

June 22, 2021

Caroline Jalanti
New York State Department of Environmental Conservation
625 Broadway, 12th floor
Albany, NY 12233-7015

RE: Ronhill Cleaners, NYSDEC Site No. 130071 - Bi-Monthly O&M Report

Dear Ms. Jalanti:

This document represents the bi-monthly status report for the soil vapor extraction (SVE) system currently operating at the above referenced site. The report summarizes and processes all of the maintenance and monitoring activities conducted May through June 2021.

Routine Operation & Maintenance

Routine O&M activities were conducted on 5/10/21, 5/24/21, 6/7/21, and 6/21/21. O&M activities include the collection of operating data such as system pressures and air flow rates, and any additional monitoring information required to optimize overall system performance, or as requested. Maintenance is performed as required to minimize down time. During routine site visits, mechanical components are checked and serviced according to the manufacturer's specifications. Air flow rates and system pressures are measured via flow/pressure indicating gauges where applicable, or using a digital manometer and/or air velocity meter at system sample locations. Concentrations of volatile organic compounds (VOCs) in the system's influent and effluent air streams are monitored bi-weekly using a photo-ionization detector (PID). Prior to use, the PID is calibrated using a 100 ppm isobutylene standard and ambient air.

The following table summarizes system operations from 5/10/21 to 6/21/21:

PARAMETER	OBSERVED RANGE
VES-1A Vacuum ("WC)	-2.1 to -2.5
VES-2A Vacuum ("WC)	-2.0 to -2.4
VES-3A Vacuum ("WC)	-1.9 *
VES-4 Vacuum ("WC)	Closed
VES-5A Vacuum ("WC)	-2.0 to -2.7 *



Blower Discharge Flow (CFM)	344 to 411

* - VES-3A was inaccessible on 5/10, 5/24, 6/21. VES-5A was inaccessible on 6/21.

A complete system data log, containing all monitoring data recorded to date, is provided in an accompanying *.xls (Microsoft Excel 97-2003) format file.

O&M Chronology

5/10/21 - EAR was onsite for routine site inspection. The system was operating upon arrival to and departure from the site.

5/24/21 - EAR was onsite for routine site inspection. The system was operating upon arrival to and departure from the site.

6/7/21 - EAR was onsite for routine site inspection. The system was operating upon arrival to and departure from the site. System air samples were collected from the carbon influent and effluent air streams.

6/21/21 - EAR was onsite for routine site inspection. The system was operating upon arrival to and departure from the site. Heat tape was turned off for the season.

Recovery & Emissions

System air samples were collected from the vapor-phase granular activated carbon (GAC) system's influent and effluent sample locations on 6/7/21. The air samples were collected in 6-liter passivated Summa canisters, and submitted to Test America Inc. (Knoxville, TN) for analysis via EPA Method TO-15.

The following table summarizes recovery and emissions for select parameters:

GAC Influent: Observed Tetrachloroethene Concentration (6/7/21):	7,300 ug/m ³
GAC Influent: Observed Tetrachloroethene Recovery (6/7/21):	0.226 lbs/day
GAC Influent: Observed Total VOC Concentration (6/7/21):	7,300 ug/m ³
GAC Influent: Observed Total VOC Recovery (6/7/21):	0.226 lbs/day
GAC Effluent: Observed Tetrachloroethene Concentration (6/7/21):	5.1 ug/m ³
GAC Effluent: Observed Tetrachloroethene Emissions (6/7/21):	0.0002 lbs/day
GAC Effluent: Observed Total VOC Concentration (6/7/21):	46.2 ug/m ³



GAC Effluent: Observed Total VOC Emissions (6/7/21):	0.001 lbs/day

Contaminant recovery for select parameters is detailed in Table 1. Emissions rates for select parameters are provided in Table 2. The laboratory analytical reports are provided as Appendix A.

Condensate Management

During the time period covered by this report, the discharge flow meter indicates that no condensate has been accumulated and discharged by the system. Please note, however, that during previous site visits, the discharge flow meter has been observed to operate only intermittently. The meter has been removed, cleaned, and reinstalled, but this did not correct meter operation.

Should you have any questions regarding the activities or data detailed in this report, please feel free to contact me at 631.241.8741.

Sincerely,

Ian Hofmann
Project Manager

Cc:
J. Lawrence (EAR)



TABLES

Table 1: Vapor Phase Recovery

Table 2: Effluent Emissions

Table 1

Ronhill Cleaners
71 Forest Ave
Glen Cove, NY
Site # 130071



Vapor Phase Recovery - Select Contaminants
GAC-Influent
EPA Method TO-15
ALS Labs (11/2015 - 7/2017), Test America Inc. (9/2017 -)

Date	Flow Rate (CFM)	Tetrachloroethene				Trichloroethene				1,2-Dichloroethene				1,2-Dichloroethane				Total VOC			
		Recovery Rate				Recovery Rate				Recovery Rate				Recovery Rate				Recovery Rate			
		PCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	TCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	1,2-DCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	1,2-DCA (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	Total VOC (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)
11/04/15	380.0	9,700	0.01381	0.331	0.000	19	0.00003	0.001	0.000	<16	0.00000	0.000	0.000	<8	0.00000	0.000	0.000	13,653	0.01944	0.467	0.000
01/28/16	378.0	2,700	0.00382	0.092	28.173	<6	0.00000	0.000	0.055	<10	0.00000	0.000	0.000	<5	0.00000	0.000	0.000	18,817	0.02665	0.640	39.656
03/23/16	383.0	8,800	0.01263	0.303	33.221	<6	0.00000	0.000	0.055	<10	0.00000	0.000	0.000	<5	0.00000	0.000	0.000	10,714	0.01537	0.369	74.833
05/05/16	370.0	11,000	0.01525	0.366	46.253	<11	0.00000	0.000	0.055	<16	0.00000	0.000	0.000	<8	0.00000	0.000	0.000	11,202	0.01553	0.373	90.699
07/13/16	375.0	3,100	0.00436	0.105	71.506	<11	0.00000	0.000	0.055	<16	0.00000	0.000	0.000	<8	0.00000	0.000	0.000	7,276	0.01022	0.245	116.416
09/07/16	360.0	6,800	0.00917	0.220	77.360	<11	0.00000	0.000	0.055	<16	0.00000	0.000	0.000	<8	0.00000	0.000	0.000	6,982	0.00942	0.226	130.155
11/03/16	365.0	18,000	0.02462	0.591	89.907	<11	0.00000	0.000	0.055	<16	0.00000	0.000	0.000	<8	0.00000	0.000	0.000	18,090	0.02474	0.594	143.039
01/13/17	370.0	8,900	0.01234	0.296	131.853	<62	0.00000	0.000	0.055	<124	0.00000	0.000	0.000	<62	0.00000	0.000	0.000	8,900	0.01234	0.296	185.194
03/23/17	348.0	6,300	0.00821	0.197	152.284	<11	0.00000	0.000	0.055	<16	0.00000	0.000	0.000	<8	0.00000	0.000	0.000	6,310	0.00823	0.197	205.626
05/09/17	352.0	23,000	0.03033	0.728	161.550	18	0.00002	0.001	0.055	10	0.00001	0.000	0.000	<8	0.00000	0.000	0.000	23,243	0.03065	0.736	214.906
07/31/17	352.0	23,000	0.03033	0.728	221.975	16	0.00002	0.001	0.102	9	0.00001	0.000	0.026	<8	0.00000	0.000	0.000	24,193	0.03191	0.766	275.969
09/25/17	344.0	21,000	0.02707	0.650	262.743	<220	0.00000	0.000	0.131	<320	0.00000	0.000	0.041	<170	0.00000	0.000	0.000	22,300	0.02874	0.690	318.851
11/07/17	383.0	18,000	0.02583	0.620	290.676	<110	0.00000	0.000	0.131	<160	0.00000	0.000	0.041	<81	0.00000	0.000	0.000	19,318	0.02772	0.665	348.513
04/24/18	330.0	23,000	0.02844	0.683	290.676	<330	0.00000	0.000	0.131	<480	0.00000	0.000	0.041	<250	0.00000	0.000	0.000	31,690	0.03918	0.940	348.513
06/26/18	330.0	23,000	0.02844	0.683	333.674	<140	0.00000	0.000	0.131	<200	0.00000	0.000	0.041	<100	0.00000	0.000	0.000	30,100	0.03722	0.893	407.757
09/06/18	330.0	22,000	0.02720	0.653	382.814	<160	0.00000	0.000	0.131	<240	0.00000	0.000	0.041	<120	0.00000	0.000	0.000	24,500	0.03029	0.727	472.066
12/14/18	355.0	18,000	0.02394	0.575	447.445	<120	0.00000	0.000	0.131	<298	0.00000	0.000	0.041	<200	0.00000	0.000	0.000	18,760	0.02495	0.599	544.041
02/20/19	318.0	6,300	0.00751	0.180	486.517	<31	0.00000	0.000	0.131	<77	0.00000	0.000	0.041	<52	0.00000	0.000	0.000	6,300	0.00751	0.180	584.764
04/10/19	304.0	6,200	0.00706	0.169	495.345	<41	0.00000	0.000	0.131	<102	0.00000	0.000	0.041	<69	0.00000	0.000	0.000	6,200	0.00706	0.169	593.591
06/04/19	310.0	20,000	0.02323	0.558	504.666	<86	0.00000	0.000	0.131	<211	0.00000	0.000	0.041	<140	0.00000	0.000	0.000	20,000	0.02323	0.558	602.912
08/14/19	338.0	3,200	0.00405	0.097	544.250	<26	0.00000	0.000	0.131	<64	0.00000	0.000	0.041	<43	0.00000	0.000	0.000	3,300	0.00418	0.100	642.496
10/08/19	379.0	3,500	0.00497	0.119	549.599	<48	0.00000	0.000	0.131	<70	0.00000	0.000	0.041	<36	0.00000	0.000	0.000	3,500	0.00497	0.119	648.012
12/04/19	371.0	1,600	0.00222	0.053	556.398	<4.8	0.00000	0.000	0.131	<11.9	0.00000	0.000	0.041	<8.1	0.00000	0.000	0.000	1,600	0.00222	0.053	654.811
02/11/20	377.0	5,400	0.00763	0.183	560.081	<40	0.00000	0.000	0.131	<58	0.00000	0.000	0.041	<30	0.00000	0.000	0.000	5,400	0.00763	0.183	658.494
04/07/20	481.0	2,600	0.00469	0.112	570.333	<3.9	0.00000	0.000	0.131	<8.5	0.00000	0.000	0.041	<6.5	0.00000	0.000	0.000	3,037	0.00547	0.131	668.746
06/17/20	390.0	8,000	0.01169	0.281	578.317	<36	0.00000	0.000	0.131	<89	0.00000	0.000	0.041	<60	0.00000	0.000	0.000	9,200	0.01344	0.323	678.074
08/10/20	390.0	5,600	0.00818	0.196	593.467	<15	0.00000	0.000	0.131	<37	0.00000	0.000	0.041	<25	0.00000	0.000	0.000	5,600	0.00818	0.196	695.496
10/07/20	330.0	4,800	0.00593	0.142	604.858	<42	0.00000	0.000	0.131	<103	0.00000	0.000	0.041	<70	0.00000	0.000	0.000	4,800	0.00593	0.142	706.887
12/21/20	380.0	5,700	0.00812	0.195	615.540	<39	0.00000	0.000	0.131	<96	0.00000	0.000	0.041	<65	0.00000	0.000	0.000	5,700	0.00812	0.195	717.569
02/03/21	442.0	7,300	0.01209	0.290	624.110	<56	0.00000	0.000	0.131	<137	0.00000	0.000	0.041	<93	0.00000	0.000	0.000	7,300	0.01209	0.290	726.139
04/12/21	372.0	4,400	0.00613	0.147	643.840	<17	0.00000	0.000	0.131	<42	0.00000	0.000	0.041	<28	0.00000	0.000	0.000	4,400	0.00613	0.147	745.869
06/07/21	344.0	7,300	0.00941	0.226	652.082	<30	0.00000	0.000	0.131	<72	0.00000	0.000	0.041	<49	0.00000	0.000	0.000	7,300	0.00941	0.226	754.111
AVERAGE:	363.5			0.337				0.000				0.000				0.000				0.389	

Notes:
•lbs/hr = (CFM x 60) x (concentration x 0.000001 x 0.02832 x 0.002205)
•1,2-DCE value = reported c-1,2-DCE concentration + t-1,2-DCE concentration

Table 2

Ronhill Cleaners
71 Forest Ave
Glen Cove, NY
Site # 130071



Vapor Phase Emissions - Select Contaminants
GAC-Effluent
EPA Method TO-15
ALS Labs (11/2015 - 7/2017), Test America Inc. (9/2017 -)

Date	Flow Rate (CFM)	Tetrachloroethene				Trichloroethene				1,2-Dichloroethene				1,2-Dichloroethane				Total VOC			
		Emissions Rate				Emissions Rate				Emissions Rate				Emissions Rate				Emissions Rate			
		PCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	TCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	1,2-DCE (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	1,2-DCA (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)	Total VOC (ug/M3)	(lbs/hr)	(lbs/day)	Cumulative (lbs)
11/04/15	380.0	3,600	0.00513	0.123	0.000	62	0.00009	0.002	0.000	9	0.0000	0.000	0.000	<8	0.00000	0.000	0.000	7,232	0.010	0.247	0.000
01/28/16	378.0	220	0.00031	0.007	10.456	5	0.00001	0.000	0.180	<4	0.0000	0.000	0.026	<2	0.00000	0.000	0.000	6,774	0.010	0.230	21.005
03/23/16	383.0	160	0.00023	0.006	10.867	7	0.00001	0.000	0.190	3	0.0000	0.000	0.026	<2	0.00000	0.000	0.000	8,486	0.012	0.292	33.669
05/05/16	370.0	4,300	0.00596	0.143	11.104	18	0.00002	0.001	0.200	<16	0.0000	0.000	0.030	<8	0.00000	0.000	0.000	4,567	0.006	0.152	46.236
07/13/16	375.0	1,000	0.00141	0.034	20.976	<11	0.00000	0.000	0.242	<16	0.0000	0.000	0.030	<8	0.00000	0.000	0.000	6,656	0.009	0.224	56.720
09/07/16	360.0	11,000	0.01484	0.356	22.864	16	0.00002	0.001	0.242	<16	0.0000	0.000	0.030	<8	0.00000	0.000	0.000	11,395	0.015	0.369	69.289
11/03/16	365.0	13,000	0.01778	0.427	43.161	19	0.00003	0.001	0.271	<16	0.0000	0.000	0.030	<8	0.00000	0.000	0.000	13,086	0.018	0.430	90.314
01/13/17	370.0	2,100	0.00291	0.070	73.455	<6.8	0.00000	0.000	0.315	<13.6	0.0000	0.000	0.030	<6.8	0.00000	0.000	0.000	2,197	0.003	0.073	120.809
03/23/17	348.0	1,400	0.00183	0.044	78.276	2	0.00000	0.000	0.315	1	0.0000	0.000	0.030	<0.8	0.00000	0.000	0.000	1,423	0.002	0.045	125.853
05/09/17	352.0	1,700	0.00224	0.054	80.335	<11	0.00000	0.000	0.319	<16	0.0000	0.000	0.032	<8	0.00000	0.000	0.000	1,836	0.002	0.058	127.947
07/31/17	352.0	16,000	0.02110	0.506	84.802	23	0.00003	0.001	0.319	17	0.0000	0.001	0.032	<8	0.00000	0.000	0.000	17,336	0.023	0.549	132.770
09/25/17	344.0	12,000	0.01547	0.371	113.162	22	0.00003	0.001	0.359	<220	0.0000	0.000	0.062	<110	0.00000	0.000	0.000	13,749	0.018	0.425	163.499
11/07/17	383.0	17,000	0.02439	0.585	129.124	14	0.00002	0.000	0.389	<160	0.0000	0.000	0.062	<81	0.00000	0.000	0.000	18,458	0.026	0.636	181.787
04/24/18	330.0	5,900	0.00729	0.175	129.124	<180	0.00000	0.000	0.389	<260	0.0000	0.000	0.062	<130	0.00000	0.000	0.000	17,500	0.022	0.519	181.787
06/26/18	330.0	15,000	0.01855	0.445	140.154	<98	0.00000	0.000	0.389	<144	0.0000	0.000	0.062	<74	0.00000	0.000	0.000	21,900	0.027	0.650	214.503
09/06/18	330.0	44,000	0.05440	1.306	172.202	<270	0.00000	0.000	0.389	<400	0.0000	0.000	0.062	<210	0.00000	0.000	0.000	47,000	0.058	1.395	261.293
12/14/18	355.0	23,000	0.03059	0.734	301.463	<170	0.00000	0.000	0.389	<420	0.0000	0.000	0.062	<290	0.00000	0.000	0.000	23,000	0.031	0.734	399.367
02/20/19	318.0	6,100	0.00727	0.174	351.389	<17	0.00000	0.000	0.389	<42	0.0000	0.000	0.062	<28	0.00000	0.000	0.000	6,100	0.007	0.174	449.293
04/10/19	304.0	1,900	0.00216	0.052	359.936	<12	0.00000	0.000	0.389	<30	0.0000	0.000	0.062	<21	0.00000	0.000	0.000	1,900	0.002	0.052	457.840
06/04/19	310.0	4,700	0.00546	0.131	362.793	<29	0.00000	0.000	0.389	<72	0.0000	0.000	0.062	<49	0.00000	0.000	0.000	4,700	0.005	0.131	460.697
08/14/19	338.0	21,000	0.02659	0.638	372.095	<28	0.00000	0.000	0.389	<70	0.0000	0.000	0.062	<48	0.00000	0.000	0.000	21,000	0.027	0.638	469.999
10/08/19	379.0	15,000	0.02130	0.511	407.199	<75	0.00000	0.000	0.389	<112	0.0000	0.000	0.062	<57	0.00000	0.000	0.000	15,000	0.021	0.511	505.103
12/04/19	371.0	4,800	0.00667	0.160	436.338	<8.8	0.00000	0.000	0.389	<21.2	0.0000	0.000	0.062	<15	0.00000	0.000	0.000	4,800	0.007	0.160	534.242
02/11/20	377.0	7,500	0.01059	0.254	447.387	<51	0.00000	0.000	0.389	<76	0.0000	0.000	0.062	<38	0.00000	0.000	0.000	7,500	0.011	0.254	545.291
04/07/20	481.0	3,900	0.00703	0.169	461.625	<29	0.00000	0.000	0.389	<71	0.0000	0.000	0.062	<48	0.00000	0.000	0.000	3,900	0.007	0.169	559.529
06/17/20	390.0	2.8	0.00000	0.000	473.602	<0.19	0.00000	0.000	0.389	<0.48	0.0000	0.000	0.062	<0.32	0.00000	0.000	0.000	12.2	0.000	0.000	571.506
08/10/20	390.0	<0.54	0.00000	0.000	473.607	<0.19	0.00000	0.000	0.389	<0.48	0.0000	0.000	0.062	<0.32	0.00000	0.000	0.000	14.3	0.000	0.001	571.529
10/07/20	330.0	150.0	0.00019	0.004	473.607	<0.48	0.00000	0.000	0.389	<1.19	0.0000	0.000	0.062	<0.81	0.00000	0.000	0.000	183.6	0.000	0.005	571.558
12/21/20	380.0	<0.54	0.00000	0.000	473.941	<0.19	0.00000	0.000	0.389	<0.48	0.0000	0.000	0.062	<0.32	0.00000	0.000	0.000	7.8	0.000	0.000	571.967
02/03/21	442.0	<0.54	0.00000	0.000	473.941	<0.19	0.00000	0.000	0.389	<0.48	0.0000	0.000	0.062	<0.32	0.00000	0.000	0.000	386.2	0.001	0.015	571.978
04/12/21	372.0	8.8	0.00001	0.0003	473.941	<0.48	0.00000	0.000	0.389	<1.19	0.0000	0.000	0.062	<0.81	0.00000	0.000	0.000	16.9	0.000	0.001	573.022
06/07/21	344.0	5.1	0.00001	0.0002	473.957	<0.48	0.00000	0.000	0.389	<1.19	0.0000	0.000	0.062	<0.81	0.00000	0.000	0.000	46.2	0.000	0.001	573.054
AVERAGE:	363.5			0.234				0.000				0.000				0.000					0.286

Notes:
lbs/hr = (CFM x 60) x (concentration x 0.000001 x 0.02832 x 0.002205)
•1,2-DCE value = reported c-1,2-DCE concentration + t-1,2-DCE concentration



APPENDIX A: LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Job Number: 140-23392-1

Job Description: Ronhill Cleaners #130071

Contract Number: C100700

For:

New York State D.E.C.

625 Broadway

12th Floor

Albany, NY 12233-7017

Attention: Ms. Caroline Eigenbrodt



Approved for release.
Diana L. Lange
Project Management Assistant II
6/15/2021 4:05 PM

Designee for

Jamie A McKinney, Senior Project Manager

5815 Middlebrook Pike, Knoxville, TN, 37921

(865)291-3000

Jamie.McKinney@Eurofinset.com

06/15/2021

The test results in this report meet all 2003 NELAC and 2003 TNI requirements for accredited parameters, exceptions are noted in this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
140-23392-1

Comments

No additional comments.

Receipt

The samples were received on 6/9/2021 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA

Methods TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Method TO 15 LL: The following sample was diluted due to the abundance of non-target analytes: GAC EFFLUENT (140-23392-3). Elevated reporting limits (RLs) are provided.

Methods TO 15 LL, TO-15: Although the BFB tune is flagged as outside control limits for TO-14A on batch 140-50713, the results are within limits for TO-15, which is required for this project.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-23392-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.083		0.080		ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.38		0.20		ppb v/v	1		TO 15 LL	Total/NA
2-Butanone	0.74		0.32		ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.32		0.080		ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.072		0.032		ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.70		0.20		ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.27		0.080		ppb v/v	1		TO 15 LL	Total/NA
Ethanol	87	E	2.0		ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.093		0.080		ppb v/v	1		TO 15 LL	Total/NA
Hexane	0.48		0.20		ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	1.2		0.40		ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.25		0.080		ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.11		0.080		ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.71		0.12		ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.23		0.080		ppb v/v	1		TO 15 LL	Total/NA
Ethanol - DL	120	D	10		ppb v/v	1		TO 15 LL	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.41		0.39		ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	1.8		0.93		ug/m3	1		TO 15 LL	Total/NA
2-Butanone	2.2		0.94		ug/m3	1		TO 15 LL	Total/NA
Benzene	1.0		0.26		ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.45		0.20		ug/m3	1		TO 15 LL	Total/NA
Chloromethane	1.4		0.41		ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.4		0.40		ug/m3	1		TO 15 LL	Total/NA
Ethanol	160	E	3.8		ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.40		0.35		ug/m3	1		TO 15 LL	Total/NA
Hexane	1.7		0.70		ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	4.1		1.4		ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.1		0.35		ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.47		0.35		ug/m3	1		TO 15 LL	Total/NA
Toluene	2.7		0.45		ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3		0.45		ug/m3	1		TO 15 LL	Total/NA
Ethanol - DL	220	D	19		ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-23392-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1100		12		ppb v/v	3.05		TO 15 LL	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7300		83		ug/m3	3.05		TO 15 LL	Total/NA

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-23392-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.57		0.50		ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.7		0.20		ppb v/v	1		TO 15 LL	Total/NA
Ethanol	12		5.0		ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	1.5		1.0		ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.75		0.20		ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.63		0.20		ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Knoxville

Detection Summary

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: GAC EFFLUENT (Continued)

Lab Sample ID: 140-23392-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.2		1.0		ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	8.2		0.99		ug/m3	1		TO 15 LL	Total/NA
Ethanol	23		9.4		ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	5.1		3.5		ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	5.1		1.4		ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	3.6		1.1		ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-23392-1

Date Collected: 06/07/21 09:35

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,1-Dichloroethane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,1-Dichloroethene	ND		0.040		ppb v/v			06/10/21 22:27	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			06/10/21 22:27	1
1,2,4-Trimethylbenzene	0.083		0.080		ppb v/v			06/10/21 22:27	1
1,2-Dibromoethane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			06/10/21 22:27	1
1,2-Dichloroethane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,2-Dichloropropane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			06/10/21 22:27	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			06/10/21 22:27	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			06/10/21 22:27	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			06/10/21 22:27	1
1,4-Dioxane	ND		0.20		ppb v/v			06/10/21 22:27	1
2,2,4-Trimethylpentane	0.38		0.20		ppb v/v			06/10/21 22:27	1
2-Butanone	0.74		0.32		ppb v/v			06/10/21 22:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			06/10/21 22:27	1
Benzene	0.32		0.080		ppb v/v			06/10/21 22:27	1
Benzyl chloride	ND		0.16		ppb v/v			06/10/21 22:27	1
Bromodichloromethane	ND		0.080		ppb v/v			06/10/21 22:27	1
Bromoform	ND		0.080		ppb v/v			06/10/21 22:27	1
Bromomethane	ND		0.080		ppb v/v			06/10/21 22:27	1
Carbon tetrachloride	0.072		0.032		ppb v/v			06/10/21 22:27	1
Chlorobenzene	ND		0.080		ppb v/v			06/10/21 22:27	1
Chloroethane	ND		0.080		ppb v/v			06/10/21 22:27	1
Chloroform	ND		0.080		ppb v/v			06/10/21 22:27	1
Chloromethane	0.70		0.20		ppb v/v			06/10/21 22:27	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			06/10/21 22:27	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			06/10/21 22:27	1
Cyclohexane	ND		0.20		ppb v/v			06/10/21 22:27	1
Dibromochloromethane	ND		0.080		ppb v/v			06/10/21 22:27	1
Dichlorodifluoromethane	0.27		0.080		ppb v/v			06/10/21 22:27	1
Ethanol	87 E		2.0		ppb v/v			06/10/21 22:27	1
Ethylbenzene	0.093		0.080		ppb v/v			06/10/21 22:27	1
Hexachlorobutadiene	ND		0.080		ppb v/v			06/10/21 22:27	1
Hexane	0.48		0.20		ppb v/v			06/10/21 22:27	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			06/10/21 22:27	1
Methylene Chloride	1.2		0.40		ppb v/v			06/10/21 22:27	1
m-Xylene & p-Xylene	0.25		0.080		ppb v/v			06/10/21 22:27	1
Naphthalene	ND		0.20		ppb v/v			06/10/21 22:27	1
o-Xylene	0.11		0.080		ppb v/v			06/10/21 22:27	1
Styrene	ND		0.080		ppb v/v			06/10/21 22:27	1
t-Butyl alcohol	ND		0.32		ppb v/v			06/10/21 22:27	1
Tetrachloroethene	ND		0.080		ppb v/v			06/10/21 22:27	1
Toluene	0.71		0.12		ppb v/v			06/10/21 22:27	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-23392-1

Date Collected: 06/07/21 09:35

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			06/10/21 22:27	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			06/10/21 22:27	1
Trichloroethene	ND		0.036		ppb v/v			06/10/21 22:27	1
Trichlorofluoromethane	0.23		0.080		ppb v/v			06/10/21 22:27	1
Vinyl chloride	ND		0.040		ppb v/v			06/10/21 22:27	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			06/10/21 22:27	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			06/10/21 22:27	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			06/10/21 22:27	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			06/10/21 22:27	1
1,1-Dichloroethane	ND		0.32		ug/m3			06/10/21 22:27	1
1,1-Dichloroethene	ND		0.16		ug/m3			06/10/21 22:27	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			06/10/21 22:27	1
1,2,4-Trimethylbenzene	0.41		0.39		ug/m3			06/10/21 22:27	1
1,2-Dibromoethane	ND		0.61		ug/m3			06/10/21 22:27	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			06/10/21 22:27	1
1,2-Dichloroethane	ND		0.32		ug/m3			06/10/21 22:27	1
1,2-Dichloropropane	ND		0.37		ug/m3			06/10/21 22:27	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			06/10/21 22:27	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			06/10/21 22:27	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			06/10/21 22:27	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			06/10/21 22:27	1
1,4-Dioxane	ND		0.72		ug/m3			06/10/21 22:27	1
2,2,4-Trimethylpentane	1.8		0.93		ug/m3			06/10/21 22:27	1
2-Butanone	2.2		0.94		ug/m3			06/10/21 22:27	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			06/10/21 22:27	1
Benzene	1.0		0.26		ug/m3			06/10/21 22:27	1
Benzyl chloride	ND		0.83		ug/m3			06/10/21 22:27	1
Bromodichloromethane	ND		0.54		ug/m3			06/10/21 22:27	1
Bromoform	ND		0.83		ug/m3			06/10/21 22:27	1
Bromomethane	ND		0.31		ug/m3			06/10/21 22:27	1
Carbon tetrachloride	0.45		0.20		ug/m3			06/10/21 22:27	1
Chlorobenzene	ND		0.37		ug/m3			06/10/21 22:27	1
Chloroethane	ND		0.21		ug/m3			06/10/21 22:27	1
Chloroform	ND		0.39		ug/m3			06/10/21 22:27	1
Chloromethane	1.4		0.41		ug/m3			06/10/21 22:27	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			06/10/21 22:27	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			06/10/21 22:27	1
Cyclohexane	ND		0.69		ug/m3			06/10/21 22:27	1
Dibromochloromethane	ND		0.68		ug/m3			06/10/21 22:27	1
Dichlorodifluoromethane	1.4		0.40		ug/m3			06/10/21 22:27	1
Ethanol	160 E		3.8		ug/m3			06/10/21 22:27	1
Ethylbenzene	0.40		0.35		ug/m3			06/10/21 22:27	1
Hexachlorobutadiene	ND		0.85		ug/m3			06/10/21 22:27	1
Hexane	1.7		0.70		ug/m3			06/10/21 22:27	1
Methyl tert-butyl ether	ND		0.58		ug/m3			06/10/21 22:27	1
Methylene Chloride	4.1		1.4		ug/m3			06/10/21 22:27	1
m-Xylene & p-Xylene	1.1		0.35		ug/m3			06/10/21 22:27	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-23392-1

Date Collected: 06/07/21 09:35

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/m3			06/10/21 22:27	1
o-Xylene	0.47		0.35		ug/m3			06/10/21 22:27	1
Styrene	ND		0.34		ug/m3			06/10/21 22:27	1
t-Butyl alcohol	ND		0.97		ug/m3			06/10/21 22:27	1
Tetrachloroethene	ND		0.54		ug/m3			06/10/21 22:27	1
Toluene	2.7		0.45		ug/m3			06/10/21 22:27	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			06/10/21 22:27	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			06/10/21 22:27	1
Trichloroethene	ND		0.19		ug/m3			06/10/21 22:27	1
Trichlorofluoromethane	1.3		0.45		ug/m3			06/10/21 22:27	1
Vinyl chloride	ND		0.10		ug/m3			06/10/21 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		06/10/21 22:27	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	120	D	10		ppb v/v			06/13/21 11:11	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	220	D	19		ug/m3			06/13/21 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140		06/13/21 11:11	1

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-23392-2

Date Collected: 06/07/21 09:40

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,1,2,2-Tetrachloroethane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,1,2-Trichloroethane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,1,2-Trichlorotrifluoroethane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,1-Dichloroethane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,1-Dichloroethene	ND		6.1		ppb v/v			06/10/21 23:13	3.05
1,2,4-Trichlorobenzene	ND		12		ppb v/v			06/10/21 23:13	3.05
1,2,4-Trimethylbenzene	ND		12		ppb v/v			06/10/21 23:13	3.05
1,2-Dibromoethane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,2-Dichlorobenzene	ND		12		ppb v/v			06/10/21 23:13	3.05
1,2-Dichloroethane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,2-Dichloropropane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,2-Dichlorotetrafluoroethane	ND		12		ppb v/v			06/10/21 23:13	3.05
1,3,5-Trimethylbenzene	ND		12		ppb v/v			06/10/21 23:13	3.05
1,3-Dichlorobenzene	ND		12		ppb v/v			06/10/21 23:13	3.05
1,4-Dichlorobenzene	ND		12		ppb v/v			06/10/21 23:13	3.05
1,4-Dioxane	ND		31		ppb v/v			06/10/21 23:13	3.05
2,2,4-Trimethylpentane	ND		31		ppb v/v			06/10/21 23:13	3.05

Eurofins TestAmerica, Knoxville

Client Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-23392-2

Date Collected: 06/07/21 09:40

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		49		ppb v/v			06/10/21 23:13	3.05
4-Methyl-2-pentanone (MIBK)	ND		31		ppb v/v			06/10/21 23:13	3.05
Benzene	ND		12		ppb v/v			06/10/21 23:13	3.05
Benzyl chloride	ND		24		ppb v/v			06/10/21 23:13	3.05
Bromodichloromethane	ND		12		ppb v/v			06/10/21 23:13	3.05
Bromoform	ND		12		ppb v/v			06/10/21 23:13	3.05
Bromomethane	ND		12		ppb v/v			06/10/21 23:13	3.05
Carbon tetrachloride	ND		4.9		ppb v/v			06/10/21 23:13	3.05
Chlorobenzene	ND		12		ppb v/v			06/10/21 23:13	3.05
Chloroethane	ND		12		ppb v/v			06/10/21 23:13	3.05
Chloroform	ND		12		ppb v/v			06/10/21 23:13	3.05
Chloromethane	ND		31		ppb v/v			06/10/21 23:13	3.05
cis-1,2-Dichloroethene	ND		6.1		ppb v/v			06/10/21 23:13	3.05
cis-1,3-Dichloropropene	ND		12		ppb v/v			06/10/21 23:13	3.05
Cyclohexane	ND		31		ppb v/v			06/10/21 23:13	3.05
Dibromochloromethane	ND		12		ppb v/v			06/10/21 23:13	3.05
Dichlorodifluoromethane	ND		12		ppb v/v			06/10/21 23:13	3.05
Ethanol	ND		310		ppb v/v			06/10/21 23:13	3.05
Ethylbenzene	ND		12		ppb v/v			06/10/21 23:13	3.05
Hexachlorobutadiene	ND		12		ppb v/v			06/10/21 23:13	3.05
Hexane	ND		31		ppb v/v			06/10/21 23:13	3.05
Methyl tert-butyl ether	ND		24		ppb v/v			06/10/21 23:13	3.05
Methylene Chloride	ND		61		ppb v/v			06/10/21 23:13	3.05
m-Xylene & p-Xylene	ND		12		ppb v/v			06/10/21 23:13	3.05
Naphthalene	ND		31		ppb v/v			06/10/21 23:13	3.05
o-Xylene	ND		12		ppb v/v			06/10/21 23:13	3.05
Styrene	ND		12		ppb v/v			06/10/21 23:13	3.05
t-Butyl alcohol	ND		49		ppb v/v			06/10/21 23:13	3.05
Tetrachloroethene	1100		12		ppb v/v			06/10/21 23:13	3.05
Toluene	ND		18		ppb v/v			06/10/21 23:13	3.05
trans-1,2-Dichloroethene	ND		12		ppb v/v			06/10/21 23:13	3.05
trans-1,3-Dichloropropene	ND		12		ppb v/v			06/10/21 23:13	3.05
Trichloroethene	ND		5.5		ppb v/v			06/10/21 23:13	3.05
Trichlorofluoromethane	ND		12		ppb v/v			06/10/21 23:13	3.05
Vinyl chloride	ND		6.1		ppb v/v			06/10/21 23:13	3.05
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		67		ug/m3			06/10/21 23:13	3.05
1,1,2,2-Tetrachloroethane	ND		84		ug/m3			06/10/21 23:13	3.05
1,1,2-Trichloroethane	ND		67		ug/m3			06/10/21 23:13	3.05
1,1,2-Trichlorotrifluoroethane	ND		93		ug/m3			06/10/21 23:13	3.05
1,1-Dichloroethane	ND		49		ug/m3			06/10/21 23:13	3.05
1,1-Dichloroethene	ND		24		ug/m3			06/10/21 23:13	3.05
1,2,4-Trichlorobenzene	ND		91		ug/m3			06/10/21 23:13	3.05
1,2,4-Trimethylbenzene	ND		60		ug/m3			06/10/21 23:13	3.05
1,2-Dibromoethane	ND		94		ug/m3			06/10/21 23:13	3.05
1,2-Dichlorobenzene	ND		73		ug/m3			06/10/21 23:13	3.05
1,2-Dichloroethane	ND		49		ug/m3			06/10/21 23:13	3.05
1,2-Dichloropropane	ND		56		ug/m3			06/10/21 23:13	3.05

Client Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-23392-2

Date Collected: 06/07/21 09:40

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		85		ug/m3			06/10/21 23:13	3.05
1,3,5-Trimethylbenzene	ND		60		ug/m3			06/10/21 23:13	3.05
1,3-Dichlorobenzene	ND		73		ug/m3			06/10/21 23:13	3.05
1,4-Dichlorobenzene	ND		73		ug/m3			06/10/21 23:13	3.05
1,4-Dioxane	ND		110		ug/m3			06/10/21 23:13	3.05
2,2,4-Trimethylpentane	ND		140		ug/m3			06/10/21 23:13	3.05
2-Butanone	ND		140		ug/m3			06/10/21 23:13	3.05
4-Methyl-2-pentanone (MIBK)	ND		120		ug/m3			06/10/21 23:13	3.05
Benzene	ND		39		ug/m3			06/10/21 23:13	3.05
Benzyl chloride	ND		130		ug/m3			06/10/21 23:13	3.05
Bromodichloromethane	ND		82		ug/m3			06/10/21 23:13	3.05
Bromoform	ND		130		ug/m3			06/10/21 23:13	3.05
Bromomethane	ND		47		ug/m3			06/10/21 23:13	3.05
Carbon tetrachloride	ND		31		ug/m3			06/10/21 23:13	3.05
Chlorobenzene	ND		56		ug/m3			06/10/21 23:13	3.05
Chloroethane	ND		32		ug/m3			06/10/21 23:13	3.05
Chloroform	ND		60		ug/m3			06/10/21 23:13	3.05
Chloromethane	ND		63		ug/m3			06/10/21 23:13	3.05
cis-1,2-Dichloroethene	ND		24		ug/m3			06/10/21 23:13	3.05
cis-1,3-Dichloropropene	ND		55		ug/m3			06/10/21 23:13	3.05
Cyclohexane	ND		100		ug/m3			06/10/21 23:13	3.05
Dibromochloromethane	ND		100		ug/m3			06/10/21 23:13	3.05
Dichlorodifluoromethane	ND		60		ug/m3			06/10/21 23:13	3.05
Ethanol	ND		570		ug/m3			06/10/21 23:13	3.05
Ethylbenzene	ND		53		ug/m3			06/10/21 23:13	3.05
Hexachlorobutadiene	ND		130		ug/m3			06/10/21 23:13	3.05
Hexane	ND		110		ug/m3			06/10/21 23:13	3.05
Methyl tert-butyl ether	ND		88		ug/m3			06/10/21 23:13	3.05
Methylene Chloride	ND		210		ug/m3			06/10/21 23:13	3.05
m-Xylene & p-Xylene	ND		53		ug/m3			06/10/21 23:13	3.05
Naphthalene	ND		160		ug/m3			06/10/21 23:13	3.05
o-Xylene	ND		53		ug/m3			06/10/21 23:13	3.05
Styrene	ND		52		ug/m3			06/10/21 23:13	3.05
t-Butyl alcohol	ND		150		ug/m3			06/10/21 23:13	3.05
Tetrachloroethene	7300		83		ug/m3			06/10/21 23:13	3.05
Toluene	ND		69		ug/m3			06/10/21 23:13	3.05
trans-1,2-Dichloroethene	ND		48		ug/m3			06/10/21 23:13	3.05
trans-1,3-Dichloropropene	ND		55		ug/m3			06/10/21 23:13	3.05
Trichloroethene	ND		30		ug/m3			06/10/21 23:13	3.05
Trichlorofluoromethane	ND		69		ug/m3			06/10/21 23:13	3.05
Vinyl chloride	ND		16		ug/m3			06/10/21 23:13	3.05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140		06/10/21 23:13	3.05

Client Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-23392-3

Date Collected: 06/07/21 09:42

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,1,2,2-Tetrachloroethane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,1,2-Trichloroethane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,1,2-Trichlorotrifluoroethane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,1-Dichloroethane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,1-Dichloroethene	ND		0.10		ppb v/v			06/10/21 23:59	1
1,2,4-Trichlorobenzene	ND		0.20		ppb v/v			06/10/21 23:59	1
1,2,4-Trimethylbenzene	ND		0.20		ppb v/v			06/10/21 23:59	1
1,2-Dibromoethane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,2-Dichlorobenzene	ND		0.20		ppb v/v			06/10/21 23:59	1
1,2-Dichloroethane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,2-Dichloropropane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,2-Dichlorotetrafluoroethane	ND		0.20		ppb v/v			06/10/21 23:59	1
1,3,5-Trimethylbenzene	ND		0.20		ppb v/v			06/10/21 23:59	1
1,3-Dichlorobenzene	ND		0.20		ppb v/v			06/10/21 23:59	1
1,4-Dichlorobenzene	ND		0.20		ppb v/v			06/10/21 23:59	1
1,4-Dioxane	ND		0.50		ppb v/v			06/10/21 23:59	1
2,2,4-Trimethylpentane	ND		0.50		ppb v/v			06/10/21 23:59	1
2-Butanone	ND		0.80		ppb v/v			06/10/21 23:59	1
4-Methyl-2-pentanone (MIBK)	ND		0.50		ppb v/v			06/10/21 23:59	1
Benzene	ND		0.20		ppb v/v			06/10/21 23:59	1
Benzyl chloride	ND		0.40		ppb v/v			06/10/21 23:59	1
Bromodichloromethane	ND		0.20		ppb v/v			06/10/21 23:59	1
Bromoform	ND		0.20		ppb v/v			06/10/21 23:59	1
Bromomethane	ND		0.20		ppb v/v			06/10/21 23:59	1
Carbon tetrachloride	ND		0.080		ppb v/v			06/10/21 23:59	1
Chlorobenzene	ND		0.20		ppb v/v			06/10/21 23:59	1
Chloroethane	ND		0.20		ppb v/v			06/10/21 23:59	1
Chloroform	ND		0.20		ppb v/v			06/10/21 23:59	1
Chloromethane	0.57		0.50		ppb v/v			06/10/21 23:59	1
cis-1,2-Dichloroethene	ND		0.10		ppb v/v			06/10/21 23:59	1
cis-1,3-Dichloropropene	ND		0.20		ppb v/v			06/10/21 23:59	1
Cyclohexane	ND		0.50		ppb v/v			06/10/21 23:59	1
Dibromochloromethane	ND		0.20		ppb v/v			06/10/21 23:59	1
Dichlorodifluoromethane	1.7		0.20		ppb v/v			06/10/21 23:59	1
Ethanol	12		5.0		ppb v/v			06/10/21 23:59	1
Ethylbenzene	ND		0.20		ppb v/v			06/10/21 23:59	1
Hexachlorobutadiene	ND		0.20		ppb v/v			06/10/21 23:59	1
Hexane	ND		0.50		ppb v/v			06/10/21 23:59	1
Methyl tert-butyl ether	ND		0.40		ppb v/v			06/10/21 23:59	1
Methylene Chloride	1.5		1.0		ppb v/v			06/10/21 23:59	1
m-Xylene & p-Xylene	ND		0.20		ppb v/v			06/10/21 23:59	1
Naphthalene	ND		0.50		ppb v/v			06/10/21 23:59	1
o-Xylene	ND		0.20		ppb v/v			06/10/21 23:59	1
Styrene	ND		0.20		ppb v/v			06/10/21 23:59	1
t-Butyl alcohol	ND		0.80		ppb v/v			06/10/21 23:59	1
Tetrachloroethene	0.75		0.20		ppb v/v			06/10/21 23:59	1
Toluene	ND		0.30		ppb v/v			06/10/21 23:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-23392-3

Date Collected: 06/07/21 09:42

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20		ppb v/v			06/10/21 23:59	1
trans-1,3-Dichloropropene	ND		0.20		ppb v/v			06/10/21 23:59	1
Trichloroethene	ND		0.090		ppb v/v			06/10/21 23:59	1
Trichlorofluoromethane	0.63		0.20		ppb v/v			06/10/21 23:59	1
Vinyl chloride	ND		0.10		ppb v/v			06/10/21 23:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1		ug/m3			06/10/21 23:59	1
1,1,2,2-Tetrachloroethane	ND		1.4		ug/m3			06/10/21 23:59	1
1,1,2-Trichloroethane	ND		1.1		ug/m3			06/10/21 23:59	1
1,1,2-Trichlorotrifluoroethane	ND		1.5		ug/m3			06/10/21 23:59	1
1,1-Dichloroethane	ND		0.81		ug/m3			06/10/21 23:59	1
1,1-Dichloroethene	ND		0.40		ug/m3			06/10/21 23:59	1
1,2,4-Trichlorobenzene	ND		1.5		ug/m3			06/10/21 23:59	1
1,2,4-Trimethylbenzene	ND		0.98		ug/m3			06/10/21 23:59	1
1,2-Dibromoethane	ND		1.5		ug/m3			06/10/21 23:59	1
1,2-Dichlorobenzene	ND		1.2		ug/m3			06/10/21 23:59	1
1,2-Dichloroethane	ND		0.81		ug/m3			06/10/21 23:59	1
1,2-Dichloropropane	ND		0.92		ug/m3			06/10/21 23:59	1
1,2-Dichlorotetrafluoroethane	ND		1.4		ug/m3			06/10/21 23:59	1
1,3,5-Trimethylbenzene	ND		0.98		ug/m3			06/10/21 23:59	1
1,3-Dichlorobenzene	ND		1.2		ug/m3			06/10/21 23:59	1
1,4-Dichlorobenzene	ND		1.2		ug/m3			06/10/21 23:59	1
1,4-Dioxane	ND		1.8		ug/m3			06/10/21 23:59	1
2,2,4-Trimethylpentane	ND		2.3		ug/m3			06/10/21 23:59	1
2-Butanone	ND		2.4		ug/m3			06/10/21 23:59	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ug/m3			06/10/21 23:59	1
Benzene	ND		0.64		ug/m3			06/10/21 23:59	1
Benzyl chloride	ND		2.1		ug/m3			06/10/21 23:59	1
Bromodichloromethane	ND		1.3		ug/m3			06/10/21 23:59	1
Bromoform	ND		2.1		ug/m3			06/10/21 23:59	1
Bromomethane	ND		0.78		ug/m3			06/10/21 23:59	1
Carbon tetrachloride	ND		0.50		ug/m3			06/10/21 23:59	1
Chlorobenzene	ND		0.92		ug/m3			06/10/21 23:59	1
Chloroethane	ND		0.53		ug/m3			06/10/21 23:59	1
Chloroform	ND		0.98		ug/m3			06/10/21 23:59	1
Chloromethane	1.2		1.0		ug/m3			06/10/21 23:59	1
cis-1,2-Dichloroethene	ND		0.40		ug/m3			06/10/21 23:59	1
cis-1,3-Dichloropropene	ND		0.91		ug/m3			06/10/21 23:59	1
Cyclohexane	ND		1.7		ug/m3			06/10/21 23:59	1
Dibromochloromethane	ND		1.7		ug/m3			06/10/21 23:59	1
Dichlorodifluoromethane	8.2		0.99		ug/m3			06/10/21 23:59	1
Ethanol	23		9.4		ug/m3			06/10/21 23:59	1
Ethylbenzene	ND		0.87		ug/m3			06/10/21 23:59	1
Hexachlorobutadiene	ND		2.1		ug/m3			06/10/21 23:59	1
Hexane	ND		1.8		ug/m3			06/10/21 23:59	1
Methyl tert-butyl ether	ND		1.4		ug/m3			06/10/21 23:59	1
Methylene Chloride	5.1		3.5		ug/m3			06/10/21 23:59	1
m-Xylene & p-Xylene	ND		0.87		ug/m3			06/10/21 23:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-23392-3

Date Collected: 06/07/21 09:42

Matrix: Air

Date Received: 06/09/21 09:45

Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.6		ug/m3			06/10/21 23:59	1
o-Xylene	ND		0.87		ug/m3			06/10/21 23:59	1
Styrene	ND		0.85		ug/m3			06/10/21 23:59	1
t-Butyl alcohol	ND		2.4		ug/m3			06/10/21 23:59	1
Tetrachloroethene	5.1		1.4		ug/m3			06/10/21 23:59	1
Toluene	ND		1.1		ug/m3			06/10/21 23:59	1
trans-1,2-Dichloroethene	ND		0.79		ug/m3			06/10/21 23:59	1
trans-1,3-Dichloropropene	ND		0.91		ug/m3			06/10/21 23:59	1
Trichloroethene	ND		0.48		ug/m3			06/10/21 23:59	1
Trichlorofluoromethane	3.6		1.1		ug/m3			06/10/21 23:59	1
Vinyl chloride	ND		0.26		ug/m3			06/10/21 23:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		60 - 140		06/10/21 23:59	1

Default Detection Limits

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	0.080	0.037	ppb v/v
1,1,1-Trichloroethane	0.44	0.20	ug/m3
1,1,2,2-Tetrachloroethane	0.080	0.014	ppb v/v
1,1,2,2-Tetrachloroethane	0.55	0.096	ug/m3
1,1,2-Trichloroethane	0.080	0.0070	ppb v/v
1,1,2-Trichloroethane	0.44	0.038	ug/m3
1,1,2-Trichlorotrifluoroethane	0.080	0.0080	ppb v/v
1,1,2-Trichlorotrifluoroethane	0.61	0.061	ug/m3
1,1-Dichloroethane	0.080	0.0070	ppb v/v
1,1-Dichloroethane	0.32	0.028	ug/m3
1,1-Dichloroethene	0.040	0.0080	ppb v/v
1,1-Dichloroethene	0.16	0.032	ug/m3
1,2,4-Trichlorobenzene	0.080	0.064	ppb v/v
1,2,4-Trichlorobenzene	0.59	0.47	ug/m3
1,2,4-Trimethylbenzene	0.080	0.020	ppb v/v
1,2,4-Trimethylbenzene	0.39	0.098	ug/m3
1,2-Dibromoethane	0.080	0.0070	ppb v/v
1,2-Dibromoethane	0.61	0.054	ug/m3
1,2-Dichlorobenzene	0.080	0.031	ppb v/v
1,2-Dichlorobenzene	0.48	0.19	ug/m3
1,2-Dichloroethane	0.080	0.010	ppb v/v
1,2-Dichloroethane	0.32	0.040	ug/m3
1,2-Dichloropropane	0.080	0.010	ppb v/v
1,2-Dichloropropane	0.37	0.046	ug/m3
1,2-Dichlorotetrafluoroethane	0.080	0.012	ppb v/v
1,2-Dichlorotetrafluoroethane	0.56	0.084	ug/m3
1,3,5-Trimethylbenzene	0.080	0.022	ppb v/v
1,3,5-Trimethylbenzene	0.39	0.11	ug/m3
1,3-Dichlorobenzene	0.080	0.016	ppb v/v
1,3-Dichlorobenzene	0.48	0.096	ug/m3
1,4-Dichlorobenzene	0.080	0.016	ppb v/v
1,4-Dichlorobenzene	0.48	0.096	ug/m3
1,4-Dioxane	0.20	0.030	ppb v/v
1,4-Dioxane	0.72	0.11	ug/m3
2,2,4-Trimethylpentane	0.20	0.0080	ppb v/v
2,2,4-Trimethylpentane	0.93	0.037	ug/m3
2-Butanone	0.32	0.073	ppb v/v
2-Butanone	0.94	0.22	ug/m3
4-Methyl-2-pentanone (MIBK)	0.20	0.054	ppb v/v
4-Methyl-2-pentanone (MIBK)	0.82	0.22	ug/m3
Benzene	0.080	0.0080	ppb v/v
Benzene	0.26	0.026	ug/m3
Benzyl chloride	0.16	0.038	ppb v/v
Benzyl chloride	0.83	0.20	ug/m3
Bromodichloromethane	0.080	0.018	ppb v/v
Bromodichloromethane	0.54	0.12	ug/m3
Bromoform	0.080	0.0090	ppb v/v
Bromoform	0.83	0.093	ug/m3
Bromomethane	0.080	0.022	ppb v/v
Bromomethane	0.31	0.085	ug/m3
Carbon tetrachloride	0.032	0.0070	ppb v/v
Carbon tetrachloride	0.20	0.044	ug/m3
Chlorobenzene	0.080	0.0060	ppb v/v

Default Detection Limits

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Conti

Analyte	RL	MDL	Units
Chlorobenzene	0.37	0.028	ug/m3
Chloroethane	0.080	0.029	ppb v/v
Chloroethane	0.21	0.077	ug/m3
Chloroform	0.080	0.0070	ppb v/v
Chloroform	0.39	0.034	ug/m3
Chloromethane	0.20	0.066	ppb v/v
Chloromethane	0.41	0.14	ug/m3
cis-1,2-Dichloroethene	0.040	0.010	ppb v/v
cis-1,2-Dichloroethene	0.16	0.040	ug/m3
cis-1,3-Dichloropropene	0.080	0.016	ppb v/v
cis-1,3-Dichloropropene	0.36	0.073	ug/m3
Cyclohexane	0.20	0.023	ppb v/v
Cyclohexane	0.69	0.079	ug/m3
Dibromochloromethane	0.080	0.0070	ppb v/v
Dibromochloromethane	0.68	0.060	ug/m3
Dichlorodifluoromethane	0.080	0.014	ppb v/v
Dichlorodifluoromethane	0.40	0.069	ug/m3
Ethanol	2.0	0.87	ppb v/v
Ethanol	3.8	1.6	ug/m3
Ethylbenzene	0.080	0.013	ppb v/v
Ethylbenzene	0.35	0.056	ug/m3
Hexachlorobutadiene	0.080	0.032	ppb v/v
Hexachlorobutadiene	0.85	0.34	ug/m3
Hexane	0.20	0.013	ppb v/v
Hexane	0.70	0.046	ug/m3
Methyl tert-butyl ether	0.16	0.052	ppb v/v
Methyl tert-butyl ether	0.58	0.19	ug/m3
Methylene Chloride	0.40	0.39	ppb v/v
Methylene Chloride	1.4	1.4	ug/m3
m-Xylene & p-Xylene	0.080	0.029	ppb v/v
m-Xylene & p-Xylene	0.35	0.13	ug/m3
Naphthalene	0.20	0.076	ppb v/v
Naphthalene	1.0	0.40	ug/m3
o-Xylene	0.080	0.015	ppb v/v
o-Xylene	0.35	0.065	ug/m3
Styrene	0.080	0.024	ppb v/v
Styrene	0.34	0.10	ug/m3
t-Butyl alcohol	0.32	0.033	ppb v/v
t-Butyl alcohol	0.97	0.10	ug/m3
Tetrachloroethene	0.080	0.0070	ppb v/v
Tetrachloroethene	0.54	0.047	ug/m3
Toluene	0.12	0.078	ppb v/v
Toluene	0.45	0.29	ug/m3
trans-1,2-Dichloroethene	0.080	0.0070	ppb v/v
trans-1,2-Dichloroethene	0.32	0.028	ug/m3
trans-1,3-Dichloropropene	0.080	0.0090	ppb v/v
trans-1,3-Dichloropropene	0.36	0.041	ug/m3
Trichloroethene	0.036	0.013	ppb v/v
Trichloroethene	0.19	0.070	ug/m3
Trichlorofluoromethane	0.080	0.011	ppb v/v
Trichlorofluoromethane	0.45	0.062	ug/m3
Vinyl chloride	0.040	0.026	ppb v/v
Vinyl chloride	0.10	0.066	ug/m3

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Matrix: Air

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (60-140)
140-23392-1	EQUIPMENT BLANK	99
140-23392-1 - DL	EQUIPMENT BLANK	95
140-23392-2	GAC INFLUENT	95
140-23392-3	GAC EFFLUENT	99
LCS 140-50650/1002	Lab Control Sample	102
LCS 140-50713/1002	Lab Control Sample	125
MB 140-50650/4	Method Blank	95
MB 140-50713/4	Method Blank	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 140-50650/4

Matrix: Air

Analysis Batch: 50650

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,1-Dichloroethane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,1-Dichloroethene	ND		0.040		ppb v/v			06/10/21 06:33	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			06/10/21 06:33	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			06/10/21 06:33	1
1,2-Dibromoethane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			06/10/21 06:33	1
1,2-Dichloroethane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,2-Dichloropropane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			06/10/21 06:33	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			06/10/21 06:33	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			06/10/21 06:33	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			06/10/21 06:33	1
1,4-Dioxane	ND		0.20		ppb v/v			06/10/21 06:33	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			06/10/21 06:33	1
2-Butanone	ND		0.32		ppb v/v			06/10/21 06:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			06/10/21 06:33	1
Benzene	ND		0.080		ppb v/v			06/10/21 06:33	1
Benzyl chloride	ND		0.16		ppb v/v			06/10/21 06:33	1
Bromodichloromethane	ND		0.080		ppb v/v			06/10/21 06:33	1
Bromoform	ND		0.080		ppb v/v			06/10/21 06:33	1
Bromomethane	ND		0.080		ppb v/v			06/10/21 06:33	1
Carbon tetrachloride	ND		0.032		ppb v/v			06/10/21 06:33	1
Chlorobenzene	ND		0.080		ppb v/v			06/10/21 06:33	1
Chloroethane	ND		0.080		ppb v/v			06/10/21 06:33	1
Chloroform	ND		0.080		ppb v/v			06/10/21 06:33	1
Chloromethane	ND		0.20		ppb v/v			06/10/21 06:33	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			06/10/21 06:33	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			06/10/21 06:33	1
Cyclohexane	ND		0.20		ppb v/v			06/10/21 06:33	1
Dibromochloromethane	ND		0.080		ppb v/v			06/10/21 06:33	1
Dichlorodifluoromethane	ND		0.080		ppb v/v			06/10/21 06:33	1
Ethanol	ND		2.0		ppb v/v			06/10/21 06:33	1
Ethylbenzene	ND		0.080		ppb v/v			06/10/21 06:33	1
Hexachlorobutadiene	ND		0.080		ppb v/v			06/10/21 06:33	1
Hexane	ND		0.20		ppb v/v			06/10/21 06:33	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			06/10/21 06:33	1
Methylene Chloride	ND		0.40		ppb v/v			06/10/21 06:33	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			06/10/21 06:33	1
Naphthalene	ND		0.20		ppb v/v			06/10/21 06:33	1
o-Xylene	ND		0.080		ppb v/v			06/10/21 06:33	1
Styrene	ND		0.080		ppb v/v			06/10/21 06:33	1
t-Butyl alcohol	ND		0.32		ppb v/v			06/10/21 06:33	1
Tetrachloroethene	ND		0.080		ppb v/v			06/10/21 06:33	1
Toluene	ND		0.12		ppb v/v			06/10/21 06:33	1

Eurofins TestAmerica, Knoxville

QC Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-50650/4

Matrix: Air

Analysis Batch: 50650

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			06/10/21 06:33	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			06/10/21 06:33	1
Trichloroethene	ND		0.036		ppb v/v			06/10/21 06:33	1
Trichlorofluoromethane	ND		0.080		ppb v/v			06/10/21 06:33	1
Vinyl chloride	ND		0.040		ppb v/v			06/10/21 06:33	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			06/10/21 06:33	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			06/10/21 06:33	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			06/10/21 06:33	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			06/10/21 06:33	1
1,1-Dichloroethane	ND		0.32		ug/m3			06/10/21 06:33	1
1,1-Dichloroethene	ND		0.16		ug/m3			06/10/21 06:33	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			06/10/21 06:33	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			06/10/21 06:33	1
1,2-Dibromoethane	ND		0.61		ug/m3			06/10/21 06:33	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			06/10/21 06:33	1
1,2-Dichloroethane	ND		0.32		ug/m3			06/10/21 06:33	1
1,2-Dichloropropane	ND		0.37		ug/m3			06/10/21 06:33	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			06/10/21 06:33	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			06/10/21 06:33	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			06/10/21 06:33	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			06/10/21 06:33	1
1,4-Dioxane	ND		0.72		ug/m3			06/10/21 06:33	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			06/10/21 06:33	1
2-Butanone	ND		0.94		ug/m3			06/10/21 06:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			06/10/21 06:33	1
Benzene	ND		0.26		ug/m3			06/10/21 06:33	1
Benzyl chloride	ND		0.83		ug/m3			06/10/21 06:33	1
Bromodichloromethane	ND		0.54		ug/m3			06/10/21 06:33	1
Bromoform	ND		0.83		ug/m3			06/10/21 06:33	1
Bromomethane	ND		0.31		ug/m3			06/10/21 06:33	1
Carbon tetrachloride	ND		0.20		ug/m3			06/10/21 06:33	1
Chlorobenzene	ND		0.37		ug/m3			06/10/21 06:33	1
Chloroethane	ND		0.21		ug/m3			06/10/21 06:33	1
Chloroform	ND		0.39		ug/m3			06/10/21 06:33	1
Chloromethane	ND		0.41		ug/m3			06/10/21 06:33	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			06/10/21 06:33	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			06/10/21 06:33	1
Cyclohexane	ND		0.69		ug/m3			06/10/21 06:33	1
Dibromochloromethane	ND		0.68		ug/m3			06/10/21 06:33	1
Dichlorodifluoromethane	ND		0.40		ug/m3			06/10/21 06:33	1
Ethanol	ND		3.8		ug/m3			06/10/21 06:33	1
Ethylbenzene	ND		0.35		ug/m3			06/10/21 06:33	1
Hexachlorobutadiene	ND		0.85		ug/m3			06/10/21 06:33	1
Hexane	ND		0.70		ug/m3			06/10/21 06:33	1
Methyl tert-butyl ether	ND		0.58		ug/m3			06/10/21 06:33	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-50650/4

Matrix: Air

Analysis Batch: 50650

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.4		ug/m3			06/10/21 06:33	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			06/10/21 06:33	1
Naphthalene	ND		1.0		ug/m3			06/10/21 06:33	1
o-Xylene	ND		0.35		ug/m3			06/10/21 06:33	1
Styrene	ND		0.34		ug/m3			06/10/21 06:33	1
t-Butyl alcohol	ND		0.97		ug/m3			06/10/21 06:33	1
Tetrachloroethene	ND		0.54		ug/m3			06/10/21 06:33	1
Toluene	ND		0.45		ug/m3			06/10/21 06:33	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			06/10/21 06:33	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			06/10/21 06:33	1
Trichloroethene	ND		0.19		ug/m3			06/10/21 06:33	1
Trichlorofluoromethane	ND		0.45		ug/m3			06/10/21 06:33	1
Vinyl chloride	ND		0.10		ug/m3			06/10/21 06:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 140					06/10/21 06:33	1

Lab Sample ID: LCS 140-50650/1002

Matrix: Air

Analysis Batch: 50650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.00	2.14		ppb v/v		107	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.17		ppb v/v		109	70 - 130
1,1,2-Trichloroethane	2.00	2.08		ppb v/v		104	70 - 130
1,1,2-Trichlorotrifluoroethane	2.00	2.18		ppb v/v		109	70 - 130
1,1-Dichloroethane	2.00	2.10		ppb v/v		105	70 - 130
1,1-Dichloroethene	2.00	2.11		ppb v/v		106	70 - 130
1,2,4-Trichlorobenzene	2.00	1.92		ppb v/v		96	60 - 140
1,2,4-Trimethylbenzene	2.00	2.17		ppb v/v		109	70 - 130
1,2-Dibromoethane	2.00	2.14		ppb v/v		107	70 - 130
1,2-Dichlorobenzene	2.00	2.07		ppb v/v		103	70 - 130
1,2-Dichloroethane	2.00	2.18		ppb v/v		109	70 - 130
1,2-Dichloropropane	2.00	2.18		ppb v/v		109	70 - 130
1,2-Dichlorotetrafluoroethane	2.00	2.09		ppb v/v		105	60 - 140
1,3,5-Trimethylbenzene	2.00	2.52		ppb v/v		126	70 - 130
1,3-Dichlorobenzene	2.00	2.04		ppb v/v		102	70 - 130
1,4-Dichlorobenzene	2.00	2.03		ppb v/v		102	70 - 130
1,4-Dioxane	2.00	1.97		ppb v/v		99	60 - 140
2,2,4-Trimethylpentane	2.00	2.25		ppb v/v		113	70 - 130
2-Butanone	2.00	1.95		ppb v/v		98	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	2.21		ppb v/v		110	60 - 140
Benzene	2.00	2.13		ppb v/v		107	70 - 130
Benzyl chloride	2.00	2.20		ppb v/v		110	70 - 130
Bromodichloromethane	2.00	2.21		ppb v/v		111	70 - 130
Bromoform	2.00	2.45		ppb v/v		123	60 - 140
Bromomethane	2.00	2.13		ppb v/v		106	70 - 130

Eurofins TestAmerica, Knoxville

QC Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-50650/1002

Matrix: Air

Analysis Batch: 50650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	2.00	2.37		ppb v/v		119	70 - 130
Chlorobenzene	2.00	2.11		ppb v/v		105	70 - 130
Chloroethane	2.00	2.18		ppb v/v		109	70 - 130
Chloroform	2.00	2.11		ppb v/v		106	70 - 130
Chloromethane	2.00	2.13		ppb v/v		106	60 - 140
cis-1,2-Dichloroethene	2.00	2.21		ppb v/v		111	70 - 130
cis-1,3-Dichloropropene	2.00	2.25		ppb v/v		112	70 - 130
Cyclohexane	2.00	2.26		ppb v/v		113	70 - 130
Dibromochloromethane	2.00	2.22		ppb v/v		111	70 - 130
Dichlorodifluoromethane	2.00	2.17		ppb v/v		109	60 - 140
Ethanol	10.0	7.81		ppb v/v		78	60 - 140
Ethylbenzene	2.00	2.19		ppb v/v		110	70 - 130
Hexachlorobutadiene	2.00	1.97		ppb v/v		99	60 - 140
Hexane	2.00	2.13		ppb v/v		107	70 - 130
Methyl tert-butyl ether	2.00	2.23		ppb v/v		112	60 - 140
Methylene Chloride	2.00	2.05		ppb v/v		102	70 - 130
m-Xylene & p-Xylene	4.00	4.47		ppb v/v		112	70 - 130
Naphthalene	2.00	1.69		ppb v/v		85	60 - 140
o-Xylene	2.00	2.19		ppb v/v		109	70 - 130
Styrene	2.00	2.25		ppb v/v		113	70 - 130
t-Butyl alcohol	2.00	2.06		ppb v/v		103	60 - 140
Tetrachloroethene	2.00	2.05		ppb v/v		103	70 - 130
Toluene	2.00	2.16		ppb v/v		108	70 - 130
trans-1,2-Dichloroethene	2.00	2.14		ppb v/v		107	70 - 130
trans-1,3-Dichloropropene	2.00	2.24		ppb v/v		112	70 - 130
Trichloroethene	2.00	2.08		ppb v/v		104	70 - 130
Trichlorofluoromethane	2.00	2.13		ppb v/v		106	60 - 140
Vinyl chloride	2.00	2.22		ppb v/v		111	70 - 130
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	11	11.7		ug/m3		107	70 - 130
1,1,2,2-Tetrachloroethane	14	14.9		ug/m3		109	70 - 130
1,1,2-Trichloroethane	11	11.3		ug/m3		104	70 - 130
1,1,2-Trichlorotrifluoroethane	15	16.7		ug/m3		109	70 - 130
1,1-Dichloroethane	8.1	8.52		ug/m3		105	70 - 130
1,1-Dichloroethene	7.9	8.39		ug/m3		106	70 - 130
1,2,4-Trichlorobenzene	15	14.3		ug/m3		96	60 - 140
1,2,4-Trimethylbenzene	9.8	10.7		ug/m3		109	70 - 130
1,2-Dibromoethane	15	16.4		ug/m3		107	70 - 130
1,2-Dichlorobenzene	12	12.4		ug/m3		103	70 - 130
1,2-Dichloroethane	8.1	8.82		ug/m3		109	70 - 130
1,2-Dichloropropane	9.2	10.1		ug/m3		109	70 - 130
1,2-Dichlorotetrafluoroethane	14	14.6		ug/m3		105	60 - 140
1,3,5-Trimethylbenzene	9.8	12.4		ug/m3		126	70 - 130
1,3-Dichlorobenzene	12	12.3		ug/m3		102	70 - 130
1,4-Dichlorobenzene	12	12.2		ug/m3		102	70 - 130
1,4-Dioxane	7.2	7.11		ug/m3		99	60 - 140

QC Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-50650/1002

Matrix: Air

Analysis Batch: 50650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2,4-Trimethylpentane	9.3	10.5		ug/m3		113	70 - 130
2-Butanone	5.9	5.76		ug/m3		98	60 - 140
4-Methyl-2-pentanone (MIBK)	8.2	9.03		ug/m3		110	60 - 140
Benzene	6.4	6.82		ug/m3		107	70 - 130
Benzyl chloride	10	11.4		ug/m3		110	70 - 130
Bromodichloromethane	13	14.8		ug/m3		111	70 - 130
Bromoform	21	25.3		ug/m3		123	60 - 140
Bromomethane	7.8	8.25		ug/m3		106	70 - 130
Carbon tetrachloride	13	14.9		ug/m3		119	70 - 130
Chlorobenzene	9.2	9.69		ug/m3		105	70 - 130
Chloroethane	5.3	5.75		ug/m3		109	70 - 130
Chloroform	9.8	10.3		ug/m3		106	70 - 130
Chloromethane	4.1	4.39		ug/m3		106	60 - 140
cis-1,2-Dichloroethene	7.9	8.76		ug/m3		111	70 - 130
cis-1,3-Dichloropropene	9.1	10.2		ug/m3		112	70 - 130
Cyclohexane	6.9	7.78		ug/m3		113	70 - 130
Dibromochloromethane	17	18.9		ug/m3		111	70 - 130
Dichlorodifluoromethane	9.9	10.7		ug/m3		109	60 - 140
Ethanol	19	14.7		ug/m3		78	60 - 140
Ethylbenzene	8.7	9.52		ug/m3		110	70 - 130
Hexachlorobutadiene	21	21.0		ug/m3		99	60 - 140
Hexane	7.0	7.51		ug/m3		107	70 - 130
Methyl tert-butyl ether	7.2	8.06		ug/m3		112	60 - 140
Methylene Chloride	6.9	7.11		ug/m3		102	70 - 130
m-Xylene & p-Xylene	17	19.4		ug/m3		112	70 - 130
Naphthalene	10	8.86		ug/m3		85	60 - 140
o-Xylene	8.7	9.50		ug/m3		109	70 - 130
Styrene	8.5	9.60		ug/m3		113	70 - 130
t-Butyl alcohol	6.1	6.25		ug/m3		103	60 - 140
Tetrachloroethene	14	13.9		ug/m3		103	70 - 130
Toluene	7.5	8.14		ug/m3		108	70 - 130
trans-1,2-Dichloroethene	7.9	8.49		ug/m3		107	70 - 130
trans-1,3-Dichloropropene	9.1	10.2		ug/m3		112	70 - 130
Trichloroethene	11	11.2		ug/m3		104	70 - 130
Trichlorofluoromethane	11	11.9		ug/m3		106	60 - 140
Vinyl chloride	5.1	5.68		ug/m3		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		60 - 140

Lab Sample ID: MB 140-50713/4

Matrix: Air

Analysis Batch: 50713

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	ND		2.0		ppb v/v			06/13/21 09:46	1

Eurofins TestAmerica, Knoxville

QC Sample Results

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	ND		3.8		ug/m3			06/13/21 09:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		60 - 140					06/13/21 09:46	1

Lab Sample ID: LCS 140-50713/1002
Matrix: Air
Analysis Batch: 50713

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethanol	10.0	12.2		ppb v/v		122	60 - 140
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethanol	19	22.9		ug/m3		122	60 - 140
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	125		60 - 140				

QC Association Summary

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Air - GC/MS VOA

Analysis Batch: 50650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-23392-1	EQUIPMENT BLANK	Total/NA	Air	TO 15 LL	
140-23392-2	GAC INFLUENT	Total/NA	Air	TO 15 LL	
140-23392-3	GAC EFFLUENT	Total/NA	Air	TO 15 LL	
MB 140-50650/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-50650/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 50713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-23392-1 - DL	EQUIPMENT BLANK	Total/NA	Air	TO 15 LL	
MB 140-50713/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-50713/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-23392-1

Date Collected: 06/07/21 09:35

Matrix: Air

Date Received: 06/09/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL	DL	1	100 mL	500 mL	50713	06/13/21 11:11	S1K	TAL KNX
Instrument ID: MH										
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	50650	06/10/21 22:27	S1K	TAL KNX
Instrument ID: MS										

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-23392-2

Date Collected: 06/07/21 09:40

Matrix: Air

Date Received: 06/09/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		3.05	10 mL	500 mL	50650	06/10/21 23:13	S1K	TAL KNX
Instrument ID: MS										

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-23392-3

Date Collected: 06/07/21 09:42

Matrix: Air

Date Received: 06/09/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	200 mL	500 mL	50650	06/10/21 23:59	S1K	TAL KNX
Instrument ID: MS										

Client Sample ID: Method Blank

Lab Sample ID: MB 140-50650/4

Date Collected: N/A

Matrix: Air

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	50650	06/10/21 06:33	S1K	TAL KNX
Instrument ID: MS										

Client Sample ID: Method Blank

Lab Sample ID: MB 140-50713/4

Date Collected: N/A

Matrix: Air

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	50713	06/13/21 09:46	S1K	TAL KNX
Instrument ID: MH										

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-50650/1002

Date Collected: N/A

Matrix: Air

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	50650	06/10/21 05:10	S1K	TAL KNX
Instrument ID: MS										

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-50713/1002

Date Collected: N/A

Matrix: Air

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	50713	06/13/21 07:49	S1K	TAL KNX
Instrument ID: MH										

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Laboratory: Eurofins TestAmerica, Knoxville

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10781	03-31-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO 15 LL		Air	1,1,2-Trichlorotrifluoroethane
TO 15 LL		Air	1,2-Dichlorotetrafluoroethane
TO 15 LL		Air	1,3,5-Trimethylbenzene
TO 15 LL		Air	Dichlorodifluoromethane
TO 15 LL		Air	Ethanol
TO 15 LL		Air	o-Xylene
TO 15 LL		Air	Trichlorofluoromethane

Method Summary

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Method	Method Description	Protocol	Laboratory
TO 15 LL	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job ID: 140-23392-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-23392-1	EQUIPMENT BLANK	Air	06/07/21 09:35	06/09/21 09:45	Air Canister (6-Liter) #11158
140-23392-2	GAC INFLUENT	Air	06/07/21 09:40	06/09/21 09:45	Air Canister (6-Liter) #09672
140-23392-3	GAC EFFLUENT	Air	06/07/21 09:42	06/09/21 09:45	Air Canister (6-Liter) #11209

Method T015 Low Level

Volatile Organic Compounds - Low
level (GC/MS) by Method TO 15

FORM II
AIR - GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1

SDG No.: _____

Matrix: Air Level: Low

GC Column (1): RTX-5 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	BFB #
EQUIPMENT BLANK	140-23392-1	99
EQUIPMENT BLANK DL	140-23392-1 DL	95
GAC INFLUENT	140-23392-2	95
GAC EFFLUENT	140-23392-3	99
	MB 140-50650/4	95
	MB 140-50713/4	96
	LCS 140-50650/1002	102
	LCS 140-50713/1002	125

BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
60-140

Column to be used to flag recovery values

FORM II TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: SF10CCV-LCS.d
 Lab ID: LCS 140-50650/1002 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.00	2.14	107	70-130	
1,1,2,2-Tetrachloroethane	2.00	2.17	109	70-130	
1,1,2-Trichloroethane	2.00	2.08	104	70-130	
1,1,2-Trichlorotrifluoroethane	2.00	2.18	109	70-130	
1,1-Dichloroethane	2.00	2.10	105	70-130	
1,1-Dichloroethene	2.00	2.11	106	70-130	
1,2,4-Trichlorobenzene	2.00	1.92	96	60-140	
1,2,4-Trimethylbenzene	2.00	2.17	109	70-130	
1,2-Dibromoethane	2.00	2.14	107	70-130	
1,2-Dichlorobenzene	2.00	2.07	103	70-130	
1,2-Dichloroethane	2.00	2.18	109	70-130	
1,2-Dichloropropane	2.00	2.18	109	70-130	
1,2-Dichlorotetrafluoroethane	2.00	2.09	105	60-140	
1,3,5-Trimethylbenzene	2.00	2.52	126	70-130	
1,3-Dichlorobenzene	2.00	2.04	102	70-130	
1,4-Dichlorobenzene	2.00	2.03	102	70-130	
1,4-Dioxane	2.00	1.97	99	60-140	
2,2,4-Trimethylpentane	2.00	2.25	113	70-130	
2-Butanone	2.00	1.95	98	60-140	
4-Methyl-2-pentanone (MIBK)	2.00	2.21	110	60-140	
Benzene	2.00	2.13	107	70-130	
Benzyl chloride	2.00	2.20	110	70-130	
Bromodichloromethane	2.00	2.21	111	70-130	
Bromoform	2.00	2.45	123	60-140	
Bromomethane	2.00	2.13	106	70-130	
Carbon tetrachloride	2.00	2.37	119	70-130	
Chlorobenzene	2.00	2.11	105	70-130	
Chloroethane	2.00	2.18	109	70-130	
Chloroform	2.00	2.11	106	70-130	
Chloromethane	2.00	2.13	106	60-140	
cis-1,2-Dichloroethene	2.00	2.21	111	70-130	
cis-1,3-Dichloropropene	2.00	2.25	112	70-130	
Cyclohexane	2.00	2.26	113	70-130	
Dibromochloromethane	2.00	2.22	111	70-130	
Dichlorodifluoromethane	2.00	2.17	109	60-140	
Ethanol	10.0	7.81	78	60-140	
Ethylbenzene	2.00	2.19	110	70-130	
Hexachlorobutadiene	2.00	1.97	99	60-140	
Hexane	2.00	2.13	107	70-130	
Methyl tert-butyl ether	2.00	2.23	112	60-140	
Methylene Chloride	2.00	2.05	102	70-130	
m-Xylene & p-Xylene	4.00	4.47	112	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: SF10CCV-LCS.d
 Lab ID: LCS 140-50650/1002 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Naphthalene	2.00	1.69	85	60-140	
o-Xylene	2.00	2.19	109	70-130	
Styrene	2.00	2.25	113	70-130	
t-Butyl alcohol	2.00	2.06	103	60-140	
Tetrachloroethene	2.00	2.05	103	70-130	
Toluene	2.00	2.16	108	70-130	
trans-1,2-Dichloroethene	2.00	2.14	107	70-130	
trans-1,3-Dichloropropene	2.00	2.24	112	70-130	
Trichloroethene	2.00	2.08	104	70-130	
Trichlorofluoromethane	2.00	2.13	106	60-140	
Vinyl chloride	2.00	2.22	111	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: HCCVF13-LCS.d
Lab ID: LCS 140-50713/1002 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Ethanol	10.0	12.2	122	60-140	

Column to be used to flag recovery and RPD values
FORM III TO 15 LL

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
SDG No.: _____
Lab File ID: H500BF13.D Lab Sample ID: MB 140-50713/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: MH Date Analyzed: 06/13/2021 09:46
GC Column: RTX-5 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 140-50713/1002	HCCVF13-LCS .d	06/13/2021 07:49
EQUIPMENT BLANK DL	140-23392-1 DL	HF13P101.D	06/13/2021 11:11

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
SDG No.: _____
Lab File ID: SF10MB500.D Lab Sample ID: MB 140-50650/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: MS Date Analyzed: 06/10/2021 06:33
GC Column: RTX-5 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 140-50650/1002	SF10CCV-LCS .d	06/10/2021 05:10
EQUIPMENT BLANK	140-23392-1	SF10P110.D	06/10/2021 22:27
GAC INFLUENT	140-23392-2	SF10P111.D	06/10/2021 23:13
GAC EFFLUENT	140-23392-3	SF10P112.D	06/10/2021 23:59

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
SDG No.: _____
Lab File ID: HE22BFBB.D BFB Injection Date: 05/22/2021
Instrument ID: MH BFB Injection Time: 08:01
Analysis Batch No.: 50074

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.1
75	30.0 - 60.0 % of mass 95	46.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.8 (0.8) 1
174	Greater than 50% of mass 95	107.5
175	5.0 - 9.0 % of mass 174	7.8 (7.3) 1
176	95.0 - 101.0 % of mass 174	102.8 (95.6) 1
177	5.0 - 9.0 % of mass 176	6.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 140-50074/3	HE22IC10B.D	05/22/2021	9:12
	IC 140-50074/5	HE22C09.D	05/22/2021	10:37
	IC 140-50074/7	HE22C08.D	05/22/2021	12:03
	IC 140-50074/9	HE22C01.D	05/22/2021	13:29
	IC 140-50074/10	HE22C02.D	05/22/2021	14:11
	IC 140-50074/11	HE22C03.D	05/22/2021	14:54
	IC 140-50074/12	HE22IC04.D	05/22/2021	15:37
	IC 140-50074/13	HE22IC05.D	05/22/2021	16:23
	IC 140-50074/14	HE22IC06.D	05/22/2021	17:08
	ICIS 140-50074/15	HE22IC07.D	05/22/2021	17:53
	ICV 140-50074/17	HE22ICV.D	05/22/2021	19:22

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
SDG No.: _____
Lab File ID: HBFBF13.D BFB Injection Date: 06/13/2021
Instrument ID: MH BFB Injection Time: 07:21
Analysis Batch No.: 50713

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	27.4
75	30.0 - 60.0 % of mass 95	61.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.1
173	Less than 2.0 % of mass 174	1.2 (1.1) 1
174	Greater than 50% of mass 95	109.1
175	5.0 - 9.0 % of mass 174	7.6 (6.9) 1
176	95.0 - 101.0 % of mass 174	106.3 (97.4) 1
177	5.0 - 9.0 % of mass 176	7.2 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 140-50713/2	HCCVF13.D	06/13/2021	7:49
	LCS 140-50713/1002	HCCVF13-LCS.d	06/13/2021	7:49
	MB 140-50713/4	H500BF13.D	06/13/2021	9:46
EQUIPMENT BLANK DL	140-23392-1 DL	HF13P101.D	06/13/2021	11:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
SDG No.: _____
Lab File ID: SBFBF09B.D BFB Injection Date: 06/09/2021
Instrument ID: MS BFB Injection Time: 11:10
Analysis Batch No.: 50646

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.6
75	30.0 - 60.0 % of mass 95	45.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.7 (0.6) 1
174	Greater than 50% of mass 95	113.9
175	5.0 - 9.0 % of mass 174	8.2 (7.2) 1
176	95.0 - 101.0 % of mass 174	109.9 (96.5) 1
177	5.0 - 9.0 % of mass 176	7.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 140-50646/3	SF09IC10.D	06/09/2021	14:14
	IC 140-50646/5	SF09C09.D	06/09/2021	15:49
	IC 140-50646/7	SF09IC08.D	06/09/2021	17:23
	IC 140-50646/9	SF09IC01.D	06/09/2021	18:55
	IC 140-50646/10	SF09IC02.D	06/09/2021	19:40
	IC 140-50646/11	SF09IC03.D	06/09/2021	20:27
	IC 140-50646/12	SF09IC04.D	06/09/2021	21:15
	IC 140-50646/13	SF09IC05.D	06/09/2021	22:04
	IC 140-50646/14	SF09IC06.D	06/09/2021	22:54
	ICIS 140-50646/15	SF09IC07.D	06/09/2021	23:44
	ICV 140-50646/17	SF09ICV.D	06/10/2021	1:28

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
SDG No.: _____
Lab File ID: SF10BFB.D BFB Injection Date: 06/10/2021
Instrument ID: MS BFB Injection Time: 04:38
Analysis Batch No.: 50650

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.7
75	30.0 - 60.0 % of mass 95	45.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.6 (0.6) 1
174	Greater than 50% of mass 95	100.6
175	5.0 - 9.0 % of mass 174	6.9 (6.8) 1
176	95.0 - 101.0 % of mass 174	96.0 (95.5) 1
177	5.0 - 9.0 % of mass 176	6.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 140-50650/2	SF10CCV.D	06/10/2021	5:10
	LCS 140-50650/1002	SF10CCV-LCS.d	06/10/2021	5:10
	MB 140-50650/4	SF10MB500.D	06/10/2021	6:33
EQUIPMENT BLANK	140-23392-1	SF10P110.D	06/10/2021	22:27
GAC INFLUENT	140-23392-2	SF10P111.D	06/10/2021	23:13
GAC EFFLUENT	140-23392-3	SF10P112.D	06/10/2021	23:59

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Sample No.: ICIS 140-50074/15 Date Analyzed: 05/22/2021 17:53
 Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm)
 Lab File ID (Standard): HE22IC07.D Heated Purge: (Y/N) N
 Calibration ID: 3090

	CBM		DFBZ		CBZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	293979	9.36	1275417	11.53	1031731	16.22
UPPER LIMIT	411571	9.69	1785584	11.86	1444423	16.55
LOWER LIMIT	176387	9.03	765250	11.20	619039	15.89
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 140-50074/17		274980	9.36	1218574	11.53	1008801 16.22

CBM = Chlorobromomethane (IS)
 DFBZ = 1,4-Difluorobenzene
 CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Sample No.: CCVIS 140-50713/2 Date Analyzed: 06/13/2021 07:49
 Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm)
 Lab File ID (Standard): HCCVF13.D Heated Purge: (Y/N) N
 Calibration ID: 3090

	CBM		DFBZ		CBZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	111155	9.35	497228	11.53	419936	16.22
UPPER LIMIT	155617	9.68	696119	11.86	587910	16.55
LOWER LIMIT	66693	9.02	298337	11.20	251962	15.89
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 140-50713/1002	111155	9.35	497228	11.53	419936	16.22
MB 140-50713/4	110005	9.35	456577	11.53	367087	16.22
140-23392-1 DL	EQUIPMENT BLANK DL	103012	9.35	420177	11.53	356486

CBM = Chlorobromomethane (IS)
 DFBZ = 1,4-Difluorobenzene
 CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Sample No.: ICIS 140-50646/15 Date Analyzed: 06/09/2021 23:44
 Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm)
 Lab File ID (Standard): SF09IC07.D Heated Purge: (Y/N) N
 Calibration ID: 3095

	CBM		DFBZ		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	216764	9.23	1091989	11.40	934893	16.07	
UPPER LIMIT	303470	9.56	1528785	11.73	1308850	16.40	
LOWER LIMIT	130058	8.90	655193	11.07	560936	15.74	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-50646/17		223156	9.23	1116504	11.40	962998	16.07

CBM = Chlorobromomethane (IS)
 DFBZ = 1,4-Difluorobenzene
 CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Sample No.: CCVIS 140-50650/2 Date Analyzed: 06/10/2021 05:10
 Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm)
 Lab File ID (Standard): SF10CCV.D Heated Purge: (Y/N) N
 Calibration ID: 3095

	CBM		DFBZ		CBZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	211142	9.23	1057832	11.40	931560	16.07
UPPER LIMIT	295599	9.56	1480965	11.73	1304184	16.40
LOWER LIMIT	126685	8.90	634699	11.07	558936	15.74
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 140-50650/1002		211142	9.23	1057832	11.40	931560
MB 140-50650/4		217072	9.23	1071017	11.40	896503
140-23392-1	EQUIPMENT BLANK	176611	9.22	878709	11.40	766311
140-23392-2	GAC INFLUENT	169956	9.22	849407	11.40	713702
140-23392-3	GAC EFFLUENT	165955	9.22	828578	11.40	711831

CBM = Chlorobromomethane (IS)
 DFBZ = 1,4-Difluorobenzene
 CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-23392-1
 Matrix: Air Lab File ID: SF10P110.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:35
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 22:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.083		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	ND		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	0.38		0.20	
78-93-3	2-Butanone	72.11	0.74		0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
71-43-2	Benzene	78.11	0.32		0.080	
100-44-7	Benzyl chloride	126.58	ND		0.16	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
56-23-5	Carbon tetrachloride	153.81	0.072		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	ND		0.080	
74-87-3	Chloromethane	50.49	0.70		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
110-82-7	Cyclohexane	84.16	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-23392-1
 Matrix: Air Lab File ID: SF10P110.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:35
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 22:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.080	
75-71-8	Dichlorodifluoromethane	120.91	0.27		0.080	
64-17-5	<i>Ethanol</i>	<i>46.07</i>	<i>87</i>	<i>E</i>	<i>2.0</i>	
100-41-4	Ethylbenzene	106.17	0.093		0.080	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	0.48		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	1.2		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	0.25		0.080	
91-20-3	Naphthalene	128.17	ND		0.20	
95-47-6	o-Xylene	106.17	0.11		0.080	
100-42-5	Styrene	104.15	ND		0.080	
75-65-0	t-Butyl alcohol	74.12	ND		0.32	
127-18-4	Tetrachloroethene	165.83	ND		0.080	
108-88-3	Toluene	92.14	0.71		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	
79-01-6	Trichloroethene	131.39	ND		0.036	
75-69-4	Trichlorofluoromethane	137.37	0.23		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-23392-1
 Matrix: Air Lab File ID: SF10P110.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:35
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 22:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.61	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.41		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.56	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	ND		0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	1.8		0.93	
78-93-3	2-Butanone	72.11	2.2		0.94	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
71-43-2	Benzene	78.11	1.0		0.26	
100-44-7	Benzyl chloride	126.58	ND		0.83	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
56-23-5	Carbon tetrachloride	153.81	0.45		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	ND		0.39	
74-87-3	Chloromethane	50.49	1.4		0.41	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
110-82-7	Cyclohexane	84.16	ND		0.69	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-23392-1
 Matrix: Air Lab File ID: SF10P110.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:35
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 22:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.68	
75-71-8	Dichlorodifluoromethane	120.91	1.4		0.40	
64-17-5	<i>Ethanol</i>	<i>46.07</i>	<i>160</i>	<i>E</i>	<i>3.8</i>	
100-41-4	Ethylbenzene	106.17	0.40		0.35	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	1.7		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	4.1		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	1.1		0.35	
91-20-3	Naphthalene	128.17	ND		1.0	
95-47-6	o-Xylene	106.17	0.47		0.35	
100-42-5	Styrene	104.15	ND		0.34	
75-65-0	t-Butyl alcohol	74.12	ND		0.97	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
108-88-3	Toluene	92.14	2.7		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	
79-01-6	Trichloroethene	131.39	ND		0.19	
75-69-4	Trichlorofluoromethane	137.37	1.3		0.45	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D
 Lims ID: 140-23392-A-1
 Client ID: EQUIPMENT BLANK
 Sample Type: Client
 Inject. Date: 10-Jun-2021 22:27:30 ALS Bottle#: 10 Worklist Smp#: 22
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019526-022
 Misc. Info.: 140-23392-a-1
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 11-Jun-2021 13:24:47 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 13:24:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.228	-0.005	98	176611	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.401	0.000	95	878709	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	87	766311	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.717	-0.005	97	541844	4.58	
8 Dichlorodifluoromethane	85	3.881	3.881	0.001	100	38199	0.2733	
9 Chloromethane	52	4.080	4.074	0.000	99	14446	0.6977	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.085	4.083	0.000	34	1559	0.0120	
15 Bromomethane	94	4.704	4.709	-0.005	24	1536	0.0278	
17 Ethanol	31	4.951	4.940	0.011	89	1378220	87.1	E
20 Trichlorofluoromethane	101	5.468	5.473	-0.005	98	31961	0.2307	
29 2-Methyl-2-propanol	59	6.334	6.302	0.033	96	7638	0.0808	
30 112TCTFE	101	6.404	6.404	0.000	96	7913	0.0670	
31 Methylene Chloride	84	6.587	6.587	0.001	99	59272	1.19	
39 2-Butanone (MEK)	72	8.421	8.421	0.000	98	18705	0.7402	
40 Hexane	56	8.464	8.459	0.000	90	20956	0.4831	
44 Chloroform	83	9.228	9.239	-0.011	27	4205	0.0368	
51 Benzene	78	10.874	10.874	0.000	97	53517	0.3210	
50 Cyclohexane	69	10.874	10.874	0.000	49	2998	0.1297	
52 Carbon tetrachloride	117	10.907	10.896	0.012	93	7575	0.0720	
55 Isooctane	57	11.617	11.616	0.001	96	109882	0.3802	
64 4-Methyl-2-pentanone (MIBK)	43	13.257	13.247	0.011	89	11846	0.0975	
67 Toluene	91	14.124	14.123	0.001	92	138775	0.7054	
73 Tetrachloroethene	129	15.253	15.253	0.000	94	4156	0.0525	
75 Chlorobenzene	112	16.119	16.119	0.000	50	1263	0.007503	
76 Ethylbenzene	91	16.399	16.399	0.000	99	22672	0.0929	
77 m-Xylene & p-Xylene	91	16.555	16.555	0.000	97	48249	0.2461	
81 o-Xylene	91	17.093	17.088	0.006	98	21675	0.1080	
88 1,3,5-Trimethylbenzene	120	18.433	18.433	0.001	91	2517	0.0224	
92 1,2,4-Trimethylbenzene	105	18.863	18.863	0.000	98	21217	0.0832	
96 1,4-Dichlorobenzene	146	19.223	19.223	0.000	95	6811	0.0355	

[QC Flag Legend](#)

Processing Flags

E - Exceeded Maximum Amount

[Reagents:](#)

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Operator ID: HMT

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Worklist Smp#: 22

Client ID: EQUIPMENT BLANK

Purge Vol: 500.000 mL

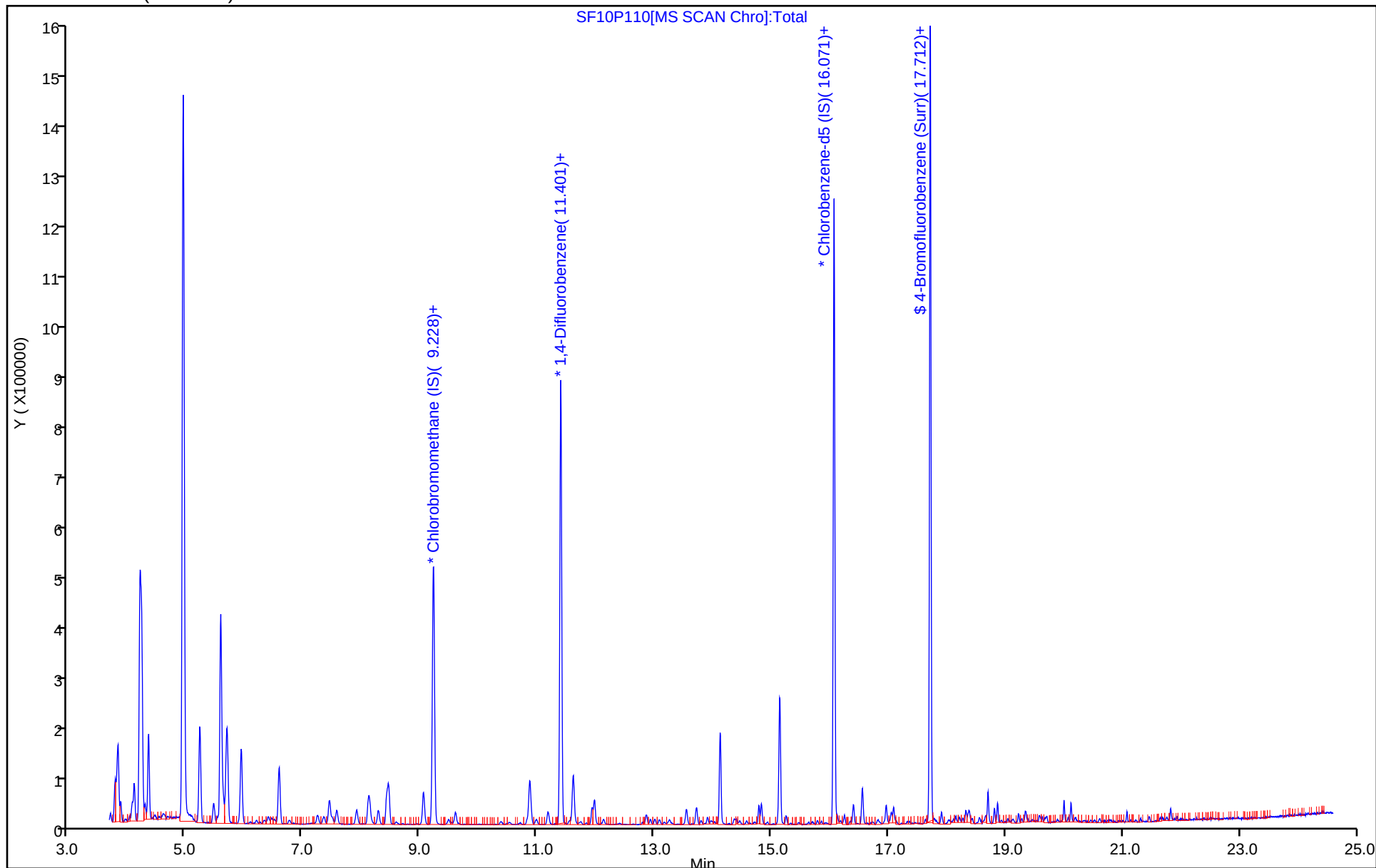
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D
Lims ID: 140-23392-A-1
Client ID: EQUIPMENT BLANK
Sample Type: Client
Inject. Date: 10-Jun-2021 22:27:30 ALS Bottle#: 10 Worklist Smp#: 22
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0019526-022
Misc. Info.: 140-23392-a-1
Operator ID: HMT Instrument ID: MS
Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jun-2021 13:24:47 Calib Date: 09-Jun-2021 23:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 13:24:47

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.58	98.73

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

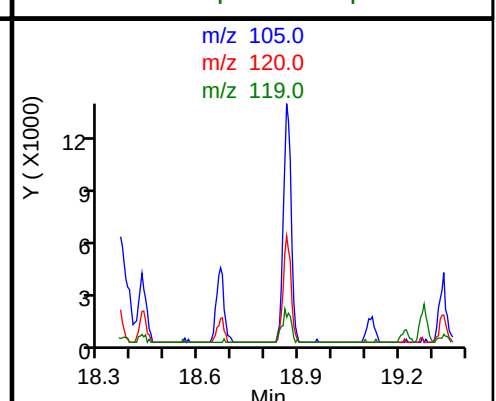
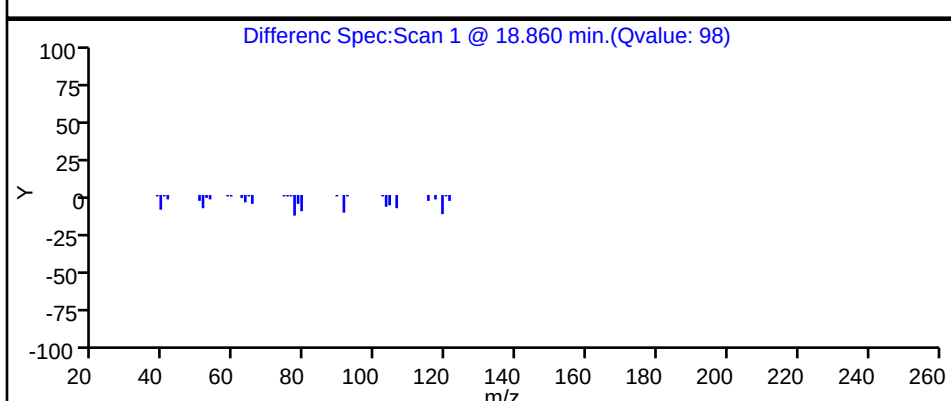
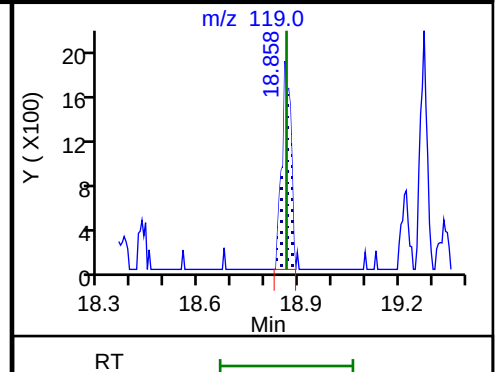
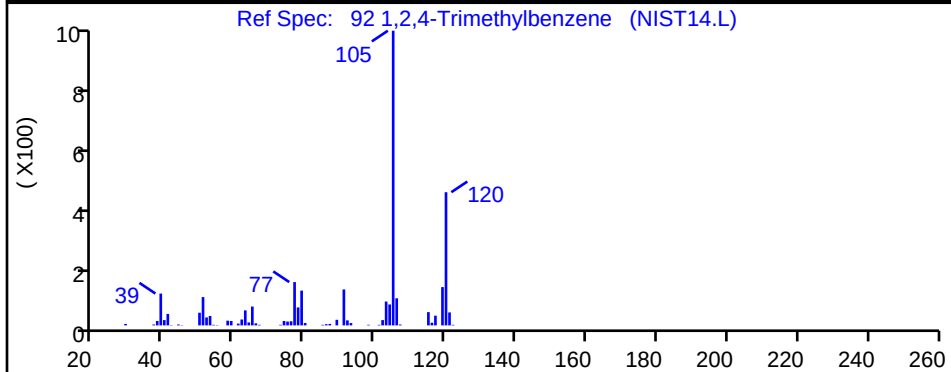
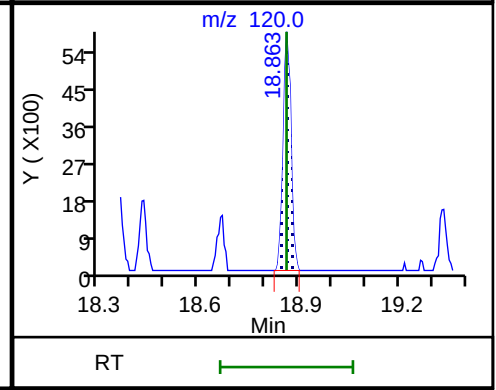
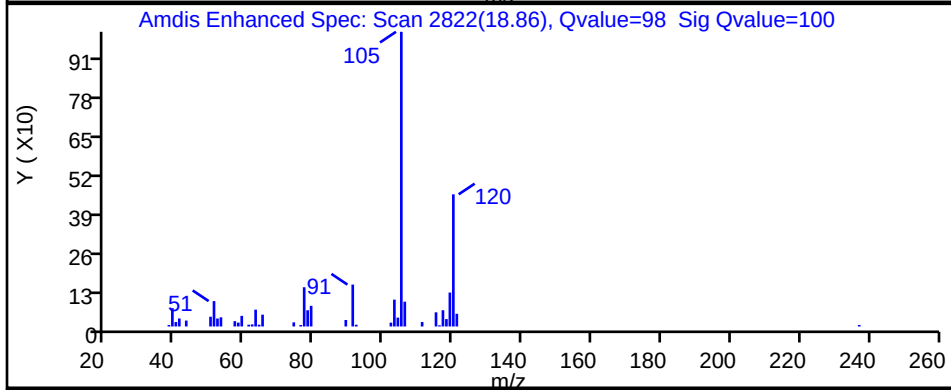
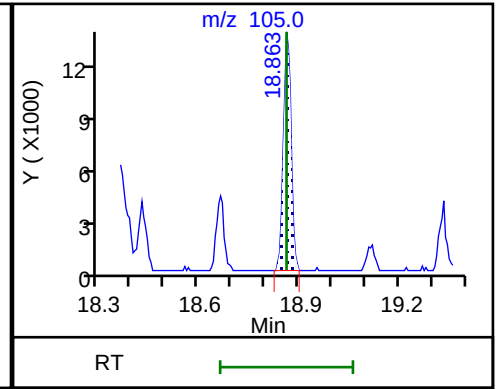
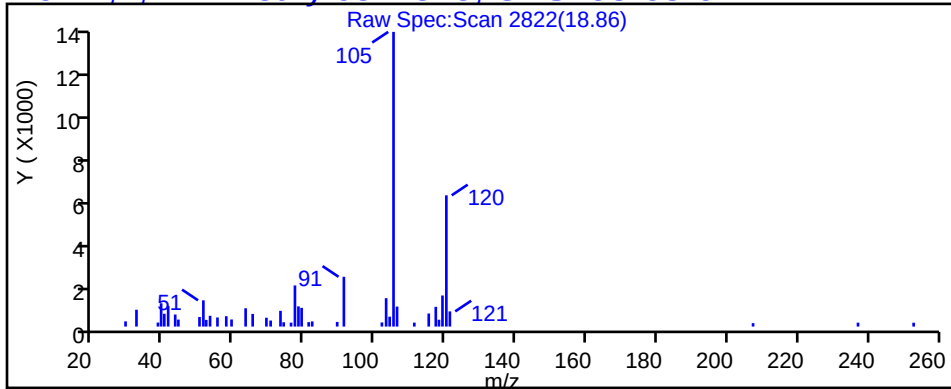
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

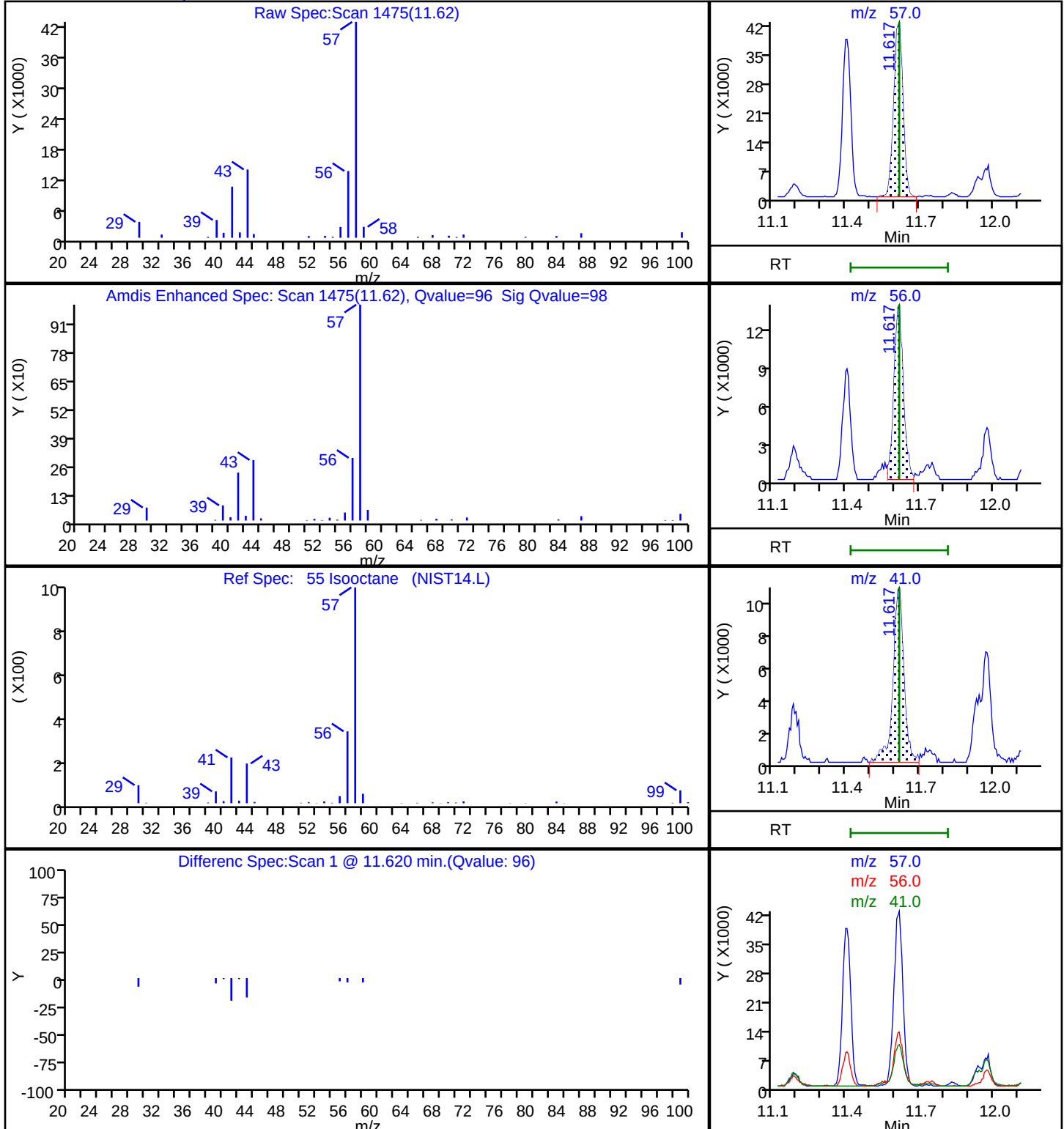
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

55 Isooctane, CAS: 540-84-1

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

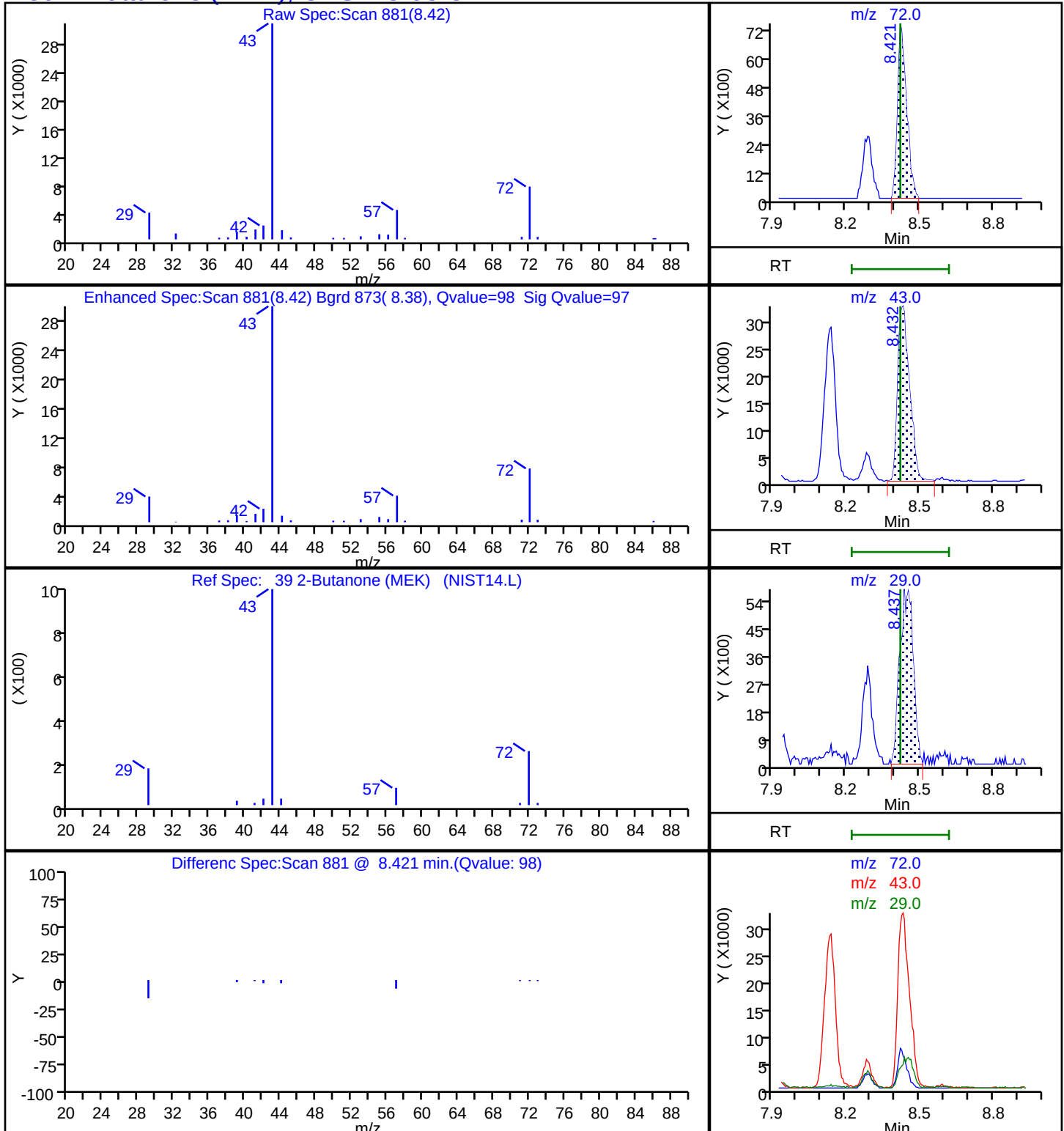
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

39 2-Butanone (MEK), CAS: 78-93-3

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

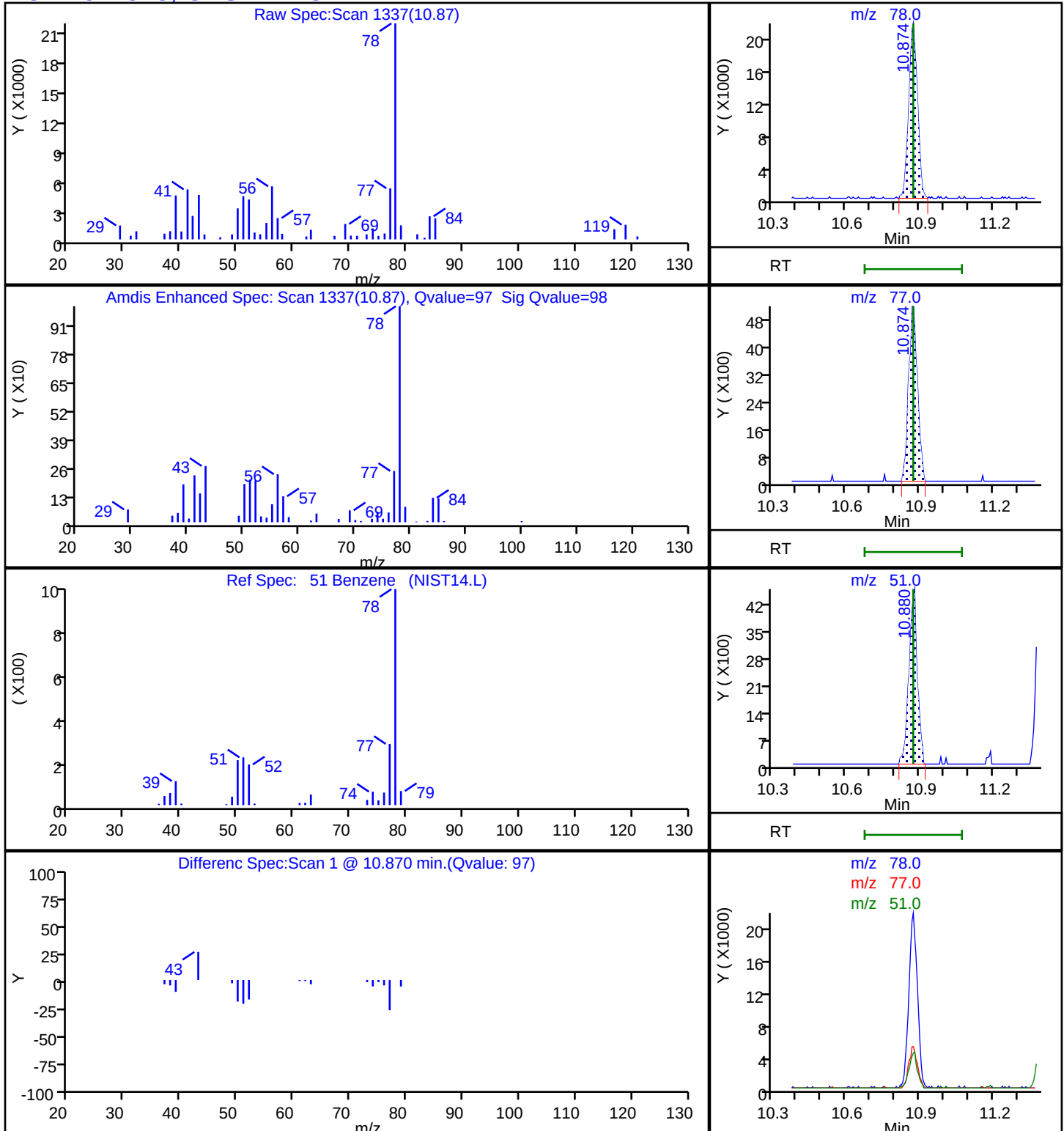
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

51 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

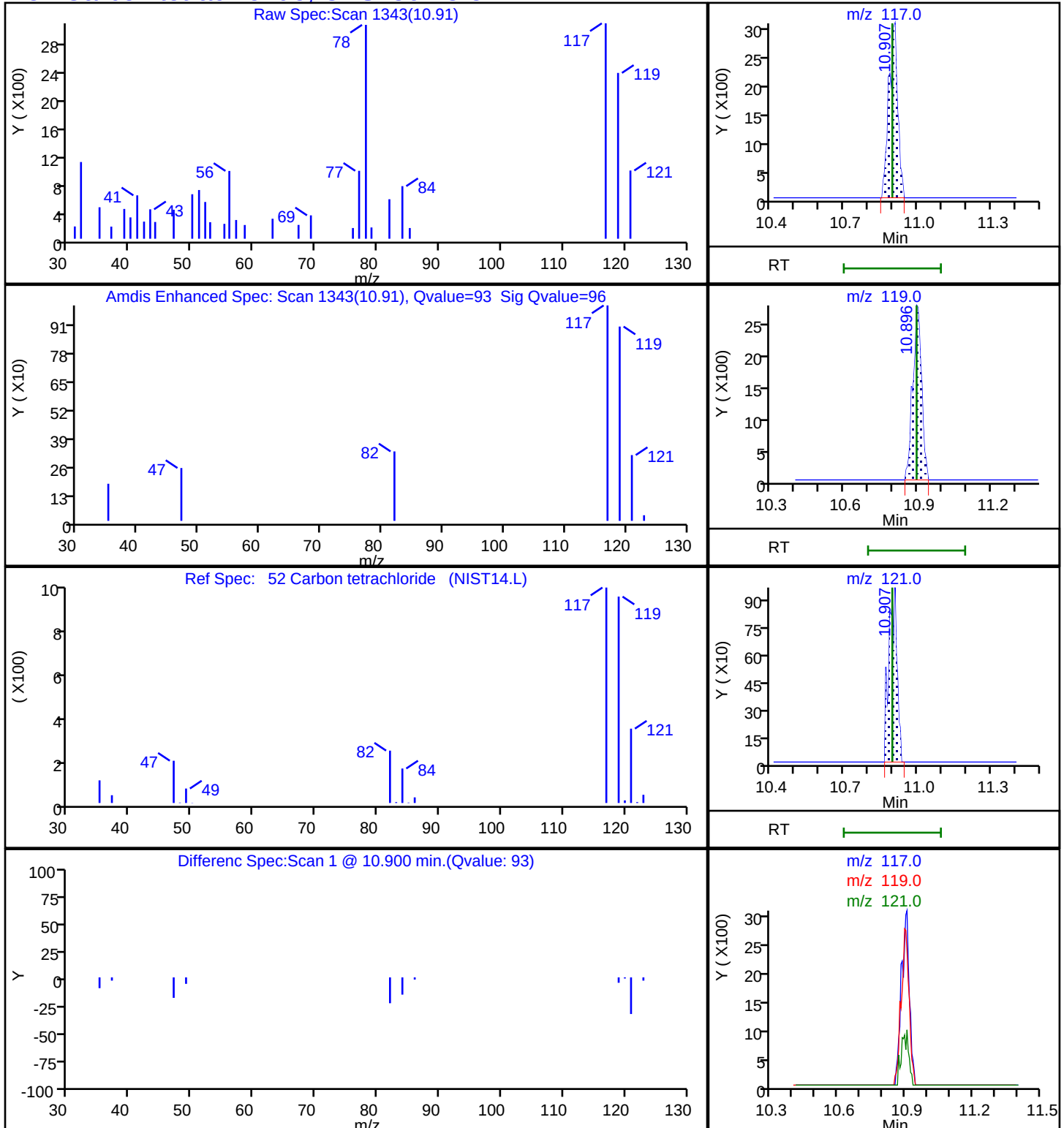
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

