349167-MSD1)			<i>Lab File ID: B349167-MSD1.D</i>			<i>Analyzed: 12/12/23 17:37</i>			
1,4-Dichlorobenzene-d4	62369	5.728	67774	5.728	92	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	234738	7.567	262522	7.568	89	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	127564	10.317	143016	10.317	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	211672	12.633	239477	12.633	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12	152812	16.875	172774	16.876	88	50 - 200	-0.0010	+/-0.50	
Perylene-d12	140617	19.413	143693	19.413	98	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S348050	Instrument:	ChemStation04
		Calibration:	L349001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S348050-ICV1)			<i>Lab File ID: SEQ-ICV1.D</i>			<i>Analyzed: 12/02/23 01:30</i>			
1,4-Dichlorobenzene-d4	55665	5.786	59547	5.819	93	50 - 200	-0.0330	+/-0.50	
Naphthalene-d8	216267	7.625	236445	7.659	91	50 - 200	-0.0340	+/-0.50	
Acenaphthene-d10	122222	10.37	133968	10.408	91	50 - 200	-0.0380	+/-0.50	
Phenanthrene-d10	210872	12.691	228868	12.725	92	50 - 200	-0.0340	+/-0.50	
Chrysene-d12	159896	16.929	165061	16.957	97	50 - 200	-0.0280	+/-0.50	
Perylene-d12	145370	19.49	142823	19.529	102	50 - 200	-0.0390	+/-0.50	
Calibration Check (S349025-CCV1)			<i>Lab File ID: SEQ-CCV1.D</i>			<i>Analyzed: 12/12/23 14:50</i>			
1,4-Dichlorobenzene-d4	67774	5.728	59547	5.819	114	50 - 200	-0.0910	+/-0.50	
Naphthalene-d8	262522	7.568	236445	7.659	111	50 - 200	-0.0910	+/-0.50	
Acenaphthene-d10	143016	10.317	133968	10.408	107	50 - 200	-0.0910	+/-0.50	
Phenanthrene-d10	239477	12.633	228868	12.725	105	50 - 200	-0.0920	+/-0.50	
Chrysene-d12	172774	16.876	165061	16.957	105	50 - 200	-0.0810	+/-0.50	
Perylene-d12	143693	19.413	142823	19.529	101	50 - 200	-0.1160	+/-0.50	
Blank (B349167-BLK1)			<i>Lab File ID: B349167-BLK1.D</i>			<i>Analyzed: 12/12/23 15:32</i>			
1,4-Dichlorobenzene-d4	67746	5.728	67774	5.728	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	252962	7.567	262522	7.568	96	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	140325	10.312	143016	10.317	98	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	230330	12.633	239477	12.633	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12	164955	16.875	172774	16.876	95	50 - 200	-0.0010	+/-0.50	
Perylene-d12	150797	19.413	143693	19.413	105	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S349025	Instrument:	ChemStation04
		Calibration:	L349001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B349167-BS1)			<i>Lab File ID: B349167-BS1.D</i>			<i>Analyzed: 12/12/23 16:13</i>			
1,4-Dichlorobenzene-d4	67802	5.728	67774	5.728	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	258473	7.567	262522	7.568	98	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	141391	10.317	143016	10.317	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	225823	12.633	239477	12.633	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	167997	16.875	172774	16.876	97	50 - 200	-0.0010	+/-0.50	
Perylene-d12	154830	19.413	143693	19.413	108	50 - 200	0.0000	+/-0.50	
Matrix Spike (B349167-MS1)			<i>Lab File ID: B349167-MS1.D</i>			<i>Analyzed: 12/12/23 16:55</i>			
1,4-Dichlorobenzene-d4	66740	5.728	67774	5.728	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	253918	7.567	262522	7.568	97	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	140150	10.317	143016	10.317	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	230669	12.633	239477	12.633	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12	167770	16.875	172774	16.876	97	50 - 200	-0.0010	+/-0.50	
Perylene-d12	153186	19.413	143693	19.413	107	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B349167-MSD1)			<i>Lab File ID: B349167-MSD1.D</i>			<i>Analyzed: 12/12/23 17:37</i>			
1,4-Dichlorobenzene-d4	62369	5.728	67774	5.728	92	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	234738	7.567	262522	7.568	89	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	127564	10.317	143016	10.317	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	211672	12.633	239477	12.633	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12	152812	16.875	172774	16.876	88	50 - 200	-0.0010	+/-0.50	
Perylene-d12	140617	19.413	143693	19.413	98	50 - 200	0.0000	+/-0.50	



SAMPLE DATA

1 - FORM I ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
		File ID:	3120104-01.D
Sampled:	11/30/23 09:25	Prepared:	12/07/23 09:21
		Analyzed:	12/12/23 23:13
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	10.0	4.T, U
62-75-9	N-Nitrosodimethylamine	5.00	U
108-95-2	Phenol	5.00	4.G, 4.V, U
62-53-3	Aniline	5.00	4.J, 4.T, U
95-57-8	2-Chlorophenol	5.00	U
111-44-4	Bis(2-Chloroethyl)ether	5.00	U
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
100-51-6	Benzyl alcohol	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
95-48-7	2-Methylphenol	5.00	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.00	U
67-72-1	Hexachloroethane	5.00	U
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	5.00	U
621-64-7	N-Nitroso-di-n-propylamine	5.00	U
98-95-3	Nitrobenzene	5.00	U
78-59-1	Isophorone	5.00	U
88-75-5	2-Nitrophenol	5.00	U
105-67-9	2,4-Dimethylphenol	5.00	U
65-85-0	Benzoic Acid	10.0	U
111-91-1	bis(2-Chloroethoxy)methane	5.00	U
120-83-2	2,4-Dichlorophenol	5.00	U

1 - FORM I ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
		File ID:	3120104-01.D
Sampled:	11/30/23 09:25	Prepared:	12/07/23 09:21
		Analyzed:	12/12/23 23:13
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
7005-72-3	4-Chlorophenyl phenyl ether	5.00	U
100-01-6	4-Nitroaniline	5.00	4.J, U
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U
86-30-6	N-Nitrosodiphenylamine	5.00	U
101-55-3	4-Bromophenyl phenyl ether	5.00	U
118-74-1	Hexachlorobenzene	5.00	U
87-86-5	Pentachlorophenol	5.00	U
85-01-8	Phenanthrene	5.00	U
120-12-7	Anthracene	5.00	U
86-74-8	Carbazole	5.00	U
84-74-2	Di-n-butyl phthalate	5.00	U
206-44-0	Fluoranthene	5.00	U
129-00-0	Pyrene	5.00	U
85-68-7	Butyl benzyl phthalate	5.00	U
56-55-3	Benzo(a)anthracene	5.00	U
218-01-9	Chrysene	5.00	U
91-94-1	3,3'-Dichlorobenzidine	5.00	4.J, U
117-81-7	Bis(2-Ethylhexyl)phthalate	5.00	U
117-84-0	Di-n-octyl phthalate	5.00	U
205-99-2	Benzo(b)fluoranthene	5.00	U
207-08-9	Benzo(k)fluoranthene	5.00	U
50-32-8	Benzo(a)pyrene	5.00	U

1 - FORM I ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
		File ID:	3120104-04.D
Sampled:	11/30/23 15:10	Prepared:	12/07/23 09:21
		Analyzed:	12/12/23 23:55
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
7005-72-3	4-Chlorophenyl phenyl ether	5.00	U
100-01-6	4-Nitroaniline	5.00	4.J, U
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U
86-30-6	N-Nitrosodiphenylamine	5.00	U
101-55-3	4-Bromophenyl phenyl ether	5.00	U
118-74-1	Hexachlorobenzene	5.00	U
87-86-5	Pentachlorophenol	5.00	U
85-01-8	Phenanthrene	5.00	U
120-12-7	Anthracene	5.00	U
86-74-8	Carbazole	5.00	U
84-74-2	Di-n-butyl phthalate	5.00	U
206-44-0	Fluoranthene	5.00	U
129-00-0	Pyrene	5.00	U
85-68-7	Butyl benzyl phthalate	5.00	U
56-55-3	Benzo(a)anthracene	5.00	U
218-01-9	Chrysene	5.00	U
91-94-1	3,3'-Dichlorobenzidine	5.00	4.J, U
117-81-7	Bis(2-Ethylhexyl)phthalate	5.00	U
117-84-0	Di-n-octyl phthalate	5.00	U
205-99-2	Benzo(b)fluoranthene	5.00	U
207-08-9	Benzo(k)fluoranthene	5.00	U
50-32-8	Benzo(a)pyrene	5.00	U

1 - FORM I ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
		File ID:	3120104-05.D
Sampled:	11/30/23 11:40	Prepared:	12/07/23 09:21
		Analyzed:	12/13/23 00:37
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	10.0	U
62-75-9	N-Nitrosodimethylamine	5.00	U
108-95-2	Phenol	5.00	U
62-53-3	Aniline	5.00	4.J, U
95-57-8	2-Chlorophenol	5.00	U
111-44-4	Bis(2-Chloroethyl)ether	5.00	U
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
100-51-6	Benzyl alcohol	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
95-48-7	2-Methylphenol	5.00	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.00	U
67-72-1	Hexachloroethane	5.00	U
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	5.00	U
621-64-7	N-Nitroso-di-n-propylamine	5.00	U
98-95-3	Nitrobenzene	5.00	U
78-59-1	Isophorone	5.00	U
88-75-5	2-Nitrophenol	5.00	U
105-67-9	2,4-Dimethylphenol	5.00	U
65-85-0	Benzoic Acid	10.0	U
111-91-1	bis(2-Chloroethoxy)methane	5.00	U
120-83-2	2,4-Dichlorophenol	5.00	U

1 - FORM I ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
		File ID:	3120104-05.D
Sampled:	11/30/23 11:40	Prepared:	12/07/23 09:21
		Analyzed:	12/13/23 00:37
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
7005-72-3	4-Chlorophenyl phenyl ether	5.00	U
100-01-6	4-Nitroaniline	5.00	4.J, U
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U
86-30-6	N-Nitrosodiphenylamine	5.00	U
101-55-3	4-Bromophenyl phenyl ether	5.00	U
118-74-1	Hexachlorobenzene	5.00	U
87-86-5	Pentachlorophenol	5.00	U
85-01-8	Phenanthrene	5.00	U
120-12-7	Anthracene	5.00	U
86-74-8	Carbazole	5.00	U
84-74-2	Di-n-butyl phthalate	5.00	U
206-44-0	Fluoranthene	5.00	U
129-00-0	Pyrene	5.00	U
85-68-7	Butyl benzyl phthalate	5.00	U
56-55-3	Benzo(a)anthracene	5.00	U
218-01-9	Chrysene	5.00	U
91-94-1	3,3'-Dichlorobenzidine	5.00	4.J, U
117-81-7	Bis(2-Ethylhexyl)phthalate	5.00	U
117-84-0	Di-n-octyl phthalate	5.00	U
205-99-2	Benzo(b)fluoranthene	5.00	U
207-08-9	Benzo(k)fluoranthene	5.00	U
50-32-8	Benzo(a)pyrene	5.00	U

1 - FORM I ANALYSIS DATA SHEET

MW-7B

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-06
		File ID:	3120104-06.D
Sampled:	11/30/23 13:35	Prepared:	12/07/23 09:21
		Analyzed:	12/13/23 01:20
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
120-82-1	1,2,4-Trichlorobenzene	5.00	U
91-20-3	Naphthalene	5.00	U
106-47-8	4-Chloroaniline	5.00	4.J, U
87-68-3	Hexachlorobutadiene	5.00	U
59-50-7	4-Chloro-3-methylphenol	5.00	U
91-57-6	2-Methylnaphthalene	5.00	U
77-47-4	Hexachlorocyclopentadiene	5.00	4.J, U
88-06-2	2,4,6-Trichlorophenol	5.00	U
95-95-4	2,4,5-Trichlorophenol	5.00	U
91-58-7	2-Chloronaphthalene	5.00	U
88-74-4	2-Nitroaniline	5.00	U
131-11-3	Dimethyl phthalate	5.00	U
208-96-8	Acenaphthylene	5.00	U
606-20-2	2,6-Dinitrotoluene	5.00	U
99-09-2	3-Nitroaniline	5.00	4.J, U
83-32-9	Acenaphthene	5.00	U
51-28-5	2,4-Dinitrophenol	10.0	U
132-64-9	Dibenzofuran	5.00	U
100-02-7	4-Nitrophenol	5.00	U
121-14-2	2,4-Dinitrotoluene	5.00	U
86-73-7	Fluorene	5.00	U
84-66-2	Diethyl phthalate	5.00	U

1 - FORM I ANALYSIS DATA SHEET

MW-7B

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-06
		File ID:	3120104-06.D
Sampled:	11/30/23 13:35	Prepared:	12/07/23 09:21
		Analyzed:	12/13/23 01:20
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
7005-72-3	4-Chlorophenyl phenyl ether	5.00	U
100-01-6	4-Nitroaniline	5.00	4.J, U
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U
86-30-6	N-Nitrosodiphenylamine	5.00	U
101-55-3	4-Bromophenyl phenyl ether	5.00	U
118-74-1	Hexachlorobenzene	5.00	U
87-86-5	Pentachlorophenol	5.00	U
85-01-8	Phenanthrene	5.00	U
120-12-7	Anthracene	5.00	U
86-74-8	Carbazole	5.00	U
84-74-2	Di-n-butyl phthalate	5.00	U
206-44-0	Fluoranthene	5.00	U
129-00-0	Pyrene	5.00	U
85-68-7	Butyl benzyl phthalate	5.00	U
56-55-3	Benzo(a)anthracene	5.00	U
218-01-9	Chrysene	5.00	U
91-94-1	3,3'-Dichlorobenzidine	5.00	4.J, U
117-81-7	Bis(2-Ethylhexyl)phthalate	5.00	U
117-84-0	Di-n-octyl phthalate	5.00	U
205-99-2	Benzo(b)fluoranthene	5.00	U
207-08-9	Benzo(k)fluoranthene	5.00	U
50-32-8	Benzo(a)pyrene	5.00	U

1 - FORM I ANALYSIS DATA SHEET

MW-7B

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:		
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY	
Matrix:	Non-Potable Water	Laboratory ID:	3120104-06	File ID: 3120104-06.D
Sampled:	11/30/23 13:35	Prepared:	12/07/23 09:21	Analyzed: 12/13/23 01:20
Solids:		Preparation:	EPA 3510 C	Dilution: 1
Batch:	B349167	Sequence:	S349025	Calibration: L349001
				Instrument: ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U
53-70-3	Dibenzo(a,h)anthracene	5.00	U
191-24-2	Benzo(g,h,i)perylene	5.00	U
122-66-7/103-33-3	1,2-Diphenylhydrazine/Azobenzene	5.00	U
124-18-5	n-Decane	10.0	U
593-45-3	n-Octadecane	5.00	U

* Values outside of QC limits

1 - FORM I ANALYSIS DATA SHEET

MW-7C

Laboratory: Long Island Analytical Laboratories, Inc. SDG:
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Matrix: Non-Potable Water Laboratory ID: 3120104-07 File ID: 3120104-07.D
Sampled: 11/30/23 11:14 Prepared: 12/07/23 09:21 Analyzed: 12/13/23 02:01
Solids: Preparation: EPA 3510 C Dilution: 1
Batch: B349167 Sequence: S349025 Calibration: L349001 Instrument: ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	10.0	U
62-75-9	N-Nitrosodimethylamine	5.00	U
108-95-2	Phenol	5.00	U
62-53-3	Aniline	5.00	4.J, U
95-57-8	2-Chlorophenol	5.00	U
111-44-4	Bis(2-Chloroethyl)ether	5.00	U
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
100-51-6	Benzyl alcohol	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
95-48-7	2-Methylphenol	5.00	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.00	U
67-72-1	Hexachloroethane	5.00	U
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	5.00	U
621-64-7	N-Nitroso-di-n-propylamine	5.00	U
98-95-3	Nitrobenzene	5.00	U
78-59-1	Isophorone	5.00	U
88-75-5	2-Nitrophenol	5.00	U
105-67-9	2,4-Dimethylphenol	5.00	U
65-85-0	Benzoic Acid	10.0	U
111-91-1	bis(2-Chloroethoxy)methane	5.00	U
120-83-2	2,4-Dichlorophenol	5.00	U

1 - FORM I ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
		File ID:	3120104-08.D
Sampled:	11/30/23 00:00	Prepared:	12/07/23 09:21
		Analyzed:	12/13/23 02:43
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	10.0	U
62-75-9	N-Nitrosodimethylamine	5.00	U
108-95-2	Phenol	5.00	U
62-53-3	Aniline	5.00	4.J, U
95-57-8	2-Chlorophenol	5.00	U
111-44-4	Bis(2-Chloroethyl)ether	5.00	U
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
100-51-6	Benzyl alcohol	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
95-48-7	2-Methylphenol	5.00	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.00	U
67-72-1	Hexachloroethane	5.00	U
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	5.00	U
621-64-7	N-Nitroso-di-n-propylamine	5.00	U
98-95-3	Nitrobenzene	5.00	U
78-59-1	Isophorone	5.00	U
88-75-5	2-Nitrophenol	5.00	U
105-67-9	2,4-Dimethylphenol	5.00	U
65-85-0	Benzoic Acid	10.0	U
111-91-1	bis(2-Chloroethoxy)methane	5.00	U
120-83-2	2,4-Dichlorophenol	5.00	U

1 - FORM I ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
		File ID:	3120104-08.D
Sampled:	11/30/23 00:00	Prepared:	12/07/23 09:21
		Analyzed:	12/13/23 02:43
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
120-82-1	1,2,4-Trichlorobenzene	5.00	U
91-20-3	Naphthalene	5.00	U
106-47-8	4-Chloroaniline	5.00	4.J, U
87-68-3	Hexachlorobutadiene	5.00	U
59-50-7	4-Chloro-3-methylphenol	5.00	U
91-57-6	2-Methylnaphthalene	5.00	U
77-47-4	Hexachlorocyclopentadiene	5.00	4.J, U
88-06-2	2,4,6-Trichlorophenol	5.00	U
95-95-4	2,4,5-Trichlorophenol	5.00	U
91-58-7	2-Chloronaphthalene	5.00	U
88-74-4	2-Nitroaniline	5.00	U
131-11-3	Dimethyl phthalate	5.00	U
208-96-8	Acenaphthylene	5.00	U
606-20-2	2,6-Dinitrotoluene	5.00	U
99-09-2	3-Nitroaniline	5.00	4.J, U
83-32-9	Acenaphthene	5.00	U
51-28-5	2,4-Dinitrophenol	10.0	U
132-64-9	Dibenzofuran	5.00	U
100-02-7	4-Nitrophenol	5.00	U
121-14-2	2,4-Dinitrotoluene	5.00	U
86-73-7	Fluorene	5.00	U
84-66-2	Diethyl phthalate	5.00	U

1 - FORM I ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
		File ID:	3120104-08.D
Sampled:	11/30/23 00:00	Prepared:	12/07/23 09:21
		Analyzed:	12/13/23 02:43
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
7005-72-3	4-Chlorophenyl phenyl ether	5.00	U
100-01-6	4-Nitroaniline	5.00	4.J, U
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U
86-30-6	N-Nitrosodiphenylamine	5.00	U
101-55-3	4-Bromophenyl phenyl ether	5.00	U
118-74-1	Hexachlorobenzene	5.00	U
87-86-5	Pentachlorophenol	5.00	U
85-01-8	Phenanthrene	5.00	U
120-12-7	Anthracene	5.00	U
86-74-8	Carbazole	5.00	U
84-74-2	Di-n-butyl phthalate	5.00	U
206-44-0	Fluoranthene	5.00	U
129-00-0	Pyrene	5.00	U
85-68-7	Butyl benzyl phthalate	5.00	U
56-55-3	Benzo(a)anthracene	5.00	U
218-01-9	Chrysene	5.00	U
91-94-1	3,3'-Dichlorobenzidine	5.00	4.J, U
117-81-7	Bis(2-Ethylhexyl)phthalate	5.00	U
117-84-0	Di-n-octyl phthalate	5.00	U
205-99-2	Benzo(b)fluoranthene	5.00	U
207-08-9	Benzo(k)fluoranthene	5.00	U
50-32-8	Benzo(a)pyrene	5.00	U

1 - FORM I ANALYSIS DATA SHEET

EQ Blank

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-09
		File ID:	3120104-09.D
Sampled:	11/30/23 13:50	Prepared:	12/07/23 09:21
		Analyzed:	12/13/23 03:25
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U
53-70-3	Dibenzo(a,h)anthracene	5.00	U
191-24-2	Benzo(g,h,i)perylene	5.00	U
122-66-7/103-33-3	1,2-Diphenylhydrazine/Azobenzene	5.00	U
124-18-5	n-Decane	10.0	U
593-45-3	n-Octadecane	5.00	U

* Values outside of QC limits



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

CALIBRATION DATA

6 - FORM VI INITIAL CALIBRATION DATA SHEET

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	CAL 01	CAL 02	CAL 03	CAL 04	CAL 05	CAL 06
Pyridine	303.494	213.4717	189.5131	177.789	167.1151	160.0735
N-Nitrosodimethylamine	99.2709	90.42273	86.32391	81.29377	83.94979	84.58131
2-Fluorophenol	125.7835	126.2589	135.0017	129.1753	137.4449	141.6841
Phenol-d6	118.3979	128.9934	141.0169	157.6435	169.9092	176.934
Phenol	97.9074	126.0381	132.607	141.7099	160.3886	162.3063
Aniline	174.1502	145.4169	135.9891	122.0884	120.5234	107.098
2-Chlorophenol	150.3267	136.3135	133.8441	140.2858	135.422	138.198
Bis(2-Chloroethyl)ether	163.3936	145.4169	135.9891	137.4511	157.0236	175.3874
1,3-Dichlorobenzene	153.7733	143.4467	143.3208	141.0382	137.3982	141.4844
1,4-Dichlorobenzene	157.1821	143.3109	143.5819	143.0735	136.6037	136.6772
Benzyl alcohol	5.719155	11.68498	13.80093	30.38944	39.83175	35.24825
1,2-Dichlorobenzene	163.3179	147.1323	146.0334	143.0332	139.8585	138.4122
2-Methylphenol	165.2116	137.91	134.7634	129.276	131.9001	130.4379
2,2'-Oxybis(1-Chloropropane)	364.5109	231.3898	217.3193	204.2286	200.5708	191.0188
Hexachloroethane	79.15917	61.80472	61.71831	59.81829	58.44238	57.7021
3/4-Methylphenol (m-Cresol/p-Cresol)	268.0428	206.7121	193.4287	185.5005	182.0937	175.0733
N-Nitroso-di-n-propylamine	189.376	130.3181	120.9057	110.5816	106.1056	103.2397
Nitrobenzene-d5	191.3834	164.6937	158.7221	159.4304	158.6427	159.3517
Nitrobenzene	262.9675	226.3795	202.1904	187.0657	185.6156	181.9957
Isophorone	485.8252	352.4516	325.0936	307.3337	288.5732	277.4076
2-Nitrophenol	86.54483	71.40067	70.82057	71.37219	72.56643	73.03702
2,4-Dimethylphenol	176.6878	145.7396	136.6474	134.1999	129.6468	128.2244
Benzoic Acid	3.408768	16.27066	20.24742	29.7177	35.09814	44.69182
bis(2-Chloroethoxy)methane	246.3024	205.2684	198.0138	189.6116	173.8884	172.6182
2,4-Dichlorophenol	124.9503	111.0243	110.2486	110.4271	109.3036	109.6578
1,2,4-Trichlorobenzene	161.4241	127.7705	127.2727	121.1547	117.2787	112.3594
Naphthalene	148.6545	119.4576	111.4588	107.609	104.3199	102.4657
4-Chloroaniline	8.680907	14.77391	20.95081	26.31986	30.79838	35.72744
Hexachlorobutadiene	21.93832	18.13761	16.86494	16.58229	16.17295	15.57878

6 - FORM VI INITIAL CALIBRATION DATA SHEET

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	CAL 01	CAL 02	CAL 03	CAL 04	CAL 05	CAL 06
4-Chloro-3-methylphenol	48.83853	36.96555	34.16541	32.57925	31.5193	30.71193
2-Methylnaphthalene	138.4417	109.7798	100.8745	96.24733	92.26023	92.02899
Hexachlorocyclopentadiene	18.76849	15.00255	14.70167	14.08192	14.66581	15.19326
2,4,6-Trichlorophenol	28.08529	22.29277	20.60411	19.63247	18.44139	18.40857
2,4,5-Trichlorophenol	28.19127	24.46049	22.50092	22.29525	22.96624	23.01461
2-Fluorobiphenyl	84.23659	79.11955	78.59705	76.07181	77.42257	77.64965
2-Chloronaphthalene	100.9047	79.22507	69.83221	69.15604	65.27696	63.27703
2-Nitroaniline	33.50965	24.93536	22.62126	21.25822	21.01487	20.65609
Dimethyl phthalate	128.672	94.44747	84.8376	78.45545	74.48047	70.60522
Acenaphthylene	175.4391	131.5405	116.2839	108.1046	104.0441	100.1934
2,6-Dinitrotoluene	26.24505	18.72241	17.41794	17.42646	16.98839	16.88963
3-Nitroaniline	37.16603	30.1942	30.0758	30.62821	30.66091	31.58529
Acenaphthene	186.1287	141.3314	124.2419	117.0459	109.6005	105.9886
2,4-Dinitrophenol	0	2.785472	4.080128	5.371432	7.42563	9.136071
Dibenzofuran	282.8831	220.3339	193.1799	177.4424	165.8134	159.5946
4-Nitrophenol	17.96109	15.79738	14.72987	15.90828	16.23677	17.67248
2,4-Dinitrotoluene	48.82498	41.96204	38.59458	38.37931	37.68055	38.9084
Fluorene	237.6901	179.2482	156.3578	142.9953	135.3985	128.332
Diethyl phthalate	222.2499	168.5523	145.7535	137.7045	127.7284	122.5881
4-Chlorophenyl phenyl ether	101.5971	77.75065	68.62998	61.79088	57.66183	55.39772
4-Nitroaniline	44.31398	36.77449	34.5498	33.98125	33.43798	34.73721
4,6-Dinitro-2-methylphenol	6.401645	10.91498	10.23062	11.75505	13.27407	15.06291
N-Nitrosodiphenylamine	191.386	150.5094	129.0946	119.8017	112.3172	109.0824
2,4,6-Tribromophenol	9.32053	8.434659	9.998334	11.764	12.59188	14.16855
4-Bromophenyl phenyl ether	52.85503	41.7586	36.46867	33.80509	31.88795	30.23825
Hexachlorobenzene	55.62466	44.03549	38.36229	35.82647	33.23875	31.9079
Pentachlorophenol	0	3.489664	5.670772	8.858832	11.72404	14.87625
Phenanthrene	191.0147	139.9667	125.1847	118.3459	111.3029	106.0078
Anthracene	194.4582	140.4205	127.2484	116.8132	110.5056	109.5033

6 - FORM VI INITIAL CALIBRATION DATA SHEET

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	CAL 01	CAL 02	CAL 03	CAL 04	CAL 05	CAL 06
Carbazole	187.9332	136.5255	123.5648	114.2353	109.4256	105.9467
Di-n-butyl phthalate	224.7059	165.126	149.1621	141.2727	134.9177	133.9836
Fluoranthene	189.3517	137.0278	126.7428	121.761	113.9398	111.6506
Pyrene	190.8484	141.3634	127.5365	121.359	113.0134	115.4413
Terphenyl-d14	90.80193	83.44863	81.56318	81.69425	82.41451	85.17276
Butyl benzyl phthalate	93.93235	67.37048	62.7746	60.49076	56.66958	58.36871
Benzo(a)anthracene	120.6486	98.38998	93.85175	94.58203	93.42986	97.74788
Chrysene	209.3783	156.8842	147.5151	133.4222	128.6664	123.7143
3,3'-Dichlorobenzidine	47.51255	46.33722	45.73589	44.5605	45.09746	44.992
Bis(2-Ethylhexyl)phthalate	165.875	126.183	112.6779	102.8274	98.56373	100.3743
Di-n-octyl phthalate	189.4967	160.9857	157.0715	158.8722	158.9897	163.7588
Benzo(b)fluoranthene	44.04186	57.8253	71.09005	76.80554	88.18202	101.3924
Benzo(k)fluoranthene	54.85784	74.95454	91.29481	97.58816	102.2723	110.9794
Benzo(a)pyrene	35.14073	55.27018	67.24419	83.78721	87.60303	99.09351
Indeno(1,2,3-cd)pyrene	0	0.953797	7.646689	14.03135	21.21363	41.55683
Dibenzo(a,h)anthracene	0	1.57096	8.148371	14.29462	25.61042	47.91137
Benzo(g,h,i)perylene	0	3.226078	11.66014	19.10337	30.39177	47.39568
n-Decane	4564	4460	4644.667	4515.4	4362.9	4438.1
n-Octadecane	5871	5619	5256.667	5472	5508.1	5449.35

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	CAL 07	CAL 08	CAL 09	CAL 10	CAL 11	CAL 12
Pyridine	157.6611	156.2077	156.9711			
N-Nitrosodimethylamine	83.57736	82.71604	83.35586			
2-Fluorophenol	140.7483	140.5266	140.571			
Phenol-d6	179.0048	175.3147	174.9865			
Phenol	173.5505	173.7928	168.2579			
Aniline	89.01595	103.4081	111.0178			
2-Chlorophenol	137.879	135.8323	135.3495			
Bis(2-Chloroethyl)ether	172.2216	161.1152	161.9485			
1,3-Dichlorobenzene	140.5293	138.2017	136.377			
1,4-Dichlorobenzene	137.8074	133.9307	131.7047			
Benzyl alcohol	40.25608	43.56277	38.5721			
1,2-Dichlorobenzene	138.5403	138.2561	134.7492			
2-Methylphenol	130.9799	130.5234	128.4684			
2,2'-Oxybis(1-Chloropropane)	190.5643	187.7052	181.9541			
Hexachloroethane	57.20995	56.79516	56.29667			
3/4-Methylphenol (m-Cresol/p-Cresol)	177.2622	174.4386	173.2902			
N-Nitroso-di-n-propylamine	104.4672	102.1242	98.04403			
Nitrobenzene-d5	159.2185	156.9111	153.0492			
Nitrobenzene	176.6662	172.5883	166.576			
Isophorone	277.0984	264.482	262.928			
2-Nitrophenol	75.13991	72.95009	72.69857			
2,4-Dimethylphenol	127.7094	124.4145	123.6672			
Benzoic Acid	47.95961	49.44521	55.95728			
bis(2-Chloroethoxy)methane	170.5	168.3834	165.6873			
2,4-Dichlorophenol	110.7387	108.2852	108.5917			
1,2,4-Trichlorobenzene	112.4719	110.5845	109.6591			
Naphthalene	100.0097	100.3061	97.94432			
4-Chloroaniline	37.16023	39.074	39.28395			

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	CAL 07	CAL 08	CAL 09	CAL 10	CAL 11	CAL 12
Hexachlorobutadiene	14.9499	15.12313	14.59421			
4-Chloro-3-methylphenol	30.26047	30.71718	30.05439			
2-Methylnaphthalene	88.91834	88.9411	87.13709			
Hexachlorocyclopentadiene	15.12064	15.29492	15.35205			
2,4,6-Trichlorophenol	17.90281	17.84105	17.16178			
2,4,5-Trichlorophenol	22.39594	22.24206	22.05503			
2-Fluorobiphenyl	74.95968	74.82523	73.55588			
2-Chloronaphthalene	62.25216	61.91022	60.09134			
2-Nitroaniline	20.04793	20.02284	19.7831			
Dimethyl phthalate	68.63753	68.32658	65.22343			
Acenaphthylene	97.59039	97.47608	92.75623			
2,6-Dinitrotoluene	16.58872	16.44537	16.14024			
3-Nitroaniline	33.09095	33.16842	32.40196			
Acenaphthene	103.6004	102.187	98.36848			
2,4-Dinitrophenol	10.84031	11.47147	11.82394			
Dibenzofuran	157.9672	153.2381	147.3999			
4-Nitrophenol	18.46011	19.82122	20.23482			
2,4-Dinitrotoluene	38.68787	38.79123	37.42622			
Fluorene	123.7284	123.0002	114.6192			
Diethyl phthalate	119.2284	115.8293	111.5039			
4-Chlorophenyl phenyl ether	53.74682	53.69856	51.40856			
4-Nitroaniline	34.82179	34.67929	33.36738			
4,6-Dinitro-2-methylphenol	16.54959	17.22855	16.76125			
N-Nitrosodiphenylamine	107.5997	104.3075	100.1541			
2,4,6-Tribromophenol	14.65215	14.8723	14.56818			
4-Bromophenyl phenyl ether	30.37845	29.37208	28.2792			
Hexachlorobenzene	31.0487	30.87748	29.72988			
Pentachlorophenol	16.87648	16.5324	16.66607			

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	CAL 07	CAL 08	CAL 09	CAL 10	CAL 11	CAL 12
Phenanthrene	103.7856	101.5912	99.42271			
Anthracene	105.2408	105.3157	101.4549			
Carbazole	103.5925	102.8046	100.1436			
Di-n-butyl phthalate	127.8856	130.3294	126.1044			
Fluoranthene	109.9819	107.938	106.28			
Pyrene	111.3974	110.1912	106.7099			
Terphenyl-d14	80.67214	81.75108	79.87047			
Butyl benzyl phthalate	55.42118	55.77575	55.62012			
Benzo(a)anthracene	92.56126	95.69464	92.30741			
Chrysene	120.6494	120.1737	117.2265			
3,3'-Dichlorobenzidine	44.65335	45.16248	44.57359			
Bis(2-Ethylhexyl)phthalate	100.0641	98.74747	97.64052			
Di-n-octyl phthalate	167.7491	167.6714	169.7834			
Benzo(b)fluoranthene	104.3738	107.2024	108.3621			
Benzo(k)fluoranthene	114.2641	111.762	111.7126			
Benzo(a)pyrene	103.2175	103.6543	106.1825			
Indeno(1,2,3-cd)pyrene	62.20486	72.04751	79.54536			
Dibenzo(a,h)anthracene	68.51357	82.61144	87.90226			
Benzo(g,h,i)perylene	68.40699	80.21947	83.79184			
n-Decane	4500.567	4392.675	4310.18			
n-Octadecane	5621.467	5442.15	5217.24			

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
Pyridine	186.9218	25.51273			20	*
N-Nitrosodimethylamine	86.16574	6.455757			20	
2-Fluorophenol	135.2438	4.820471			20	
Phenol-d6	158.0223	14.54824			20	
Phenol	148.5065	17.41746	0.9991607		0.99	
Aniline	123.1898	20.75426			20	*
2-Chlorophenol	138.1612	3.577854			20	
Bis(2-Chloroethyl)ether	156.6608	9.052147			20	
1,3-Dichlorobenzene	141.73	3.63526			20	
1,4-Dichlorobenzene	140.4302	5.398748			20	
Benzyl alcohol	28.78505	50.05943		0.9924295	0.99	
1,2-Dichlorobenzene	143.2592	5.942934			20	
2-Methylphenol	135.4967	8.499691			20	
2,2'-Oxybis(1-Chloropropane)	218.8069	25.96933			20	*
Hexachloroethane	60.99408	11.6494			20	
3/4-Methylphenol (m-Cresol/p-Cresol)	192.8713	15.65853			20	
N-Nitroso-di-n-propylamine	118.3513	24.08714		0.9995084	0.99	
Nitrobenzene-d5	162.3781	6.94959			20	
Nitrobenzene	195.7828	15.7605			20	
Isophorone	315.6881	22.2731			20	*
2-Nitrophenol	74.05892	6.54901	0.9996858		0.99	
2,4-Dimethylphenol	136.3263	12.18897			20	
Benzoic Acid	33.64407	52.41223		0.9992576	0.99	
bis(2-Chloroethoxy)methane	187.8082	13.86509	0.9998134		0.99	
2,4-Dichlorophenol	111.4697	4.611991			20	

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
1,2,4-Trichlorobenzene	122.2195	13.26983			20	
Naphthalene	110.2473	14.40991		0.9999059	0.99	
4-Chloroaniline	28.0855	39.84841			20	*
Hexachlorobutadiene	16.66024	13.59696			20	
4-Chloro-3-methylphenol	33.97911	17.66749			20	
2-Methylnaphthalene	99.40323	16.37288			20	
Hexachlorocyclopentadiene	15.35348	8.733307		0.9999133	0.99	
2,4,6-Trichlorophenol	20.04114	17.03013		0.9997549	0.99	
2,4,5-Trichlorophenol	23.34687	8.374085	0.9997824		0.99	
2-Fluorobiphenyl	77.382	4.094617			20	
2-Chloronaphthalene	70.21397	18.37525			20	
2-Nitroaniline	22.64992	19.34782		0.9999322	0.99	
Dimethyl phthalate	81.52064	24.47655			20	*
Acenaphthylene	113.7143	22.85803			20	*
2,6-Dinitrotoluene	18.09602	17.38861		0.9999225	0.99	
3-Nitroaniline	32.10797	6.973824	0.9994681		0.99	
Acenaphthene	120.9437	23.02799			20	*
2,4-Dinitrophenol	6.992717	59.9722		0.9982642	0.99	
Dibenzofuran	184.2058	23.59683			20	*
4-Nitrophenol	17.42467	10.86669		0.9996262	0.99	
2,4-Dinitrotoluene	39.91724	8.973696		0.9996277	0.99	
Fluorene	149.0411	25.96425			20	*
Diethyl phthalate	141.2376	24.88987			20	*
4-Chlorophenyl phenyl ether	64.63134	25.12364			20	*
4-Nitroaniline	35.62924	9.563608	0.9991969		0.99	

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L349001	Instrument:	ChemStation04
		Calibration Date:	12/4/2023 1:17:28PM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
4,6-Dinitro-2-methylphenol	13.13096	27.7092	0.9981688		0.99	
N-Nitrosodiphenylamine	124.917	23.44896			20	*
2,4,6-Tribromophenol	12.2634	20.43914	0.9994431		0.99	
4-Bromophenyl phenyl ether	35.00481	22.55354			20	*
Hexachlorobenzene	36.73907	22.87104			20	*
Pentachlorophenol	10.52161	60.21573		0.9981919	0.99	
Phenanthrene	121.8469	23.81682			20	*
Anthracene	123.4401	23.78281			20	*
Carbazole	120.4635	23.11068			20	*
Di-n-butyl phthalate	148.1653	21.05729			20	*
Fluoranthene	124.9637	20.91914			20	*
Pyrene	126.4289	20.8875			20	*
Terphenyl-d14	83.04322	3.963333		0.9997117	0.99	
Butyl benzyl phthalate	62.93595	19.52361	0.9997478		0.99	
Benzo(a)anthracene	97.69038	9.079511		0.9993563	0.99	
Chrysene	139.7367	20.98244			20	*
3,3'-Dichlorobenzidine	45.40278	2.162709	0.9999307		0.99	
Bis(2-Ethylhexyl)phthalate	111.4393	20.129	0.9998161		0.99	
Di-n-octyl phthalate	166.0421	5.954729		0.9999311	0.99	
Benzo(b)fluoranthene	84.36394	27.69091		0.9997307	0.99	
Benzo(k)fluoranthene	96.63175	20.85591		0.9997616	0.99	
Benzo(a)pyrene	82.35479	30.22728		0.9998075	0.99	
Indeno(1,2,3-cd)pyrene	33.24445	94.37148		0.9888449	0.99	*
Dibenzo(a,h)anthracene	37.39589	93.99384		0.989393	0.99	*
Benzo(g,h,i)perylene	38.24393	85.99893		0.990704	0.99	



6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270 E

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Calibration: L349001 Instrument: ChemStation04
Calibration Date: 12/4/2023 1:17:28PM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
n-Decane	4465.388	2.325389			20	
n-Octadecane	5495.219	3.595337			20	

INITIAL CALIBRATION STANDARDS

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S348050	Instrument:	ChemStation04
Calibration:	L349001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2305661	8270 NPW CAL E1 1ppm	S348050-CAL1	SEQ-CAL1.D	12/01/23 19:11
2305662	8270 NPW CAL E2 2ppm	S348050-CAL2	SEQ-CAL2.D	12/01/23 19:53
2305663	8270 NPW CAL E3 3ppm	S348050-CAL3	SEQ-CAL3.D	12/01/23 20:35
2305664	8270 NPW CAL E4 5ppm	S348050-CAL4	SEQ-CAL4.D	12/01/23 21:17
2305665	8270 NPW CAL E5 10ppm	S348050-CAL5	SEQ-CAL5.D	12/01/23 21:59
2305666	8270 NPW CAL E6 20ppm	S348050-CAL6	SEQ-CAL6.D	12/01/23 22:41
2305667	8270 NPW CAL E7 30ppm	S348050-CAL7	SEQ-CAL7.D	12/01/23 23:23
2305668	8270 NPW CAL E8 40ppm	S348050-CAL8	SEQ-CAL8.D	12/02/23 00:05
2305669	8270 NPW CAL E9 50ppm	S348050-CAL9	SEQ-CAL9.D	12/02/23 00:47

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CONTINUING CALIBRATION VERIFICATION

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Instrument ID:	ChemStation04	Calibration:	L349001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/04/23 13:17
Sequence:	S349025	Injection Date:	12/12/23
Lab Sample ID:	S349025-CCV1	Injection Time:	14:50

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	20.0	17.9	186.9218	144.1748		-22.9	20 *
N-Nitrosodimethylamine	A	20.0	19.4	86.16574	80.97353		-6.0	20
Phenol	L	20.0	22.0	148.5065	185.0916		10.1	20
Aniline	A	20.0	5.32	123.1898	30.64302		-75.1	20 *
2-Chlorophenol	A	20.0	20.7	138.1612	141.1928		2.2	20
Bis(2-Chloroethyl)ether	A	20.0	19.1	156.6608	156.3313		-0.2	20
1,3-Dichlorobenzene	A	20.0	20.7	141.73	143.4311		1.2	20
1,4-Dichlorobenzene	A	20.0	21.0	140.4302	141.5233		0.8	20
Benzyl alcohol	Q	20.0	23.7	28.78505	47.84726		18.7	20
1,2-Dichlorobenzene	A	20.0	20.6	143.2592	141.7092		-1.1	20
2-Methylphenol	A	20.0	19.8	135.4967	128.8149		-4.9	20
2,2'-Oxybis(1-Chloropropane)	A	20.0	18.2	218.8069	173.149		-20.9	20 *
Hexachloroethane	A	20.0	20.3	60.99408	57.9588		-5.0	20
3/4-Methylphenol (m-Cresol/p-Cresol)	A	20.0	19.1	192.8713	168.7638		-12.5	20
N-Nitroso-di-n-propylamine	Q	20.0	18.7	118.3513	96.49571		-6.3	20
Nitrobenzene	A	20.0	18.8	195.7828	164.9172		-15.8	20
Isophorone	A	20.0	18.9	315.6881	259.1023		-17.9	20
2-Nitrophenol	L	20.0	19.5	74.05892	71.27955		-2.6	20
2,4-Dimethylphenol	A	20.0	16.7	136.3263	105.8518		-22.4	20 *
Benzoic Acid	Q	20.0	23.7	33.64407	52.74589		18.7	20
bis(2-Chloroethoxy)methane	L	20.0	19.4	187.8082	165.5871		-2.9	20
2,4-Dichlorophenol	A	20.0	20.3	111.4697	111.0234		-0.4	20
1,2,4-Trichlorobenzene	A	20.0	21.1	122.2195	117.9538		-3.5	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Instrument ID:	ChemStation04	Calibration:	L349001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/04/23 13:17
Sequence:	S349025	Injection Date:	12/12/23
Lab Sample ID:	S349025-CCV1	Injection Time:	14:50

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Naphthalene	Q	20.0	20.5	110.2473	102.9552		2.4	20
4-Chloroaniline	A	20.0	5.35	28.0855	7.538416		-73.2	20 *
Hexachlorobutadiene	A	20.0	20.6	16.66024	15.6025		-6.3	20
4-Chloro-3-methylphenol	A	20.0	18.9	33.97911	29.03452		-14.6	20
2-Methylnaphthalene	A	20.0	19.6	99.40323	88.02805		-11.4	20
Hexachlorocyclopentadiene	Q	20.0	13.2	15.35348	9.962594		-34.2	20 *
2,4,6-Trichlorophenol	Q	20.0	19.1	20.04114	17.08466		-4.7	20
2,4,5-Trichlorophenol	L	20.0	20.1	23.34687	22.5463		0.7	20
2-Chloronaphthalene	A	20.0	19.6	70.21397	61.06079		-13.0	20
2-Nitroaniline	Q	20.0	17.7	22.64992	18.0023		-11.4	20
Dimethyl phthalate	A	20.0	19.4	81.52064	67.05152		-17.7	20
Acenaphthylene	A	20.0	19.1	113.7143	93.63825		-17.7	20
2,6-Dinitrotoluene	Q	20.0	19.0	18.09602	15.72363		-5.2	20
3-Nitroaniline	L	20.0	11.1	32.10797	17.85395		-44.4	20 *
Acenaphthene	A	20.0	20.4	120.9437	105.3553		-12.9	20
2,4-Dinitrophenol	Q	20.0	22.2	6.992717	10.8848		11.1	20
Dibenzofuran	A	20.0	20.2	184.2058	157.8145		-14.3	20
4-Nitrophenol	Q	20.0	16.6	17.42467	13.5761		-17.0	20
2,4-Dinitrotoluene	Q	20.0	19.2	39.91724	36.86441		-3.8	20
Fluorene	A	20.0	20.0	149.0411	123.7659		-17.0	20
Diethyl phthalate	A	20.0	19.9	141.2376	117.6994		-16.7	20
4-Chlorophenyl phenyl ether	A	20.0	20.3	64.63134	54.92113		-15.0	20
4-Nitroaniline	L	20.0	15.0	35.62924	25.85934		-24.8	20 *
4,6-Dinitro-2-methylphenol	L	20.0	20.7	13.13096	16.70652		3.3	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Instrument ID:	ChemStation04	Calibration:	L349001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/04/23 13:17
Sequence:	S349025	Injection Date:	12/12/23
Lab Sample ID:	S349025-CCV1	Injection Time:	14:50

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	20.0	19.8	124.917	105.0442		-15.9	20
4-Bromophenyl phenyl ether	A	20.0	20.2	35.00481	30.18753		-13.8	20
Hexachlorobenzene	A	20.0	20.0	36.73907	31.31398		-14.8	20
Pentachlorophenol	Q	20.0	23.8	10.52161	19.07479		18.9	20
Phenanthrene	A	20.0	20.1	121.8469	104.2981		-14.4	20
Anthracene	A	20.0	18.8	123.4401	99.83297		-19.1	20
Carbazole	A	20.0	19.8	120.4635	103.2517		-14.3	20
Di-n-butyl phthalate	A	20.0	19.2	148.1653	125.2985		-15.4	20
Fluoranthene	A	20.0	19.4	124.9637	106.4674		-14.8	20
Pyrene	A	20.0	20.1	126.4289	111.508		-11.8	20
Butyl benzyl phthalate	L	20.0	18.5	62.93595	52.34866		-7.6	20
Benzo(a)anthracene	Q	20.0	18.9	97.69038	89.03026		-5.5	20
Chrysene	A	20.0	20.6	139.7367	125.064		-10.5	20
3,3'-Dichlorobenzidine	L	20.0	14.1	45.40278	31.62513		-29.6	20
Bis(2-Ethylhexyl)phthalate	L	20.0	19.9	111.4393	99.28577		-0.4	20
Di-n-octyl phthalate	Q	20.0	19.3	166.0421	160.92		-3.7	20
Benzo(b)fluoranthene	Q	20.0	18.9	84.36394	97.05048		-5.7	20
Benzo(k)fluoranthene	Q	20.0	21.4	96.63175	118.2678		7.0	20
Benzo(a)pyrene	Q	20.0	20.0	82.35479	101.0042		-0.2	20
Indeno(1,2,3-cd)pyrene	Q	20.0	23.7	33.24445	60.61952		18.4	20
Dibenzo(a,h)anthracene	Q	20.0	22.4	37.39589	63.35521		12.2	20
Benzo(g,h,i)perylene	Q	20.0	23.4	38.24393	67.89336		16.8	20
n-Decane	A	20.0	19.7	4465.388	4642.3		4.0	20
n-Octadecane	A	20.0	18.8	5495.219	5282.5		-3.9	20

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CONTINUING CALIBRATION VERIFICATION

EPA 8270 E

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Instrument ID:	ChemStation04	Calibration:	L349001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/04/23 13:17
Sequence:	S349025	Injection Date:	12/12/23
Lab Sample ID:	S349025-CCV1	Injection Time:	14:50

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Fluorophenol	A	20.0	20.1	135.2438	140.5362		3.9	20
Phenol-d6	A	20.0	21.0	158.0223	182.6187		15.6	20
Nitrobenzene-d5	A	20.0	19.4	162.3781	152.4582		-6.1	20
2-Fluorobiphenyl	A	20.0	20.0	77.382	75.0638		-3.0	20
2,4,6-Tribromophenol	L	20.0	19.6	12.2634	13.99983		-1.9	20
Terphenyl-d14	Q	20.0	20.2	83.04322	82.27262		1.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Instrument: ChemStation04
 Calibration ID: L349001

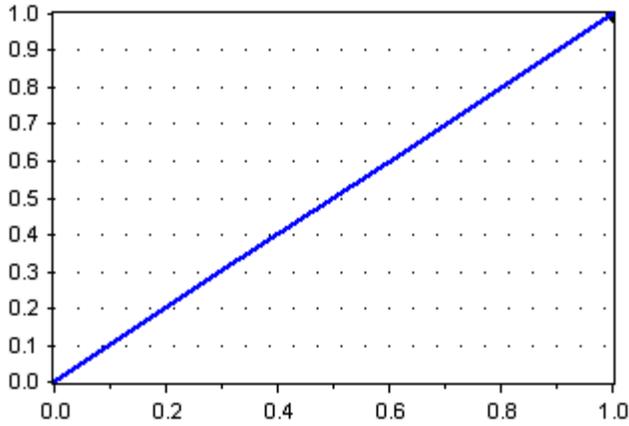
Calibration Date:
 Last Edit Date:

12/04/2023 13:17 By JEM
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EPA 625.1

1,4-Dichlorobenzene-d4

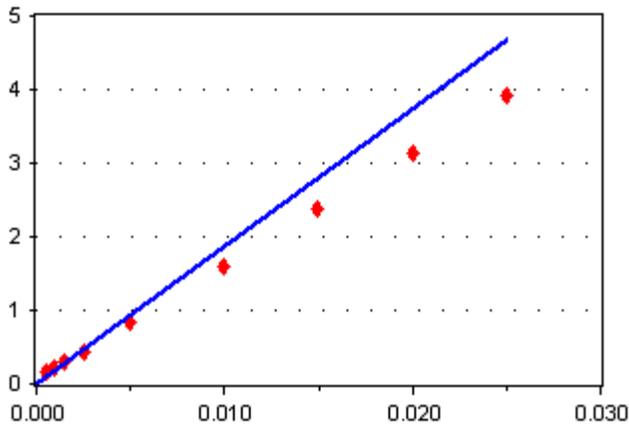
EPA 625.1 - 1,4-Dichlorobenzene-d4



Average RF
 RF RSD: 0
 [Conc] = 1 * [Response]

Pyridine

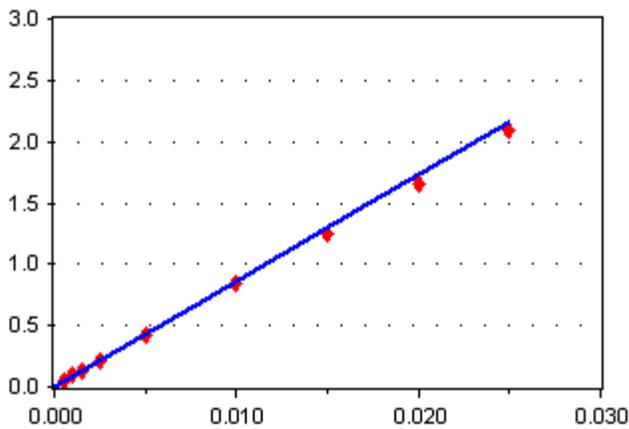
EPA 625.1 - Pyridine



Average RF
 RF RSD: 25.51273
 [Conc] = 186.9218 * [Response]

N-Nitrosodimethylamine

EPA 625.1 - N-Nitrosodimethylamine



Average RF
 RF RSD: 6.455757
 [Conc] = 86.16574 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

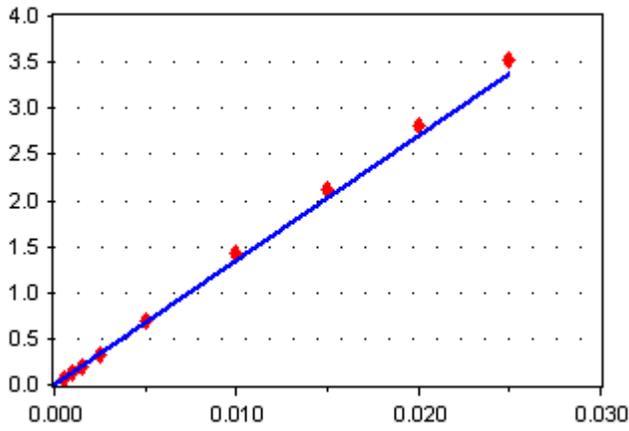
Calibration Date:
Last Edit Date:

12/04/2023 13:17 By JEM
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EPA 625.1

2-Fluorophenol

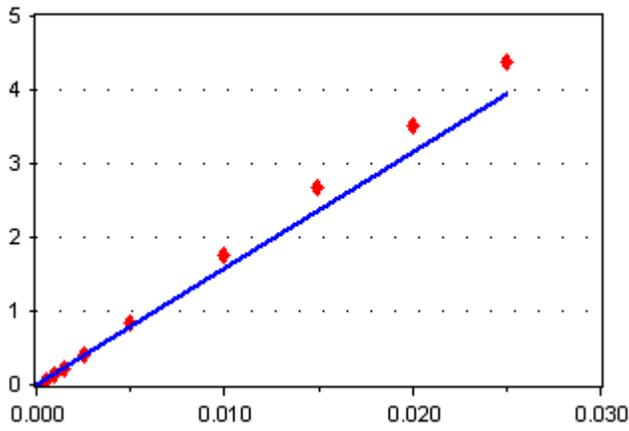
EPA 625.1 - 2-Fluorophenol



Average RF
RF RSD: 4.820471
[Conc] = 135.2438 * [Response]

Phenol-d6

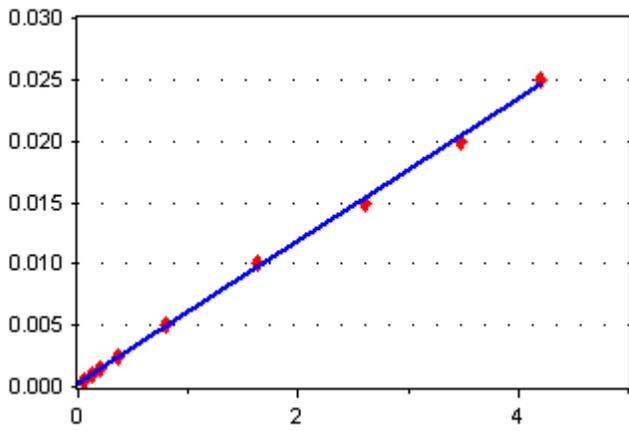
EPA 625.1 - Phenol-d6



Average RF
RF RSD: 14.54824
[Conc] = 158.0223 * [Response]

Phenol

EPA 625.1 - Phenol



Linear Regression
r2: 0.9991607
[Conc] = 5.770325E-03 * [Response] + 3.282314E-04

Instrument: ChemStation04
 Calibration ID: L349001

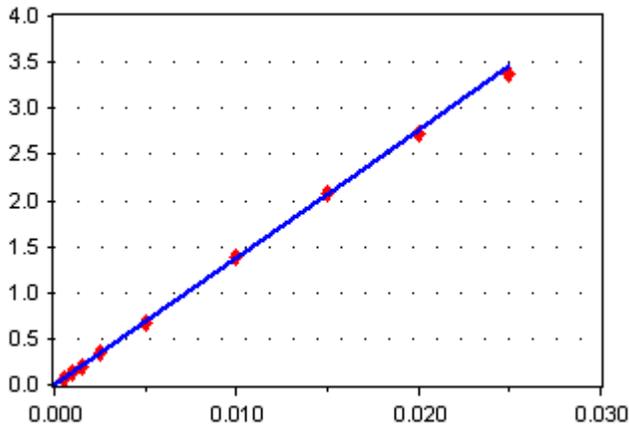
Calibration Date:
 Last Edit Date:

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EPA 625.1

2-Chlorophenol

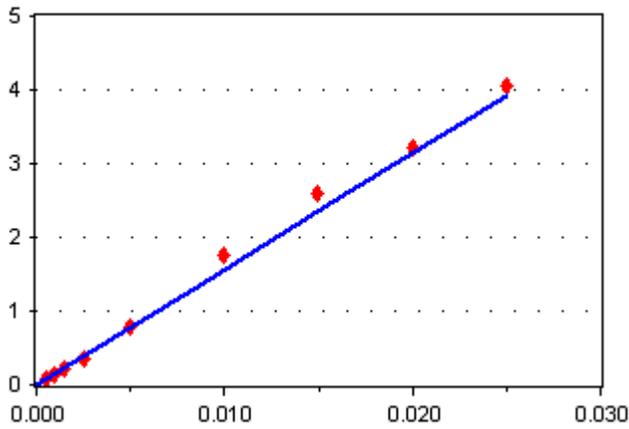
EPA 625.1 - 2-Chlorophenol



Average RF
 RF RSD: 3.577854
 $[Conc] = 138.1612 * [Response]$

Bis(2-Chloroethyl)ether

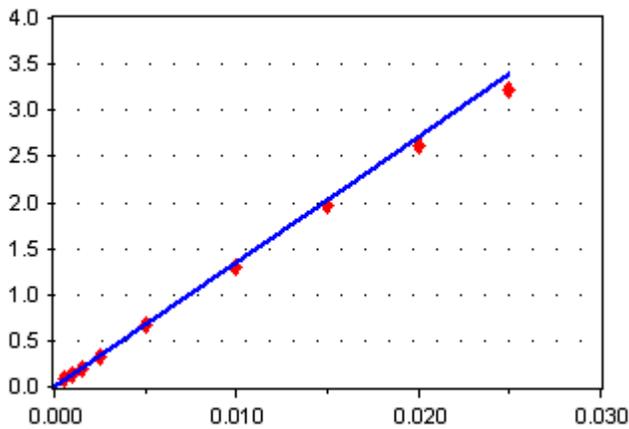
EPA 625.1 - Bis(2-Chloroethyl)ether



Average RF
 RF RSD: 9.052147
 $[Conc] = 156.6608 * [Response]$

2-Methylphenol

EPA 625.1 - 2-Methylphenol



Average RF
 RF RSD: 8.499691
 $[Conc] = 135.4967 * [Response]$

Instrument: ChemStation04
 Calibration ID: L349001

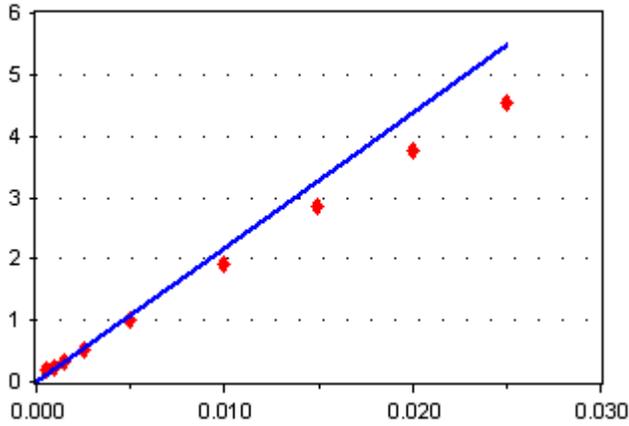
Calibration Date:
 Last Edit Date:

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EPA 625.1

2,2'-Oxybis(1-Chloropropane)

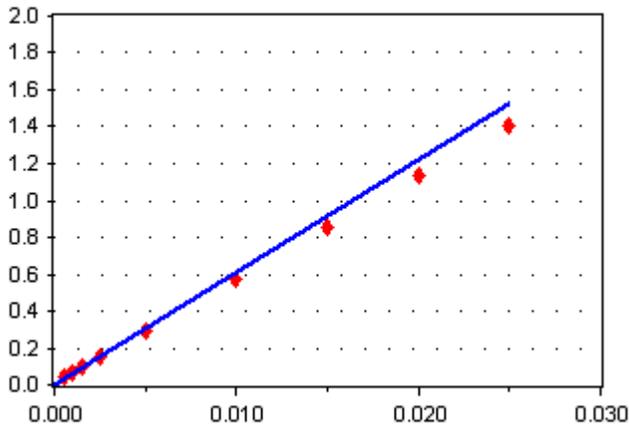
EPA 625.1 - 2,2'-Oxybis(1-Chloropropane)



Average RF
 RF RSD: 25.96933
 $[Conc] = 218.8069 * [Response]$

Hexachloroethane

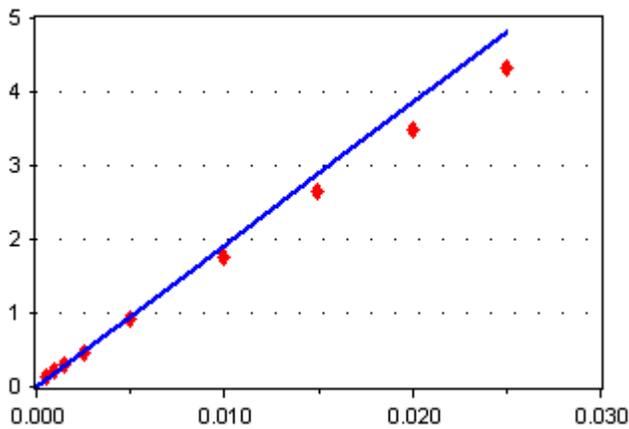
EPA 625.1 - Hexachloroethane



Average RF
 RF RSD: 11.6494
 $[Conc] = 60.99408 * [Response]$

3/4-Methylphenol (m-Cresol/p-Cresol)

EPA 625.1 - 3/4-Methylphenol (m-Cresol/p-Cresol)



Average RF
 RF RSD: 15.65853
 $[Conc] = 192.8713 * [Response]$

Instrument: ChemStation04
Calibration ID: L349001

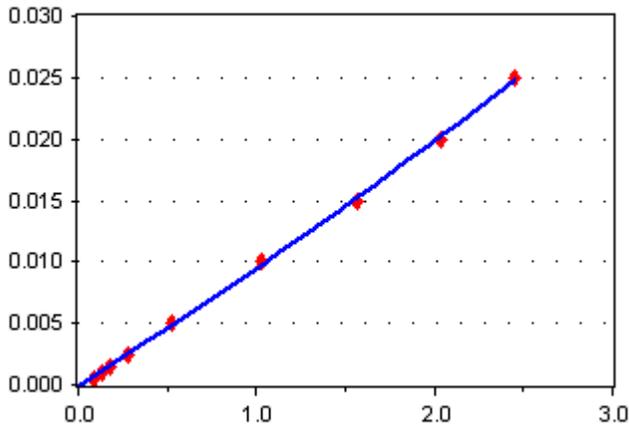
Calibration Date:
Last Edit Date:

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EPA 625.1

N-Nitroso-di-n-propylamine

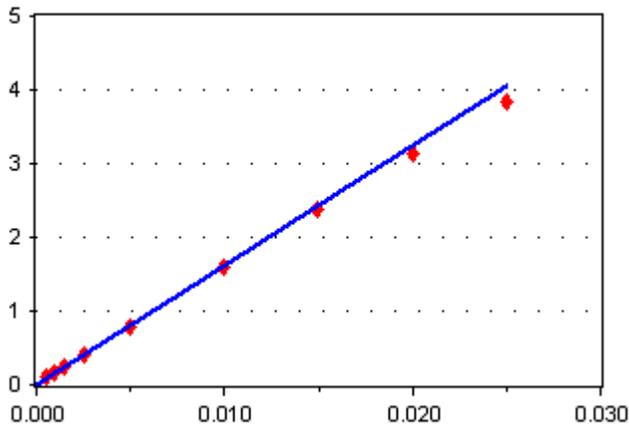
EPA 625.1 - N-Nitroso-di-n-propylamine



Quadratic Regression
Not Specified
Not Specified

Nitrobenzene-d5

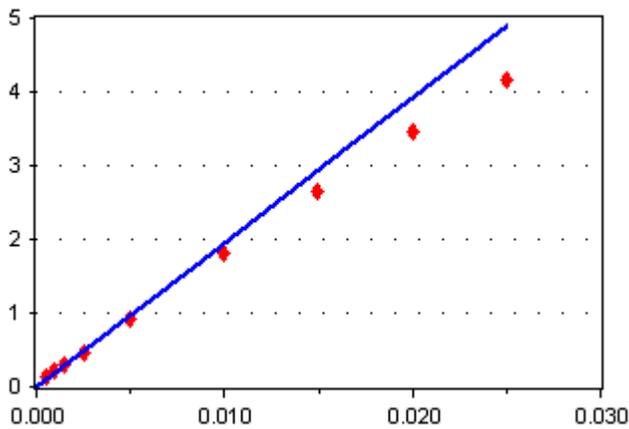
EPA 625.1 - Nitrobenzene-d5



Average RF
RF RSD: 6.94959
[Conc] = 162.3781 * [Response]

Nitrobenzene

EPA 625.1 - Nitrobenzene



Average RF
RF RSD: 15.7605
[Conc] = 195.7828 * [Response]

Instrument: ChemStation04
 Calibration ID: L349001

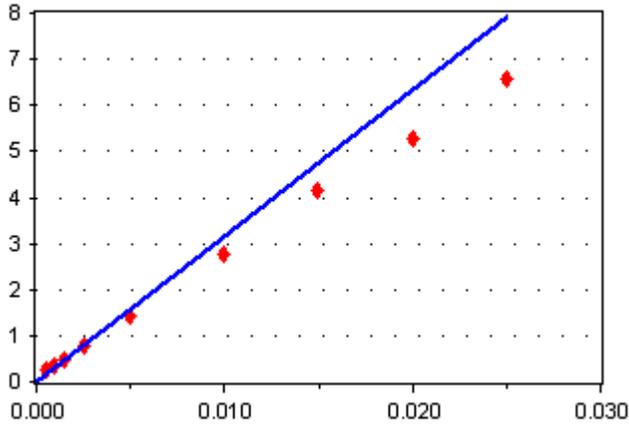
Calibration Date:
 Last Edit Date:

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EPA 625.1

Isophorone

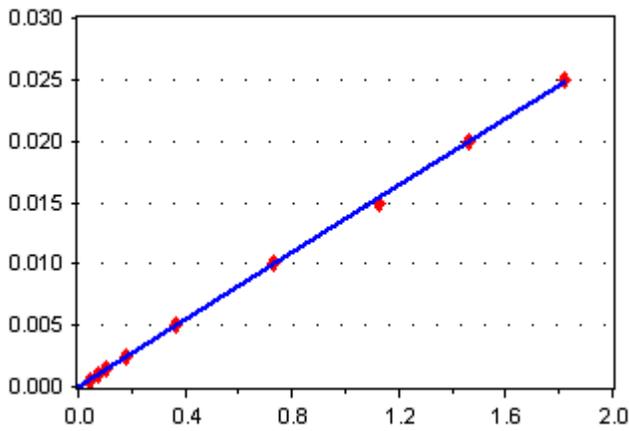
EPA 625.1 - Isophorone



Average RF
 RF RSD: 22.2731
 $[Conc] = 315.6881 * [Response]$

2-Nitrophenol

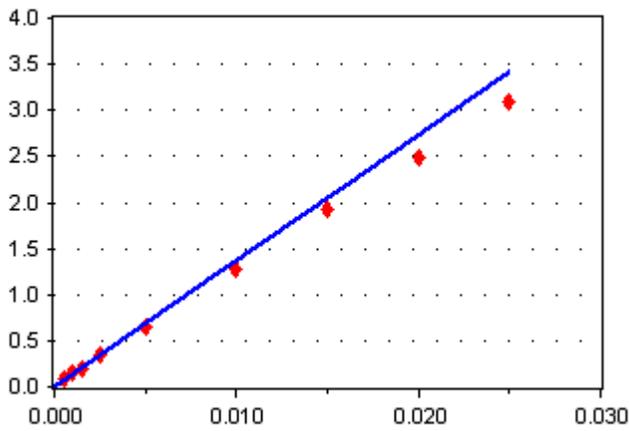
EPA 625.1 - 2-Nitrophenol



Linear Regression
 $r^2: 0.9996858$
 $[Conc] = 1.367253E-02 * [Response] + -1.273336E-05$

2,4-Dimethylphenol

EPA 625.1 - 2,4-Dimethylphenol



Average RF
 RF RSD: 12.18897
 $[Conc] = 136.3263 * [Response]$

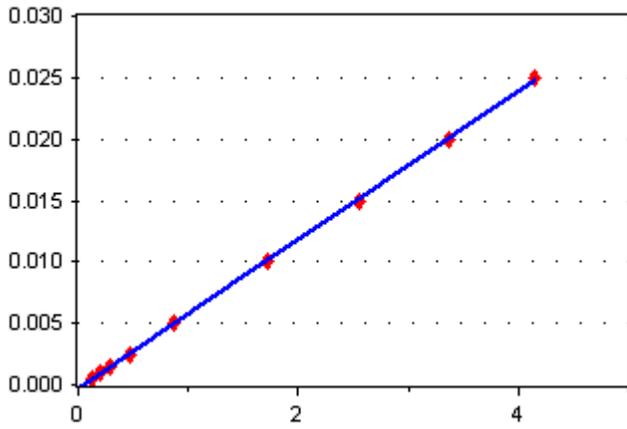
Instrument: ChemStation04
 Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
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EPA 625.1

bis(2-Chloroethoxy)methane

EPA 625.1 - bis(2-Chloroethoxy)methane



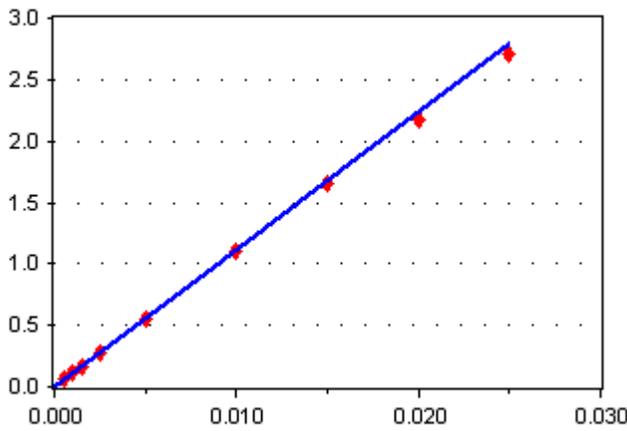
Linear Regression

r2: 0.9998134

$$[\text{Conc}] = 6.059457\text{E-}03 * [\text{Response}] + -3.214373\text{E-}04$$

2,4-Dichlorophenol

EPA 625.1 - 2,4-Dichlorophenol



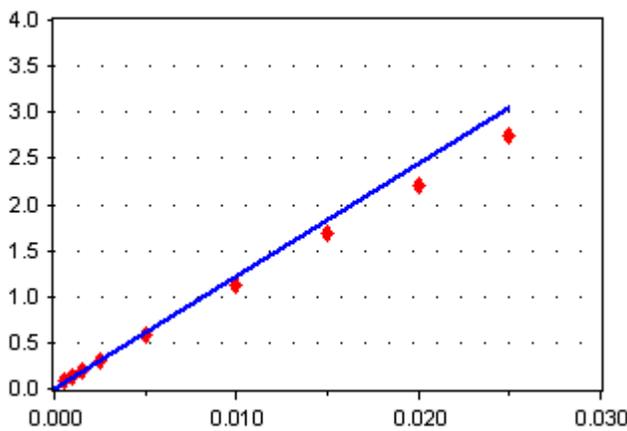
Average RF

RF RSD: 4.611991

$$[\text{Conc}] = 111.4697 * [\text{Response}]$$

1,2,4-Trichlorobenzene

EPA 625.1 - 1,2,4-Trichlorobenzene



Average RF

RF RSD: 13.26983

$$[\text{Conc}] = 122.2195 * [\text{Response}]$$

Instrument: ChemStation04
Calibration ID: L349001

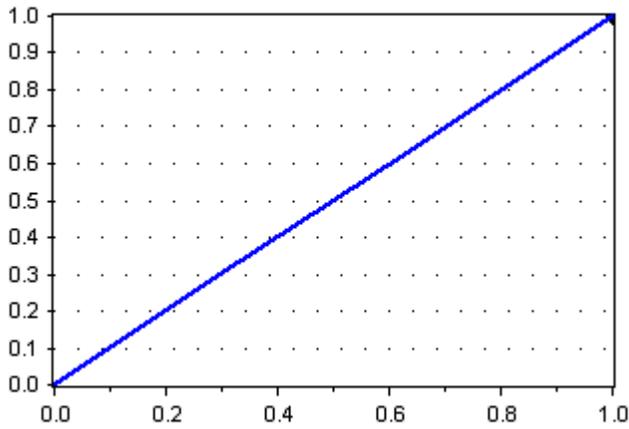
Calibration Date:
Last Edit Date:

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EPA 625.1

Naphthalene-d8

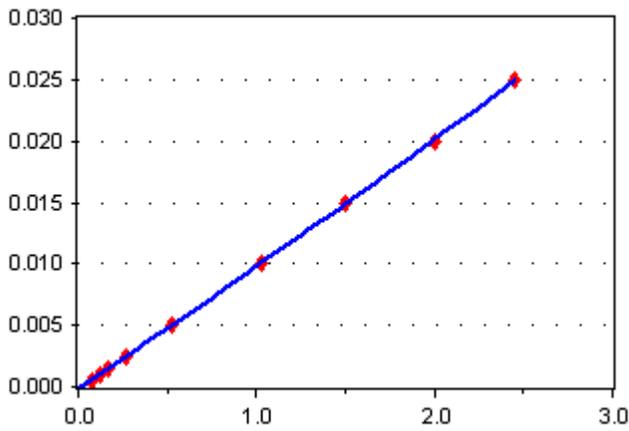
EPA 625.1 - Naphthalene-d8



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Naphthalene

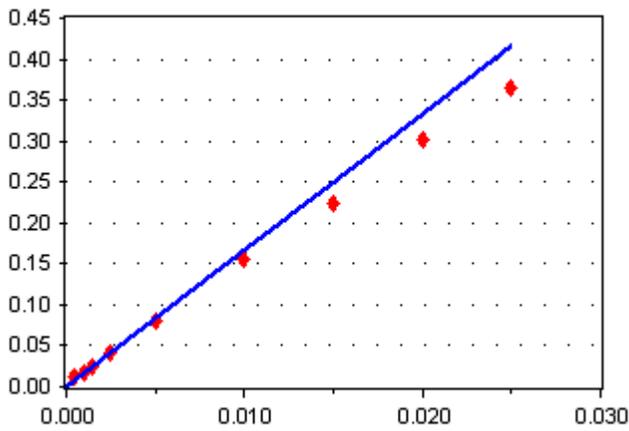
EPA 625.1 - Naphthalene



Quadratic Regression
Not Specified
Not Specified

Hexachlorobutadiene

EPA 625.1 - Hexachlorobutadiene



Average RF
RF RSD: 13.59696
[Conc] = 16.66024 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

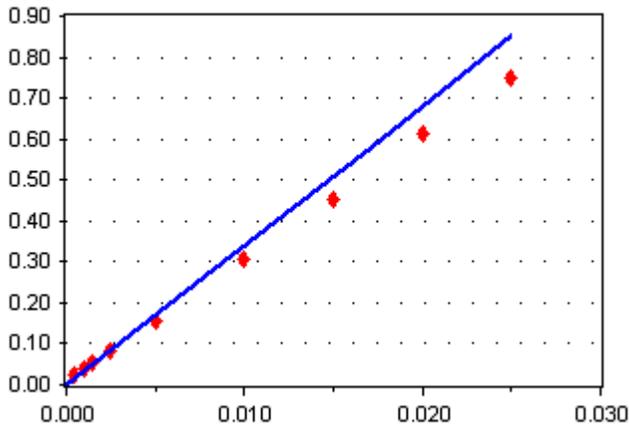
Calibration Date:
Last Edit Date:

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EPA 625.1

4-Chloro-3-methylphenol

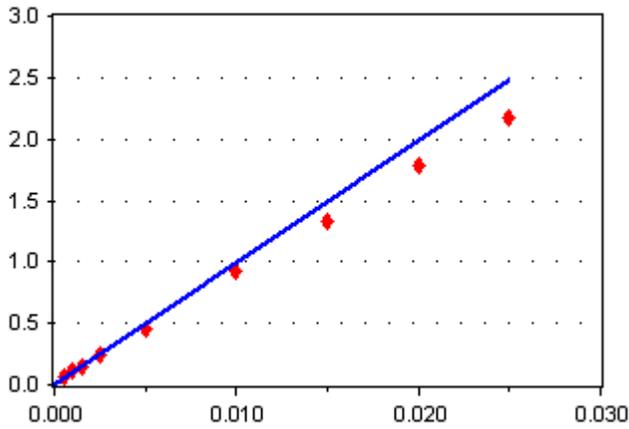
EPA 625.1 - 4-Chloro-3-methylphenol



Average RF
RF RSD: 17.66749
[Conc] = 33.97911 * [Response]