52 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

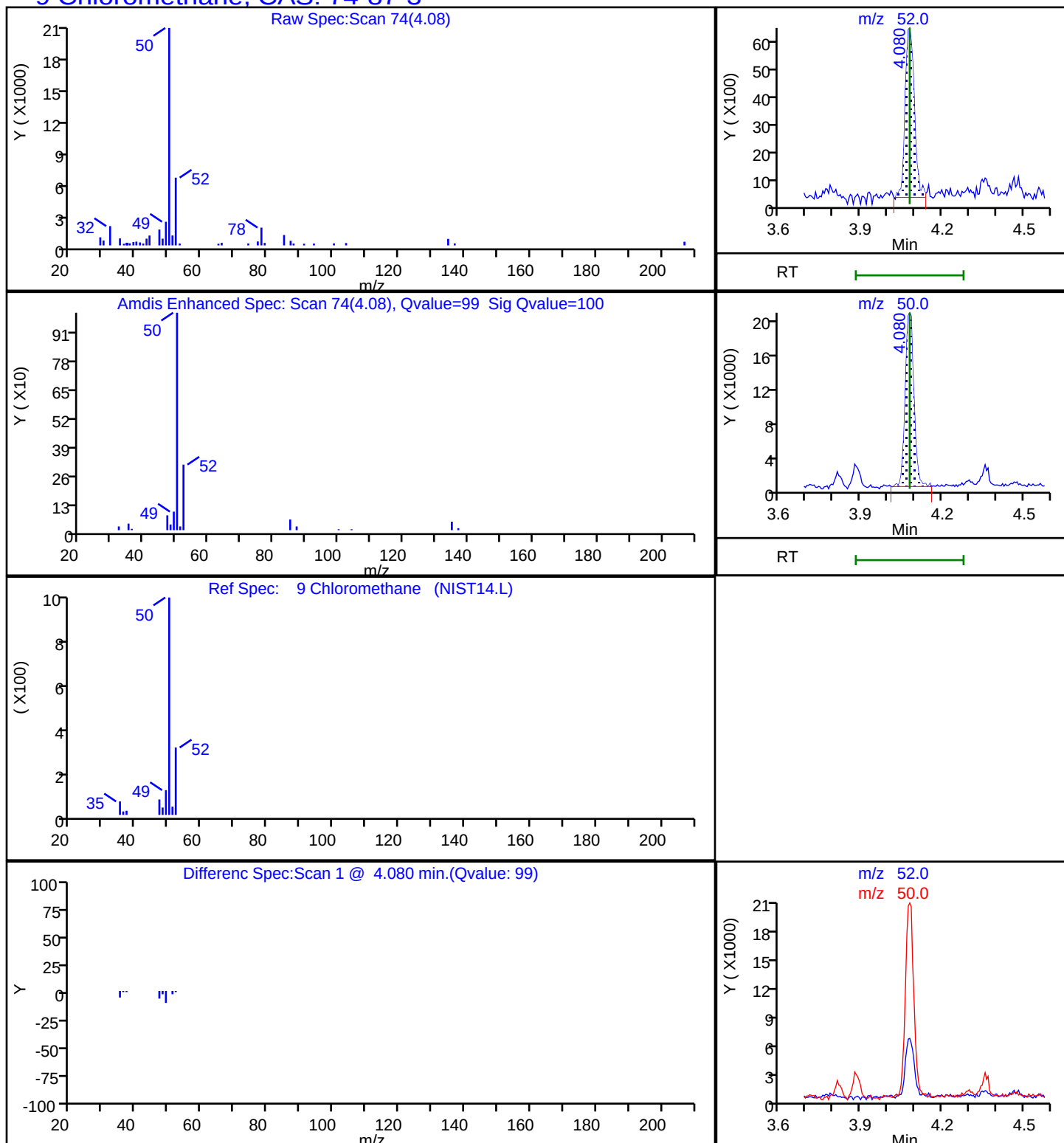
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

9 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

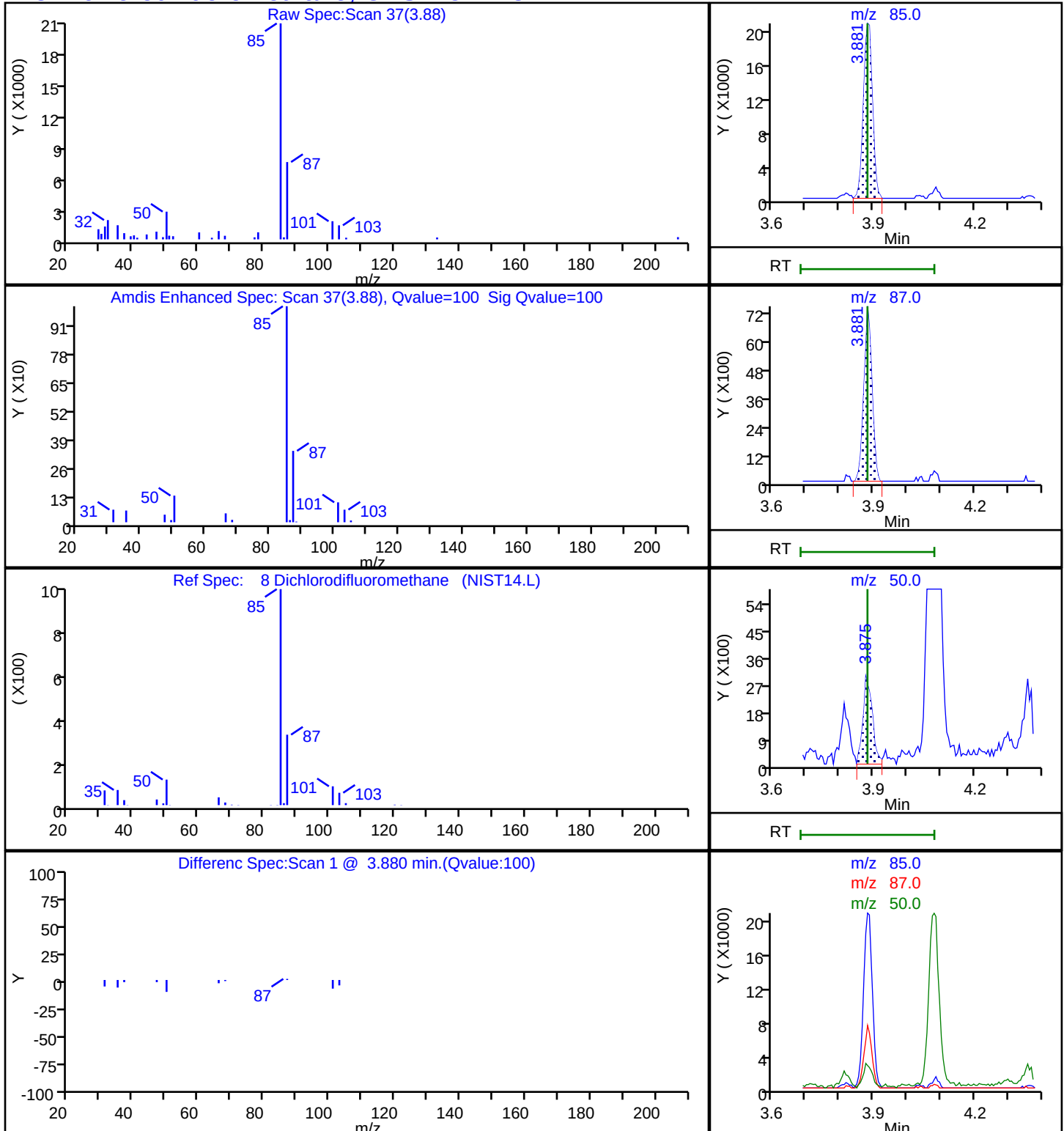
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

8 Dichlorodifluoromethane, CAS: 75-71-8

Detector MS SCAN

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

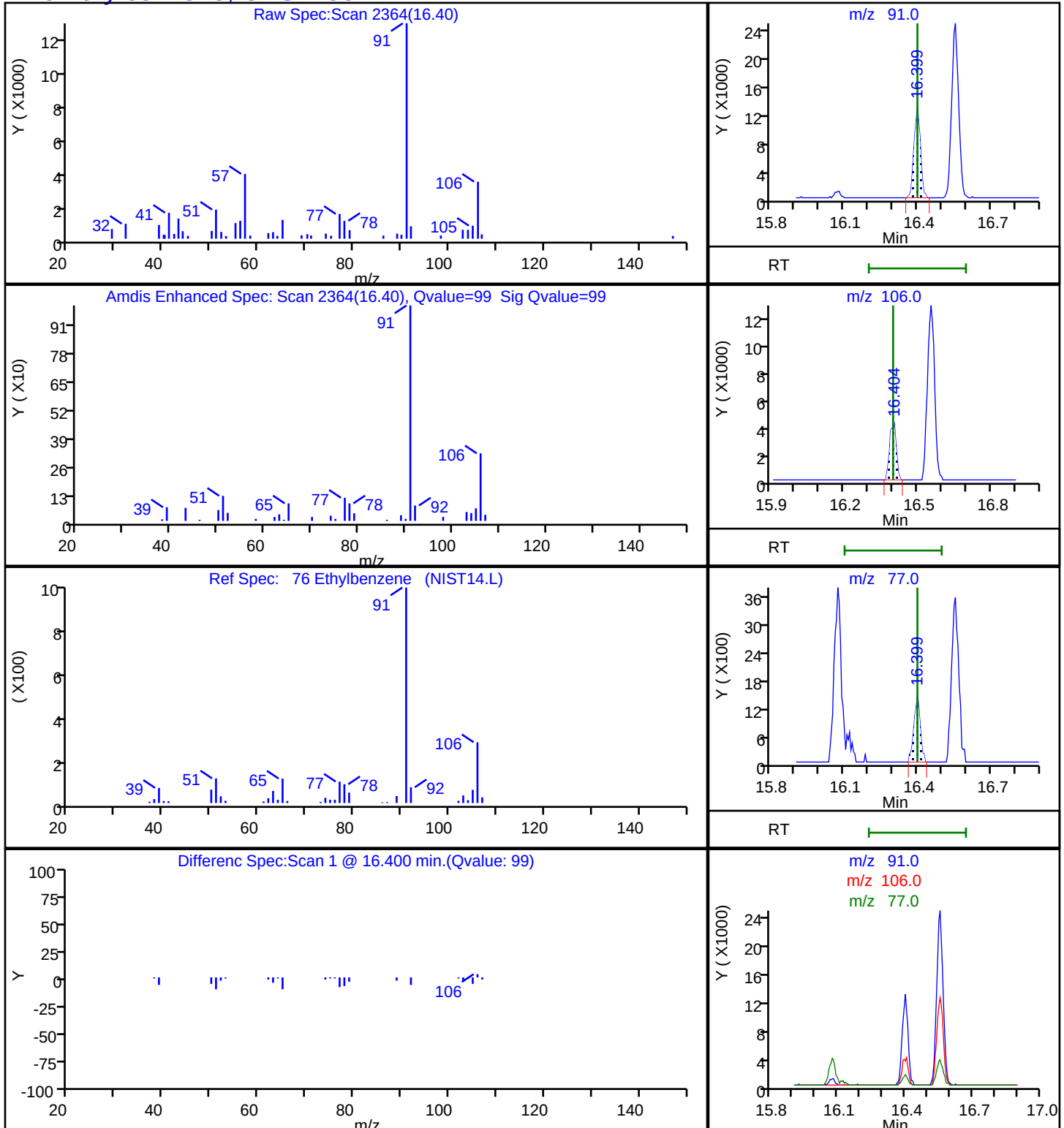
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

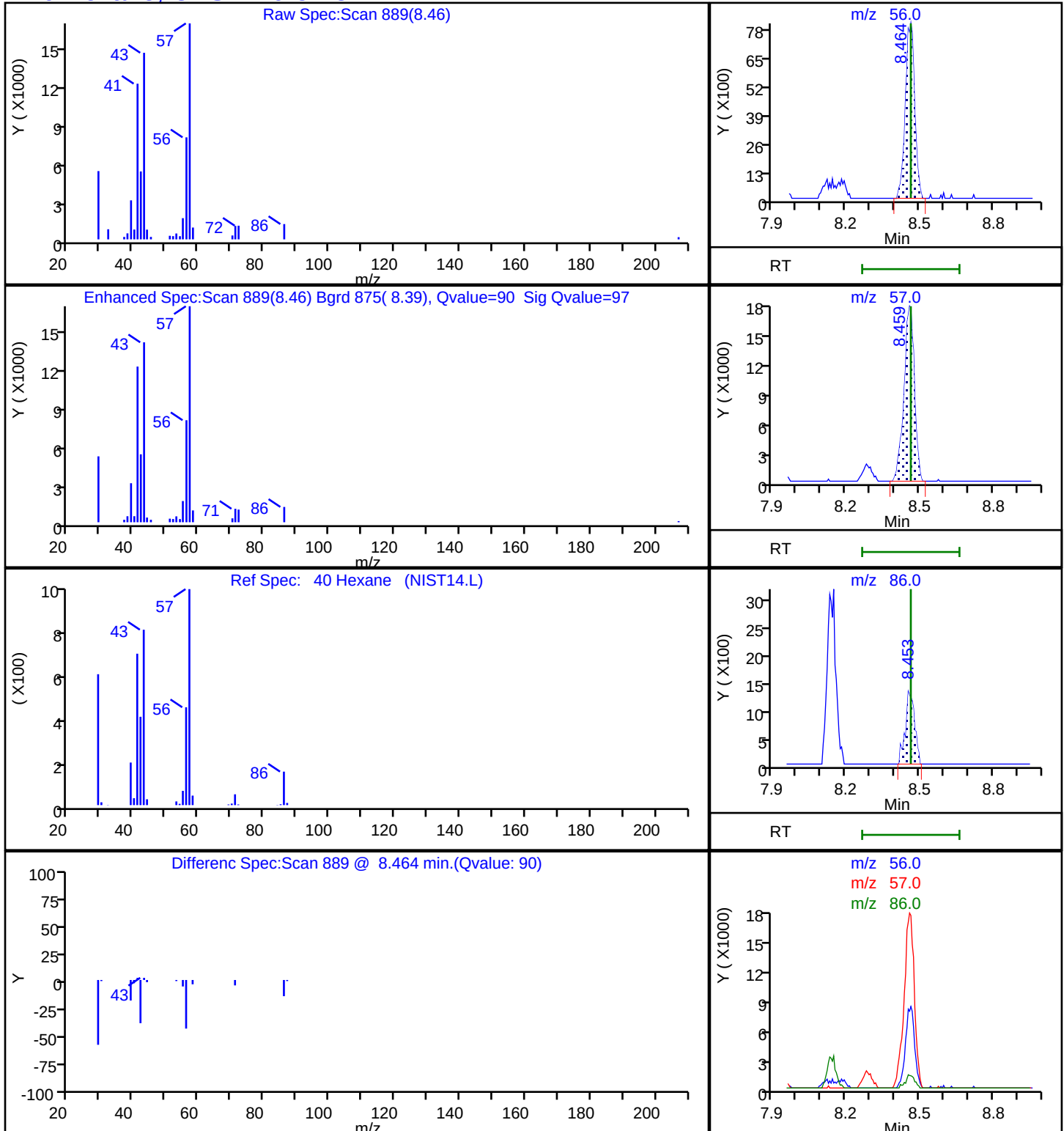
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

40 Hexane, CAS: 110-54-3

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

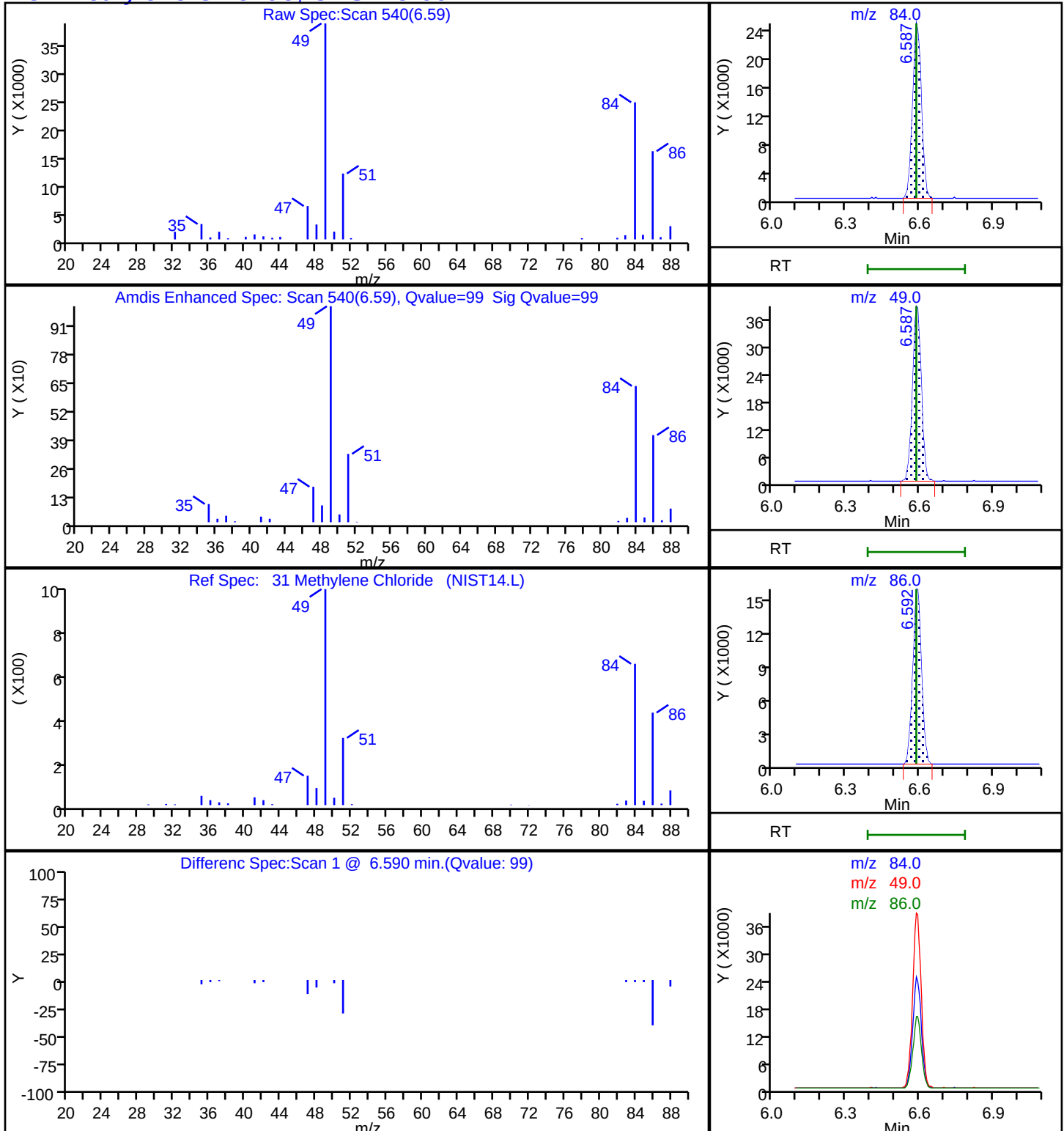
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

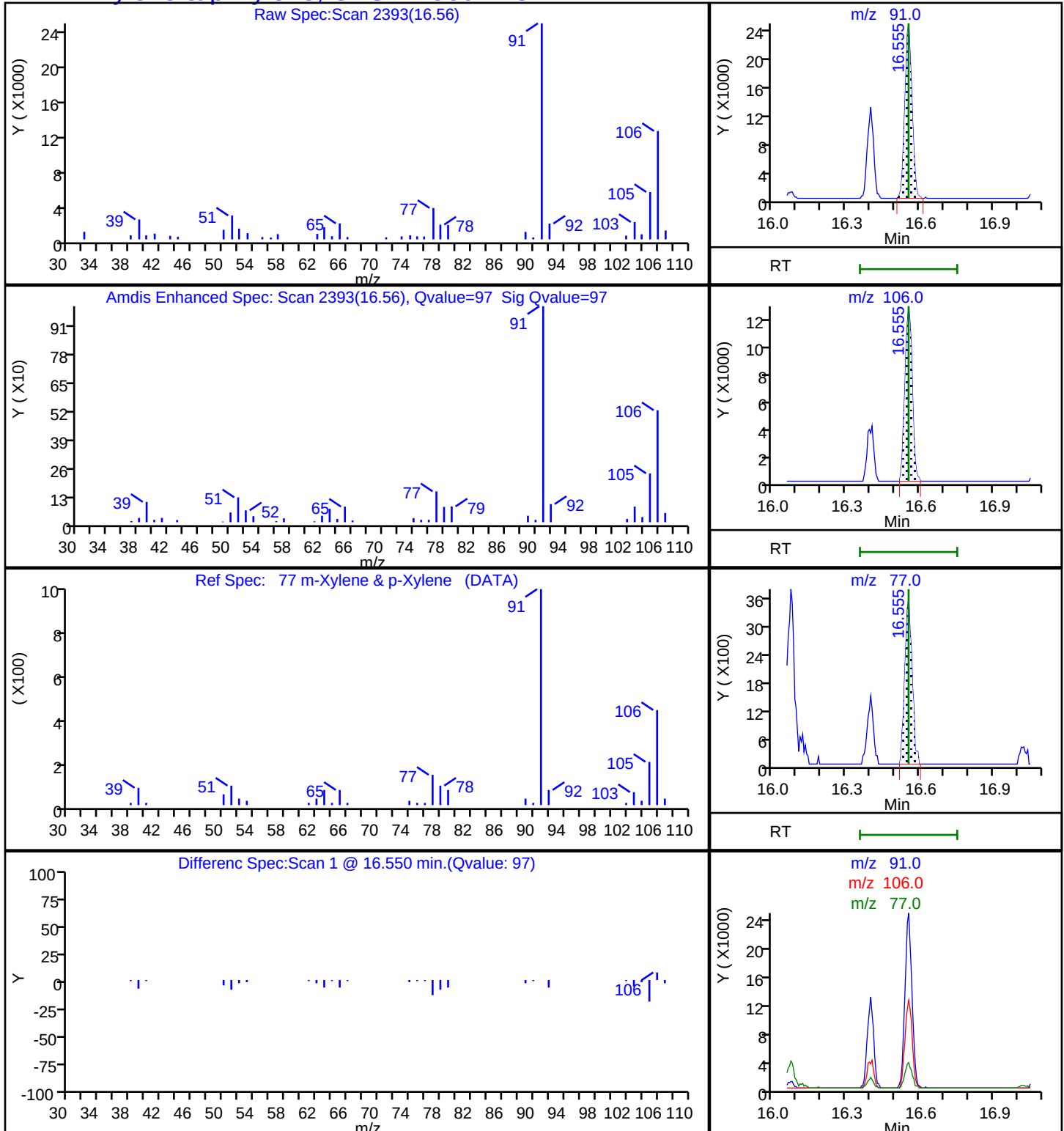
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

77 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

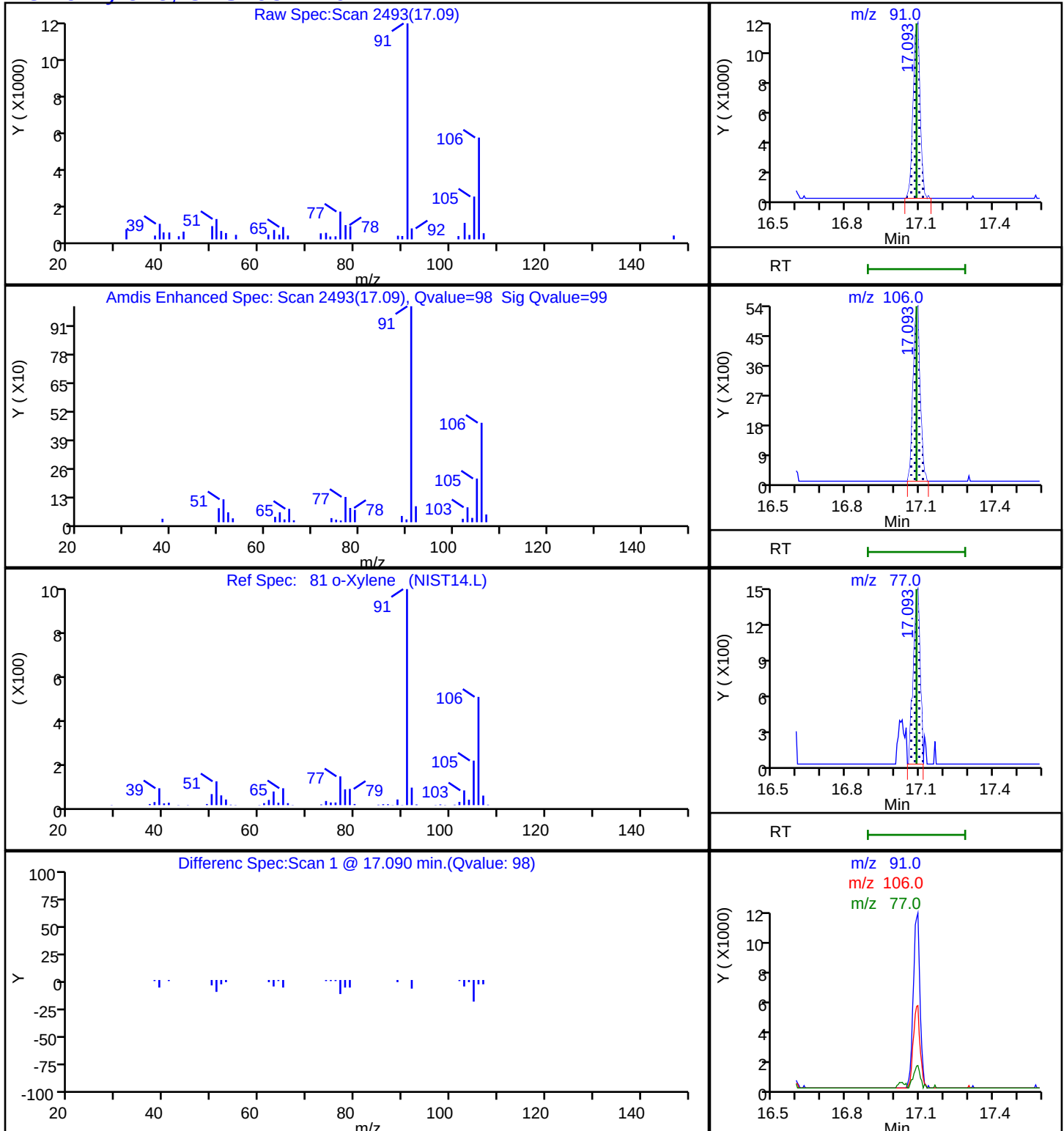
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

81 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

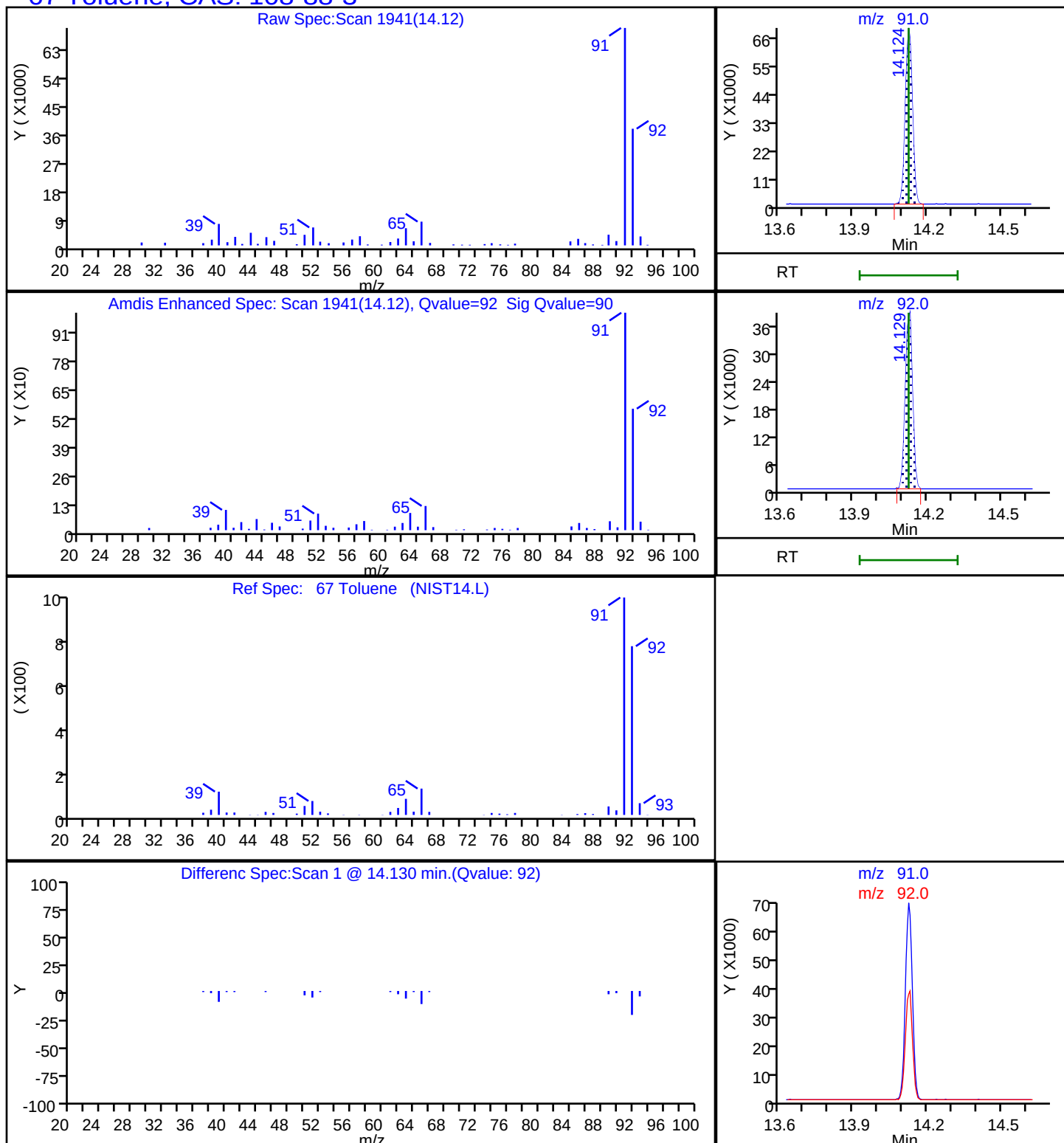
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

67 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 22

Purge Vol: 500.000 mL

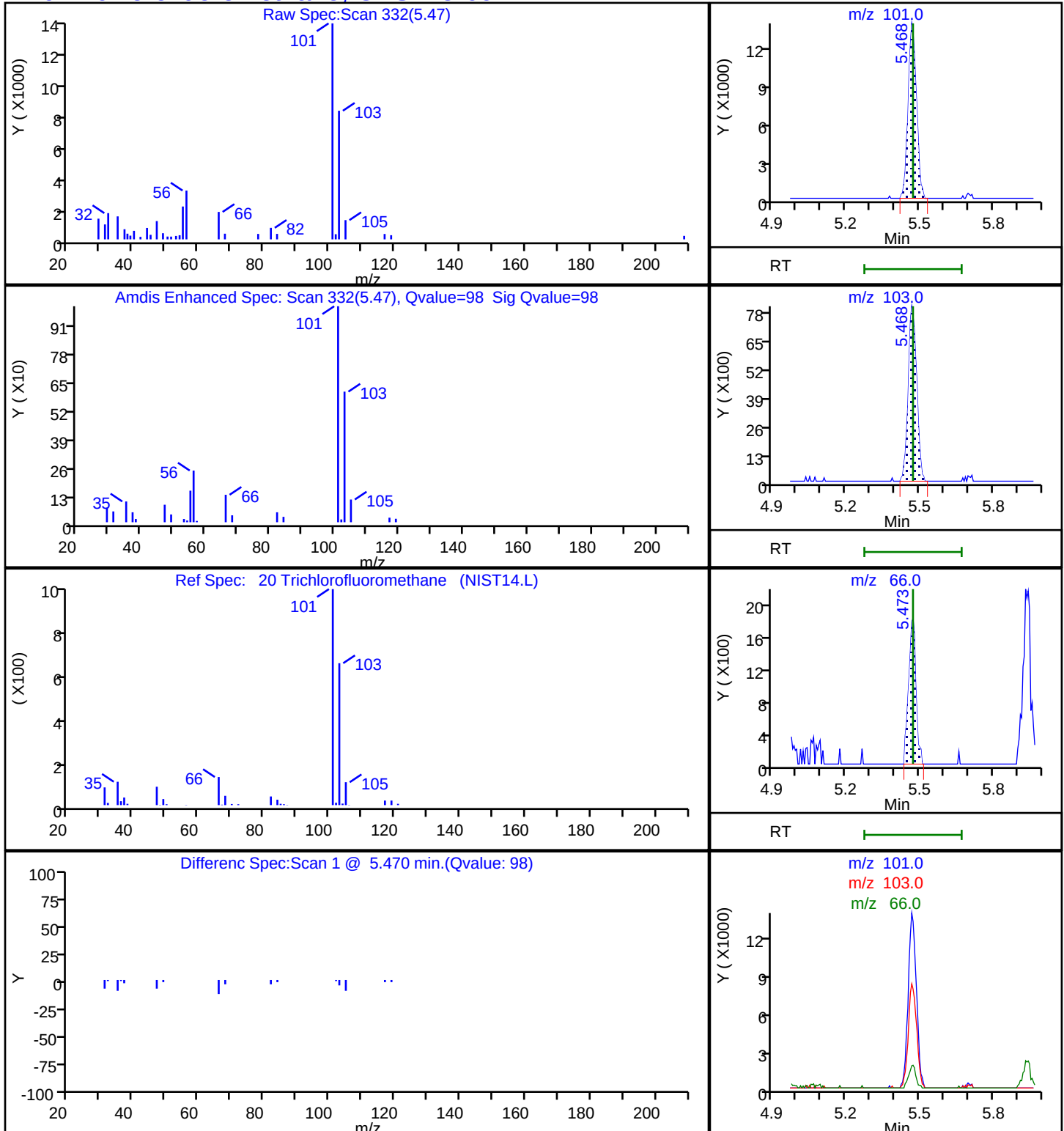
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

20 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P110.D

Injection Date: 10-Jun-2021 22:27:30

Instrument ID: MS

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#:

10

Worklist Smp#: 22

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

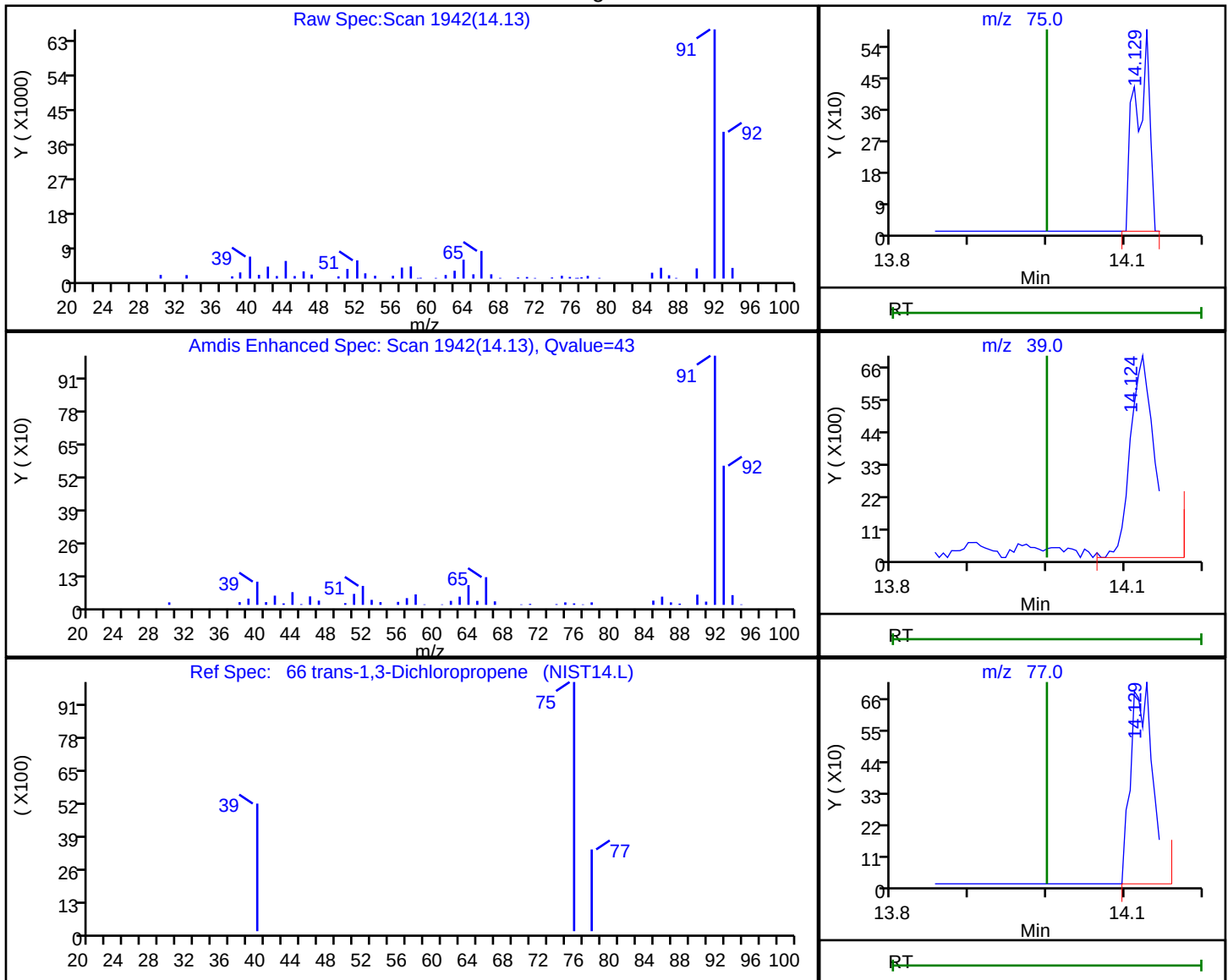
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
14.13	75.00	729	0.009950
14.12	39.00	14497	
14.13	77.00	1399	

Reviewer: khachitpongpanits, 11-Jun-2021 13:24:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK DL Lab Sample ID: 140-23392-1 DL
 Matrix: Air Lab File ID: HF13P101.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:35
 Sample wt/vol: 100 (mL) Date Analyzed: 06/13/2021 11:11
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50713 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	120	D	10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
SDG No.: _____
Client Sample ID: EQUIPMENT BLANK DL Lab Sample ID: 140-23392-1 DL
Matrix: Air Lab File ID: HF13P101.D
Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:35
Sample wt/vol: 100 (mL) Date Analyzed: 06/13/2021 11:11
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 50713 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	220	D	19	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HF13P101.D
 Lims ID: 140-23392-A-1
 Client ID: EQUIPMENT BLANK
 Sample Type: Client
 Inject. Date: 13-Jun-2021 11:11:30 ALS Bottle#: 1 Worklist Smp#: 6
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019547-006
 Misc. Info.: 140-23392-a-1
 Operator ID: HMT Instrument ID: MH
 Method: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 14-Jun-2021 14:27:04 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 14-Jun-2021 14:27:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.353	9.353	0.000	91	103012	4.80	
* 2 1,4-Difluorobenzene	114	11.529	11.529	0.000	96	420177	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.217	16.217	0.000	93	356486	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.860	17.891	-0.031	91	272245	4.42	
8 Dichlorodifluoromethane	85	3.921	3.916	0.005	95	12365	0.1595	
17 Ethanol	31	5.007	5.002	0.005	91	261505	23.8	
20 Trichlorofluoromethane	101	5.544	5.534	0.010	96	6850	0.0871	
30 112TCTFE	101	6.490	6.479	0.010	46	1015	0.0168	
39 2-Butanone (MEK)	72	8.562	8.542	0.020	94	1481	0.1583	
40 Hexane	56	8.562	8.563	0.000	54	748	0.0518	
44 Chloroform	83	9.369	9.358	0.011	1	448	0.007882	
51 Benzene	78	11.002	11.002	0.000	94	3483	0.0604	
52 Carbon tetrachloride	117	11.023	11.023	0.000	75	1937	0.0316	
55 Isooctane	57	11.746	11.731	0.015	84	5148	0.0632	
67 Toluene	91	14.258	14.258	0.000	91	6948	0.0870	
73 Tetrachloroethene	129	15.379	15.390	-0.011	1	533	0.0151	
74 Chlorobenzene	112	16.253	16.269	-0.016	1	532	0.007265	
76 Ethylbenzene	91	16.542	16.548	-0.006	47	1672	0.0154	
77 m-Xylene & p-Xylene	91	16.703	16.703	0.000	92	2682	0.0294	
92 1,2,4-Trimethylbenzene	105	19.023	19.049	-0.026	40	943	0.0550	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 14-Jun-2021 14:27:04

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HF13P101.D

Injection Date: 13-Jun-2021 11:11:30

Instrument ID: MH

Operator ID: HMT

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Worklist Smp#: 6

Client ID: EQUIPMENT BLANK

Purge Vol: 500.000 mL

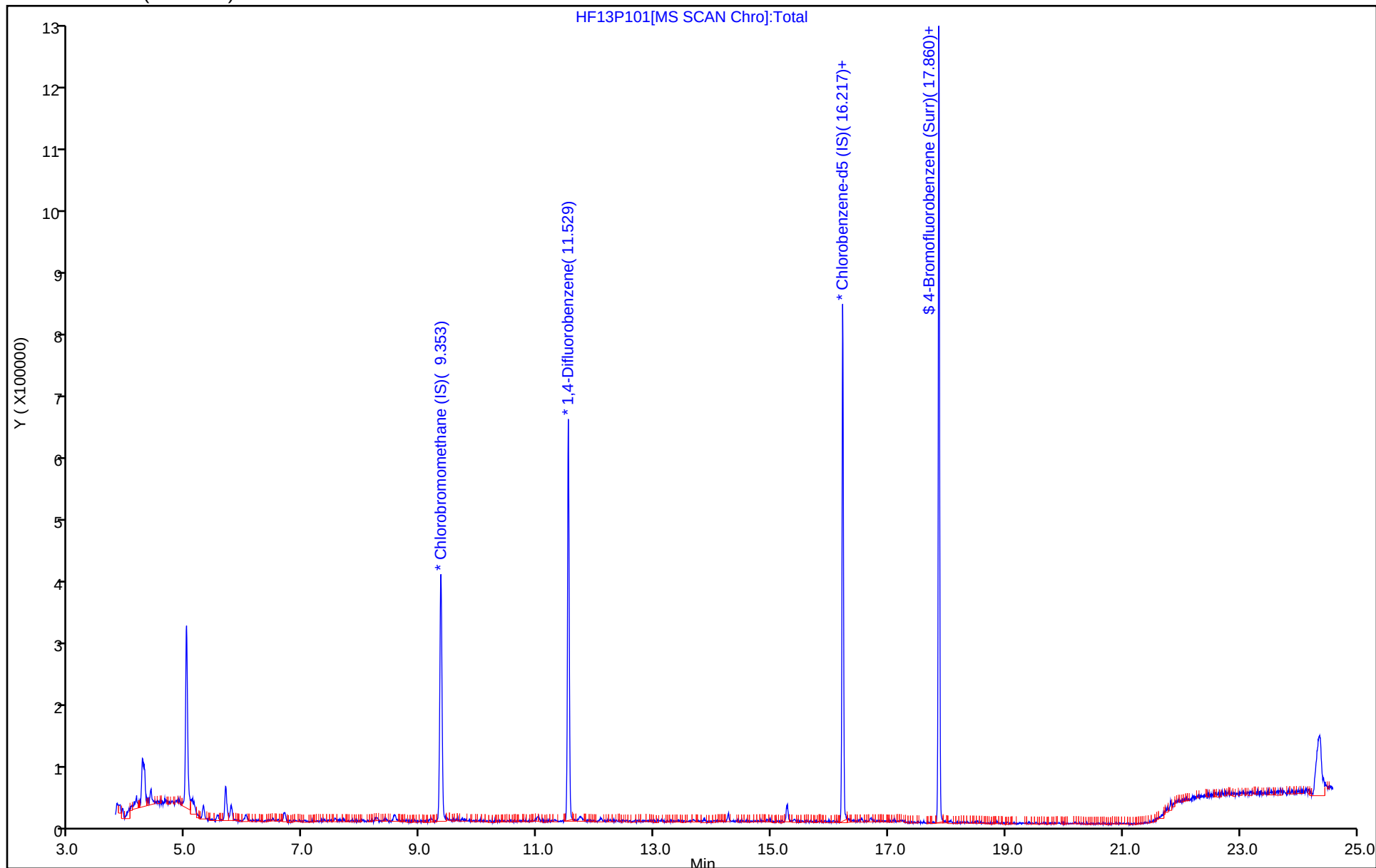
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HF13P101.D
Lims ID: 140-23392-A-1
Client ID: EQUIPMENT BLANK
Sample Type: Client
Inject. Date: 13-Jun-2021 11:11:30 ALS Bottle#: 1 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0019547-006
Misc. Info.: 140-23392-a-1
Operator ID: HMT Instrument ID: MH
Method: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Jun-2021 14:27:04 Calib Date: 22-May-2021 17:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 14-Jun-2021 14:27:04

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.42	95.35

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HF13P101.D

Injection Date: 13-Jun-2021 11:11:30

Instrument ID: MH

Lims ID: 140-23392-A-1

Lab Sample ID: 140-23392-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 1

Worklist Smp#: 6

Purge Vol: 500.000 mL

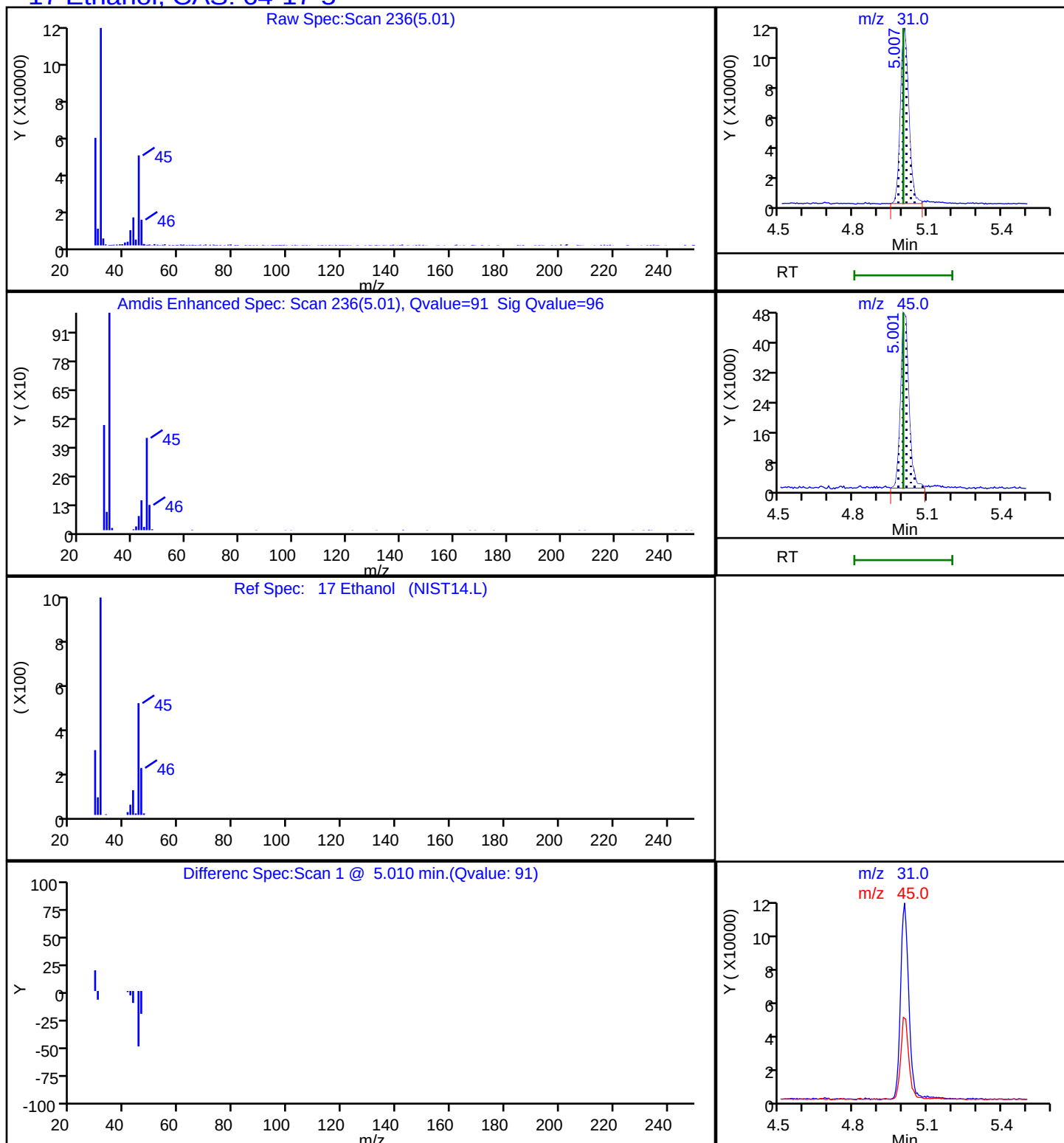
Dil. Factor: 1.0000

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

17 Ethanol, CAS: 64-17-5

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: GAC INFLUENT Lab Sample ID: 140-23392-2
 Matrix: Air Lab File ID: SF10P111.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:40
 Sample wt/vol: 10 (mL) Date Analyzed: 06/10/2021 23:13
 Soil Aliquot Vol: _____ Dilution Factor: 3.05
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		12	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		12	
79-00-5	1,1,2-Trichloroethane	133.41	ND		12	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		12	
75-34-3	1,1-Dichloroethane	98.96	ND		12	
75-35-4	1,1-Dichloroethene	96.94	ND		6.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		12	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		12	
106-93-4	1,2-Dibromoethane	187.87	ND		12	
95-50-1	1,2-Dichlorobenzene	147.00	ND		12	
107-06-2	1,2-Dichloroethane	98.96	ND		12	
78-87-5	1,2-Dichloropropane	112.99	ND		12	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		12	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		12	
106-46-7	1,4-Dichlorobenzene	147.00	ND		12	
123-91-1	1,4-Dioxane	88.11	ND		31	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		31	
78-93-3	2-Butanone	72.11	ND		49	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		31	
71-43-2	Benzene	78.11	ND		12	
100-44-7	Benzyl chloride	126.58	ND		24	
75-27-4	Bromodichloromethane	163.83	ND		12	
75-25-2	Bromoform	252.75	ND		12	
74-83-9	Bromomethane	94.94	ND		12	
56-23-5	Carbon tetrachloride	153.81	ND		4.9	
108-90-7	Chlorobenzene	112.56	ND		12	
75-00-3	Chloroethane	64.52	ND		12	
67-66-3	Chloroform	119.38	ND		12	
74-87-3	Chloromethane	50.49	ND		31	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		6.1	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		12	
110-82-7	Cyclohexane	84.16	ND		31	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: GAC INFLUENT Lab Sample ID: 140-23392-2
 Matrix: Air Lab File ID: SF10P111.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:40
 Sample wt/vol: 10 (mL) Date Analyzed: 06/10/2021 23:13
 Soil Aliquot Vol: _____ Dilution Factor: 3.05
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		12	
75-71-8	Dichlorodifluoromethane	120.91	ND		12	
64-17-5	Ethanol	46.07	ND		310	
100-41-4	Ethylbenzene	106.17	ND		12	
87-68-3	Hexachlorobutadiene	260.76	ND		12	
110-54-3	Hexane	86.17	ND		31	
1634-04-4	Methyl tert-butyl ether	88.15	ND		24	
75-09-2	Methylene Chloride	84.93	ND		61	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		12	
91-20-3	Naphthalene	128.17	ND		31	
95-47-6	o-Xylene	106.17	ND		12	
100-42-5	Styrene	104.15	ND		12	
75-65-0	t-Butyl alcohol	74.12	ND		49	
127-18-4	Tetrachloroethene	165.83	1100		12	
108-88-3	Toluene	92.14	ND		18	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		12	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		12	
79-01-6	Trichloroethene	131.39	ND		5.5	
75-69-4	Trichlorofluoromethane	137.37	ND		12	
75-01-4	Vinyl chloride	62.50	ND		6.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: GAC INFLUENT Lab Sample ID: 140-23392-2
 Matrix: Air Lab File ID: SF10P111.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:40
 Sample wt/vol: 10 (mL) Date Analyzed: 06/10/2021 23:13
 Soil Aliquot Vol: _____ Dilution Factor: 3.05
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		67	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		84	
79-00-5	1,1,2-Trichloroethane	133.41	ND		67	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		93	
75-34-3	1,1-Dichloroethane	98.96	ND		49	
75-35-4	1,1-Dichloroethene	96.94	ND		24	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		91	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		60	
106-93-4	1,2-Dibromoethane	187.87	ND		94	
95-50-1	1,2-Dichlorobenzene	147.00	ND		73	
107-06-2	1,2-Dichloroethane	98.96	ND		49	
78-87-5	1,2-Dichloropropane	112.99	ND		56	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		85	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		60	
541-73-1	1,3-Dichlorobenzene	147.00	ND		73	
106-46-7	1,4-Dichlorobenzene	147.00	ND		73	
123-91-1	1,4-Dioxane	88.11	ND		110	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		140	
78-93-3	2-Butanone	72.11	ND		140	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		120	
71-43-2	Benzene	78.11	ND		39	
100-44-7	Benzyl chloride	126.58	ND		130	
75-27-4	Bromodichloromethane	163.83	ND		82	
75-25-2	Bromoform	252.75	ND		130	
74-83-9	Bromomethane	94.94	ND		47	
56-23-5	Carbon tetrachloride	153.81	ND		31	
108-90-7	Chlorobenzene	112.56	ND		56	
75-00-3	Chloroethane	64.52	ND		32	
67-66-3	Chloroform	119.38	ND		60	
74-87-3	Chloromethane	50.49	ND		63	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		24	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		55	
110-82-7	Cyclohexane	84.16	ND		100	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: GAC INFLUENT Lab Sample ID: 140-23392-2
 Matrix: Air Lab File ID: SF10P111.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:40
 Sample wt/vol: 10 (mL) Date Analyzed: 06/10/2021 23:13
 Soil Aliquot Vol: _____ Dilution Factor: 3.05
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		100	
75-71-8	Dichlorodifluoromethane	120.91	ND		60	
64-17-5	Ethanol	46.07	ND		570	
100-41-4	Ethylbenzene	106.17	ND		53	
87-68-3	Hexachlorobutadiene	260.76	ND		130	
110-54-3	Hexane	86.17	ND		110	
1634-04-4	Methyl tert-butyl ether	88.15	ND		88	
75-09-2	Methylene Chloride	84.93	ND		210	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		53	
91-20-3	Naphthalene	128.17	ND		160	
95-47-6	o-Xylene	106.17	ND		53	
100-42-5	Styrene	104.15	ND		52	
75-65-0	t-Butyl alcohol	74.12	ND		150	
127-18-4	Tetrachloroethene	165.83	7300		83	
108-88-3	Toluene	92.14	ND		69	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		48	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		55	
79-01-6	Trichloroethene	131.39	ND		30	
75-69-4	Trichlorofluoromethane	137.37	ND		69	
75-01-4	Vinyl chloride	62.50	ND		16	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P111.D
 Lims ID: 140-23392-A-2
 Client ID: GAC INFLUENT
 Sample Type: Client
 Inject. Date: 10-Jun-2021 23:13:30 ALS Bottle#: 11 Worklist Smp#: 23
 Purge Vol: 500.000 mL Dil. Factor: 3.0500
 Sample Info: 140-0019526-023
 Misc. Info.: 140-23392-a-2@3.05
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 11-Jun-2021 13:24:47 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 13:25:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.228	-0.005	99	169956	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.401	0.000	95	849407	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	87	713702	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.717	-0.005	96	485686	4.41	
40 Hexane	56	8.464	8.459	0.000	87	2122	0.0508	
44 Chloroform	83	9.233	9.239	-0.006	30	1205	0.0110	
51 Benzene	78	10.869	10.874	-0.005	68	1329	0.008247	
55 Isooctane	57	11.611	11.616	-0.005	97	11464	0.0410	
73 Tetrachloroethene	129	15.253	15.253	0.000	98	521253	7.07	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 11-Jun-2021 13:25:37

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P111.D

Injection Date: 10-Jun-2021 23:13:30

Instrument ID: MS

Operator ID: HMT

Lims ID: 140-23392-A-2

Lab Sample ID: 140-23392-2

Worklist Smp#: 23

Client ID: GAC INFLUENT

Purge Vol: 500.000 mL

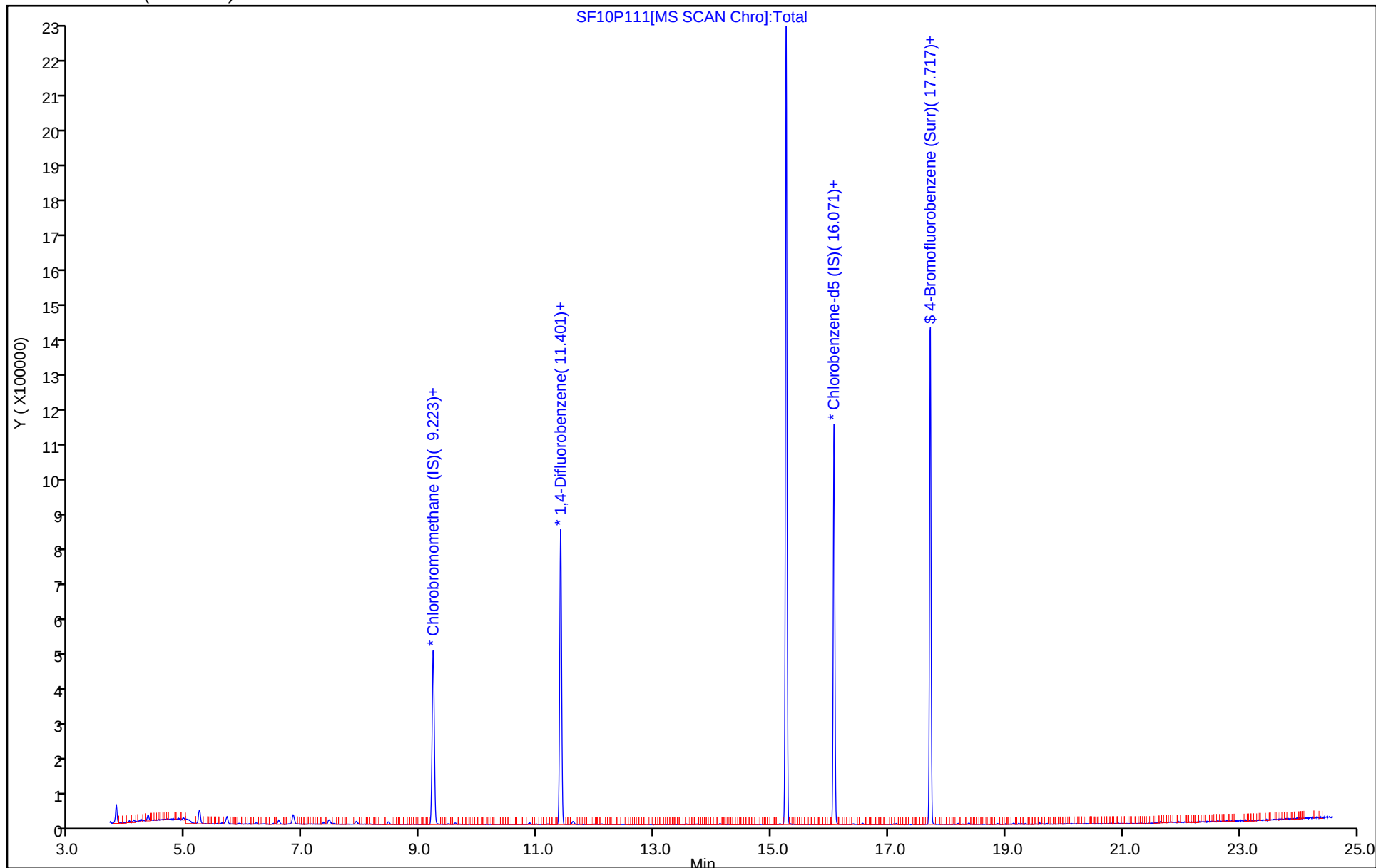
Dil. Factor: 3.0500

ALS Bottle#: 11

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P111.D
Lims ID: 140-23392-A-2
Client ID: GAC INFLUENT
Sample Type: Client
Inject. Date: 10-Jun-2021 23:13:30 ALS Bottle#: 11 Worklist Smp#: 23
Purge Vol: 500.000 mL Dil. Factor: 3.0500
Sample Info: 140-0019526-023
Misc. Info.: 140-23392-a-2@3.05
Operator ID: HMT Instrument ID: MS
Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jun-2021 13:24:47 Calib Date: 09-Jun-2021 23:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 13:25:37

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.41	95.02

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P111.D

Injection Date: 10-Jun-2021 23:13:30

Instrument ID: MS

Lims ID: 140-23392-A-2

Lab Sample ID: 140-23392-2

Client ID: GAC INFLUENT

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 23

Purge Vol: 500.000 mL

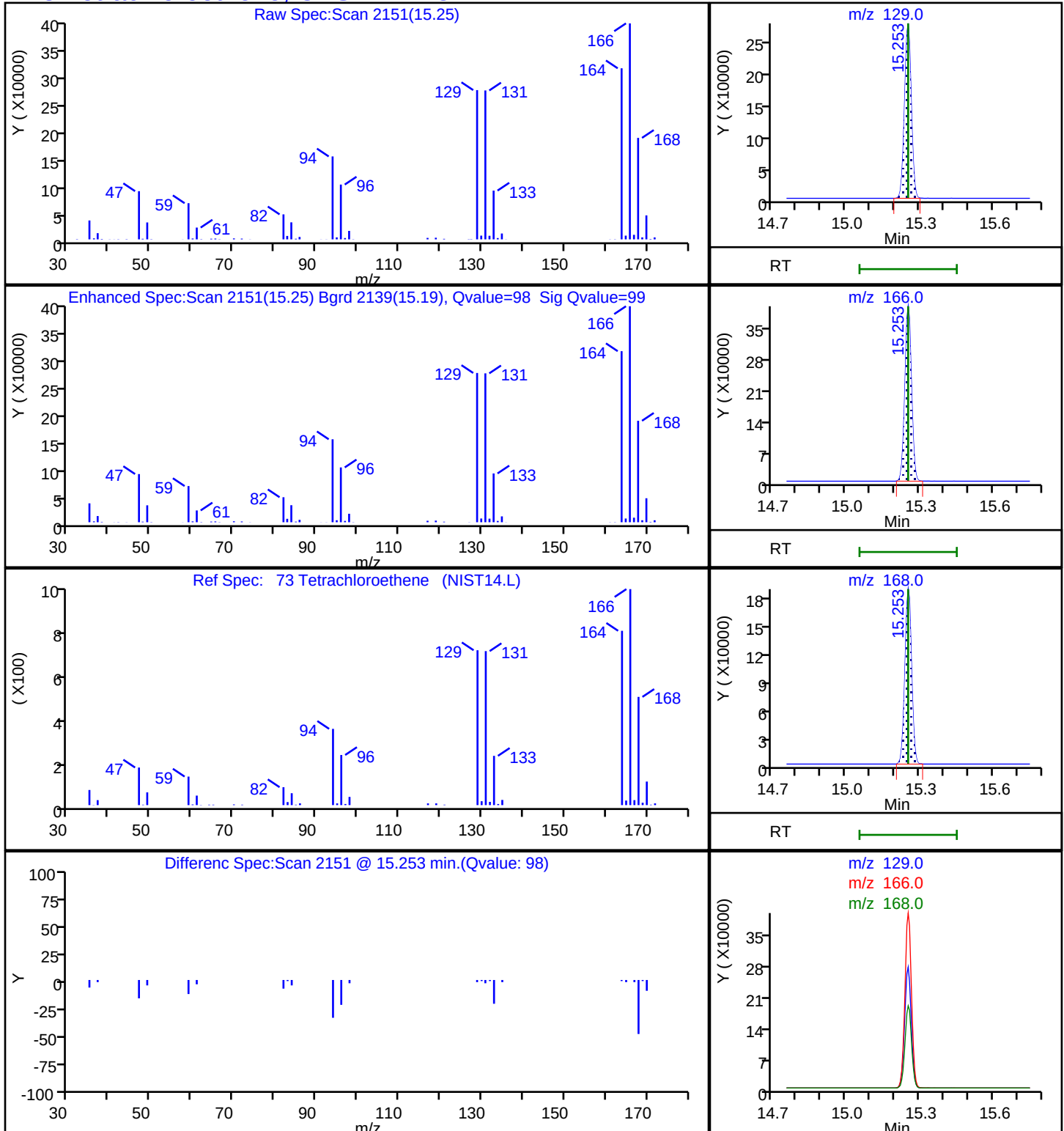
Dil. Factor: 3.0500

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

73 Tetrachloroethene, CAS: 127-18-4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: GAC EFFLUENT Lab Sample ID: 140-23392-3
 Matrix: Air Lab File ID: SF10P112.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:42
 Sample wt/vol: 200 (mL) Date Analyzed: 06/10/2021 23:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.20	
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	
75-35-4	1,1-Dichloroethene	96.94	ND		0.10	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.20	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	
123-91-1	1,4-Dioxane	88.11	ND		0.50	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.50	
78-93-3	2-Butanone	72.11	ND		0.80	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.50	
71-43-2	Benzene	78.11	ND		0.20	
100-44-7	Benzyl chloride	126.58	ND		0.40	
75-27-4	Bromodichloromethane	163.83	ND		0.20	
75-25-2	Bromoform	252.75	ND		0.20	
74-83-9	Bromomethane	94.94	ND		0.20	
56-23-5	Carbon tetrachloride	153.81	ND		0.080	
108-90-7	Chlorobenzene	112.56	ND		0.20	
75-00-3	Chloroethane	64.52	ND		0.20	
67-66-3	Chloroform	119.38	ND		0.20	
74-87-3	Chloromethane	50.49	0.57		0.50	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.10	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	
110-82-7	Cyclohexane	84.16	ND		0.50	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: GAC EFFLUENT Lab Sample ID: 140-23392-3
 Matrix: Air Lab File ID: SF10P112.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:42
 Sample wt/vol: 200 (mL) Date Analyzed: 06/10/2021 23:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.20	
75-71-8	Dichlorodifluoromethane	120.91	1.7		0.20	
64-17-5	Ethanol	46.07	12		5.0	
100-41-4	Ethylbenzene	106.17	ND		0.20	
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	
110-54-3	Hexane	86.17	ND		0.50	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.40	
75-09-2	Methylene Chloride	84.93	1.5		1.0	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.20	
91-20-3	Naphthalene	128.17	ND		0.50	
95-47-6	o-Xylene	106.17	ND		0.20	
100-42-5	Styrene	104.15	ND		0.20	
75-65-0	t-Butyl alcohol	74.12	ND		0.80	
127-18-4	Tetrachloroethene	165.83	0.75		0.20	
108-88-3	Toluene	92.14	ND		0.30	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	
79-01-6	Trichloroethene	131.39	ND		0.090	
75-69-4	Trichlorofluoromethane	137.37	0.63		0.20	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: GAC EFFLUENT Lab Sample ID: 140-23392-3
 Matrix: Air Lab File ID: SF10P112.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:42
 Sample wt/vol: 200 (mL) Date Analyzed: 06/10/2021 23:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		1.5	
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	
75-35-4	1,1-Dichloroethene	96.94	ND		0.40	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1.5	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	
123-91-1	1,4-Dioxane	88.11	ND		1.8	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		2.3	
78-93-3	2-Butanone	72.11	ND		2.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		2.0	
71-43-2	Benzene	78.11	ND		0.64	
100-44-7	Benzyl chloride	126.58	ND		2.1	
75-27-4	Bromodichloromethane	163.83	ND		1.3	
75-25-2	Bromoform	252.75	ND		2.1	
74-83-9	Bromomethane	94.94	ND		0.78	
56-23-5	Carbon tetrachloride	153.81	ND		0.50	
108-90-7	Chlorobenzene	112.56	ND		0.92	
75-00-3	Chloroethane	64.52	ND		0.53	
67-66-3	Chloroform	119.38	ND		0.98	
74-87-3	Chloromethane	50.49	1.2		1.0	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.40	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	
110-82-7	Cyclohexane	84.16	ND		1.7	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: GAC EFFLUENT Lab Sample ID: 140-23392-3
 Matrix: Air Lab File ID: SF10P112.D
 Analysis Method: TO 15 LL Date Collected: 06/07/2021 09:42
 Sample wt/vol: 200 (mL) Date Analyzed: 06/10/2021 23:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		1.7	
75-71-8	Dichlorodifluoromethane	120.91	8.2		0.99	
64-17-5	Ethanol	46.07	23		9.4	
100-41-4	Ethylbenzene	106.17	ND		0.87	
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	
110-54-3	Hexane	86.17	ND		1.8	
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.4	
75-09-2	Methylene Chloride	84.93	5.1		3.5	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.87	
91-20-3	Naphthalene	128.17	ND		2.6	
95-47-6	o-Xylene	106.17	ND		0.87	
100-42-5	Styrene	104.15	ND		0.85	
75-65-0	t-Butyl alcohol	74.12	ND		2.4	
127-18-4	Tetrachloroethene	165.83	5.1		1.4	
108-88-3	Toluene	92.14	ND		1.1	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	
79-01-6	Trichloroethene	131.39	ND		0.48	
75-69-4	Trichlorofluoromethane	137.37	3.6		1.1	
75-01-4	Vinyl chloride	62.50	ND		0.26	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D
 Lims ID: 140-23392-A-3
 Client ID: GAC EFFLUENT
 Sample Type: Client
 Inject. Date: 10-Jun-2021 23:59:30 ALS Bottle#: 12 Worklist Smp#: 24
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019526-024
 Misc. Info.: 140-23392-a-3
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 11-Jun-2021 13:27:27 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 13:32:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.228	-0.005	99	165955	4.80	
* 2 1,4-Difluorobenzene	114	11.396	11.401	-0.005	95	828578	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	87	711831	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.717	-0.005	97	505610	4.60	
8 Dichlorodifluoromethane	85	3.870	3.881	-0.010	100	86934	0.6620	
9 Chloromethane	52	4.064	4.064	-0.016	100	4441	0.2283	M
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.083	-0.005	65	3412	0.0280	
17 Ethanol	31	4.935	4.940	-0.005	90	72984	4.91	
20 Trichlorofluoromethane	101	5.462	5.473	-0.011	98	32989	0.2534	
31 Methylene Chloride	84	6.581	6.587	-0.005	97	27612	0.5878	
39 2-Butanone (MEK)	72	8.426	8.421	0.005	96	3731	0.1571	
40 Hexane	56	8.464	8.459	0.000	50	1481	0.0363	
51 Benzene	78	10.874	10.874	0.000	88	2096	0.0133	
73 Tetrachloroethene	129	15.253	15.253	0.000	96	21946	0.2983	
75 Chlorobenzene	112	16.125	16.119	0.006	89	1232	0.007879	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 11-Jun-2021 13:32:18

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D

Injection Date: 10-Jun-2021 23:59:30

Instrument ID: MS

Operator ID: HMT

Lims ID: 140-23392-A-3

Lab Sample ID: 140-23392-3

Worklist Smp#: 24

Client ID: GAC EFFLUENT

Purge Vol: 500.000 mL

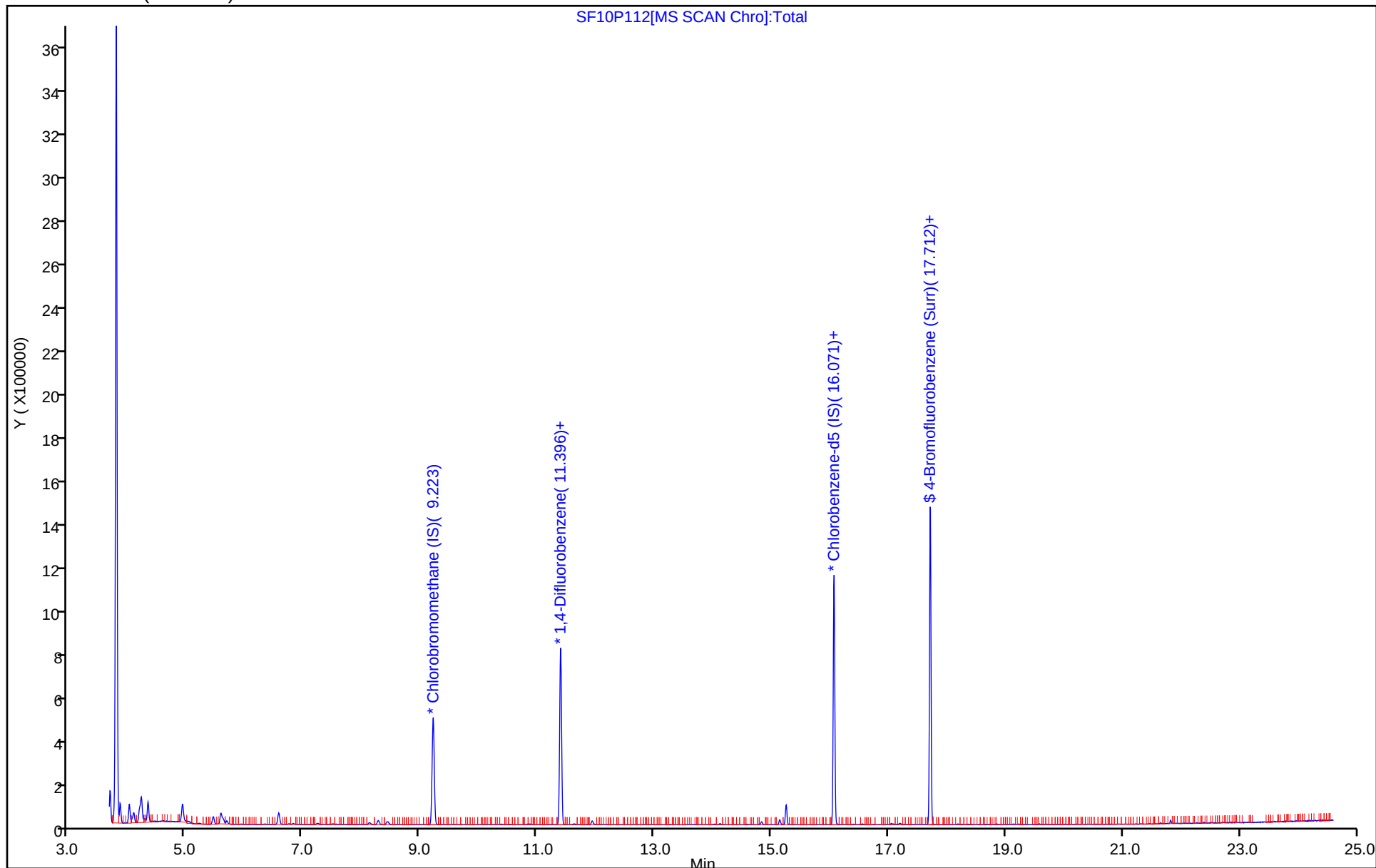
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D
Lims ID: 140-23392-A-3
Client ID: GAC EFFLUENT
Sample Type: Client
Inject. Date: 10-Jun-2021 23:59:30 ALS Bottle#: 12 Worklist Smp#: 24
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0019526-024
Misc. Info.: 140-23392-a-3
Operator ID: HMT Instrument ID: MS
Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jun-2021 13:27:27 Calib Date: 09-Jun-2021 23:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 13:32:17

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.60	99.18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D

Injection Date: 10-Jun-2021 23:59:30

Instrument ID: MS

Lims ID: 140-23392-A-3

Lab Sample ID: 140-23392-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 500.000 mL

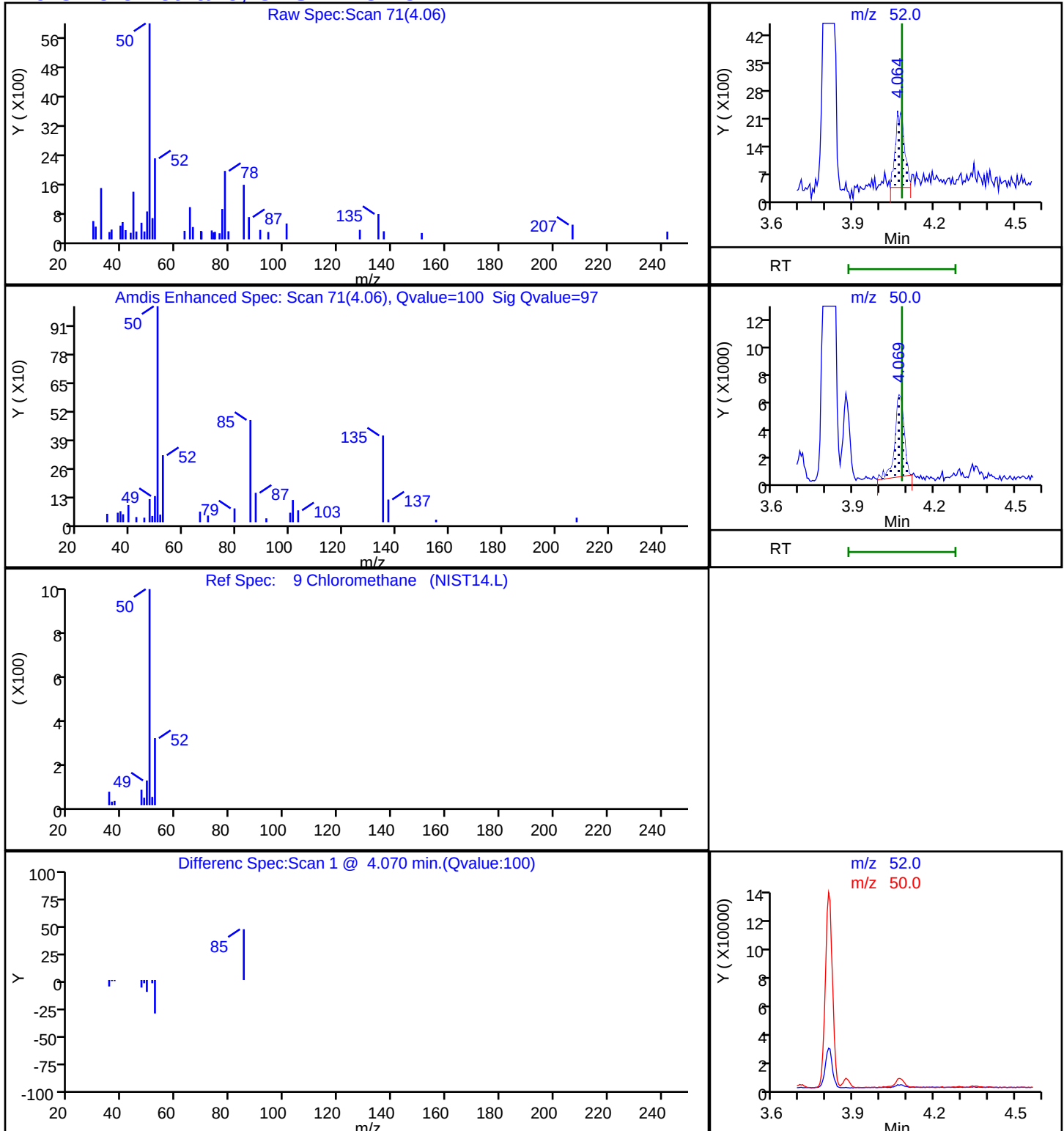
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

9 Chloromethane, CAS: 74-87-3

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D

Injection Date: 10-Jun-2021 23:59:30

Instrument ID: MS

Lims ID: 140-23392-A-3

Lab Sample ID: 140-23392-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 500.000 mL

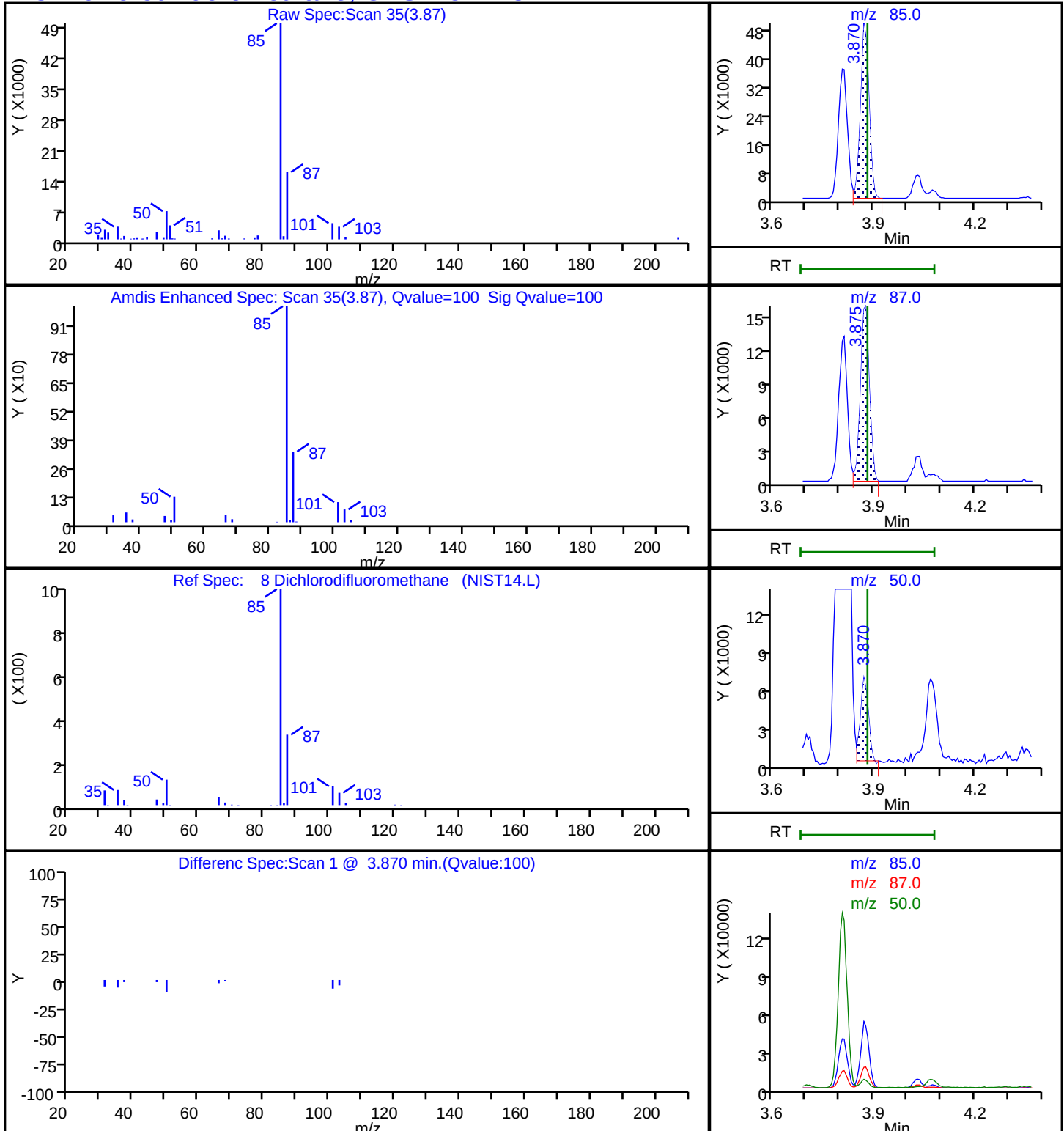
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

8 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D

Injection Date: 10-Jun-2021 23:59:30

Instrument ID: MS

Lims ID: 140-23392-A-3

Lab Sample ID: 140-23392-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 500.000 mL

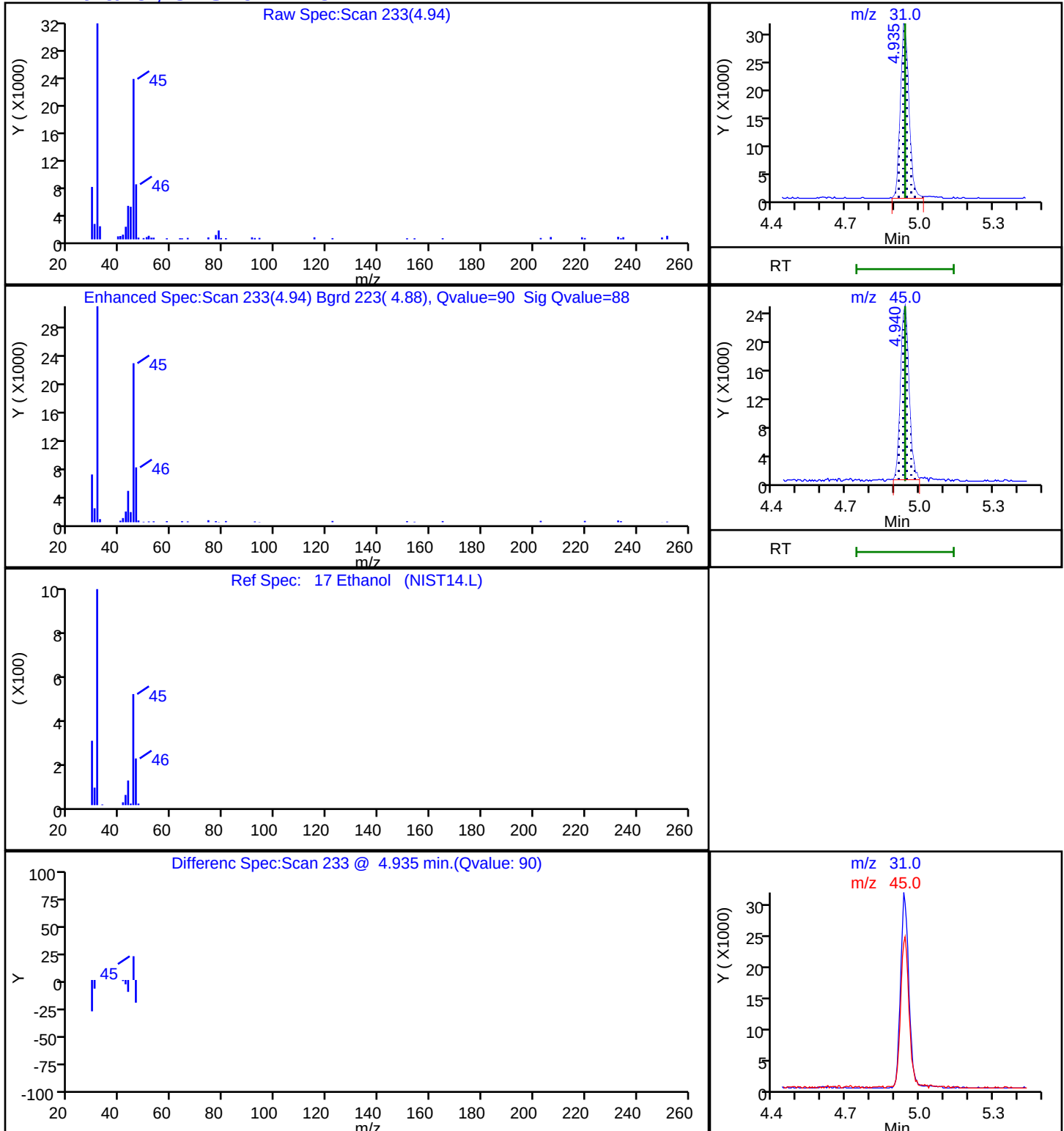
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

17 Ethanol, CAS: 64-17-5

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D

Injection Date: 10-Jun-2021 23:59:30

Instrument ID: MS

Lims ID: 140-23392-A-3

Lab Sample ID: 140-23392-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 500.000 mL

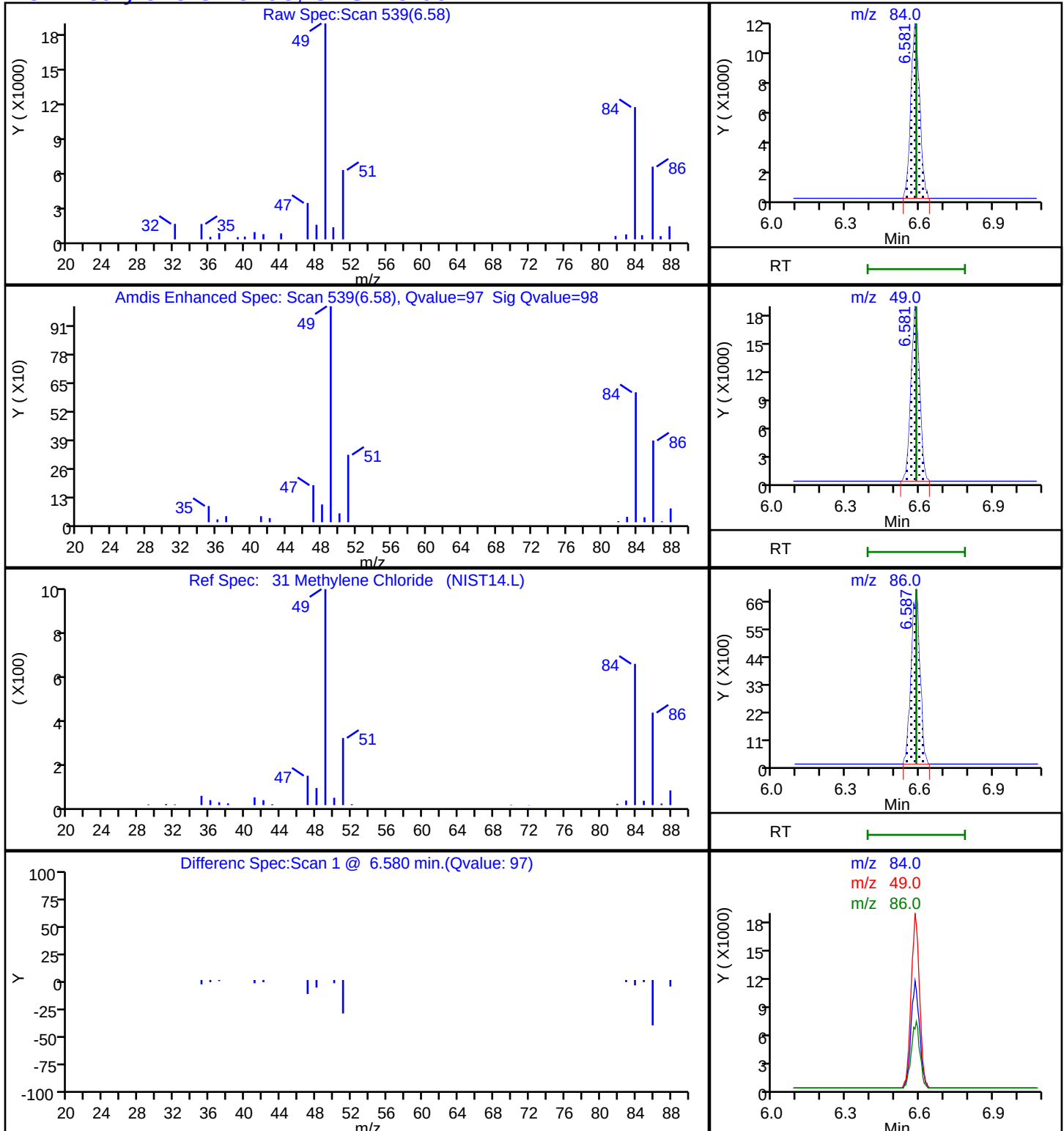
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D

Injection Date: 10-Jun-2021 23:59:30

Instrument ID: MS

Lims ID: 140-23392-A-3

Lab Sample ID: 140-23392-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 500.000 mL

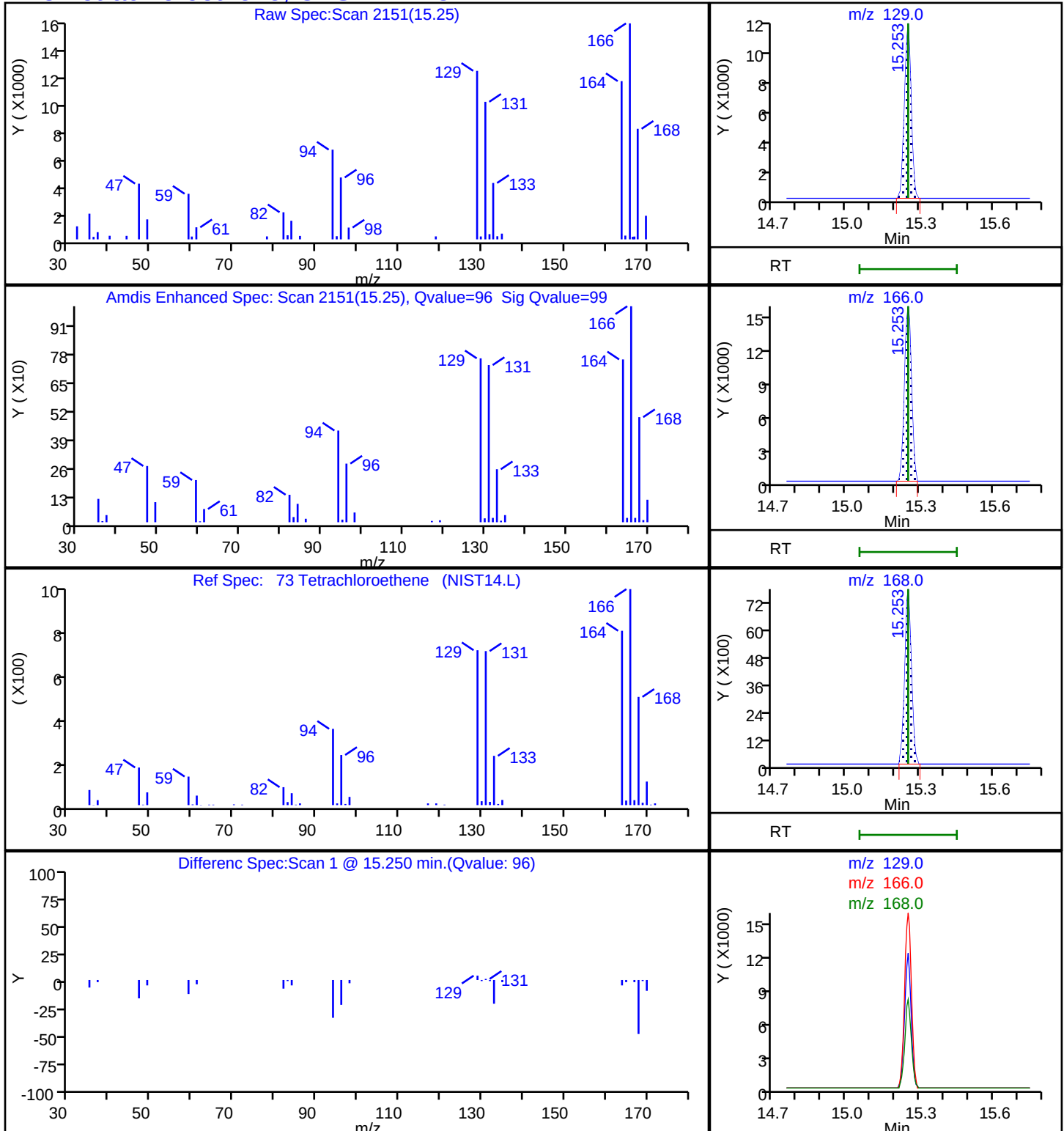
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

73 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D

Injection Date: 10-Jun-2021 23:59:30

Instrument ID: MS

Lims ID: 140-23392-A-3

Lab Sample ID: 140-23392-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 500.000 mL

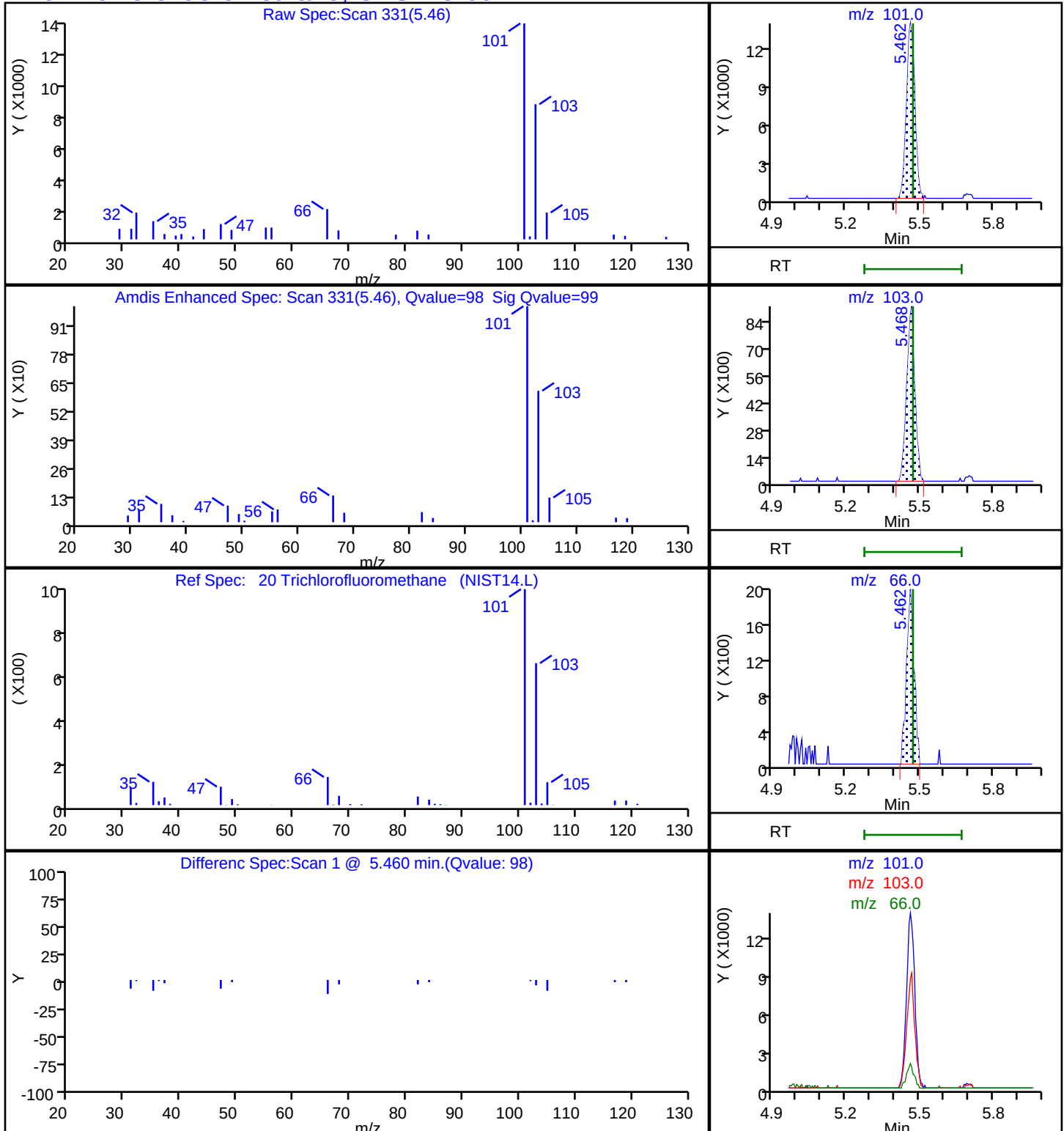
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

20 Trichlorofluoromethane, CAS: 75-69-4

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D

Injection Date: 10-Jun-2021 23:59:30

Instrument ID: MS

Lims ID: 140-23392-A-3

Lab Sample ID: 140-23392-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#:

12

Worklist Smp#: 24

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

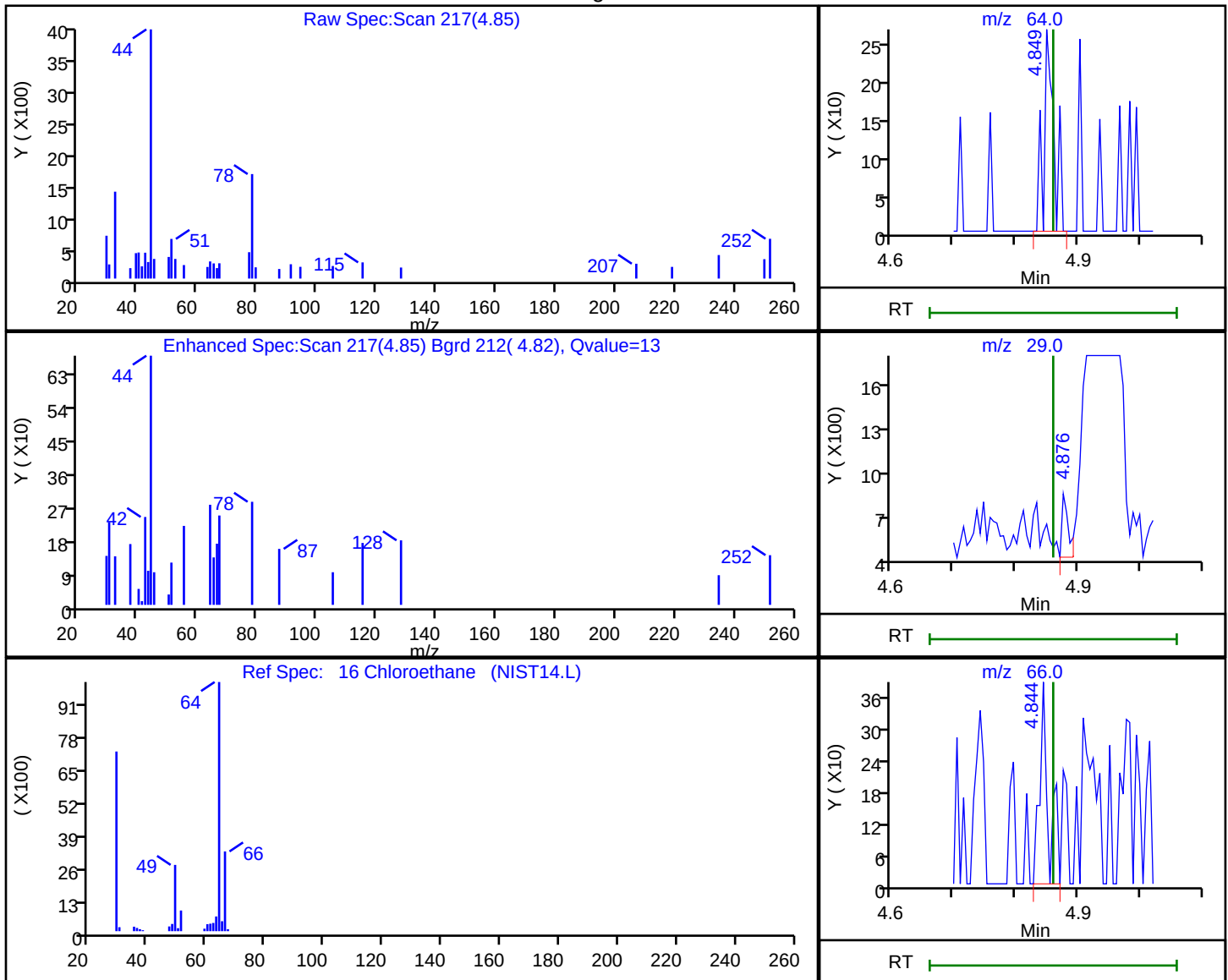
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
4.85	64.00	313	0.014968
4.88	29.00	286	
4.84	66.00	393	

Reviewer: khachitpongpanits, 11-Jun-2021 13:26:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

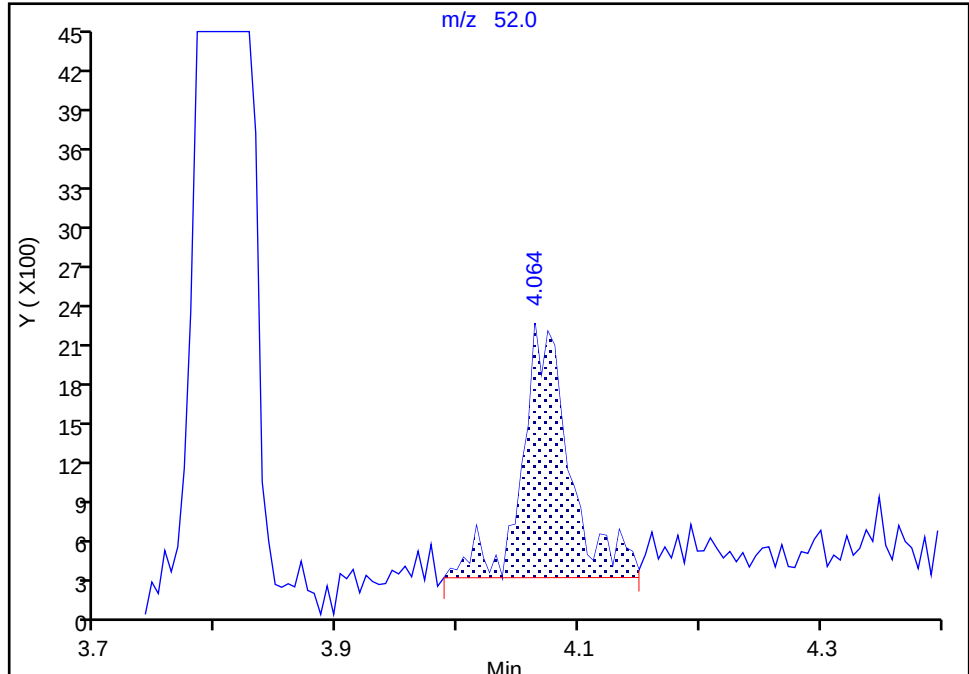
Data File:	\\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10P112.D		
Injection Date:	10-Jun-2021 23:59:30	Instrument ID:	MS
Lims ID:	140-23392-A-3	Lab Sample ID:	140-23392-3
Client ID:	GAC EFFLUENT		
Operator ID:	HMT	ALS Bottle#:	12
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	24

9 Chloromethane, CAS: 74-87-3

Signal: 1

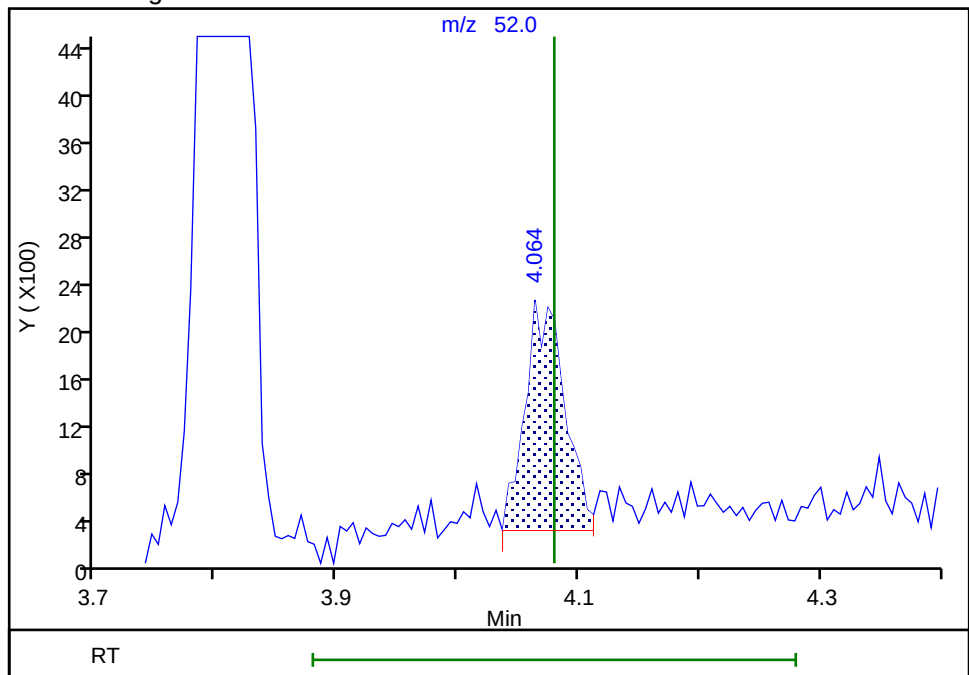
RT: 4.06
Area: 5305
Amount: 0.272662
Amount Units: ppb v/v

Processing Integration Results



RT: 4.06
Area: 4441
Amount: 0.228255
Amount Units: ppb v/v

Manual Integration Results



Reviewer: khachitpongpanits, 11-Jun-2021 13:26:37

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-50074/9	HE22C01.D
Level 2	IC 140-50074/10	HE22C02.D
Level 3	IC 140-50074/11	HE22C03.D
Level 4	IC 140-50074/12	HE22IC04.D
Level 5	IC 140-50074/13	HE22IC05.D
Level 6	IC 140-50074/14	HE22IC06.D
Level 7	ICIS 140-50074/15	HE22IC07.D
Level 8	IC 140-50074/7	HE22C08.D
Level 9	IC 140-50074/5	HE22C09.D
Level 10	IC 140-50074/3	HE22IC10B.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorodifluoromethane	+++++ 2.0534	1.8824 2.0639	2.0628 1.9181	2.0489 1.9024	2.0736 1.7305	Ave		1.970 7				6.0		30.0			
Propene	+++++ 0.8695	+++++ 0.9327	+++++ 0.8837	+++++ 0.8521	0.8896 0.7377	Ave		0.860 9				7.7		30.0			
Dichlorodifluoromethane	+++++ 3.6382	3.8782 3.6011	3.8448 3.3828	3.8314 3.3256	3.7841 3.2271	Ave		3.612 6				6.8		30.0			
Chloromethane	+++++ 0.3121	+++++ 0.3219	+++++ 0.3054	0.3242 0.3059	0.3458 0.2468	Ave		0.308 9				9.9		30.0			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++ 2.5835	2.8837 2.6643	2.4715 2.6257	2.6272 2.5672	2.6808 2.2094	Ave		2.590 4				7.0		30.0			
Vinyl chloride	+++++ 1.0405	1.0171 1.1380	0.9952 1.1034	1.1738 1.0980	1.1035 0.9025	Ave		1.063 6				7.8		30.0			
Butane	+++++ 1.4765	1.8444 1.6432	1.7197 1.5861	1.5882 1.6084	1.5339 1.3471	Ave		1.594 2				8.9		30.0			
1,3-Butadiene	+++++ 0.7450	+++++ 0.7618	+++++ 0.7764	0.7901 0.7907	0.7747 0.6614	Ave		0.757 1				6.0		30.0			
Bromomethane	+++++ 1.1271	1.6414 1.1576	1.2946 1.1677	1.3711 1.1779	1.0936 0.9967	Ave		1.225 3				15.5		30.0			
Chloroethane	+++++ 0.4178	+++++ 0.4131	0.4667 0.4230	0.4904 0.4195	0.4329 0.3406	Ave		0.425 5				10.3		30.0			
Ethanol	+++++ 0.5203	+++++ 0.5703	0.5929 0.5784	0.5808 0.5786	0.5076 0.4891	LinF		0.511 1							0.9910		0.9900
Vinyl bromide	+++++ 1.2439	+++++ 1.2416	1.2858 1.2135	1.2511 1.2036	1.2343 1.1048	Ave		1.222 3				4.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
2-Methylbutane	++++ 1.1800	1.1376 1.2113	1.0827 1.2044	1.1107 1.1776	1.1208 1.0208	Ave		1.138 4				5.5		30.0			
Trichlorofluoromethane	++++ 3.6800	3.7857 3.6393	3.7969 3.5204	3.8110 3.4806	3.8694 3.3962	Ave		3.664 4				4.6		30.0			
Acrolein	++++ 0.3104	++++ 0.3332	++++ 0.3291	++++ 0.3281	0.3200 0.3089	Ave		0.321 6				3.2		30.0			
Acetonitrile	++++ 0.4549	++++ 0.4650	++++ 0.4430	++++ 0.4454	0.2994 0.3946	Ave		0.417 1				15.0		30.0			
Acetone	++++ 0.4763	++++ 0.4667	++++ 0.4449	++++ 0.4372	0.5425 0.4062	Ave		0.462 3				10.0		30.0			
Isopropyl alcohol	++++ 1.2719	++++ 1.4323	++++ 1.3829	1.1331 1.3516	1.1857 1.2692	Ave		1.289 5				8.3		30.0			
Pentane	++++ 0.1174	++++ 0.1140	++++ 0.1134	++++ 0.1042	0.1149 0.1004	Ave		0.110 7				6.1		30.0			
Ethyl ether	++++ 0.9816	++++ 1.1241	++++ 1.1273	++++ 1.1267	1.0120 1.0204	Ave		1.065 4				6.4		30.0			
1,1-Dichloroethene	++++ 1.0409	1.3329 1.0897	1.0190 1.0678	1.0209 1.0716	1.0355 1.0216	Ave		1.077 8				9.2		30.0			
tert-Butyl alcohol	++++ 1.2768	++++ 1.4345	++++ 1.4580	1.1655 1.4448	1.1734 1.3639	Ave		1.331 0				9.5		30.0			
Acrylonitrile	++++ 0.6417	++++ 0.6910	++++ 0.7112	++++ 0.6906	0.6528 0.6799	Ave		0.677 9				3.8		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 2.8173	++++ 2.7953	3.0259 2.7215	2.9597 2.6539	2.9844 2.6018	Ave		2.820 0				5.6		30.0			
Methylene Chloride	++++ 1.0400	1.6047 1.0186	1.3402 0.9932	1.1355 0.9764	1.0913 0.9329	Ave		1.125 9				19.2		30.0			
3-Chloropropene	++++ 0.8558	++++ 0.8947	0.6958 0.9016	0.8441 0.9131	0.8345 0.9241	Ave		0.858 0				8.6		30.0			
Carbon disulfide	++++ 2.9408	++++ 3.0505	2.8596 3.0080	2.9147 3.0268	2.8803 2.9260	Ave		2.950 9				2.4		30.0			
trans-1,2-Dichloroethene	++++ 0.9923	1.1023 1.0680	1.0071 1.0410	0.9313 1.0338	0.9551 1.0195	Ave		1.016 7				5.2		30.0			
2-Methylpentane	++++ 1.9021	++++ 2.1546	1.3495 2.1953	1.5591 2.1875	1.7133 2.1255	Ave		1.898 4				17.1		30.0			
Methyl tert-butyl ether	++++ 1.9911	++++ 2.1634	++++ 2.2112	1.5333 2.2190	1.7875 2.1973	Ave		2.014 7				13.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,1-Dichloroethane	1.9264 1.9447	2.3183 1.9360	2.1826 1.9029	2.0011 1.9109	1.9862 1.8532	Ave		1.996 2				7.2		30.0			
Vinyl acetate	++++ 1.9822	++++ 2.3587	++++ 2.4753	++++ 2.5832	1.7121 2.5870	Ave		2.283 1				15.7		30.0			
2-Butanone (MEK)	++++ 0.4357	++++ 0.4340	0.4778 0.4275	0.4387 0.4245	0.4294 0.4206	Ave		0.436 1				4.1		30.0			
Hexane	++++ 0.6852	++++ 0.7019	++++ 0.6990	0.5941 0.6909	0.6638 0.6795	Ave		0.673 5				5.5		30.0			
cis-1,2-Dichloroethene	++++ 1.0191	1.2011 1.0098	1.0141 1.0933	0.9261 1.0869	0.9736 1.1071	Ave		1.047 9				7.9		30.0			
Ethyl acetate	++++ 2.1867	++++ 2.2543	2.2056 2.2909	2.0626 2.3464	2.0759 2.3273	Ave		2.218 7				4.8		30.0			
Chloroform	++++ 2.5901	++++ 2.5929	2.8282 2.5358	2.7819 2.5136	2.7779 2.5667	Ave		2.648 4				4.8		30.0			
Tetrahydrofuran	++++ 0.9068	++++ 0.9983	++++ 1.0716	0.8214 1.0914	0.7767 1.0709	Ave		0.962 4				13.4		30.0			
1,1,1-Trichloroethane	++++ 2.4914	++++ 2.4392	2.6800 2.3971	2.5702 2.4120	2.4266 2.4941	Ave		2.488 8				3.8		30.0			
1,2-Dichloroethane	++++ 0.3569	++++ 0.3591	0.4218 0.3516	0.3758 0.3568	0.3524 0.3550	Ave		0.366 2				6.5		30.0			
1-Butanol	++++ 0.0698	++++ 0.0864	++++ 0.0905	++++ 0.0948	0.0544 0.0904	Ave		0.081 0				19.3		30.0			
Cyclohexane	++++ 0.0829	++++ 0.0912	++++ 0.0993	0.0654 0.0975	0.0653 0.0961	Ave		0.085 4				17.2		30.0			
Benzene	++++ 0.6618	++++ 0.6814	0.6586 0.6814	0.6163 0.6708	0.6540 0.6499	Ave		0.659 3				3.2		30.0			
Carbon tetrachloride	0.7747 0.6636	0.7567 0.6873	0.7140 0.6816	0.6753 0.6838	0.6836 0.6834	Ave		0.700 4				5.3		30.0			
2,3-Dimethylpentane	++++ 0.1168	++++ 0.1293	0.0801 0.1367	0.0900 0.1386	0.1063 0.1340	Ave		0.116 5				19.2		30.0			
Thiophene	++++ 0.3841	0.3547 0.4054	0.3089 0.4193	0.3265 0.4256	0.3489 0.4273	Ave		0.377 9				11.8		30.0			
2,2,4-Trimethylpentane	++++ 0.8783	++++ 0.9816	++++ 1.0576	0.6813 1.0789	0.7617 1.0697	Ave		0.929 9				17.2		30.0			
Heptane	++++ 0.1614	++++ 0.1925	++++ 0.2081	0.1154 0.2128	0.1218 0.2096	Ave		0.174 5				24.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,2-Dichloropropane	+++++ 0.2905	+++++ 0.2950	0.2966 0.3030	0.2873 0.3107	0.2798 0.3006	Ave		0.295 4				3.3		30.0			
Trichloroethene	0.4438 0.3654	0.4075 0.3745	0.3462 0.3791	0.3482 0.3823	0.3550 0.3838	Ave		0.378 6				7.8		30.0			
Dibromomethane	+++++ 0.3873	+++++ 0.3883	0.3988 0.3919	0.3975 0.3942	0.3932 0.3969	Ave		0.393 5				1.1		30.0			
Bromodichloromethane	+++++ 0.5838	+++++ 0.6060	0.5814 0.6161	0.5926 0.6233	0.5736 0.6389	Ave		0.602 0				3.8		30.0			
1,4-Dioxane	+++++ 0.0794	+++++ 0.0975	+++++ 0.1040	0.0747 0.1061	0.0683 0.1012	Ave		0.090 2				17.3		30.0			
Methyl methacrylate	+++++ 0.2679	+++++ 0.3036	+++++ 0.3269	0.2099 0.3480	0.2236 0.3498	Ave		0.290 0				19.8		30.0			
Methylcyclohexane	+++++ 0.3100	+++++ 0.3734	0.1959 0.4056	0.2183 0.4210	0.2337 0.4200	Lin1	-0.03 2	0.416 3							0.9970		0.9900
4-Methyl-2-pentanone (MIBK)	+++++ 0.4889	+++++ 0.5615	+++++ 0.6064	0.3673 0.6321	0.4153 0.6436	Ave		0.530 7				20.6		30.0			
cis-1,3-Dichloropropene	+++++ 0.3586	+++++ 0.3933	0.2741 0.4213	0.2949 0.4340	0.3238 0.4513	Ave		0.368 9				18.0		30.0			
trans-1,3-Dichloropropene	0.3891 0.3239	0.3831 0.3832	0.3017 0.4328	0.2610 0.4538	0.2787 0.4680	Ave		0.367 5				19.9		30.0			
Toluene	+++++ 0.9511	+++++ 1.0397	0.6589 1.0869	0.6076 1.0706	0.7836 1.0778	LinF		1.075 9							1.0000		0.9900
1,1,2-Trichloroethane	+++++ 0.3855	+++++ 0.3863	0.3845 0.3807	0.3919 0.3704	0.3837 0.3672	Ave		0.381 3				2.2		30.0			
2-Hexanone	+++++ 0.2344	+++++ 0.2827	+++++ 0.3118	0.1526 0.3229	0.1599 0.3298	Ave		0.256 3				29.4		30.0			
C8 Range	+++++ 2.2546	+++++ 2.4033	+++++ 2.4774	+++++ 2.5431	2.0188 2.7180	Ave		2.402 6				10.1		30.0			
Octane	+++++ 0.2267	+++++ 0.2558	+++++ 0.2740	0.1064 0.2686	0.1632 0.2703	Lin2	-0.02 8	0.266 0							0.9950		0.9900
Dibromochloromethane	+++++ 0.8968	0.8529 0.9159	0.7981 0.9330	0.8190 0.9252	0.8550 0.9508	Ave		0.882 9				6.1		30.0			
1,2-Dibromoethane (EDB)	+++++ 0.6502	0.6892 0.6700	0.6123 0.6988	0.6221 0.7030	0.6172 0.7164	Ave		0.664 4				6.1		30.0			
Tetrachloroethene	+++++ 0.4807	0.4673 0.4977	0.4428 0.5008	0.4566 0.4792	0.4647 0.4971	Ave		0.476 3				4.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorobenzene	++++ 1.0055	++++ 1.0033	1.0537 0.9652	1.0115 0.9116	1.0147 0.9221	Ave		0.986 0				5.0		30.0			
Ethylbenzene	++++ 1.2001	++++ 1.3505	0.8943 1.4197	0.8399 1.4202	0.9551 1.4769	LinF		1.461 0						0.9990			0.9900
m-Xylene & p-Xylene	++++ 1.0944	0.6823 1.1497	0.6454 1.1576	0.6738 1.1565	0.8965 1.2512	LinF		1.227 2						0.9980			0.9900
Nonane	++++ 0.5290	++++ 0.6014	++++ 0.6499	0.2497 0.6539	0.3713 0.6936	Lin2	-0.07 0	0.642 1						0.9910			0.9900
Bromoform	++++ 1.1322	++++ 1.2130	0.8742 1.2341	0.9444 1.2730	1.0614 1.4748	LinF		1.421 3						0.9940			0.9900
Styrene	++++ 0.7771	++++ 0.8433	0.4025 0.8566	0.4478 0.8570	0.6439 0.9587	Qua	-0.01 6	0.788 8	0.0106029					1.0000			0.9900
o-Xylene	++++ 1.1995	++++ 1.2352	0.6918 1.2508	0.8281 1.2569	1.0747 1.3377	LinF		1.316 7						0.9990			0.9900
1,1,2,2-Tetrachloroethane	++++ 1.0174	1.0543 1.0431	0.9665 1.0412	0.9823 1.0368	0.9621 1.1061	Ave		1.023 3				4.6		30.0			
1,2,3-Trichloropropane	++++ 0.2198	0.2082 0.2289	0.2095 0.2262	0.1979 0.2288	0.2071 0.2448	Ave		0.219 0				6.7		30.0			
Isopropylbenzene	++++ 1.4734	++++ 1.6502	++++ 1.6964	0.8474 1.7138	1.0630 1.8536	Ave		1.471 1				25.5		30.0			
Propylbenzene	++++ 0.3918	++++ 0.4609	++++ 0.4735	0.2205 0.4795	0.2930 0.5187	Ave		0.405 4				27.2		30.0			
2-Chlorotoluene	++++ 0.4871	++++ 0.5140	++++ 0.5064	0.3321 0.4945	0.4351 0.5282	Ave		0.471 1				14.4		30.0			
4-Ethyltoluene	++++ 1.6465	++++ 1.7961	++++ 1.8268	0.9403 1.8335	1.3132 1.9994	Ave		1.622 3				22.8		30.0			
1,3,5-Trimethylbenzene	++++ 0.6981	++++ 0.7439	0.3587 0.7352	0.4072 0.7245	0.5716 0.7886	Lin1	-0.04 8	0.766 2						0.9980			0.9900
Alpha Methyl Styrene	++++ 0.6507	++++ 0.7551	++++ 0.7956	0.3244 0.8148	0.4651 ++++	Lin1	-0.10 3	0.817 5						0.9980			0.9900
Decane	++++ 0.9363	++++ 1.0159	++++ 1.0323	++++ 1.0466	0.7897 1.1510	Ave		0.995 3				12.3		30.0			
tert-Butylbenzene	++++ 1.6040	++++ 1.7078	++++ 1.6899	1.0380 1.6976	1.3255 1.9210	Ave		1.569 1				18.7		30.0			
1,2,4-Trimethylbenzene	++++ 1.6157	++++ 1.7043	0.8033 1.6730	1.0482 1.6923	1.3952 1.9454	Lin2	-0.08 2	1.722 3						0.9930			0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
sec-Butylbenzene	++++ 2.1173	++++ 2.3383	++++ 2.3764	1.2365 2.4035	1.6449 2.6196	Ave		2.105 2				23.3		30.0			
1,3-Dichlorobenzene	++++ 1.2945	++++ 1.3012	1.0518 1.2576	1.1008 1.2823	1.2046 1.4397	Ave		1.241 6				9.9		30.0			
Benzyl chloride	++++ 1.1369	++++ 1.2841	++++ 1.3469	0.7743 1.4445	0.8873 1.6867	Ave		1.223 0				26.0		30.0			
1,4-Dichlorobenzene	1.3215 1.2208	1.0473 1.2629	0.9135 1.2394	0.9753 1.2603	1.1021 1.4303	Ave		1.177 3				13.8		30.0			
4-Isopropyltoluene	++++ 1.9233	++++ 2.0468	0.8090 2.0142	1.1432 2.0179	1.5800 2.2612	Lin2	-0.11 0	2.043 5							0.9930		0.9900
1,2,3-Trimethylbenzene	++++ 1.6762	++++ 1.7307	0.7895 1.7263	1.0249 1.7393	1.3967 1.9559	Lin2	-0.08 7	1.757 4							0.9930		0.9900
Indane	++++ 1.5735	++++ 1.6943	0.7626 1.6561	0.9758 1.6941	1.2721 1.9012	Ave		1.441 2				27.6		30.0			
1,2-Dichlorobenzene	1.3734 1.3437	1.1237 1.3568	1.1011 1.2759	1.1314 1.2935	1.2340 1.4877	Ave		1.272 1				9.9		30.0			
Butylbenzene	++++ 2.1172	++++ 2.2442	++++ 2.2662	1.4293 2.3219	1.7884 2.5855	Ave		2.107 5				18.2		30.0			
Indene	++++ 1.4044	++++ 1.5045	++++ 1.4368	0.8974 1.4541	1.1579 1.6457	Ave		1.357 3				18.4		30.0			
Undecane	++++ 1.1476	++++ 1.2504	++++ 1.3140	++++ 1.3482	0.8499 1.5415	Ave		1.241 9				18.7		30.0			
1,2-Dibromo-3-Chloropropane	++++ 0.6849	++++ 0.7541	0.4644 0.8080	0.5298 0.8313	0.5817 0.9801	Ave		0.704 3				24.5		30.0			
1,2,4,5-Tetramethylbenzene	++++ 1.7952	++++ 1.9356	0.6566 2.0220	0.8660 2.0966	1.2126 2.4483	Qua	-0.09 1	1.825 4	0.0391221						1.0000		0.9900
Dodecane	++++ 1.3116	++++ 1.2906	++++ 1.4061	++++ 1.4649	0.8119 1.7061	Ave		1.331 9				22.2		30.0			
1,2,4-Trichlorobenzene	++++ 1.0850	++++ 1.1530	0.6794 1.2208	0.7227 1.3022	0.8013 ++++	Ave		0.994 9				25.6		30.0			
Naphthalene	++++ 1.7975	++++ 1.8583	++++ 1.9151	0.9445 2.0769	1.2322 2.4424	Ave		1.752 4				29.0		30.0			
Hexachlorobutadiene	++++ 1.4359	1.5523 1.3957	1.4501 1.4627	1.4680 1.6004	1.3163 1.8505	Ave		1.503 5				10.2		30.0			
1,2,3-Trichlorobenzene	++++ 0.9466	++++ 0.9648	++++ 1.0467	++++ 1.1266	0.7522 1.3676	Ave		1.034 1				19.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
2-Methylnaphthalene	+++++ 0.4752	+++++ 0.6783	+++++ 0.7906	+++++ 1.0372	+++++ 1.3474	Ave		0.865 7				38.9		50.0			
1-Methylnaphthalene	+++++ 0.8114	+++++ 0.9086	+++++ 0.9394	+++++ 1.1003	+++++ 1.3625	Ave		1.024 4				21.1		50.0			
4-Bromofluorobenzene (Surr)	0.7454 0.8673	0.7516 0.8670	0.7591 0.8608	0.7880 0.8663	0.8381 0.9421	Ave		0.828 6				7.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-50074/9	HE22C01.D
Level 2	IC 140-50074/10	HE22C02.D
Level 3	IC 140-50074/11	HE22C03.D
Level 4	IC 140-50074/12	HE22IC04.D
Level 5	IC 140-50074/13	HE22IC05.D
Level 6	IC 140-50074/14	HE22IC06.D
Level 7	ICIS 140-50074/15	HE22IC07.D
Level 8	IC 140-50074/7	HE22C08.D
Level 9	IC 140-50074/5	HE22C09.D
Level 10	IC 140-50074/3	HE22IC10B.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Chlorodifluoromethane	CBM	Ave	+++++ 115681	4155 252814	8867 534876	17017 1115789	43376 1738546	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Ave	+++++ 48985	+++++ 114253	+++++ 246432	+++++ 499739	18609 741163	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Dichlorodifluoromethane	CBM	Ave	+++++ 204963	8560 441098	16527 943313	31822 1950505	79155 3242059	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 17585	+++++ 39435	+++++ 85164	2693 179403	7233 247964	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	CBM	Ave	+++++ 145544	6365 326358	10624 732183	21820 1505691	56077 2219573	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	+++++ 58615	2245 139399	4278 307685	9749 644010	23083 906692	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 83180	4071 201277	7392 442276	13191 943326	32086 1353330	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 41971	+++++ 93308	+++++ 216503	6562 463740	16204 664480	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 63497	3623 141792	5565 325627	11388 690866	22875 1001327	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 23535	+++++ 50598	2006 117960	4073 246039	9055 342166	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	LinF	+++++ 146545	+++++ 349269	12742 806444	24120 1696806	53092 2456616	+++++ 5.00	+++++ 10.0	0.400 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	+++++ 	+++++ 	5527 	10391 	25818 	+++++ 	+++++ 	0.0800 	0.160 	0.400

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			70078	152080	338377	705916	1109938	1.00	2.00	4.00	8.00	16.0
2-Methylbutane	CBM	Ave	++++ 66476	2511 148371	4654 335859	9225 690700	23445 1025507	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichlorofluoromethane	CBM	Ave	++++ 207318	8356 445778	16321 981672	31652 2041424	80940 3411961	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrolein	CBM	Ave	++++ 17484	++++ 40818	++++ 91781	++++ 192449	6693 310342	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Acetonitrile	CBM	Ave	++++ 25625	++++ 56957	++++ 123541	++++ 261219	6263 396458	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Acetone	CBM	Ave	++++ 80505	++++ 171491	++++ 372221	++++ 769301	34042 1224295	++++ 3.00	++++ 6.00	++++ 12.0	++++ 24.0	1.20 48.0
Isopropyl alcohol	CBM	Ave	++++ 214954	++++ 526350	++++ 1156882	28234 2378227	74405 3825096	++++ 3.00	++++ 6.00	++++ 12.0	0.480 24.0	1.20 48.0
Pentane	CBM	Ave	++++ 6613	++++ 13965	++++ 31608	++++ 61109	2404 100852	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Ethyl ether	CBM	Ave	++++ 55300	++++ 137695	++++ 314342	++++ 660835	21169 1025122	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	++++ 58642	2942 133477	4380 297750	8479 628488	21661 1026306	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
tert-Butyl alcohol	CBM	Ave	++++ 71931	++++ 175719	++++ 406563	9680 847411	24545 1370200	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	++++ 36152	++++ 84641	++++ 198321	++++ 405066	13656 683031	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
1,1,2-Trichloro-1,2,2-trifluoroethane	CBM	Ave	++++ 158716	++++ 342402	13007 758907	24582 1556570	62427 2613842	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Ave	++++ 58590	3542 124764	5761 276957	9431 572667	22827 937247	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
3-Chloropropene	CBM	Ave	++++ 48213	++++ 109596	2991 251424	7011 535555	17456 928415	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	++++ 165673	++++ 373665	12292 838794	24208 1775276	60250 2939561	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	++++ 55903	2433 130819	4329 290276	7735 606347	19979 1024169	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	++++ 107157	++++ 263924	5801 612162	12949 1282998	35839 2135362	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Methyl tert-butyl ether	CBM	Ave	++++ 112172	++++ 264998	++++ 616592	12735 1301456	37391 2207439	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethane	CBM	Ave	2271 109554	5117 237139	9382 530620	16620 1120776	41547 1861770	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	++++ 111671	++++ 288920	++++ 690252	++++ 1515097	35814 2598979	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
2-Butanone (MEK)	CBM	Ave	++++ 24547	++++ 53163	2054 119218	3644 248997	8983 422522	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	++++ 38603	++++ 85971	++++ 194918	4934 405195	13886 682692	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	++++ 57410	2651 123686	4359 304856	7692 637458	20365 1112236	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl acetate	CBM	Ave	++++ 123188	++++ 276126	9481 638831	17131 1376211	43424 2338041	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	++++ 145918	++++ 317605	12157 707124	23105 1474252	58107 2578539	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	++++ 51088	++++ 122285	++++ 298821	6822 640100	16247 1075840	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	++++ 140353	++++ 298778	11520 668428	21347 1414682	50760 2505613	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloroethane	DFBZ	Ave	++++ 88714	++++ 190838	7686 424413	13464 908888	32512 1594346	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	++++ 17349	++++ 45922	++++ 109243	++++ 241383	5022 406019	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	++++ 20619	++++ 48481	++++ 119929	2344 248362	6024 431535	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	++++ 164503	++++ 362090	12001 822630	22081 1708606	60329 2918966	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	3865 164955	7066 365251	13010 822863	24196 1741776	63067 3069755	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,3-Dimethylpentane	DFBZ	Ave	++++ 29038	++++ 68692	1459 165085	3223 353079	9806 601891	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	++++ 95478	3312 215465	5629 506214	11698 1084128	32184 1919246	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 218341	++++ 521633	++++ 1276837	24411 2748249	70265 4804789	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Heptane	DFBZ	Ave	++++ 40131	++++ 102283	++++ 251210	4135 542032	11233 941678	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dichloropropane	DFBZ	Ave	++++ 72212	++++ 156763	5405 365805	10294 791446	25816 1350066	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	2214 90837	3805 198992	6308 457677	12475 973786	32746 1724096	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	++++ 96272	++++ 206344	7267 473114	14240 1004127	36272 1782962	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	++++ 145130	++++ 322032	10594 743850	21232 1587576	52911 2869911	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	++++ 19730	++++ 51820	++++ 125586	2678 270368	6305 454687	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	++++ 66595	++++ 161355	++++ 394675	7519 886475	20631 1571287	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Lin1	++++ 77057	++++ 198410	3569 489699	7822 1072355	21561 1886662	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	++++ 121533	++++ 298412	++++ 732026	13158 1610009	38308 2890970	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 89135	++++ 208998	4994 508666	10564 1105373	29871 2027007	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd 5	Ave	1538 63805	2849 164738	4407 435421	7548 1006011	20539 1887248	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	LinF	++++ 187382	++++ 446933	9625 1093600	17571 2373505	57742 4346657	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd 5	Ave	++++ 75944	++++ 166061	5616 383052	11333 821188	28273 1480952	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	++++ 46189	++++ 121509	++++ 313763	4413 715841	11785 1330177	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	++++ 560458	++++ 1277168	++++ 2990927	++++ 6477956	186240 12208538	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Octane	CBZd 5	Lin2	++++ 5	++++ 5	++++ 5	3078	12029	++++ 5	++++ 5	++++ 5	0.160	0.400

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			44654	109964	275707	595417	1090147	1.00	2.00	4.00	8.00	16.0
Dibromochloromethane	CBZd 5	Ave	+++++	6342	11658	23683	63006	+++++	0.0400	0.0800	0.160	0.400
			176682	393717	938705	2051150	3834213	1.00	2.00	4.00	8.00	16.0
1,2-Dibromoethane (EDB)	CBZd 5	Ave	+++++	5125	8944	17989	45477	+++++	0.0400	0.0800	0.160	0.400
			128104	288032	703137	1558466	2889205	1.00	2.00	4.00	8.00	16.0
Tetrachloroethene	CBZd 5	Ave	+++++	3475	6468	13204	34243	+++++	0.0400	0.0800	0.160	0.400
			94712	213949	503924	1062397	2004632	1.00	2.00	4.00	8.00	16.0
Chlorobenzene	CBZd 5	Ave	+++++	+++++	15392	29252	74773	+++++	+++++	0.0800	0.160	0.400
			198098	431328	971130	2020953	3718777	1.00	2.00	4.00	8.00	16.0
Ethylbenzene	CBZd 5	LinF	+++++	+++++	13063	24287	70376	+++++	+++++	0.0800	0.160	0.400
			236443	580575	1428487	3148647	5956163	1.00	2.00	4.00	8.00	16.0
m-Xylene & p-Xylene	CBZd 5	LinF	+++++	10147	18854	38970	132115	+++++	0.0800	0.160	0.320	0.800
			431228	988519	2329473	5127896	10091710	2.00	4.00	8.00	16.0	32.0
Nonane	CBZd 5	Lin2	+++++	+++++	+++++	7222	27357	+++++	+++++	+++++	0.160	0.400
			104222	258525	653890	1449677	2797252	1.00	2.00	4.00	8.00	16.0
Bromoform	CBZd 5	LinF	+++++	+++++	12770	27311	78213	+++++	+++++	0.0800	0.160	0.400
			223051	521473	1241649	2822167	5947517	1.00	2.00	4.00	8.00	16.0
Styrene	CBZd 5	Qua	+++++	+++++	5879	12950	47445	+++++	+++++	0.0800	0.160	0.400
			153101	362544	861885	1900017	3866249	1.00	2.00	4.00	8.00	16.0
o-Xylene	CBZd 5	LinF	+++++	+++++	10106	23948	79189	+++++	+++++	0.0800	0.160	0.400
			236316	530988	1258471	2786680	5394521	1.00	2.00	4.00	8.00	16.0
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	+++++	7840	14118	28407	70893	+++++	0.0400	0.0800	0.160	0.400
			200445	448419	1047596	2298674	4460452	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichloropropane	CBZd 5	Ave	+++++	1548	3060	5723	15263	+++++	0.0400	0.0800	0.160	0.400

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			43311	98405	227622	507178	987031	1.00	2.00	4.00	8.00	16.0
Isopropylbenzene	CBZd 5	Ave	+++++	+++++	+++++	24506	78333	+++++	+++++	+++++	0.160	0.400
			290273	709381	1706843	3799519	7475095	1.00	2.00	4.00	8.00	16.0
Propylbenzene	CBZd 5	Ave	+++++	+++++	+++++	6377	21591	+++++	+++++	+++++	0.160	0.400
			77184	198121	476369	1063120	2091594	1.00	2.00	4.00	8.00	16.0
2-Chlorotoluene	CBZd 5	Ave	+++++	+++++	+++++	9605	32061	+++++	+++++	+++++	0.160	0.400
			95970	220980	509511	1096426	2130101	1.00	2.00	4.00	8.00	16.0
4-Ethyltoluene	CBZd 5	Ave	+++++	+++++	+++++	27192	96763	+++++	+++++	+++++	0.160	0.400
			324378	772115	1838004	4065016	8063177	1.00	2.00	4.00	8.00	16.0
1,3,5-Trimethylbenzene	CBZd 5	Lin1	+++++	+++++	5240	11776	42121	+++++	+++++	0.0800	0.160	0.400
			137528	319788	739771	1606249	3180122	1.00	2.00	4.00	8.00	16.0
Alpha Methyl Styrene	CBZd 5	Lin1	+++++	+++++	+++++	9382	34274	+++++	+++++	+++++	0.160	0.400
			128200	324608	800492	1806458	+++++	1.00	2.00	4.00	8.00	+++++
Decane	CBZd 5	Ave	+++++	+++++	+++++	+++++	58191	+++++	+++++	+++++	+++++	0.400
			184457	436712	1038663	2320311	4641815	1.00	2.00	4.00	8.00	16.0
tert-Butylbenzene	CBZd 5	Ave	+++++	+++++	+++++	30016	97672	+++++	+++++	+++++	0.160	0.400
			316018	734144	1700258	3763548	7746865	1.00	2.00	4.00	8.00	16.0
1,2,4-Trimethylbenzene	CBZd 5	Lin2	+++++	+++++	11734	30313	102805	+++++	+++++	0.0800	0.160	0.400
			318319	732641	1683334	3751889	7845119	1.00	2.00	4.00	8.00	16.0
sec-Butylbenzene	CBZd 5	Ave	+++++	+++++	+++++	35758	121207	+++++	+++++	+++++	0.160	0.400
			417138	1005209	2391039	5328589	10564047	1.00	2.00	4.00	8.00	16.0
1,3-Dichlorobenzene	CBZd 5	Ave	+++++	+++++	15364	31834	88765	+++++	+++++	0.0800	0.160	0.400
			255027	559349	1265318	2842834	5806069	1.00	2.00	4.00	8.00	16.0
Benzyl chloride	CBZd 5	Ave	+++++	+++++	+++++	22392	65382	+++++	+++++	+++++	0.160	0.400

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			223983	552030	1355182	3202574	6802149	1.00	2.00	4.00	8.00	16.0
1,4-Dichlorobenzene	CBZd 5	Ave	5223	7788	13344	28205	81212	0.0200	0.0400	0.0800	0.160	0.400
			240515	542901	1247000	2794222	5767988	1.00	2.00	4.00	8.00	16.0
4-Isopropyltoluene	CBZd 5	Lin2	++++	++++	11818	33059	116424	++++	++++	0.0800	0.160	0.400
			378920	879899	2026623	4473808	9118716	1.00	2.00	4.00	8.00	16.0
1,2,3-Trimethylbenzene	CBZd 5	Lin2	++++	++++	11532	29639	102922	++++	++++	0.0800	0.160	0.400
			330245	743999	1736905	3855978	7887528	1.00	2.00	4.00	8.00	16.0
Indane	CBZd 5	Ave	++++	++++	11139	28219	93738	++++	++++	0.0800	0.160	0.400
			310007	728371	1666254	3755941	7667154	1.00	2.00	4.00	8.00	16.0
1,2-Dichlorobenzene	CBZd 5	Ave	5428	8356	16085	32719	90933	0.0200	0.0400	0.0800	0.160	0.400
			264727	583257	1283741	2867740	5999375	1.00	2.00	4.00	8.00	16.0
Butylbenzene	CBZd 5	Ave	++++	++++	++++	41332	131779	++++	++++	++++	0.160	0.400
			417119	964757	2280198	5147720	10426791	1.00	2.00	4.00	8.00	16.0
Indene	CBZd 5	Ave	++++	++++	++++	25950	85323	++++	++++	++++	0.160	0.400
			276683	646767	1445665	3223753	6636885	1.00	2.00	4.00	8.00	16.0
Undecane	CBZd 5	Ave	++++	++++	++++	++++	62627	++++	++++	++++	++++	0.400
			226091	537522	1322052	2988953	6216544	1.00	2.00	4.00	8.00	16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	++++	++++	6783	15320	42866	++++	++++	0.0800	0.160	0.400
			134931	324180	813011	1843074	3952376	1.00	2.00	4.00	8.00	16.0
1,2,4,5-Tetramethylbenzene	CBZd 5	Qua	++++	++++	9591	25042	89350	++++	++++	0.0800	0.160	0.400
			353676	832080	2034405	4648305	9873453	1.00	2.00	4.00	8.00	16.0
Dodecane	CBZd 5	Ave	++++	++++	++++	++++	59827	++++	++++	++++	++++	0.400
			258414	554826	1414744	3247648	6880207	1.00	2.00	4.00	8.00	16.0
1,2,4-Trichlorobenzene	CBZd 5	Ave	++++	++++	9924	20900	59047	++++	++++	0.0800	0.160	0.400

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			213765	495646	1228362	2887062	+++++	1.00	2.00	4.00	8.00	+++++
Naphthalene	CBZd 5	Ave	+++++	+++++	+++++	27314	90799	+++++	+++++	+++++	0.160	0.400
			354131	798845	1926861	4604463	9849560	1.00	2.00	4.00	8.00	16.0
Hexachlorobutadiene	CBZd 5	Ave	+++++	11543	21183	42452	96996	+++++	0.0400	0.0800	0.160	0.400
			282894	599999	1471700	3548096	7462421	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichlorobenzene	CBZd 5	Ave	+++++	+++++	+++++	+++++	55426	+++++	+++++	+++++	+++++	0.400
			186503	414772	1053152	2497650	5515025	1.00	2.00	4.00	8.00	16.0
2-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
			93631	291608	795458	2299719	5433882	1.00	2.00	4.00	8.00	16.0
1-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
			159858	390618	945221	2439547	5494802	1.00	2.00	4.00	8.00	16.0
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	683457	648300	643175	660834	716349	4.64	4.64	4.64	4.64	4.64
			792870	864684	1004625	1113999	1101840	4.64	4.64	4.64	4.64	4.64

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
LinF = Linear ISTD forced zero
Qua = Quadratic ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-50074/9	HE22C01.D
Level 2	IC 140-50074/10	HE22C02.D
Level 3	IC 140-50074/11	HE22C03.D
Level 4	IC 140-50074/12	HE22IC04.D
Level 5	IC 140-50074/13	HE22IC05.D
Level 6	IC 140-50074/14	HE22IC06.D
Level 7	ICIS 140-50074/15	HE22IC07.D
Level 8	IC 140-50074/7	HE22C08.D
Level 9	IC 140-50074/5	HE22C09.D
Level 10	IC 140-50074/3	HE22IC10B.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Chlorodifluoromethane	+++++	-4.5						50				
Propene	+++++	+++++	+++++	+++++	3.3						50	
Dichlorodifluoromethane	+++++	7.4						50				
Chloromethane	+++++	+++++	+++++	5.0						50		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++	11.3						50				
Vinyl chloride	+++++	-4.4						50				
Butane	+++++	15.7						50				
1,3-Butadiene	+++++	+++++	+++++	4.3						50		
Bromomethane	+++++	34.0						50				
Chloroethane	+++++	+++++	9.7						50			
Ethanol	+++++	+++++	16.0						50			
Vinyl bromide	+++++	+++++	5.2						50			
2-Methylbutane	+++++	-0.1						50				
Trichlorofluoromethane	+++++	3.3						50				

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Acrolein	+++++	+++++	+++++	+++++	-0.5						50	
Acetonitrile	+++++	+++++	+++++	+++++	-28.2						50	
Acetone	+++++	+++++	+++++	+++++	17.3						80	
Isopropyl alcohol	+++++	+++++	+++++	-12.1						50		
Pentane	+++++	+++++	+++++	+++++	3.8						50	
Ethyl ether	+++++	+++++	+++++	+++++	-5.0						50	
1,1-Dichloroethene	+++++	23.7						50				
tert-Butyl alcohol	+++++	+++++	+++++	-12.4						50		
Acrylonitrile	+++++	+++++	+++++	+++++	-3.7						50	
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	+++++	7.3						50			
Methylene Chloride	+++++	42.5						80				
3-Chloropropene	+++++	+++++	-18.9						50			
Carbon disulfide	+++++	+++++	-3.1						50			
trans-1,2-Dichloroethene	+++++	8.4						50				
2-Methylpentane	+++++	+++++	-28.9						50			
Methyl tert-butyl ether	+++++	+++++	+++++	-23.9						50		
1,1-Dichloroethane	-3.5						50					
Vinyl acetate	+++++	+++++	+++++	+++++	-25.0						50	
2-Butanone (MEK)	+++++	+++++	9.6						50			
Hexane	+++++	+++++	+++++	-11.8						50		
cis-1,2-Dichloroethene	+++++	14.6						50				

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Ethyl acetate	+++++	+++++	-0.6						50			
Chloroform	+++++	+++++	6.8						50			
Tetrahydrofuran	+++++	+++++	+++++	-14.7						50		
1,1,1-Trichloroethane	+++++	+++++	7.7						50			
1,2-Dichloroethane	+++++	+++++	15.2						50			
1-Butanol	+++++	+++++	+++++	+++++	-32.8						50	
Cyclohexane	+++++	+++++	+++++	-23.4						50		
Benzene	+++++	+++++	-0.1						50			
Carbon tetrachloride	10.6						50					
2,3-Dimethylpentane	+++++	+++++	-31.3						50			
Thiophene	+++++	-6.1						50				
2,2,4-Trimethylpentane	+++++	+++++	+++++	-26.7						50		
Heptane	+++++	+++++	+++++	-33.9						50		
1,2-Dichloropropane	+++++	+++++	0.4						50			
Trichloroethene	17.2						50					
Dibromomethane	+++++	+++++	1.3						50			
Bromodichloromethane	+++++	+++++	-3.4						50			
1,4-Dioxane	+++++	+++++	+++++	-17.1						50		
Methyl methacrylate	+++++	+++++	+++++	-27.6						50		
Methylcyclohexane	+++++	+++++	44.5						50			
4-Methyl-2-pentanone (MIBK)	+++++	+++++	+++++	-30.8						50		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #			LVL 7	LVL 8	LVL 9	LVL 10		
cis-1,3-Dichloropropene	+++++	+++++	-25.7						50			
trans-1,3-Dichloropropene	5.9						50					
Toluene	+++++	+++++	-38.8						50			
1,1,2-Trichloroethane	+++++	+++++	0.8						50			
2-Hexanone	+++++	+++++	+++++	-40.5						50		
Octane	+++++	+++++	+++++	5.3						50		
Dibromochloromethane	+++++	-3.4						50				
1,2-Dibromoethane (EDB)	+++++	3.7						50				
Tetrachloroethene	+++++	-1.9						50				
Chlorobenzene	+++++	+++++	6.9						50			
Ethylbenzene	+++++	+++++	-38.8						50			
m-Xylene & p-Xylene	+++++	-44.4						50				
Nonane	+++++	+++++	+++++	6.8						50		
Bromoform	+++++	+++++	-38.5						50			
Styrene	+++++	+++++	-23.8						50			
o-Xylene	+++++	+++++	-47.5						50			
1,1,2,2-Tetrachloroethane	+++++	3.0						50				
1,2,3-Trichloropropane	+++++	-5.0						50				
Isopropylbenzene	+++++	+++++	+++++	-42.4						50		
Propylbenzene	+++++	+++++	+++++	-45.6						50		
2-Chlorotoluene	+++++	+++++	+++++	-29.5						50		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
4-Ethyltoluene	+++++	+++++	+++++	-42.0						50		
1,3,5-Trimethylbenzene	+++++	+++++	24.3						50			
Alpha Methyl Styrene	+++++	+++++	+++++	18.8 +++++						50		
Decane	+++++	+++++	+++++	+++++	-20.7						50	
tert-Butylbenzene	+++++	+++++	+++++	-33.8						50		
1,2,4-Trimethylbenzene	+++++	+++++	6.2						50			
sec-Butylbenzene	+++++	+++++	+++++	-41.3						50		
1,3-Dichlorobenzene	+++++	+++++	-15.3						50			
Benzyl chloride	+++++	+++++	+++++	-36.7						50		
1,4-Dichlorobenzene	12.2						50					
4-Isopropyltoluene	+++++	+++++	6.9						50			
1,2,3-Trimethylbenzene	+++++	+++++	6.9						50			
Indane	+++++	+++++	-47.1						50			
1,2-Dichlorobenzene	8.0						50					
Butylbenzene	+++++	+++++	+++++	-32.2						50		
Indene	+++++	+++++	+++++	-33.9						50		
Undecane	+++++	+++++	+++++	+++++	-31.6						50	
1,2-Dibromo-3-Chloropropane	+++++	+++++	-34.1						50			
1,2,4,5-Tetramethylbenzene	+++++	+++++	-2.0						50			
Dodecane	+++++	+++++	+++++	+++++	-39.0						50	
1,2,4-Trichlorobenzene	+++++	+++++	-31.7	+++++					50			

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50074

SDG No.: _____

Instrument ID: MH GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2021 09:12 Calibration End Date: 05/22/2021 17:53 Calibration ID: 3090

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #			LVL 7	LVL 8	LVL 9	LVL 10		
Naphthalene	+++++	+++++	+++++	-46.1						80		
Hexachlorobutadiene	+++++	3.2						50				
1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	-27.3						50	
2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	-45.1						80
1-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	-20.8						80

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC10B.D
 Lims ID: IC L10
 Client ID:
 Sample Type: IC Calib Level: 10
 Inject. Date: 22-May-2021 09:12:30 ALS Bottle#: 13 Worklist Smp#: 3
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-003
 Misc. Info.: 387533
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:13 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: tajh

Date: 22-May-2021 09:56:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.369	9.360	0.009	95	301388	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.540	11.535	0.005	93	1347514	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	86	1209824	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.866	17.863	0.003	96	1101840	4.64	5.28	
6 Chlorodifluoromethane	51	3.844	3.847	-0.003	97	1738546	16.0	14.1	
7 Propene	41	3.859	3.861	-0.002	97	741163	16.0	13.7	
8 Dichlorodifluoromethane	85	3.911	3.914	-0.003	100	3242059	16.0	14.3	
9 Chloromethane	52	4.118	4.119	-0.001	53	247964	16.0	12.8	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.118	4.121	-0.003	88	2219573	16.0	13.6	
11 Acetaldehyde	44	4.283	4.286	-0.003	87	1631136	80.0	64.1	
12 Vinyl chloride	62	4.304	4.304	0.000	100	906692	16.0	13.6	
13 Butane	43	4.397	4.400	-0.003	81	1353330	16.0	13.5	
14 Butadiene	54	4.397	4.401	-0.004	73	664480	16.0	14.0	
15 Bromomethane	94	4.759	4.761	-0.002	96	1001327	16.0	13.0	
16 Chloroethane	64	4.914	4.915	-0.001	82	342166	16.0	12.8	
17 Ethanol	31	5.017	5.011	0.006	97	2456616	80.0	76.5	
18 Vinyl bromide	106	5.250	5.250	0.000	97	1109938	16.0	14.5	
19 2-Methylbutane	43	5.296	5.297	-0.001	91	1025507	16.0	14.3	
20 Trichlorofluoromethane	101	5.539	5.539	0.000	99	3411961	16.0	14.8	
21 Acrolein	56	5.555	5.556	-0.001	96	310342	16.0	15.4	
22 Acetonitrile	40	5.632	5.630	0.002	98	396458	16.0	15.1	
23 Acetone	58	5.673	5.681	-0.008	100	1224295	48.0	42.2	
25 Isopropyl alcohol	45	5.761	5.761	0.000	94	3825096	48.0	47.2	
24 Pentane	72	5.777	5.774	0.003	97	100852	16.0	14.5	
26 Ethyl ether	31	5.947	5.958	-0.011	92	1025122	16.0	15.3	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	97	1026306	16.0	15.2	
29 2-Methyl-2-propanol	59	6.397	6.403	-0.006	95	1370200	16.0	16.4	
28 Acrylonitrile	53	6.428	6.427	0.001	93	683031	16.0	16.0	
30 112TCTFE	101	6.490	6.489	0.001	94	2613842	16.0	14.8	
31 Methylene Chloride	84	6.686	6.685	0.001	98	937247	16.0	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.697	6.698	-0.001	97	928415	16.0	17.2	
33 Carbon disulfide	76	6.862	6.861	0.001	100	2939561	16.0	15.9	
34 trans-1,2-Dichloroethene	96	7.539	7.539	0.000	96	1024169	16.0	16.0	
35 2-Methylpentane	43	7.550	7.547	0.003	94	2135362	16.0	17.9	
36 Methyl tert-butyl ether	73	7.643	7.663	-0.020	95	2207439	16.0	17.5	
37 1,1-Dichloroethane	63	7.989	7.986	0.003	99	1861770	16.0	14.9	
38 Vinyl acetate	43	8.082	8.083	-0.001	100	2598979	16.0	18.1	
39 2-Butanone (MEK)	72	8.547	8.554	-0.007	96	422522	16.0	15.4	
40 Hexane	56	8.573	8.574	-0.001	87	682692	16.0	16.1	
41 Isopropyl ether	45	8.723	8.733	-0.010	96	3297669	16.0	19.0	
42 cis-1,2-Dichloroethene	96	9.017	9.012	0.005	95	1112236	16.0	16.9	
43 Ethyl acetate	43	9.178	9.183	-0.005	98	2338041	16.0	16.8	
44 Chloroform	83	9.374	9.366	0.008	96	2578539	16.0	15.5	
45 Tert-butyl ethyl ether	59	9.426	9.436	-0.010	98	2761037	16.0	19.2	
46 Tetrahydrofuran	42	9.756	9.769	-0.013	92	1075840	16.0	17.8	
47 1,1,1-Trichloroethane	97	10.423	10.419	0.004	96	2505613	16.0	16.0	
48 1,2-Dichloroethane	62	10.537	10.531	0.006	97	1594346	16.0	15.5	
49 n-Butanol	31	10.919	10.930	-0.011	94	406019	16.0	17.8	
50 Cyclohexane	69	11.007	11.009	-0.002	91	431535	16.0	18.0	
51 Benzene	78	11.018	11.012	0.006	98	2918966	16.0	15.8	
52 Carbon tetrachloride	117	11.033	11.031	0.002	96	3069755	16.0	15.6	
53 2,3-Dimethylpentane	71	11.111	11.112	-0.001	91	601891	16.0	18.4	
54 Thiophene	84	11.286	11.284	0.002	96	1919246	16.0	18.1	
55 Isooctane	57	11.741	11.739	0.002	95	4804789	16.0	18.4	
56 n-Heptane	71	12.108	12.106	0.002	95	941678	16.0	19.2	
57 1,2-Dichloropropane	63	12.217	12.210	0.007	90	1350066	16.0	16.3	
58 Trichloroethene	130	12.248	12.242	0.006	97	1724096	16.0	16.2	
59 Dibromomethane	93	12.341	12.334	0.007	91	1782962	16.0	16.1	
60 Dichlorobromomethane	83	12.480	12.471	0.009	98	2869911	16.0	17.0	
61 1,4-Dioxane	88	12.465	12.478	-0.013	95	454687	16.0	18.0	
62 Methyl methacrylate	41	12.542	12.539	0.003	89	1571287	16.0	19.3	
63 Methylcyclohexane	83	13.002	12.998	0.004	94	1886662	16.0	16.2	
64 4-Methyl-2-pentanone (MIBK)	43	13.379	13.383	-0.004	98	2890970	16.0	19.4	
65 cis-1,3-Dichloropropene	75	13.457	13.452	0.005	97	2027007	16.0	19.6	
66 trans-1,3-Dichloropropene	75	14.144	14.139	0.005	98	1887248	16.0	20.4	
67 Toluene	91	14.268	14.266	0.002	92	4346657	16.0	16.0	
68 1,1,2-Trichloroethane	83	14.346	14.341	0.005	96	1480952	16.0	15.4	
69 2-Hexanone	58	14.697	14.705	-0.008	90	1330177	16.0	20.6	
70 n-Octane	85	14.925	14.924	0.001	97	1090147	16.0	16.4	
71 Chlorodibromomethane	129	15.049	15.043	0.006	97	3834213	16.0	17.2	
72 Ethylene Dibromide	107	15.338	15.335	0.003	97	2889205	16.0	17.3	
73 Tetrachloroethene	129	15.400	15.398	0.002	96	2004632	16.0	16.7	
75 2,3-Dimethylheptane	43	16.263	16.258	0.005	92	4489741	16.0	17.8	
74 Chlorobenzene	112	16.274	16.269	0.005	94	3718777	16.0	15.0	
76 Ethylbenzene	91	16.548	16.547	0.001	99	5956163	16.0	16.2	
77 m-Xylene & p-Xylene	91	16.708	16.707	0.001	99	10091710	32.0	32.6	
78 n-Nonane	57	17.101	17.098	0.003	94	2797252	16.0	17.4	
80 Styrene	104	17.173	17.171	0.002	80	3866249	16.0	16.0	
79 Bromoform	173	17.173	17.171	0.002	95	5947517	16.0	16.6	
81 o-Xylene	91	17.235	17.231	0.004	98	5394521	16.0	16.3	
82 1,1,2,2-Tetrachloroethane	83	17.566	17.562	0.004	99	4460452	16.0	17.3	
83 1,2,3-Trichloropropane	110	17.731	17.727	0.004	98	987031	16.0	17.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.829	17.825	0.004	97	7475095	16.0	20.2	
85 N-Propylbenzene	120	18.367	18.365	0.002	98	2091594	16.0	20.5	
86 2-Chlorotoluene	126	18.424	18.418	0.006	98	2130101	16.0	17.9	
87 4-Ethyltoluene	105	18.517	18.514	0.003	98	8063177	16.0	19.7	
88 1,3,5-Trimethylbenzene	120	18.589	18.586	0.003	91	3180122	16.0	16.5	
89 Alpha Methyl Styrene	118	18.822	18.821	0.001	88	3641948	16.0	17.8	
90 n-Decane	57	18.863	18.859	0.004	89	4641815	16.0	18.5	
91 tert-Butylbenzene	119	19.023	19.018	0.005	93	7746865	16.0	19.6	
92 1,2,4-Trimethylbenzene	105	19.034	19.031	0.003	96	7845119	16.0	18.1	
93 sec-Butylbenzene	105	19.292	19.288	0.004	98	10564047	16.0	19.9	
94 1,3-Dichlorobenzene	146	19.318	19.313	0.005	98	5806069	16.0	18.6	
95 Benzyl chloride	91	19.390	19.387	0.003	97	6802149	16.0	22.1	
96 1,4-Dichlorobenzene	146	19.406	19.401	0.005	95	5767988	16.0	19.4	
97 4-Isopropyltoluene	119	19.452	19.449	0.003	96	9118716	16.0	17.8	
98 1,2,3-Trimethylbenzene	105	19.514	19.511	0.003	99	7887528	16.0	17.9	
99 Butylcyclohexane	83	19.561	19.557	0.004	91	6023007	16.0	20.0	
101 2,3-Dihydroindene	117	19.768	19.762	0.006	93	7667154	16.0	21.1	
100 1,2-Dichlorobenzene	146	19.773	19.768	0.005	97	5999375	16.0	18.7	
103 n-Butylbenzene	91	19.892	19.888	0.004	97	10426791	16.0	19.6	
102 Indene	116	19.897	19.896	0.001	86	6636885	16.0	19.4	
104 Undecane	57	20.186	20.182	0.004	92	6216544	16.0	19.9	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	99	3952376	16.0	22.3	
106 1,2,4,5-Tetramethylbenzene	119	20.667	20.664	0.003	96	9873453	16.0	16.0	
107 Dodecane	57	21.297	21.294	0.003	91	6880207	16.0	20.5	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	94	6509909	16.0	26.0	
109 Naphthalene	128	21.670	21.666	0.004	98	9849560	16.0	22.3	
110 Hexachlorobutadiene	225	21.830	21.826	0.004	88	7462421	16.0	19.7	
111 1,2,3-Trichlorobenzene	180	21.887	21.886	0.001	95	5515025	16.0	21.2	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	98	5433882	16.0	24.9	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	98	5494802	16.0	21.3	
A 115 C8 Range	1	14.930	(14.873-14.976)		0	12208538	16.0	18.1	
S 116 Xylenes, Total	100				0		48.0	48.9	
S 117 1,2-Dichloroethene, Total	1				0		32.0	32.9	

QC Flag Legend

Processing Flags

Reagents:

40L10DQP_00025

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:14

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC10B.D

Injection Date: 22-May-2021 09:12:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L10

Worklist Smp#: 3

Client ID:

Purge Vol: 500.000 mL

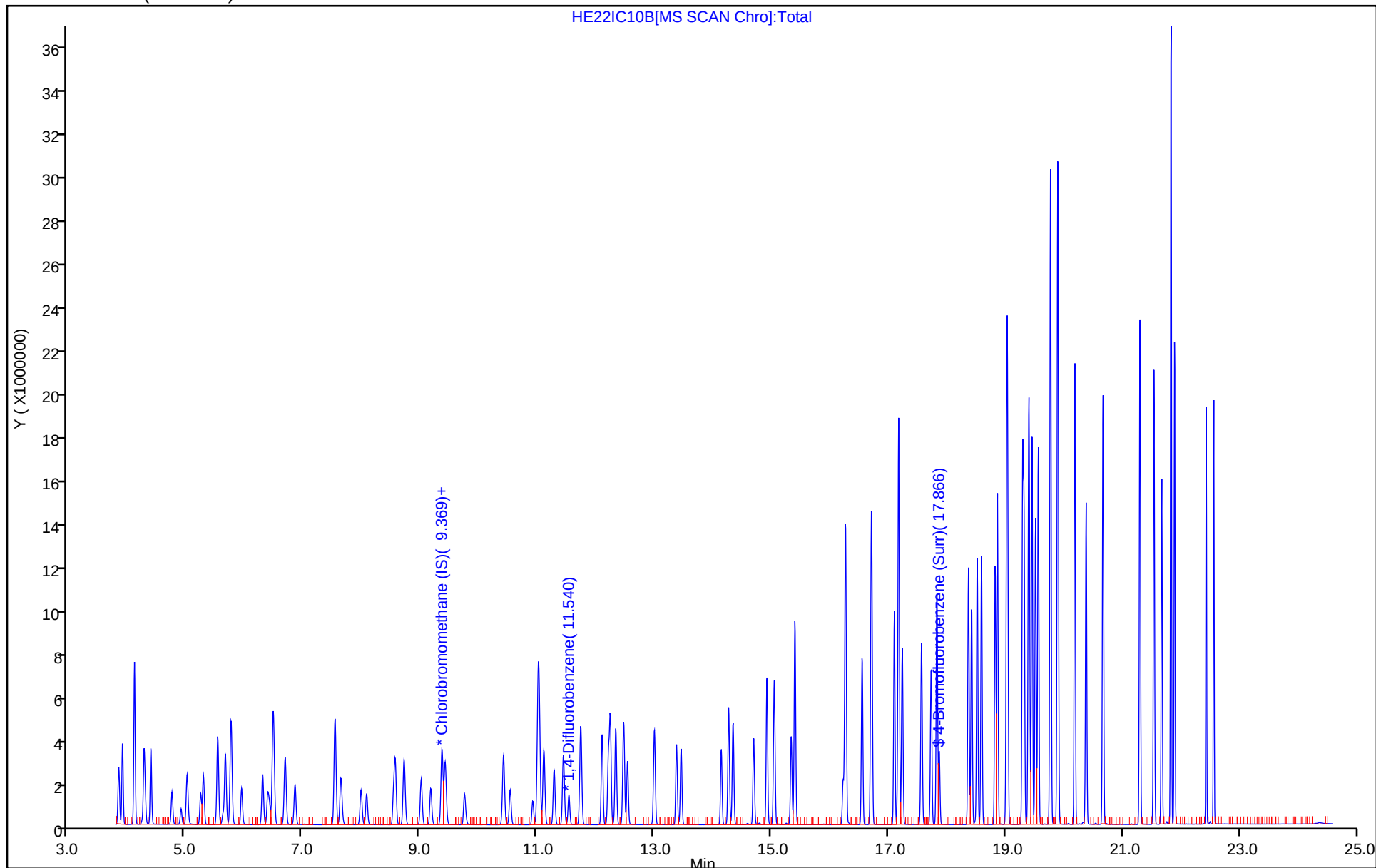
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 25-May-2021 13:48:14

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC10B.D

Injection Date: 22-May-2021 09:12:30

Instrument ID: MH

Lims ID: IC L10

Client ID:

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

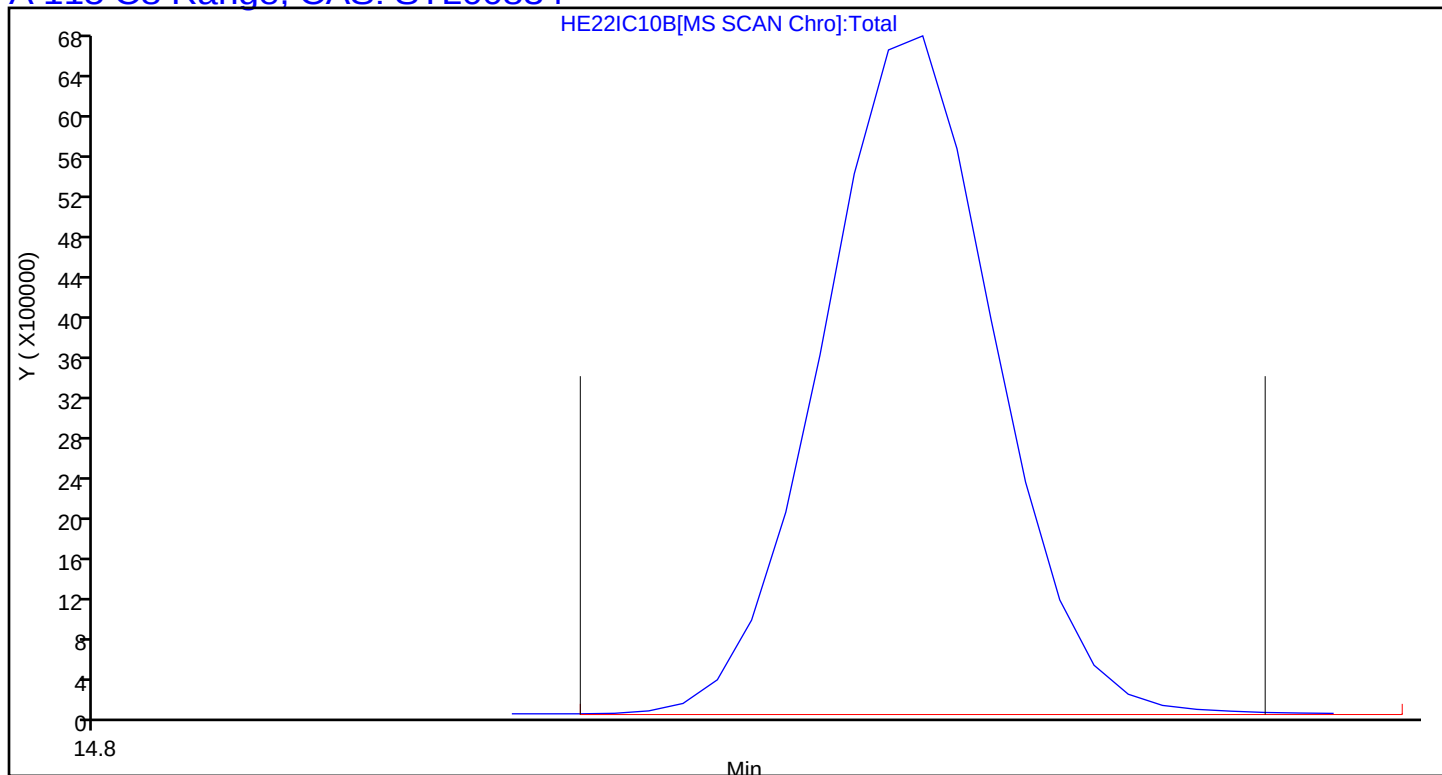
Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C09.D
 Lims ID: IC L9
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 22-May-2021 10:37:30 ALS Bottle#: 14 Worklist Smp#: 5
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-005
 Misc. Info.: 387535
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:19 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: tajh

Date: 22-May-2021 11:59:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.364	9.360	0.004	93	351908	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.539	11.535	0.004	94	1528336	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	85	1330216	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.865	17.863	0.002	96	1113999	4.64	4.85	
6 Chlorodifluoromethane	51	3.844	3.847	-0.003	97	1115789	8.00	7.72	
7 Propene	41	3.859	3.861	-0.002	98	499739	8.00	7.92	
8 Dichlorodifluoromethane	85	3.916	3.914	0.002	100	1950505	8.00	7.36	
9 Chloromethane	52	4.118	4.119	-0.001	56	179403	8.00	7.92	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.123	4.121	0.002	88	1505691	8.00	7.93	
11 Acetaldehyde	44	4.283	4.286	-0.003	90	1187160	40.0	40.0	
12 Vinyl chloride	62	4.304	4.304	0.000	99	644010	8.00	8.26	
14 Butadiene	54	4.402	4.401	0.001	72	463740	8.00	8.35	
13 Butane	43	4.402	4.400	0.002	82	943326	8.00	8.07	
15 Bromomethane	94	4.758	4.761	-0.003	98	690866	8.00	7.69	
16 Chloroethane	64	4.914	4.915	-0.001	87	246039	8.00	7.89	
17 Ethanol	31	5.012	5.011	0.001	98	1696806	40.0	45.3	
18 Vinyl bromide	106	5.249	5.250	-0.001	98	705916	8.00	7.88	
19 2-Methylbutane	43	5.296	5.297	-0.001	92	690700	8.00	8.28	
20 Trichlorofluoromethane	101	5.539	5.539	0.000	99	2041424	8.00	7.60	
21 Acrolein	56	5.554	5.556	-0.002	96	192449	8.00	8.16	
22 Acetonitrile	40	5.632	5.630	0.002	98	261219	8.00	8.54	
23 Acetone	58	5.673	5.681	-0.008	99	769301	24.0	22.7	
25 Isopropyl alcohol	45	5.756	5.761	-0.005	97	2378227	24.0	25.2	
24 Pentane	72	5.777	5.774	0.003	96	61109	8.00	7.53	
26 Ethyl ether	31	5.947	5.958	-0.011	92	660835	8.00	8.46	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	97	628488	8.00	7.95	
29 2-Methyl-2-propanol	59	6.392	6.403	-0.011	95	847411	8.00	8.68	
28 Acrylonitrile	53	6.428	6.427	0.001	93	405066	8.00	8.15	
30 112TCTFE	101	6.490	6.489	0.001	95	1556570	8.00	7.53	
31 Methylene Chloride	84	6.686	6.685	0.001	97	572667	8.00	6.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.702	6.698	0.004	98	535555	8.00	8.51	
33 Carbon disulfide	76	6.862	6.861	0.001	100	1775276	8.00	8.21	
34 trans-1,2-Dichloroethene	96	7.539	7.539	0.000	97	606347	8.00	8.13	
35 2-Methylpentane	43	7.544	7.547	-0.003	95	1282998	8.00	9.22	
36 Methyl tert-butyl ether	73	7.642	7.663	-0.021	95	1301456	8.00	8.81	
37 1,1-Dichloroethane	63	7.989	7.986	0.003	100	1120776	8.00	7.66	
38 Vinyl acetate	43	8.082	8.083	-0.001	100	1515097	8.00	9.05	
39 2-Butanone (MEK)	72	8.542	8.554	-0.012	97	248997	8.00	7.79	
40 Hexane	56	8.573	8.574	-0.001	88	405195	8.00	8.21	
41 Isopropyl ether	45	8.723	8.733	-0.010	96	1953620	8.00	9.66	
42 cis-1,2-Dichloroethene	96	9.012	9.012	0.000	95	637458	8.00	8.30	
43 Ethyl acetate	43	9.177	9.183	-0.006	98	1376211	8.00	8.46	
44 Chloroform	83	9.374	9.366	0.008	96	1474252	8.00	7.59	
45 Tert-butyl ethyl ether	59	9.426	9.436	-0.010	98	1580421	8.00	9.39	
46 Tetrahydrofuran	42	9.756	9.769	-0.013	93	640100	8.00	9.07	
47 1,1,1-Trichloroethane	97	10.423	10.419	0.004	97	1414682	8.00	7.75	
48 1,2-Dichloroethane	62	10.537	10.531	0.006	97	908888	8.00	7.80	
49 n-Butanol	31	10.919	10.930	-0.011	94	241383	8.00	9.35	
50 Cyclohexane	69	11.007	11.009	-0.002	92	248362	8.00	9.13	
51 Benzene	78	11.012	11.012	0.000	98	1708606	8.00	8.14	
52 Carbon tetrachloride	117	11.033	11.031	0.002	97	1741776	8.00	7.81	
53 2,3-Dimethylpentane	71	11.110	11.112	-0.002	93	353079	8.00	9.52	
54 Thiophene	84	11.286	11.284	0.002	96	1084128	8.00	9.01	
55 Isooctane	57	11.741	11.739	0.002	96	2748249	8.00	9.28	
56 n-Heptane	71	12.108	12.106	0.002	95	542032	8.00	9.75	
57 1,2-Dichloropropane	63	12.211	12.210	0.001	91	791446	8.00	8.41	
58 Trichloroethene	130	12.242	12.242	0.000	97	973786	8.00	8.08	
59 Dibromomethane	93	12.340	12.334	0.006	93	1004127	8.00	8.01	
61 1,4-Dioxane	88	12.465	12.478	-0.013	95	270368	8.00	9.41	
60 Dichlorobromomethane	83	12.475	12.471	0.004	99	1587576	8.00	8.28	
62 Methyl methacrylate	41	12.542	12.539	0.003	90	886475	8.00	9.60	
63 Methylcyclohexane	83	12.997	12.998	-0.001	95	1072355	8.00	8.17	
64 4-Methyl-2-pentanone (MIBK)	43	13.374	13.383	-0.009	98	1610009	8.00	9.53	
65 cis-1,3-Dichloropropene	75	13.457	13.452	0.005	97	1105373	8.00	9.41	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	99	1006011	8.00	9.88	
67 Toluene	91	14.268	14.266	0.002	92	2373505	8.00	7.96	
68 1,1,2-Trichloroethane	83	14.341	14.341	0.000	96	821188	8.00	7.77	
69 2-Hexanone	58	14.697	14.705	-0.008	90	715841	8.00	10.1	
70 n-Octane	85	14.925	14.924	0.001	97	595417	8.00	8.18	
71 Chlorodibromomethane	129	15.044	15.043	0.001	98	2051150	8.00	8.38	
72 Ethylene Dibromide	107	15.338	15.335	0.003	98	1558466	8.00	8.46	
73 Tetrachloroethene	129	15.400	15.398	0.002	96	1062397	8.00	8.05	
75 2,3-Dimethylheptane	43	16.258	16.258	0.000	93	2363366	8.00	8.52	
74 Chlorobenzene	112	16.268	16.269	-0.001	95	2020953	8.00	7.40	
76 Ethylbenzene	91	16.548	16.547	0.001	98	3148647	8.00	7.78	
77 m-Xylene & p-Xylene	91	16.708	16.707	0.001	99	5127896	16.0	15.1	
78 n-Nonane	57	17.101	17.098	0.003	95	1449677	8.00	8.26	
80 Styrene	104	17.173	17.171	0.002	82	1900017	8.00	7.88	
79 Bromoform	173	17.173	17.171	0.002	95	2822167	8.00	7.16	
81 o-Xylene	91	17.235	17.231	0.004	98	2786680	8.00	7.64	
82 1,1,2,2-Tetrachloroethane	83	17.561	17.562	-0.001	99	2298674	8.00	8.11	
83 1,2,3-Trichloropropane	110	17.726	17.727	-0.001	97	507178	8.00	8.36	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.824	17.825	-0.001	96	3799519	8.00	9.32	
85 N-Propylbenzene	120	18.367	18.365	0.002	99	1063120	8.00	9.46	
86 2-Chlorotoluene	126	18.418	18.418	0.000	97	1096426	8.00	8.40	
87 4-Ethyltoluene	105	18.517	18.514	0.003	98	4065016	8.00	9.04	
88 1,3,5-Trimethylbenzene	120	18.589	18.586	0.003	91	1606249	8.00	7.63	
89 Alpha Methyl Styrene	118	18.822	18.821	0.001	89	1806458	8.00	8.10	
90 n-Decane	57	18.858	18.859	-0.001	88	2320311	8.00	8.41	
91 tert-Butylbenzene	119	19.018	19.018	0.000	91	3763548	8.00	8.66	
92 1,2,4-Trimethylbenzene	105	19.034	19.031	0.003	97	3751889	8.00	7.91	
93 sec-Butylbenzene	105	19.292	19.288	0.004	99	5328589	8.00	9.13	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	98	2842834	8.00	8.26	
95 Benzyl chloride	91	19.390	19.387	0.003	99	3202574	8.00	9.45	
96 1,4-Dichlorobenzene	146	19.400	19.401	-0.001	96	2794222	8.00	8.56	
97 4-Isopropyltoluene	119	19.452	19.449	0.003	96	4473808	8.00	7.95	
98 1,2,3-Trimethylbenzene	105	19.509	19.511	-0.002	99	3855978	8.00	7.97	
99 Butylcyclohexane	83	19.556	19.557	-0.001	93	2988003	8.00	9.03	
101 2,3-Dihydroindene	117	19.762	19.762	0.000	93	3755941	8.00	9.40	
100 1,2-Dichlorobenzene	146	19.767	19.768	-0.001	97	2867740	8.00	8.13	
103 n-Butylbenzene	91	19.886	19.888	-0.002	95	5147720	8.00	8.81	
102 Indene	116	19.897	19.896	0.001	88	3223753	8.00	8.57	
104 Undecane	57	20.181	20.182	-0.001	93	2988953	8.00	8.68	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	98	1843074	8.00	9.44	
106 1,2,4,5-Tetramethylbenzene	119	20.662	20.664	-0.002	96	4648305	8.00	7.90	
107 Dodecane	57	21.292	21.294	-0.002	92	3247648	8.00	8.80	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	93	2887062	8.00	10.5	
109 Naphthalene	128	21.664	21.666	-0.002	99	4604463	8.00	9.48	
110 Hexachlorobutadiene	225	21.824	21.826	-0.002	89	3548096	8.00	8.52	
111 1,2,3-Trichlorobenzene	180	21.886	21.886	0.000	95	2497650	8.00	8.72	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	98	2299719	8.00	9.59	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	98	2439547	8.00	8.59	
A 115 C8 Range	1	14.925	(14.873-14.966)		0	6477956	8.00	8.47	
S 116 Xylenes, Total	100				0		24.0	22.7	
S 117 1,2-Dichloroethene, Total	1				0		16.0	16.4	

QC Flag Legend

Processing Flags

Reagents:

40L9DQP_00025

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:19

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C09.D

Injection Date: 22-May-2021 10:37:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L9

Worklist Smp#: 5

Client ID:

Purge Vol: 500.000 mL

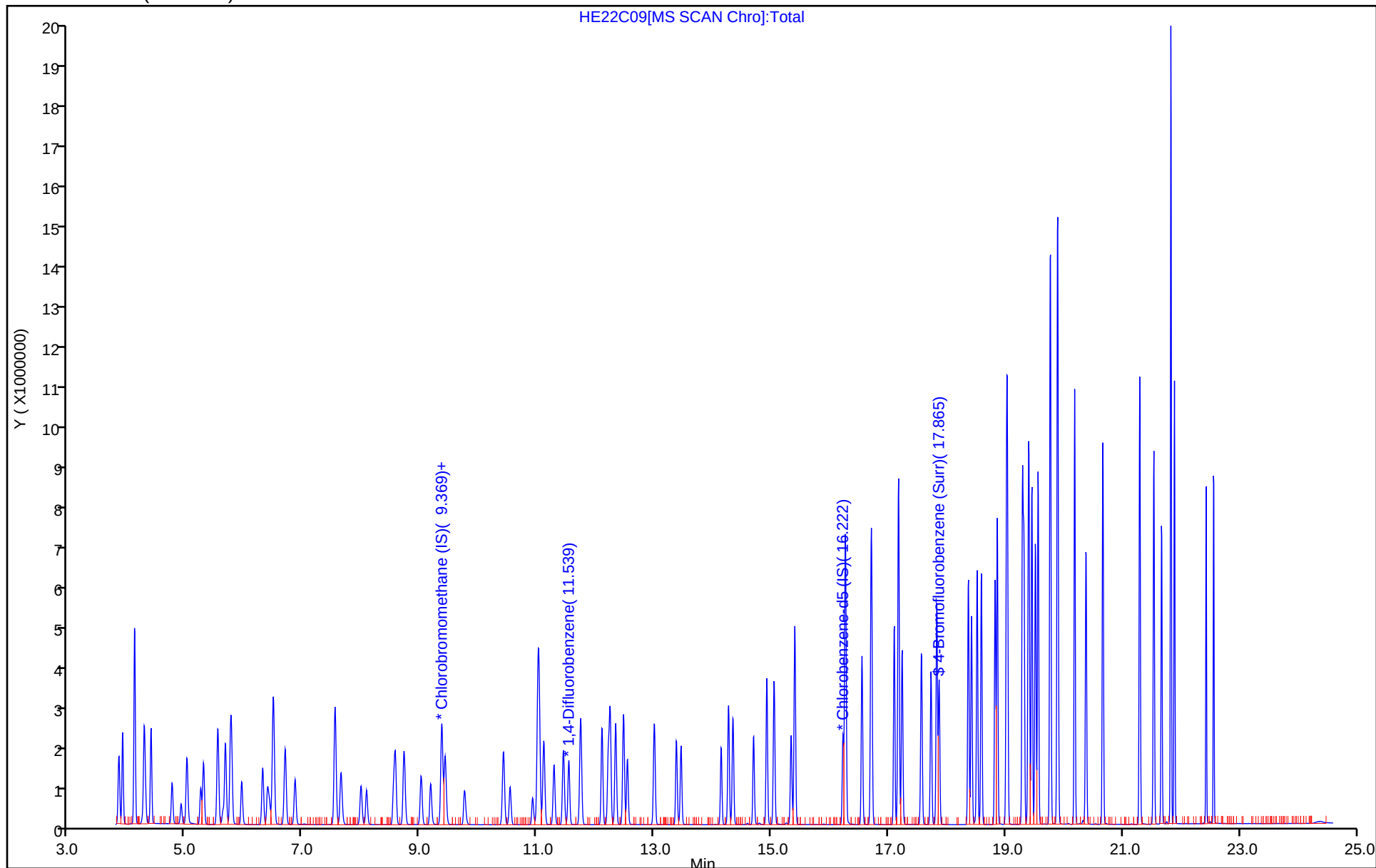
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 25-May-2021 13:48:19

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C09.D

Injection Date: 22-May-2021 10:37:30

Instrument ID: MH

Lims ID: IC L9

Client ID:

Operator ID: HMT

ALS Bottle#: 14

Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

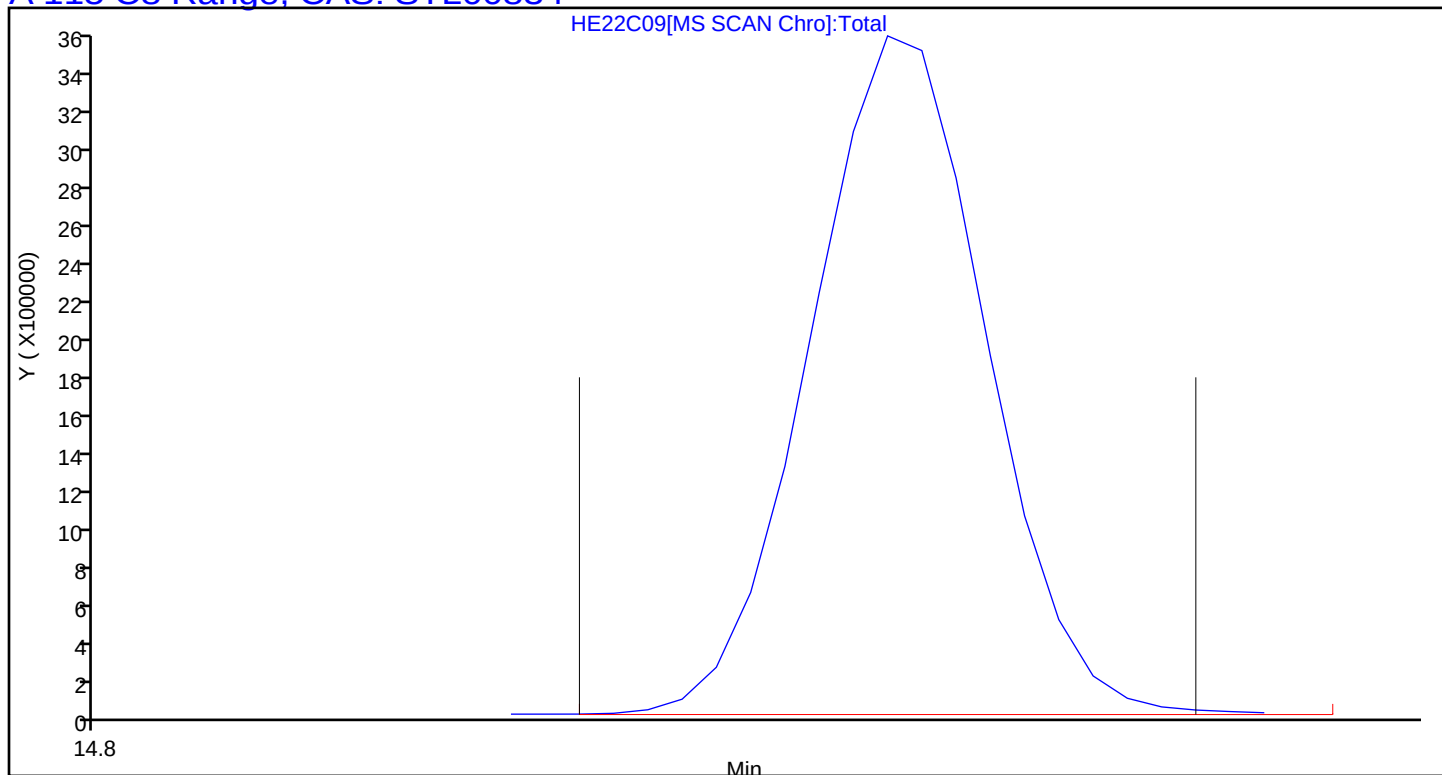
Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C08.D
 Lims ID: IC L8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 22-May-2021 12:03:30 ALS Bottle#: 15 Worklist Smp#: 7
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-007
 Misc. Info.: 387536
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:24 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 24-May-2021 10:27:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.364	9.360	0.004	89	334622	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.535	-0.001	94	1448713	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	86	1207386	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.860	17.863	-0.003	96	1004625	4.64	4.82	
6 Chlorodifluoromethane	51	3.844	3.847	-0.003	97	534876	4.00	3.89	
7 Propene	41	3.859	3.861	-0.002	98	246432	4.00	4.11	
8 Dichlorodifluoromethane	85	3.916	3.914	0.002	100	943313	4.00	3.75	
9 Chloromethane	52	4.118	4.119	-0.001	53	85164	4.00	3.95	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.118	4.121	-0.003	88	732183	4.00	4.05	
11 Acetaldehyde	44	4.283	4.286	-0.003	90	564505	20.0	20.0	
12 Vinyl chloride	62	4.304	4.304	0.000	99	307685	4.00	4.15	
14 Butadiene	54	4.402	4.401	0.001	85	216503	4.00	4.10	
13 Butane	43	4.397	4.400	-0.003	92	442276	4.00	3.98	
15 Bromomethane	94	4.759	4.761	-0.002	97	325627	4.00	3.81	
16 Chloroethane	64	4.914	4.915	-0.001	83	117960	4.00	3.98	
17 Ethanol	31	5.007	5.011	-0.004	98	806444	20.0	22.6	
18 Vinyl bromide	106	5.250	5.250	0.000	98	338377	4.00	3.97	
19 2-Methylbutane	43	5.296	5.297	-0.001	93	335859	4.00	4.23	
20 Trichlorofluoromethane	101	5.539	5.539	0.000	99	981672	4.00	3.84	
21 Acrolein	56	5.554	5.556	-0.002	95	91781	4.00	4.09	
22 Acetonitrile	40	5.627	5.630	-0.003	98	123541	4.00	4.25	
23 Acetone	58	5.673	5.681	-0.008	99	372221	12.0	11.5	
25 Isopropyl alcohol	45	5.751	5.761	-0.010	95	1156882	12.0	12.9	
24 Pentane	72	5.777	5.774	0.003	97	31608	4.00	4.10	
26 Ethyl ether	31	5.947	5.958	-0.011	91	314342	4.00	4.23	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	98	297750	4.00	3.96	
29 2-Methyl-2-propanol	59	6.387	6.403	-0.016	95	406563	4.00	4.38	
28 Acrylonitrile	53	6.423	6.427	-0.004	93	198321	4.00	4.20	
30 112TCTFE	101	6.490	6.489	0.001	95	758907	4.00	3.86	
31 Methylene Chloride	84	6.686	6.685	0.001	97	276957	4.00	3.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.697	6.698	-0.001	98	251424	4.00	4.20	
33 Carbon disulfide	76	6.862	6.861	0.001	100	838794	4.00	4.08	
34 trans-1,2-Dichloroethene	96	7.539	7.539	0.000	96	290276	4.00	4.10	
35 2-Methylpentane	43	7.544	7.547	-0.003	95	612162	4.00	4.63	
36 Methyl tert-butyl ether	73	7.648	7.663	-0.015	96	616592	4.00	4.39	
37 1,1-Dichloroethane	63	7.984	7.986	-0.002	100	530620	4.00	3.81	
38 Vinyl acetate	43	8.082	8.083	-0.001	100	690252	4.00	4.34	
39 2-Butanone (MEK)	72	8.542	8.554	-0.012	97	119218	4.00	3.92	
40 Hexane	56	8.573	8.574	-0.001	89	194918	4.00	4.15	
41 Isopropyl ether	45	8.723	8.733	-0.010	96	907740	4.00	4.72	
42 cis-1,2-Dichloroethene	96	9.012	9.012	0.000	94	304856	4.00	4.17	
43 Ethyl acetate	43	9.178	9.183	-0.005	98	638831	4.00	4.13	
44 Chloroform	83	9.364	9.366	-0.002	96	707124	4.00	3.83	
45 Tert-butyl ethyl ether	59	9.426	9.436	-0.010	98	742102	4.00	4.64	
46 Tetrahydrofuran	42	9.756	9.769	-0.013	91	298821	4.00	4.45	
47 1,1,1-Trichloroethane	97	10.418	10.419	-0.001	97	668428	4.00	3.85	
48 1,2-Dichloroethane	62	10.532	10.531	0.001	97	424413	4.00	3.84	
49 n-Butanol	31	10.919	10.930	-0.011	94	109243	4.00	4.47	
50 Cyclohexane	69	11.002	11.009	-0.007	92	119929	4.00	4.65	
51 Benzene	78	11.012	11.012	0.000	98	822630	4.00	4.13	
52 Carbon tetrachloride	117	11.033	11.031	0.002	97	822863	4.00	3.89	
53 2,3-Dimethylpentane	71	11.110	11.112	-0.002	92	165085	4.00	4.70	
54 Thiophene	84	11.286	11.284	0.002	95	506214	4.00	4.44	
55 Isooctane	57	11.741	11.739	0.002	96	1276837	4.00	4.55	
56 n-Heptane	71	12.103	12.106	-0.003	94	251210	4.00	4.77	
57 1,2-Dichloropropane	63	12.211	12.210	0.001	91	365805	4.00	4.10	
58 Trichloroethene	130	12.242	12.242	0.000	98	457677	4.00	4.01	
59 Dibromomethane	93	12.335	12.334	0.001	93	473114	4.00	3.98	
61 1,4-Dioxane	88	12.465	12.478	-0.013	96	125586	4.00	4.61	
60 Dichlorobromomethane	83	12.470	12.471	-0.001	99	743850	4.00	4.09	
62 Methyl methacrylate	41	12.537	12.539	-0.002	91	394675	4.00	4.51	
63 Methylcyclohexane	83	12.997	12.998	-0.001	95	489699	4.00	3.98	
64 4-Methyl-2-pentanone (MIBK)	43	13.374	13.383	-0.009	98	732026	4.00	4.57	
65 cis-1,3-Dichloropropene	75	13.452	13.452	0.000	96	508666	4.00	4.57	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	99	435421	4.00	4.71	
67 Toluene	91	14.268	14.266	0.002	90	1093600	4.00	4.04	
68 1,1,2-Trichloroethane	83	14.341	14.341	0.000	96	383052	4.00	3.99	
69 2-Hexanone	58	14.692	14.705	-0.013	90	313763	4.00	4.87	
70 n-Octane	85	14.920	14.924	-0.004	96	275707	4.00	4.23	
71 Chlorodibromomethane	129	15.044	15.043	0.001	97	938705	4.00	4.23	
72 Ethylene Dibromide	107	15.333	15.335	-0.002	98	703137	4.00	4.21	
73 Tetrachloroethene	129	15.400	15.398	0.002	97	503924	4.00	4.21	
75 2,3-Dimethylheptane	43	16.258	16.258	0.000	94	1076060	4.00	4.27	
74 Chlorobenzene	112	16.269	16.269	0.000	96	971130	4.00	3.92	
76 Ethylbenzene	91	16.548	16.547	0.001	98	1428487	4.00	3.89	
77 m-Xylene & p-Xylene	91	16.708	16.707	0.001	98	2329473	8.00	7.55	
78 n-Nonane	57	17.095	17.098	-0.003	94	653890	4.00	4.16	
80 Styrene	104	17.173	17.171	0.002	94	861885	4.00	4.13	
79 Bromoform	173	17.173	17.171	0.002	95	1241649	4.00	3.47	
81 o-Xylene	91	17.230	17.231	-0.001	98	1258471	4.00	3.80	
82 1,1,2,2-Tetrachloroethane	83	17.561	17.562	-0.001	99	1047596	4.00	4.07	
83 1,2,3-Trichloropropane	110	17.726	17.727	-0.001	97	227622	4.00	4.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.824	17.825	-0.001	96	1706843	4.00	4.61	
85 N-Propylbenzene	120	18.362	18.365	-0.003	99	476369	4.00	4.67	
86 2-Chlorotoluene	126	18.419	18.418	0.001	97	509511	4.00	4.30	
87 4-Ethyltoluene	105	18.512	18.514	-0.002	99	1838004	4.00	4.50	
88 1,3,5-Trimethylbenzene	120	18.584	18.586	-0.002	92	739771	4.00	3.90	
89 Alpha Methyl Styrene	118	18.822	18.821	0.001	89	800492	4.00	4.02	
90 n-Decane	57	18.858	18.859	-0.001	88	1038663	4.00	4.15	
91 tert-Butylbenzene	119	19.018	19.018	0.000	90	1700258	4.00	4.31	
92 1,2,4-Trimethylbenzene	105	19.028	19.031	-0.003	96	1683334	4.00	3.93	
93 sec-Butylbenzene	105	19.287	19.288	-0.001	99	2391039	4.00	4.52	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	97	1265318	4.00	4.05	
95 Benzyl chloride	91	19.385	19.387	-0.002	98	1355182	4.00	4.41	
96 1,4-Dichlorobenzene	146	19.401	19.401	0.000	96	1247000	4.00	4.21	
97 4-Isopropyltoluene	119	19.447	19.449	-0.002	96	2026623	4.00	4.00	
98 1,2,3-Trimethylbenzene	105	19.509	19.511	-0.002	99	1736905	4.00	3.98	
99 Butylcyclohexane	83	19.556	19.557	-0.001	94	1356143	4.00	4.51	
101 2,3-Dihydroindene	117	19.762	19.762	0.000	93	1666254	4.00	4.60	
100 1,2-Dichlorobenzene	146	19.768	19.768	0.000	99	1283741	4.00	4.01	
103 n-Butylbenzene	91	19.886	19.888	-0.002	96	2280198	4.00	4.30	
102 Indene	116	19.897	19.896	0.001	88	1445665	4.00	4.23	
104 Undecane	57	20.181	20.182	-0.001	93	1322052	4.00	4.23	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	96	813011	4.00	4.59	
106 1,2,4,5-Tetramethylbenzene	119	20.662	20.664	-0.002	97	2034405	4.00	4.12	
107 Dodecane	57	21.292	21.294	-0.002	92	1414744	4.00	4.22	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	94	1228362	4.00	4.91	
109 Naphthalene	128	21.664	21.666	-0.002	99	1926861	4.00	4.37	
110 Hexachlorobutadiene	225	21.830	21.826	0.004	91	1471700	4.00	3.89	
111 1,2,3-Trichlorobenzene	180	21.887	21.886	0.001	95	1053152	4.00	4.05	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	97	795458	4.00	3.65	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	98	945221	4.00	3.67	
A 115 C8 Range	1	14.920	(14.873-14.966)		0	2990927	4.00	4.12	
S 116 Xylenes, Total	100				0		12.0	11.3	
S 117 1,2-Dichloroethene, Total	1				0		8.00	8.27	

QC Flag Legend

Processing Flags

Reagents:

40L8DQP_00024

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:24

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C08.D

Injection Date: 22-May-2021 12:03:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L8

Worklist Smp#: 7

Client ID:

Purge Vol: 500.000 mL

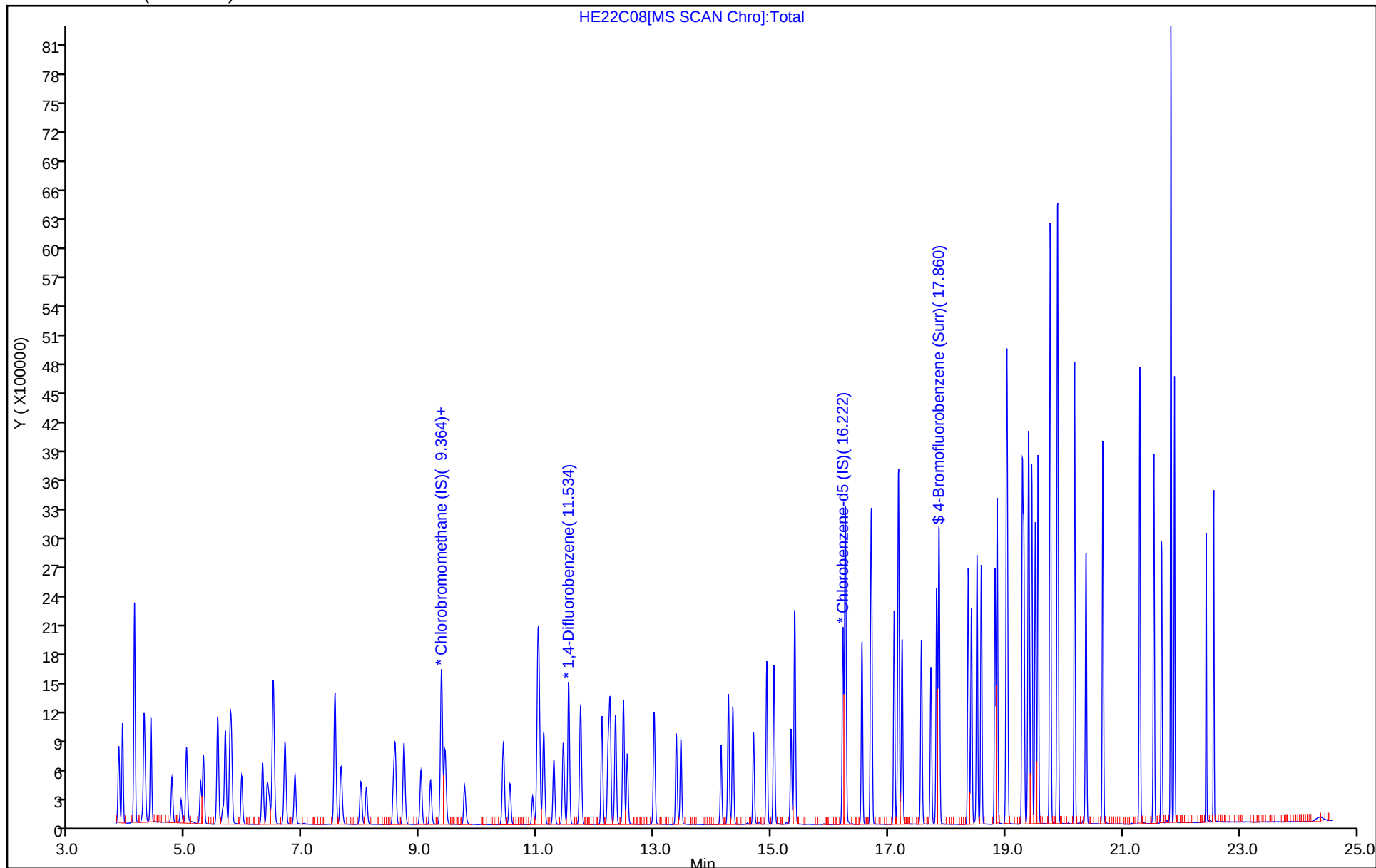
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 25-May-2021 13:48:24

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C08.D

Injection Date: 22-May-2021 12:03:30

Instrument ID: MH

Lims ID: IC L8

Client ID:

Operator ID: HMT

ALS Bottle#:

15

Worklist Smp#:

7

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

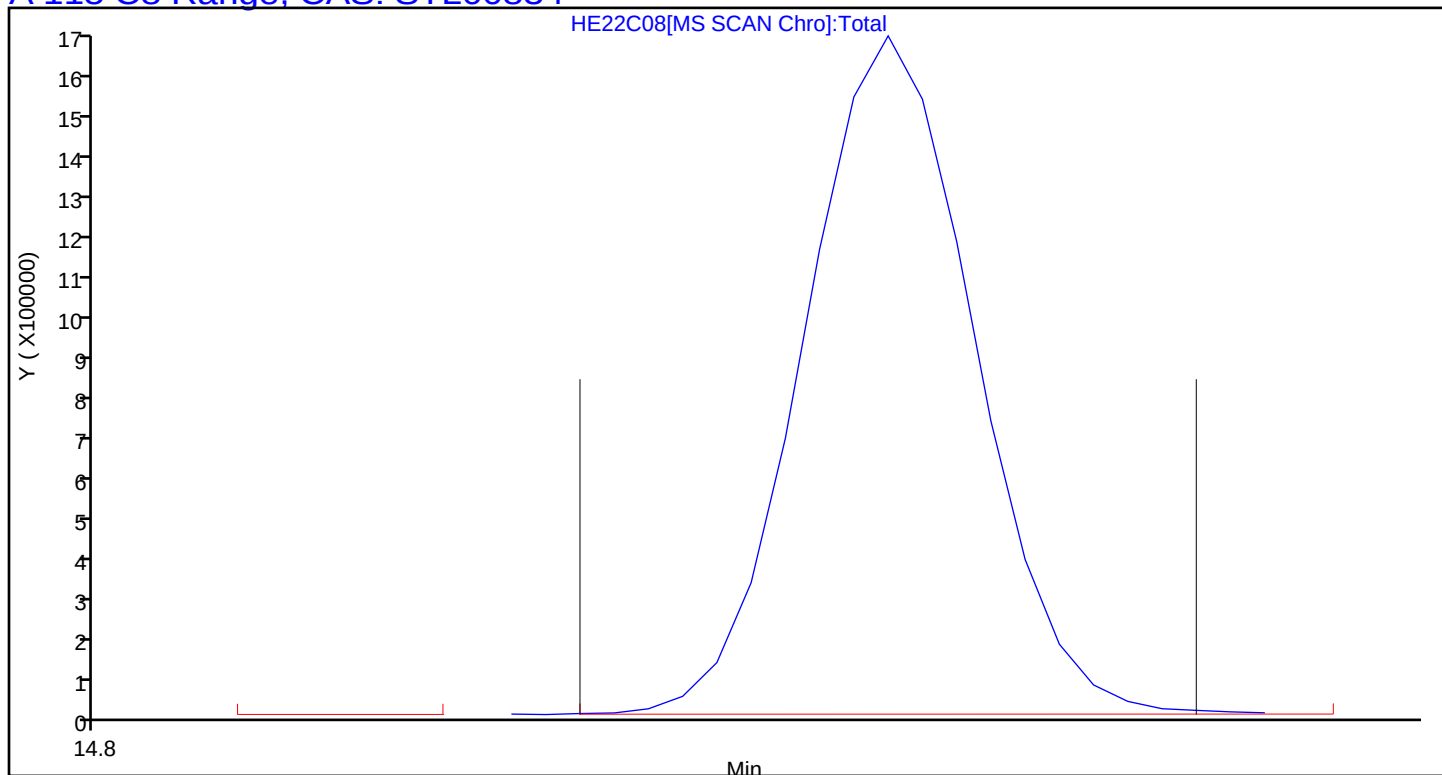
MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector

MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C01.D
 Lims ID: IC L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 22-May-2021 13:29:30 ALS Bottle#: 1 Worklist Smp#: 9
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-009
 Misc. Info.: 387801
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:29 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 24-May-2021 10:26:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.353	9.360	-0.007	87	282938	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.535	-0.001	94	1197345	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	86	948567	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.865	17.863	0.002	96	683457	4.64	4.17	
6 Chlorodifluoromethane	51	3.854	3.847	0.007	94	3159	0.0200	0.0272	
7 Propene	41	3.859	3.861	-0.002	88	1876	0.0200	0.0370	
8 Dichlorodifluoromethane	85	3.916	3.914	0.002	99	5327	0.0200	0.0250	
9 Chloromethane	52	4.118	4.119	-0.001	53	1391	0.0200	0.0764	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.128	4.121	0.007	87	3867	0.0200	0.0253	
12 Vinyl chloride	62	4.304	4.304	0.000	91	2098	0.0200	0.0335	
13 Butane	43	4.402	4.400	0.002	71	2475	0.0200	0.0263	
14 Butadiene	54	4.402	4.401	0.001	70	2171	0.0200	0.0486	
15 Bromomethane	94	4.758	4.761	-0.003	69	2422	0.0200	0.0335	
16 Chloroethane	64	4.908	4.915	-0.007	23	572	0.0200	0.0228	
17 Ethanol	31	5.022	5.011	0.011	88	5231	0.1000	0.1736	
18 Vinyl bromide	106	5.255	5.250	0.005	79	2169	0.0200	0.0301	
19 2-Methylbutane	43	5.296	5.297	-0.001	63	1540	0.0200	0.0229	
20 Trichlorofluoromethane	101	5.534	5.539	-0.005	98	5519	0.0200	0.0256	
21 Acrolein	56	5.560	5.556	0.004	27	439	0.0200	0.0232	
23 Acetone	58	5.694	5.681	0.013	99	4307	0.0600	0.1580	
25 Isopropyl alcohol	45	5.777	5.761	0.016	82	5447	0.0600	0.0717	
24 Pentane	72	5.761	5.774	-0.013	15	160	0.0200	0.0245	
26 Ethyl ether	31	5.968	5.958	0.010	76	2521	0.0200	0.0401	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	72	1555	0.0200	0.0245	
29 2-Methyl-2-propanol	59	6.433	6.403	0.030	61	2908	0.0200	0.0371	
28 Acrylonitrile	53	6.433	6.427	0.006	41	1818	0.0200	0.0455	
30 112TCTFE	101	6.485	6.489	-0.004	90	4064	0.0200	0.0244	
31 Methylene Chloride	84	6.686	6.685	0.001	88	2815	0.0200	0.0424	
32 3-Chloro-1-propene	39	6.686	6.698	-0.012	23	778	0.0200	0.0154	
33 Carbon disulfide	76	6.857	6.861	-0.004	91	4684	0.0200	0.0269	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 trans-1,2-Dichloroethene	96	7.534	7.539	-0.005	89	1674	0.0200	0.0279	
35 2-Methylpentane	43	7.544	7.547	-0.003	87	2905	0.0200	0.0260	
36 Methyl tert-butyl ether	73	7.689	7.663	0.026	79	2808	0.0200	0.0236	
37 1,1-Dichloroethane	63	7.984	7.986	-0.002	57	2271	0.0200	0.0193	
38 Vinyl acetate	43	8.082	8.083	-0.001	83	2782	0.0200	0.0207	
39 2-Butanone (MEK)	72	8.583	8.554	0.029	91	1282	0.0200	0.0499	
40 Hexane	56	8.568	8.574	-0.006	60	1756	0.0200	0.0442	
41 Isopropyl ether	45	8.748	8.733	0.015	88	3597	0.0200	0.0221	
42 cis-1,2-Dichloroethene	96	9.007	9.012	-0.005	61	1758	0.0200	0.0285	
43 Ethyl acetate	43	9.198	9.183	0.015	93	3745	0.0200	0.0286	
44 Chloroform	83	9.358	9.366	-0.008	28	4296	0.0200	0.0275	
45 Tert-butyl ethyl ether	59	9.446	9.436	0.010	61	3139	0.0200	0.0232	
46 Tetrahydrofuran	42	9.787	9.769	0.018	51	1994	0.0200	0.0351	
47 1,1,1-Trichloroethane	97	10.418	10.419	-0.001	95	3342	0.0200	0.0228	
48 1,2-Dichloroethane	62	10.526	10.531	-0.005	84	3194	0.0200	0.0350	
50 Cyclohexane	69	11.007	11.009	-0.002	48	803	0.0200	0.0377	
51 Benzene	78	11.007	11.012	-0.005	95	4544	0.0200	0.0276	
52 Carbon tetrachloride	117	11.033	11.031	0.002	90	3865	0.0200	0.0221	
53 2,3-Dimethylpentane	71	11.116	11.112	0.004	58	602	0.0200	0.0207	
54 Thiophene	84	11.286	11.284	0.002	60	2318	0.0200	0.0246	
55 Isooctane	57	11.736	11.739	-0.003	91	4255	0.0200	0.0183	
56 n-Heptane	71	12.103	12.106	-0.003	54	620	0.0200	0.0142	
57 1,2-Dichloropropane	63	12.211	12.210	0.001	75	2039	0.0200	0.0277	
58 Trichloroethene	130	12.237	12.242	-0.005	92	2214	0.0200	0.0234	
59 Dibromomethane	93	12.330	12.334	-0.004	90	2993	0.0200	0.0305	
61 1,4-Dioxane	88	12.501	12.478	0.023	53	1002	0.0200	0.0445	
60 Dichlorobromomethane	83	12.470	12.471	-0.001	97	4096	0.0200	0.0273	
62 Methyl methacrylate	41	12.527	12.539	-0.012	1	1192	0.0200	0.0165	
63 Methylcyclohexane	83	12.997	12.998	-0.001	86	1470	0.0200	0.0921	
64 4-Methyl-2-pentanone (MIBK)	43	13.400	13.383	0.017	64	2583	0.0200	0.0195	
65 cis-1,3-Dichloropropene	75	13.457	13.452	0.005	65	2214	0.0200	0.0241	
66 trans-1,3-Dichloropropene	75	14.134	14.139	-0.005	40	1538	0.0200	0.0212	
67 Toluene	91	14.263	14.266	-0.003	92	3685	0.0200	0.0173	
68 1,1,2-Trichloroethane	83	14.346	14.341	0.005	92	2323	0.0200	0.0308	
69 2-Hexanone	58	14.718	14.705	0.013	74	1300	0.0200	0.0257	
70 n-Octane	85	14.925	14.924	0.001	77	428	0.0200	0.1126	
71 Chlorodibromomethane	129	15.038	15.043	-0.005	94	4097	0.0200	0.0235	
72 Ethylene Dibromide	107	15.338	15.335	0.003	96	3173	0.0200	0.0242	
73 Tetrachloroethene	129	15.390	15.398	-0.008	93	2590	0.0200	0.0275	
75 2,3-Dimethylheptane	43	16.253	16.258	-0.005	46	5475	0.0200	0.0277	
74 Chlorobenzene	112	16.274	16.269	0.005	47	6113	0.0200	0.0314	
76 Ethylbenzene	91	16.548	16.547	0.001	94	4480	0.0200	0.0155	
77 m-Xylene & p-Xylene	91	16.708	16.707	0.001	95	6933	0.0400	0.0286	
78 n-Nonane	57	17.095	17.098	-0.003	66	1663	0.0200	0.1218	
80 Styrene	104	17.173	17.171	0.002	72	2416	0.0200	0.0356	
79 Bromoform	173	17.168	17.171	-0.003	92	4300	0.0200	0.0153	
81 o-Xylene	91	17.225	17.231	-0.006	94	3599	0.0200	0.0138	
82 1,1,2,2-Tetrachloroethane	83	17.561	17.562	-0.001	92	5249	0.0200	0.0260	
83 1,2,3-Trichloropropane	110	17.731	17.727	0.004	93	1265	0.0200	0.0292	
84 Isopropylbenzene	105	17.829	17.825	0.004	66	3558	0.0200	0.0122	
85 N-Propylbenzene	120	18.367	18.365	0.002	98	981	0.0200	0.0122	
86 2-Chlorotoluene	126	18.413	18.418	-0.005	94	1603	0.0200	0.0172	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	18.506	18.514	-0.008	96	4001	0.0200	0.0125	
88 1,3,5-Trimethylbenzene	120	18.574	18.586	-0.012	89	1673	0.0200	0.0731	
89 Alpha Methyl Styrene	118	18.816	18.821	-0.005	87	1208	0.0200	0.1340	
90 n-Decane	57	18.863	18.859	0.004	78	1724	0.0200	0.008765	
91 tert-Butylbenzene	119	19.008	19.018	-0.010	81	3782	0.0200	0.0122	
92 1,2,4-Trimethylbenzene	105	19.028	19.031	-0.003	79	3326	0.0200	0.0574	
93 sec-Butylbenzene	105	19.287	19.288	-0.001	94	4728	0.0200	0.0114	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	96	5666	0.0200	0.0231	
95 Benzyl chloride	91	19.390	19.387	0.003	96	3292	0.0200	0.0136	
96 1,4-Dichlorobenzene	146	19.400	19.401	-0.001	95	5223	0.0200	0.0224	
97 4-Isopropyltoluene	119	19.447	19.449	-0.002	87	3419	0.0200	0.0623	
98 1,2,3-Trimethylbenzene	105	19.514	19.511	0.003	95	2718	0.0200	0.0574	
99 Butylcyclohexane	83	19.556	19.557	-0.001	88	1989	0.0200	0.008426	
101 2,3-Dihydroindene	117	19.757	19.762	-0.005	71	3151	0.0200	0.0111	
100 1,2-Dichlorobenzene	146	19.773	19.768	0.005	91	5428	0.0200	0.0216	
103 n-Butylbenzene	91	19.891	19.888	0.003	92	5110	0.0200	0.0123	
102 Indene	116	19.897	19.896	0.001	76	2571	0.0200	0.009585	
104 Undecane	57	20.181	20.182	-0.001	80	1209	0.0200	0.004926	
105 1,2-Dibromo-3-Chloropropane	157	20.382	20.377	0.005	89	2257	0.0200	0.0162	
106 1,2,4,5-Tetramethylbenzene	119	20.662	20.664	-0.002	93	2758	0.0200	0.0573	
107 Dodecane	57	21.292	21.294	-0.002	84	1562	0.0200	0.005935	
108 1,2,4-Trichlorobenzene	180	21.540	21.535	0.005	93	3488	0.0200	0.0177	
109 Naphthalene	128	21.669	21.666	0.003	97	4671	0.0200	0.0135	
110 Hexachlorobutadiene	225	21.830	21.826	0.004	91	7180	0.0200	0.0242	
111 1,2,3-Trichlorobenzene	180	21.886	21.886	0.000	91	4190	0.0200	0.0205	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	84	1070	0.0200	0.006254	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	92	2595	0.0200	0.0128	
A 115 C8 Range	1	14.914	(14.883-14.935)		0	14612	0.0200	0.0244	
S 116 Xylenes, Total	100				0		0.0600	0.0424	
S 117 1,2-Dichloroethene, Total	1				0		0.0400	0.0564	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00042

Amount Added: 50.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:29

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C01.D

Injection Date: 22-May-2021 13:29:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L1

Worklist Smp#: 9

Client ID:

Purge Vol: 500.000 mL

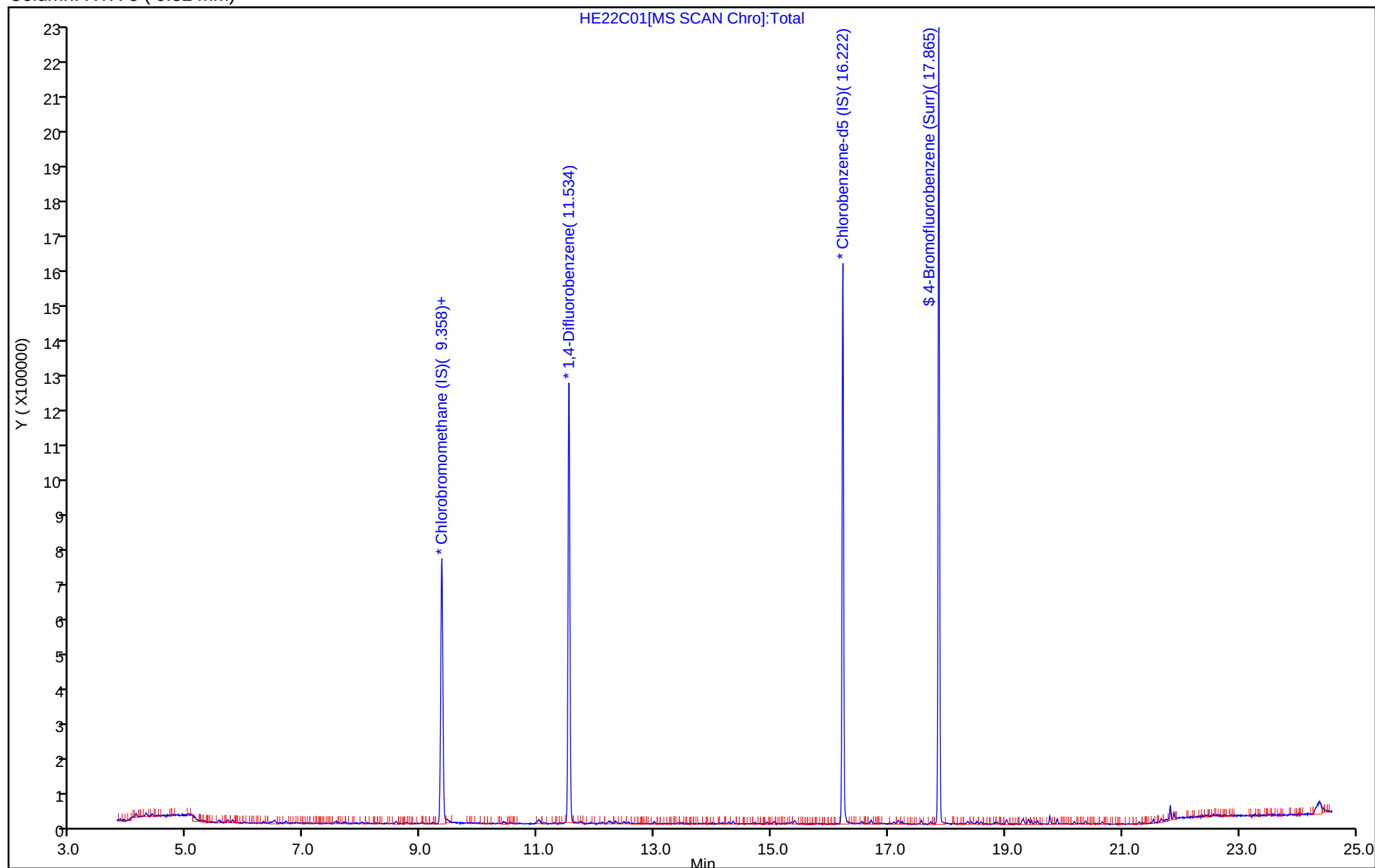
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C01.D

Injection Date: 22-May-2021 13:29:30

Instrument ID: MH

Lims ID: IC L1

Client ID:

Operator ID: HMT

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

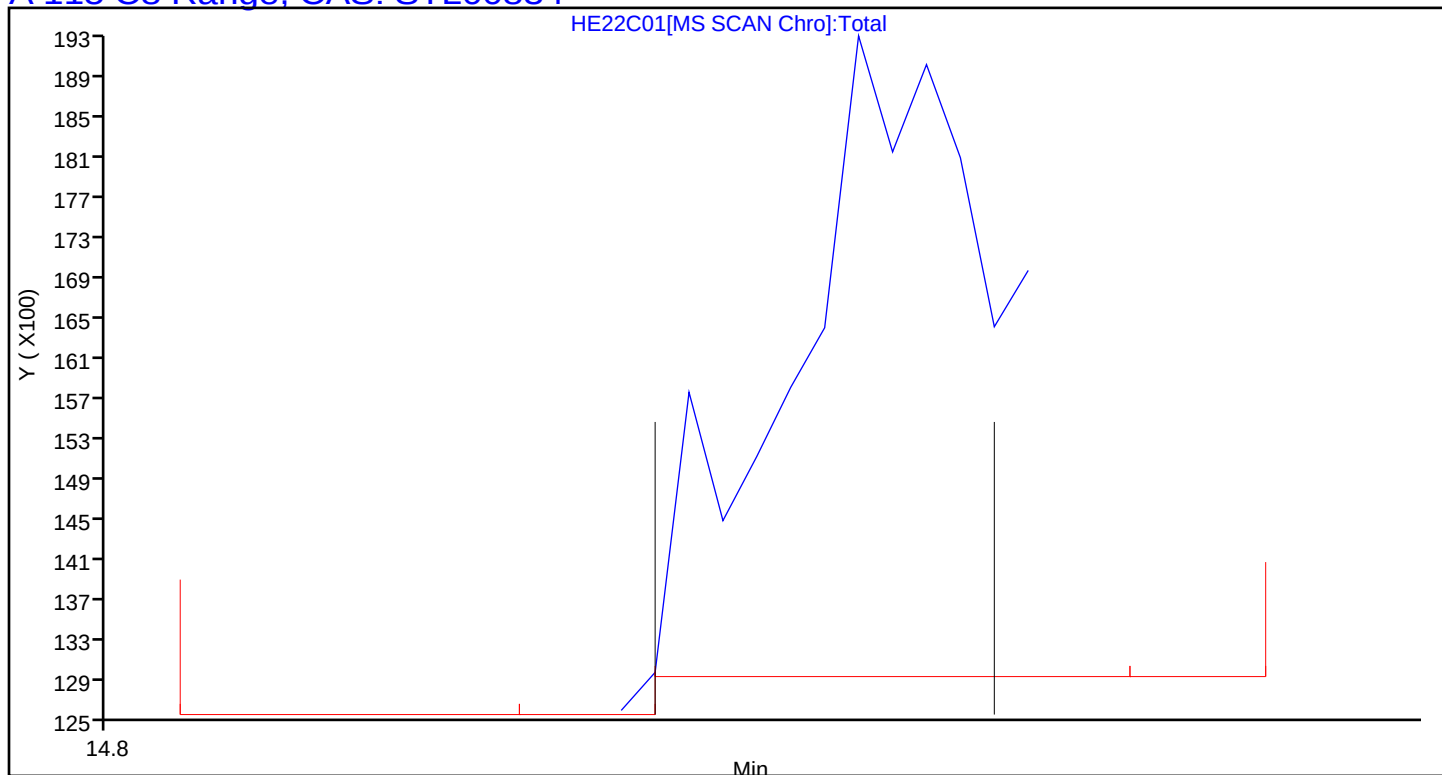
Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C01.D

Injection Date: 22-May-2021 13:29:30

Instrument ID: MH

Lims ID: IC L1

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 9

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

MSA TO14A_15 Routine ICAL

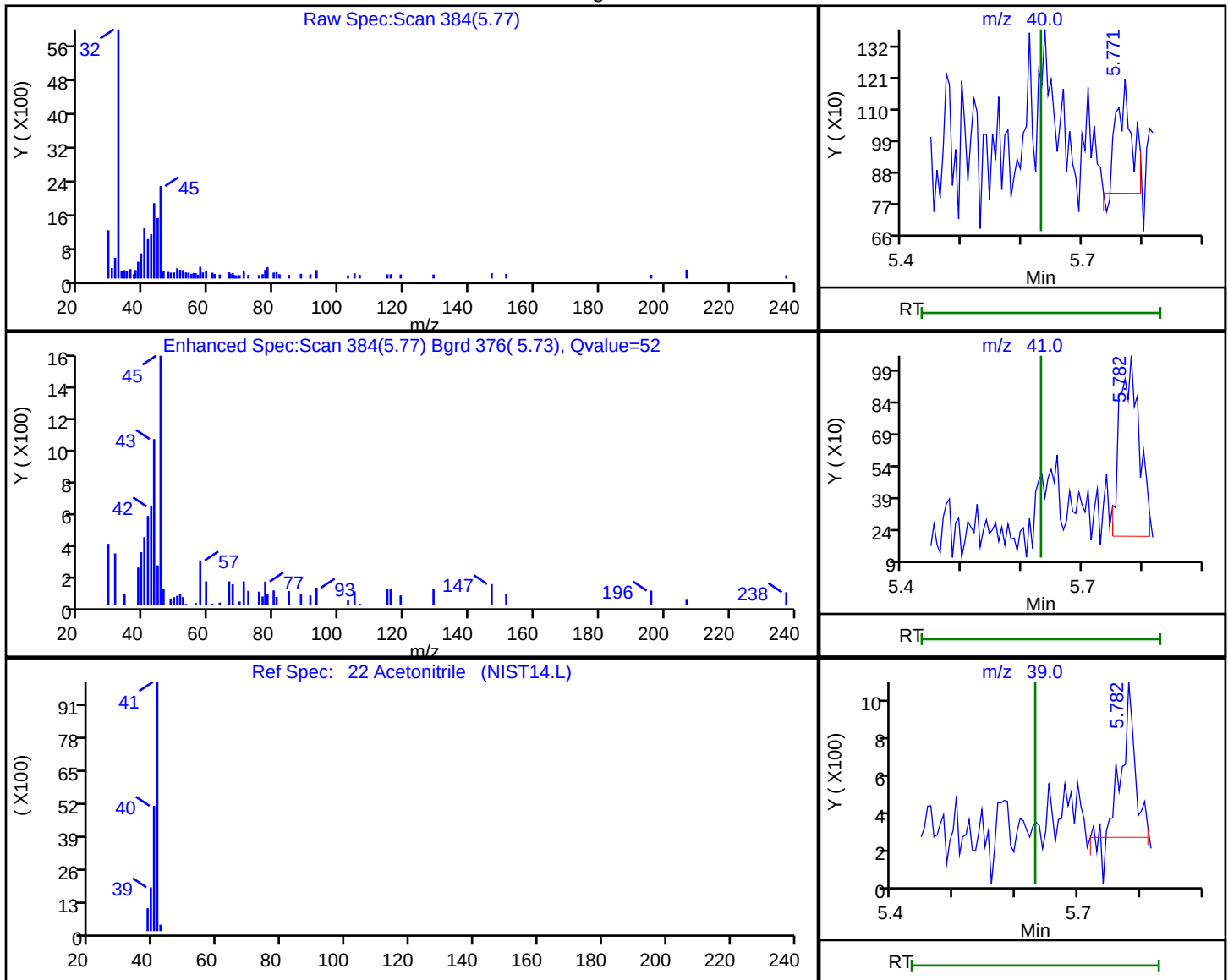
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
5.77	40.00	696	0.028365
5.78	41.00	1924	
5.78	39.00	1124	

Reviewer: barlozhetskayaa, 24-May-2021 13:17:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C01.D

Injection Date: 22-May-2021 13:29:30

Instrument ID: MH

Lims ID: IC L1

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 9

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

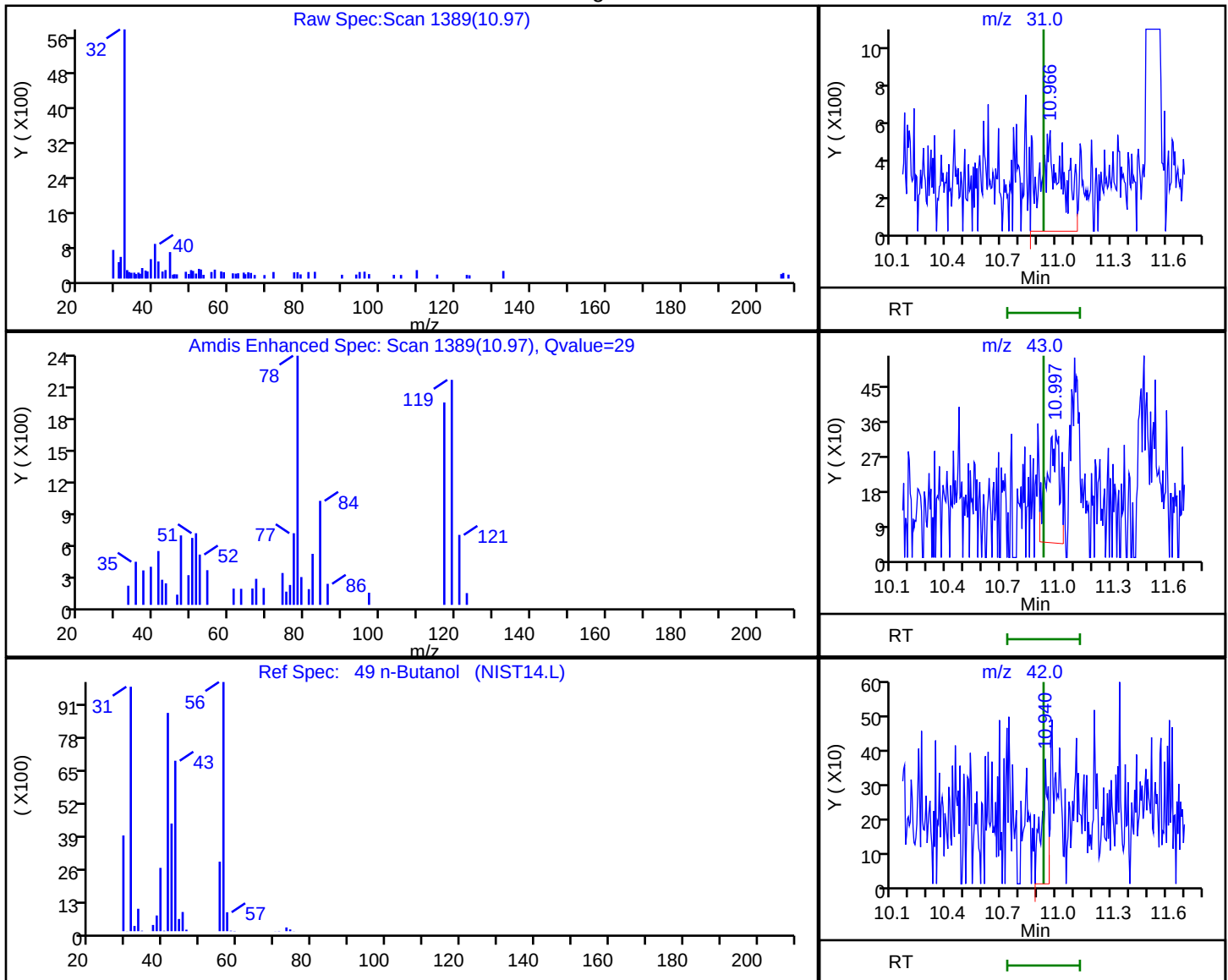
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

49 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
10.97	31.00	4187	0.208185
11.00	43.00	1453	
10.94	42.00	906	

Reviewer: barlozhetskayaa, 24-May-2021 13:18:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C02.D
 Lims ID: IC L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 22-May-2021 14:11:30 ALS Bottle#: 1 Worklist Smp#: 10
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-010
 Misc. Info.: 387801
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:35 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 24-May-2021 09:26:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.358	9.360	-0.002	88	264868	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.535	-0.001	94	1120504	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	90	892333	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.865	17.863	0.002	97	648300	4.64	4.21	
6 Chlorodifluoromethane	51	3.849	3.847	0.002	94	4155	0.0400	0.0382	
7 Propene	41	3.869	3.861	0.008	86	2265	0.0400	0.0477	
8 Dichlorodifluoromethane	85	3.916	3.914	0.002	100	8560	0.0400	0.0429	
9 Chloromethane	52	4.128	4.119	0.009	55	826	0.0400	0.0485	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.118	4.121	-0.003	83	6365	0.0400	0.0445	
11 Acetaldehyde	44	4.293	4.286	0.007	91	7958	0.2000	0.3561	
12 Vinyl chloride	62	4.304	4.304	0.000	33	2245	0.0400	0.0383	
14 Butadiene	54	4.402	4.401	0.001	66	1480	0.0400	0.0354	
13 Butane	43	4.397	4.400	-0.003	84	4071	0.0400	0.0463	
15 Bromomethane	94	4.764	4.761	0.003	94	3623	0.0400	0.0536	
16 Chloroethane	64	4.914	4.915	-0.001	65	1792	0.0400	0.0763	
17 Ethanol	31	5.007	5.011	-0.004	88	2862	0.2000	0.1015	
18 Vinyl bromide	106	5.255	5.250	0.005	96	3127	0.0400	0.0464	
19 2-Methylbutane	43	5.291	5.297	-0.006	94	2511	0.0400	0.0400	
20 Trichlorofluoromethane	101	5.539	5.539	0.000	98	8356	0.0400	0.0413	
21 Acrolein	56	5.554	5.556	-0.002	26	1322	0.0400	0.0745	
23 Acetone	58	5.704	5.681	0.023	99	5367	0.1200	0.2104	
24 Pentane	72	5.761	5.774	-0.013	80	521	0.0400	0.0853	
25 Isopropyl alcohol	45	5.777	5.761	0.016	75	6100	0.1200	0.0857	
26 Ethyl ether	31	5.978	5.958	0.020	82	2041	0.0400	0.0347	
27 1,1-Dichloroethene	96	6.304	6.308	-0.004	97	2942	0.0400	0.0495	
28 Acrylonitrile	53	6.443	6.427	0.016	54	2540	0.0400	0.0679	
29 2-Methyl-2-propanol	59	6.417	6.403	0.014	86	3140	0.0400	0.0428	
30 112TCTFE	101	6.490	6.489	0.001	94	7601	0.0400	0.0488	
32 3-Chloro-1-propene	39	6.702	6.698	0.004	57	2209	0.0400	0.0467	
31 Methylene Chloride	84	6.676	6.685	-0.009	95	3542	0.0400	0.0570	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	6.862	6.861	0.001	96	7459	0.0400	0.0458	
34 trans-1,2-Dichloroethene	96	7.539	7.539	0.000	94	2433	0.0400	0.0434	
35 2-Methylpentane	43	7.549	7.547	0.002	89	4654	0.0400	0.0444	
36 Methyl tert-butyl ether	73	7.694	7.663	0.031	80	3985	0.0400	0.0358	
37 1,1-Dichloroethane	63	7.989	7.986	0.003	97	5117	0.0400	0.0465	
38 Vinyl acetate	43	8.092	8.083	0.009	98	2974	0.0400	0.0236	
40 Hexane	56	8.573	8.574	-0.001	67	1814	0.0400	0.0488	
39 2-Butanone (MEK)	72	8.568	8.554	0.014	87	1160	0.0400	0.0482	
41 Isopropyl ether	45	8.743	8.733	0.010	88	4663	0.0400	0.0306	
42 cis-1,2-Dichloroethene	96	9.007	9.012	-0.005	92	2651	0.0400	0.0458	
43 Ethyl acetate	43	9.193	9.183	0.010	92	6544	0.0400	0.0535	
44 Chloroform	83	9.358	9.366	-0.008	33	7231	0.0400	0.0495	
45 Tert-butyl ethyl ether	59	9.451	9.436	0.015	89	5015	0.0400	0.0396	
46 Tetrahydrofuran	42	9.782	9.769	0.013	78	2048	0.0400	0.0386	
47 1,1,1-Trichloroethane	97	10.418	10.419	-0.001	93	6301	0.0400	0.0459	
48 1,2-Dichloroethane	62	10.526	10.531	-0.005	74	4407	0.0400	0.0516	
51 Benzene	78	11.017	11.012	0.005	96	7031	0.0400	0.0457	
50 Cyclohexane	69	11.028	11.009	0.019	51	875	0.0400	0.0439	
52 Carbon tetrachloride	117	11.028	11.031	-0.003	97	7066	0.0400	0.0432	
53 2,3-Dimethylpentane	71	11.110	11.112	-0.002	84	1423	0.0400	0.0523	
54 Thiophene	84	11.286	11.284	0.002	95	3312	0.0400	0.0375	
55 Isooctane	57	11.736	11.739	-0.003	92	7728	0.0400	0.0356	
56 n-Heptane	71	12.113	12.106	0.007	80	1103	0.0400	0.0271	
57 1,2-Dichloropropane	63	12.206	12.210	-0.004	76	3260	0.0400	0.0473	
58 Trichloroethene	130	12.242	12.242	0.000	93	3805	0.0400	0.0431	
59 Dibromomethane	93	12.330	12.334	-0.004	94	4222	0.0400	0.0460	
60 Dichlorobromomethane	83	12.475	12.471	0.004	97	6523	0.0400	0.0464	
61 1,4-Dioxane	88	12.490	12.478	0.012	31	1383	0.0400	0.0657	
62 Methyl methacrylate	41	12.542	12.539	0.003	86	2005	0.0400	0.0296	
63 Methylcyclohexane	83	12.997	12.998	-0.001	90	2429	0.0400	0.1029	
64 4-Methyl-2-pentanone (MIBK)	43	13.395	13.383	0.012	88	4763	0.0400	0.0384	
65 cis-1,3-Dichloropropene	75	13.446	13.452	-0.006	75	2717	0.0400	0.0316	
66 trans-1,3-Dichloropropene	75	14.134	14.139	-0.005	95	2849	0.0400	0.0417	
67 Toluene	91	14.263	14.266	-0.003	89	5513	0.0400	0.0276	
68 1,1,2-Trichloroethane	83	14.335	14.341	-0.006	90	3428	0.0400	0.0484	
69 2-Hexanone	58	14.718	14.705	0.013	85	2569	0.0400	0.0539	
70 n-Octane	85	14.930	14.924	0.006	82	865	0.0400	0.1219	
71 Chlorodibromomethane	129	15.038	15.043	-0.005	95	6342	0.0400	0.0386	
72 Ethylene Dibromide	107	15.338	15.335	0.003	90	5125	0.0400	0.0415	
73 Tetrachloroethene	129	15.390	15.398	-0.008	93	3475	0.0400	0.0392	
75 2,3-Dimethylheptane	43	16.258	16.258	0.000	85	7186	0.0400	0.0386	
74 Chlorobenzene	112	16.263	16.269	-0.006	97	9170	0.0400	0.0500	
76 Ethylbenzene	91	16.542	16.547	-0.005	95	6928	0.0400	0.0255	
77 m-Xylene & p-Xylene	91	16.708	16.707	0.001	98	10147	0.0800	0.0445	
78 n-Nonane	57	17.095	17.098	-0.003	83	1650	0.0400	0.1225	
79 Bromoform	173	17.178	17.171	0.007	93	6769	0.0400	0.0256	
80 Styrene	104	17.163	17.171	-0.008	61	3029	0.0400	0.0408	
81 o-Xylene	91	17.230	17.231	-0.001	95	5356	0.0400	0.0219	
82 1,1,2,2-Tetrachloroethane	83	17.566	17.562	0.004	97	7840	0.0400	0.0412	
83 1,2,3-Trichloropropane	110	17.726	17.727	-0.001	92	1548	0.0400	0.0380	
84 Isopropylbenzene	105	17.824	17.825	-0.001	87	6898	0.0400	0.0252	
85 N-Propylbenzene	120	18.367	18.365	0.002	97	1527	0.0400	0.0203	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 2-Chlorotoluene	126	18.424	18.418	0.006	97	2615	0.0400	0.0299	
87 4-Ethyltoluene	105	18.517	18.514	0.003	95	6175	0.0400	0.0205	
88 1,3,5-Trimethylbenzene	120	18.594	18.586	0.008	92	2346	0.0400	0.0785	
89 Alpha Methyl Styrene	118	18.822	18.821	0.001	83	2163	0.0400	0.1408	
90 n-Decane	57	18.863	18.859	0.004	83	2894	0.0400	0.0156	
91 tert-Butylbenzene	119	19.018	19.018	0.000	90	6346	0.0400	0.0218	
92 1,2,4-Trimethylbenzene	105	19.033	19.031	0.002	91	5114	0.0400	0.0636	
93 sec-Butylbenzene	105	19.292	19.288	0.004	97	7152	0.0400	0.0183	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	95	7619	0.0400	0.0330	
95 Benzyl chloride	91	19.385	19.387	-0.002	98	5046	0.0400	0.0222	
96 1,4-Dichlorobenzene	146	19.400	19.401	-0.001	96	7788	0.0400	0.0356	
97 4-Isopropyltoluene	119	19.452	19.449	0.003	89	5846	0.0400	0.0692	
98 1,2,3-Trimethylbenzene	105	19.514	19.511	0.003	97	5544	0.0400	0.0665	
99 Butylcyclohexane	83	19.555	19.557	-0.002	86	3967	0.0400	0.0179	
101 2,3-Dihydroindene	117	19.762	19.762	0.000	73	5448	0.0400	0.0203	
100 1,2-Dichlorobenzene	146	19.767	19.768	-0.001	96	8356	0.0400	0.0353	
103 n-Butylbenzene	91	19.886	19.888	-0.002	93	7128	0.0400	0.0182	
102 Indene	116	19.897	19.896	0.001	70	4094	0.0400	0.0162	
104 Undecane	57	20.186	20.182	0.004	82	3012	0.0400	0.0130	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	94	3475	0.0400	0.0265	
106 1,2,4,5-Tetramethylbenzene	119	20.662	20.664	-0.002	92	5080	0.0400	0.0646	
107 Dodecane	57	21.292	21.294	-0.002	76	2392	0.0400	0.009661	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	94	4408	0.0400	0.0238	
109 Naphthalene	128	21.664	21.666	-0.002	98	6643	0.0400	0.0204	
110 Hexachlorobutadiene	225	21.824	21.826	-0.002	88	11543	0.0400	0.0413	
111 1,2,3-Trichlorobenzene	180	21.886	21.886	0.000	93	5279	0.0400	0.0275	
112 2-Methylnaphthalene	142	22.434	22.430	0.004	85	1114	0.0400	0.006922	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	94	2630	0.0400	0.0138	
A 115 C8 Range	1	14.919	(14.894-14.945)		0	23591	0.0400	0.0421	
S 116 Xylenes, Total	100				0		0.1200	0.0664	
S 117 1,2-Dichloroethene, Total	1				0		0.0800	0.0892	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00042