2-Methylnaphthalene

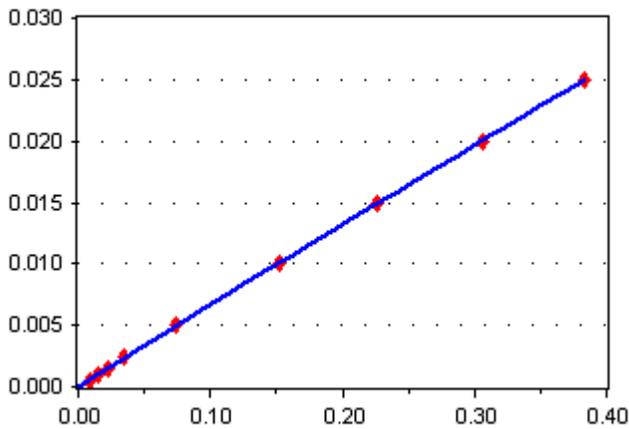
EPA 625.1 - 2-Methylnaphthalene



Average RF
RF RSD: 16.37288
[Conc] = 99.40323 * [Response]

Hexachlorocyclopentadiene

EPA 625.1 - Hexachlorocyclopentadiene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
Calibration ID: L349001

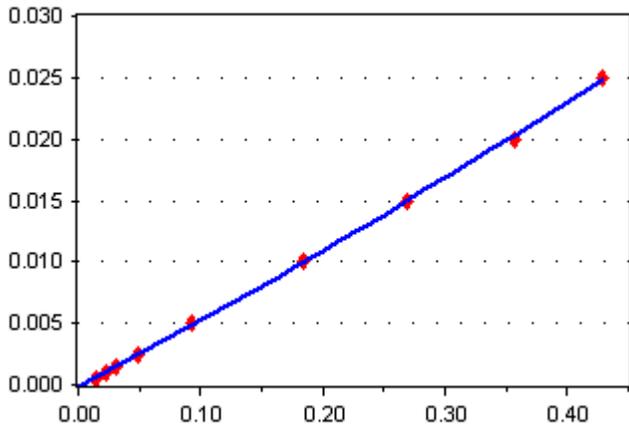
Calibration Date:
Last Edit Date:

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EPA 625.1

2,4,6-Trichlorophenol

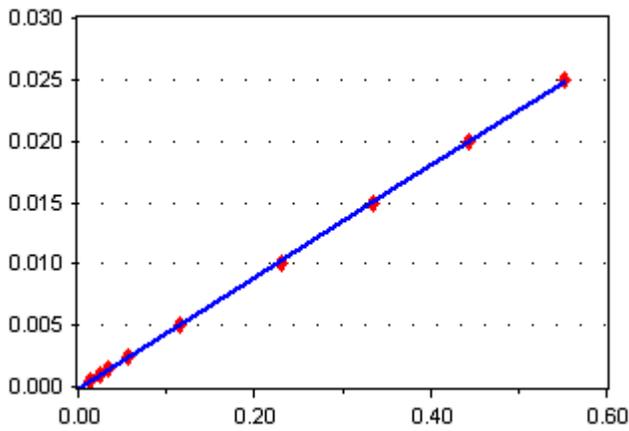
EPA 625.1 - 2,4,6-Trichlorophenol



Quadratic Regression
Not Specified
Not Specified

2,4,5-Trichlorophenol

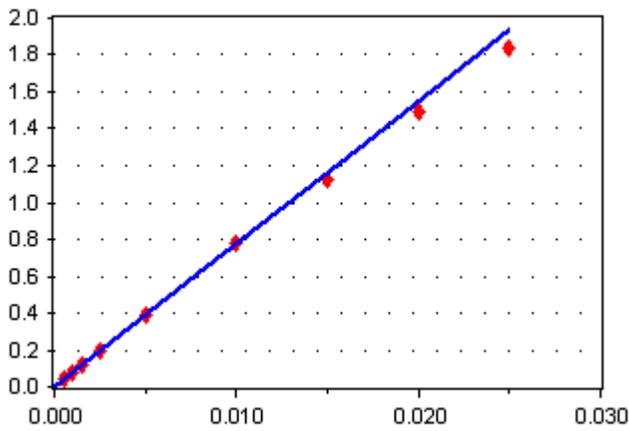
EPA 625.1 - 2,4,5-Trichlorophenol



Linear Regression
r2: 0.9997824
[Conc] = 4.529848E-02 * [Response] + -1.413175E-04

2-Fluorobiphenyl

EPA 625.1 - 2-Fluorobiphenyl



Average RF
RF RSD: 4.094617
[Conc] = 77.382 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

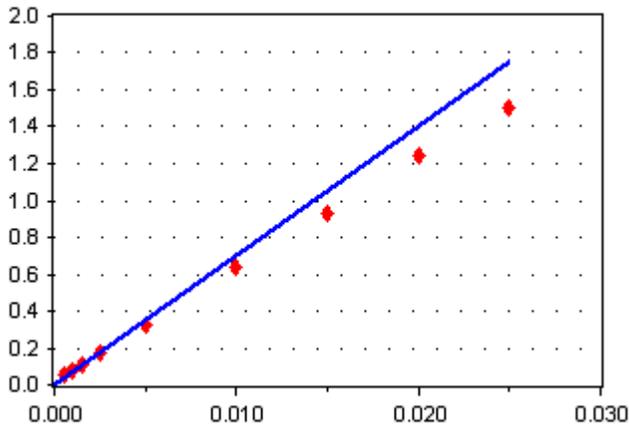
Calibration Date:
Last Edit Date:

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EPA 625.1

2-Chloronaphthalene

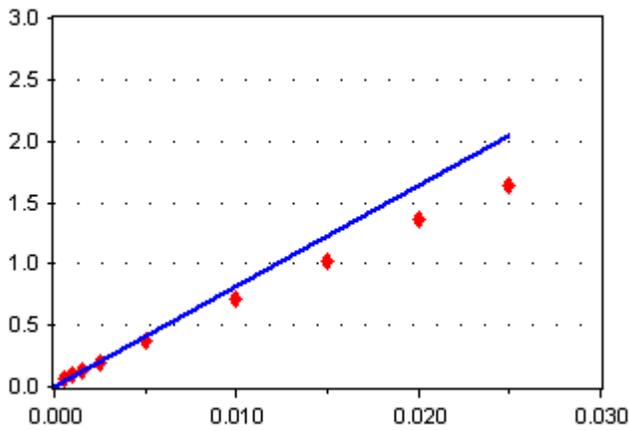
EPA 625.1 - 2-Chloronaphthalene



Average RF
RF RSD: 18.37525
[Conc] = 70.21397 * [Response]

Dimethyl phthalate

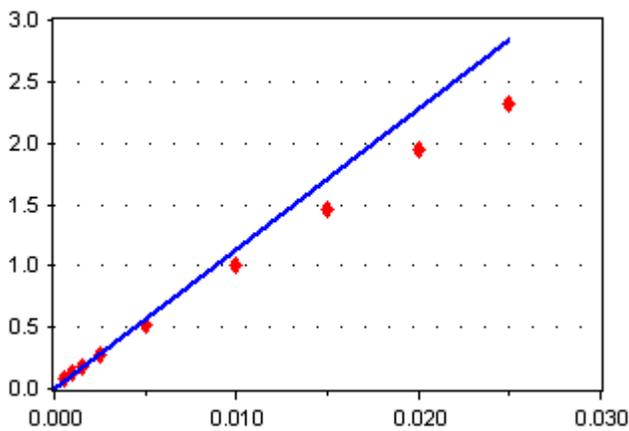
EPA 625.1 - Dimethyl phthalate



Average RF
RF RSD: 24.47655
[Conc] = 81.52064 * [Response]

Acenaphthylene

EPA 625.1 - Acenaphthylene



Average RF
RF RSD: 22.85803
[Conc] = 113.7143 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

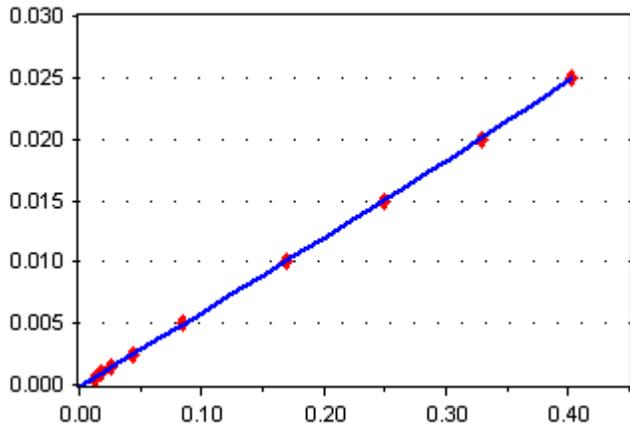
Calibration Date:
Last Edit Date:

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EPA 625.1

2,6-Dinitrotoluene

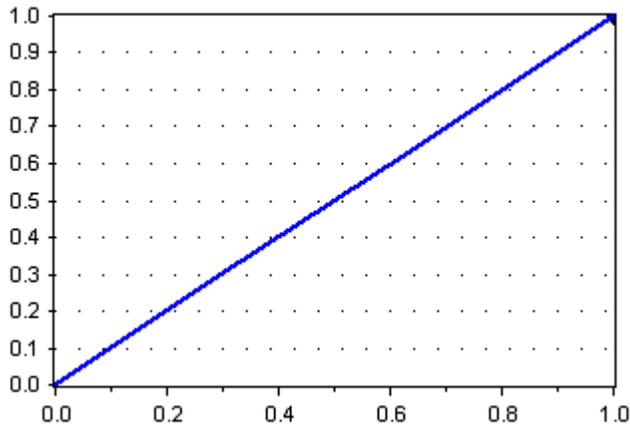
EPA 625.1 - 2,6-Dinitrotoluene



Quadratic Regression
Not Specified
Not Specified

Acenaphthene-d10

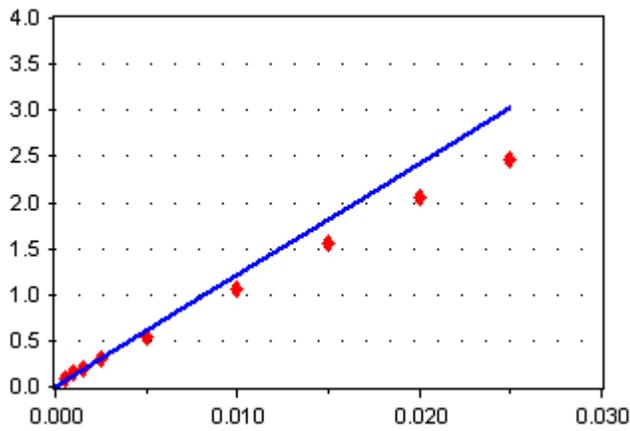
EPA 625.1 - Acenaphthene-d10



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Acenaphthene

EPA 625.1 - Acenaphthene



Average RF
RF RSD: 23.02799
[Conc] = 120.9437 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

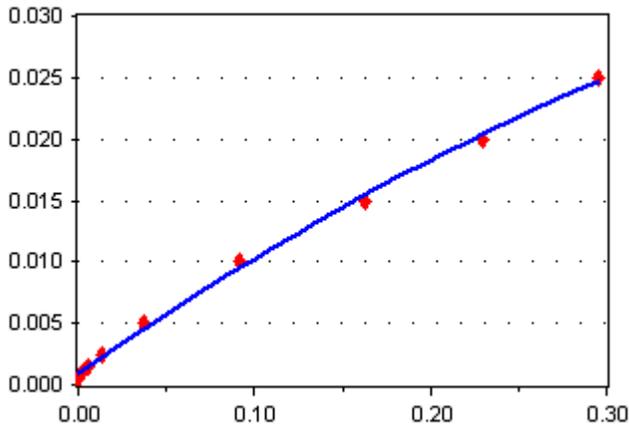
Calibration Date:
Last Edit Date:

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EPA 625.1

2,4-Dinitrophenol

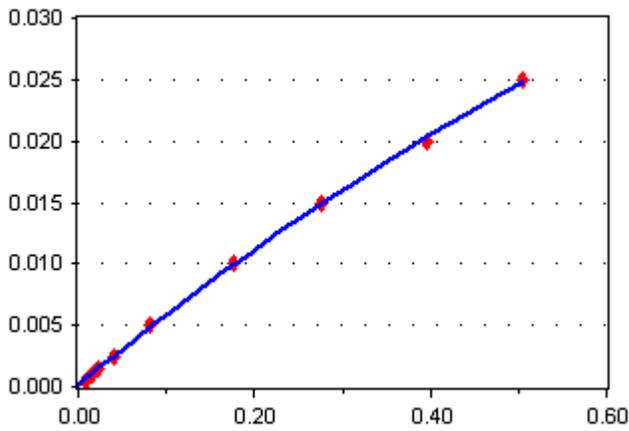
EPA 625.1 - 2,4-Dinitrophenol



Quadratic Regression
Not Specified
Not Specified

4-Nitrophenol

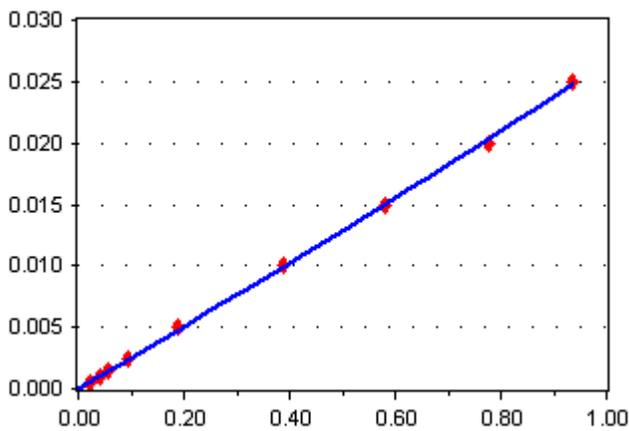
EPA 625.1 - 4-Nitrophenol



Quadratic Regression
Not Specified
Not Specified

2,4-Dinitrotoluene

EPA 625.1 - 2,4-Dinitrotoluene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
 Calibration ID: L349001

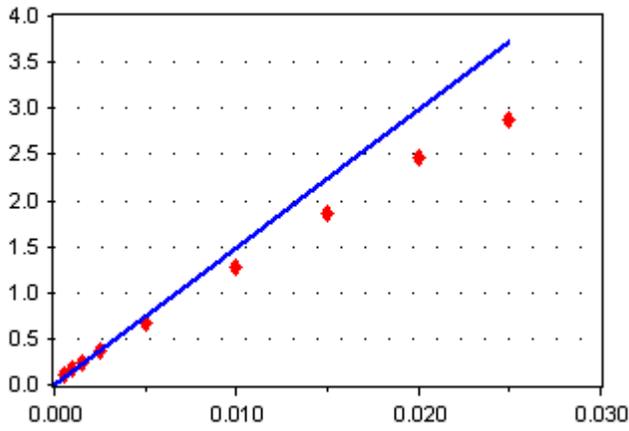
Calibration Date:
 Last Edit Date:

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EPA 625.1

Fluorene

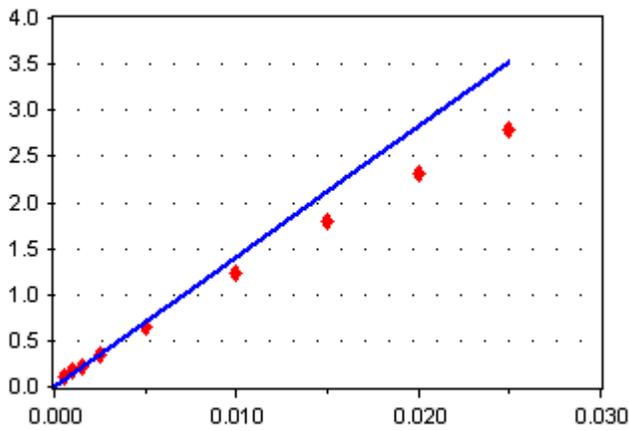
EPA 625.1 - Fluorene



Average RF
 RF RSD: 25.96425
 $[Conc] = 149.0411 * [Response]$

Diethyl phthalate

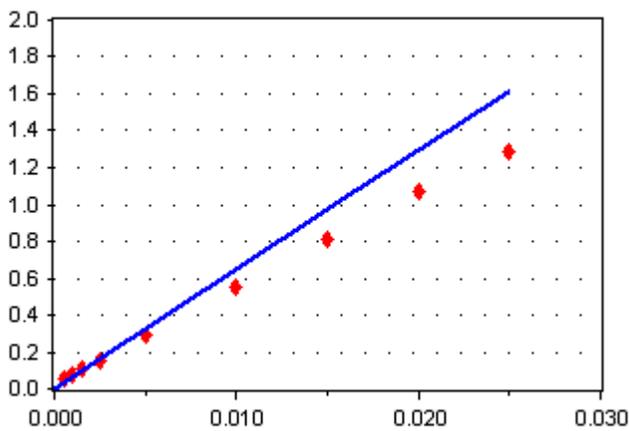
EPA 625.1 - Diethyl phthalate



Average RF
 RF RSD: 24.88987
 $[Conc] = 141.2376 * [Response]$

4-Chlorophenyl phenyl ether

EPA 625.1 - 4-Chlorophenyl phenyl ether



Average RF
 RF RSD: 25.12364
 $[Conc] = 64.63134 * [Response]$

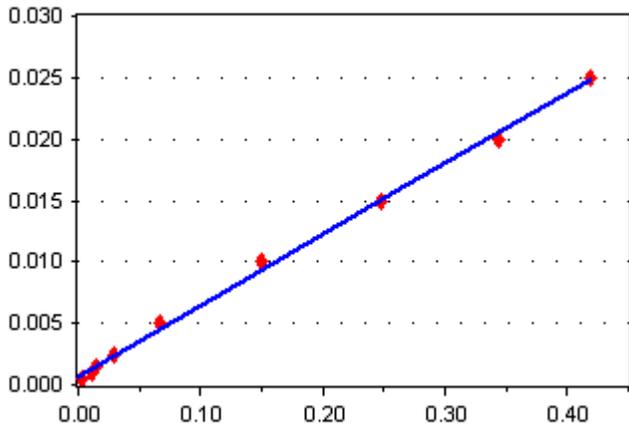
Instrument: ChemStation04
 Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
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EPA 625.1

4,6-Dinitro-2-methylphenol

EPA 625.1 - 4,6-Dinitro-2-methylphenol



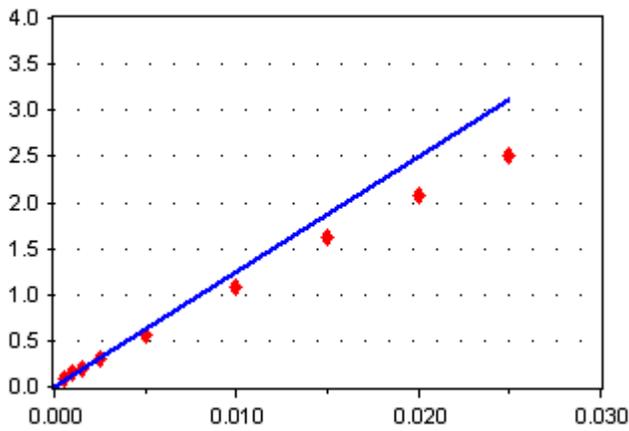
Linear Regression

r2: 0.9981688

$[Conc] = 5.759447E-02 * [Response] + 7.039891E-04$

N-Nitrosodiphenylamine

EPA 625.1 - N-Nitrosodiphenylamine



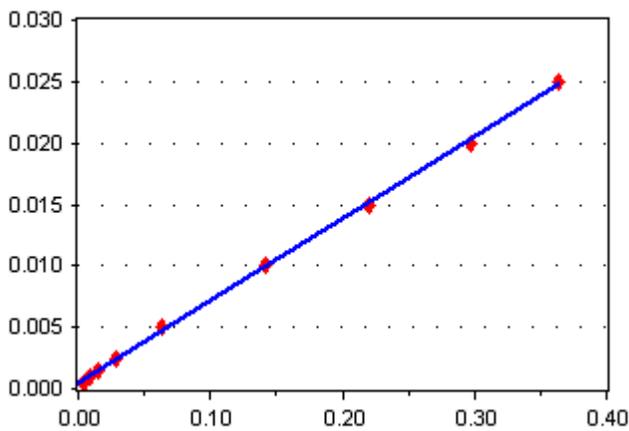
Average RF

RF RSD: 23.44896

$[Conc] = 124.917 * [Response]$

2,4,6-Tribromophenol

EPA 625.1 - 2,4,6-Tribromophenol



Linear Regression

r2: 0.9994431

$[Conc] = 6.669855E-02 * [Response] + 4.694293E-04$

Instrument: ChemStation04
Calibration ID: L349001

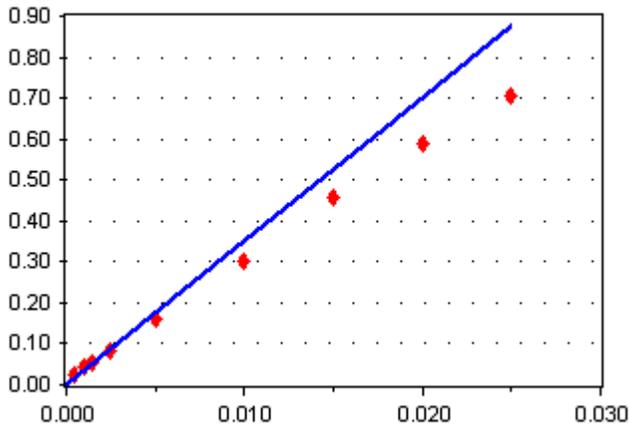
Calibration Date:
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EPA 625.1

4-Bromophenyl phenyl ether

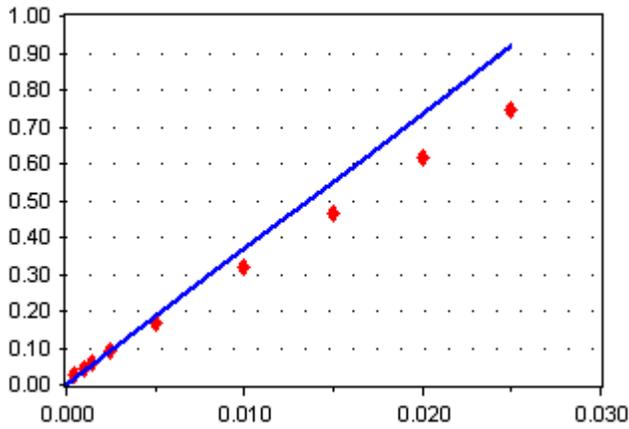
EPA 625.1 - 4-Bromophenyl phenyl ether



Average RF
RF RSD: 22.55354
[Conc] = 35.00481 * [Response]

Hexachlorobenzene

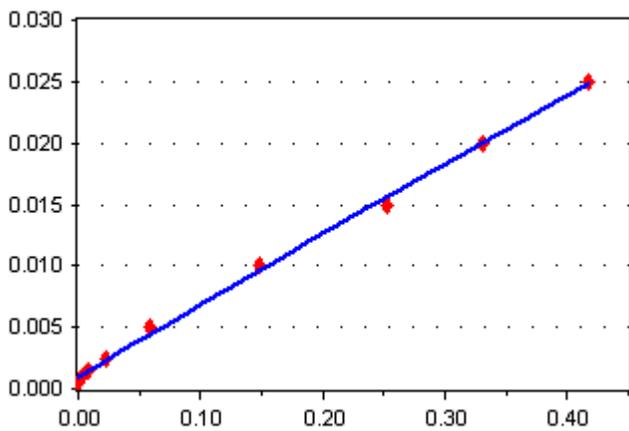
EPA 625.1 - Hexachlorobenzene



Average RF
RF RSD: 22.87104
[Conc] = 36.73907 * [Response]

Pentachlorophenol

EPA 625.1 - Pentachlorophenol



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
Calibration ID: L349001

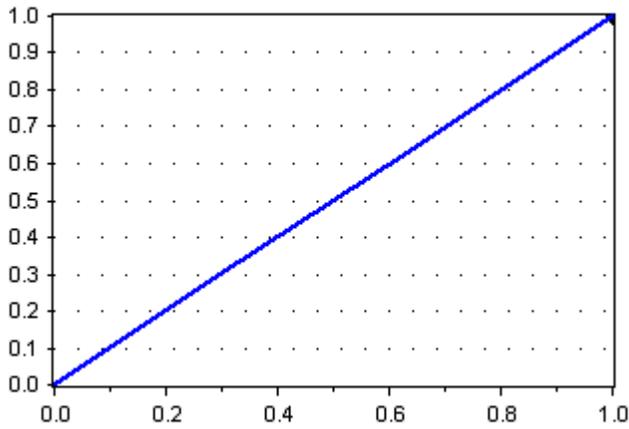
Calibration Date:
Last Edit Date:

12/04/2023 13:17 By JEM
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EPA 625.1

Phenanthrene-d10

EPA 625.1 - Phenanthrene-d10



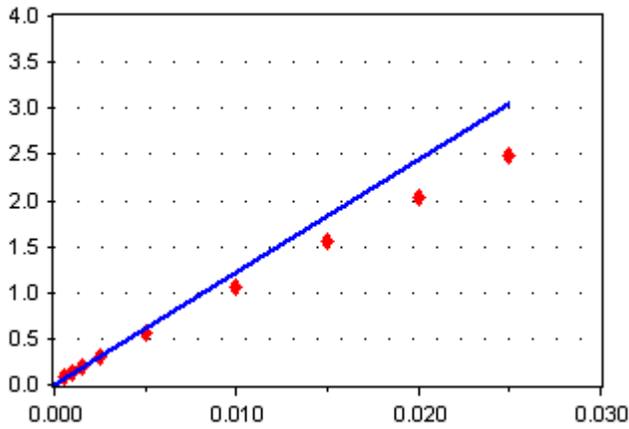
Average RF

RF RSD: 0

$[Conc] = 1 * [Response]$

Phenanthrene

EPA 625.1 - Phenanthrene



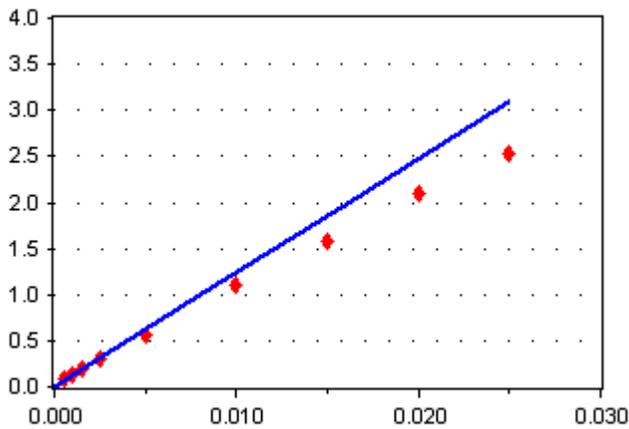
Average RF

RF RSD: 23.81682

$[Conc] = 121.8469 * [Response]$

Anthracene

EPA 625.1 - Anthracene



Average RF

RF RSD: 23.78281

$[Conc] = 123.4401 * [Response]$

Instrument: ChemStation04
 Calibration ID: L349001

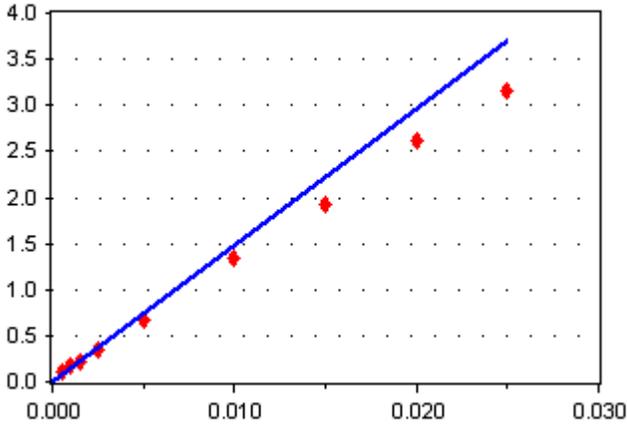
Calibration Date:
 Last Edit Date:

12/04/2023 13:17 By JEM
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EPA 625.1

Di-n-butyl phthalate

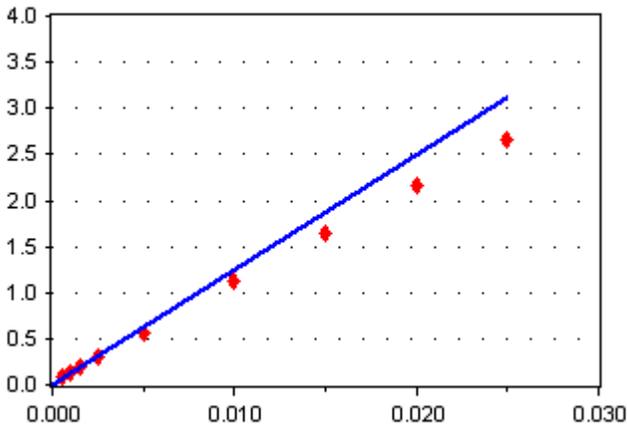
EPA 625.1 - Di-n-butyl phthalate



Average RF
 RF RSD: 21.05729
 $[Conc] = 148.1653 * [Response]$

Fluoranthene

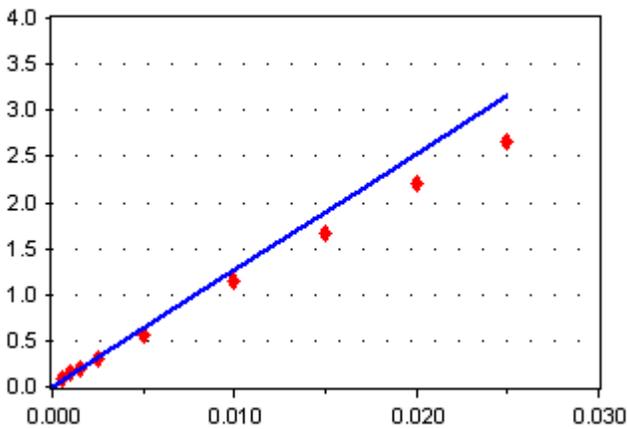
EPA 625.1 - Fluoranthene



Average RF
 RF RSD: 20.91914
 $[Conc] = 124.9637 * [Response]$

Pyrene

EPA 625.1 - Pyrene



Average RF
 RF RSD: 20.8875
 $[Conc] = 126.4289 * [Response]$

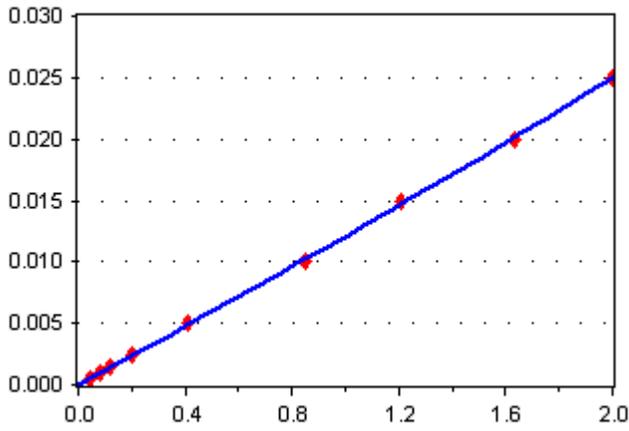
Instrument: ChemStation04
Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
Last Edit Date: 12/04/2023 13:17 By JEM

EPA 625.1

Terphenyl-d14

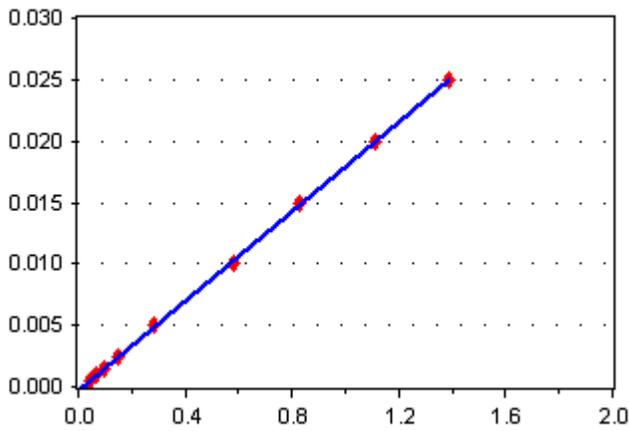
EPA 625.1 - Terphenyl-d14



Quadratic Regression
Not Specified
Not Specified

Butyl benzyl phthalate

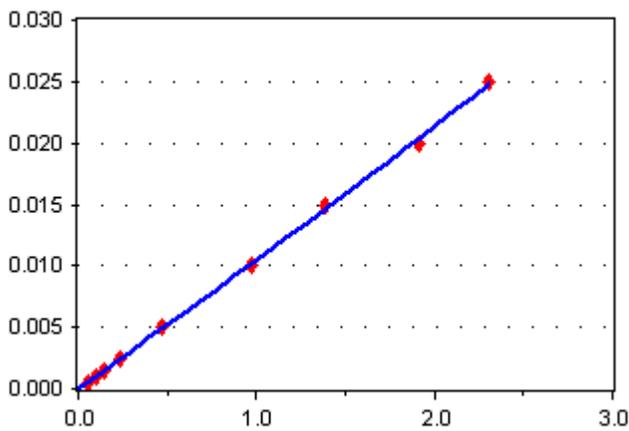
EPA 625.1 - Butyl benzyl phthalate



Linear Regression
r2: 0.9997478
[Conc] = 1.816561E-02 * [Response] + -2.677332E-04

Benzo(a)anthracene

EPA 625.1 - Benzo(a)anthracene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
 Calibration ID: L349001

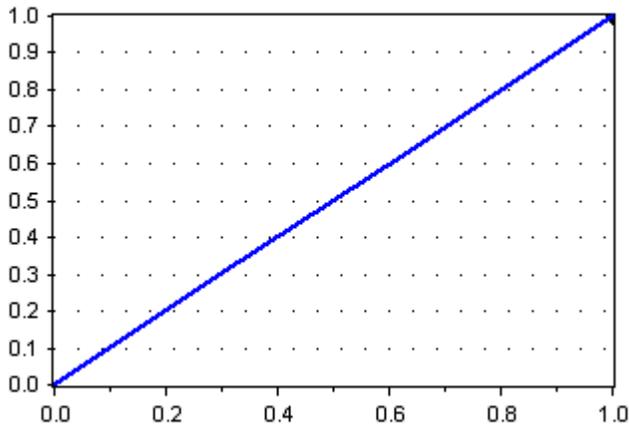
Calibration Date:
 Last Edit Date:

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EPA 625.1

Chrysene-d12

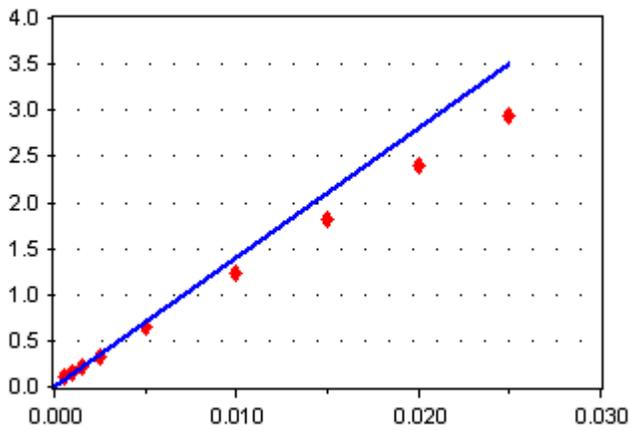
EPA 625.1 - Chrysene-d12



Average RF
 RF RSD: 0
 $[Conc] = 1 * [Response]$

Chrysene

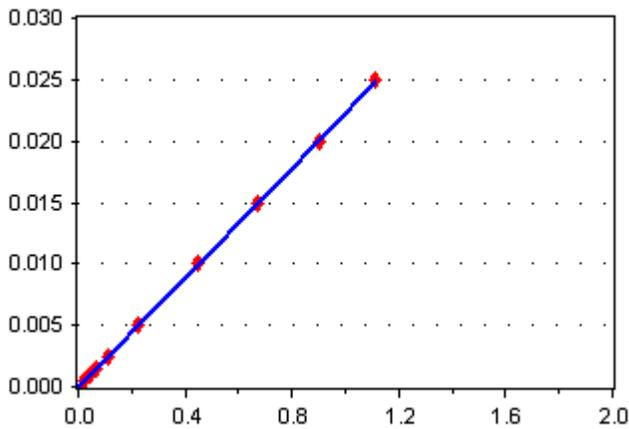
EPA 625.1 - Chrysene



Average RF
 RF RSD: 20.98244
 $[Conc] = 139.7367 * [Response]$

3,3'-Dichlorobenzidine

EPA 625.1 - 3,3'-Dichlorobenzidine



Linear Regression
 $r^2: 0.9999307$
 $[Conc] = 2.236355E-02 * [Response] + -3.301851E-05$

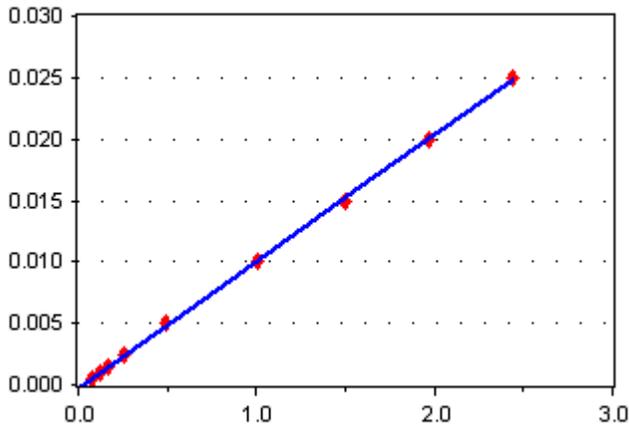
Instrument: ChemStation04
Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
Last Edit Date: 12/04/2023 13:17 By JEM

EPA 625.1

Bis(2-Ethylhexyl)phthalate

EPA 625.1 - Bis(2-Ethylhexyl)phthalate



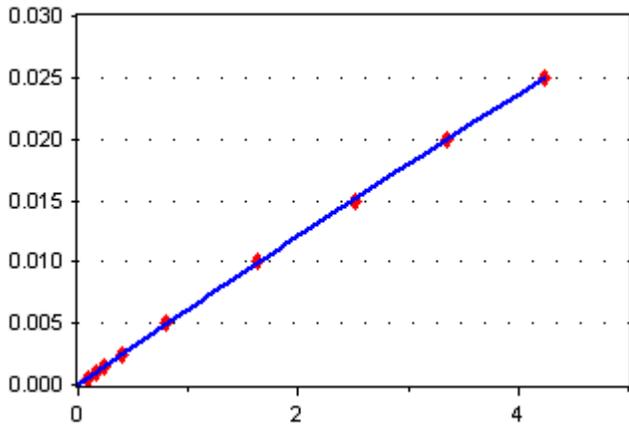
Linear Regression

r2: 0.9998161

$$[\text{Conc}] = 1.028585\text{E-}02 * [\text{Response}] + -2.541816\text{E-}04$$

Di-n-octyl phthalate

EPA 625.1 - Di-n-octyl phthalate



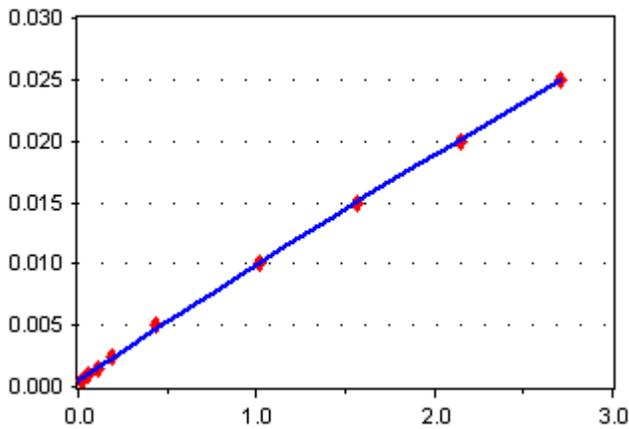
Quadratic Regression

Not Specified

Not Specified

Benzo(b)fluoranthene

EPA 625.1 - Benzo(b)fluoranthene



Quadratic Regression

Not Specified

Not Specified

Instrument: ChemStation04
Calibration ID: L349001

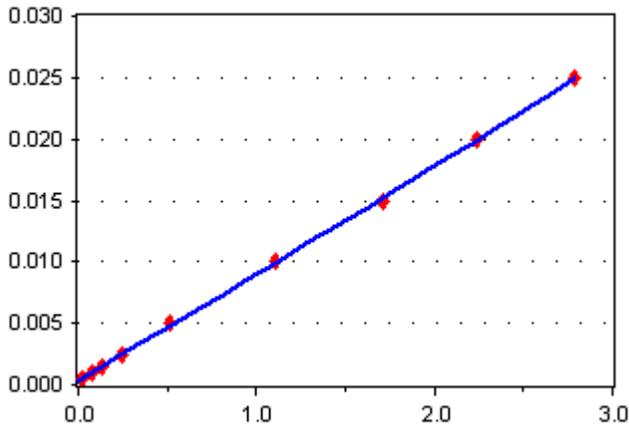
Calibration Date:
Last Edit Date:

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EPA 625.1

Benzo(k)fluoranthene

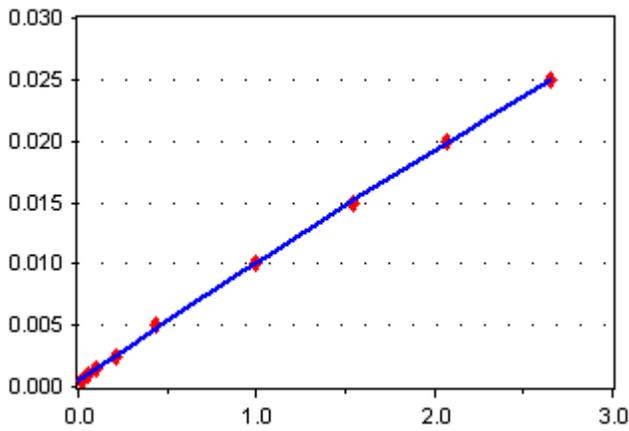
EPA 625.1 - Benzo(k)fluoranthene



Quadratic Regression
Not Specified
Not Specified

Benzo(a)pyrene

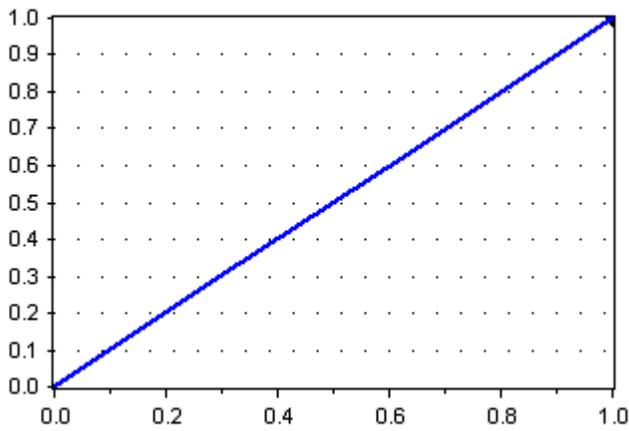
EPA 625.1 - Benzo(a)pyrene



Quadratic Regression
Not Specified
Not Specified

Perylene-d12

EPA 625.1 - Perylene-d12



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

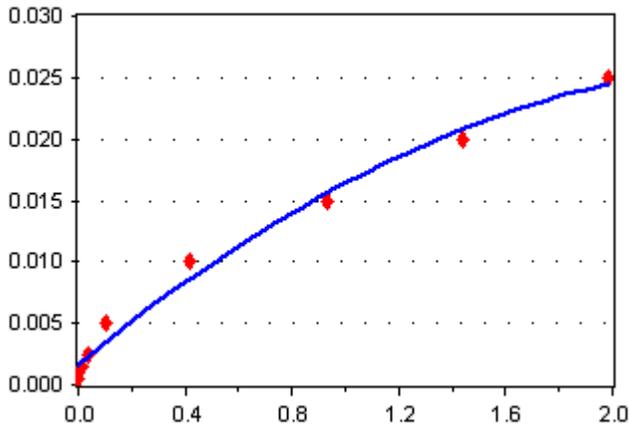
Calibration Date:
Last Edit Date:

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EPA 625.1

Indeno(1,2,3-cd)pyrene

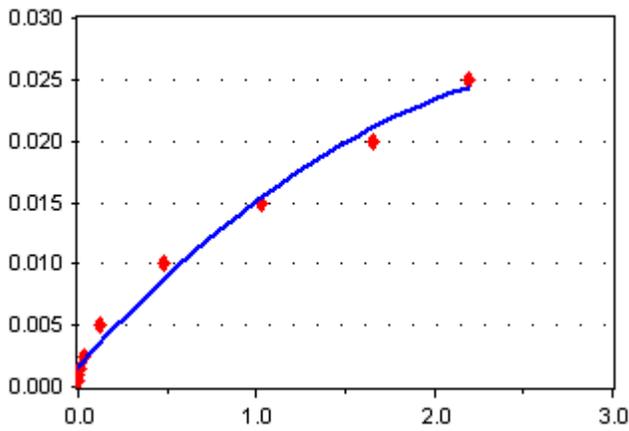
EPA 625.1 - Indeno(1,2,3-cd)pyrene



Quadratic Regression
Not Specified
Not Specified

Dibenzo(a,h)anthracene

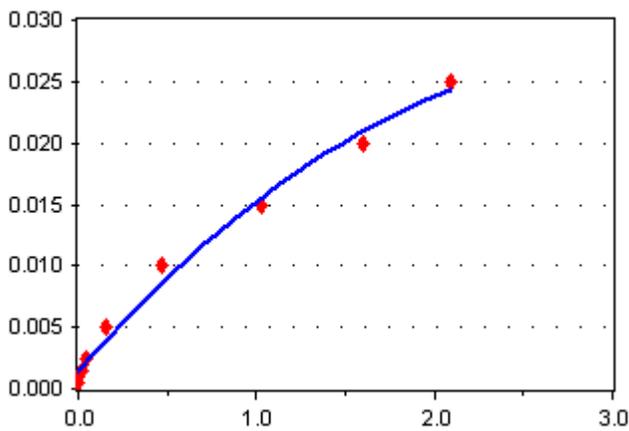
EPA 625.1 - Dibenzo(a,h)anthracene



Quadratic Regression
Not Specified
Not Specified

Benzo(g,h,i)perylene

EPA 625.1 - Benzo(g,h,i)perylene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
 Calibration ID: L349001

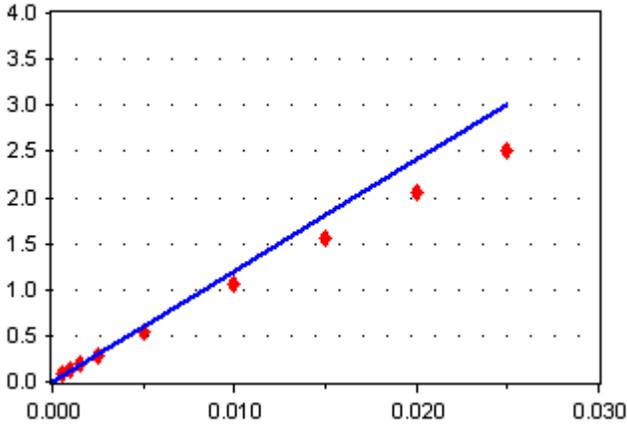
Calibration Date:
 Last Edit Date:

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EPA 625.1

Carbazole

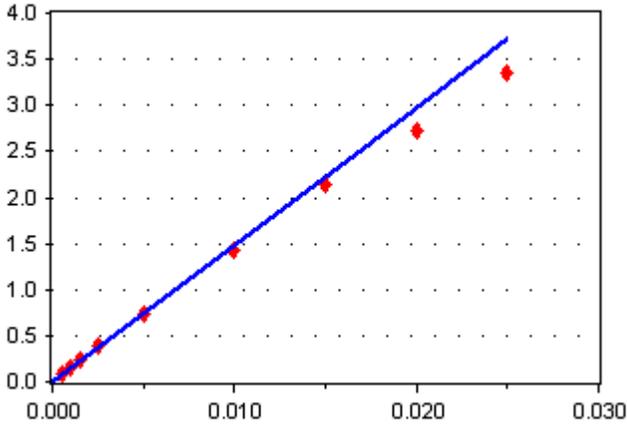
EPA 625.1 - Carbazole



Average RF
 RF RSD: 23.11068
 $[Conc] = 120.4635 * [Response]$

n-Decane

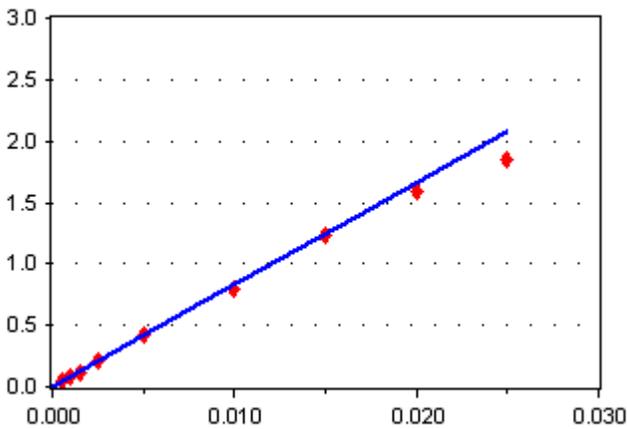
EPA 625.1 - n-Decane



Average RF
 RF RSD: 7.997152
 $[Conc] = 148.4319 * [Response]$

n-Octadecane

EPA 625.1 - n-Octadecane



Average RF
 RF RSD: 7.936635
 $[Conc] = 82.78428 * [Response]$

EPA 8270 E

Instrument: ChemStation04
Calibration ID: L349001

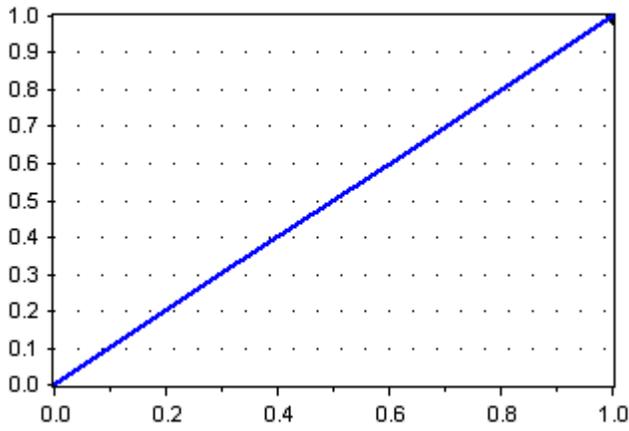
Calibration Date:
Last Edit Date:

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EPA 8270 E

1,4-Dichlorobenzene-d4

EPA 8270 E - 1,4-Dichlorobenzene-d4



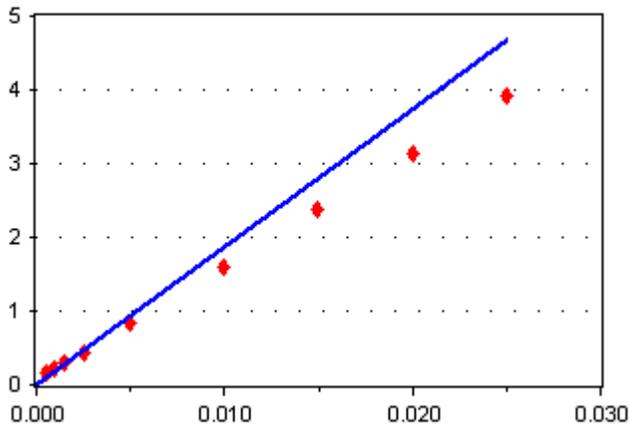
Average RF

RF RSD: 0

$[Conc] = 1 * [Response]$

Pyridine

EPA 8270 E - Pyridine



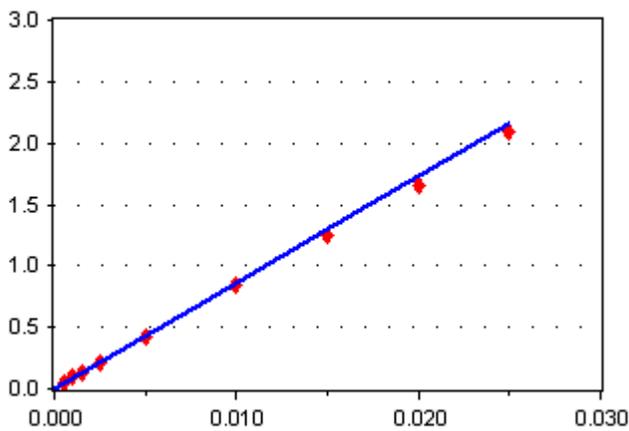
Average RF

RF RSD: 25.51273

$[Conc] = 186.9218 * [Response]$

N-Nitrosodimethylamine

EPA 8270 E - N-Nitrosodimethylamine



Average RF

RF RSD: 6.455757

$[Conc] = 86.16574 * [Response]$

Instrument: ChemStation04
Calibration ID: L349001

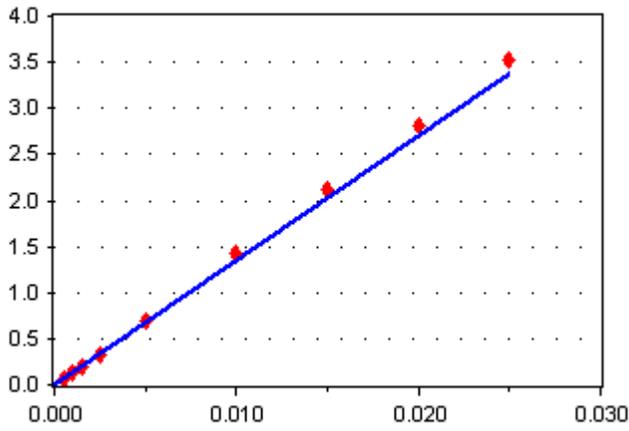
Calibration Date:
Last Edit Date:

12/04/2023 13:17 By JEM
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EPA 8270 E

2-Fluorophenol

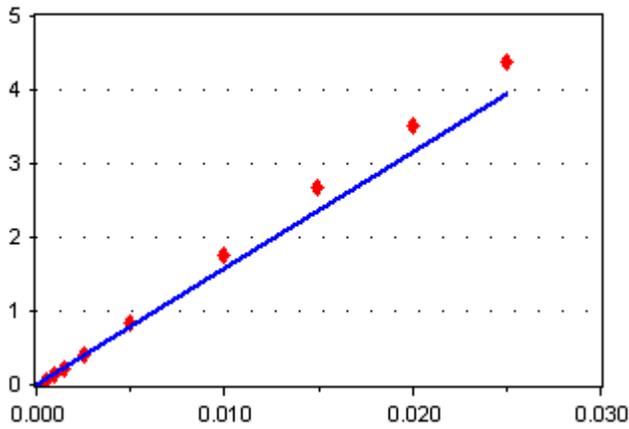
EPA 8270 E - 2-Fluorophenol



Average RF
RF RSD: 4.820471
[Conc] = 135.2438 * [Response]

Phenol-d6

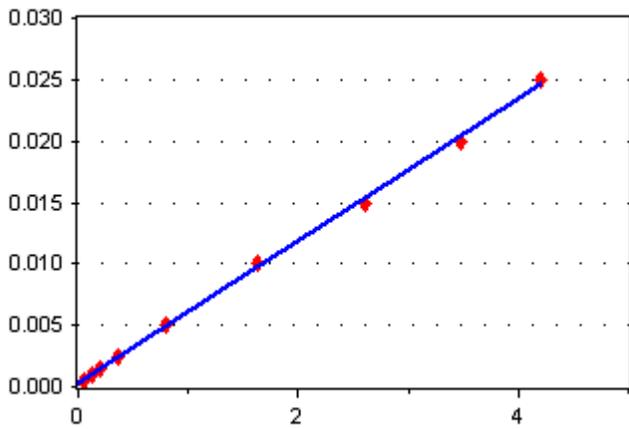
EPA 8270 E - Phenol-d6



Average RF
RF RSD: 14.54824
[Conc] = 158.0223 * [Response]

Phenol

EPA 8270 E - Phenol



Linear Regression
r2: 0.9991607
[Conc] = 5.770325E-03 * [Response] + 3.282314E-04

Instrument: ChemStation04
 Calibration ID: L349001

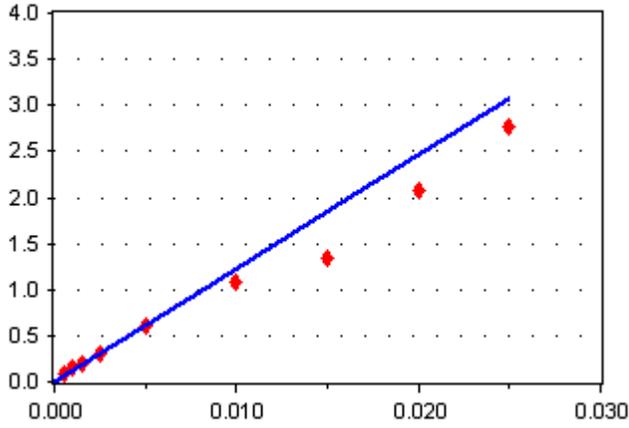
Calibration Date:
 Last Edit Date:

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EPA 8270 E

Aniline

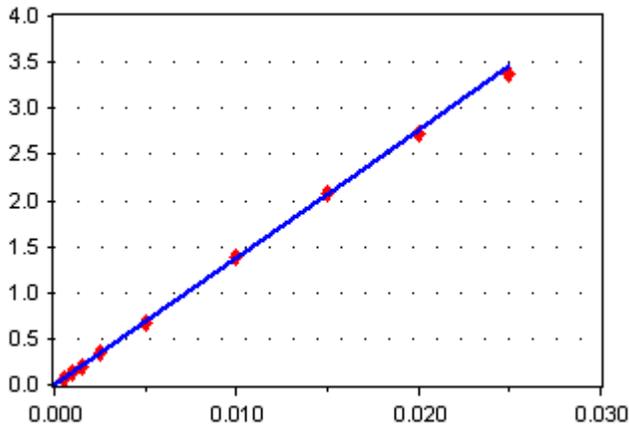
EPA 8270 E - Aniline



Average RF
 RF RSD: 20.75426
 $[Conc] = 123.1898 * [Response]$

2-Chlorophenol

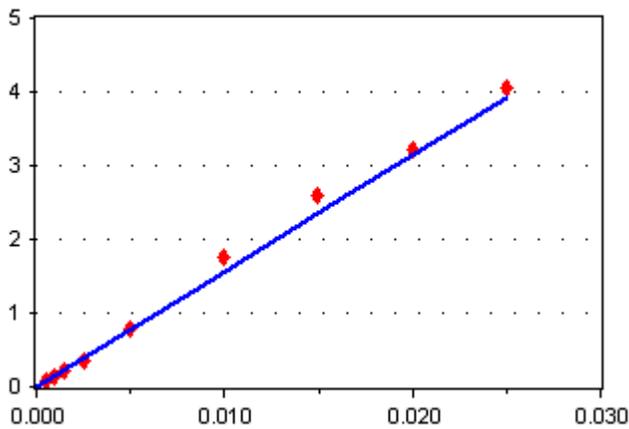
EPA 8270 E - 2-Chlorophenol



Average RF
 RF RSD: 3.577854
 $[Conc] = 138.1612 * [Response]$

Bis(2-Chloroethyl)ether

EPA 8270 E - Bis(2-Chloroethyl)ether



Average RF
 RF RSD: 9.052147
 $[Conc] = 156.6608 * [Response]$

Instrument: ChemStation04
Calibration ID: L349001

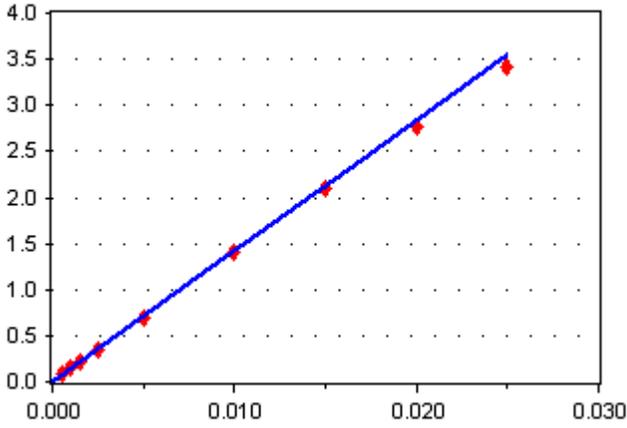
Calibration Date:
Last Edit Date:

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EPA 8270 E

1,3-Dichlorobenzene

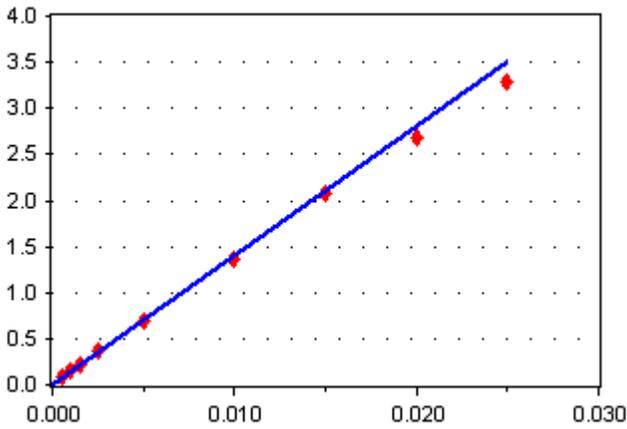
EPA 8270 E - 1,3-Dichlorobenzene



Average RF
RF RSD: 3.63526
[Conc] = 141.73 * [Response]

1,4-Dichlorobenzene

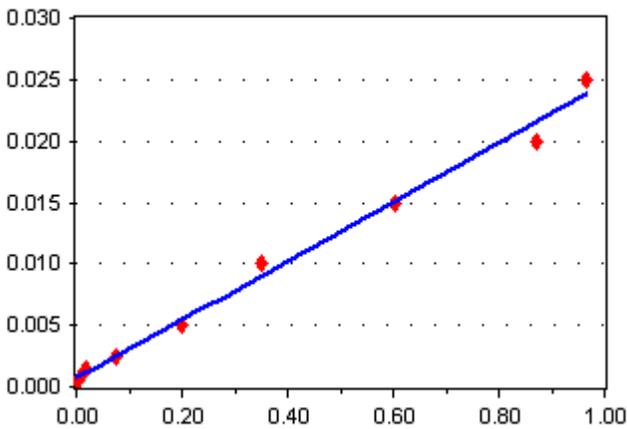
EPA 8270 E - 1,4-Dichlorobenzene



Average RF
RF RSD: 5.398748
[Conc] = 140.4302 * [Response]

Benzyl alcohol

EPA 8270 E - Benzyl alcohol



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
 Calibration ID: L349001

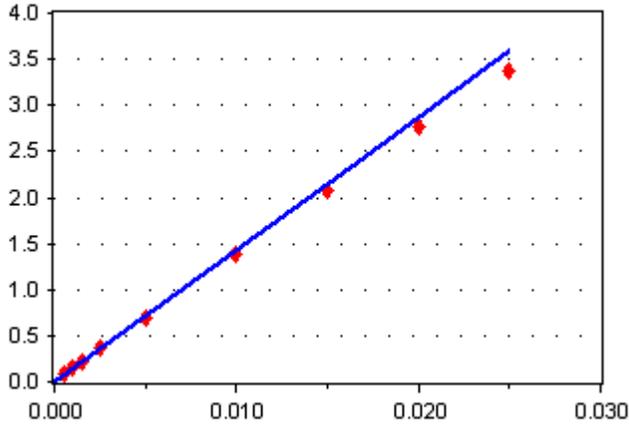
Calibration Date:
 Last Edit Date:

12/04/2023 13:17 By JEM
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EPA 8270 E

1,2-Dichlorobenzene

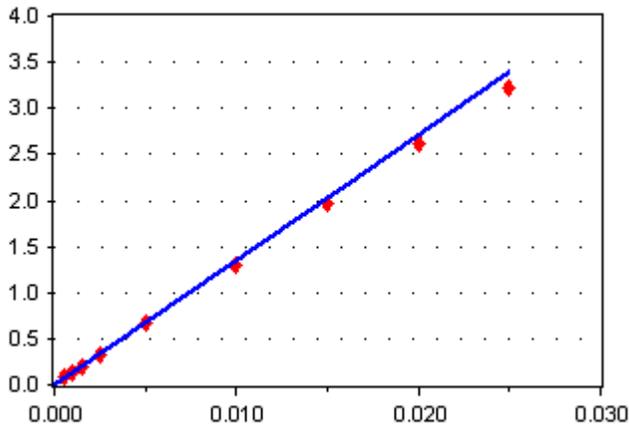
EPA 8270 E - 1,2-Dichlorobenzene



Average RF
 RF RSD: 5.942934
 $[Conc] = 143.2592 * [Response]$

2-Methylphenol

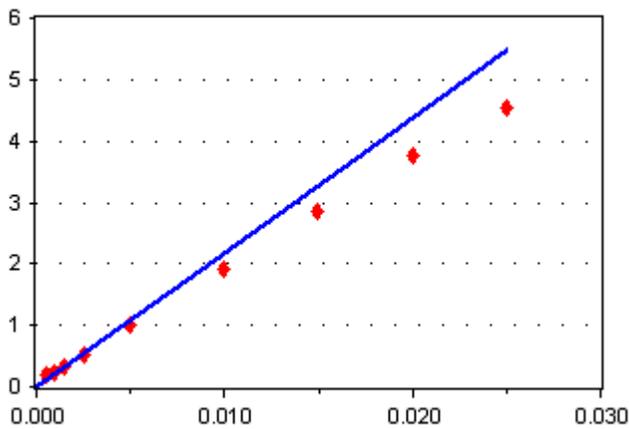
EPA 8270 E - 2-Methylphenol



Average RF
 RF RSD: 8.499691
 $[Conc] = 135.4967 * [Response]$

2,2'-Oxybis(1-Chloropropane)

EPA 8270 E - 2,2'-Oxybis(1-Chloropropane)



Average RF
 RF RSD: 25.96933
 $[Conc] = 218.8069 * [Response]$

Instrument: ChemStation04
Calibration ID: L349001

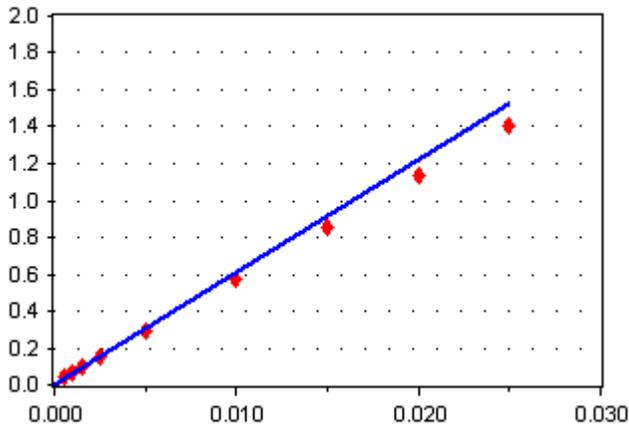
Calibration Date:
Last Edit Date:

12/04/2023 13:17 By JEM
12/04/2023 13:17 By JEM

EPA 8270 E

Hexachloroethane

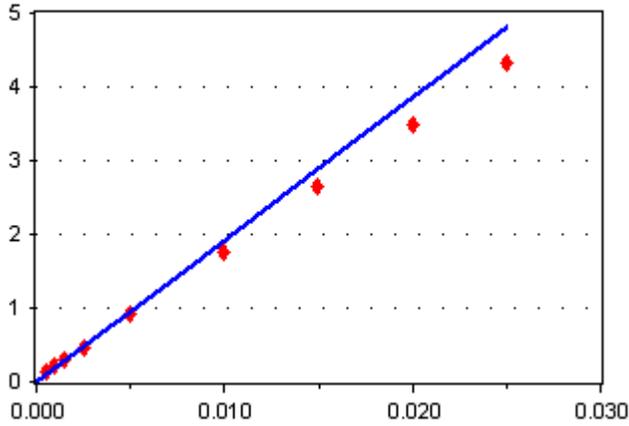
EPA 8270 E - Hexachloroethane



Average RF
RF RSD: 11.6494
[Conc] = 60.99408 * [Response]

3/4-Methylphenol (m-Cresol/p-Cresol)

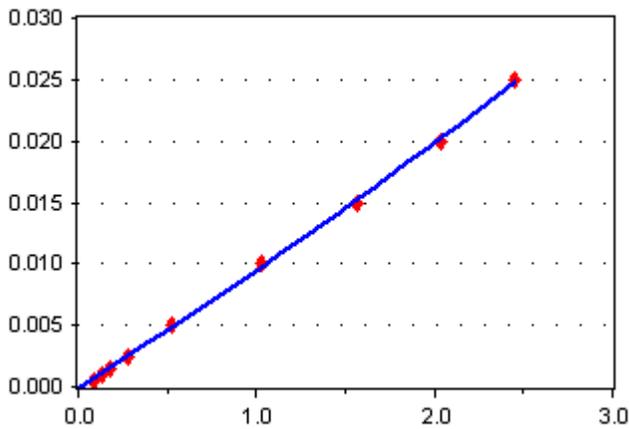
EPA 8270 E - 3/4-Methylphenol (m-Cresol/p-Cresol)



Average RF
RF RSD: 15.65853
[Conc] = 192.8713 * [Response]

N-Nitroso-di-n-propylamine

EPA 8270 E - N-Nitroso-di-n-propylamine



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
Calibration ID: L349001

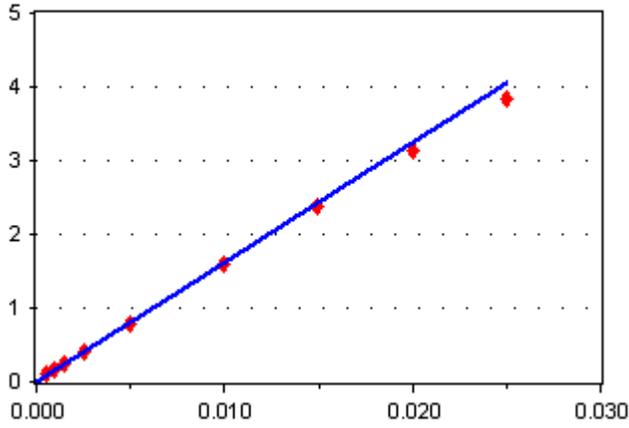
Calibration Date:
Last Edit Date:

12/04/2023 13:17 By JEM
12/04/2023 13:17 By JEM

EPA 8270 E

Nitrobenzene-d5

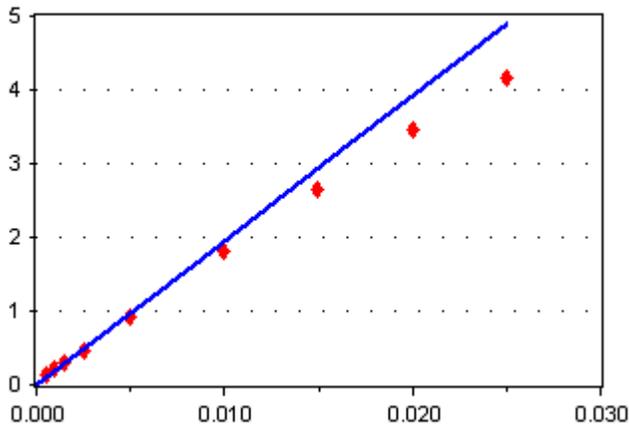
EPA 8270 E - Nitrobenzene-d5



Average RF
RF RSD: 6.94959
[Conc] = 162.3781 * [Response]

Nitrobenzene

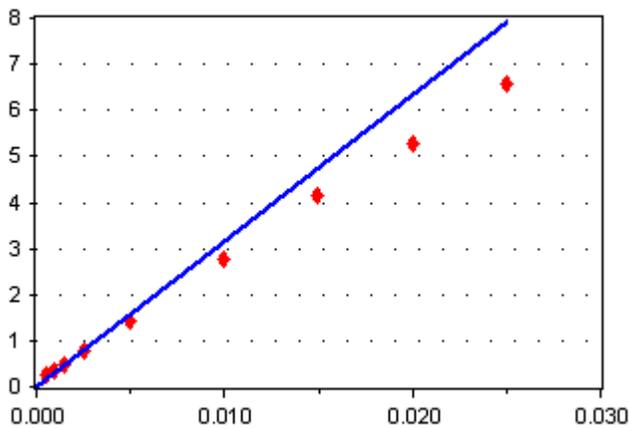
EPA 8270 E - Nitrobenzene



Average RF
RF RSD: 15.7605
[Conc] = 195.7828 * [Response]

Isophorone

EPA 8270 E - Isophorone



Average RF
RF RSD: 22.2731
[Conc] = 315.6881 * [Response]

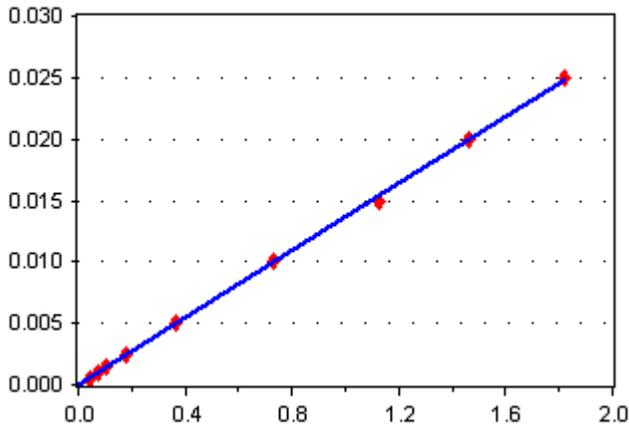
Instrument: ChemStation04
Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
Last Edit Date: 12/04/2023 13:17 By JEM

EPA 8270 E

2-Nitrophenol

EPA 8270 E - 2-Nitrophenol



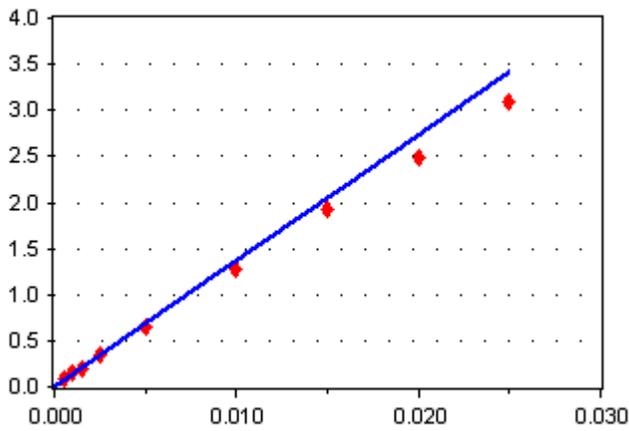
Linear Regression

r2: 0.9996858

$$[\text{Conc}] = 1.367253\text{E-}02 * [\text{Response}] + -1.273336\text{E-}05$$

2,4-Dimethylphenol

EPA 8270 E - 2,4-Dimethylphenol



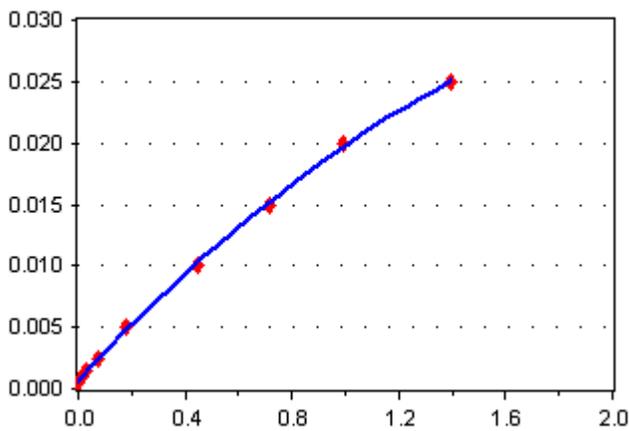
Average RF

RF RSD: 12.18897

$$[\text{Conc}] = 136.3263 * [\text{Response}]$$

Benzoic Acid

EPA 8270 E - Benzoic Acid



Quadratic Regression

Not Specified

Not Specified

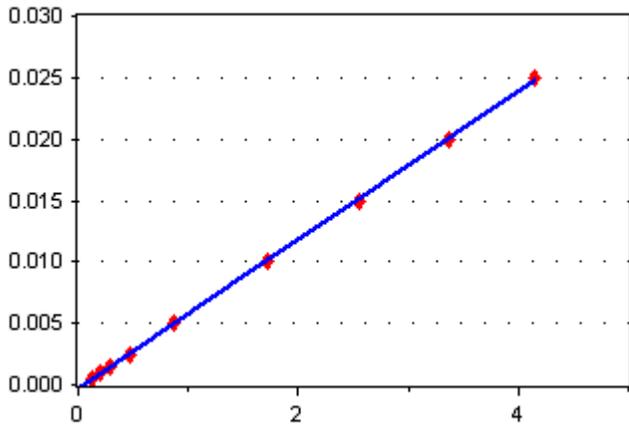
Instrument: ChemStation04
 Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
 Last Edit Date: 12/04/2023 13:17 By JEM

EPA 8270 E

bis(2-Chloroethoxy)methane

EPA 8270 E - bis(2-Chloroethoxy)methane



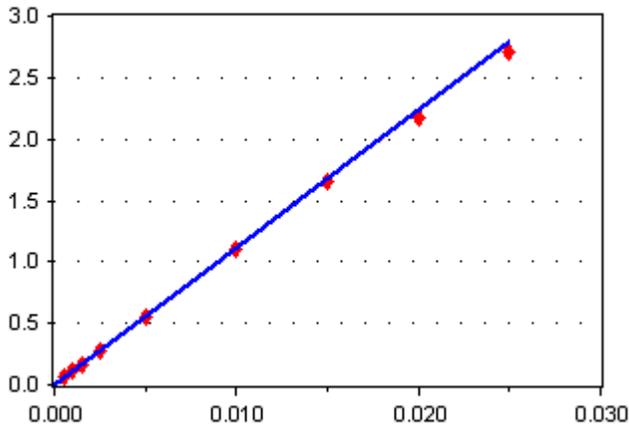
Linear Regression

r2: 0.9998134

$$[\text{Conc}] = 6.059457\text{E-}03 * [\text{Response}] + -3.214373\text{E-}04$$

2,4-Dichlorophenol

EPA 8270 E - 2,4-Dichlorophenol



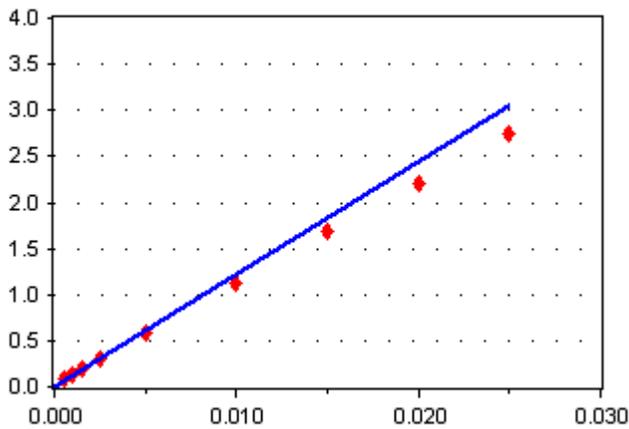
Average RF

RF RSD: 4.611991

$$[\text{Conc}] = 111.4697 * [\text{Response}]$$

1,2,4-Trichlorobenzene

EPA 8270 E - 1,2,4-Trichlorobenzene



Average RF

RF RSD: 13.26983

$$[\text{Conc}] = 122.2195 * [\text{Response}]$$

Instrument: ChemStation04
Calibration ID: L349001

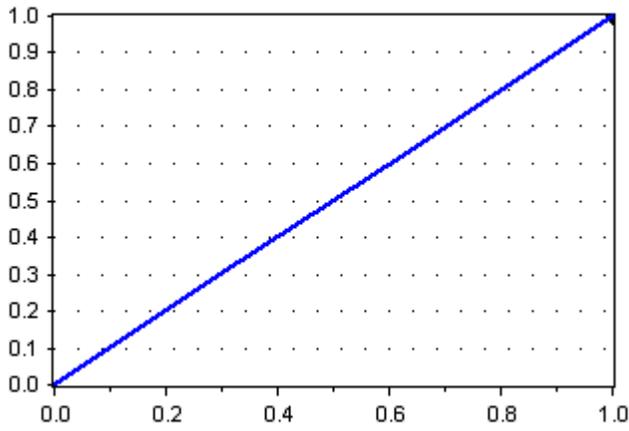
Calibration Date:
Last Edit Date:

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EPA 8270 E

Naphthalene-d8

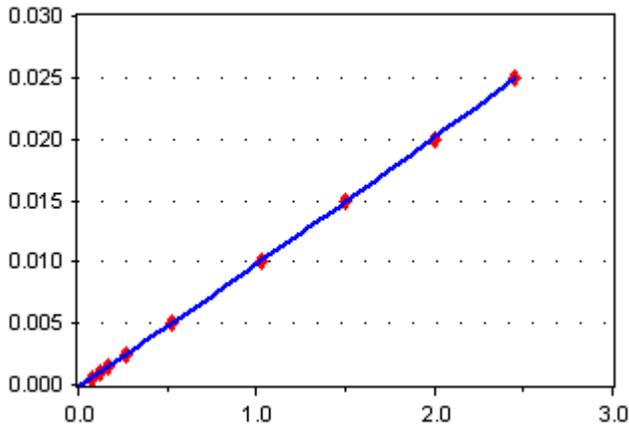
EPA 8270 E - Naphthalene-d8



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Naphthalene

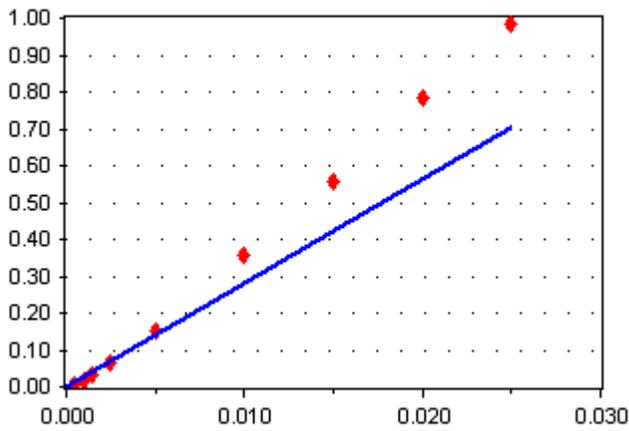
EPA 8270 E - Naphthalene



Quadratic Regression
Not Specified
Not Specified

4-Chloroaniline

EPA 8270 E - 4-Chloroaniline



Average RF
RF RSD: 39.84841
[Conc] = 28.0855 * [Response]

Instrument: ChemStation04
 Calibration ID: L349001

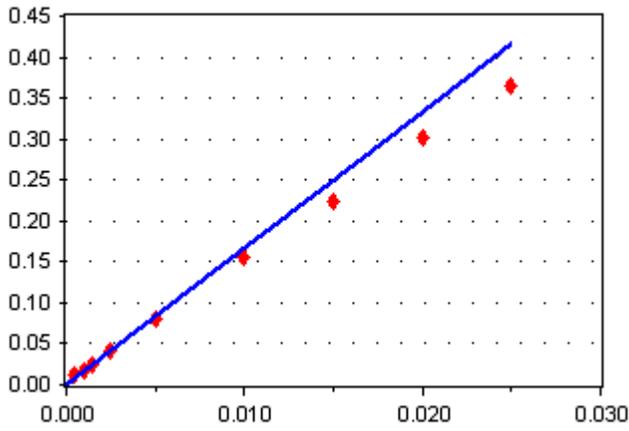
Calibration Date:
 Last Edit Date:

12/04/2023 13:17 By JEM
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EPA 8270 E

Hexachlorobutadiene

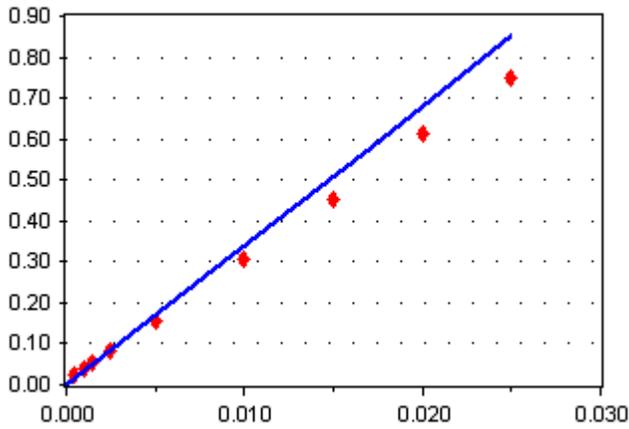
EPA 8270 E - Hexachlorobutadiene



Average RF
 RF RSD: 13.59696
 $[Conc] = 16.66024 * [Response]$

4-Chloro-3-methylphenol

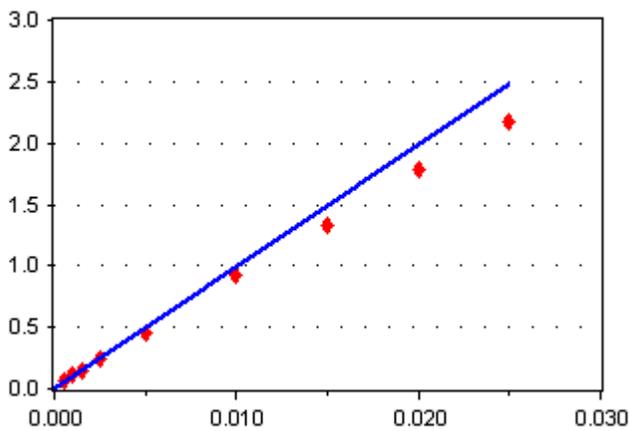
EPA 8270 E - 4-Chloro-3-methylphenol



Average RF
 RF RSD: 17.66749
 $[Conc] = 33.97911 * [Response]$

2-Methylnaphthalene

EPA 8270 E - 2-Methylnaphthalene



Average RF
 RF RSD: 16.37288
 $[Conc] = 99.40323 * [Response]$

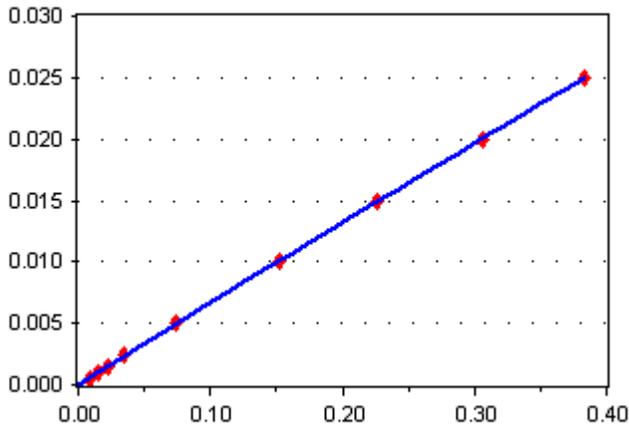
Instrument: ChemStation04
Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
Last Edit Date: 12/04/2023 13:17 By JEM

EPA 8270 E

Hexachlorocyclopentadiene

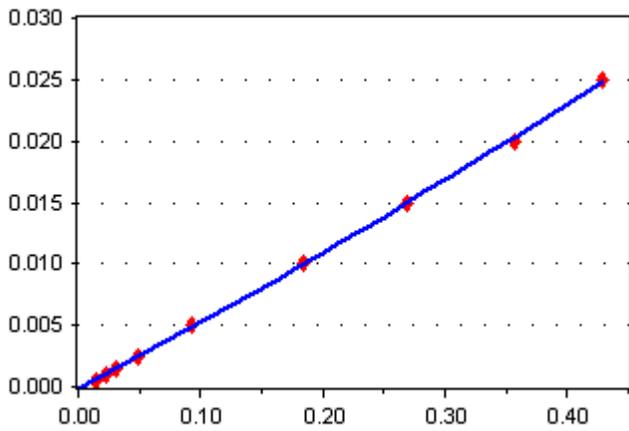
EPA 8270 E - Hexachlorocyclopentadiene



Quadratic Regression
Not Specified
Not Specified

2,4,6-Trichlorophenol

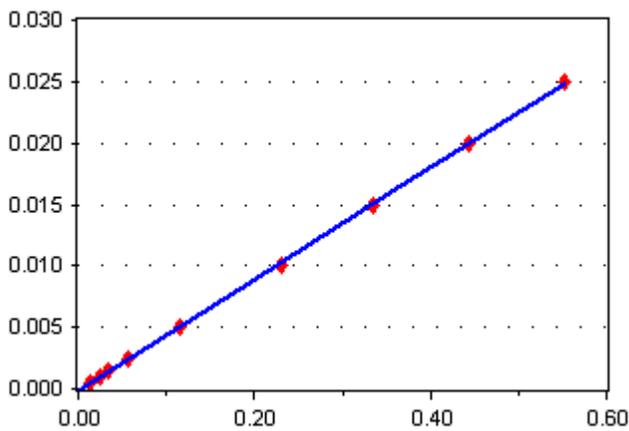
EPA 8270 E - 2,4,6-Trichlorophenol



Quadratic Regression
Not Specified
Not Specified

2,4,5-Trichlorophenol

EPA 8270 E - 2,4,5-Trichlorophenol



Linear Regression
r2: 0.9997824
[Conc] = 4.529848E-02 * [Response] + -1.413175E-04

Instrument: ChemStation04
Calibration ID: L349001

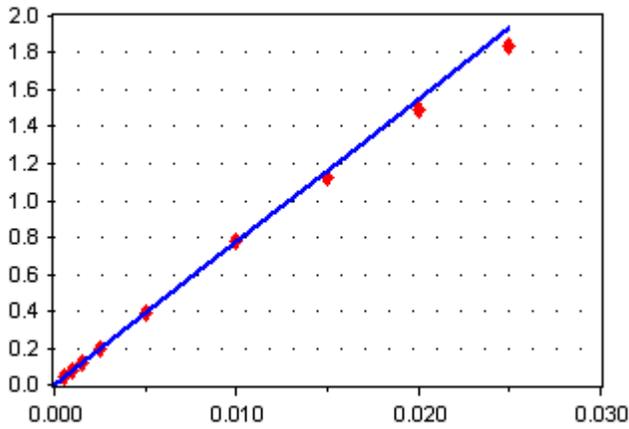
Calibration Date:
Last Edit Date:

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EPA 8270 E

2-Fluorobiphenyl

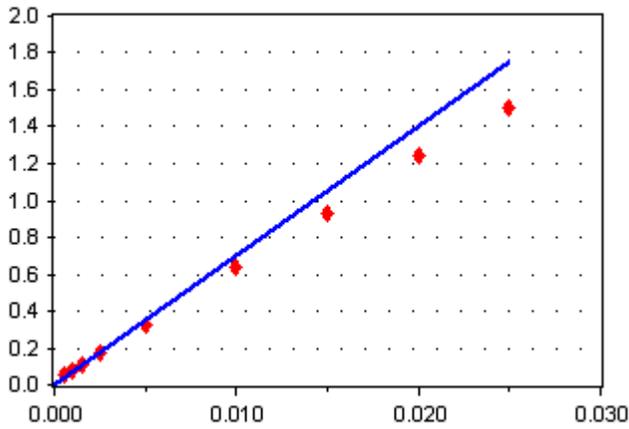
EPA 8270 E - 2-Fluorobiphenyl



Average RF
RF RSD: 4.094617
[Conc] = 77.382 * [Response]

2-Chloronaphthalene

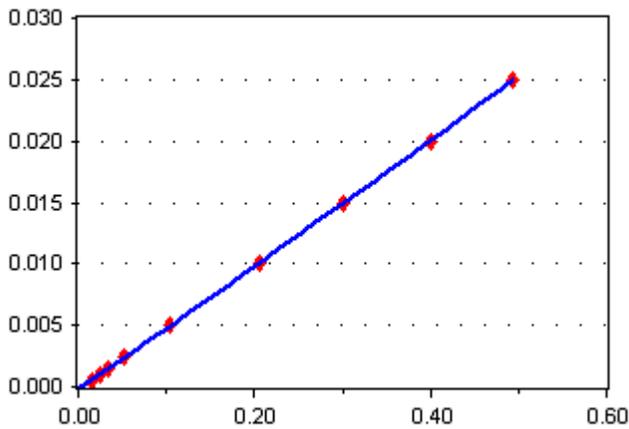
EPA 8270 E - 2-Chloronaphthalene



Average RF
RF RSD: 18.37525
[Conc] = 70.21397 * [Response]

2-Nitroaniline

EPA 8270 E - 2-Nitroaniline



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
Calibration ID: L349001

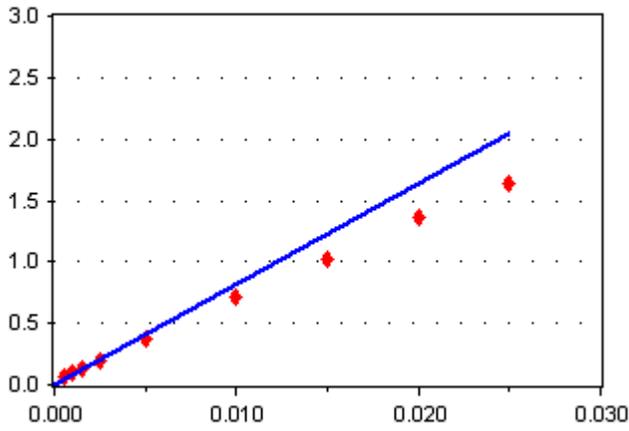
Calibration Date:
Last Edit Date:

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EPA 8270 E

Dimethyl phthalate

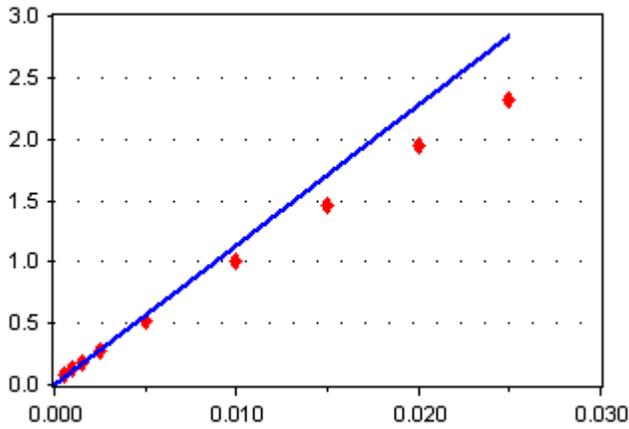
EPA 8270 E - Dimethyl phthalate



Average RF
RF RSD: 24.47655
[Conc] = 81.52064 * [Response]

Acenaphthylene

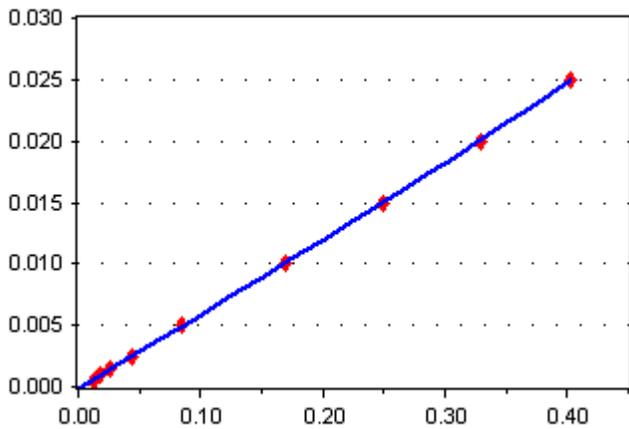
EPA 8270 E - Acenaphthylene



Average RF
RF RSD: 22.85803
[Conc] = 113.7143 * [Response]

2,6-Dinitrotoluene

EPA 8270 E - 2,6-Dinitrotoluene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
Calibration ID: L349001

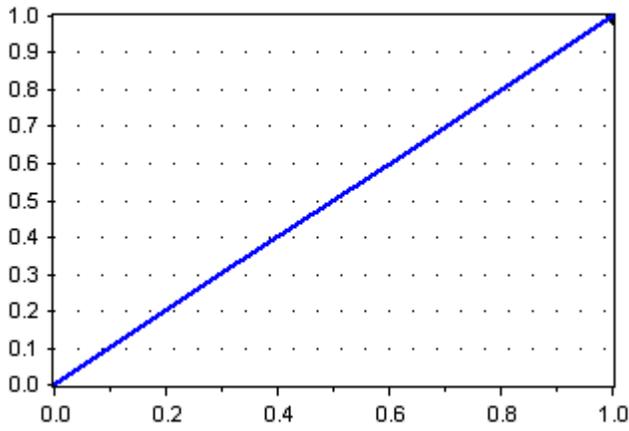
Calibration Date:
Last Edit Date:

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EPA 8270 E

Acenaphthene-d10

EPA 8270 E - Acenaphthene-d10



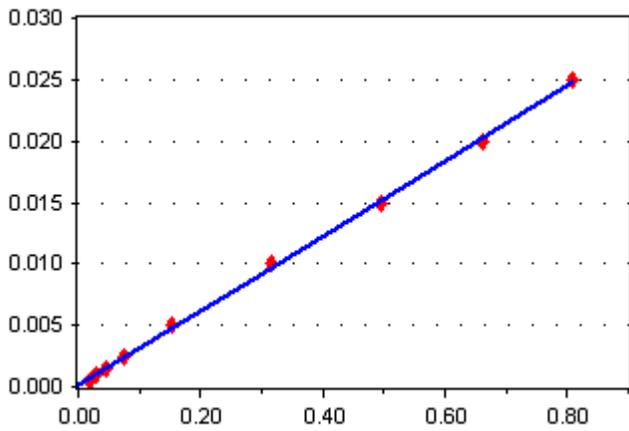
Average RF

RF RSD: 0

[Conc] = 1 * [Response]

3-Nitroaniline

EPA 8270 E - 3-Nitroaniline



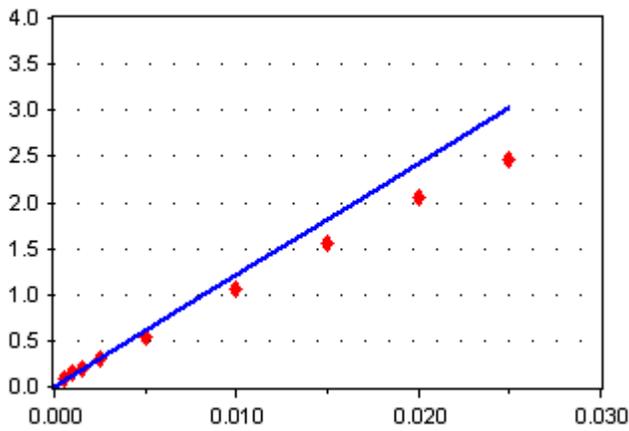
Linear Regression

r2: 0.9994681

[Conc] = 0.0304086 * [Response] + 1.27977E-04

Acenaphthene

EPA 8270 E - Acenaphthene



Average RF

RF RSD: 23.02799

[Conc] = 120.9437 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

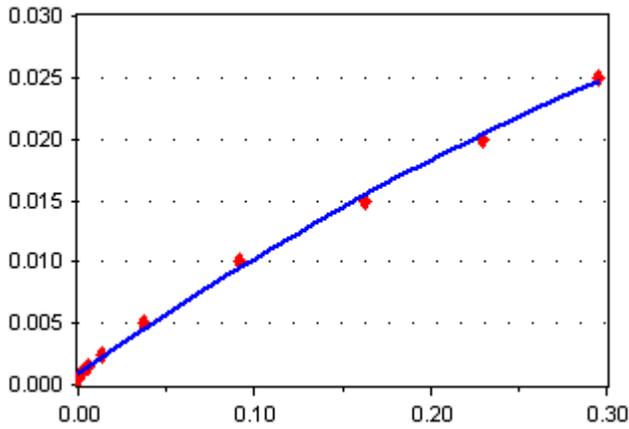
Calibration Date:
Last Edit Date:

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EPA 8270 E

2,4-Dinitrophenol

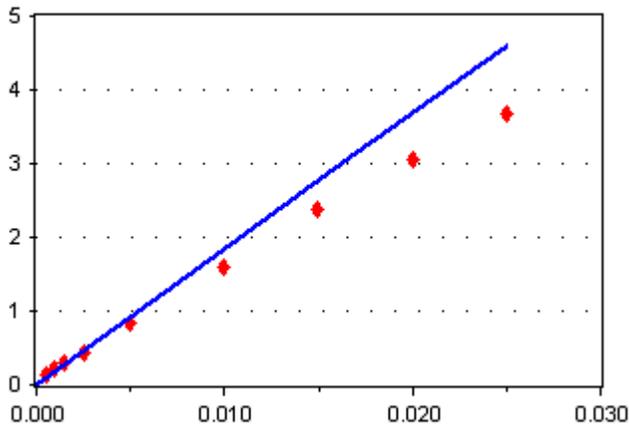
EPA 8270 E - 2,4-Dinitrophenol



Quadratic Regression
Not Specified
Not Specified

Dibenzofuran

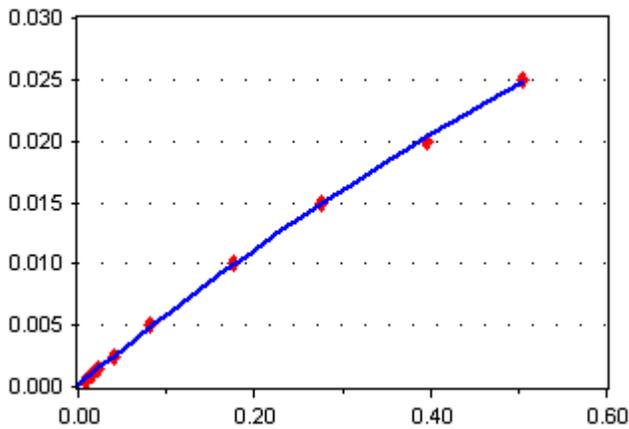
EPA 8270 E - Dibenzofuran



Average RF
RF RSD: 23.59683
[Conc] = 184.2058 * [Response]

4-Nitrophenol

EPA 8270 E - 4-Nitrophenol



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
Calibration ID: L349001

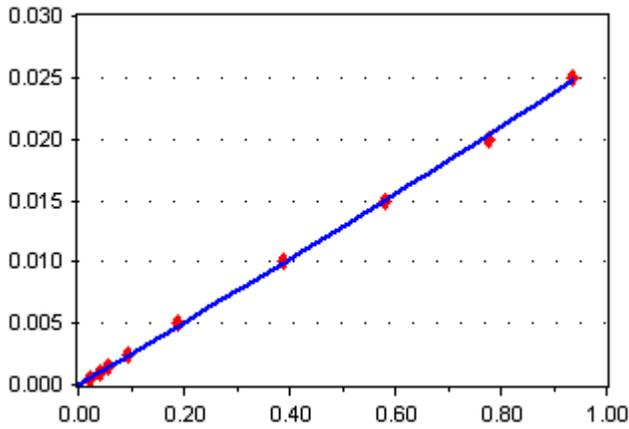
Calibration Date:
Last Edit Date:

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EPA 8270 E

2,4-Dinitrotoluene

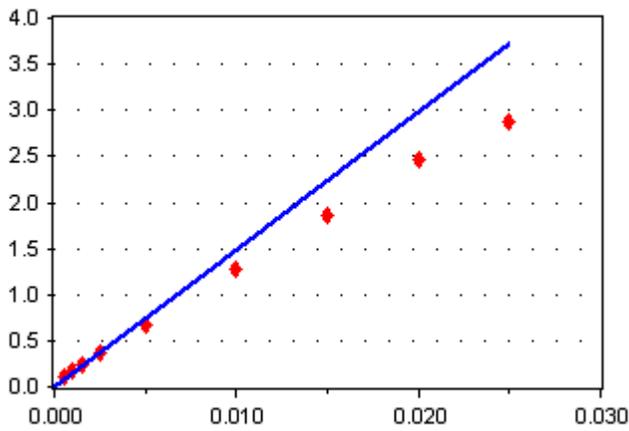
EPA 8270 E - 2,4-Dinitrotoluene



Quadratic Regression
Not Specified
Not Specified

Fluorene

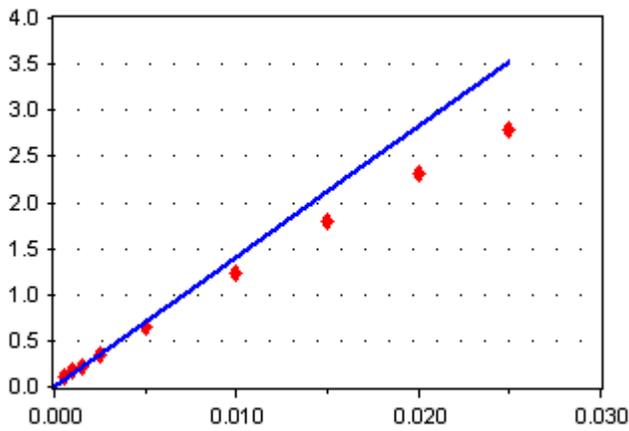
EPA 8270 E - Fluorene



Average RF
RF RSD: 25.96425
[Conc] = 149.0411 * [Response]

Diethyl phthalate

EPA 8270 E - Diethyl phthalate



Average RF
RF RSD: 24.88987
[Conc] = 141.2376 * [Response]

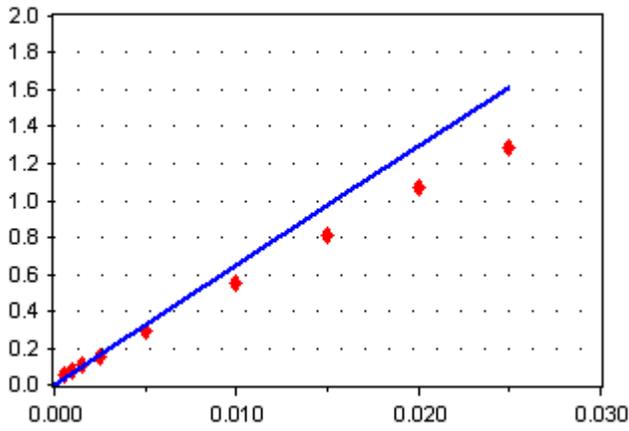
Instrument: ChemStation04
 Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
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EPA 8270 E

4-Chlorophenyl phenyl ether

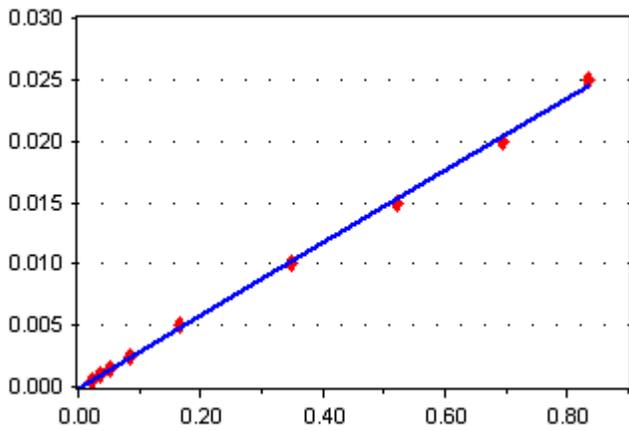
EPA 8270 E - 4-Chlorophenyl phenyl ether



Average RF
 RF RSD: 25.12364
 $[Conc] = 64.63134 * [Response]$

4-Nitroaniline

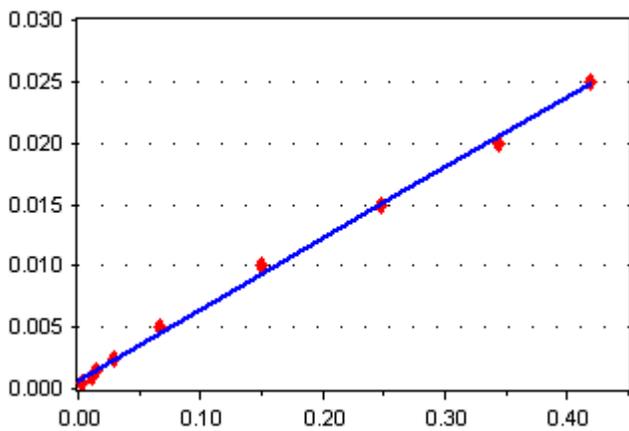
EPA 8270 E - 4-Nitroaniline



Linear Regression
 $r^2: 0.9991969$
 $[Conc] = 2.949469E-02 * [Response] + -1.018016E-04$

4,6-Dinitro-2-methylphenol

EPA 8270 E - 4,6-Dinitro-2-methylphenol



Linear Regression
 $r^2: 0.9981688$
 $[Conc] = 5.759447E-02 * [Response] + 7.039891E-04$

Instrument: ChemStation04
 Calibration ID: L349001

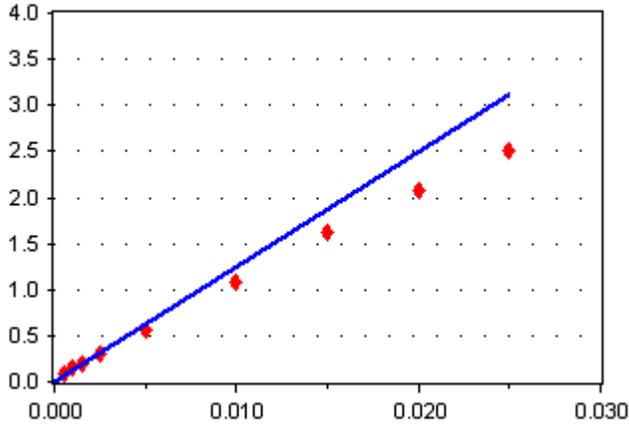
Calibration Date:
 Last Edit Date:

12/04/2023 13:17 By JEM
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EPA 8270 E

N-Nitrosodiphenylamine

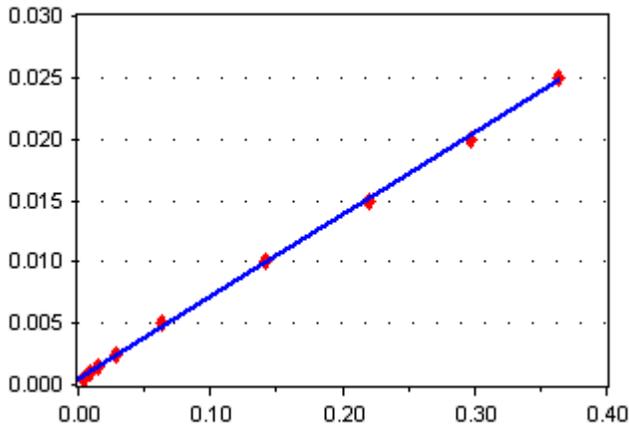
EPA 8270 E - N-Nitrosodiphenylamine



Average RF
 RF RSD: 23.44896
 [Conc] = 124.917 * [Response]

2,4,6-Tribromophenol

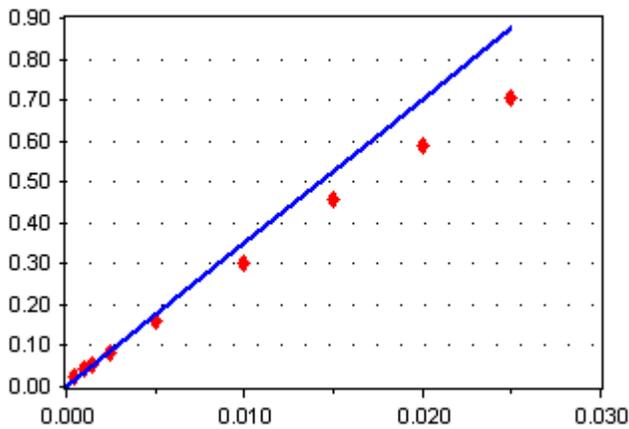
EPA 8270 E - 2,4,6-Tribromophenol



Linear Regression
 r2: 0.9994431
 [Conc] = 6.669855E-02 * [Response] + 4.694293E-04

4-Bromophenyl phenyl ether

EPA 8270 E - 4-Bromophenyl phenyl ether



Average RF
 RF RSD: 22.55354
 [Conc] = 35.00481 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

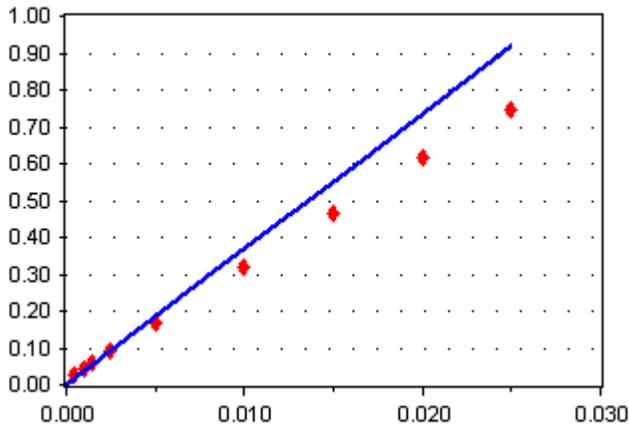
Calibration Date:
Last Edit Date:

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EPA 8270 E

Hexachlorobenzene

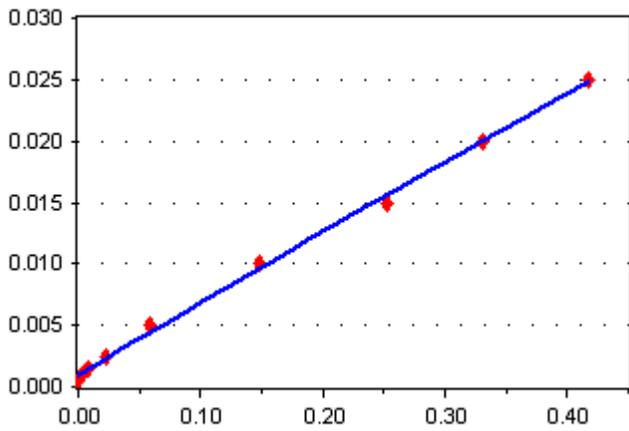
EPA 8270 E - Hexachlorobenzene



Average RF
RF RSD: 22.87104
[Conc] = 36.73907 * [Response]

Pentachlorophenol

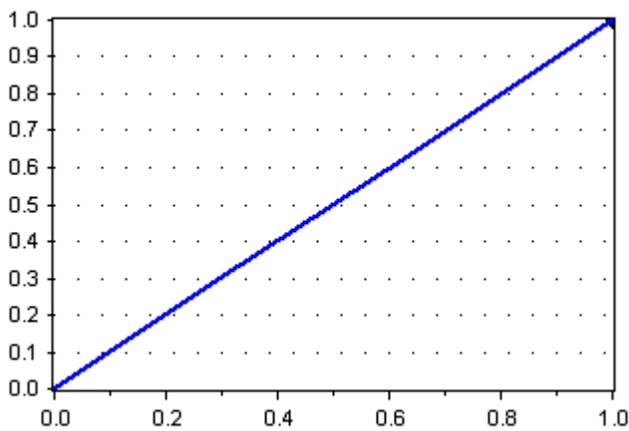
EPA 8270 E - Pentachlorophenol



Quadratic Regression
Not Specified
Not Specified

Phenanthrene-d10

EPA 8270 E - Phenanthrene-d10



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

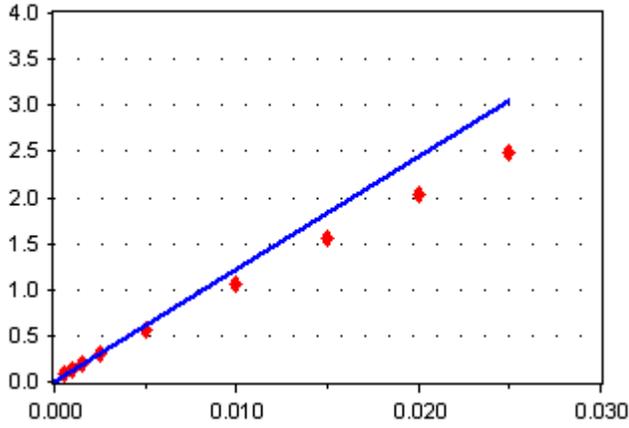
Calibration Date:
Last Edit Date:

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EPA 8270 E

Phenanthrene

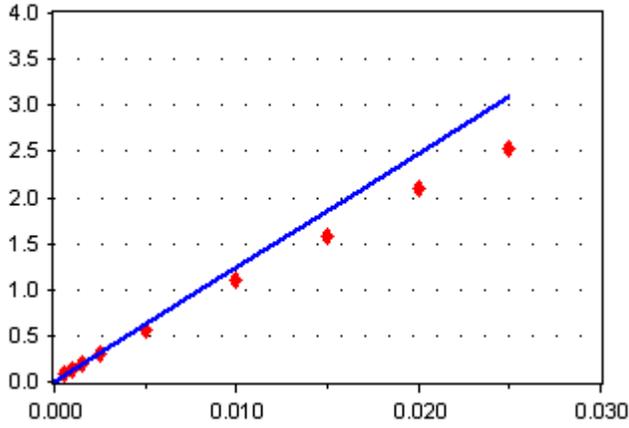
EPA 8270 E - Phenanthrene



Average RF
RF RSD: 23.81682
[Conc] = 121.8469 * [Response]

Anthracene

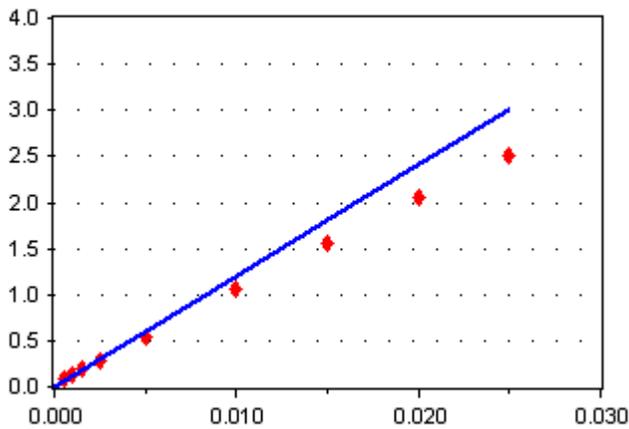
EPA 8270 E - Anthracene



Average RF
RF RSD: 23.78281
[Conc] = 123.4401 * [Response]

Carbazole

EPA 8270 E - Carbazole



Average RF
RF RSD: 23.11068
[Conc] = 120.4635 * [Response]

Instrument: ChemStation04
 Calibration ID: L349001

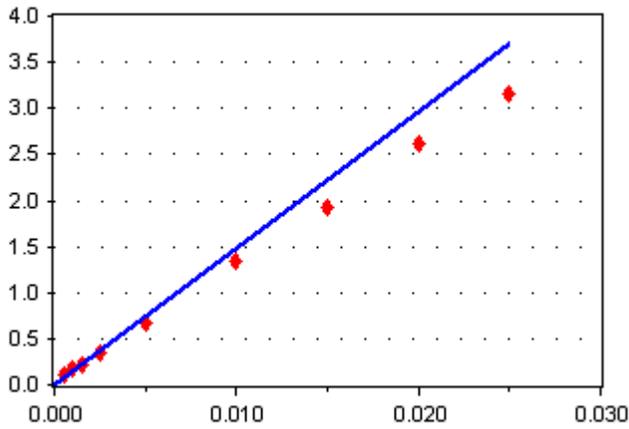
Calibration Date:
 Last Edit Date:

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EPA 8270 E

Di-n-butyl phthalate

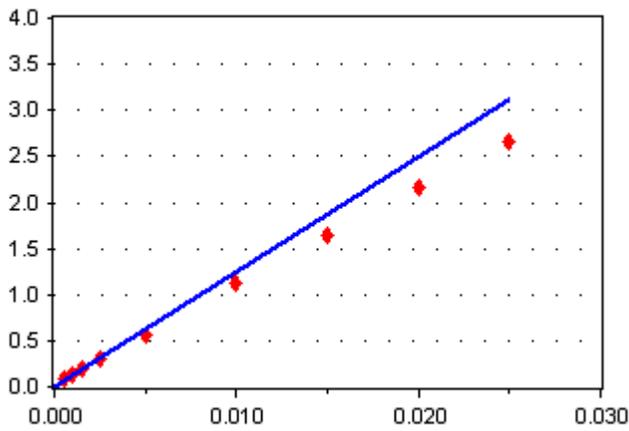
EPA 8270 E - Di-n-butyl phthalate



Average RF
 RF RSD: 21.05729
 $[Conc] = 148.1653 * [Response]$

Fluoranthene

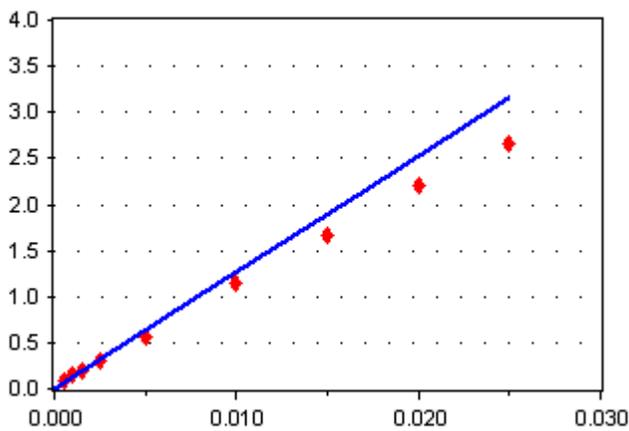
EPA 8270 E - Fluoranthene



Average RF
 RF RSD: 20.91914
 $[Conc] = 124.9637 * [Response]$

Pyrene

EPA 8270 E - Pyrene



Average RF
 RF RSD: 20.8875
 $[Conc] = 126.4289 * [Response]$

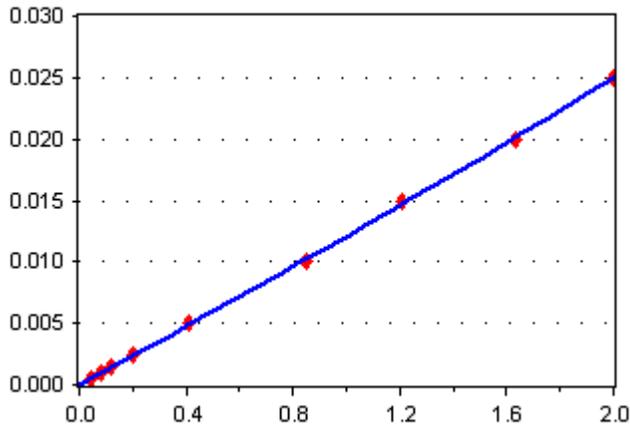
Instrument: ChemStation04
Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
Last Edit Date: 12/04/2023 13:17 By JEM

EPA 8270 E

Terphenyl-d14

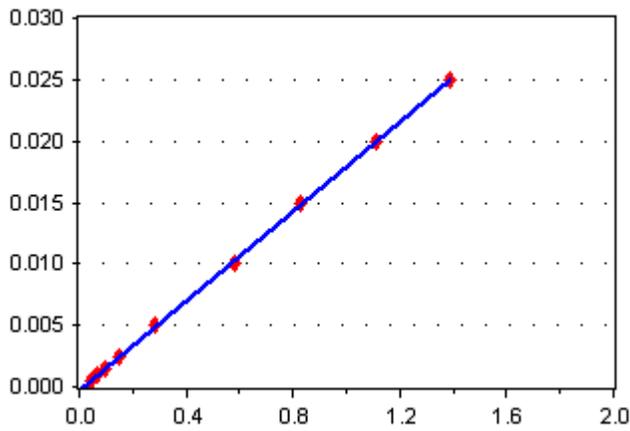
EPA 8270 E - Terphenyl-d14



Quadratic Regression
Not Specified
Not Specified

Butyl benzyl phthalate

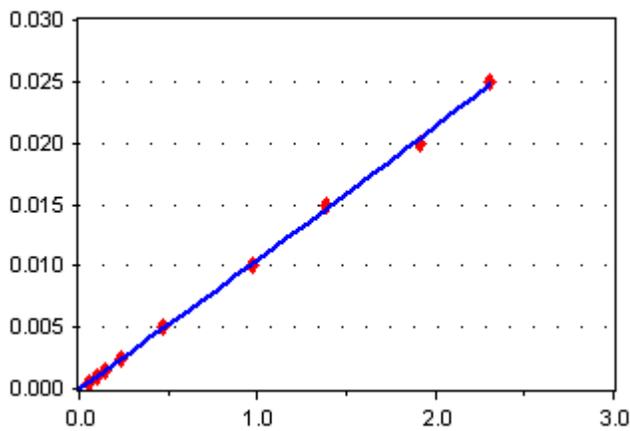
EPA 8270 E - Butyl benzyl phthalate



Linear Regression
r2: 0.9997478
[Conc] = 1.816561E-02 * [Response] + -2.677332E-04

Benzo(a)anthracene

EPA 8270 E - Benzo(a)anthracene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
 Calibration ID: L349001

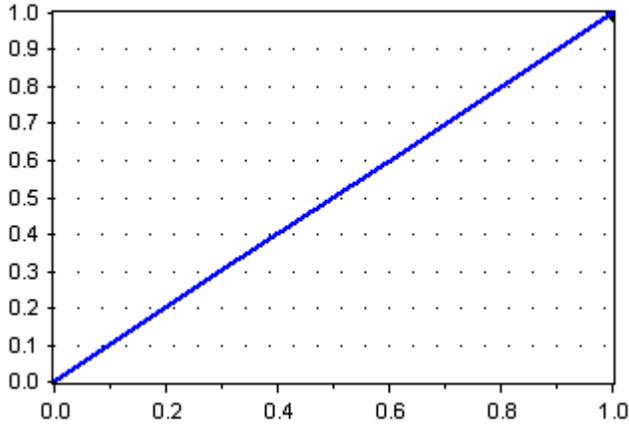
Calibration Date:
 Last Edit Date:

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EPA 8270 E

Chrysene-d12

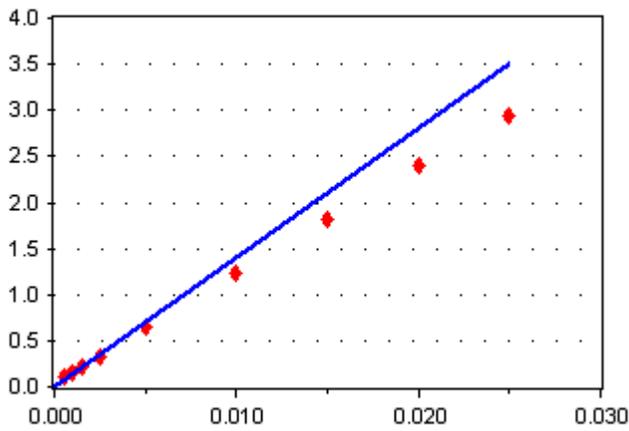
EPA 8270 E - Chrysene-d12



Average RF
 RF RSD: 0
 [Conc] = 1 * [Response]

Chrysene

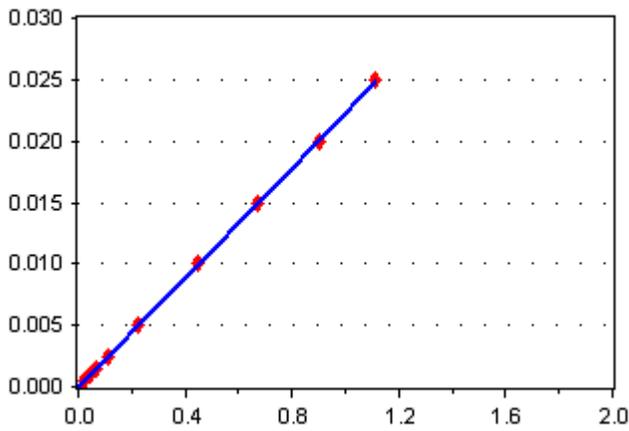
EPA 8270 E - Chrysene



Average RF
 RF RSD: 20.98244
 [Conc] = 139.7367 * [Response]

3,3'-Dichlorobenzidine

EPA 8270 E - 3,3'-Dichlorobenzidine



Linear Regression
 r2: 0.9999307
 [Conc] = 2.236355E-02 * [Response] + -3.301851E-05

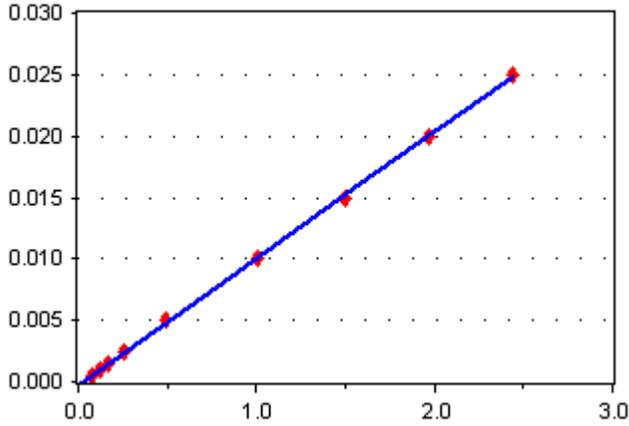
Instrument: ChemStation04
Calibration ID: L349001

Calibration Date: 12/04/2023 13:17 By JEM
Last Edit Date: 12/04/2023 13:17 By JEM

EPA 8270 E

Bis(2-Ethylhexyl)phthalate

EPA 8270 E - Bis(2-Ethylhexyl)phthalate



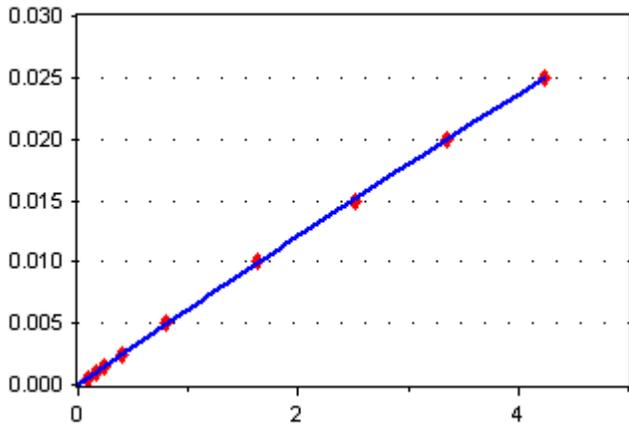
Linear Regression

r2: 0.9998161

$$[\text{Conc}] = 1.028585\text{E-}02 * [\text{Response}] + -2.541816\text{E-}04$$

Di-n-octyl phthalate

EPA 8270 E - Di-n-octyl phthalate



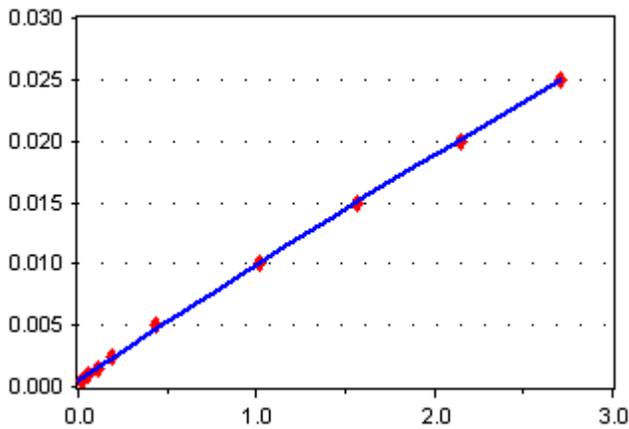
Quadratic Regression

Not Specified

Not Specified

Benzo(b)fluoranthene

EPA 8270 E - Benzo(b)fluoranthene



Quadratic Regression

Not Specified

Not Specified

Instrument: ChemStation04
Calibration ID: L349001

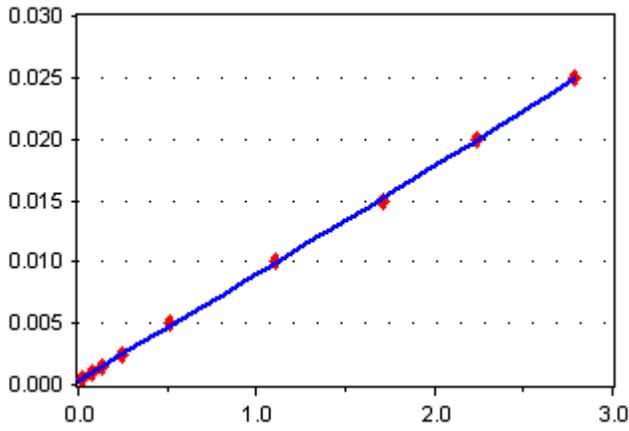
Calibration Date:
Last Edit Date:

12/04/2023 13:17 By JEM
12/04/2023 13:17 By JEM

EPA 8270 E

Benzo(k)fluoranthene

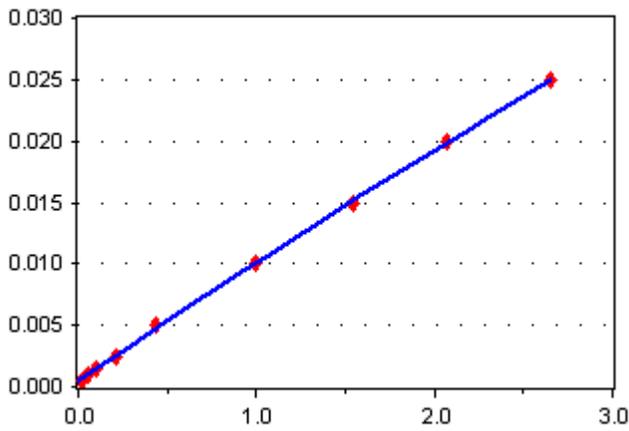
EPA 8270 E - Benzo(k)fluoranthene



Quadratic Regression
Not Specified
Not Specified

Benzo(a)pyrene

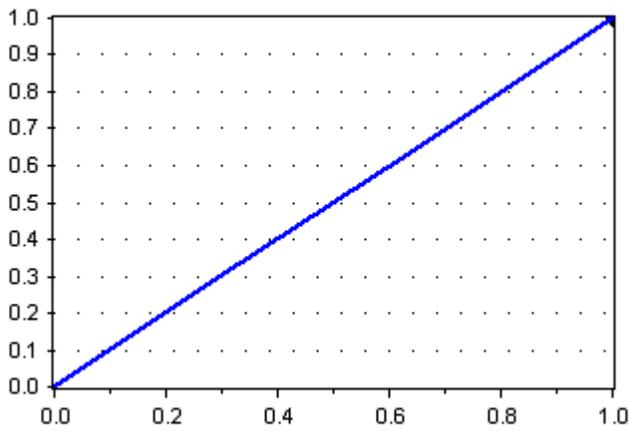
EPA 8270 E - Benzo(a)pyrene



Quadratic Regression
Not Specified
Not Specified

Perylene-d12

EPA 8270 E - Perylene-d12



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Instrument: ChemStation04
Calibration ID: L349001

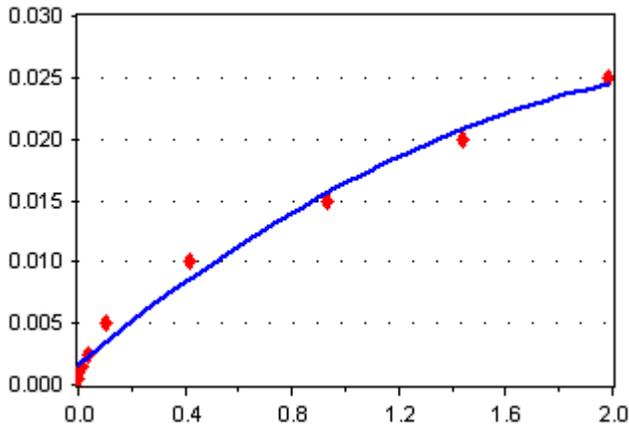
Calibration Date:
Last Edit Date:

12/04/2023 13:17 By JEM
12/04/2023 13:17 By JEM

EPA 8270 E

Indeno(1,2,3-cd)pyrene

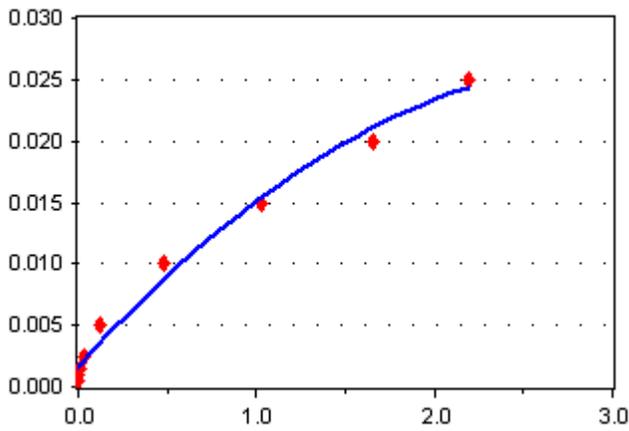
EPA 8270 E - Indeno(1,2,3-cd)pyrene



Quadratic Regression
Not Specified
Not Specified

Dibenzo(a,h)anthracene

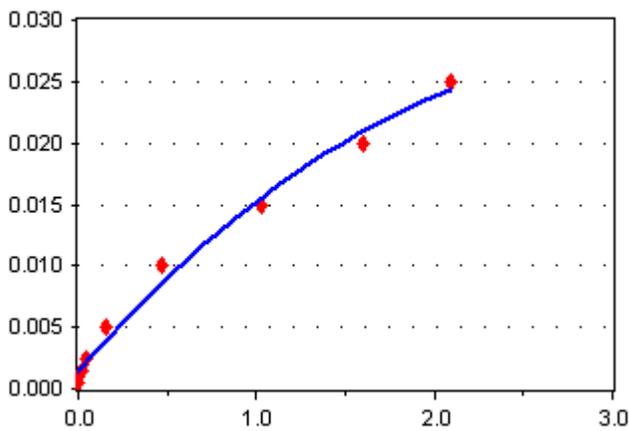
EPA 8270 E - Dibenzo(a,h)anthracene



Quadratic Regression
Not Specified
Not Specified

Benzo(g,h,i)perylene

EPA 8270 E - Benzo(g,h,i)perylene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation04
Calibration ID: L349001

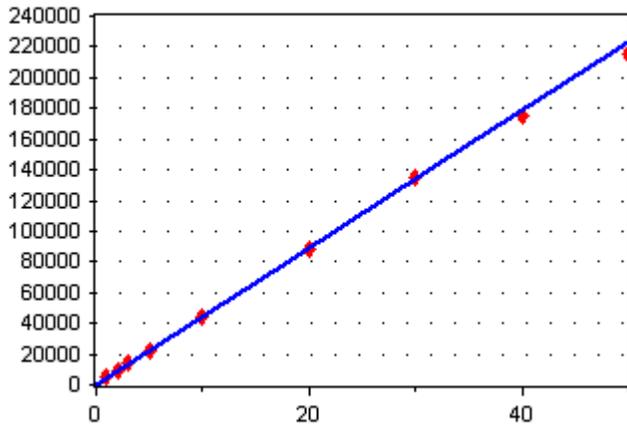
Calibration Date:
Last Edit Date:

12/04/2023 13:17 By JEM
12/04/2023 13:17 By JEM

EPA 8270 E

n-Decane

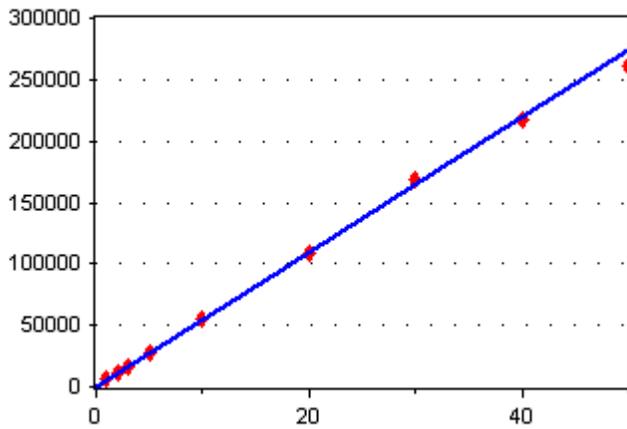
EPA 8270 E - n-Decane



Average RF
RF RSD: 2.325389
[Conc] = 4465.388 * [Response]

n-Octadecane

EPA 8270 E - n-Octadecane



Average RF
RF RSD: 3.595337
[Conc] = 5495.219 * [Response]



QC DATA

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory:	Long Island Analytical Laboratories, Inc.			Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY		
Matrix:	Non-Potable Water	Laboratory ID:	B349167-BLK1	File ID:	B349167-BLK1.D
Sampled:		Prepared:	12/07/23 09:21	Analyzed:	12/12/23 15:32
Solids:		Preparation:	EPA 3510 C		
Batch:	B349167	Sequence:	S349025	Calibration:	L349001
Column:	1			Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	10.0	U
62-75-9	N-Nitrosodimethylamine	5.00	U
108-95-2	Phenol	5.00	U
62-53-3	Aniline	5.00	4.J, U
95-57-8	2-Chlorophenol	5.00	U
111-44-4	Bis(2-Chloroethyl)ether	5.00	U
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
100-51-6	Benzyl alcohol	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
95-48-7	2-Methylphenol	5.00	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.00	U
67-72-1	Hexachloroethane	5.00	U
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	5.00	U
621-64-7	N-Nitroso-di-n-propylamine	5.00	U
98-95-3	Nitrobenzene	5.00	U
78-59-1	Isophorone	5.00	U
88-75-5	2-Nitrophenol	5.00	U
105-67-9	2,4-Dimethylphenol	5.00	U
65-85-0	Benzoic Acid	10.0	U
111-91-1	bis(2-Chloroethoxy)methane	5.00	U
120-83-2	2,4-Dichlorophenol	5.00	U
120-82-1	1,2,4-Trichlorobenzene	5.00	U
91-20-3	Naphthalene	5.00	U

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory:	Long Island Analytical Laboratories, Inc.			Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY		
Matrix:	Non-Potable Water	Laboratory ID:	B349167-BLK1	File ID:	B349167-BLK1.D
Sampled:		Prepared:	12/07/23 09:21	Analyzed:	12/12/23 15:32
Solids:		Preparation:	EPA 3510 C		
Batch:	B349167	Sequence:	S349025	Calibration:	L349001
Column:	1			Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
106-47-8	4-Chloroaniline	5.00	4.J, U
87-68-3	Hexachlorobutadiene	5.00	U
59-50-7	4-Chloro-3-methylphenol	5.00	U
91-57-6	2-Methylnaphthalene	5.00	U
77-47-4	Hexachlorocyclopentadiene	5.00	4.J, U
88-06-2	2,4,6-Trichlorophenol	5.00	U
95-95-4	2,4,5-Trichlorophenol	5.00	U
91-58-7	2-Chloronaphthalene	5.00	U
88-74-4	2-Nitroaniline	5.00	U
131-11-3	Dimethyl phthalate	5.00	U
208-96-8	Acenaphthylene	5.00	U
606-20-2	2,6-Dinitrotoluene	5.00	U
99-09-2	3-Nitroaniline	5.00	4.J, U
83-32-9	Acenaphthene	5.00	U
51-28-5	2,4-Dinitrophenol	10.0	U
132-64-9	Dibenzofuran	5.00	U
100-02-7	4-Nitrophenol	5.00	U
121-14-2	2,4-Dinitrotoluene	5.00	U
86-73-7	Fluorene	5.00	U
84-66-2	Diethyl phthalate	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether	5.00	U
100-01-6	4-Nitroaniline	5.00	4.J, U
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U
86-30-6	N-Nitrosodiphenylamine	5.00	U

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349167-BLK1 File ID: B349167-BLK1.D
 Sampled: Prepared: 12/07/23 09:21 Analyzed: 12/12/23 15:32
 Solids: Preparation: EPA 3510 C Dilution:
 Batch: B349167 Sequence: S349025 Calibration: L349001 Instrument: ChemStation04
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
101-55-3	4-Bromophenyl phenyl ether	5.00	U
118-74-1	Hexachlorobenzene	5.00	U
87-86-5	Pentachlorophenol	5.00	U
85-01-8	Phenanthrene	5.00	U
120-12-7	Anthracene	5.00	U
86-74-8	Carbazole	5.00	U
84-74-2	Di-n-butyl phthalate	5.00	U
206-44-0	Fluoranthene	5.00	U
129-00-0	Pyrene	5.00	U
85-68-7	Butyl benzyl phthalate	5.00	U
56-55-3	Benzo(a)anthracene	5.00	U
218-01-9	Chrysene	5.00	U
91-94-1	3,3'-Dichlorobenzidine	5.00	4.J, U
117-81-7	Bis(2-Ethylhexyl)phthalate	5.00	U
117-84-0	Di-n-octyl phthalate	5.00	U
205-99-2	Benzo(b)fluoranthene	5.00	U
207-08-9	Benzo(k)fluoranthene	5.00	U
50-32-8	Benzo(a)pyrene	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U
53-70-3	Dibenzo(a,h)anthracene	5.00	U
191-24-2	Benzo(g,h,i)perylene	5.00	U
122-66-7/103-33-3	1,2-Diphenylhydrazine/Azobenzene	5.00	U
124-18-5	n-Decane	10.0	U
593-45-3	n-Octadecane	5.00	U

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	B349167-BS1
		File ID:	B349167-BS1.D
Sampled:		Prepared:	12/07/23 09:21
		Analyzed:	12/12/23 16:13
Solids:		Preparation:	EPA 3510 C
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04
Column:	1		

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	36.7	
62-75-9	N-Nitrosodimethylamine	54.5	
108-95-2	Phenol	53.8	
62-53-3	Aniline	55.9	4.J
95-57-8	2-Chlorophenol	63.7	
111-44-4	Bis(2-Chloroethyl)ether	59.8	
541-73-1	1,3-Dichlorobenzene	64.4	
106-46-7	1,4-Dichlorobenzene	63.4	
100-51-6	Benzyl alcohol	73.4	
95-50-1	1,2-Dichlorobenzene	64.4	
95-48-7	2-Methylphenol	62.8	
108-60-1	2,2'-Oxybis(1-Chloropropane)	58.4	
67-72-1	Hexachloroethane	62.0	
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	53.5	
621-64-7	N-Nitroso-di-n-propylamine	59.8	
98-95-3	Nitrobenzene	56.3	
78-59-1	Isophorone	61.6	
88-75-5	2-Nitrophenol	63.0	
105-67-9	2,4-Dimethylphenol	61.5	
65-85-0	Benzoic Acid	62.4	
111-91-1	bis(2-Chloroethoxy)methane	61.8	
120-83-2	2,4-Dichlorophenol	66.8	
120-82-1	1,2,4-Trichlorobenzene	65.2	
91-20-3	Naphthalene	66.8	

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	B349167-BS1
		File ID:	B349167-BS1.D
Sampled:		Prepared:	12/07/23 09:21
		Analyzed:	12/12/23 16:13
Solids:		Preparation:	EPA 3510 C
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04
Column:	1		

CAS NO.	COMPOUND	CONC. (ug/L)	Q
106-47-8	4-Chloroaniline	40.8	4.J
87-68-3	Hexachlorobutadiene	64.3	
59-50-7	4-Chloro-3-methylphenol	66.0	
91-57-6	2-Methylnaphthalene	66.5	
77-47-4	Hexachlorocyclopentadiene	61.8	4.J
88-06-2	2,4,6-Trichlorophenol	65.4	
95-95-4	2,4,5-Trichlorophenol	66.8	
91-58-7	2-Chloronaphthalene	65.7	
88-74-4	2-Nitroaniline	62.3	
131-11-3	Dimethyl phthalate	68.4	
208-96-8	Acenaphthylene	66.3	
606-20-2	2,6-Dinitrotoluene	66.4	
99-09-2	3-Nitroaniline	52.6	4.J
83-32-9	Acenaphthene	69.8	
51-28-5	2,4-Dinitrophenol	75.2	
132-64-9	Dibenzofuran	69.3	
100-02-7	4-Nitrophenol	45.0	
121-14-2	2,4-Dinitrotoluene	67.3	
86-73-7	Fluorene	70.8	
84-66-2	Diethyl phthalate	72.0	
7005-72-3	4-Chlorophenyl phenyl ether	69.8	
100-01-6	4-Nitroaniline	61.2	4.J
534-52-1	4,6-Dinitro-2-methylphenol	71.5	
86-30-6	N-Nitrosodiphenylamine	68.4	

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	B349167-BS1
		File ID:	B349167-BS1.D
Sampled:		Prepared:	12/07/23 09:21
		Analyzed:	12/12/23 16:13
Solids:		Preparation:	EPA 3510 C
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04
Column:	1		

CAS NO.	COMPOUND	CONC. (ug/L)	Q
101-55-3	4-Bromophenyl phenyl ether	70.0	
118-74-1	Hexachlorobenzene	70.0	
87-86-5	Pentachlorophenol	79.5	
85-01-8	Phenanthrene	74.5	
120-12-7	Anthracene	74.7	
86-74-8	Carbazole	74.6	
84-74-2	Di-n-butyl phthalate	74.7	
206-44-0	Fluoranthene	73.4	
129-00-0	Pyrene	74.3	
85-68-7	Butyl benzyl phthalate	72.8	
56-55-3	Benzo(a)anthracene	72.1	
218-01-9	Chrysene	76.2	
91-94-1	3,3'-Dichlorobenzidine	55.3	4.J
117-81-7	Bis(2-Ethylhexyl)phthalate	75.5	
117-84-0	Di-n-octyl phthalate	74.2	
205-99-2	Benzo(b)fluoranthene	72.4	
207-08-9	Benzo(k)fluoranthene	80.1	
50-32-8	Benzo(a)pyrene	76.1	
193-39-5	Indeno(1,2,3-cd)pyrene	92.0	
53-70-3	Dibenzo(a,h)anthracene	94.4	
191-24-2	Benzo(g,h,i)perylene	93.4	
122-66-7/103-33-3	1,2-Diphenylhydrazine/Azobenzene	65.1	
124-18-5	n-Decane	56.0	
593-45-3	n-Octadecane	69.1	

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349167-MS1 File ID: B349167-MS1.D
 Sampled: Prepared: 12/07/23 09:21 Analyzed: 12/12/23 16:55
 Solids: Preparation: EPA 3510 C Dilution:
 Batch: B349167 Sequence: S349025 Calibration: L349001 Instrument: ChemStation04
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	39.6	4.T
62-75-9	N-Nitrosodimethylamine	56.3	
108-95-2	Phenol	56.0	4.G, 4.V
62-53-3	Aniline	66.9	4.J, 4.T
95-57-8	2-Chlorophenol	63.6	
111-44-4	Bis(2-Chloroethyl)ether	58.2	
541-73-1	1,3-Dichlorobenzene	62.0	
106-46-7	1,4-Dichlorobenzene	63.5	
100-51-6	Benzyl alcohol	78.0	
95-50-1	1,2-Dichlorobenzene	64.0	
95-48-7	2-Methylphenol	64.0	
108-60-1	2,2'-Oxybis(1-Chloropropane)	58.3	
67-72-1	Hexachloroethane	61.2	
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	55.2	
621-64-7	N-Nitroso-di-n-propylamine	61.2	
98-95-3	Nitrobenzene	57.5	
78-59-1	Isophorone	62.2	
88-75-5	2-Nitrophenol	62.7	
105-67-9	2,4-Dimethylphenol	61.0	
65-85-0	Benzoic Acid	72.6	
111-91-1	bis(2-Chloroethoxy)methane	64.0	
120-83-2	2,4-Dichlorophenol	66.9	
120-82-1	1,2,4-Trichlorobenzene	66.5	
91-20-3	Naphthalene	66.8	

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Long Island Analytical Laboratories, Inc.			Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY		
Matrix:	Non-Potable Water	Laboratory ID:	B349167-MS1	File ID:	B349167-MS1.D
Sampled:		Prepared:	12/07/23 09:21	Analyzed:	12/12/23 16:55
Solids:		Preparation:	EPA 3510 C	Dilution:	
Batch:	B349167	Sequence:	S349025	Calibration:	L349001
Column:	1			Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
106-47-8	4-Chloroaniline	49.5	4.J
87-68-3	Hexachlorobutadiene	65.0	
59-50-7	4-Chloro-3-methylphenol	67.2	
91-57-6	2-Methylnaphthalene	66.0	
77-47-4	Hexachlorocyclopentadiene	61.4	4.J
88-06-2	2,4,6-Trichlorophenol	65.8	
95-95-4	2,4,5-Trichlorophenol	69.2	
91-58-7	2-Chloronaphthalene	66.8	
88-74-4	2-Nitroaniline	63.0	
131-11-3	Dimethyl phthalate	68.0	
208-96-8	Acenaphthylene	66.0	
606-20-2	2,6-Dinitrotoluene	65.7	
99-09-2	3-Nitroaniline	58.7	4.J
83-32-9	Acenaphthene	68.2	
51-28-5	2,4-Dinitrophenol	76.0	
132-64-9	Dibenzofuran	69.4	
100-02-7	4-Nitrophenol	41.9	
121-14-2	2,4-Dinitrotoluene	69.6	
86-73-7	Fluorene	70.8	
84-66-2	Diethyl phthalate	71.4	
7005-72-3	4-Chlorophenyl phenyl ether	70.4	
100-01-6	4-Nitroaniline	66.2	4.J
534-52-1	4,6-Dinitro-2-methylphenol	74.9	
86-30-6	N-Nitrosodiphenylamine	71.0	

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349167-MS1 File ID: B349167-MS1.D
 Sampled: Prepared: 12/07/23 09:21 Analyzed: 12/12/23 16:55
 Solids: Preparation: EPA 3510 C Dilution:
 Batch: B349167 Sequence: S349025 Calibration: L349001 Instrument: ChemStation04
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
101-55-3	4-Bromophenyl phenyl ether	70.0	
118-74-1	Hexachlorobenzene	70.4	
87-86-5	Pentachlorophenol	81.1	
85-01-8	Phenanthrene	74.0	
120-12-7	Anthracene	72.7	
86-74-8	Carbazole	73.1	
84-74-2	Di-n-butyl phthalate	73.3	
206-44-0	Fluoranthene	74.0	
129-00-0	Pyrene	73.6	
85-68-7	Butyl benzyl phthalate	71.6	
56-55-3	Benzo(a)anthracene	71.1	
218-01-9	Chrysene	76.5	
91-94-1	3,3'-Dichlorobenzidine	60.4	4.J
117-81-7	Bis(2-Ethylhexyl)phthalate	76.2	
117-84-0	Di-n-octyl phthalate	73.4	
205-99-2	Benzo(b)fluoranthene	70.4	
207-08-9	Benzo(k)fluoranthene	79.4	
50-32-8	Benzo(a)pyrene	75.8	
193-39-5	Indeno(1,2,3-cd)pyrene	89.4	
53-70-3	Dibenzo(a,h)anthracene	91.4	
191-24-2	Benzo(g,h,i)perylene	93.6	
122-66-7/103-33-3	1,2-Diphenylhydrazine/Azobenzene	66.2	
124-18-5	n-Decane	56.0	
593-45-3	n-Octadecane	69.3	

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349167-MSD1 File ID: B349167-MSD1.D
 Sampled: Prepared: 12/07/23 09:21 Analyzed: 12/12/23 17:37
 Solids: Preparation: EPA 3510 C Dilution:
 Batch: B349167 Sequence: S349025 Calibration: L349001 Instrument: ChemStation04
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	18.7	4.T
62-75-9	N-Nitrosodimethylamine	60.9	
108-95-2	Phenol	60.5	4.G, 4.V
62-53-3	Aniline	52.0	4.J, 4.T
95-57-8	2-Chlorophenol	70.8	
111-44-4	Bis(2-Chloroethyl)ether	63.8	
541-73-1	1,3-Dichlorobenzene	69.6	
106-46-7	1,4-Dichlorobenzene	70.2	
100-51-6	Benzyl alcohol	73.3	
95-50-1	1,2-Dichlorobenzene	71.9	
95-48-7	2-Methylphenol	69.9	
108-60-1	2,2'-Oxybis(1-Chloropropane)	65.7	
67-72-1	Hexachloroethane	67.8	
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	60.9	
621-64-7	N-Nitroso-di-n-propylamine	68.6	
98-95-3	Nitrobenzene	64.6	
78-59-1	Isophorone	68.6	
88-75-5	2-Nitrophenol	70.3	
105-67-9	2,4-Dimethylphenol	67.0	
65-85-0	Benzoic Acid	78.2	
111-91-1	bis(2-Chloroethoxy)methane	71.9	
120-83-2	2,4-Dichlorophenol	72.3	
120-82-1	1,2,4-Trichlorobenzene	70.7	
91-20-3	Naphthalene	73.7	