Amount Added: 100.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:36

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C02.D

Injection Date: 22-May-2021 14:11:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L2

Worklist Smp#: 10

Client ID:

Purge Vol: 500.000 mL

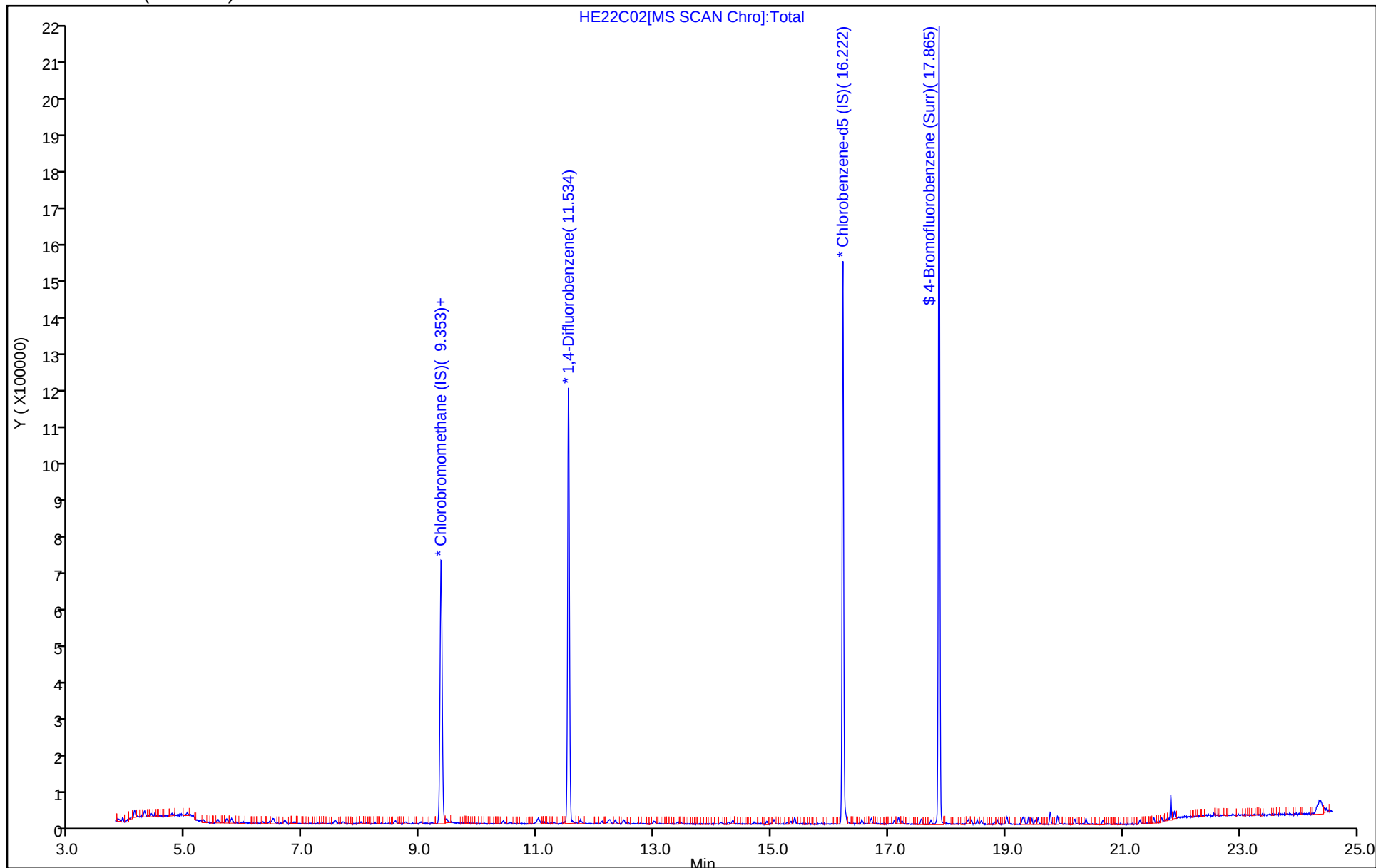
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 25-May-2021 13:48:36

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C02.D

Injection Date: 22-May-2021 14:11:30

Instrument ID: MH

Lims ID: IC L2

Client ID:

Operator ID: HMT

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

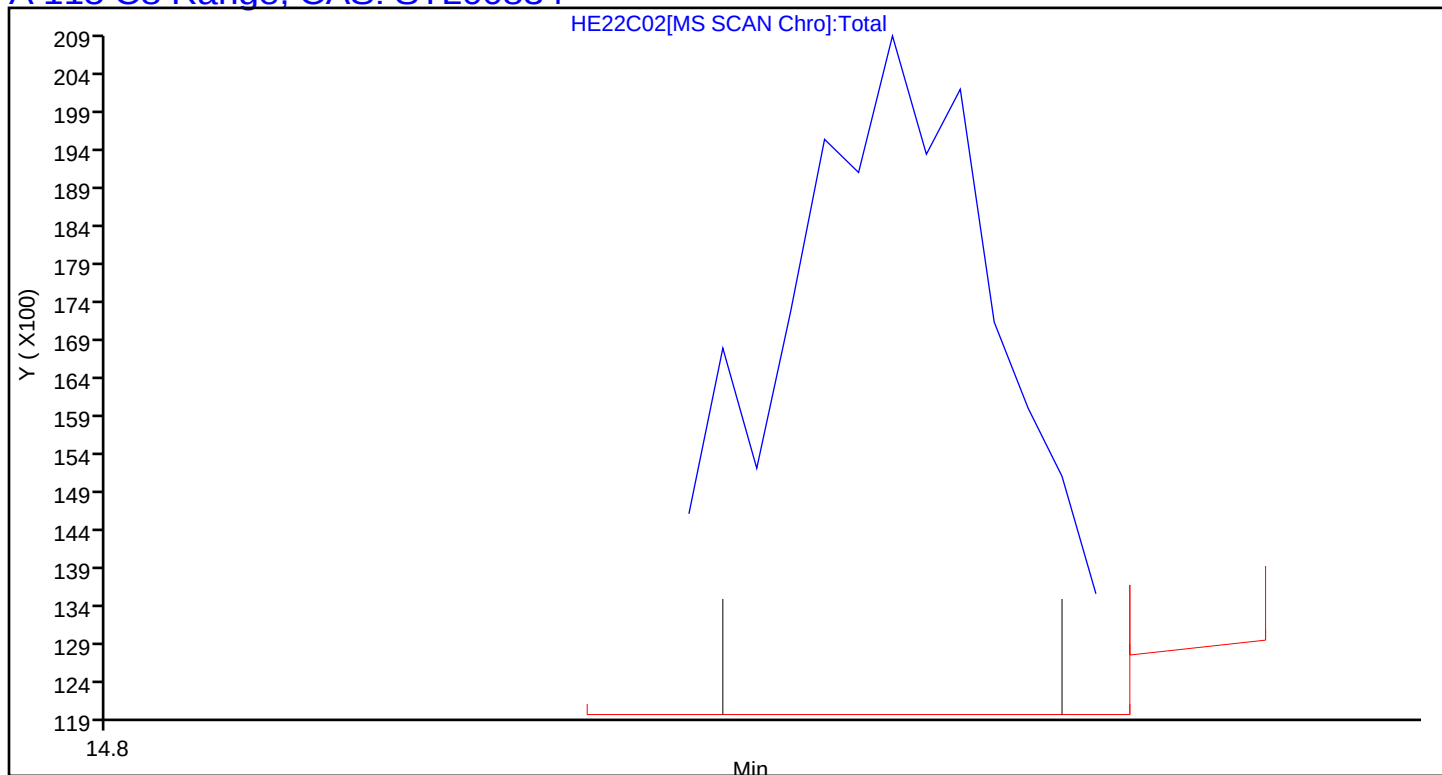
Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C02.D

Injection Date: 22-May-2021 14:11:30

Instrument ID: MH

Lims ID: IC L2

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 10

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

MSA TO14A_15 Routine ICAL

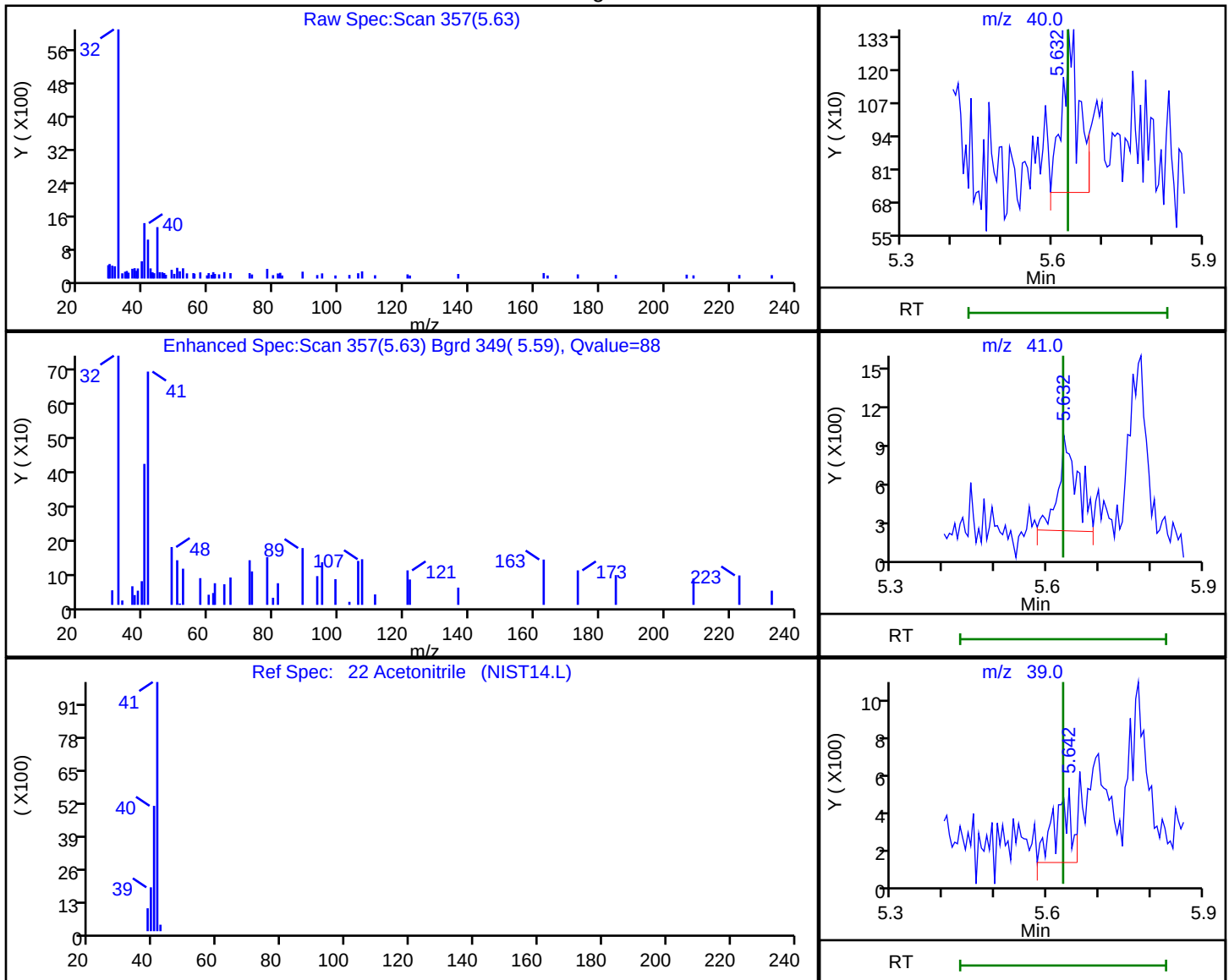
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
5.63	40.00	1520	0.066174
5.63	41.00	1962	
5.64	39.00	825	

Reviewer: barlozhetskayaa, 24-May-2021 13:16:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C02.D

Injection Date: 22-May-2021 14:11:30

Instrument ID: MH

Lims ID: IC L2

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 10

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

MSA TO14A_15 Routine ICAL

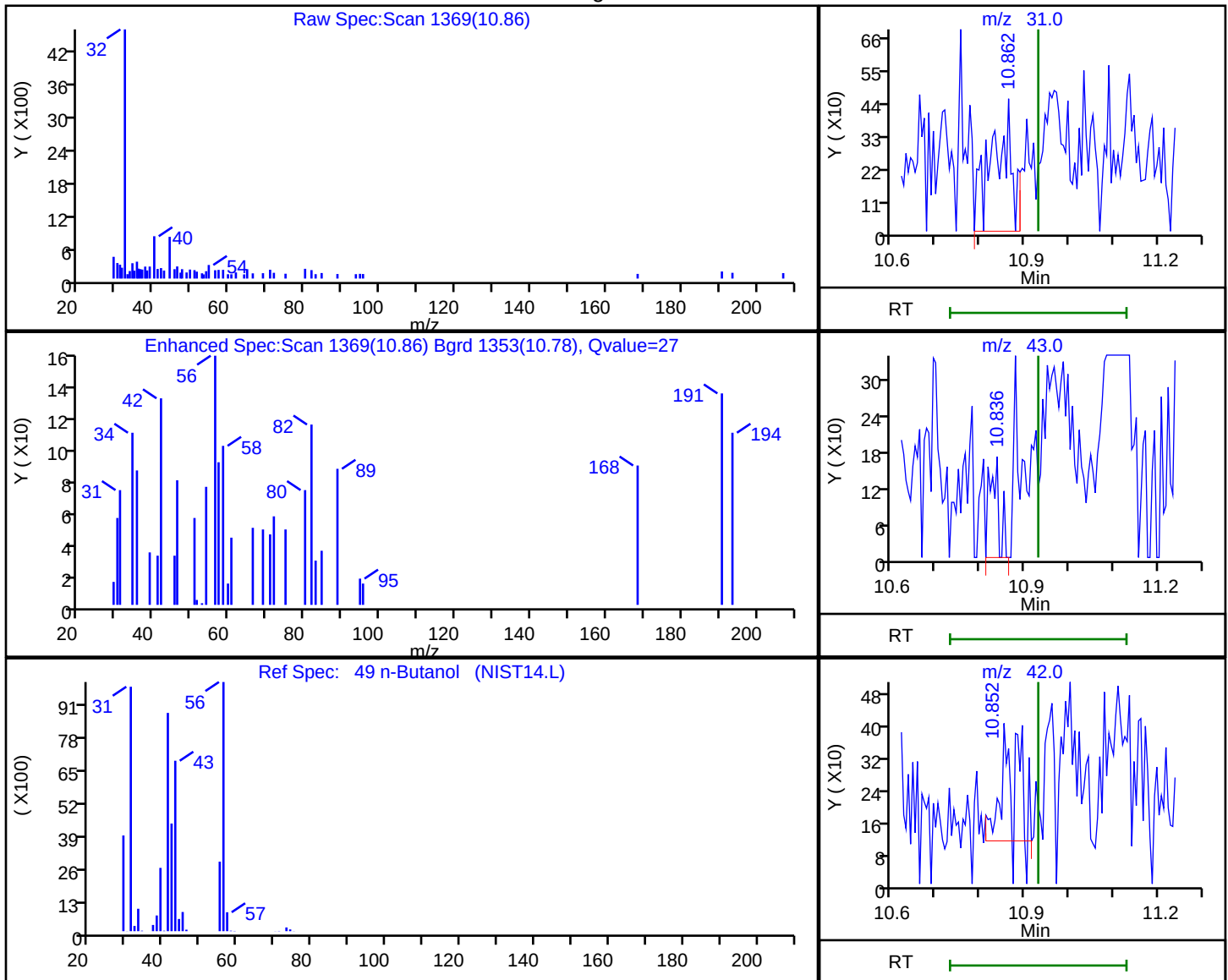
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

49 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
10.86	31.00	1399	0.074331
10.84	43.00	242	
10.85	42.00	719	

Reviewer: barlozhetskayaa, 24-May-2021 13:16:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D
 Lims ID: IC L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 22-May-2021 14:54:30 ALS Bottle#: 1 Worklist Smp#: 11
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-011
 Misc. Info.: 387801
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:41 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 24-May-2021 10:26:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.358	9.360	-0.002	86	257912	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.535	-0.001	94	1093288	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	87	876448	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.860	17.863	-0.003	96	643175	4.64	4.25	
6 Chlorodifluoromethane	51	3.844	3.847	-0.003	97	8867	0.0800	0.0837	
7 Propene	41	3.854	3.861	-0.007	94	4775	0.0800	0.1032	
8 Dichlorodifluoromethane	85	3.911	3.914	-0.003	99	16527	0.0800	0.0851	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.118	4.121	-0.003	91	10624	0.0800	0.0763	
11 Acetaldehyde	44	4.288	4.286	0.002	90	14160	0.4000	0.6507	
12 Vinyl chloride	62	4.298	4.304	-0.006	98	4278	0.0800	0.0749	
13 Butane	43	4.391	4.400	-0.009	83	7392	0.0800	0.0863	
14 Butadiene	54	4.397	4.401	-0.004	73	3151	0.0800	0.0775	
15 Bromomethane	94	4.764	4.761	0.003	94	5565	0.0800	0.0845	
16 Chloroethane	64	4.919	4.915	0.004	50	2006	0.0800	0.0877	
17 Ethanol	31	5.012	5.011	0.001	95	12742	0.4000	0.4640	
18 Vinyl bromide	106	5.249	5.250	-0.001	96	5527	0.0800	0.0842	
19 2-Methylbutane	43	5.301	5.297	0.004	89	4654	0.0800	0.0761	
20 Trichlorofluoromethane	101	5.534	5.539	-0.005	99	16321	0.0800	0.0829	
21 Acrolein	56	5.554	5.556	-0.002	32	1695	0.0800	0.0981	
23 Acetone	58	5.684	5.681	0.003	98	8669	0.2400	0.3490	
24 Pentane	72	5.771	5.774	-0.003	77	812	0.0800	0.1365	
25 Isopropyl alcohol	45	5.771	5.761	0.010	76	13662	0.2400	0.1972	
26 Ethyl ether	31	5.963	5.958	0.005	86	3302	0.0800	0.0577	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	98	4380	0.0800	0.0756	
29 2-Methyl-2-propanol	59	6.412	6.403	0.009	81	4697	0.0800	0.0657	
28 Acrylonitrile	53	6.428	6.427	0.001	63	2716	0.0800	0.0746	
30 112TCTFE	101	6.485	6.489	-0.004	95	13007	0.0800	0.0858	
31 Methylene Chloride	84	6.686	6.685	0.001	95	5761	0.0800	0.0952	
32 3-Chloro-1-propene	39	6.702	6.698	0.004	79	2991	0.0800	0.0649	
33 Carbon disulfide	76	6.857	6.861	-0.004	97	12292	0.0800	0.0775	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 trans-1,2-Dichloroethene	96	7.539	7.539	0.000	96	4329	0.0800	0.0792	
35 2-Methylpentane	43	7.544	7.547	-0.003	87	5801	0.0800	0.0569	
36 Methyl tert-butyl ether	73	7.679	7.663	0.016	87	6964	0.0800	0.0643	
37 1,1-Dichloroethane	63	7.978	7.986	-0.008	98	9382	0.0800	0.0875	
38 Vinyl acetate	43	8.087	8.083	0.004	97	6142	0.0800	0.0501	
39 2-Butanone (MEK)	72	8.568	8.554	0.014	89	2054	0.0800	0.0877	
40 Hexane	56	8.578	8.574	0.004	67	2889	0.0800	0.0798	
41 Isopropyl ether	45	8.748	8.733	0.015	88	7858	0.0800	0.0530	
42 cis-1,2-Dichloroethene	96	9.002	9.012	-0.010	91	4359	0.0800	0.0774	
43 Ethyl acetate	43	9.183	9.183	0.000	97	9481	0.0800	0.0795	
44 Chloroform	83	9.363	9.366	-0.003	29	12157	0.0800	0.0854	
45 Tert-butyl ethyl ether	59	9.451	9.436	0.015	90	7494	0.0800	0.0608	
46 Tetrahydrofuran	42	9.772	9.769	0.003	84	4036	0.0800	0.0780	
47 1,1,1-Trichloroethane	97	10.413	10.419	-0.006	95	11520	0.0800	0.0861	
48 1,2-Dichloroethane	62	10.526	10.531	-0.005	98	7686	0.0800	0.0922	
51 Benzene	78	11.007	11.012	-0.005	97	12001	0.0800	0.0799	
52 Carbon tetrachloride	117	11.033	11.031	0.002	91	13010	0.0800	0.0816	
50 Cyclohexane	69	11.002	11.009	-0.007	53	1480	0.0800	0.0761	
53 2,3-Dimethylpentane	71	11.110	11.112	-0.002	77	1459	0.0800	0.0550	
54 Thiophene	84	11.286	11.284	0.002	94	5629	0.0800	0.0654	
55 Isooctane	57	11.741	11.739	0.002	93	13494	0.0800	0.0637	
56 n-Heptane	71	12.098	12.106	-0.008	82	2312	0.0800	0.0582	
57 1,2-Dichloropropane	63	12.206	12.210	-0.004	86	5405	0.0800	0.0803	
58 Trichloroethene	130	12.242	12.242	0.000	95	6308	0.0800	0.0732	
59 Dibromomethane	93	12.330	12.334	-0.004	92	7267	0.0800	0.0811	
60 Dichlorobromomethane	83	12.470	12.471	-0.001	96	10594	0.0800	0.0773	
61 1,4-Dioxane	88	12.490	12.478	0.012	29	1887	0.0800	0.0919	
62 Methyl methacrylate	41	12.542	12.539	0.003	83	3497	0.0800	0.0529	
63 Methylcyclohexane	83	13.002	12.998	0.004	79	3569	0.0800	0.1156	
64 4-Methyl-2-pentanone (MIBK)	43	13.390	13.383	0.007	92	7044	0.0800	0.0583	
65 cis-1,3-Dichloropropene	75	13.446	13.452	-0.006	91	4994	0.0800	0.0594	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	94	4407	0.0800	0.0657	
67 Toluene	91	14.263	14.266	-0.003	91	9625	0.0800	0.0490	
68 1,1,2-Trichloroethane	83	14.341	14.341	0.000	95	5616	0.0800	0.0807	
69 2-Hexanone	58	14.708	14.705	0.003	86	2139	0.0800	0.0457	
70 n-Octane	85	14.925	14.924	0.001	79	1611	0.0800	0.1376	
71 Chlorodibromomethane	129	15.044	15.043	0.001	96	11658	0.0800	0.0723	
72 Ethylene Dibromide	107	15.328	15.335	-0.007	98	8944	0.0800	0.0737	
73 Tetrachloroethene	129	15.400	15.398	0.002	94	6468	0.0800	0.0744	
75 2,3-Dimethylheptane	43	16.253	16.258	-0.005	88	12946	0.0800	0.0708	
74 Chlorobenzene	112	16.268	16.269	-0.001	96	15392	0.0800	0.0855	
76 Ethylbenzene	91	16.548	16.547	0.001	98	13063	0.0800	0.0490	
77 m-Xylene & p-Xylene	91	16.708	16.707	0.001	98	18854	0.1600	0.0841	
78 n-Nonane	57	17.101	17.098	0.003	81	3770	0.0800	0.1409	
80 Styrene	104	17.168	17.171	-0.003	68	5879	0.0800	0.0609	
79 Bromoform	173	17.163	17.171	-0.008	94	12770	0.0800	0.0492	
81 o-Xylene	91	17.230	17.231	-0.001	98	10106	0.0800	0.0420	
82 1,1,2,2-Tetrachloroethane	83	17.566	17.562	0.004	96	14118	0.0800	0.0756	
83 1,2,3-Trichloropropane	110	17.726	17.727	-0.001	91	3060	0.0800	0.0765	
84 Isopropylbenzene	105	17.819	17.825	-0.006	87	11062	0.0800	0.0412	
85 N-Propylbenzene	120	18.362	18.365	-0.003	98	3043	0.0800	0.0411	
86 2-Chlorotoluene	126	18.418	18.418	0.000	96	4540	0.0800	0.0528	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	18.511	18.514	-0.003	97	11477	0.0800	0.0387	
88 1,3,5-Trimethylbenzene	120	18.589	18.586	0.003	90	5240	0.0800	0.0995	
89 Alpha Methyl Styrene	118	18.822	18.821	0.001	89	4654	0.0800	0.1577	
90 n-Decane	57	18.858	18.859	-0.001	86	5749	0.0800	0.0316	
91 tert-Butylbenzene	119	19.013	19.018	-0.005	88	12472	0.0800	0.0435	
92 1,2,4-Trimethylbenzene	105	19.028	19.031	-0.003	94	11734	0.0800	0.0849	
93 sec-Butylbenzene	105	19.287	19.288	-0.001	97	15645	0.0800	0.0407	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	96	15364	0.0800	0.0678	
95 Benzyl chloride	91	19.385	19.387	-0.002	98	9921	0.0800	0.0444	
96 1,4-Dichlorobenzene	146	19.400	19.401	-0.001	96	13344	0.0800	0.0621	
97 4-Isopropyltoluene	119	19.447	19.449	-0.002	92	11818	0.0800	0.0855	
98 1,2,3-Trimethylbenzene	105	19.509	19.511	-0.002	98	11532	0.0800	0.0855	
99 Butylcyclohexane	83	19.561	19.557	0.004	86	8984	0.0800	0.0412	
101 2,3-Dihydroindene	117	19.757	19.762	-0.005	82	11139	0.0800	0.0423	
100 1,2-Dichlorobenzene	146	19.767	19.768	-0.001	96	16085	0.0800	0.0692	
103 n-Butylbenzene	91	19.891	19.888	0.003	92	16848	0.0800	0.0438	
102 Indene	116	19.891	19.896	-0.005	76	9788	0.0800	0.0395	
104 Undecane	57	20.181	20.182	-0.001	82	6741	0.0800	0.0297	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	94	6783	0.0800	0.0527	
106 1,2,4,5-Tetramethylbenzene	119	20.667	20.664	0.003	95	9591	0.0800	0.0784	
107 Dodecane	57	21.297	21.294	0.003	84	6964	0.0800	0.0286	
108 1,2,4-Trichlorobenzene	180	21.530	21.535	-0.005	93	9924	0.0800	0.0546	
109 Naphthalene	128	21.669	21.666	0.003	98	13140	0.0800	0.0411	
110 Hexachlorobutadiene	225	21.824	21.826	-0.002	91	21183	0.0800	0.0772	
111 1,2,3-Trichlorobenzene	180	21.886	21.886	0.000	93	9899	0.0800	0.0524	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	89	2604	0.0800	0.0165	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	95	4879	0.0800	0.0261	
A 115 C8 Range	1	14.919	(14.883-14.956)		0	26626	0.0800	0.0487	
S 116 Xylenes, Total	100				0		0.2400	0.1262	
S 117 1,2-Dichloroethene, Total	1				0		0.1600	0.1567	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00042

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:41

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L3

Worklist Smp#: 11

Client ID:

Purge Vol: 500.000 mL

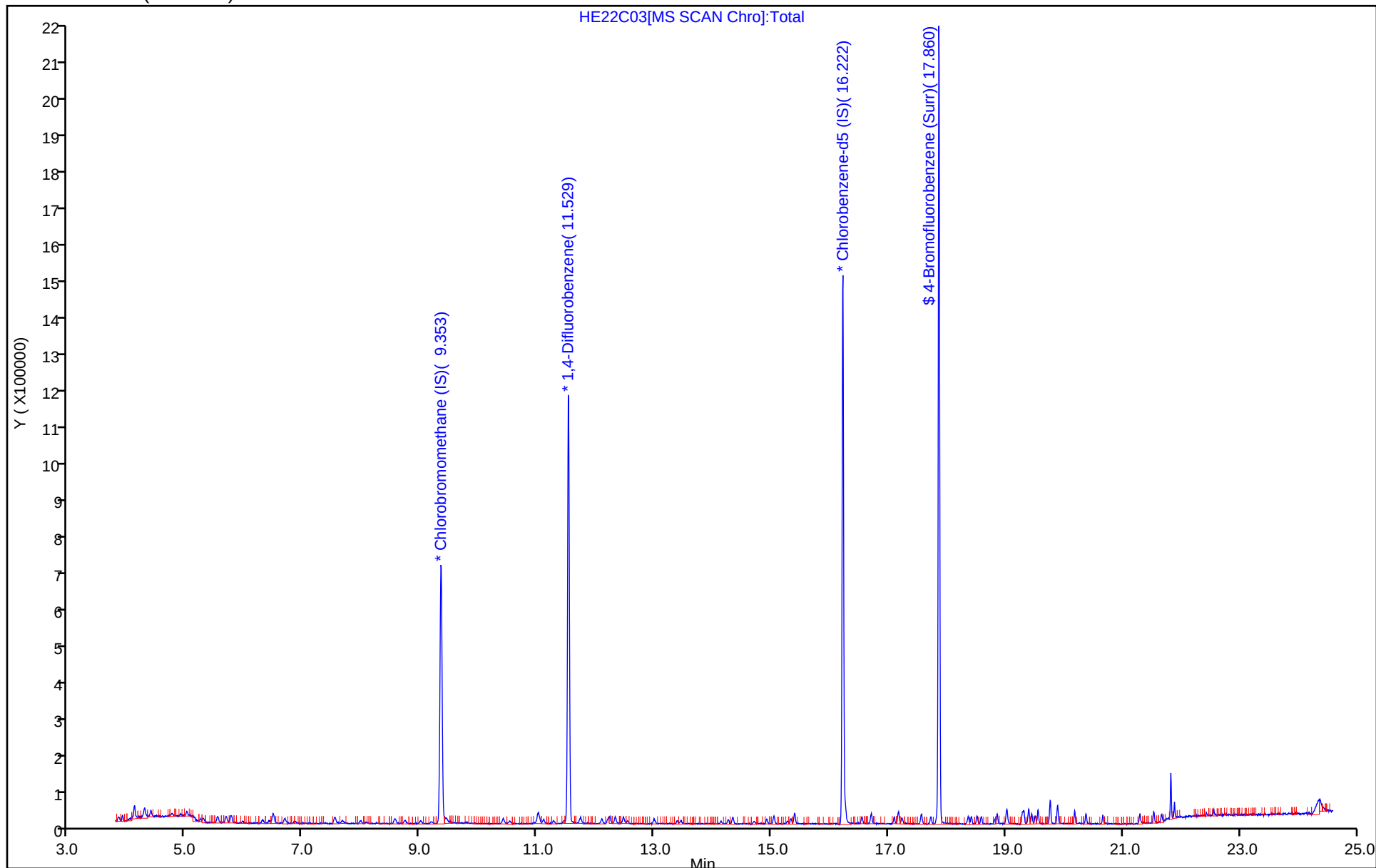
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 25-May-2021 13:48:42

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#: 1

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

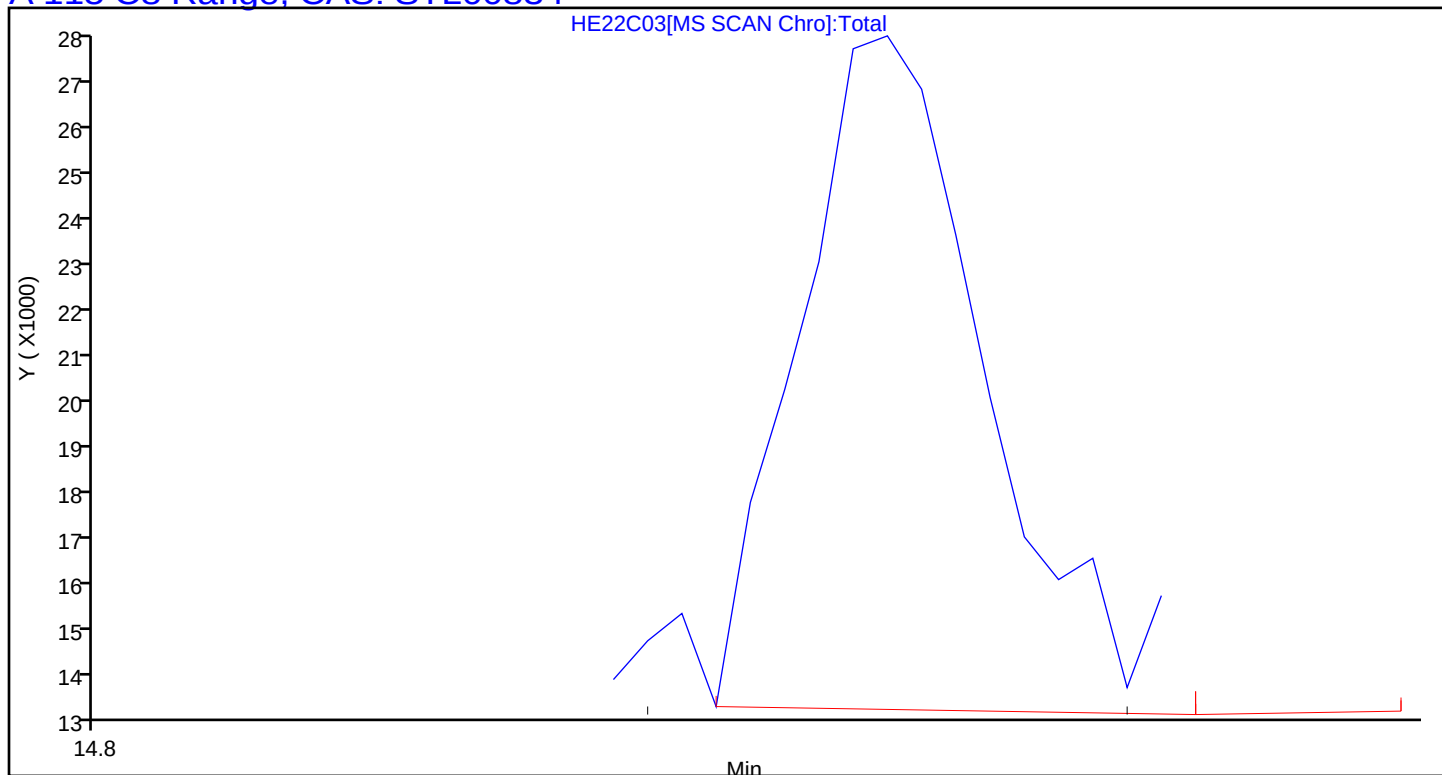
Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

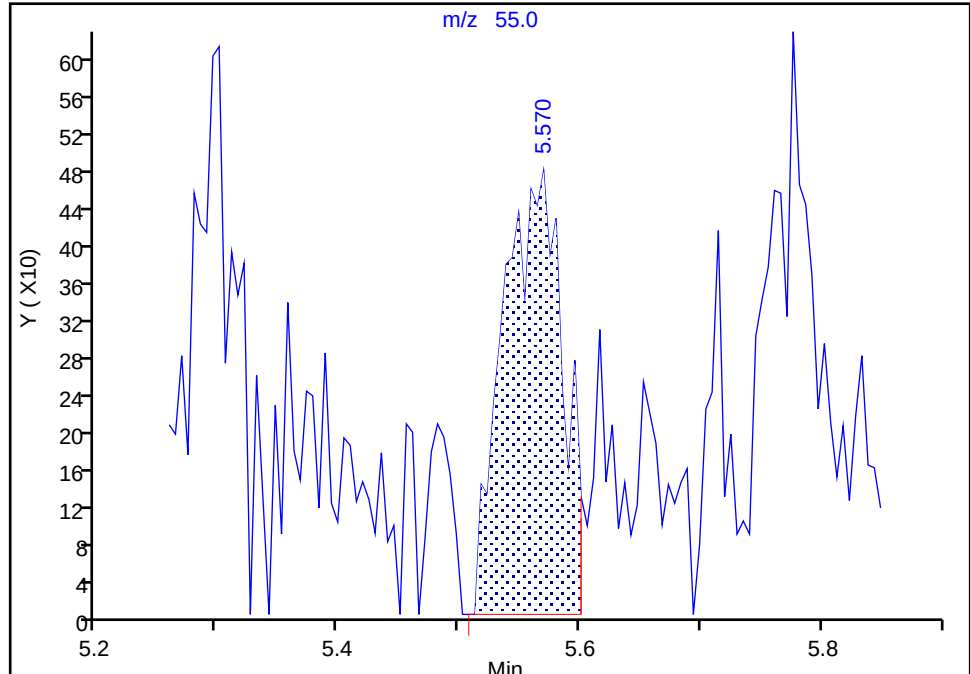
Detector: MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 2

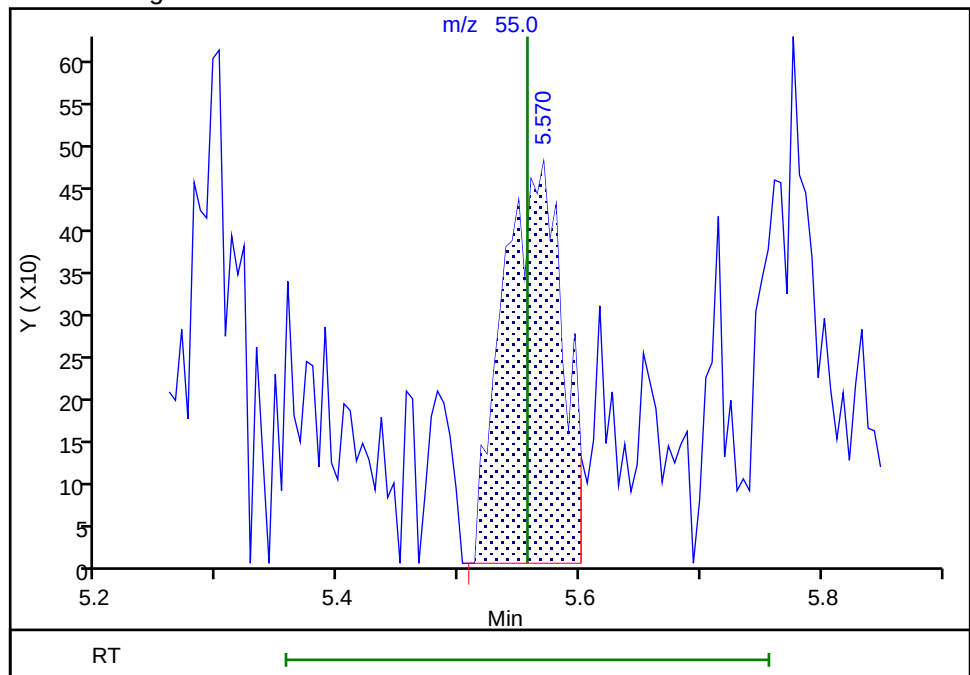
RT: 5.57
Area: 1632
Amount: 0.097891
Amount Units: ppb v/v

Processing Integration Results



RT: 5.57
Area: 1632
Amount: 0.098083
Amount Units: ppb v/v

Manual Integration Results



Reviewer: barlozhetskayaa, 24-May-2021 13:12:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector

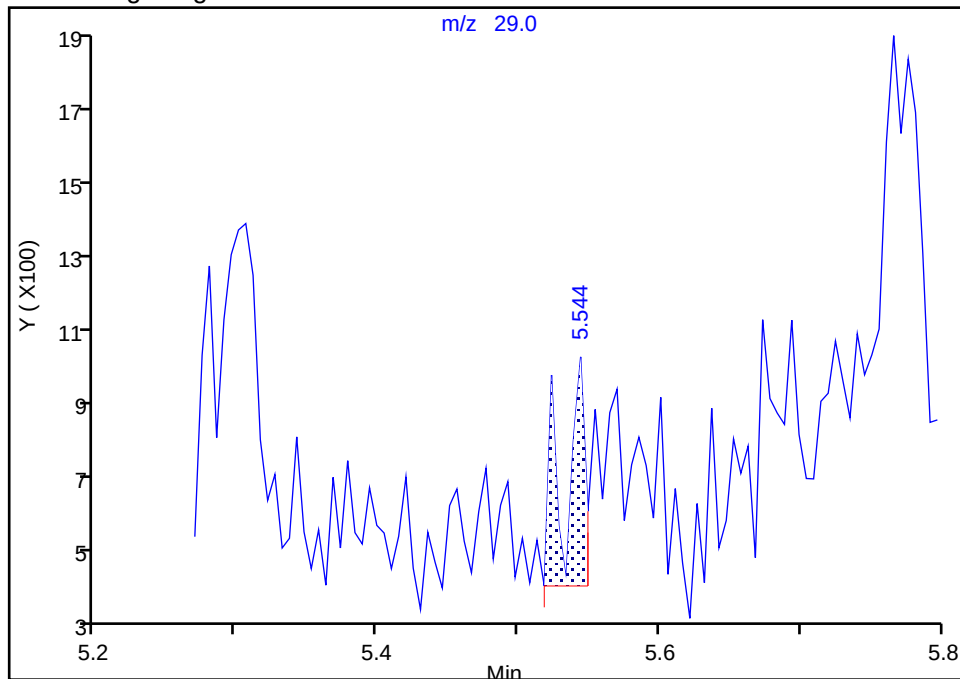
MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 3

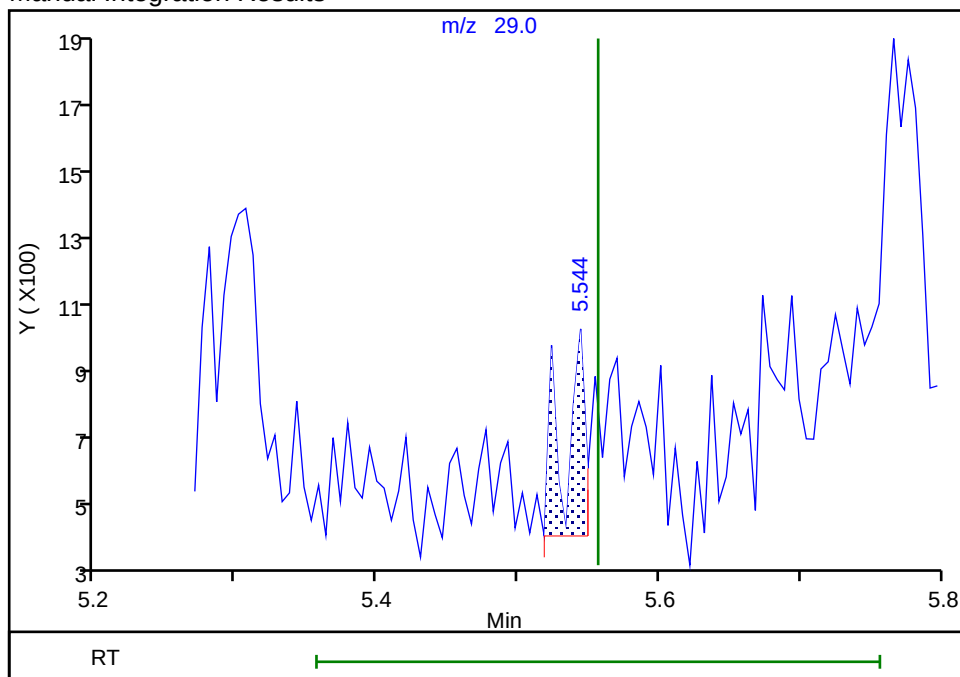
RT: 5.54
Area: 558
Amount: 0.097891
Amount Units: ppb v/v

Processing Integration Results



RT: 5.54
Area: 558
Amount: 0.098083
Amount Units: ppb v/v

Manual Integration Results



Reviewer: barlozhetskayaa, 24-May-2021 13:12:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

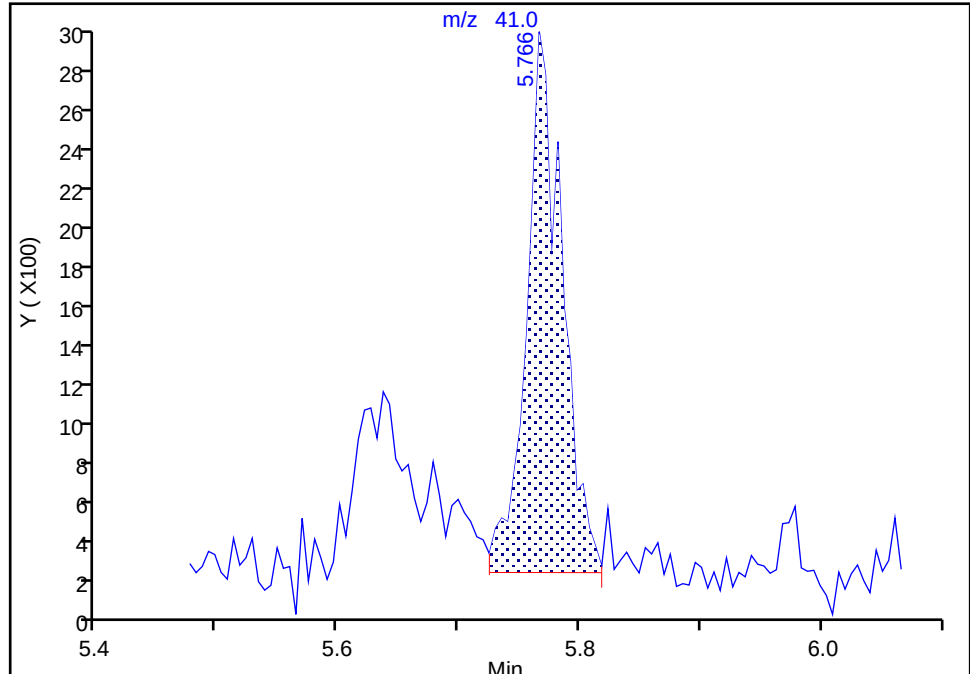
Detector: MS SCAN

24 Pentane, CAS: 109-66-0

Signal: 2

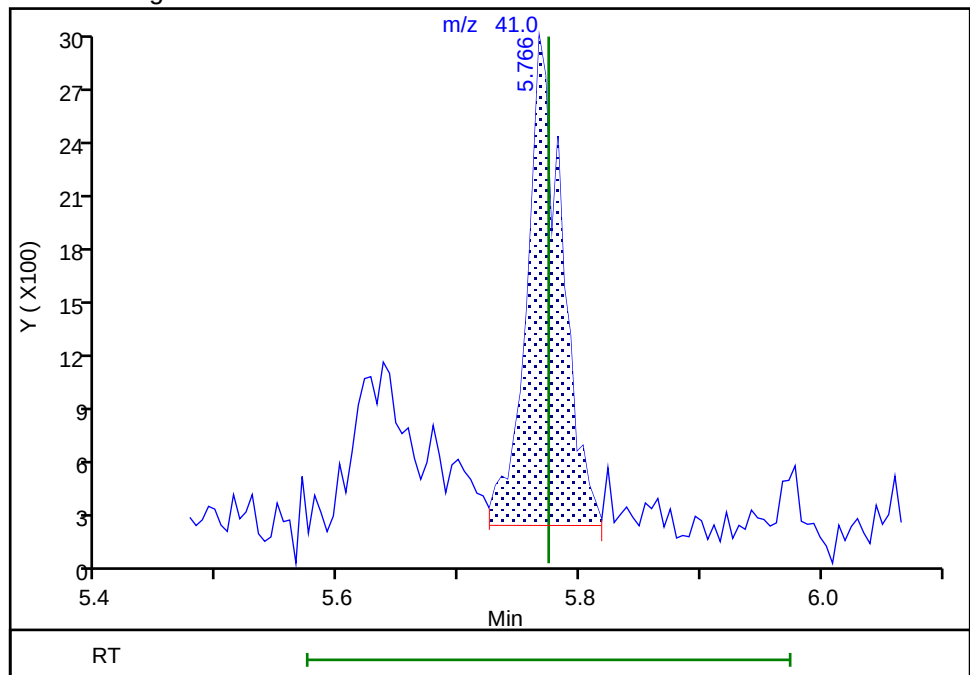
RT: 5.77
Area: 5594
Amount: 0.136504
Amount Units: ppb v/v

Processing Integration Results



RT: 5.77
Area: 5594
Amount: 0.136504
Amount Units: ppb v/v

Manual Integration Results



Reviewer: barlozhetskayaa, 24-May-2021 13:13:03

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector

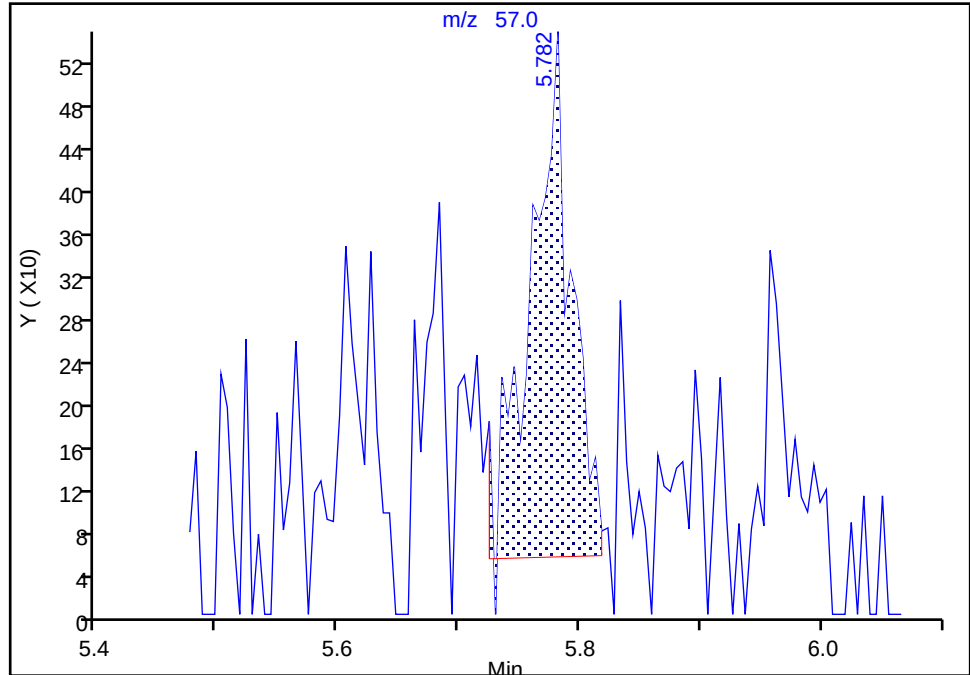
MS SCAN

24 Pentane, CAS: 109-66-0

Signal: 3

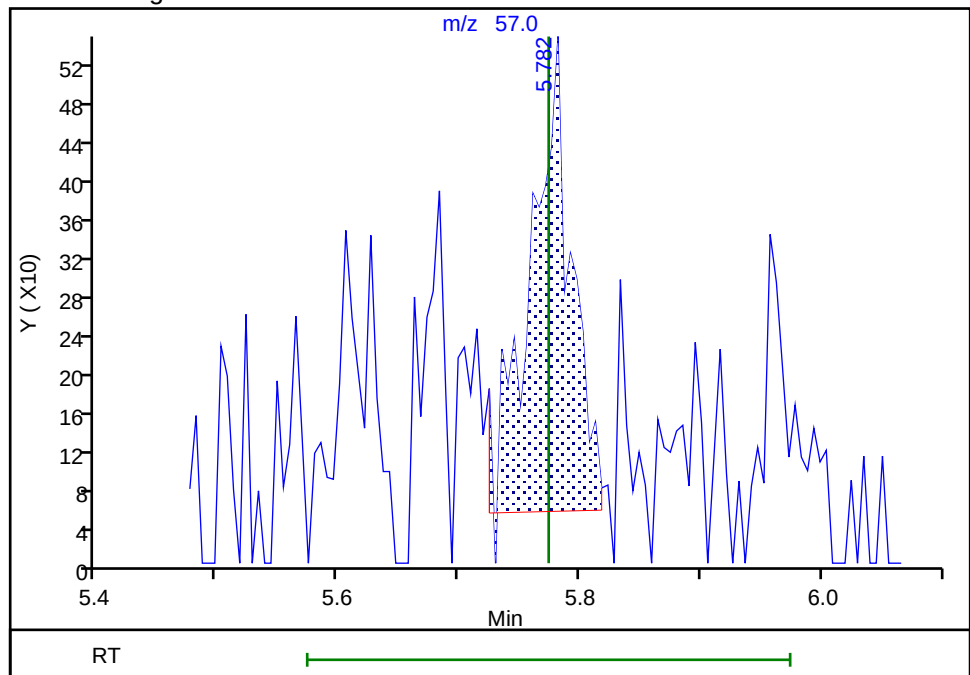
RT: 5.78
Area: 1173
Amount: 0.136504
Amount Units: ppb v/v

Processing Integration Results



RT: 5.78
Area: 1173
Amount: 0.136504
Amount Units: ppb v/v

Manual Integration Results



Reviewer: barlozhetskayaa, 24-May-2021 13:13:03

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

MSA TO14A_15 Routine ICAL

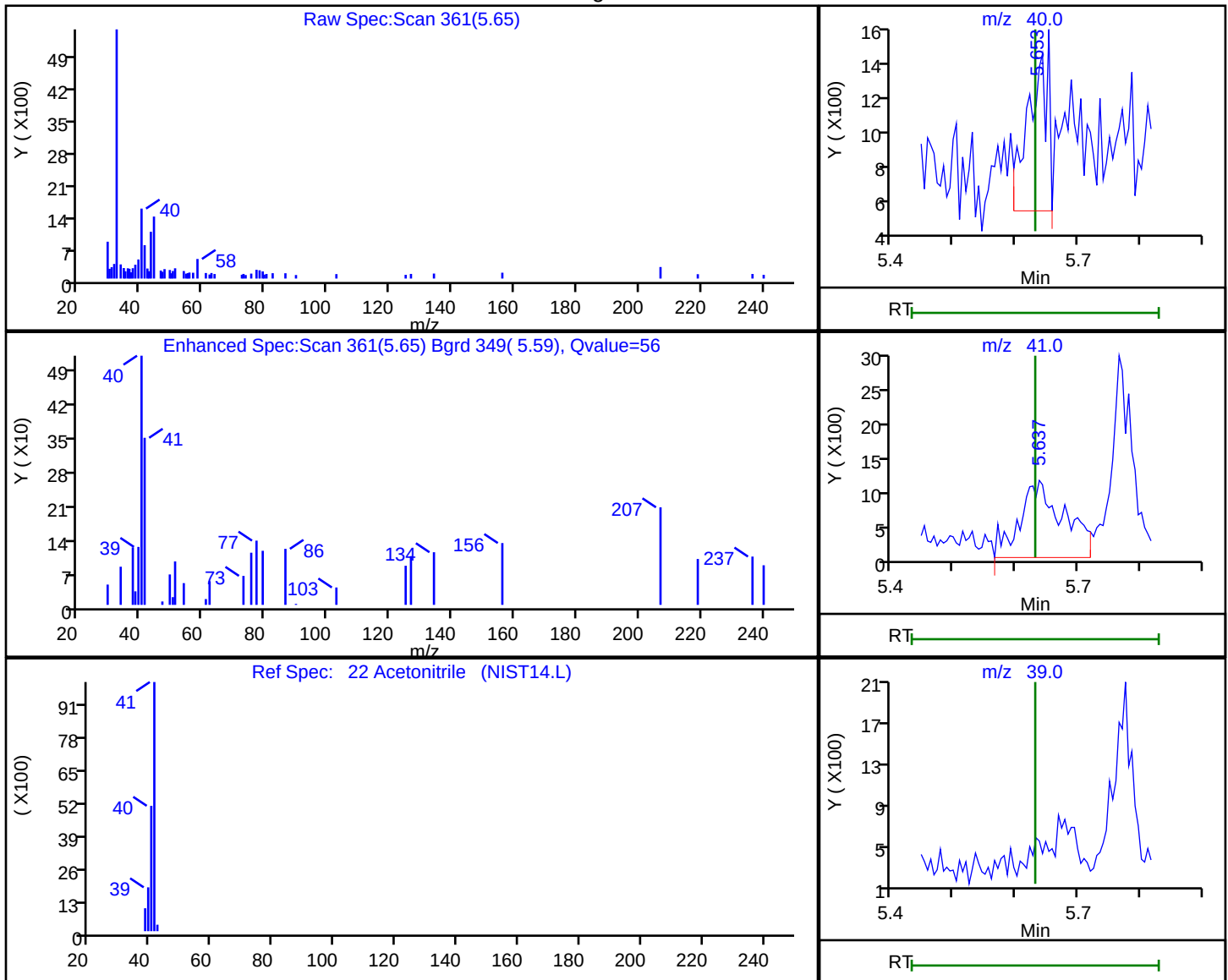
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
5.65	40.00	1930	0.086289
5.64	41.00	5585	
5.65	39.00	0	

Reviewer: barlozhetskayaa, 24-May-2021 13:12:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

MSA TO14A_15 Routine ICAL

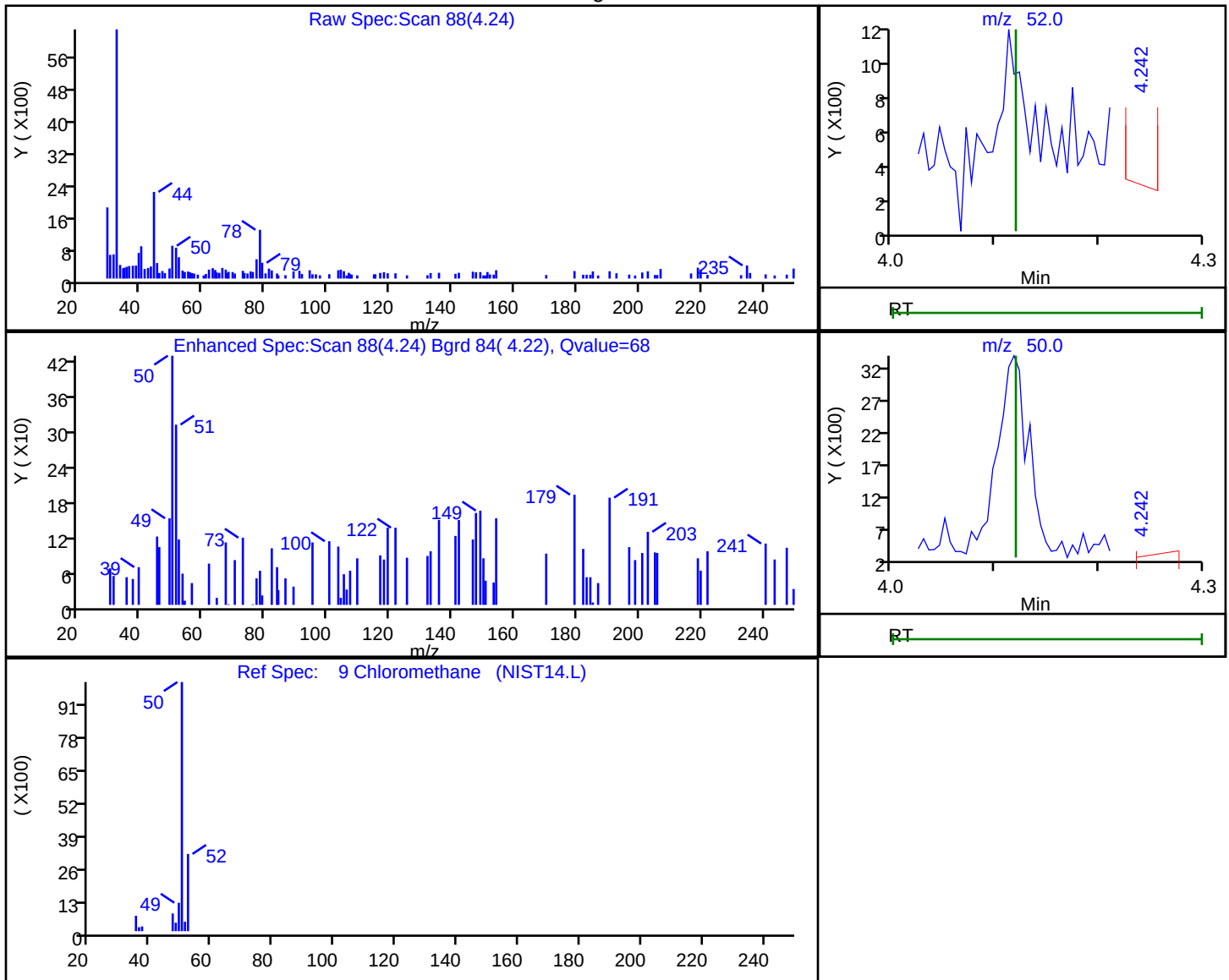
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

9 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
4.24	52.00	231	0.013918
4.24	50.00	448	

Reviewer: barlozhetskayaa, 24-May-2021 13:19:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22C03.D

Injection Date: 22-May-2021 14:54:30

Instrument ID: MH

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#:

1

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

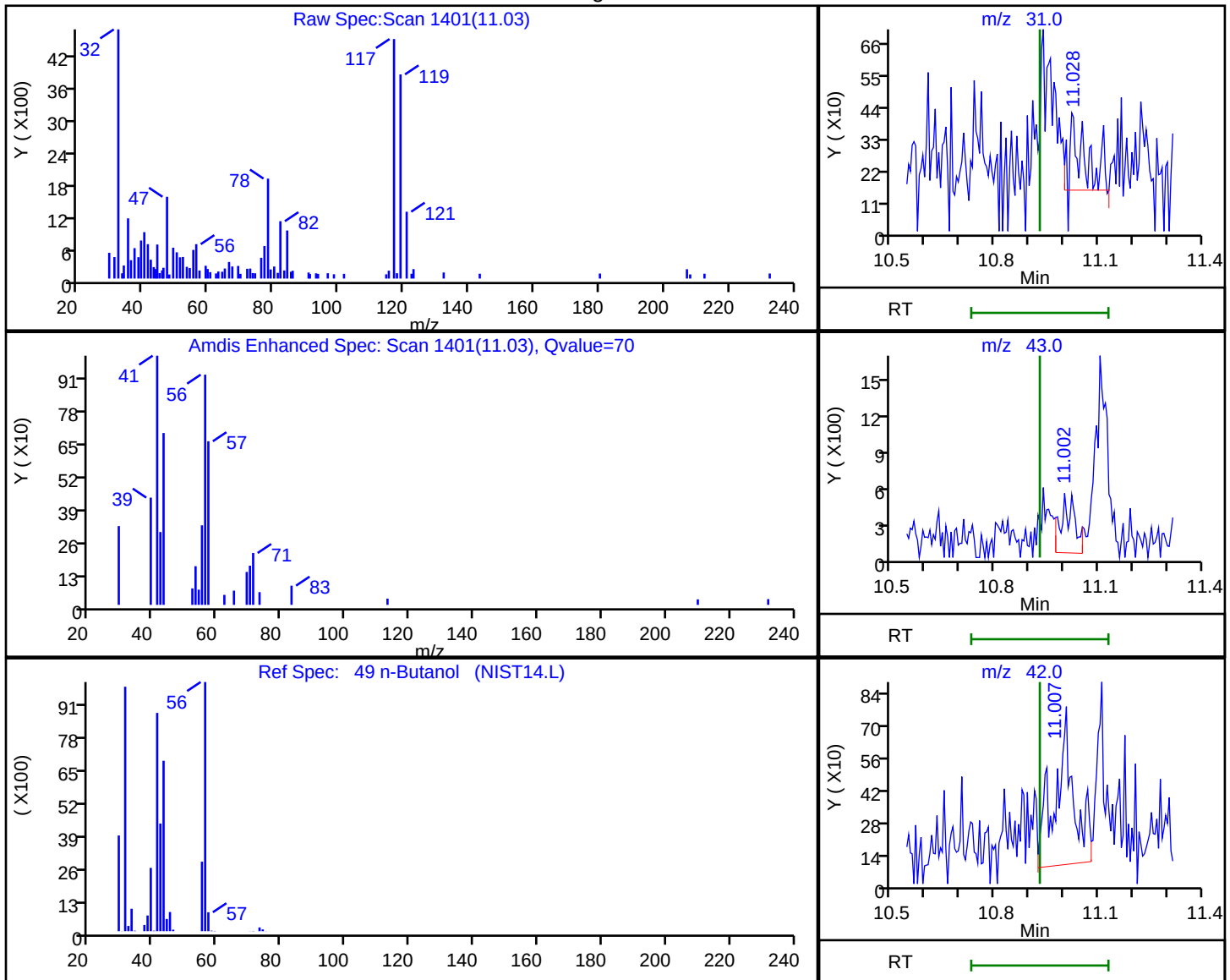
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

49 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
11.03	31.00	783	0.042638
11.00	43.00	1263	
11.01	42.00	2575	

Reviewer: barlozhetskayaa, 24-May-2021 13:13:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC04.D
 Lims ID: IC L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 22-May-2021 15:37:30 ALS Bottle#: 2 Worklist Smp#: 12
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-012
 Misc. Info.: 387800
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:47 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 24-May-2021 09:25:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.358	9.360	-0.002	85	249166	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.535	-0.001	94	1074850	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	87	867543	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.860	17.863	-0.003	96	660834	4.64	4.41	
6 Chlorodifluoromethane	51	3.849	3.847	0.002	99	17017	0.1600	0.1663	
7 Propene	41	3.859	3.861	-0.002	90	7752	0.1600	0.1735	
8 Dichlorodifluoromethane	85	3.911	3.914	-0.003	99	31822	0.1600	0.1697	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.118	4.121	-0.003	85	21820	0.1600	0.1623	
9 Chloromethane	52	4.112	4.119	-0.007	55	2693	0.1600	0.1680	
11 Acetaldehyde	44	4.288	4.286	0.002	88	19222	0.8000	0.9144	
12 Vinyl chloride	62	4.304	4.304	0.000	99	9749	0.1600	0.1766	
13 Butane	43	4.402	4.400	0.002	82	13191	0.1600	0.1594	
14 Butadiene	54	4.397	4.401	-0.004	76	6562	0.1600	0.1670	
15 Bromomethane	94	4.758	4.761	-0.003	96	11388	0.1600	0.1790	
16 Chloroethane	64	4.908	4.915	-0.007	76	4073	0.1600	0.1844	
17 Ethanol	31	5.012	5.011	0.001	97	24120	0.8000	0.9091	
18 Vinyl bromide	106	5.244	5.250	-0.006	94	10391	0.1600	0.1638	
19 2-Methylbutane	43	5.296	5.297	-0.001	92	9225	0.1600	0.1561	
20 Trichlorofluoromethane	101	5.539	5.539	0.000	98	31652	0.1600	0.1664	
21 Acrolein	56	5.559	5.556	0.003	59	1847	0.1600	0.1106	
22 Acetonitrile	40	5.632	5.630	0.002	95	5060	0.1600	0.2337	
23 Acetone	58	5.678	5.681	-0.003	99	14255	0.4800	0.5940	
25 Isopropyl alcohol	45	5.761	5.761	0.000	92	28234	0.4800	0.4218	
24 Pentane	72	5.771	5.774	-0.003	94	1168	0.1600	0.2032	
26 Ethyl ether	31	5.957	5.958	-0.001	85	6851	0.1600	0.1239	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	99	8479	0.1600	0.1516	
29 2-Methyl-2-propanol	59	6.407	6.403	0.004	89	9680	0.1600	0.1401	
28 Acrylonitrile	53	6.428	6.427	0.001	87	4979	0.1600	0.1415	
30 112TCTFE	101	6.490	6.489	0.001	95	24582	0.1600	0.1679	
31 Methylene Chloride	84	6.681	6.685	-0.004	96	9431	0.1600	0.1614	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.702	6.698	0.004	90	7011	0.1600	0.1574	
33 Carbon disulfide	76	6.862	6.861	0.001	100	24208	0.1600	0.1580	
34 trans-1,2-Dichloroethene	96	7.534	7.539	-0.005	93	7735	0.1600	0.1466	
35 2-Methylpentane	43	7.549	7.547	0.002	87	12949	0.1600	0.1314	
36 Methyl tert-butyl ether	73	7.668	7.663	0.005	91	12735	0.1600	0.1218	
37 1,1-Dichloroethane	63	7.983	7.986	-0.003	98	16620	0.1600	0.1604	
38 Vinyl acetate	43	8.082	8.083	-0.001	97	11853	0.1600	0.1000	
39 2-Butanone (MEK)	72	8.552	8.554	-0.002	94	3644	0.1600	0.1610	
40 Hexane	56	8.573	8.574	-0.001	71	4934	0.1600	0.1411	
41 Isopropyl ether	45	8.733	8.733	0.000	84	16794	0.1600	0.1173	
42 cis-1,2-Dichloroethene	96	9.012	9.012	0.000	90	7692	0.1600	0.1414	
43 Ethyl acetate	43	9.183	9.183	-0.001	97	17131	0.1600	0.1487	
44 Chloroform	83	9.363	9.366	-0.003	89	23105	0.1600	0.1681	
45 Tert-butyl ethyl ether	59	9.441	9.436	0.005	90	13850	0.1600	0.1162	
46 Tetrahydrofuran	42	9.787	9.769	0.018	87	6822	0.1600	0.1365	
47 1,1,1-Trichloroethane	97	10.418	10.419	-0.001	98	21347	0.1600	0.1652	
48 1,2-Dichloroethane	62	10.531	10.531	0.000	98	13464	0.1600	0.1642	
49 n-Butanol	31	10.945	10.930	0.015	60	2318	0.1600	0.1277	
50 Cyclohexane	69	11.002	11.009	-0.007	52	2344	0.1600	0.1226	
51 Benzene	78	11.012	11.012	0.000	97	22081	0.1600	0.1496	
52 Carbon tetrachloride	117	11.028	11.031	-0.003	98	24196	0.1600	0.1543	
53 2,3-Dimethylpentane	71	11.121	11.112	0.009	82	3223	0.1600	0.1236	
54 Thiophene	84	11.276	11.284	-0.008	94	11698	0.1600	0.1383	
55 Isooctane	57	11.736	11.739	-0.003	92	24411	0.1600	0.1172	
56 n-Heptane	71	12.113	12.106	0.007	80	4135	0.1600	0.1058	
57 1,2-Dichloropropane	63	12.211	12.210	0.001	88	10294	0.1600	0.1556	
58 Trichloroethene	130	12.237	12.242	-0.005	96	12475	0.1600	0.1472	
59 Dibromomethane	93	12.330	12.334	-0.004	93	14240	0.1600	0.1616	
60 Dichlorobromomethane	83	12.464	12.471	-0.007	97	21232	0.1600	0.1575	
61 1,4-Dioxane	88	12.490	12.478	0.012	46	2678	0.1600	0.1326	
62 Methyl methacrylate	41	12.547	12.539	0.008	89	7519	0.1600	0.1158	
63 Methylcyclohexane	83	13.002	12.998	0.004	88	7822	0.1600	0.1619	
64 4-Methyl-2-pentanone (MIBK)	43	13.379	13.383	-0.004	97	13158	0.1600	0.1107	
65 cis-1,3-Dichloropropene	75	13.452	13.452	0.000	97	10564	0.1600	0.1279	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	96	7548	0.1600	0.1136	
67 Toluene	91	14.263	14.266	-0.003	93	17571	0.1600	0.0904	
68 1,1,2-Trichloroethane	83	14.346	14.341	0.005	94	11333	0.1600	0.1645	
69 2-Hexanone	58	14.718	14.705	0.013	89	4413	0.1600	0.0953	
70 n-Octane	85	14.925	14.924	0.001	81	3078	0.1600	0.1685	
71 Chlorodibromomethane	129	15.043	15.043	0.000	96	23683	0.1600	0.1484	
72 Ethylene Dibromide	107	15.333	15.335	-0.002	98	17989	0.1600	0.1498	
73 Tetrachloroethene	129	15.395	15.398	-0.003	95	13204	0.1600	0.1534	
75 2,3-Dimethylheptane	43	16.258	16.258	0.000	88	25860	0.1600	0.1429	
74 Chlorobenzene	112	16.268	16.269	-0.001	95	29252	0.1600	0.1642	
76 Ethylbenzene	91	16.547	16.547	0.000	98	24287	0.1600	0.0920	
77 m-Xylene & p-Xylene	91	16.702	16.707	-0.005	97	38970	0.3200	0.1757	
78 n-Nonane	57	17.100	17.098	0.002	82	7222	0.1600	0.1710	
79 Bromoform	173	17.168	17.171	-0.003	94	27311	0.1600	0.1063	
80 Styrene	104	17.168	17.171	-0.003	68	12950	0.1600	0.1108	
81 o-Xylene	91	17.235	17.231	0.004	98	23948	0.1600	0.1006	
82 1,1,2,2-Tetrachloroethane	83	17.560	17.562	-0.002	98	28407	0.1600	0.1536	
83 1,2,3-Trichloropropane	110	17.726	17.727	-0.001	96	5723	0.1600	0.1446	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.824	17.825	-0.001	96	24506	0.1600	0.0922	
85 N-Propylbenzene	120	18.367	18.365	0.002	98	6377	0.1600	0.0870	
86 2-Chlorotoluene	126	18.413	18.418	-0.005	97	9605	0.1600	0.1128	
87 4-Ethyltoluene	105	18.517	18.514	0.003	97	27192	0.1600	0.0927	
88 1,3,5-Trimethylbenzene	120	18.584	18.586	-0.002	91	11776	0.1600	0.1471	
89 Alpha Methyl Styrene	118	18.816	18.821	-0.005	82	9382	0.1600	0.1901	
90 n-Decane	57	18.858	18.859	-0.001	87	14951	0.1600	0.0831	
91 tert-Butylbenzene	119	19.023	19.018	0.005	89	30016	0.1600	0.1058	
92 1,2,4-Trimethylbenzene	105	19.033	19.031	0.002	96	30313	0.1600	0.1450	
93 sec-Butylbenzene	105	19.287	19.288	-0.001	96	35758	0.1600	0.0940	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	97	31834	0.1600	0.1419	
95 Benzyl chloride	91	19.390	19.387	0.003	97	22392	0.1600	0.1013	
96 1,4-Dichlorobenzene	146	19.400	19.401	-0.001	96	28205	0.1600	0.1325	
97 4-Isopropyltoluene	119	19.452	19.449	0.003	95	33059	0.1600	0.1434	
98 1,2,3-Trimethylbenzene	105	19.509	19.511	-0.002	98	29639	0.1600	0.1429	
99 Butylcyclohexane	83	19.555	19.557	-0.002	90	26144	0.1600	0.1211	
101 2,3-Dihydroindene	117	19.762	19.762	0.000	86	28219	0.1600	0.1083	
100 1,2-Dichlorobenzene	146	19.767	19.768	-0.001	98	32719	0.1600	0.1423	
102 Indene	116	19.897	19.896	0.001	84	25950	0.1600	0.1058	
103 n-Butylbenzene	91	19.886	19.888	-0.002	94	41332	0.1600	0.1085	
104 Undecane	57	20.181	20.182	-0.001	84	17023	0.1600	0.0758	
105 1,2-Dibromo-3-Chloropropane	157	20.372	20.377	-0.005	93	15320	0.1600	0.1204	
106 1,2,4,5-Tetramethylbenzene	119	20.667	20.664	0.003	95	25042	0.1600	0.1253	
107 Dodecane	57	21.297	21.294	0.003	79	15783	0.1600	0.0656	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	92	20900	0.1600	0.1162	
109 Naphthalene	128	21.664	21.666	-0.002	99	27314	0.1600	0.0862	
110 Hexachlorobutadiene	225	21.824	21.826	-0.002	91	42452	0.1600	0.1562	
111 1,2,3-Trichlorobenzene	180	21.886	21.886	0.000	93	21343	0.1600	0.1142	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	93	4866	0.1600	0.0311	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	94	10744	0.1600	0.0580	
A 115 C8 Range	1	14.925	(14.883-14.966)		0	64099	0.1600	0.1191	
S 116 Xylenes, Total	100				0		0.4800	0.2763	
S 117 1,2-Dichloroethene, Total	1				0		0.3200	0.2880	

QC Flag Legend

Processing Flags

Reagents:

40L4DQP_00027

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:47

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC04.D

Injection Date: 22-May-2021 15:37:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L4

Worklist Smp#: 12

Client ID:

Purge Vol: 500.000 mL

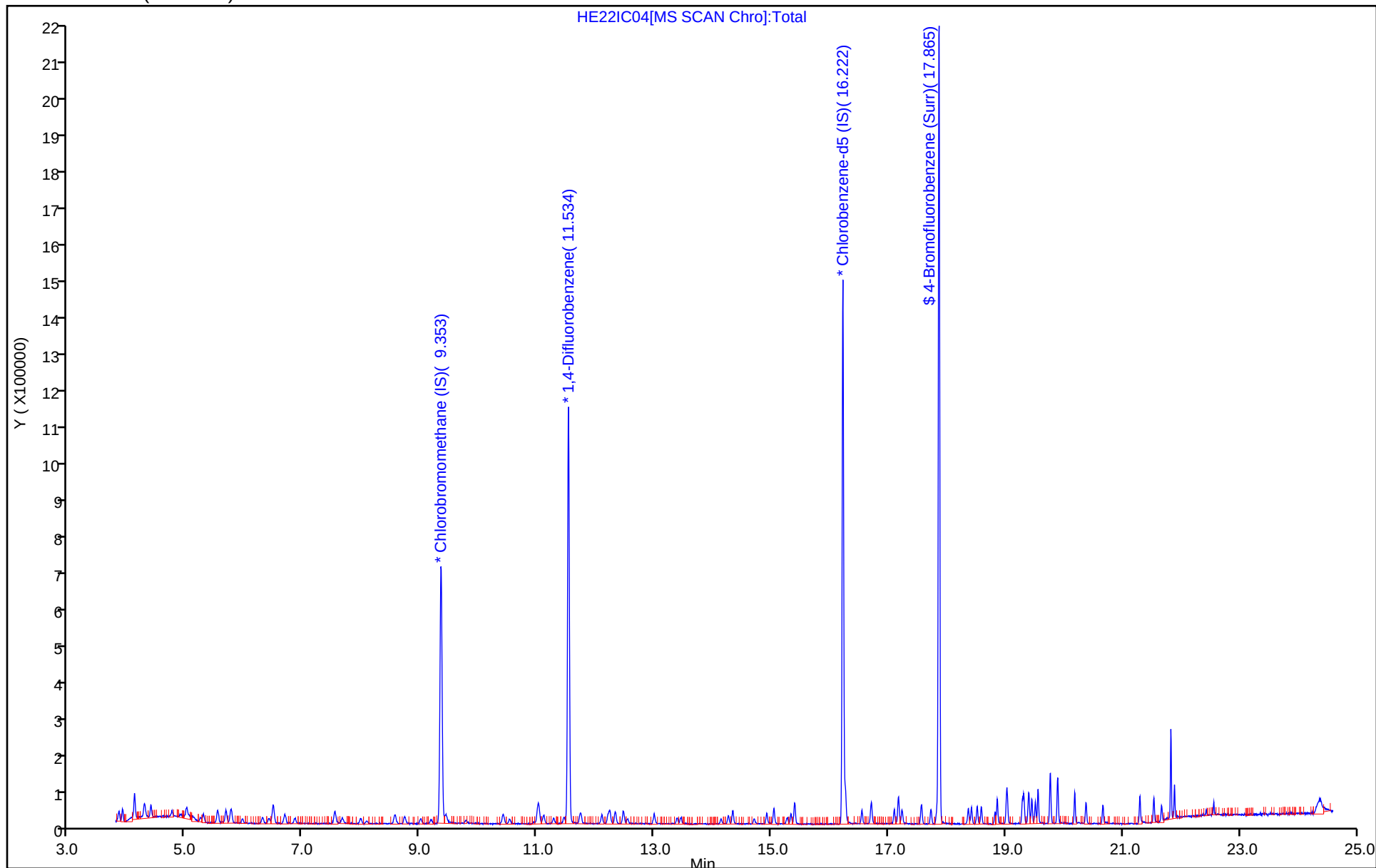
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC04.D

Injection Date: 22-May-2021 15:37:30

Instrument ID: MH

Lims ID: IC L4

Client ID:

Operator ID: HMT

ALS Bottle#: 2

Worklist Smp#: 12

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

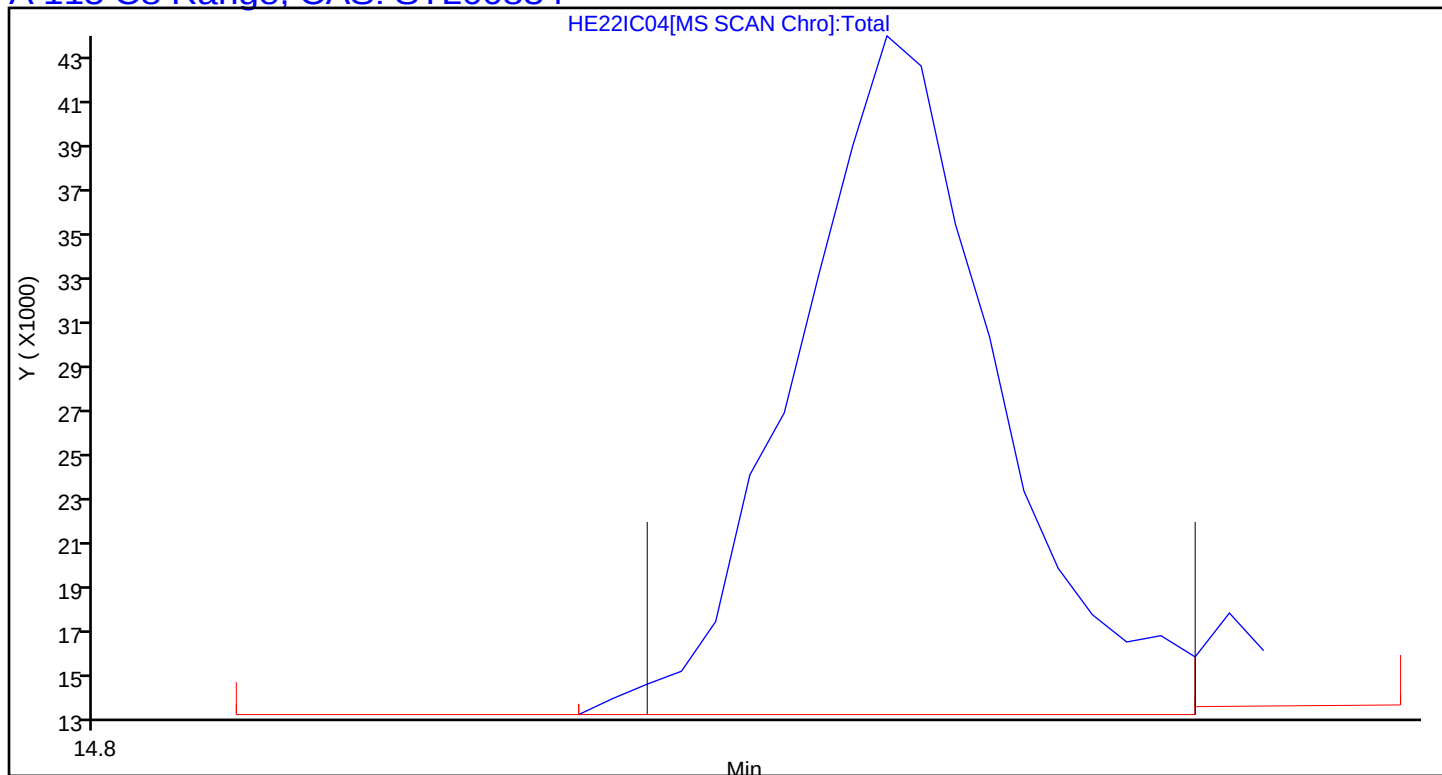
Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC05.D
 Lims ID: IC L5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 22-May-2021 16:23:30 ALS Bottle#: 3 Worklist Smp#: 13
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-013
 Misc. Info.: 387799
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:53 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 24-May-2021 10:25:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.358	9.360	-0.002	87	251013	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.535	-0.001	94	1107018	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	87	884245	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.860	17.863	-0.003	96	716349	4.64	4.69	
6 Chlorodifluoromethane	51	3.849	3.847	0.002	97	43376	0.4000	0.4209	
7 Propene	41	3.864	3.861	0.003	96	18609	0.4000	0.4133	
8 Dichlorodifluoromethane	85	3.916	3.914	0.002	100	79155	0.4000	0.4190	
9 Chloromethane	52	4.118	4.119	-0.001	53	7233	0.4000	0.4478	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.123	4.121	0.002	87	56077	0.4000	0.4140	
11 Acetaldehyde	44	4.288	4.286	0.002	90	47995	2.00	2.27	
12 Vinyl chloride	62	4.309	4.304	0.005	99	23083	0.4000	0.4150	
14 Butadiene	54	4.407	4.401	0.006	70	16204	0.4000	0.4093	
13 Butane	43	4.407	4.400	0.007	83	32086	0.4000	0.3849	
15 Bromomethane	94	4.764	4.761	0.003	96	22875	0.4000	0.3570	
16 Chloroethane	64	4.919	4.915	0.004	78	9055	0.4000	0.4070	
17 Ethanol	31	5.012	5.011	0.001	97	53092	2.00	1.99	
18 Vinyl bromide	106	5.250	5.250	0.000	97	25818	0.4000	0.4039	
19 2-Methylbutane	43	5.301	5.297	0.004	93	23445	0.4000	0.3938	
20 Trichlorofluoromethane	101	5.539	5.539	0.000	99	80940	0.4000	0.4224	
21 Acrolein	56	5.565	5.556	0.009	89	6693	0.4000	0.3979	
22 Acetonitrile	40	5.637	5.630	0.007	98	6263	0.4000	0.2872	
23 Acetone	58	5.684	5.681	0.003	99	34042	1.20	1.41	
25 Isopropyl alcohol	45	5.756	5.761	-0.005	94	74405	1.20	1.10	
24 Pentane	72	5.787	5.774	0.013	95	2404	0.4000	0.4152	
26 Ethyl ether	31	5.963	5.958	0.005	86	21169	0.4000	0.3800	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	100	21661	0.4000	0.3843	
29 2-Methyl-2-propanol	59	6.402	6.403	-0.001	94	24545	0.4000	0.3526	
28 Acrylonitrile	53	6.423	6.427	-0.004	91	13656	0.4000	0.3852	
30 112TCTFE	101	6.490	6.489	0.001	95	62427	0.4000	0.4233	
31 Methylene Chloride	84	6.686	6.685	0.001	98	22827	0.4000	0.3877	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.697	6.698	-0.001	95	17456	0.4000	0.3891	
33 Carbon disulfide	76	6.862	6.861	0.001	100	60250	0.4000	0.3904	
34 trans-1,2-Dichloroethene	96	7.544	7.539	0.005	97	19979	0.4000	0.3758	
35 2-Methylpentane	43	7.549	7.547	0.002	92	35839	0.4000	0.3610	
36 Methyl tert-butyl ether	73	7.663	7.663	0.000	93	37391	0.4000	0.3549	
37 1,1-Dichloroethane	63	7.989	7.986	0.003	99	41547	0.4000	0.3980	
38 Vinyl acetate	43	8.087	8.083	0.004	99	35814	0.4000	0.3000	
39 2-Butanone (MEK)	72	8.552	8.554	-0.002	96	8983	0.4000	0.3939	
40 Hexane	56	8.573	8.574	-0.001	84	13886	0.4000	0.3943	
41 Isopropyl ether	45	8.728	8.733	-0.005	88	50918	0.4000	0.3531	
42 cis-1,2-Dichloroethene	96	9.012	9.012	0.000	93	20365	0.4000	0.3716	
43 Ethyl acetate	43	9.183	9.183	0.000	97	43424	0.4000	0.3743	
44 Chloroform	83	9.369	9.366	0.003	36	58107	0.4000	0.4196	
45 Tert-butyl ethyl ether	59	9.436	9.436	0.000	94	42596	0.4000	0.3549	
46 Tetrahydrofuran	42	9.767	9.769	-0.002	87	16247	0.4000	0.3228	
47 1,1,1-Trichloroethane	97	10.423	10.419	0.004	97	50760	0.4000	0.3900	
48 1,2-Dichloroethane	62	10.532	10.531	0.001	97	32512	0.4000	0.3850	
49 n-Butanol	31	10.945	10.930	0.015	75	5022	0.4000	0.2687	
50 Cyclohexane	69	11.017	11.009	0.008	58	6024	0.4000	0.3058	
51 Benzene	78	11.007	11.012	-0.005	97	60329	0.4000	0.3968	
52 Carbon tetrachloride	117	11.028	11.031	-0.003	98	63067	0.4000	0.3904	
53 2,3-Dimethylpentane	71	11.110	11.112	-0.002	86	9806	0.4000	0.3651	
54 Thiophene	84	11.281	11.284	-0.003	95	32184	0.4000	0.3693	
55 Isooctane	57	11.741	11.739	0.002	93	70265	0.4000	0.3276	
56 n-Heptane	71	12.108	12.106	0.002	85	11233	0.4000	0.2791	
57 1,2-Dichloropropane	63	12.211	12.210	0.001	86	25816	0.4000	0.3789	
58 Trichloroethene	130	12.242	12.242	0.000	96	32746	0.4000	0.3751	
59 Dibromomethane	93	12.335	12.334	0.001	94	36272	0.4000	0.3997	
60 Dichlorobromomethane	83	12.470	12.471	-0.001	98	52911	0.4000	0.3811	
61 1,4-Dioxane	88	12.480	12.478	0.002	34	6305	0.4000	0.3031	
62 Methyl methacrylate	41	12.537	12.539	-0.002	88	20631	0.4000	0.3085	
63 Methylcyclohexane	83	12.997	12.998	-0.001	84	21561	0.4000	0.3025	
64 4-Methyl-2-pentanone (MIBK)	43	13.385	13.383	0.002	97	38308	0.4000	0.3130	
65 cis-1,3-Dichloropropene	75	13.452	13.452	0.000	97	29871	0.4000	0.3511	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	97	20539	0.4000	0.3034	
67 Toluene	91	14.268	14.266	0.002	92	57742	0.4000	0.2913	
68 1,1,2-Trichloroethane	83	14.336	14.341	-0.005	96	28273	0.4000	0.4025	
69 2-Hexanone	58	14.702	14.705	-0.003	87	11785	0.4000	0.2496	
70 n-Octane	85	14.925	14.924	0.001	88	12029	0.4000	0.3499	
71 Chlorodibromomethane	129	15.044	15.043	0.001	97	63006	0.4000	0.3874	
72 Ethylene Dibromide	107	15.333	15.335	-0.002	97	45477	0.4000	0.3716	
73 Tetrachloroethene	129	15.400	15.398	0.002	96	34243	0.4000	0.3902	
75 2,3-Dimethylheptane	43	16.258	16.258	0.000	93	70023	0.4000	0.3798	
74 Chlorobenzene	112	16.269	16.269	-0.001	97	74773	0.4000	0.4117	
76 Ethylbenzene	91	16.548	16.547	0.001	98	70376	0.4000	0.2615	
77 m-Xylene & p-Xylene	91	16.708	16.707	0.001	98	132115	0.8000	0.5844	
78 n-Nonane	57	17.101	17.098	0.003	88	27357	0.4000	0.3400	
80 Styrene	104	17.173	17.171	0.002	76	47445	0.4000	0.3451	
79 Bromoform	173	17.173	17.171	0.002	93	78213	0.4000	0.2987	
81 o-Xylene	91	17.230	17.231	-0.001	99	79189	0.4000	0.3265	
82 1,1,2,2-Tetrachloroethane	83	17.561	17.562	-0.001	99	70893	0.4000	0.3761	
83 1,2,3-Trichloropropane	110	17.726	17.727	-0.001	96	15263	0.4000	0.3783	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.824	17.825	-0.001	97	78333	0.4000	0.2890	
85 N-Propylbenzene	120	18.367	18.365	0.002	99	21591	0.4000	0.2891	
86 2-Chlorotoluene	126	18.413	18.418	-0.005	97	32061	0.4000	0.3694	
87 4-Ethyltoluene	105	18.517	18.514	0.003	98	96763	0.4000	0.3238	
88 1,3,5-Trimethylbenzene	120	18.589	18.586	0.003	92	42121	0.4000	0.3604	
89 Alpha Methyl Styrene	118	18.822	18.821	0.001	90	34274	0.4000	0.3541	
90 n-Decane	57	18.858	18.859	-0.001	89	58191	0.4000	0.3174	
91 tert-Butylbenzene	119	19.018	19.018	0.000	95	97672	0.4000	0.3379	
92 1,2,4-Trimethylbenzene	105	19.028	19.031	-0.003	96	102805	0.4000	0.3716	
93 sec-Butylbenzene	105	19.287	19.288	-0.001	98	121207	0.4000	0.3125	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	97	88765	0.4000	0.3881	
95 Benzyl chloride	91	19.385	19.387	-0.002	98	65382	0.4000	0.2902	
96 1,4-Dichlorobenzene	146	19.401	19.401	0.000	96	81212	0.4000	0.3744	
97 4-Isopropyltoluene	119	19.447	19.449	-0.002	97	116424	0.4000	0.3631	
98 1,2,3-Trimethylbenzene	105	19.509	19.511	-0.002	99	102922	0.4000	0.3675	
99 Butylcyclohexane	83	19.556	19.557	-0.001	93	83156	0.4000	0.3779	
101 2,3-Dihydroindene	117	19.762	19.762	0.000	90	93738	0.4000	0.3531	
100 1,2-Dichlorobenzene	146	19.762	19.768	-0.006	93	90933	0.4000	0.3880	
103 n-Butylbenzene	91	19.886	19.888	-0.002	95	131779	0.4000	0.3394	
102 Indene	116	19.897	19.896	0.001	86	85323	0.4000	0.3412	
104 Undecane	57	20.181	20.182	-0.001	91	62627	0.4000	0.2737	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	96	42866	0.4000	0.3304	
106 1,2,4,5-Tetramethylbenzene	119	20.667	20.664	0.003	97	89350	0.4000	0.3134	
107 Dodecane	57	21.292	21.294	-0.002	87	59827	0.4000	0.2438	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	93	59047	0.4000	0.3222	
109 Naphthalene	128	21.669	21.666	0.003	99	90799	0.4000	0.2813	
110 Hexachlorobutadiene	225	21.825	21.826	-0.002	91	96996	0.4000	0.3502	
111 1,2,3-Trichlorobenzene	180	21.887	21.886	0.001	95	55426	0.4000	0.2910	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	98	16487	0.4000	0.1034	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	92	29932	0.4000	0.1586	
A 115 C8 Range	1	14.909	(14.863-14.956)		0	186240	0.4000	0.3361	
S 116 Xylenes, Total	100				0		1.20	0.9109	
S 117 1,2-Dichloroethene, Total	1				0		0.8000	0.7474	

QC Flag Legend

Processing Flags

Reagents:

40L5DQP_00026

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:54

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC05.D

Injection Date: 22-May-2021 16:23:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L5

Worklist Smp#: 13

Client ID:

Purge Vol: 500.000 mL

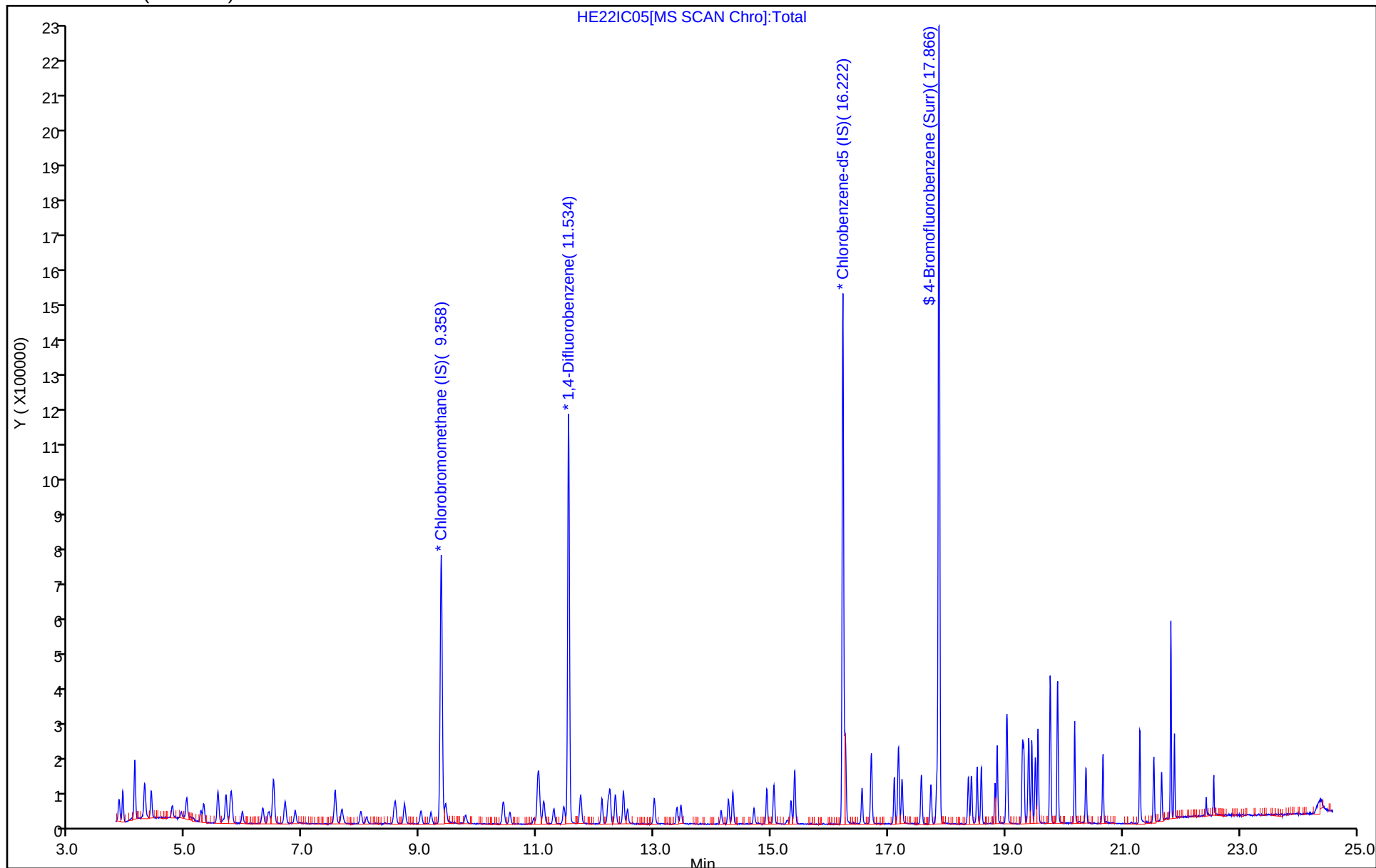
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC05.D

Injection Date: 22-May-2021 16:23:30

Instrument ID: MH

Lims ID: IC L5

Client ID:

Operator ID: HMT

ALS Bottle#:

3

Worklist Smp#:

13

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

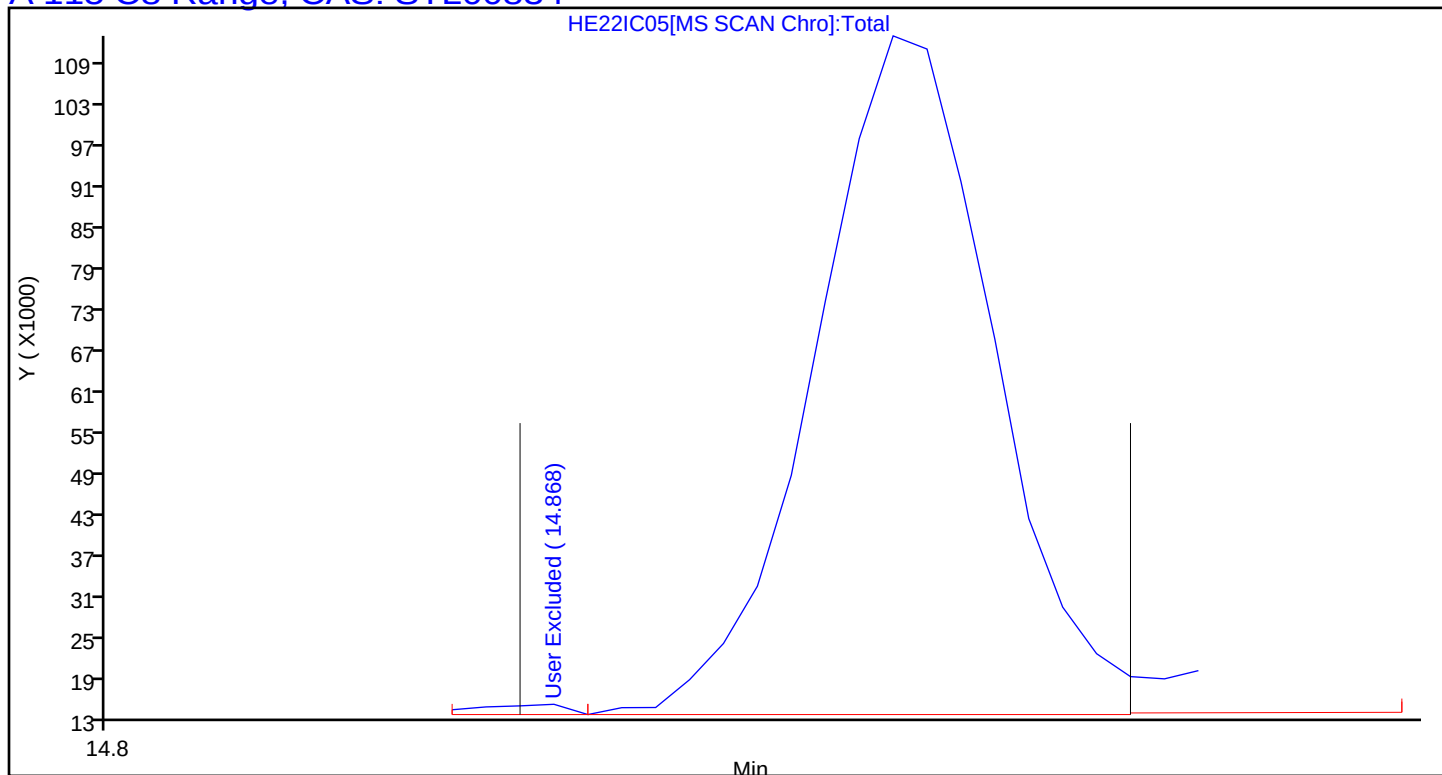
MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector

MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC06.D
 Lims ID: IC L6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 22-May-2021 17:08:30 ALS Bottle#: 4 Worklist Smp#: 14
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-014
 Misc. Info.: 387798
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:59 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 24-May-2021 10:25:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.358	9.360	-0.002	86	270412	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.535	-0.001	94	1193215	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	86	945670	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.866	17.863	0.003	96	792870	4.64	4.86	
6 Chlorodifluoromethane	51	3.849	3.847	0.002	97	115681	1.00	1.04	
7 Propene	41	3.864	3.861	0.003	98	48985	1.00	1.01	
8 Dichlorodifluoromethane	85	3.916	3.914	0.002	100	204963	1.00	1.01	
9 Chloromethane	52	4.123	4.119	0.004	53	17585	1.00	1.01	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.123	4.121	0.002	87	145544	1.00	1.00	
11 Acetaldehyde	44	4.288	4.286	0.002	91	116128	5.00	5.09	
12 Vinyl chloride	62	4.309	4.304	0.005	99	58615	1.00	0.9783	
14 Butadiene	54	4.402	4.401	0.001	71	41971	1.00	0.9840	
13 Butane	43	4.402	4.400	0.002	82	83180	1.00	0.9262	
15 Bromomethane	94	4.764	4.761	0.003	97	63497	1.00	0.9199	
16 Chloroethane	64	4.919	4.915	0.004	84	23535	1.00	0.9818	
17 Ethanol	31	5.007	5.011	-0.004	97	146545	5.00	5.09	
18 Vinyl bromide	106	5.250	5.250	0.000	97	70078	1.00	1.02	
19 2-Methylbutane	43	5.296	5.297	-0.001	92	66476	1.00	1.04	
20 Trichlorofluoromethane	101	5.544	5.539	0.005	99	207318	1.00	1.00	
21 Acrolein	56	5.555	5.556	-0.001	27	17484	1.00	0.9650	
22 Acetonitrile	40	5.627	5.630	-0.003	93	25625	1.00	1.09	
23 Acetone	58	5.673	5.681	-0.008	99	80505	3.00	3.09	
25 Isopropyl alcohol	45	5.751	5.761	-0.010	94	214954	3.00	2.96	
24 Pentane	72	5.782	5.774	0.008	96	6613	1.00	1.06	
26 Ethyl ether	31	5.958	5.958	0.000	90	55300	1.00	0.9214	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	99	58642	1.00	0.9658	
29 2-Methyl-2-propanol	59	6.392	6.403	-0.011	96	71931	1.00	0.9593	
28 Acrylonitrile	53	6.423	6.427	-0.004	92	36152	1.00	0.9467	
30 112TCTFE	101	6.495	6.489	0.006	94	158716	1.00	1.00	
31 Methylene Chloride	84	6.686	6.685	0.001	97	58590	1.00	0.9237	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.697	6.698	-0.001	97	48213	1.00	1.00	
33 Carbon disulfide	76	6.862	6.861	0.001	100	165673	1.00	1.00	
34 trans-1,2-Dichloroethene	96	7.539	7.539	0.000	97	55903	1.00	0.9760	
35 2-Methylpentane	43	7.550	7.547	0.003	94	107157	1.00	1.00	
36 Methyl tert-butyl ether	73	7.653	7.663	-0.010	93	112172	1.00	0.9883	
37 1,1-Dichloroethane	63	7.984	7.986	-0.002	99	109554	1.00	0.9742	
38 Vinyl acetate	43	8.082	8.083	-0.001	99	111671	1.00	0.8682	
39 2-Butanone (MEK)	72	8.547	8.554	-0.007	96	24547	1.00	1.00	
40 Hexane	56	8.578	8.574	0.004	87	38603	1.00	1.02	
41 Isopropyl ether	45	8.733	8.733	0.000	93	157715	1.00	1.02	
42 cis-1,2-Dichloroethene	96	9.017	9.012	0.005	93	57410	1.00	0.9725	
43 Ethyl acetate	43	9.178	9.183	-0.005	98	123188	1.00	0.9856	
44 Chloroform	83	9.369	9.366	0.003	53	145918	1.00	0.9780	
45 Tert-butyl ethyl ether	59	9.431	9.436	-0.005	97	128934	1.00	1.00	
46 Tetrahydrofuran	42	9.767	9.769	-0.002	89	51088	1.00	0.9422	
47 1,1,1-Trichloroethane	97	10.423	10.419	0.004	97	140353	1.00	1.00	
48 1,2-Dichloroethane	62	10.532	10.531	0.001	97	88714	1.00	0.9746	
49 n-Butanol	31	10.935	10.930	0.005	89	17349	1.00	0.8611	
51 Benzene	78	11.012	11.012	0.000	97	164503	1.00	1.00	
50 Cyclohexane	69	11.012	11.009	0.003	62	20619	1.00	0.9712	
52 Carbon tetrachloride	117	11.028	11.031	-0.003	96	164955	1.00	0.9474	
53 2,3-Dimethylpentane	71	11.111	11.112	-0.001	90	29038	1.00	1.00	
54 Thiophene	84	11.281	11.284	-0.003	95	95478	1.00	1.02	
55 Isooctane	57	11.741	11.739	0.002	95	218341	1.00	0.9446	
56 n-Heptane	71	12.103	12.106	-0.003	91	40131	1.00	0.9251	
57 1,2-Dichloropropane	63	12.211	12.210	0.001	91	72212	1.00	0.9832	
58 Trichloroethene	130	12.248	12.242	0.006	98	90837	1.00	0.9652	
59 Dibromomethane	93	12.335	12.334	0.001	94	96272	1.00	0.9842	
60 Dichlorobromomethane	83	12.470	12.471	-0.001	99	145130	1.00	0.9699	
61 1,4-Dioxane	88	12.475	12.478	-0.003	36	19730	1.00	0.8800	
62 Methyl methacrylate	41	12.537	12.539	-0.002	91	66595	1.00	0.9239	
63 Methylcyclohexane	83	12.997	12.998	-0.001	92	77057	1.00	0.8226	
64 4-Methyl-2-pentanone (MIBK)	43	13.379	13.383	-0.004	97	121533	1.00	0.9212	
65 cis-1,3-Dichloropropene	75	13.452	13.452	0.000	97	89135	1.00	0.9720	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	98	63805	1.00	0.8812	
67 Toluene	91	14.268	14.266	0.002	92	187382	1.00	0.8840	
68 1,1,2-Trichloroethane	83	14.341	14.341	0.000	97	75944	1.00	1.01	
69 2-Hexanone	58	14.703	14.705	-0.002	90	46189	1.00	0.9147	
70 n-Octane	85	14.920	14.924	-0.004	94	44654	1.00	0.9565	
71 Chlorodibromomethane	129	15.044	15.043	0.001	97	176682	1.00	1.02	
72 Ethylene Dibromide	107	15.333	15.335	-0.002	98	128104	1.00	0.9787	
73 Tetrachloroethene	129	15.400	15.398	0.002	97	94712	1.00	1.01	
75 2,3-Dimethylheptane	43	16.258	16.258	0.000	94	201726	1.00	1.02	
74 Chlorobenzene	112	16.269	16.269	0.000	97	198098	1.00	1.02	
76 Ethylbenzene	91	16.548	16.547	0.001	99	236443	1.00	0.8214	
77 m-Xylene & p-Xylene	91	16.708	16.707	0.001	98	431228	2.00	1.78	
78 n-Nonane	57	17.095	17.098	-0.003	92	104222	1.00	0.9325	
80 Styrene	104	17.173	17.171	0.002	97	153101	1.00	0.99	
79 Bromoform	173	17.173	17.171	0.002	95	223051	1.00	0.7965	
81 o-Xylene	91	17.230	17.231	-0.001	98	236316	1.00	0.9110	
82 1,1,2,2-Tetrachloroethane	83	17.561	17.562	-0.001	99	200445	1.00	0.99	
83 1,2,3-Trichloropropane	110	17.726	17.727	-0.001	97	43311	1.00	1.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.824	17.825	-0.001	97	290273	1.00	1.00	
85 N-Propylbenzene	120	18.367	18.365	0.002	99	77184	1.00	0.9664	
86 2-Chlorotoluene	126	18.419	18.418	0.001	97	95970	1.00	1.03	
87 4-Ethyltoluene	105	18.517	18.514	0.003	99	324378	1.00	1.01	
88 1,3,5-Trimethylbenzene	120	18.589	18.586	0.003	92	137528	1.00	0.9731	
89 Alpha Methyl Styrene	118	18.822	18.821	0.001	88	128200	1.00	0.9225	
90 n-Decane	57	18.858	18.859	-0.001	88	184457	1.00	0.9407	
91 tert-Butylbenzene	119	19.018	19.018	0.000	93	316018	1.00	1.02	
92 1,2,4-Trimethylbenzene	105	19.028	19.031	-0.003	96	318319	1.00	0.9857	
93 sec-Butylbenzene	105	19.287	19.288	-0.001	99	417138	1.00	1.01	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	96	255027	1.00	1.04	
95 Benzyl chloride	91	19.385	19.387	-0.002	98	223983	1.00	0.9296	
96 1,4-Dichlorobenzene	146	19.401	19.401	0.000	96	240515	1.00	1.04	
97 4-Isopropyltoluene	119	19.447	19.449	-0.002	96	378920	1.00	1.00	
98 1,2,3-Trimethylbenzene	105	19.509	19.511	-0.002	99	330245	1.00	1.00	
99 Butylcyclohexane	83	19.556	19.557	-0.001	95	261927	1.00	1.11	
101 2,3-Dihydroindene	117	19.762	19.762	0.000	92	310007	1.00	1.09	
100 1,2-Dichlorobenzene	146	19.768	19.768	0.000	98	264727	1.00	1.06	
103 n-Butylbenzene	91	19.886	19.888	-0.002	96	417119	1.00	1.00	
102 Indene	116	19.897	19.896	0.001	96	276683	1.00	1.03	
104 Undecane	57	20.181	20.182	-0.001	92	226091	1.00	0.9240	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	96	134931	1.00	0.9724	
106 1,2,4,5-Tetramethylbenzene	119	20.662	20.664	-0.002	97	353676	1.00	1.01	
107 Dodecane	57	21.292	21.294	-0.002	91	258414	1.00	0.9848	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	94	213765	1.00	1.09	
109 Naphthalene	128	21.664	21.666	-0.002	99	354131	1.00	1.03	
110 Hexachlorobutadiene	225	21.825	21.826	-0.001	91	282894	1.00	0.9550	
111 1,2,3-Trichlorobenzene	180	21.887	21.886	0.001	95	186503	1.00	0.9154	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	97	93631	1.00	0.5490	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	96	159858	1.00	0.7921	
A 115 C8 Range	1	14.914	(14.863-14.966)		0	560458	1.00	0.9384	
S 116 Xylenes, Total	100				0		3.00	2.69	
S 117 1,2-Dichloroethene, Total	1				0		2.00	1.95	

QC Flag Legend

Processing Flags

Reagents:

40L6DQP_00025

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:49:00

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC06.D

Injection Date: 22-May-2021 17:08:30

Instrument ID: MH

Operator ID: HMT

Lims ID: IC L6

Worklist Smp#: 14

Client ID:

Purge Vol: 500.000 mL

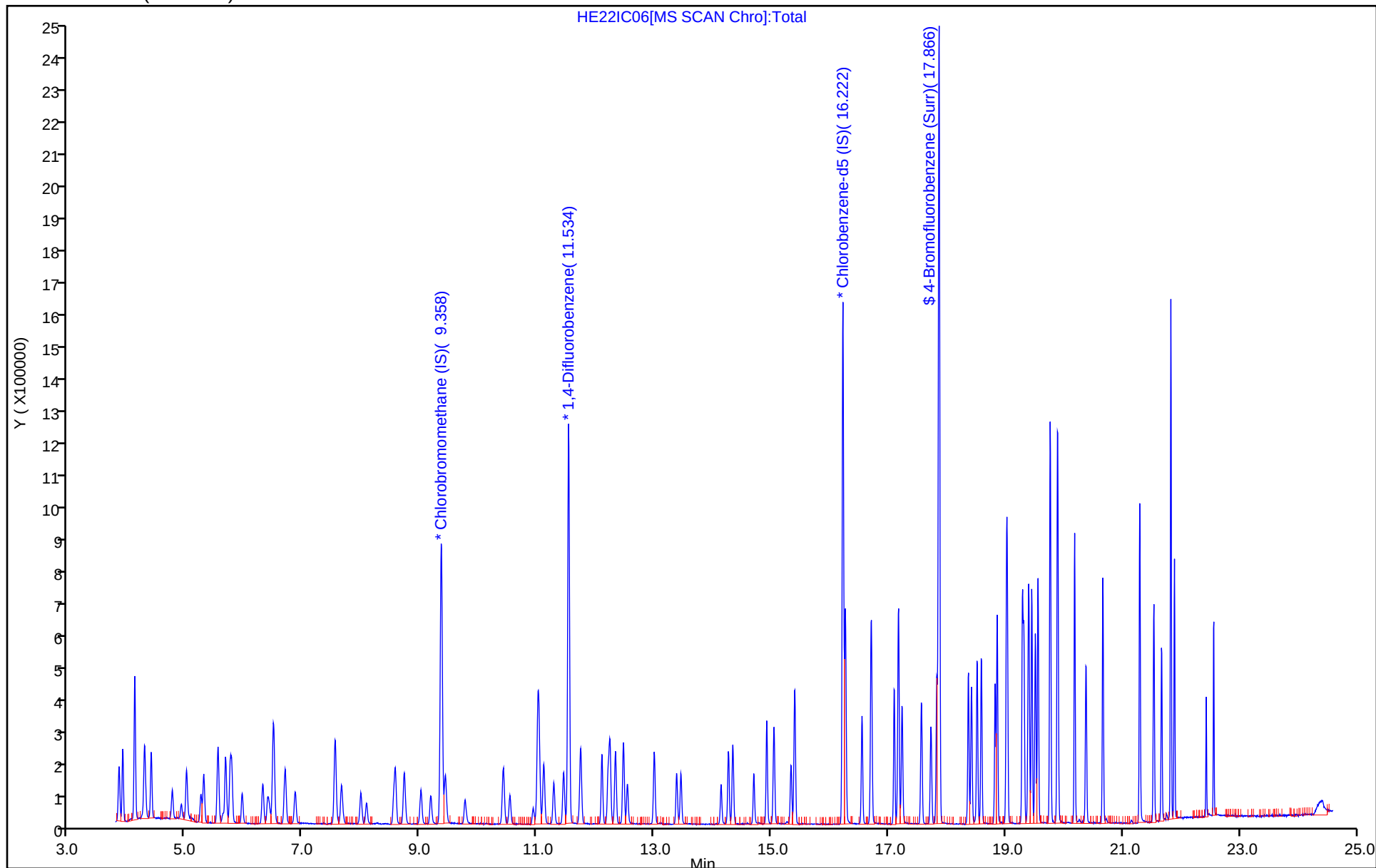
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC06.D

Injection Date: 22-May-2021 17:08:30

Instrument ID: MH

Lims ID: IC L6

Client ID:

Operator ID: HMT

ALS Bottle#: 4

Worklist Smp#: 14

Purge Vol: 500.000 mL

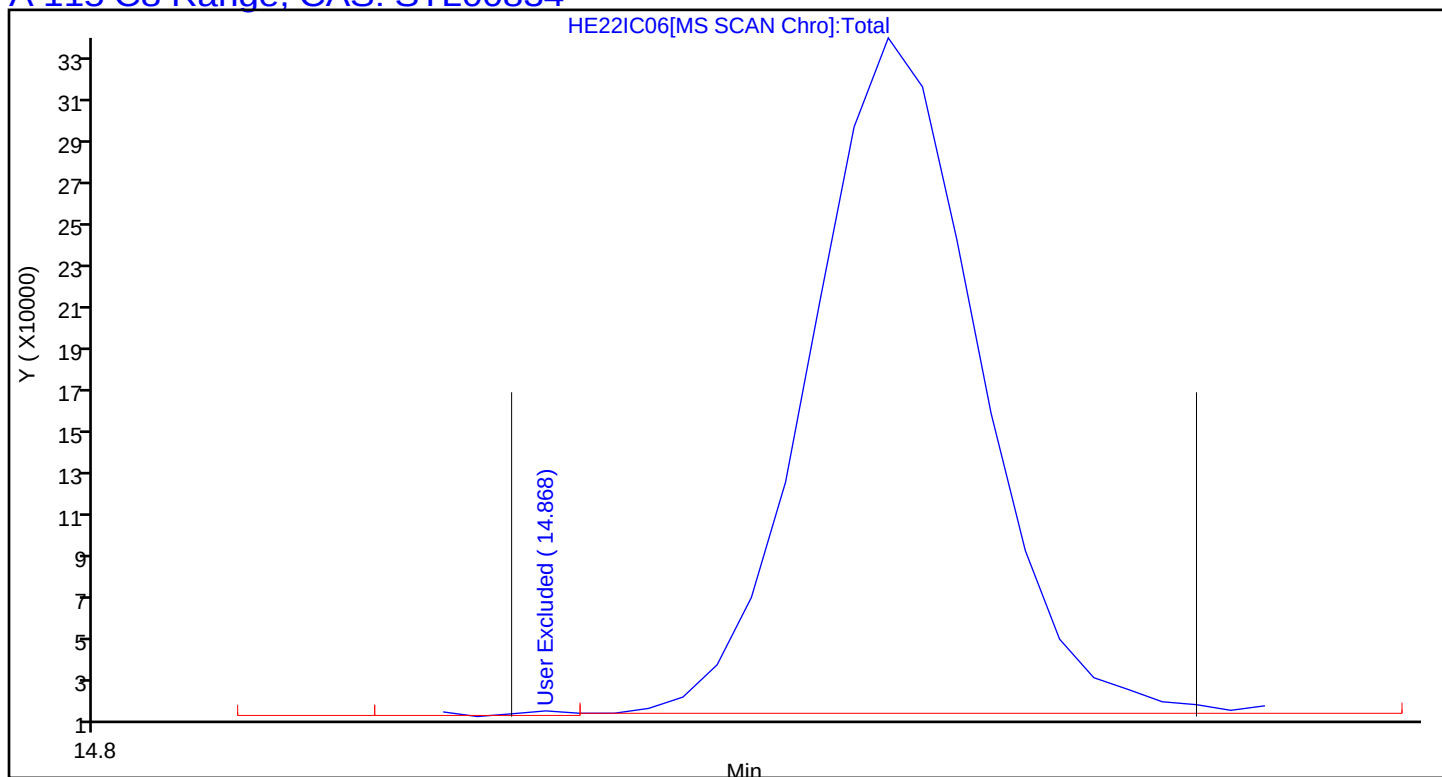
Dil. Factor: 1.0000

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Lims ID: ICIS L7
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 22-May-2021 17:53:30 ALS Bottle#: 5 Worklist Smp#: 15
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-015
 Misc. Info.: 387537
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:09 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 25-May-2021 13:48:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.363	9.360	0.003	90	293979	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.535	-0.001	94	1275417	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	86	1031731	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.865	17.863	0.002	96	864684	4.64	4.86	
6 Chlorodifluoromethane	51	3.844	3.847	-0.003	98	252814	2.00	2.09	
7 Propene	41	3.859	3.861	-0.002	97	114253	2.00	2.17	
8 Dichlorodifluoromethane	85	3.916	3.914	0.002	100	441098	2.00	1.99	
9 Chloromethane	52	4.123	4.119	0.004	53	39435	2.00	2.08	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.123	4.121	0.002	91	326358	2.00	2.06	
11 Acetaldehyde	44	4.283	4.286	-0.003	91	259847	10.0	10.5	
12 Vinyl chloride	62	4.304	4.304	0.000	100	139399	2.00	2.14	
13 Butane	43	4.402	4.400	0.002	82	201277	2.00	2.06	
14 Butadiene	54	4.407	4.401	0.006	71	93308	2.00	2.01	
15 Bromomethane	94	4.764	4.761	0.003	98	141792	2.00	1.89	
16 Chloroethane	64	4.919	4.915	0.004	83	50598	2.00	1.94	
17 Ethanol	31	5.006	5.011	-0.005	98	349269	10.0	11.2	
18 Vinyl bromide	106	5.249	5.250	-0.001	98	152080	2.00	2.03	
19 2-Methylbutane	43	5.301	5.297	0.004	93	148371	2.00	2.13	
20 Trichlorofluoromethane	101	5.544	5.539	0.005	100	445778	2.00	1.99	
21 Acrolein	56	5.554	5.556	-0.002	96	40818	2.00	2.07	
22 Acetonitrile	40	5.627	5.630	-0.003	96	56957	2.00	2.23	
23 Acetone	58	5.673	5.681	-0.008	99	171491	6.00	6.06	
25 Isopropyl alcohol	45	5.751	5.761	-0.010	93	526350	6.00	6.66	
24 Pentane	72	5.777	5.774	0.002	97	13965	2.00	2.06	
26 Ethyl ether	31	5.952	5.958	-0.006	91	137695	2.00	2.11	
27 1,1-Dichloroethene	96	6.309	6.308	0.001	98	133477	2.00	2.02	
29 2-Methyl-2-propanol	59	6.392	6.403	-0.011	95	175719	2.00	2.16	
28 Acrylonitrile	53	6.417	6.427	-0.010	94	84641	2.00	2.04	
30 112TCTFE	101	6.490	6.489	0.001	95	342402	2.00	1.98	
31 Methylene Chloride	84	6.686	6.685	0.001	97	124764	2.00	1.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.702	6.698	0.004	97	109596	2.00	2.09	
33 Carbon disulfide	76	6.862	6.861	0.001	100	373665	2.00	2.07	
34 trans-1,2-Dichloroethene	96	7.539	7.539	0.000	96	130819	2.00	2.10	
35 2-Methylpentane	43	7.549	7.547	0.002	94	263924	2.00	2.27	
36 Methyl tert-butyl ether	73	7.653	7.663	-0.010	95	264998	2.00	2.15	
37 1,1-Dichloroethane	63	7.989	7.986	0.003	99	237139	2.00	1.94	
38 Vinyl acetate	43	8.076	8.083	-0.007	100	288920	2.00	2.07	
39 2-Butanone (MEK)	72	8.542	8.554	-0.012	97	53163	2.00	1.99	
40 Hexane	56	8.578	8.574	0.004	90	85971	2.00	2.08	
41 Isopropyl ether	45	8.728	8.733	-0.005	95	380398	2.00	2.25	
42 cis-1,2-Dichloroethene	96	9.017	9.012	0.005	95	123686	2.00	1.93	
43 Ethyl acetate	43	9.177	9.183	-0.006	98	276126	2.00	2.03	
44 Chloroform	83	9.363	9.366	-0.003	95	317605	2.00	1.96	
45 Tert-butyl ethyl ether	59	9.425	9.436	-0.011	98	311839	2.00	2.22	
46 Tetrahydrofuran	42	9.756	9.769	-0.013	91	122285	2.00	2.07	
47 1,1,1-Trichloroethane	97	10.418	10.419	-0.001	97	298778	2.00	1.96	
48 1,2-Dichloroethane	62	10.531	10.531	0.000	97	190838	2.00	1.96	
49 n-Butanol	31	10.924	10.930	-0.006	93	45922	2.00	2.13	
50 Cyclohexane	69	11.007	11.009	-0.002	79	48481	2.00	2.14	
51 Benzene	78	11.012	11.012	0.000	97	362090	2.00	2.07	
52 Carbon tetrachloride	117	11.033	11.031	0.002	97	365251	2.00	1.96	
53 2,3-Dimethylpentane	71	11.110	11.112	-0.002	90	68692	2.00	2.22	
54 Thiophene	84	11.286	11.284	0.002	95	215465	2.00	2.15	
55 Isooctane	57	11.741	11.739	0.002	95	521633	2.00	2.11	
56 n-Heptane	71	12.103	12.106	-0.003	93	102283	2.00	2.21	
57 1,2-Dichloropropane	63	12.206	12.210	-0.004	91	156763	2.00	2.00	
58 Trichloroethene	130	12.242	12.242	0.000	98	198992	2.00	1.98	
59 Dibromomethane	93	12.335	12.334	0.001	94	206344	2.00	1.97	
60 Dichlorobromomethane	83	12.470	12.471	-0.001	98	322032	2.00	2.01	
61 1,4-Dioxane	88	12.464	12.478	-0.014	39	51820	2.00	2.16	
62 Methyl methacrylate	41	12.542	12.539	0.003	90	161355	2.00	2.09	
63 Methylcyclohexane	83	12.997	12.998	-0.001	95	198410	2.00	1.87	
64 4-Methyl-2-pentanone (MIBK)	43	13.379	13.383	-0.004	98	298412	2.00	2.12	
65 cis-1,3-Dichloropropene	75	13.452	13.452	0.000	96	208998	2.00	2.13	
66 trans-1,3-Dichloropropene	75	14.144	14.139	0.005	99	164738	2.00	2.09	
67 Toluene	91	14.263	14.266	-0.003	92	446933	2.00	1.93	
68 1,1,2-Trichloroethane	83	14.340	14.341	-0.001	96	166061	2.00	2.03	
69 2-Hexanone	58	14.697	14.705	-0.008	90	121509	2.00	2.21	
70 n-Octane	85	14.919	14.924	-0.005	95	109964	2.00	2.03	
71 Chlorodibromomethane	129	15.043	15.043	0.000	97	393717	2.00	2.07	
72 Ethylene Dibromide	107	15.333	15.335	-0.002	98	288032	2.00	2.02	
73 Tetrachloroethene	129	15.400	15.398	0.002	97	213949	2.00	2.09	
75 2,3-Dimethylheptane	43	16.258	16.258	0.000	94	446413	2.00	2.07	
74 Chlorobenzene	112	16.268	16.269	-0.001	97	431328	2.00	2.04	
76 Ethylbenzene	91	16.547	16.547	0.000	98	580575	2.00	1.85	
77 m-Xylene & p-Xylene	91	16.702	16.707	-0.005	98	988519	4.00	3.75	
78 n-Nonane	57	17.095	17.098	-0.003	94	258525	2.00	1.98	
80 Styrene	104	17.173	17.171	0.002	83	362544	2.00	2.10	
79 Bromoform	173	17.173	17.171	0.002	95	521473	2.00	1.71	
81 o-Xylene	91	17.230	17.231	-0.001	98	530988	2.00	1.88	
82 1,1,2,2-Tetrachloroethane	83	17.560	17.562	-0.002	99	448419	2.00	2.04	
83 1,2,3-Trichloropropane	110	17.726	17.727	-0.001	97	98405	2.00	2.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.824	17.825	-0.001	96	709381	2.00	2.24	
85 N-Propylbenzene	120	18.361	18.365	-0.004	99	198121	2.00	2.27	
86 2-Chlorotoluene	126	18.418	18.418	0.000	97	220980	2.00	2.18	
87 4-Ethyltoluene	105	18.511	18.514	-0.003	98	772115	2.00	2.21	
88 1,3,5-Trimethylbenzene	120	18.584	18.586	-0.002	93	319788	2.00	2.00	
89 Alpha Methyl Styrene	118	18.821	18.821	0.000	89	324608	2.00	1.97	
90 n-Decane	57	18.858	18.859	-0.001	87	436712	2.00	2.04	
91 tert-Butylbenzene	119	19.018	19.018	0.000	96	734144	2.00	2.18	
92 1,2,4-Trimethylbenzene	105	19.033	19.031	0.002	96	732641	2.00	2.03	
93 sec-Butylbenzene	105	19.287	19.288	-0.001	99	1005209	2.00	2.22	
94 1,3-Dichlorobenzene	146	19.312	19.313	-0.001	97	559349	2.00	2.10	
95 Benzyl chloride	91	19.385	19.387	-0.002	98	552030	2.00	2.10	
96 1,4-Dichlorobenzene	146	19.400	19.401	-0.001	96	542901	2.00	2.15	
97 4-Isopropyltoluene	119	19.447	19.449	-0.002	97	879899	2.00	2.06	
98 1,2,3-Trimethylbenzene	105	19.509	19.511	-0.002	99	743999	2.00	2.02	
99 Butylcyclohexane	83	19.555	19.557	-0.002	95	597550	2.00	2.33	
101 2,3-Dihydroindene	117	19.762	19.762	0.000	93	728371	2.00	2.35	
100 1,2-Dichlorobenzene	146	19.767	19.768	-0.001	98	583257	2.00	2.13	
103 n-Butylbenzene	91	19.886	19.888	-0.002	96	964757	2.00	2.13	
102 Indene	116	19.891	19.896	-0.005	90	646767	2.00	2.22	
104 Undecane	57	20.181	20.182	-0.001	93	537522	2.00	2.01	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	96	324180	2.00	2.14	
106 1,2,4,5-Tetramethylbenzene	119	20.661	20.664	-0.003	97	832080	2.00	2.08	
107 Dodecane	57	21.292	21.294	-0.002	92	554826	2.00	1.94	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	94	495646	2.00	2.32	
109 Naphthalene	128	21.664	21.666	-0.002	99	798845	2.00	2.12	
110 Hexachlorobutadiene	225	21.824	21.826	-0.002	91	599999	2.00	1.86	
111 1,2,3-Trichlorobenzene	180	21.886	21.886	0.000	95	414772	2.00	1.87	
112 2-Methylnaphthalene	142	22.429	22.430	-0.001	97	291608	2.00	1.57	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	97	390618	2.00	1.77	
A 115 C8 Range	1	14.924	(14.873-14.966)		0	1277168	2.00	2.00	
S 116 Xylenes, Total	100				0		6.00	5.62	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.03	

QC Flag Legend

Processing Flags

Reagents:

40L7DQP_00025

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 13:48:09

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D

Injection Date: 22-May-2021 17:53:30

Instrument ID: MH

Operator ID: HMT

Lims ID: ICIS L7

Worklist Smp#: 15

Client ID:

Purge Vol: 500.000 mL

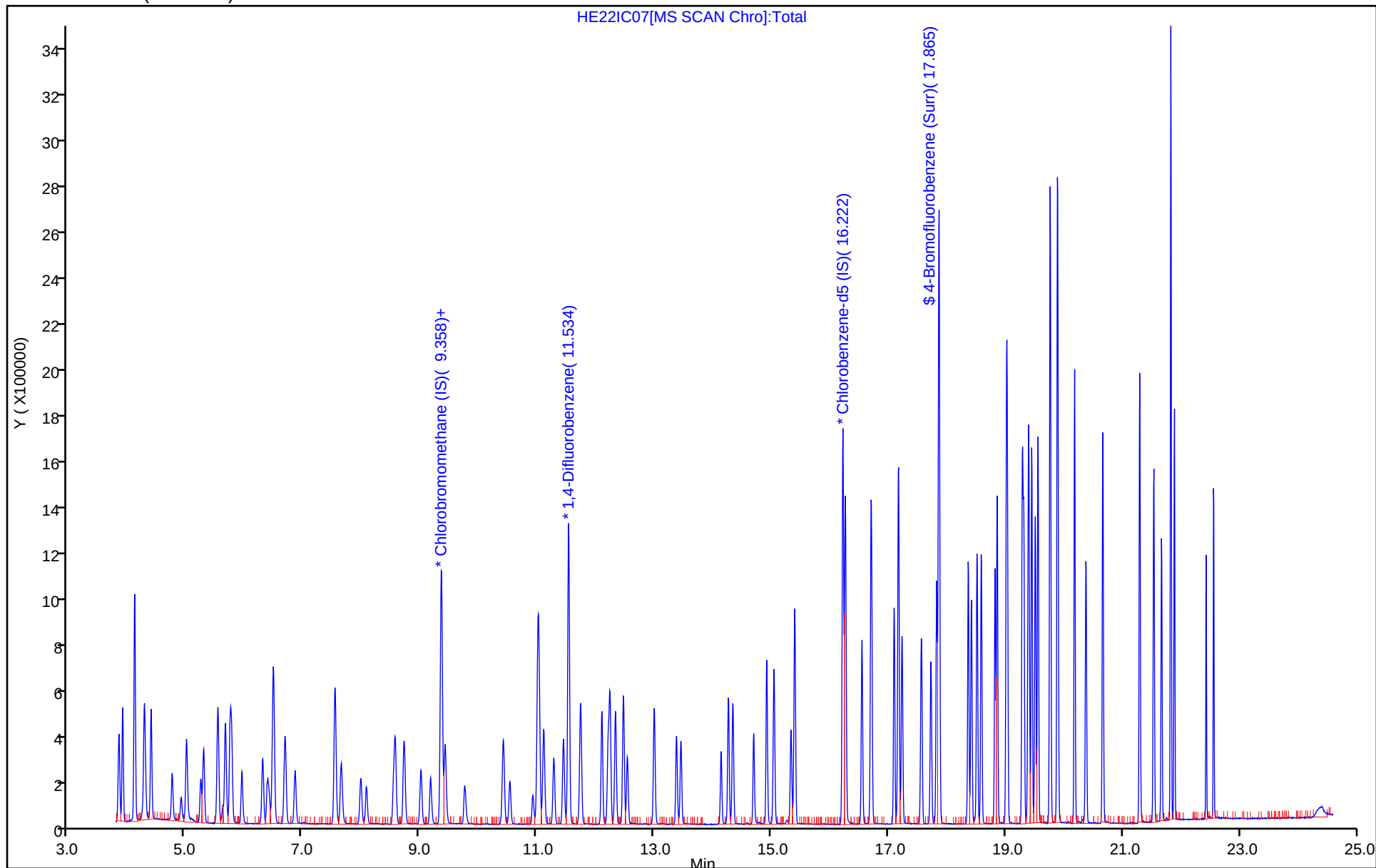
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 25-May-2021 13:48:09

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D

Injection Date: 22-May-2021 17:53:30

Instrument ID: MH

Lims ID: ICIS L7

Client ID:

Operator ID: HMT

ALS Bottle#:

5

Worklist Smp#:

15

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MH_TO15

Limit Group:

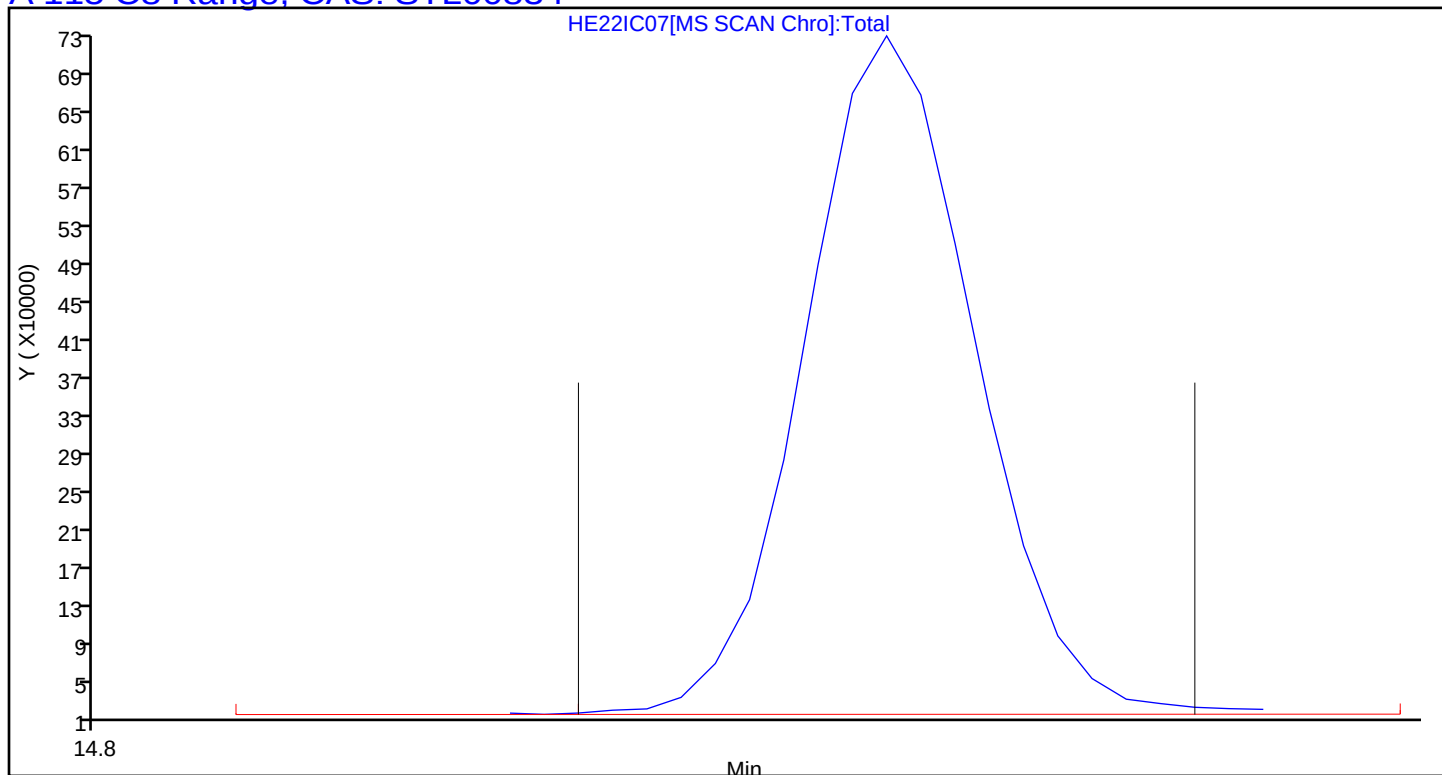
MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector

MS SCAN

A 115 C8 Range, CAS: STL00834



Calibration

/ Chlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

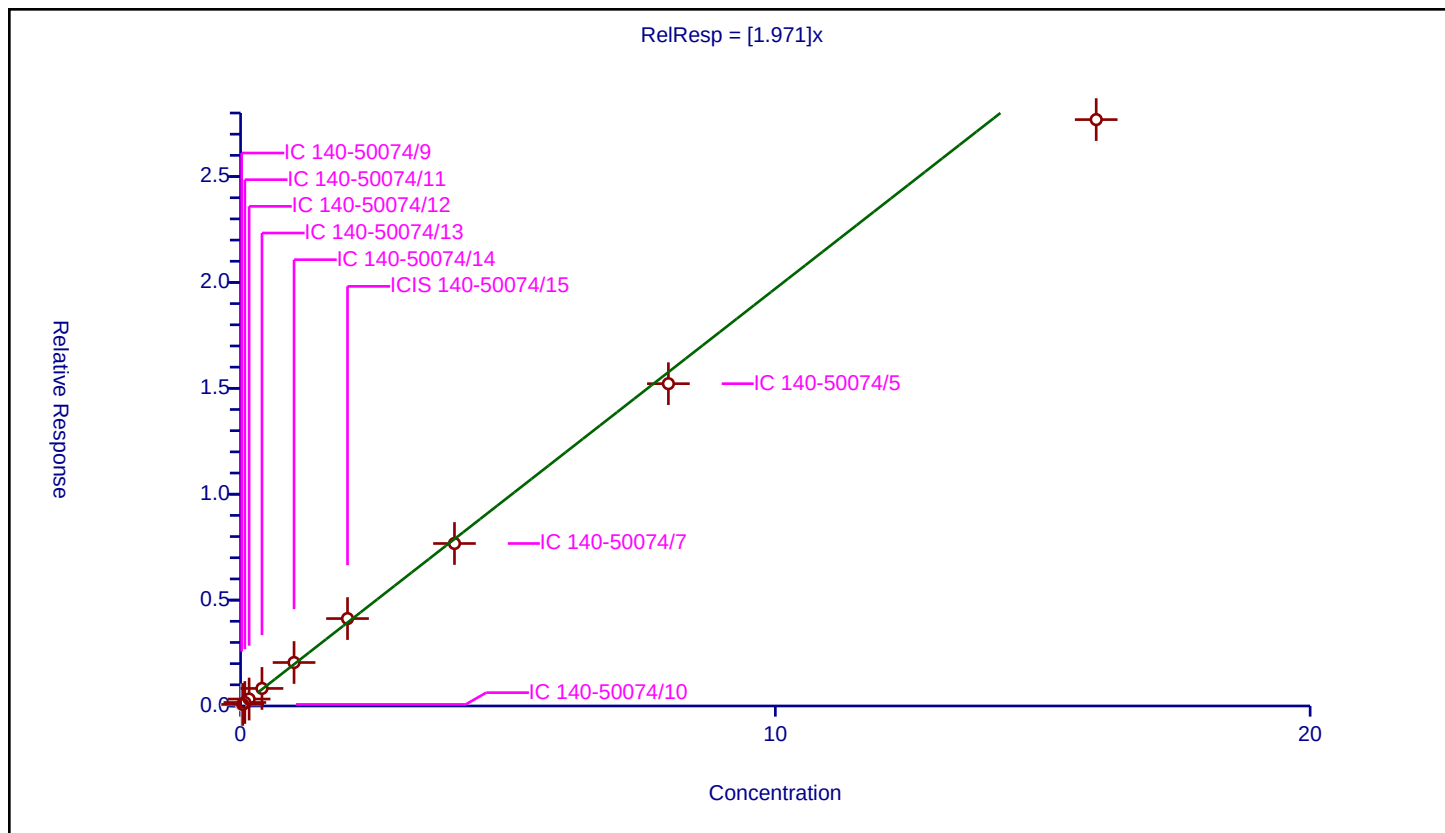
Curve Coefficients

Intercept: 0
 Slope: 1.971

Error Coefficients

Standard Error: 761000
 Relative Standard Error: 6.0
 Correlation Coefficient: 0.983
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.053592	4.8	282938.0	2.679598	N
2	IC 140-50074/10	0.04	0.075298	4.8	264868.0	1.882447	Y
3	IC 140-50074/11	0.08	0.165024	4.8	257912.0	2.062797	Y
4	IC 140-50074/12	0.16	0.32782	4.8	249166.0	2.048875	Y
5	IC 140-50074/13	0.4	0.829458	4.8	251013.0	2.073646	Y
6	IC 140-50074/14	1.0	2.053418	4.8	270412.0	2.053418	Y
7	ICIS 140-50074/15	2.0	4.12787	4.8	293979.0	2.063935	Y
8	IC 140-50074/7	4.0	7.672552	4.8	334622.0	1.918138	Y
9	IC 140-50074/5	8.0	15.219282	4.8	351908.0	1.90241	Y
10	IC 140-50074/3	16.0	27.68863	4.8	301388.0	1.730539	Y



Calibration

/ Propene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

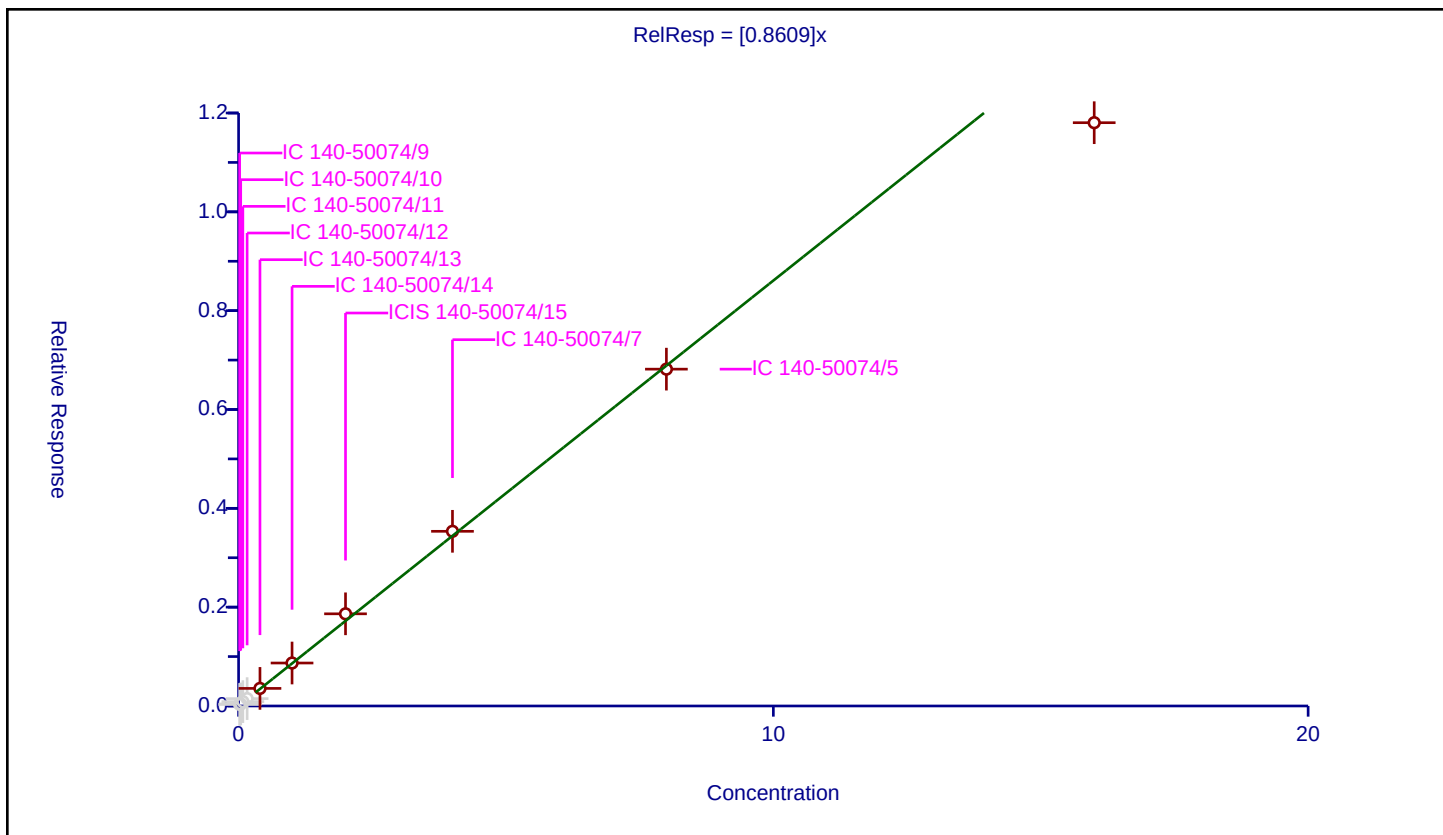
Curve Coefficients

Intercept: 0
 Slope: 0.8609

Error Coefficients

Standard Error: 418000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.968
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.031826	4.8	282938.0	1.591303	N
2	IC 140-50074/10	0.04	0.041047	4.8	264868.0	1.026172	N
3	IC 140-50074/11	0.08	0.088868	4.8	257912.0	1.110844	N
4	IC 140-50074/12	0.16	0.149337	4.8	249166.0	0.933354	N
5	IC 140-50074/13	0.4	0.355851	4.8	251013.0	0.889627	Y
6	IC 140-50074/14	1.0	0.869518	4.8	270412.0	0.869518	Y
7	ICIS 140-50074/15	2.0	1.865488	4.8	293979.0	0.932744	Y
8	IC 140-50074/7	4.0	3.534955	4.8	334622.0	0.883739	Y
9	IC 140-50074/5	8.0	6.816404	4.8	351908.0	0.852051	Y
10	IC 140-50074/3	16.0	11.803995	4.8	301388.0	0.73775	Y



Calibration

/ Dichlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

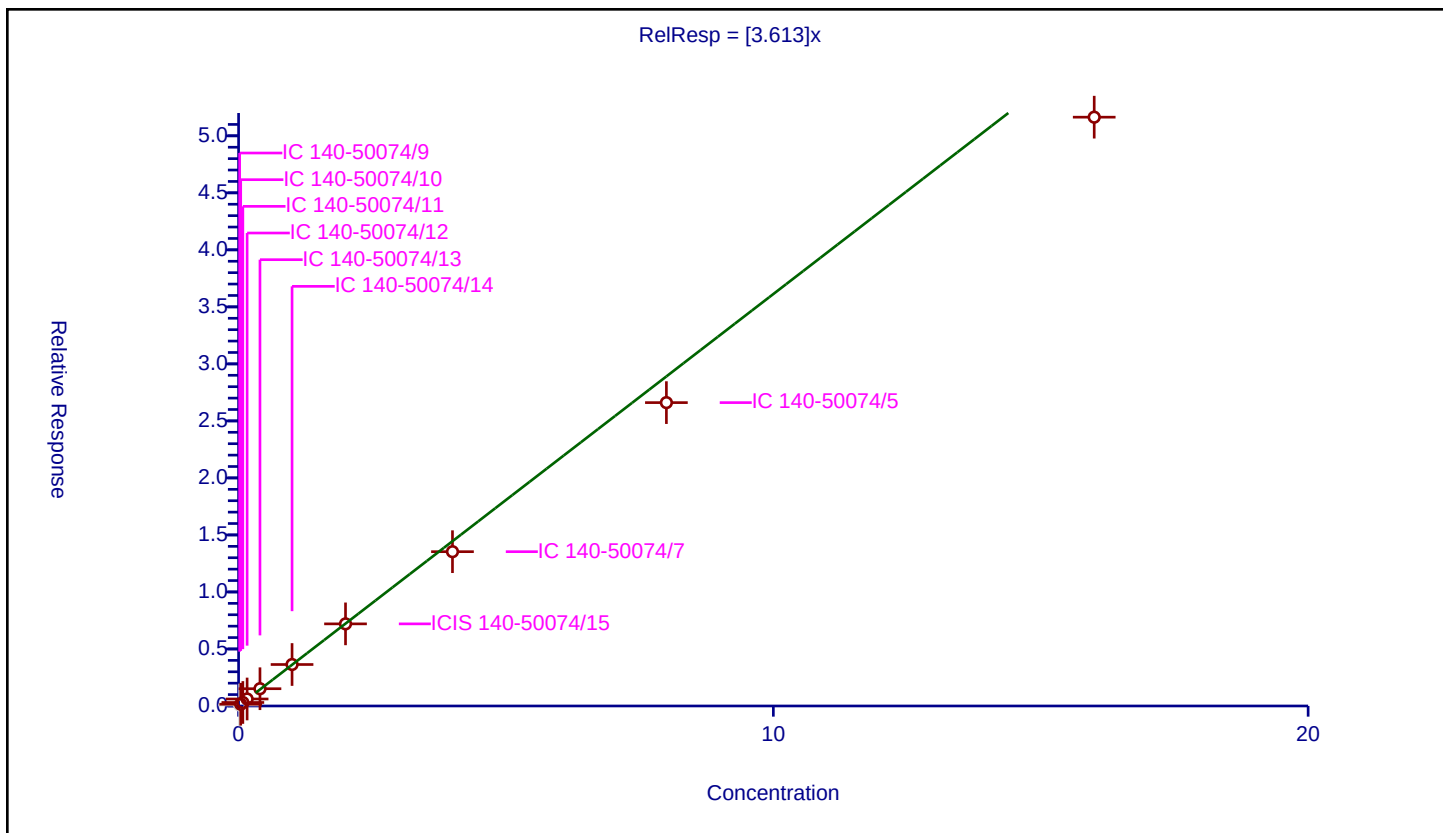
Curve Coefficients

Intercept: 0
 Slope: 3.613

Error Coefficients

Standard Error: 1390000
 Relative Standard Error: 6.8
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.090372	4.8	282938.0	4.518587	N
2	IC 140-50074/10	0.04	0.155126	4.8	264868.0	3.878158	Y
3	IC 140-50074/11	0.08	0.307584	4.8	257912.0	3.8448	Y
4	IC 140-50074/12	0.16	0.613027	4.8	249166.0	3.831422	Y
5	IC 140-50074/13	0.4	1.513643	4.8	251013.0	3.784107	Y
6	IC 140-50074/14	1.0	3.638235	4.8	270412.0	3.638235	Y
7	ICIS 140-50074/15	2.0	7.202114	4.8	293979.0	3.601057	Y
8	IC 140-50074/7	4.0	13.531395	4.8	334622.0	3.382849	Y
9	IC 140-50074/5	8.0	26.604749	4.8	351908.0	3.325594	Y
10	IC 140-50074/3	16.0	51.63405	4.8	301388.0	3.227128	Y



Calibration

/ Chloromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

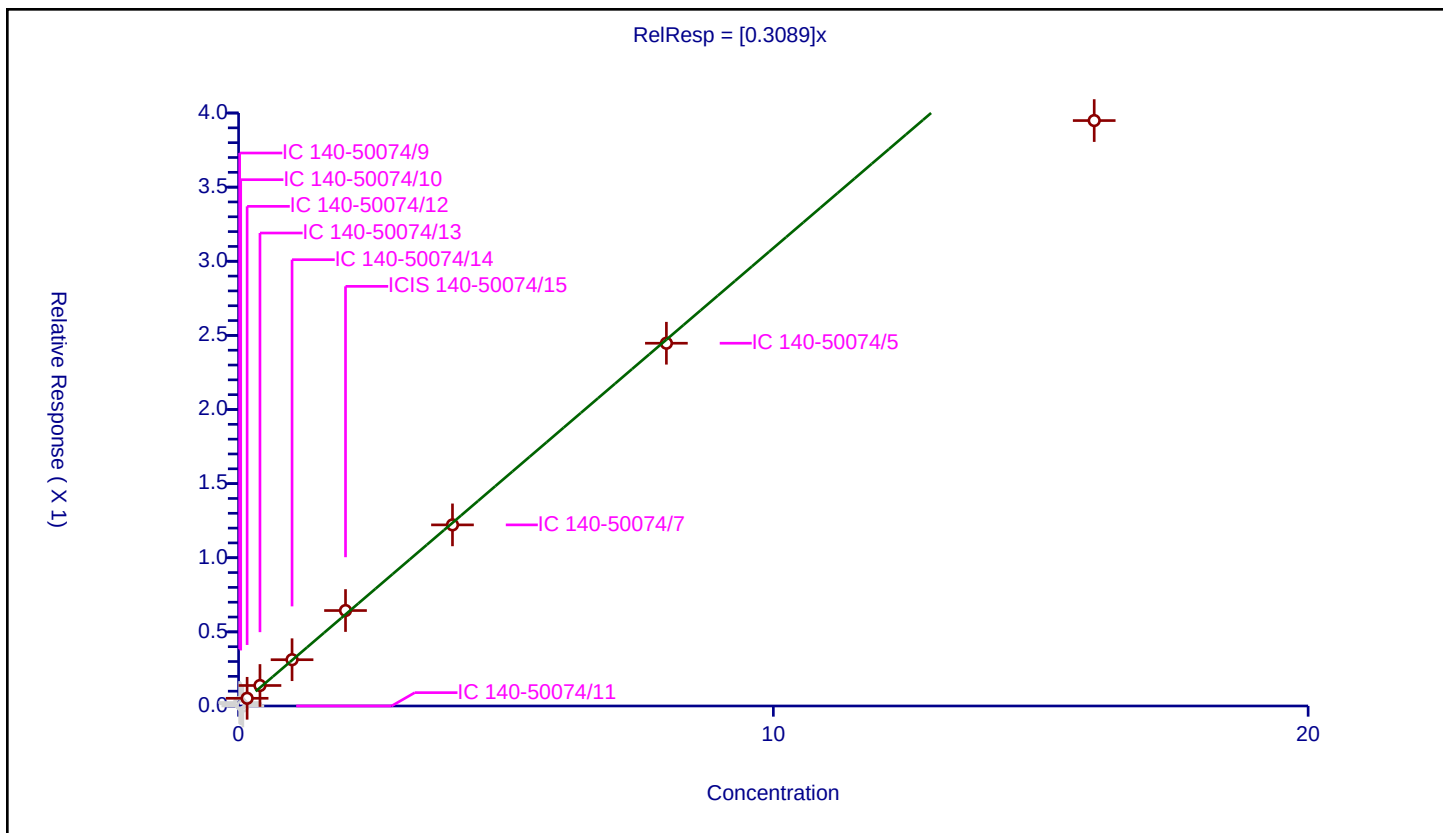
Curve Coefficients

Intercept: 0
 Slope: 0.3089

Error Coefficients

Standard Error: 131000
 Relative Standard Error: 9.9
 Correlation Coefficient: 0.956
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.023598	4.8	282938.0	1.179905	N
2	IC 140-50074/10	0.04	0.014969	4.8	264868.0	0.374224	N
3	IC 140-50074/11	0.08	0.0	4.8	257912.0	0.0	N
4	IC 140-50074/12	0.16	0.051879	4.8	249166.0	0.324242	Y
5	IC 140-50074/13	0.4	0.138313	4.8	251013.0	0.345783	Y
6	IC 140-50074/14	1.0	0.312146	4.8	270412.0	0.312146	Y
7	ICIS 140-50074/15	2.0	0.643883	4.8	293979.0	0.321941	Y
8	IC 140-50074/7	4.0	1.221639	4.8	334622.0	0.30541	Y
9	IC 140-50074/5	8.0	2.447044	4.8	351908.0	0.305881	Y
10	IC 140-50074/3	16.0	3.949153	4.8	301388.0	0.246822	Y



Calibration

/ 1,2-Dichloro-1,1,2,2-tetrafluoroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

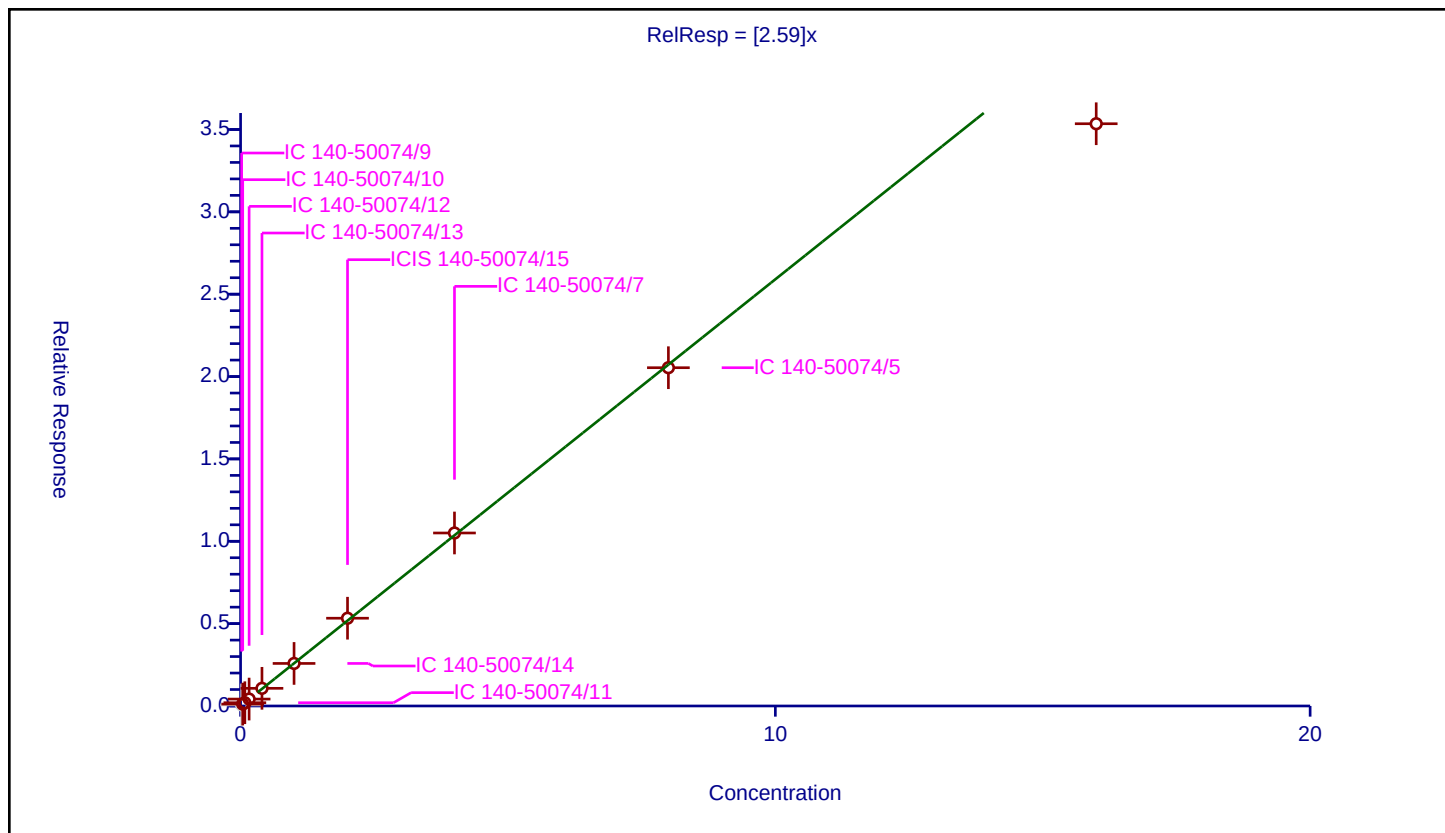
Curve Coefficients

Intercept: 0
 Slope: 2.59

Error Coefficients

Standard Error: 991000
 Relative Standard Error: 7.0
 Correlation Coefficient: 0.974
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.065603	4.8	282938.0	3.280153	N
2	IC 140-50074/10	0.04	0.115348	4.8	264868.0	2.883701	Y
3	IC 140-50074/11	0.08	0.197723	4.8	257912.0	2.471541	Y
4	IC 140-50074/12	0.16	0.420346	4.8	249166.0	2.627164	Y
5	IC 140-50074/13	0.4	1.072333	4.8	251013.0	2.680833	Y
6	IC 140-50074/14	1.0	2.583507	4.8	270412.0	2.583507	Y
7	ICIS 140-50074/15	2.0	5.328674	4.8	293979.0	2.664337	Y
8	IC 140-50074/7	4.0	10.502831	4.8	334622.0	2.625708	Y
9	IC 140-50074/5	8.0	20.537518	4.8	351908.0	2.56719	Y
10	IC 140-50074/3	16.0	35.349617	4.8	301388.0	2.209351	Y



Calibration

/ Vinyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

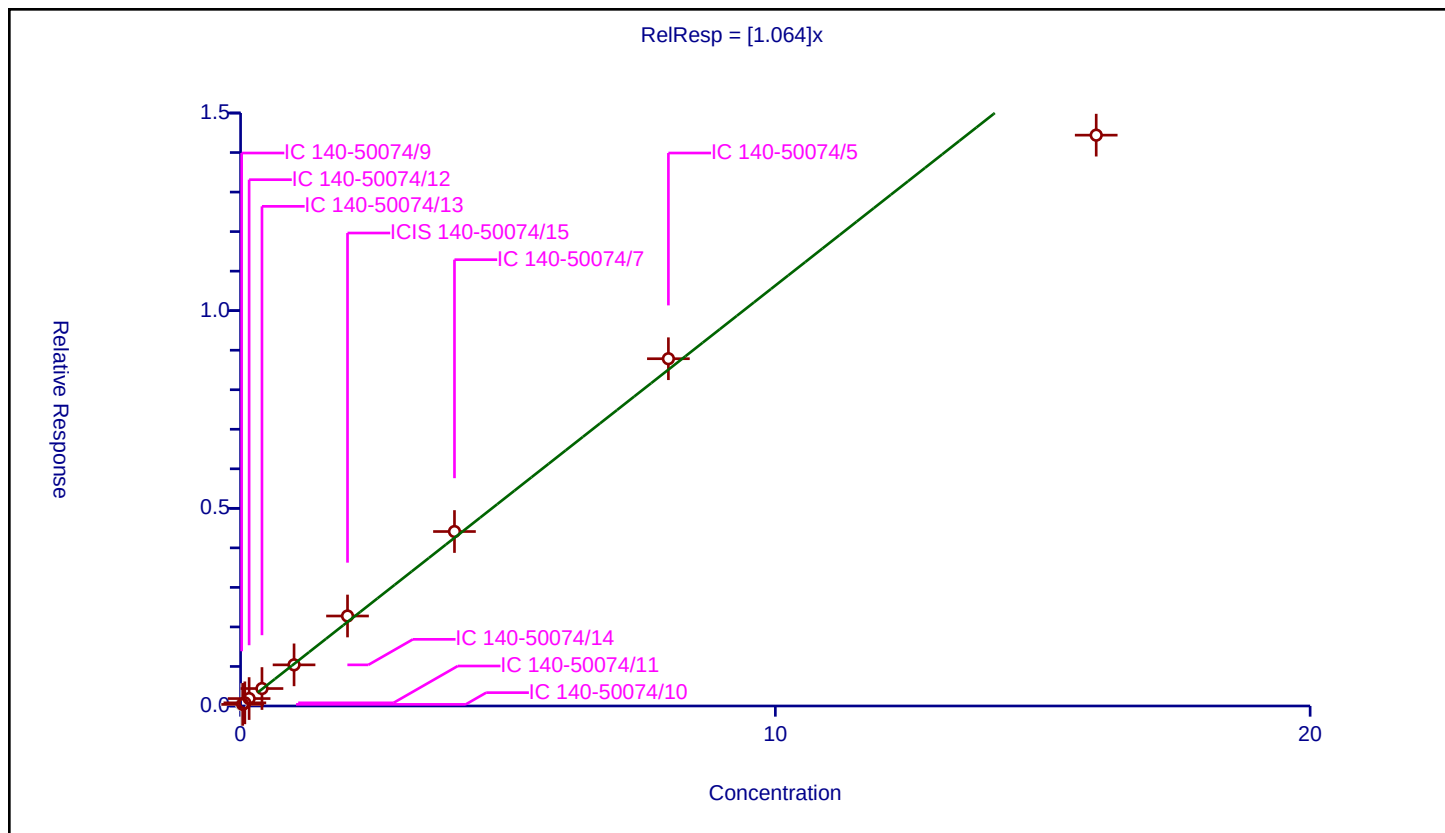
Curve Coefficients

Intercept: 0
 Slope: 1.064

Error Coefficients

Standard Error: 412000
 Relative Standard Error: 7.8
 Correlation Coefficient: 0.965
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.035592	4.8	282938.0	1.779612	N
2	IC 140-50074/10	0.04	0.040684	4.8	264868.0	1.01711	Y
3	IC 140-50074/11	0.08	0.079618	4.8	257912.0	0.995223	Y
4	IC 140-50074/12	0.16	0.187807	4.8	249166.0	1.173796	Y
5	IC 140-50074/13	0.4	0.441405	4.8	251013.0	1.103513	Y
6	IC 140-50074/14	1.0	1.040457	4.8	270412.0	1.040457	Y
7	ICIS 140-50074/15	2.0	2.276065	4.8	293979.0	1.138032	Y
8	IC 140-50074/7	4.0	4.413601	4.8	334622.0	1.1034	Y
9	IC 140-50074/5	8.0	8.78425	4.8	351908.0	1.098031	Y
10	IC 140-50074/3	16.0	14.440262	4.8	301388.0	0.902516	Y



Calibration

/ Butane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

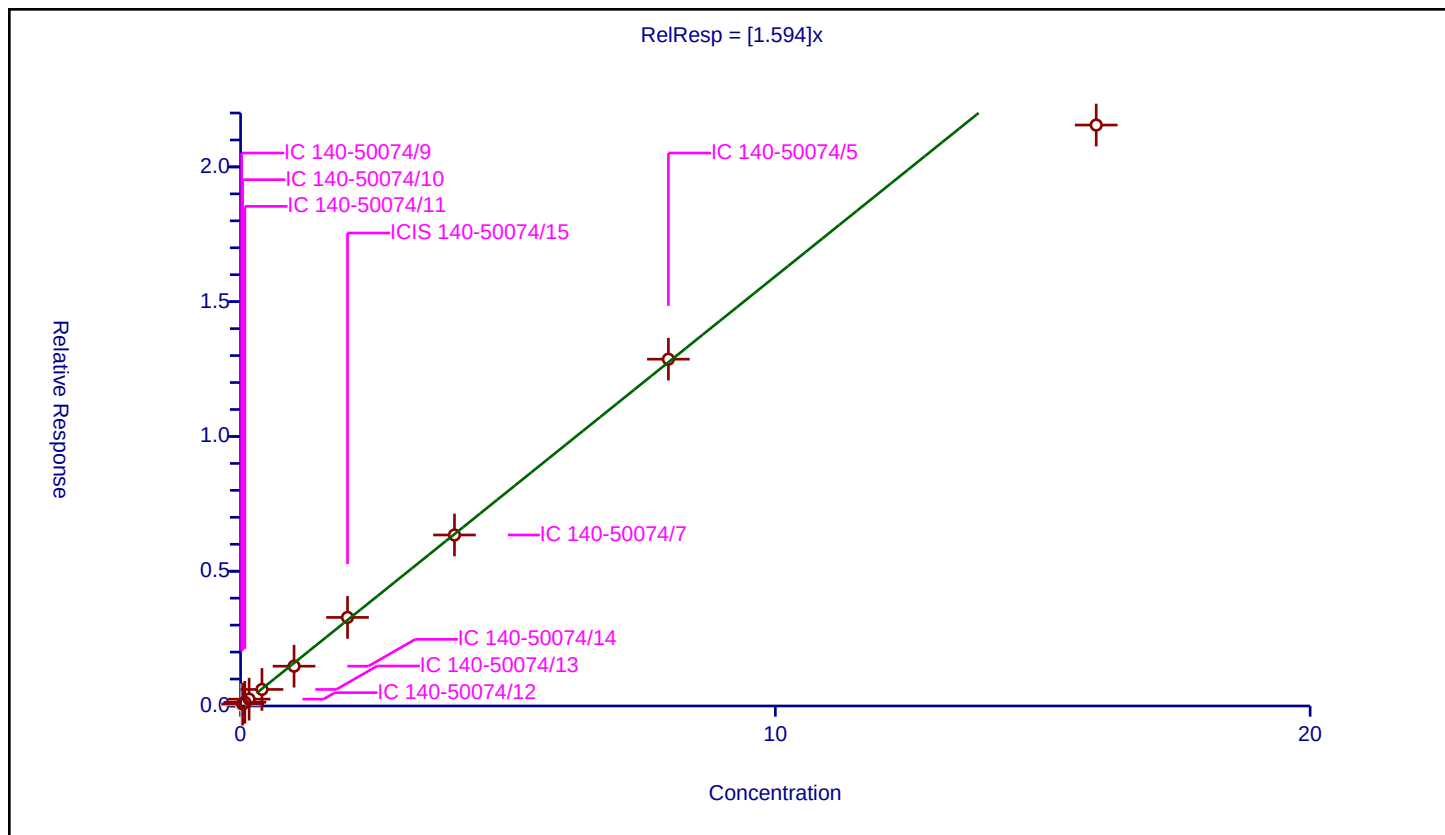
Curve Coefficients

Intercept: 0
 Slope: 1.594

Error Coefficients

Standard Error: 609000
 Relative Standard Error: 8.9
 Correlation Coefficient: 0.969
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.041988	4.8	282938.0	2.0994	N
2	IC 140-50074/10	0.04	0.073776	4.8	264868.0	1.84439	Y
3	IC 140-50074/11	0.08	0.137573	4.8	257912.0	1.719656	Y
4	IC 140-50074/12	0.16	0.254115	4.8	249166.0	1.588218	Y
5	IC 140-50074/13	0.4	0.613565	4.8	251013.0	1.533913	Y
6	IC 140-50074/14	1.0	1.476503	4.8	270412.0	1.476503	Y
7	ICIS 140-50074/15	2.0	3.28639	4.8	293979.0	1.643195	Y
8	IC 140-50074/7	4.0	6.344248	4.8	334622.0	1.586062	Y
9	IC 140-50074/5	8.0	12.866899	4.8	351908.0	1.608362	Y
10	IC 140-50074/3	16.0	21.553559	4.8	301388.0	1.347097	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

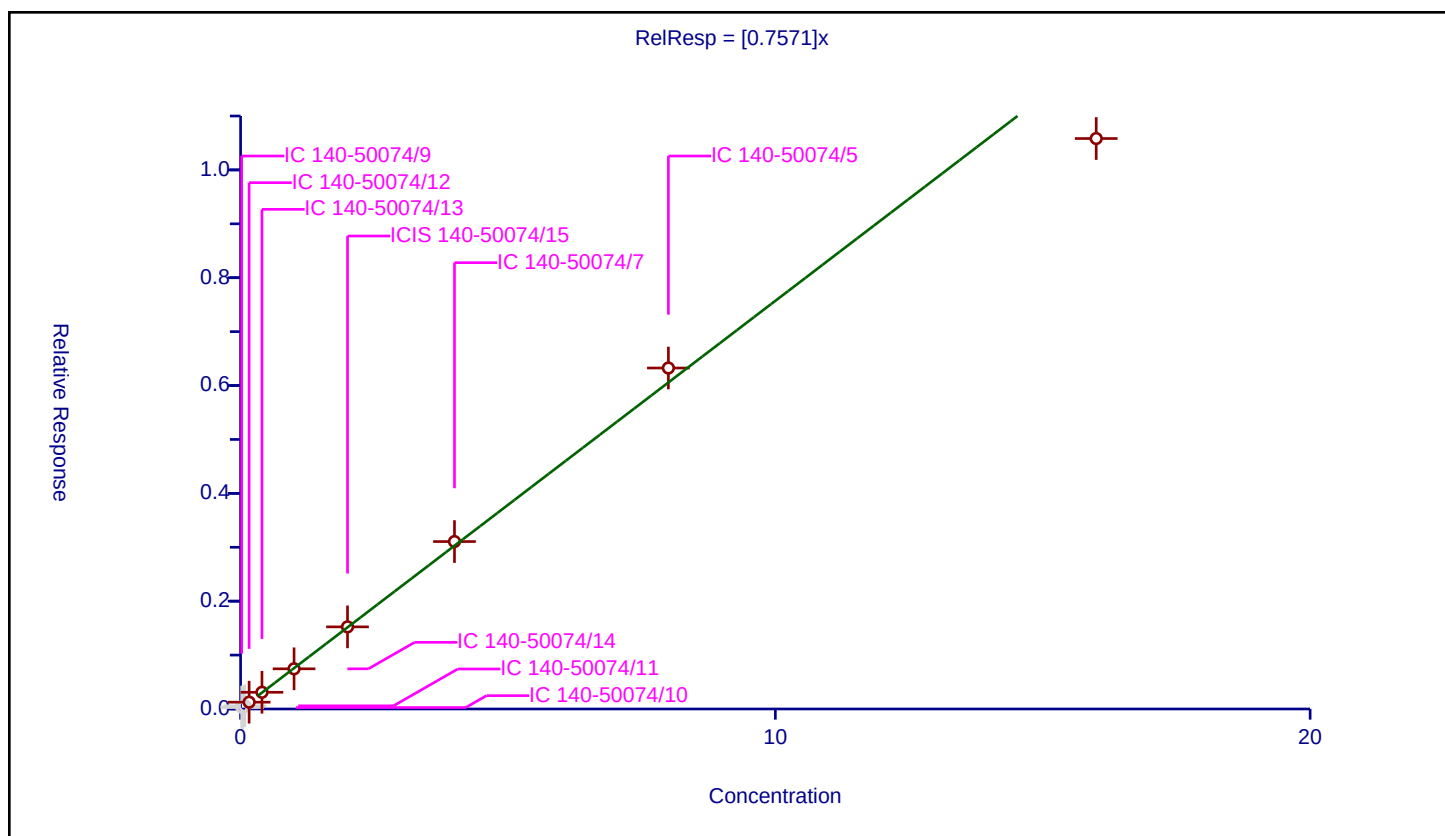
Curve Coefficients

Intercept: 0
Slope: 0.7571

Error Coefficients

Standard Error: 345000
Relative Standard Error: 6.0
Correlation Coefficient: 0.965
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.036831	4.8	282938.0	1.841534	N
2	IC 140-50074/10	0.04	0.026821	4.8	264868.0	0.670523	N
3	IC 140-50074/11	0.08	0.058643	4.8	257912.0	0.733041	N
4	IC 140-50074/12	0.16	0.126412	4.8	249166.0	0.790076	Y
5	IC 140-50074/13	0.4	0.309861	4.8	251013.0	0.774653	Y
6	IC 140-50074/14	1.0	0.745014	4.8	270412.0	0.745014	Y
7	ICIS 140-50074/15	2.0	1.523505	4.8	293979.0	0.761752	Y
8	IC 140-50074/7	4.0	3.105637	4.8	334622.0	0.776409	Y
9	IC 140-50074/5	8.0	6.32538	4.8	351908.0	0.790673	Y
10	IC 140-50074/3	16.0	10.582717	4.8	301388.0	0.66142	Y



Calibration

/ Bromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

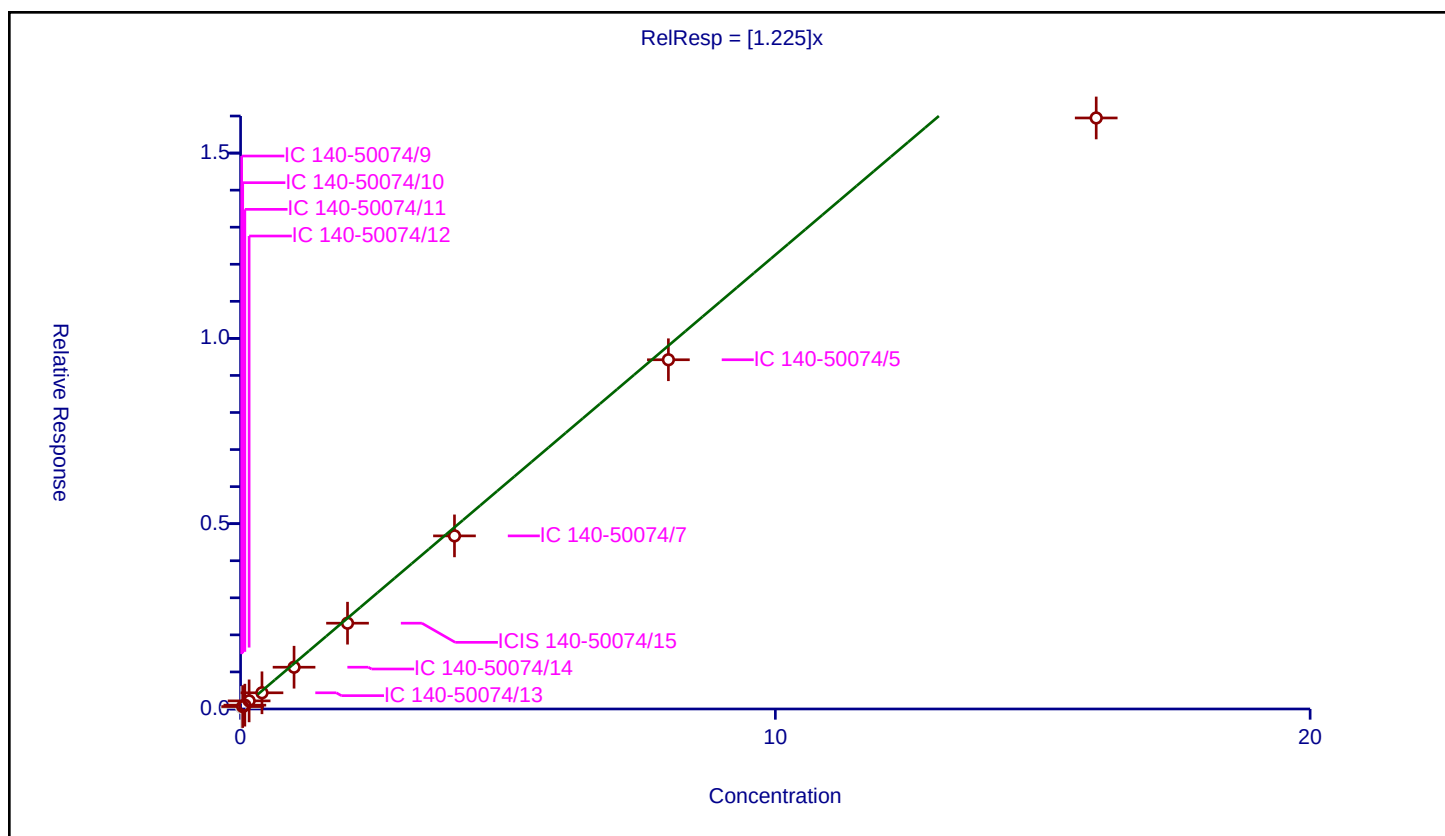
Curve Coefficients

Intercept: 0
 Slope: 1.225

Error Coefficients

Standard Error: 449000
 Relative Standard Error: 15.5
 Correlation Coefficient: 0.971
 Coefficient of Determination (Adjusted): 0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.041089	4.8	282938.0	2.054443	N
2	IC 140-50074/10	0.04	0.065657	4.8	264868.0	1.641421	Y
3	IC 140-50074/11	0.08	0.10357	4.8	257912.0	1.294628	Y
4	IC 140-50074/12	0.16	0.219381	4.8	249166.0	1.371134	Y
5	IC 140-50074/13	0.4	0.437428	4.8	251013.0	1.093569	Y
6	IC 140-50074/14	1.0	1.127116	4.8	270412.0	1.127116	Y
7	ICIS 140-50074/15	2.0	2.315137	4.8	293979.0	1.157568	Y
8	IC 140-50074/7	4.0	4.670971	4.8	334622.0	1.167743	Y
9	IC 140-50074/5	8.0	9.423363	4.8	351908.0	1.17792	Y
10	IC 140-50074/3	16.0	15.947448	4.8	301388.0	0.996716	Y



Calibration

/ Chloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

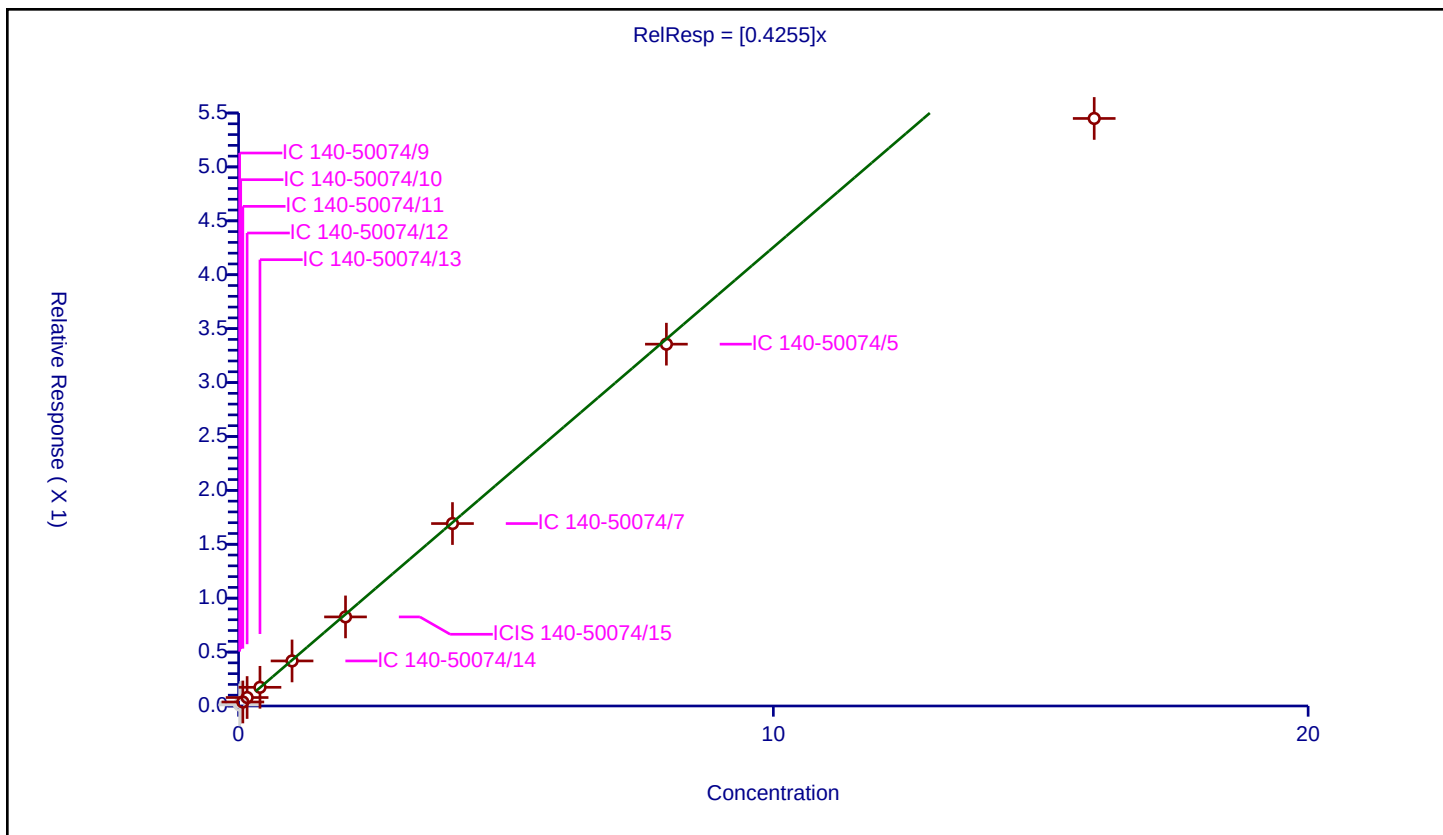
Curve Coefficients

Intercept: 0
 Slope: 0.4255

Error Coefficients

Standard Error: 167000
 Relative Standard Error: 10.3
 Correlation Coefficient: 0.960
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.009704	4.8	282938.0	0.485195	N
2	IC 140-50074/10	0.04	0.032475	4.8	264868.0	0.811876	N
3	IC 140-50074/11	0.08	0.037334	4.8	257912.0	0.466671	Y
4	IC 140-50074/12	0.16	0.078463	4.8	249166.0	0.490396	Y
5	IC 140-50074/13	0.4	0.173154	4.8	251013.0	0.432886	Y
6	IC 140-50074/14	1.0	0.417763	4.8	270412.0	0.417763	Y
7	ICIS 140-50074/15	2.0	0.826149	4.8	293979.0	0.413074	Y
8	IC 140-50074/7	4.0	1.692082	4.8	334622.0	0.423021	Y
9	IC 140-50074/5	8.0	3.355954	4.8	351908.0	0.419494	Y
10	IC 140-50074/3	16.0	5.449443	4.8	301388.0	0.34059	Y



Calibration

/ Ethanol

Curve Type: Linear
 Weighting: None
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

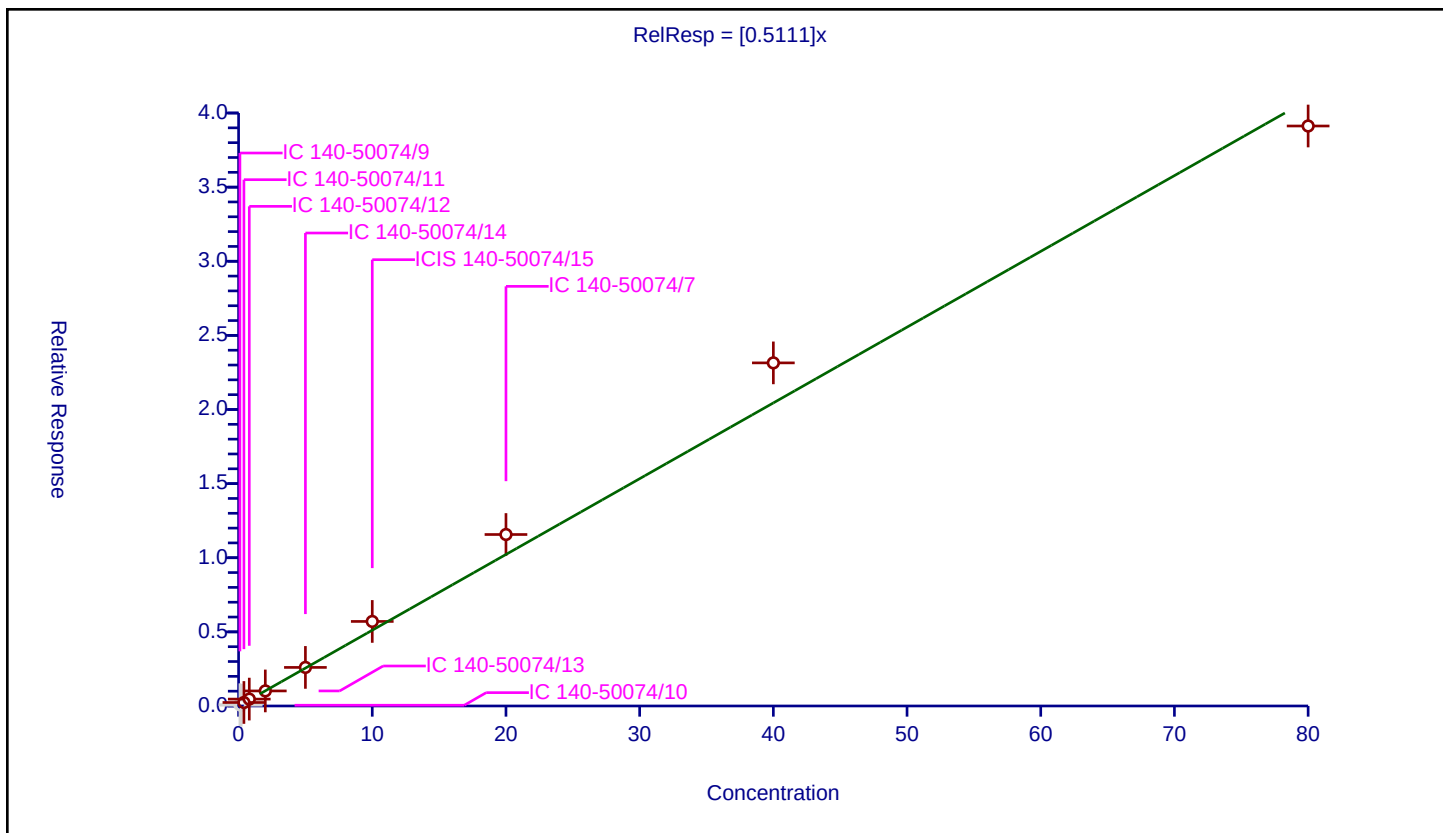
Curve Coefficients

Intercept: 0
 Slope: 0.5111

Error Coefficients

Standard Error: 1180000
 Relative Standard Error: 11.6
 Correlation Coefficient: 0.969
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.1	0.088743	4.8	282938.0	0.887431	N
2	IC 140-50074/10	0.2	0.051866	4.8	264868.0	0.259329	N
3	IC 140-50074/11	0.4	0.237141	4.8	257912.0	0.592853	Y
4	IC 140-50074/12	0.8	0.464654	4.8	249166.0	0.580818	Y
5	IC 140-50074/13	2.0	1.015253	4.8	251013.0	0.507626	Y
6	IC 140-50074/14	5.0	2.601275	4.8	270412.0	0.520255	Y
7	ICIS 140-50074/15	10.0	5.702758	4.8	293979.0	0.570276	Y
8	IC 140-50074/7	20.0	11.568071	4.8	334622.0	0.578404	Y
9	IC 140-50074/5	40.0	23.144313	4.8	351908.0	0.578608	Y
10	IC 140-50074/3	80.0	39.124838	4.8	301388.0	0.48906	Y



Calibration

/ Vinyl bromide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

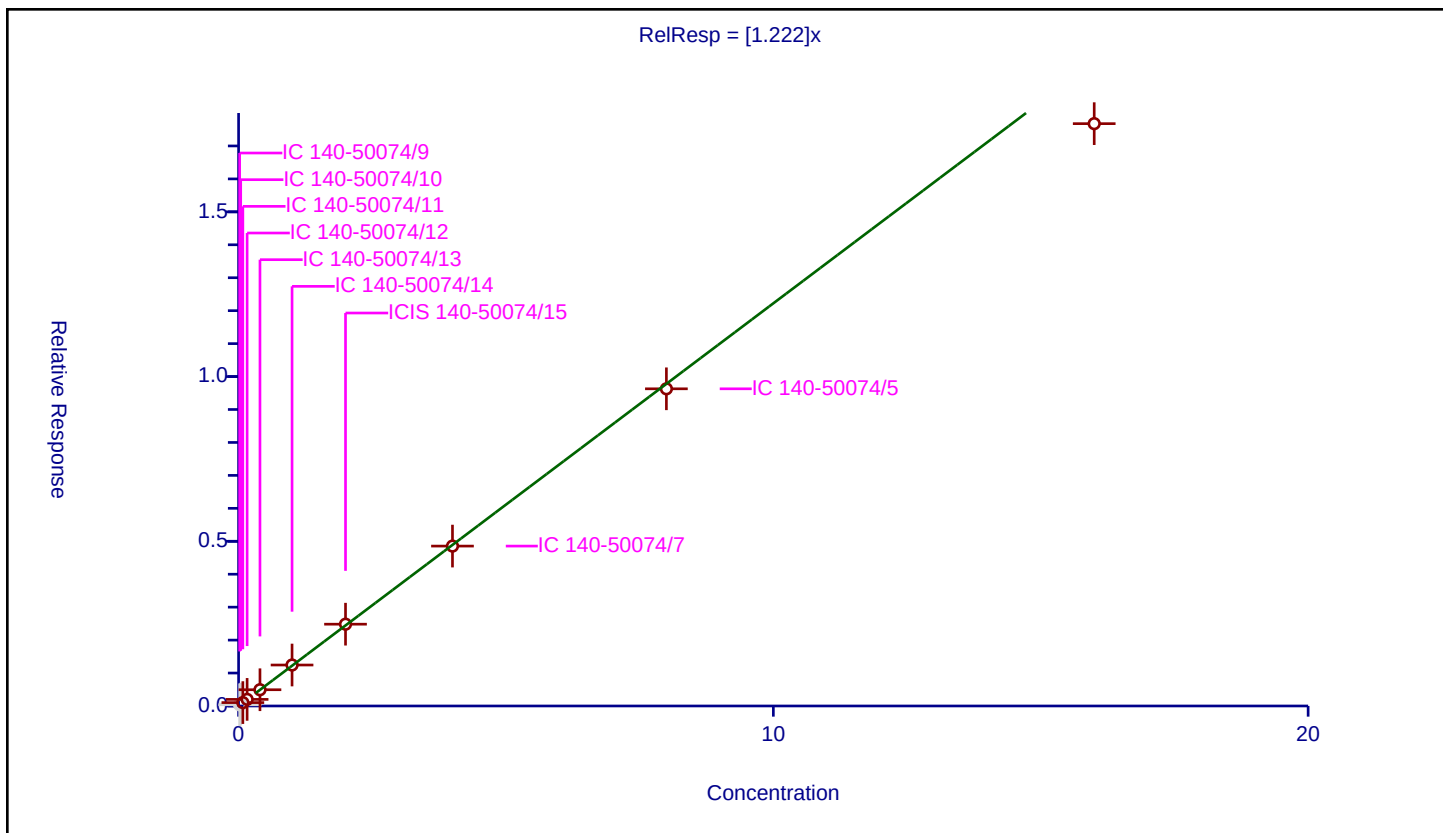
Curve Coefficients

Intercept: 0
 Slope: 1.222

Error Coefficients

Standard Error: 517000
 Relative Standard Error: 4.4
 Correlation Coefficient: 0.984
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.036797	4.8	282938.0	1.839838	N
2	IC 140-50074/10	0.04	0.056668	4.8	264868.0	1.416706	N
3	IC 140-50074/11	0.08	0.102863	4.8	257912.0	1.285787	Y
4	IC 140-50074/12	0.16	0.200175	4.8	249166.0	1.251094	Y
5	IC 140-50074/13	0.4	0.493705	4.8	251013.0	1.234263	Y
6	IC 140-50074/14	1.0	1.243933	4.8	270412.0	1.243933	Y
7	ICIS 140-50074/15	2.0	2.483116	4.8	293979.0	1.241558	Y
8	IC 140-50074/7	4.0	4.853864	4.8	334622.0	1.213466	Y
9	IC 140-50074/5	8.0	9.628644	4.8	351908.0	1.20358	Y
10	IC 140-50074/3	16.0	17.677221	4.8	301388.0	1.104826	Y



Calibration

/ 2-Methylbutane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

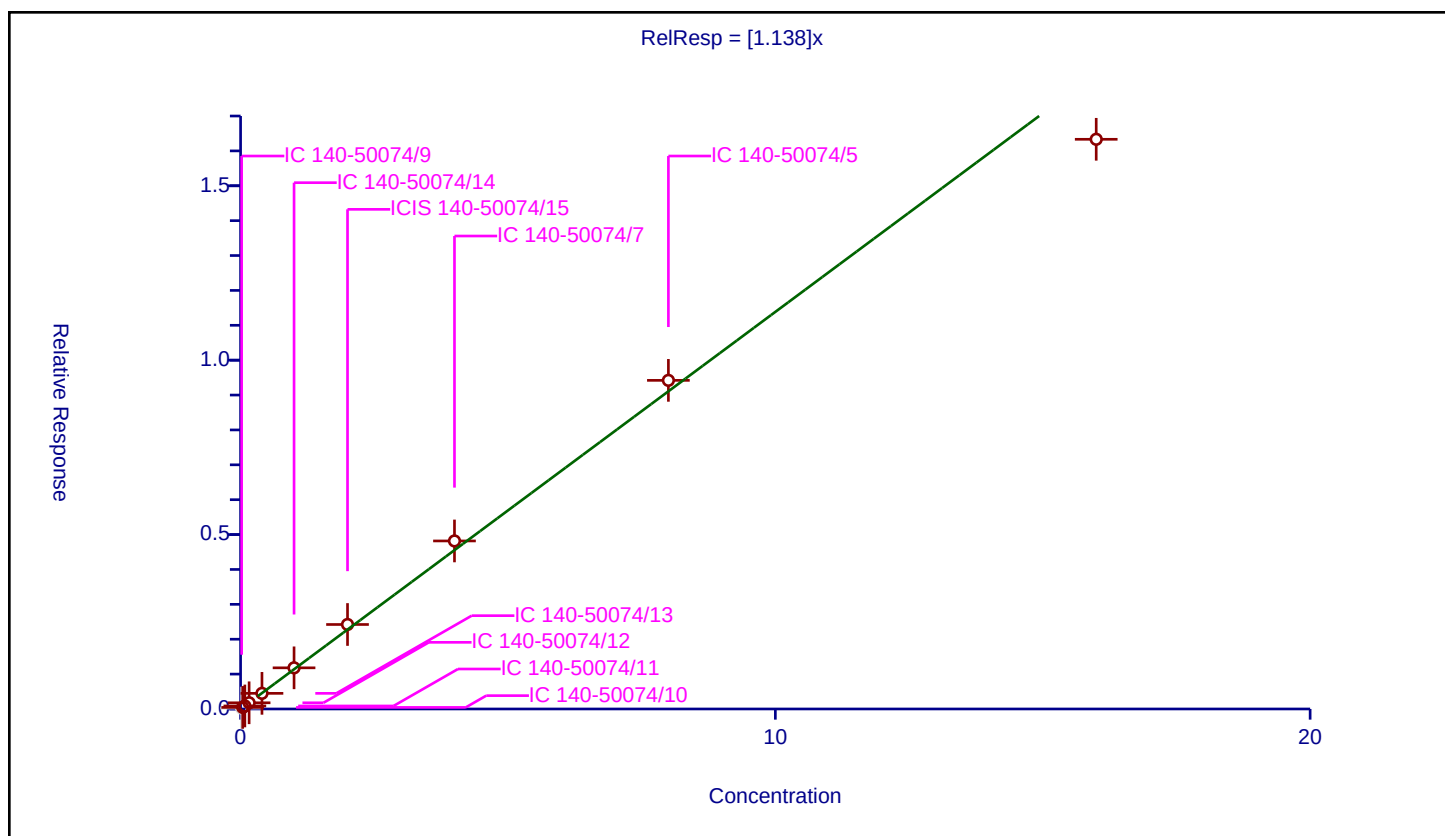
Curve Coefficients

Intercept: 0
 Slope: 1.138

Error Coefficients

Standard Error: 457000
 Relative Standard Error: 5.5
 Correlation Coefficient: 0.975
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.026126	4.8	282938.0	1.306293	N
2	IC 140-50074/10	0.04	0.045505	4.8	264868.0	1.137623	Y
3	IC 140-50074/11	0.08	0.086616	4.8	257912.0	1.082695	Y
4	IC 140-50074/12	0.16	0.177713	4.8	249166.0	1.110705	Y
5	IC 140-50074/13	0.4	0.448327	4.8	251013.0	1.120818	Y
6	IC 140-50074/14	1.0	1.179995	4.8	270412.0	1.179995	Y
7	ICIS 140-50074/15	2.0	2.422557	4.8	293979.0	1.211278	Y
8	IC 140-50074/7	4.0	4.817744	4.8	334622.0	1.204436	Y
9	IC 140-50074/5	8.0	9.421099	4.8	351908.0	1.177637	Y
10	IC 140-50074/3	16.0	16.332547	4.8	301388.0	1.020784	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

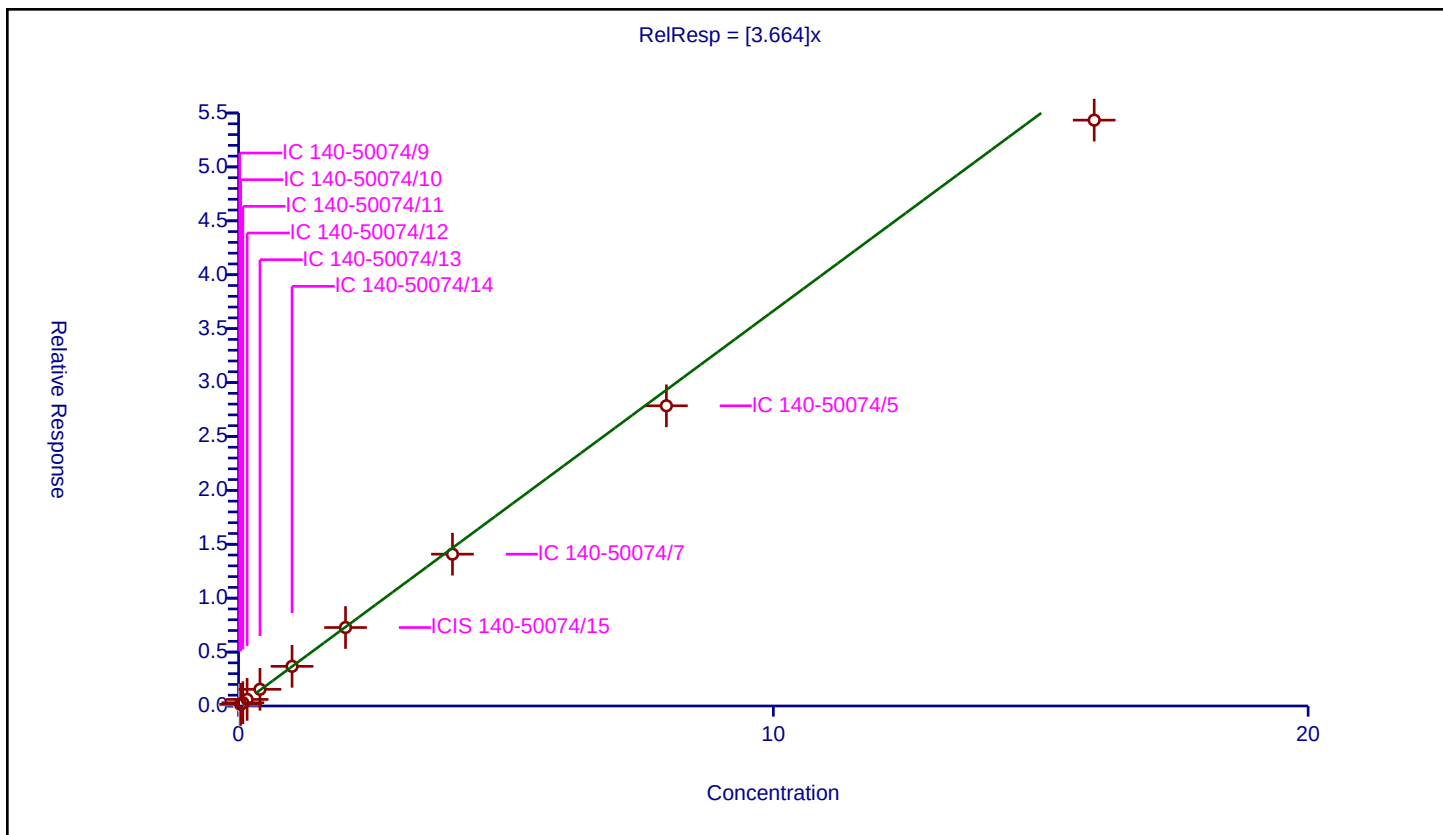
Curve Coefficients

Intercept: 0
 Slope: 3.664

Error Coefficients

Standard Error: 1460000
 Relative Standard Error: 4.6
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.093629	4.8	282938.0	4.68145	N
2	IC 140-50074/10	0.04	0.151429	4.8	264868.0	3.785735	Y
3	IC 140-50074/11	0.08	0.30375	4.8	257912.0	3.796876	Y
4	IC 140-50074/12	0.16	0.609753	4.8	249166.0	3.810953	Y
5	IC 140-50074/13	0.4	1.547776	4.8	251013.0	3.869441	Y
6	IC 140-50074/14	1.0	3.680038	4.8	270412.0	3.680038	Y
7	ICIS 140-50074/15	2.0	7.278528	4.8	293979.0	3.639264	Y
8	IC 140-50074/7	4.0	14.081637	4.8	334622.0	3.520409	Y
9	IC 140-50074/5	8.0	27.844878	4.8	351908.0	3.48061	Y
10	IC 140-50074/3	16.0	54.339963	4.8	301388.0	3.396248	Y



Calibration

/ Acrolein

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

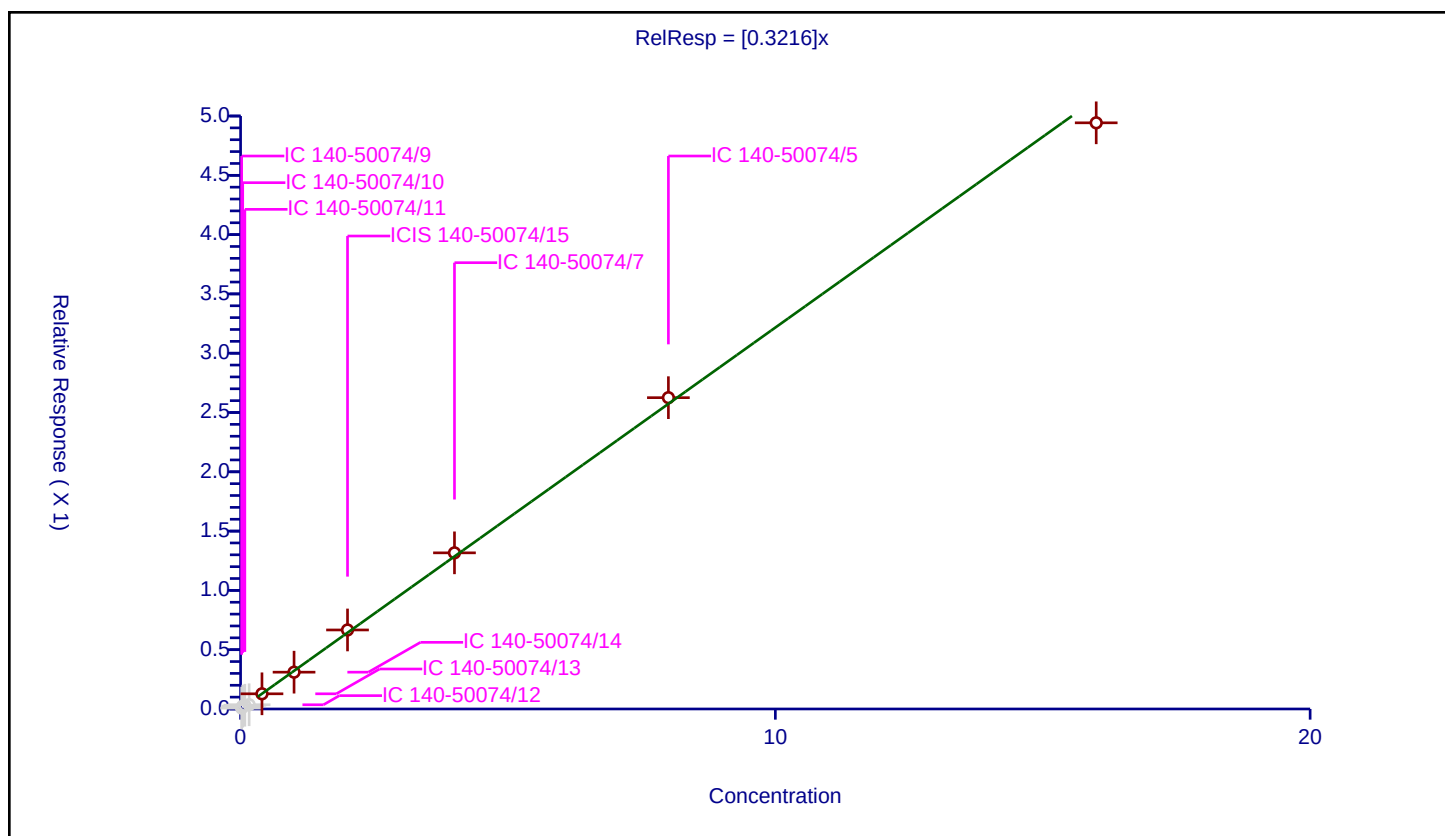
Curve Coefficients

Intercept: 0
 Slope: 0.3216

Error Coefficients

Standard Error: 170000
 Relative Standard Error: 3.2
 Correlation Coefficient: 0.984
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.007448	4.8	282938.0	0.372378	N
2	IC 140-50074/10	0.04	0.023958	4.8	264868.0	0.59894	N
3	IC 140-50074/11	0.08	0.031546	4.8	257912.0	0.394321	N
4	IC 140-50074/12	0.16	0.035581	4.8	249166.0	0.222382	N
5	IC 140-50074/13	0.4	0.127987	4.8	251013.0	0.319967	Y
6	IC 140-50074/14	1.0	0.310353	4.8	270412.0	0.310353	Y
7	ICIS 140-50074/15	2.0	0.666464	4.8	293979.0	0.333232	Y
8	IC 140-50074/7	4.0	1.316557	4.8	334622.0	0.329139	Y
9	IC 140-50074/5	8.0	2.624991	4.8	351908.0	0.328124	Y
10	IC 140-50074/3	16.0	4.942604	4.8	301388.0	0.308913	Y



Calibration

/ Acetonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

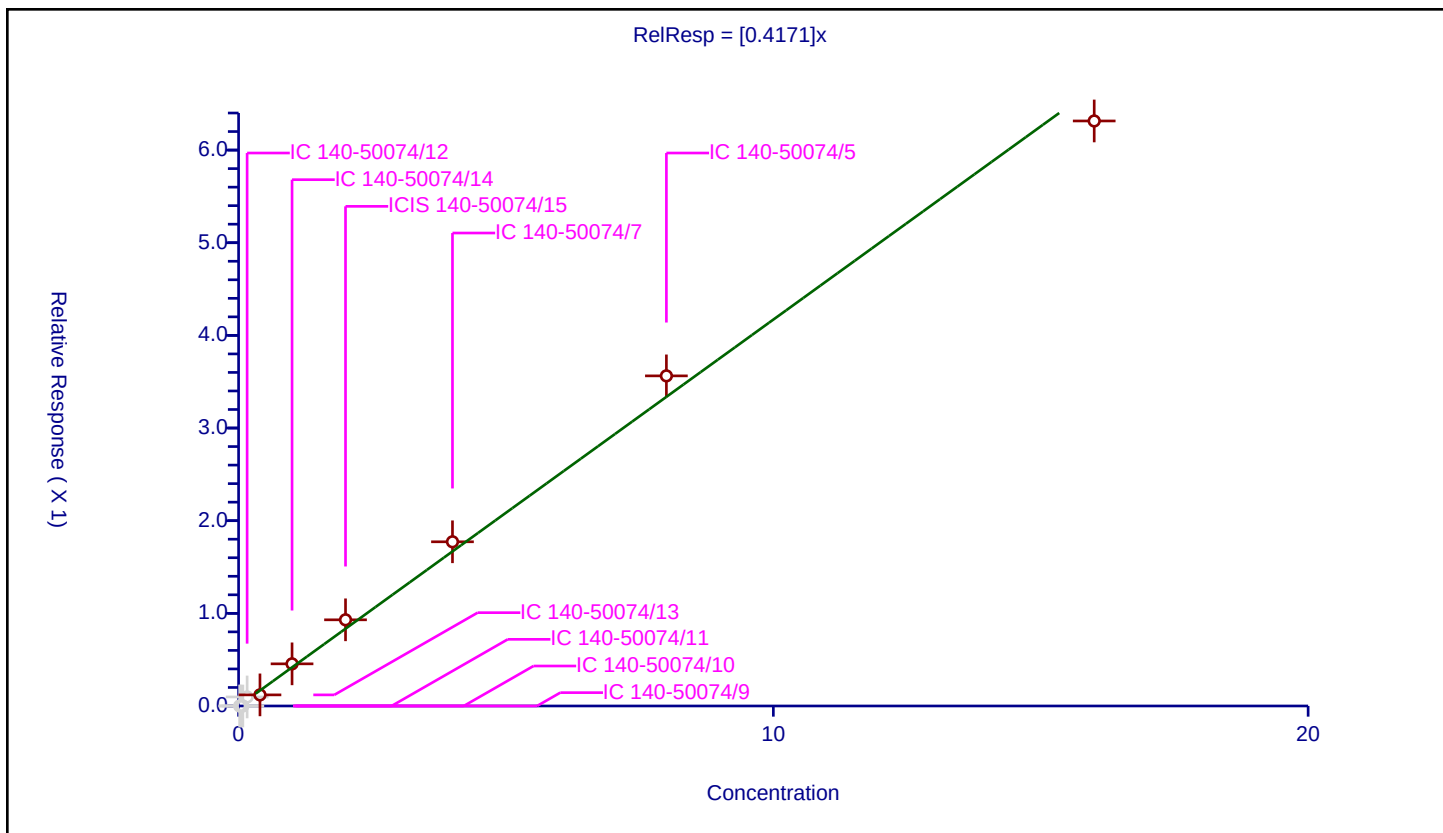
Curve Coefficients

Intercept: 0
 Slope: 0.4171

Error Coefficients

Standard Error: 221000
 Relative Standard Error: 15.0
 Correlation Coefficient: 0.974
 Coefficient of Determination (Adjusted): 0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.0	4.8	282938.0	0.0	N
2	IC 140-50074/10	0.04	0.0	4.8	264868.0	0.0	N
3	IC 140-50074/11	0.08	0.0	4.8	257912.0	0.0	N
4	IC 140-50074/12	0.16	0.097477	4.8	249166.0	0.609232	N
5	IC 140-50074/13	0.4	0.119764	4.8	251013.0	0.299411	Y
6	IC 140-50074/14	1.0	0.454861	4.8	270412.0	0.454861	Y
7	ICIS 140-50074/15	2.0	0.929977	4.8	293979.0	0.464988	Y
8	IC 140-50074/7	4.0	1.772139	4.8	334622.0	0.443035	Y
9	IC 140-50074/5	8.0	3.563009	4.8	351908.0	0.445376	Y
10	IC 140-50074/3	16.0	6.314115	4.8	301388.0	0.394632	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

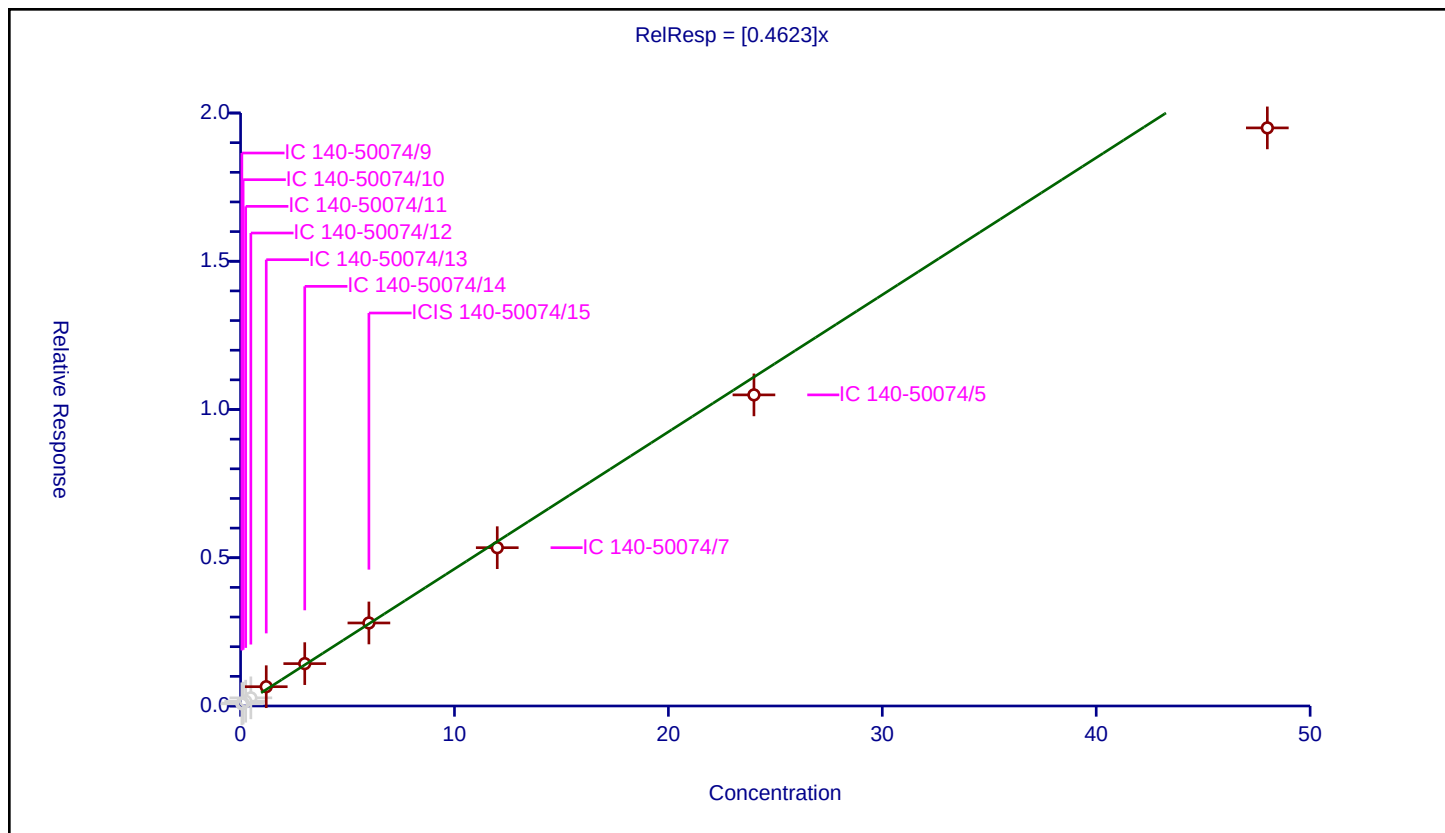
Curve Coefficients

Intercept: 0
 Slope: 0.4623

Error Coefficients

Standard Error: 673000
 Relative Standard Error: 10.0
 Correlation Coefficient: 0.983
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.06	0.073068	4.8	282938.0	1.217793	N
2	IC 140-50074/10	0.12	0.097262	4.8	264868.0	0.810517	N
3	IC 140-50074/11	0.24	0.161339	4.8	257912.0	0.672245	N
4	IC 140-50074/12	0.48	0.274612	4.8	249166.0	0.572109	N
5	IC 140-50074/13	1.2	0.650969	4.8	251013.0	0.542474	Y
6	IC 140-50074/14	3.0	1.429019	4.8	270412.0	0.47634	Y
7	ICIS 140-50074/15	6.0	2.800053	4.8	293979.0	0.466676	Y
8	IC 140-50074/7	12.0	5.339341	4.8	334622.0	0.444945	Y
9	IC 140-50074/5	24.0	10.493211	4.8	351908.0	0.437217	Y
10	IC 140-50074/3	48.0	19.498507	4.8	301388.0	0.406219	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

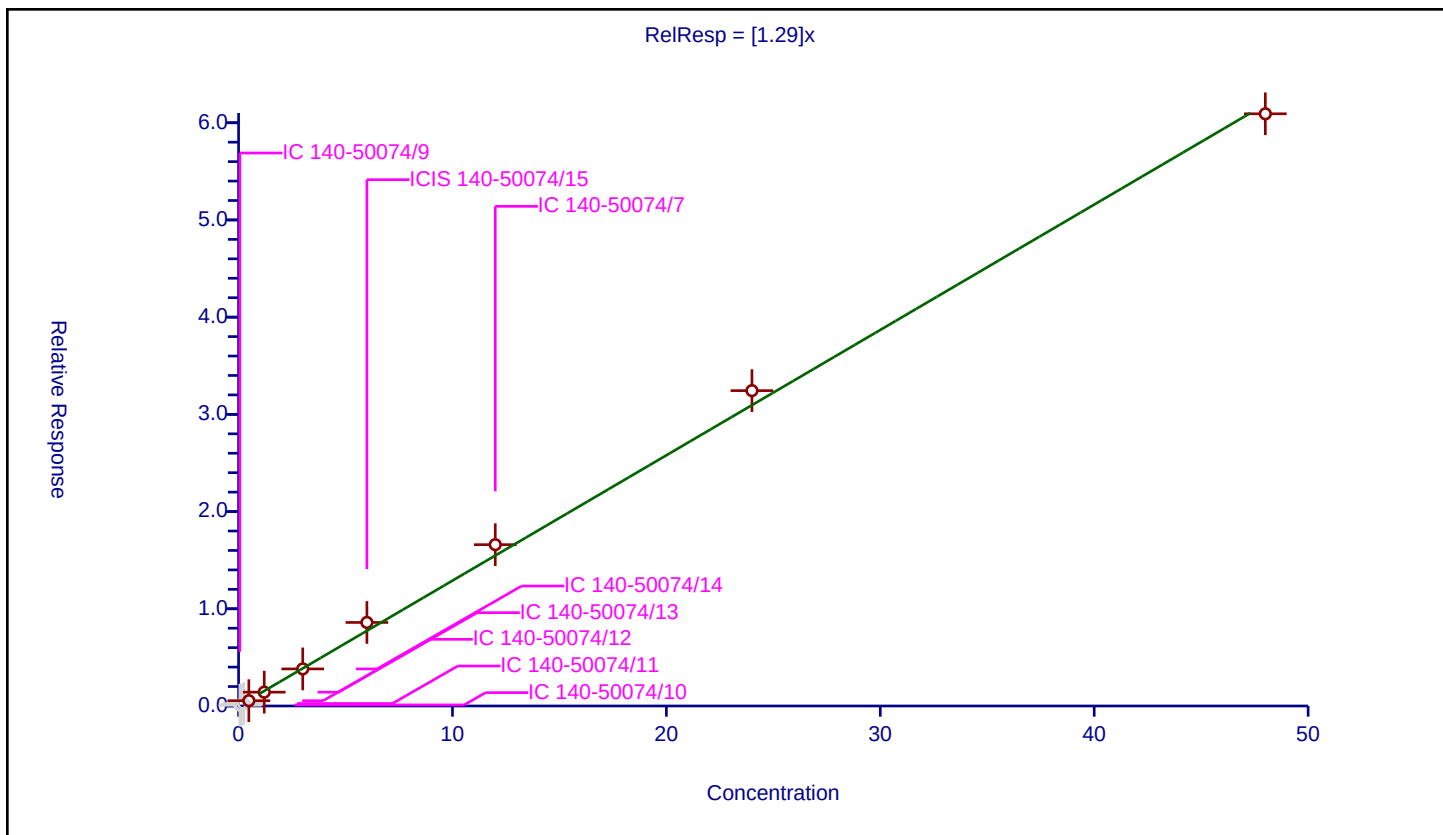
Curve Coefficients

Intercept: 0
 Slope: 1.29

Error Coefficients

Standard Error: 1910000
 Relative Standard Error: 8.3
 Correlation Coefficient: 0.985
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.06	0.092408	4.8	282938.0	1.540125	N
2	IC 140-50074/10	0.12	0.110546	4.8	264868.0	0.921214	N
3	IC 140-50074/11	0.24	0.254263	4.8	257912.0	1.059431	N
4	IC 140-50074/12	0.48	0.543907	4.8	249166.0	1.13314	Y
5	IC 140-50074/13	1.2	1.422811	4.8	251013.0	1.185676	Y
6	IC 140-50074/14	3.0	3.815582	4.8	270412.0	1.271861	Y
7	ICIS 140-50074/15	6.0	8.594083	4.8	293979.0	1.432347	Y
8	IC 140-50074/7	12.0	16.594945	4.8	334622.0	1.382912	Y
9	IC 140-50074/5	24.0	32.438847	4.8	351908.0	1.351619	Y
10	IC 140-50074/3	48.0	60.919681	4.8	301388.0	1.26916	Y



Calibration

/ Pentane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

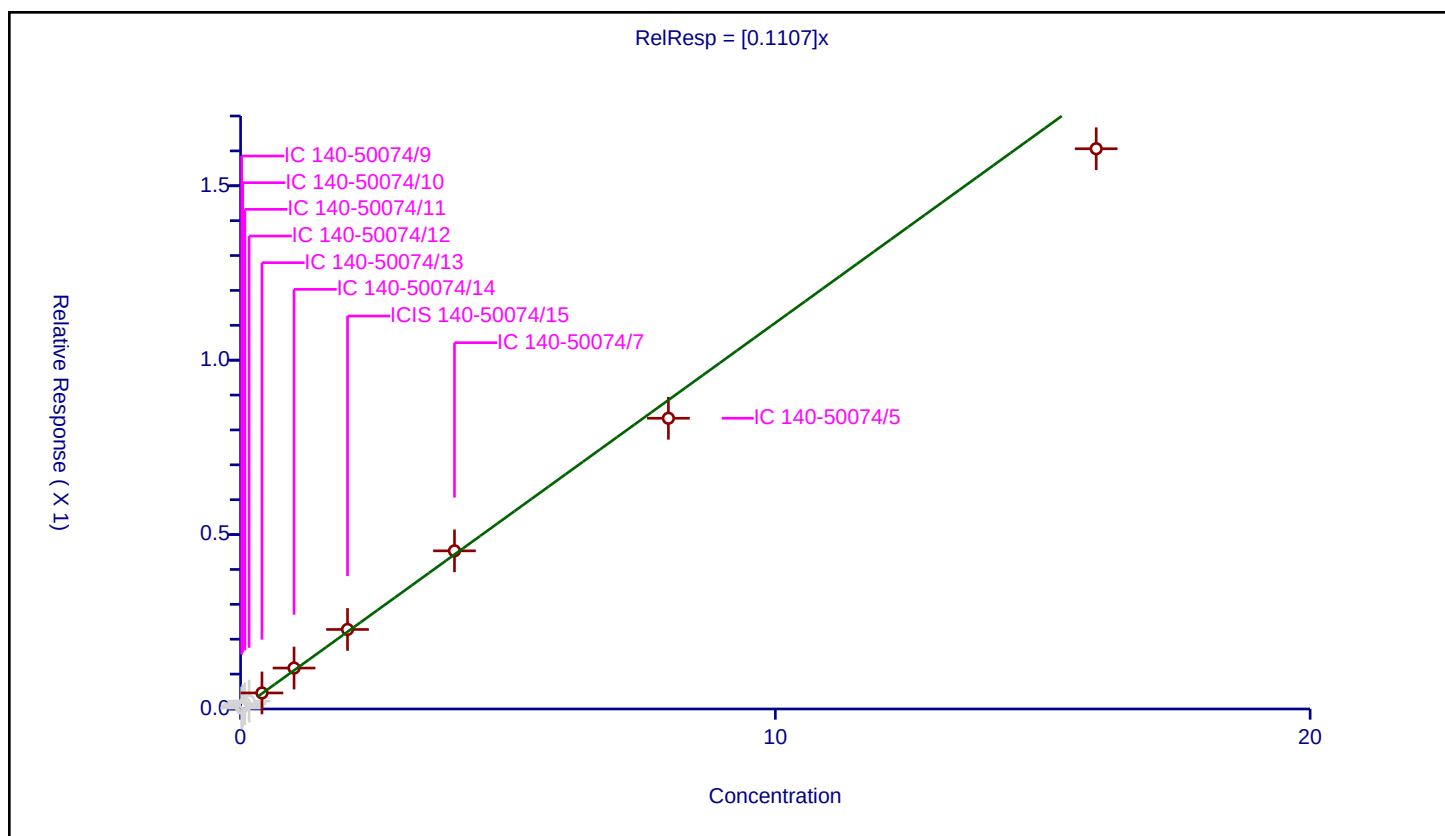
Curve Coefficients

Intercept: 0
 Slope: 0.1107

Error Coefficients

Standard Error: 55000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.987
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.002714	4.8	282938.0	0.135719	N
2	IC 140-50074/10	0.04	0.009442	4.8	264868.0	0.236042	N
3	IC 140-50074/11	0.08	0.015112	4.8	257912.0	0.188902	N
4	IC 140-50074/12	0.16	0.022501	4.8	249166.0	0.140629	N
5	IC 140-50074/13	0.4	0.045971	4.8	251013.0	0.114926	Y
6	IC 140-50074/14	1.0	0.117385	4.8	270412.0	0.117385	Y
7	ICIS 140-50074/15	2.0	0.228016	4.8	293979.0	0.114008	Y
8	IC 140-50074/7	4.0	0.453402	4.8	334622.0	0.113351	Y
9	IC 140-50074/5	8.0	0.833522	4.8	351908.0	0.10419	Y
10	IC 140-50074/3	16.0	1.606201	4.8	301388.0	0.100388	Y



Calibration

/ Ethyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

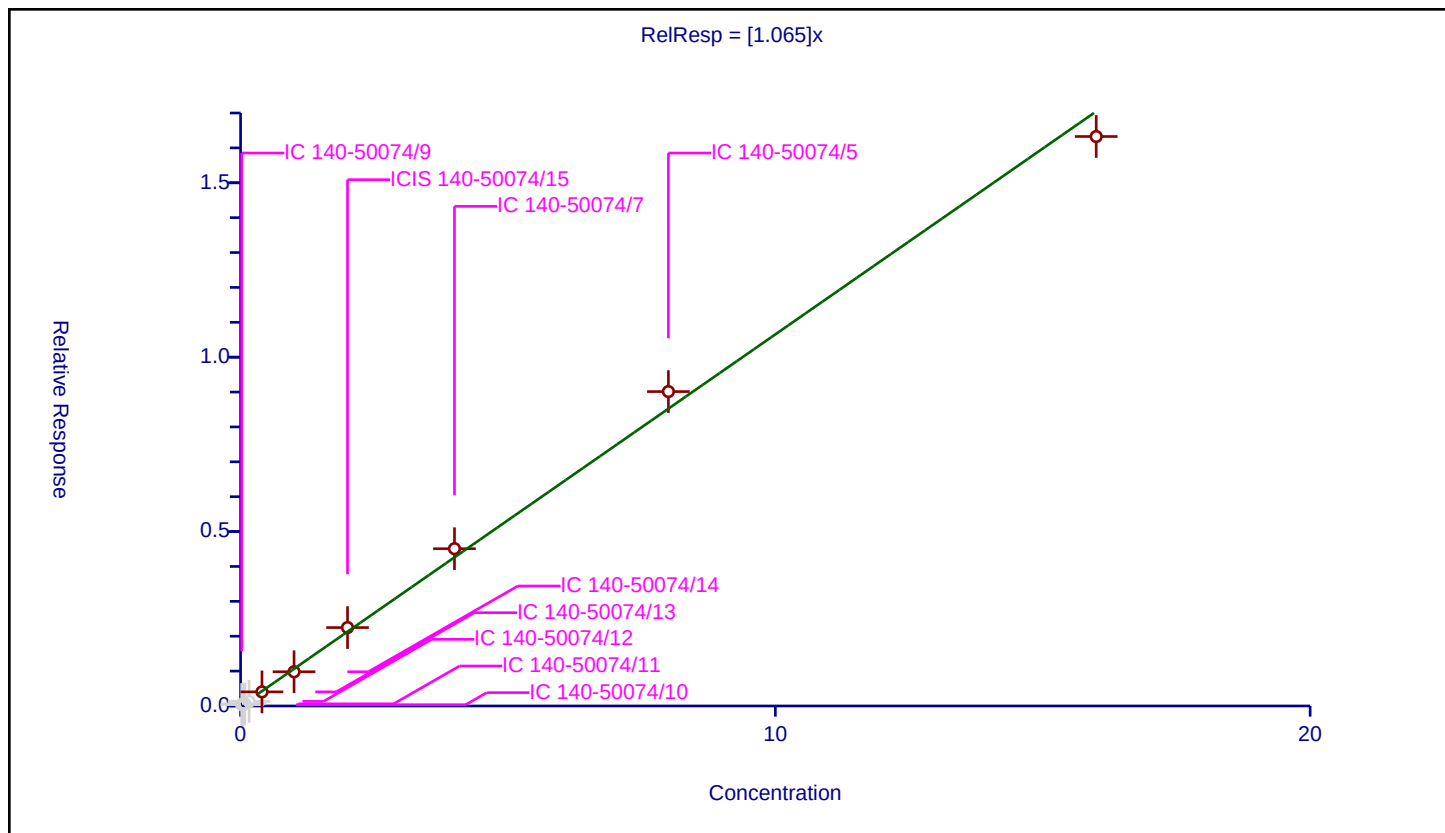
Curve Coefficients

Intercept: 0
 Slope: 1.065

Error Coefficients

Standard Error: 567000
 Relative Standard Error: 6.4
 Correlation Coefficient: 0.977
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.042768	4.8	282938.0	2.138419	N
2	IC 140-50074/10	0.04	0.036987	4.8	264868.0	0.924687	N
3	IC 140-50074/11	0.08	0.061454	4.8	257912.0	0.768169	N
4	IC 140-50074/12	0.16	0.131979	4.8	249166.0	0.824872	N
5	IC 140-50074/13	0.4	0.404805	4.8	251013.0	1.012011	Y
6	IC 140-50074/14	1.0	0.981613	4.8	270412.0	0.981613	Y
7	ICIS 140-50074/15	2.0	2.248242	4.8	293979.0	1.124121	Y
8	IC 140-50074/7	4.0	4.509093	4.8	334622.0	1.127273	Y
9	IC 140-50074/5	8.0	9.013742	4.8	351908.0	1.126718	Y
10	IC 140-50074/3	16.0	16.326415	4.8	301388.0	1.020401	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

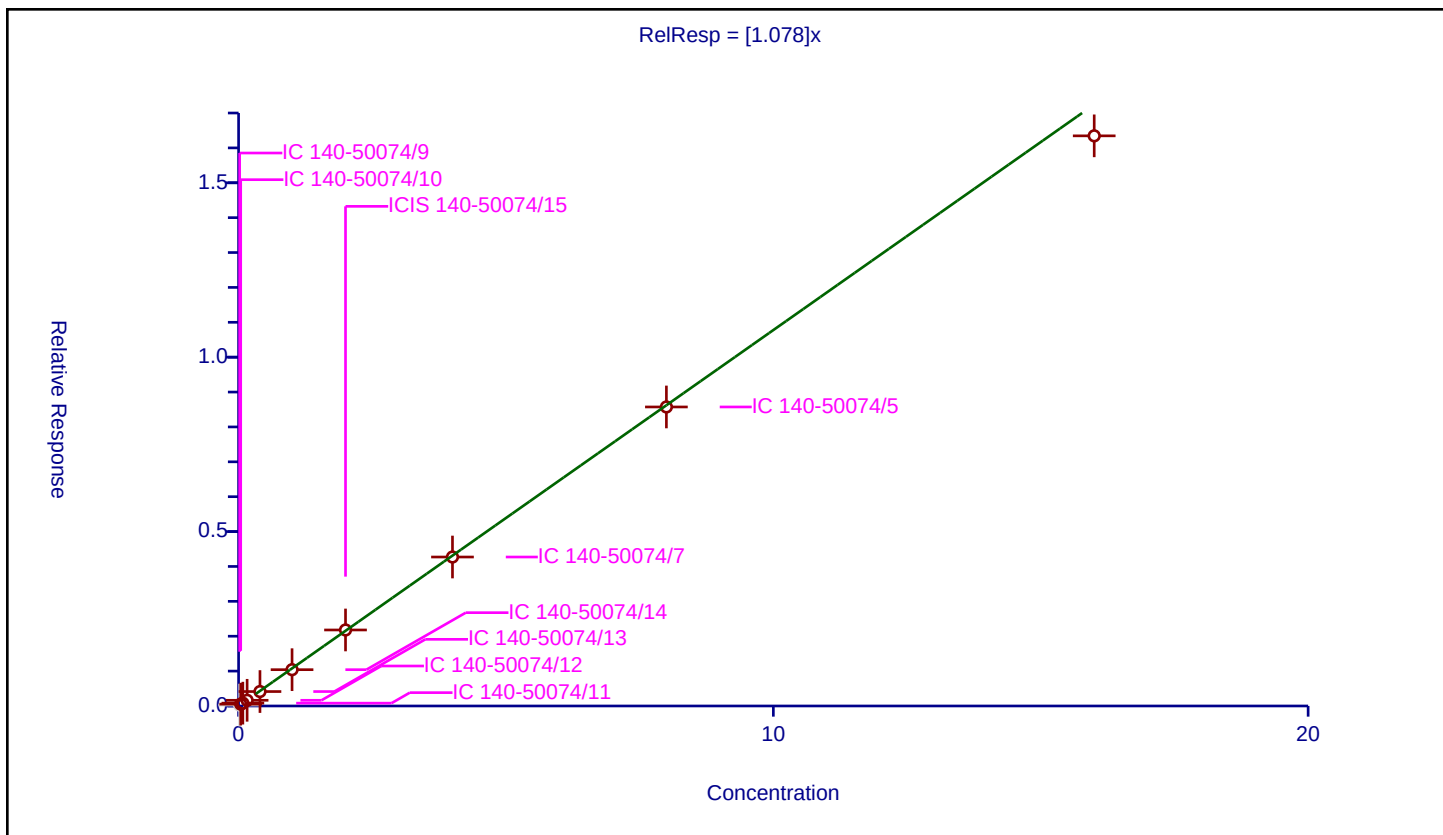
Curve Coefficients

Intercept: 0
 Slope: 1.078

Error Coefficients

Standard Error: 441000
 Relative Standard Error: 9.2
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.02638	4.8	282938.0	1.319017	N
2	IC 140-50074/10	0.04	0.053316	4.8	264868.0	1.33289	Y
3	IC 140-50074/11	0.08	0.081516	4.8	257912.0	1.018952	Y
4	IC 140-50074/12	0.16	0.163342	4.8	249166.0	1.020886	Y
5	IC 140-50074/13	0.4	0.414213	4.8	251013.0	1.035532	Y
6	IC 140-50074/14	1.0	1.040936	4.8	270412.0	1.040936	Y
7	ICIS 140-50074/15	2.0	2.179372	4.8	293979.0	1.089686	Y
8	IC 140-50074/7	4.0	4.271088	4.8	334622.0	1.067772	Y
9	IC 140-50074/5	8.0	8.572531	4.8	351908.0	1.071566	Y
10	IC 140-50074/3	16.0	16.345272	4.8	301388.0	1.021579	Y