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349167-MSD1 File ID: B349167-MSD1.D
 Sampled: Prepared: 12/07/23 09:21 Analyzed: 12/12/23 17:37
 Solids: Preparation: EPA 3510 C Dilution:
 Batch: B349167 Sequence: S349025 Calibration: L349001 Instrument: ChemStation04
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
106-47-8	4-Chloroaniline	57.2	4.J
87-68-3	Hexachlorobutadiene	72.8	
59-50-7	4-Chloro-3-methylphenol	72.9	
91-57-6	2-Methylnaphthalene	73.8	
77-47-4	Hexachlorocyclopentadiene	67.9	4.J
88-06-2	2,4,6-Trichlorophenol	72.4	
95-95-4	2,4,5-Trichlorophenol	75.3	
91-58-7	2-Chloronaphthalene	73.0	
88-74-4	2-Nitroaniline	67.8	
131-11-3	Dimethyl phthalate	75.5	
208-96-8	Acenaphthylene	72.8	
606-20-2	2,6-Dinitrotoluene	72.8	
99-09-2	3-Nitroaniline	64.6	4.J
83-32-9	Acenaphthene	77.5	
51-28-5	2,4-Dinitrophenol	82.8	
132-64-9	Dibenzofuran	75.8	
100-02-7	4-Nitrophenol	48.8	
121-14-2	2,4-Dinitrotoluene	73.4	
86-73-7	Fluorene	77.7	
84-66-2	Diethyl phthalate	77.8	
7005-72-3	4-Chlorophenyl phenyl ether	76.4	
100-01-6	4-Nitroaniline	69.0	4.J
534-52-1	4,6-Dinitro-2-methylphenol	78.8	
86-30-6	N-Nitrosodiphenylamine	77.1	

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349167-MSD1 File ID: B349167-MSD1.D
 Sampled: Prepared: 12/07/23 09:21 Analyzed: 12/12/23 17:37
 Solids: Preparation: EPA 3510 C Dilution:
 Batch: B349167 Sequence: S349025 Calibration: L349001 Instrument: ChemStation04
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
101-55-3	4-Bromophenyl phenyl ether	75.7	
118-74-1	Hexachlorobenzene	76.2	
87-86-5	Pentachlorophenol	80.0	
85-01-8	Phenanthrene	78.6	
120-12-7	Anthracene	79.0	
86-74-8	Carbazole	78.1	
84-74-2	Di-n-butyl phthalate	76.6	
206-44-0	Fluoranthene	77.0	
129-00-0	Pyrene	76.0	
85-68-7	Butyl benzyl phthalate	75.2	
56-55-3	Benzo(a)anthracene	72.3	
218-01-9	Chrysene	79.6	
91-94-1	3,3'-Dichlorobenzidine	59.8	4.J
117-81-7	Bis(2-Ethylhexyl)phthalate	80.0	
117-84-0	Di-n-octyl phthalate	76.4	
205-99-2	Benzo(b)fluoranthene	73.4	
207-08-9	Benzo(k)fluoranthene	83.6	
50-32-8	Benzo(a)pyrene	78.6	
193-39-5	Indeno(1,2,3-cd)pyrene	94.8	
53-70-3	Dibenzo(a,h)anthracene	95.2	
191-24-2	Benzo(g,h,i)perylene	94.6	
122-66-7/103-33-3	1,2-Diphenylhydrazine/Azobenzene	72.4	
124-18-5	n-Decane	61.7	
593-45-3	n-Octadecane	75.5	

1 - FORM I ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
		File ID:	3120104-01.D
Sampled:	11/30/23 09:25	Prepared:	12/07/23 09:21
		Analyzed:	12/12/23 23:13
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
110-86-1	Pyridine	10.0	4.T, U
62-75-9	N-Nitrosodimethylamine	5.00	U
108-95-2	Phenol	5.00	4.G, 4.V, U
62-53-3	Aniline	5.00	4.J, 4.T, U
95-57-8	2-Chlorophenol	5.00	U
111-44-4	Bis(2-Chloroethyl)ether	5.00	U
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
100-51-6	Benzyl alcohol	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
95-48-7	2-Methylphenol	5.00	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	5.00	U
67-72-1	Hexachloroethane	5.00	U
108-39-4/106-44-5	3/4-Methylphenol (m-Cresol/p-Cresol)	5.00	U
621-64-7	N-Nitroso-di-n-propylamine	5.00	U
98-95-3	Nitrobenzene	5.00	U
78-59-1	Isophorone	5.00	U
88-75-5	2-Nitrophenol	5.00	U
105-67-9	2,4-Dimethylphenol	5.00	U
65-85-0	Benzoic Acid	10.0	U
111-91-1	bis(2-Chloroethoxy)methane	5.00	U
120-83-2	2,4-Dichlorophenol	5.00	U

1 - FORM I ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
		File ID:	3120104-01.D
Sampled:	11/30/23 09:25	Prepared:	12/07/23 09:21
		Analyzed:	12/12/23 23:13
Solids:		Preparation:	EPA 3510 C
		Dilution:	1
Batch:	B349167	Sequence:	S349025
		Calibration:	L349001
		Instrument:	ChemStation04

CAS NO.	COMPOUND	CONC. (ug/L)	Q
7005-72-3	4-Chlorophenyl phenyl ether	5.00	U
100-01-6	4-Nitroaniline	5.00	4.J, U
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U
86-30-6	N-Nitrosodiphenylamine	5.00	U
101-55-3	4-Bromophenyl phenyl ether	5.00	U
118-74-1	Hexachlorobenzene	5.00	U
87-86-5	Pentachlorophenol	5.00	U
85-01-8	Phenanthrene	5.00	U
120-12-7	Anthracene	5.00	U
86-74-8	Carbazole	5.00	U
84-74-2	Di-n-butyl phthalate	5.00	U
206-44-0	Fluoranthene	5.00	U
129-00-0	Pyrene	5.00	U
85-68-7	Butyl benzyl phthalate	5.00	U
56-55-3	Benzo(a)anthracene	5.00	U
218-01-9	Chrysene	5.00	U
91-94-1	3,3'-Dichlorobenzidine	5.00	4.J, U
117-81-7	Bis(2-Ethylhexyl)phthalate	5.00	U
117-84-0	Di-n-octyl phthalate	5.00	U
205-99-2	Benzo(b)fluoranthene	5.00	U
207-08-9	Benzo(k)fluoranthene	5.00	U
50-32-8	Benzo(a)pyrene	5.00	U

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : B341004-BLK1.D
 Acq On : 11 Oct 2023 19:52
 Operator : JEM
 Sample : B341004-BLK1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 12 13:04:54 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	172499	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	633117	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	338769	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	527482	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	408250	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	400079	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.081	112	239797	16.44	ppm	0.03	
5) Phenol-d6	5.218	99	276813	16.47	ppm	0.01	
20) Nitrobenzene-d5	6.421	82	291625	23.35	ppm	0.00	
38) 2-Fluorobiphenyl	9.185	172	553851	27.34	ppm	0.00	
58) 2,4,6-Tribromophenol	11.473	330	71915	39.32	ppm	0.00	
70) Terphenyl-d14	15.166	244	688363	46.74	ppm	0.00	
Target Compounds							
2) Pyridine	0.000		0	N.D.	d		Qvalue
3) N-Nitrosodimethylamine	0.000		0	N.D.			
6) Phenol	5.232	94	1323	Below Cal	#	1	
7) Aniline	0.000		0	N.D.			
8) 2-Chlorophenol	0.000		0	N.D.			
9) N-Decane	5.439	57	6790	0.37	ppm	# 57	
10) Bis(2-chloroethyl)ether	0.000		0	N.D.			
11) 1,3-Dichlorobenzene	0.000		0	N.D.			
12) 1,4-Dichlorobenzene	0.000		0	N.D.			
13) Benzyl alcohol	5.844	108	1823	Below Cal	#	21	
14) 1,2-Dichlorobenzene	0.000		0	N.D.			
15) 2-Methylphenol	5.844	108	1823	Below Cal	#	1	
16) 2,2'-Oxybis(1-chloropr...	5.824	45	3031	Below Cal	#	7	
17) Hexachloroethane	0.000		0	N.D.			
18) 3/4-Methylphenol	0.000		0	N.D.			
19) N-Nitroso-di-n-propyla...	6.234	70	7341	Below Cal	#	73	
21) Nitrobenzene	6.421	77	2043	0.15	ppm	# 39	
22) Isophorone	6.884	82	1246	Below Cal	#	66	
23) 2-Nitrophenol	0.000		0	N.D.			
24) 2,4-Dimethylphenol	0.000		0	N.D.			
25) Benzoic acid	0.000		0	N.D.			
26) Bis(2-chloroethoxy)met...	0.000		0	N.D.			
27) 2,4-Dichlorophenol	0.000		0	N.D.			
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
30) Naphthalene	7.471	128	1814	Below Cal	#	69	
31) 4-Chloroaniline	0.000		0	N.D.			
32) Hexachlorobutadiene	0.000		0	N.D.			
33) 4-Chloro-3-methylphenol	0.000		0	N.D.			
34) 2-Methylnaphthalene	8.545	142	1471	Below Cal	#	42	
35) Hexachlorocyclopentadiene	0.000		0	N.D.			
36) 2,4,6-Trichlorophenol	0.000		0	N.D.			
37) 2,4,5-Trichlorophenol	0.000		0	N.D.			
39) 2-Chloronaphthalene	9.484	162	3220	Below Cal	#	38	

40)	2-Nitroaniline	9.484	65	1237	0.29 ppm	#	27
41)	Dimethyl phthalate	0.000		0	N.D.		
42)	Acenaphthylene	0.000		0	N.D.		
43)	2,6-Dinitrotoluene	0.000		0	N.D.		
45)	3-Nitroaniline	0.000		0	N.D.		
46)	Acenaphthene	10.201	154	1110	Below Cal	#	9
47)	2,4-Dinitrophenol	0.000		0	N.D.		
48)	Dibenzofuran	0.000		0	N.D.		
49)	4-Nitrophenol	10.794	65	1472	0.31 ppm	#	1
50)	2,4-Dinitrotoluene	0.000		0	N.D.		
51)	Fluorene	0.000		0	N.D.		
52)	Diethyl phthalate	11.059	149	1388	Below Cal	#	61
53)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
54)	4-Nitroaniline	0.000		0	N.D.		
55)	4,6-dinitro-2-methylph...	0.000		0	N.D.		
56)	N-Nitrosodiphenylamine	11.473	169	3160	Below Cal	#	27
57)	1,2-Diphenylhydrazine ...	11.323	77	2359	Below Cal	#	24
59)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
60)	Hexachlorobenzene	0.000		0	N.D.		
61)	Pentachlorophenol	0.000		0	N.D.		
62)	N-Octadecane	12.518	57	5018	0.00 ppm	#	72
64)	Phenanthrene	12.566	178	1449	0.05 ppm	#	61
65)	Anthracene	12.566	178	1449	0.05 ppm	#	60
66)	Carbazole	0.000		0	N.D.		
67)	Di-n-butyl phthalate	13.688	149	7110	0.26 ppm	#	76
68)	Fluoranthene	0.000		0	N.D.		
69)	Pyrene	0.000		0	N.D.		
71)	Butyl benzyl phthalate	16.066	149	1316	0.19 ppm	#	80
72)	Benzo(a)anthracene	16.779	228	1040	0.08 ppm	#	52
74)	Chrysene	16.779	228	1040	0.04 ppm	#	55
75)	3,3-Dichlorobenzidine	0.000		0	N.D.		
76)	Bis(2-ethylhexyl)phtha...	17.073	149	3926	0.20 ppm	#	83
77)	Di-n-octyl phthalate	18.127	149	6303	0.23 ppm	#	87
78)	Benzo(b)fluoranthene	0.000		0	N.D.		
79)	Benzo(k)fluoranthene	0.000		0	N.D.		
80)	Benzo(a)pyrene	0.000		0	N.D. d		
82)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
83)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
84)	Benzo(g,h,i)perylene	0.000		0	N.D.		

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : B341004-BS1.D
 Acq On : 11 Oct 2023 20:35
 Operator : JEM
 Sample : B341004-BS1
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 12 13:05:53 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	154050	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	563960	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	297818	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	459959	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	360725	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	365796	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.081	112	265979	20.55	ppm	0.03	
5) Phenol-d6	5.218	99	290639	19.52	ppm	0.01	
20) Nitrobenzene-d5	6.426	82	344149	31.18	ppm	0.00	
38) 2-Fluorobiphenyl	9.185	172	626764	34.90	ppm	0.00	
58) 2,4,6-Tribromophenol	11.477	330	71301	43.90	ppm	0.00	
70) Terphenyl-d14	15.166	244	686631	53.50	ppm	0.00	
Target Compounds							
2) Pyridine	2.685	79	163031	11.86	ppm	# 68	Qvalue
3) N-Nitrosodimethylamine	2.689	74	99444	13.27	ppm	# 82	
6) Phenol	5.232	94	169481	10.59	ppm	# 77	
7) Aniline	5.227	93	107798	6.75	ppm	# 15	
8) 2-Chlorophenol	5.367	128	159743	13.95	ppm	98	
9) N-Decane	5.444	57	178696	10.96	ppm	# 78	
10) Bis(2-chloroethyl)ether	5.323	93	173043	14.39	ppm	95	
11) 1,3-Dichlorobenzene	5.550	146	167421	14.03	ppm	97	
12) 1,4-Dichlorobenzene	5.627	146	161489	14.23	ppm	97	
13) Benzyl alcohol	5.843	108	117063	17.20	ppm	# 68	
14) 1,2-Dichlorobenzene	5.882	146	163810	14.53	ppm	97	
15) 2-Methylphenol	6.046	108	136544	13.97	ppm	# 88	
16) 2,2'-Oxybis(1-chloropr...	6.075	45	236999	14.55	ppm	# 57	
17) Hexachloroethane	6.311	117	66325	13.09	ppm	86	
18) 3/4-Methylphenol	6.258	107	152415	14.75	ppm	# 90	
19) N-Nitroso-di-n-propyla...	6.272	70	129839	19.40	ppm	98	
21) Nitrobenzene	6.450	77	175095	14.28	ppm	# 81	
22) Isophorone	6.797	82	333257	22.16	ppm	# 97	
23) 2-Nitrophenol	6.922	139	84592	18.93	ppm	# 75	
24) 2,4-Dimethylphenol	7.028	122	123624	15.08	ppm	90	
25) Benzoic acid	7.158	122	41297	15.53	ppm	99	
26) Bis(2-chloroethoxy)met...	7.173	93	207275	19.49	ppm	# 96	
27) 2,4-Dichlorophenol	7.278	162	128368	18.68	ppm	98	
28) 1,2,4-Trichlorobenzene	7.394	180	133254	17.47	ppm	95	
30) Naphthalene	7.476	128	471855	15.18	ppm	99	
31) 4-Chloroaniline	7.640	127	46069	3.59	ppm	# 96	
32) Hexachlorobutadiene	7.784	225	67651	14.05	ppm	95	
33) 4-Chloro-3-methylphenol	8.410	107	145578	19.74	ppm	# 82	
34) 2-Methylnaphthalene	8.545	142	302107	17.54	ppm	# 91	
35) Hexachlorocyclopentadiene	8.920	237	49716	13.00	ppm	99	
36) 2,4,6-Trichlorophenol	9.050	196	90829	21.94	ppm	93	
37) 2,4,5-Trichlorophenol	9.108	196	100249	23.57	ppm	97	
39) 2-Chloronaphthalene	9.301	162	280600	19.62	ppm	96	

40)	2-Nitroaniline	9.542	65	94815	25.13	ppm		89
41)	Dimethyl phthalate	9.927	163	329183	29.10	ppm	#	93
42)	Acenaphthylene	9.956	152	442460	22.53	ppm		100
43)	2,6-Dinitrotoluene	10.009	165	74300	28.98	ppm	#	82
45)	3-Nitroaniline	10.206	138	11316	3.00	ppm		90
46)	Acenaphthene	10.259	154	270796	16.01	ppm		96
47)	2,4-Dinitrophenol	10.360	184	16825	20.92	ppm	#	86
48)	Dibenzofuran	10.510	168	402137	17.42	ppm	#	89
49)	4-Nitrophenol	10.534	65	57398	21.37	ppm	#	74
50)	2,4-Dinitrotoluene	10.615	165	99310	27.60	ppm	#	70
51)	Fluorene	11.058	166	329707	19.16	ppm		100
52)	Diethyl phthalate	11.063	149	327996	22.98	ppm		99
53)	4-Chlorophenyl phenyl ...	11.102	204	141162	19.20	ppm		90
54)	4-Nitroaniline	11.179	138	18651	7.27	ppm	#	62
55)	4,6-dinitro-2-methylph...	11.246	198	27951	27.90	ppm	#	87
56)	N-Nitrosodiphenylamine	11.309	169	207584	15.79	ppm		98
57)	1,2-Diphenylhydrazine ...	11.343	77	386255	19.65	ppm	#	96
59)	4-Bromophenyl phenyl e...	11.867	248	77484	22.18	ppm		94
60)	Hexachlorobenzene	12.060	284	81317	23.84	ppm		98
61)	Pentachlorophenol	12.363	266	52754	31.86	ppm		97
62)	N-Octadecane	12.518	57	241849	19.50	ppm	#	75
64)	Phenanthrene	12.566	178	479443	17.97	ppm		100
65)	Anthracene	12.638	178	479399	18.12	ppm		98
66)	Carbazole	12.932	167	441450	20.16	ppm		98
67)	Di-n-butyl phthalate	13.688	149	621694	24.61	ppm	#	96
68)	Fluoranthene	14.473	202	488375	24.57	ppm	#	92
69)	Pyrene	14.819	202	507462	25.96	ppm		99
71)	Butyl benzyl phthalate	16.066	149	268854	37.92	ppm		91
72)	Benzo(a)anthracene	16.755	228	444436	37.67	ppm		99
74)	Chrysene	16.822	228	440991	18.80	ppm		100
75)	3,3-Dichlorobenzidine	16.798	252	3231	0.24	ppm	#	75
76)	Bis(2-ethylhexyl)phtha...	17.073	149	367278	21.20	ppm	#	96
77)	Di-n-octyl phthalate	18.123	149	633534	26.59	ppm	#	95
78)	Benzo(b)fluoranthene	18.585	252	406718	21.75	ppm		99
79)	Benzo(k)fluoranthene	18.628	252	410433	21.11	ppm		99
80)	Benzo(a)pyrene	19.172	252	380319	21.06	ppm		100
82)	Indeno(1,2,3-cd)pyrene	21.455	276	314657	16.13	ppm	#	83
83)	Dibenzo(a,h)anthracene	21.522	278	335269	15.69	ppm		96
84)	Benzo(g,h,i)perylene	21.980	276	326483	14.12	ppm		99

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : B341004-MS1.D
 Acq On : 11 Oct 2023 21:17
 Operator : JEM
 Sample : B341004-MS1
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 12 13:07:53 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	162058	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	586108	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.211	164	313850	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	488155	20.00	ppm	# 0.00	
73) Chrysene-d12	16.784	240	381192	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	388003	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.076	112	256618	18.80	ppm	0.03	
5) Phenol-d6	5.218	99	293761	18.72	ppm	0.01	
20) Nitrobenzene-d5	6.426	82	318829	27.33	ppm	0.00	
38) 2-Fluorobiphenyl	9.185	172	603889	32.31	ppm	0.00	
58) 2,4,6-Tribromophenol	11.477	330	72208	42.34	ppm	0.00	
70) Terphenyl-d14	15.166	244	655181	48.08	ppm	0.00	
Target Compounds							
2) Pyridine	2.685	79	130363	9.01	ppm	# 63	Qvalue
3) N-Nitrosodimethylamine	2.690	74	90383	11.37	ppm	# 82	
6) Phenol	5.232	94	178773	10.62	ppm	# 74	
7) Aniline	5.227	93	121059	7.21	ppm	# 18	
8) 2-Chlorophenol	5.367	128	153939	12.72	ppm	97	
9) N-Decane	5.444	57	163942	9.56	ppm	# 79	
10) Bis(2-chloroethyl)ether	5.323	93	168345	13.22	ppm	95	
11) 1,3-Dichlorobenzene	5.555	146	151919	12.00	ppm	96	
12) 1,4-Dichlorobenzene	5.627	146	148455	12.33	ppm	97	
13) Benzyl alcohol	5.844	108	113400	15.77	ppm	# 68	
14) 1,2-Dichlorobenzene	5.882	146	154473	12.93	ppm	96	
15) 2-Methylphenol	6.046	108	154901	15.14	ppm	# 87	
16) 2,2'-Oxybis(1-chloropr...	6.075	45	225167	13.02	ppm	# 57	
17) Hexachloroethane	6.306	117	60687	11.29	ppm	86	
18) 3/4-Methylphenol	6.258	107	169302	15.63	ppm	# 89	
19) N-Nitroso-di-n-propyla...	6.272	70	129966	18.40	ppm	99	
21) Nitrobenzene	6.450	77	172195	13.35	ppm	# 81	
22) Isophorone	6.797	82	337503	21.30	ppm	# 97	
23) 2-Nitrophenol	6.922	139	81589	17.35	ppm	# 76	
24) 2,4-Dimethylphenol	7.028	122	149982	17.58	ppm	90	
25) Benzoic acid	7.134	122	9687	4.05	ppm	86	
26) Bis(2-chloroethoxy)met...	7.173	93	208511	18.59	ppm	97	
27) 2,4-Dichlorophenol	7.274	162	129214	17.83	ppm	98	
28) 1,2,4-Trichlorobenzene	7.394	180	125648	15.54	ppm	95	
30) Naphthalene	7.476	128	454144	14.00	ppm	99	
31) 4-Chloroaniline	7.635	127	69363	5.40	ppm	98	
32) Hexachlorobutadiene	7.784	225	64616	12.85	ppm	96	
33) 4-Chloro-3-methylphenol	8.410	107	155268	20.28	ppm	# 82	
34) 2-Methylnaphthalene	8.550	142	298863	16.66	ppm	# 91	
35) Hexachlorocyclopentadiene	8.921	237	44822	11.27	ppm	98	
36) 2,4,6-Trichlorophenol	9.051	196	92432	21.48	ppm	94	
37) 2,4,5-Trichlorophenol	9.108	196	99111	22.40	ppm	96	
39) 2-Chloronaphthalene	9.301	162	284779	19.14	ppm	96	

40)	2-Nitroaniline	9.542	65	98368	25.08	ppm		90
41)	Dimethyl phthalate	9.927	163	340191	28.94	ppm	#	93
42)	Acenaphthylene	9.961	152	451179	22.10	ppm		99
43)	2,6-Dinitrotoluene	10.014	165	77754	29.18	ppm	#	82
45)	3-Nitroaniline	10.206	138	18969	4.58	ppm		86
46)	Acenaphthene	10.259	154	278685	15.62	ppm		95
47)	2,4-Dinitrophenol	10.365	184	12463	15.68	ppm	#	94
48)	Dibenzofuran	10.510	168	412584	16.94	ppm		90
49)	4-Nitrophenol	10.534	65	57084	20.20	ppm	#	77
50)	2,4-Dinitrotoluene	10.616	165	103361	27.31	ppm	#	68
51)	Fluorene	11.059	166	336302	18.52	ppm		99
52)	Diethyl phthalate	11.063	149	339554	22.55	ppm		99
53)	4-Chlorophenyl phenyl ...	11.102	204	144615	18.65	ppm		92
54)	4-Nitroaniline	11.179	138	24975	9.11	ppm	#	57
55)	4,6-dinitro-2-methylph...	11.246	198	25892	25.20	ppm	#	88
56)	N-Nitrosodiphenylamine	11.309	169	300576	21.84	ppm		98
57)	1,2-Diphenylhydrazine ...	11.343	77	392882	18.96	ppm	#	96
59)	4-Bromophenyl phenyl e...	11.867	248	79501	21.58	ppm		95
60)	Hexachlorobenzene	12.060	284	81449	22.63	ppm		97
61)	Pentachlorophenol	12.363	266	52310	30.28	ppm		97
62)	N-Octadecane	12.518	57	242493	18.53	ppm	#	75
64)	Phenanthrene	12.571	178	488668	17.26	ppm		100
65)	Anthracene	12.638	178	491458	17.51	ppm		99
66)	Carbazole	12.932	167	464257	19.98	ppm		99
67)	Di-n-butyl phthalate	13.688	149	623406	23.32	ppm	#	96
68)	Fluoranthene	14.473	202	505369	23.95	ppm	#	92
69)	Pyrene	14.819	202	518558	24.99	ppm		99
71)	Butyl benzyl phthalate	16.066	149	272212	36.40	ppm		91
72)	Benzo(a)anthracene	16.755	228	454347	36.34	ppm		99
74)	Chrysene	16.822	228	441916	17.83	ppm		99
75)	3,3-Dichlorobenzidine	16.794	252	29238	3.87	ppm	#	93
76)	Bis(2-ethylhexyl)phtha...	17.073	149	370506	20.24	ppm	#	96
77)	Di-n-octyl phthalate	18.118	149	644484	25.60	ppm	#	95
78)	Benzo(b)fluoranthene	18.580	252	418237	21.18	ppm		100
79)	Benzo(k)fluoranthene	18.623	252	417020	20.31	ppm		99
80)	Benzo(a)pyrene	19.172	252	404015	21.16	ppm		99
82)	Indeno(1,2,3-cd)pyrene	21.455	276	313373	15.22	ppm	#	83
83)	Dibenzo(a,h)anthracene	21.532	278	336817	14.92	ppm		96
84)	Benzo(g,h,i)perylene	21.980	276	339947	13.88	ppm		98

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

SV240111.M Fri Jan 12 14:44:50 2024

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : B341004-MSD1.D
 Acq On : 11 Oct 2023 21:59
 Operator : JEM
 Sample : B341004-MSD1
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 12 13:31:06 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	167561	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	610852	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	320877	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	497311	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	376443	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	377968	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.081	112	296946	21.11	ppm	0.03	
5) Phenol-d6	5.217	99	340645	21.11	ppm	0.01	
20) Nitrobenzene-d5	6.426	82	371886	30.97	ppm	0.00	
38) 2-Fluorobiphenyl	9.185	172	700554	36.04	ppm	0.00	
58) 2,4,6-Tribromophenol	11.477	330	77203	44.10	ppm	0.00	
70) Terphenyl-d14	15.166	244	695307	50.09	ppm	0.00	
Target Compounds							
							Qvalue
2) Pyridine	2.689	79	106825	7.14	ppm	#	51
3) N-Nitrosodimethylamine	2.694	74	61741	7.27	ppm		85
6) Phenol	5.232	94	114915	6.15	ppm	#	78
7) Aniline	5.232	93	53102	3.06	ppm	#	1
8) 2-Chlorophenol	5.372	128	101408	7.85	ppm		98
9) N-Decane	5.444	57	112240	6.33	ppm	#	79
10) Bis(2-chloroethyl)ether	5.323	93	110156	7.95	ppm		94
11) 1,3-Dichlorobenzene	5.555	146	103245	7.62	ppm		97
12) 1,4-Dichlorobenzene	5.627	146	99722	7.73	ppm		97
13) Benzyl alcohol	5.843	108	72569	9.47	ppm	#	66
14) 1,2-Dichlorobenzene	5.882	146	102769	7.99	ppm		97
15) 2-Methylphenol	6.046	108	101049	9.19	ppm	#	88
16) 2,2'-Oxybis(1-chloropr...	6.075	45	152570	8.10	ppm	#	57
17) Hexachloroethane	6.306	117	41230	7.15	ppm	#	84
18) 3/4-Methylphenol	6.258	107	107956	9.25	ppm		90
19) N-Nitroso-di-n-propyla...	6.272	70	84019	11.10	ppm		98
21) Nitrobenzene	6.450	77	113295	8.50	ppm	#	81
22) Isophorone	6.797	82	213776	12.67	ppm	#	97
23) 2-Nitrophenol	6.922	139	51410	10.57	ppm	#	76
24) 2,4-Dimethylphenol	7.028	122	90868	9.79	ppm		90
25) Benzoic acid	7.139	122	15015	5.78	ppm		92
26) Bis(2-chloroethoxy)met...	7.172	93	132486	11.02	ppm		96
27) 2,4-Dichlorophenol	7.274	162	82543	10.64	ppm		97
28) 1,2,4-Trichlorobenzene	7.394	180	82465	9.45	ppm		96
30) Naphthalene	7.476	128	295379	8.41	ppm		99
31) 4-Chloroaniline	7.644	127	20134	1.19	ppm	#	95
32) Hexachlorobutadiene	7.784	225	42956	7.90	ppm		97
33) 4-Chloro-3-methylphenol	8.410	107	94815	11.63	ppm	#	84
34) 2-Methylnaphthalene	8.545	142	189513	9.85	ppm	#	91
35) Hexachlorocyclopentadiene	8.920	237	26403	6.37	ppm		100
36) 2,4,6-Trichlorophenol	9.050	196	56422	12.55	ppm		94
37) 2,4,5-Trichlorophenol	9.113	196	62425	13.34	ppm		93
39) 2-Chloronaphthalene	9.301	162	178574	11.20	ppm		96

40)	2-Nitroaniline	9.542	65	60003	14.66	ppm		91
41)	Dimethyl phthalate	9.922	163	212497	17.17	ppm	#	94
42)	Acenaphthylene	9.956	152	280284	12.90	ppm		99
43)	2,6-Dinitrotoluene	10.009	165	47128	17.26	ppm	#	82
45)	3-Nitroaniline	10.211	138	4866	1.41	ppm	#	49
46)	Acenaphthene	10.254	154	173890	9.31	ppm		95
47)	2,4-Dinitrophenol	10.360	184	7142	9.52	ppm	#	96
48)	Dibenzofuran	10.509	168	255917	10.04	ppm		93
49)	4-Nitrophenol	10.534	65	34190	11.92	ppm	#	69
50)	2,4-Dinitrotoluene	10.611	165	62107	17.17	ppm	#	68
51)	Fluorene	11.058	166	207471	10.89	ppm		99
52)	Diethyl phthalate	11.063	149	210260	13.09	ppm		99
53)	4-Chlorophenyl phenyl ...	11.102	204	90061	11.18	ppm		91
54)	4-Nitroaniline	11.179	138	15637	5.73	ppm	#	57
55)	4,6-dinitro-2-methylph...	11.246	198	12945	13.92	ppm	#	84
56)	N-Nitrosodiphenylamine	11.309	169	179399	12.59	ppm		97
57)	1,2-Diphenylhydrazine ...	11.343	77	239025	11.12	ppm	#	97
59)	4-Bromophenyl phenyl e...	11.867	248	50296	13.19	ppm		93
60)	Hexachlorobenzene	12.060	284	52139	13.95	ppm		98
61)	Pentachlorophenol	12.363	266	29405	18.09	ppm		96
62)	N-Octadecane	12.517	57	156328	11.55	ppm	#	74
64)	Phenanthrene	12.566	178	302384	10.48	ppm		99
65)	Anthracene	12.638	178	303593	10.62	ppm		98
66)	Carbazole	12.932	167	289331	12.22	ppm		98
67)	Di-n-butyl phthalate	13.688	149	384448	14.43	ppm	#	96
68)	Fluoranthene	14.472	202	309460	14.40	ppm	#	92
69)	Pyrene	14.814	202	311650	14.74	ppm		99
71)	Butyl benzyl phthalate	16.066	149	161729	22.53	ppm		91
72)	Benzo(a)anthracene	16.755	228	268014	21.42	ppm		99
74)	Chrysene	16.818	228	264330	10.80	ppm		99
75)	3,3-Dichlorobenzidine	16.793	252	8159	0.92	ppm	#	98
76)	Bis(2-ethylhexyl)phtha...	17.073	149	226422	12.52	ppm	#	97
77)	Di-n-octyl phthalate	18.118	149	373068	15.01	ppm	#	95
78)	Benzo(b)fluoranthene	18.580	252	246434	12.90	ppm		97
79)	Benzo(k)fluoranthene	18.623	252	249491	12.39	ppm		97
80)	Benzo(a)pyrene	19.167	252	230312	12.74	ppm		100
82)	Indeno(1,2,3-cd)pyrene	21.450	276	175453	9.26	ppm	#	82
83)	Dibenzo(a,h)anthracene	21.522	278	188309	9.07	ppm		97
84)	Benzo(g,h,i)perylene	21.980	276	192220	8.38	ppm		99

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : 3100519-01.D
 Acq On : 11 Oct 2023 22:41
 Operator : JEM
 Sample : 3100519-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 12 13:31:25 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	168571	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	605008	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	320541	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	512569	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	399527	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	392143	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0	0.00	ppm		
5) Phenol-d6	0.000	99	0	0.00	ppm		
20) Nitrobenzene-d5	0.000	82	0	0.00	ppm		
38) 2-Fluorobiphenyl	9.185	172	1951	-0.52	ppm	0.00	
58) 2,4,6-Tribromophenol	11.473	330	42497	25.37	ppm	0.00	
70) Terphenyl-d14	15.166	244	617642	43.13	ppm	0.00	
Target Compounds							
2) Pyridine	0.000		0	N.D.			Qvalue
3) N-Nitrosodimethylamine	0.000		0	N.D.			
6) Phenol	0.000		0	N.D.			
7) Aniline	0.000		0	N.D.			
8) 2-Chlorophenol	0.000		0	N.D.			
9) N-Decane	0.000		0	N.D.			
10) Bis(2-chloroethyl)ether	0.000		0	N.D.			
11) 1,3-Dichlorobenzene	0.000		0	N.D.			
12) 1,4-Dichlorobenzene	0.000		0	N.D.			
13) Benzyl alcohol	0.000		0	N.D.			
14) 1,2-Dichlorobenzene	0.000		0	N.D.			
15) 2-Methylphenol	0.000		0	N.D.			
16) 2,2'-Oxybis(1-chloropr...	0.000		0	N.D.			
17) Hexachloroethane	0.000		0	N.D.			
18) 3/4-Methylphenol	0.000		0	N.D.			
19) N-Nitroso-di-n-propyla...	0.000		0	N.D.			
21) Nitrobenzene	0.000		0	N.D.			
22) Isophorone	0.000		0	N.D.			
23) 2-Nitrophenol	0.000		0	N.D.			
24) 2,4-Dimethylphenol	0.000		0	N.D.			
25) Benzoic acid	0.000		0	N.D.			
26) Bis(2-chloroethoxy)met...	0.000		0	N.D.			
27) 2,4-Dichlorophenol	0.000		0	N.D.			
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
30) Naphthalene	0.000		0	N.D.			
31) 4-Chloroaniline	0.000		0	N.D.			
32) Hexachlorobutadiene	0.000		0	N.D.			
33) 4-Chloro-3-methylphenol	0.000		0	N.D.			
34) 2-Methylnaphthalene	0.000		0	N.D.			
35) Hexachlorocyclopentadiene	0.000		0	N.D.			
36) 2,4,6-Trichlorophenol	0.000		0	N.D.			
37) 2,4,5-Trichlorophenol	0.000		0	N.D.			
39) 2-Chloronaphthalene	0.000		0	N.D.			

40)	2-Nitroaniline	0.000		0	N.D.		
41)	Dimethyl phthalate	0.000		0	N.D.		
42)	Acenaphthylene	0.000		0	N.D.		
43)	2,6-Dinitrotoluene	0.000		0	N.D.		
45)	3-Nitroaniline	0.000		0	N.D.		
46)	Acenaphthene	10.202	154	1198	Below Cal	#	9
47)	2,4-Dinitrophenol	0.000		0	N.D.		
48)	Dibenzofuran	0.000		0	N.D.		
49)	4-Nitrophenol	0.000		0	N.D.		
50)	2,4-Dinitrotoluene	0.000		0	N.D.		
51)	Fluorene	0.000		0	N.D.		
52)	Diethyl phthalate	0.000		0	N.D.		
53)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
54)	4-Nitroaniline	0.000		0	N.D.		
55)	4,6-dinitro-2-methylph...	0.000		0	N.D.		
56)	N-Nitrosodiphenylamine	11.473	169	1749	Below Cal	#	26
57)	1,2-Diphenylhydrazine ...	11.328	77	1439	Below Cal	#	59
59)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
60)	Hexachlorobenzene	0.000		0	N.D.		
61)	Pentachlorophenol	0.000		0	N.D.		
62)	N-Octadecane	12.518	57	3022	Below Cal		89
64)	Phenanthrene	12.561	178	1126	0.04 ppm	#	61
65)	Anthracene	12.561	178	1126	0.04 ppm	#	60
66)	Carbazole	0.000		0	N.D.		
67)	Di-n-butyl phthalate	13.683	149	5976	0.23 ppm	#	76
68)	Fluoranthene	0.000		0	N.D.		
69)	Pyrene	0.000		0	N.D.		
71)	Butyl benzyl phthalate	0.000		0	N.D.		
72)	Benzo(a)anthracene	16.770	228	1722	0.14 ppm	#	52
74)	Chrysene	16.770	228	1722	0.07 ppm	#	55
75)	3,3-Dichlorobenzidine	0.000		0	N.D.		
76)	Bis(2-ethylhexyl)phtha...	17.073	149	4222	0.22 ppm	#	88
77)	Di-n-octyl phthalate	18.123	149	5893	0.22 ppm	#	87
78)	Benzo(b)fluoranthene	0.000		0	N.D.		
79)	Benzo(k)fluoranthene	0.000		0	N.D.		
80)	Benzo(a)pyrene	0.000		0	N.D. d		
82)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
83)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
84)	Benzo(g,h,i)perylene	0.000		0	N.D.		

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : 3100519-02.D
 Acq On : 11 Oct 2023 23:24
 Operator : JEM
 Sample : 3100519-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 13:32:09 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	167685	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	613104	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	315764	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	512711	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	392509	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	385909	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.076	112	244432	17.26	ppm	0.03	
5) Phenol-d6	5.218	99	262999	16.08	ppm	0.01	
20) Nitrobenzene-d5	6.422	82	304437	25.15	ppm	0.00	
38) 2-Fluorobiphenyl	9.185	172	544063	27.74	ppm	0.00	
58) 2,4,6-Tribromophenol	11.473	330	61425	36.28	ppm	0.00	
70) Terphenyl-d14	15.166	244	618436	43.18	ppm	0.00	
Target Compounds							
2) Pyridine	2.709	79	8247	0.55	ppm	# 51	Qvalue
3) N-Nitrosodimethylamine	0.000		0	N.D.			
6) Phenol	0.000		0	N.D.			
7) Aniline	0.000		0	N.D.			
8) 2-Chlorophenol	0.000		0	N.D.			
9) N-Decane	5.444	57	5497	0.31	ppm	# 56	
10) Bis(2-chloroethyl)ether	0.000		0	N.D.			
11) 1,3-Dichlorobenzene	0.000		0	N.D.			
12) 1,4-Dichlorobenzene	0.000		0	N.D.			
13) Benzyl alcohol	0.000		0	N.D.			
14) 1,2-Dichlorobenzene	0.000		0	N.D.			
15) 2-Methylphenol	0.000		0	N.D.			
16) 2,2'-Oxybis(1-chloropr...	5.824	45	1468	Below Cal		# 27	
17) Hexachloroethane	0.000		0	N.D.			
18) 3/4-Methylphenol	0.000		0	N.D.			
19) N-Nitroso-di-n-propyla...	6.229	70	4071	Below Cal		# 73	
21) Nitrobenzene	6.426	77	1361	0.10	ppm	# 39	
22) Isophorone	0.000		0	N.D.			
23) 2-Nitrophenol	0.000		0	N.D.			
24) 2,4-Dimethylphenol	0.000		0	N.D.			
25) Benzoic acid	0.000		0	N.D.			
26) Bis(2-chloroethoxy)met...	0.000		0	N.D.			
27) 2,4-Dichlorophenol	0.000		0	N.D.			
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
30) Naphthalene	7.476	128	1254	Below Cal		# 69	
31) 4-Chloroaniline	0.000		0	N.D.			
32) Hexachlorobutadiene	0.000		0	N.D.			
33) 4-Chloro-3-methylphenol	0.000		0	N.D.			
34) 2-Methylnaphthalene	0.000		0	N.D.			
35) Hexachlorocyclopentadiene	0.000		0	N.D.			
36) 2,4,6-Trichlorophenol	0.000		0	N.D.			
37) 2,4,5-Trichlorophenol	0.000		0	N.D.			
39) 2-Chloronaphthalene	9.484	162	1897	Below Cal		# 38	

40)	2-Nitroaniline	0.000		0			N.D.		
41)	Dimethyl phthalate	0.000		0			N.D.		
42)	Acenaphthylene	0.000		0			N.D.		
43)	2,6-Dinitrotoluene	0.000		0			N.D.		
45)	3-Nitroaniline	0.000		0			N.D.		
46)	Acenaphthene	10.211	154	1146		Below Cal	#		9
47)	2,4-Dinitrophenol	0.000		0			N.D.		
48)	Dibenzofuran	0.000		0			N.D.		
49)	4-Nitrophenol	0.000		0			N.D.		
50)	2,4-Dinitrotoluene	0.000		0			N.D.		
51)	Fluorene	0.000		0			N.D.		
52)	Diethyl phthalate	11.059	149	1408		Below Cal	#		61
53)	4-Chlorophenyl phenyl ...	0.000		0			N.D.		
54)	4-Nitroaniline	0.000		0			N.D.		
55)	4,6-dinitro-2-methylph...	0.000		0			N.D.		
56)	N-Nitrosodiphenylamine	11.473	169	2913		Below Cal	#		30
57)	1,2-Diphenylhydrazine ...	11.323	77	2471		Below Cal	#		40
59)	4-Bromophenyl phenyl e...	0.000		0			N.D.		
60)	Hexachlorobenzene	0.000		0			N.D.		
61)	Pentachlorophenol	0.000		0			N.D.		
62)	N-Octadecane	12.518	57	3204		Below Cal			89
64)	Phenanthrene	12.561	178	1798		0.06 ppm	#		61
65)	Anthracene	12.561	178	1798		0.06 ppm	#		60
66)	Carbazole	0.000		0			N.D.		
67)	Di-n-butyl phthalate	13.683	149	5845		0.22 ppm	#		76
68)	Fluoranthene	14.473	202	1080		0.05 ppm	#		65
69)	Pyrene	14.815	202	1287		0.06 ppm	#		57
71)	Butyl benzyl phthalate	0.000		0			N.D.		
72)	Benzo(a)anthracene	0.000		0			N.D.		
74)	Chrysene	0.000		0			N.D.		
75)	3,3-Dichlorobenzidine	0.000		0			N.D.		
76)	Bis(2-ethylhexyl)phtha...	17.073	149	3208		0.17 ppm	#		52
77)	Di-n-octyl phthalate	18.123	149	2976		0.11 ppm	#		87
78)	Benzo(b)fluoranthene	0.000		0			N.D.		
79)	Benzo(k)fluoranthene	0.000		0			N.D.		
80)	Benzo(a)pyrene	0.000		0			N.D. d		
82)	Indeno(1,2,3-cd)pyrene	0.000		0			N.D.		
83)	Dibenzo(a,h)anthracene	0.000		0			N.D.		
84)	Benzo(g,h,i)perylene	0.000		0			N.D.		

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : 3100519-03.D
 Acq On : 12 Oct 2023 00:06
 Operator : JEM
 Sample : 3100519-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 13:32:52 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	167496	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	597736	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	313676	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	505232	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	381884	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	373610	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.062	112	1314	-0.46	ppm	0.01	
5) Phenol-d6	5.218	99	4766	-0.61	ppm	0.01	
20) Nitrobenzene-d5	0.000	82	0	0.00	ppm		
38) 2-Fluorobiphenyl	9.181	172	34945	1.25	ppm	0.00	
58) 2,4,6-Tribromophenol	11.473	330	53362	32.04	ppm	0.00	
70) Terphenyl-d14	15.166	244	662233	46.94	ppm	0.00	
Target Compounds							
2) Pyridine	0.000		0		N.D.		Qvalue
3) N-Nitrosodimethylamine	0.000		0		N.D.		
6) Phenol	0.000		0		N.D.		
7) Aniline	0.000		0		N.D.		
8) 2-Chlorophenol	0.000		0		N.D.		
9) N-Decane	0.000		0		N.D.		
10) Bis(2-chloroethyl)ether	0.000		0		N.D.		
11) 1,3-Dichlorobenzene	0.000		0		N.D.		
12) 1,4-Dichlorobenzene	0.000		0		N.D.		
13) Benzyl alcohol	0.000		0		N.D.		
14) 1,2-Dichlorobenzene	0.000		0		N.D.		
15) 2-Methylphenol	0.000		0		N.D.		
16) 2,2'-Oxybis(1-chloropr...	0.000		0		N.D.		
17) Hexachloroethane	0.000		0		N.D.		
18) 3/4-Methylphenol	0.000		0		N.D.		
19) N-Nitroso-di-n-propyla...	6.272	70	1268	Below Cal	#	73	
21) Nitrobenzene	0.000		0		N.D.		
22) Isophorone	0.000		0		N.D.		
23) 2-Nitrophenol	0.000		0		N.D.		
24) 2,4-Dimethylphenol	0.000		0		N.D.		
25) Benzoic acid	0.000		0		N.D.		
26) Bis(2-chloroethoxy)met...	0.000		0		N.D.		
27) 2,4-Dichlorophenol	0.000		0		N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0		N.D.		
30) Naphthalene	0.000		0		N.D.		
31) 4-Chloroaniline	0.000		0		N.D.		
32) Hexachlorobutadiene	0.000		0		N.D.		
33) 4-Chloro-3-methylphenol	0.000		0		N.D.		
34) 2-Methylnaphthalene	0.000		0		N.D.		
35) Hexachlorocyclopentadiene	0.000		0		N.D.		
36) 2,4,6-Trichlorophenol	0.000		0		N.D.		
37) 2,4,5-Trichlorophenol	0.000		0		N.D.		
39) 2-Chloronaphthalene	0.000		0		N.D.		

40)	2-Nitroaniline	0.000		0		N.D.		
41)	Dimethyl phthalate	0.000		0		N.D.		
42)	Acenaphthylene	0.000		0		N.D.		
43)	2,6-Dinitrotoluene	0.000		0		N.D.		
45)	3-Nitroaniline	0.000		0		N.D.		
46)	Acenaphthene	10.206	154	1076		Below Cal	#	9
47)	2,4-Dinitrophenol	0.000		0		N.D.		
48)	Dibenzofuran	0.000		0		N.D.		
49)	4-Nitrophenol	0.000		0		N.D.		
50)	2,4-Dinitrotoluene	0.000		0		N.D.		
51)	Fluorene	0.000		0		N.D.		
52)	Diethyl phthalate	0.000		0		N.D.		
53)	4-Chlorophenyl phenyl ...	0.000		0		N.D.		
54)	4-Nitroaniline	0.000		0		N.D.		
55)	4,6-dinitro-2-methylph...	0.000		0		N.D.		
56)	N-Nitrosodiphenylamine	11.468	169	2474		Below Cal	#	28
57)	1,2-Diphenylhydrazine ...	11.328	77	1757		Below Cal	#	25
59)	4-Bromophenyl phenyl e...	0.000		0		N.D.		
60)	Hexachlorobenzene	0.000		0		N.D.		
61)	Pentachlorophenol	0.000		0		N.D.		
62)	N-Octadecane	12.518	57	1404		Below Cal	#	40
64)	Phenanthrene	12.561	178	1492		0.05 ppm	#	61
65)	Anthracene	12.561	178	1492		0.05 ppm	#	60
66)	Carbazole	0.000		0		N.D.		
67)	Di-n-butyl phthalate	13.683	149	5569		0.21 ppm	#	76
68)	Fluoranthene	0.000		0		N.D.		
69)	Pyrene	0.000		0		N.D.		
71)	Butyl benzyl phthalate	16.066	149	1049		0.16 ppm	#	57
72)	Benzo(a)anthracene	16.774	228	1280		0.10 ppm	#	52
74)	Chrysene	16.774	228	1280		0.05 ppm	#	55
75)	3,3-Dichlorobenzidine	0.000		0		N.D.		
76)	Bis(2-ethylhexyl)phtha...	17.078	149	3218		0.18 ppm	#	84
77)	Di-n-octyl phthalate	18.175	149	1169		0.05 ppm	#	87
78)	Benzo(b)fluoranthene	0.000		0		N.D.		
79)	Benzo(k)fluoranthene	0.000		0		N.D.		
80)	Benzo(a)pyrene	0.000		0		N.D. d		
82)	Indeno(1,2,3-cd)pyrene	0.000		0		N.D.		
83)	Dibenzo(a,h)anthracene	0.000		0		N.D.		
84)	Benzo(g,h,i)perylene	0.000		0		N.D.		

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : 3100519-04.D
 Acq On : 12 Oct 2023 00:48
 Operator : JEM
 Sample : 3100519-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 12 13:33:22 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	160001	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	577467	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	303425	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	498562	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	377535	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	369583	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.076	112	232062	17.17	ppm	0.03	
5) Phenol-d6	5.218	99	262362	16.85	ppm	0.01	
20) Nitrobenzene-d5	6.421	82	290886	25.18	ppm	0.00	
38) 2-Fluorobiphenyl	9.185	172	560033	30.38	ppm	0.00	
58) 2,4,6-Tribromophenol	11.473	330	62226	38.09	ppm	0.00	
70) Terphenyl-d14	15.166	244	589337	42.31	ppm	0.00	
Target Compounds							
2) Pyridine	2.689	79	56946	3.99	ppm	# 68	
3) N-Nitrosodimethylamine	0.000		0	N.D.			
6) Phenol	0.000		0	N.D.			
7) Aniline	0.000		0	N.D.			
8) 2-Chlorophenol	0.000		0	N.D.			
9) N-Decane	5.439	57	5753	0.34	ppm	# 54	
10) Bis(2-chloroethyl)ether	0.000		0	N.D.			
11) 1,3-Dichlorobenzene	0.000		0	N.D.			
12) 1,4-Dichlorobenzene	0.000		0	N.D.			
13) Benzyl alcohol	5.839	108	1125	Below Cal		# 1	
14) 1,2-Dichlorobenzene	0.000		0	N.D.			
15) 2-Methylphenol	5.839	108	1125	Below Cal		# 1	
16) 2,2'-Oxybis(1-chloropr...	5.824	45	3100	Below Cal		# 31	
17) Hexachloroethane	0.000		0	N.D.			
18) 3/4-Methylphenol	0.000		0	N.D.			
19) N-Nitroso-di-n-propyla...	6.311	70	1543	Below Cal		# 73	
21) Nitrobenzene	6.421	77	1091	0.09	ppm	# 1	
22) Isophorone	0.000		0	N.D.			
23) 2-Nitrophenol	0.000		0	N.D.			
24) 2,4-Dimethylphenol	0.000		0	N.D.			
25) Benzoic acid	0.000		0	N.D.			
26) Bis(2-chloroethoxy)met...	0.000		0	N.D.			
27) 2,4-Dichlorophenol	0.000		0	N.D.			
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
30) Naphthalene	7.476	128	1315	Below Cal		# 69	
31) 4-Chloroaniline	0.000		0	N.D.			
32) Hexachlorobutadiene	0.000		0	N.D.			
33) 4-Chloro-3-methylphenol	0.000		0	N.D.			
34) 2-Methylnaphthalene	8.545	142	1022	Below Cal		# 1	
35) Hexachlorocyclopentadiene	0.000		0	N.D.			
36) 2,4,6-Trichlorophenol	0.000		0	N.D.			
37) 2,4,5-Trichlorophenol	0.000		0	N.D.			
39) 2-Chloronaphthalene	9.489	162	1904	Below Cal		# 38	

40)	2-Nitroaniline	0.000		0	N.D.		
41)	Dimethyl phthalate	0.000		0	N.D.		
42)	Acenaphthylene	0.000		0	N.D.		
43)	2,6-Dinitrotoluene	0.000		0	N.D.		
45)	3-Nitroaniline	0.000		0	N.D.		
46)	Acenaphthene	10.201	154	1026	Below Cal	#	9
47)	2,4-Dinitrophenol	0.000		0	N.D.		
48)	Dibenzofuran	10.510	168	1118	Below Cal	#	41
49)	4-Nitrophenol	10.794	65	1089	0.22 ppm	#	1
50)	2,4-Dinitrotoluene	0.000		0	N.D.		
51)	Fluorene	0.000		0	N.D.		
52)	Diethyl phthalate	11.059	149	1263	Below Cal	#	61
53)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
54)	4-Nitroaniline	0.000		0	N.D.		
55)	4,6-dinitro-2-methylph...	0.000		0	N.D.		
56)	N-Nitrosodiphenylamine	11.473	169	2783	Below Cal	#	31
57)	1,2-Diphenylhydrazine ...	11.323	77	2645	Below Cal	#	24
59)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
60)	Hexachlorobenzene	0.000		0	N.D.		
61)	Pentachlorophenol	0.000		0	N.D.		
62)	N-Octadecane	12.513	57	3441	Below Cal	#	84
64)	Phenanthrene	12.566	178	1806	0.06 ppm	#	61
65)	Anthracene	12.638	178	1031	0.04 ppm	#	60
66)	Carbazole	0.000		0	N.D.		
67)	Di-n-butyl phthalate	13.683	149	5922	0.23 ppm	#	76
68)	Fluoranthene	14.468	202	1334	0.06 ppm	#	65
69)	Pyrene	14.810	202	1366	0.06 ppm	#	57
71)	Butyl benzyl phthalate	16.071	149	1126	0.17 ppm	#	15
72)	Benzo(a)anthracene	16.784	228	1658	0.14 ppm	#	52
74)	Chrysene	16.784	228	1658	0.07 ppm	#	55
75)	3,3-Dichlorobenzidine	0.000		0	N.D.		
76)	Bis(2-ethylhexyl)phtha...	17.078	149	4012	0.22 ppm	#	86
77)	Di-n-octyl phthalate	18.132	149	11296	0.45 ppm	#	87
78)	Benzo(b)fluoranthene	0.000		0	N.D.		
79)	Benzo(k)fluoranthene	0.000		0	N.D.		
80)	Benzo(a)pyrene	0.000		0	N.D.	d	
82)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
83)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
84)	Benzo(g,h,i)perylene	0.000		0	N.D.		

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : 3100519-05.D
 Acq On : 12 Oct 2023 1:30
 Operator : JEM
 Sample : 3100519-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 12 13:33:52 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	166412	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	601716	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	318585	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	514764	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	394116	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	383492	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.076	112	215245	15.25	ppm	0.03	
5) Phenol-d6	5.213	99	253699	15.60	ppm	0.00	
20) Nitrobenzene-d5	6.421	82	272491	22.58	ppm	0.00	
38) 2-Fluorobiphenyl	9.181	172	530403	27.56	ppm	0.00	
58) 2,4,6-Tribromophenol	11.473	330	60556	35.51	ppm	0.00	
70) Terphenyl-d14	15.166	244	675843	47.02	ppm	0.00	
Target Compounds							
2) Pyridine	2.704	79	8646	0.58	ppm	# 50	Qvalue
3) N-Nitrosodimethylamine	0.000		0	N.D.			
6) Phenol	0.000		0	N.D.			
7) Aniline	0.000		0	N.D.			
8) 2-Chlorophenol	0.000		0	N.D.			
9) N-Decane	5.439	57	4660	0.26	ppm	# 30	
10) Bis(2-chloroethyl)ether	0.000		0	N.D.			
11) 1,3-Dichlorobenzene	0.000		0	N.D.			
12) 1,4-Dichlorobenzene	0.000		0	N.D.			
13) Benzyl alcohol	5.839	108	1088	Below Cal		# 1	
14) 1,2-Dichlorobenzene	0.000		0	N.D.			
15) 2-Methylphenol	5.839	108	1088	Below Cal		# 1	
16) 2,2'-Oxybis(1-chloropr...	5.824	45	2595	Below Cal		# 3	
17) Hexachloroethane	0.000		0	N.D.			
18) 3/4-Methylphenol	0.000		0	N.D.			
19) N-Nitroso-di-n-propyla...	6.229	70	3599	Below Cal		# 73	
21) Nitrobenzene	6.494	77	3525	0.27	ppm	# 42	
22) Isophorone	0.000		0	N.D.			
23) 2-Nitrophenol	0.000		0	N.D.			
24) 2,4-Dimethylphenol	0.000		0	N.D.			
25) Benzoic acid	0.000		0	N.D.			
26) Bis(2-chloroethoxy)met...	0.000		0	N.D.			
27) 2,4-Dichlorophenol	0.000		0	N.D.			
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
30) Naphthalene	7.476	128	1297	Below Cal		# 69	
31) 4-Chloroaniline	0.000		0	N.D.			
32) Hexachlorobutadiene	0.000		0	N.D.			
33) 4-Chloro-3-methylphenol	0.000		0	N.D.			
34) 2-Methylnaphthalene	8.545	142	1048	Below Cal		# 1	
35) Hexachlorocyclopentadiene	0.000		0	N.D.			
36) 2,4,6-Trichlorophenol	0.000		0	N.D.			
37) 2,4,5-Trichlorophenol	0.000		0	N.D.			
39) 2-Chloronaphthalene	9.489	162	1555	Below Cal		# 38	

40)	2-Nitroaniline	0.000		0	N.D.		
41)	Dimethyl phthalate	0.000		0	N.D.		
42)	Acenaphthylene	0.000		0	N.D.		
43)	2,6-Dinitrotoluene	0.000		0	N.D.		
45)	3-Nitroaniline	0.000		0	N.D.		
46)	Acenaphthene	10.206	154	1002	Below Cal	#	9
47)	2,4-Dinitrophenol	0.000		0	N.D.		
48)	Dibenzofuran	10.505	168	1301	Below Cal	#	41
49)	4-Nitrophenol	0.000		0	N.D.		
50)	2,4-Dinitrotoluene	0.000		0	N.D.		
51)	Fluorene	0.000		0	N.D.		
52)	Diethyl phthalate	11.059	149	1167	Below Cal	#	61
53)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
54)	4-Nitroaniline	0.000		0	N.D.		
55)	4,6-dinitro-2-methylph...	0.000		0	N.D.		
56)	N-Nitrosodiphenylamine	11.468	169	2600	Below Cal	#	30
57)	1,2-Diphenylhydrazine ...	11.323	77	2190	Below Cal	#	20
59)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
60)	Hexachlorobenzene	0.000		0	N.D.		
61)	Pentachlorophenol	0.000		0	N.D.		
62)	N-Octadecane	12.518	57	2674	Below Cal	#	77
64)	Phenanthrene	12.566	178	2109	0.07 ppm	#	61
65)	Anthracene	12.633	178	1029	0.03 ppm	#	60
66)	Carbazole	0.000		0	N.D.		
67)	Di-n-butyl phthalate	13.683	149	6566	0.25 ppm	#	76
68)	Fluoranthene	14.468	202	1535	0.07 ppm	#	65
69)	Pyrene	14.815	202	1463	0.07 ppm	#	57
71)	Butyl benzyl phthalate	16.062	149	1284	0.19 ppm	#	66
72)	Benzo(a)anthracene	16.779	228	1866	0.15 ppm	#	52
74)	Chrysene	16.779	228	1866	0.07 ppm	#	55
75)	3,3-Dichlorobenzidine	0.000		0	N.D.		
76)	Bis(2-ethylhexyl)phtha...	17.073	149	3553	0.19 ppm	#	52
77)	Di-n-octyl phthalate	18.176	149	1533	0.06 ppm	#	87
78)	Benzo(b)fluoranthene	0.000		0	N.D.		
79)	Benzo(k)fluoranthene	0.000		0	N.D.		
80)	Benzo(a)pyrene	0.000		0	N.D. d		
82)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
83)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
84)	Benzo(g,h,i)perylene	0.000		0	N.D.		

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : 3100519-06.D
 Acq On : 12 Oct 2023 2:13
 Operator : JEM
 Sample : 3100519-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 12 13:34:08 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	163909	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	585563	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	311513	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	500149	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	381183	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	360792	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	0.000	112	0	0.00	ppm		
5) Phenol-d6	0.000	99	0	0.00	ppm		
20) Nitrobenzene-d5	0.000	82	0	0.00	ppm		
38) 2-Fluorobiphenyl	9.180	172	8279	-0.17	ppm	0.00	
58) 2,4,6-Tribromophenol	11.473	330	51636	31.27	ppm	0.00	
70) Terphenyl-d14	15.166	244	668200	47.85	ppm	0.00	
Target Compounds							
2) Pyridine	0.000		0		N.D.		Qvalue
3) N-Nitrosodimethylamine	0.000		0		N.D.		
6) Phenol	0.000		0		N.D.		
7) Aniline	0.000		0		N.D.		
8) 2-Chlorophenol	0.000		0		N.D.		
9) N-Decane	0.000		0		N.D.		
10) Bis(2-chloroethyl)ether	0.000		0		N.D.		
11) 1,3-Dichlorobenzene	0.000		0		N.D.		
12) 1,4-Dichlorobenzene	0.000		0		N.D.		
13) Benzyl alcohol	0.000		0		N.D.		
14) 1,2-Dichlorobenzene	0.000		0		N.D.		
15) 2-Methylphenol	0.000		0		N.D.		
16) 2,2'-Oxybis(1-chloropr...	0.000		0		N.D.		
17) Hexachloroethane	0.000		0		N.D.		
18) 3/4-Methylphenol	0.000		0		N.D.		
19) N-Nitroso-di-n-propyla...	0.000		0		N.D.		
21) Nitrobenzene	0.000		0		N.D.		
22) Isophorone	0.000		0		N.D.		
23) 2-Nitrophenol	0.000		0		N.D.		
24) 2,4-Dimethylphenol	0.000		0		N.D.		
25) Benzoic acid	0.000		0		N.D.		
26) Bis(2-chloroethoxy)met...	0.000		0		N.D.		
27) 2,4-Dichlorophenol	0.000		0		N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0		N.D.		
30) Naphthalene	0.000		0		N.D.		
31) 4-Chloroaniline	0.000		0		N.D.		
32) Hexachlorobutadiene	0.000		0		N.D.		
33) 4-Chloro-3-methylphenol	0.000		0		N.D.		
34) 2-Methylnaphthalene	0.000		0		N.D.		
35) Hexachlorocyclopentadiene	0.000		0		N.D.		
36) 2,4,6-Trichlorophenol	0.000		0		N.D.		
37) 2,4,5-Trichlorophenol	0.000		0		N.D.		
39) 2-Chloronaphthalene	0.000		0		N.D.		

40)	2-Nitroaniline	0.000		0		N.D.		
41)	Dimethyl phthalate	0.000		0		N.D.		
42)	Acenaphthylene	0.000		0		N.D.		
43)	2,6-Dinitrotoluene	0.000		0		N.D.		
45)	3-Nitroaniline	0.000		0		N.D.		
46)	Acenaphthene	0.000		0		N.D.		
47)	2,4-Dinitrophenol	0.000		0		N.D.		
48)	Dibenzofuran	0.000		0		N.D.		
49)	4-Nitrophenol	0.000		0		N.D.		
50)	2,4-Dinitrotoluene	0.000		0		N.D.		
51)	Fluorene	0.000		0		N.D.		
52)	Diethyl phthalate	0.000		0		N.D.		
53)	4-Chlorophenyl phenyl ...	0.000		0		N.D.		
54)	4-Nitroaniline	0.000		0		N.D.		
55)	4,6-dinitro-2-methylph...	0.000		0		N.D.		
56)	N-Nitrosodiphenylamine	11.473	169	2408		Below Cal	#	31
57)	1,2-Diphenylhydrazine ...	11.328	77	1039		Below Cal	#	59
59)	4-Bromophenyl phenyl e...	0.000		0		N.D.		
60)	Hexachlorobenzene	0.000		0		N.D.		
61)	Pentachlorophenol	0.000		0		N.D.		
62)	N-Octadecane	12.517	57	1604		Below Cal	#	38
64)	Phenanthrene	12.561	178	1538		0.05 ppm	#	61
65)	Anthracene	12.561	178	1538		0.05 ppm	#	60
66)	Carbazole	0.000		0		N.D.		
67)	Di-n-butyl phthalate	13.683	149	5723		0.22 ppm	#	76
68)	Fluoranthene	0.000		0		N.D.		
69)	Pyrene	0.000		0		N.D.		
71)	Butyl benzyl phthalate	0.000		0		N.D.		
72)	Benzo(a)anthracene	16.779	228	1355		0.11 ppm	#	52
74)	Chrysene	16.779	228	1355		0.05 ppm	#	55
75)	3,3-Dichlorobenzidine	0.000		0		N.D.		
76)	Bis(2-ethylhexyl)phtha...	17.073	149	3448		0.19 ppm	#	78
77)	Di-n-octyl phthalate	18.171	149	1287		0.05 ppm	#	87
78)	Benzo(b)fluoranthene	0.000		0		N.D.		
79)	Benzo(k)fluoranthene	0.000		0		N.D.		
80)	Benzo(a)pyrene	0.000		0		N.D.	d	
82)	Indeno(1,2,3-cd)pyrene	0.000		0		N.D.		
83)	Dibenzo(a,h)anthracene	0.000		0		N.D.		
84)	Benzo(g,h,i)perylene	0.000		0		N.D.		

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

Data Path : C:\msdchem\1\data\2023\10_2023\20231011\
 Data File : 3100519-07.D
 Acq On : 12 Oct 2023 2:55
 Operator : JEM
 Sample : 3100519-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 12 13:34:21 2023
 Quant Method : C:\msdchem\1\methods\METHODS\SV231012.M
 Quant Title : EPA 8270 Multi-Point Calibration
 QLast Update : Thu Oct 12 12:24:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.603	152	159364	20.00	ppm	0.00	
29) Naphthalene-d8	7.447	136	577961	20.00	ppm	# 0.00	
44) Acenaphthene-d10	10.206	164	301539	20.00	ppm	0.00	
63) Phenanthrene-d10	12.532	188	486662	20.00	ppm	# 0.00	
73) Chrysene-d12	16.779	240	374998	20.00	ppm	0.00	
81) Perylene-d12	19.283	264	366391	20.00	ppm	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	4.076	112	201660	14.91	ppm	0.03	
5) Phenol-d6	5.217	99	271679	17.55	ppm	0.01	
20) Nitrobenzene-d5	6.421	82	318905	27.82	ppm	0.00	
38) 2-Fluorobiphenyl	9.185	172	626042	34.00	ppm	0.00	
58) 2,4,6-Tribromophenol	11.473	330	57888	35.84	ppm	0.00	
70) Terphenyl-d14	15.166	244	695754	51.23	ppm	0.00	
Target Compounds							
2) Pyridine	2.699	79	17726	1.25	ppm	# 65	Qvalue
3) N-Nitrosodimethylamine	0.000		0	N.D.			
6) Phenol	0.000		0	N.D.			
7) Aniline	0.000		0	N.D.			
8) 2-Chlorophenol	0.000		0	N.D.			
9) N-Decane	5.434	57	4708	0.28	ppm	# 32	
10) Bis(2-chloroethyl)ether	0.000		0	N.D.			
11) 1,3-Dichlorobenzene	0.000		0	N.D.			
12) 1,4-Dichlorobenzene	0.000		0	N.D.			
13) Benzyl alcohol	5.843	108	1373	Below Cal		# 16	
14) 1,2-Dichlorobenzene	0.000		0	N.D.			
15) 2-Methylphenol	5.843	108	1373	Below Cal		# 1	
16) 2,2'-Oxybis(1-chloropr...	5.829	45	2037	Below Cal		# 11	
17) Hexachloroethane	0.000		0	N.D.			
18) 3/4-Methylphenol	0.000		0	N.D.			
19) N-Nitroso-di-n-propyla...	6.229	70	5664	Below Cal		# 73	
21) Nitrobenzene	6.421	77	1083	0.09	ppm	# 1	
22) Isophorone	6.893	82	1043	Below Cal		# 66	
23) 2-Nitrophenol	0.000		0	N.D.			
24) 2,4-Dimethylphenol	0.000		0	N.D.			
25) Benzoic acid	0.000		0	N.D.			
26) Bis(2-chloroethoxy)met...	0.000		0	N.D.			
27) 2,4-Dichlorophenol	0.000		0	N.D.			
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
30) Naphthalene	7.558	128	1863	Below Cal		# 69	
31) 4-Chloroaniline	0.000		0	N.D.			
32) Hexachlorobutadiene	0.000		0	N.D.			
33) 4-Chloro-3-methylphenol	0.000		0	N.D.			
34) 2-Methylnaphthalene	0.000		0	N.D.			
35) Hexachlorocyclopentadiene	0.000		0	N.D.			
36) 2,4,6-Trichlorophenol	0.000		0	N.D.			
37) 2,4,5-Trichlorophenol	0.000		0	N.D.			
39) 2-Chloronaphthalene	9.484	162	1472	Below Cal		# 1	

40)	2-Nitroaniline	9.474	65	7612	1.96 ppm	#	30
41)	Dimethyl phthalate	0.000		0	N.D.		
42)	Acenaphthylene	0.000		0	N.D.		
43)	2,6-Dinitrotoluene	0.000		0	N.D.		
45)	3-Nitroaniline	0.000		0	N.D.		
46)	Acenaphthene	0.000		0	N.D.		
47)	2,4-Dinitrophenol	0.000		0	N.D.		
48)	Dibenzofuran	0.000		0	N.D.		
49)	4-Nitrophenol	10.635	65	1294	0.31 ppm	#	1
50)	2,4-Dinitrotoluene	0.000		0	N.D.		
51)	Fluorene	0.000		0	N.D.		
52)	Diethyl phthalate	11.058	149	1785	Below Cal	#	61
53)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
54)	4-Nitroaniline	0.000		0	N.D.		
55)	4,6-dinitro-2-methylph...	0.000		0	N.D.		
56)	N-Nitrosodiphenylamine	11.473	169	2500	Below Cal	#	26
57)	1,2-Diphenylhydrazine ...	11.328	77	2782	Below Cal	#	35
59)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
60)	Hexachlorobenzene	0.000		0	N.D.		
61)	Pentachlorophenol	0.000		0	N.D.		
62)	N-Octadecane	12.517	57	2010	Below Cal	#	82
64)	Phenanthrene	12.561	178	1476	0.05 ppm	#	61
65)	Anthracene	12.561	178	1476	0.05 ppm	#	60
66)	Carbazole	0.000		0	N.D.		
67)	Di-n-butyl phthalate	13.683	149	8368	0.33 ppm	#	76
68)	Fluoranthene	0.000		0	N.D.		
69)	Pyrene	0.000		0	N.D.		
71)	Butyl benzyl phthalate	16.066	149	1150	0.18 ppm	#	10
72)	Benzo(a)anthracene	0.000		0	N.D.		
74)	Chrysene	0.000		0	N.D.		
75)	3,3-Dichlorobenzidine	0.000		0	N.D.		
76)	Bis(2-ethylhexyl)phtha...	17.073	149	4427	0.25 ppm	#	84
77)	Di-n-octyl phthalate	18.127	149	5605	0.23 ppm	#	87
78)	Benzo(b)fluoranthene	0.000		0	N.D.		
79)	Benzo(k)fluoranthene	0.000		0	N.D.		
80)	Benzo(a)pyrene	0.000		0	N.D. d		
82)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
83)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
84)	Benzo(g,h,i)perylene	0.000		0	N.D.		