Calibration

/ 2-Methyl-2-propanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

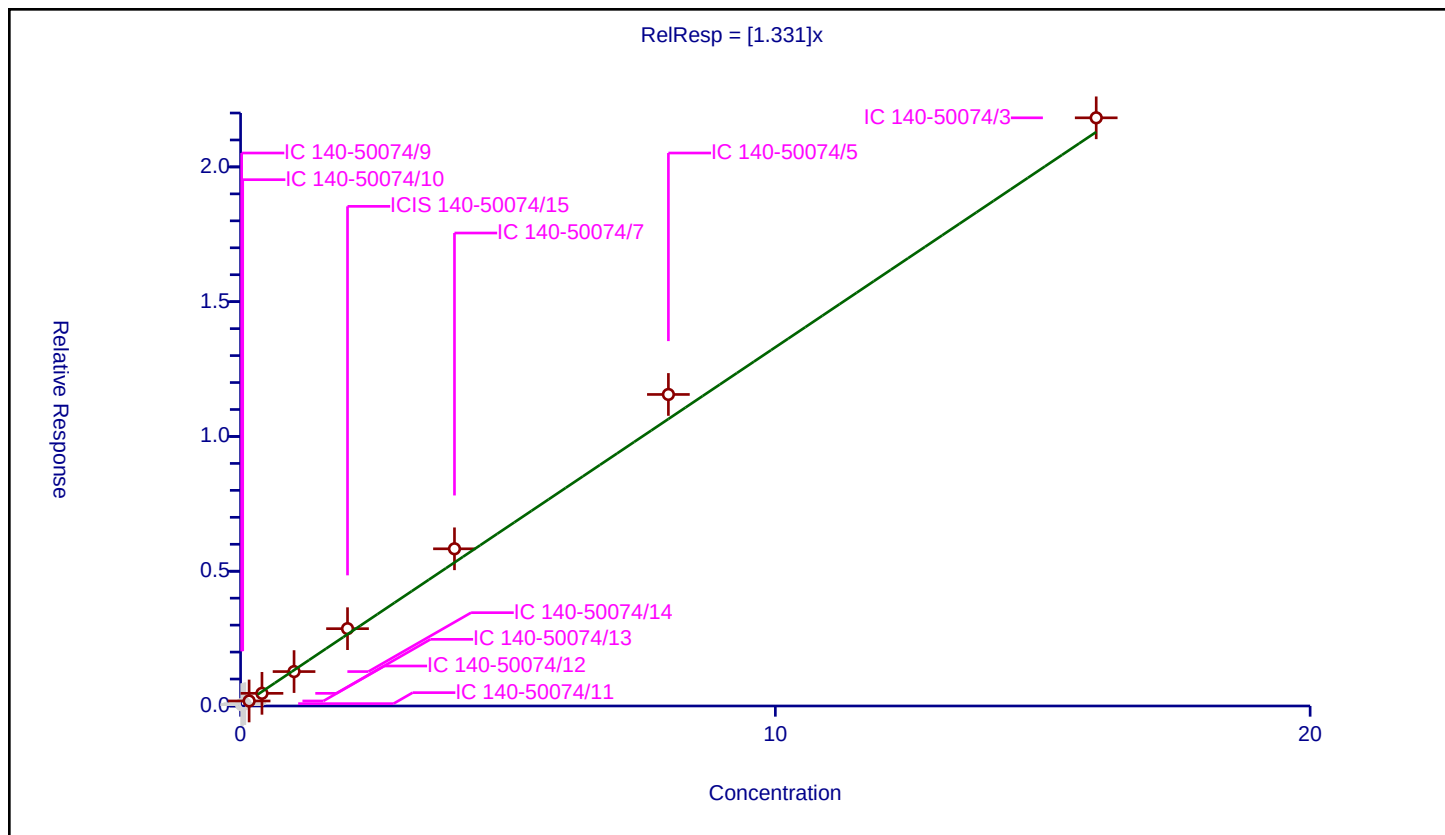
Curve Coefficients

Intercept: 0
 Slope: 1.331

Error Coefficients

Standard Error: 683000
 Relative Standard Error: 9.5
 Correlation Coefficient: 0.986
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.049334	4.8	282938.0	2.466689	N
2	IC 140-50074/10	0.04	0.056904	4.8	264868.0	1.422595	N
3	IC 140-50074/11	0.08	0.087416	4.8	257912.0	1.092698	N
4	IC 140-50074/12	0.16	0.186478	4.8	249166.0	1.165488	Y
5	IC 140-50074/13	0.4	0.469362	4.8	251013.0	1.173405	Y
6	IC 140-50074/14	1.0	1.276825	4.8	270412.0	1.276825	Y
7	ICIS 140-50074/15	2.0	2.869087	4.8	293979.0	1.434543	Y
8	IC 140-50074/7	4.0	5.831961	4.8	334622.0	1.45799	Y
9	IC 140-50074/5	8.0	11.558626	4.8	351908.0	1.444828	Y
10	IC 140-50074/3	16.0	21.822236	4.8	301388.0	1.36389	Y



Calibration

/ Acrylonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

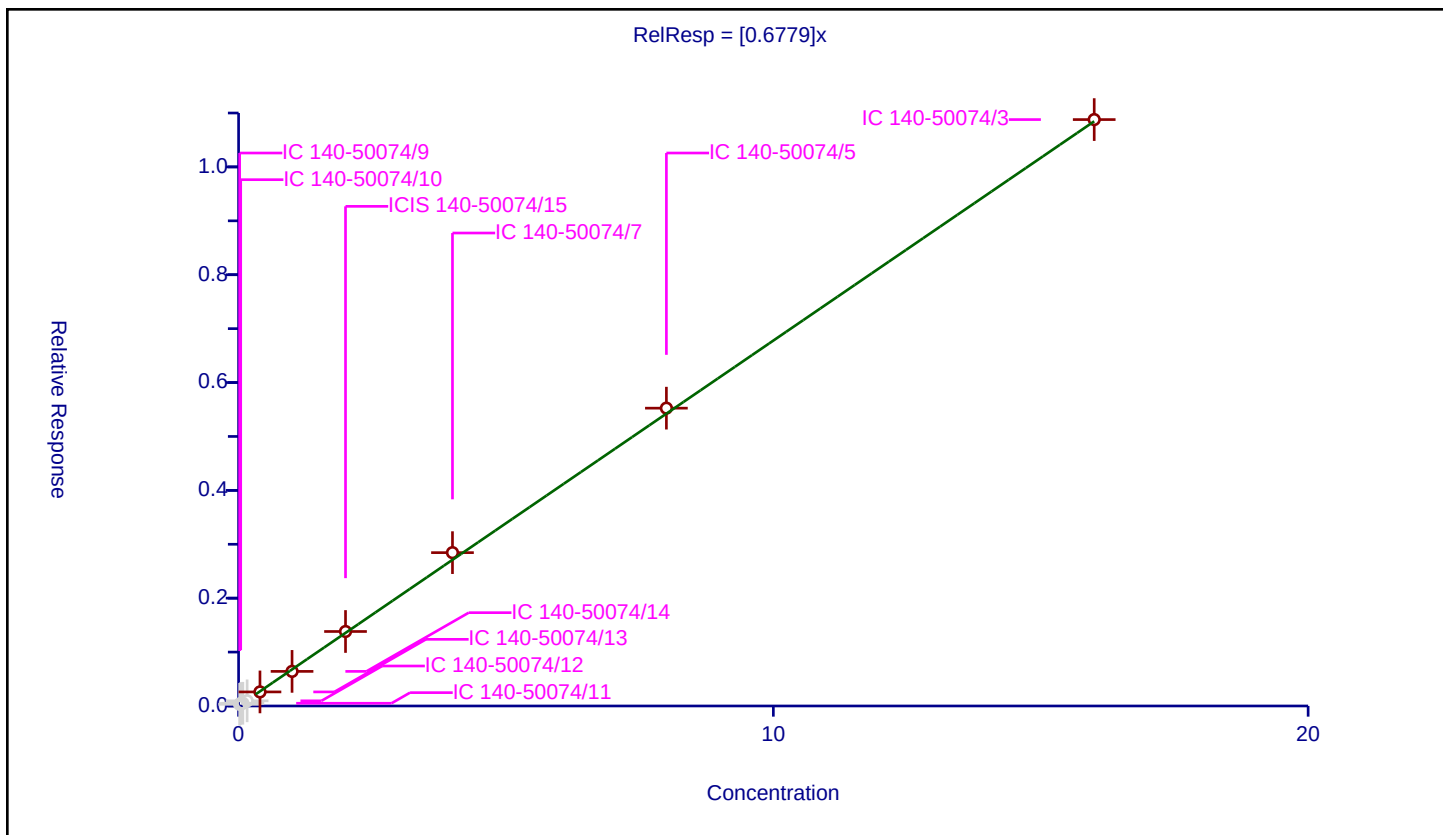
Curve Coefficients

Intercept: 0
 Slope: 0.6779

Error Coefficients

Standard Error: 368000
 Relative Standard Error: 3.8
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.030842	4.8	282938.0	1.542105	N
2	IC 140-50074/10	0.04	0.04603	4.8	264868.0	1.150762	N
3	IC 140-50074/11	0.08	0.050547	4.8	257912.0	0.631843	N
4	IC 140-50074/12	0.16	0.095917	4.8	249166.0	0.59948	N
5	IC 140-50074/13	0.4	0.261137	4.8	251013.0	0.652843	Y
6	IC 140-50074/14	1.0	0.641723	4.8	270412.0	0.641723	Y
7	ICIS 140-50074/15	2.0	1.381993	4.8	293979.0	0.690996	Y
8	IC 140-50074/7	4.0	2.844824	4.8	334622.0	0.711206	Y
9	IC 140-50074/5	8.0	5.525071	4.8	351908.0	0.690634	Y
10	IC 140-50074/3	16.0	10.878166	4.8	301388.0	0.679885	Y



Calibration

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

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

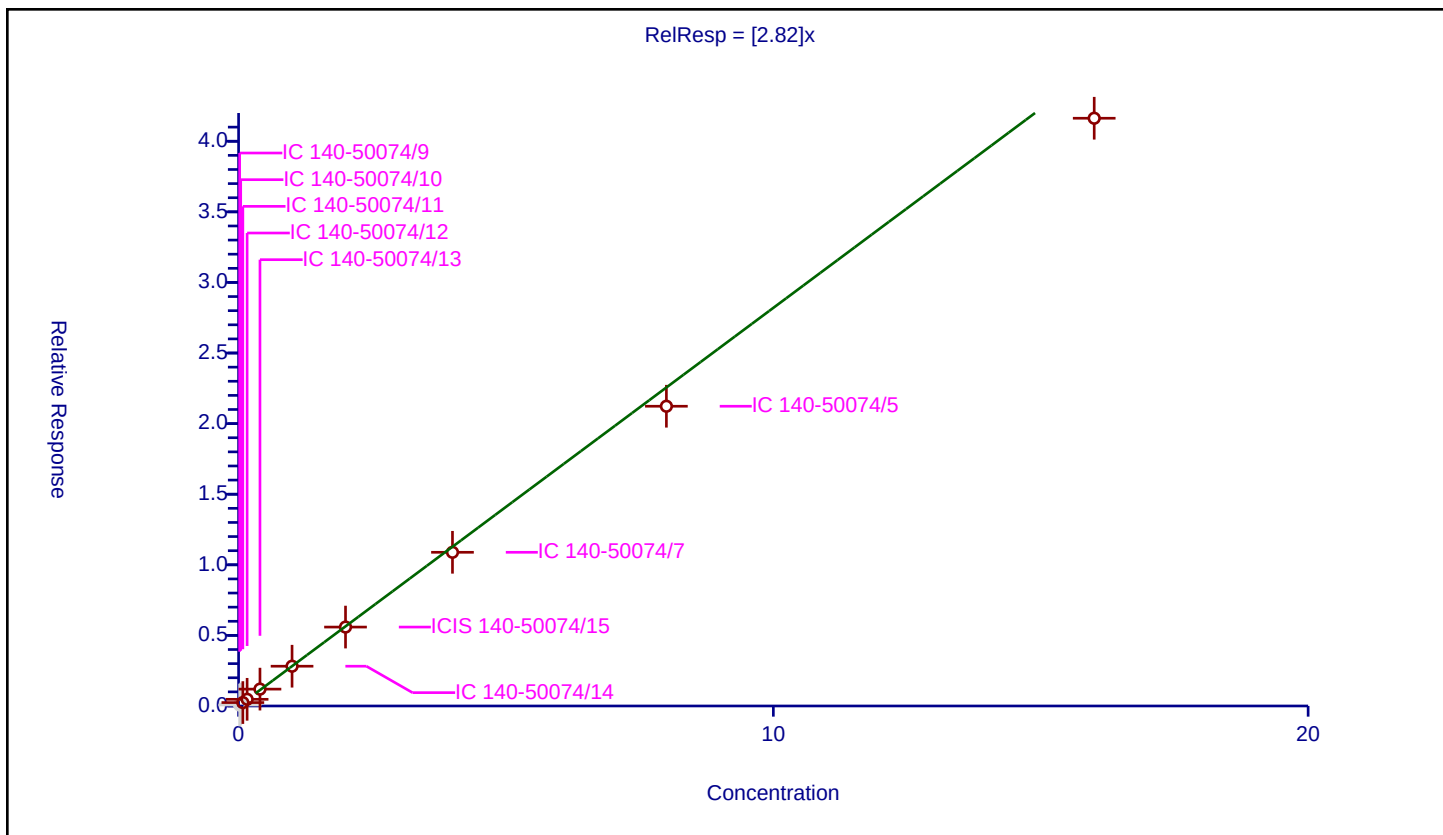
Curve Coefficients

Intercept: 0
 Slope: 2.82

Error Coefficients

Standard Error: 1190000
 Relative Standard Error: 5.6
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.068945	4.8	282938.0	3.447257	N
2	IC 140-50074/10	0.04	0.137747	4.8	264868.0	3.443678	N
3	IC 140-50074/11	0.08	0.242073	4.8	257912.0	3.025916	Y
4	IC 140-50074/12	0.16	0.473554	4.8	249166.0	2.959714	Y
5	IC 140-50074/13	0.4	1.193761	4.8	251013.0	2.984403	Y
6	IC 140-50074/14	1.0	2.817319	4.8	270412.0	2.817319	Y
7	ICIS 140-50074/15	2.0	5.590636	4.8	293979.0	2.795318	Y
8	IC 140-50074/7	4.0	10.886175	4.8	334622.0	2.721544	Y
9	IC 140-50074/5	8.0	21.231504	4.8	351908.0	2.653938	Y
10	IC 140-50074/3	16.0	41.628869	4.8	301388.0	2.601804	Y



Calibration

/ Methylene Chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

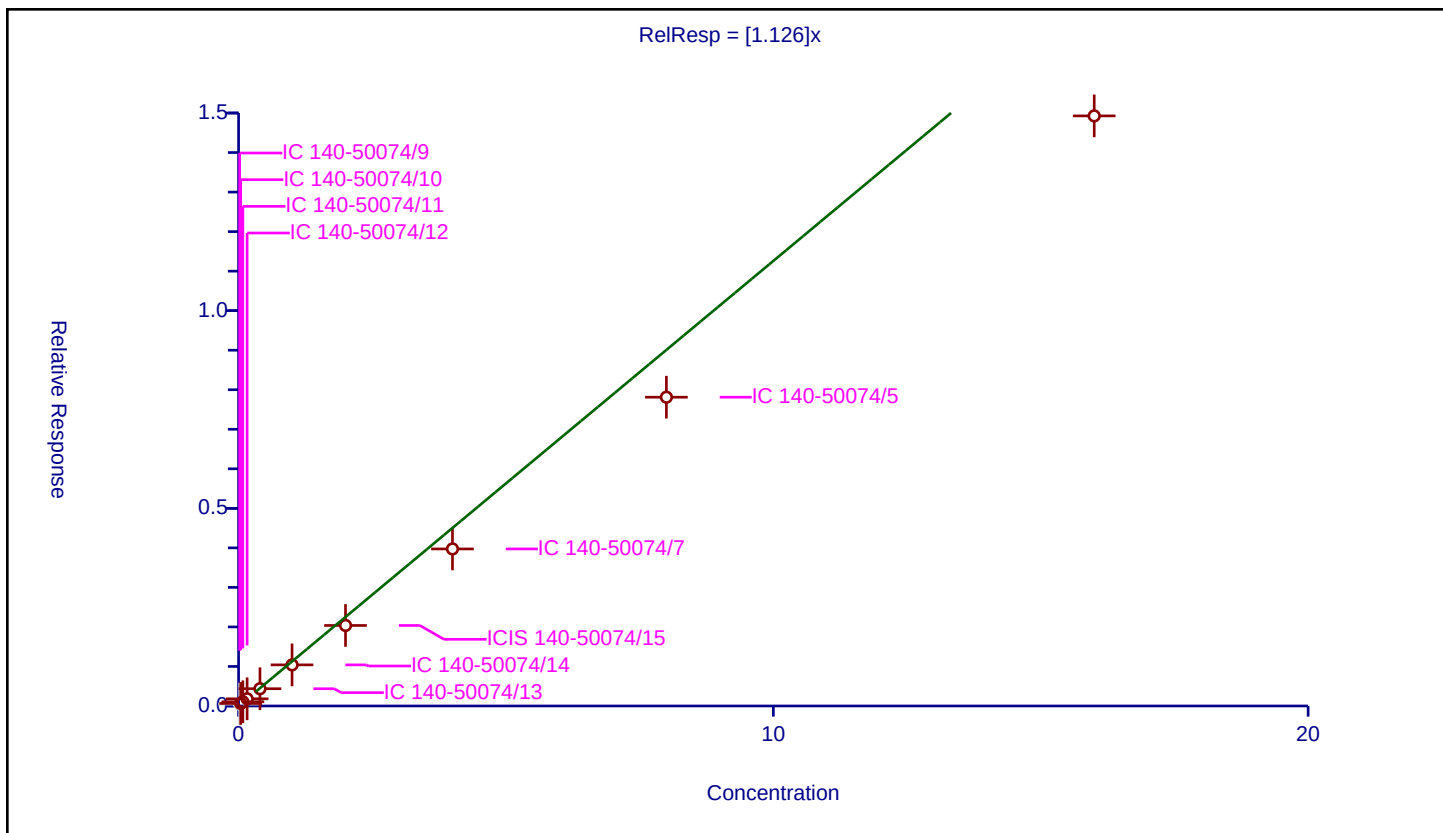
Curve Coefficients

Intercept: 0
 Slope: 1.126

Error Coefficients

Standard Error: 404000
 Relative Standard Error: 19.2
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.939

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.047756	4.8	282938.0	2.387802	N
2	IC 140-50074/10	0.04	0.064189	4.8	264868.0	1.604724	Y
3	IC 140-50074/11	0.08	0.107218	4.8	257912.0	1.340225	Y
4	IC 140-50074/12	0.16	0.181681	4.8	249166.0	1.135508	Y
5	IC 140-50074/13	0.4	0.43651	4.8	251013.0	1.091274	Y
6	IC 140-50074/14	1.0	1.040013	4.8	270412.0	1.040013	Y
7	ICIS 140-50074/15	2.0	2.037109	4.8	293979.0	1.018554	Y
8	IC 140-50074/7	4.0	3.972822	4.8	334622.0	0.993205	Y
9	IC 140-50074/5	8.0	7.811137	4.8	351908.0	0.976392	Y
10	IC 140-50074/3	16.0	14.92689	4.8	301388.0	0.932931	Y



Calibration

/ 3-Chloro-1-propene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

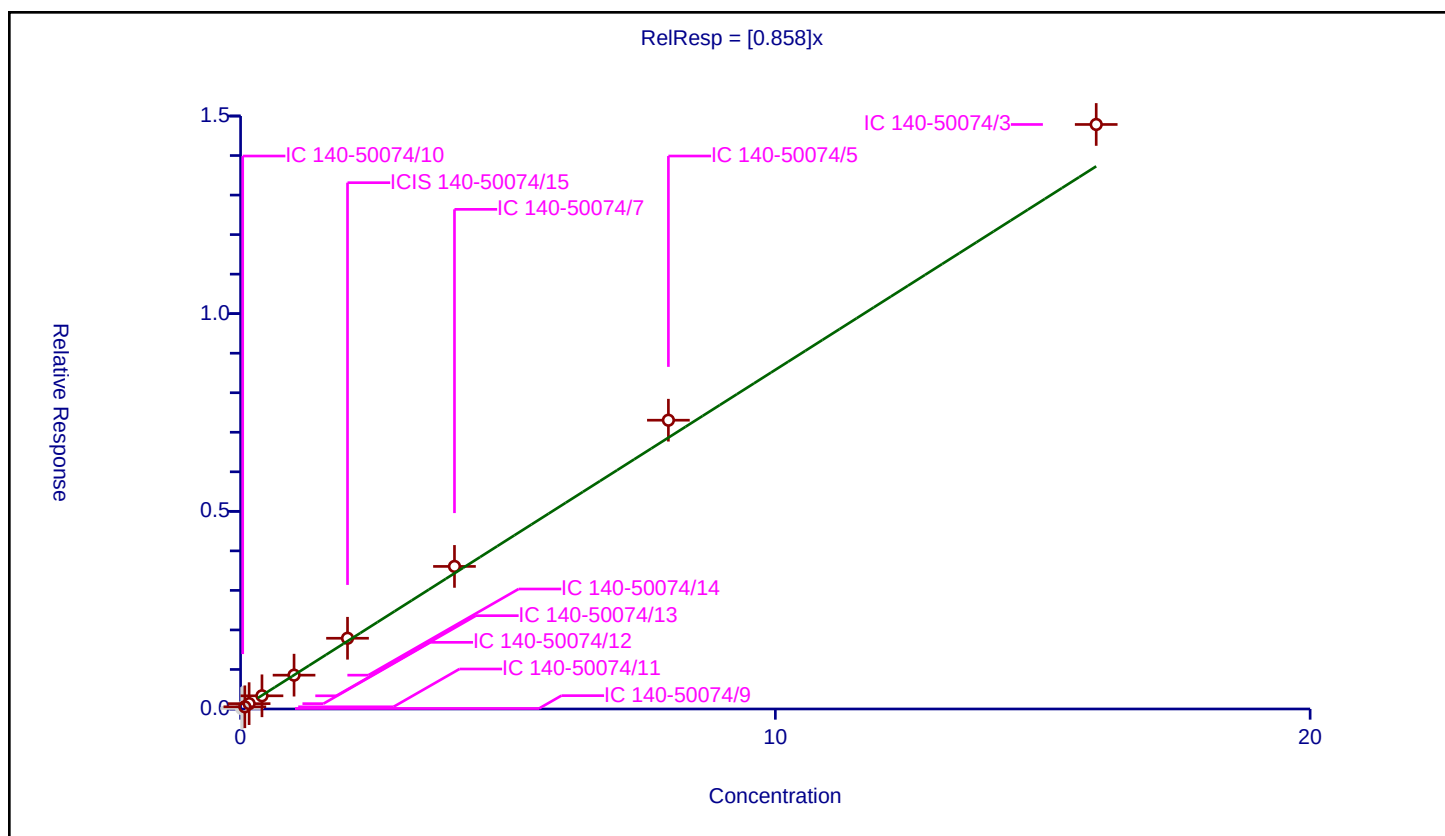
Curve Coefficients

Intercept: 0
 Slope: 0.858

Error Coefficients

Standard Error: 419000
 Relative Standard Error: 8.6
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.013199	4.8	282938.0	0.659933	N
2	IC 140-50074/10	0.04	0.040032	4.8	264868.0	1.0008	N
3	IC 140-50074/11	0.08	0.055665	4.8	257912.0	0.695819	Y
4	IC 140-50074/12	0.16	0.135062	4.8	249166.0	0.844136	Y
5	IC 140-50074/13	0.4	0.333803	4.8	251013.0	0.834507	Y
6	IC 140-50074/14	1.0	0.855814	4.8	270412.0	0.855814	Y
7	ICIS 140-50074/15	2.0	1.78945	4.8	293979.0	0.894725	Y
8	IC 140-50074/7	4.0	3.606563	4.8	334622.0	0.901641	Y
9	IC 140-50074/5	8.0	7.304932	4.8	351908.0	0.913116	Y
10	IC 140-50074/3	16.0	14.786229	4.8	301388.0	0.924139	Y



Calibration

/ Carbon disulfide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

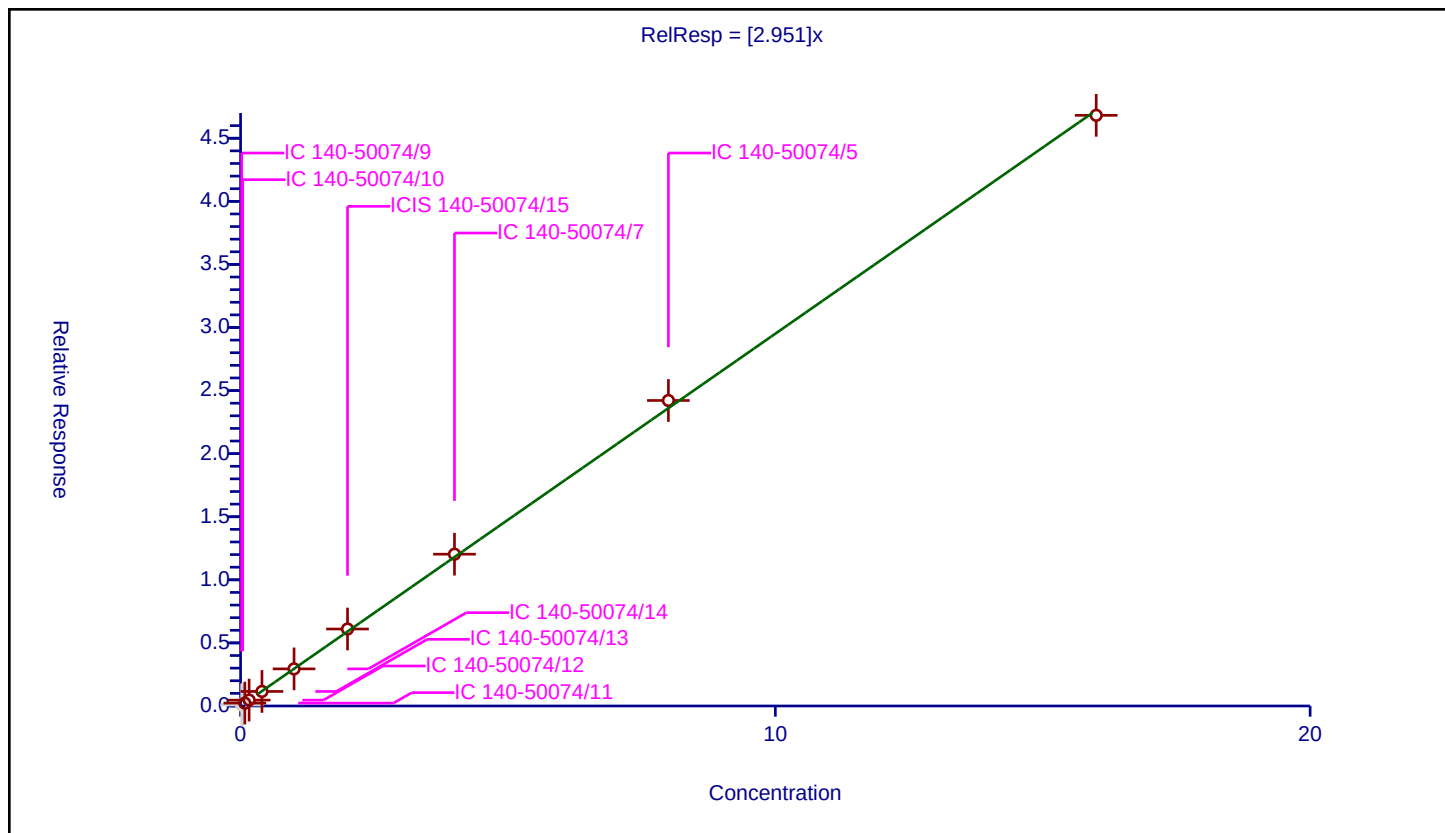
Curve Coefficients

Intercept: 0
 Slope: 2.951

Error Coefficients

Standard Error: 1350000
 Relative Standard Error: 2.4
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.079463	4.8	282938.0	3.973167	N
2	IC 140-50074/10	0.04	0.135174	4.8	264868.0	3.379344	N
3	IC 140-50074/11	0.08	0.228766	4.8	257912.0	2.85958	Y
4	IC 140-50074/12	0.16	0.466349	4.8	249166.0	2.914683	Y
5	IC 140-50074/13	0.4	1.152132	4.8	251013.0	2.880329	Y
6	IC 140-50074/14	1.0	2.94081	4.8	270412.0	2.94081	Y
7	ICIS 140-50074/15	2.0	6.101089	4.8	293979.0	3.050544	Y
8	IC 140-50074/7	4.0	12.032117	4.8	334622.0	3.008029	Y
9	IC 140-50074/5	8.0	24.214638	4.8	351908.0	3.02683	Y
10	IC 140-50074/3	16.0	46.816372	4.8	301388.0	2.926023	Y



Calibration

/ trans-1,2-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

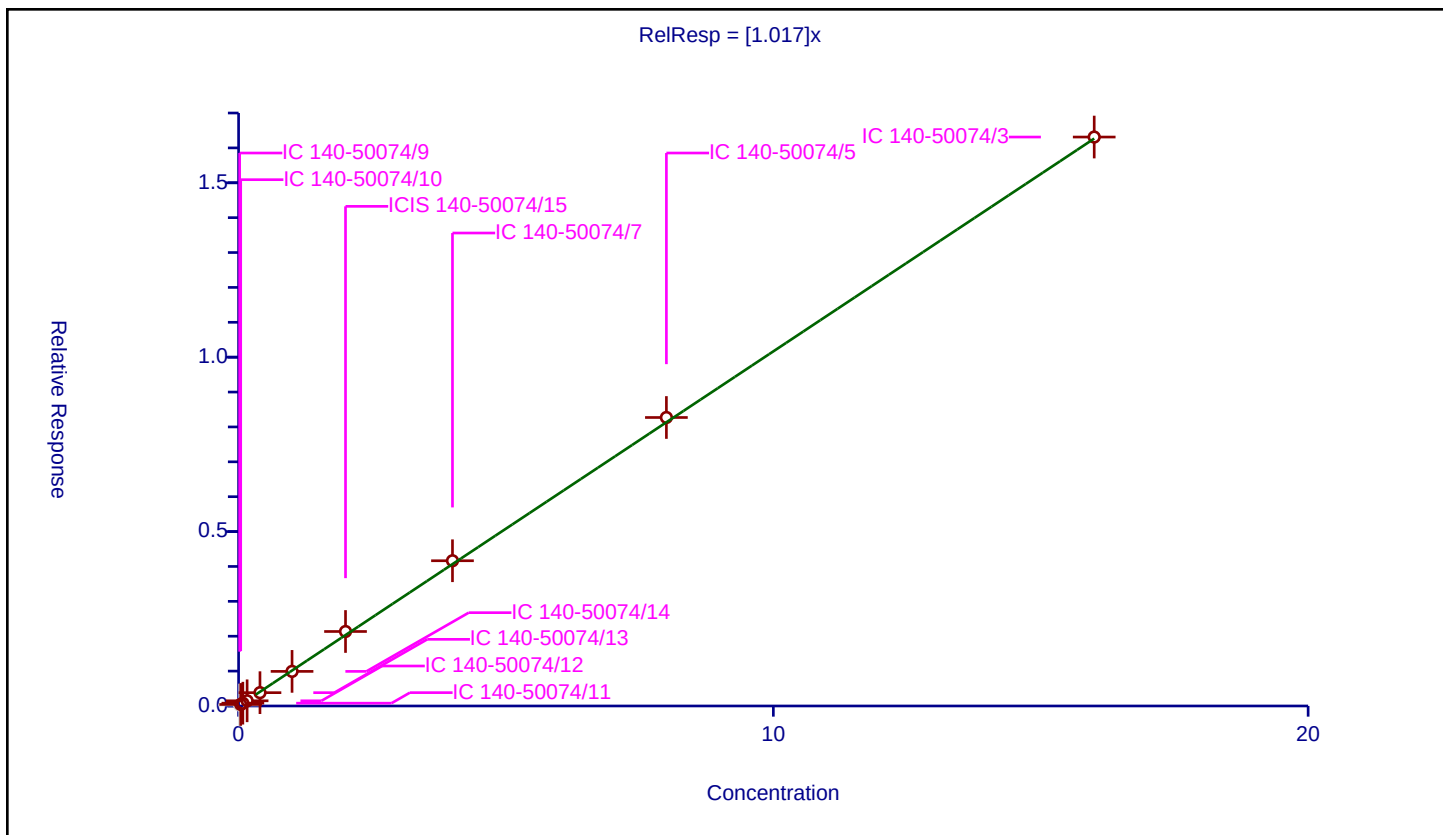
Curve Coefficients

Intercept: 0
 Slope: 1.017

Error Coefficients

Standard Error: 436000
 Relative Standard Error: 5.2
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.028399	4.8	282938.0	1.419958	N
2	IC 140-50074/10	0.04	0.044091	4.8	264868.0	1.102285	Y
3	IC 140-50074/11	0.08	0.080567	4.8	257912.0	1.007088	Y
4	IC 140-50074/12	0.16	0.149009	4.8	249166.0	0.931307	Y
5	IC 140-50074/13	0.4	0.382049	4.8	251013.0	0.955122	Y
6	IC 140-50074/14	1.0	0.992317	4.8	270412.0	0.992317	Y
7	ICIS 140-50074/15	2.0	2.135973	4.8	293979.0	1.067986	Y
8	IC 140-50074/7	4.0	4.163877	4.8	334622.0	1.040969	Y
9	IC 140-50074/5	8.0	8.27053	4.8	351908.0	1.033816	Y
10	IC 140-50074/3	16.0	16.311237	4.8	301388.0	1.019452	Y



Calibration

/ 2-Methylpentane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

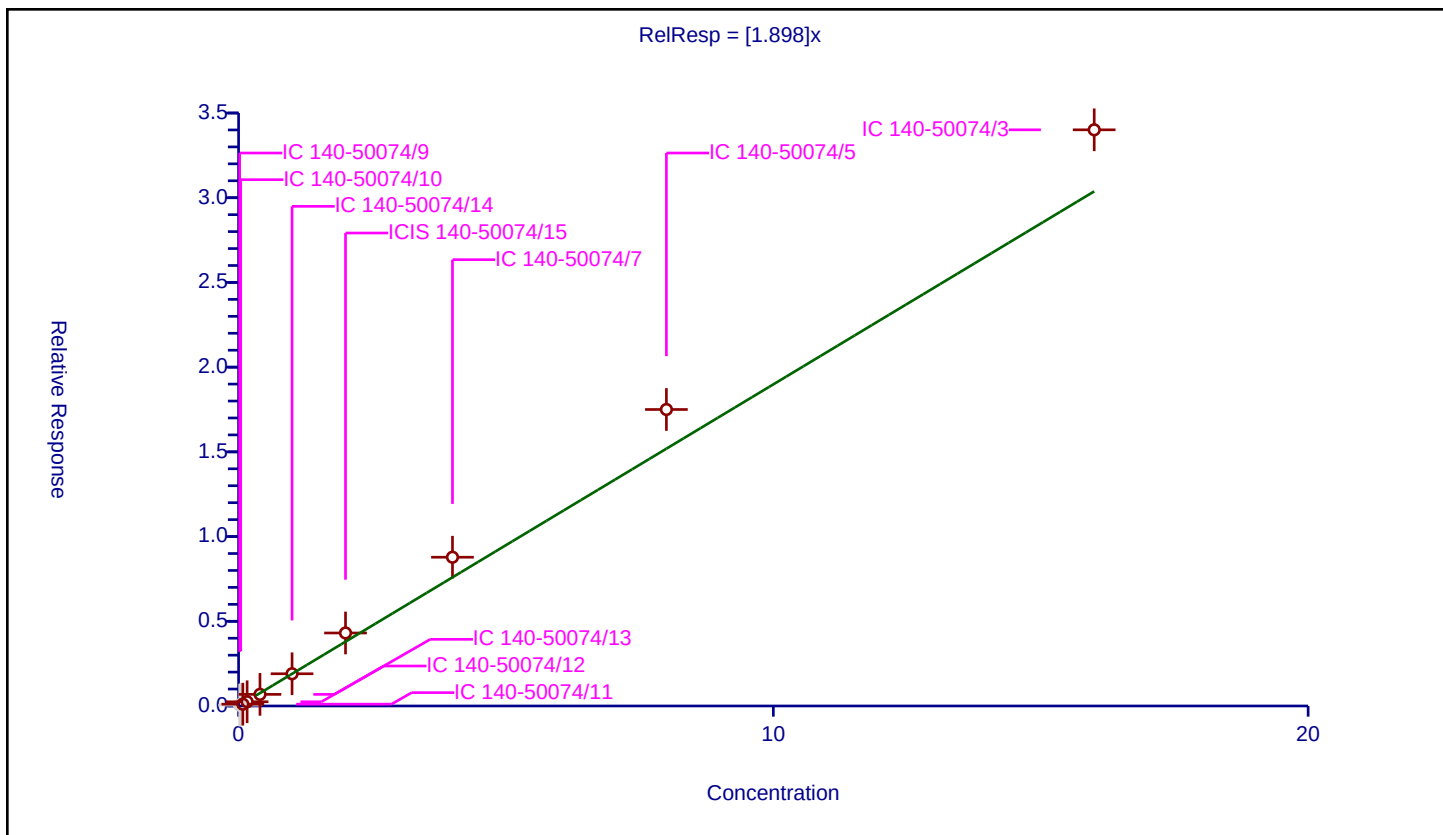
Curve Coefficients

Intercept: 0
 Slope: 1.898

Error Coefficients

Standard Error: 976000
 Relative Standard Error: 17.1
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.049283	4.8	282938.0	2.464144	N
2	IC 140-50074/10	0.04	0.084341	4.8	264868.0	2.108522	N
3	IC 140-50074/11	0.08	0.107962	4.8	257912.0	1.34953	Y
4	IC 140-50074/12	0.16	0.249453	4.8	249166.0	1.559081	Y
5	IC 140-50074/13	0.4	0.685332	4.8	251013.0	1.71333	Y
6	IC 140-50074/14	1.0	1.902111	4.8	270412.0	1.902111	Y
7	ICIS 140-50074/15	2.0	4.309271	4.8	293979.0	2.154636	Y
8	IC 140-50074/7	4.0	8.781185	4.8	334622.0	2.195296	Y
9	IC 140-50074/5	8.0	17.500001	4.8	351908.0	2.1875	Y
10	IC 140-50074/3	16.0	34.008446	4.8	301388.0	2.125528	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

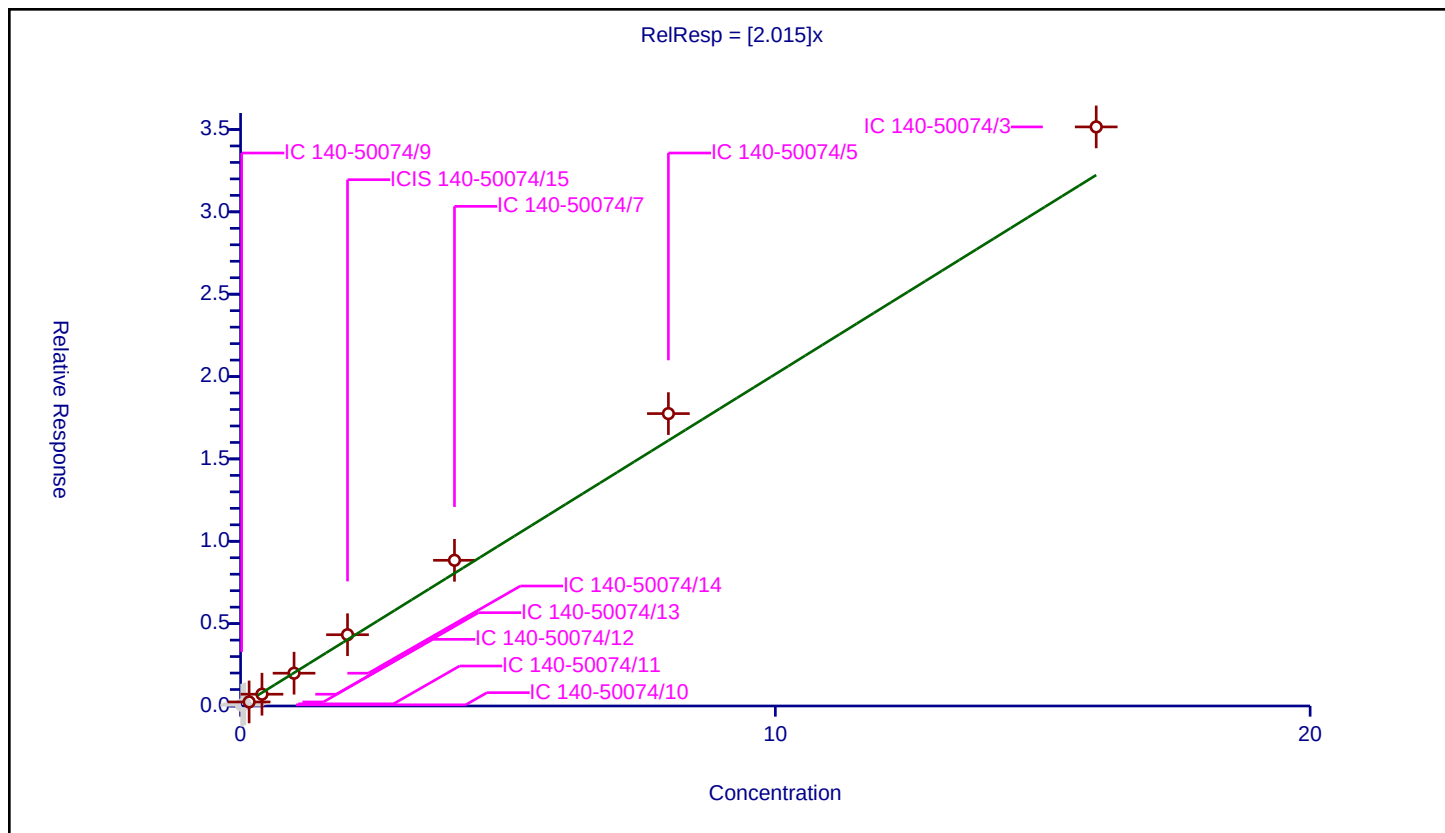
Curve Coefficients

Intercept: 0
 Slope: 2.015

Error Coefficients

Standard Error: 1080000
 Relative Standard Error: 13.1
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.047637	4.8	282938.0	2.381865	N
2	IC 140-50074/10	0.04	0.072217	4.8	264868.0	1.805428	N
3	IC 140-50074/11	0.08	0.129607	4.8	257912.0	1.620087	N
4	IC 140-50074/12	0.16	0.24533	4.8	249166.0	1.533315	Y
5	IC 140-50074/13	0.4	0.71501	4.8	251013.0	1.787525	Y
6	IC 140-50074/14	1.0	1.991131	4.8	270412.0	1.991131	Y
7	ICIS 140-50074/15	2.0	4.326807	4.8	293979.0	2.163404	Y
8	IC 140-50074/7	4.0	8.844731	4.8	334622.0	2.211183	Y
9	IC 140-50074/5	8.0	17.751767	4.8	351908.0	2.218971	Y
10	IC 140-50074/3	16.0	35.156367	4.8	301388.0	2.197273	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

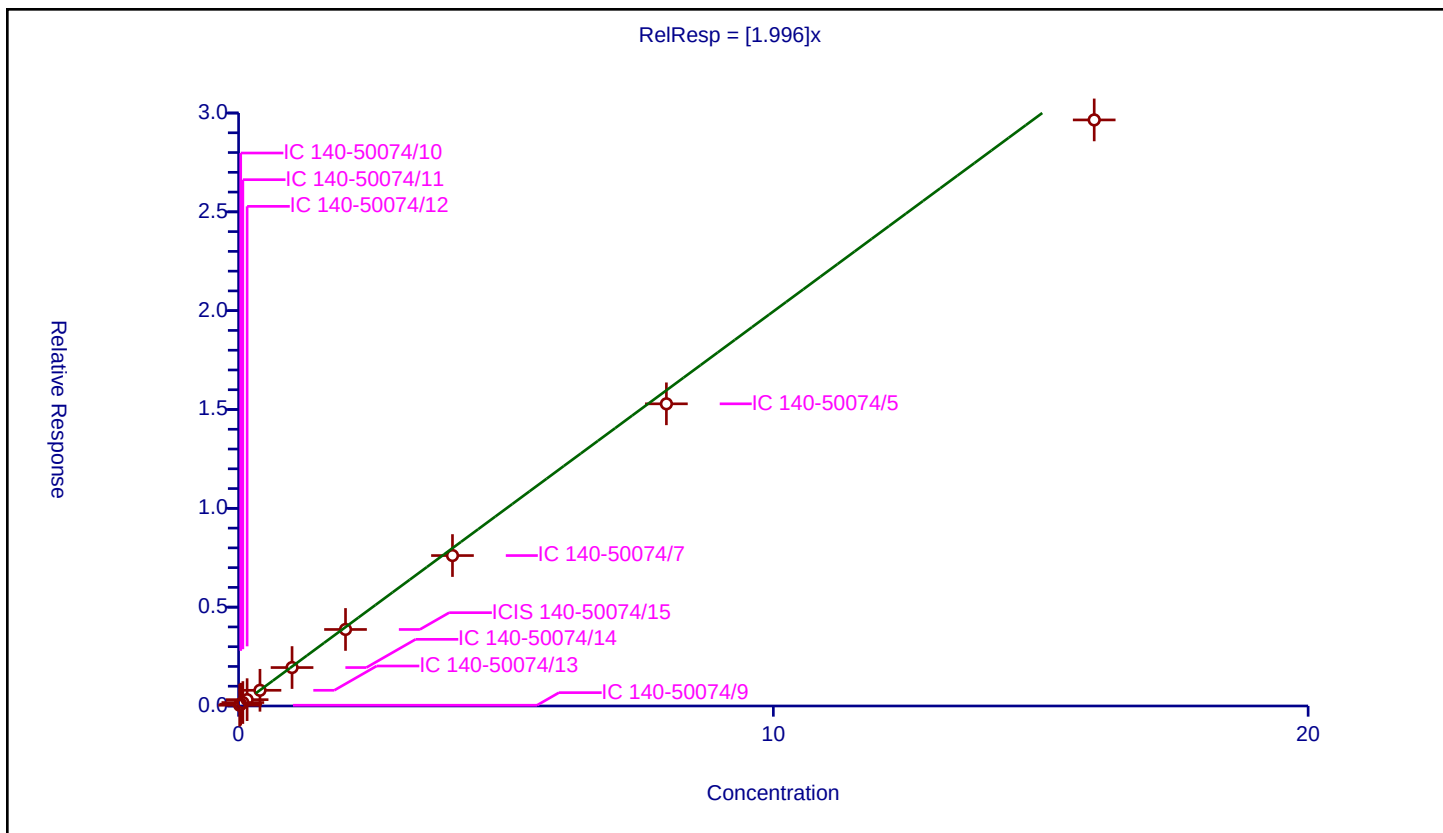
Curve Coefficients

Intercept: 0
 Slope: 1.996

Error Coefficients

Standard Error: 751000
 Relative Standard Error: 7.2
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.038527	4.8	282938.0	1.926358	Y
2	IC 140-50074/10	0.04	0.092731	4.8	264868.0	2.318287	Y
3	IC 140-50074/11	0.08	0.174608	4.8	257912.0	2.182605	Y
4	IC 140-50074/12	0.16	0.320172	4.8	249166.0	2.001076	Y
5	IC 140-50074/13	0.4	0.794483	4.8	251013.0	1.986208	Y
6	IC 140-50074/14	1.0	1.944659	4.8	270412.0	1.944659	Y
7	ICIS 140-50074/15	2.0	3.871934	4.8	293979.0	1.935967	Y
8	IC 140-50074/7	4.0	7.611502	4.8	334622.0	1.902875	Y
9	IC 140-50074/5	8.0	15.287305	4.8	351908.0	1.910913	Y
10	IC 140-50074/3	16.0	29.651134	4.8	301388.0	1.853196	Y



Calibration

/ Vinyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

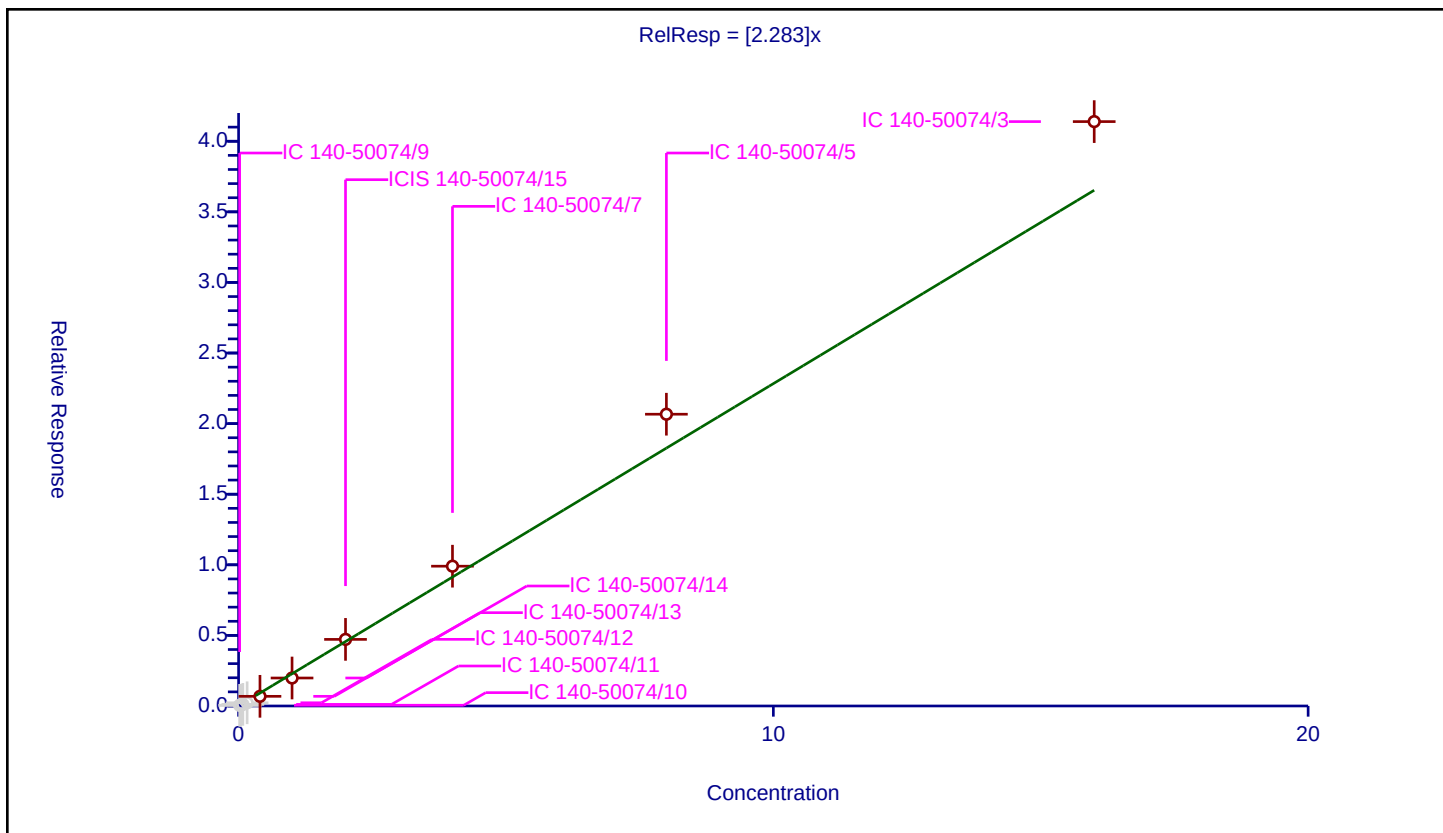
Curve Coefficients

Intercept: 0
 Slope: 2.283

Error Coefficients

Standard Error: 1390000
 Relative Standard Error: 15.7
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.047196	4.8	282938.0	2.35981	N
2	IC 140-50074/10	0.04	0.053896	4.8	264868.0	1.347388	N
3	IC 140-50074/11	0.08	0.114309	4.8	257912.0	1.428859	N
4	IC 140-50074/12	0.16	0.228339	4.8	249166.0	1.427121	N
5	IC 140-50074/13	0.4	0.684854	4.8	251013.0	1.712134	Y
6	IC 140-50074/14	1.0	1.982237	4.8	270412.0	1.982237	Y
7	ICIS 140-50074/15	2.0	4.717398	4.8	293979.0	2.358699	Y
8	IC 140-50074/7	4.0	9.90135	4.8	334622.0	2.475338	Y
9	IC 140-50074/5	8.0	20.665815	4.8	351908.0	2.583227	Y
10	IC 140-50074/3	16.0	41.392156	4.8	301388.0	2.58701	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

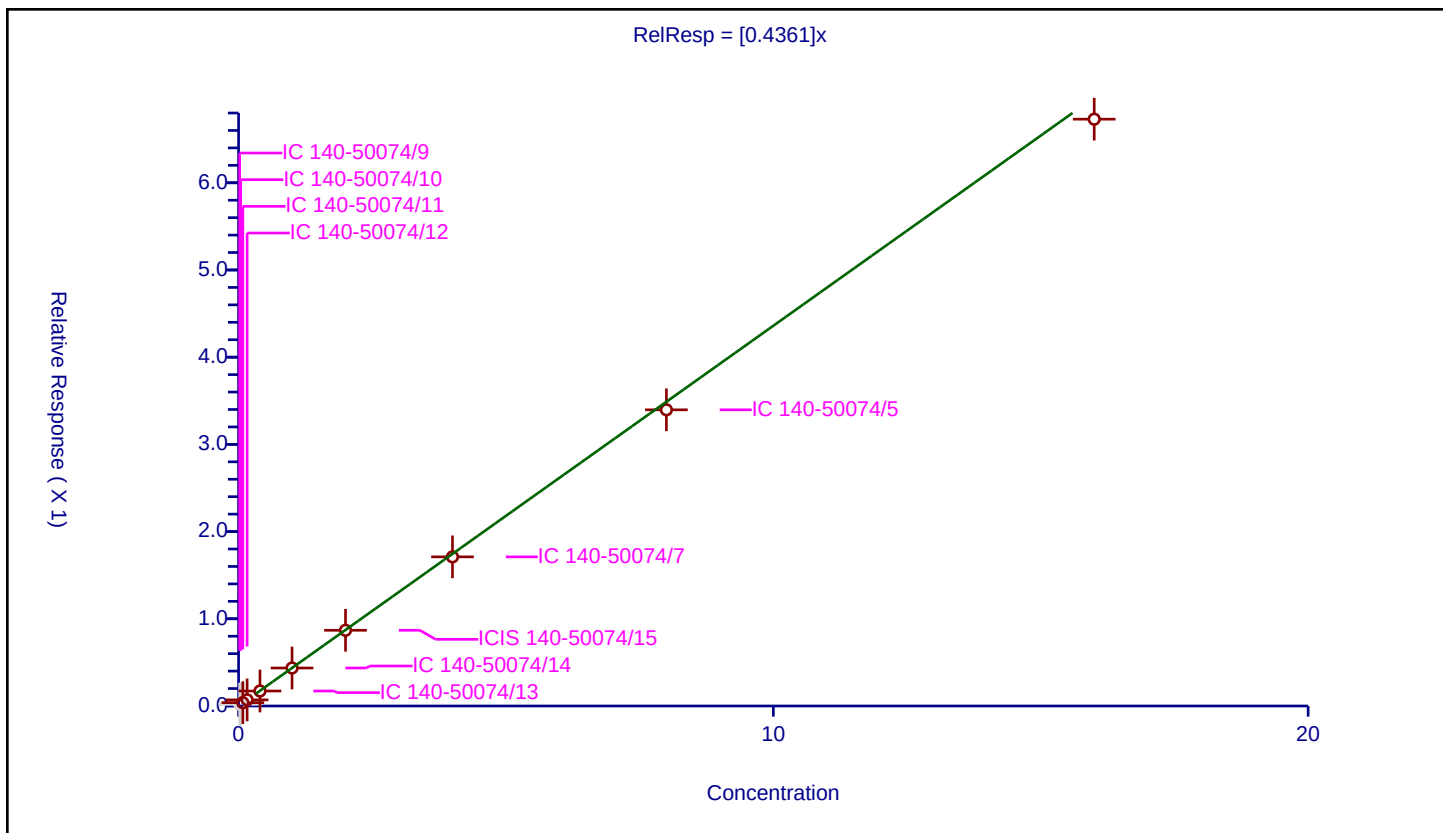
Curve Coefficients

Intercept: 0
 Slope: 0.4361

Error Coefficients

Standard Error: 192000
 Relative Standard Error: 4.1
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.021749	4.8	282938.0	1.087447	N
2	IC 140-50074/10	0.04	0.021022	4.8	264868.0	0.525545	N
3	IC 140-50074/11	0.08	0.038227	4.8	257912.0	0.477837	Y
4	IC 140-50074/12	0.16	0.070199	4.8	249166.0	0.438744	Y
5	IC 140-50074/13	0.4	0.171778	4.8	251013.0	0.429444	Y
6	IC 140-50074/14	1.0	0.435726	4.8	270412.0	0.435726	Y
7	ICIS 140-50074/15	2.0	0.868029	4.8	293979.0	0.434015	Y
8	IC 140-50074/7	4.0	1.710128	4.8	334622.0	0.427532	Y
9	IC 140-50074/5	8.0	3.396301	4.8	351908.0	0.424538	Y
10	IC 140-50074/3	16.0	6.729218	4.8	301388.0	0.420576	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

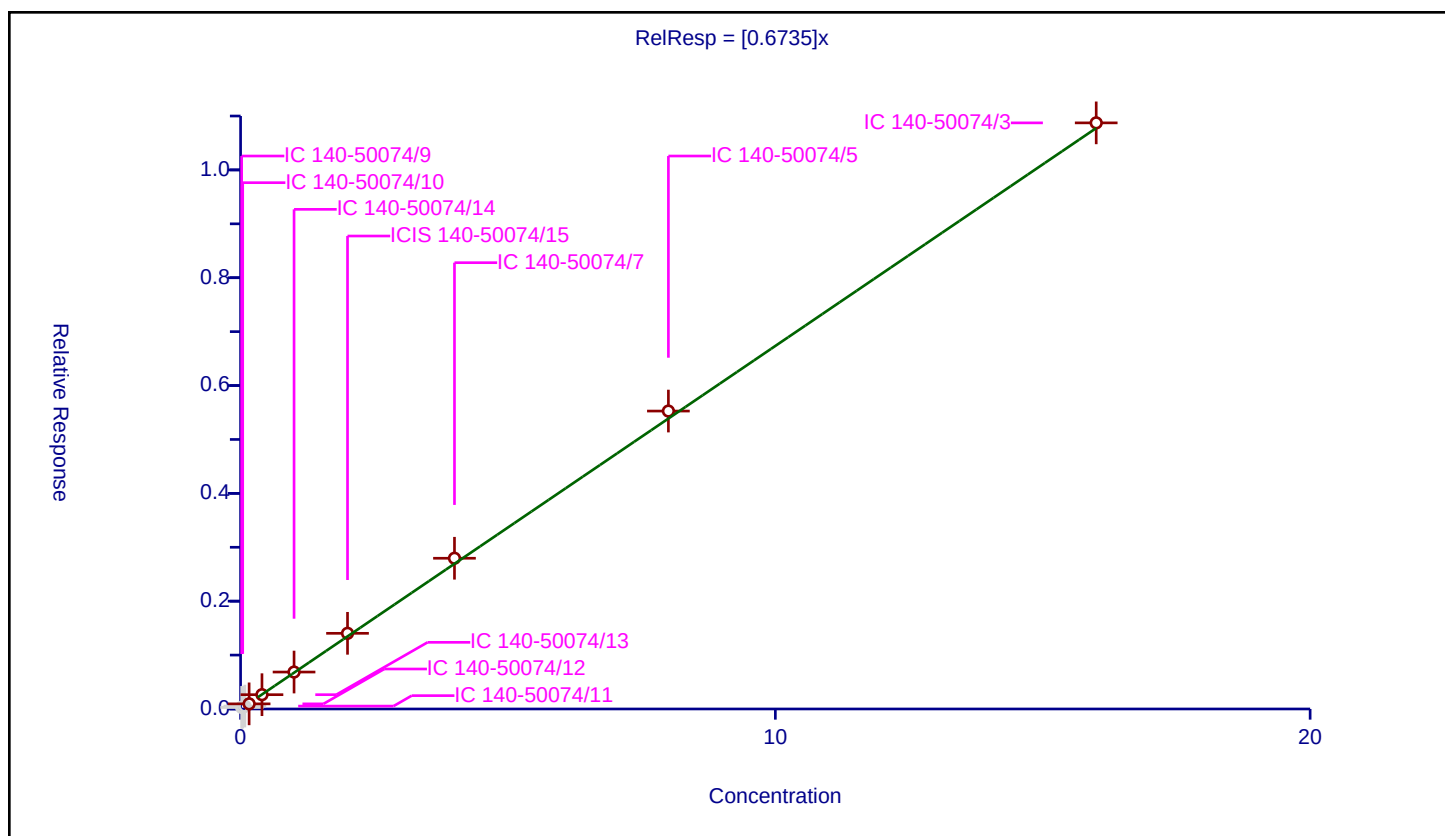
Curve Coefficients

Intercept: 0
Slope: 0.6735

Error Coefficients

Standard Error: 336000
Relative Standard Error: 5.5
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.02979	4.8	282938.0	1.489514	N
2	IC 140-50074/10	0.04	0.032874	4.8	264868.0	0.821843	N
3	IC 140-50074/11	0.08	0.053767	4.8	257912.0	0.67209	N
4	IC 140-50074/12	0.16	0.09505	4.8	249166.0	0.594062	Y
5	IC 140-50074/13	0.4	0.265535	4.8	251013.0	0.663838	Y
6	IC 140-50074/14	1.0	0.68523	4.8	270412.0	0.68523	Y
7	ICIS 140-50074/15	2.0	1.403708	4.8	293979.0	0.701854	Y
8	IC 140-50074/7	4.0	2.79601	4.8	334622.0	0.699002	Y
9	IC 140-50074/5	8.0	5.526831	4.8	351908.0	0.690854	Y
10	IC 140-50074/3	16.0	10.872767	4.8	301388.0	0.679548	Y



Calibration

/ cis-1,2-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

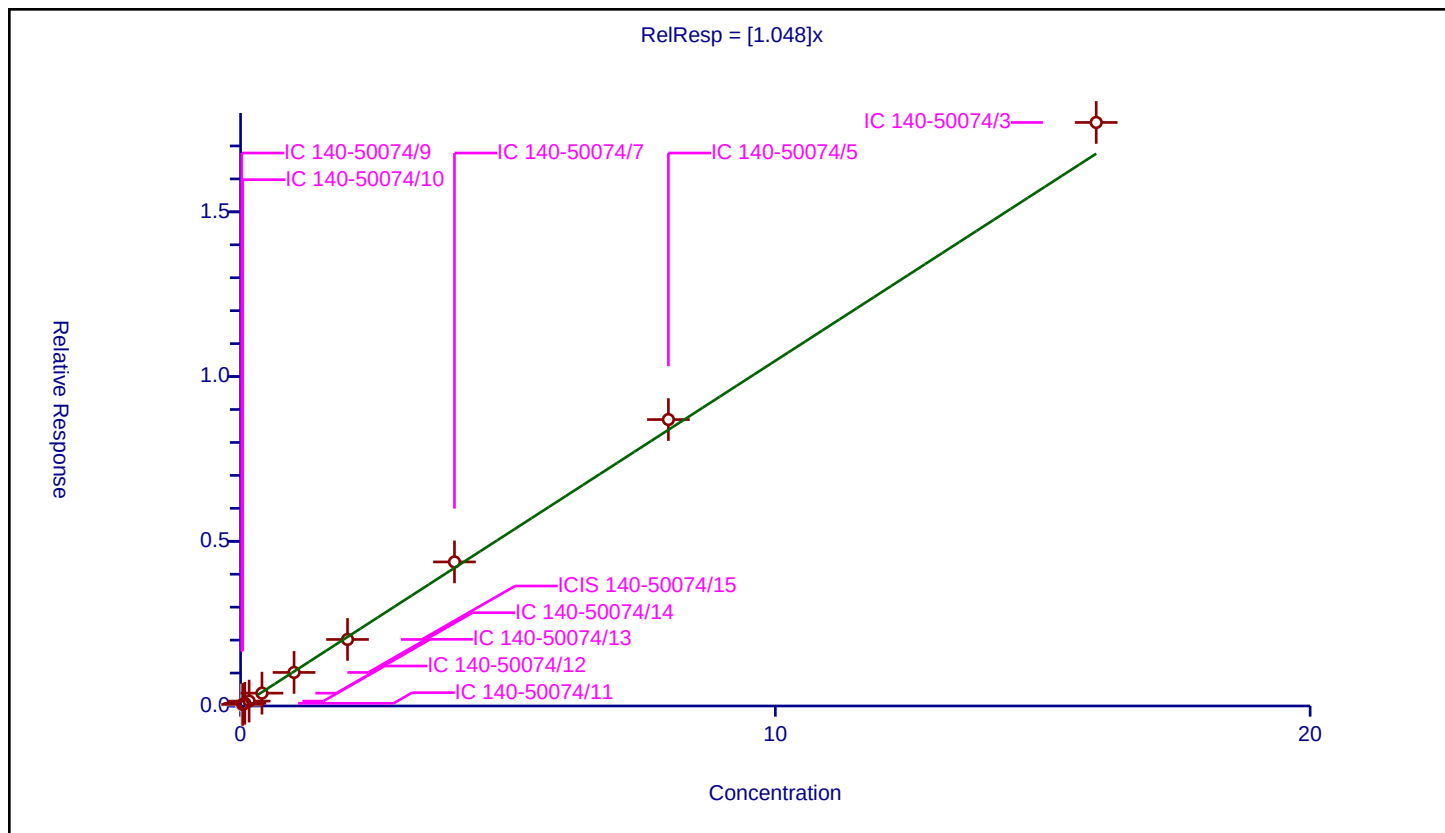
Curve Coefficients

Intercept: 0
 Slope: 1.048

Error Coefficients

Standard Error: 468000
 Relative Standard Error: 7.9
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.029824	4.8	282938.0	1.49121	N
2	IC 140-50074/10	0.04	0.048042	4.8	264868.0	1.201051	Y
3	IC 140-50074/11	0.08	0.081125	4.8	257912.0	1.014067	Y
4	IC 140-50074/12	0.16	0.148181	4.8	249166.0	0.92613	Y
5	IC 140-50074/13	0.4	0.38943	4.8	251013.0	0.973575	Y
6	IC 140-50074/14	1.0	1.019067	4.8	270412.0	1.019067	Y
7	ICIS 140-50074/15	2.0	2.019508	4.8	293979.0	1.009754	Y
8	IC 140-50074/7	4.0	4.37302	4.8	334622.0	1.093255	Y
9	IC 140-50074/5	8.0	8.694882	4.8	351908.0	1.08686	Y
10	IC 140-50074/3	16.0	17.71382	4.8	301388.0	1.107114	Y



Calibration

/ Ethyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

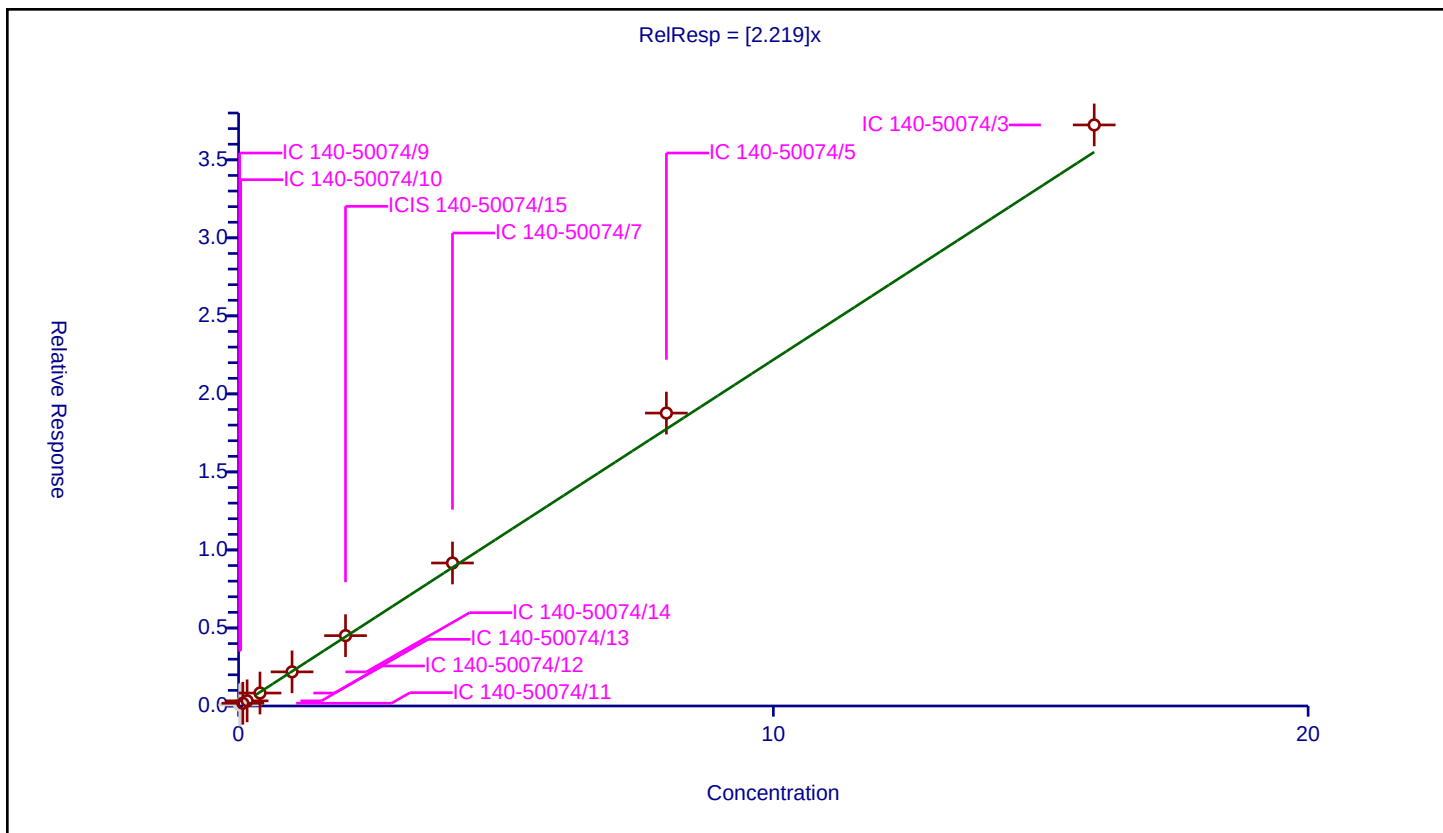
Curve Coefficients

Intercept: 0
 Slope: 2.219

Error Coefficients

Standard Error: 1060000
 Relative Standard Error: 4.8
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.063533	4.8	282938.0	3.176668	N
2	IC 140-50074/10	0.04	0.118592	4.8	264868.0	2.964798	N
3	IC 140-50074/11	0.08	0.176451	4.8	257912.0	2.205636	Y
4	IC 140-50074/12	0.16	0.330016	4.8	249166.0	2.062601	Y
5	IC 140-50074/13	0.4	0.830376	4.8	251013.0	2.07594	Y
6	IC 140-50074/14	1.0	2.186672	4.8	270412.0	2.186672	Y
7	ICIS 140-50074/15	2.0	4.508502	4.8	293979.0	2.254251	Y
8	IC 140-50074/7	4.0	9.163739	4.8	334622.0	2.290935	Y
9	IC 140-50074/5	8.0	18.77142	4.8	351908.0	2.346427	Y
10	IC 140-50074/3	16.0	37.236376	4.8	301388.0	2.327273	Y



Calibration

/ Chloroform

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

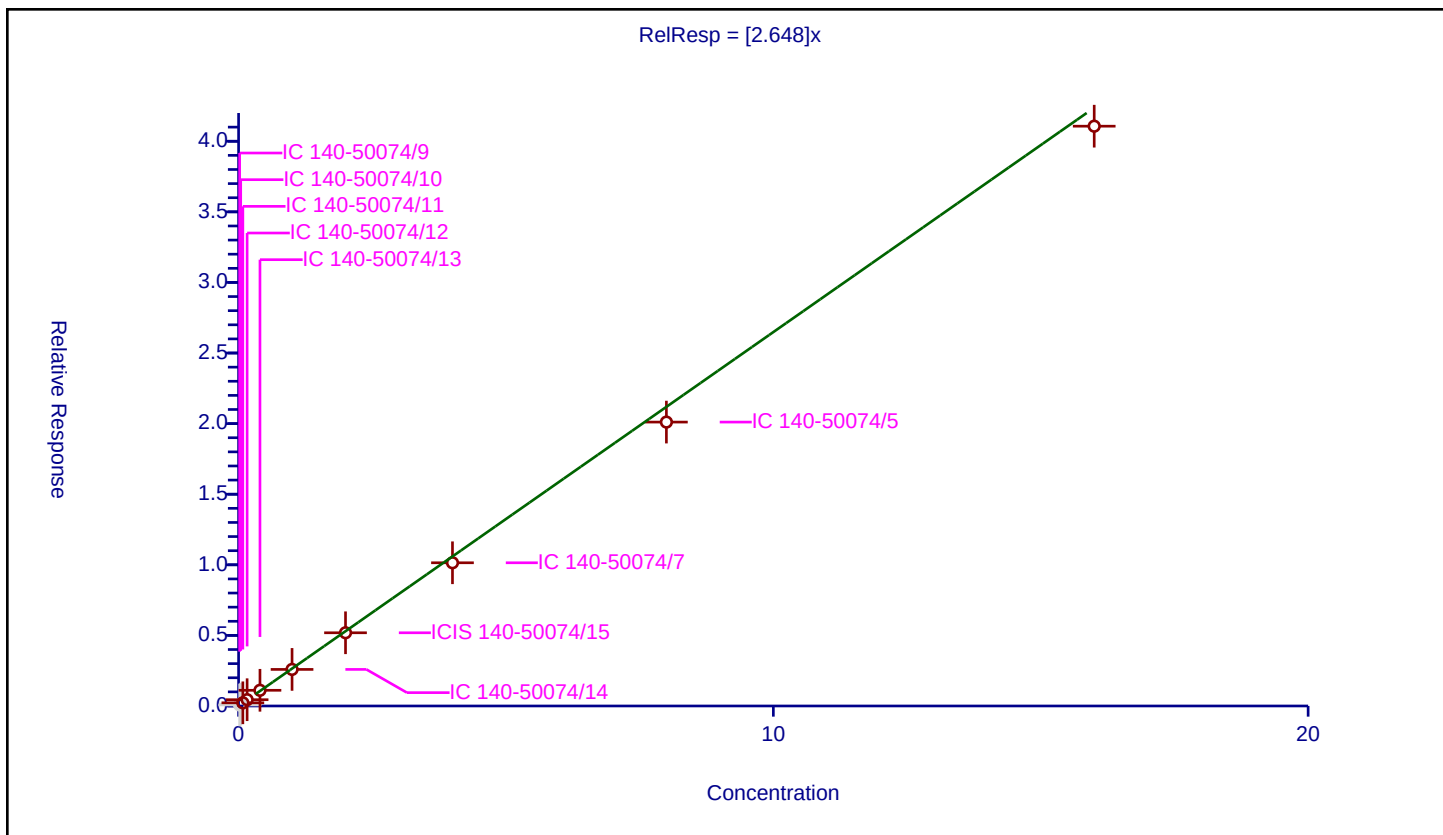
Curve Coefficients

Intercept: 0
 Slope: 2.648

Error Coefficients

Standard Error: 1160000
 Relative Standard Error: 4.8
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.072881	4.8	282938.0	3.644049	N
2	IC 140-50074/10	0.04	0.131042	4.8	264868.0	3.276047	N
3	IC 140-50074/11	0.08	0.226254	4.8	257912.0	2.828174	Y
4	IC 140-50074/12	0.16	0.445101	4.8	249166.0	2.78188	Y
5	IC 140-50074/13	0.4	1.111152	4.8	251013.0	2.77788	Y
6	IC 140-50074/14	1.0	2.590145	4.8	270412.0	2.590145	Y
7	ICIS 140-50074/15	2.0	5.185758	4.8	293979.0	2.592879	Y
8	IC 140-50074/7	4.0	10.143371	4.8	334622.0	2.535843	Y
9	IC 140-50074/5	8.0	20.108692	4.8	351908.0	2.513587	Y
10	IC 140-50074/3	16.0	41.066622	4.8	301388.0	2.566664	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

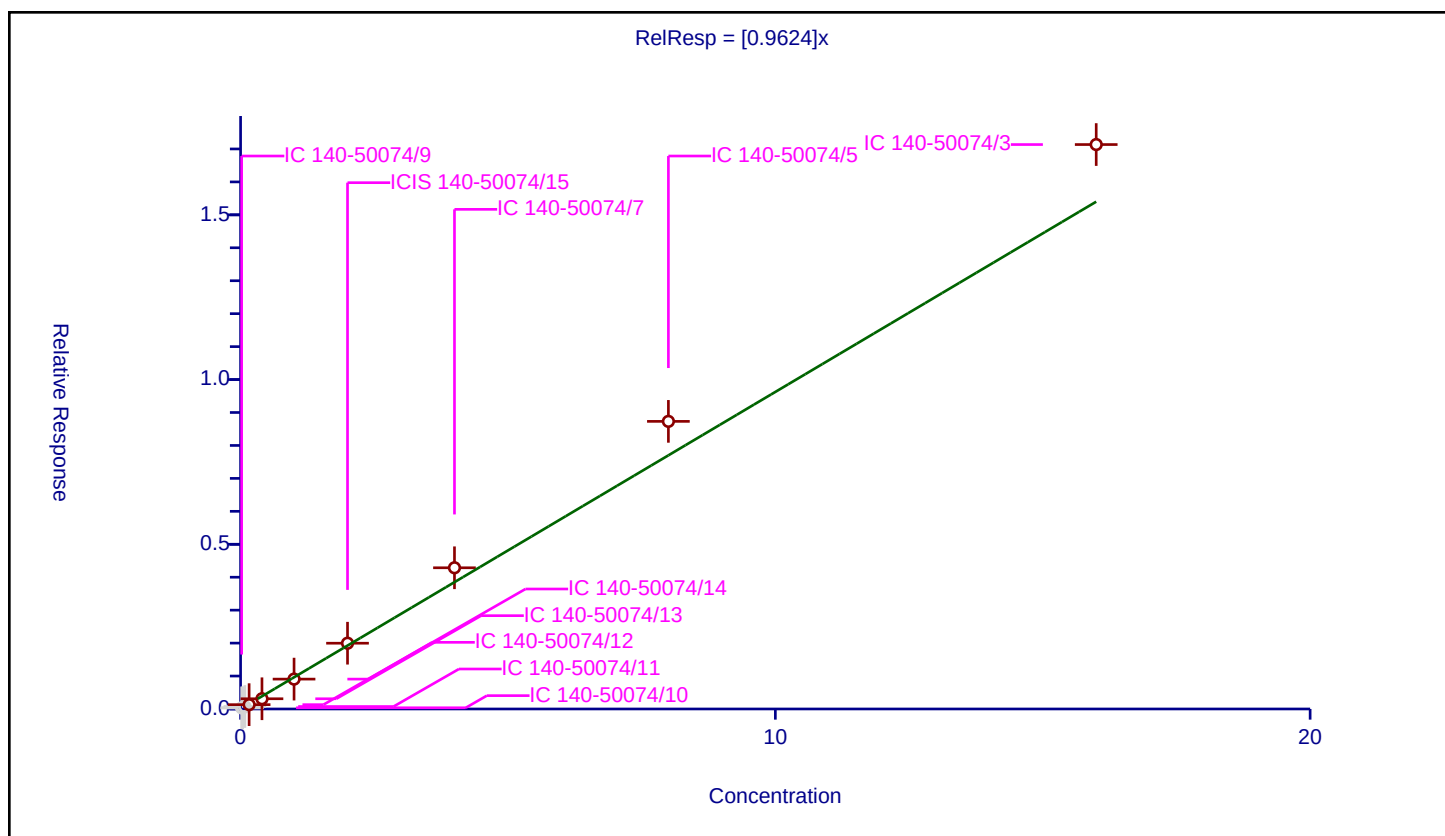
Curve Coefficients

Intercept: 0
Slope: 0.9624

Error Coefficients

Standard Error: 528000
Relative Standard Error: 13.4
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.033828	4.8	282938.0	1.691395	N
2	IC 140-50074/10	0.04	0.037114	4.8	264868.0	0.927858	N
3	IC 140-50074/11	0.08	0.075114	4.8	257912.0	0.938925	N
4	IC 140-50074/12	0.16	0.131421	4.8	249166.0	0.82138	Y
5	IC 140-50074/13	0.4	0.310684	4.8	251013.0	0.776709	Y
6	IC 140-50074/14	1.0	0.906847	4.8	270412.0	0.906847	Y
7	ICIS 140-50074/15	2.0	1.996632	4.8	293979.0	0.998316	Y
8	IC 140-50074/7	4.0	4.286451	4.8	334622.0	1.071613	Y
9	IC 140-50074/5	8.0	8.730918	4.8	351908.0	1.091365	Y
10	IC 140-50074/3	16.0	17.134166	4.8	301388.0	1.070885	Y



Calibration

/ 1,1,1-Trichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

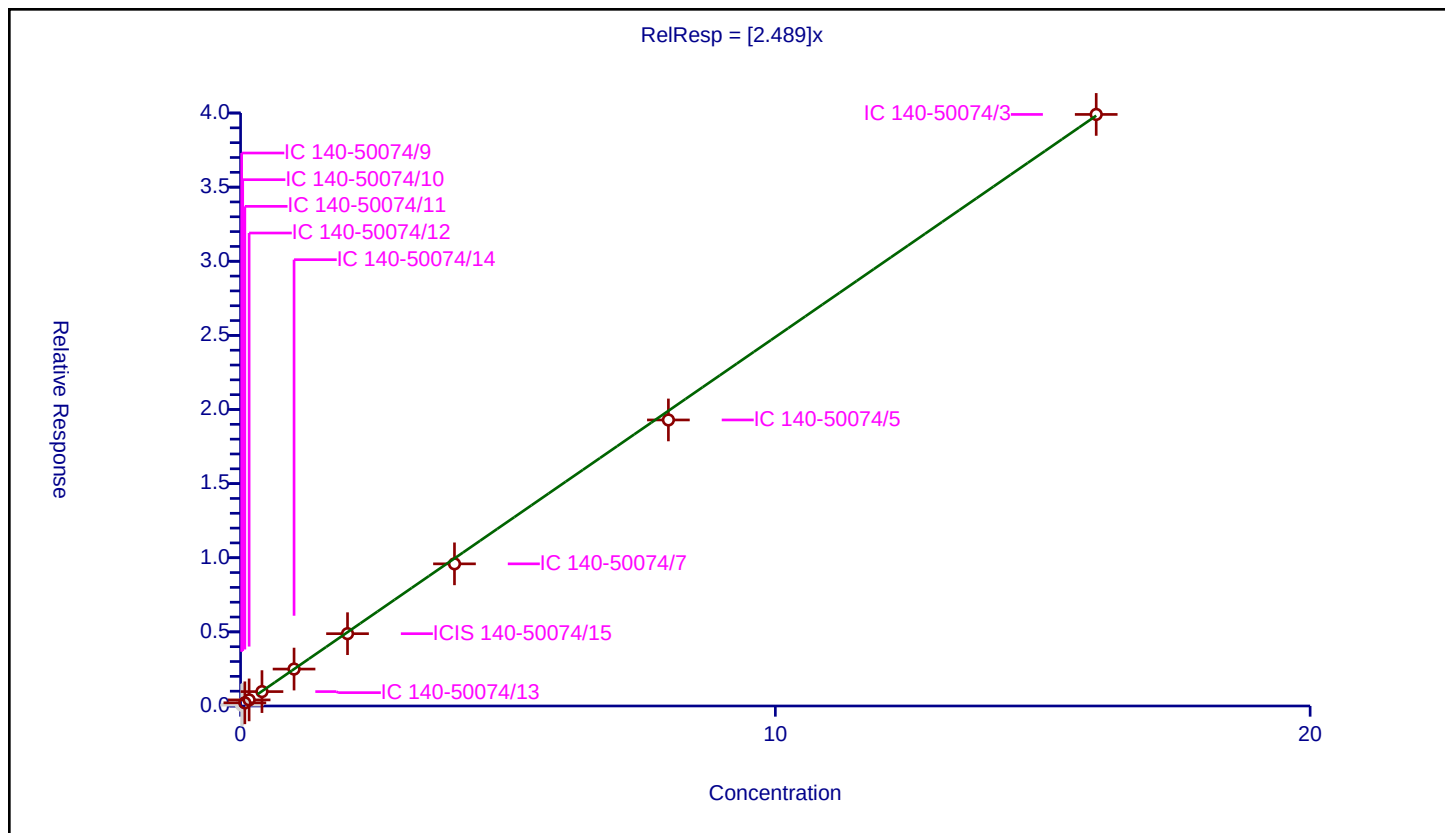
Curve Coefficients

Intercept: 0
 Slope: 2.489

Error Coefficients

Standard Error: 1120000
 Relative Standard Error: 3.8
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.056697	4.8	282938.0	2.834826	N
2	IC 140-50074/10	0.04	0.114188	4.8	264868.0	2.854705	N
3	IC 140-50074/11	0.08	0.214399	4.8	257912.0	2.679984	Y
4	IC 140-50074/12	0.16	0.411234	4.8	249166.0	2.570214	Y
5	IC 140-50074/13	0.4	0.970659	4.8	251013.0	2.426647	Y
6	IC 140-50074/14	1.0	2.491363	4.8	270412.0	2.491363	Y
7	ICIS 140-50074/15	2.0	4.878357	4.8	293979.0	2.439178	Y
8	IC 140-50074/7	4.0	9.588295	4.8	334622.0	2.397074	Y
9	IC 140-50074/5	8.0	19.296161	4.8	351908.0	2.41202	Y
10	IC 140-50074/3	16.0	39.90518	4.8	301388.0	2.494074	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

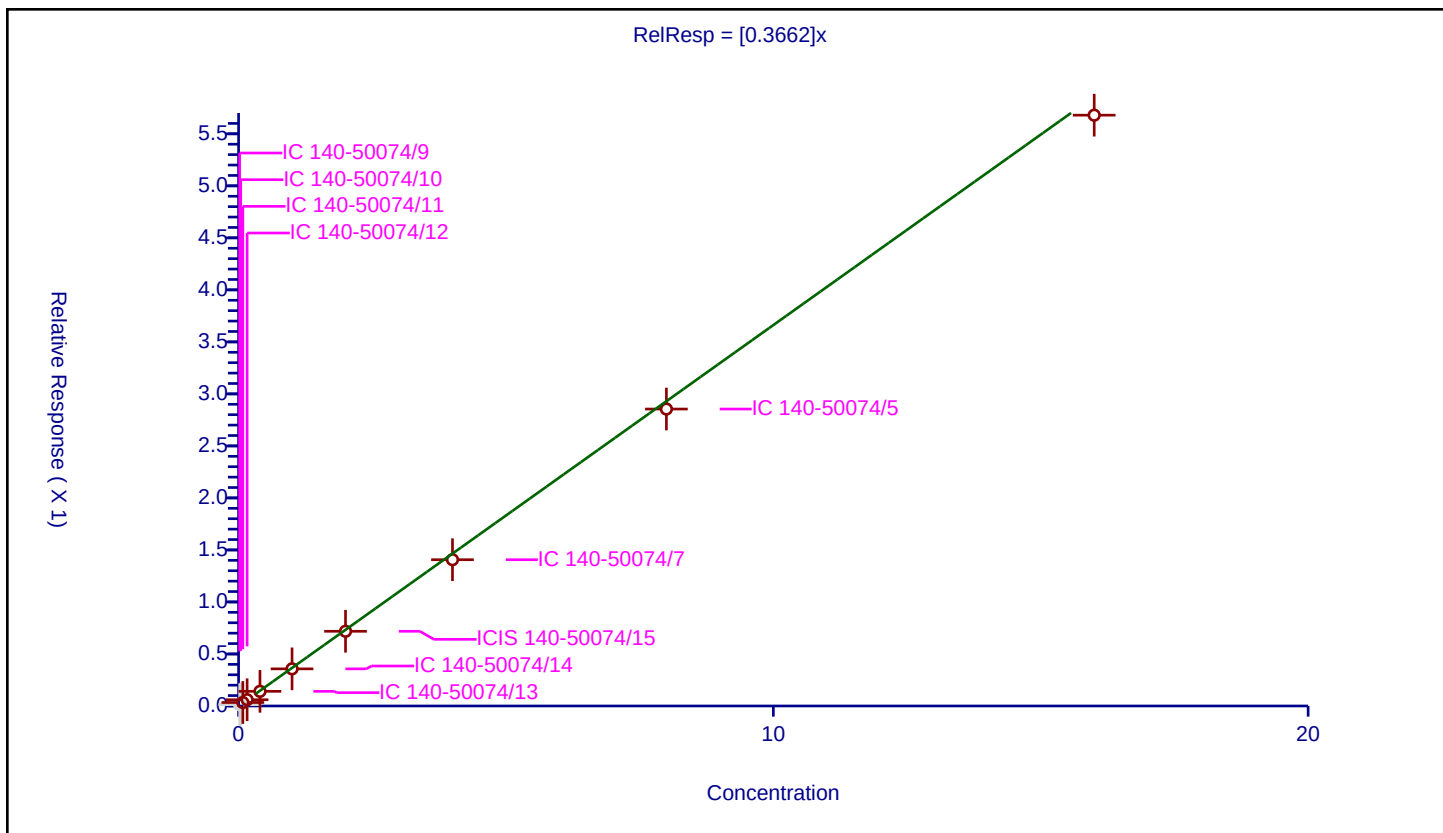
Curve Coefficients

Intercept: 0
 Slope: 0.3662

Error Coefficients

Standard Error: 717000
 Relative Standard Error: 6.5
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.012804	4.8	1197345.0	0.640216	N
2	IC 140-50074/10	0.04	0.018879	4.8	1120504.0	0.471966	N
3	IC 140-50074/11	0.08	0.033745	4.8	1093288.0	0.42181	Y
4	IC 140-50074/12	0.16	0.060127	4.8	1074850.0	0.375792	Y
5	IC 140-50074/13	0.4	0.140971	4.8	1107018.0	0.352428	Y
6	IC 140-50074/14	1.0	0.356874	4.8	1193215.0	0.356874	Y
7	ICIS 140-50074/15	2.0	0.718214	4.8	1275417.0	0.359107	Y
8	IC 140-50074/7	4.0	1.406202	4.8	1448713.0	0.35155	Y
9	IC 140-50074/5	8.0	2.854518	4.8	1528336.0	0.356815	Y
10	IC 140-50074/3	16.0	5.679244	4.8	1347514.0	0.354953	Y



Calibration

/ n-Butanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

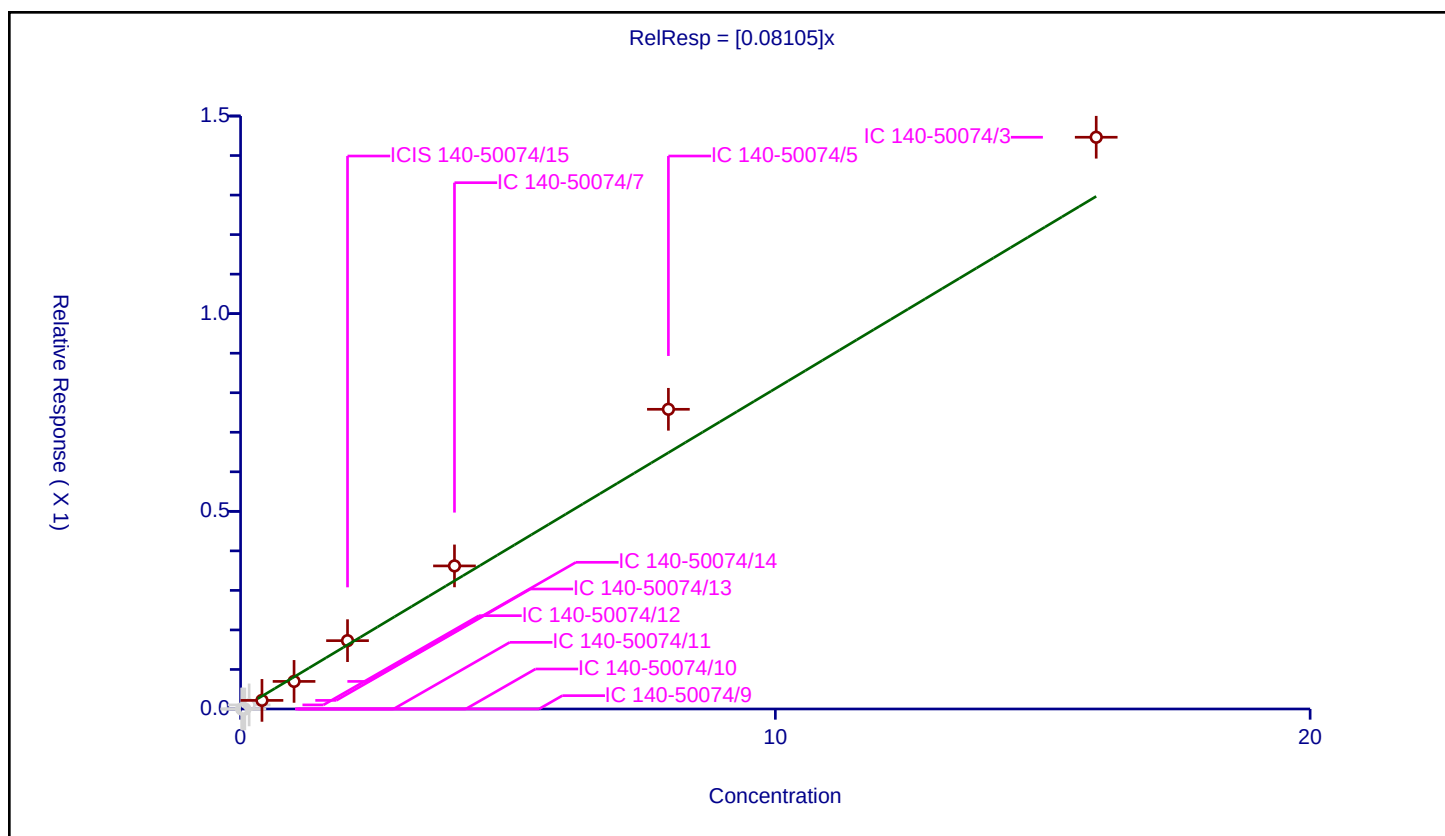
Curve Coefficients

Intercept: 0
 Slope: 0.08105

Error Coefficients

Standard Error: 218000
 Relative Standard Error: 19.3
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.0	4.8	1197345.0	0.0	N
2	IC 140-50074/10	0.04	0.0	4.8	1120504.0	0.0	N
3	IC 140-50074/11	0.08	0.0	4.8	1093288.0	0.0	N
4	IC 140-50074/12	0.16	0.010352	4.8	1074850.0	0.064697	N
5	IC 140-50074/13	0.4	0.021775	4.8	1107018.0	0.054438	Y
6	IC 140-50074/14	1.0	0.069791	4.8	1193215.0	0.069791	Y
7	ICIS 140-50074/15	2.0	0.172826	4.8	1275417.0	0.086413	Y
8	IC 140-50074/7	4.0	0.361953	4.8	1448713.0	0.090488	Y
9	IC 140-50074/5	8.0	0.758105	4.8	1528336.0	0.094763	Y
10	IC 140-50074/3	16.0	1.446286	4.8	1347514.0	0.090393	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

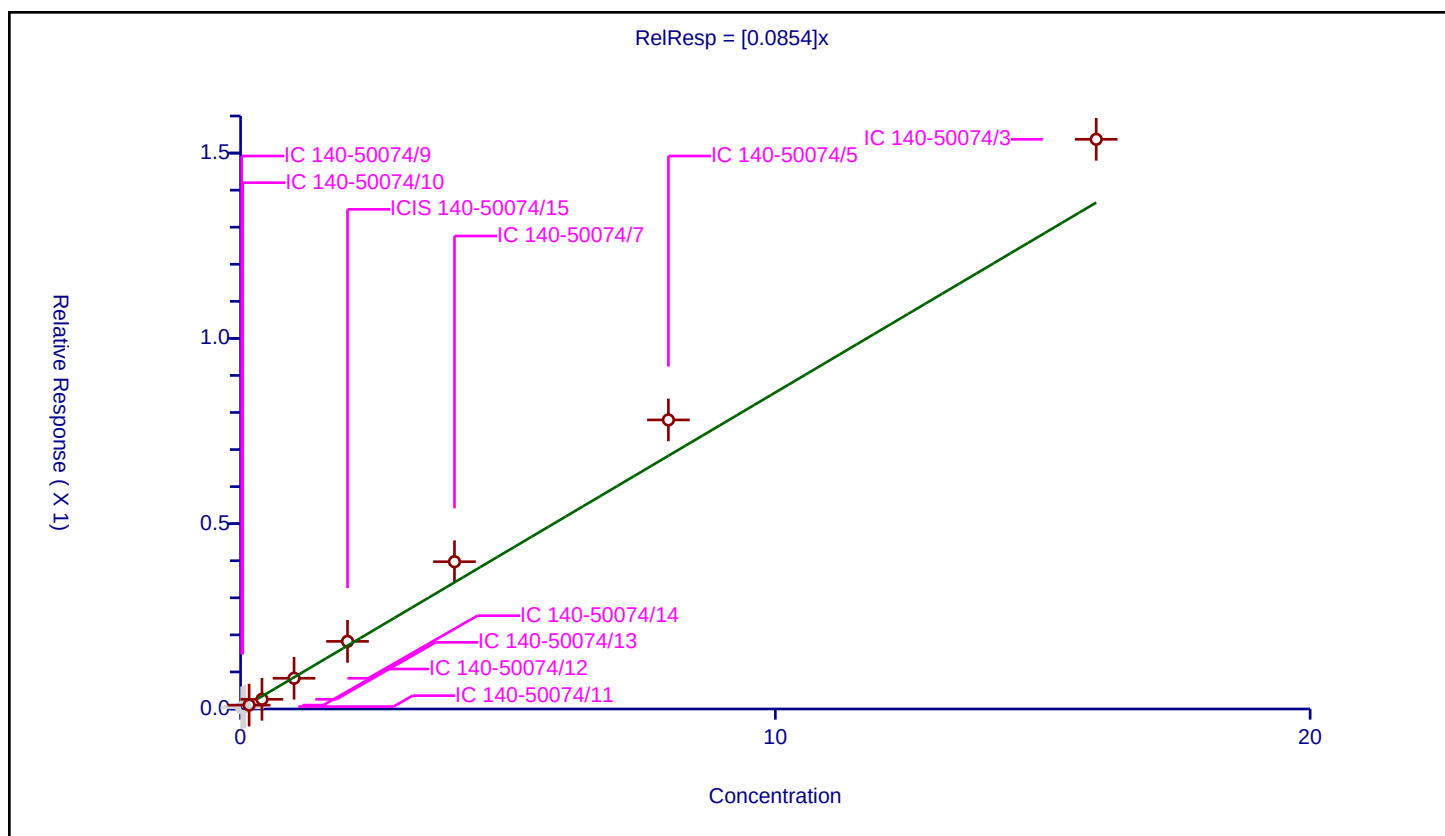
Curve Coefficients

Intercept: 0
Slope: 0.0854

Error Coefficients

Standard Error: 210000
Relative Standard Error: 17.2
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.003219	4.8	1197345.0	0.160956	N
2	IC 140-50074/10	0.04	0.003748	4.8	1120504.0	0.093708	N
3	IC 140-50074/11	0.08	0.006498	4.8	1093288.0	0.081223	N
4	IC 140-50074/12	0.16	0.010468	4.8	1074850.0	0.065423	Y
5	IC 140-50074/13	0.4	0.02612	4.8	1107018.0	0.0653	Y
6	IC 140-50074/14	1.0	0.082945	4.8	1193215.0	0.082945	Y
7	ICIS 140-50074/15	2.0	0.182457	4.8	1275417.0	0.091229	Y
8	IC 140-50074/7	4.0	0.397359	4.8	1448713.0	0.09934	Y
9	IC 140-50074/5	8.0	0.780023	4.8	1528336.0	0.097503	Y
10	IC 140-50074/3	16.0	1.537177	4.8	1347514.0	0.096074	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

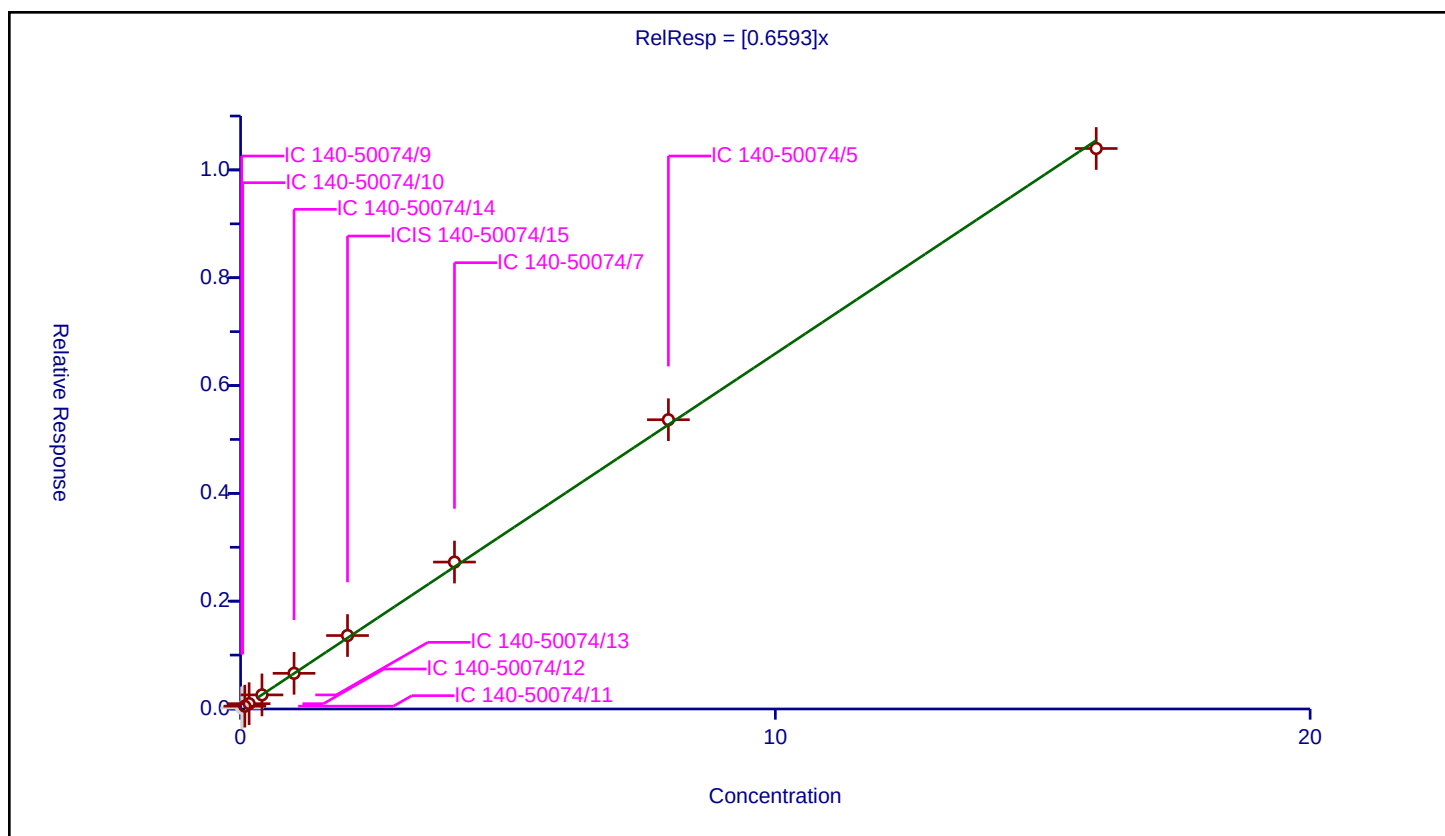
Curve Coefficients

Intercept: 0
Slope: 0.6593

Error Coefficients

Standard Error: 1320000
Relative Standard Error: 3.2
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.018216	4.8	1197345.0	0.910815	N
2	IC 140-50074/10	0.04	0.030119	4.8	1120504.0	0.752983	N
3	IC 140-50074/11	0.08	0.05269	4.8	1093288.0	0.658619	Y
4	IC 140-50074/12	0.16	0.098608	4.8	1074850.0	0.6163	Y
5	IC 140-50074/13	0.4	0.261585	4.8	1107018.0	0.653962	Y
6	IC 140-50074/14	1.0	0.661754	4.8	1193215.0	0.661754	Y
7	ICIS 140-50074/15	2.0	1.362717	4.8	1275417.0	0.681358	Y
8	IC 140-50074/7	4.0	2.725608	4.8	1448713.0	0.681402	Y
9	IC 140-50074/5	8.0	5.366169	4.8	1528336.0	0.670771	Y
10	IC 140-50074/3	16.0	10.397693	4.8	1347514.0	0.649856	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

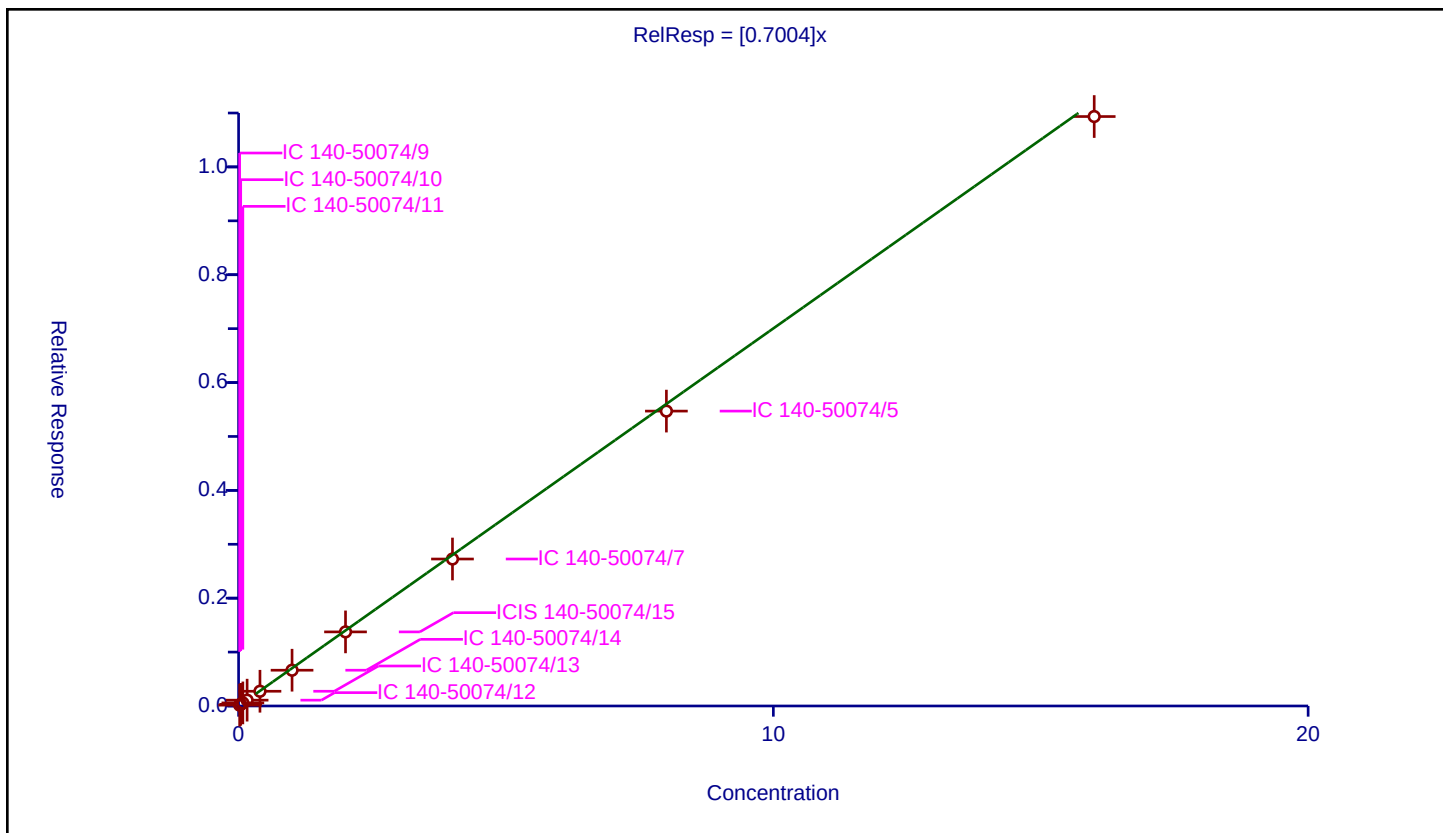
Curve Coefficients

Intercept: 0
 Slope: 0.7004

Error Coefficients

Standard Error: 1220000
 Relative Standard Error: 5.3
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.015494	4.8	1197345.0	0.774714	Y
2	IC 140-50074/10	0.04	0.030269	4.8	1120504.0	0.756731	Y
3	IC 140-50074/11	0.08	0.057119	4.8	1093288.0	0.713993	Y
4	IC 140-50074/12	0.16	0.108053	4.8	1074850.0	0.675331	Y
5	IC 140-50074/13	0.4	0.273457	4.8	1107018.0	0.683642	Y
6	IC 140-50074/14	1.0	0.663572	4.8	1193215.0	0.663572	Y
7	ICIS 140-50074/15	2.0	1.374613	4.8	1275417.0	0.687307	Y
8	IC 140-50074/7	4.0	2.72638	4.8	1448713.0	0.681595	Y
9	IC 140-50074/5	8.0	5.470345	4.8	1528336.0	0.683793	Y
10	IC 140-50074/3	16.0	10.934821	4.8	1347514.0	0.683426	Y



Calibration

/ 2,3-Dimethylpentane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

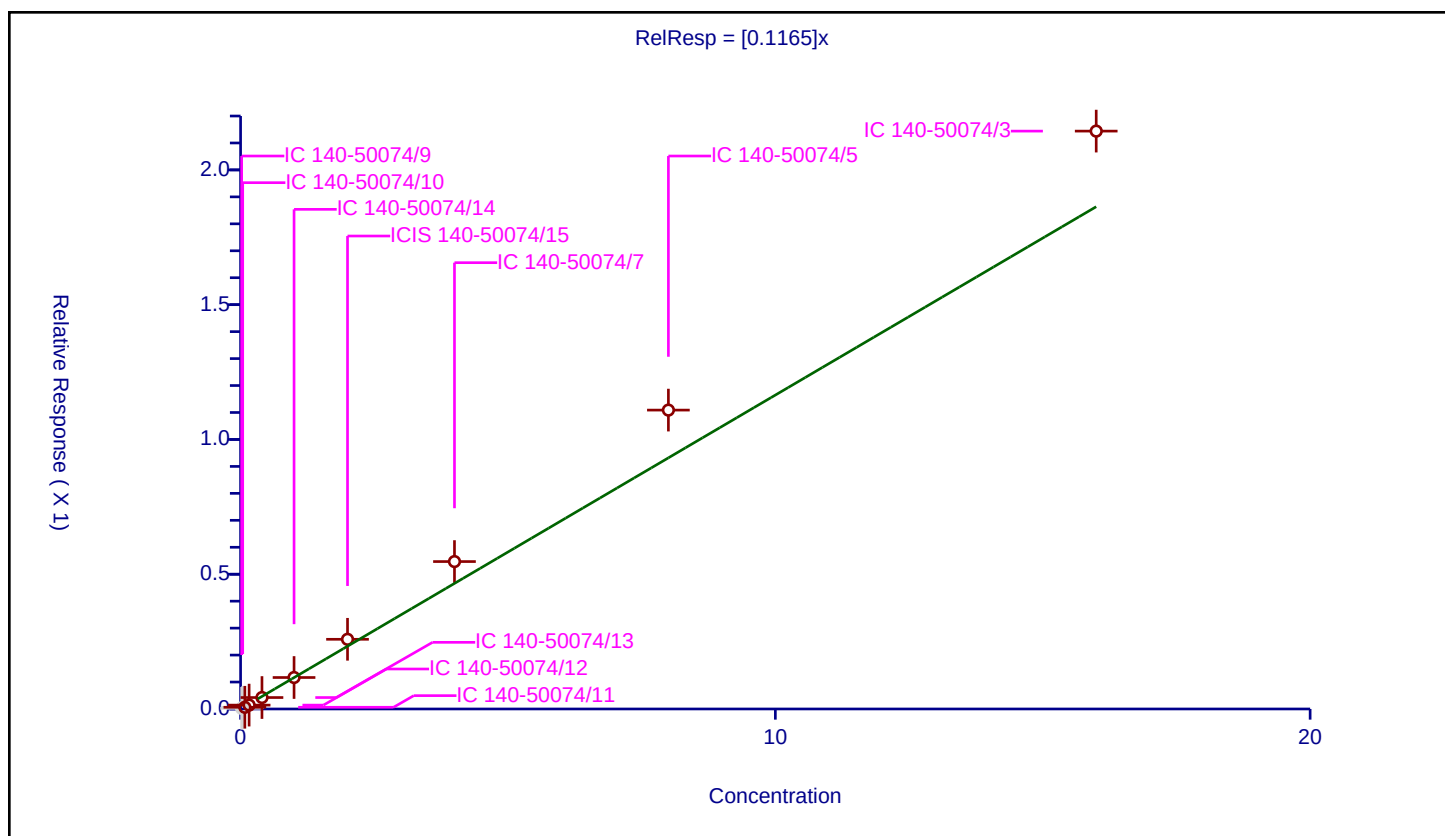
Curve Coefficients

Intercept: 0
Slope: 0.1165

Error Coefficients

Standard Error: 273000
Relative Standard Error: 19.2
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.002413	4.8	1197345.0	0.120667	N
2	IC 140-50074/10	0.04	0.006096	4.8	1120504.0	0.152396	N
3	IC 140-50074/11	0.08	0.006406	4.8	1093288.0	0.08007	Y
4	IC 140-50074/12	0.16	0.014393	4.8	1074850.0	0.089957	Y
5	IC 140-50074/13	0.4	0.042519	4.8	1107018.0	0.106296	Y
6	IC 140-50074/14	1.0	0.116812	4.8	1193215.0	0.116812	Y
7	ICIS 140-50074/15	2.0	0.258521	4.8	1275417.0	0.12926	Y
8	IC 140-50074/7	4.0	0.546974	4.8	1448713.0	0.136743	Y
9	IC 140-50074/5	8.0	1.108905	4.8	1528336.0	0.138613	Y
10	IC 140-50074/3	16.0	2.144005	4.8	1347514.0	0.134	Y



Calibration

/ Thiophene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

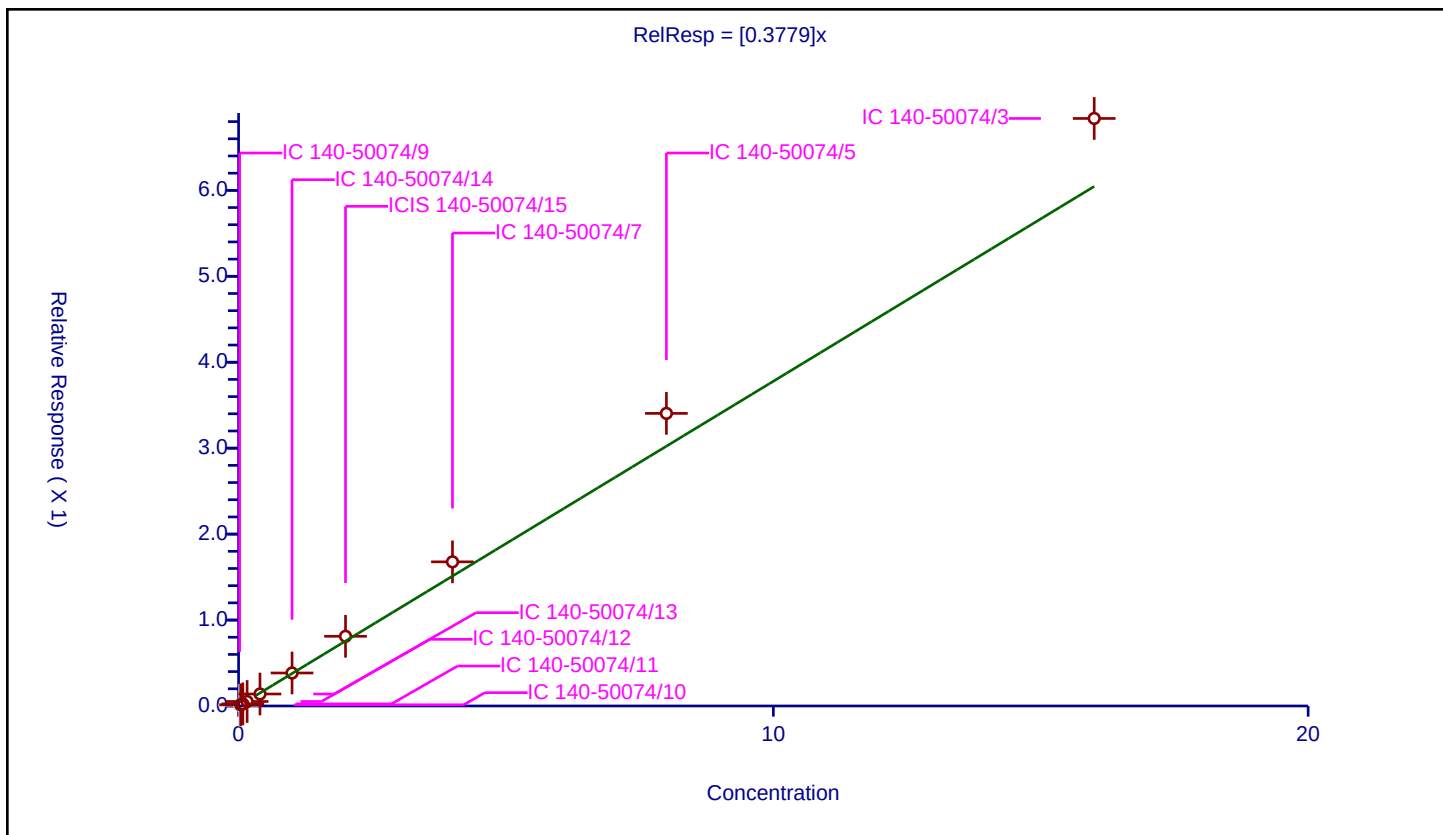
Curve Coefficients

Intercept: 0
 Slope: 0.3779

Error Coefficients

Standard Error: 804000
 Relative Standard Error: 11.8
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.009293	4.8	1197345.0	0.464628	N
2	IC 140-50074/10	0.04	0.014188	4.8	1120504.0	0.354698	Y
3	IC 140-50074/11	0.08	0.024714	4.8	1093288.0	0.308921	Y
4	IC 140-50074/12	0.16	0.05224	4.8	1074850.0	0.326501	Y
5	IC 140-50074/13	0.4	0.139549	4.8	1107018.0	0.348872	Y
6	IC 140-50074/14	1.0	0.384084	4.8	1193215.0	0.384084	Y
7	ICIS 140-50074/15	2.0	0.810897	4.8	1275417.0	0.405449	Y
8	IC 140-50074/7	4.0	1.677232	4.8	1448713.0	0.419308	Y
9	IC 140-50074/5	8.0	3.404889	4.8	1528336.0	0.425611	Y
10	IC 140-50074/3	16.0	6.836575	4.8	1347514.0	0.427286	Y



Calibration

/ Isooctane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

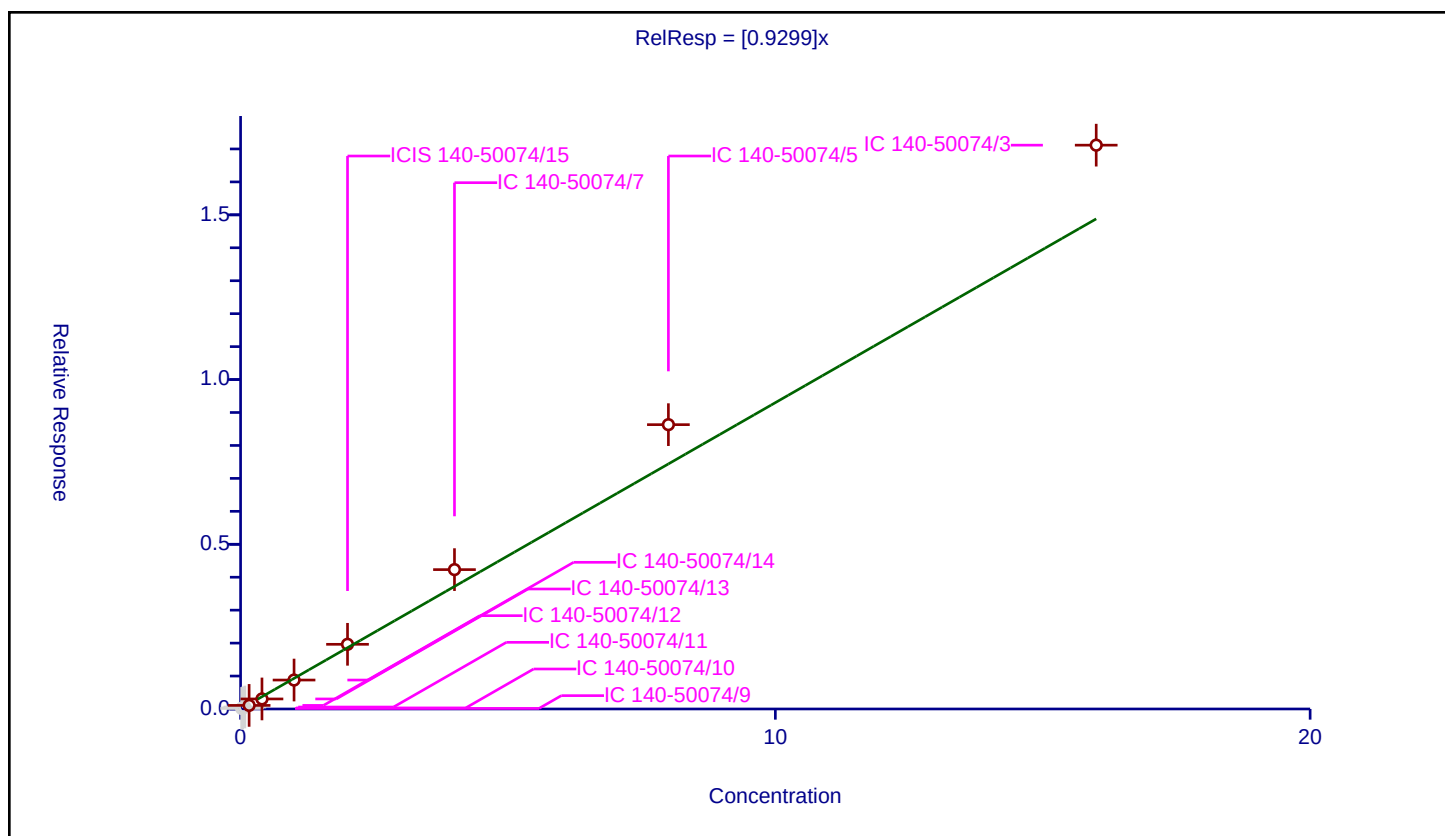
Curve Coefficients

Intercept: 0
 Slope: 0.9299

Error Coefficients

Standard Error: 2330000
 Relative Standard Error: 17.2
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.017058	4.8	1197345.0	0.852887	N
2	IC 140-50074/10	0.04	0.033105	4.8	1120504.0	0.827628	N
3	IC 140-50074/11	0.08	0.059244	4.8	1093288.0	0.740555	N
4	IC 140-50074/12	0.16	0.109013	4.8	1074850.0	0.681332	Y
5	IC 140-50074/13	0.4	0.304667	4.8	1107018.0	0.761668	Y
6	IC 140-50074/14	1.0	0.87833	4.8	1193215.0	0.87833	Y
7	ICIS 140-50074/15	2.0	1.963153	4.8	1275417.0	0.981576	Y
8	IC 140-50074/7	4.0	4.230526	4.8	1448713.0	1.057631	Y
9	IC 140-50074/5	8.0	8.631345	4.8	1528336.0	1.078918	Y
10	IC 140-50074/3	16.0	17.115212	4.8	1347514.0	1.069701	Y