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



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

EPA 8260 D



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"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

VOLATILES QC SUMMARY



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8260 D

Laboratory: Long Island Analytical Laboratories, Inc. SDG: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Matrix: Non-Potable Water Instrument: ChemStation05

	(74.4% -	(BFB) # (89.4% -	(DCE) # (90.7% -	(TOL) # (92.7% -
3120104-01	99	104	100	98
B348197-BLK1	97	100	99	97
B348197-BS1	97	97	100	100
B348197-MS1	99	97	100	100
B348197-MSD1	96	97	98	101



SYSTEM MONITORING COMPOUND SUMMARY

EPA 8260 D

Laboratory: Long Island Analytical Laboratories, Inc. SDG: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Matrix: Non-Potable Water Instrument: ChemStation05

	(74.4% -	(BFB) # (89.4% -	(DCE) # (90.7% -	(TOL) # (92.7% -
3120104-04	105	102	103	97
3120104-05	104	102	102	98
3120104-06	105	101	101	97
3120104-07	104	102	101	98
3120104-08	105	104	103	96
3120104-09	103	102	104	98
3120104-10	104	103	102	97
B349008-BLK1	104	100	99	98
B349008-BS1	98	96	100	99
B349008-MS1	100	96	99	99
B349008-MSD1	102	98	99	99

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B348197	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B348197-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
Dichlorodifluoromethane	50.0	ND	54.1	108	58.9 - 135
Chlorodifluoromethane	50.0	ND	53.1	106	60.1 - 147
Chloromethane	50.0	0.390	53.2	106	63.2 - 148
Vinyl chloride	50.0	ND	53.1	106	47.6 - 150
Bromomethane	50.0	ND	50.8	102	49.6 - 155
Chloroethane	50.0	ND	51.3	103	45.9 - 155
Trichlorofluoromethane	50.0	ND	53.7	107	70.7 - 145
Acrolein	50.0	0.340	54.2	108	52.7 - 134
Acetone	50.0	ND	50.5	101	40.6 - 142
1,1-Dichloroethene	50.0	ND	52.2	104	69 - 146
tert-Butyl alcohol	50.0	ND	47.0	94	54.5 - 147
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	ND	54.4	109	72.2 - 149
Methyl Acetate	50.0	ND	51.6	103	58.3 - 143
Acrylonitrile	50.0	ND	50.4	101	62.8 - 156
Methylene Chloride	50.0	ND	46.2	92	49.2 - 145
Carbon disulfide	50.0	0.480	48.4	96	55 - 139
Methyl-tert-Butyl Ether	50.0	0.130	47.9	96	62.7 - 122
trans-1,2-Dichloroethene	50.0	ND	48.2	96	71.1 - 135
1,1-Dichloroethane	50.0	ND	49.4	99	70.1 - 129
Vinyl Acetate	50.0	ND	48.2	96	56.8 - 119
Methyl Ethyl Ketone (2-Butanone)	50.0	ND	55.6	111	55.9 - 144
cis-1,2-Dichloroethene	50.0	0.110	48.2	96	72.8 - 132
2,2-Dichloropropane	50.0	ND	55.4	111	70.6 - 127

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B348197	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B348197-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
Bromochloromethane	50.0	ND	48.2	96	64.7 - 119
Chloroform	50.0	0.190	49.8	99	74.4 - 130
1,1,1-Trichloroethane	50.0	ND	51.8	104	76.3 - 130
1,2-Dichloroethane	50.0	0.340	48.5	96	70.5 - 125
1,1-Dichloropropene	50.0	ND	52.2	104	69.8 - 133
Carbon Tetrachloride	50.0	ND	52.3	105	69.3 - 132
Benzene	50.0	0.180	48.5	97	74.5 - 134
Trichloroethene	50.0	0.120	50.3	100	76.2 - 120
1,2-Dichloropropane	50.0	0.100	48.6	97	78.5 - 123
Dibromomethane	50.0	ND	49.5	99	68.6 - 119
1,4-Dioxane	500	ND	616	123	49.7 - 144
Bromodichloromethane	50.0	ND	48.0	96	69.5 - 127
2-Chloroethyl Vinyl Ether	50.0	ND	52.4	105	45.4 - 141
4-Methyl-2-Pentanone	50.0	ND	56.8	114	59.6 - 133
cis-1,3-Dichloropropene	50.0	ND	48.6	97	71.9 - 115
Toluene	50.0	0.300	50.0	99	71.5 - 129
trans-1,3-Dichloropropene	50.0	0.120	49.6	99	75.2 - 117
1,1,2-Trichloroethane	50.0	0.100	51.4	103	70.9 - 120
Methyl Butyl Ketone (2-Hexanone)	50.0	ND	57.2	114	56.7 - 120
1,3-Dichloropropane	50.0	ND	47.9	96	79.5 - 123
Dibromochloromethane	50.0	ND	50.3	101	71.5 - 118
Tetrachloroethene	50.0	0.150	52.0	104	68 - 128
1,2-Dibromoethane	50.0	ND	48.7	97	76.1 - 115
Chlorobenzene	50.0	0.170	49.6	99	72 - 120

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B348197	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B348197-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	ND	49.0	98	72.2 - 117
Ethylbenzene	50.0	0.130	50.9	102	73.4 - 128
m,p-Xylenes	100	ND	105	105	73.6 - 128
Styrene	50.0	0.170	49.5	99	67.7 - 116
o-Xylene	50.0	ND	50.8	102	69.7 - 121
Bromoform	50.0	ND	52.4	105	67.1 - 120
1,1,2,2-Tetrachloroethane	50.0	ND	54.2	108	70.8 - 123
Isopropylbenzene (Cumene)	50.0	ND	52.7	105	74.6 - 127
1,2,3-Trichloropropane	50.0	ND	54.1	108	70.5 - 113
Bromobenzene	50.0	0.190	49.1	98	73.3 - 122
n-Propylbenzene	50.0	ND	52.6	105	70.4 - 127
2-Chlorotoluene	50.0	ND	51.5	103	74.9 - 124
4-Ethyltoluene	50.0	0.240	52.1	104	71.3 - 121
4-Chlorotoluene	50.0	ND	51.4	103	74.7 - 124
1,3,5-Trimethylbenzene	50.0	0.170	51.9	104	74.2 - 121
tert-Butylbenzene	50.0	0.340	54.4	108	67.7 - 125
1,2,4-Trimethylbenzene	50.0	0.210	51.8	103	74.3 - 121
sec-Butylbenzene	50.0	ND	54.4	109	61.1 - 128
1,3-Dichlorobenzene	50.0	0.310	49.7	99	72.1 - 120
4-Isopropyltoluene	50.0	0.220	52.9	105	75 - 128
1,4-Dichlorobenzene	50.0	0.360	49.7	99	76.6 - 119
1,2-Dichlorobenzene	50.0	0.260	49.0	98	75.5 - 120
1,4-Diethylbenzene	50.0	0.390	53.3	106	72.2 - 121
n-Butylbenzene	50.0	0.350	52.9	105	75.3 - 130



3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B348197	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B348197-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
1,2-Dibromo-3-chloropropane	50.0	ND	59.2	118	63 - 130
1,2,4,5-Tetramethylbenzene	50.0	ND	51.0	102	78.2 - 122
1,2,4-Trichlorobenzene	50.0	0.440	54.1	107	73.1 - 127
Naphthalene	50.0	ND	63.0	126	* 69.3 - 107
Hexachlorobutadiene	50.0	ND	55.0	110	74.9 - 140
1,2,3-Trichlorobenzene	50.0	ND	56.5	113	74.2 - 124

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B348197	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B348197-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	50.0	54.5	109	0.6	20	58.9 - 135
Chlorodifluoromethane	50.0	53.0	106	0.1	20	60.1 - 147
Chloromethane	50.0	53.1	105	0.2	20	63.2 - 148
Vinyl chloride	50.0	52.7	105	0.8	20	47.6 - 150
Bromomethane	50.0	50.4	101	0.7	20	49.6 - 155
Chloroethane	50.0	50.1	100	2	20	45.9 - 155
Trichlorofluoromethane	50.0	54.6	109	2	20	70.7 - 145
Acrolein	50.0	54.0	107	0.4	20	52.7 - 134
Acetone	50.0	52.3	105	3	20	40.6 - 142
1,1-Dichloroethene	50.0	52.6	105	0.8	20	69 - 146
tert-Butyl alcohol	50.0	48.8	98	4	20	54.5 - 147
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.0	110	1	20	72.2 - 149
Methyl Acetate	50.0	54.1	108	5	20	58.3 - 143
Acrylonitrile	50.0	51.9	104	3	20	62.8 - 156
Methylene Chloride	50.0	46.8	94	1	20	49.2 - 145
Carbon disulfide	50.0	49.9	99	3	20	55 - 139
Methyl-tert-Butyl Ether	50.0	48.8	97	2	20	62.7 - 122
trans-1,2-Dichloroethene	50.0	49.0	98	2	20	71.1 - 135
1,1-Dichloroethane	50.0	50.2	100	2	20	70.1 - 129
Vinyl Acetate	50.0	49.7	99	3	20	56.8 - 119
Methyl Ethyl Ketone (2-Butanone)	50.0	51.4	103	8	20	55.9 - 144
cis-1,2-Dichloroethene	50.0	49.0	98	2	20	72.8 - 132
2,2-Dichloropropane	50.0	55.3	111	0.1	20	70.6 - 127
Bromochloromethane	50.0	48.1	96	0.1	20	64.7 - 119

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B348197	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B348197-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	%		QC LIMITS	
				RPD	RPD	RPD	REC.
Chloroform	50.0	50.4	100	1	20	74.4 - 130	
1,1,1-Trichloroethane	50.0	52.7	105	2	20	76.3 - 130	
1,2-Dichloroethane	50.0	49.5	98	2	20	70.5 - 125	
1,1-Dichloropropene	50.0	52.7	105	0.8	20	69.8 - 133	
Carbon Tetrachloride	50.0	52.0	104	0.5	20	69.3 - 132	
Benzene	50.0	49.0	98	1	20	74.5 - 134	
Trichloroethene	50.0	51.4	103	2	20	76.2 - 120	
1,2-Dichloropropane	50.0	49.6	99	2	20	78.5 - 123	
Dibromomethane	50.0	49.3	99	0.5	20	68.6 - 119	
1,4-Dioxane	500	779	156	* 23	* 20	49.7 - 144	
Bromodichloromethane	50.0	48.3	97	0.8	20	69.5 - 127	
2-Chloroethyl Vinyl Ether	50.0	55.0	110	5	20	45.4 - 141	
4-Methyl-2-Pentanone	50.0	58.5	117	3	20	59.6 - 133	
cis-1,3-Dichloropropene	50.0	51.0	102	5	20	71.9 - 115	
Toluene	50.0	51.2	102	2	20	71.5 - 129	
trans-1,3-Dichloropropene	50.0	51.8	103	4	20	75.2 - 117	
1,1,2-Trichloroethane	50.0	51.4	103	0.04	20	70.9 - 120	
Methyl Butyl Ketone (2-Hexanone)	50.0	61.1	122	* 7	20	56.7 - 120	
1,3-Dichloropropane	50.0	49.9	100	4	20	79.5 - 123	
Dibromochloromethane	50.0	51.2	102	2	20	71.5 - 118	
Tetrachloroethene	50.0	53.4	106	3	20	68 - 128	
1,2-Dibromoethane	50.0	49.8	100	2	20	76.1 - 115	
Chlorobenzene	50.0	50.5	101	2	20	72 - 120	
1,1,1,2-Tetrachloroethane	50.0	50.2	100	2	20	72.2 - 117	

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B348197	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B348197-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Ethylbenzene	50.0	52.0	104	2	20	73.4 - 128
m,p-Xylenes	100	107	107	2	20	73.6 - 128
Styrene	50.0	49.9	99	0.7	20	67.7 - 116
o-Xylene	50.0	51.8	104	2	20	69.7 - 121
Bromoform	50.0	53.5	107	2	20	67.1 - 120
1,1,2,2-Tetrachloroethane	50.0	55.6	111	2	20	70.8 - 123
Isopropylbenzene (Cumene)	50.0	53.6	107	2	20	74.6 - 127
1,2,3-Trichloropropane	50.0	56.3	113	4	20	70.5 - 113
Bromobenzene	50.0	50.3	100	2	20	73.3 - 122
n-Propylbenzene	50.0	53.7	107	2	20	70.4 - 127
2-Chlorotoluene	50.0	52.7	105	2	20	74.9 - 124
4-Ethyltoluene	50.0	52.9	105	2	20	71.3 - 121
4-Chlorotoluene	50.0	54.5	109	6	20	74.7 - 124
1,3,5-Trimethylbenzene	50.0	52.1	104	0.4	20	74.2 - 121
tert-Butylbenzene	50.0	55.6	110	2	20	67.7 - 125
1,2,4-Trimethylbenzene	50.0	52.7	105	2	20	74.3 - 121
sec-Butylbenzene	50.0	55.0	110	1	20	61.1 - 128
1,3-Dichlorobenzene	50.0	51.5	102	4	20	72.1 - 120
4-Isopropyltoluene	50.0	53.9	107	2	20	75 - 128
1,4-Dichlorobenzene	50.0	51.2	102	3	20	76.6 - 119
1,2-Dichlorobenzene	50.0	51.8	103	6	20	75.5 - 120
1,4-Diethylbenzene	50.0	54.6	108	2	20	72.2 - 121
n-Butylbenzene	50.0	55.5	110	5	20	75.3 - 130
1,2-Dibromo-3-chloropropane	50.0	62.5	125	6	20	63 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B348197	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B348197-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
1,2,4,5-Tetramethylbenzene	50.0	53.7	107	5	20	78.2 - 122
1,2,4-Trichlorobenzene	50.0	57.2	114	6	20	73.1 - 127
Naphthalene	50.0	67.8	136 *	7	20	69.3 - 107
Hexachlorobutadiene	50.0	57.6	115	5	20	74.9 - 140
1,2,3-Trichlorobenzene	50.0	58.8	118	4	20	74.2 - 124

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MSD Well 3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B349008	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B349008-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
Dichlorodifluoromethane	50.0	ND	55.4	111	58.9 - 135
Chlorodifluoromethane	50.0	ND	57.0	114	60.1 - 147
Chloromethane	50.0	ND	51.5	103	63.2 - 148
Vinyl chloride	50.0	ND	56.4	113	47.6 - 150
Bromomethane	50.0	ND	52.5	105	49.6 - 155
Chloroethane	50.0	ND	50.8	102	45.9 - 155
Trichlorofluoromethane	50.0	ND	56.6	113	70.7 - 145
Acrolein	50.0	0.470	39.1	77	52.7 - 134
Acetone	50.0	ND	55.2	110	40.6 - 142
1,1-Dichloroethene	50.0	ND	54.4	109	69 - 146
tert-Butyl alcohol	50.0	ND	51.8	104	54.5 - 147
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	ND	58.2	116	72.2 - 149
Methyl Acetate	50.0	ND	59.2	118	58.3 - 143
Acrylonitrile	50.0	ND	56.0	112	62.8 - 156
Methylene Chloride	50.0	ND	49.9	100	49.2 - 145
Carbon disulfide	50.0	0.400	44.9	89	55 - 139
Methyl-tert-Butyl Ether	50.0	ND	52.1	104	62.7 - 122
trans-1,2-Dichloroethene	50.0	ND	51.6	103	71.1 - 135
1,1-Dichloroethane	50.0	ND	53.8	108	70.1 - 129
Vinyl Acetate	50.0	ND	47.1	94	56.8 - 119
Methyl Ethyl Ketone (2-Butanone)	50.0	ND	55.0	110	55.9 - 144
cis-1,2-Dichloroethene	50.0	ND	51.6	103	72.8 - 132
2,2-Dichloropropane	50.0	ND	58.0	116	70.6 - 127

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MSD Well 3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B349008	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B349008-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
Bromochloromethane	50.0	ND	51.2	102	64.7 - 119
Chloroform	50.0	ND	54.9	110	74.4 - 130
1,1,1-Trichloroethane	50.0	ND	56.8	114	76.3 - 130
1,2-Dichloroethane	50.0	0.260	53.0	105	70.5 - 125
1,1-Dichloropropene	50.0	ND	53.9	108	69.8 - 133
Carbon Tetrachloride	50.0	ND	54.5	109	69.3 - 132
Benzene	50.0	ND	52.0	104	74.5 - 134
Trichloroethene	50.0	ND	52.2	104	76.2 - 120
1,2-Dichloropropane	50.0	ND	52.0	104	78.5 - 123
Dibromomethane	50.0	ND	51.6	103	68.6 - 119
1,4-Dioxane	500	ND	636	127	49.7 - 144
Bromodichloromethane	50.0	ND	51.8	104	69.5 - 127
2-Chloroethyl Vinyl Ether	50.0	ND	49.5	99	45.4 - 141
4-Methyl-2-Pentanone	50.0	ND	59.2	118	59.6 - 133
cis-1,3-Dichloropropene	50.0	ND	52.1	104	71.9 - 115
Toluene	50.0	0.160	52.4	104	71.5 - 129
trans-1,3-Dichloropropene	50.0	ND	53.0	106	75.2 - 117
1,1,2-Trichloroethane	50.0	ND	54.8	110	70.9 - 120
Methyl Butyl Ketone (2-Hexanone)	50.0	ND	59.3	119	56.7 - 120
1,3-Dichloropropane	50.0	ND	52.0	104	79.5 - 123
Dibromochloromethane	50.0	ND	54.7	109	71.5 - 118
Tetrachloroethene	50.0	ND	54.4	109	68 - 128
1,2-Dibromoethane	50.0	ND	51.1	102	76.1 - 115
Chlorobenzene	50.0	0.110	51.5	103	72 - 120

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MSD Well 3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B349008	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B349008-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	ND	52.7	105	72.2 - 117
Ethylbenzene	50.0	ND	52.8	106	73.4 - 128
m,p-Xylenes	100	0.900	109	108	73.6 - 128
Styrene	50.0	ND	52.0	104	67.7 - 116
o-Xylene	50.0	ND	53.3	107	69.7 - 121
Bromoform	50.0	ND	55.3	111	67.1 - 120
1,1,2,2-Tetrachloroethane	50.0	ND	57.3	115	70.8 - 123
Isopropylbenzene (Cumene)	50.0	ND	55.3	111	74.6 - 127
1,2,3-Trichloropropane	50.0	ND	57.2	114	* 70.5 - 113
Bromobenzene	50.0	0.150	52.0	104	73.3 - 122
n-Propylbenzene	50.0	ND	55.2	110	70.4 - 127
2-Chlorotoluene	50.0	ND	54.4	109	74.9 - 124
4-Ethyltoluene	50.0	ND	54.9	110	71.3 - 121
4-Chlorotoluene	50.0	ND	54.4	109	74.7 - 124
1,3,5-Trimethylbenzene	50.0	ND	55.2	110	74.2 - 121
tert-Butylbenzene	50.0	0.350	57.6	114	67.7 - 125
1,2,4-Trimethylbenzene	50.0	0.200	55.1	110	74.3 - 121
sec-Butylbenzene	50.0	ND	58.0	116	61.1 - 128
1,3-Dichlorobenzene	50.0	0.250	52.8	105	72.1 - 120
4-Isopropyltoluene	50.0	0.250	55.4	110	75 - 128
1,4-Dichlorobenzene	50.0	0.310	53.2	106	76.6 - 119
1,2-Dichlorobenzene	50.0	0.190	53.1	106	75.5 - 120
1,4-Diethylbenzene	50.0	0.330	56.3	112	72.2 - 121
n-Butylbenzene	50.0	0.320	56.2	112	75.3 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MSD Well 3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B349008	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B349008-MS1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
1,2-Dibromo-3-chloropropane	50.0	ND	60.4	121	63 - 130
1,2,4,5-Tetramethylbenzene	50.0	ND	53.5	107	78.2 - 122
1,2,4-Trichlorobenzene	50.0	0.360	56.4	112	73.1 - 127
Naphthalene	50.0	ND	62.4	125	* 69.3 - 107
Hexachlorobutadiene	50.0	0.590	59.3	117	74.9 - 140
1,2,3-Trichlorobenzene	50.0	0.410	58.3	116	74.2 - 124

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MSD Well 3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B349008	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B349008-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	50.0	49.9	100	10	20	58.9 - 135
Chlorodifluoromethane	50.0	50.8	102	11	20	60.1 - 147
Chloromethane	50.0	47.5	95	8	20	63.2 - 148
Vinyl chloride	50.0	44.8	90	23	20	47.6 - 150
Bromomethane	50.0	48.9	98	7	20	49.6 - 155
Chloroethane	50.0	45.9	92	10	20	45.9 - 155
Trichlorofluoromethane	50.0	49.8	100	13	20	70.7 - 145
Acrolein	50.0	51.0	101	27	20	52.7 - 134
Acetone	50.0	53.9	108	2	20	40.6 - 142
1,1-Dichloroethene	50.0	49.5	99	9	20	69 - 146
tert-Butyl alcohol	50.0	47.0	94	10	20	54.5 - 147
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.3	105	11	20	72.2 - 149
Methyl Acetate	50.0	54.3	109	9	20	58.3 - 143
Acrylonitrile	50.0	49.8	100	12	20	62.8 - 156
Methylene Chloride	50.0	44.0	88	13	20	49.2 - 145
Carbon disulfide	50.0	41.0	81	9	20	55 - 139
Methyl-tert-Butyl Ether	50.0	46.8	94	11	20	62.7 - 122
trans-1,2-Dichloroethene	50.0	46.5	93	11	20	71.1 - 135
1,1-Dichloroethane	50.0	48.6	97	10	20	70.1 - 129
Vinyl Acetate	50.0	45.3	91	4	20	56.8 - 119
Methyl Ethyl Ketone (2-Butanone)	50.0	51.6	103	7	20	55.9 - 144
cis-1,2-Dichloroethene	50.0	46.5	93	11	20	72.8 - 132
2,2-Dichloropropane	50.0	52.2	104	10	20	70.6 - 127
Bromochloromethane	50.0	45.9	92	11	20	64.7 - 119

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MSD Well 3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B349008	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B349008-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Chloroform	50.0	48.3	97	13	20	74.4 - 130
1,1,1-Trichloroethane	50.0	51.1	102	11	20	76.3 - 130
1,2-Dichloroethane	50.0	47.7	95	10	20	70.5 - 125
1,1-Dichloropropene	50.0	48.9	98	10	20	69.8 - 133
Carbon Tetrachloride	50.0	49.8	100	9	20	69.3 - 132
Benzene	50.0	46.2	92	12	20	74.5 - 134
Trichloroethene	50.0	46.7	93	11	20	76.2 - 120
1,2-Dichloropropane	50.0	47.0	94	10	20	78.5 - 123
Dibromomethane	50.0	46.6	93	10	20	68.6 - 119
1,4-Dioxane	500	605	121	5	20	49.7 - 144
Bromodichloromethane	50.0	46.5	93	11	20	69.5 - 127
2-Chloroethyl Vinyl Ether	50.0	48.7	97	2	20	45.4 - 141
4-Methyl-2-Pentanone	50.0	54.4	109	8	20	59.6 - 133
cis-1,3-Dichloropropene	50.0	46.4	93	12	20	71.9 - 115
Toluene	50.0	47.2	94	10	20	71.5 - 129
trans-1,3-Dichloropropene	50.0	46.6	93	13	20	75.2 - 117
1,1,2-Trichloroethane	50.0	49.2	98	11	20	70.9 - 120
Methyl Butyl Ketone (2-Hexanone)	50.0	56.0	112	6	20	56.7 - 120
1,3-Dichloropropane	50.0	46.9	94	10	20	79.5 - 123
Dibromochloromethane	50.0	48.9	98	11	20	71.5 - 118
Tetrachloroethene	50.0	48.6	97	11	20	68 - 128
1,2-Dibromoethane	50.0	47.0	94	8	20	76.1 - 115
Chlorobenzene	50.0	45.8	91	12	20	72 - 120
1,1,1,2-Tetrachloroethane	50.0	47.0	94	11	20	72.2 - 117

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MSD Well 3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B349008	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B349008-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Ethylbenzene	50.0	47.2	94	11	20	73.4 - 128
m,p-Xylenes	100	97.1	96	11	20	73.6 - 128
Styrene	50.0	46.1	92	12	20	67.7 - 116
o-Xylene	50.0	47.7	95	11	20	69.7 - 121
Bromoform	50.0	49.0	98	12	20	67.1 - 120
1,1,2,2-Tetrachloroethane	50.0	51.5	103	11	20	70.8 - 123
Isopropylbenzene (Cumene)	50.0	49.0	98	12	20	74.6 - 127
1,2,3-Trichloropropane	50.0	52.2	104	9	20	70.5 - 113
Bromobenzene	50.0	46.6	93	11	20	73.3 - 122
n-Propylbenzene	50.0	48.8	98	12	20	70.4 - 127
2-Chlorotoluene	50.0	48.6	97	11	20	74.9 - 124
4-Ethyltoluene	50.0	48.5	97	12	20	71.3 - 121
4-Chlorotoluene	50.0	46.6	93	15	20	74.7 - 124
1,3,5-Trimethylbenzene	50.0	48.4	97	13	20	74.2 - 121
tert-Butylbenzene	50.0	51.3	102	11	20	67.7 - 125
1,2,4-Trimethylbenzene	50.0	48.6	97	13	20	74.3 - 121
sec-Butylbenzene	50.0	50.4	101	14	20	61.1 - 128
1,3-Dichlorobenzene	50.0	47.4	94	11	20	72.1 - 120
4-Isopropyltoluene	50.0	49.4	98	12	20	75 - 128
1,4-Dichlorobenzene	50.0	48.0	95	10	20	76.6 - 119
1,2-Dichlorobenzene	50.0	47.6	95	11	20	75.5 - 120
1,4-Diethylbenzene	50.0	50.0	99	12	20	72.2 - 121
n-Butylbenzene	50.0	49.8	99	12	20	75.3 - 130
1,2-Dibromo-3-chloropropane	50.0	57.2	114	6	20	63 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MSD Well 3A

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Analysis:	EPA 8260 D
Batch:	B349008	Preparation:	EPA 5030 C
% Solids:		Laboratory ID:	B349008-MSD1
Column:		Sample Lab ID:	3120104-01

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
1,2,4,5-Tetramethylbenzene	50.0	47.8	96	11	20	78.2 - 122
1,2,4-Trichlorobenzene	50.0	51.1	102	10	20	73.1 - 127
Naphthalene	50.0	61.4	123 *	2	20	69.3 - 107
Hexachlorobutadiene	50.0	51.0	101	15	20	74.9 - 140
1,2,3-Trichlorobenzene	50.0	53.8	107	8	20	74.2 - 124

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 5030 C
Batch:	B348197	Laboratory ID:	B348197-BS1
Column:		Initial/Final:	5 mL / 5 ml

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Dichlorodifluoromethane	50.0	45.3	91	59.6 - 131
Chlorodifluoromethane	50.0	45.5	91	58.1 - 136
Chloromethane	50.0	47.7	95	62.4 - 152
Vinyl chloride	50.0	45.1	90	45.2 - 143
Bromomethane	50.0	50.6	101	51 - 141
Chloroethane	50.0	45.7	91	48 - 151
Trichlorofluoromethane	50.0	43.8	88	66.1 - 132
Acrolein	50.0	52.2	104	46.3 - 131
Acetone	50.0	53.8	108	47.7 - 143
1,1-Dichloroethene	50.0	45.6	91	62.5 - 144
tert-Butyl alcohol	50.0	47.3	95	56.6 - 151
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.4	91	62.4 - 140
Methyl Acetate	50.0	54.4	109	60.1 - 144
Acrylonitrile	50.0	53.2	106	50.2 - 156
Methylene Chloride	50.0	44.8	90	52.4 - 148
Carbon disulfide	50.0	44.3	89	55.7 - 127
Methyl-tert-Butyl Ether	50.0	49.5	99	60.6 - 136
trans-1,2-Dichloroethene	50.0	45.7	91	74.1 - 129
1,1-Dichloroethane	50.0	46.5	93	74.7 - 132
Vinyl Acetate	50.0	47.2	94	54.8 - 132
Methyl Ethyl Ketone (2-Butanone)	50.0	55.8	112	61.8 - 140
cis-1,2-Dichloroethene	50.0	45.7	91	78.5 - 125
2,2-Dichloropropane	50.0	50.5	101	75.3 - 126
Bromochloromethane	50.0	46.7	93	68 - 117
Chloroform	50.0	47.3	95	77.2 - 125
1,1,1-Trichloroethane	50.0	46.1	92	78.6 - 127
1,2-Dichloroethane	50.0	47.5	95	75.7 - 117
1,1-Dichloropropene	50.0	46.1	92	57.9 - 124
Carbon Tetrachloride	50.0	44.8	90	78.1 - 121

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 5030 C
Batch:	B348197	Laboratory ID:	B348197-BS1
Column:		Initial/Final:	5 mL / 5 ml

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Benzene	50.0	45.2	90	77 - 122
Trichloroethene	50.0	46.6	93	82.7 - 112
1,2-Dichloropropane	50.0	46.8	94	84.3 - 111
Dibromomethane	50.0	48.7	97	74 - 111
1,4-Dioxane	500	800	160 *	50.6 - 154
Bromodichloromethane	50.0	46.7	93	76 - 116
2-Chloroethyl Vinyl Ether	50.0	54.0	108	50.4 - 125
4-Methyl-2-Pentanone	50.0	57.6	115	58.2 - 117
cis-1,3-Dichloropropene	50.0	49.2	98	72.9 - 104
Toluene	50.0	46.7	93	81.8 - 114
trans-1,3-Dichloropropene	50.0	50.8	102	76.8 - 109
1,1,2-Trichloroethane	50.0	50.1	100	78.1 - 116
Methyl Butyl Ketone (2-Hexanone)	50.0	59.5	119	48.5 - 122
1,3-Dichloropropane	50.0	48.4	97	80.6 - 116
Dibromochloromethane	50.0	50.2	100	75.4 - 109
Tetrachloroethene	50.0	46.4	93	79.2 - 117
1,2-Dibromoethane	50.0	48.8	98	80.5 - 105
Chlorobenzene	50.0	47.1	94	76.6 - 115
1,1,1,2-Tetrachloroethane	50.0	47.3	95	75 - 114
Ethylbenzene	50.0	46.6	93	70.2 - 118
m,p-Xylenes	100	97.0	97	70.7 - 127
Styrene	50.0	46.9	94	57.3 - 125
o-Xylene	50.0	47.7	95	67.6 - 117
Bromoform	50.0	52.3	105	75.2 - 107
1,1,2,2-Tetrachloroethane	50.0	54.0	108	76.4 - 118
Isopropylbenzene (Cumene)	50.0	47.7	95	56.5 - 122
1,2,3-Trichloropropane	50.0	55.6	111	70.2 - 113
Bromobenzene	50.0	47.5	95	72.5 - 125
n-Propylbenzene	50.0	47.4	95	74.4 - 114

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 5030 C
Batch:	B348197	Laboratory ID:	B348197-BS1
Column:		Initial/Final:	5 mL / 5 ml

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Chlorotoluene	50.0	48.1	96	79.7 - 116
4-Ethyltoluene	50.0	47.8	96	67.2 - 118
4-Chlorotoluene	50.0	47.8	96	76.2 - 121
1,3,5-Trimethylbenzene	50.0	47.9	96	70.3 - 115
tert-Butylbenzene	50.0	49.6	99	54.8 - 124
1,2,4-Trimethylbenzene	50.0	48.0	96	67.9 - 116
sec-Butylbenzene	50.0	48.5	97	60.3 - 123
1,3-Dichlorobenzene	50.0	47.2	94	69 - 128
4-Isopropyltoluene	50.0	47.9	96	69 - 119
1,4-Dichlorobenzene	50.0	47.6	95	74.3 - 128
1,2-Dichlorobenzene	50.0	48.2	96	76.3 - 119
1,4-Diethylbenzene	50.0	48.8	98	68.1 - 120
n-Butylbenzene	50.0	48.7	97	73.1 - 123
1,2-Dibromo-3-chloropropane	50.0	61.3	123	61.8 - 127
1,2,4,5-Tetramethylbenzene	50.0	50.2	100	68.6 - 119
1,2,4-Trichlorobenzene	50.0	52.0	104	59.8 - 136
Naphthalene	50.0	59.7	119	45 - 133
Hexachlorobutadiene	50.0	52.2	104	76.9 - 133
1,2,3-Trichlorobenzene	50.0	54.7	109	55.7 - 144

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 5030 C
Batch:	B349008	Laboratory ID:	B349008-BS1
Column:		Initial/Final:	5 mL / 5 ml

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Dichlorodifluoromethane	50.0	39.1	78	59.6 - 131
Chlorodifluoromethane	50.0	43.3	87	58.1 - 136
Chloromethane	50.0	43.6	87	62.4 - 152
Vinyl chloride	50.0	39.2	78	45.2 - 143
Bromomethane	50.0	51.4	103	51 - 141
Chloroethane	50.0	41.0	82	48 - 151
Trichlorofluoromethane	50.0	41.1	82	66.1 - 132
Acrolein	50.0	12.7	25 *	46.3 - 131
Acetone	50.0	61.4	123	47.7 - 143
1,1-Dichloroethene	50.0	42.7	85	62.5 - 144
tert-Butyl alcohol	50.0	46.7	93	56.6 - 151
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.0	86	62.4 - 140
Methyl Acetate	50.0	58.4	117	60.1 - 144
Acrylonitrile	50.0	49.8	100	50.2 - 156
Methylene Chloride	50.0	43.5	87	52.4 - 148
Carbon disulfide	50.0	35.5	71	55.7 - 127
Methyl-tert-Butyl Ether	50.0	47.1	94	60.6 - 136
trans-1,2-Dichloroethene	50.0	43.8	88	74.1 - 129
1,1-Dichloroethane	50.0	45.4	91	74.7 - 132
Vinyl Acetate	50.0	39.1	78	54.8 - 132
Methyl Ethyl Ketone (2-Butanone)	50.0	56.3	113	61.8 - 140
cis-1,2-Dichloroethene	50.0	43.8	88	78.5 - 125
2,2-Dichloropropane	50.0	48.1	96	75.3 - 126
Bromochloromethane	50.0	45.5	91	68 - 117
Chloroform	50.0	46.9	94	77.2 - 125
1,1,1-Trichloroethane	50.0	44.4	89	78.6 - 127
1,2-Dichloroethane	50.0	47.1	94	75.7 - 117
1,1-Dichloropropene	50.0	42.5	85	57.9 - 124
Carbon Tetrachloride	50.0	41.8	84	78.1 - 121

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 5030 C
Batch:	B349008	Laboratory ID:	B349008-BS1
Column:		Initial/Final:	5 mL / 5 ml

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Benzene	50.0	43.2	86	77 - 122
Trichloroethene	50.0	43.7	87	82.7 - 112
1,2-Dichloropropane	50.0	46.2	92	84.3 - 111
Dibromomethane	50.0	46.9	94	74 - 111
1,4-Dioxane	500	790	158	* 50.6 - 154
Bromodichloromethane	50.0	45.6	91	76 - 116
2-Chloroethyl Vinyl Ether	50.0	53.7	107	50.4 - 125
4-Methyl-2-Pentanone	50.0	55.8	112	58.2 - 117
cis-1,3-Dichloropropene	50.0	47.4	95	72.9 - 104
Toluene	50.0	44.6	89	81.8 - 114
trans-1,3-Dichloropropene	50.0	48.7	97	76.8 - 109
1,1,2-Trichloroethane	50.0	49.3	99	78.1 - 116
Methyl Butyl Ketone (2-Hexanone)	50.0	59.0	118	48.5 - 122
1,3-Dichloropropane	50.0	47.6	95	80.6 - 116
Dibromochloromethane	50.0	49.6	99	75.4 - 109
Tetrachloroethene	50.0	43.2	86	79.2 - 117
1,2-Dibromoethane	50.0	47.6	95	80.5 - 105
Chlorobenzene	50.0	45.1	90	76.6 - 115
1,1,1,2-Tetrachloroethane	50.0	45.6	91	75 - 114
Ethylbenzene	50.0	43.9	88	70.2 - 118
m,p-Xylenes	100	90.6	91	70.7 - 127
Styrene	50.0	44.7	89	57.3 - 125
o-Xylene	50.0	45.4	91	67.6 - 117
Bromoform	50.0	51.8	104	75.2 - 107
1,1,2,2-Tetrachloroethane	50.0	53.7	107	76.4 - 118
Isopropylbenzene (Cumene)	50.0	45.2	90	56.5 - 122
1,2,3-Trichloropropane	50.0	53.6	107	70.2 - 113
Bromobenzene	50.0	45.6	91	72.5 - 125
n-Propylbenzene	50.0	45.1	90	74.4 - 114

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Preparation:	EPA 5030 C
Batch:	B349008	Laboratory ID:	B349008-BS1
Column:		Initial/Final:	5 mL / 5 ml

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Chlorotoluene	50.0	46.2	92	79.7 - 116
4-Ethyltoluene	50.0	45.3	91	67.2 - 118
4-Chlorotoluene	50.0	48.4	97	76.2 - 121
1,3,5-Trimethylbenzene	50.0	45.6	91	70.3 - 115
tert-Butylbenzene	50.0	46.8	94	54.8 - 124
1,2,4-Trimethylbenzene	50.0	46.6	93	67.9 - 116
sec-Butylbenzene	50.0	46.4	93	60.3 - 123
1,3-Dichlorobenzene	50.0	45.3	91	69 - 128
4-Isopropyltoluene	50.0	45.4	91	69 - 119
1,4-Dichlorobenzene	50.0	45.7	91	74.3 - 128
1,2-Dichlorobenzene	50.0	46.6	93	76.3 - 119
1,4-Diethylbenzene	50.0	46.5	93	68.1 - 120
n-Butylbenzene	50.0	46.4	93	73.1 - 123
1,2-Dibromo-3-chloropropane	50.0	58.6	117	61.8 - 127
1,2,4,5-Tetramethylbenzene	50.0	46.5	93	68.6 - 119
1,2,4-Trichlorobenzene	50.0	49.6	99	59.8 - 136
Naphthalene	50.0	56.0	112	45 - 133
Hexachlorobutadiene	50.0	48.8	98	76.9 - 133
1,2,3-Trichlorobenzene	50.0	51.8	104	55.7 - 144



4 - FORM IV METHOD BLANK SUMMARY

EPA 8260 D

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Blank ID: B348197-BLK1 Batch: B348197

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
MW-3A	3120104-01	3120104-01.D	20:07
MW-3AMSD	B348197-MSD1	B348197-MSD1.D	12:45
MW-3AMS	B348197-MS1	B348197-MS1.D	12:20
LCS	B348197-BS1	B348197-BS1.D	11:55

4 - FORM IV METHOD BLANK SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Blank ID:	B349008-BLK1	Batch:	B349008

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
MSD Well 3AMSD	B349008-MSD1	B349008-MSD1.D	12:25
MSD Well 3AMS	B349008-MS1	B349008-MS1.D	12:00
LCS	B349008-BS1	B349008-BS1.D	11:36
Trip Blank	3120104-10	3120104-10.D	18:09
EQ Blank	3120104-09	3120104-09.D	17:45
DUP	3120104-08	3120104-08.D	17:20
MW-7C	3120104-07	3120104-07.D	16:56
MW-7B	3120104-06	3120104-06.D	16:31
MW-7A	3120104-05	3120104-05.D	16:06
MW-6AR	3120104-04	3120104-04.D	15:42



5 - FORM V INSTRUMENT PERFORMANCE CHECK

EPA 8260 D

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Lab File ID: SEQ-TUN1.D Injection Date: 12/01/23
Instrument ID: ChemStation05 Injection Time: 10:41
Sequence: S348056 Lab Sample ID: S348056-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	23.3	PASS
75	30 - 70% of 95	50	PASS
95	Base peak, 100% relative abundance	100	
96	5 - 9% of 95	6.72	PASS
173		0	
174	50 - 100% of 95	75.5	PASS
175	5 - 9% of 174	8.94	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.65	PASS

5 - FORM V INSTRUMENT PERFORMANCE CHECK

EPA 8260 D

Laboratory: Long Island Analytical Laboratories, Inc.	Work Order: 3120104
Client: Ranco Sand & Stone Corporation	Project: Manorville NY
Lab File ID: SEQ-TUN2.D	Injection Date: 12/01/23
Instrument ID: ChemStation05	Injection Time: 13:09
Sequence: S348056	Lab Sample ID: S348056-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	21.2	PASS
75	30 - 70% of 95	47.3	PASS
95	Base peak, 100% relative abundance	100	
96	5 - 9% of 95	6.54	PASS
173		0	
174	50 - 100% of 95	88.3	PASS
175	5 - 9% of 174	5.04	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.62	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Instrument Blank	S348056-IBL1	SEQ-IBL1.D	12/01/2023	11:06:00
[STD]	S348056-CCV1	SEQ-CCV1.D	12/01/2023	11:31:00
LCS	B348197-BS1	B348197-BS1.D	12/01/2023	11:55:00
MW 7AMS	B348197-MS1	B348197-MS1.D	12/01/2023	12:20:00
MW 7AMSD	B348197-MSD1	B348197-MSD1.D	12/01/2023	12:45:00
VBLK01	B348197-BLK1	B348197-BLK1.D	12/01/2023	13:34:00
MW-3A	3120104-01	3120104-01.D	12/01/2023	20:07:00

5 - FORM V INSTRUMENT PERFORMANCE CHECK

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Lab File ID:	SEQ-TUN1.D	Injection Date:	12/04/23
Instrument ID:	ChemStation05	Injection Time:	10:22
Sequence:	S349003	Lab Sample ID:	S349003-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	25.4	PASS
75	30 - 70% of 95	51.4	PASS
95	Base peak, 100% relative abundance	100	
96	5 - 9% of 95	7.26	PASS
173		0	
174	50 - 100% of 95	71.4	PASS
175	5 - 9% of 174	5.97	PASS
176	95 - 101% of 174	95	PASS
177	5 - 9% of 176	7.36	PASS

5 - FORM V INSTRUMENT PERFORMANCE CHECK

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Lab File ID:	SEQ-TUN2.D	Injection Date:	12/04/23
Instrument ID:	ChemStation05	Injection Time:	13:39
Sequence:	S349003	Lab Sample ID:	S349003-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	22	PASS
75	30 - 70% of 95	49.1	PASS
95	Base peak, 100% relative abundance	100	
96	5 - 9% of 95	6.68	PASS
173		0	
174	50 - 100% of 95	86.9	PASS
175	5 - 9% of 174	7.96	PASS
176	95 - 101% of 174	96	PASS
177	5 - 9% of 176	6.9	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Instrument Blank	S349003-IBL1	SEQ-IBL1.D	12/04/2023	10:47:00
[STD]	S349003-CCV1	SEQ-CCV1.D	12/04/2023	11:11:00
LCS	B349008-BS1	B349008-BS1.D	12/04/2023	11:36:00
MSD Well 3AMS	B349008-MS1	B349008-MS1.D	12/04/2023	12:00:00
MSD Well 3AMSD	B349008-MSD1	B349008-MSD1.D	12/04/2023	12:25:00
VBLK01	B349008-BLK1	B349008-BLK2.D	12/04/2023	14:03:00
MW-6AR	3120104-04	3120104-04.D	12/04/2023	15:42:00
MW-7A	3120104-05	3120104-05.D	12/04/2023	16:06:00
MW-7B	3120104-06	3120104-06.D	12/04/2023	16:31:00
MW-7C	3120104-07	3120104-07.D	12/04/2023	16:56:00
DUP	3120104-08	3120104-08.D	12/04/2023	17:20:00
EQ Blank	3120104-09	3120104-09.D	12/04/2023	17:45:00
Trip Blank	3120104-10	3120104-10.D	12/04/2023	18:09:00

5 - FORM V INSTRUMENT PERFORMANCE CHECK

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/30/23
Instrument ID:	ChemStation05	Injection Time:	17:49
Sequence:	S404017	Lab Sample ID:	S404017-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	22.1	PASS
75	30 - 70% of 95	48.2	PASS
95	Base peak, 100% relative abundance	100	
96	5 - 9% of 95	6.58	PASS
173		0	
174	50 - 100% of 95	87.6	PASS
175	5 - 9% of 174	8.17	PASS
176	95 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.66	PASS

5 - FORM V INSTRUMENT PERFORMANCE CHECK

EPA 8260 D

Laboratory: Long Island Analytical Laboratories, Inc.	Work Order: 3120104
Client: Ranco Sand & Stone Corporation	Project: Manorville NY
Lab File ID: SEQ-TUN2.D	Injection Date: 11/30/23
Instrument ID: ChemStation05	Injection Time: 22:18
Sequence: S404017	Lab Sample ID: S404017-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	21.4	PASS
75	30 - 70% of 95	45.6	PASS
95	Base peak, 100% relative abundance	100	
96	5 - 9% of 95	6.47	PASS
173		0	
174	50 - 100% of 95	87.8	PASS
175	5 - 9% of 174	8.26	PASS
176	95 - 101% of 174	96.2	PASS
177	5 - 9% of 176	6.75	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
NPW Cal 2.5 PPB	S404017-CAL1	SEQ-CAL1.D	11/30/2023	18:38:00
NPW Cal 5 PPB	S404017-CAL2	SEQ-CAL2.D	11/30/2023	19:02:00
NPW Cal 10 PPB	S404017-CAL3	SEQ-CAL3.D	11/30/2023	19:27:00
NPW Cal 25 PPB	S404017-CAL4	SEQ-CAL4.D	11/30/2023	19:51:00
NPW Cal 50 PPB	S404017-CAL5	SEQ-CAL5.D	11/30/2023	20:16:00
NPW Cal 75 PPB	S404017-CAL6	SEQ-CAL6.D	11/30/2023	20:40:00
NPW Cal 100 PPB	S404017-CAL7	SEQ-CAL7.D	11/30/2023	21:05:00
NPW Cal 150 PPB	S404017-CAL8	SEQ-CAL8.D	11/30/2023	21:29:00
NPW Cal 200 PPB	S404017-CAL9	SEQ-CAL9.D	11/30/2023	21:54:00
Initial Cal Check	S404017-ICV1	SEQ-ICV1.D	11/30/2023	22:42:00

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S404017	Instrument:	ChemStation05
		Calibration:	UNASSIGNED

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S404017-ICV1)			<i>Lab File ID: SEQ-ICV1.D</i>		<i>Analyzed: 11/30/23 22:42</i>				
Pentafluorobenzene	1791450	5.065	1733853	5.065	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2929185	5.807	2821765	5.807	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2717168	8.697	2597373	8.697	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1470155	11.075	1385148	11.075	106	50 - 200	0.0000	+/-0.50	
Instrument Blank (S348056-IBL1)			<i>Lab File ID: SEQ-IBL1.D</i>		<i>Analyzed: 12/01/23 11:06</i>				
Pentafluorobenzene	1675594	5.065				50 - 200	5.0650	+/-0.50	
1,4-Difluorobenzene	2710495	5.807				50 - 200	5.8070	+/-0.50	
Chlorobenzene-d5	2582872	8.703				50 - 200	8.7030	+/-0.50	
1,4-Dichlorobenzene-d4	1308631	11.081				50 - 200	11.0810	+/-0.50	
Calibration Check (S348056-CCV1)			<i>Lab File ID: SEQ-CCV1.D</i>		<i>Analyzed: 12/01/23 11:31</i>				
Pentafluorobenzene	1714069	5.059				50 - 200	5.0590	+/-0.50	
1,4-Difluorobenzene	2744940	5.807				50 - 200	5.8070	+/-0.50	
Chlorobenzene-d5	2590835	8.703				50 - 200	8.7030	+/-0.50	
1,4-Dichlorobenzene-d4	1421082	11.075				50 - 200	11.0750	+/-0.50	
LCS (B348197-BS1)			<i>Lab File ID: B348197-BS1.D</i>		<i>Analyzed: 12/01/23 11:55</i>				
Pentafluorobenzene	1679219	5.058	1714069	5.059	98	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2717990	5.807	2744940	5.807	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2544976	8.703	2590835	8.703	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1371145	11.075	1421082	11.075	96	50 - 200	0.0000	+/-0.50	
Matrix Spike (B348197-MS1)			<i>Lab File ID: B348197-MS1.D</i>		<i>Analyzed: 12/01/23 12:20</i>				
Pentafluorobenzene	1702894	5.065	1714069	5.059	99	50 - 200	0.0060	+/-0.50	
1,4-Difluorobenzene	2756521	5.807	2744940	5.807	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2548469	8.703	2590835	8.703	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1380382	11.075	1421082	11.075	97	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S348056	Instrument:	ChemStation05
		Calibration:	UNASSIGNED

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (B348197-MSD1)			<i>Lab File ID: B348197-MSD1.D</i>		<i>Analyzed: 12/01/23 12:45</i>				
Pentafluorobenzene	1719914	5.058	1714069	5.059	100	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2765456	5.807	2744940	5.807	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2553129	8.696	2590835	8.703	99	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	1379908	11.075	1421082	11.075	97	50 - 200	0.0000	+/-0.50	
Blank (B348197-BLK1)			<i>Lab File ID: B348197-BLK1.D</i>		<i>Analyzed: 12/01/23 13:34</i>				
Pentafluorobenzene	1683880	5.065	1714069	5.059	98	50 - 200	0.0060	+/-0.50	
1,4-Difluorobenzene	2677845	5.807	2744940	5.807	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2573409	8.703	2590835	8.703	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1309430	11.075	1421082	11.075	92	50 - 200	0.0000	+/-0.50	
Instrument Blank (S349003-IBL1)			<i>Lab File ID: SEQ-IBL1.D</i>		<i>Analyzed: 12/04/23 10:47</i>				
Pentafluorobenzene	1698445	5.065	1733853	5.065	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2759975	5.813	2821765	5.807	98	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	2679103	8.703	2597373	8.697	103	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1410917	11.081	1385148	11.075	102	50 - 200	0.0060	+/-0.50	
Calibration Check (S349003-CCV1)			<i>Lab File ID: SEQ-CCV1.D</i>		<i>Analyzed: 12/04/23 11:11</i>				
Pentafluorobenzene	1651193	5.065	1733853	5.065	95	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2702585	5.807	2821765	5.807	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2535693	8.703	2597373	8.697	98	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1452937	11.075	1385148	11.075	105	50 - 200	0.0000	+/-0.50	
LCS (B349008-BS1)			<i>Lab File ID: B349008-BS1.D</i>		<i>Analyzed: 12/04/23 11:36</i>				
Pentafluorobenzene	1671589	5.059	1651193	5.065	101	50 - 200	-0.0060	+/-0.50	
1,4-Difluorobenzene	2728358	5.807	2702585	5.807	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2577444	8.697	2535693	8.703	102	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1414017	11.075	1452937	11.075	97	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S349003	Instrument:	ChemStation05
		Calibration:	L404002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B349008-MS1)			<i>Lab File ID: B349008-MS1.D</i>			<i>Analyzed: 12/04/23 12:00</i>			
Pentafluorobenzene	1628190	5.065	1651193	5.065	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2683114	5.807	2702585	5.807	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2523313	8.703	2535693	8.703	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1387630	11.075	1452937	11.075	96	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B349008-MSD1)			<i>Lab File ID: B349008-MSD1.D</i>			<i>Analyzed: 12/04/23 12:25</i>			
Pentafluorobenzene	1686932	5.064	1651193	5.065	102	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2796733	5.813	2702585	5.807	103	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	2640169	8.702	2535693	8.703	104	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	1420972	11.075	1452937	11.075	98	50 - 200	0.0000	+/-0.50	
Blank (B349008-BLK1)			<i>Lab File ID: B349008-BLK2.D</i>			<i>Analyzed: 12/04/23 14:03</i>			
Pentafluorobenzene	1557445	5.065	1651193	5.065	94	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2626714	5.807	2702585	5.807	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2517383	8.703	2535693	8.703	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1300659	11.081	1452937	11.075	90	50 - 200	0.0060	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S404017	Instrument:	ChemStation05
		Calibration:	UNASSIGNED

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S404017-ICV1)			<i>Lab File ID: SEQ-ICV1.D</i>			<i>Analyzed: 11/30/23 22:42</i>			
Pentafluorobenzene	1791450	5.065	1733853	5.065	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2929185	5.807	2821765	5.807	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2717168	8.697	2597373	8.697	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1470155	11.075	1385148	11.075	106	50 - 200	0.0000	+/-0.50	
Instrument Blank (S348056-IBL1)			<i>Lab File ID: SEQ-IBL1.D</i>			<i>Analyzed: 12/01/23 11:06</i>			
Pentafluorobenzene	1675594	5.065				50 - 200	5.0650	+/-0.50	
1,4-Difluorobenzene	2710495	5.807				50 - 200	5.8070	+/-0.50	
Chlorobenzene-d5	2582872	8.703				50 - 200	8.7030	+/-0.50	
1,4-Dichlorobenzene-d4	1308631	11.081				50 - 200	11.0810	+/-0.50	
Calibration Check (S348056-CCV1)			<i>Lab File ID: SEQ-CCV1.D</i>			<i>Analyzed: 12/01/23 11:31</i>			
Pentafluorobenzene	1714069	5.059				50 - 200	5.0590	+/-0.50	
1,4-Difluorobenzene	2744940	5.807				50 - 200	5.8070	+/-0.50	
Chlorobenzene-d5	2590835	8.703				50 - 200	8.7030	+/-0.50	
1,4-Dichlorobenzene-d4	1421082	11.075				50 - 200	11.0750	+/-0.50	
LCS (B348197-BS1)			<i>Lab File ID: B348197-BS1.D</i>			<i>Analyzed: 12/01/23 11:55</i>			
Pentafluorobenzene	1679219	5.058	1714069	5.059	98	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2717990	5.807	2744940	5.807	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2544976	8.703	2590835	8.703	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1371145	11.075	1421082	11.075	96	50 - 200	0.0000	+/-0.50	
Matrix Spike (B348197-MS1)			<i>Lab File ID: B348197-MS1.D</i>			<i>Analyzed: 12/01/23 12:20</i>			
Pentafluorobenzene	1702894	5.065	1714069	5.059	99	50 - 200	0.0060	+/-0.50	
1,4-Difluorobenzene	2756521	5.807	2744940	5.807	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2548469	8.703	2590835	8.703	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1380382	11.075	1421082	11.075	97	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S348056	Instrument:	ChemStation05
		Calibration:	UNASSIGNED

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (B348197-MSD1)			<i>Lab File ID: B348197-MSD1.D</i>		<i>Analyzed: 12/01/23 12:45</i>				
Pentafluorobenzene	1719914	5.058	1714069	5.059	100	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2765456	5.807	2744940	5.807	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2553129	8.696	2590835	8.703	99	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	1379908	11.075	1421082	11.075	97	50 - 200	0.0000	+/-0.50	
Blank (B348197-BLK1)			<i>Lab File ID: B348197-BLK1.D</i>		<i>Analyzed: 12/01/23 13:34</i>				
Pentafluorobenzene	1683880	5.065	1714069	5.059	98	50 - 200	0.0060	+/-0.50	
1,4-Difluorobenzene	2677845	5.807	2744940	5.807	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2573409	8.703	2590835	8.703	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1309430	11.075	1421082	11.075	92	50 - 200	0.0000	+/-0.50	
Instrument Blank (S349003-IBL1)			<i>Lab File ID: SEQ-IBL1.D</i>		<i>Analyzed: 12/04/23 10:47</i>				
Pentafluorobenzene	1698445	5.065	1733853	5.065	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2759975	5.813	2821765	5.807	98	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	2679103	8.703	2597373	8.697	103	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1410917	11.081	1385148	11.075	102	50 - 200	0.0060	+/-0.50	
Calibration Check (S349003-CCV1)			<i>Lab File ID: SEQ-CCV1.D</i>		<i>Analyzed: 12/04/23 11:11</i>				
Pentafluorobenzene	1651193	5.065	1733853	5.065	95	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2702585	5.807	2821765	5.807	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2535693	8.703	2597373	8.697	98	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1452937	11.075	1385148	11.075	105	50 - 200	0.0000	+/-0.50	
LCS (B349008-BS1)			<i>Lab File ID: B349008-BS1.D</i>		<i>Analyzed: 12/04/23 11:36</i>				
Pentafluorobenzene	1671589	5.059	1651193	5.065	101	50 - 200	-0.0060	+/-0.50	
1,4-Difluorobenzene	2728358	5.807	2702585	5.807	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2577444	8.697	2535693	8.703	102	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1414017	11.075	1452937	11.075	97	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S349003	Instrument:	ChemStation05
		Calibration:	L404002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B349008-MS1)			<i>Lab File ID: B349008-MS1.D</i>			<i>Analyzed: 12/04/23 12:00</i>			
Pentafluorobenzene	1628190	5.065	1651193	5.065	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2683114	5.807	2702585	5.807	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2523313	8.703	2535693	8.703	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1387630	11.075	1452937	11.075	96	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B349008-MSD1)			<i>Lab File ID: B349008-MSD1.D</i>			<i>Analyzed: 12/04/23 12:25</i>			
Pentafluorobenzene	1686932	5.064	1651193	5.065	102	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2796733	5.813	2702585	5.807	103	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	2640169	8.702	2535693	8.703	104	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	1420972	11.075	1452937	11.075	98	50 - 200	0.0000	+/-0.50	
Blank (B349008-BLK1)			<i>Lab File ID: B349008-BLK2.D</i>			<i>Analyzed: 12/04/23 14:03</i>			
Pentafluorobenzene	1557445	5.065	1651193	5.065	94	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2626714	5.807	2702585	5.807	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2517383	8.703	2535693	8.703	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1300659	11.081	1452937	11.075	90	50 - 200	0.0060	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S404017	Instrument:	ChemStation05
		Calibration:	UNASSIGNED

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S404017-ICV1)			<i>Lab File ID: SEQ-ICV1.D</i>		<i>Analyzed: 11/30/23 22:42</i>				
Pentafluorobenzene	1791450	5.065	1733853	5.065	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2929185	5.807	2821765	5.807	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2717168	8.697	2597373	8.697	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1470155	11.075	1385148	11.075	106	50 - 200	0.0000	+/-0.50	
Instrument Blank (S348056-IBL1)			<i>Lab File ID: SEQ-IBL1.D</i>		<i>Analyzed: 12/01/23 11:06</i>				
Pentafluorobenzene	1675594	5.065				50 - 200	5.0650	+/-0.50	
1,4-Difluorobenzene	2710495	5.807				50 - 200	5.8070	+/-0.50	
Chlorobenzene-d5	2582872	8.703				50 - 200	8.7030	+/-0.50	
1,4-Dichlorobenzene-d4	1308631	11.081				50 - 200	11.0810	+/-0.50	
Calibration Check (S348056-CCV1)			<i>Lab File ID: SEQ-CCV1.D</i>		<i>Analyzed: 12/01/23 11:31</i>				
Pentafluorobenzene	1714069	5.059				50 - 200	5.0590	+/-0.50	
1,4-Difluorobenzene	2744940	5.807				50 - 200	5.8070	+/-0.50	
Chlorobenzene-d5	2590835	8.703				50 - 200	8.7030	+/-0.50	
1,4-Dichlorobenzene-d4	1421082	11.075				50 - 200	11.0750	+/-0.50	
LCS (B348197-BS1)			<i>Lab File ID: B348197-BS1.D</i>		<i>Analyzed: 12/01/23 11:55</i>				
Pentafluorobenzene	1679219	5.058	1714069	5.059	98	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2717990	5.807	2744940	5.807	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2544976	8.703	2590835	8.703	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1371145	11.075	1421082	11.075	96	50 - 200	0.0000	+/-0.50	
Matrix Spike (B348197-MS1)			<i>Lab File ID: B348197-MS1.D</i>		<i>Analyzed: 12/01/23 12:20</i>				
Pentafluorobenzene	1702894	5.065	1714069	5.059	99	50 - 200	0.0060	+/-0.50	
1,4-Difluorobenzene	2756521	5.807	2744940	5.807	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2548469	8.703	2590835	8.703	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1380382	11.075	1421082	11.075	97	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S348056	Instrument:	ChemStation05
		Calibration:	UNASSIGNED

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (B348197-MSD1)			<i>Lab File ID: B348197-MSD1.D</i>		<i>Analyzed: 12/01/23 12:45</i>				
Pentafluorobenzene	1719914	5.058	1714069	5.059	100	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2765456	5.807	2744940	5.807	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2553129	8.696	2590835	8.703	99	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	1379908	11.075	1421082	11.075	97	50 - 200	0.0000	+/-0.50	
Blank (B348197-BLK1)			<i>Lab File ID: B348197-BLK1.D</i>		<i>Analyzed: 12/01/23 13:34</i>				
Pentafluorobenzene	1683880	5.065	1714069	5.059	98	50 - 200	0.0060	+/-0.50	
1,4-Difluorobenzene	2677845	5.807	2744940	5.807	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2573409	8.703	2590835	8.703	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1309430	11.075	1421082	11.075	92	50 - 200	0.0000	+/-0.50	
Instrument Blank (S349003-IBL1)			<i>Lab File ID: SEQ-IBL1.D</i>		<i>Analyzed: 12/04/23 10:47</i>				
Pentafluorobenzene	1698445	5.065	1733853	5.065	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2759975	5.813	2821765	5.807	98	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	2679103	8.703	2597373	8.697	103	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1410917	11.081	1385148	11.075	102	50 - 200	0.0060	+/-0.50	
Calibration Check (S349003-CCV1)			<i>Lab File ID: SEQ-CCV1.D</i>		<i>Analyzed: 12/04/23 11:11</i>				
Pentafluorobenzene	1651193	5.065	1733853	5.065	95	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2702585	5.807	2821765	5.807	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2535693	8.703	2597373	8.697	98	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1452937	11.075	1385148	11.075	105	50 - 200	0.0000	+/-0.50	
LCS (B349008-BS1)			<i>Lab File ID: B349008-BS1.D</i>		<i>Analyzed: 12/04/23 11:36</i>				
Pentafluorobenzene	1671589	5.059	1651193	5.065	101	50 - 200	-0.0060	+/-0.50	
1,4-Difluorobenzene	2728358	5.807	2702585	5.807	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2577444	8.697	2535693	8.703	102	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	1414017	11.075	1452937	11.075	97	50 - 200	0.0000	+/-0.50	

8 - FORM VIII INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Sequence:	S349003	Instrument:	ChemStation05
		Calibration:	L404002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B349008-MS1)			<i>Lab File ID: B349008-MS1.D</i>			<i>Analyzed: 12/04/23 12:00</i>			
Pentafluorobenzene	1628190	5.065	1651193	5.065	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2683114	5.807	2702585	5.807	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2523313	8.703	2535693	8.703	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1387630	11.075	1452937	11.075	96	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B349008-MSD1)			<i>Lab File ID: B349008-MSD1.D</i>			<i>Analyzed: 12/04/23 12:25</i>			
Pentafluorobenzene	1686932	5.064	1651193	5.065	102	50 - 200	-0.0010	+/-0.50	
1,4-Difluorobenzene	2796733	5.813	2702585	5.807	103	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	2640169	8.702	2535693	8.703	104	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	1420972	11.075	1452937	11.075	98	50 - 200	0.0000	+/-0.50	
Blank (B349008-BLK1)			<i>Lab File ID: B349008-BLK2.D</i>			<i>Analyzed: 12/04/23 14:03</i>			
Pentafluorobenzene	1557445	5.065	1651193	5.065	94	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	2626714	5.807	2702585	5.807	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2517383	8.703	2535693	8.703	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	1300659	11.081	1452937	11.075	90	50 - 200	0.0060	+/-0.50	



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

VOLATILES SAMPLE DATA

1 - FORM I ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
		File ID:	3120104-01.D
Sampled:	11/30/23 09:25	Prepared:	12/01/23 13:38
		Analyzed:	12/01/23 20:07
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B348197	Sequence:	S348056
		Calibration:	UNASSIGNED
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	0.500	U
75-45-6	Chlorodifluoromethane	0.500	2.B, 4.R, U
74-87-3	Chloromethane	0.500	4.S, U
75-01-4	Vinyl chloride	0.500	4.S, U
74-83-9	Bromomethane	0.500	4.S, U
75-00-3	Chloroethane	0.500	4.S, U
75-69-4	Trichlorofluoromethane	0.500	U
107-02-8	Acrolein	0.500	4.R, U
67-64-1	Acetone	1.00	U
75-35-4	1,1-Dichloroethene	0.500	4.R, U
75-65-0	tert-Butyl alcohol	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.500	4.R, U
79-20-9	Methyl Acetate	0.500	4.S, U
107-13-1	Acrylonitrile	0.500	U
75-09-2	Methylene Chloride	0.500	4.R, U
75-15-0	Carbon disulfide	0.500	4.R, U
1634-04-4	Methyl-tert-Butyl Ether	0.500	U
156-60-5	trans-1,2-Dichloroethene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
108-05-4	Vinyl Acetate	0.500	4.R, U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.00	U
156-59-2	cis-1,2-Dichloroethene	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-3A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-01
		File ID:	3120104-01.D
Sampled:	11/30/23 09:25	Prepared:	12/01/23 13:38
		Analyzed:	12/01/23 20:07
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B348197	Sequence:	S348056
		Calibration:	UNASSIGNED
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
594-20-7	2,2-Dichloropropane	0.500	U
74-97-5	Bromochloromethane	0.500	U
67-66-3	Chloroform	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	4.R, U
107-06-2	1,2-Dichloroethane	0.500	U
563-58-6	1,1-Dichloropropene	0.500	4.R, U
56-23-5	Carbon Tetrachloride	0.500	4.R, U
71-43-2	Benzene	0.500	4.R, U
79-01-6	Trichloroethene	0.500	4.R, U
78-87-5	1,2-Dichloropropane	0.500	U
74-95-3	Dibromomethane	0.500	U
123-91-1	1,4-Dioxane	10.0	U
75-27-4	Bromodichloromethane	0.500	U
110-75-8	2-Chloroethyl Vinyl Ether	0.500	U
108-10-1	4-Methyl-2-Pentanone	0.500	U
10061-01-5	cis-1,3-Dichloropropene	0.500	U
108-88-3	Toluene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
591-78-6	Methyl Butyl Ketone (2-Hexanone)	1.00	U
142-28-9	1,3-Dichloropropane	0.500	U
124-48-1	Dibromochloromethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
		File ID:	3120104-04.D
Sampled:	11/30/23 15:10	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 15:42
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	0.500	U
75-45-6	Chlorodifluoromethane	0.500	2.B, 4.R, U
74-87-3	Chloromethane	0.500	4.S, U
75-01-4	Vinyl chloride	0.500	4.S, U
74-83-9	Bromomethane	0.500	4.S, U
75-00-3	Chloroethane	0.500	4.S, U
75-69-4	Trichlorofluoromethane	0.500	U
107-02-8	Acrolein	0.500	4.J, 4.N, 4.R, U
67-64-1	Acetone	1.00	4.K, U
75-35-4	1,1-Dichloroethene	0.500	4.R, U
75-65-0	tert-Butyl alcohol	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.500	4.R, U
79-20-9	Methyl Acetate	0.500	4.S, U
107-13-1	Acrylonitrile	0.500	U
75-09-2	Methylene Chloride	0.500	4.R, U
75-15-0	Carbon disulfide	0.500	4.J, 4.R, U
1634-04-4	Methyl-tert-Butyl Ether	0.500	U
156-60-5	trans-1,2-Dichloroethene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
108-05-4	Vinyl Acetate	0.500	4.R, U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.00	U
156-59-2	cis-1,2-Dichloroethene	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
		File ID:	3120104-04.D
Sampled:	11/30/23 15:10	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 15:42
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
594-20-7	2,2-Dichloropropane	0.500	U
74-97-5	Bromochloromethane	0.500	U
67-66-3	Chloroform	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	4.R, U
107-06-2	1,2-Dichloroethane	0.500	U
563-58-6	1,1-Dichloropropene	0.500	4.R, U
56-23-5	Carbon Tetrachloride	0.500	4.R, U
71-43-2	Benzene	0.500	4.R, U
79-01-6	Trichloroethene	0.500	4.R, U
78-87-5	1,2-Dichloropropane	0.500	U
74-95-3	Dibromomethane	0.500	U
123-91-1	1,4-Dioxane	10.0	4.K, 4.M, U
75-27-4	Bromodichloromethane	0.500	U
110-75-8	2-Chloroethyl Vinyl Ether	0.500	U
108-10-1	4-Methyl-2-Pentanone	0.500	U
10061-01-5	cis-1,3-Dichloropropene	0.500	U
108-88-3	Toluene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
591-78-6	Methyl Butyl Ketone (2-Hexanone)	1.00	U
142-28-9	1,3-Dichloropropane	0.500	U
124-48-1	Dibromochloromethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
		File ID:	3120104-04.D
Sampled:	11/30/23 15:10	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 15:42
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
127-18-4	Tetrachloroethene	0.500	U
106-93-4	1,2-Dibromoethane	0.500	U
108-90-7	Chlorobenzene	0.500	U
630-20-6	1,1,1,2-Tetrachloroethane	0.500	U
100-41-4	Ethylbenzene	0.500	U
108-38-3/106-42-3	m,p-Xylenes	1.00	U
100-42-5	Styrene	0.500	U
95-47-6	o-Xylene	0.500	U
75-25-2	Bromoform	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U
98-82-8	Isopropylbenzene (Cumene)	0.500	U
96-18-4	1,2,3-Trichloropropane	0.500	U
108-86-1	Bromobenzene	0.500	U
103-65-1	n-Propylbenzene	0.500	U
95-49-8	2-Chlorotoluene	0.500	4.C, U
622-96-8	4-Ethyltoluene	0.500	2.B, U
106-43-4	4-Chlorotoluene	0.500	4.C, U
108-67-8	1,3,5-Trimethylbenzene	0.500	U
98-06-6	tert-Butylbenzene	0.500	U
95-63-6	1,2,4-Trimethylbenzene	0.500	U
135-98-8	sec-Butylbenzene	0.500	U
541-73-1	1,3-Dichlorobenzene	0.500	U



1 - FORM I ANALYSIS DATA SHEET

MW-6AR

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-04
		File ID:	3120104-04.D
Sampled:	11/30/23 15:10	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 15:42
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
99-87-6	4-Isopropyltoluene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
105-05-5	1,4-Diethylbenzene	0.500	2.B, U
104-51-8	n-Butylbenzene	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.500	2.B, U
120-82-1	1,2,4-Trichlorobenzene	0.500	U
91-20-3	Naphthalene	0.500	4.C, U
87-68-3	Hexachlorobutadiene	0.500	U
87-61-6	1,2,3-Trichlorobenzene	0.500	U

* Values outside of QC limits

1 - FORM I ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
		File ID:	3120104-05.D
Sampled:	11/30/23 11:40	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 16:06
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
594-20-7	2,2-Dichloropropane	0.500	U
74-97-5	Bromochloromethane	0.500	U
67-66-3	Chloroform	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	4.R, U
107-06-2	1,2-Dichloroethane	0.500	U
563-58-6	1,1-Dichloropropene	0.500	4.R, U
56-23-5	Carbon Tetrachloride	0.500	4.R, U
71-43-2	Benzene	0.500	4.R, U
79-01-6	Trichloroethene	0.500	4.R, U
78-87-5	1,2-Dichloropropane	0.500	U
74-95-3	Dibromomethane	0.500	U
123-91-1	1,4-Dioxane	10.0	4.K, 4.M, U
75-27-4	Bromodichloromethane	0.500	U
110-75-8	2-Chloroethyl Vinyl Ether	0.500	U
108-10-1	4-Methyl-2-Pentanone	0.500	U
10061-01-5	cis-1,3-Dichloropropene	0.500	U
108-88-3	Toluene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
591-78-6	Methyl Butyl Ketone (2-Hexanone)	1.00	U
142-28-9	1,3-Dichloropropane	0.500	U
124-48-1	Dibromochloromethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
		File ID:	3120104-05.D
Sampled:	11/30/23 11:40	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 16:06
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
127-18-4	Tetrachloroethene	0.500	U
106-93-4	1,2-Dibromoethane	0.500	U
108-90-7	Chlorobenzene	0.500	U
630-20-6	1,1,1,2-Tetrachloroethane	0.500	U
100-41-4	Ethylbenzene	0.500	U
108-38-3/106-42-3	m,p-Xylenes	1.00	U
100-42-5	Styrene	0.500	U
95-47-6	o-Xylene	0.500	U
75-25-2	Bromoform	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U
98-82-8	Isopropylbenzene (Cumene)	0.500	U
96-18-4	1,2,3-Trichloropropane	0.500	U
108-86-1	Bromobenzene	0.500	U
103-65-1	n-Propylbenzene	0.500	U
95-49-8	2-Chlorotoluene	0.500	4.C, U
622-96-8	4-Ethyltoluene	0.500	2.B, U
106-43-4	4-Chlorotoluene	0.500	4.C, U
108-67-8	1,3,5-Trimethylbenzene	0.500	U
98-06-6	tert-Butylbenzene	0.500	U
95-63-6	1,2,4-Trimethylbenzene	0.500	U
135-98-8	sec-Butylbenzene	0.500	U
541-73-1	1,3-Dichlorobenzene	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-7A

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-05
		File ID:	3120104-05.D
Sampled:	11/30/23 11:40	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 16:06
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
99-87-6	4-Isopropyltoluene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
105-05-5	1,4-Diethylbenzene	0.500	2.B, U
104-51-8	n-Butylbenzene	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.500	2.B, U
120-82-1	1,2,4-Trichlorobenzene	0.500	U
91-20-3	Naphthalene	0.500	4.C, U
87-68-3	Hexachlorobutadiene	0.500	U
87-61-6	1,2,3-Trichlorobenzene	0.500	U

* Values outside of QC limits

1 - FORM I ANALYSIS DATA SHEET

MW-7B

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-06
		File ID:	3120104-06.D
Sampled:	11/30/23 13:35	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 16:31
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	0.500	U
75-45-6	Chlorodifluoromethane	0.500	2.B, 4.R, U
74-87-3	Chloromethane	0.500	4.S, U
75-01-4	Vinyl chloride	0.500	4.S, U
74-83-9	Bromomethane	0.500	4.S, U
75-00-3	Chloroethane	0.500	4.S, U
75-69-4	Trichlorofluoromethane	0.500	U
107-02-8	Acrolein	0.500	4.J, 4.N, 4.R, U
67-64-1	Acetone	2.34	4.K, D
75-35-4	1,1-Dichloroethene	0.500	4.R, U
75-65-0	tert-Butyl alcohol	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.500	4.R, U
79-20-9	Methyl Acetate	0.500	4.S, U
107-13-1	Acrylonitrile	0.500	U
75-09-2	Methylene Chloride	0.500	4.R, U
75-15-0	Carbon disulfide	0.500	4.J, 4.R, U
1634-04-4	Methyl-tert-Butyl Ether	0.500	U
156-60-5	trans-1,2-Dichloroethene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
108-05-4	Vinyl Acetate	0.500	4.R, U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.00	U
156-59-2	cis-1,2-Dichloroethene	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-7B

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-06
		File ID:	3120104-06.D
Sampled:	11/30/23 13:35	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 16:31
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
99-87-6	4-Isopropyltoluene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
105-05-5	1,4-Diethylbenzene	0.500	2.B, U
104-51-8	n-Butylbenzene	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.500	2.B, U
120-82-1	1,2,4-Trichlorobenzene	0.500	U
91-20-3	Naphthalene	0.500	4.C, U
87-68-3	Hexachlorobutadiene	0.500	U
87-61-6	1,2,3-Trichlorobenzene	0.500	U

* Values outside of QC limits

1 - FORM I ANALYSIS DATA SHEET

MW-7C

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-07
		File ID:	3120104-07.D
Sampled:	11/30/23 11:14	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 16:56
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	0.500	U
75-45-6	Chlorodifluoromethane	0.500	2.B, 4.R, U
74-87-3	Chloromethane	0.500	4.S, U
75-01-4	Vinyl chloride	0.500	4.S, U
74-83-9	Bromomethane	0.500	4.S, U
75-00-3	Chloroethane	0.500	4.S, U
75-69-4	Trichlorofluoromethane	0.500	U
107-02-8	Acrolein	0.500	4.J, 4.N, 4.R, U
67-64-1	Acetone	1.00	4.K, U
75-35-4	1,1-Dichloroethene	0.500	4.R, U
75-65-0	tert-Butyl alcohol	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.500	4.R, U
79-20-9	Methyl Acetate	0.500	4.S, U
107-13-1	Acrylonitrile	0.500	U
75-09-2	Methylene Chloride	0.500	4.R, U
75-15-0	Carbon disulfide	0.500	4.J, 4.R, U
1634-04-4	Methyl-tert-Butyl Ether	0.500	U
156-60-5	trans-1,2-Dichloroethene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
108-05-4	Vinyl Acetate	0.500	4.R, U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.00	U
156-59-2	cis-1,2-Dichloroethene	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-7C

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-07
		File ID:	3120104-07.D
Sampled:	11/30/23 11:14	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 16:56
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
594-20-7	2,2-Dichloropropane	0.500	U
74-97-5	Bromochloromethane	0.500	U
67-66-3	Chloroform	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	4.R, U
107-06-2	1,2-Dichloroethane	0.500	U
563-58-6	1,1-Dichloropropene	0.500	4.R, U
56-23-5	Carbon Tetrachloride	0.500	4.R, U
71-43-2	Benzene	0.500	4.R, U
79-01-6	Trichloroethene	0.500	4.R, U
78-87-5	1,2-Dichloropropane	0.500	U
74-95-3	Dibromomethane	0.500	U
123-91-1	1,4-Dioxane	10.0	4.K, 4.M, U
75-27-4	Bromodichloromethane	0.500	U
110-75-8	2-Chloroethyl Vinyl Ether	0.500	U
108-10-1	4-Methyl-2-Pentanone	0.500	U
10061-01-5	cis-1,3-Dichloropropene	0.500	U
108-88-3	Toluene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
591-78-6	Methyl Butyl Ketone (2-Hexanone)	1.00	U
142-28-9	1,3-Dichloropropane	0.500	U
124-48-1	Dibromochloromethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

MW-7C

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-07
		File ID:	3120104-07.D
Sampled:	11/30/23 11:14	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 16:56
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
99-87-6	4-Isopropyltoluene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
105-05-5	1,4-Diethylbenzene	0.500	2.B, U
104-51-8	n-Butylbenzene	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.500	2.B, U
120-82-1	1,2,4-Trichlorobenzene	0.500	U
91-20-3	Naphthalene	0.500	4.C, U
87-68-3	Hexachlorobutadiene	0.500	U
87-61-6	1,2,3-Trichlorobenzene	0.500	U

* Values outside of QC limits

1 - FORM I ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
		File ID:	3120104-08.D
Sampled:	11/30/23 00:00	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 17:20
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
127-18-4	Tetrachloroethene	0.500	U
106-93-4	1,2-Dibromoethane	0.500	U
108-90-7	Chlorobenzene	0.500	U
630-20-6	1,1,1,2-Tetrachloroethane	0.500	U
100-41-4	Ethylbenzene	0.500	U
108-38-3/106-42-3	m,p-Xylenes	1.00	U
100-42-5	Styrene	0.500	U
95-47-6	o-Xylene	0.500	U
75-25-2	Bromoform	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U
98-82-8	Isopropylbenzene (Cumene)	0.500	U
96-18-4	1,2,3-Trichloropropane	0.500	U
108-86-1	Bromobenzene	0.500	U
103-65-1	n-Propylbenzene	0.500	U
95-49-8	2-Chlorotoluene	0.500	4.C, U
622-96-8	4-Ethyltoluene	0.500	2.B, U
106-43-4	4-Chlorotoluene	0.500	4.C, U
108-67-8	1,3,5-Trimethylbenzene	0.500	U
98-06-6	tert-Butylbenzene	0.500	U
95-63-6	1,2,4-Trimethylbenzene	0.500	U
135-98-8	sec-Butylbenzene	0.500	U
541-73-1	1,3-Dichlorobenzene	0.500	U

1 - FORM I ANALYSIS DATA SHEET

DUP

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-08
		File ID:	3120104-08.D
Sampled:	11/30/23 00:00	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 17:20
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
99-87-6	4-Isopropyltoluene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
105-05-5	1,4-Diethylbenzene	0.500	2.B, U
104-51-8	n-Butylbenzene	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.500	2.B, U
120-82-1	1,2,4-Trichlorobenzene	0.500	U
91-20-3	Naphthalene	0.500	4.C, U
87-68-3	Hexachlorobutadiene	0.500	U
87-61-6	1,2,3-Trichlorobenzene	0.500	U

* Values outside of QC limits

1 - FORM I ANALYSIS DATA SHEET

EQ Blank

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-09
		File ID:	3120104-09.D
Sampled:	11/30/23 13:50	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 17:45
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	0.500	U
75-45-6	Chlorodifluoromethane	0.500	2.B, 4.R, U
74-87-3	Chloromethane	0.500	4.S, U
75-01-4	Vinyl chloride	0.500	4.S, U
74-83-9	Bromomethane	0.500	4.S, U
75-00-3	Chloroethane	0.500	4.S, U
75-69-4	Trichlorofluoromethane	0.500	U
107-02-8	Acrolein	0.500	4.J, 4.N, 4.R, U
67-64-1	Acetone	1.00	4.K, U
75-35-4	1,1-Dichloroethene	0.500	4.R, U
75-65-0	tert-Butyl alcohol	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.500	4.R, U
79-20-9	Methyl Acetate	0.500	4.S, U
107-13-1	Acrylonitrile	0.500	U
75-09-2	Methylene Chloride	0.500	4.R, U
75-15-0	Carbon disulfide	0.500	4.J, 4.R, U
1634-04-4	Methyl-tert-Butyl Ether	0.500	U
156-60-5	trans-1,2-Dichloroethene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
108-05-4	Vinyl Acetate	0.500	4.R, U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.00	U
156-59-2	cis-1,2-Dichloroethene	0.500	U

1 - FORM I ANALYSIS DATA SHEET

EQ Blank

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-09
		File ID:	3120104-09.D
Sampled:	11/30/23 13:50	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 17:45
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
594-20-7	2,2-Dichloropropane	0.500	U
74-97-5	Bromochloromethane	0.500	U
67-66-3	Chloroform	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	4.R, U
107-06-2	1,2-Dichloroethane	0.500	U
563-58-6	1,1-Dichloropropene	0.500	4.R, U
56-23-5	Carbon Tetrachloride	0.500	4.R, U
71-43-2	Benzene	0.500	4.R, U
79-01-6	Trichloroethene	0.500	4.R, U
78-87-5	1,2-Dichloropropane	0.500	U
74-95-3	Dibromomethane	0.500	U
123-91-1	1,4-Dioxane	10.0	4.K, 4.M, U
75-27-4	Bromodichloromethane	0.500	U
110-75-8	2-Chloroethyl Vinyl Ether	0.500	U
108-10-1	4-Methyl-2-Pentanone	0.500	U
10061-01-5	cis-1,3-Dichloropropene	0.500	U
108-88-3	Toluene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
591-78-6	Methyl Butyl Ketone (2-Hexanone)	1.00	U
142-28-9	1,3-Dichloropropane	0.500	U
124-48-1	Dibromochloromethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

EQ Blank

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-09
		File ID:	3120104-09.D
Sampled:	11/30/23 13:50	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 17:45
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
127-18-4	Tetrachloroethene	0.500	U
106-93-4	1,2-Dibromoethane	0.500	U
108-90-7	Chlorobenzene	0.500	U
630-20-6	1,1,1,2-Tetrachloroethane	0.500	U
100-41-4	Ethylbenzene	0.500	U
108-38-3/106-42-3	m,p-Xylenes	1.00	U
100-42-5	Styrene	0.500	U
95-47-6	o-Xylene	0.500	U
75-25-2	Bromoform	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U
98-82-8	Isopropylbenzene (Cumene)	0.500	U
96-18-4	1,2,3-Trichloropropane	0.500	U
108-86-1	Bromobenzene	0.500	U
103-65-1	n-Propylbenzene	0.500	U
95-49-8	2-Chlorotoluene	0.500	4.C, U
622-96-8	4-Ethyltoluene	0.500	2.B, U
106-43-4	4-Chlorotoluene	0.500	4.C, U
108-67-8	1,3,5-Trimethylbenzene	0.500	U
98-06-6	tert-Butylbenzene	0.500	U
95-63-6	1,2,4-Trimethylbenzene	0.500	U
135-98-8	sec-Butylbenzene	0.500	U
541-73-1	1,3-Dichlorobenzene	0.500	U