Calibration

/ n-Heptane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

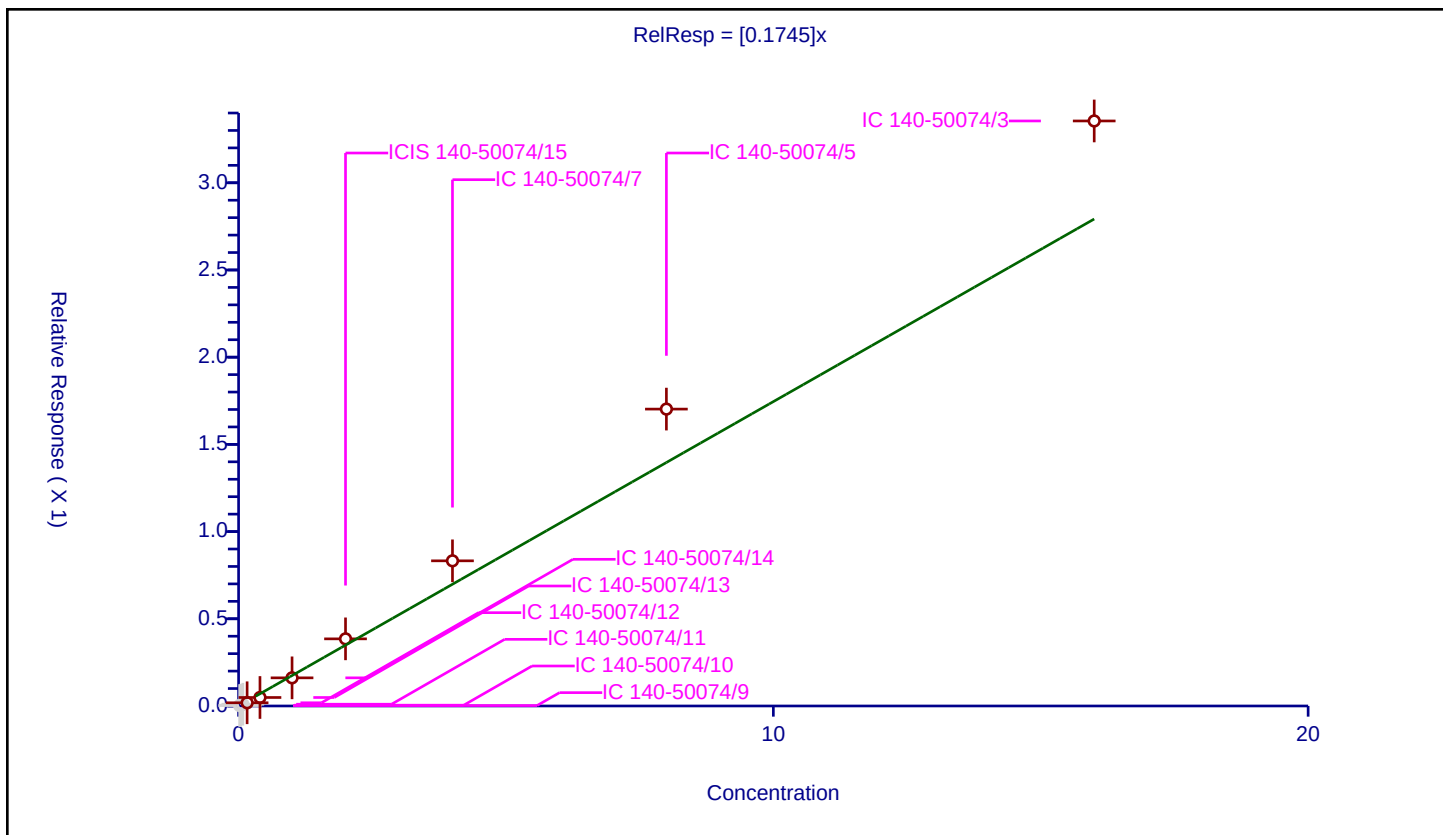
Curve Coefficients

Intercept: 0
 Slope: 0.1745

Error Coefficients

Standard Error: 458000
 Relative Standard Error: 24.1
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.942

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.002485	4.8	1197345.0	0.124275	N
2	IC 140-50074/10	0.04	0.004725	4.8	1120504.0	0.118125	N
3	IC 140-50074/11	0.08	0.010151	4.8	1093288.0	0.126883	N
4	IC 140-50074/12	0.16	0.018466	4.8	1074850.0	0.115411	Y
5	IC 140-50074/13	0.4	0.048706	4.8	1107018.0	0.121765	Y
6	IC 140-50074/14	1.0	0.161437	4.8	1193215.0	0.161437	Y
7	ICIS 140-50074/15	2.0	0.38494	4.8	1275417.0	0.19247	Y
8	IC 140-50074/7	4.0	0.83233	4.8	1448713.0	0.208083	Y
9	IC 140-50074/5	8.0	1.702344	4.8	1528336.0	0.212793	Y
10	IC 140-50074/3	16.0	3.354365	4.8	1347514.0	0.209648	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

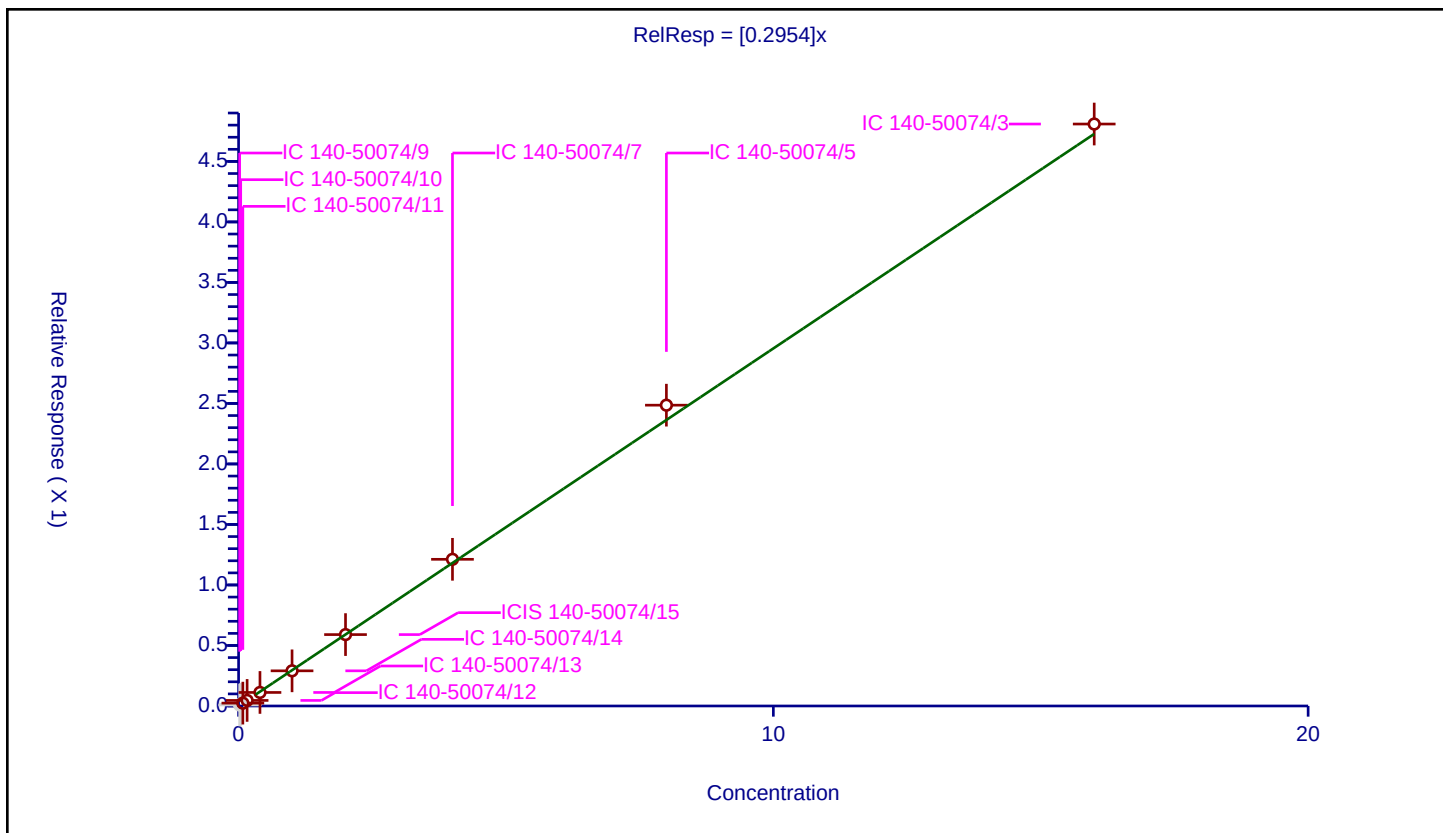
Curve Coefficients

Intercept: 0
 Slope: 0.2954

Error Coefficients

Standard Error: 611000
 Relative Standard Error: 3.3
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.008174	4.8	1197345.0	0.408704	N
2	IC 140-50074/10	0.04	0.013965	4.8	1120504.0	0.349129	N
3	IC 140-50074/11	0.08	0.02373	4.8	1093288.0	0.296628	Y
4	IC 140-50074/12	0.16	0.04597	4.8	1074850.0	0.287315	Y
5	IC 140-50074/13	0.4	0.111937	4.8	1107018.0	0.279844	Y
6	IC 140-50074/14	1.0	0.29049	4.8	1193215.0	0.29049	Y
7	ICIS 140-50074/15	2.0	0.589974	4.8	1275417.0	0.294987	Y
8	IC 140-50074/7	4.0	1.212016	4.8	1448713.0	0.303004	Y
9	IC 140-50074/5	8.0	2.485671	4.8	1528336.0	0.310709	Y
10	IC 140-50074/3	16.0	4.809091	4.8	1347514.0	0.300568	Y



Calibration

/ Trichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

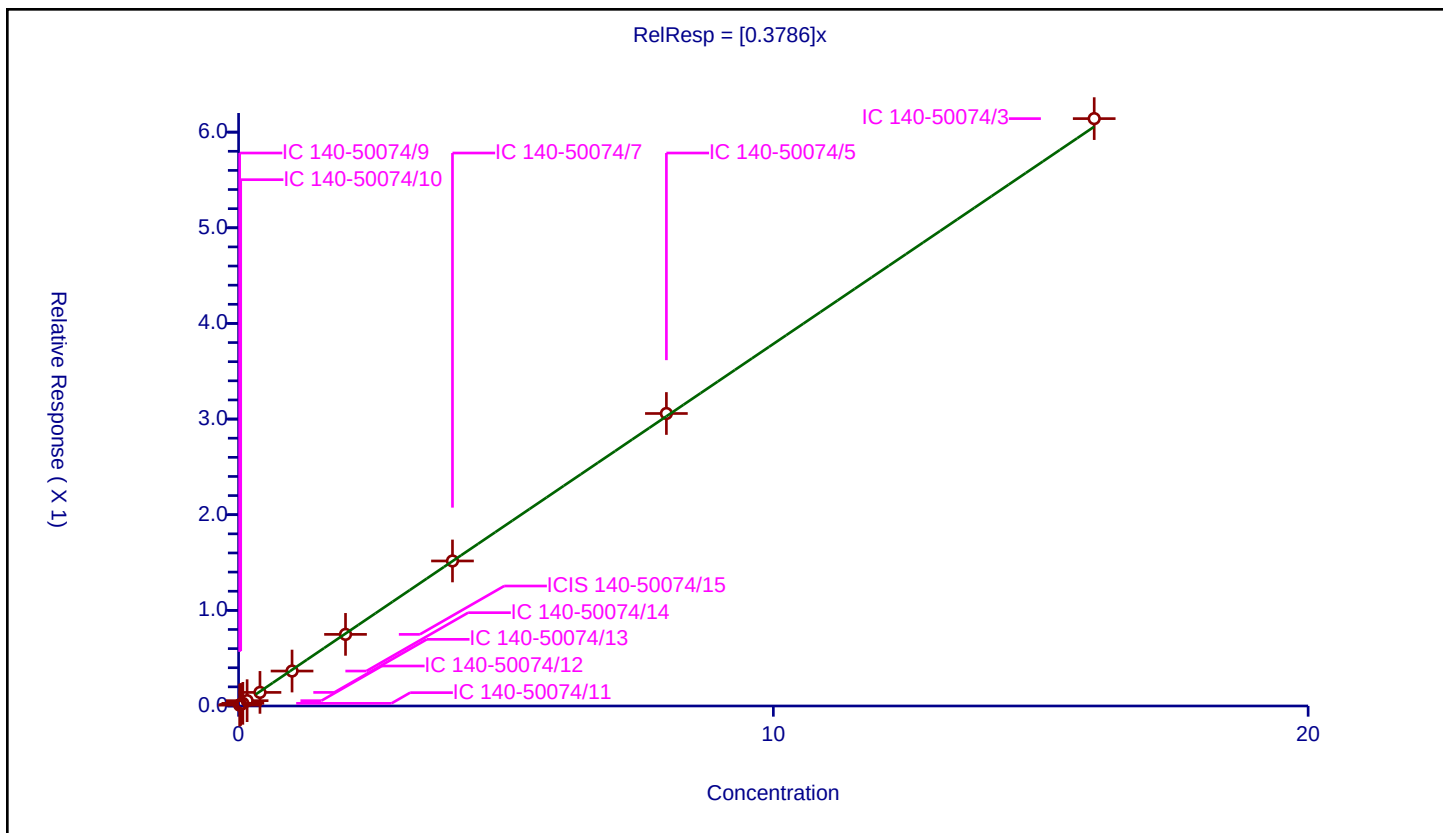
Curve Coefficients

Intercept: 0
 Slope: 0.3786

Error Coefficients

Standard Error: 681000
 Relative Standard Error: 7.8
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.008876	4.8	1197345.0	0.443782	Y
2	IC 140-50074/10	0.04	0.0163	4.8	1120504.0	0.407495	Y
3	IC 140-50074/11	0.08	0.027695	4.8	1093288.0	0.346185	Y
4	IC 140-50074/12	0.16	0.05571	4.8	1074850.0	0.348188	Y
5	IC 140-50074/13	0.4	0.141986	4.8	1107018.0	0.354964	Y
6	IC 140-50074/14	1.0	0.365414	4.8	1193215.0	0.365414	Y
7	ICIS 140-50074/15	2.0	0.748901	4.8	1275417.0	0.374451	Y
8	IC 140-50074/7	4.0	1.516415	4.8	1448713.0	0.379104	Y
9	IC 140-50074/5	8.0	3.058341	4.8	1528336.0	0.382293	Y
10	IC 140-50074/3	16.0	6.141428	4.8	1347514.0	0.383839	Y



Calibration

/ Dibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

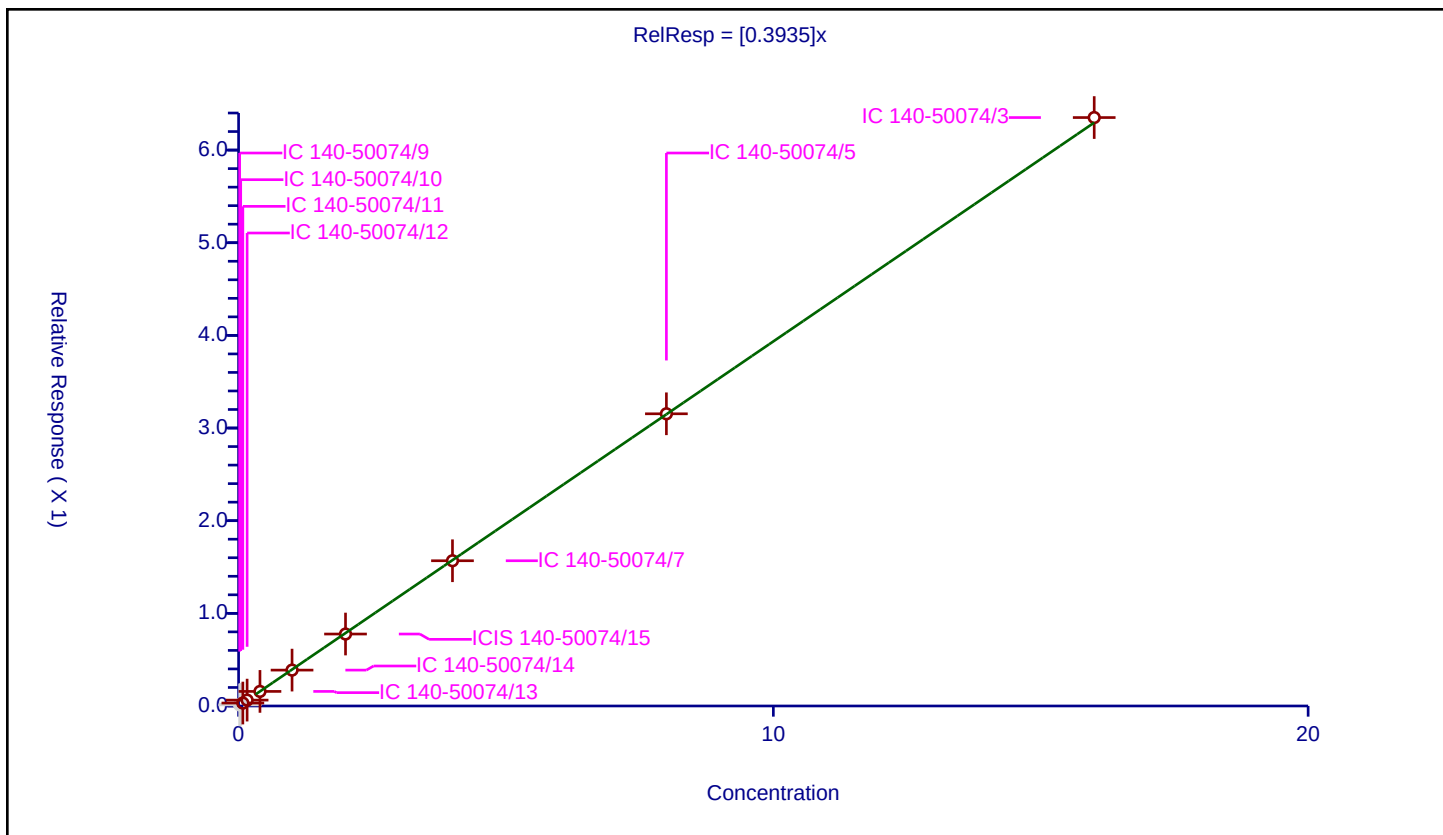
Curve Coefficients

Intercept: 0
 Slope: 0.3935

Error Coefficients

Standard Error: 799000
 Relative Standard Error: 1.1
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.011999	4.8	1197345.0	0.599927	N
2	IC 140-50074/10	0.04	0.018086	4.8	1120504.0	0.452154	N
3	IC 140-50074/11	0.08	0.031905	4.8	1093288.0	0.398815	Y
4	IC 140-50074/12	0.16	0.063592	4.8	1074850.0	0.397451	Y
5	IC 140-50074/13	0.4	0.157274	4.8	1107018.0	0.393186	Y
6	IC 140-50074/14	1.0	0.387278	4.8	1193215.0	0.387278	Y
7	ICIS 140-50074/15	2.0	0.77657	4.8	1275417.0	0.388285	Y
8	IC 140-50074/7	4.0	1.567562	4.8	1448713.0	0.39189	Y
9	IC 140-50074/5	8.0	3.153632	4.8	1528336.0	0.394204	Y
10	IC 140-50074/3	16.0	6.351116	4.8	1347514.0	0.396945	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

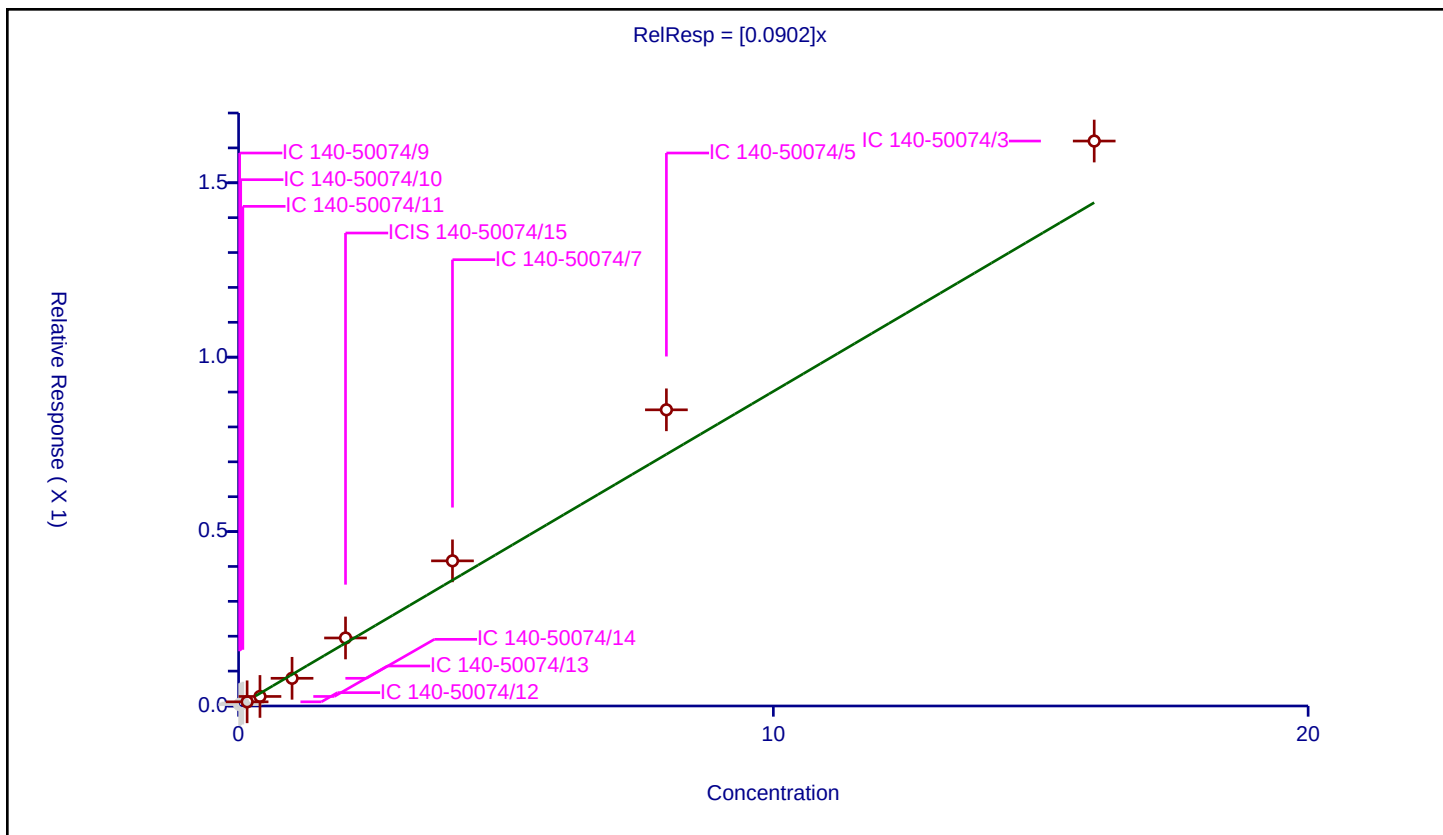
Curve Coefficients

Intercept: 0
 Slope: 0.0902

Error Coefficients

Standard Error: 223000
 Relative Standard Error: 17.3
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.004017	4.8	1197345.0	0.200844	N
2	IC 140-50074/10	0.04	0.005924	4.8	1120504.0	0.148112	N
3	IC 140-50074/11	0.08	0.008285	4.8	1093288.0	0.103559	N
4	IC 140-50074/12	0.16	0.011959	4.8	1074850.0	0.074745	Y
5	IC 140-50074/13	0.4	0.027338	4.8	1107018.0	0.068346	Y
6	IC 140-50074/14	1.0	0.079369	4.8	1193215.0	0.079369	Y
7	ICIS 140-50074/15	2.0	0.195023	4.8	1275417.0	0.097512	Y
8	IC 140-50074/7	4.0	0.416102	4.8	1448713.0	0.104026	Y
9	IC 140-50074/5	8.0	0.849137	4.8	1528336.0	0.106142	Y
10	IC 140-50074/3	16.0	1.619647	4.8	1347514.0	0.101228	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

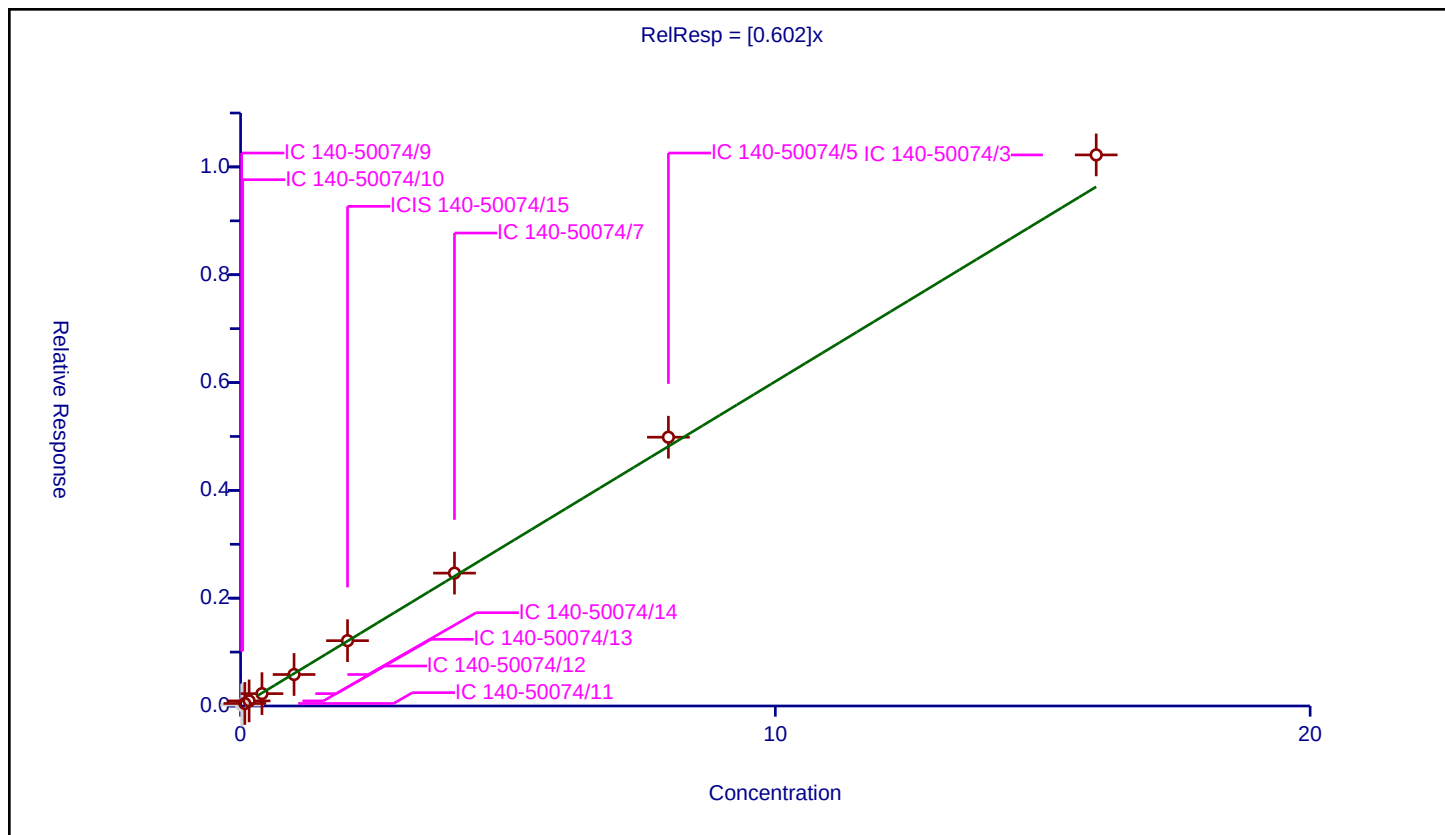
Curve Coefficients

Intercept: 0
 Slope: 0.602

Error Coefficients

Standard Error: 1280000
 Relative Standard Error: 3.8
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.01642	4.8	1197345.0	0.821016	N
2	IC 140-50074/10	0.04	0.027943	4.8	1120504.0	0.698578	N
3	IC 140-50074/11	0.08	0.046512	4.8	1093288.0	0.581402	Y
4	IC 140-50074/12	0.16	0.094817	4.8	1074850.0	0.592604	Y
5	IC 140-50074/13	0.4	0.229421	4.8	1107018.0	0.573552	Y
6	IC 140-50074/14	1.0	0.583821	4.8	1193215.0	0.583821	Y
7	ICIS 140-50074/15	2.0	1.211959	4.8	1275417.0	0.60598	Y
8	IC 140-50074/7	4.0	2.464588	4.8	1448713.0	0.616147	Y
9	IC 140-50074/5	8.0	4.986053	4.8	1528336.0	0.623257	Y
10	IC 140-50074/3	16.0	10.222953	4.8	1347514.0	0.638935	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

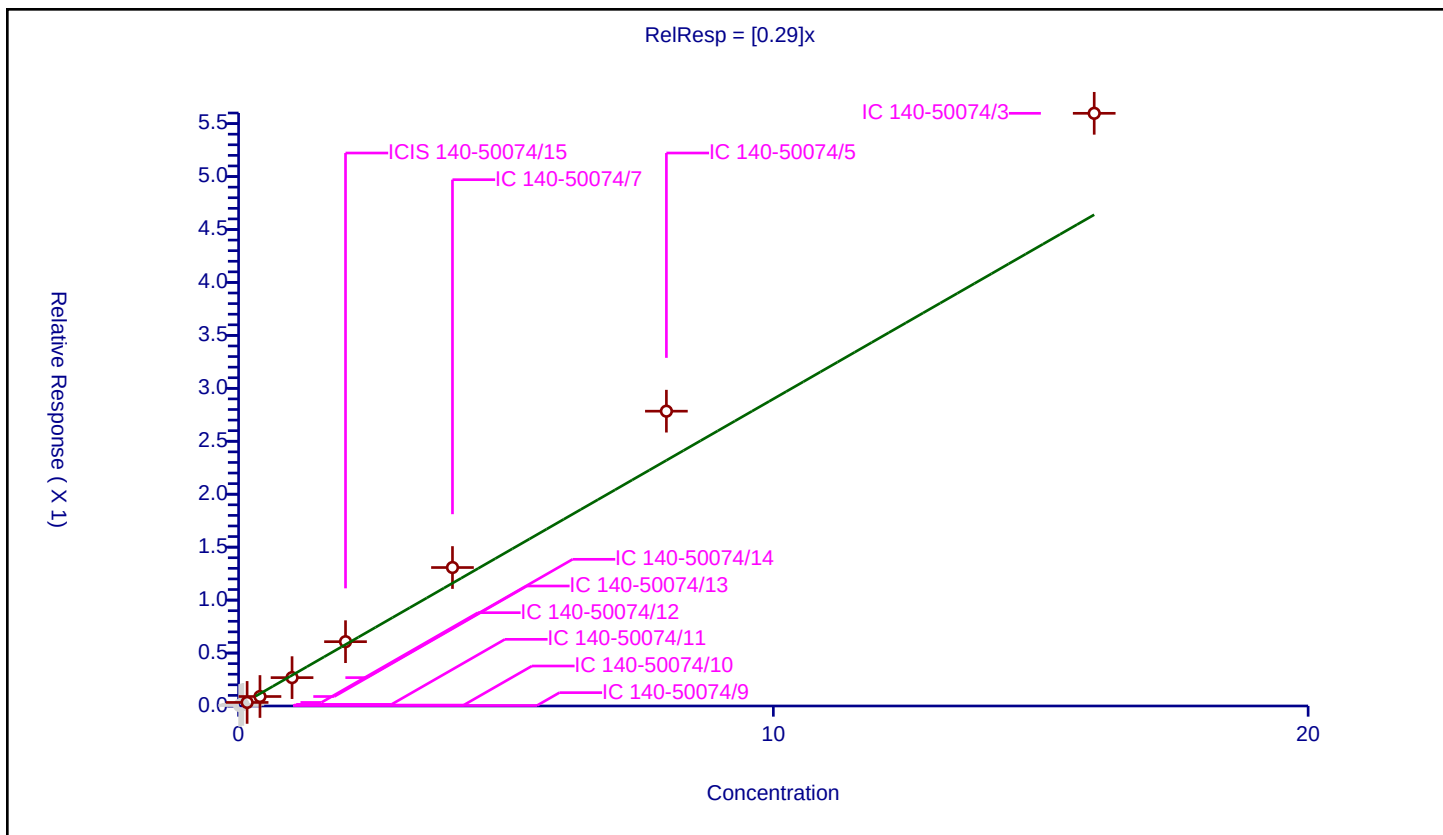
Curve Coefficients

Intercept: 0
 Slope: 0.29

Error Coefficients

Standard Error: 757000
 Relative Standard Error: 19.8
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.004779	4.8	1197345.0	0.238929	N
2	IC 140-50074/10	0.04	0.008589	4.8	1120504.0	0.214725	N
3	IC 140-50074/11	0.08	0.015353	4.8	1093288.0	0.191916	N
4	IC 140-50074/12	0.16	0.033578	4.8	1074850.0	0.209862	Y
5	IC 140-50074/13	0.4	0.089455	4.8	1107018.0	0.223639	Y
6	IC 140-50074/14	1.0	0.267895	4.8	1193215.0	0.267895	Y
7	ICIS 140-50074/15	2.0	0.607256	4.8	1275417.0	0.303628	Y
8	IC 140-50074/7	4.0	1.307671	4.8	1448713.0	0.326918	Y
9	IC 140-50074/5	8.0	2.784126	4.8	1528336.0	0.348016	Y
10	IC 140-50074/3	16.0	5.597105	4.8	1347514.0	0.349819	Y



Calibration

/ Methylcyclohexane

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

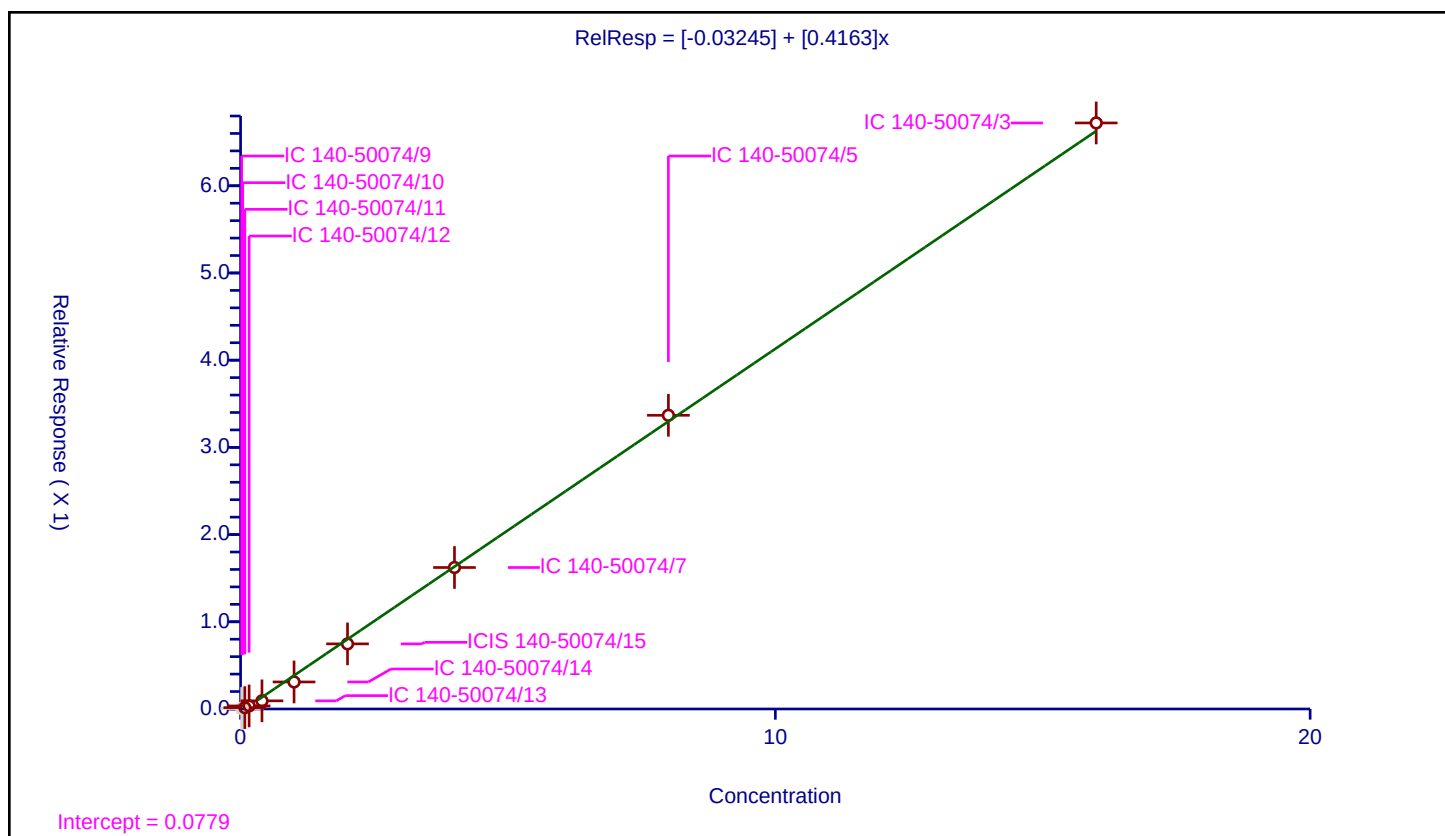
Curve Coefficients

Intercept: -0.03245
Slope: 0.4163

Error Coefficients

Standard Error: 912000
Relative Standard Error: 22.1
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.005893	4.8	1197345.0	0.294652	N
2	IC 140-50074/10	0.04	0.010405	4.8	1120504.0	0.260133	N
3	IC 140-50074/11	0.08	0.015669	4.8	1093288.0	0.195868	Y
4	IC 140-50074/12	0.16	0.034931	4.8	1074850.0	0.218319	Y
5	IC 140-50074/13	0.4	0.093488	4.8	1107018.0	0.23372	Y
6	IC 140-50074/14	1.0	0.309981	4.8	1193215.0	0.309981	Y
7	ICIS 140-50074/15	2.0	0.746711	4.8	1275417.0	0.373356	Y
8	IC 140-50074/7	4.0	1.622513	4.8	1448713.0	0.405628	Y
9	IC 140-50074/5	8.0	3.367914	4.8	1528336.0	0.420989	Y
10	IC 140-50074/3	16.0	6.720507	4.8	1347514.0	0.420032	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

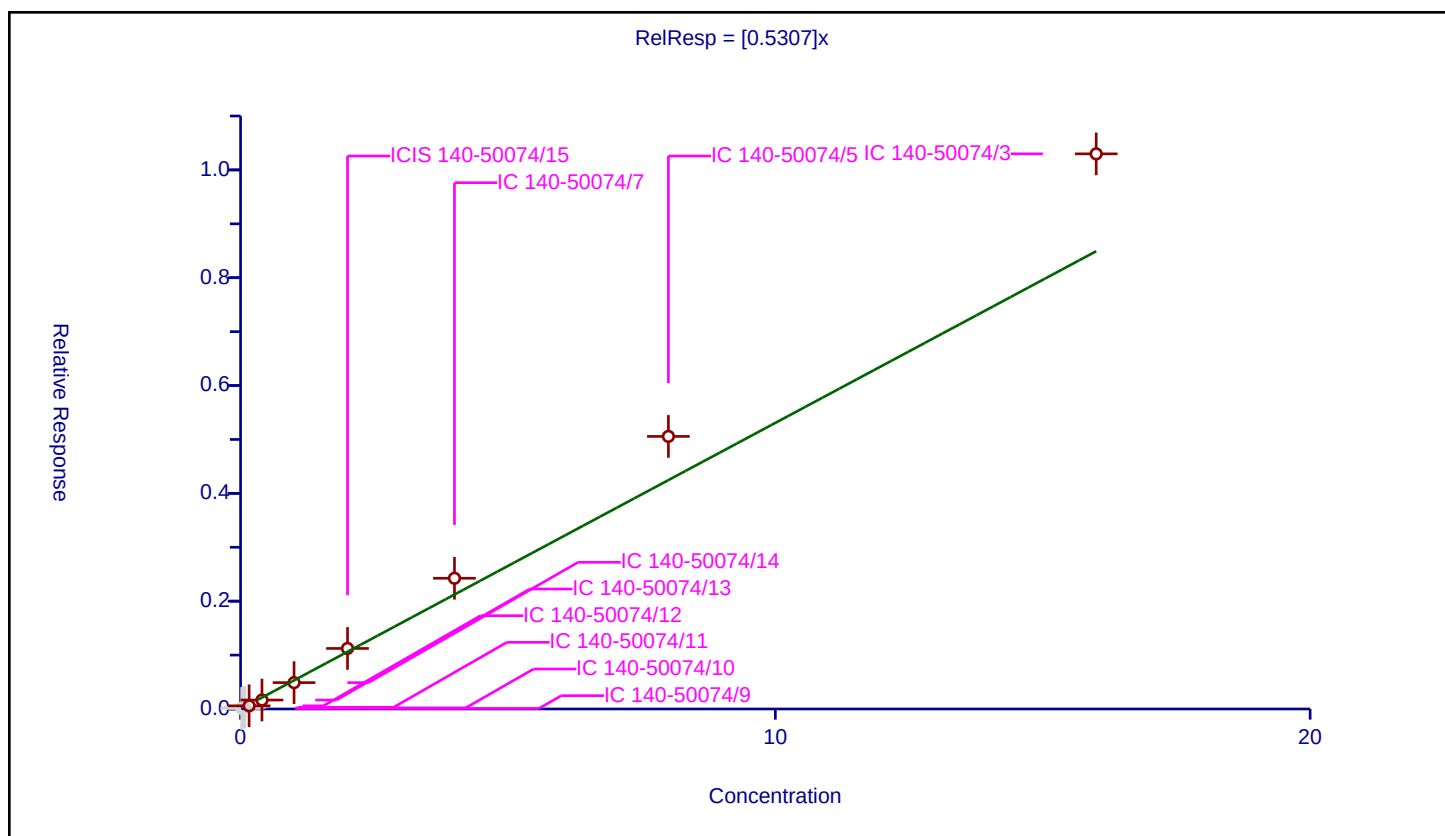
Curve Coefficients

Intercept: 0
 Slope: 0.5307

Error Coefficients

Standard Error: 1390000
 Relative Standard Error: 20.6
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.010355	4.8	1197345.0	0.517746	N
2	IC 140-50074/10	0.04	0.020404	4.8	1120504.0	0.510092	N
3	IC 140-50074/11	0.08	0.030926	4.8	1093288.0	0.386577	N
4	IC 140-50074/12	0.16	0.05876	4.8	1074850.0	0.367251	Y
5	IC 140-50074/13	0.4	0.166102	4.8	1107018.0	0.415256	Y
6	IC 140-50074/14	1.0	0.488896	4.8	1193215.0	0.488896	Y
7	ICIS 140-50074/15	2.0	1.123066	4.8	1275417.0	0.561533	Y
8	IC 140-50074/7	4.0	2.425411	4.8	1448713.0	0.606353	Y
9	IC 140-50074/5	8.0	5.056508	4.8	1528336.0	0.632063	Y
10	IC 140-50074/3	16.0	10.297968	4.8	1347514.0	0.643623	Y



Calibration

/ cis-1,3-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

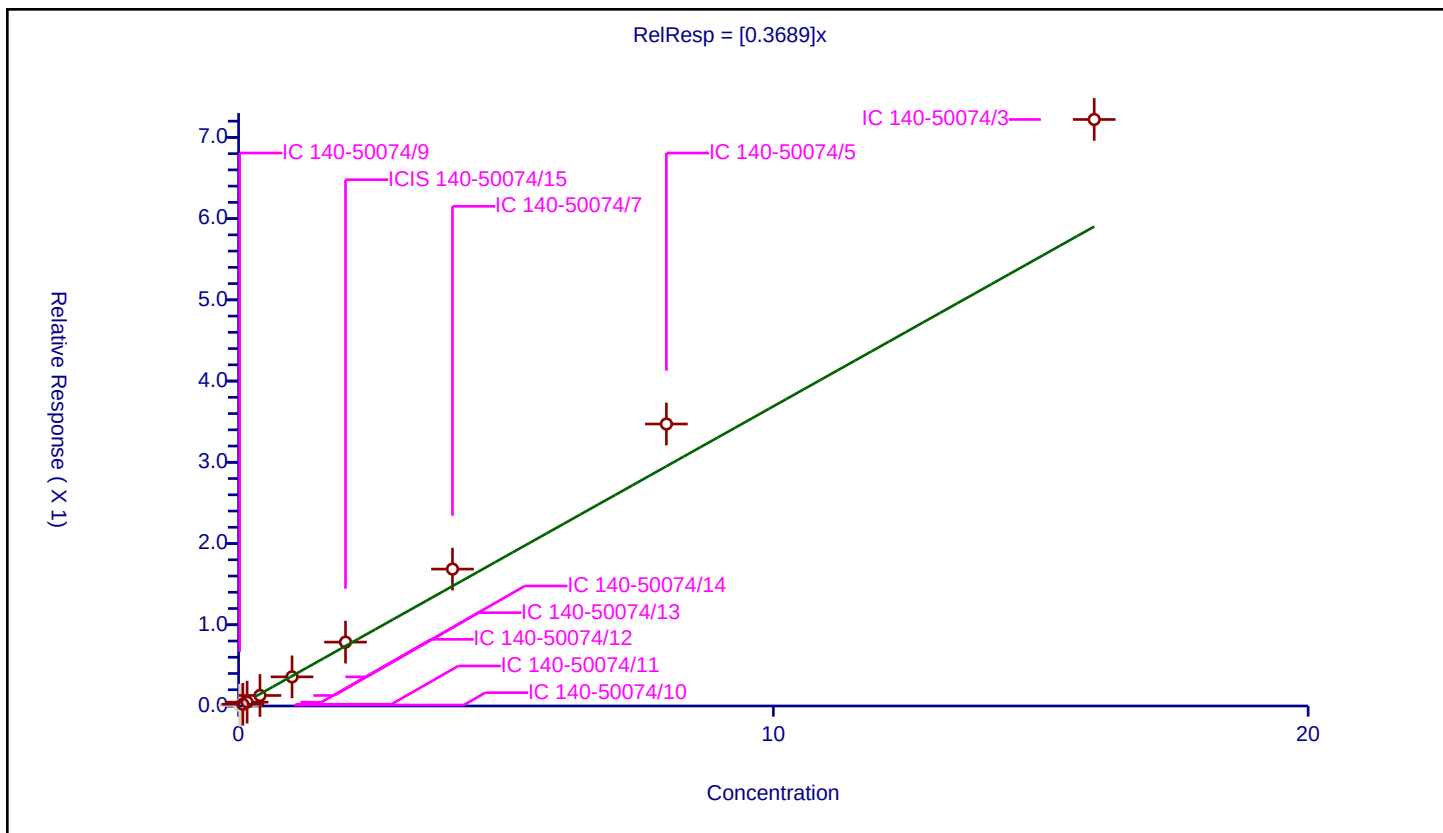
Curve Coefficients

Intercept: 0
 Slope: 0.3689

Error Coefficients

Standard Error: 898000
 Relative Standard Error: 18.0
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.008876	4.8	1197345.0	0.443782	N
2	IC 140-50074/10	0.04	0.011639	4.8	1120504.0	0.290976	N
3	IC 140-50074/11	0.08	0.021926	4.8	1093288.0	0.274072	Y
4	IC 140-50074/12	0.16	0.047176	4.8	1074850.0	0.29485	Y
5	IC 140-50074/13	0.4	0.12952	4.8	1107018.0	0.3238	Y
6	IC 140-50074/14	1.0	0.358567	4.8	1193215.0	0.358567	Y
7	ICIS 140-50074/15	2.0	0.786559	4.8	1275417.0	0.393279	Y
8	IC 140-50074/7	4.0	1.685356	4.8	1448713.0	0.421339	Y
9	IC 140-50074/5	8.0	3.471613	4.8	1528336.0	0.433952	Y
10	IC 140-50074/3	16.0	7.220432	4.8	1347514.0	0.451277	Y



Calibration

/ trans-1,3-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

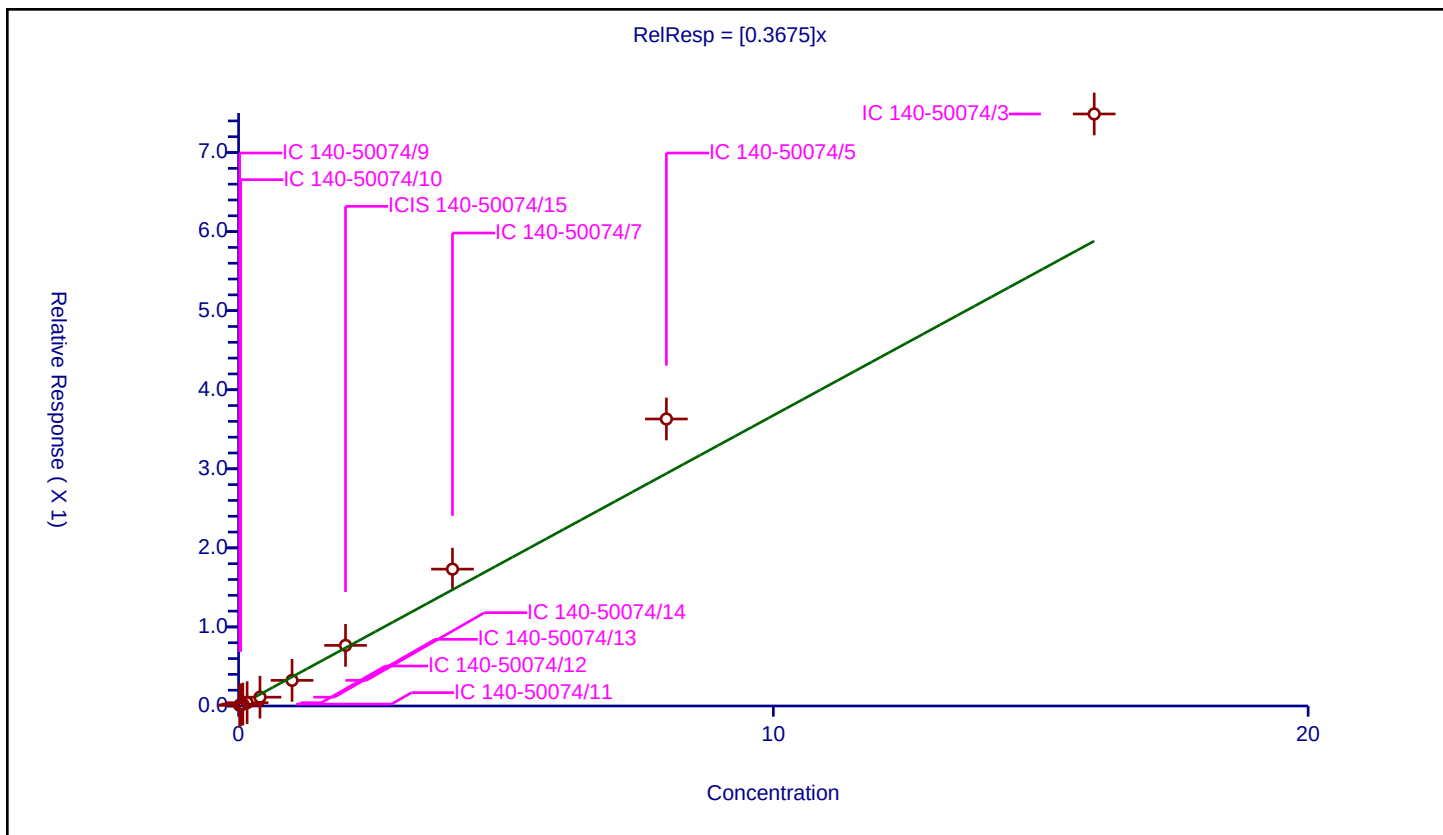
Curve Coefficients

Intercept: 0
 Slope: 0.3675

Error Coefficients

Standard Error: 730000
 Relative Standard Error: 19.9
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.007783	4.8	948567.0	0.389134	Y
2	IC 140-50074/10	0.04	0.015325	4.8	892333.0	0.383131	Y
3	IC 140-50074/11	0.08	0.024136	4.8	876448.0	0.301695	Y
4	IC 140-50074/12	0.16	0.041762	4.8	867543.0	0.261013	Y
5	IC 140-50074/13	0.4	0.111493	4.8	884245.0	0.278733	Y
6	IC 140-50074/14	1.0	0.323859	4.8	945670.0	0.323859	Y
7	ICIS 140-50074/15	2.0	0.766423	4.8	1031731.0	0.383212	Y
8	IC 140-50074/7	4.0	1.73103	4.8	1207386.0	0.432757	Y
9	IC 140-50074/5	8.0	3.630127	4.8	1330216.0	0.453766	Y
10	IC 140-50074/3	16.0	7.487693	4.8	1209824.0	0.467981	Y



Calibration

/ Toluene

Curve Type: Linear
 Weighting: None
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

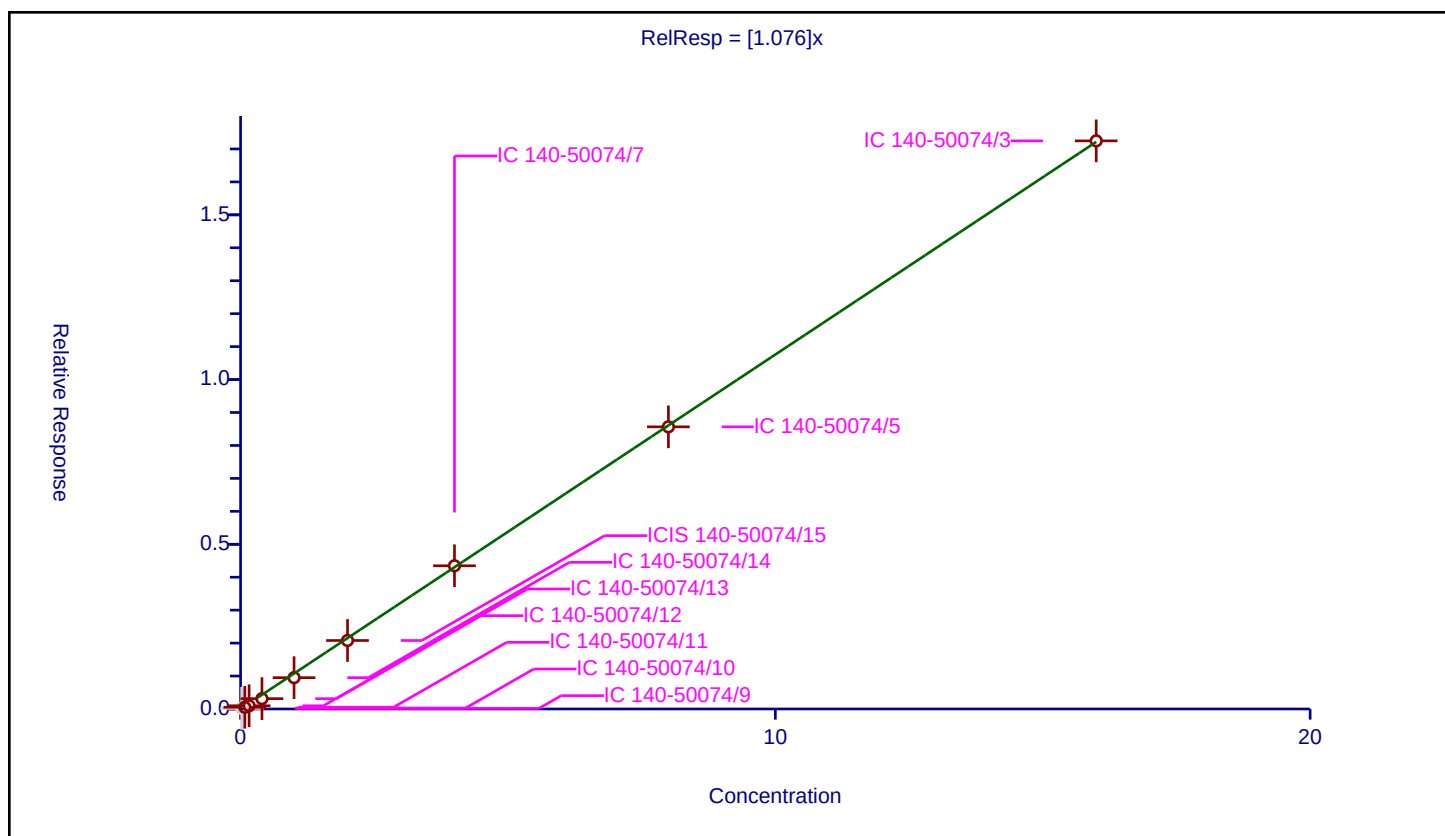
Curve Coefficients

Intercept: 0
 Slope: 1.076

Error Coefficients

Standard Error: 1930000
 Relative Standard Error: 24.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.018647	4.8	948567.0	0.932354	N
2	IC 140-50074/10	0.04	0.029655	4.8	892333.0	0.741382	N
3	IC 140-50074/11	0.08	0.052713	4.8	876448.0	0.65891	Y
4	IC 140-50074/12	0.16	0.097218	4.8	867543.0	0.607613	Y
5	IC 140-50074/13	0.4	0.313444	4.8	884245.0	0.783611	Y
6	IC 140-50074/14	1.0	0.951107	4.8	945670.0	0.951107	Y
7	ICIS 140-50074/15	2.0	2.0793	4.8	1031731.0	1.03965	Y
8	IC 140-50074/7	4.0	4.34764	4.8	1207386.0	1.08691	Y
9	IC 140-50074/5	8.0	8.564642	4.8	1330216.0	1.07058	Y
10	IC 140-50074/3	16.0	17.245445	4.8	1209824.0	1.07784	Y



Calibration

/ 1,1,2-Trichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

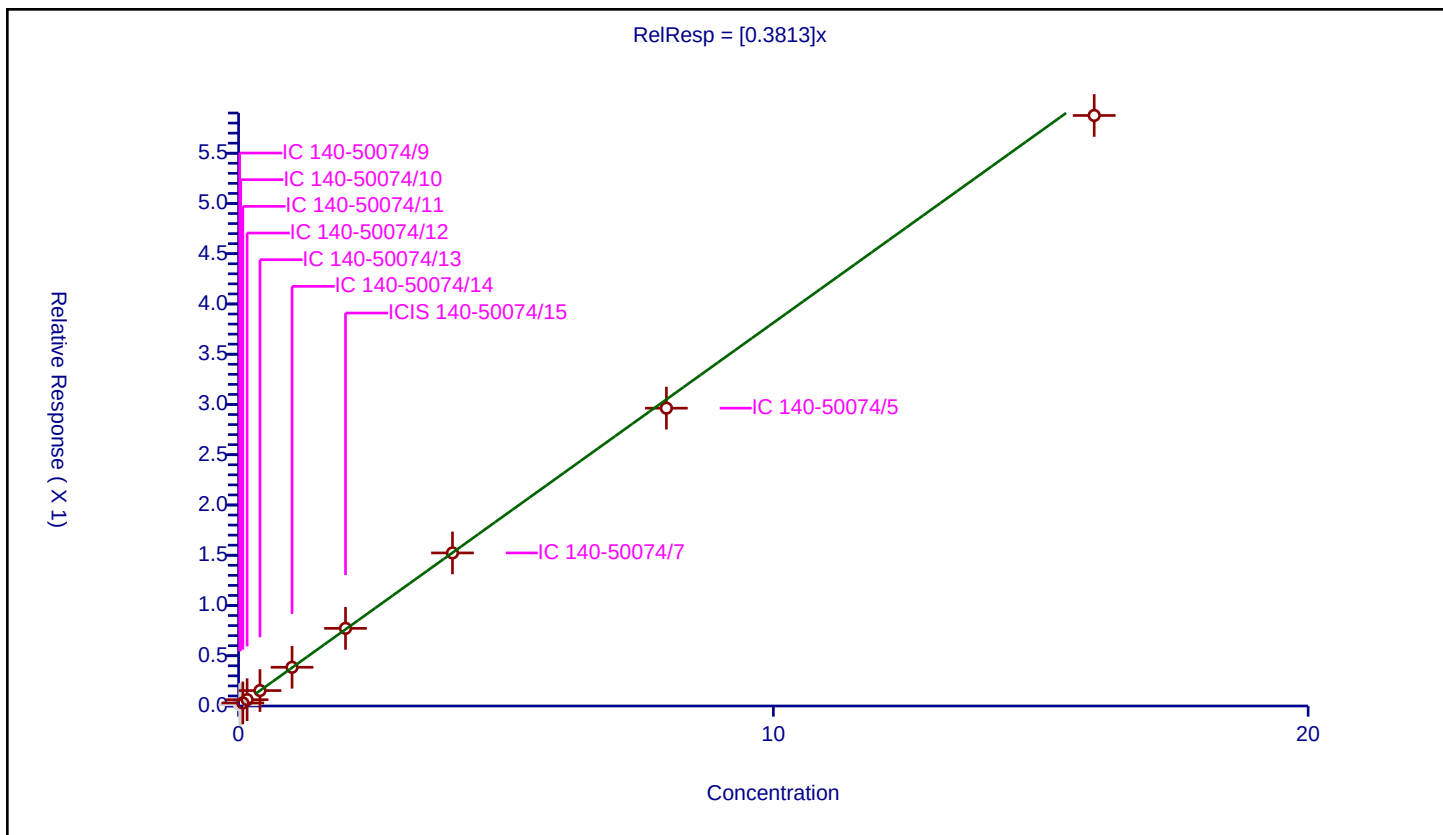
Curve Coefficients

Intercept: 0
 Slope: 0.3813

Error Coefficients

Standard Error: 660000
 Relative Standard Error: 2.2
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.011755	4.8	948567.0	0.58775	N
2	IC 140-50074/10	0.04	0.01844	4.8	892333.0	0.460994	N
3	IC 140-50074/11	0.08	0.030757	4.8	876448.0	0.384461	Y
4	IC 140-50074/12	0.16	0.062704	4.8	867543.0	0.3919	Y
5	IC 140-50074/13	0.4	0.153476	4.8	884245.0	0.38369	Y
6	IC 140-50074/14	1.0	0.385474	4.8	945670.0	0.385474	Y
7	ICIS 140-50074/15	2.0	0.772578	4.8	1031731.0	0.386289	Y
8	IC 140-50074/7	4.0	1.522835	4.8	1207386.0	0.380709	Y
9	IC 140-50074/5	8.0	2.963205	4.8	1330216.0	0.370401	Y
10	IC 140-50074/3	16.0	5.875706	4.8	1209824.0	0.367232	Y



Calibration

/ 2-Hexanone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

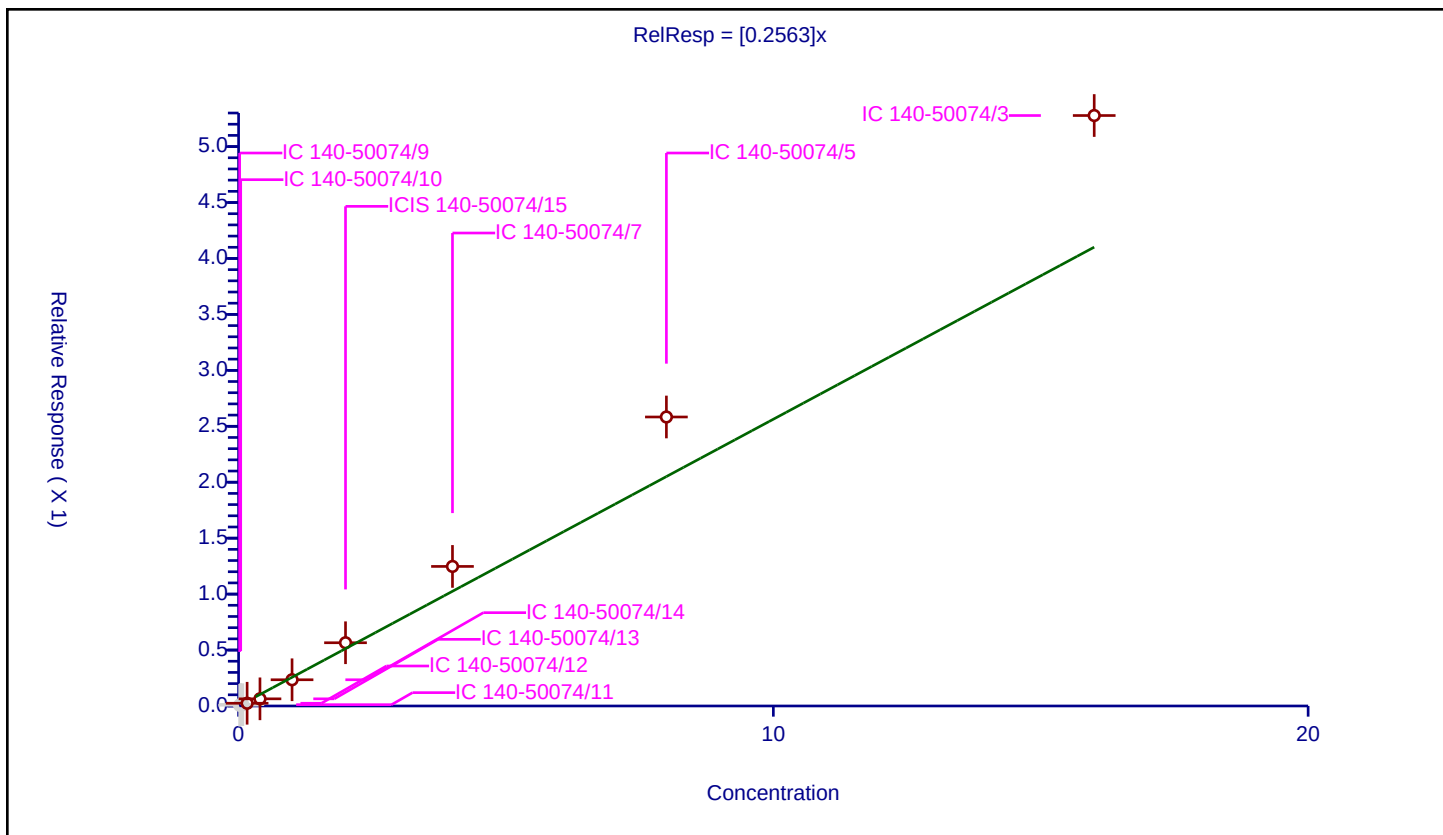
Curve Coefficients

Intercept: 0
 Slope: 0.2563

Error Coefficients

Standard Error: 632000
 Relative Standard Error: 29.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.919

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.006578	4.8	948567.0	0.328917	N
2	IC 140-50074/10	0.04	0.013819	4.8	892333.0	0.345476	N
3	IC 140-50074/11	0.08	0.011715	4.8	876448.0	0.146432	N
4	IC 140-50074/12	0.16	0.024417	4.8	867543.0	0.152603	Y
5	IC 140-50074/13	0.4	0.063973	4.8	884245.0	0.159933	Y
6	IC 140-50074/14	1.0	0.234445	4.8	945670.0	0.234445	Y
7	ICIS 140-50074/15	2.0	0.565305	4.8	1031731.0	0.282653	Y
8	IC 140-50074/7	4.0	1.247374	4.8	1207386.0	0.311844	Y
9	IC 140-50074/5	8.0	2.583067	4.8	1330216.0	0.322883	Y
10	IC 140-50074/3	16.0	5.277503	4.8	1209824.0	0.329844	Y



Calibration

/ C8 Range

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

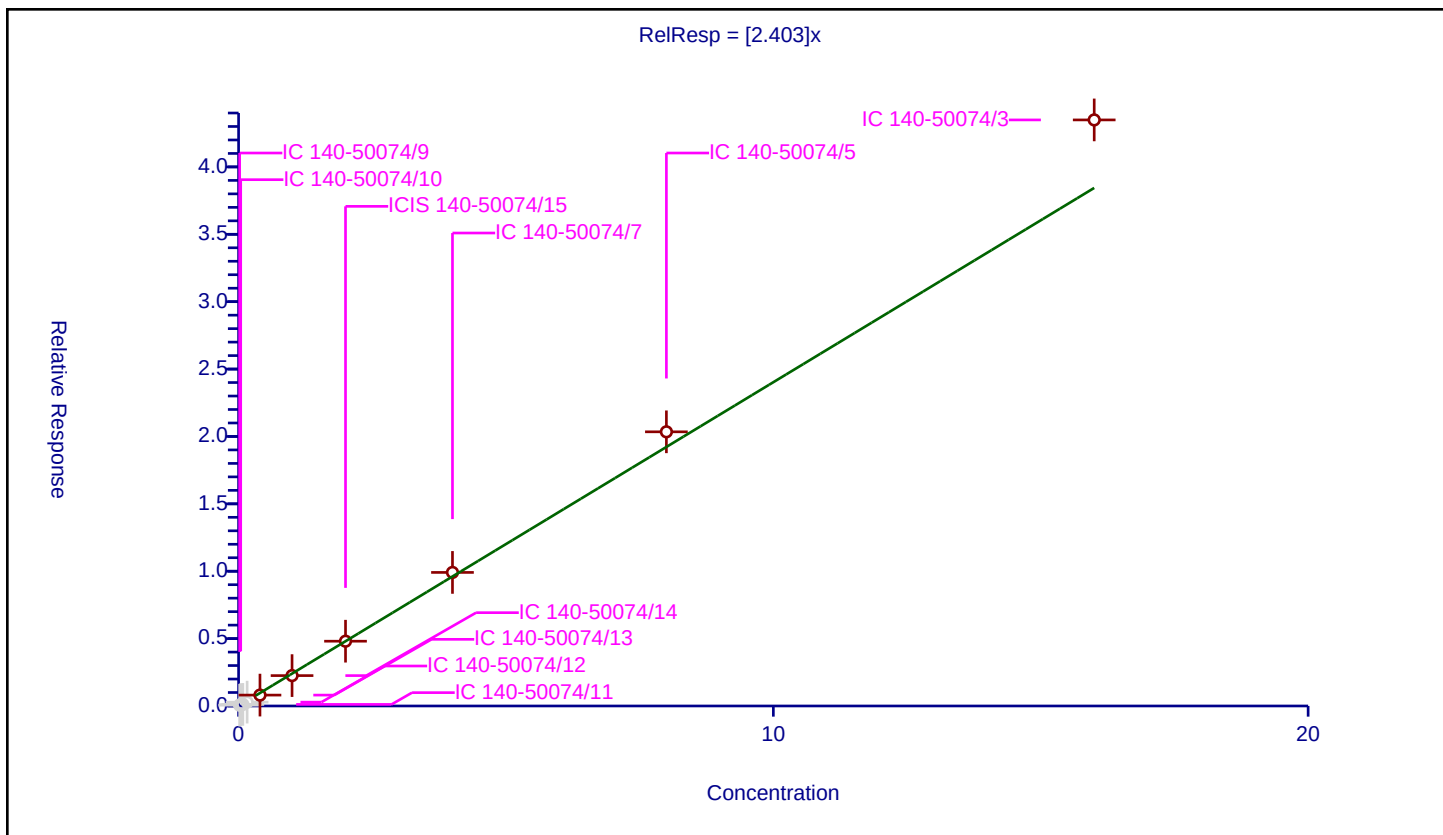
Curve Coefficients

Intercept: 0
 Slope: 2.403

Error Coefficients

Standard Error: 6360000
 Relative Standard Error: 10.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.058578	4.8	1197345.0	2.92888	N
2	IC 140-50074/10	0.04	0.101059	4.8	1120504.0	2.52647	N
3	IC 140-50074/11	0.08	0.116899	4.8	1093288.0	1.461244	N
4	IC 140-50074/12	0.16	0.286249	4.8	1074850.0	1.789059	N
5	IC 140-50074/13	0.4	0.807532	4.8	1107018.0	2.018829	Y
6	IC 140-50074/14	1.0	2.25458	4.8	1193215.0	2.25458	Y
7	ICIS 140-50074/15	2.0	4.80659	4.8	1275417.0	2.403295	Y
8	IC 140-50074/7	4.0	9.909796	4.8	1448713.0	2.477449	Y
9	IC 140-50074/5	8.0	20.345126	4.8	1528336.0	2.543141	Y
10	IC 140-50074/3	16.0	43.488218	4.8	1347514.0	2.718014	Y



Calibration

/ n-Octane

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

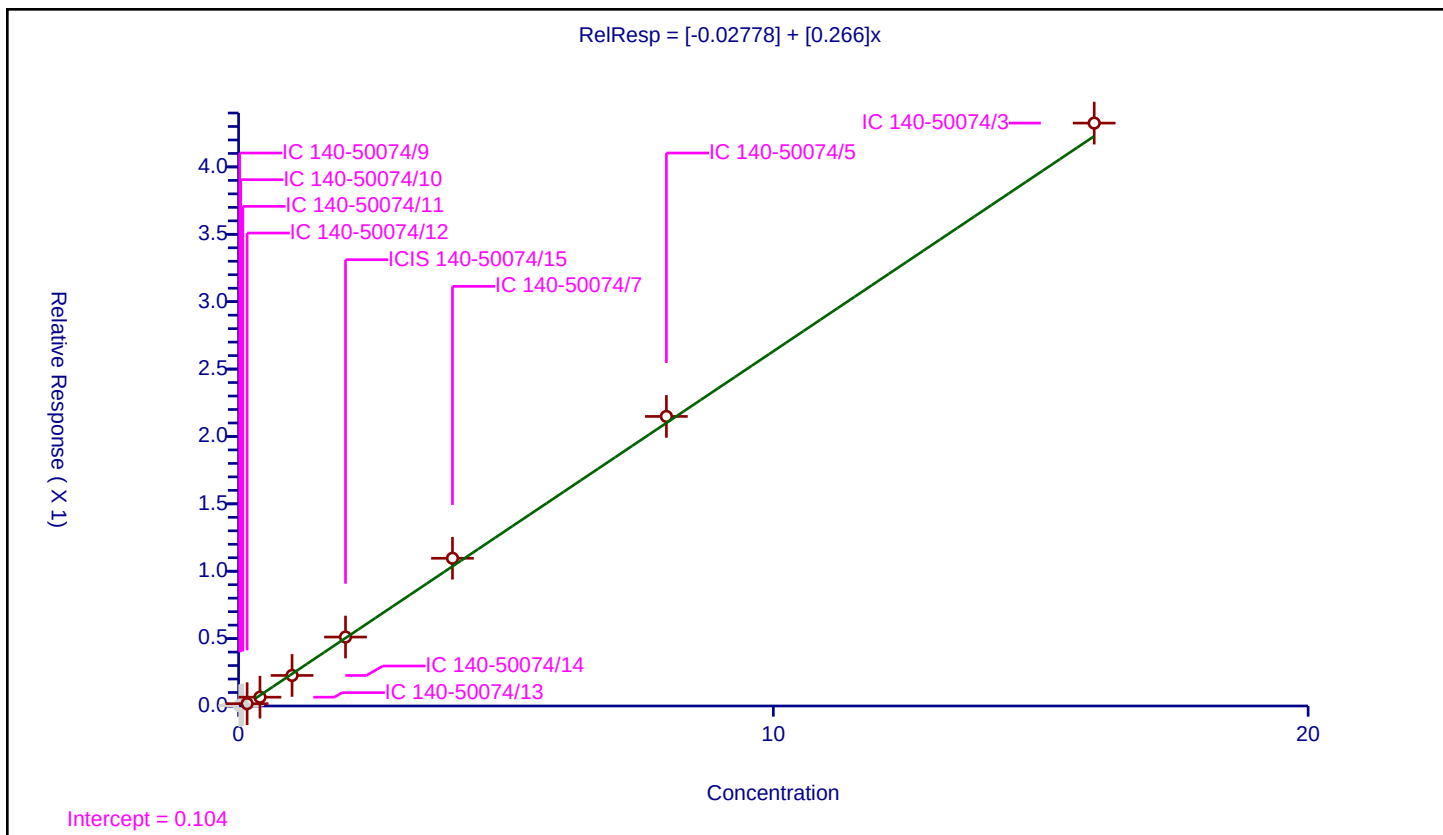
Curve Coefficients

Intercept: -0.02778
 Slope: 0.266

Error Coefficients

Standard Error: 572000
 Relative Standard Error: 7.0
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.002166	4.8	948567.0	0.10829	N
2	IC 140-50074/10	0.04	0.004653	4.8	892333.0	0.116324	N
3	IC 140-50074/11	0.08	0.008823	4.8	876448.0	0.110286	N
4	IC 140-50074/12	0.16	0.01703	4.8	867543.0	0.106439	Y
5	IC 140-50074/13	0.4	0.065298	4.8	884245.0	0.163244	Y
6	IC 140-50074/14	1.0	0.226653	4.8	945670.0	0.226653	Y
7	ICIS 140-50074/15	2.0	0.511594	4.8	1031731.0	0.255797	Y
8	IC 140-50074/7	4.0	1.096082	4.8	1207386.0	0.27402	Y
9	IC 140-50074/5	8.0	2.148524	4.8	1330216.0	0.268566	Y
10	IC 140-50074/3	16.0	4.325179	4.8	1209824.0	0.270324	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

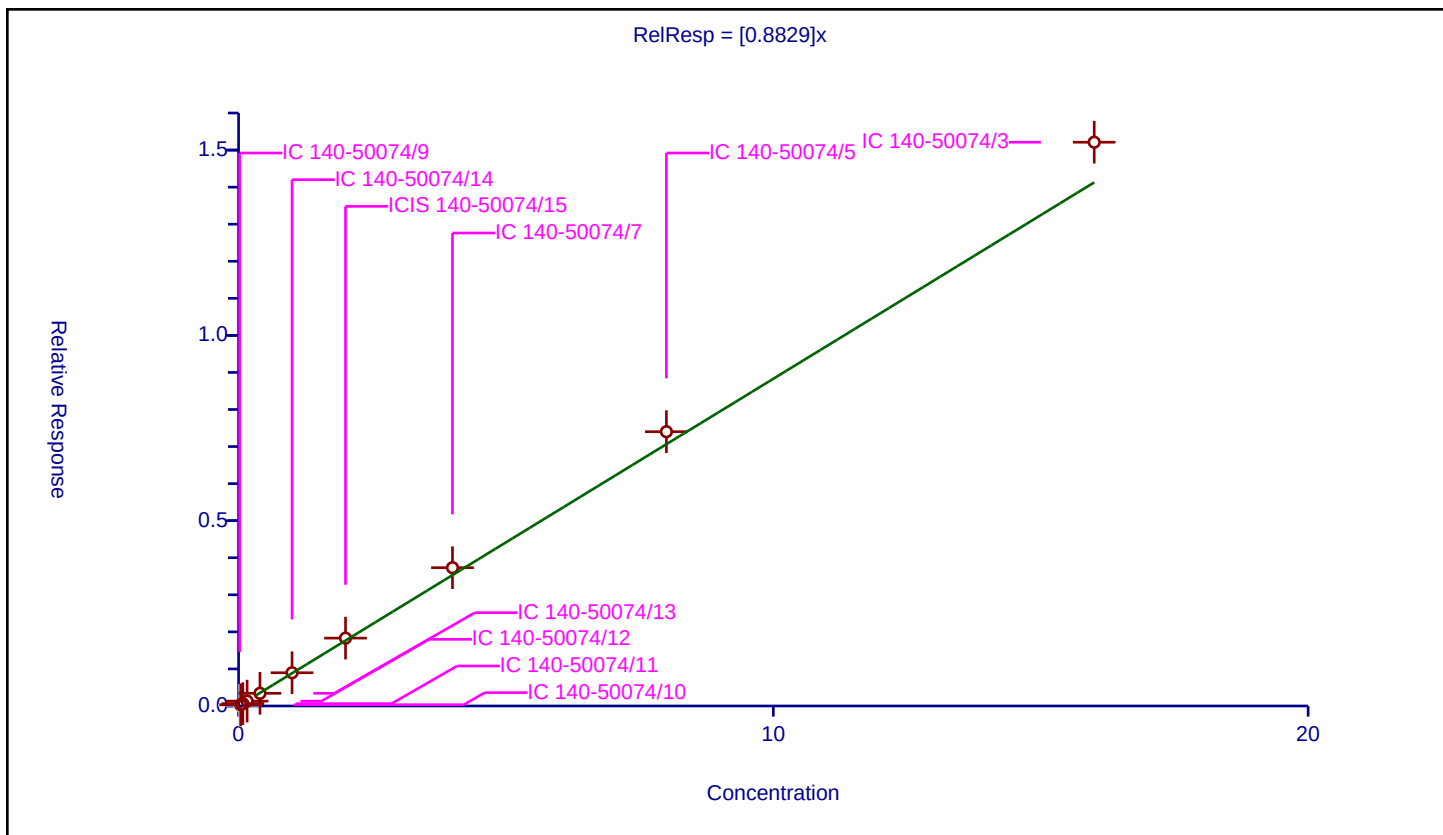
Curve Coefficients

Intercept: 0
 Slope: 0.8829

Error Coefficients

Standard Error: 1580000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.020732	4.8	948567.0	1.036595	N
2	IC 140-50074/10	0.04	0.034115	4.8	892333.0	0.852865	Y
3	IC 140-50074/11	0.08	0.063847	4.8	876448.0	0.798085	Y
4	IC 140-50074/12	0.16	0.131035	4.8	867543.0	0.818968	Y
5	IC 140-50074/13	0.4	0.342019	4.8	884245.0	0.855048	Y
6	IC 140-50074/14	1.0	0.896797	4.8	945670.0	0.896797	Y
7	ICIS 140-50074/15	2.0	1.831719	4.8	1031731.0	0.91586	Y
8	IC 140-50074/7	4.0	3.73185	4.8	1207386.0	0.932963	Y
9	IC 140-50074/5	8.0	7.401445	4.8	1330216.0	0.925181	Y
10	IC 140-50074/3	16.0	15.212314	4.8	1209824.0	0.95077	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

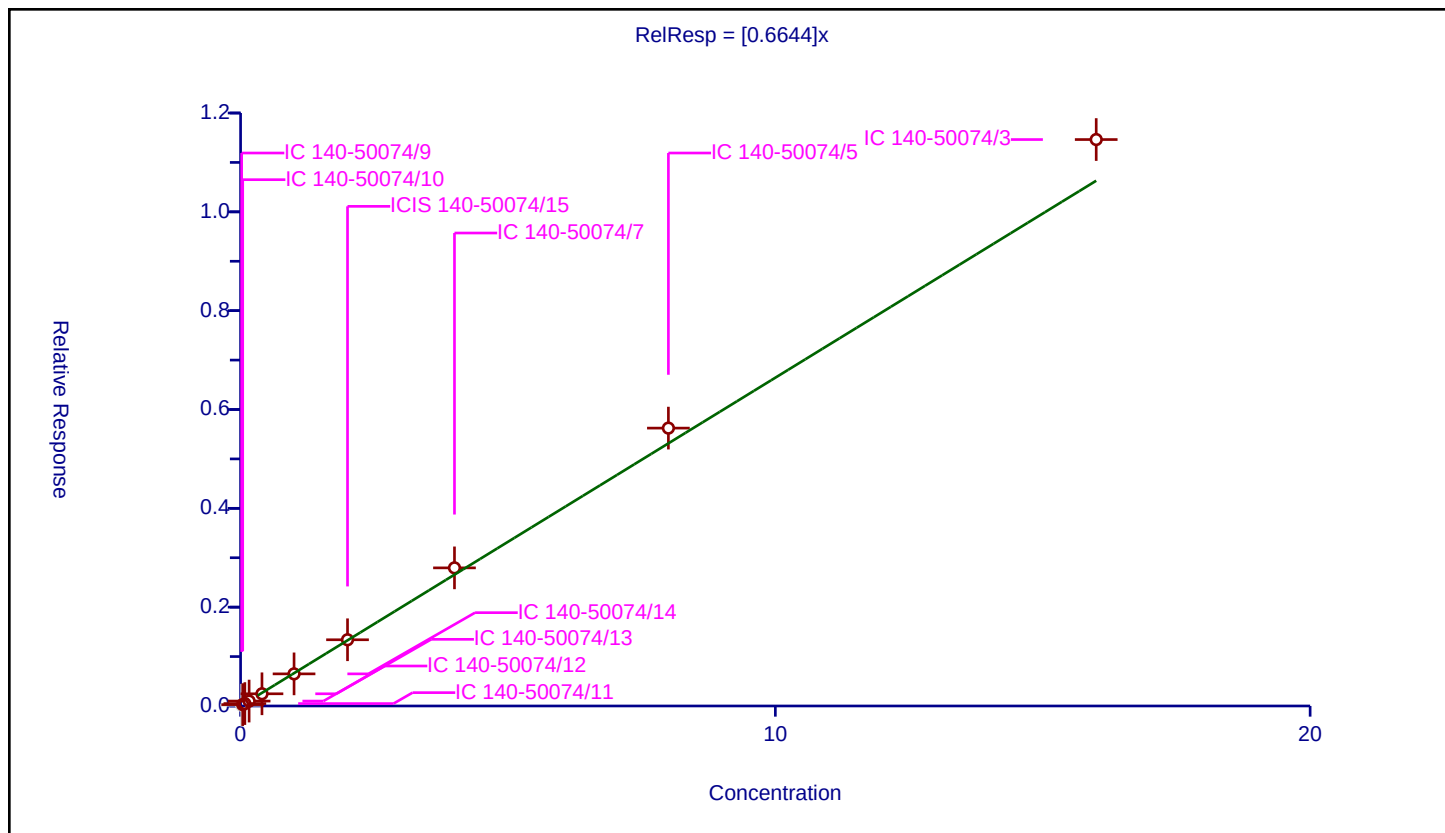
Curve Coefficients

Intercept: 0
 Slope: 0.6644

Error Coefficients

Standard Error: 1190000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.016056	4.8	948567.0	0.802811	N
2	IC 140-50074/10	0.04	0.027568	4.8	892333.0	0.689205	Y
3	IC 140-50074/11	0.08	0.048983	4.8	876448.0	0.61229	Y
4	IC 140-50074/12	0.16	0.099531	4.8	867543.0	0.622067	Y
5	IC 140-50074/13	0.4	0.246866	4.8	884245.0	0.617164	Y
6	IC 140-50074/14	1.0	0.650226	4.8	945670.0	0.650226	Y
7	ICIS 140-50074/15	2.0	1.340033	4.8	1031731.0	0.670017	Y
8	IC 140-50074/7	4.0	2.795343	4.8	1207386.0	0.698836	Y
9	IC 140-50074/5	8.0	5.623626	4.8	1330216.0	0.702953	Y
10	IC 140-50074/3	16.0	11.462976	4.8	1209824.0	0.716436	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

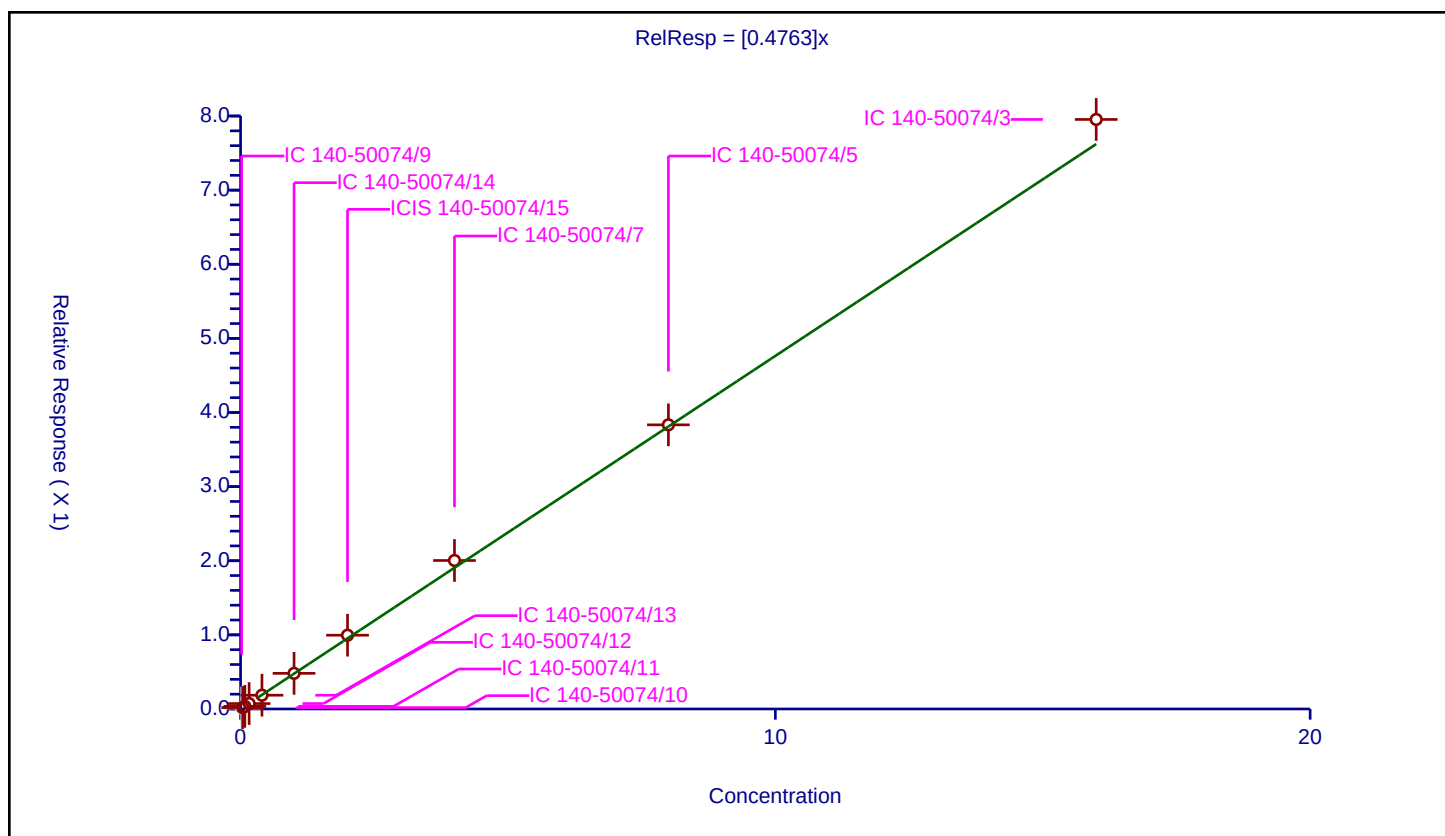
Curve Coefficients

Intercept: 0
Slope: 0.4763

Error Coefficients

Standard Error: 826000
Relative Standard Error: 4.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.013106	4.8	948567.0	0.655304	N
2	IC 140-50074/10	0.04	0.018693	4.8	892333.0	0.467314	Y
3	IC 140-50074/11	0.08	0.035423	4.8	876448.0	0.442787	Y
4	IC 140-50074/12	0.16	0.073056	4.8	867543.0	0.4566	Y
5	IC 140-50074/13	0.4	0.185883	4.8	884245.0	0.464708	Y
6	IC 140-50074/14	1.0	0.480736	4.8	945670.0	0.480736	Y
7	ICIS 140-50074/15	2.0	0.995371	4.8	1031731.0	0.497686	Y
8	IC 140-50074/7	4.0	2.003365	4.8	1207386.0	0.500841	Y
9	IC 140-50074/5	8.0	3.833592	4.8	1330216.0	0.479199	Y
10	IC 140-50074/3	16.0	7.953416	4.8	1209824.0	0.497089	Y



Calibration

/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

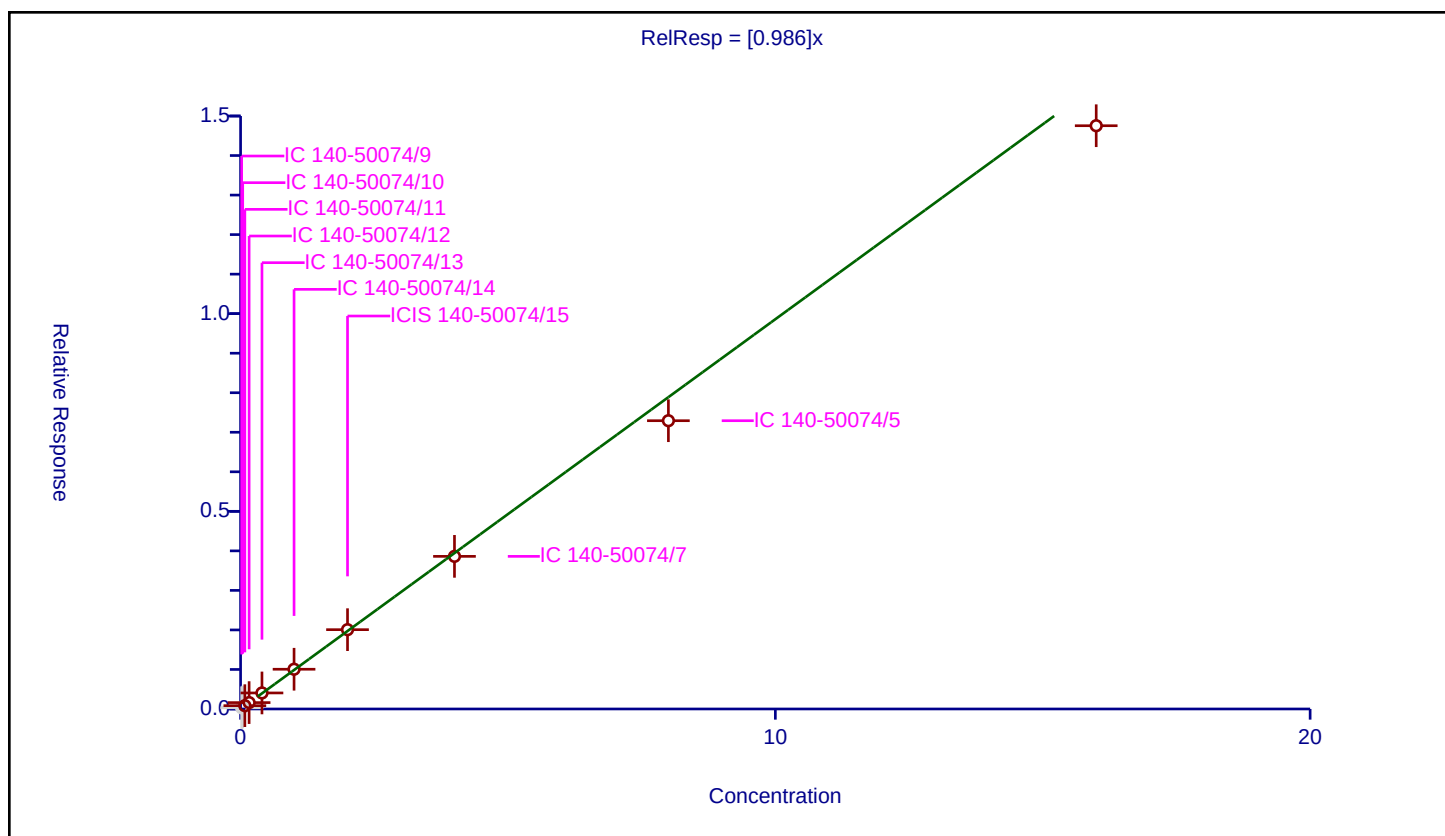
Curve Coefficients

Intercept: 0
 Slope: 0.986

Error Coefficients

Standard Error: 1650000
 Relative Standard Error: 5.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.030933	4.8	948567.0	1.54667	N
2	IC 140-50074/10	0.04	0.049327	4.8	892333.0	1.233172	N
3	IC 140-50074/11	0.08	0.084297	4.8	876448.0	1.053708	Y
4	IC 140-50074/12	0.16	0.161847	4.8	867543.0	1.011546	Y
5	IC 140-50074/13	0.4	0.405895	4.8	884245.0	1.014737	Y
6	IC 140-50074/14	1.0	1.005499	4.8	945670.0	1.005499	Y
7	ICIS 140-50074/15	2.0	2.0067	4.8	1031731.0	1.00335	Y
8	IC 140-50074/7	4.0	3.860757	4.8	1207386.0	0.965189	Y
9	IC 140-50074/5	8.0	7.292481	4.8	1330216.0	0.91156	Y
10	IC 140-50074/3	16.0	14.754319	4.8	1209824.0	0.922145	Y



Calibration

/ Ethylbenzene

Curve Type: Linear
Weighting: None
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

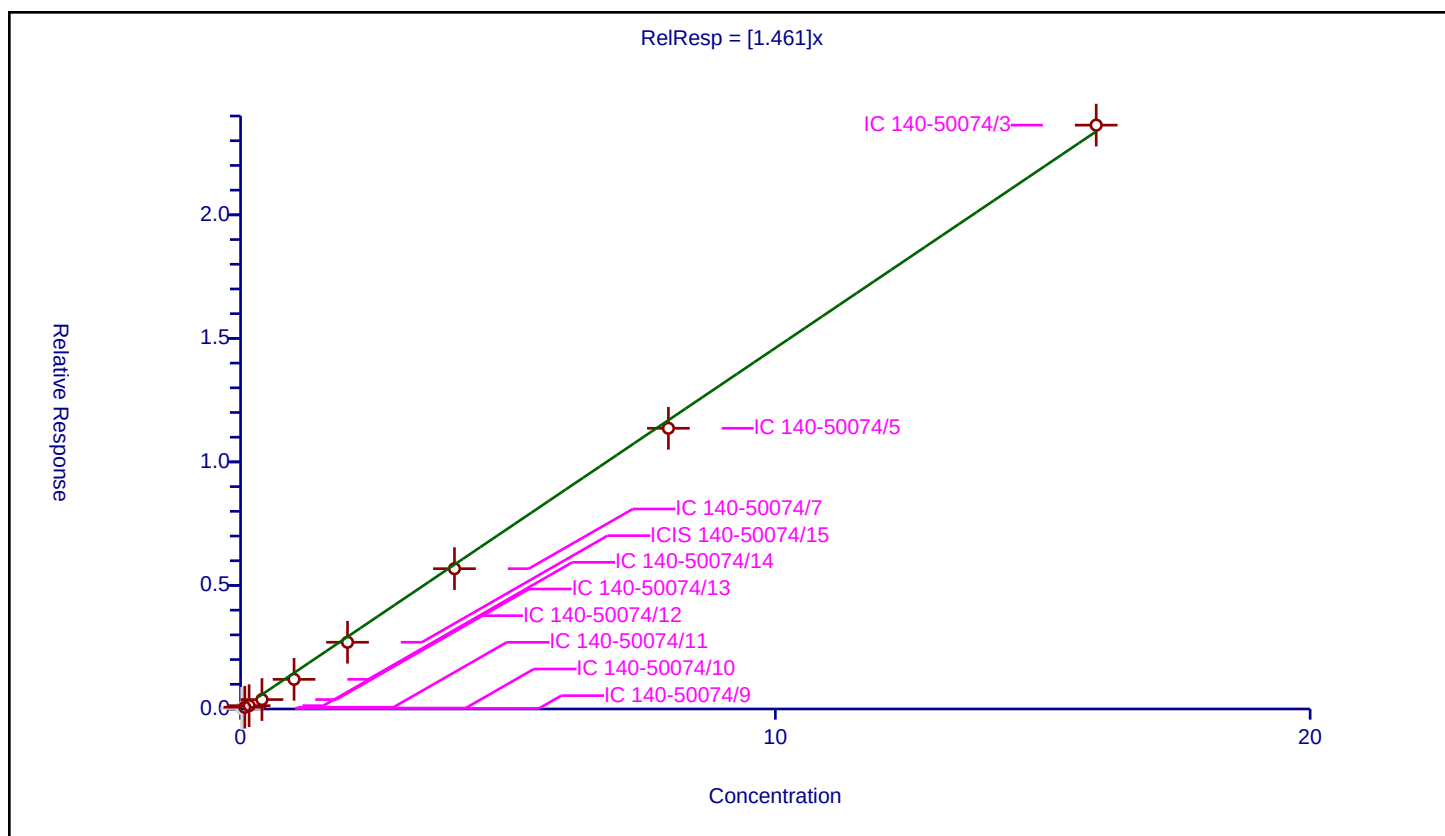
Curve Coefficients

Intercept: 0
Slope: 1.461

Error Coefficients

Standard Error: 2610000
Relative Standard Error: 26.5
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.02267	4.8	948567.0	1.133499	N
2	IC 140-50074/10	0.04	0.037267	4.8	892333.0	0.93167	N
3	IC 140-50074/11	0.08	0.071541	4.8	876448.0	0.894269	Y
4	IC 140-50074/12	0.16	0.134377	4.8	867543.0	0.839855	Y
5	IC 140-50074/13	0.4	0.382026	4.8	884245.0	0.955066	Y
6	IC 140-50074/14	1.0	1.200129	4.8	945670.0	1.200129	Y
7	ICIS 140-50074/15	2.0	2.701053	4.8	1031731.0	1.350526	Y
8	IC 140-50074/7	4.0	5.678994	4.8	1207386.0	1.419748	Y
9	IC 140-50074/5	8.0	11.361693	4.8	1330216.0	1.420212	Y
10	IC 140-50074/3	16.0	23.631191	4.8	1209824.0	1.476949	Y



Calibration

/ m-Xylene & p-Xylene

Curve Type: Linear
Weighting: None
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

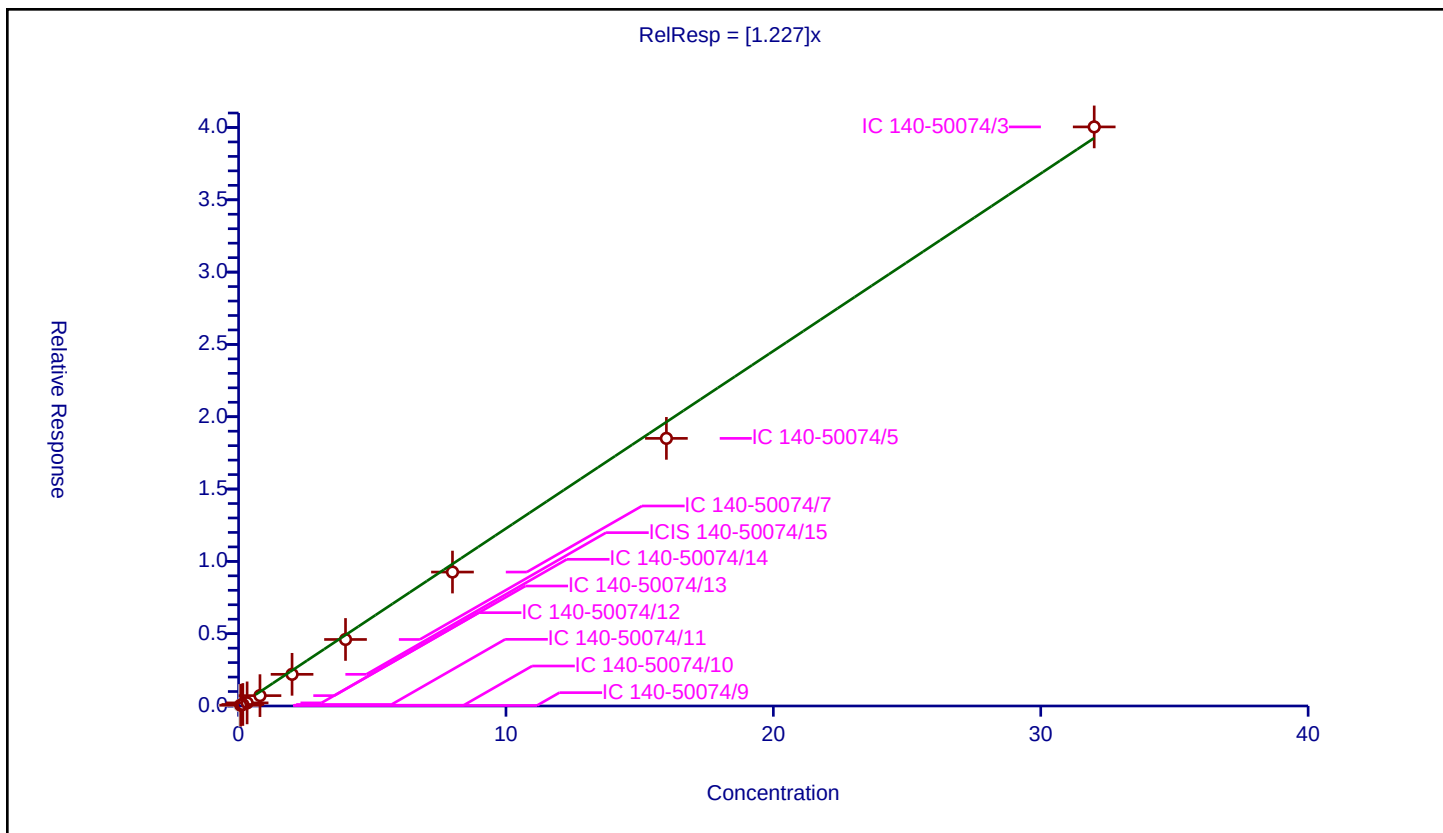
Curve Coefficients

Intercept: 0
Slope: 1.227

Error Coefficients

Standard Error: 4100000
Relative Standard Error: 30.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.04	0.035083	4.8	948567.0	0.87707	N
2	IC 140-50074/10	0.08	0.054582	4.8	892333.0	0.682279	Y
3	IC 140-50074/11	0.16	0.103257	4.8	876448.0	0.645355	Y
4	IC 140-50074/12	0.32	0.215616	4.8	867543.0	0.673799	Y
5	IC 140-50074/13	0.8	0.717168	4.8	884245.0	0.89646	Y
6	IC 140-50074/14	2.0	2.188813	4.8	945670.0	1.094406	Y
7	ICIS 140-50074/15	4.0	4.598962	4.8	1031731.0	1.14974	Y
8	IC 140-50074/7	8.0	9.260891	4.8	1207386.0	1.157611	Y
9	IC 140-50074/5	16.0	18.503687	4.8	1330216.0	1.15648	Y
10	IC 140-50074/3	32.0	40.039054	4.8	1209824.0	1.25122	Y



Calibration

/ n-Nonane

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

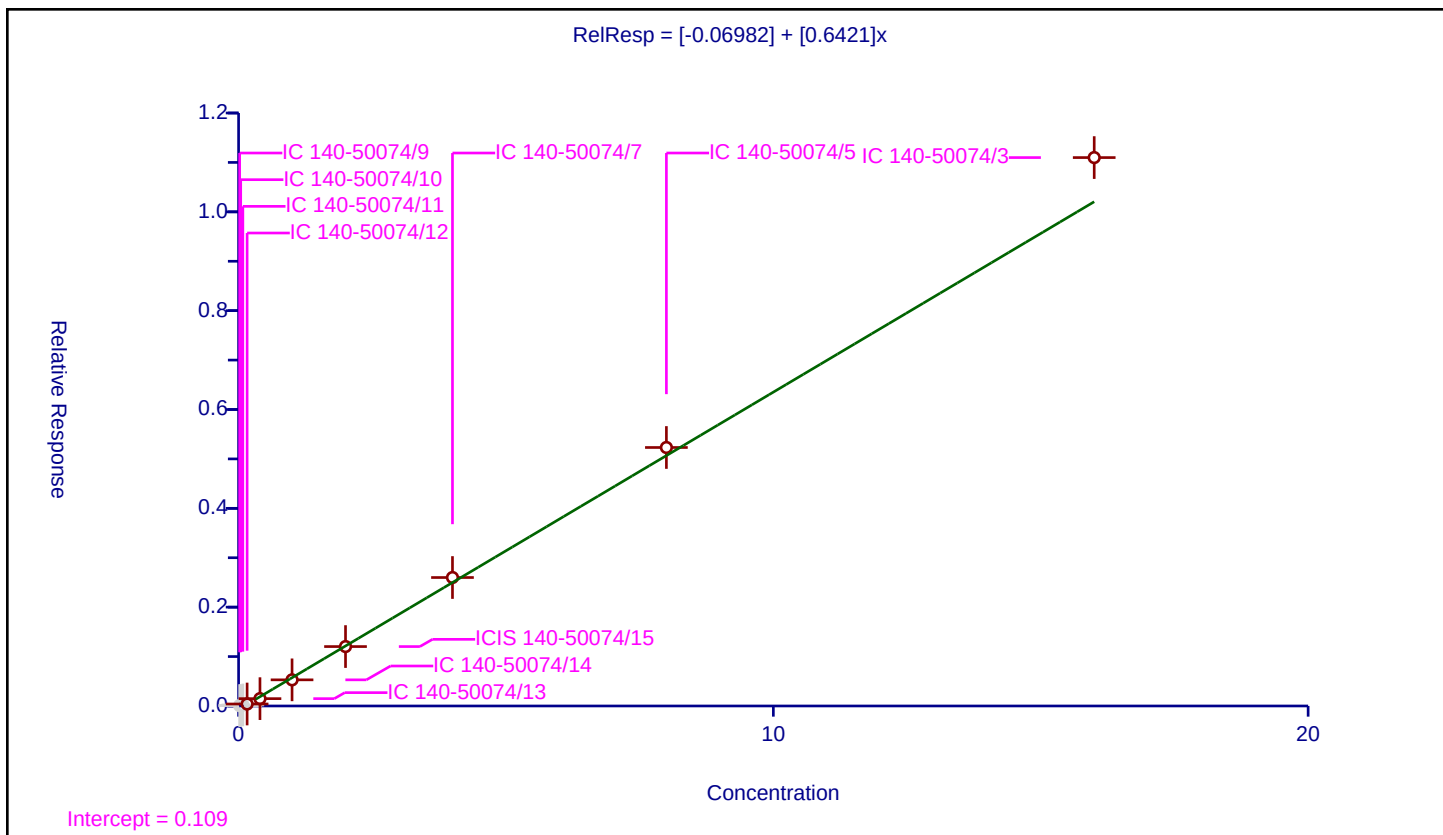
Curve Coefficients

Intercept: -0.06982
Slope: 0.6421

Error Coefficients

Standard Error: 1440000
Relative Standard Error: 9.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.008415	4.8	948567.0	0.420761	N
2	IC 140-50074/10	0.04	0.008876	4.8	892333.0	0.22189	N
3	IC 140-50074/11	0.08	0.020647	4.8	876448.0	0.258087	N
4	IC 140-50074/12	0.16	0.039958	4.8	867543.0	0.24974	Y
5	IC 140-50074/13	0.4	0.148504	4.8	884245.0	0.371259	Y
6	IC 140-50074/14	1.0	0.529007	4.8	945670.0	0.529007	Y
7	ICIS 140-50074/15	2.0	1.202755	4.8	1031731.0	0.601378	Y
8	IC 140-50074/7	4.0	2.59956	4.8	1207386.0	0.64989	Y
9	IC 140-50074/5	8.0	5.231067	4.8	1330216.0	0.653883	Y
10	IC 140-50074/3	16.0	11.098151	4.8	1209824.0	0.693634	Y



Calibration

/ Bromoform

Curve Type: Linear
 Weighting: None
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

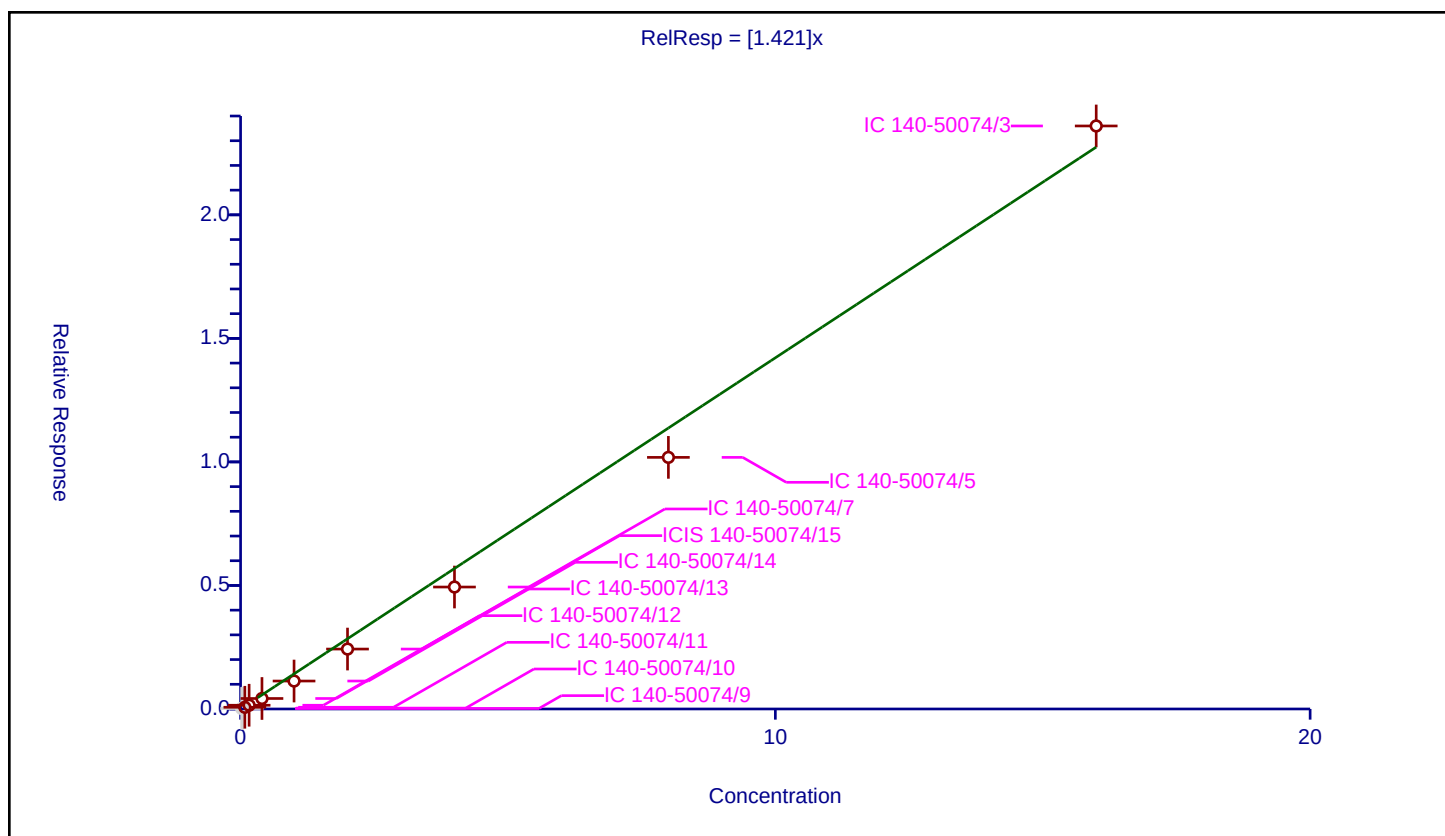
Curve Coefficients

Intercept: 0
 Slope: 1.421

Error Coefficients

Standard Error: 2540000
 Relative Standard Error: 24.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.021759	4.8	948567.0	1.087957	N
2	IC 140-50074/10	0.04	0.036412	4.8	892333.0	0.910288	N
3	IC 140-50074/11	0.08	0.069937	4.8	876448.0	0.87421	Y
4	IC 140-50074/12	0.16	0.151108	4.8	867543.0	0.944426	Y
5	IC 140-50074/13	0.4	0.424568	4.8	884245.0	1.061421	Y
6	IC 140-50074/14	1.0	1.132155	4.8	945670.0	1.132155	Y
7	ICIS 140-50074/15	2.0	2.426088	4.8	1031731.0	1.213044	Y
8	IC 140-50074/7	4.0	4.936214	4.8	1207386.0	1.234053	Y
9	IC 140-50074/5	8.0	10.18361	4.8	1330216.0	1.272951	Y
10	IC 140-50074/3	16.0	23.596888	4.8	1209824.0	1.474806	Y



Calibration

/ Styrene

Curve Type: Quadratic
 Weighting: None
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

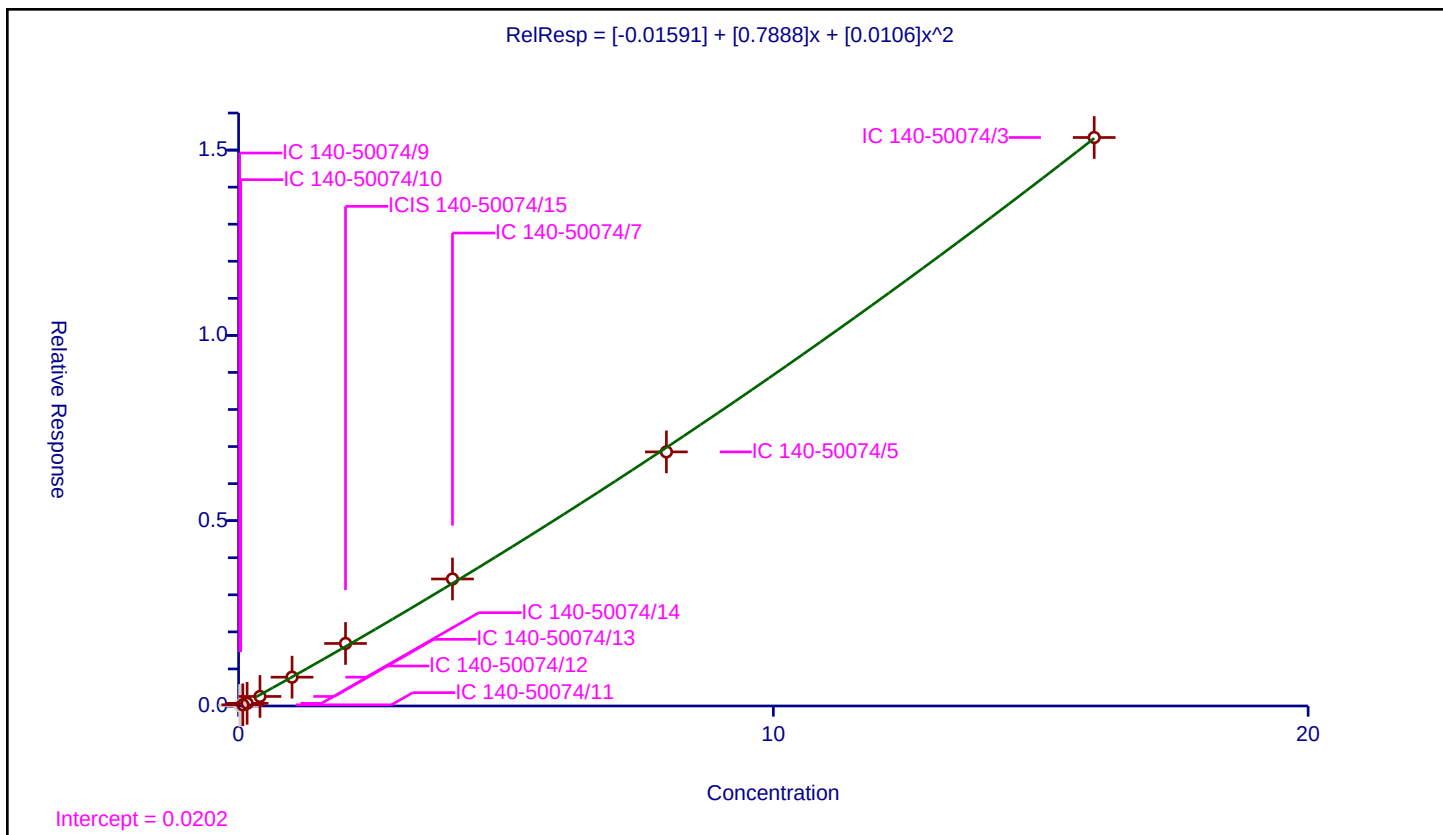
Curve Coefficients

Intercept: -0.01591
 Slope: 0.7888
 Second Order: 0.0106

Error Coefficients

Standard Error: 1970000
 Relative Standard Error: 18.7
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.012226	4.8	948567.0	0.61128	N
2	IC 140-50074/10	0.04	0.016293	4.8	892333.0	0.407337	N
3	IC 140-50074/11	0.08	0.032197	4.8	876448.0	0.402465	Y
4	IC 140-50074/12	0.16	0.071651	4.8	867543.0	0.447816	Y
5	IC 140-50074/13	0.4	0.257549	4.8	884245.0	0.643871	Y
6	IC 140-50074/14	1.0	0.777105	4.8	945670.0	0.777105	Y
7	ICIS 140-50074/15	2.0	1.686691	4.8	1031731.0	0.843345	Y
8	IC 140-50074/7	4.0	3.42645	4.8	1207386.0	0.856613	Y
9	IC 140-50074/5	8.0	6.856091	4.8	1330216.0	0.857011	Y
10	IC 140-50074/3	16.0	15.339417	4.8	1209824.0	0.958714	Y