1 - FORM I ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Long Island Analytical Laboratories, Inc.	SDG:	
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	3120104-10
		File ID:	3120104-10.D
Sampled:	11/30/23 00:00	Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 18:09
Solids:		Preparation:	EPA 5030 C
		Dilution:	1
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
99-87-6	4-Isopropyltoluene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
105-05-5	1,4-Diethylbenzene	0.500	2.B, U
104-51-8	n-Butylbenzene	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U
95-93-2	1,2,4,5-Tetramethylbenzene	0.500	2.B, U
120-82-1	1,2,4-Trichlorobenzene	0.500	U
91-20-3	Naphthalene	0.500	4.C, U
87-68-3	Hexachlorobutadiene	0.500	U
87-61-6	1,2,3-Trichlorobenzene	0.500	U

* Values outside of QC limits



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

VOLATILES CALIBRATION DATA

6 - FORM VI INITIAL CALIBRATION DATA SHEET

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	CAL 01	CAL 02	CAL 03	CAL 04	CAL 05	CAL 06
Dichlorodifluoromethane	30.02533	39.53246	41.43833	58.35674	62.61845	58.30493
Chlorodifluoromethane	274.0959	285.6104	295.5203	319.6557	352.4972	326.4347
Chloromethane	70.20415	59.05016	47.10544	47.27621	47.85467	43.84369
Vinyl chloride	16.84996	12.57641	13.8556	26.73814	27.64527	21.38437
Bromomethane	80.76862	68.97373	59.89453	44.37285	38.83458	36.05783
Chloroethane	28.15177	30.77058	32.50001	36.88779	43.01047	40.04454
Trichlorofluoromethane	98.99656	106.2579	106.6206	121.7347	134.6378	126.8995
Acrolein	44.37318	45.22536	45.08297	43.31048	44.82235	43.47303
Acetone	301.8368	188.1259	159.1601	116.8231	104.1357	105.8413
1,1-Dichloroethene	132.636	129.5555	134.8426	147.3804	160.5117	154.611
tert-Butyl alcohol	982.024	1029.485	1059.057	1025.065	1165.723	1104.213
1,1,2-Trichloro-1,2,2-trifluoroethane	120.0167	129.8329	130.9291	143.7977	155.6851	145.8354
Methyl Acetate	397.2796	349.4056	336.7973	269.3608	281.6924	258.9484
Acrylonitrile	121.1529	119.2562	136.4498	124.2908	132.3289	131.268
Methylene Chloride	367.0246	294.7711	285.7874	263.8782	285.6553	266.6397
Carbon disulfide	54.6959	48.65844	47.6133	63.79088	75.48762	70.6357
Methyl-tert-Butyl Ether	704.1085	728.582	745.9138	730.8682	804.7863	773.9438
trans-1,2-Dichloroethene	261.1019	256.6315	272.8011	251.9695	286.2174	272.8903
1,1-Dichloroethane	363.1808	370.5474	383.2515	371.7016	407.0877	399.0619
Vinyl Acetate	98.64602	411.23	457.5185	464.9644	529.8708	530.5073
Methyl Ethyl Ketone (2-Butanone)	34.52188	33.66038	32.55378	28.96209	32.35628	32.07375
cis-1,2-Dichloroethene	261.1019	256.6315	272.8011	251.9695	286.2174	272.8903
2,2-Dichloropropane	235.1017	260.6541	284.6402	281.5083	309.4298	289.238
Bromochloromethane	96.27687	96.06849	111.505	108.7105	123.1058	118.1377
Chloroform	420.1008	413.8135	431.8238	406.865	450.1809	428.6565
1,1,1-Trichloroethane	243.8893	266.6938	279.6811	270.8592	305.3484	286.7589
Dibromofluoromethane	484.3246	481.2308	481.496	478.1669	483.3405	481.3668
1,2-Dichloroethane	327.6073	320.0684	318.3142	305.9983	338.0573	319.3587
1,1-Dichloropropene	120.9595	136.936	143.2074	145.2026	161.0368	154.985

6 - FORM VI INITIAL CALIBRATION DATA SHEET

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	CAL 01	CAL 02	CAL 03	CAL 04	CAL 05	CAL 06
Carbon Tetrachloride	117.8168	152.3155	169.6728	182.6752	207.6816	200.9128
Benzene	588.2015	605.3262	627.6155	607.5129	692.334	657.306
Trichloroethene	78.12808	92.45888	94.54056	91.28896	101.5715	96.3216
1,2-Dichloropropane	152.2218	158.5751	165.5612	154.7287	174.3138	164.8341
Dibromomethane	72.25723	78.27682	81.46687	81.15276	88.38335	83.55667
1,4-Dioxane	1.750193	2.108883	2.242757	1.658324	1.847287	2.005265
Bromodichloromethane	187.115	196.9344	211.1911	201.5448	224.9655	218.879
2-Chloroethyl Vinyl Ether	3.326325	3.397236	3.794179	4.982697	6.944698	8.126692
4-Methyl-2-Pentanone	74.84601	74.20575	82.14733	75.93404	82.81744	80.63203
cis-1,3-Dichloropropene	135.9442	151.9105	168.8945	167.5455	201.6945	196.9204
1,2-Dichloroethane-d4	365.3271	362.7227	364.162	353.607	347.3458	352.015
Toluene	411.7342	417.5793	433.2205	408.321	461.2552	438.8457
trans-1,3-Dichloropropene	119.3789	136.4755	152.8885	149.7609	186.8909	180.4547
1,1,2-Trichloroethane	155.4301	153.7144	163.1769	148.8182	165.4671	156.8251
Methyl Butyl Ketone (2-Hexanone)	70.42075	67.98333	77.13016	69.59048	77.89202	77.53393
1,3-Dichloropropane	209.5806	218.1145	225.0832	211.6484	240.3503	229.1938
Dibromochloromethane	150.164	149.317	160.6003	153.4182	175.3048	170.4217
Tetrachloroethene	77.83306	84.25707	91.72078	86.15742	94.84465	89.42881
1,2-Dibromoethane	116.3108	118.4084	128.5956	121.5388	134.6172	129.6011
Chlorobenzene	361.3578	386.5002	399.1388	365.0858	407.8688	392.6232
1,1,1,2-Tetrachloroethane	155.2957	169.6187	179.4993	165.3663	188.3499	179.6533
Ethylbenzene	521.0903	566.4108	604.9348	563.3007	628.2356	610.1263
m,p-Xylenes	403.1455	447.0301	458.0018	427.8812	473.0366	456.9278
Styrene	385.2465	428.1711	460.3375	434.837	493.633	479.6902
o-Xylene	485.09	525.5938	555.2656	506.4709	560.9125	541.4312
Bromoform	111.9708	119.8248	121.4188	119.3082	137.8906	137.6287
1,1,2,2-Tetrachloroethane	228.5885	249.385	258.8619	249.6422	272.6651	261.327
Isopropylbenzene (Cumene)	549.447	617.8972	656.6417	616.6846	687.2819	670.0426
1,2,3-Trichloropropane	63.6486	68.71199	68.53329	66.00053	70.44483	68.38786

6 - FORM VI INITIAL CALIBRATION DATA SHEET

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	CAL 01	CAL 02	CAL 03	CAL 04	CAL 05	CAL 06
Toluene-d8	1209.332	1242.881	1234.944	1242.543	1228.915	1241.129
Bromobenzene	264.8613	280.9431	289.1161	271.4304	304.4906	295.9344
n-Propylbenzene	619.3071	673.3936	725.7202	690.242	779.122	756.0953
2-Chlorotoluene	428.5637	448.328	472.6789	440.5397	501.8777	483.2051
4-Ethyltoluene	537.6777	582.5844	620.5884	580.7391	661.3961	644.2315
4-Chlorotoluene	548.9332	597.7974	427.9496	421.4789	488.1328	500.4072
1,3,5-Trimethylbenzene	507.5698	541.855	576.6574	538.923	606.2253	588.3744
tert-Butylbenzene	97.68742	111.717	117.4828	112.9356	124.4575	121.0621
1,2,4-Trimethylbenzene	502.9695	570.7715	606.5312	579.176	658.7493	638.1616
sec-Butylbenzene	540.5189	614.5694	653.0391	636.8096	733.5984	706.2274
4-Bromofluorobenzene	853.2598	856.4183	860.4919	835.1519	814.8334	816.3651
1,3-Dichlorobenzene	600.6118	674.5985	703.1096	624.8488	705.918	679.8281
4-Isopropyltoluene	952.541	1056.637	1132.007	1038.507	1169.922	1146.484
1,4-Dichlorobenzene	618.9088	657.8209	671.5204	609.1161	683.6952	662.0103
1,2-Dichlorobenzene	620.589	671.4554	701.8624	649.6273	735.1055	708.1578
1,4-Diethylbenzene	513.7201	598.0067	639.1877	607.2507	705.1093	682.5734
n-Butylbenzene	834.666	984.1982	1045.601	1009.618	1163.739	1146.091
1,2-Dibromo-3-chloropropane	67.80853	74.51886	81.866	74.32852	87.45679	87.17027
1,2,4,5-Tetramethylbenzene	398.0032	527.4391	609.6242	698.2402	976.5144	979.7391
1,2,4-Trichlorobenzene	163.5173	198.5099	220.5428	262.8976	345.9019	348.8444
Naphthalene	322.1637	364.2654	448.3245	557.035	743.7968	807.3517
Hexachlorobutadiene	125.2739	149.569	149.6416	142.2491	170.5683	161.267
1,2,3-Trichlorobenzene	138.3608	166.646	188.2566	219.409	292.0592	298.1277

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	CAL 07	CAL 08	CAL 09	CAL 10	CAL 11	CAL 12
Dichlorodifluoromethane	65.36076	62.96449	62.81046			
Chlorodifluoromethane	353.7214	354.8246	347.2745			
Chloromethane	44.73921	45.32078	43.74888			
Vinyl chloride	21.98674	20.29565	20.13987			
Bromomethane	36.17217	35.12743	34.6675			
Chloroethane	41.79783	41.70326	41.04648			
Trichlorofluoromethane	138.7872	138.2278	136.2579			
Acrolein	44.08387	46.26728	44.34132			
Acetone	107.6373	105.0529	98.01383			
1,1-Dichloroethene	165.5598	163.8404	159.1566			
tert-Butyl alcohol	1146.438	1190.811	1140.314			
1,1,2-Trichloro-1,2,2-trifluoroethane	160.8343	159.1834	155.7129			
Methyl Acetate	271.6958	267.219	258.5858			
Acrylonitrile	138.0852	136.6487	129.1949			
Methylene Chloride	270.7146	270.4652	259.1551			
Carbon disulfide	76.89433	76.35452	75.672			
Methyl-tert-Butyl Ether	787.6551	830.7348	784.735			
trans-1,2-Dichloroethene	283.5432	293.6005	283.653			
1,1-Dichloroethane	413.2587	426.4857	408.8464			
Vinyl Acetate	556.1859	586.899	573.3136			
Methyl Ethyl Ketone (2-Butanone)	33.32972	34.2393	31.9377			
cis-1,2-Dichloroethene	283.5432	293.6005	283.653			
2,2-Dichloropropane	304.1147	309.1085	296.6421			
Bromochloromethane	120.3405	125.0116	119.3666			
Chloroform	439.0545	456.1049	437.6634			
1,1,1-Trichloroethane	309.089	313.3554	304.59			
Dibromofluoromethane	480.7928	480.4374	482.9992			
1,2-Dichloroethane	328.2998	340.0935	326.1219			

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	CAL 07	CAL 08	CAL 09	CAL 10	CAL 11	CAL 12
1,1-Dichloropropene	166.0598	167.5769	163.8581			
Carbon Tetrachloride	221.5411	227.7195	223.1894			
Benzene	677.3893	710.0795	685.4413			
Trichloroethene	101.4159	105.3092	101.7523			
1,2-Dichloropropane	169.1618	176.0007	171.1025			
Dibromomethane	87.10951	89.90353	85.25835			
1,4-Dioxane	2.102876	2.133297	2.551111			
Bromodichloromethane	223.7173	236.1939	230.1684			
2-Chloroethyl Vinyl Ether	10.33883	13.78538	15.6767			
4-Methyl-2-Pentanone	84.40749	85.66883	82.55126			
cis-1,3-Dichloropropene	208.957	225.6579	221.7947			
1,2-Dichloroethane-d4	352.4067	350.733	349.3625			
Toluene	454.6924	471.7034	457.2483			
trans-1,3-Dichloropropene	192.2875	209.4153	207.2186			
1,1,2-Trichloroethane	162.4411	167.3945	161.2767			
Methyl Butyl Ketone (2-Hexanone)	80.48282	81.09076	78.95268			
1,3-Dichloropropane	234.8884	246.5276	237.1687			
Dibromochloromethane	176.9702	189.0397	183.6264			
Tetrachloroethene	96.08526	99.21925	95.29285			
1,2-Dibromoethane	134.2215	140.303	135.6752			
Chlorobenzene	402.5571	422.7921	406.3592			
1,1,1,2-Tetrachloroethane	183.997	193.7273	185.8586			
Ethylbenzene	634.7141	665.9673	638.2524			
m,p-Xylenes	479.0676	492.7287	458.2774			
Styrene	492.0098	520.0385	499.4383			
o-Xylene	554.7244	573.4237	548.7886			
Bromoform	143.6847	151.932	143.1734			
1,1,2,2-Tetrachloroethane	267.3595	277.9689	256.3935			

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	CAL 07	CAL 08	CAL 09	CAL 10	CAL 11	CAL 12
Isopropylbenzene (Cumene)	695.5122	731.3837	687.1101			
1,2,3-Trichloropropane	70.47643	72.99781	66.90637			
Toluene-d8	1228.845	1227.983	1219.491			
Bromobenzene	303.3581	321.683	303.7192			
n-Propylbenzene	799.2009	840.6388	780.1949			
2-Chlorotoluene	494.847	529.816	486.9514			
4-Ethyltoluene	673.4897	713.6147	661.4844			
4-Chlorotoluene	487.7556	523.779	478.6498			
1,3,5-Trimethylbenzene	607.0137	644.8335	597.6939			
tert-Butylbenzene	125.4134	130.1024	119.9938			
1,2,4-Trimethylbenzene	660.6501	694.9433	634.5095			
sec-Butylbenzene	746.4885	785.4047	711.6281			
4-Bromofluorobenzene	829.8808	842.5619	865.1337			
1,3-Dichlorobenzene	710.7872	752.9478	725.4485			
4-Isopropyltoluene	1222.62	1280.858	1201.177			
1,4-Dichlorobenzene	689.7949	728.5096	699.7904			
1,2-Dichlorobenzene	732.4854	775.715	754.0544			
1,4-Diethylbenzene	727.1022	756.7382	718.1874			
n-Butylbenzene	1224.508	1282.646	1200.306			
1,2-Dibromo-3-chloropropane	95.15958	99.74451	101.3524			
1,2,4,5-Tetramethylbenzene	1080.237	1153.12	1111.837			
1,2,4-Trichlorobenzene	384.7738	423.806	412.7395			
Naphthalene	954.153	1049.811	1085.385			
Hexachlorobutadiene	173.0008	188.4889	178.5569			
1,2,3-Trichlorobenzene	331.4354	370.4049	365.898			

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
Dichlorodifluoromethane	53.49022	24.18092		0.9988918	0.99	
Chlorodifluoromethane	323.2927	9.771001		0.9991787	0.99	
Chloromethane	49.9048	17.88031		0.9994105	0.99	
Vinyl chloride	20.16356	25.55247	0.9901834		0.99	
Bromomethane	48.3188	35.67697		0.9996234	0.99	
Chloroethane	37.32364	14.77627		0.999549	0.99	
Trichlorofluoromethane	123.1578	12.6236		0.9991941	0.99	
Acrolein	44.55332	2.061918				
Acetone	142.9585	46.80491	0.9978372		0.99	
1,1-Dichloroethene	149.7882	9.45603		0.9993089	0.99	
tert-Butyl alcohol	1093.681	6.639899			20	
1,1,2-Trichloro-1,2,2-trifluoroethane	144.6475	10.1783		0.9989908	0.99	
Methyl Acetate	298.9983	16.63837	0.99916		0.99	
Acrylonitrile	129.8528	5.342065		0.9988775	0.99	
Methylene Chloride	284.899	11.56907	0.9989719		0.99	
Carbon disulfide	65.53363	18.69238		0.9991694	0.99	
Methyl-tert-Butyl Ether	765.7031	5.354086		0.9985543	0.99	
trans-1,2-Dichloroethene	273.6009	5.284383			20	
1,1-Dichloroethane	393.7135	5.647688			20	
Vinyl Acetate	467.6817	32.1179		0.9991183	0.99	
Methyl Ethyl Ketone (2-Butanone)	32.6261	5.087764	0.9978305		0.99	
cis-1,2-Dichloroethene	273.6009	5.284383			20	
2,2-Dichloropropane	285.6042	8.566238		0.9991306	0.99	
Bromochloromethane	113.1692	9.649075		0.9990502	0.99	
Chloroform	431.5848	3.760478	0.9990922		0.99	

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
1,1,1-Trichloroethane	286.6961	8.192002			20	
Dibromofluoromethane	481.5728	0.3771605			20	
1,2-Dichloroethane	324.8799	3.226535			20	
1,1-Dichloropropene	151.0913	10.40714				
Carbon Tetrachloride	189.2805	19.62928			20	
Benzene	650.134	6.788393			20	
Trichloroethene	95.86522	8.541042			20	
1,2-Dichloropropane	165.1666	5.121688			20	
Dibromomethane	83.04057	6.628752			20	
1,4-Dioxane	2.044444	13.25601		0.9988472	0.99	
Bromodichloromethane	214.5233	7.672115			20	
2-Chloroethyl Vinyl Ether	7.819193	58.69908		0.9897909	0.99	*
4-Methyl-2-Pentanone	80.35669	5.326175		0.9992458	0.99	
cis-1,3-Dichloropropene	186.591	16.99451		0.9986964	0.99	
1,2-Dichloroethane-d4	355.298	1.92847			20	
Toluene	439.4	5.288249			20	
trans-1,3-Dichloropropene	170.5301	18.79295				
1,1,2-Trichloroethane	159.3938	3.806164			20	
Methyl Butyl Ketone (2-Hexanone)	75.67521	6.565203		0.9994636	0.99	
1,3-Dichloropropane	228.0617	5.678216			20	
Dibromochloromethane	167.6514	8.847185			20	
Tetrachloroethene	90.53768	7.511255			20	
1,2-Dibromoethane	128.808	6.49653			20	
Chlorobenzene	393.8092	5.104799			20	
1,1,1,2-Tetrachloroethane	177.9296	6.890385			20	

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
Ethylbenzene	603.6703	7.528736		0.9987968	0.99	
m,p-Xylenes	455.1219	5.936146		0.9980152	0.99	
Styrene	465.9335	9.175319		0.9988717	0.99	
o-Xylene	539.0779	5.256123		0.9991089	0.99	
Bromoform	131.8702	10.54633		0.9979862	0.99	
1,1,2,2-Tetrachloroethane	258.0213	5.690934		0.9978909	0.99	
Isopropylbenzene (Cumene)	656.889	8.291424		0.9981731	0.99	
1,2,3-Trichloropropane	68.45641	4.009944		0.9975556	0.99	
Toluene-d8	1230.674	0.9137786			20	
Bromobenzene	292.8374	6.159542		0.9983292	0.99	
n-Propylbenzene	740.435	9.395767		0.9974113	0.99	
2-Chlorotoluene	476.3119	6.793486		0.9970427	0.99	
4-Ethyltoluene	630.6451	8.747384		0.9973572	0.99	
4-Chlorotoluene	497.2093	11.14319		0.9967337	0.99	
1,3,5-Trimethylbenzene	578.794	7.32777		0.9975175	0.99	
tert-Butylbenzene	117.8724	8.128062		0.9977227	0.99	
1,2,4-Trimethylbenzene	616.2736	9.453529		0.9969449	0.99	
sec-Butylbenzene	680.9205	11.18606		0.9961711	0.99	
4-Bromofluorobenzene	841.5663	2.222776			20	
1,3-Dichlorobenzene	686.4554	7.012689	0.9985648		0.99	
4-Isopropyltoluene	1133.417	9.009064		0.9977022	0.99	
1,4-Dichlorobenzene	669.0185	5.645738	0.9986374		0.99	
1,2-Dichlorobenzene	705.4502	7.158781	0.9988681		0.99	
1,4-Diethylbenzene	660.8751	11.75015	0.9982679		0.99	
n-Butylbenzene	1099.041	12.86941		0.9975774	0.99	

6 - FORM VI INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Calibration:	L404002	Instrument:	ChemStation05
		Calibration Date:	11/30/2023 2:51:02PM

COMPOUND	Mean RF	RF RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromo-3-chloropropane	85.4895	13.87572		0.9991396	0.99	
1,2,4,5-Tetramethylbenzene	837.1949	33.62504	0.9970872		0.99	
1,2,4-Trichlorobenzene	306.837	31.74752		0.9973627	0.99	
Naphthalene	703.5873	41.68238		0.9967745	0.99	
Hexachlorobutadiene	159.8462	12.46341		0.9972752	0.99	
1,2,3-Trichlorobenzene	263.3997	33.20319		0.9972818	0.99	

INITIAL CALIBRATION STANDARDS

EPA 8260 D

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Sequence: S404017 Instrument: ChemStation05
 Calibration: L404002

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2305586	SOIL Cal 2.5 PPB	S404017-CAL1	SEQ-CAL1.D	11/30/23 18:38
2305587	SOIL Cal 5 PPB	S404017-CAL2	SEQ-CAL2.D	11/30/23 19:02
2305588	SOIL Cal 10 PPB	S404017-CAL3	SEQ-CAL3.D	11/30/23 19:27
2305589	SOIL Cal 25 PPB	S404017-CAL4	SEQ-CAL4.D	11/30/23 19:51
2305590	SOIL Cal 50 PPB	S404017-CAL5	SEQ-CAL5.D	11/30/23 20:16
2305591	SOIL Cal 75 PPB	S404017-CAL6	SEQ-CAL6.D	11/30/23 20:40
2305592	SOIL Cal 100 PPB	S404017-CAL7	SEQ-CAL7.D	11/30/23 21:05
2305593	SOIL Cal 150 PPB	S404017-CAL8	SEQ-CAL8.D	11/30/23 21:29
2305594	SOIL Cal 200 PPB	S404017-CAL9	SEQ-CAL9.D	11/30/23 21:54

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Instrument ID:	ChemStation05	Calibration:	L404002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/30/23 14:51
Sequence:	S349003	Injection Date:	12/04/23
Lab Sample ID:	S349003-CCV1	Injection Time:	11:11

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dichlorodifluoromethane	Q	50.0	44.3	53.49022	55.67187		-11.3	20
Chlorodifluoromethane	Q	50.0	46.9	323.2927	327.0381		-6.2	20
Chloromethane	Q	50.0	46.1	49.9048	42.12591		-7.7	20
Vinyl chloride	L	50.0	42.4	20.16356	19.78448		-15.1	20
Bromomethane	Q	50.0	58.8	48.3188	43.84769		17.5	20
Chloroethane	Q	50.0	42.8	37.32364	35.2854		-14.5	20
Trichlorofluoromethane	Q	50.0	44.9	123.1578	122.3213		-10.2	20
Acrolein	A	50.0	18.3	44.55332	16.26884		-63.5	20 *
Acetone	L	50.0	60.8	142.9585	130.2925		21.7	20 *
1,1-Dichloroethene	Q	50.0	45.8	149.7882	147.4576		-8.3	20
tert-Butyl alcohol	A	50.0	48.6	1093.681	1119.572		2.4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	Q	50.0	45.8	144.6475	143.3775		-8.4	20
Methyl Acetate	L	50.0	57.8	298.9983	311.4839		15.6	20
Acrylonitrile	Q	50.0	51.7	129.8528	137.3601		3.4	20
Methylene Chloride	L	50.0	47.4	284.899	256.7604		-5.3	20
Carbon disulfide	Q	50.0	33.8	65.53363	51.03522		-32.4	20 *
Methyl-tert-Butyl Ether	Q	50.0	49.0	765.7031	780.5466		-2.1	20
trans-1,2-Dichloroethene	A	50.0	47.2	273.6009	269.2671		-1.6	20
1,1-Dichloroethane	A	50.0	48.9	393.7135	404.1805		2.7	20
Vinyl Acetate	Q	50.0	40.5	467.6817	461.4476		-19.0	20
Methyl Ethyl Ketone (2-Butanone)	L	50.0	53.3	32.6261	34.81301		6.6	20
cis-1,2-Dichloroethene	A	50.0	47.2	273.6009	269.2671		-1.6	20
2,2-Dichloropropane	Q	50.0	52.4	285.6042	313.4764		4.8	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Instrument ID:	ChemStation05	Calibration:	L404002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/30/23 14:51
Sequence:	S349003	Injection Date:	12/04/23
Lab Sample ID:	S349003-CCV1	Injection Time:	11:11

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR		% DIFF / DRIFT		LIMIT (#)
		STD	CCV	ICAL	CCV	MIN (#)	CCV	
Bromochloromethane	Q	50.0	47.9	113.1692	114.4772	-4.2	20	
Chloroform	L	50.0	50.4	431.5848	435.146	0.8	20	
1,1,1-Trichloroethane	A	50.0	48.5	286.6961	297.0513	3.6	20	
1,2-Dichloroethane	A	50.0	49.8	324.8799	323.2996	-0.5	20	
1,1-Dichloropropene	A	50.0	45.4	151.0913	149.0286	-9.3	20	
Carbon Tetrachloride	A	50.0	45.6	189.2805	202.212	6.8	20	
Benzene	A	50.0	46.3	650.134	638.2228	-1.8	20	
Trichloroethene	A	50.0	46.0	95.86522	94.04885	-1.9	20	
1,2-Dichloropropane	A	50.0	49.3	165.1666	169.2972	2.5	20	
Dibromomethane	A	50.0	48.9	83.04057	84.82397	2.1	20	
1,4-Dioxane	Q	500	746	2.044444	2.847792	49.1	20	*
Bromodichloromethane	A	50.0	48.8	214.5233	224.4373	4.6	20	
2-Chloroethyl Vinyl Ether	Q	50.0	47.2	7.819193	6.869349	-5.6	20	
4-Methyl-2-Pentanone	Q	50.0	54.6	80.35669	90.42491	9.2	20	
cis-1,3-Dichloropropene	Q	50.0	48.7	186.591	195.7086	-2.6	20	
Toluene	A	50.0	47.2	439.4	434.0596	-1.2	20	
trans-1,3-Dichloropropene	A	50.0	48.8	170.5301	179.3409	-2.5	20	
1,1,2-Trichloroethane	A	50.0	51.3	159.3938	163.556	2.6	20	
Methyl Butyl Ketone (2-Hexanone)	Q	50.0	53.0	75.67521	84.3374	6.0	20	
1,3-Dichloropropane	A	50.0	49.2	228.0617	234.8	3.0	20	
Dibromochloromethane	A	50.0	51.4	167.6514	179.3568	7.0	20	
Tetrachloroethene	A	50.0	46.7	90.53768	89.7056	-0.9	20	
1,2-Dibromoethane	A	50.0	48.6	128.808	132.3359	2.7	20	

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CONTINUING CALIBRATION VERIFICATION

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Instrument ID:	ChemStation05	Calibration:	L404002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/30/23 14:51
Sequence:	S349003	Injection Date:	12/04/23
Lab Sample ID:	S349003-CCV1	Injection Time:	11:11

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Chlorobenzene	A	50.0	47.5	393.8092	388.9457		-1.2	20
1,1,1,2-Tetrachloroethane	A	50.0	49.2	177.9296	184.2467		3.6	20
Ethylbenzene	Q	50.0	46.6	603.6703	599.1861		-6.7	20
m,p-Xylenes	Q	100	97.0	455.1219	454.6631		-3.0	20
Styrene	Q	50.0	46.6	465.9335	467.4801		-6.9	20
o-Xylene	Q	50.0	49.0	539.0779	544.291		-2.1	20
Bromoform	Q	50.0	52.6	131.8702	149.7405		5.2	20
1,1,2,2-Tetrachloroethane	Q	50.0	53.7	258.0213	284.9446		7.5	20
Isopropylbenzene (Cumene)	Q	50.0	48.7	656.889	680.0165		-2.7	20
1,2,3-Trichloropropane	Q	50.0	53.7	68.45641	73.47143		7.3	20
Bromobenzene	Q	50.0	47.0	292.8374	289.5193		-6.0	20
n-Propylbenzene	Q	50.0	48.4	740.435	771.3714		-3.2	20
2-Chlorotoluene	Q	50.0	49.2	476.3119	486.8945		-1.5	20
4-Ethyltoluene	Q	50.0	48.2	630.6451	651.8869		-3.5	20
4-Chlorotoluene	Q	50.0	49.0	497.2093	481.6695		-2.1	20
1,3,5-Trimethylbenzene	Q	50.0	49.4	578.794	604.1772		-1.1	20
tert-Butylbenzene	Q	50.0	51.7	117.8724	127.2339		3.3	20
1,2,4-Trimethylbenzene	Q	50.0	50.3	616.2736	659.4193		0.7	20
sec-Butylbenzene	Q	50.0	50.4	680.9205	741.5401		0.8	20
1,3-Dichlorobenzene	L	50.0	45.0	686.4554	654.6409		-9.9	20
4-Isopropyltoluene	Q	50.0	46.5	1133.417	1134.411		-7.0	20
1,4-Dichlorobenzene	L	50.0	44.9	669.0185	631.4988		-10.1	20
1,2-Dichlorobenzene	L	50.0	45.2	705.4502	680.11		-9.6	20
1,4-Diethylbenzene	L	50.0	46.5	660.8751	675.8724		-6.9	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA 8260 D

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Instrument ID:	ChemStation05	Calibration:	L404002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/30/23 14:51
Sequence:	S349003	Injection Date:	12/04/23
Lab Sample ID:	S349003-CCV1	Injection Time:	11:11

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
n-Butylbenzene	Q	50.0	45.8	1099.041	1118.177		-8.3	20
1,2-Dibromo-3-chloropropane	Q	50.0	51.4	85.4895	91.11613		2.8	20
1,2,4,5-Tetramethylbenzene	L	50.0	45.3	837.1949	914.1167		-9.3	20
1,2,4-Trichlorobenzene	Q	50.0	43.9	306.837	312.6013		-12.2	20
Naphthalene	Q	50.0	40.5	703.5873	642.6989		-19.0	20
Hexachlorobutadiene	Q	50.0	47.7	159.8462	161.9891		-4.6	20
1,2,3-Trichlorobenzene	Q	50.0	44.7	263.3997	269.0351		-10.7	20
Dibromofluoromethane	A	50.0	49.4	481.5728	475.2897		-1.3	20
1,2-Dichloroethane-d4	A	50.0	49.2	355.298	349.7981		-1.5	20
Toluene-d8	A	50.0	49.8	1230.674	1226.562		-0.3	20
4-Bromofluorobenzene	A	50.0	46.9	841.5663	789.8663		-6.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Instrument: ChemStation05
Calibration ID: L404002

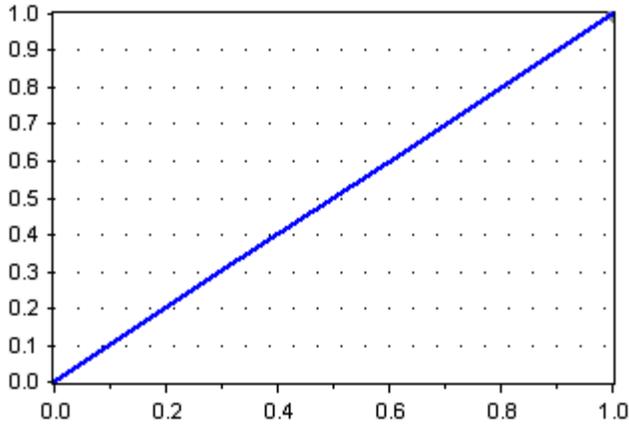
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Pentafluorobenzene

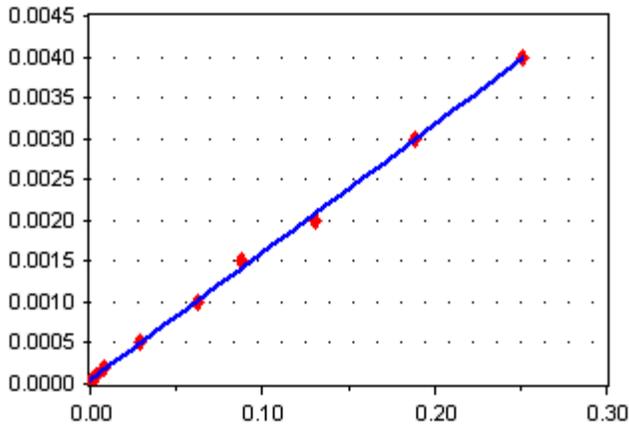
EPA 8260 D - Pentafluorobenzene



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Dichlorodifluoromethane

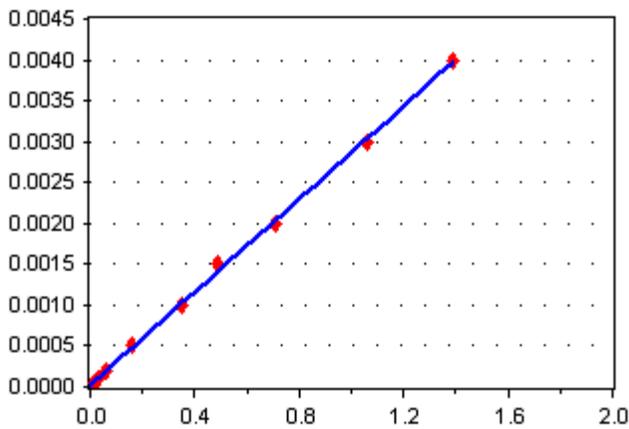
EPA 8260 D - Dichlorodifluoromethane



Quadratic Regression
Not Specified
Not Specified

Chlorodifluoromethane

EPA 8260 D - Chlorodifluoromethane



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

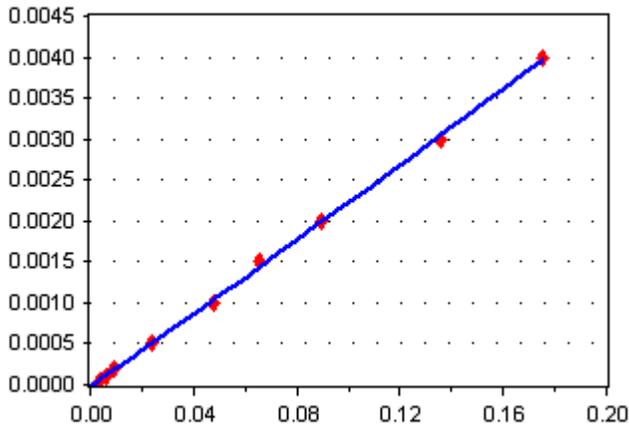
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
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EPA 8260 D

Chloromethane

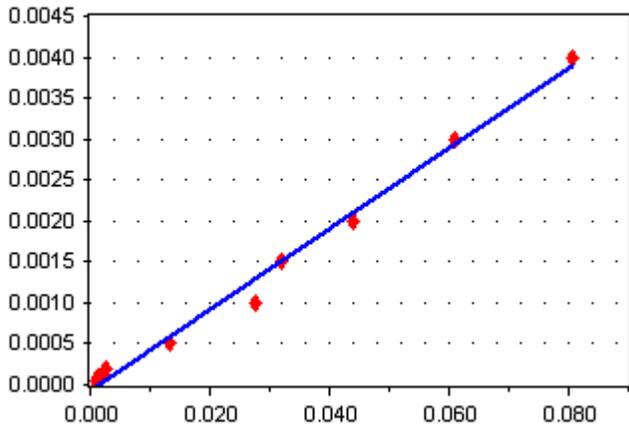
EPA 8260 D - Chloromethane



Quadratic Regression
Not Specified
Not Specified

Vinyl chloride

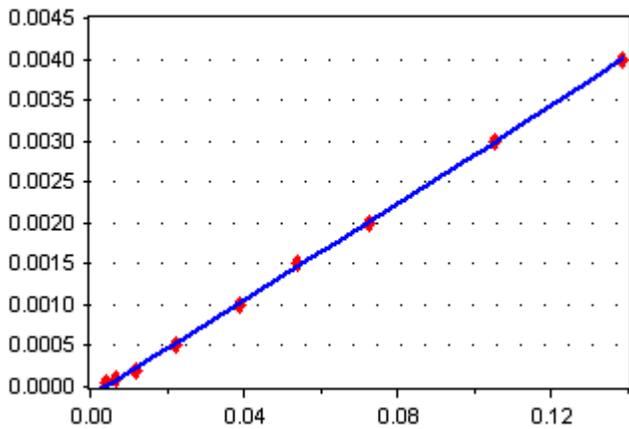
EPA 8260 D - Vinyl chloride



Linear Regression
r2: 0.9901834
[Conc] = 4.911847E-02 * [Response] + -6.521363E-05

Bromomethane

EPA 8260 D - Bromomethane



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

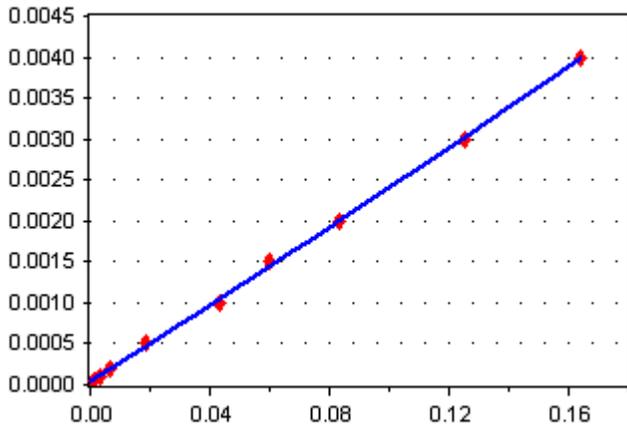
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Chloroethane

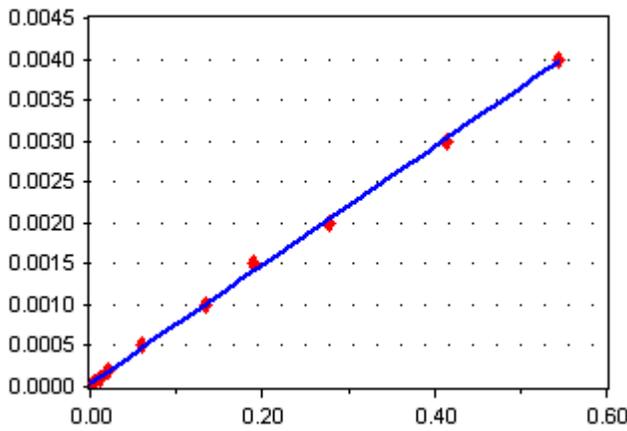
EPA 8260 D - Chloroethane



Quadratic Regression
Not Specified
Not Specified

Trichlorofluoromethane

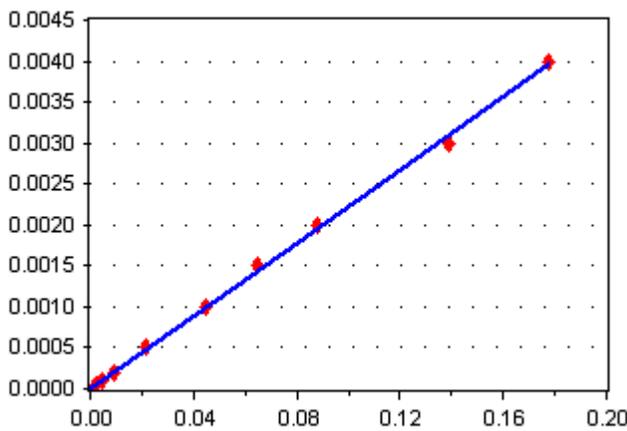
EPA 8260 D - Trichlorofluoromethane



Quadratic Regression
Not Specified
Not Specified

Acrolein

EPA 8260 D - Acrolein



Not Specified
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

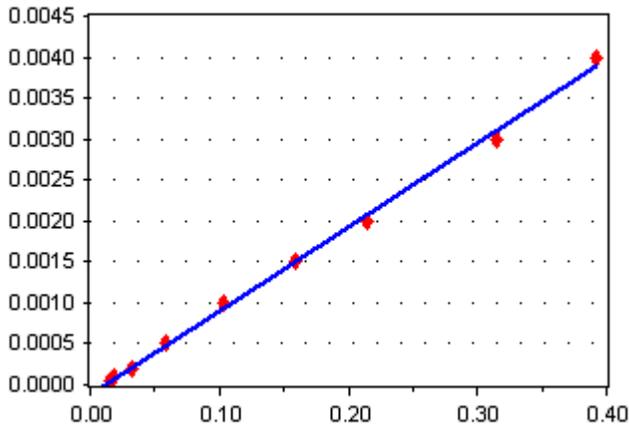
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Acetone

EPA 8260 D - Acetone



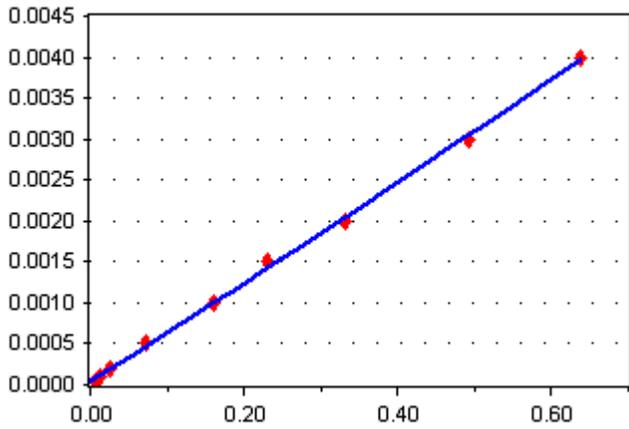
Linear Regression

r2: 0.9978372

$$[\text{Conc}] = 1.019257\text{E-}02 * [\text{Response}] + -1.108346\text{E-}04$$

1,1-Dichloroethene

EPA 8260 D - 1,1-Dichloroethene



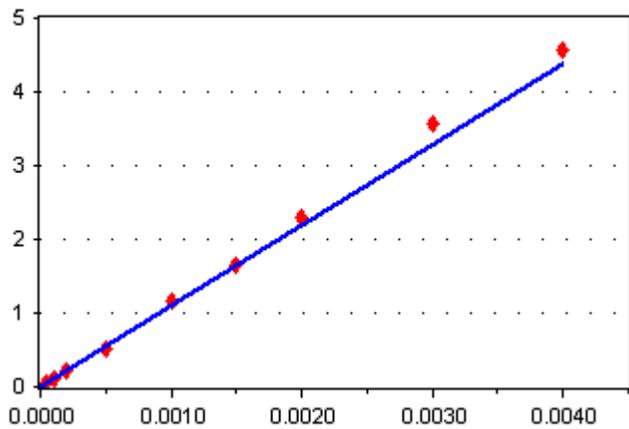
Quadratic Regression

Not Specified

Not Specified

tert-Butyl alcohol

EPA 8260 D - tert-Butyl alcohol



Average RF

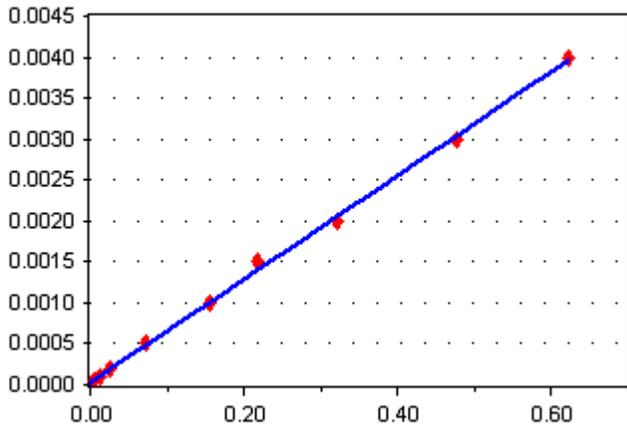
RF RSD: 6.639899

$$[\text{Conc}] = 1093.681 * [\text{Response}]$$

EPA 8260 D

1,1,2-Trichloro-1,2,2-trifluoroethane

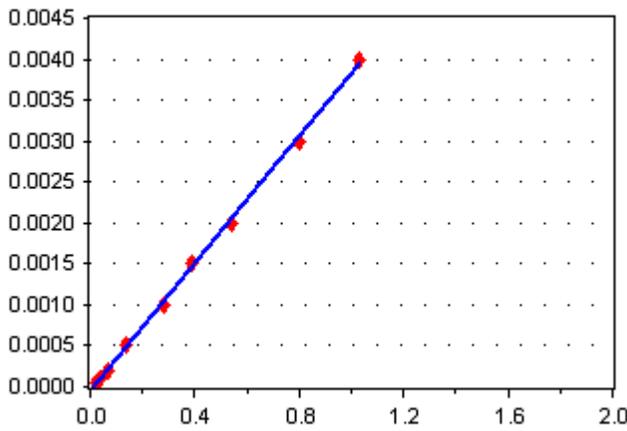
EPA 8260 D - 1,1,2-Trichloro-1,2,2-trifluoroethane



Quadratic Regression
Not Specified
Not Specified

Methyl Acetate

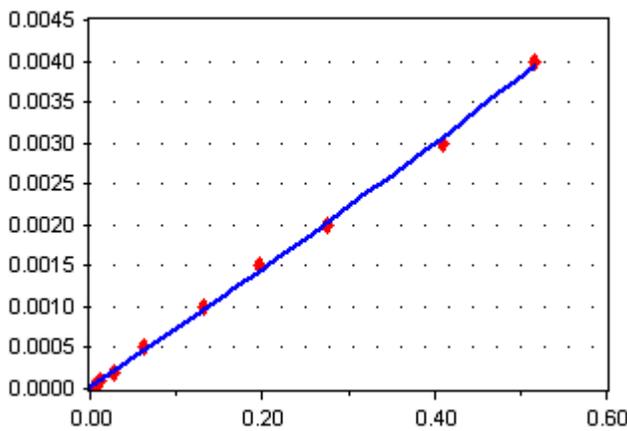
EPA 8260 D - Methyl Acetate



Linear Regression
r2: 0.99916
[Conc] = 3.857889E-03 * [Response] + -4.505956E-05

Acrylonitrile

EPA 8260 D - Acrylonitrile



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

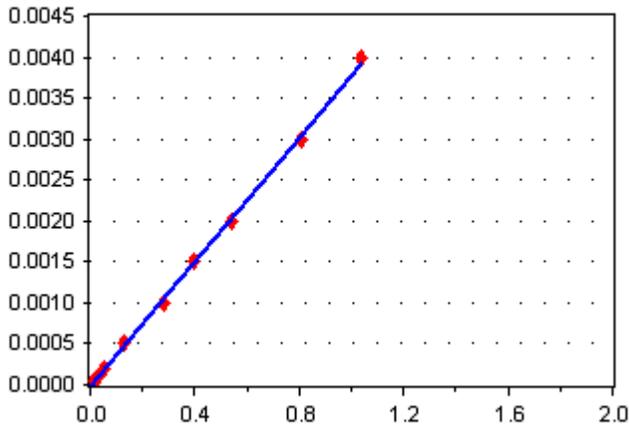
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Methylene Chloride

EPA 8260 D - Methylene Chloride



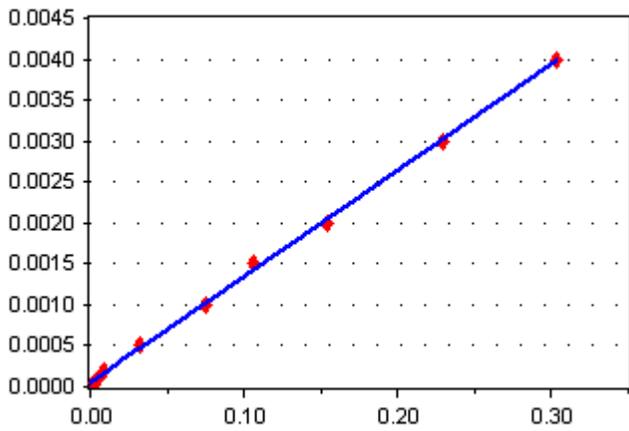
Linear Regression

r2: 0.9989719

$$[\text{Conc}] = 3.815713\text{E-}03 * [\text{Response}] + -3.195393\text{E-}05$$

Carbon disulfide

EPA 8260 D - Carbon disulfide



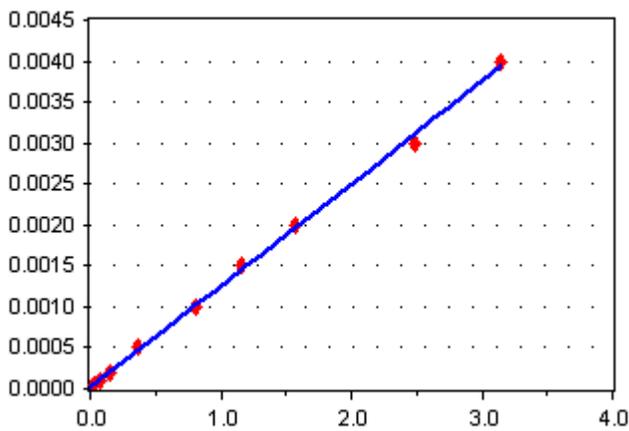
Quadratic Regression

Not Specified

Not Specified

Methyl-tert-Butyl Ether

EPA 8260 D - Methyl-tert-Butyl Ether



Quadratic Regression

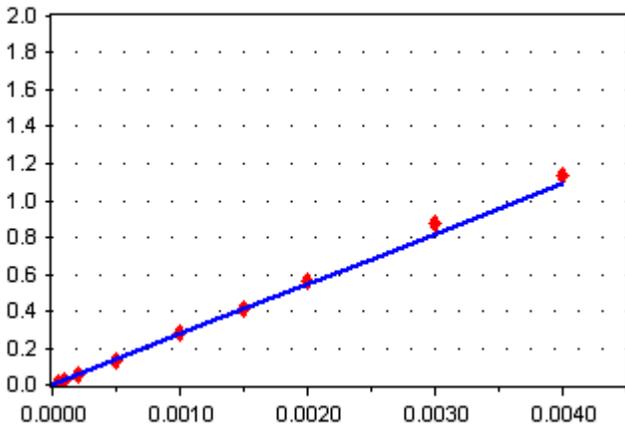
Not Specified

Not Specified

EPA 8260 D

trans-1,2-Dichloroethene

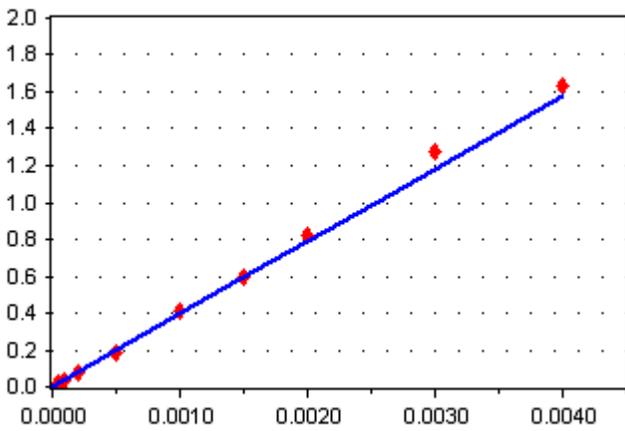
EPA 8260 D - trans-1,2-Dichloroethene



Average RF
RF RSD: 5.284383
[Conc] = 273.6009 * [Response]

1,1-Dichloroethane

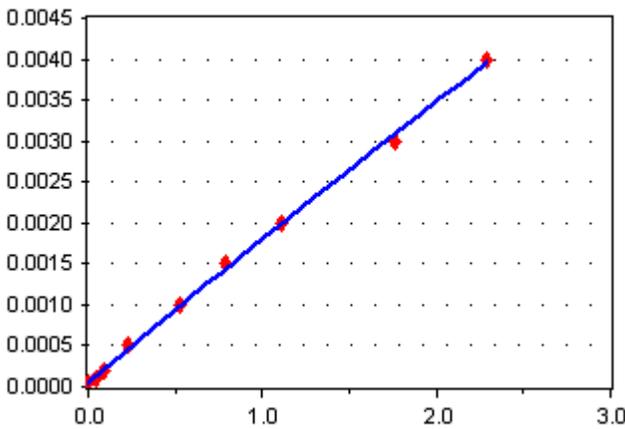
EPA 8260 D - 1,1-Dichloroethane



Average RF
RF RSD: 5.647688
[Conc] = 393.7135 * [Response]

Vinyl Acetate

EPA 8260 D - Vinyl Acetate

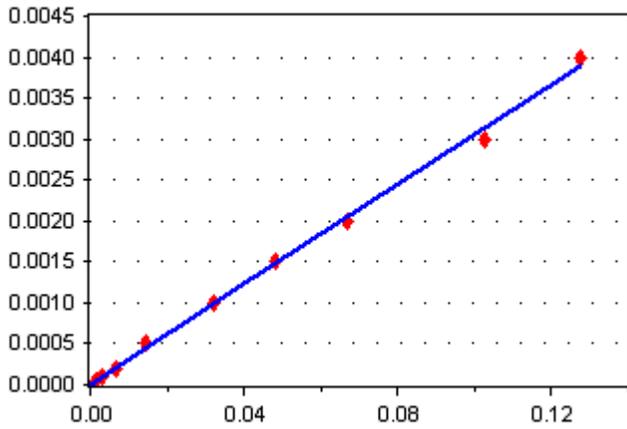


Quadratic Regression
Not Specified
Not Specified

EPA 8260 D

Methyl Ethyl Ketone (2-Butanone)

EPA 8260 D - Methyl Ethyl Ketone (2-Butanone)



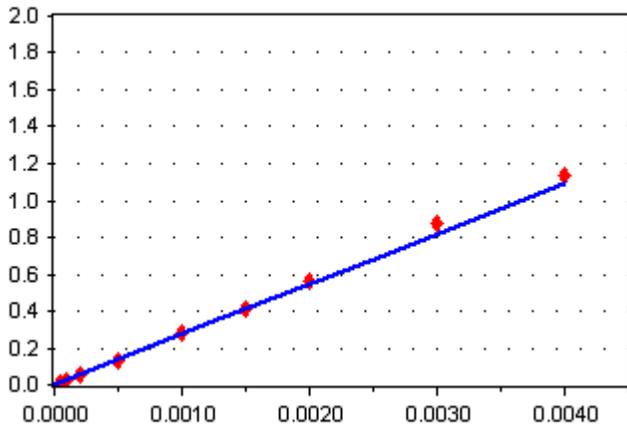
Linear Regression

r2: 0.9978305

[Conc] = 3.041191E-02 * [Response] + 8.150088E-06

cis-1,2-Dichloroethene

EPA 8260 D - cis-1,2-Dichloroethene



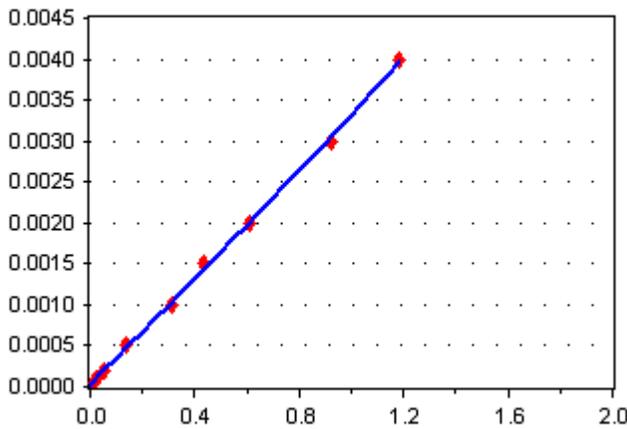
Average RF

RF RSD: 5.284383

[Conc] = 273.6009 * [Response]

2,2-Dichloropropane

EPA 8260 D - 2,2-Dichloropropane



Quadratic Regression

Not Specified

Not Specified

Instrument: ChemStation05
Calibration ID: L404002

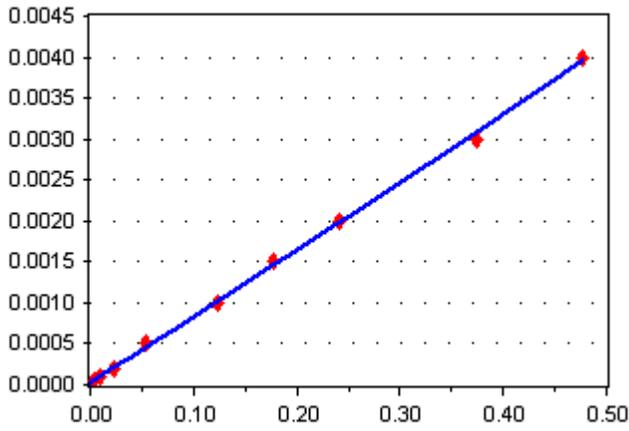
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Bromochloromethane

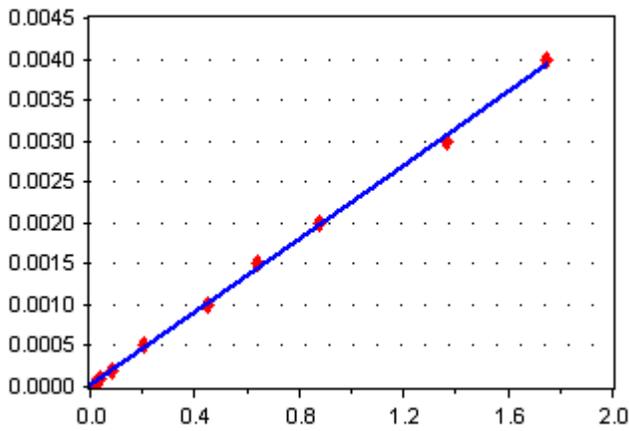
EPA 8260 D - Bromochloromethane



Quadratic Regression
Not Specified
Not Specified

Chloroform

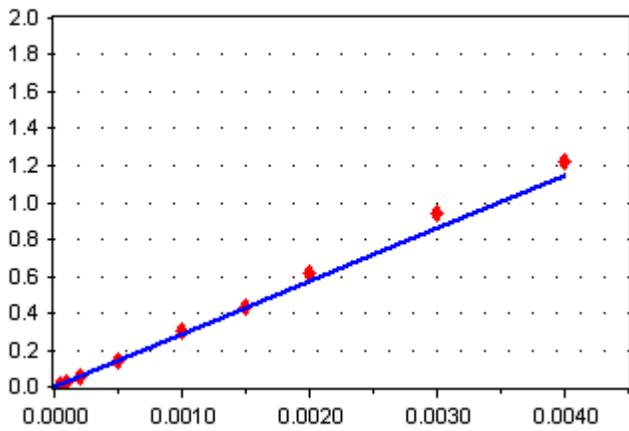
EPA 8260 D - Chloroform



Linear Regression
r2: 0.9990922
[Conc] = 2.248414E-03 * [Response] + 1.257446E-05

1,1,1-Trichloroethane

EPA 8260 D - 1,1,1-Trichloroethane



Average RF
RF RSD: 8.192002
[Conc] = 286.6961 * [Response]

Instrument: ChemStation05
Calibration ID: L404002

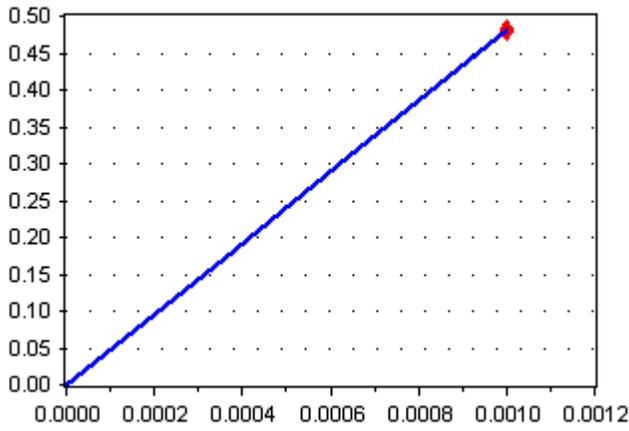
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Dibromofluoromethane

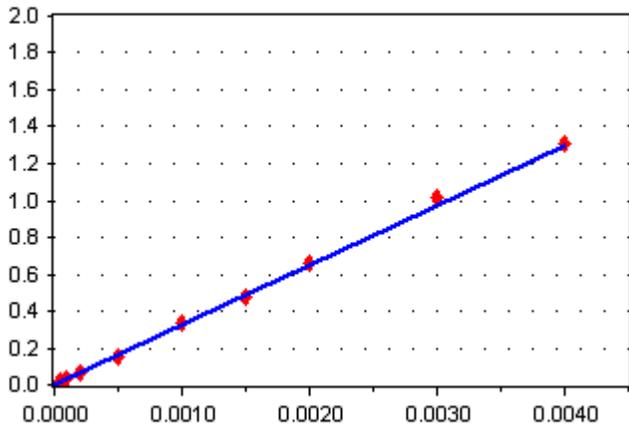
EPA 8260 D - Dibromofluoromethane



Average RF
RF RSD: 0.3771605
[Conc] = 481.5728 * [Response]

1,2-Dichloroethane

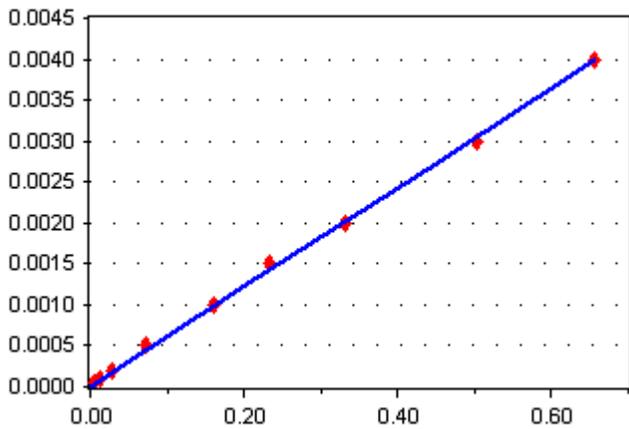
EPA 8260 D - 1,2-Dichloroethane



Average RF
RF RSD: 3.226535
[Conc] = 324.8799 * [Response]

1,1-Dichloropropene

EPA 8260 D - 1,1-Dichloropropene



Not Specified
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

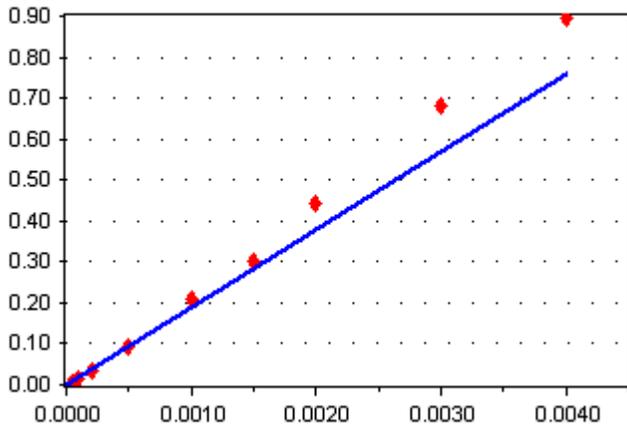
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Carbon Tetrachloride

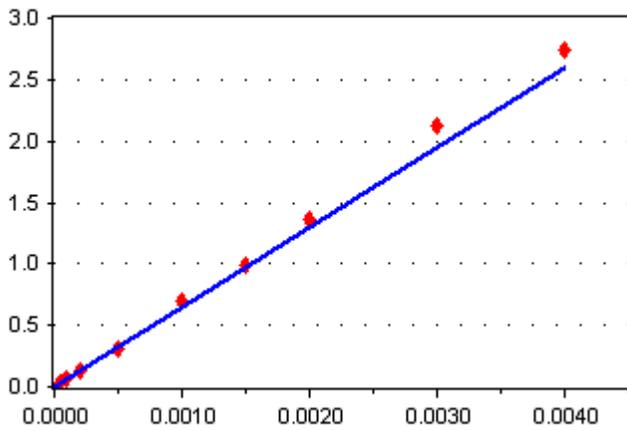
EPA 8260 D - Carbon Tetrachloride



Average RF
RF RSD: 19.62928
[Conc] = 189.2805 * [Response]

Benzene

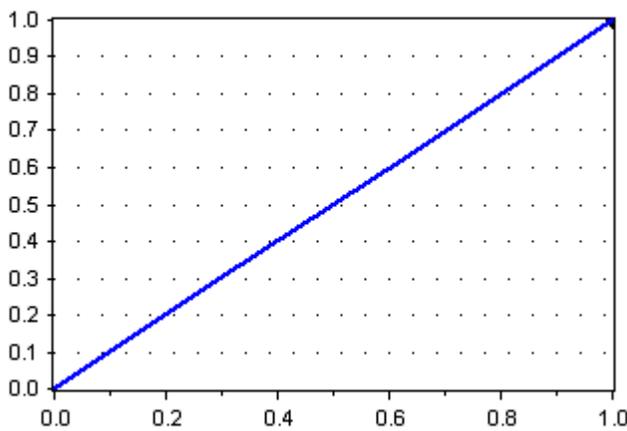
EPA 8260 D - Benzene



Average RF
RF RSD: 6.788393
[Conc] = 650.134 * [Response]

1,4-Difluorobenzene

EPA 8260 D - 1,4-Difluorobenzene



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Instrument: ChemStation05
Calibration ID: L404002

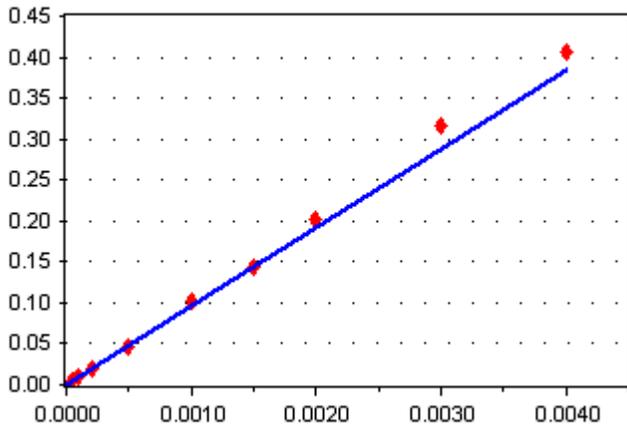
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Trichloroethene

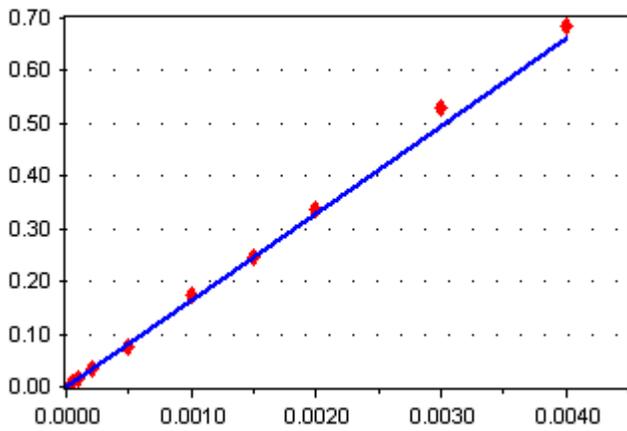
EPA 8260 D - Trichloroethene



Average RF
RF RSD: 8.541042
[Conc] = 95.86522 * [Response]

1,2-Dichloropropane

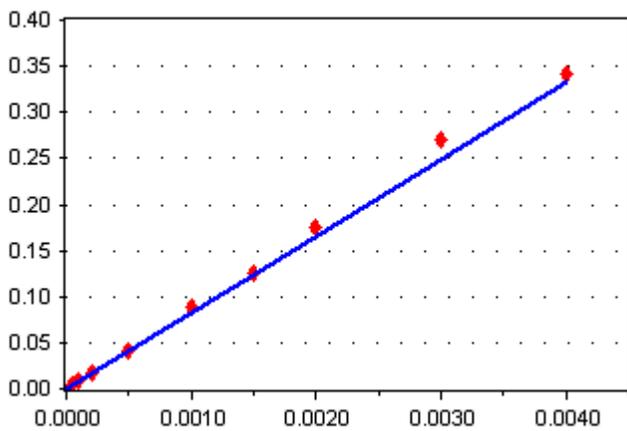
EPA 8260 D - 1,2-Dichloropropane



Average RF
RF RSD: 5.121688
[Conc] = 165.1666 * [Response]

Dibromomethane

EPA 8260 D - Dibromomethane

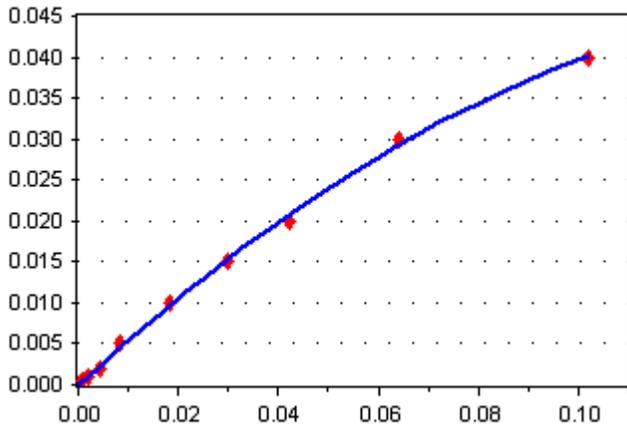


Average RF
RF RSD: 6.628752
[Conc] = 83.04057 * [Response]

EPA 8260 D

1,4-Dioxane

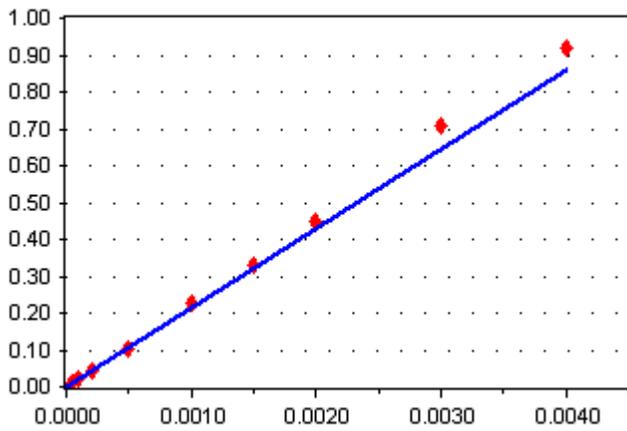
EPA 8260 D - 1,4-Dioxane



Quadratic Regression
Not Specified
Not Specified

Bromodichloromethane

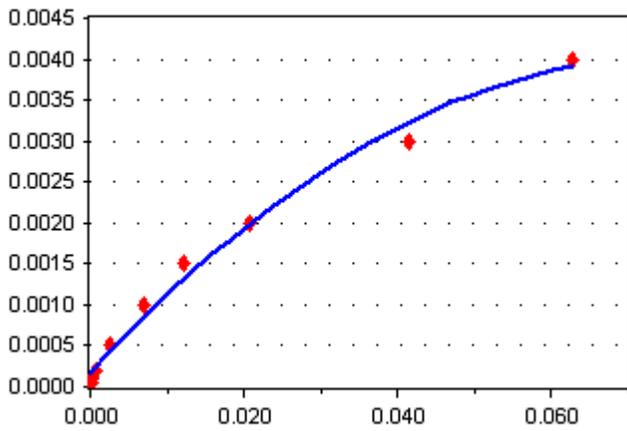
EPA 8260 D - Bromodichloromethane



Average RF
RF RSD: 7.672115
[Conc] = 214.5233 * [Response]

2-Chloroethyl Vinyl Ether

EPA 8260 D - 2-Chloroethyl Vinyl Ether



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

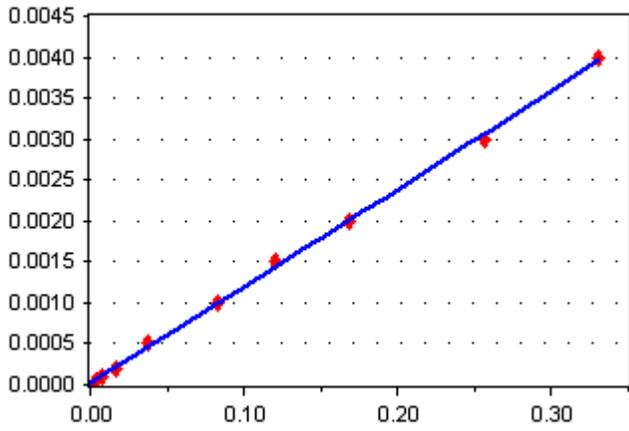
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

4-Methyl-2-Pentanone

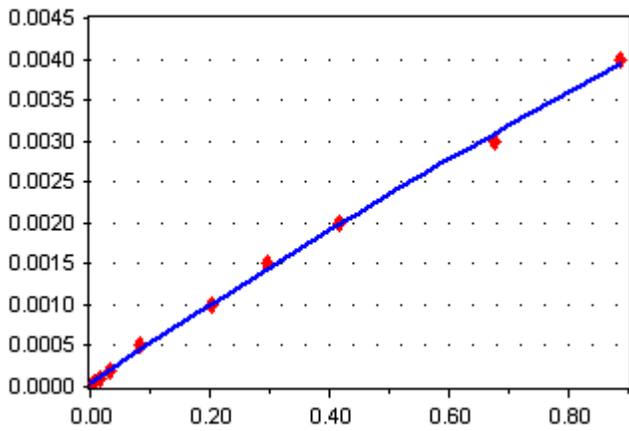
EPA 8260 D - 4-Methyl-2-Pentanone



Quadratic Regression
Not Specified
Not Specified

cis-1,3-Dichloropropene

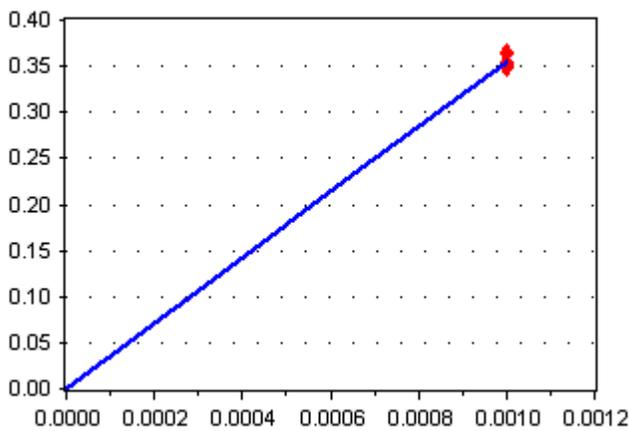
EPA 8260 D - cis-1,3-Dichloropropene



Quadratic Regression
Not Specified
Not Specified

1,2-Dichloroethane-d4

EPA 8260 D - 1,2-Dichloroethane-d4



Average RF
RF RSD: 1.92847
[Conc] = 355.298 * [Response]

Instrument: ChemStation05
Calibration ID: L404002

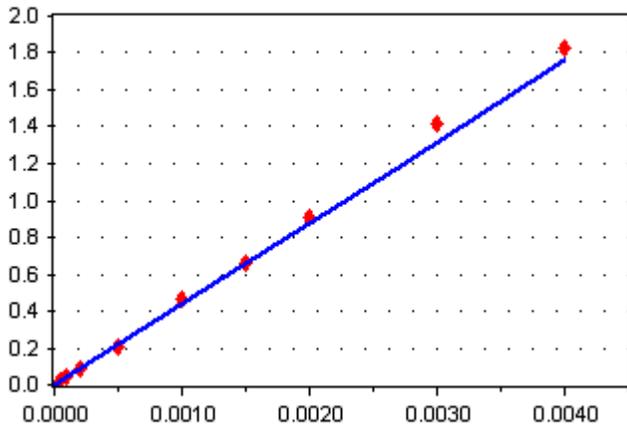
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Toluene

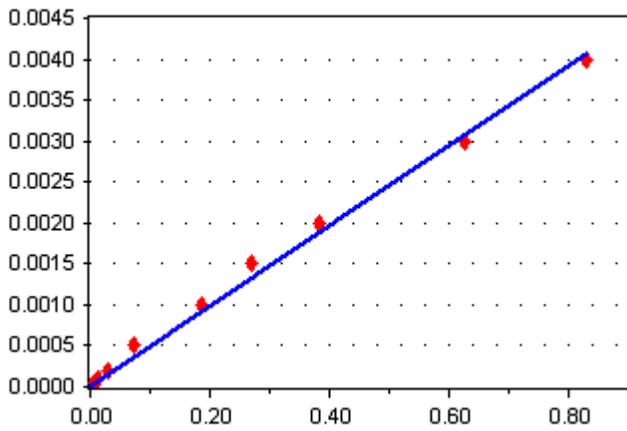
EPA 8260 D - Toluene



Average RF
RF RSD: 5.288249
[Conc] = 439.4 * [Response]

trans-1,3-Dichloropropene

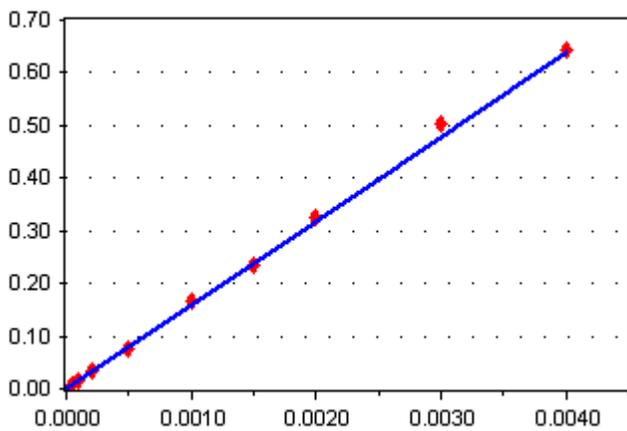
EPA 8260 D - trans-1,3-Dichloropropene



Not Specified
Not Specified
Not Specified

1,1,2-Trichloroethane

EPA 8260 D - 1,1,2-Trichloroethane

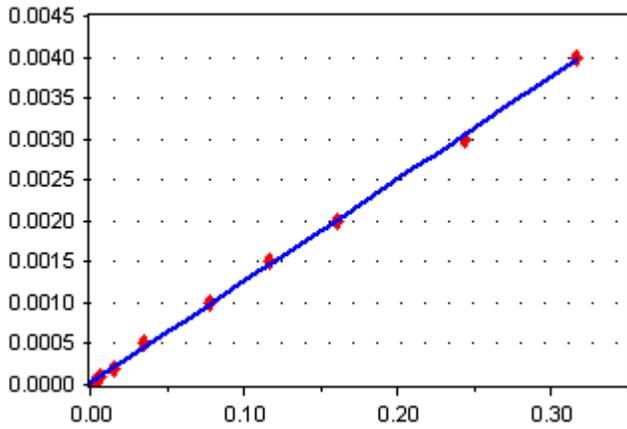


Average RF
RF RSD: 3.806164
[Conc] = 159.3938 * [Response]

EPA 8260 D

Methyl Butyl Ketone (2-Hexanone)

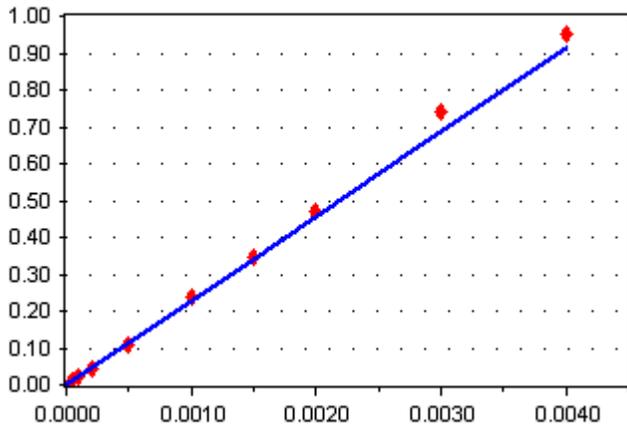
EPA 8260 D - Methyl Butyl Ketone (2-Hexanone)



Quadratic Regression
Not Specified
Not Specified

1,3-Dichloropropane

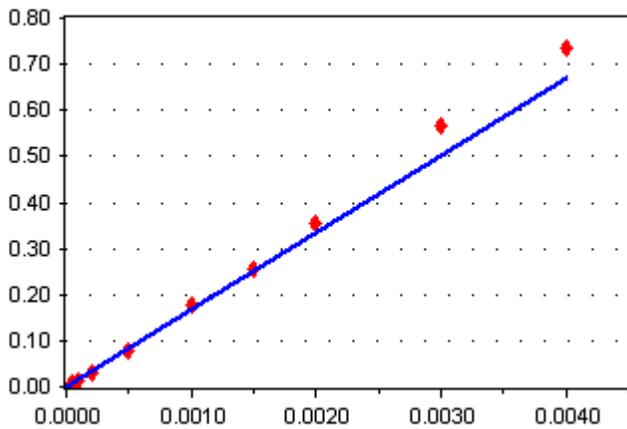
EPA 8260 D - 1,3-Dichloropropane



Average RF
RF RSD: 5.678216
[Conc] = 228.0617 * [Response]

Dibromochloromethane

EPA 8260 D - Dibromochloromethane



Average RF
RF RSD: 8.847185
[Conc] = 167.6514 * [Response]

Instrument: ChemStation05
Calibration ID: L404002

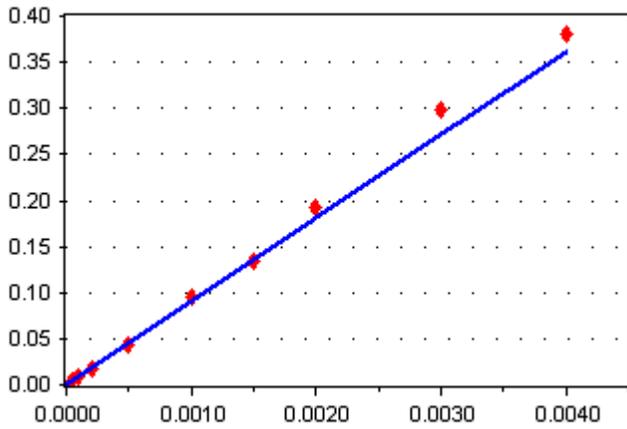
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Tetrachloroethene

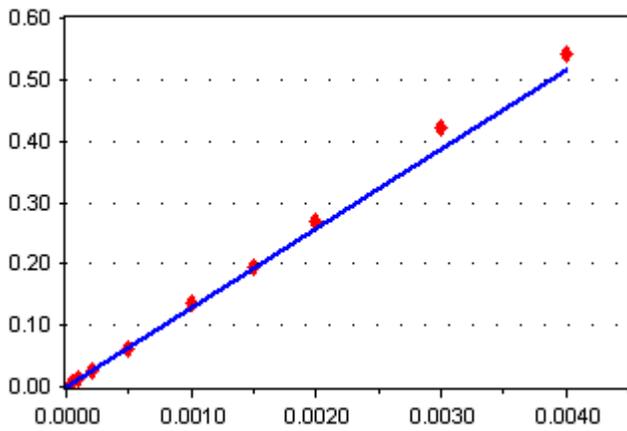
EPA 8260 D - Tetrachloroethene



Average RF
RF RSD: 7.511255
[Conc] = 90.53768 * [Response]

1,2-Dibromoethane

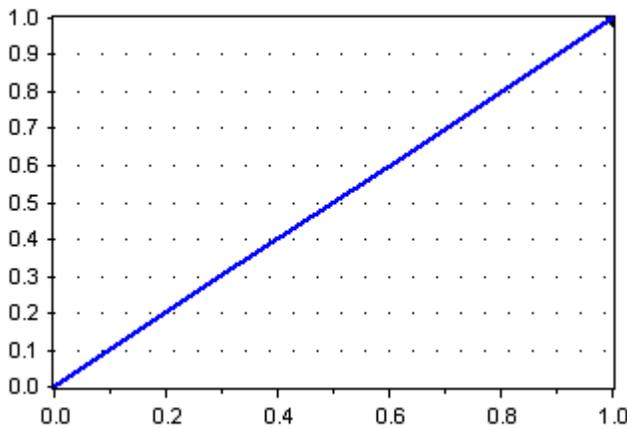
EPA 8260 D - 1,2-Dibromoethane



Average RF
RF RSD: 6.49653
[Conc] = 128.808 * [Response]

Chlorobenzene-d5

EPA 8260 D - Chlorobenzene-d5

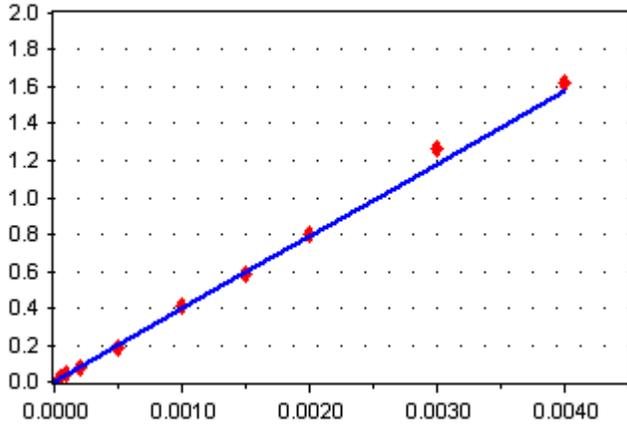


Average RF
RF RSD: 0
[Conc] = 1 * [Response]

EPA 8260 D

Chlorobenzene

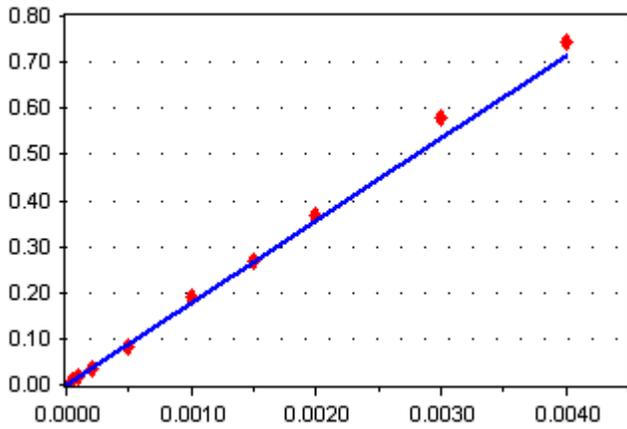
EPA 8260 D - Chlorobenzene



Average RF
RF RSD: 5.104799
[Conc] = 393.8092 * [Response]

1,1,1,2-Tetrachloroethane

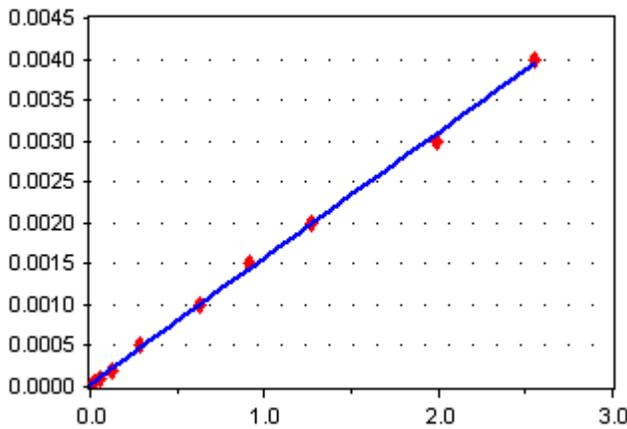
EPA 8260 D - 1,1,1,2-Tetrachloroethane



Average RF
RF RSD: 6.890385
[Conc] = 177.9296 * [Response]

Ethylbenzene

EPA 8260 D - Ethylbenzene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

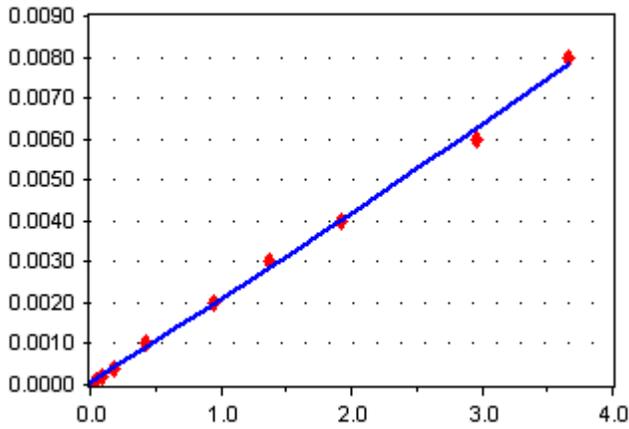
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

m,p-Xylenes

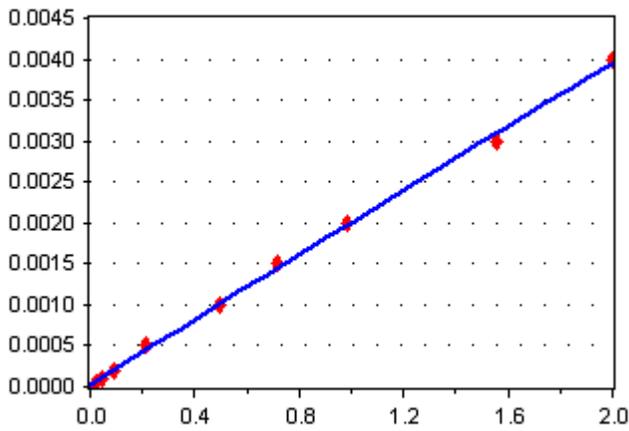
EPA 8260 D - m,p-Xylenes



Quadratic Regression
Not Specified
Not Specified

Styrene

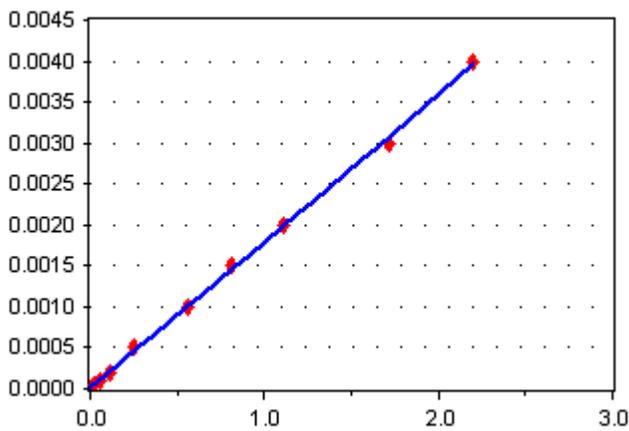
EPA 8260 D - Styrene



Quadratic Regression
Not Specified
Not Specified

o-Xylene

EPA 8260 D - o-Xylene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

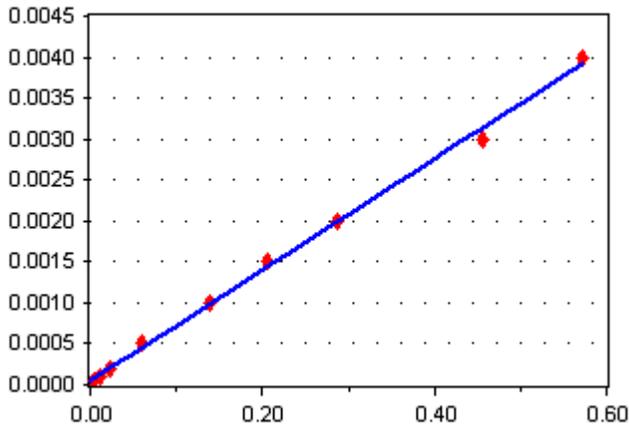
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

Bromoform

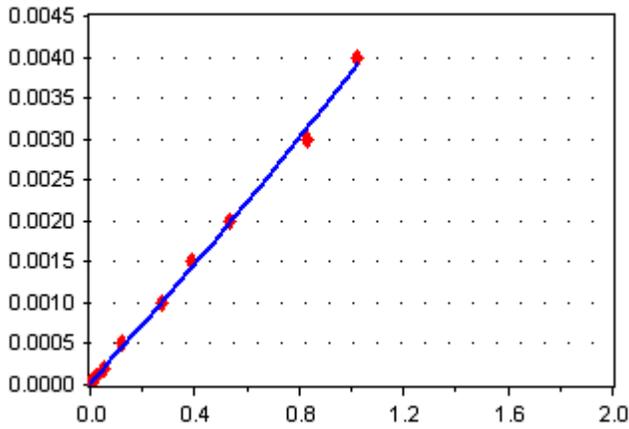
EPA 8260 D - Bromoform



Quadratic Regression
Not Specified
Not Specified

1,1,2,2-Tetrachloroethane

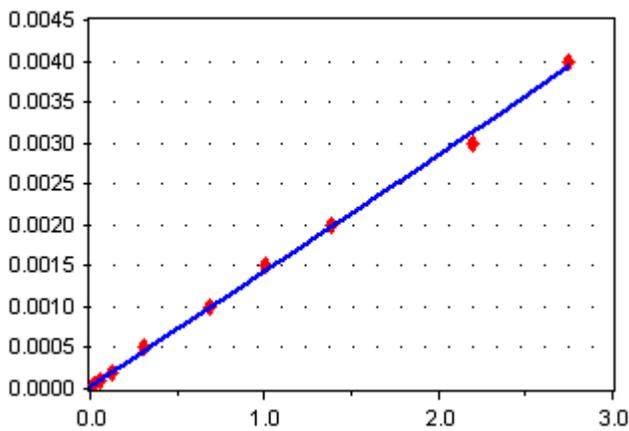
EPA 8260 D - 1,1,2,2-Tetrachloroethane



Quadratic Regression
Not Specified
Not Specified

Isopropylbenzene (Cumene)

EPA 8260 D - Isopropylbenzene (Cumene)



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

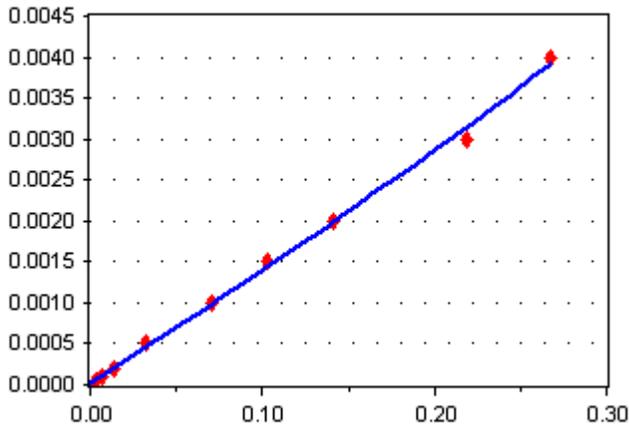
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

1,2,3-Trichloropropane

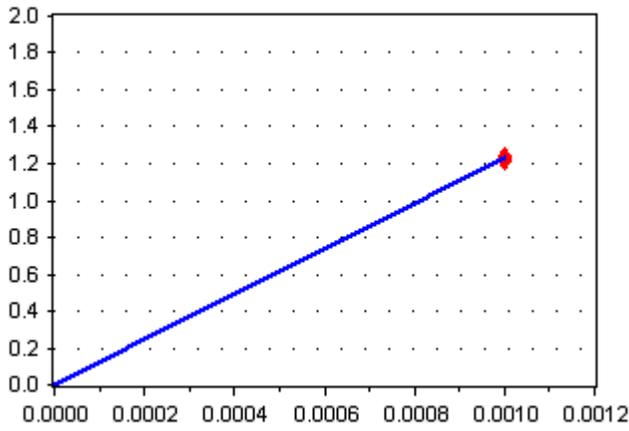
EPA 8260 D - 1,2,3-Trichloropropane



Quadratic Regression
Not Specified
Not Specified

Toluene-d8

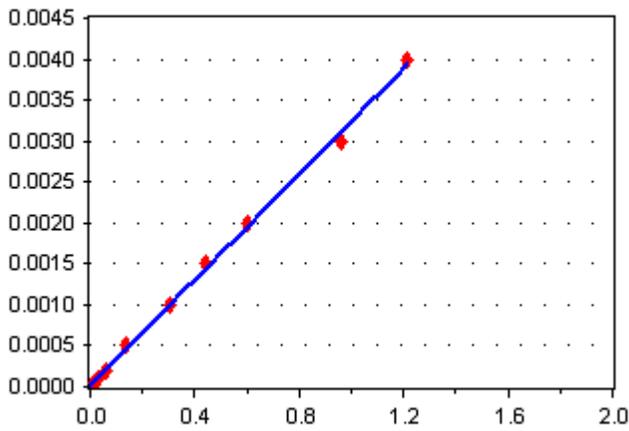
EPA 8260 D - Toluene-d8



Average RF
RF RSD: 0.9137786
[Conc] = 1230.674 * [Response]

Bromobenzene

EPA 8260 D - Bromobenzene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

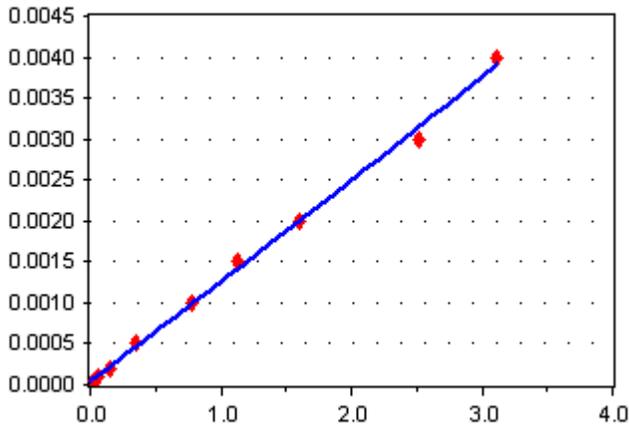
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

n-Propylbenzene

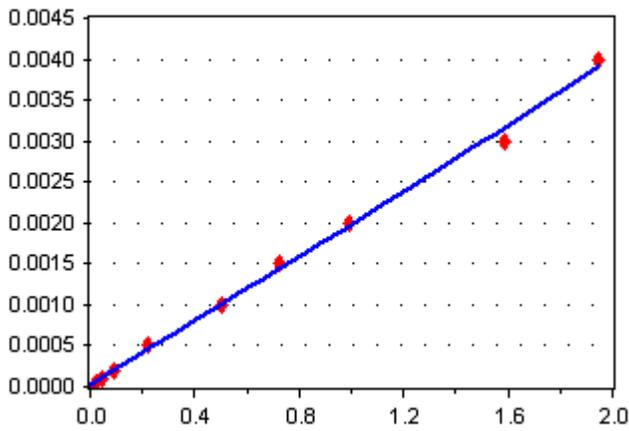
EPA 8260 D - n-Propylbenzene



Quadratic Regression
Not Specified
Not Specified

2-Chlorotoluene

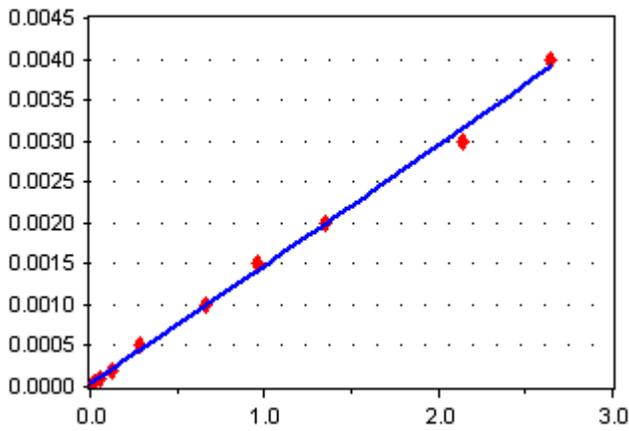
EPA 8260 D - 2-Chlorotoluene



Quadratic Regression
Not Specified
Not Specified

4-Ethyltoluene

EPA 8260 D - 4-Ethyltoluene

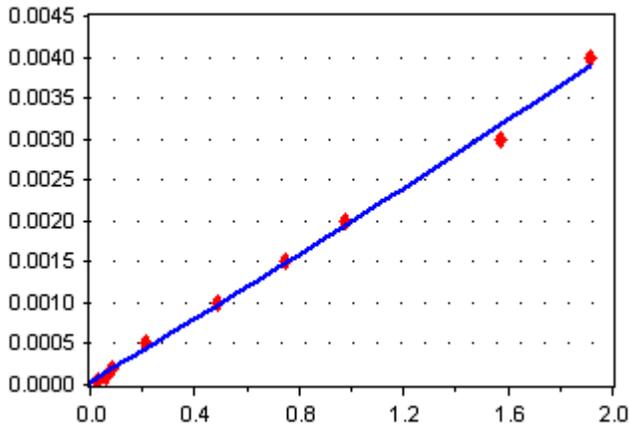


Quadratic Regression
Not Specified
Not Specified

EPA 8260 D

4-Chlorotoluene

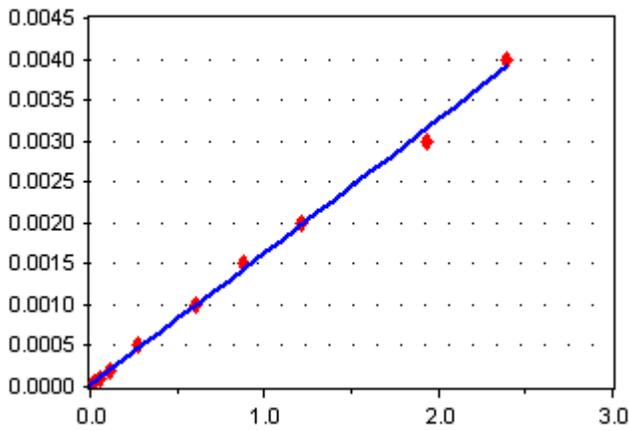
EPA 8260 D - 4-Chlorotoluene



Quadratic Regression
Not Specified
Not Specified

1,3,5-Trimethylbenzene

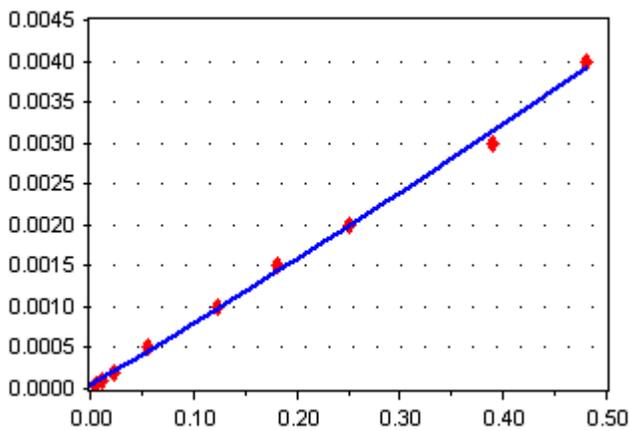
EPA 8260 D - 1,3,5-Trimethylbenzene



Quadratic Regression
Not Specified
Not Specified

tert-Butylbenzene

EPA 8260 D - tert-Butylbenzene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

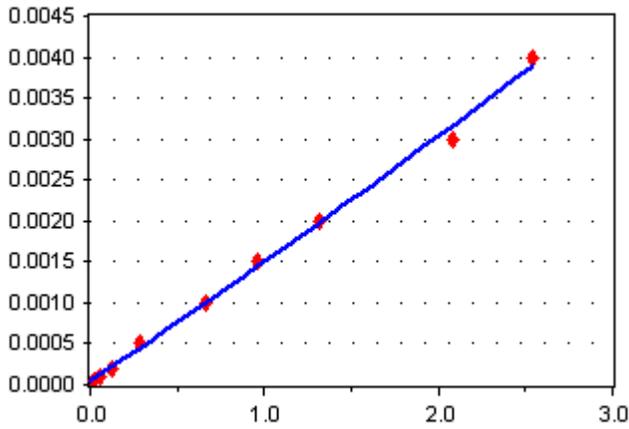
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

1,2,4-Trimethylbenzene

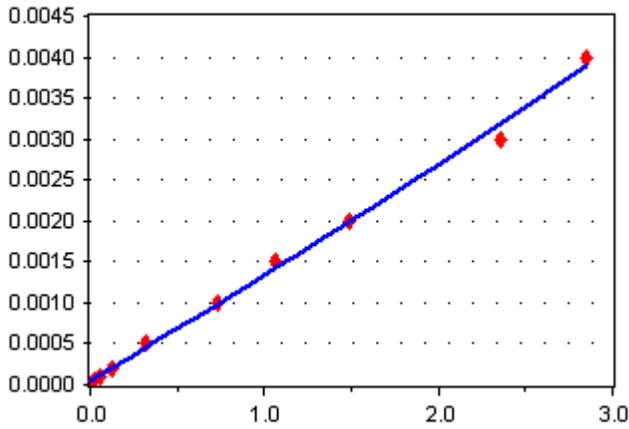
EPA 8260 D - 1,2,4-Trimethylbenzene



Quadratic Regression
Not Specified
Not Specified

sec-Butylbenzene

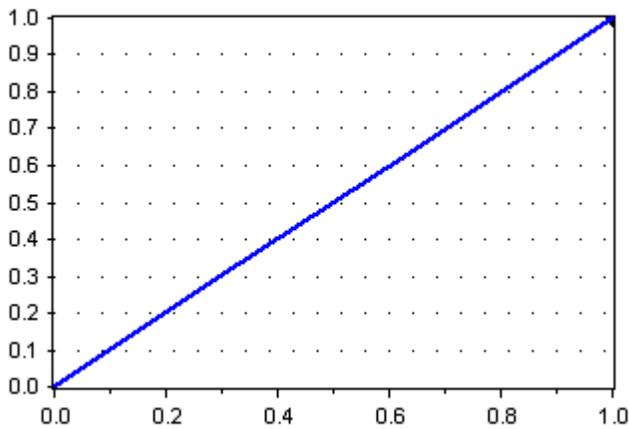
EPA 8260 D - sec-Butylbenzene



Quadratic Regression
Not Specified
Not Specified

1,4-Dichlorobenzene-d4

EPA 8260 D - 1,4-Dichlorobenzene-d4



Average RF
RF RSD: 0
[Conc] = 1 * [Response]

Instrument: ChemStation05
Calibration ID: L404002

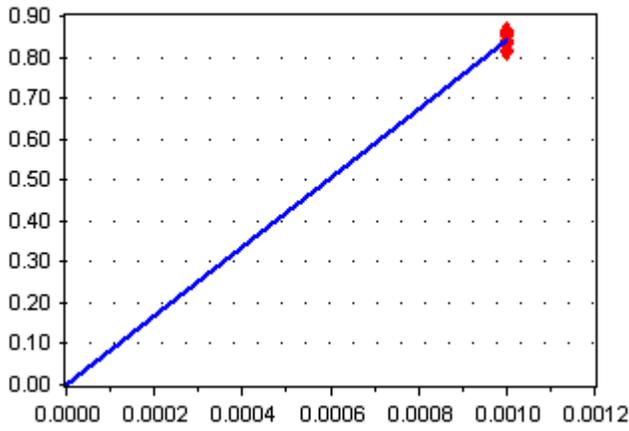
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

4-Bromofluorobenzene

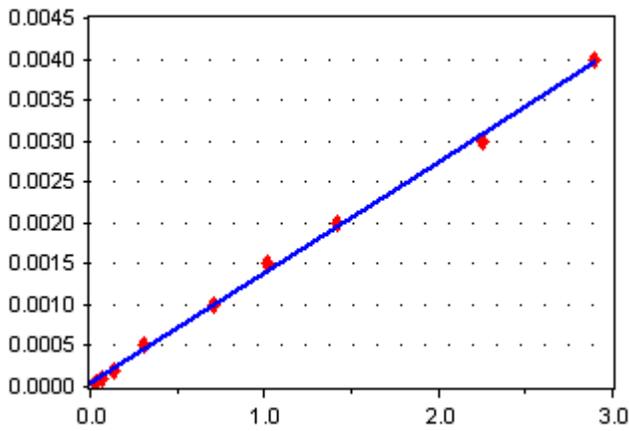
EPA 8260 D - 4-Bromofluorobenzene



Average RF
RF RSD: 2.222776
[Conc] = 841.5663 * [Response]

1,3-Dichlorobenzene

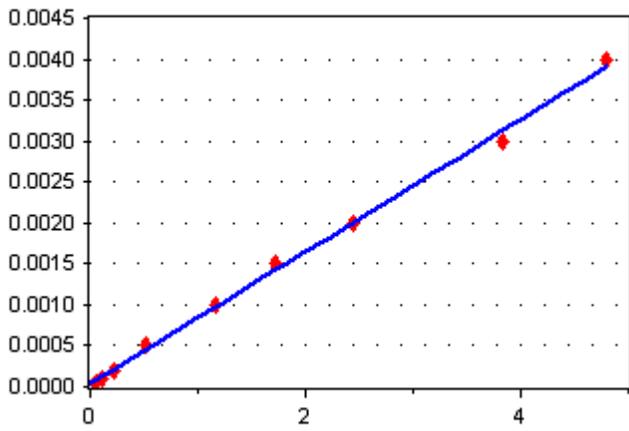
EPA 8260 D - 1,3-Dichlorobenzene



Linear Regression
r2: 0.9985648
[Conc] = 1.355144E-03 * [Response] + 3.839792E-05

4-Isopropyltoluene

EPA 8260 D - 4-Isopropyltoluene



Quadratic Regression
Not Specified
Not Specified

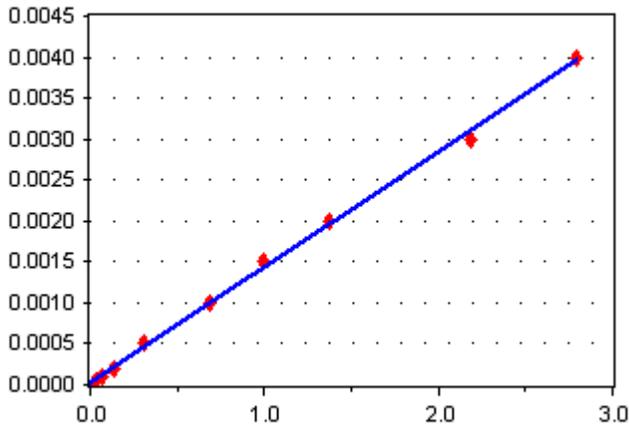
Instrument: ChemStation05
 Calibration ID: L404002

Calibration Date: 11/30/2023 14:51 By JN
 Last Edit Date: 01/25/2024 15:15 By MDV

EPA 8260 D

1,4-Dichlorobenzene

EPA 8260 D - 1,4-Dichlorobenzene



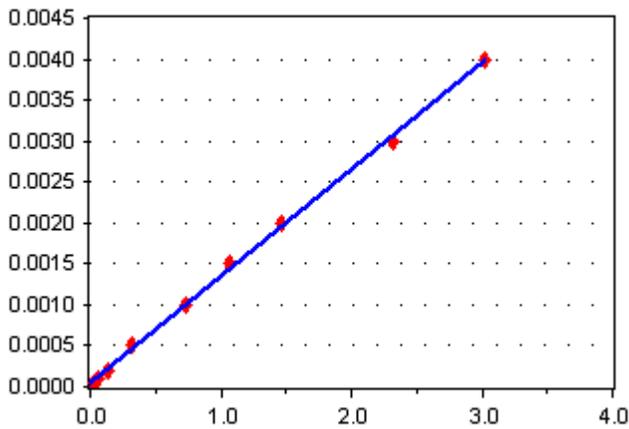
Linear Regression

r²: 0.9986374

$$[\text{Conc}] = 1.403494\text{E-}03 * [\text{Response}] + 3.475747\text{E-}05$$

1,2-Dichlorobenzene

EPA 8260 D - 1,2-Dichlorobenzene



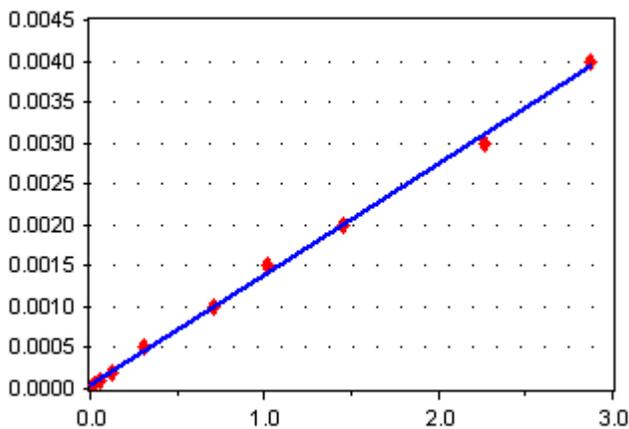
Linear Regression

r²: 0.9988681

$$[\text{Conc}] = 1.307545\text{E-}03 * [\text{Response}] + 4.011948\text{E-}05$$

1,4-Diethylbenzene

EPA 8260 D - 1,4-Diethylbenzene



Linear Regression

r²: 0.9982679

$$[\text{Conc}] = 1.354547\text{E-}03 * [\text{Response}] + 4.129167\text{E-}05$$

Instrument: ChemStation05
 Calibration ID: L404002

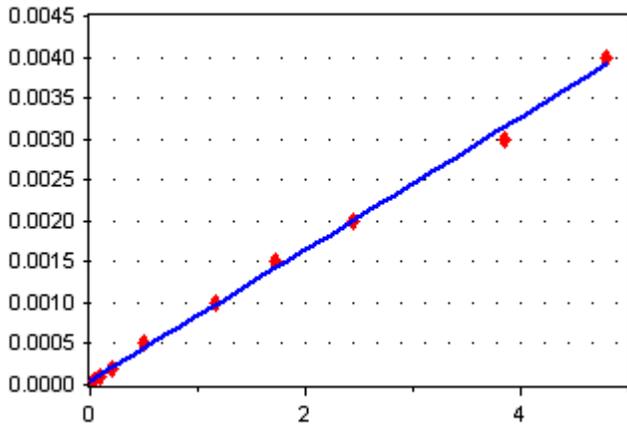
Calibration Date:
 Last Edit Date:

11/30/2023 14:51 By JN
 01/25/2024 15:15 By MDV

EPA 8260 D

n-Butylbenzene

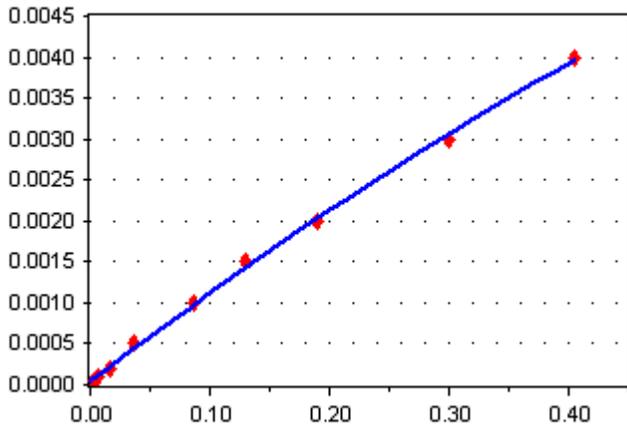
EPA 8260 D - n-Butylbenzene



Quadratic Regression
 Not Specified
 Not Specified

1,2-Dibromo-3-chloropropane

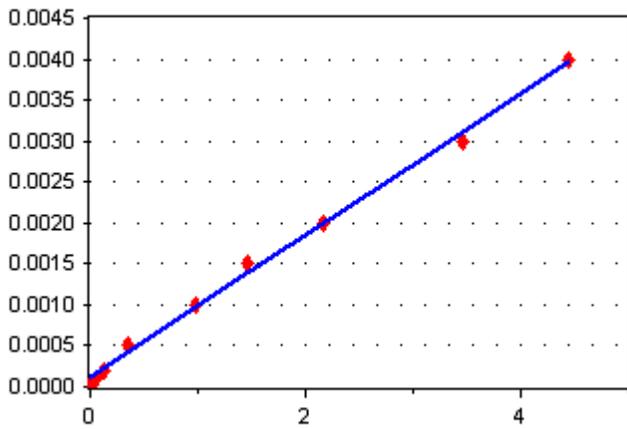
EPA 8260 D - 1,2-Dibromo-3-chloropropane



Quadratic Regression
 Not Specified
 Not Specified

1,2,4,5-Tetramethylbenzene

EPA 8260 D - 1,2,4,5-Tetramethylbenzene



Linear Regression
 $r^2: 0.9970872$
 $[Conc] = 8.664976E-04 * [Response] + 1.151273E-04$

Instrument: ChemStation05
Calibration ID: L404002

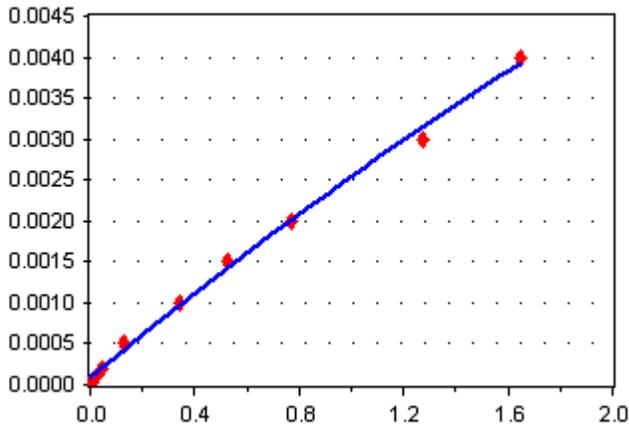
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

1,2,4-Trichlorobenzene

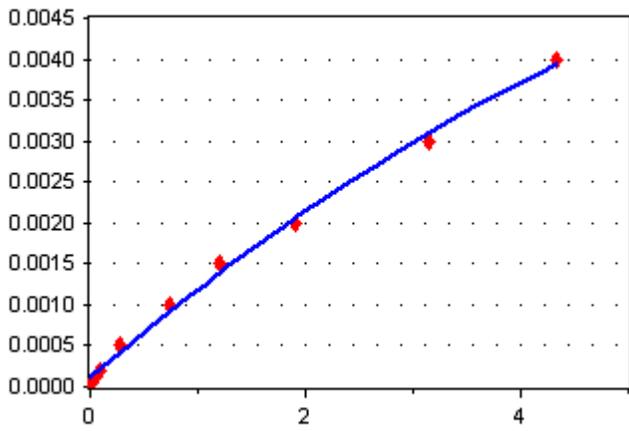
EPA 8260 D - 1,2,4-Trichlorobenzene



Quadratic Regression
Not Specified
Not Specified

Naphthalene

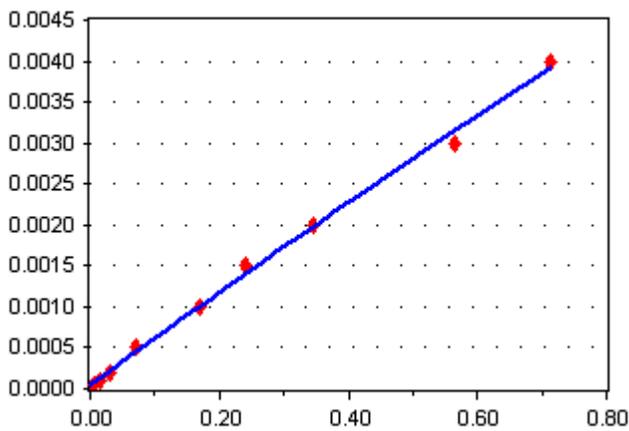
EPA 8260 D - Naphthalene



Quadratic Regression
Not Specified
Not Specified

Hexachlorobutadiene

EPA 8260 D - Hexachlorobutadiene



Quadratic Regression
Not Specified
Not Specified

Instrument: ChemStation05
Calibration ID: L404002

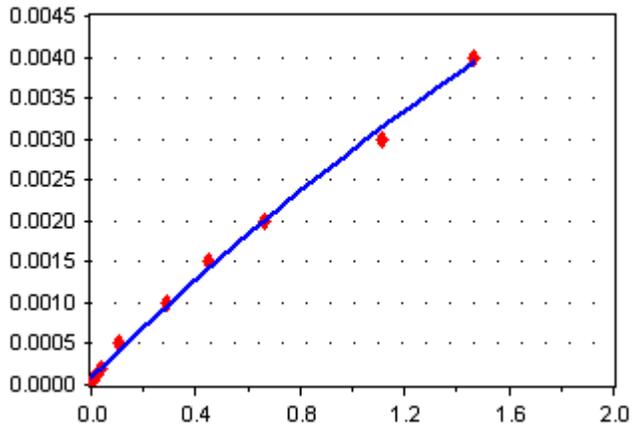
Calibration Date:
Last Edit Date:

11/30/2023 14:51 By JN
01/25/2024 15:15 By MDV

EPA 8260 D

1,2,3-Trichlorobenzene

EPA 8260 D - 1,2,3-Trichlorobenzene



Quadratic Regression

Not Specified

Not Specified



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

VOLATILES QC DATA

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-BLK1 File ID: B348197-BLK1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 13:34
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	0.500	U
75-45-6	Chlorodifluoromethane	0.500	U
74-87-3	Chloromethane	0.500	U
75-01-4	Vinyl chloride	0.500	U
74-83-9	Bromomethane	0.500	U
75-00-3	Chloroethane	0.500	U
75-69-4	Trichlorofluoromethane	0.500	U
107-02-8	Acrolein	1.03	D
67-64-1	Acetone	1.00	U
75-35-4	1,1-Dichloroethene	0.500	U
75-65-0	tert-Butyl alcohol	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.500	U
79-20-9	Methyl Acetate	0.500	U
107-13-1	Acrylonitrile	0.500	U
75-09-2	Methylene Chloride	0.690	D
75-15-0	Carbon disulfide	0.730	D
1634-04-4	Methyl-tert-Butyl Ether	0.500	U
156-60-5	trans-1,2-Dichloroethene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
108-05-4	Vinyl Acetate	0.500	U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.00	U
156-59-2	cis-1,2-Dichloroethene	0.500	U
594-20-7	2,2-Dichloropropane	0.500	U
74-97-5	Bromochloromethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	B348197-BLK1
		File ID:	B348197-BLK1.D
Sampled:		Prepared:	12/01/23 10:38
		Analyzed:	12/01/23 13:34
Solids:		Preparation:	EPA 5030 C
Dilution:			
Batch:	B348197	Sequence:	S348056
		Calibration:	UNASSIGNED
Instrument:			ChemStation05
Column:	1		

CAS NO.	COMPOUND	CONC. (ug/L)	Q
67-66-3	Chloroform	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	U
107-06-2	1,2-Dichloroethane	0.500	U
563-58-6	1,1-Dichloropropene	0.500	U
56-23-5	Carbon Tetrachloride	0.500	U
71-43-2	Benzene	0.500	U
79-01-6	Trichloroethene	0.500	U
78-87-5	1,2-Dichloropropane	0.500	U
74-95-3	Dibromomethane	0.500	U
123-91-1	1,4-Dioxane	10.0	U
75-27-4	Bromodichloromethane	0.500	U
110-75-8	2-Chloroethyl Vinyl Ether	0.500	U
108-10-1	4-Methyl-2-Pentanone	1.09	D
10061-01-5	cis-1,3-Dichloropropene	0.500	U
108-88-3	Toluene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
591-78-6	Methyl Butyl Ketone (2-Hexanone)	1.43	D
142-28-9	1,3-Dichloropropane	0.500	U
124-48-1	Dibromochloromethane	0.500	U
127-18-4	Tetrachloroethene	0.500	U
106-93-4	1,2-Dibromoethane	0.500	U
108-90-7	Chlorobenzene	0.500	U
630-20-6	1,1,1,2-Tetrachloroethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-BLK1 File ID: B348197-BLK1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 13:34
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
100-41-4	Ethylbenzene	0.500	U
108-38-3/106-42-3	m,p-Xylenes	1.47	D
100-42-5	Styrene	0.500	U
95-47-6	o-Xylene	0.500	U
75-25-2	Bromoform	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U
98-82-8	Isopropylbenzene (Cumene)	0.500	U
96-18-4	1,2,3-Trichloropropane	0.500	U
108-86-1	Bromobenzene	0.600	D
103-65-1	n-Propylbenzene	0.690	D
95-49-8	2-Chlorotoluene	1.36	D
622-96-8	4-Ethyltoluene	0.710	D
106-43-4	4-Chlorotoluene	1.31	D
108-67-8	1,3,5-Trimethylbenzene	0.500	U
98-06-6	tert-Butylbenzene	0.630	D
95-63-6	1,2,4-Trimethylbenzene	0.550	D
135-98-8	sec-Butylbenzene	0.640	D
541-73-1	1,3-Dichlorobenzene	1.16	D
99-87-6	4-Isopropyltoluene	0.880	D
106-46-7	1,4-Dichlorobenzene	1.35	D
95-50-1	1,2-Dichlorobenzene	1.05	D
105-05-5	1,4-Diethylbenzene	1.26	D
104-51-8	n-Butylbenzene	1.42	D
96-12-8	1,2-Dibromo-3-chloropropane	1.32	D



1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Matrix: Non-Potable Water Laboratory ID: B348197-BLK1 File ID: B348197-BLK1.D
Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 13:34
Solids: Preparation: EPA 5030 C Dilution:
Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
95-93-2	1,2,4,5-Tetramethylbenzene	0.690	D
120-82-1	1,2,4-Trichlorobenzene	2.66	D
91-20-3	Naphthalene	7.20	4.C, D
87-68-3	Hexachlorobutadiene	1.99	D
87-61-6	1,2,3-Trichlorobenzene	3.05	D

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-BS1 File ID: B348197-BS1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 11:55
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	45.3	D
75-45-6	Chlorodifluoromethane	45.5	D
74-87-3	Chloromethane	47.7	D
75-01-4	Vinyl chloride	45.1	D
74-83-9	Bromomethane	50.6	D
75-00-3	Chloroethane	45.7	D
75-69-4	Trichlorofluoromethane	43.8	D
107-02-8	Acrolein	52.2	D, B
67-64-1	Acetone	53.8	D
75-35-4	1,1-Dichloroethene	45.6	D
75-65-0	tert-Butyl alcohol	47.3	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	45.4	D
79-20-9	Methyl Acetate	54.4	D
107-13-1	Acrylonitrile	53.2	D
75-09-2	Methylene Chloride	44.8	D, B
75-15-0	Carbon disulfide	44.3	D, B
1634-04-4	Methyl-tert-Butyl Ether	49.5	D
156-60-5	trans-1,2-Dichloroethene	45.7	D
75-34-3	1,1-Dichloroethane	46.5	D
108-05-4	Vinyl Acetate	47.2	D
78-93-3	Methyl Ethyl Ketone (2-Butanone)	55.8	D
156-59-2	cis-1,2-Dichloroethene	45.7	D
594-20-7	2,2-Dichloropropane	50.5	D
74-97-5	Bromochloromethane	46.7	D

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-BS1 File ID: B348197-BS1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 11:55
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
67-66-3	Chloroform	47.3	D
71-55-6	1,1,1-Trichloroethane	46.1	D
107-06-2	1,2-Dichloroethane	47.5	D
563-58-6	1,1-Dichloropropene	46.1	D
56-23-5	Carbon Tetrachloride	44.8	D
71-43-2	Benzene	45.2	D
79-01-6	Trichloroethene	46.6	D
78-87-5	1,2-Dichloropropane	46.8	D
74-95-3	Dibromomethane	48.7	D
123-91-1	1,4-Dioxane	800	4.M, D
75-27-4	Bromodichloromethane	46.7	D
110-75-8	2-Chloroethyl Vinyl Ether	54.0	D
108-10-1	4-Methyl-2-Pentanone	57.6	D, B
10061-01-5	cis-1,3-Dichloropropene	49.2	D
108-88-3	Toluene	46.7	D
10061-02-6	trans-1,3-Dichloropropene	50.8	D
79-00-5	1,1,2-Trichloroethane	50.1	D
591-78-6	Methyl Butyl Ketone (2-Hexanone)	59.5	D, B
142-28-9	1,3-Dichloropropane	48.4	D
124-48-1	Dibromochloromethane	50.2	D
127-18-4	Tetrachloroethene	46.4	D
106-93-4	1,2-Dibromoethane	48.8	D
108-90-7	Chlorobenzene	47.1	D
630-20-6	1,1,1,2-Tetrachloroethane	47.3	D

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	B348197-BS1
		File ID:	B348197-BS1.D
Sampled:		Prepared:	12/01/23 10:38
		Analyzed:	12/01/23 11:55
Solids:		Preparation:	EPA 5030 C
		Dilution:	
Batch:	B348197	Sequence:	S348056
		Calibration:	UNASSIGNED
		Instrument:	ChemStation05
Column:	1		

CAS NO.	COMPOUND	CONC. (ug/L)	Q
100-41-4	Ethylbenzene	46.6	D
108-38-3/106-42-3	m,p-Xylenes	97.0	D
100-42-5	Styrene	46.9	D
95-47-6	o-Xylene	47.7	D
75-25-2	Bromoform	52.3	D
79-34-5	1,1,2,2-Tetrachloroethane	54.0	D
98-82-8	Isopropylbenzene (Cumene)	47.7	D
96-18-4	1,2,3-Trichloropropane	55.6	D
108-86-1	Bromobenzene	47.5	D
103-65-1	n-Propylbenzene	47.4	D, B
95-49-8	2-Chlorotoluene	48.1	D, B
622-96-8	4-Ethyltoluene	47.8	D, B
106-43-4	4-Chlorotoluene	47.8	D, B
108-67-8	1,3,5-Trimethylbenzene	47.9	D
98-06-6	tert-Butylbenzene	49.6	D, B
95-63-6	1,2,4-Trimethylbenzene	48.0	D, B
135-98-8	sec-Butylbenzene	48.5	D, B
541-73-1	1,3-Dichlorobenzene	47.2	D, B
99-87-6	4-Isopropyltoluene	47.9	D, B
106-46-7	1,4-Dichlorobenzene	47.6	D, B
95-50-1	1,2-Dichlorobenzene	48.2	D, B
105-05-5	1,4-Diethylbenzene	48.8	D, B
104-51-8	n-Butylbenzene	48.7	D, B
96-12-8	1,2-Dibromo-3-chloropropane	61.3	D, B

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-BS1 File ID: B348197-BS1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 11:55
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
95-93-2	1,2,4,5-Tetramethylbenzene	50.2	D, B
120-82-1	1,2,4-Trichlorobenzene	52.0	D, B
91-20-3	Naphthalene	59.7	D, B
87-68-3	Hexachlorobutadiene	52.2	D, B
87-61-6	1,2,3-Trichlorobenzene	54.7	D, B

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-MS1 File ID: B348197-MS1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 12:20
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	54.1	D
75-45-6	Chlorodifluoromethane	53.1	D
74-87-3	Chloromethane	53.2	D
75-01-4	Vinyl chloride	53.1	D
74-83-9	Bromomethane	50.8	D
75-00-3	Chloroethane	51.3	D
75-69-4	Trichlorofluoromethane	53.7	D
107-02-8	Acrolein	54.2	D, B
67-64-1	Acetone	50.5	D
75-35-4	1,1-Dichloroethene	52.2	D
75-65-0	tert-Butyl alcohol	47.0	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	54.4	D
79-20-9	Methyl Acetate	51.6	D
107-13-1	Acrylonitrile	50.4	D
75-09-2	Methylene Chloride	46.2	D, B
75-15-0	Carbon disulfide	48.4	D, B
1634-04-4	Methyl-tert-Butyl Ether	47.9	D
156-60-5	trans-1,2-Dichloroethene	48.2	D
75-34-3	1,1-Dichloroethane	49.4	D
108-05-4	Vinyl Acetate	48.2	D
78-93-3	Methyl Ethyl Ketone (2-Butanone)	55.6	D
156-59-2	cis-1,2-Dichloroethene	48.2	D
594-20-7	2,2-Dichloropropane	55.4	D
74-97-5	Bromochloromethane	48.2	D

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	B348197-MS1
		File ID:	B348197-MS1.D
Sampled:		Prepared:	12/01/23 10:38
		Analyzed:	12/01/23 12:20
Solids:		Preparation:	EPA 5030 C
		Dilution:	
Batch:	B348197	Sequence:	S348056
		Calibration:	UNASSIGNED
		Instrument:	ChemStation05
Column:	1		

CAS NO.	COMPOUND	CONC. (ug/L)	Q
67-66-3	Chloroform	49.8	D
71-55-6	1,1,1-Trichloroethane	51.8	D
107-06-2	1,2-Dichloroethane	48.5	D
563-58-6	1,1-Dichloropropene	52.2	D
56-23-5	Carbon Tetrachloride	52.3	D
71-43-2	Benzene	48.5	D
79-01-6	Trichloroethene	50.3	D
78-87-5	1,2-Dichloropropane	48.6	D
74-95-3	Dibromomethane	49.5	D
123-91-1	1,4-Dioxane	616	D
75-27-4	Bromodichloromethane	48.0	D
110-75-8	2-Chloroethyl Vinyl Ether	52.4	D
108-10-1	4-Methyl-2-Pentanone	56.8	D, B
10061-01-5	cis-1,3-Dichloropropene	48.6	D
108-88-3	Toluene	50.0	D
10061-02-6	trans-1,3-Dichloropropene	49.6	D
79-00-5	1,1,2-Trichloroethane	51.4	D
591-78-6	Methyl Butyl Ketone (2-Hexanone)	57.2	D, B
142-28-9	1,3-Dichloropropane	47.9	D
124-48-1	Dibromochloromethane	50.3	D
127-18-4	Tetrachloroethene	52.0	D
106-93-4	1,2-Dibromoethane	48.7	D
108-90-7	Chlorobenzene	49.6	D
630-20-6	1,1,1,2-Tetrachloroethane	49.0	D

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-MS1 File ID: B348197-MS1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 12:20
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
100-41-4	Ethylbenzene	50.9	D
108-38-3/106-42-3	m,p-Xylenes	105	D, B
100-42-5	Styrene	49.5	D
95-47-6	o-Xylene	50.8	D
75-25-2	Bromoform	52.4	D
79-34-5	1,1,2,2-Tetrachloroethane	54.2	D
98-82-8	Isopropylbenzene (Cumene)	52.7	D
96-18-4	1,2,3-Trichloropropane	54.1	D
108-86-1	Bromobenzene	49.1	D, B
103-65-1	n-Propylbenzene	52.6	D, B
95-49-8	2-Chlorotoluene	51.5	D, B
622-96-8	4-Ethyltoluene	52.1	D, B
106-43-4	4-Chlorotoluene	51.4	D, B
108-67-8	1,3,5-Trimethylbenzene	51.9	D
98-06-6	tert-Butylbenzene	54.4	D, B
95-63-6	1,2,4-Trimethylbenzene	51.8	D, B
135-98-8	sec-Butylbenzene	54.4	D, B
541-73-1	1,3-Dichlorobenzene	49.7	D, B
99-87-6	4-Isopropyltoluene	52.9	D, B
106-46-7	1,4-Dichlorobenzene	49.7	D, B
95-50-1	1,2-Dichlorobenzene	49.0	D, B
105-05-5	1,4-Diethylbenzene	53.3	D, B
104-51-8	n-Butylbenzene	52.9	D, B
96-12-8	1,2-Dibromo-3-chloropropane	59.2	D, B

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-MS1 File ID: B348197-MS1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 12:20
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
95-93-2	1,2,4,5-Tetramethylbenzene	51.0	D, B
120-82-1	1,2,4-Trichlorobenzene	54.1	D, B
91-20-3	Naphthalene	63.0	4.G, D, B
87-68-3	Hexachlorobutadiene	55.0	D, B
87-61-6	1,2,3-Trichlorobenzene	56.5	D, B

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-MSD1 File ID: B348197-MSD1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 12:45
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	54.5	D
75-45-6	Chlorodifluoromethane	53.0	D
74-87-3	Chloromethane	53.1	D
75-01-4	Vinyl chloride	52.7	D
74-83-9	Bromomethane	50.4	D
75-00-3	Chloroethane	50.1	D
75-69-4	Trichlorofluoromethane	54.6	D
107-02-8	Acrolein	54.0	D, B
67-64-1	Acetone	52.3	D
75-35-4	1,1-Dichloroethene	52.6	D
75-65-0	tert-Butyl alcohol	48.8	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	55.0	D
79-20-9	Methyl Acetate	54.1	D
107-13-1	Acrylonitrile	51.9	D
75-09-2	Methylene Chloride	46.8	D, B
75-15-0	Carbon disulfide	49.9	D, B
1634-04-4	Methyl-tert-Butyl Ether	48.8	D
156-60-5	trans-1,2-Dichloroethene	49.0	D
75-34-3	1,1-Dichloroethane	50.2	D
108-05-4	Vinyl Acetate	49.7	D
78-93-3	Methyl Ethyl Ketone (2-Butanone)	51.4	D
156-59-2	cis-1,2-Dichloroethene	49.0	D
594-20-7	2,2-Dichloropropane	55.3	D
74-97-5	Bromochloromethane	48.1	D

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B348197-MSD1 File ID: B348197-MSD1.D
 Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 12:45
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
67-66-3	Chloroform	50.4	D
71-55-6	1,1,1-Trichloroethane	52.7	D
107-06-2	1,2-Dichloroethane	49.5	D
563-58-6	1,1-Dichloropropene	52.7	D
56-23-5	Carbon Tetrachloride	52.0	D
71-43-2	Benzene	49.0	D
79-01-6	Trichloroethene	51.4	D
78-87-5	1,2-Dichloropropane	49.6	D
74-95-3	Dibromomethane	49.3	D
123-91-1	1,4-Dioxane	779	4.G, 4.T, D
75-27-4	Bromodichloromethane	48.3	D
110-75-8	2-Chloroethyl Vinyl Ether	55.0	D
108-10-1	4-Methyl-2-Pentanone	58.5	D, B
10061-01-5	cis-1,3-Dichloropropene	51.0	D
108-88-3	Toluene	51.2	D
10061-02-6	trans-1,3-Dichloropropene	51.8	D
79-00-5	1,1,2-Trichloroethane	51.4	D
591-78-6	Methyl Butyl Ketone (2-Hexanone)	61.1	4.G, D, B
142-28-9	1,3-Dichloropropane	49.9	D
124-48-1	Dibromochloromethane	51.2	D
127-18-4	Tetrachloroethene	53.4	D
106-93-4	1,2-Dibromoethane	49.8	D
108-90-7	Chlorobenzene	50.5	D
630-20-6	1,1,1,2-Tetrachloroethane	50.2	D



1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
Client: Ranco Sand & Stone Corporation Project: Manorville NY
Matrix: Non-Potable Water Laboratory ID: B348197-MSD1 File ID: B348197-MSD1.D
Sampled: Prepared: 12/01/23 10:38 Analyzed: 12/01/23 12:45
Solids: Preparation: EPA 5030 C Dilution:
Batch: B348197 Sequence: S348056 Calibration: UNASSIGNED Instrument: ChemStation05
Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
100-41-4	Ethylbenzene	52.0	D
108-38-3/106-42-3	m,p-Xylenes	107	D, B
100-42-5	Styrene	49.9	D
95-47-6	o-Xylene	51.8	D
75-25-2	Bromoform	53.5	D
79-34-5	1,1,2,2-Tetrachloroethane	55.6	D
98-82-8	Isopropylbenzene (Cumene)	53.6	D
96-18-4	1,2,3-Trichloropropane	56.3	D
108-86-1	Bromobenzene	50.3	D, B
103-65-1	n-Propylbenzene	53.7	D, B
95-49-8	2-Chlorotoluene	52.7	D, B
622-96-8	4-Ethyltoluene	52.9	D, B
106-43-4	4-Chlorotoluene	54.5	D, B
108-67-8	1,3,5-Trimethylbenzene	52.1	D
98-06-6	tert-Butylbenzene	55.6	D, B
95-63-6	1,2,4-Trimethylbenzene	52.7	D, B
135-98-8	sec-Butylbenzene	55.0	D, B
541-73-1	1,3-Dichlorobenzene	51.5	D, B
99-87-6	4-Isopropyltoluene	53.9	D, B
106-46-7	1,4-Dichlorobenzene	51.2	D, B
95-50-1	1,2-Dichlorobenzene	51.8	D, B
105-05-5	1,4-Diethylbenzene	54.6	D, B
104-51-8	n-Butylbenzene	55.5	D, B
96-12-8	1,2-Dibromo-3-chloropropane	62.5	D, B

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Long Island Analytical Laboratories, Inc.			Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY		
Matrix:	Non-Potable Water	Laboratory ID:	B348197-MSD1	File ID:	B348197-MSD1.D
Sampled:		Prepared:	12/01/23 10:38	Analyzed:	12/01/23 12:45
Solids:		Preparation:	EPA 5030 C	Dilution:	
Batch:	B348197	Sequence:	S348056	Calibration:	UNASSIGNED
Column:	1			Instrument:	ChemStation05

CAS NO.	COMPOUND	CONC. (ug/L)	Q
95-93-2	1,2,4,5-Tetramethylbenzene	53.7	D, B
120-82-1	1,2,4-Trichlorobenzene	57.2	D, B
91-20-3	Naphthalene	67.8	4.G, D, B
87-68-3	Hexachlorobutadiene	57.6	D, B
87-61-6	1,2,3-Trichlorobenzene	58.8	D, B

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-BLK1 File ID: B349008-BLK2.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 14:03
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	0.500	U
75-45-6	Chlorodifluoromethane	0.500	U
74-87-3	Chloromethane	0.500	U
75-01-4	Vinyl chloride	0.500	U
74-83-9	Bromomethane	0.500	U
75-00-3	Chloroethane	0.500	U
75-69-4	Trichlorofluoromethane	0.500	U
107-02-8	Acrolein	0.500	U
67-64-1	Acetone	1.00	U
75-35-4	1,1-Dichloroethene	0.500	U
75-65-0	tert-Butyl alcohol	0.500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.500	U
79-20-9	Methyl Acetate	0.500	U
107-13-1	Acrylonitrile	0.500	U
75-09-2	Methylene Chloride	0.500	U
75-15-0	Carbon disulfide	0.500	U
1634-04-4	Methyl-tert-Butyl Ether	0.500	U
156-60-5	trans-1,2-Dichloroethene	0.500	U
75-34-3	1,1-Dichloroethane	0.500	U
108-05-4	Vinyl Acetate	0.500	U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	1.00	U
156-59-2	cis-1,2-Dichloroethene	0.500	U
594-20-7	2,2-Dichloropropane	0.500	U
74-97-5	Bromochloromethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-BLK1 File ID: B349008-BLK2.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 14:03
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
67-66-3	Chloroform	0.500	U
71-55-6	1,1,1-Trichloroethane	0.500	U
107-06-2	1,2-Dichloroethane	0.500	U
563-58-6	1,1-Dichloropropene	0.500	U
56-23-5	Carbon Tetrachloride	0.500	U
71-43-2	Benzene	0.500	U
79-01-6	Trichloroethene	0.500	U
78-87-5	1,2-Dichloropropane	0.500	U
74-95-3	Dibromomethane	0.500	U
123-91-1	1,4-Dioxane	10.0	U
75-27-4	Bromodichloromethane	0.500	U
110-75-8	2-Chloroethyl Vinyl Ether	0.500	U
108-10-1	4-Methyl-2-Pentanone	0.790	D
10061-01-5	cis-1,3-Dichloropropene	0.500	U
108-88-3	Toluene	0.500	U
10061-02-6	trans-1,3-Dichloropropene	0.500	U
79-00-5	1,1,2-Trichloroethane	0.500	U
591-78-6	Methyl Butyl Ketone (2-Hexanone)	1.00	U
142-28-9	1,3-Dichloropropane	0.500	U
124-48-1	Dibromochloromethane	0.500	U
127-18-4	Tetrachloroethene	0.500	U
106-93-4	1,2-Dibromoethane	0.500	U
108-90-7	Chlorobenzene	0.500	U
630-20-6	1,1,1,2-Tetrachloroethane	0.500	U

1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-BLK1 File ID: B349008-BLK2.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 14:03
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
100-41-4	Ethylbenzene	0.500	U
108-38-3/106-42-3	m,p-Xylenes	1.00	U
100-42-5	Styrene	0.500	U
95-47-6	o-Xylene	0.500	U
75-25-2	Bromoform	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	0.500	U
98-82-8	Isopropylbenzene (Cumene)	0.500	U
96-18-4	1,2,3-Trichloropropane	0.500	U
108-86-1	Bromobenzene	0.500	U
103-65-1	n-Propylbenzene	0.500	U
95-49-8	2-Chlorotoluene	1.05	D
622-96-8	4-Ethyltoluene	0.500	U
106-43-4	4-Chlorotoluene	0.660	D
108-67-8	1,3,5-Trimethylbenzene	0.500	U
98-06-6	tert-Butylbenzene	0.500	U
95-63-6	1,2,4-Trimethylbenzene	0.500	U
135-98-8	sec-Butylbenzene	0.500	U
541-73-1	1,3-Dichlorobenzene	0.500	U
99-87-6	4-Isopropyltoluene	0.500	U
106-46-7	1,4-Dichlorobenzene	0.500	U
95-50-1	1,2-Dichlorobenzene	0.500	U
105-05-5	1,4-Diethylbenzene	0.500	U
104-51-8	n-Butylbenzene	0.560	D
96-12-8	1,2-Dibromo-3-chloropropane	0.500	U



1 - FORM I ANALYSIS DATA SHEET

Blank

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-BLK1 File ID: B349008-BLK2.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 14:03
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
95-93-2	1,2,4,5-Tetramethylbenzene	0.500	U
120-82-1	1,2,4-Trichlorobenzene	0.770	D
91-20-3	Naphthalene	2.28	D
87-68-3	Hexachlorobutadiene	0.770	D
87-61-6	1,2,3-Trichlorobenzene	0.770	D

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory:	Long Island Analytical Laboratories, Inc.	Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY
Matrix:	Non-Potable Water	Laboratory ID:	B349008-BS1
		File ID:	B349008-BS1.D
Sampled:		Prepared:	12/04/23 09:09
		Analyzed:	12/04/23 11:36
Solids:		Preparation:	EPA 5030 C
		Dilution:	
Batch:	B349008	Sequence:	S349003
		Calibration:	L404002
		Instrument:	ChemStation05
Column:	1		

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	39.1	D
75-45-6	Chlorodifluoromethane	43.3	D
74-87-3	Chloromethane	43.6	D
75-01-4	Vinyl chloride	39.2	D
74-83-9	Bromomethane	51.4	D
75-00-3	Chloroethane	41.0	D
75-69-4	Trichlorofluoromethane	41.1	D
107-02-8	Acrolein	12.7	4.N, D
67-64-1	Acetone	61.4	D
75-35-4	1,1-Dichloroethene	42.7	D
75-65-0	tert-Butyl alcohol	46.7	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	43.0	D
79-20-9	Methyl Acetate	58.4	D
107-13-1	Acrylonitrile	49.8	D
75-09-2	Methylene Chloride	43.5	D
75-15-0	Carbon disulfide	35.5	D
1634-04-4	Methyl-tert-Butyl Ether	47.1	D
156-60-5	trans-1,2-Dichloroethene	43.8	D
75-34-3	1,1-Dichloroethane	45.4	D
108-05-4	Vinyl Acetate	39.1	D
78-93-3	Methyl Ethyl Ketone (2-Butanone)	56.3	D
156-59-2	cis-1,2-Dichloroethene	43.8	D
594-20-7	2,2-Dichloropropane	48.1	D
74-97-5	Bromochloromethane	45.5	D

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-BS1 File ID: B349008-BS1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 11:36
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
67-66-3	Chloroform	46.9	D
71-55-6	1,1,1-Trichloroethane	44.4	D
107-06-2	1,2-Dichloroethane	47.1	D
563-58-6	1,1-Dichloropropene	42.5	D
56-23-5	Carbon Tetrachloride	41.8	D
71-43-2	Benzene	43.2	D
79-01-6	Trichloroethene	43.7	D
78-87-5	1,2-Dichloropropane	46.2	D
74-95-3	Dibromomethane	46.9	D
123-91-1	1,4-Dioxane	790	4.M, D
75-27-4	Bromodichloromethane	45.6	D
110-75-8	2-Chloroethyl Vinyl Ether	53.7	D
108-10-1	4-Methyl-2-Pentanone	55.8	D, B
10061-01-5	cis-1,3-Dichloropropene	47.4	D
108-88-3	Toluene	44.6	D
10061-02-6	trans-1,3-Dichloropropene	48.7	D
79-00-5	1,1,2-Trichloroethane	49.3	D
591-78-6	Methyl Butyl Ketone (2-Hexanone)	59.0	D
142-28-9	1,3-Dichloropropane	47.6	D
124-48-1	Dibromochloromethane	49.6	D
127-18-4	Tetrachloroethene	43.2	D
106-93-4	1,2-Dibromoethane	47.6	D
108-90-7	Chlorobenzene	45.1	D
630-20-6	1,1,1,2-Tetrachloroethane	45.6	D

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-BS1 File ID: B349008-BS1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 11:36
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
100-41-4	Ethylbenzene	43.9	D
108-38-3/106-42-3	m,p-Xylenes	90.6	D
100-42-5	Styrene	44.7	D
95-47-6	o-Xylene	45.4	D
75-25-2	Bromoform	51.8	D
79-34-5	1,1,2,2-Tetrachloroethane	53.7	D
98-82-8	Isopropylbenzene (Cumene)	45.2	D
96-18-4	1,2,3-Trichloropropane	53.6	D
108-86-1	Bromobenzene	45.6	D
103-65-1	n-Propylbenzene	45.1	D
95-49-8	2-Chlorotoluene	46.2	D, B
622-96-8	4-Ethyltoluene	45.3	D
106-43-4	4-Chlorotoluene	48.4	D, B
108-67-8	1,3,5-Trimethylbenzene	45.6	D
98-06-6	tert-Butylbenzene	46.8	D
95-63-6	1,2,4-Trimethylbenzene	46.6	D
135-98-8	sec-Butylbenzene	46.4	D
541-73-1	1,3-Dichlorobenzene	45.3	D
99-87-6	4-Isopropyltoluene	45.4	D
106-46-7	1,4-Dichlorobenzene	45.7	D
95-50-1	1,2-Dichlorobenzene	46.6	D
105-05-5	1,4-Diethylbenzene	46.5	D
104-51-8	n-Butylbenzene	46.4	D, B
96-12-8	1,2-Dibromo-3-chloropropane	58.6	D

1 - FORM I ANALYSIS DATA SHEET

LCS

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-BS1 File ID: B349008-BS1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 11:36
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
95-93-2	1,2,4,5-Tetramethylbenzene	46.5	D
120-82-1	1,2,4-Trichlorobenzene	49.6	D, B
91-20-3	Naphthalene	56.0	D, B
87-68-3	Hexachlorobutadiene	48.8	D, B
87-61-6	1,2,3-Trichlorobenzene	51.8	D, B

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-MS1 File ID: B349008-MS1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 12:00
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	55.4	D
75-45-6	Chlorodifluoromethane	57.0	D
74-87-3	Chloromethane	51.5	D
75-01-4	Vinyl chloride	56.4	D
74-83-9	Bromomethane	52.5	D
75-00-3	Chloroethane	50.8	D
75-69-4	Trichlorofluoromethane	56.6	D
107-02-8	Acrolein	39.1	D
67-64-1	Acetone	55.2	D
75-35-4	1,1-Dichloroethene	54.4	D
75-65-0	tert-Butyl alcohol	51.8	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	58.2	D
79-20-9	Methyl Acetate	59.2	D
107-13-1	Acrylonitrile	56.0	D
75-09-2	Methylene Chloride	49.9	D
75-15-0	Carbon disulfide	44.9	D
1634-04-4	Methyl-tert-Butyl Ether	52.1	D
156-60-5	trans-1,2-Dichloroethene	51.6	D
75-34-3	1,1-Dichloroethane	53.8	D
108-05-4	Vinyl Acetate	47.1	D
78-93-3	Methyl Ethyl Ketone (2-Butanone)	55.0	D
156-59-2	cis-1,2-Dichloroethene	51.6	D
594-20-7	2,2-Dichloropropane	58.0	D
74-97-5	Bromochloromethane	51.2	D

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-MS1 File ID: B349008-MS1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 12:00
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
67-66-3	Chloroform	54.9	D
71-55-6	1,1,1-Trichloroethane	56.8	D
107-06-2	1,2-Dichloroethane	53.0	D
563-58-6	1,1-Dichloropropene	53.9	D
56-23-5	Carbon Tetrachloride	54.5	D
71-43-2	Benzene	52.0	D
79-01-6	Trichloroethene	52.2	D
78-87-5	1,2-Dichloropropane	52.0	D
74-95-3	Dibromomethane	51.6	D
123-91-1	1,4-Dioxane	636	D
75-27-4	Bromodichloromethane	51.8	D
110-75-8	2-Chloroethyl Vinyl Ether	49.5	D
108-10-1	4-Methyl-2-Pentanone	59.2	D, B
10061-01-5	cis-1,3-Dichloropropene	52.1	D
108-88-3	Toluene	52.4	D
10061-02-6	trans-1,3-Dichloropropene	53.0	D
79-00-5	1,1,2-Trichloroethane	54.8	D
591-78-6	Methyl Butyl Ketone (2-Hexanone)	59.3	D
142-28-9	1,3-Dichloropropane	52.0	D
124-48-1	Dibromochloromethane	54.7	D
127-18-4	Tetrachloroethene	54.4	D
106-93-4	1,2-Dibromoethane	51.1	D
108-90-7	Chlorobenzene	51.5	D
630-20-6	1,1,1,2-Tetrachloroethane	52.7	D

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-MS1 File ID: B349008-MS1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 12:00
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
100-41-4	Ethylbenzene	52.8	D
108-38-3/106-42-3	m,p-Xylenes	109	D
100-42-5	Styrene	52.0	D
95-47-6	o-Xylene	53.3	D
75-25-2	Bromoform	55.3	D
79-34-5	1,1,2,2-Tetrachloroethane	57.3	D
98-82-8	Isopropylbenzene (Cumene)	55.3	D
96-18-4	1,2,3-Trichloropropane	57.2	4.G, D
108-86-1	Bromobenzene	52.0	D
103-65-1	n-Propylbenzene	55.2	D
95-49-8	2-Chlorotoluene	54.4	D, B
622-96-8	4-Ethyltoluene	54.9	D
106-43-4	4-Chlorotoluene	54.4	D, B
108-67-8	1,3,5-Trimethylbenzene	55.2	D
98-06-6	tert-Butylbenzene	57.6	D
95-63-6	1,2,4-Trimethylbenzene	55.1	D
135-98-8	sec-Butylbenzene	58.0	D
541-73-1	1,3-Dichlorobenzene	52.8	D
99-87-6	4-Isopropyltoluene	55.4	D
106-46-7	1,4-Dichlorobenzene	53.2	D
95-50-1	1,2-Dichlorobenzene	53.1	D
105-05-5	1,4-Diethylbenzene	56.3	D
104-51-8	n-Butylbenzene	56.2	D, B
96-12-8	1,2-Dibromo-3-chloropropane	60.4	D



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Matrix Spike

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-MS1 File ID: B349008-MS1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 12:00
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
95-93-2	1,2,4,5-Tetramethylbenzene	53.5	D
120-82-1	1,2,4-Trichlorobenzene	56.4	D, B
91-20-3	Naphthalene	62.4	4.G, D, B
87-68-3	Hexachlorobutadiene	59.3	D, B
87-61-6	1,2,3-Trichlorobenzene	58.3	D, B

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-MSD1 File ID: B349008-MSD1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 12:25
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
75-71-8	Dichlorodifluoromethane	49.9	D
75-45-6	Chlorodifluoromethane	50.8	D
74-87-3	Chloromethane	47.5	D
75-01-4	Vinyl chloride	44.8	4.T, D
74-83-9	Bromomethane	48.9	D
75-00-3	Chloroethane	45.9	D
75-69-4	Trichlorofluoromethane	49.8	D
107-02-8	Acrolein	51.0	4.T, D
67-64-1	Acetone	53.9	D
75-35-4	1,1-Dichloroethene	49.5	D
75-65-0	tert-Butyl alcohol	47.0	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	52.3	D
79-20-9	Methyl Acetate	54.3	D
107-13-1	Acrylonitrile	49.8	D
75-09-2	Methylene Chloride	44.0	D
75-15-0	Carbon disulfide	41.0	D
1634-04-4	Methyl-tert-Butyl Ether	46.8	D
156-60-5	trans-1,2-Dichloroethene	46.5	D
75-34-3	1,1-Dichloroethane	48.6	D
108-05-4	Vinyl Acetate	45.3	D
78-93-3	Methyl Ethyl Ketone (2-Butanone)	51.6	D
156-59-2	cis-1,2-Dichloroethene	46.5	D
594-20-7	2,2-Dichloropropane	52.2	D
74-97-5	Bromochloromethane	45.9	D

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-MSD1 File ID: B349008-MSD1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 12:25
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
67-66-3	Chloroform	48.3	D
71-55-6	1,1,1-Trichloroethane	51.1	D
107-06-2	1,2-Dichloroethane	47.7	D
563-58-6	1,1-Dichloropropene	48.9	D
56-23-5	Carbon Tetrachloride	49.8	D
71-43-2	Benzene	46.2	D
79-01-6	Trichloroethene	46.7	D
78-87-5	1,2-Dichloropropane	47.0	D
74-95-3	Dibromomethane	46.6	D
123-91-1	1,4-Dioxane	605	D
75-27-4	Bromodichloromethane	46.5	D
110-75-8	2-Chloroethyl Vinyl Ether	48.7	D
108-10-1	4-Methyl-2-Pentanone	54.4	D, B
10061-01-5	cis-1,3-Dichloropropene	46.4	D
108-88-3	Toluene	47.2	D
10061-02-6	trans-1,3-Dichloropropene	46.6	D
79-00-5	1,1,2-Trichloroethane	49.2	D
591-78-6	Methyl Butyl Ketone (2-Hexanone)	56.0	D
142-28-9	1,3-Dichloropropane	46.9	D
124-48-1	Dibromochloromethane	48.9	D
127-18-4	Tetrachloroethene	48.6	D
106-93-4	1,2-Dibromoethane	47.0	D
108-90-7	Chlorobenzene	45.8	D
630-20-6	1,1,1,2-Tetrachloroethane	47.0	D

1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Long Island Analytical Laboratories, Inc. Work Order: 3120104
 Client: Ranco Sand & Stone Corporation Project: Manorville NY
 Matrix: Non-Potable Water Laboratory ID: B349008-MSD1 File ID: B349008-MSD1.D
 Sampled: Prepared: 12/04/23 09:09 Analyzed: 12/04/23 12:25
 Solids: Preparation: EPA 5030 C Dilution:
 Batch: B349008 Sequence: S349003 Calibration: L404002 Instrument: ChemStation05
 Column: 1

CAS NO.	COMPOUND	CONC. (ug/L)	Q
100-41-4	Ethylbenzene	47.2	D
108-38-3/106-42-3	m,p-Xylenes	97.1	D
100-42-5	Styrene	46.1	D
95-47-6	o-Xylene	47.7	D
75-25-2	Bromoform	49.0	D
79-34-5	1,1,2,2-Tetrachloroethane	51.5	D
98-82-8	Isopropylbenzene (Cumene)	49.0	D
96-18-4	1,2,3-Trichloropropane	52.2	D
108-86-1	Bromobenzene	46.6	D
103-65-1	n-Propylbenzene	48.8	D
95-49-8	2-Chlorotoluene	48.6	D, B
622-96-8	4-Ethyltoluene	48.5	D
106-43-4	4-Chlorotoluene	46.6	D, B
108-67-8	1,3,5-Trimethylbenzene	48.4	D
98-06-6	tert-Butylbenzene	51.3	D
95-63-6	1,2,4-Trimethylbenzene	48.6	D
135-98-8	sec-Butylbenzene	50.4	D
541-73-1	1,3-Dichlorobenzene	47.4	D
99-87-6	4-Isopropyltoluene	49.4	D
106-46-7	1,4-Dichlorobenzene	48.0	D
95-50-1	1,2-Dichlorobenzene	47.6	D
105-05-5	1,4-Diethylbenzene	50.0	D
104-51-8	n-Butylbenzene	49.8	D, B
96-12-8	1,2-Dibromo-3-chloropropane	57.2	D



1 - FORM I ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Long Island Analytical Laboratories, Inc.			Work Order:	3120104
Client:	Ranco Sand & Stone Corporation	Project:	Manorville NY		
Matrix:	Non-Potable Water	Laboratory ID:	B349008-MSD1	File ID:	B349008-MSD1.D
Sampled:		Prepared:	12/04/23 09:09	Analyzed:	12/04/23 12:25
Solids:		Preparation:	EPA 5030 C	Dilution:	
Batch:	B349008	Sequence:	S349003	Calibration:	L404002
Instrument:	ChemStation05				
Column:	1				

CAS NO.	COMPOUND	CONC. (ug/L)	Q
95-93-2	1,2,4,5-Tetramethylbenzene	47.8	D
120-82-1	1,2,4-Trichlorobenzene	51.1	D, B
91-20-3	Naphthalene	61.4	4.G, D, B
87-68-3	Hexachlorobutadiene	51.0	D, B
87-61-6	1,2,3-Trichlorobenzene	53.8	D, B

Data Path : C:\msdchem\1\data\2023\12 2023\1201\
 Data File : 3120104-01.D
 Acq On : 1 Dec 2023 8:07 pm
 Operator : JN
 Sample : 3120104-01
 Misc : CHEM05
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 04 09:35:17 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluorobenzene	5.065	168	1671730	50.00	ppb	#	0.00
33) 1,4-Difluorobenzene	5.813	114	2705985	50.00	ppb	#	0.00
51) Chlorobenzene-d5	8.703	117	2564910	50.00	ppb	#	0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1245563	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluoromethane	4.833	113	796032	49.44	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	963744	50.12	ppb		0.00
62) Toluene-d8	7.309	98	3086375	48.91	ppb		0.00
73) 4-Bromofluorobenzene	9.883	174	1091593	52.07	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0	N.D.			
3) 75-45-6!Chlorodifluoro...	0.000		0	N.D.			
4) 74-87-3!Chloromethane	1.731	50	3423	0.42	ppb	#	80
5) 75-01-4!Chloroethene (...)	0.000		0	N.D.			
6) 74-83-9!Bromomethane	2.090	94	2681	Below	Cal	#	87
7) 75-00-3!Chloroethane	0.000		0	N.D.			
8) 75-69-4!Trichloromonof...	0.000		0	N.D.			
9) 107-02-8!Acrolein	2.558	56	441	0.30	ppb	#	10
10) 67-64-1!Acetone	2.625	43	7436	Below	Cal	#	81
11) 75-35-4!1,1-Dichloroet...	0.000		0	N.D.			
12) 75-65-0!Tert-Butyl Alc...	0.000		0	N.D.			
13) 76-13-1!Freon 113	2.929	101	183	N.D.			
14) 70-20-9!Methyl Acetate	3.093	43	6953	Below	Cal	#	64
15) 107-13-1!Acrylonitrile	0.000		0	N.D.			
16) 75-09-2!Methylene chlo...	3.203	49	3324	Below	Cal	#	93
17) 75-15-0!Carbon disulfide	3.294	76	776	0.31	ppb	#	1
18) 1634-04-4!MTBE	0.000		0	N.D.			
19) 156-60-5!trans[E]-1,2-...	0.000		0	N.D.			
20) 75-34-3!1,1-Dichloroet...	0.000		0	N.D.			
21) 108-05-4!Vinyl acetate	3.921	43	184	N.D.			
22) 78-93-3!2-Butanone (MEK)	0.000		0	N.D.			
23) 156-59-2!cis[Z]-1,2dic...	0.000		0	N.D.			
24) 594-20-7!2,2-Dichlorop...	0.000		0	N.D.			
25) 74-97-5!Bromochloromet...	0.000		0	N.D.			
26) 67-66-3!Chloroform	4.693	83	206	N.D.			
27) 71-55-6!1,1,1-Trichlor...	0.000		0	N.D.			
29) 107-06-2!1,2-Dichloroe...	5.350	62	2149	0.20	ppb	#	51
30) 563-58-6!1,1,1-Dichlorop...	0.000		0	N.D.			
31) 56-23-5!Carbon tetrach...	0.000		0	N.D.			
32) 71-43-2!Benzene	5.503	78	1568	N.D.			
34) 79-01-6!Trichloroethylene	0.000		0	N.D.			
35) 78-87-5!1,2-Dichloropr...	0.000		0	N.D.			
36) 74-95-3!Dibromomethane	0.000		0	N.D.			
37) 123-91-1!1,4 Dioxane	0.000		0	N.D.			
38) 75-27-4!Bromodichlorom...	0.000		0	N.D.			
39) 110-75-8!2-Chloroethyl...	0.000		0	N.D.			
40) 108-10-1!Methyl isobut...	0.000		0	N.D.			

41)	10061-01-5!cis [Z] -1,3-...	0.000		0		N.D.		
43)	108-88-3!Toluene	7.376	91	2887	0.12 ppb		97	
44)	10061-02-6!trans [E] -1,...	7.315	75	254	N.D.			
45)	79-00-5!1,1,2-Trichlor...	0.000		0	N.D.			
46)	591-78-6!2-Hexanone	0.000		0	N.D.			
47)	142-28-9!1,3-Dichlorop...	0.000		0	N.D.			
48)	124-48-1!Dibromochloro...	0.000		0	N.D.			
49)	127-18-4!Tetrachloroet...	0.000		0	N.D.			
50)	106-93-4!1,2-Dibromoet...	0.000		0	N.D.			
52)	108-90-7!Chlorobenzene	8.733	112	1192	N.D.			
53)	630-20-6!1,1,1,2-Tetra...	0.000		0	N.D.			
54)	100-41-4!Ethylbenzene	8.879	91	2674	0.08 ppb	#	57	
55)	1330-20-7!p&m-Xylene	8.995	91	4218	0.81 ppb	#	81	
56)	100-42-5!Styrene	9.353	104	1418	N.D.			
57)	95-47-6!o-Xylene	9.378	91	1902	N.D.			
58)	75-25-2!Bromoform	0.000		0	N.D.			
59)	79-34-5!1,1,2,2-Tetrac...	0.000		0	N.D.			
60)	98-82-8!Isopropylbenzene	9.773	105	1506	N.D.			
61)	96-18-4!1,2,3-Trichlor...	0.000		0	N.D.			
63)	108-86-1!Bromobenzene	10.035	77	1438	0.09 ppb	#	30	
64)	103-65-1!n-Propylbenzene	10.187	91	3617	0.09 ppb	#	81	
65)	95-49-8!2-Chlorotoluene	10.260	91	1603	0.88 ppb	#	43	
66)	622-96-8!p-Ethyltoluene	10.309	105	4432	0.13 ppb	#	63	
67)	106-43-4!4-Chlorotoluene	10.321	91	2409	0.38 ppb	#	57	
68)	108-67-8!1,3,5-Trimeth...	10.369	105	2380	N.D.			
69)	98-06-6!tert-Butylbenzene	0.000		0	N.D.			
70)	95-63-6!1,2,4-Trimethy...	10.741	105	3570	0.11 ppb	#	90	
71)	135-98-8!sec-Butylbenzene	10.935	105	2932	N.D.			
74)	541-73-1!1,3-Dichlorob...	11.020	146	2666	0.15 ppb	#	78	
75)	99-87-6!p-Isopropyltol...	11.081	119	3705	0.12 ppb	#	10	
76)	106-46-7!1,4-Dichlorob...	11.112	146	2820	0.16 ppb	#	66	
77)	95-50-1!1,2-Dichlorobe...	11.422	146	1499	N.D.			
78)	105-05-5!1,4-Diethylbe...	11.471	119	3120	0.17 ppb	#	90	
79)	104-51-8!n-Butylbenzene	11.477	91	5302	0.17 ppb	#	89	
80)	96-12-8!1,2-dibromo-3-...	0.000		0	N.D.			
81)	95-93-2!1,2,4,5-Tetram...	12.249	119	1820	N.D.			
82)	120-82-1!1,2,4-Trichlo...	13.137	180	1103	0.13 ppb	#	81	
83)	91-20-3!Naphthalene	13.290	128	4773	0.27 ppb	#	82	
84)	87-68-3!Hexachlorobuta...	13.429	225	798	0.19 ppb	#	42	
85)	87-61-6!1,2,3-Trichlor...	13.575	180	453	N.D.			

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

Data Path : C:\msdchem\1\data\2023\12 2023\1201\
 Data File : 3120104-02.D
 Acq On : 1 Dec 2023 8:32 pm
 Operator : JN
 Sample : 3120104-02
 Misc : CHEM05
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 04 09:35:34 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluorobenzene	5.065	168	1668433	50.00	ppb	#	0.00
33) 1,4-Difluorobenzene	5.813	114	2681179	50.00	ppb	#	0.00
51) Chlorobenzene-d5	8.703	117	2553825	50.00	ppb	#	0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1238798	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluoromethane	4.833	113	782646	48.70	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	951652	49.95	ppb		0.00
62) Toluene-d8	7.310	98	3085056	49.10	ppb		0.00
73) 4-Bromofluorobenzene	9.883	174	1088723	52.22	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0	N.D.			
3) 75-45-6!Chlorodifluoro...	0.000		0	N.D.			
4) 74-87-3!Chloromethane	1.731	50	3481	0.46	ppb	#	86
5) 75-01-4!Chloroethene (...)	0.000		0	N.D.			
6) 74-83-9!Bromomethane	2.096	94	2581	Below Cal		#	77
7) 75-00-3!Chloroethane	0.000		0	N.D.			
8) 75-69-4!Trichloromonof...	0.000		0	N.D.			
9) 107-02-8!Acrolein	0.000		0	N.D.			
10) 67-64-1!Acetone	2.625	43	7338	Below Cal			92
11) 75-35-4!1,1-Dichloroet...	0.000		0	N.D.			
12) 75-65-0!Tert-Butyl Alc...	0.000		0	N.D.			
13) 76-13-1!Freon 113	0.000		0	N.D.			
14) 70-20-9!Methyl Acetate	3.094	43	7703	Below Cal		#	71
15) 107-13-1!Acrylonitrile	0.000		0	N.D.			
16) 75-09-2!Methylene chlo...	3.197	49	3990	Below Cal		#	91
17) 75-15-0!Carbon disulfide	3.282	76	817	0.32	ppb	#	1
18) 1634-04-4!MTBE	0.000		0	N.D.			
19) 156-60-5!trans[E]-1,2-...	0.000		0	N.D.			
20) 75-34-3!1,1-Dichloroet...	0.000		0	N.D.			
21) 108-05-4!Vinyl acetate	3.897	43	199	N.D.			
22) 78-93-3!2-Butanone (MEK)	0.000		0	N.D.			
23) 156-59-2!cis[Z]-1,2dic...	0.000		0	N.D.			
24) 594-20-7!2,2-Dichlorop...	0.000		0	N.D.			
25) 74-97-5!Bromochloromet...	0.000		0	N.D.			
26) 67-66-3!Chloroform	4.688	83	214	N.D.			
27) 71-55-6!1,1,1-Trichlor...	0.000		0	N.D.			
29) 107-06-2!1,2-Dichloroe...	5.345	62	2364	0.22	ppb	#	51
30) 563-58-6!1,1-Dichlorop...	0.000		0	N.D.			
31) 56-23-5!Carbon tetrach...	0.000		0	N.D.			
32) 71-43-2!Benzene	5.503	78	1433	N.D.			
34) 79-01-6!Trichloroethylene	0.000		0	N.D.			
35) 78-87-5!1,2-Dichloropr...	0.000		0	N.D.			
36) 74-95-3!Dibromomethane	0.000		0	N.D.			
37) 123-91-1!1,4 Dioxane	0.000		0	N.D.			
38) 75-27-4!Bromodichlorom...	0.000		0	N.D.			
39) 110-75-8!2-Chloroethyl...	0.000		0	N.D.			
40) 108-10-1!Methyl isobut...	0.000		0	N.D.			

41)	10061-01-5!cis [Z]-1,3-...	0.000		0	N.D.		
43)	108-88-3!Toluene	7.383	91	2826	0.11 ppb	#	83
44)	10061-02-6!trans [E]-1,...	7.310	75	230	N.D.		
45)	79-00-5!1,1,2-Trichlor...	7.456	97	501	N.D.		
46)	591-78-6!2-Hexanone	0.000		0	N.D.		
47)	142-28-9!1,3-Dichlorop...	0.000		0	N.D.		
48)	124-48-1!Dibromochloro...	0.000		0	N.D.		
49)	127-18-4!Tetrachloroet...	8.088	166	283	N.D.		
50)	106-93-4!1,2-Dibromoet...	0.000		0	N.D.		
52)	108-90-7!Chlorobenzene	8.739	112	923	N.D.		
53)	630-20-6!1,1,1,2-Tetra...	0.000		0	N.D.		
54)	100-41-4!Ethylbenzene	8.885	91	2033	N.D.		
55)	1330-20-7!p&m-Xylene	9.001	91	4849	0.84 ppb	#	80
56)	100-42-5!Styrene	9.360	104	1399	N.D.		
57)	95-47-6!o-Xylene	9.384	91	1693	N.D.		
58)	75-25-2!Bromoform	0.000		0	N.D.		
59)	79-34-5!1,1,2,2-Tetrac...	0.000		0	N.D.		
60)	98-82-8!Isopropylbenzene	9.779	105	1718	N.D.		
61)	96-18-4!1,2,3-Trichlor...	0.000		0	N.D.		
63)	108-86-1!Bromobenzene	10.041	77	1086	N.D.		
64)	103-65-1!n-Propylbenzene	10.187	91	3698	0.09 ppb	#	58
65)	95-49-8!2-Chlorotoluene	10.266	91	1691	0.89 ppb	#	63
66)	622-96-8!p-Ethyltoluene	10.303	105	4717	0.14 ppb	#	52
67)	106-43-4!4-Chlorotoluene	10.327	91	2949	0.40 ppb	#	70
68)	108-67-8!1,3,5-Trimeth...	10.370	105	2129	N.D.		
69)	98-06-6!tert-Butylbenzene	0.000		0	N.D.		
70)	95-63-6!1,2,4-Trimethy...	10.735	105	3725	0.11 ppb	#	93
71)	135-98-8!sec-Butylbenzene	10.935	105	2793	N.D.		
74)	541-73-1!1,3-Dichlorob...	11.014	146	2157	0.12 ppb	#	73
75)	99-87-6!p-Isopropyltol...	11.081	119	3082	0.10 ppb	#	1
76)	106-46-7!1,4-Dichlorob...	11.112	146	3106	0.18 ppb	#	70
77)	95-50-1!1,2-Dichlorobe...	11.422	146	1671	0.09 ppb	#	78
78)	105-05-5!1,4-Diethylbe...	11.471	119	3147	0.17 ppb		88
79)	104-51-8!n-Butylbenzene	11.483	91	4969	0.16 ppb		93
80)	96-12-8!1,2-dibromo-3-...	0.000		0	N.D.		
81)	95-93-2!1,2,4,5-Tetram...	12.243	119	1781	N.D.		
82)	120-82-1!1,2,4-Trichlo...	13.144	180	669	0.08 ppb	#	42
83)	91-20-3!Naphthalene	13.290	128	4697	0.27 ppb	#	77
84)	87-68-3!Hexachlorobuta...	13.424	225	783	0.19 ppb	#	71
85)	87-61-6!1,2,3-Trichlor...	13.570	180	749	0.11 ppb	#	55

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

Data Path : C:\msdchem\1\data\2023\12 2023\1204\
 Data File : 3120104-03.D
 Acq On : 4 Dec 2023 3:17 pm
 Operator : JN
 Sample : 3120104-03
 Misc : CHEM05
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 16:01:37 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluorobenzene	5.065	168	1557673	50.00	ppb	#	0.00
33) 1,4-Difluorobenzene	5.813	114	2605956	50.00	ppb	#	0.00
51) Chlorobenzene-d5	8.703	117	2508688	50.00	ppb	#	0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1259080	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluoromethane	4.833	113	771606	51.43	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	939455	50.73	ppb		0.00
62) Toluene-d8	7.309	98	3005051	48.69	ppb		0.00
73) 4-Bromofluorobenzene	9.889	174	1083598	51.13	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0		N.D.		
3) 75-45-6!Chlorodifluoro...	0.000		0		N.D.		
4) 74-87-3!Chloromethane	1.731	50	2619	Below Cal	#		62
5) 75-01-4!Chloroethene (...)	0.000		0		N.D.		
6) 74-83-9!Bromomethane	2.090	94	3307	Below Cal	#		72
7) 75-00-3!Chloroethane	0.000		0		N.D.		
8) 75-69-4!Trichloromonof...	0.000		0		N.D.		
9) 107-02-8!Acrolein	2.564	56	658	0.47	ppb	#	1
10) 67-64-1!Acetone	2.619	43	14113	Below Cal			96
11) 75-35-4!1,1-Dichloroet...	0.000		0		N.D.		
12) 75-65-0!Tert-Butyl Alc...	0.000		0		N.D.		
13) 76-13-1!Freon 113	2.935	101	184		N.D.		
14) 70-20-9!Methyl Acetate	3.094	43	8422	Below Cal	#		67
15) 107-13-1!Acrylonitrile	0.000		0		N.D.		
16) 75-09-2!Methylene chlo...	3.203	49	4654	Below Cal	#		80
17) 75-15-0!Carbon disulfide	3.282	76	940	0.40	ppb	#	1
18) 1634-04-4!MTBE	0.000		0		N.D.		
19) 156-60-5!trans[E]-1,2-...	0.000		0		N.D.		
20) 75-34-3!1,1-Dichloroet...	0.000		0		N.D.		
21) 108-05-4!Vinyl acetate	4.024	43	185		N.D.		
22) 78-93-3!2-Butanone (MEK)	0.000		0		N.D.		
23) 156-59-2!cis[Z]-1,2dic...	0.000		0		N.D.		
24) 594-20-7!2,2-Dichlorop...	0.000		0		N.D.		
25) 74-97-5!Bromochloromet...	0.000		0		N.D.		
26) 67-66-3!Chloroform	4.687	83	733		N.D.		
27) 71-55-6!1,1,1-Trichlor...	0.000		0		N.D.		
29) 107-06-2!1,2-Dichloroe...	5.344	62	2646	0.26	ppb	#	73
30) 563-58-6!1,1-Dichlorop...	5.357	75	196		N.D.		
31) 56-23-5!Carbon tetrach...	0.000		0		N.D.		
32) 71-43-2!Benzene	5.497	78	1728	0.08	ppb	#	1
34) 79-01-6!Trichloroethylene	6.184	130	208		N.D.		
35) 78-87-5!1,2-Dichloropr...	0.000		0		N.D.		
36) 74-95-3!Dibromomethane	0.000		0		N.D.		
37) 123-91-1!1,4 Dioxane	0.000		0		N.D.		
38) 75-27-4!Bromodichlorom...	0.000		0		N.D.		
39) 110-75-8!2-Chloroethyl...	0.000		0		N.D.		
40) 108-10-1!Methyl isobut...	0.000		0		N.D.		

41)	10061-01-5!cis[Z]-1,3-...	0.000		0		N.D.		
43)	108-88-3!Toluene	7.382	91	3847		0.16 ppb	#	76
44)	10061-02-6!trans[E]-1,...	7.382	75	184		N.D.		
45)	79-00-5!1,1,2-Trichlor...	0.000		0		N.D.		
46)	591-78-6!2-Hexanone	0.000		0		N.D.		
47)	142-28-9!1,3-Dichlorop...	0.000		0		N.D.		
48)	124-48-1!Dibromochloro...	8.088	129	401		N.D.		
49)	127-18-4!Tetrachloroet...	8.088	166	245		N.D.		
50)	106-93-4!1,2-Dibromoet...	0.000		0		N.D.		
52)	108-90-7!Chlorobenzene	8.733	112	2241		0.11 ppb	#	1
53)	630-20-6!1,1,1,2-Tetra...	0.000		0		N.D.		
54)	100-41-4!Ethylbenzene	8.885	91	3279		0.10 ppb	#	84
55)	1330-20-7!p&m-Xylene	8.995	91	6341		0.90 ppb	#	88
56)	100-42-5!Styrene	9.354	104	2913		0.12 ppb	#	82
57)	95-47-6!o-Xylene	9.384	91	2584		0.09 ppb	#	81
58)	75-25-2!Bromoform	0.000		0		N.D.		
59)	79-34-5!1,1,2,2-Tetrac...	9.706	83	734		Below Cal	#	26
60)	98-82-8!Isopropylbenzene	9.779	105	3701		0.11 ppb	#	71
61)	96-18-4!1,2,3-Trichlor...	0.000		0		N.D.		
63)	108-86-1!Bromobenzene	10.035	77	2272		0.15 ppb	#	82
64)	103-65-1!n-Propylbenzene	10.187	91	7727		0.19 ppb	#	92
65)	95-49-8!2-Chlorotoluene	10.260	91	3430		0.96 ppb	#	87
66)	622-96-8!p-Ethyltoluene	10.303	105	7132		0.21 ppb	#	42
67)	106-43-4!4-Chlorotoluene	10.327	91	5892		0.52 ppb	#	81
68)	108-67-8!1,3,5-Trimeth...	10.369	105	3599		0.12 ppb	#	86
69)	98-06-6!tert-Butylbenzene	10.704	134	216		0.35 ppb	#	1
70)	95-63-6!1,2,4-Trimethy...	10.734	105	6623		0.20 ppb	#	79
71)	135-98-8!sec-Butylbenzene	10.935	105	6170		0.17 ppb	#	90
74)	541-73-1!1,3-Dichlorob...	11.014	146	4553		0.25 ppb	#	97
75)	99-87-6!p-Isopropyltol...	11.075	119	7828		0.25 ppb	#	64
76)	106-46-7!1,4-Dichlorob...	11.112	146	5567		0.31 ppb	#	75
77)	95-50-1!1,2-Dichlorobe...	11.422	146	3623		0.19 ppb	#	84
78)	105-05-5!1,4-Diethylbe...	11.477	119	6005		0.33 ppb	#	89
79)	104-51-8!n-Butylbenzene	11.477	91	9762		0.32 ppb	#	95
80)	96-12-8!1,2-dibromo-3-...	12.073	157	213		0.10 ppb	#	9
81)	95-93-2!1,2,4,5-Tetram...	12.243	119	3428		0.14 ppb	#	84
82)	120-82-1!1,2,4-Trichlo...	13.144	180	3043		0.36 ppb	#	80
83)	91-20-3!Naphthalene	13.290	128	17463		0.97 ppb	#	88
84)	87-68-3!Hexachlorobuta...	13.423	225	2461		0.59 ppb	#	92
85)	87-61-6!1,2,3-Trichlor...	13.576	180	2909		0.41 ppb	#	94

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

Data Path : C:\msdchem\1\data\2023\12 2023\1204\
 Data File : 3120104-04.D
 Acq On : 4 Dec 2023 3:42 pm
 Operator : JN
 Sample : 3120104-04
 Misc : CHEM05
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 16:06:27 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.065	168	1552994	50.00	ppb	# 0.00
33) 1,4-Difluorobenzene	5.813	114	2605071	50.00	ppb	# 0.00
51) Chlorobenzene-d5	8.703	117	2522245	50.00	ppb	# 0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1253979	50.00	ppb	0.00
System Monitoring Compounds						
28) Dibromofluoromethane	4.834	113	784613	52.46	ppb	0.00
42) 1,2-Dichloroethane-d4	5.265	65	951800	51.42	ppb	0.00
62) Toluene-d8	7.310	98	3015549	48.60	ppb	0.00
73) 4-Bromofluorobenzene	9.889	174	1080309	51.18	ppb	0.00
Target Compounds						
						Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0		N.D.	
3) 75-45-6!Chlorodifluoro...	0.000		0		N.D.	
4) 74-87-3!Chloromethane	1.731	50	2637		N.D.	
5) 75-01-4!Chloroethene (...)	0.000		0		N.D.	
6) 74-83-9!Bromomethane	2.096	94	3179	Below Cal	#	72
7) 75-00-3!Chloroethane	0.000		0		N.D.	
8) 75-69-4!Trichloromonof...	0.000		0		N.D.	
9) 107-02-8!Acrolein	2.558	56	194	0.14	ppb	# 1
10) 67-64-1!Acetone	2.613	43	18434	0.36	ppb	100
11) 75-35-4!1,1-Dichloroet...	0.000		0		N.D.	
12) 75-65-0!Tert-Butyl Alc...	0.000		0		N.D.	
13) 76-13-1!Freon 113	2.935	101	217		N.D.	
14) 70-20-9!Methyl Acetate	3.094	43	9101	Below Cal	#	74
15) 107-13-1!Acrylonitrile	0.000		0		N.D.	
16) 75-09-2!Methylene chlo...	3.197	49	3814	Below Cal	#	75
17) 75-15-0!Carbon disulfide	3.276	76	949	0.40	ppb	# 1
18) 1634-04-4!MTBE	0.000		0		N.D.	
19) 156-60-5!trans[E]-1,2-...	0.000		0		N.D.	
20) 75-34-3!1,1-Dichloroet...	0.000		0		N.D.	
21) 108-05-4!Vinyl acetate	3.958	43	185		N.D.	
22) 78-93-3!2-Butanone (MEK)	0.000		0		N.D.	
23) 156-59-2!cis[Z]-1,2dic...	0.000		0		N.D.	
24) 594-20-7!2,2-Dichlorop...	0.000		0		N.D.	
25) 74-97-5!Bromochloromet...	0.000		0		N.D.	
26) 67-66-3!Chloroform	4.688	83	194		N.D.	
27) 71-55-6!1,1,1-Trichlor...	0.000		0		N.D.	
29) 107-06-2!1,2-Dichloroe...	5.345	62	2529	0.25	ppb	# 20
30) 563-58-6!1,1-Dichlorop...	0.000		0		N.D.	
31) 56-23-5!Carbon tetrach...	0.000		0		N.D.	
32) 71-43-2!Benzene	5.497	78	1807	0.08	ppb	# 63
34) 79-01-6!Trichloroethylene	0.000		0		N.D.	
35) 78-87-5!1,2-Dichloropr...	0.000		0		N.D.	
36) 74-95-3!Dibromomethane	0.000		0		N.D.	
37) 123-91-1!1,4 Dioxane	0.000		0		N.D.	
38) 75-27-4!Bromodichlorom...	0.000		0		N.D.	
39) 110-75-8!2-Chloroethyl...	0.000		0		N.D.	
40) 108-10-1!Methyl isobut...	0.000		0		N.D.	

41)	10061-01-5!cis [Z]-1,3-...	0.000		0		N.D.		
43)	108-88-3!Toluene	7.383	91	2945		0.12 ppb		85
44)	10061-02-6!trans [E]-1,...	7.316	75	236		N.D.		
45)	79-00-5!1,1,2-Trichlor...	0.000		0		N.D.		
46)	591-78-6!2-Hexanone	0.000		0		N.D.		
47)	142-28-9!1,3-Dichlorop...	0.000		0		N.D.		
48)	124-48-1!Dibromochloro...	8.094	129	204		N.D.		
49)	127-18-4!Tetrachloroet...	8.088	166	465		0.09 ppb	#	56
50)	106-93-4!1,2-Dibromoet...	0.000		0		N.D.		
52)	108-90-7!Chlorobenzene	8.733	112	1401		N.D.		
53)	630-20-6!1,1,1,2-Tetra...	0.000		0		N.D.		
54)	100-41-4!Ethylbenzene	8.885	91	2493		N.D.		
55)	1330-20-7!p&m-Xylene	9.001	91	5728		0.88 ppb	#	86
56)	100-42-5!Styrene	9.348	104	2788		0.11 ppb	#	74
57)	95-47-6!o-Xylene	9.384	91	2570		0.09 ppb	#	68
58)	75-25-2!Bromoform	0.000		0		N.D.		
59)	79-34-5!1,1,2,2-Tetrac...	9.700	83	372		Below Cal	#	26
60)	98-82-8!Isopropylbenzene	9.780	105	2927		0.08 ppb	#	64
61)	96-18-4!1,2,3-Trichlor...	9.889	110	195		N.D.		
63)	108-86-1!Bromobenzene	10.035	77	1712		0.11 ppb	#	69
64)	103-65-1!n-Propylbenzene	10.187	91	6273		0.16 ppb	#	92
65)	95-49-8!2-Chlorotoluene	10.260	91	3228		0.95 ppb	#	72
66)	622-96-8!p-Ethyltoluene	10.303	105	6795		0.20 ppb	#	60
67)	106-43-4!4-Chlorotoluene	10.327	91	4862		0.48 ppb	#	74
68)	108-67-8!1,3,5-Trimeth...	10.370	105	3257		0.11 ppb	#	88
69)	98-06-6!tert-Butylbenzene	0.000		0		N.D.		
70)	95-63-6!1,2,4-Trimethy...	10.735	105	4999		0.15 ppb	#	94
71)	135-98-8!sec-Butylbenzene	10.935	105	4654		0.13 ppb	#	81
74)	541-73-1!1,3-Dichlorob...	11.014	146	4498		0.25 ppb	#	83
75)	99-87-6!p-Isopropyltol...	11.081	119	6224		0.20 ppb	#	51
76)	106-46-7!1,4-Dichlorob...	11.106	146	4674		0.27 ppb	#	66
77)	95-50-1!1,2-Dichlorobe...	11.422	146	3107		0.16 ppb		99
78)	105-05-5!1,4-Diethylbe...	11.477	119	5252		0.29 ppb		97
79)	104-51-8!n-Butylbenzene	11.483	91	9206		0.30 ppb		94
80)	96-12-8!1,2-dibromo-3-...	0.000		0		N.D.		
81)	95-93-2!1,2,4,5-Tetram...	12.243	119	2905		0.12 ppb	#	86
82)	120-82-1!1,2,4-Trichlo...	13.144	180	2773		0.33 ppb	#	89
83)	91-20-3!Naphthalene	13.290	128	14344		0.80 ppb	#	95
84)	87-68-3!Hexachlorobuta...	13.430	225	1619		0.39 ppb	#	81
85)	87-61-6!1,2,3-Trichlor...	13.576	180	1839		0.26 ppb	#	77

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

Data Path : C:\msdchem\1\data\2023\12 2023\1204\
 Data File : 3120104-05.D
 Acq On : 4 Dec 2023 4:06 pm
 Operator : JN
 Sample : 3120104-05
 Misc : CHEM05
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 09:10:00 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluorobenzene	5.065	168	1542074	50.00	ppb	#	0.00
33) 1,4-Difluorobenzene	5.813	114	2598549	50.00	ppb	#	0.00
51) Chlorobenzene-d5	8.703	117	2495229	50.00	ppb	#	0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1254945	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluoromethane	4.834	113	770635	51.89	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	945146	51.19	ppb		0.00
62) Toluene-d8	7.310	98	3017702	49.16	ppb		0.00
73) 4-Bromofluorobenzene	9.889	174	1073250	50.81	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0		N.D.		
3) 75-45-6!Chlorodifluoro...	0.000		0		N.D.		
4) 74-87-3!Chloromethane	1.725	50	2557	Below Cal	#		77
5) 75-01-4!Chloroethene (...)	0.000		0		N.D.		
6) 74-83-9!Bromomethane	2.090	94	2658	Below Cal	#		75
7) 75-00-3!Chloroethane	0.000		0		N.D.		
8) 75-69-4!Trichloromonof...	0.000		0		N.D.		
9) 107-02-8!Acrolein	0.000		0		N.D.		
10) 67-64-1!Acetone	2.619	43	9211	Below Cal			92
11) 75-35-4!1,1-Dichloroet...	0.000		0		N.D.		
12) 75-65-0!Tert-Butyl Alc...	0.000		0		N.D.		
13) 76-13-1!Freon 113	0.000		0		N.D.		
14) 70-20-9!Methyl Acetate	3.094	43	7417	Below Cal	#		72
15) 107-13-1!Acrylonitrile	0.000		0		N.D.		
16) 75-09-2!Methylene chlo...	3.197	49	3261	Below Cal	#		92
17) 75-15-0!Carbon disulfide	3.294	76	1015	0.44	ppb	#	1
18) 1634-04-4!MTBE	0.000		0		N.D.		
19) 156-60-5!trans[E]-1,2-...	0.000		0		N.D.		
20) 75-34-3!1,1-Dichloroet...	0.000		0		N.D.		
21) 108-05-4!Vinyl acetate	3.884	43	198		N.D.		
22) 78-93-3!2-Butanone (MEK)	0.000		0		N.D.		
23) 156-59-2!cis[Z]-1,2dic...	0.000		0		N.D.		
24) 594-20-7!2,2-Dichlorop...	0.000		0		N.D.		
25) 74-97-5!Bromochloromet...	0.000		0		N.D.		
26) 67-66-3!Chloroform	4.694	83	213		N.D.		
27) 71-55-6!1,1,1-Trichlor...	0.000		0		N.D.		
29) 107-06-2!1,2-Dichloroe...	5.338	62	2329	0.23	ppb	#	67
30) 563-58-6!1,1-Dichlorop...	5.369	75	186		N.D.		
31) 56-23-5!Carbon tetrach...	5.442	117	188		N.D.		
32) 71-43-2!Benzene	5.497	78	1503		N.D.		
34) 79-01-6!Trichloroethylene	0.000		0		N.D.		
35) 78-87-5!1,2-Dichloropr...	0.000		0		N.D.		
36) 74-95-3!Dibromomethane	0.000		0		N.D.		
37) 123-91-1!1,4 Dioxane	0.000		0		N.D.		
38) 75-27-4!Bromodichlorom...	0.000		0		N.D.		
39) 110-75-8!2-Chloroethyl...	0.000		0		N.D.		
40) 108-10-1!Methyl isobut...	0.000		0		N.D.		

41)	10061-01-5!cis [Z]-1,3-...	0.000		0		N.D.		
43)	108-88-3!Toluene	7.383	91	2803	0.12 ppb		94	
44)	10061-02-6!trans [E]-1,...	7.316	75	285		N.D.		
45)	79-00-5!1,1,2-Trichlor...	0.000		0		N.D.		
46)	591-78-6!2-Hexanone	0.000		0		N.D.		
47)	142-28-9!1,3-Dichlorop...	0.000		0		N.D.		
48)	124-48-1!Dibromochloro...	0.000		0		N.D.		
49)	127-18-4!Tetrachloroet...	0.000		0		N.D.		
50)	106-93-4!1,2-Dibromoet...	0.000		0		N.D.		
52)	108-90-7!Chlorobenzene	8.733	112	1459		N.D.		
53)	630-20-6!1,1,1,2-Tetra...	0.000		0		N.D.		
54)	100-41-4!Ethylbenzene	8.885	91	2936	0.09 ppb	#	52	
55)	1330-20-7!p&m-Xylene	8.995	91	4997	0.85 ppb	#	93	
56)	100-42-5!Styrene	9.354	104	2604	0.10 ppb	#	79	
57)	95-47-6!o-Xylene	9.384	91	2062		N.D.		
58)	75-25-2!Bromoform	0.000		0		N.D.		
59)	79-34-5!1,1,2,2-Tetrac...	0.000		0		N.D.		
60)	98-82-8!Isopropylbenzene	9.779	105	2567		N.D.		
61)	96-18-4!1,2,3-Trichlor...	0.000		0		N.D.		
63)	108-86-1!Bromobenzene	10.041	77	1384	0.09 ppb	#	68	
64)	103-65-1!n-Propylbenzene	10.181	91	5410	0.14 ppb	#	79	
65)	95-49-8!2-Chlorotoluene	10.260	91	2503	0.92 ppb	#	57	
66)	622-96-8!p-Ethyltoluene	10.303	105	6463	0.19 ppb	#	52	
67)	106-43-4!4-Chlorotoluene	10.333	91	4621	0.47 ppb	#	82	
68)	108-67-8!1,3,5-Trimeth...	10.376	105	2696	0.09 ppb	#	87	
69)	98-06-6!tert-Butylbenzene	0.000		0		N.D.		
70)	95-63-6!1,2,4-Trimethy...	10.735	105	5244	0.16 ppb	#	87	
71)	135-98-8!sec-Butylbenzene	10.935	105	4031	0.11 ppb	#	83	
74)	541-73-1!1,3-Dichlorob...	11.021	146	3817	0.21 ppb	#	91	
75)	99-87-6!p-Isopropyltol...	11.081	119	5348	0.17 ppb	#	45	
76)	106-46-7!1,4-Dichlorob...	11.112	146	4475	0.25 ppb	#	76	
77)	95-50-1!1,2-Dichlorobe...	11.422	146	2895	0.15 ppb		96	
78)	105-05-5!1,4-Diethylbe...	11.471	119	4571	0.25 ppb		94	
79)	104-51-8!n-Butylbenzene	11.483	91	7900	0.26 ppb		93	
80)	96-12-8!1,2-dibromo-3-...	0.000		0		N.D.		
81)	95-93-2!1,2,4,5-Tetram...	12.249	119	2431	0.10 ppb	#	73	
82)	120-82-1!1,2,4-Trichlo...	13.144	180	2473	0.29 ppb	#	85	
83)	91-20-3!Naphthalene	13.284	128	12555	0.70 ppb	#	92	
84)	87-68-3!Hexachlorobuta...	13.424	225	1216	0.29 ppb	#	86	
85)	87-61-6!1,2,3-Trichlor...	13.576	180	1819	0.26 ppb	#	87	

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

Data Path : C:\msdchem\1\data\2023\12 2023\1204\
 Data File : 3120104-06.D
 Acq On : 4 Dec 2023 4:31 pm
 Operator : JN
 Sample : 3120104-06
 Misc : CHEM05
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 09:10:37 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluorobenzene	5.065	168	1514162	50.00	ppb	#	0.00
33) 1,4-Difluorobenzene	5.813	114	2577251	50.00	ppb	#	0.00
51) Chlorobenzene-d5	8.703	117	2485169	50.00	ppb	#	0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1243954	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluoromethane	4.833	113	765672	52.50	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	921196	50.30	ppb		0.00
62) Toluene-d8	7.309	98	2975341	48.66	ppb		0.00
73) 4-Bromofluorobenzene	9.889	174	1060587	50.66	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0	N.D.			
3) 75-45-6!Chlorodifluoro...	0.000		0	N.D.			
4) 74-87-3!Chloromethane	1.731	50	2341	Below Cal	#		75
5) 75-01-4!Chloroethene (...)	0.000		0	N.D.			
6) 74-83-9!Bromomethane	2.084	94	2376	Below Cal	#		89
7) 75-00-3!Chloroethane	0.000		0	N.D.			
8) 75-69-4!Trichloromonof...	0.000		0	N.D.			
9) 107-02-8!Acrolein	2.558	56	212	0.16	ppb	#	1
10) 67-64-1!Acetone	2.613	43	23850	2.34	ppb		96
11) 75-35-4!1,1-Dichloroet...	0.000		0	N.D.			
12) 75-65-0!Tert-Butyl Alc...	0.000		0	N.D.			
13) 76-13-1!Freon 113	0.000		0	N.D.			
14) 70-20-9!Methyl Acetate	3.100	43	7714	Below Cal	#		64
15) 107-13-1!Acrylonitrile	0.000		0	N.D.			
16) 75-09-2!Methylene chlo...	3.203	49	3476	Below Cal	#		77
17) 75-15-0!Carbon disulfide	3.276	76	190	0.08	ppb	#	1
18) 1634-04-4!MTBE	0.000		0	N.D.			
19) 156-60-5!trans[E]-1,2-...	0.000		0	N.D.			
20) 75-34-3!1,1-Dichloroet...	0.000		0	N.D.			
21) 108-05-4!Vinyl acetate	3.927	43	187	N.D.			
22) 78-93-3!2-Butanone (MEK)	0.000		0	N.D.			
23) 156-59-2!cis[Z]-1,2dic...	0.000		0	N.D.			
24) 594-20-7!2,2-Dichlorop...	0.000		0	N.D.			
25) 74-97-5!Bromochloromet...	0.000		0	N.D.			
26) 67-66-3!Chloroform	4.687	83	224	N.D.			
27) 71-55-6!1,1,1-Trichlor...	0.000		0	N.D.			
29) 107-06-2!1,2-Dichloroe...	5.351	62	2233	0.23	ppb	#	51
30) 563-58-6!1,1-Dichlorop...	0.000		0	N.D.			
31) 56-23-5!Carbon tetrach...	0.000		0	N.D.			
32) 71-43-2!Benzene	5.497	78	1399	N.D.			
34) 79-01-6!Trichloroethylene	0.000		0	N.D.			
35) 78-87-5!1,2-Dichloropr...	0.000		0	N.D.			
36) 74-95-3!Dibromomethane	0.000		0	N.D.			
37) 123-91-1!1,4 Dioxane	0.000		0	N.D.			
38) 75-27-4!Bromodichlorom...	0.000		0	N.D.			
39) 110-75-8!2-Chloroethyl...	0.000		0	N.D.			
40) 108-10-1!Methyl isobut...	0.000		0	N.D.			

41)	10061-01-5!cis [Z] -1,3-...	0.000		0		N.D.		
43)	108-88-3!Toluene	7.382	91	2862		0.12 ppb	#	70
44)	10061-02-6!trans [E] -1,...	0.000		0		N.D.		
45)	79-00-5!1,1,2-Trichlor...	7.462	97	218		N.D.		
46)	591-78-6!2-Hexanone	0.000		0		N.D.		
47)	142-28-9!1,3-Dichlorop...	0.000		0		N.D.		
48)	124-48-1!Dibromochloro...	0.000		0		N.D.		
49)	127-18-4!Tetrachloroet...	8.088	166	243		N.D.		
50)	106-93-4!1,2-Dibromoet...	0.000		0		N.D.		
52)	108-90-7!Chlorobenzene	8.733	112	1213		N.D.		
53)	630-20-6!1,1,1,2-Tetra...	0.000		0		N.D.		
54)	100-41-4!Ethylbenzene	8.885	91	2212		N.D.		
55)	1330-20-7!p&m-Xylene	8.995	91	4454		0.83 ppb		94
56)	100-42-5!Styrene	9.354	104	2915		0.12 ppb	#	64
57)	95-47-6!o-Xylene	9.378	91	2108		N.D.		
58)	75-25-2!Bromoform	0.000		0		N.D.		
59)	79-34-5!1,1,2,2-Tetrac...	9.712	83	192		Below Cal	#	26
60)	98-82-8!Isopropylbenzene	9.779	105	2543		N.D.		
61)	96-18-4!1,2,3-Trichlor...	9.889	110	430		0.13 ppb	#	1
63)	108-86-1!Bromobenzene	10.035	77	1702		0.11 ppb	#	79
64)	103-65-1!n-Propylbenzene	10.187	91	4725		0.12 ppb	#	82
65)	95-49-8!2-Chlorotoluene	10.260	91	2568		0.92 ppb	#	78
66)	622-96-8!p-Ethyltoluene	10.309	105	6059		0.18 ppb	#	55
67)	106-43-4!4-Chlorotoluene	10.327	91	3475		0.42 ppb	#	87
68)	108-67-8!1,3,5-Trimeth...	10.370	105	3056		0.10 ppb	#	82
69)	98-06-6!tert-Butylbenzene	0.000		0		N.D.		
70)	95-63-6!1,2,4-Trimethy...	10.735	105	4878		0.15 ppb	#	74
71)	135-98-8!sec-Butylbenzene	10.935	105	3703		0.10 ppb	#	89
74)	541-73-1!1,3-Dichlorob...	11.020	146	3074		0.17 ppb		92
75)	99-87-6!p-Isopropyltol...	11.081	119	4346		0.14 ppb	#	19
76)	106-46-7!1,4-Dichlorob...	11.112	146	4051		0.23 ppb	#	75
77)	95-50-1!1,2-Dichlorobe...	11.422	146	2512		0.13 ppb	#	74
78)	105-05-5!1,4-Diethylbe...	11.477	119	4654		0.26 ppb	#	84
79)	104-51-8!n-Butylbenzene	11.483	91	7357		0.24 ppb		97
80)	96-12-8!1,2-dibromo-3-...	0.000		0		N.D.		
81)	95-93-2!1,2,4,5-Tetram...	12.243	119	2348		0.10 ppb	#	71
82)	120-82-1!1,2,4-Trichlo...	13.144	180	1977		0.24 ppb	#	80
83)	91-20-3!Naphthalene	13.290	128	10173		0.57 ppb	#	84
84)	87-68-3!Hexachlorobuta...	13.423	225	1232		0.30 ppb		94
85)	87-61-6!1,2,3-Trichlor...	13.576	180	1113		0.16 ppb	#	53

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

Data Path : C:\msdchem\1\data\2023\12 2023\1204\
 Data File : 3120104-07.D
 Acq On : 4 Dec 2023 4:56 pm
 Operator : JN
 Sample : 3120104-07
 Misc : CHEM05
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 05 09:10:59 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluourobenezene	5.064	168	1563761	50.00	ppb	#	0.00
33) 1,4-Difluourobenezene	5.813	114	2645071	50.00	ppb	#	0.00
51) Chlorobenezene-d5	8.702	117	2535043	50.00	ppb	#	0.00
72) 1,4-Dichlorobenezene-d4	11.081	152	1265767	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluouromethane	4.833	113	786881	52.25	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	951972	50.65	ppb		0.00
62) Toluene-d8	7.309	98	3060970	49.08	ppb		0.00
73) 4-Bromofluourobenezene	9.889	174	1086871	51.02	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0		N.D.		
3) 75-45-6!Chlorodifluoro...	0.000		0		N.D.		
4) 74-87-3!Chloromethane	1.731	50	2720		N.D.		
5) 75-01-4!Chloroethene (...)	0.000		0		N.D.		
6) 74-83-9!Bromomethane	2.090	94	2437	Below	Cal	#	86
7) 75-00-3!Chloroethane	0.000		0		N.D.		
8) 75-69-4!Trichloromonof...	0.000		0		N.D.		
9) 107-02-8!Acrolein	2.552	56	190	0.14	ppb	#	1
10) 67-64-1!Acetone	2.619	43	12806	Below	Cal		95
11) 75-35-4!1,1-Dichloroet...	0.000		0		N.D.		
12) 75-65-0!Tert-Butyl Alc...	0.000		0		N.D.		
13) 76-13-1!Freon 113	0.000		0		N.D.		
14) 70-20-9!Methyl Acetate	3.099	43	7855	Below	Cal	#	69
15) 107-13-1!Acrylonitrile	0.000		0		N.D.		
16) 75-09-2!Methylene chlo...	3.203	49	4663	Below	Cal	#	87
17) 75-15-0!Carbon disulfide	3.276	76	1187	0.50	ppb	#	1
18) 1634-04-4!MTBE	0.000		0		N.D.		
19) 156-60-5!trans[E]-1,2-...	0.000		0		N.D.		
20) 75-34-3!1,1-Dichloroet...	0.000		0		N.D.		
21) 108-05-4!Vinyl acetate	4.085	43	6865	0.39	ppb	#	75
22) 78-93-3!2-Butanone (MEK)	0.000		0		N.D.		
23) 156-59-2!cis[Z]-1,2dic...	0.000		0		N.D.		
24) 594-20-7!2,2-Dichlorop...	0.000		0		N.D.		
25) 74-97-5!Bromochloromet...	0.000		0		N.D.		
26) 67-66-3!Chloroform	4.693	83	4851	0.36	ppb	#	94
27) 71-55-6!1,1,1-Trichlor...	0.000		0		N.D.		
29) 107-06-2!1,2-Dichloroe...	5.338	62	1886	0.19	ppb	#	51
30) 563-58-6!1,1-Dichlorop...	0.000		0		N.D.		
31) 56-23-5!Carbon tetrach...	0.000		0		N.D.		
32) 71-43-2!Benzene	5.503	78	1371		N.D.		
34) 79-01-6!Trichloroethylene	0.000		0		N.D.		
35) 78-87-5!1,2-Dichloropr...	0.000		0		N.D.		
36) 74-95-3!Dibromomethane	0.000		0		N.D.		
37) 123-91-1!1,4 Dioxane	0.000		0		N.D.		
38) 75-27-4!Bromodichlorom...	0.000		0		N.D.		
39) 110-75-8!2-Chloroethyl...	0.000		0		N.D.		
40) 108-10-1!Methyl isobut...	0.000		0		N.D.		

41)	10061-01-5!cis[Z]-1,3-...	0.000		0		N.D.		
43)	108-88-3!Toluene	7.388	91	3480		0.14 ppb		97
44)	10061-02-6!trans[E]-1,...	0.000		0		N.D.		
45)	79-00-5!1,1,2-Trichlor...	0.000		0		N.D.		
46)	591-78-6!2-Hexanone	0.000		0		N.D.		
47)	142-28-9!1,3-Dichlorop...	0.000		0		N.D.		
48)	124-48-1!Dibromochloro...	8.082	129	192		N.D.		
49)	127-18-4!Tetrachloroet...	8.088	166	486		0.10 ppb	#	53
50)	106-93-4!1,2-Dibromoet...	0.000		0		N.D.		
52)	108-90-7!Chlorobenzene	8.739	112	1192		N.D.		
53)	630-20-6!1,1,1,2-Tetra...	0.000		0		N.D.		
54)	100-41-4!Ethylbenzene	8.885	91	2433		N.D.		
55)	1330-20-7!p&m-Xylene	8.994	91	4890		0.84 ppb	#	92
56)	100-42-5!Styrene	9.359	104	1806		N.D.		
57)	95-47-6!o-Xylene	9.384	91	1724		N.D.		
58)	75-25-2!Bromoform	0.000		0		N.D.		
59)	79-34-5!1,1,2,2-Tetrac...	0.000		0		N.D.		
60)	98-82-8!Isopropylbenzene	9.779	105	1804		N.D.		
61)	96-18-4!1,2,3-Trichlor...	9.889	110	185		N.D.		
63)	108-86-1!Bromobenzene	10.029	77	1376		0.09 ppb	#	64
64)	103-65-1!n-Propylbenzene	10.187	91	4464		0.11 ppb	#	80
65)	95-49-8!2-Chlorotoluene	10.266	91	2171		0.91 ppb	#	43
66)	622-96-8!p-Ethyltoluene	10.302	105	5195		0.15 ppb	#	69
67)	106-43-4!4-Chlorotoluene	10.327	91	2813		0.39 ppb	#	58
68)	108-67-8!1,3,5-Trimeth...	10.363	105	2528		0.08 ppb	#	92
69)	98-06-6!tert-Butylbenzene	0.000		0		N.D.		
70)	95-63-6!1,2,4-Trimethy...	10.740	105	4308		0.13 ppb	#	89
71)	135-98-8!sec-Butylbenzene	10.935	105	3362		0.09 ppb	#	75
74)	541-73-1!1,3-Dichlorob...	11.020	146	2732		0.15 ppb	#	88
75)	99-87-6!p-Isopropyltol...	11.081	119	3625		0.12 ppb	#	3
76)	106-46-7!1,4-Dichlorob...	11.112	146	3446		0.19 ppb	#	65
77)	95-50-1!1,2-Dichlorobe...	11.422	146	2454		0.13 ppb	#	86
78)	105-05-5!1,4-Diethylbe...	11.470	119	3806		0.21 ppb		91
79)	104-51-8!n-Butylbenzene	11.483	91	6902		0.22 ppb		89
80)	96-12-8!1,2-dibromo-3-...	0.000		0		N.D.		
81)	95-93-2!1,2,4,5-Tetram...	12.243	119	1941		N.D.		
82)	120-82-1!1,2,4-Trichlo...	13.143	180	1380		0.16 ppb	#	88
83)	91-20-3!Naphthalene	13.289	128	7892		0.44 ppb	#	87
84)	87-68-3!Hexachlorobuta...	13.417	225	1361		0.32 ppb	#	67
85)	87-61-6!1,2,3-Trichlor...	13.575	180	1049		0.15 ppb	#	79

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

Data Path : C:\msdchem\1\data\2023\12 2023\1204\
 Data File : 3120104-08.D
 Acq On : 4 Dec 2023 5:20 pm
 Operator : JN
 Sample : 3120104-08
 Misc : CHEM05
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 05 09:11:53 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluorobenzene	5.065	168	1552701	50.00	ppb	#	0.00
33) 1,4-Difluorobenzene	5.813	114	2614106	50.00	ppb	#	0.00
51) Chlorobenzene-d5	8.703	117	2546458	50.00	ppb	#	0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1244194	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluoromethane	4.834	113	781970	52.29	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	952916	51.30	ppb		0.00
62) Toluene-d8	7.310	98	3022833	48.25	ppb		0.00
73) 4-Bromofluorobenzene	9.889	174	1087981	51.95	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0	N.D.			
3) 75-45-6!Chlorodifluoro...	0.000		0	N.D.			
4) 74-87-3!Chloromethane	1.731	50	2564	Below Cal	#		89
5) 75-01-4!Chloroethene (...)	0.000		0	N.D.			
6) 74-83-9!Bromomethane	2.090	94	2548	Below Cal	#		91
7) 75-00-3!Chloroethane	0.000		0	N.D.			
8) 75-69-4!Trichloromonof...	0.000		0	N.D.			
9) 107-02-8!Acrolein	2.564	56	185	0.13	ppb	#	1
10) 67-64-1!Acetone	2.619	43	13015	Below Cal			94
11) 75-35-4!1,1-Dichloroet...	0.000		0	N.D.			
12) 75-65-0!tert-Butyl Alc...	0.000		0	N.D.			
13) 76-13-1!Freon 113	0.000		0	N.D.			
14) 70-20-9!Methyl Acetate	3.094	43	6674	Below Cal	#		60
15) 107-13-1!Acrylonitrile	0.000		0	N.D.			
16) 75-09-2!Methylene chlo...	3.203	49	3728	Below Cal	#		91
17) 75-15-0!Carbon disulfide	3.282	76	762	0.32	ppb	#	1
18) 1634-04-4!MTBE	0.000		0	N.D.			
19) 156-60-5!trans[E]-1,2-...	0.000		0	N.D.			
20) 75-34-3!1,1-Dichloroet...	0.000		0	N.D.			
21) 108-05-4!Vinyl acetate	4.091	43	3426	0.19	ppb	#	75
22) 78-93-3!2-Butanone (MEK)	0.000		0	N.D.			
23) 156-59-2!cis[Z]-1,2dic...	0.000		0	N.D.			
24) 594-20-7!2,2-Dichlorop...	0.000		0	N.D.			
25) 74-97-5!Bromochloromet...	0.000		0	N.D.			
26) 67-66-3!Chloroform	4.694	83	3579	0.27	ppb	#	96
27) 71-55-6!1,1,1-Trichlor...	0.000		0	N.D.			
29) 107-06-2!1,2-Dichloroe...	5.345	62	2059	0.20	ppb	#	51
30) 563-58-6!1,1-Dichlorop...	0.000		0	N.D.			
31) 56-23-5!Carbon tetrach...	0.000		0	N.D.			
32) 71-43-2!Benzene	5.497	78	1509	N.D.			
34) 79-01-6!Trichloroethylene	0.000		0	N.D.			
35) 78-87-5!1,2-Dichloropr...	0.000		0	N.D.			
36) 74-95-3!Dibromomethane	0.000		0	N.D.			
37) 123-91-1!1,4 Dioxane	0.000		0	N.D.			
38) 75-27-4!Bromodichlorom...	0.000		0	N.D.			
39) 110-75-8!2-Chloroethyl...	0.000		0	N.D.			
40) 108-10-1!Methyl isobut...	0.000		0	N.D.			

41)	10061-01-5!cis[Z]-1,3-...	0.000		0		N.D.		
43)	108-88-3!Toluene	7.383	91	3207		0.13 ppb		91
44)	10061-02-6!trans[E]-1,...	0.000		0		N.D.		
45)	79-00-5!1,1,2-Trichlor...	7.474	97	194		N.D.		
46)	591-78-6!2-Hexanone	0.000		0		N.D.		
47)	142-28-9!1,3-Dichlorop...	0.000		0		N.D.		
48)	124-48-1!Dibromochloro...	0.000		0		N.D.		
49)	127-18-4!Tetrachloroet...	0.000		0		N.D.		
50)	106-93-4!1,2-Dibromoet...	0.000		0		N.D.		
52)	108-90-7!Chlorobenzene	8.739	112	919		N.D.		
53)	630-20-6!1,1,1,2-Tetra...	0.000		0		N.D.		
54)	100-41-4!Ethylbenzene	8.879	91	2059		N.D.		
55)	1330-20-7!p&m-Xylene	8.995	91	4726		0.83 ppb		91
56)	100-42-5!Styrene	9.354	104	1832		N.D.		
57)	95-47-6!o-Xylene	9.384	91	1623		N.D.		
58)	75-25-2!Bromoform	0.000		0		N.D.		
59)	79-34-5!1,1,2,2-Tetrac...	0.000		0		N.D.		
60)	98-82-8!Isopropylbenzene	9.779	105	1823		N.D.		
61)	96-18-4!1,2,3-Trichlor...	0.000		0		N.D.		
63)	108-86-1!Bromobenzene	10.035	77	813		N.D.		
64)	103-65-1!n-Propylbenzene	10.187	91	4177		0.10 ppb	#	73
65)	95-49-8!2-Chlorotoluene	10.260	91	2119		0.90 ppb	#	43
66)	622-96-8!p-Ethyltoluene	10.303	105	5099		0.15 ppb	#	51
67)	106-43-4!4-Chlorotoluene	10.333	91	3368		0.41 ppb		93
68)	108-67-8!1,3,5-Trimeth...	10.370	105	1733		N.D.		
69)	98-06-6!tert-Butylbenzene	0.000		0		N.D.		
70)	95-63-6!1,2,4-Trimethy...	10.729	105	4773		0.14 ppb	#	81
71)	135-98-8!sec-Butylbenzene	10.935	105	2865		N.D.		
74)	541-73-1!1,3-Dichlorob...	11.014	146	2482		0.14 ppb	#	82
75)	99-87-6!p-Isopropyltol...	11.081	119	3671		0.12 ppb	#	5
76)	106-46-7!1,4-Dichlorob...	11.106	146	3635		0.21 ppb	#	74
77)	95-50-1!1,2-Dichlorobe...	11.422	146	1851		0.10 ppb	#	66
78)	105-05-5!1,4-Diethylbe...	11.471	119	3181		0.18 ppb		98
79)	104-51-8!n-Butylbenzene	11.477	91	5670		0.19 ppb		93
80)	96-12-8!1,2-dibromo-3-...	0.000		0		N.D.		
81)	95-93-2!1,2,4,5-Tetram...	12.249	119	1566		N.D.		
82)	120-82-1!1,2,4-Trichlo...	13.144	180	931		0.11 ppb	#	35
83)	91-20-3!Naphthalene	13.290	128	6771		0.38 ppb	#	88
84)	87-68-3!Hexachlorobuta...	13.424	225	1126		0.27 ppb	#	68
85)	87-61-6!1,2,3-Trichlor...	13.576	180	599		0.09 ppb	#	38

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

Data Path : C:\msdchem\1\data\2023\12 2023\1204\
 Data File : 3120104-09.D
 Acq On : 4 Dec 2023 5:45 pm
 Operator : JN
 Sample : 3120104-09
 Misc : CHEM05
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 05 09:12:42 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluorobenzene	5.065	168	1561137	50.00	ppb	#	0.00
33) 1,4-Difluorobenzene	5.807	114	2603542	50.00	ppb	#	0.00
51) Chlorobenzene-d5	8.703	117	2507249	50.00	ppb	#	0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1253228	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluoromethane	4.834	113	777394	51.70	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	960320	51.91	ppb		0.00
62) Toluene-d8	7.310	98	3034747	49.20	ppb		0.00
73) 4-Bromofluorobenzene	9.889	174	1072039	50.82	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0	N.D.			
3) 75-45-6!Chlorodifluoro...	0.000		0	N.D.			
4) 74-87-3!Chloromethane	1.731	50	2351	Below Cal	#		86
5) 75-01-4!Chloroethene (...)	0.000		0	N.D.			
6) 74-83-9!Bromomethane	2.090	94	2904	Below Cal	#		69
7) 75-00-3!Chloroethane	0.000		0	N.D.			
8) 75-69-4!Trichloromonof...	0.000		0	N.D.			
9) 107-02-8!Acrolein	2.552	56	191	0.14	ppb	#	1
10) 67-64-1!Acetone	2.619	43	18282	0.28	ppb		99
11) 75-35-4!1,1-Dichloroet...	0.000		0	N.D.			
12) 75-65-0!Tert-Butyl Alc...	0.000		0	N.D.			
13) 76-13-1!Freon 113	0.000		0	N.D.			
14) 70-20-9!Methyl Acetate	3.106	43	7130	Below Cal	#		65
15) 107-13-1!Acrylonitrile	0.000		0	N.D.			
16) 75-09-2!Methylene chlo...	3.197	49	15140	0.18	ppb	#	93
17) 75-15-0!Carbon disulfide	3.288	76	861	0.37	ppb	#	1
18) 1634-04-4!MTBE	0.000		0	N.D.			
19) 156-60-5!trans[E]-1,2-...	0.000		0	N.D.			
20) 75-34-3!1,1-Dichloroet...	0.000		0	N.D.			
21) 108-05-4!Vinyl acetate	4.085	43	9948	0.56	ppb	#	90
22) 78-93-3!2-Butanone (MEK)	0.000		0	N.D.			
23) 156-59-2!cis[Z]-1,2dic...	0.000		0	N.D.			
24) 594-20-7!2,2-Dichlorop...	0.000		0	N.D.			
25) 74-97-5!Bromochloromet...	0.000		0	N.D.			
26) 67-66-3!Chloroform	4.694	83	5926	0.44	ppb	#	94
27) 71-55-6!1,1,1-Trichlor...	0.000		0	N.D.			
29) 107-06-2!1,2-Dichloroe...	5.345	62	1913	0.19	ppb	#	1
30) 563-58-6!1,1-Dichlorop...	0.000		0	N.D.			
31) 56-23-5!Carbon tetrach...	0.000		0	N.D.			
32) 71-43-2!Benzene	5.509	78	1188	N.D.			
34) 79-01-6!Trichloroethylene	0.000		0	N.D.			
35) 78-87-5!1,2-Dichloropr...	0.000		0	N.D.			
36) 74-95-3!Dibromomethane	0.000		0	N.D.			
37) 123-91-1!1,4 Dioxane	0.000		0	N.D.			
38) 75-27-4!Bromodichlorom...	0.000		0	N.D.			
39) 110-75-8!2-Chloroethyl...	0.000		0	N.D.			
40) 108-10-1!Methyl isobut...	0.000		0	N.D.			

41)	10061-01-5!cis[Z]-1,3-...	0.000		0		N.D.		
43)	108-88-3!Toluene	7.383	91	2625	0.11 ppb	#	80	
44)	10061-02-6!trans[E]-1,...	7.316	75	426		N.D.		
45)	79-00-5!1,1,2-Trichlor...	7.462	97	189		N.D.		
46)	591-78-6!2-Hexanone	0.000		0		N.D.		
47)	142-28-9!1,3-Dichlorop...	0.000		0		N.D.		
48)	124-48-1!Dibromochloro...	0.000		0		N.D.		
49)	127-18-4!Tetrachloroet...	8.094	166	199		N.D.		
50)	106-93-4!1,2-Dibromoet...	0.000		0		N.D.		
52)	108-90-7!Chlorobenzene	8.733	112	1119		N.D.		
53)	630-20-6!1,1,1,2-Tetra...	0.000		0		N.D.		
54)	100-41-4!Ethylbenzene	8.885	91	1877		N.D.		
55)	1330-20-7!p&m-Xylene	9.001	91	4900	0.84 ppb	#	93	
56)	100-42-5!Styrene	9.354	104	1625		N.D.		
57)	95-47-6!o-Xylene	9.384	91	1506		N.D.		
58)	75-25-2!Bromoform	0.000		0		N.D.		
59)	79-34-5!1,1,2,2-Tetrac...	0.000		0		N.D.		
60)	98-82-8!Isopropylbenzene	9.773	105	2164		N.D.		
61)	96-18-4!1,2,3-Trichlor...	9.889	110	444	0.13 ppb	#	1	
63)	108-86-1!Bromobenzene	10.029	77	1058		N.D.		
64)	103-65-1!n-Propylbenzene	10.187	91	3584	0.09 ppb	#	81	
65)	95-49-8!2-Chlorotoluene	10.260	91	1621	0.89 ppb	#	64	
66)	622-96-8!p-Ethyltoluene	10.309	105	4470	0.13 ppb	#	58	
67)	106-43-4!4-Chlorotoluene	10.327	91	2861	0.40 ppb	#	85	
68)	108-67-8!1,3,5-Trimeth...	10.370	105	1931		N.D.		
69)	98-06-6!tert-Butylbenzene	0.000		0		N.D.		
70)	95-63-6!1,2,4-Trimethy...	10.735	105	3747	0.11 ppb	#	79	
71)	135-98-8!sec-Butylbenzene	10.935	105	2978	0.08 ppb	#	74	
74)	541-73-1!1,3-Dichlorob...	11.014	146	2545	0.14 ppb		91	
75)	99-87-6!p-Isopropyltol...	11.081	119	3781	0.12 ppb	#	29	
76)	106-46-7!1,4-Dichlorob...	11.112	146	2726	0.15 ppb	#	1	
77)	95-50-1!1,2-Dichlorobe...	11.422	146	1393		N.D.		
78)	105-05-5!1,4-Diethylbe...	11.471	119	3585	0.20 ppb	#	81	
79)	104-51-8!n-Butylbenzene	11.483	91	5401	0.18 ppb	#	91	
80)	96-12-8!1,2-dibromo-3-...	0.000		0		N.D.		
81)	95-93-2!1,2,4,5-Tetram...	12.243	119	1560		N.D.		
82)	120-82-1!1,2,4-Trichlo...	13.144	180	1499	0.18 ppb	#	57	
83)	91-20-3!Naphthalene	13.290	128	6219	0.35 ppb	#	83	
84)	87-68-3!Hexachlorobuta...	13.424	225	932	0.22 ppb	#	69	
85)	87-61-6!1,2,3-Trichlor...	13.576	180	1049	0.15 ppb	#	31	

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

Data Path : C:\msdchem\1\data\2023\12 2023\1204\
 Data File : 3120104-10.D
 Acq On : 4 Dec 2023 6:09 pm
 Operator : JN
 Sample : 3120104-10
 Misc : CHEM05
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 05 09:13:00 2023
 Quant Method : C:\msdchem\1\methods\20231130.M
 Quant Title : EPA 8260 Multi point calibration
 QLast Update : Fri Dec 01 14:25:51 2023
 Response via : Initial Calibration

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

Internal Standards							
1) Pentafluorobenzene	5.065	168	1547875	50.00	ppb	#	0.00
33) 1,4-Difluorobenzene	5.813	114	2610632	50.00	ppb	#	0.00
51) Chlorobenzene-d5	8.703	117	2519408	50.00	ppb	#	0.00
72) 1,4-Dichlorobenzene-d4	11.081	152	1244613	50.00	ppb		0.00
System Monitoring Compounds							
28) Dibromofluoromethane	4.833	113	771597	51.76	ppb		0.00
42) 1,2-Dichloroethane-d4	5.265	65	945977	50.99	ppb		0.00
62) Toluene-d8	7.309	98	3005496	48.49	ppb		0.00
73) 4-Bromofluorobenzene	9.889	174	1079035	51.51	ppb		0.00
Target Compounds							
							Qvalue
2) 75-71-8!Dichlorodifluo...	0.000		0		N.D.		
3) 75-45-6!Chlorodifluoro...	0.000		0		N.D.		
4) 74-87-3!Chloromethane	1.731	50	2372	Below Cal	#		75
5) 75-01-4!Chloroethene (...)	0.000		0		N.D.		
6) 74-83-9!Bromomethane	2.096	94	2582	Below Cal	#		81
7) 75-00-3!Chloroethane	0.000		0		N.D.		
8) 75-69-4!Trichloromonof...	0.000		0		N.D.		
9) 107-02-8!Acrolein	0.000		0		N.D.		
10) 67-64-1!Acetone	2.613	43	9594	Below Cal			91
11) 75-35-4!1,1-Dichloroet...	0.000		0		N.D.		
12) 75-65-0!Tert-Butyl Alc...	0.000		0		N.D.		
13) 76-13-1!Freon 113	0.000		0		N.D.		
14) 70-20-9!Methyl Acetate	3.100	43	7926	Below Cal	#		61
15) 107-13-1!Acrylonitrile	0.000		0		N.D.		
16) 75-09-2!Methylene chlo...	3.203	49	22537	1.11	ppb	#	94
17) 75-15-0!Carbon disulfide	3.288	76	762	0.33	ppb	#	1
18) 1634-04-4!MTBE	0.000		0		N.D.		
19) 156-60-5!trans[E]-1,2-...	0.000		0		N.D.		
20) 75-34-3!1,1-Dichloroet...	0.000		0		N.D.		
21) 108-05-4!Vinyl acetate	4.073	43	7665	0.43	ppb		99
22) 78-93-3!2-Butanone (MEK)	0.000		0		N.D.		
23) 156-59-2!cis[Z]-1,2dic...	0.000		0		N.D.		
24) 594-20-7!2,2-Dichlorop...	0.000		0		N.D.		
25) 74-97-5!Bromochloromet...	0.000		0		N.D.		
26) 67-66-3!Chloroform	4.699	83	233		N.D.		
27) 71-55-6!1,1,1-Trichlor...	0.000		0		N.D.		
29) 107-06-2!1,2-Dichloroe...	5.344	62	2232	0.22	ppb	#	58
30) 563-58-6!1,1-Dichlorop...	0.000		0		N.D.		
31) 56-23-5!Carbon tetrach...	0.000		0		N.D.		
32) 71-43-2!Benzene	5.496	78	1254		N.D.		
34) 79-01-6!Trichloroethylene	0.000		0		N.D.		
35) 78-87-5!1,2-Dichloropr...	0.000		0		N.D.		
36) 74-95-3!Dibromomethane	0.000		0		N.D.		
37) 123-91-1!1,4 Dioxane	0.000		0		N.D.		
38) 75-27-4!Bromodichlorom...	0.000		0		N.D.		
39) 110-75-8!2-Chloroethyl...	0.000		0		N.D.		
40) 108-10-1!Methyl isobut...	0.000		0		N.D.		

41)	10061-01-5!cis[Z]-1,3-...	0.000		0				N.D.
43)	108-88-3!Toluene	7.382	91	1793				N.D.
44)	10061-02-6!trans[E]-1,...	0.000		0				N.D.
45)	79-00-5!1,1,2-Trichlor...	0.000		0				N.D.
46)	591-78-6!2-Hexanone	0.000		0				N.D.
47)	142-28-9!1,3-Dichlorop...	0.000		0				N.D.
48)	124-48-1!Dibromochloro...	0.000		0				N.D.
49)	127-18-4!Tetrachloroet...	0.000		0				N.D.
50)	106-93-4!1,2-Dibromoet...	0.000		0				N.D.
52)	108-90-7!Chlorobenzene	8.739	112	598				N.D.
53)	630-20-6!1,1,1,2-Tetra...	0.000		0				N.D.
54)	100-41-4!Ethylbenzene	8.891	91	1429				N.D.
55)	1330-20-7!p&m-Xylene	9.001	91	3056	0.76	ppb	#	94
56)	100-42-5!Styrene	9.360	104	1511				N.D.
57)	95-47-6!o-Xylene	9.378	91	1204				N.D.
58)	75-25-2!Bromoform	0.000		0				N.D.
59)	79-34-5!1,1,2,2-Tetrac...	0.000		0				N.D.
60)	98-82-8!Isopropylbenzene	9.773	105	1756				N.D.
61)	96-18-4!1,2,3-Trichlor...	0.000		0				N.D.
63)	108-86-1!Bromobenzene	10.041	77	762				N.D.
64)	103-65-1!n-Propylbenzene	10.181	91	3130				N.D.
65)	95-49-8!2-Chlorotoluene	10.266	91	1608	0.88	ppb	#	65
66)	622-96-8!p-Ethyltoluene	10.302	105	3480	0.10	ppb	#	37
67)	106-43-4!4-Chlorotoluene	10.321	91	3155	0.41	ppb	#	68
68)	108-67-8!1,3,5-Trimeth...	10.369	105	1924				N.D.
69)	98-06-6!tert-Butylbenzene	0.000		0				N.D.
70)	95-63-6!1,2,4-Trimethy...	10.734	105	3305	0.10	ppb	#	85
71)	135-98-8!sec-Butylbenzene	10.929	105	2746				N.D.
74)	541-73-1!1,3-Dichlorob...	11.014	146	2058	0.11	ppb	#	81
75)	99-87-6!p-Isopropyltol...	11.075	119	3396	0.11	ppb	#	2
76)	106-46-7!1,4-Dichlorob...	11.112	146	2759	0.16	ppb	#	73
77)	95-50-1!1,2-Dichlorobe...	11.422	146	1838	0.10	ppb		89
78)	105-05-5!1,4-Diethylbe...	11.471	119	3375	0.19	ppb	#	75
79)	104-51-8!n-Butylbenzene	11.483	91	4789	0.16	ppb		95
80)	96-12-8!1,2-dibromo-3-...	0.000		0				N.D.
81)	95-93-2!1,2,4,5-Tetram...	12.243	119	1359				N.D.
82)	120-82-1!1,2,4-Trichlo...	13.144	180	969	0.12	ppb	#	81
83)	91-20-3!Naphthalene	13.290	128	5069	0.29	ppb	#	84
84)	87-68-3!Hexachlorobuta...	13.423	225	867	0.21	ppb	#	50
85)	87-61-6!1,2,3-Trichlor...	13.575	180	278				N.D.

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