Calibration

/ o-Xylene

Curve Type: Linear
 Weighting: None
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

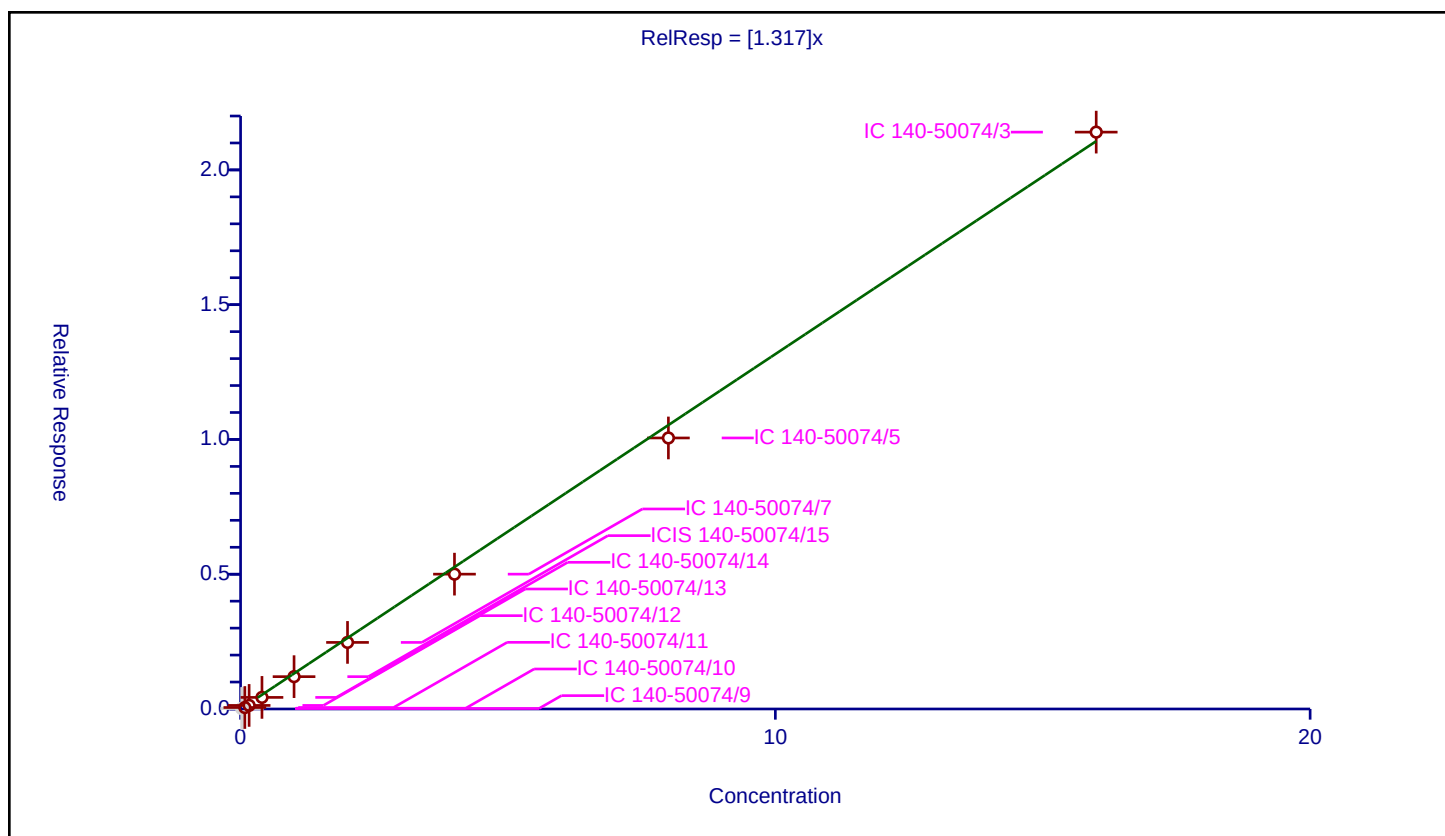
Curve Coefficients

Intercept: 0
 Slope: 1.317

Error Coefficients

Standard Error: 2350000
 Relative Standard Error: 24.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.018212	4.8	948567.0	0.910595	N
2	IC 140-50074/10	0.04	0.028811	4.8	892333.0	0.720269	N
3	IC 140-50074/11	0.08	0.055347	4.8	876448.0	0.691838	Y
4	IC 140-50074/12	0.16	0.132501	4.8	867543.0	0.828132	Y
5	IC 140-50074/13	0.4	0.429866	4.8	884245.0	1.074666	Y
6	IC 140-50074/14	1.0	1.199485	4.8	945670.0	1.199485	Y
7	ICIS 140-50074/15	2.0	2.470356	4.8	1031731.0	1.235178	Y
8	IC 140-50074/7	4.0	5.00309	4.8	1207386.0	1.250772	Y
9	IC 140-50074/5	8.0	10.05558	4.8	1330216.0	1.256945	Y
10	IC 140-50074/3	16.0	21.402866	4.8	1209824.0	1.337679	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

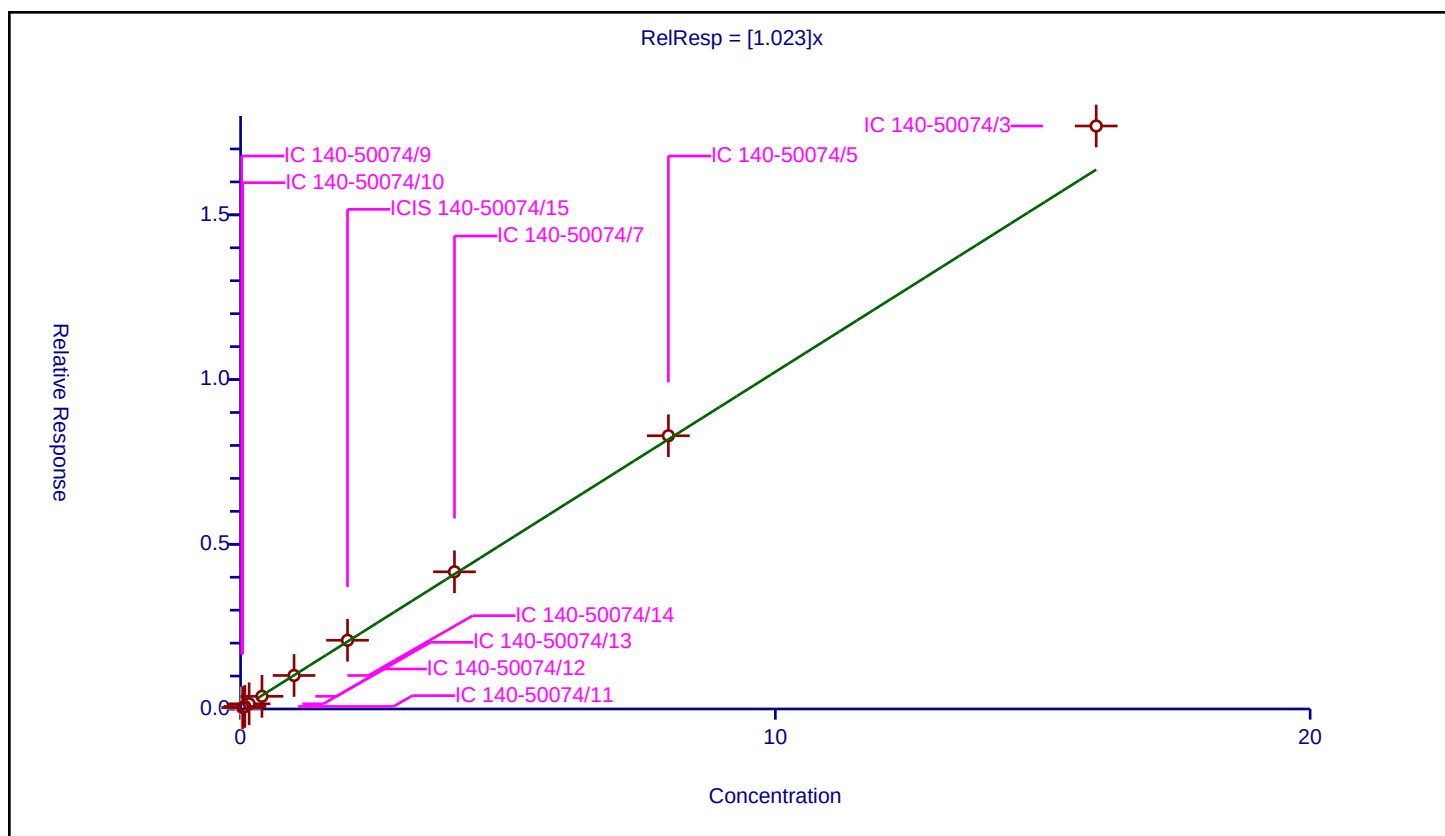
Curve Coefficients

Intercept: 0
 Slope: 1.023

Error Coefficients

Standard Error: 1820000
 Relative Standard Error: 4.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.026561	4.8	948567.0	1.328066	N
2	IC 140-50074/10	0.04	0.042173	4.8	892333.0	1.054315	Y
3	IC 140-50074/11	0.08	0.077319	4.8	876448.0	0.966492	Y
4	IC 140-50074/12	0.16	0.157172	4.8	867543.0	0.982326	Y
5	IC 140-50074/13	0.4	0.384833	4.8	884245.0	0.962082	Y
6	IC 140-50074/14	1.0	1.017412	4.8	945670.0	1.017412	Y
7	ICIS 140-50074/15	2.0	2.086214	4.8	1031731.0	1.043107	Y
8	IC 140-50074/7	4.0	4.16475	4.8	1207386.0	1.041187	Y
9	IC 140-50074/5	8.0	8.294619	4.8	1330216.0	1.036827	Y
10	IC 140-50074/3	16.0	17.696929	4.8	1209824.0	1.106058	Y



Calibration

/ 1,2,3-Trichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

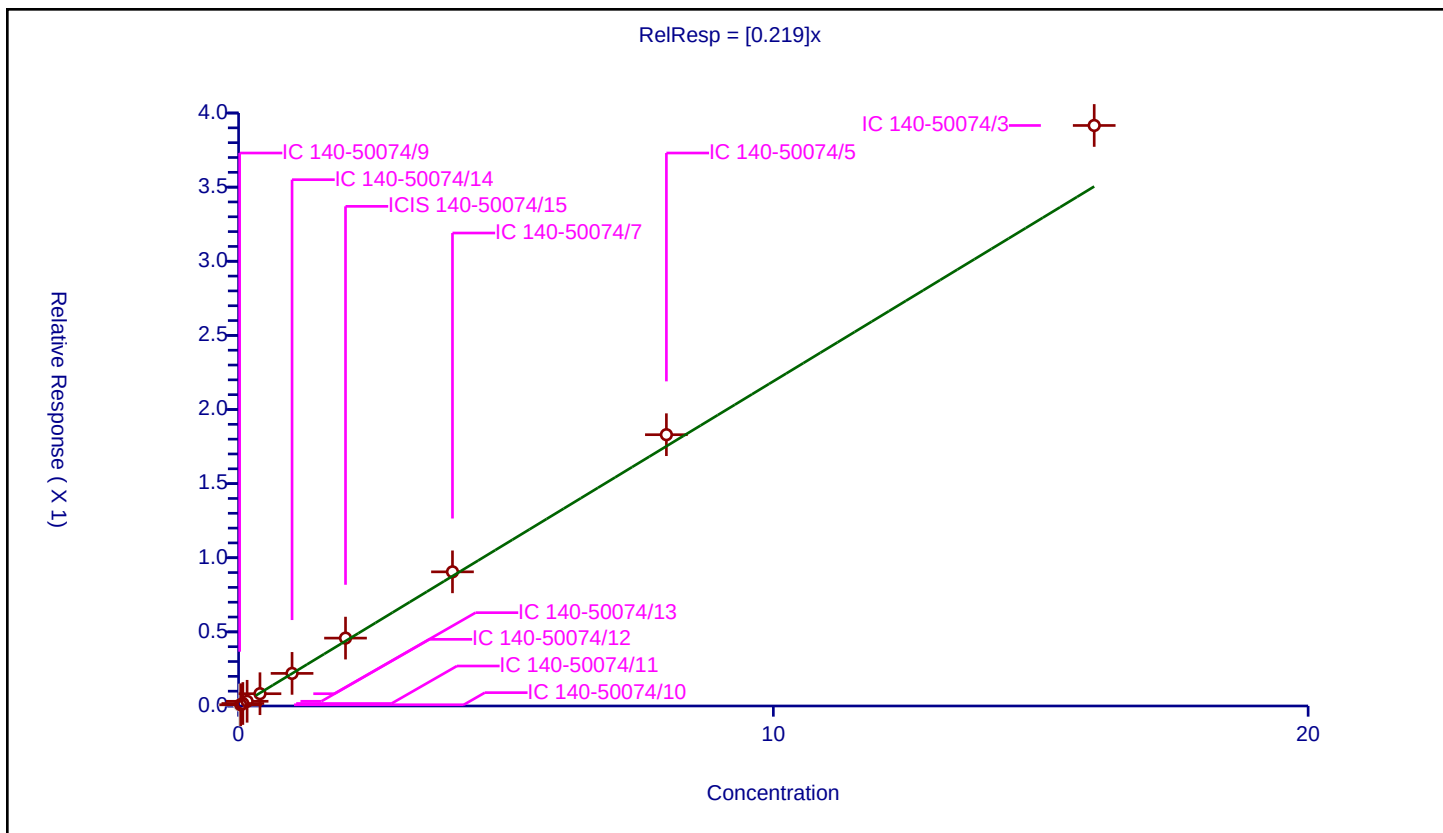
Curve Coefficients

Intercept: 0
 Slope: 0.219

Error Coefficients

Standard Error: 402000
 Relative Standard Error: 6.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.006401	4.8	948567.0	0.320062	N
2	IC 140-50074/10	0.04	0.008327	4.8	892333.0	0.208173	Y
3	IC 140-50074/11	0.08	0.016759	4.8	876448.0	0.209482	Y
4	IC 140-50074/12	0.16	0.031665	4.8	867543.0	0.197904	Y
5	IC 140-50074/13	0.4	0.082853	4.8	884245.0	0.207133	Y
6	IC 140-50074/14	1.0	0.219837	4.8	945670.0	0.219837	Y
7	ICIS 140-50074/15	2.0	0.457817	4.8	1031731.0	0.228909	Y
8	IC 140-50074/7	4.0	0.904918	4.8	1207386.0	0.22623	Y
9	IC 140-50074/5	8.0	1.83012	4.8	1330216.0	0.228765	Y
10	IC 140-50074/3	16.0	3.916064	4.8	1209824.0	0.244754	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

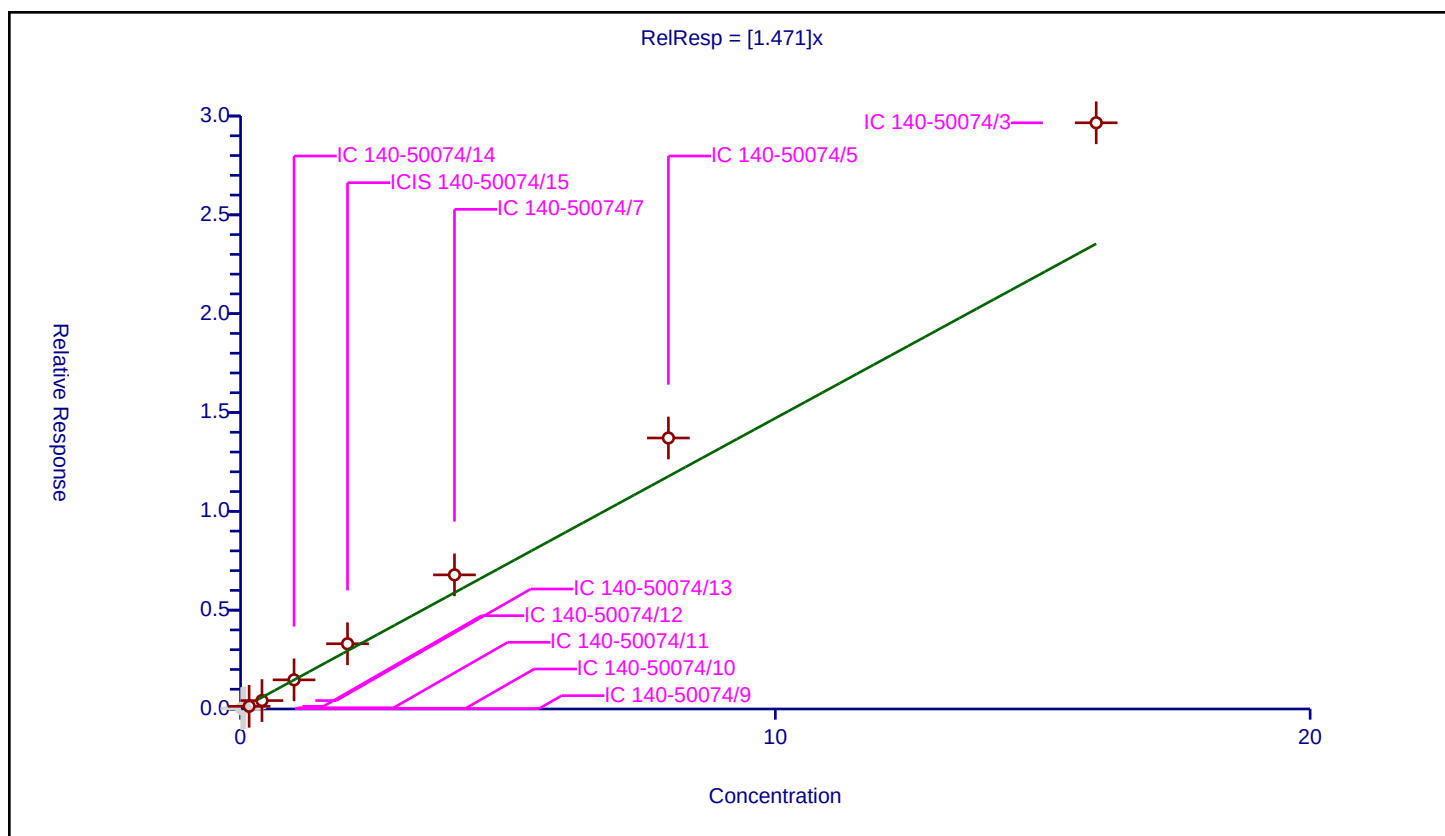
Curve Coefficients

Intercept: 0
 Slope: 1.471

Error Coefficients

Standard Error: 3510000
 Relative Standard Error: 25.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.937

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.018004	4.8	948567.0	0.900221	N
2	IC 140-50074/10	0.04	0.037105	4.8	892333.0	0.927636	N
3	IC 140-50074/11	0.08	0.060583	4.8	876448.0	0.757284	N
4	IC 140-50074/12	0.16	0.135588	4.8	867543.0	0.847428	Y
5	IC 140-50074/13	0.4	0.42522	4.8	884245.0	1.063049	Y
6	IC 140-50074/14	1.0	1.473358	4.8	945670.0	1.473358	Y
7	ICIS 140-50074/15	2.0	3.300307	4.8	1031731.0	1.650153	Y
8	IC 140-50074/7	4.0	6.785607	4.8	1207386.0	1.696402	Y
9	IC 140-50074/5	8.0	13.710323	4.8	1330216.0	1.71379	Y
10	IC 140-50074/3	16.0	29.657583	4.8	1209824.0	1.853599	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

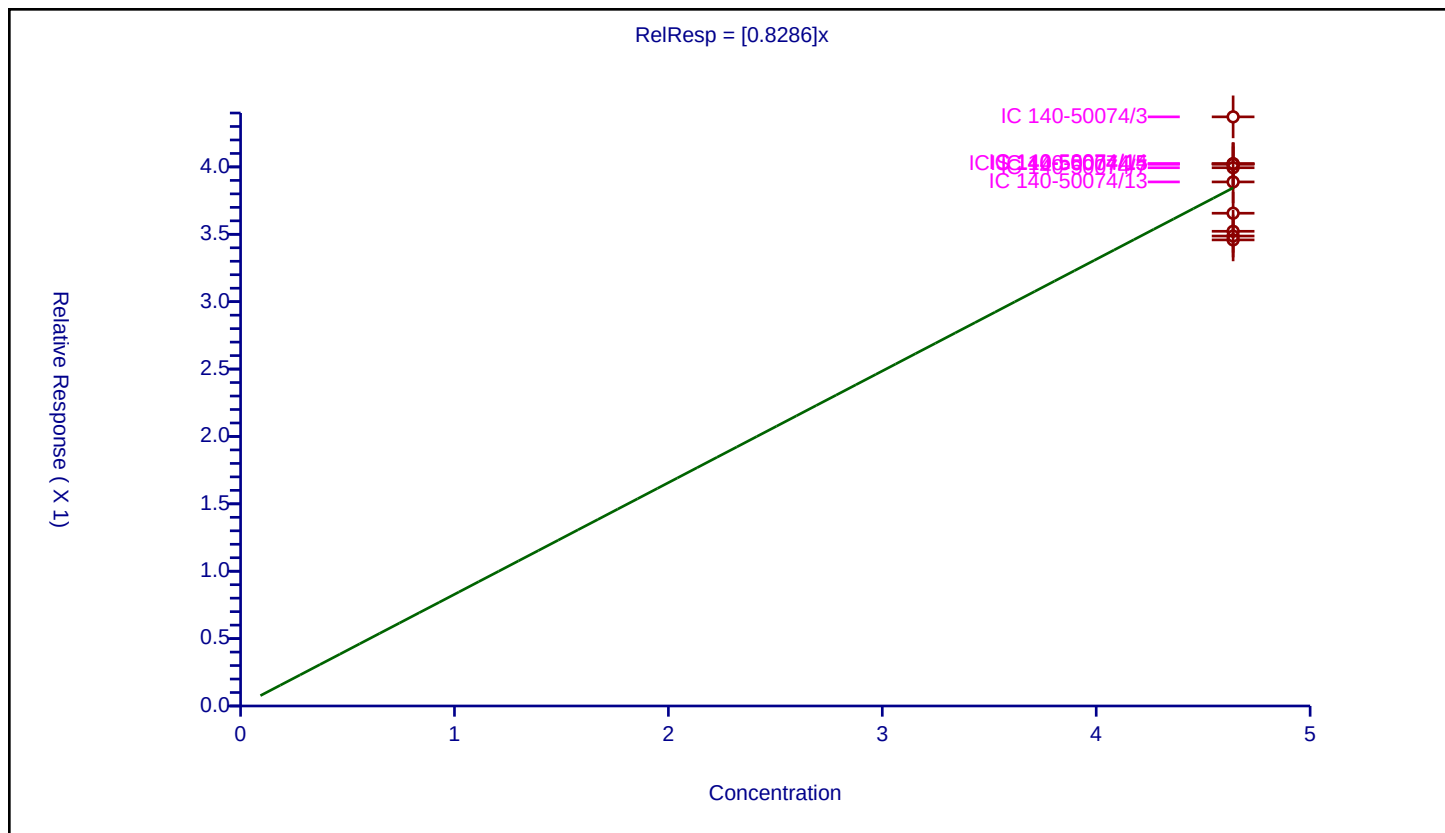
Curve Coefficients

Intercept: 0
 Slope: 0.8286

Error Coefficients

Standard Error: 888000
 Relative Standard Error: 7.8
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/3	4.64	4.371571	4.8	1209824.0	0.942149	Y
2	IC 140-50074/5	4.64	4.019795	4.8	1330216.0	0.866335	Y
3	IC 140-50074/7	4.64	3.993917	4.8	1207386.0	0.860758	Y
4	IC 140-50074/9	4.64	3.458473	4.8	948567.0	0.745361	Y
5	IC 140-50074/10	4.64	3.487308	4.8	892333.0	0.751575	Y
6	IC 140-50074/11	4.64	3.522445	4.8	876448.0	0.759148	Y
7	IC 140-50074/12	4.64	3.656307	4.8	867543.0	0.787997	Y
8	IC 140-50074/13	4.64	3.8886	4.8	884245.0	0.83806	Y
9	IC 140-50074/14	4.64	4.024423	4.8	945670.0	0.867333	Y
10	ICIS 140-50074/15	4.64	4.022835	4.8	1031731.0	0.86699	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

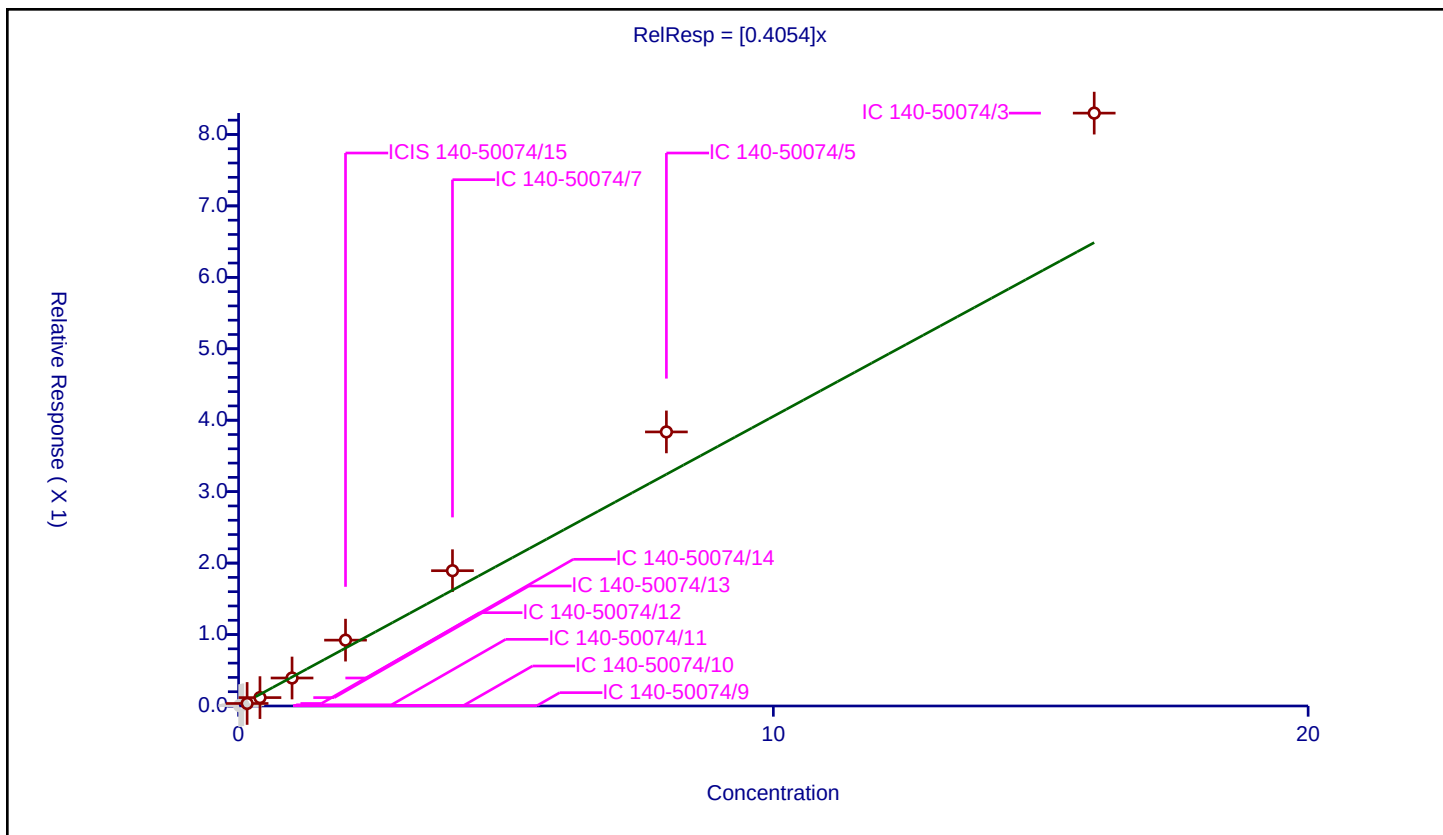
Curve Coefficients

Intercept: 0
 Slope: 0.4054

Error Coefficients

Standard Error: 981000
 Relative Standard Error: 27.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.930

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.004964	4.8	948567.0	0.248206	N
2	IC 140-50074/10	0.04	0.008214	4.8	892333.0	0.205349	N
3	IC 140-50074/11	0.08	0.016665	4.8	876448.0	0.208318	N
4	IC 140-50074/12	0.16	0.035283	4.8	867543.0	0.220519	Y
5	IC 140-50074/13	0.4	0.117204	4.8	884245.0	0.293009	Y
6	IC 140-50074/14	1.0	0.391768	4.8	945670.0	0.391768	Y
7	ICIS 140-50074/15	2.0	0.921733	4.8	1031731.0	0.460867	Y
8	IC 140-50074/7	4.0	1.89382	4.8	1207386.0	0.473455	Y
9	IC 140-50074/5	8.0	3.836201	4.8	1330216.0	0.479525	Y
10	IC 140-50074/3	16.0	8.298439	4.8	1209824.0	0.518652	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

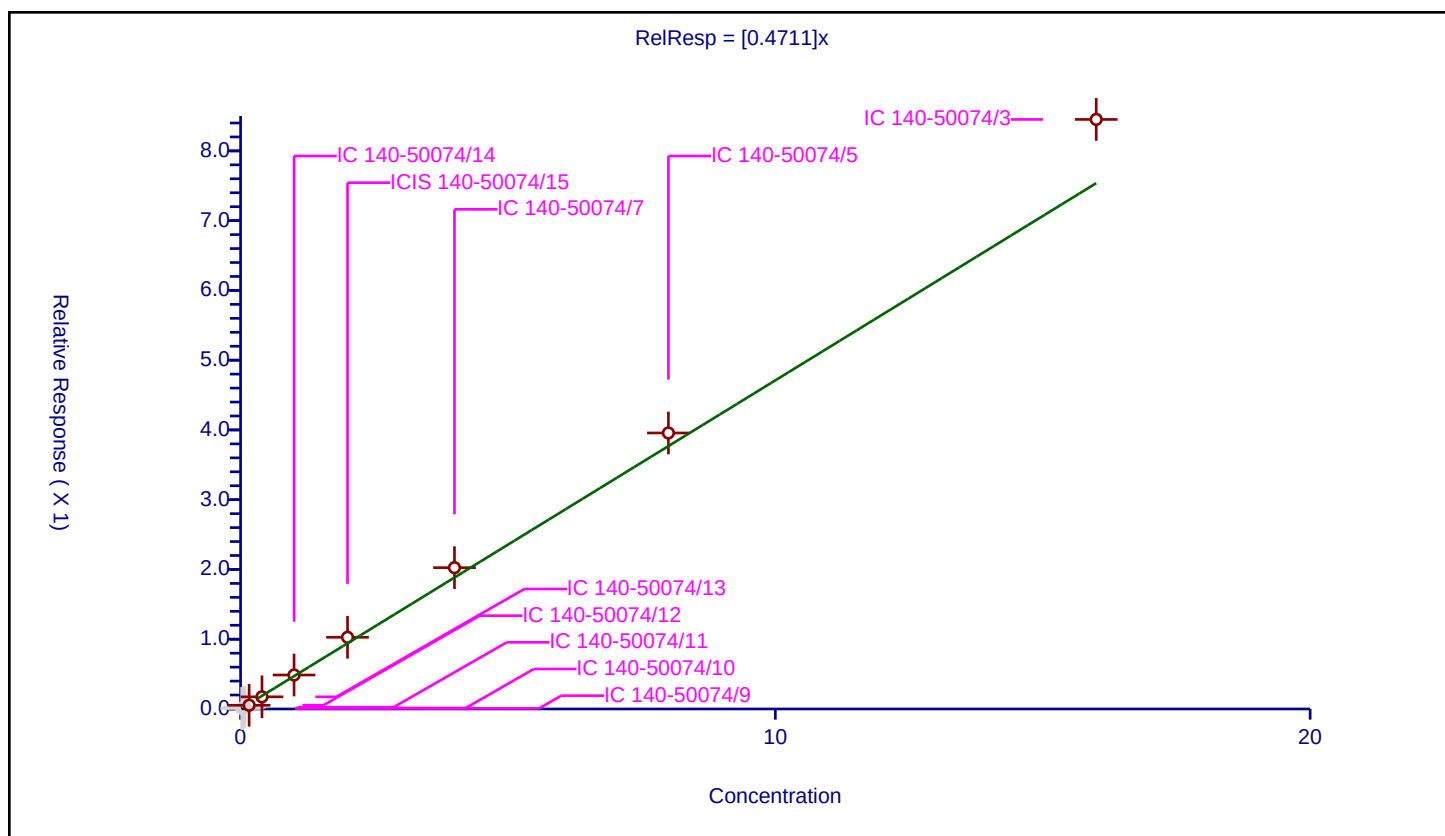
Curve Coefficients

Intercept: 0
 Slope: 0.4711

Error Coefficients

Standard Error: 1000000
 Relative Standard Error: 14.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.008112	4.8	948567.0	0.40558	N
2	IC 140-50074/10	0.04	0.014066	4.8	892333.0	0.351662	N
3	IC 140-50074/11	0.08	0.024864	4.8	876448.0	0.3108	N
4	IC 140-50074/12	0.16	0.053143	4.8	867543.0	0.332145	Y
5	IC 140-50074/13	0.4	0.174039	4.8	884245.0	0.435097	Y
6	IC 140-50074/14	1.0	0.487121	4.8	945670.0	0.487121	Y
7	ICIS 140-50074/15	2.0	1.028082	4.8	1031731.0	0.514041	Y
8	IC 140-50074/7	4.0	2.025577	4.8	1207386.0	0.506394	Y
9	IC 140-50074/5	8.0	3.956384	4.8	1330216.0	0.494548	Y
10	IC 140-50074/3	16.0	8.451217	4.8	1209824.0	0.528201	Y



Calibration

/ 4-Ethyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

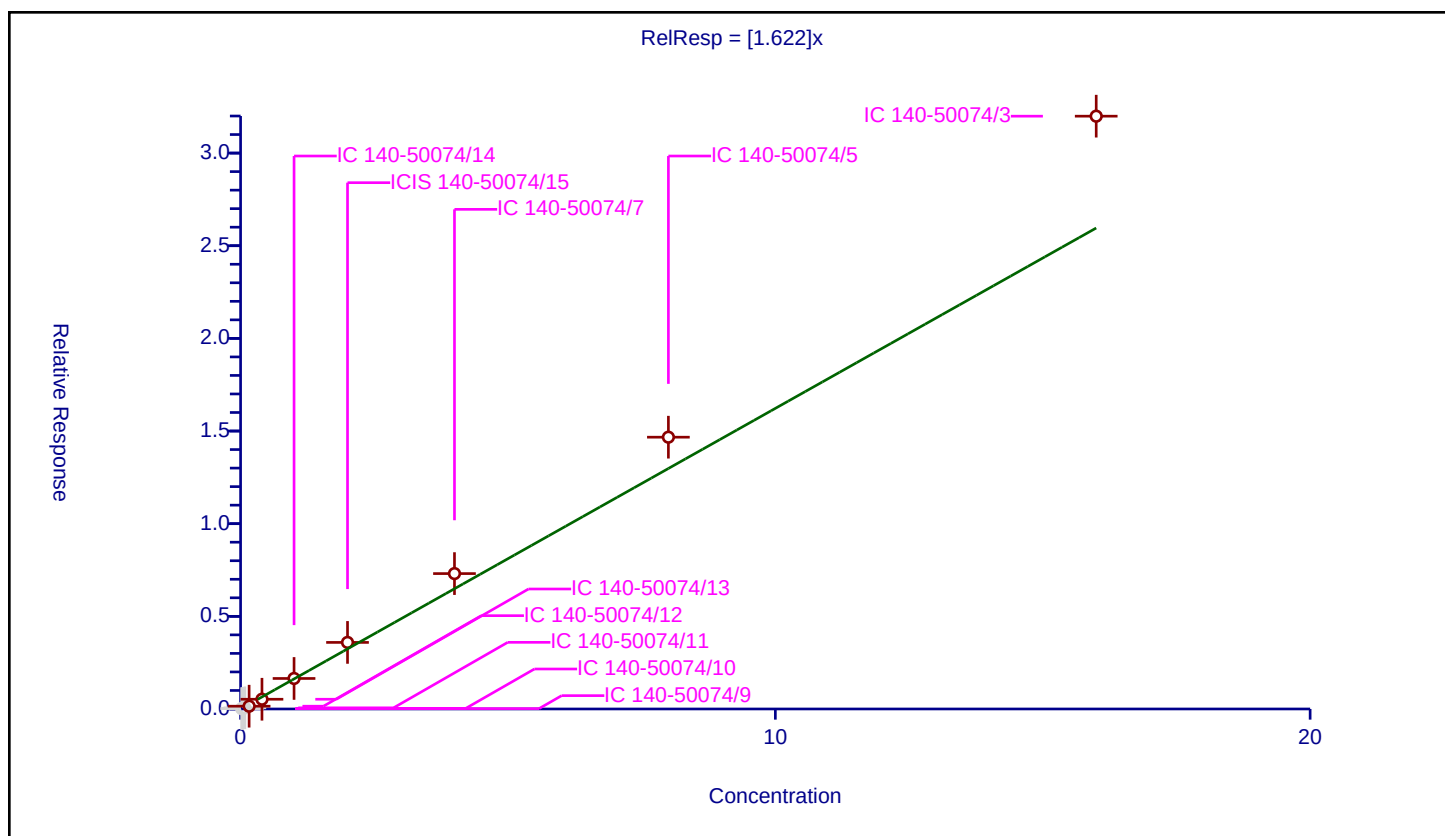
Curve Coefficients

Intercept: 0
Slope: 1.622

Error Coefficients

Standard Error: 3780000
Relative Standard Error: 22.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.948

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.020246	4.8	948567.0	1.012306	N
2	IC 140-50074/10	0.04	0.033216	4.8	892333.0	0.830407	N
3	IC 140-50074/11	0.08	0.062856	4.8	876448.0	0.785694	N
4	IC 140-50074/12	0.16	0.15045	4.8	867543.0	0.940311	Y
5	IC 140-50074/13	0.4	0.525264	4.8	884245.0	1.313161	Y
6	IC 140-50074/14	1.0	1.646467	4.8	945670.0	1.646467	Y
7	ICIS 140-50074/15	2.0	3.592169	4.8	1031731.0	1.796084	Y
8	IC 140-50074/7	4.0	7.307041	4.8	1207386.0	1.82676	Y
9	IC 140-50074/5	8.0	14.668352	4.8	1330216.0	1.833544	Y
10	IC 140-50074/3	16.0	31.99081	4.8	1209824.0	1.999426	Y



Calibration

/ 1,3,5-Trimethylbenzene

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

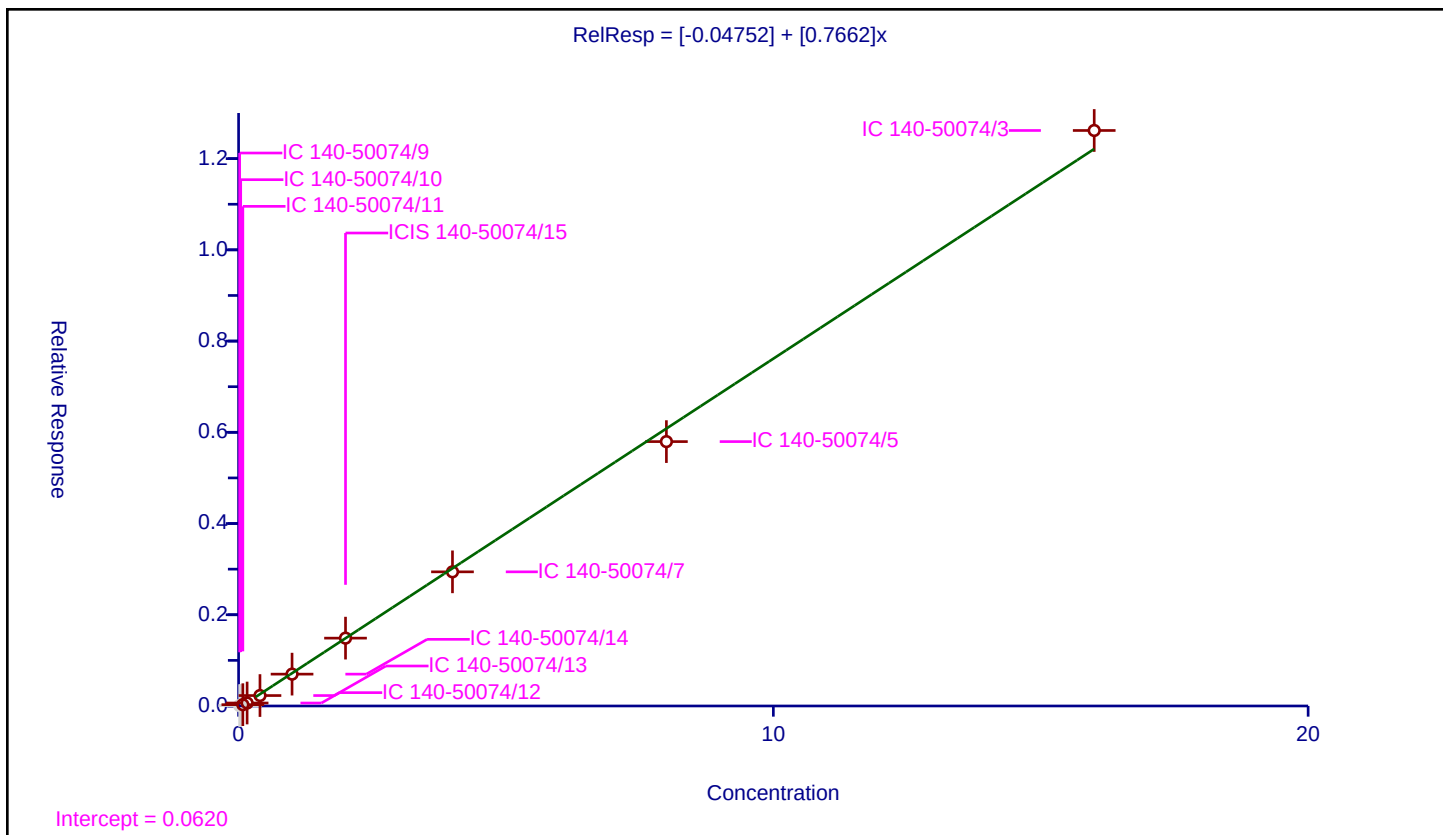
Curve Coefficients

Intercept: -0.04752
 Slope: 0.7662

Error Coefficients

Standard Error: 1490000
 Relative Standard Error: 11.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.008466	4.8	948567.0	0.423291	N
2	IC 140-50074/10	0.04	0.01262	4.8	892333.0	0.315488	N
3	IC 140-50074/11	0.08	0.028698	4.8	876448.0	0.358721	Y
4	IC 140-50074/12	0.16	0.065155	4.8	867543.0	0.407219	Y
5	IC 140-50074/13	0.4	0.228648	4.8	884245.0	0.57162	Y
6	IC 140-50074/14	1.0	0.69806	4.8	945670.0	0.69806	Y
7	ICIS 140-50074/15	2.0	1.487774	4.8	1031731.0	0.743887	Y
8	IC 140-50074/7	4.0	2.940982	4.8	1207386.0	0.735246	Y
9	IC 140-50074/5	8.0	5.796048	4.8	1330216.0	0.724506	Y
10	IC 140-50074/3	16.0	12.617195	4.8	1209824.0	0.788575	Y



Calibration

/ Alpha Methyl Styrene

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

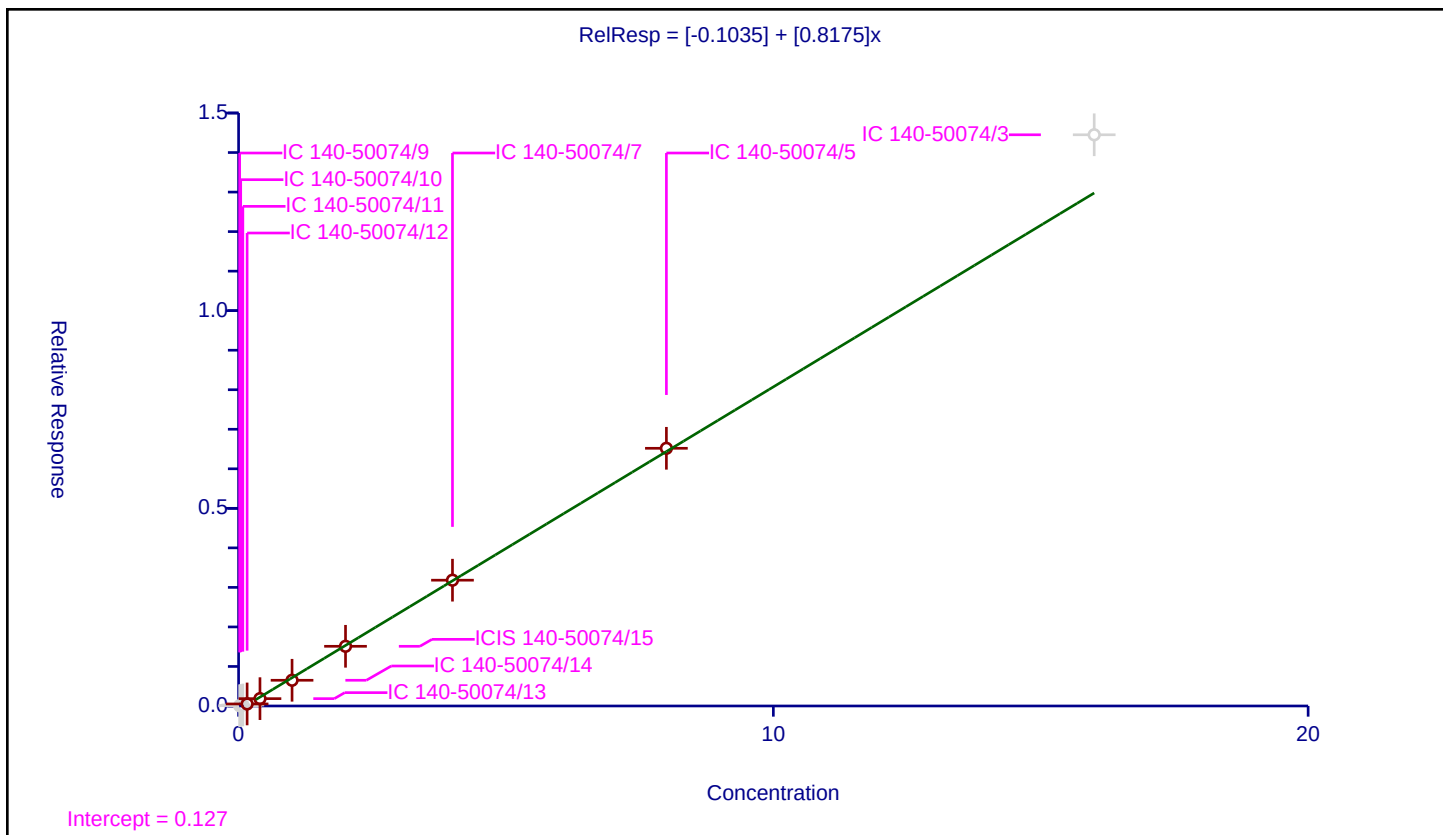
Curve Coefficients

Intercept: -0.1035
 Slope: 0.8175

Error Coefficients

Standard Error: 1000000
 Relative Standard Error: 11.7
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.006113	4.8	948567.0	0.30564	N
2	IC 140-50074/10	0.04	0.011635	4.8	892333.0	0.290878	N
3	IC 140-50074/11	0.08	0.025488	4.8	876448.0	0.318604	N
4	IC 140-50074/12	0.16	0.051909	4.8	867543.0	0.324433	Y
5	IC 140-50074/13	0.4	0.186052	4.8	884245.0	0.465129	Y
6	IC 140-50074/14	1.0	0.650713	4.8	945670.0	0.650713	Y
7	ICIS 140-50074/15	2.0	1.510198	4.8	1031731.0	0.755099	Y
8	IC 140-50074/7	4.0	3.18238	4.8	1207386.0	0.795595	Y
9	IC 140-50074/5	8.0	6.518489	4.8	1330216.0	0.814811	Y
10	IC 140-50074/3	16.0	14.449499	4.8	1209824.0	0.903094	N



Calibration

/ n-Decane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

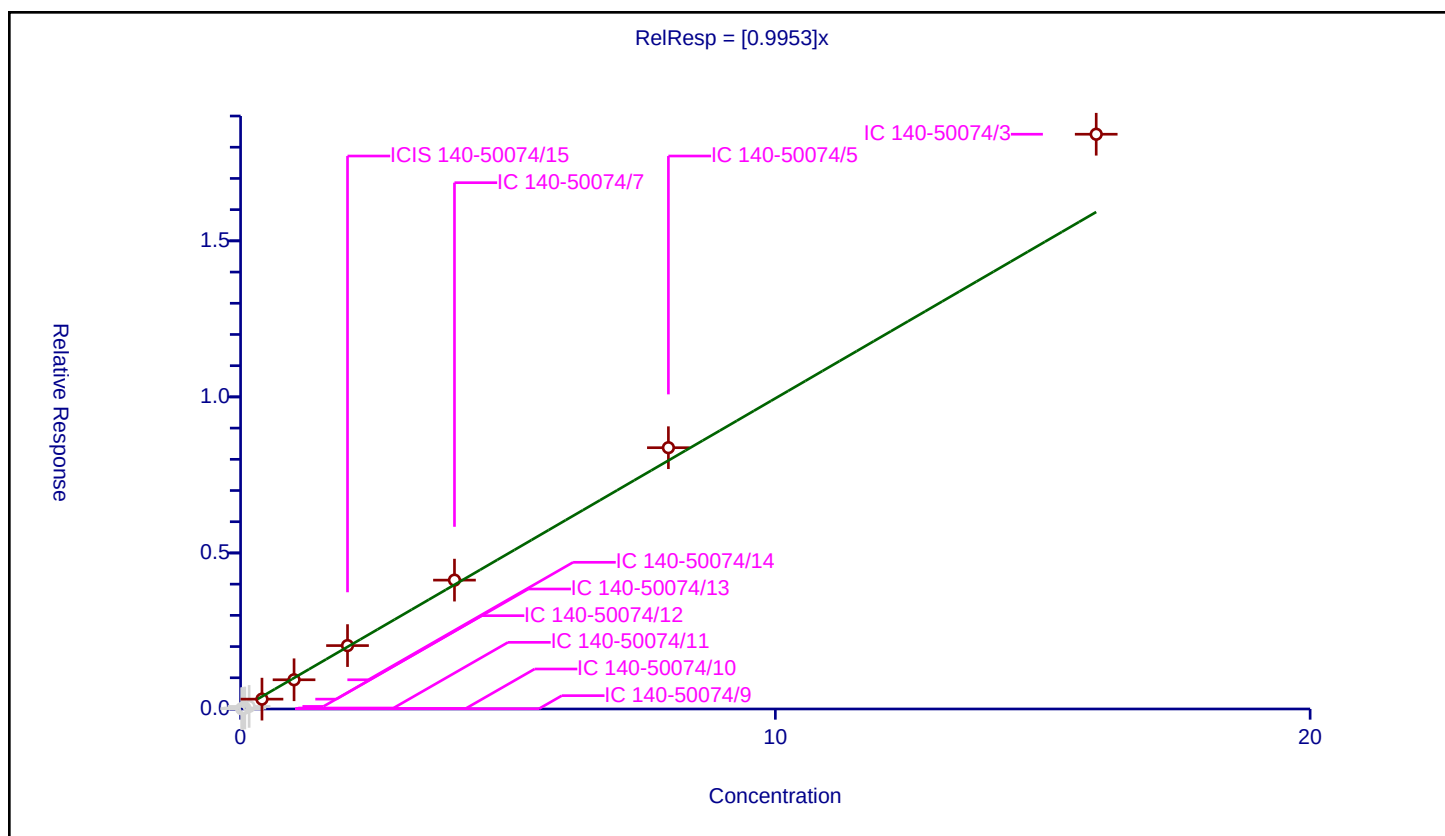
Curve Coefficients

Intercept: 0
 Slope: 0.9953

Error Coefficients

Standard Error: 2380000
 Relative Standard Error: 12.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.008724	4.8	948567.0	0.436195	N
2	IC 140-50074/10	0.04	0.015567	4.8	892333.0	0.389182	N
3	IC 140-50074/11	0.08	0.031485	4.8	876448.0	0.393566	N
4	IC 140-50074/12	0.16	0.082722	4.8	867543.0	0.517012	N
5	IC 140-50074/13	0.4	0.315882	4.8	884245.0	0.789704	Y
6	IC 140-50074/14	1.0	0.936261	4.8	945670.0	0.936261	Y
7	ICIS 140-50074/15	2.0	2.031748	4.8	1031731.0	1.015874	Y
8	IC 140-50074/7	4.0	4.129237	4.8	1207386.0	1.032309	Y
9	IC 140-50074/5	8.0	8.372695	4.8	1330216.0	1.046587	Y
10	IC 140-50074/3	16.0	18.41649	4.8	1209824.0	1.151031	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

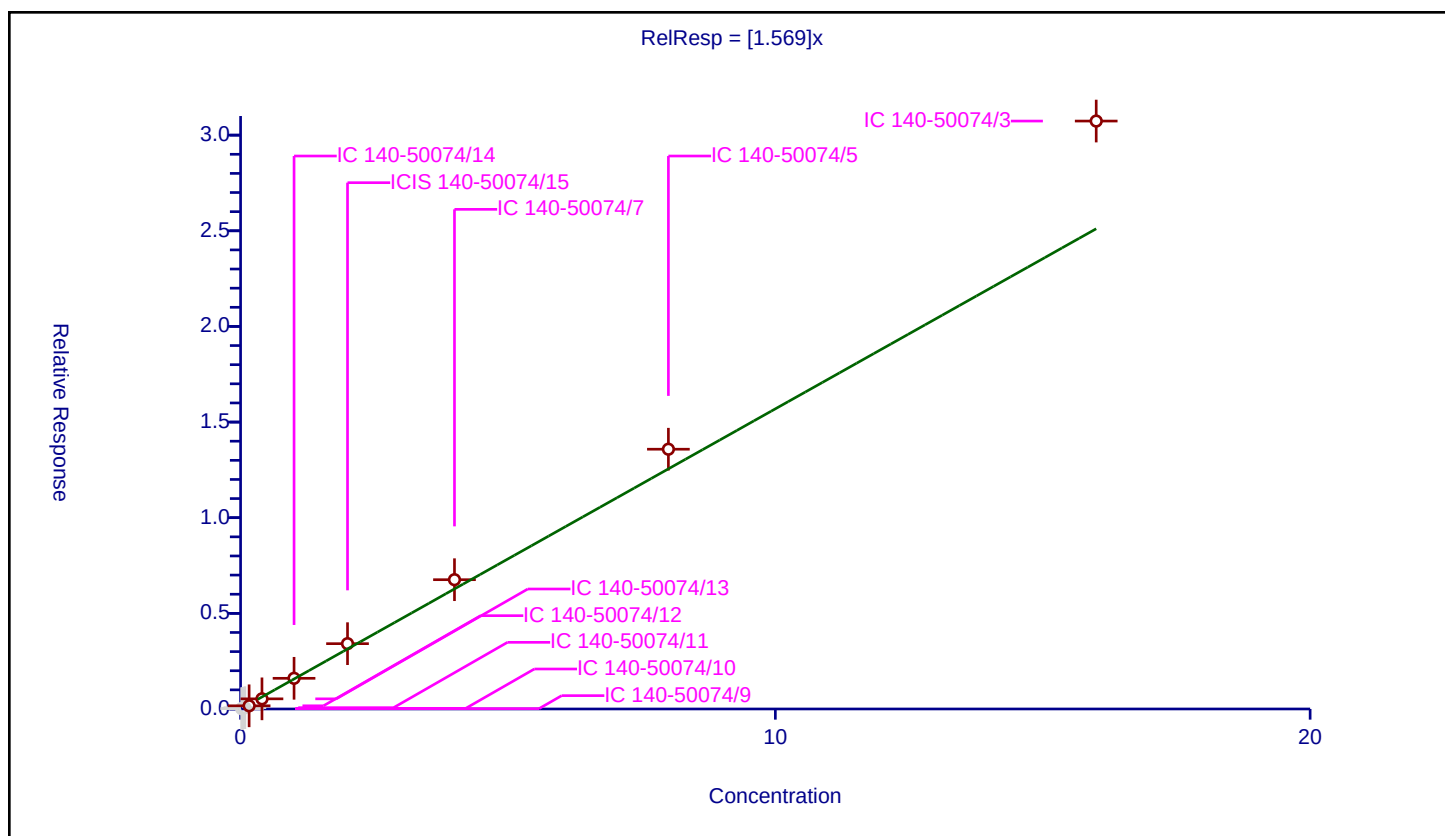
Curve Coefficients

Intercept: 0
 Slope: 1.569

Error Coefficients

Standard Error: 3600000
 Relative Standard Error: 18.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.019138	4.8	948567.0	0.956896	N
2	IC 140-50074/10	0.04	0.034136	4.8	892333.0	0.853403	N
3	IC 140-50074/11	0.08	0.068305	4.8	876448.0	0.85381	N
4	IC 140-50074/12	0.16	0.166075	4.8	867543.0	1.037966	Y
5	IC 140-50074/13	0.4	0.530199	4.8	884245.0	1.325497	Y
6	IC 140-50074/14	1.0	1.604034	4.8	945670.0	1.604034	Y
7	ICIS 140-50074/15	2.0	3.415514	4.8	1031731.0	1.707757	Y
8	IC 140-50074/7	4.0	6.759428	4.8	1207386.0	1.689857	Y
9	IC 140-50074/5	8.0	13.580524	4.8	1330216.0	1.697566	Y
10	IC 140-50074/3	16.0	30.735836	4.8	1209824.0	1.92099	Y



Calibration

/ 1,2,4-Trimethylbenzene

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

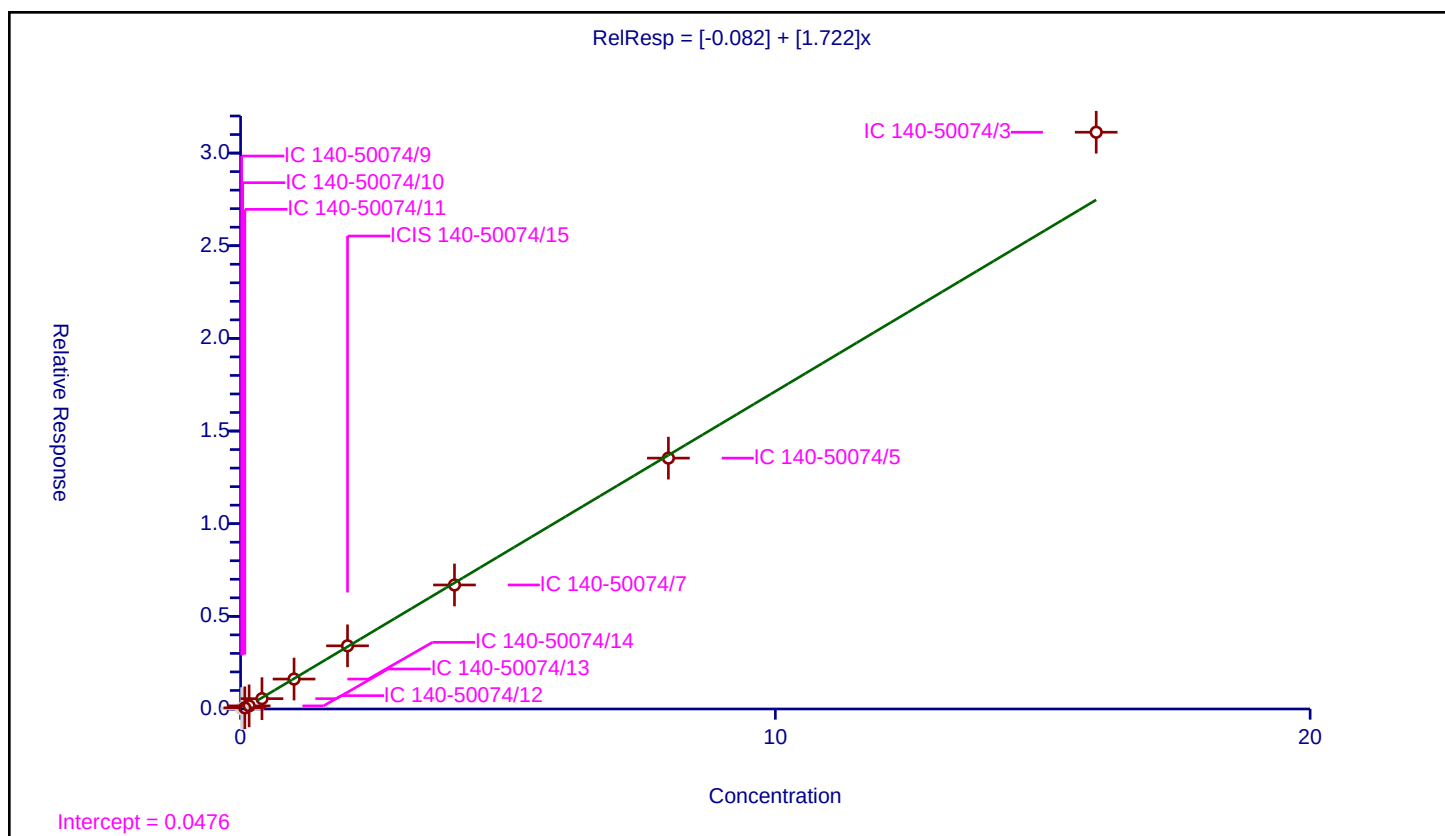
Curve Coefficients

Intercept: -0.082
Slope: 1.722

Error Coefficients

Standard Error: 3630000
Relative Standard Error: 7.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.01683	4.8	948567.0	0.841522	N
2	IC 140-50074/10	0.04	0.027509	4.8	892333.0	0.687725	N
3	IC 140-50074/11	0.08	0.064263	4.8	876448.0	0.803288	Y
4	IC 140-50074/12	0.16	0.167718	4.8	867543.0	1.048236	Y
5	IC 140-50074/13	0.4	0.558063	4.8	884245.0	1.395156	Y
6	IC 140-50074/14	1.0	1.615713	4.8	945670.0	1.615713	Y
7	ICIS 140-50074/15	2.0	3.408521	4.8	1031731.0	1.704261	Y
8	IC 140-50074/7	4.0	6.692146	4.8	1207386.0	1.673036	Y
9	IC 140-50074/5	8.0	13.538453	4.8	1330216.0	1.692307	Y
10	IC 140-50074/3	16.0	31.125661	4.8	1209824.0	1.945354	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

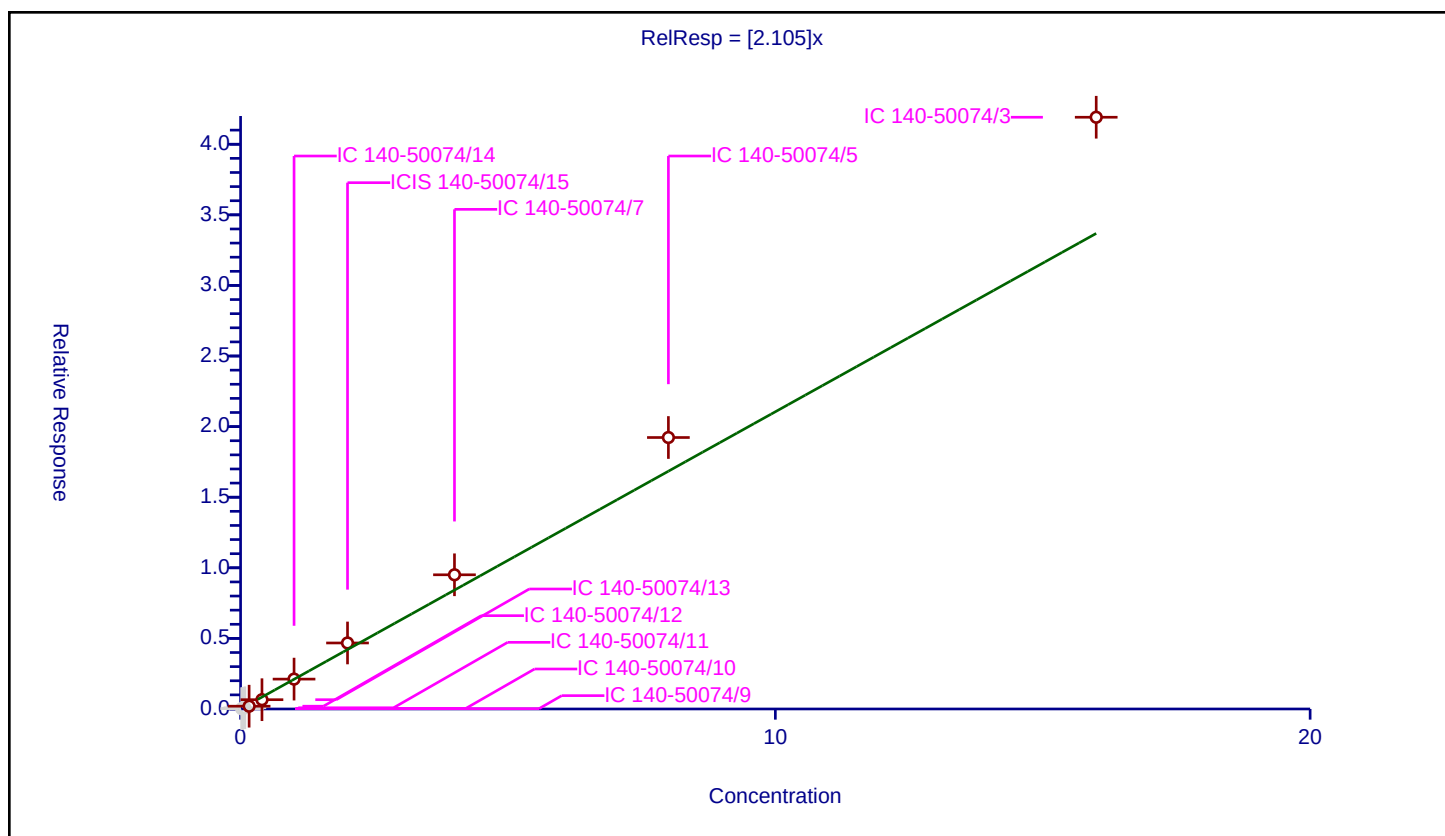
Curve Coefficients

Intercept: 0
 Slope: 2.105

Error Coefficients

Standard Error: 4950000
 Relative Standard Error: 23.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.946

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.023925	4.8	948567.0	1.196247	N
2	IC 140-50074/10	0.04	0.038472	4.8	892333.0	0.961793	N
3	IC 140-50074/11	0.08	0.085682	4.8	876448.0	1.071028	N
4	IC 140-50074/12	0.16	0.197844	4.8	867543.0	1.236527	Y
5	IC 140-50074/13	0.4	0.657955	4.8	884245.0	1.644888	Y
6	IC 140-50074/14	1.0	2.117295	4.8	945670.0	2.117295	Y
7	ICIS 140-50074/15	2.0	4.67661	4.8	1031731.0	2.338305	Y
8	IC 140-50074/7	4.0	9.505649	4.8	1207386.0	2.376412	Y
9	IC 140-50074/5	8.0	19.227875	4.8	1330216.0	2.403484	Y
10	IC 140-50074/3	16.0	41.91306	4.8	1209824.0	2.619566	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

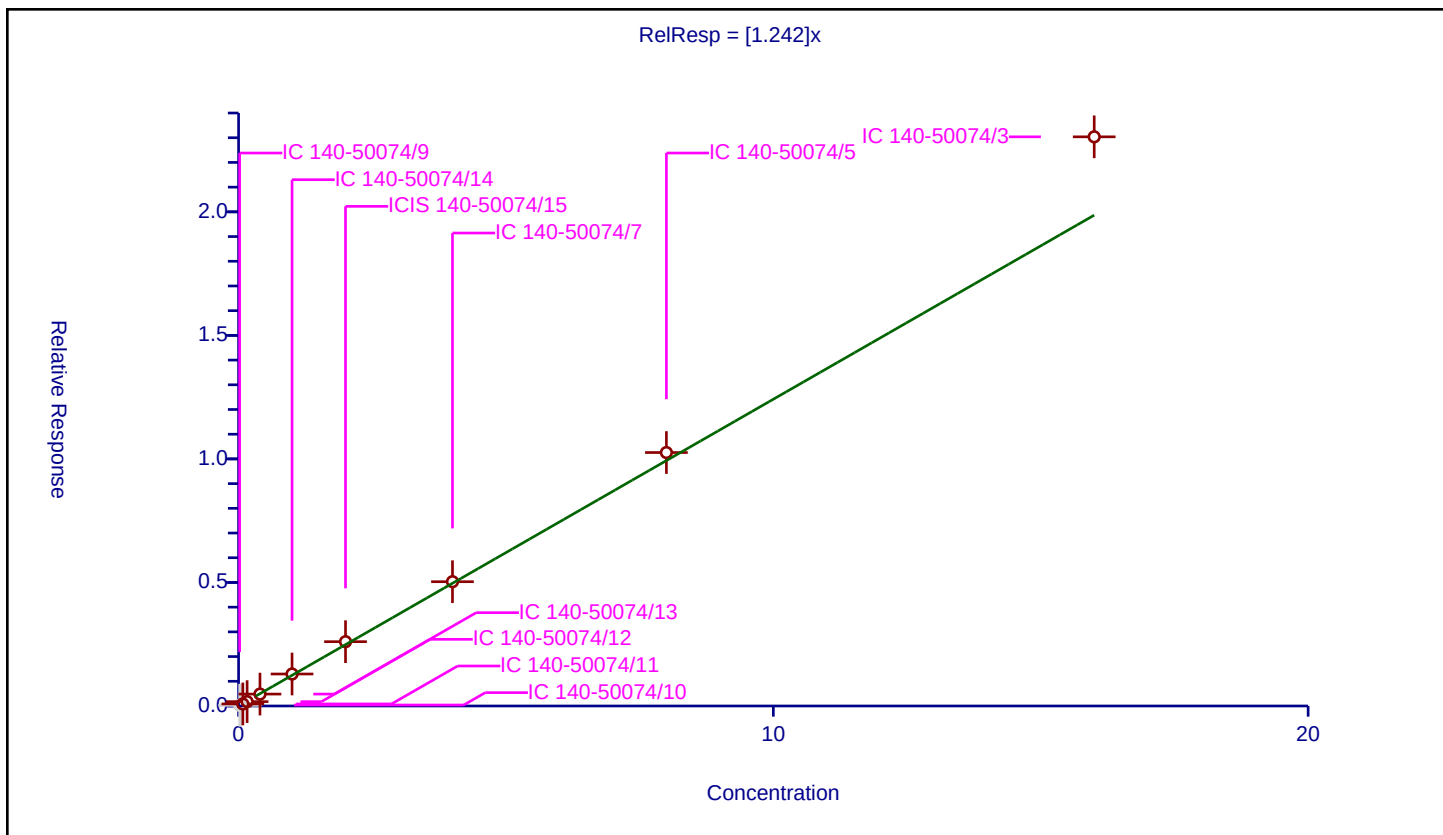
Curve Coefficients

Intercept: 0
 Slope: 1.242

Error Coefficients

Standard Error: 2500000
 Relative Standard Error: 9.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.028671	4.8	948567.0	1.433573	N
2	IC 140-50074/10	0.04	0.040984	4.8	892333.0	1.024595	N
3	IC 140-50074/11	0.08	0.084143	4.8	876448.0	1.051791	Y
4	IC 140-50074/12	0.16	0.176133	4.8	867543.0	1.100833	Y
5	IC 140-50074/13	0.4	0.481848	4.8	884245.0	1.204621	Y
6	IC 140-50074/14	1.0	1.294457	4.8	945670.0	1.294457	Y
7	ICIS 140-50074/15	2.0	2.602302	4.8	1031731.0	1.301151	Y
8	IC 140-50074/7	4.0	5.03031	4.8	1207386.0	1.257578	Y
9	IC 140-50074/5	8.0	10.258186	4.8	1330216.0	1.282273	Y
10	IC 140-50074/3	16.0	23.03569	4.8	1209824.0	1.439731	Y



Calibration

/ Benzyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

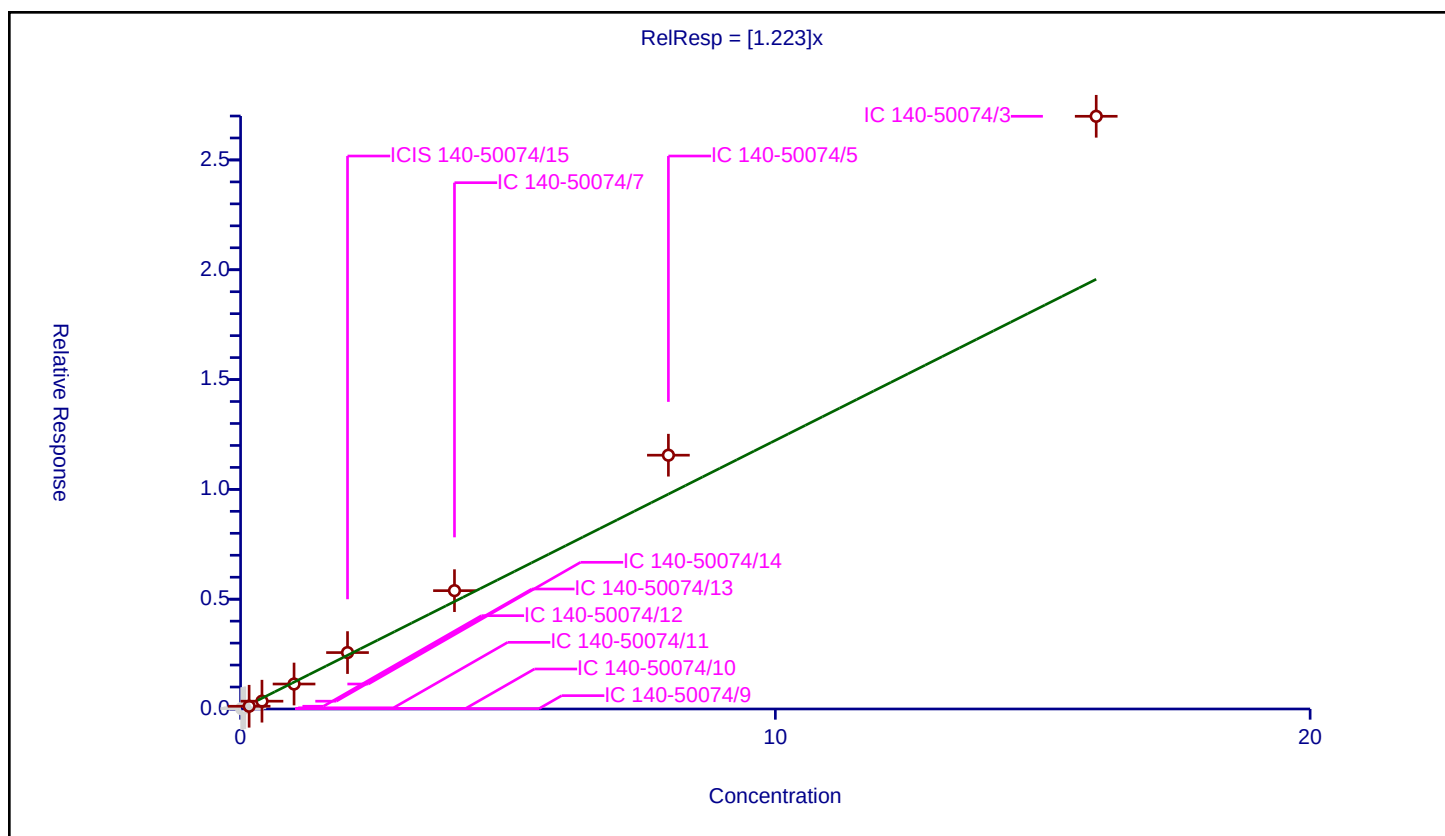
Curve Coefficients

Intercept: 0
 Slope: 1.223

Error Coefficients

Standard Error: 3130000
 Relative Standard Error: 26.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.934

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.016658	4.8	948567.0	0.83292	N
2	IC 140-50074/10	0.04	0.027143	4.8	892333.0	0.678581	N
3	IC 140-50074/11	0.08	0.054334	4.8	876448.0	0.679173	N
4	IC 140-50074/12	0.16	0.123892	4.8	867543.0	0.774325	Y
5	IC 140-50074/13	0.4	0.354917	4.8	884245.0	0.887293	Y
6	IC 140-50074/14	1.0	1.136885	4.8	945670.0	1.136885	Y
7	ICIS 140-50074/15	2.0	2.568251	4.8	1031731.0	1.284125	Y
8	IC 140-50074/7	4.0	5.387568	4.8	1207386.0	1.346892	Y
9	IC 140-50074/5	8.0	11.556285	4.8	1330216.0	1.444536	Y
10	IC 140-50074/3	16.0	26.987657	4.8	1209824.0	1.686729	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

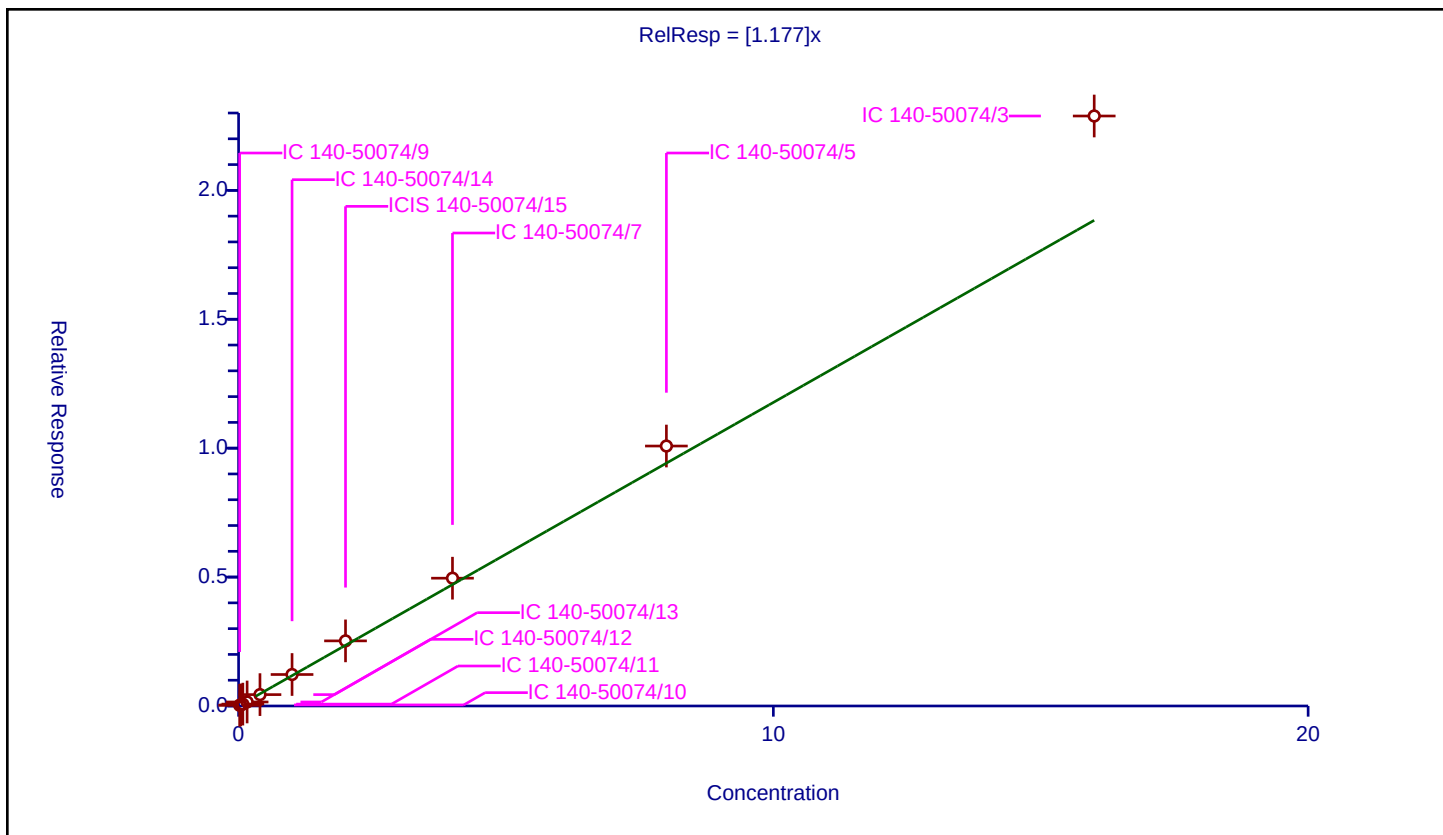
Curve Coefficients

Intercept: 0
 Slope: 1.177

Error Coefficients

Standard Error: 2190000
 Relative Standard Error: 13.8
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.02643	4.8	948567.0	1.321488	Y
2	IC 140-50074/10	0.04	0.041893	4.8	892333.0	1.047322	Y
3	IC 140-50074/11	0.08	0.07308	4.8	876448.0	0.913505	Y
4	IC 140-50074/12	0.16	0.156055	4.8	867543.0	0.975341	Y
5	IC 140-50074/13	0.4	0.440848	4.8	884245.0	1.10212	Y
6	IC 140-50074/14	1.0	1.220798	4.8	945670.0	1.220798	Y
7	ICIS 140-50074/15	2.0	2.525779	4.8	1031731.0	1.26289	Y
8	IC 140-50074/7	4.0	4.957487	4.8	1207386.0	1.239372	Y
9	IC 140-50074/5	8.0	10.082773	4.8	1330216.0	1.260347	Y
10	IC 140-50074/3	16.0	22.884603	4.8	1209824.0	1.430288	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

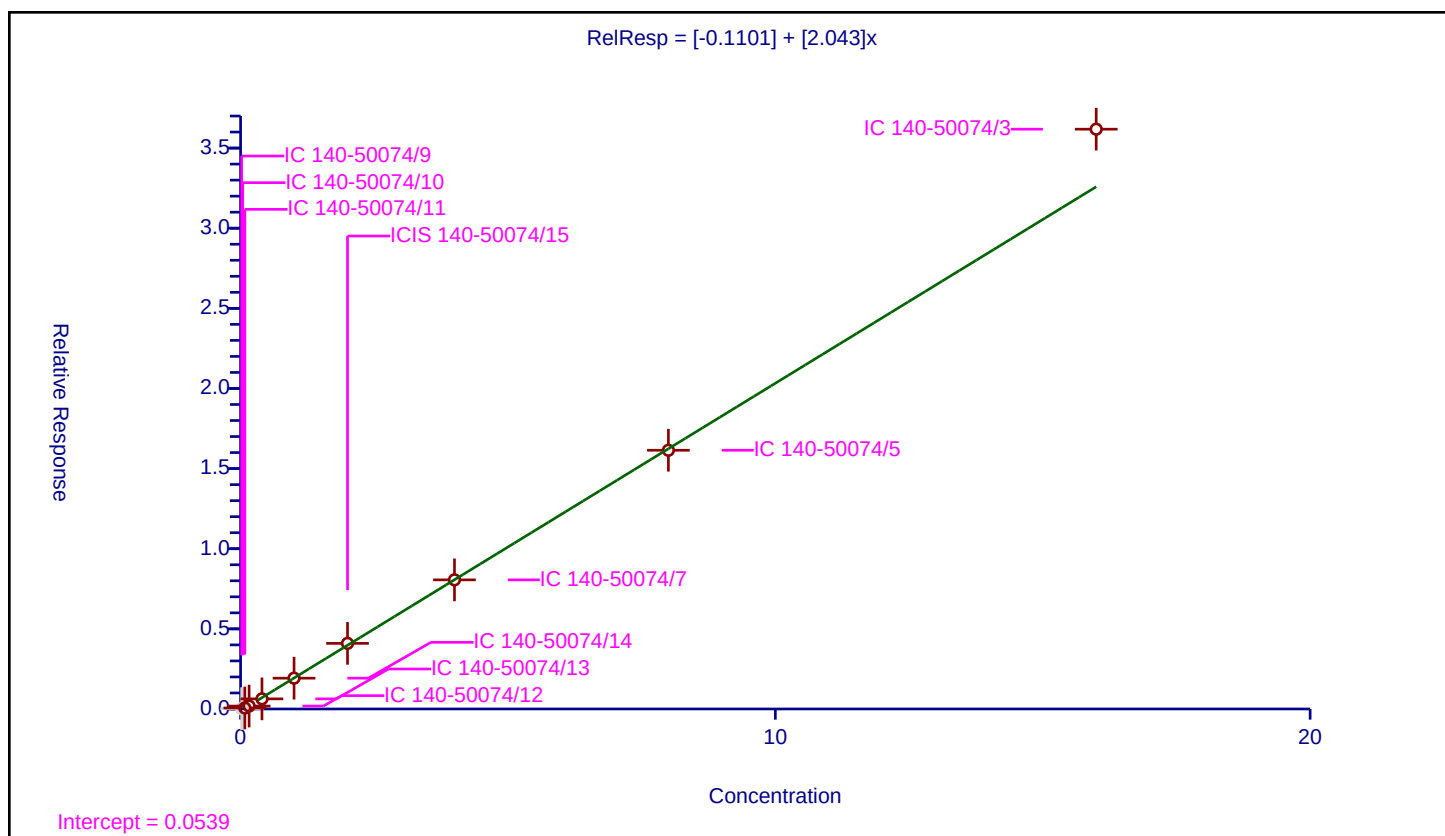
Curve Coefficients

Intercept: -0.1101
Slope: 2.043

Error Coefficients

Standard Error: 4250000
Relative Standard Error: 7.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.017301	4.8	948567.0	0.865052	N
2	IC 140-50074/10	0.04	0.031447	4.8	892333.0	0.786164	N
3	IC 140-50074/11	0.08	0.064723	4.8	876448.0	0.809038	Y
4	IC 140-50074/12	0.16	0.182911	4.8	867543.0	1.143194	Y
5	IC 140-50074/13	0.4	0.631991	4.8	884245.0	1.579978	Y
6	IC 140-50074/14	1.0	1.923309	4.8	945670.0	1.923309	Y
7	ICIS 140-50074/15	2.0	4.093621	4.8	1031731.0	2.04681	Y
8	IC 140-50074/7	4.0	8.056902	4.8	1207386.0	2.014225	Y
9	IC 140-50074/5	8.0	16.143452	4.8	1330216.0	2.017932	Y
10	IC 140-50074/3	16.0	36.178681	4.8	1209824.0	2.261168	Y



Calibration

/ 1,2,3-Trimethylbenzene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

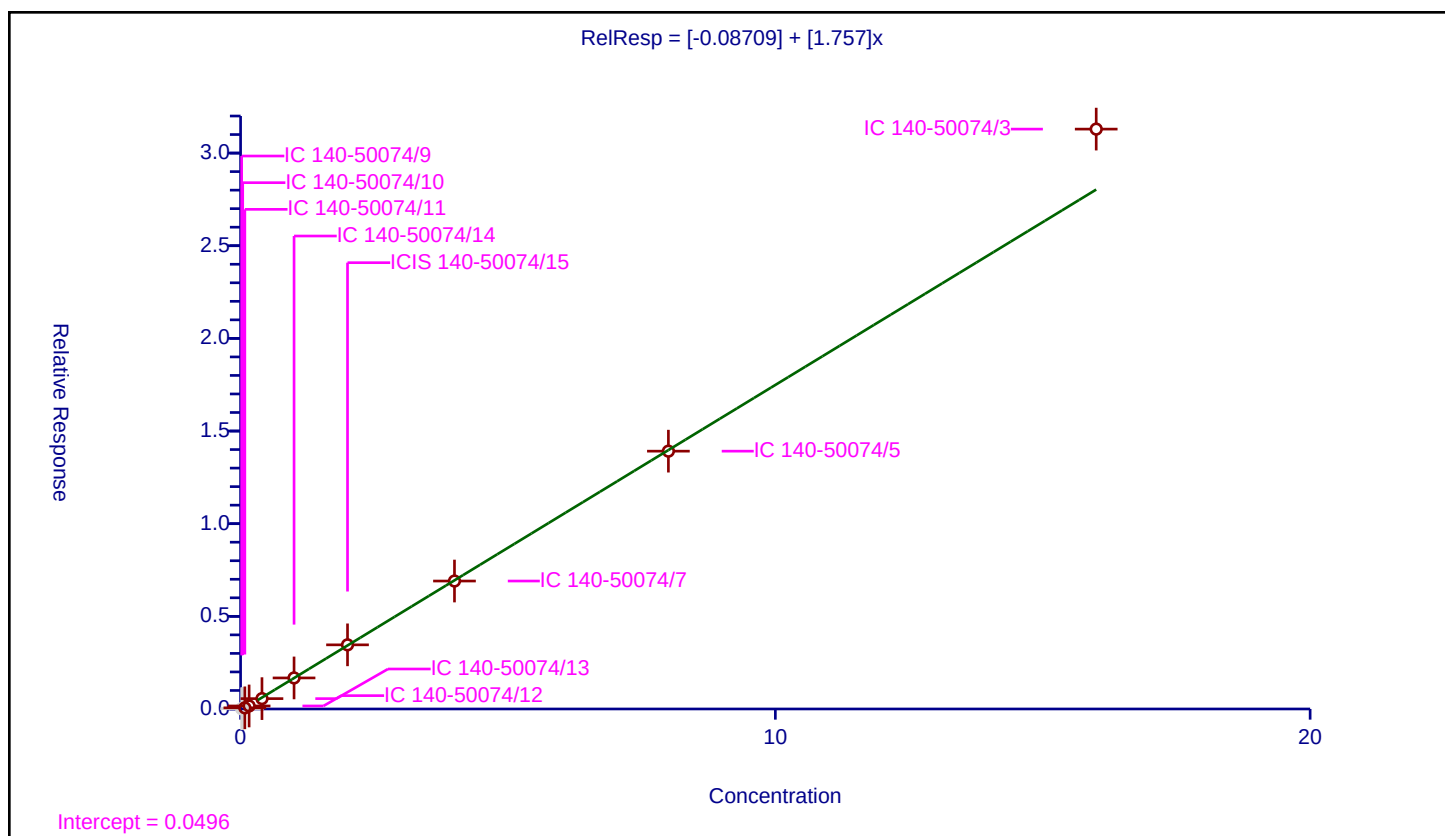
Curve Coefficients

Intercept: -0.08709
 Slope: 1.757

Error Coefficients

Standard Error: 3670000
 Relative Standard Error: 7.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.013754	4.8	948567.0	0.68769	N
2	IC 140-50074/10	0.04	0.029822	4.8	892333.0	0.745551	N
3	IC 140-50074/11	0.08	0.063157	4.8	876448.0	0.789459	Y
4	IC 140-50074/12	0.16	0.163989	4.8	867543.0	1.024929	Y
5	IC 140-50074/13	0.4	0.558698	4.8	884245.0	1.396744	Y
6	IC 140-50074/14	1.0	1.676246	4.8	945670.0	1.676246	Y
7	ICIS 140-50074/15	2.0	3.461363	4.8	1031731.0	1.730681	Y
8	IC 140-50074/7	4.0	6.905119	4.8	1207386.0	1.72628	Y
9	IC 140-50074/5	8.0	13.914052	4.8	1330216.0	1.739256	Y
10	IC 140-50074/3	16.0	31.293919	4.8	1209824.0	1.95587	Y



Calibration

/ 2,3-Dihydroindene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

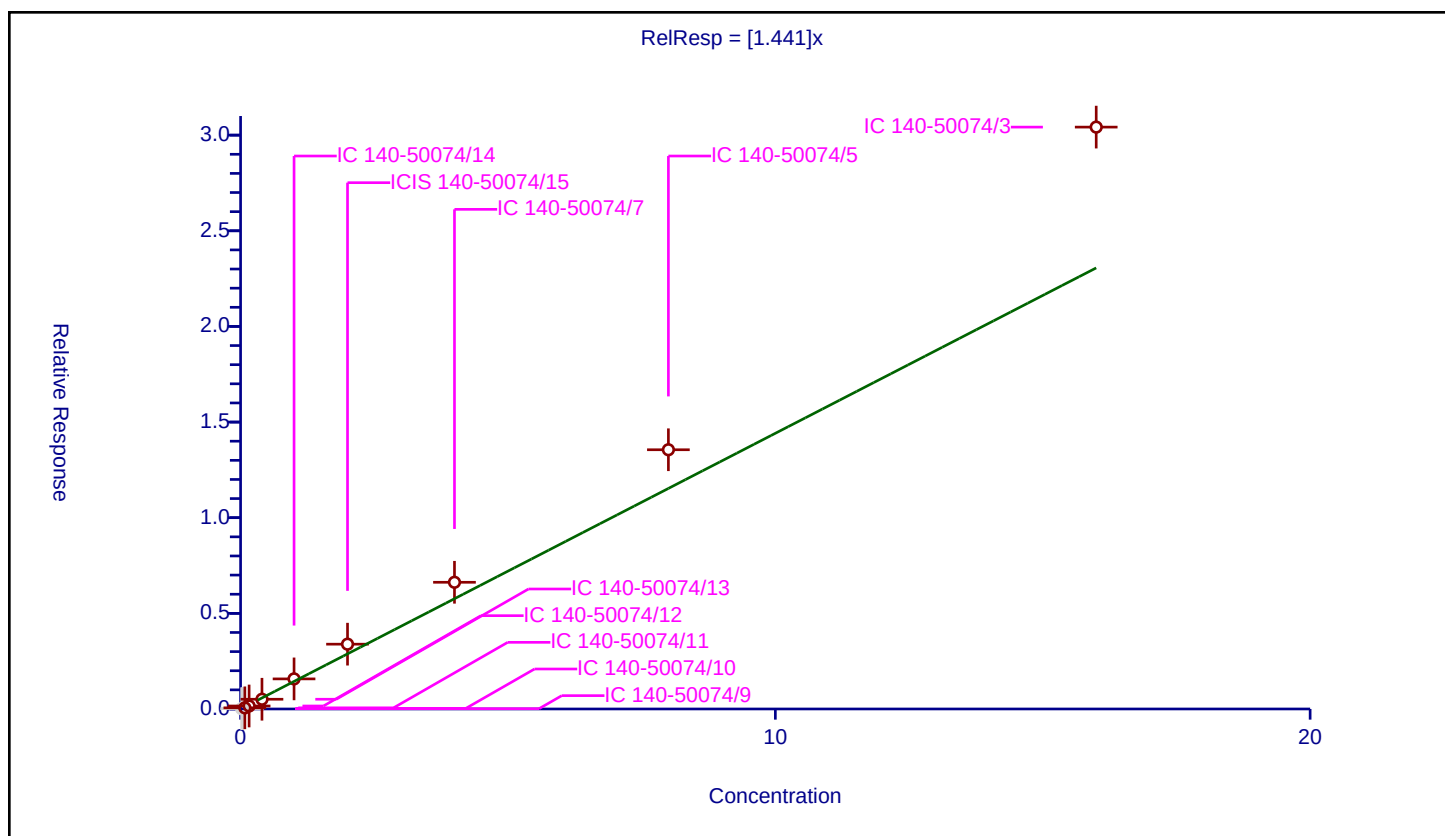
Curve Coefficients

Intercept: 0
 Slope: 1.441

Error Coefficients

Standard Error: 3300000
 Relative Standard Error: 27.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.928

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.015945	4.8	948567.0	0.797245	N
2	IC 140-50074/10	0.04	0.029306	4.8	892333.0	0.732641	N
3	IC 140-50074/11	0.08	0.061004	4.8	876448.0	0.762555	Y
4	IC 140-50074/12	0.16	0.156132	4.8	867543.0	0.975825	Y
5	IC 140-50074/13	0.4	0.508844	4.8	884245.0	1.272109	Y
6	IC 140-50074/14	1.0	1.573523	4.8	945670.0	1.573523	Y
7	ICIS 140-50074/15	2.0	3.388655	4.8	1031731.0	1.694328	Y
8	IC 140-50074/7	4.0	6.624244	4.8	1207386.0	1.656061	Y
9	IC 140-50074/5	8.0	13.553075	4.8	1330216.0	1.694134	Y
10	IC 140-50074/3	16.0	30.419581	4.8	1209824.0	1.901224	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

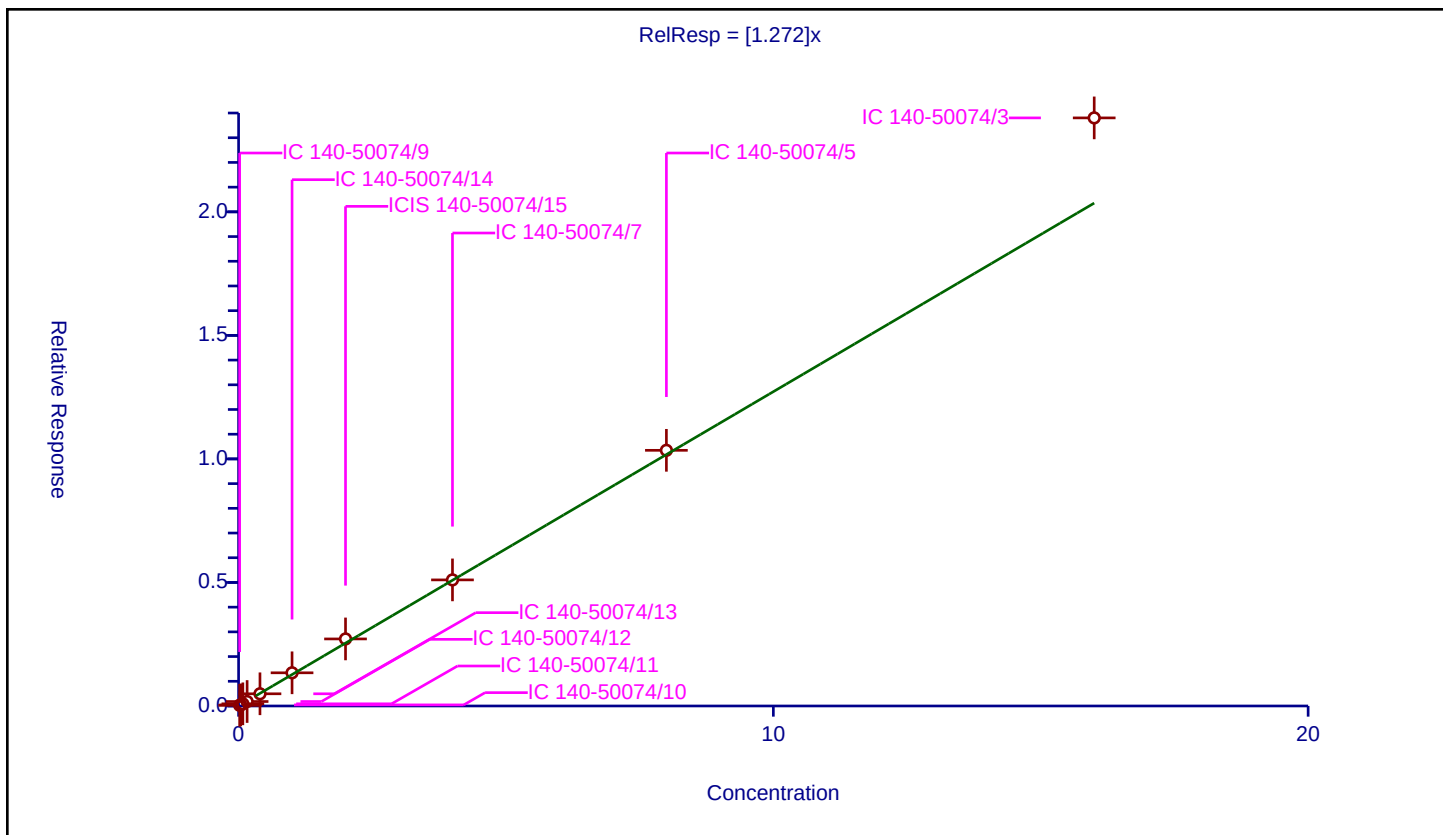
Curve Coefficients

Intercept: 0
 Slope: 1.272

Error Coefficients

Standard Error: 2270000
 Relative Standard Error: 9.9
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.027467	4.8	948567.0	1.373356	Y
2	IC 140-50074/10	0.04	0.044948	4.8	892333.0	1.123706	Y
3	IC 140-50074/11	0.08	0.088092	4.8	876448.0	1.101149	Y
4	IC 140-50074/12	0.16	0.18103	4.8	867543.0	1.131437	Y
5	IC 140-50074/13	0.4	0.493617	4.8	884245.0	1.234043	Y
6	IC 140-50074/14	1.0	1.343692	4.8	945670.0	1.343692	Y
7	ICIS 140-50074/15	2.0	2.713531	4.8	1031731.0	1.356765	Y
8	IC 140-50074/7	4.0	5.103552	4.8	1207386.0	1.275888	Y
9	IC 140-50074/5	8.0	10.348058	4.8	1330216.0	1.293507	Y
10	IC 140-50074/3	16.0	23.802636	4.8	1209824.0	1.487665	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

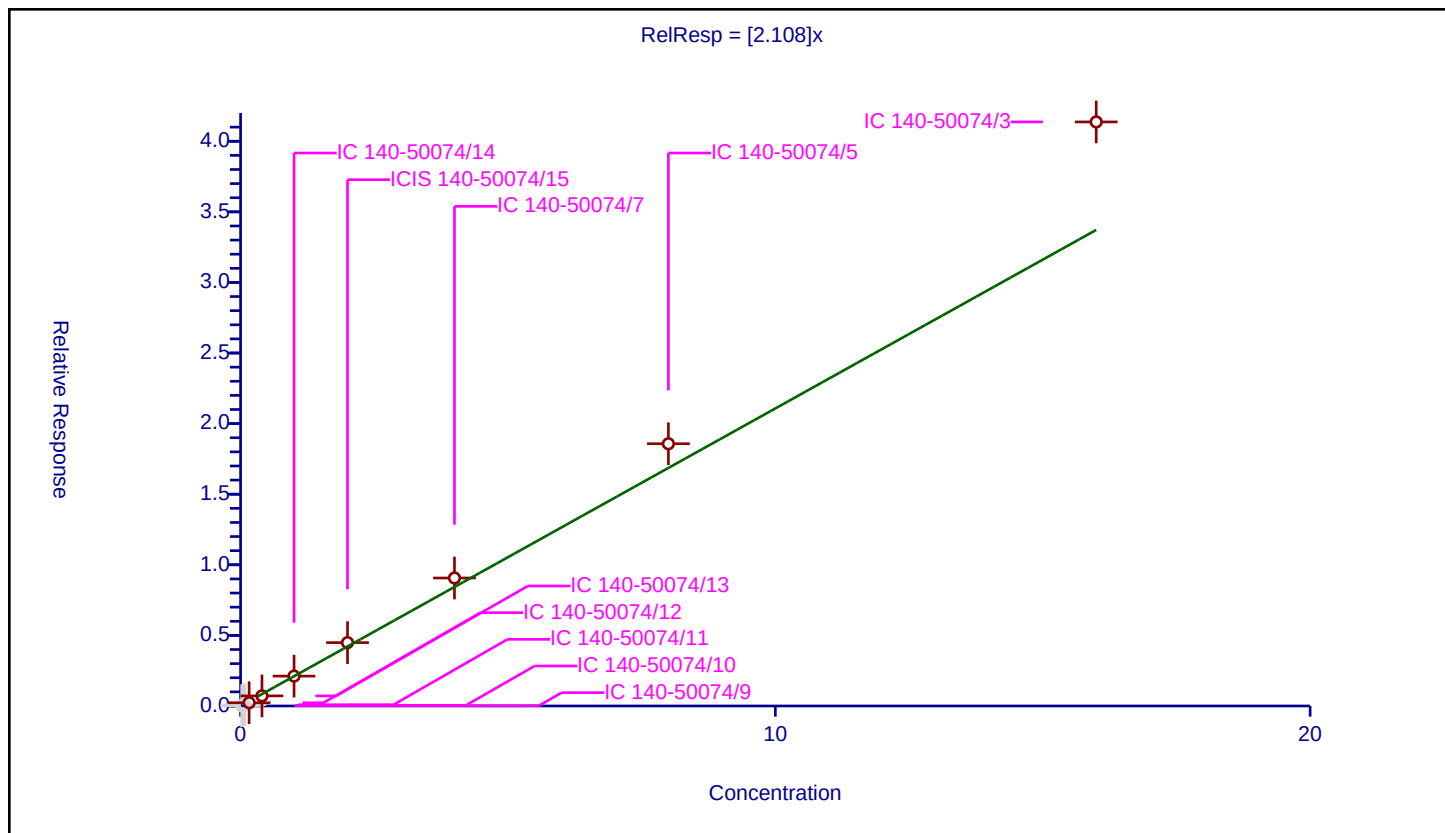
Curve Coefficients

Intercept: 0
 Slope: 2.108

Error Coefficients

Standard Error: 4860000
 Relative Standard Error: 18.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.025858	4.8	948567.0	1.292898	N
2	IC 140-50074/10	0.04	0.038343	4.8	892333.0	0.958566	N
3	IC 140-50074/11	0.08	0.092271	4.8	876448.0	1.153383	N
4	IC 140-50074/12	0.16	0.228684	4.8	867543.0	1.429278	Y
5	IC 140-50074/13	0.4	0.715344	4.8	884245.0	1.78836	Y
6	IC 140-50074/14	1.0	2.117199	4.8	945670.0	2.117199	Y
7	ICIS 140-50074/15	2.0	4.488412	4.8	1031731.0	2.244206	Y
8	IC 140-50074/7	4.0	9.064997	4.8	1207386.0	2.266249	Y
9	IC 140-50074/5	8.0	18.575221	4.8	1330216.0	2.321903	Y
10	IC 140-50074/3	16.0	41.368494	4.8	1209824.0	2.585531	Y



Calibration

/ Indene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

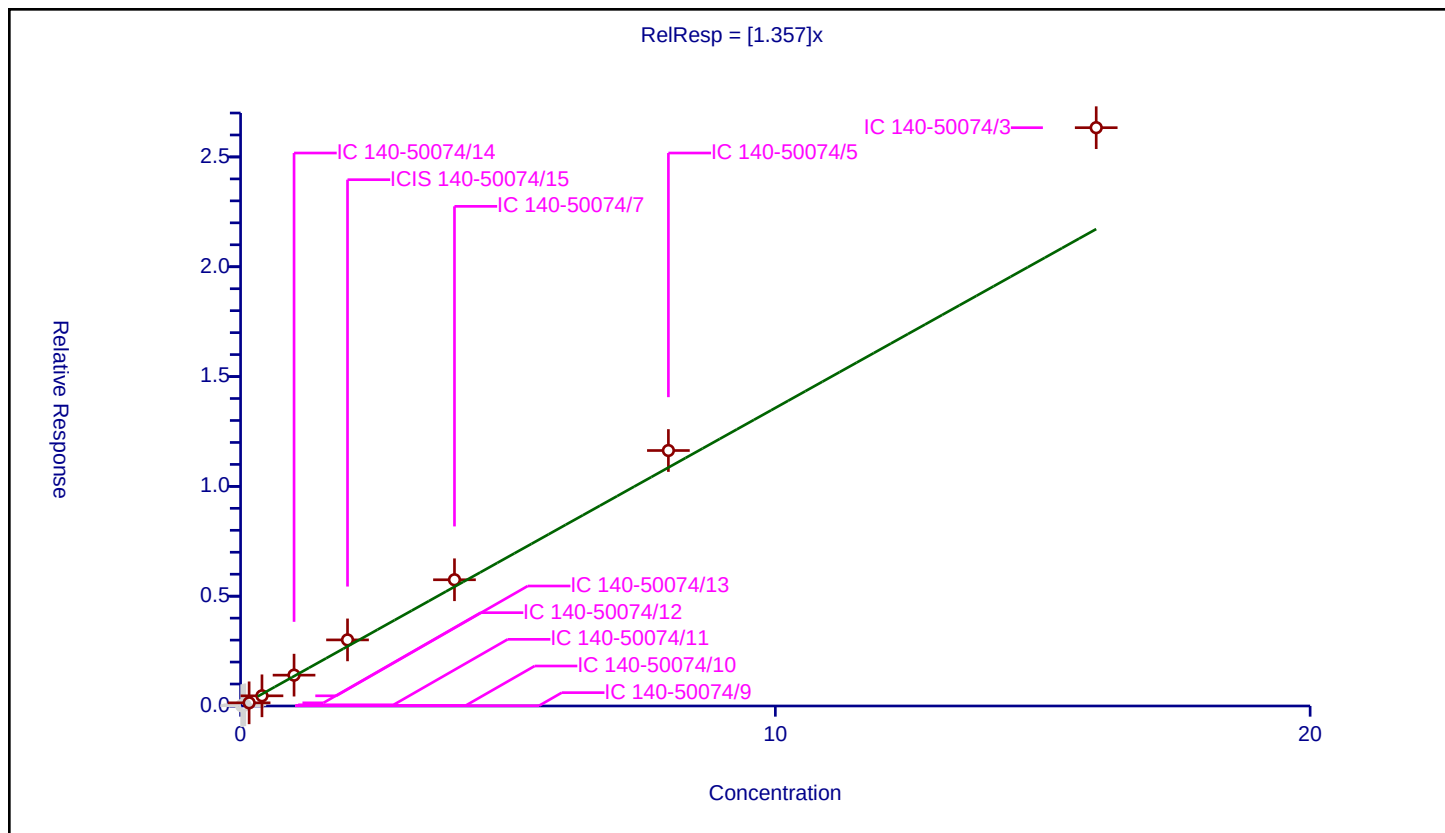
Curve Coefficients

Intercept: 0
 Slope: 1.357

Error Coefficients

Standard Error: 3080000
 Relative Standard Error: 18.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.01301	4.8	948567.0	0.650497	N
2	IC 140-50074/10	0.04	0.022022	4.8	892333.0	0.550557	N
3	IC 140-50074/11	0.08	0.053605	4.8	876448.0	0.670068	N
4	IC 140-50074/12	0.16	0.143578	4.8	867543.0	0.897362	Y
5	IC 140-50074/13	0.4	0.463164	4.8	884245.0	1.15791	Y
6	IC 140-50074/14	1.0	1.404378	4.8	945670.0	1.404378	Y
7	ICIS 140-50074/15	2.0	3.009003	4.8	1031731.0	1.504501	Y
8	IC 140-50074/7	4.0	5.747285	4.8	1207386.0	1.436821	Y
9	IC 140-50074/5	8.0	11.632708	4.8	1330216.0	1.454089	Y
10	IC 140-50074/3	16.0	26.331969	4.8	1209824.0	1.645748	Y



Calibration

/ Undecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

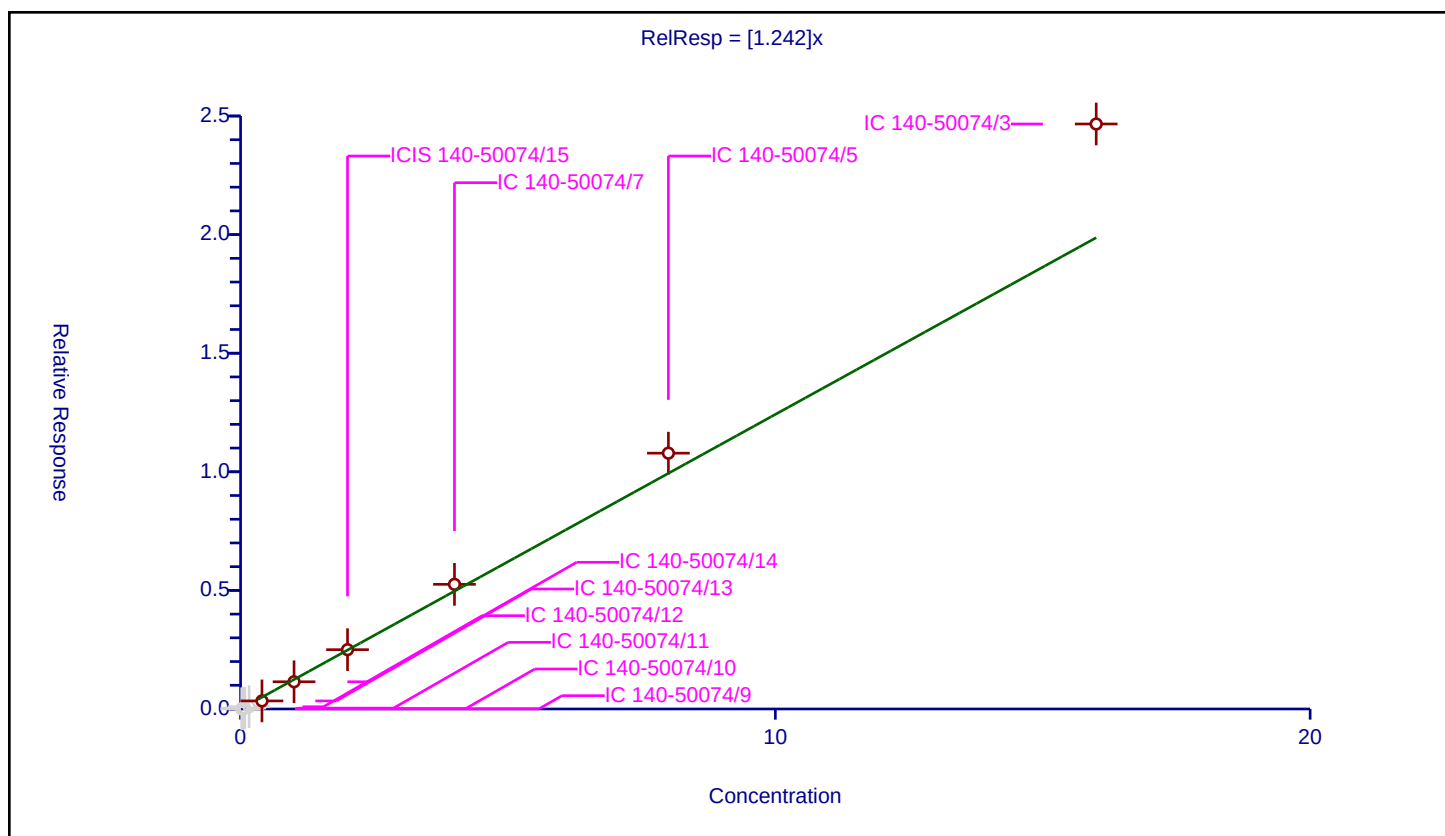
Curve Coefficients

Intercept: 0
Slope: 1.242

Error Coefficients

Standard Error: 3150000
Relative Standard Error: 18.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.006118	4.8	948567.0	0.305893	N
2	IC 140-50074/10	0.04	0.016202	4.8	892333.0	0.405051	N
3	IC 140-50074/11	0.08	0.036918	4.8	876448.0	0.461476	N
4	IC 140-50074/12	0.16	0.094186	4.8	867543.0	0.588662	N
5	IC 140-50074/13	0.4	0.339962	4.8	884245.0	0.849905	Y
6	IC 140-50074/14	1.0	1.147585	4.8	945670.0	1.147585	Y
7	ICIS 140-50074/15	2.0	2.500754	4.8	1031731.0	1.250377	Y
8	IC 140-50074/7	4.0	5.255858	4.8	1207386.0	1.313965	Y
9	IC 140-50074/5	8.0	10.785447	4.8	1330216.0	1.348181	Y
10	IC 140-50074/3	16.0	24.664258	4.8	1209824.0	1.541516	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

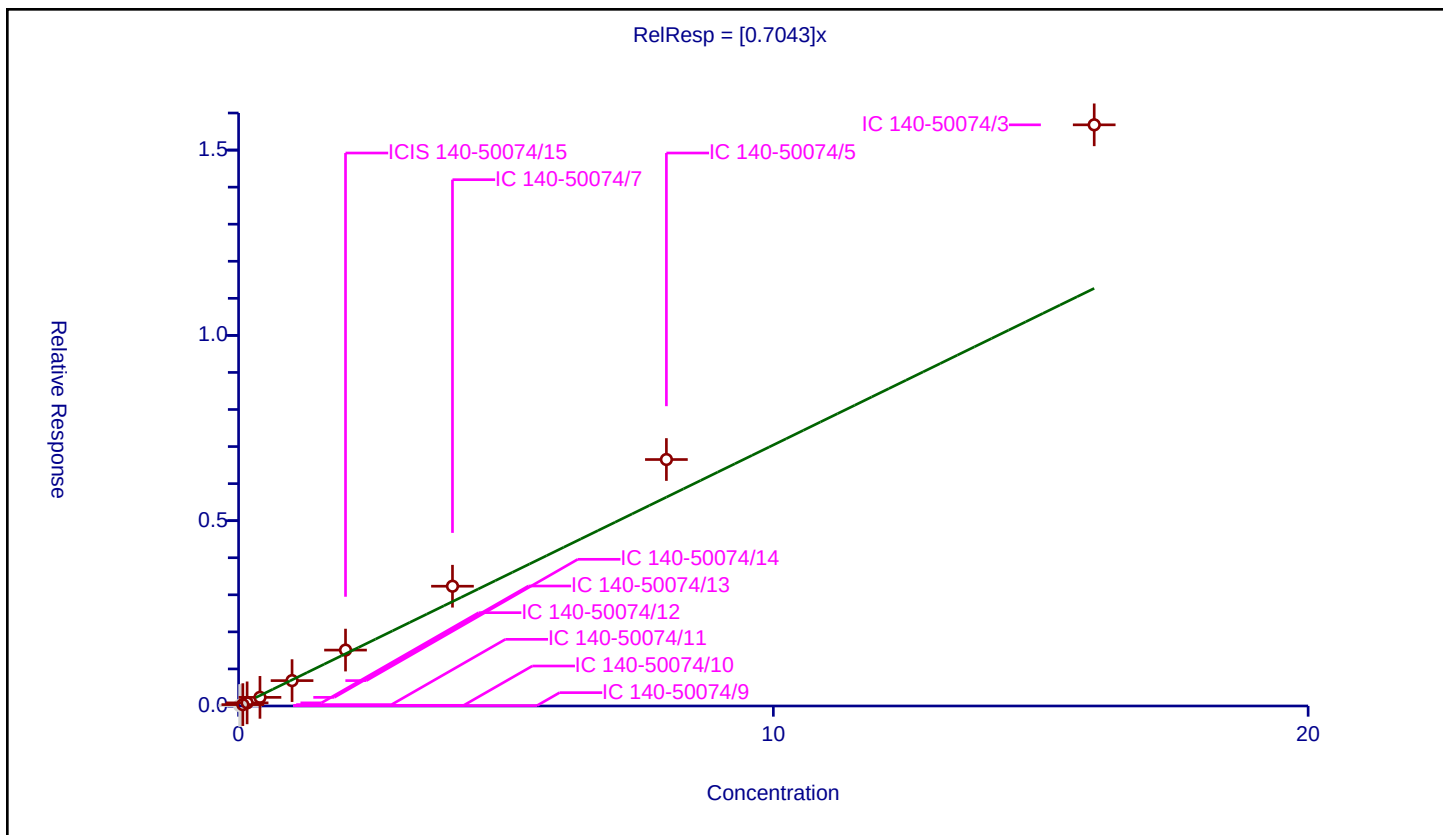
Curve Coefficients

Intercept: 0
 Slope: 0.7043

Error Coefficients

Standard Error: 1680000
 Relative Standard Error: 24.5
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.940

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.011421	4.8	948567.0	0.571051	N
2	IC 140-50074/10	0.04	0.018693	4.8	892333.0	0.467314	N
3	IC 140-50074/11	0.08	0.037148	4.8	876448.0	0.464352	Y
4	IC 140-50074/12	0.16	0.084764	4.8	867543.0	0.529772	Y
5	IC 140-50074/13	0.4	0.232692	4.8	884245.0	0.58173	Y
6	IC 140-50074/14	1.0	0.684878	4.8	945670.0	0.684878	Y
7	ICIS 140-50074/15	2.0	1.508207	4.8	1031731.0	0.754104	Y
8	IC 140-50074/7	4.0	3.23215	4.8	1207386.0	0.808038	Y
9	IC 140-50074/5	8.0	6.650616	4.8	1330216.0	0.831327	Y
10	IC 140-50074/3	16.0	15.681128	4.8	1209824.0	0.98007	Y



Calibration

/ 1,2,4,5-Tetramethylbenzene

Curve Type: Quadratic
 Weighting: None
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

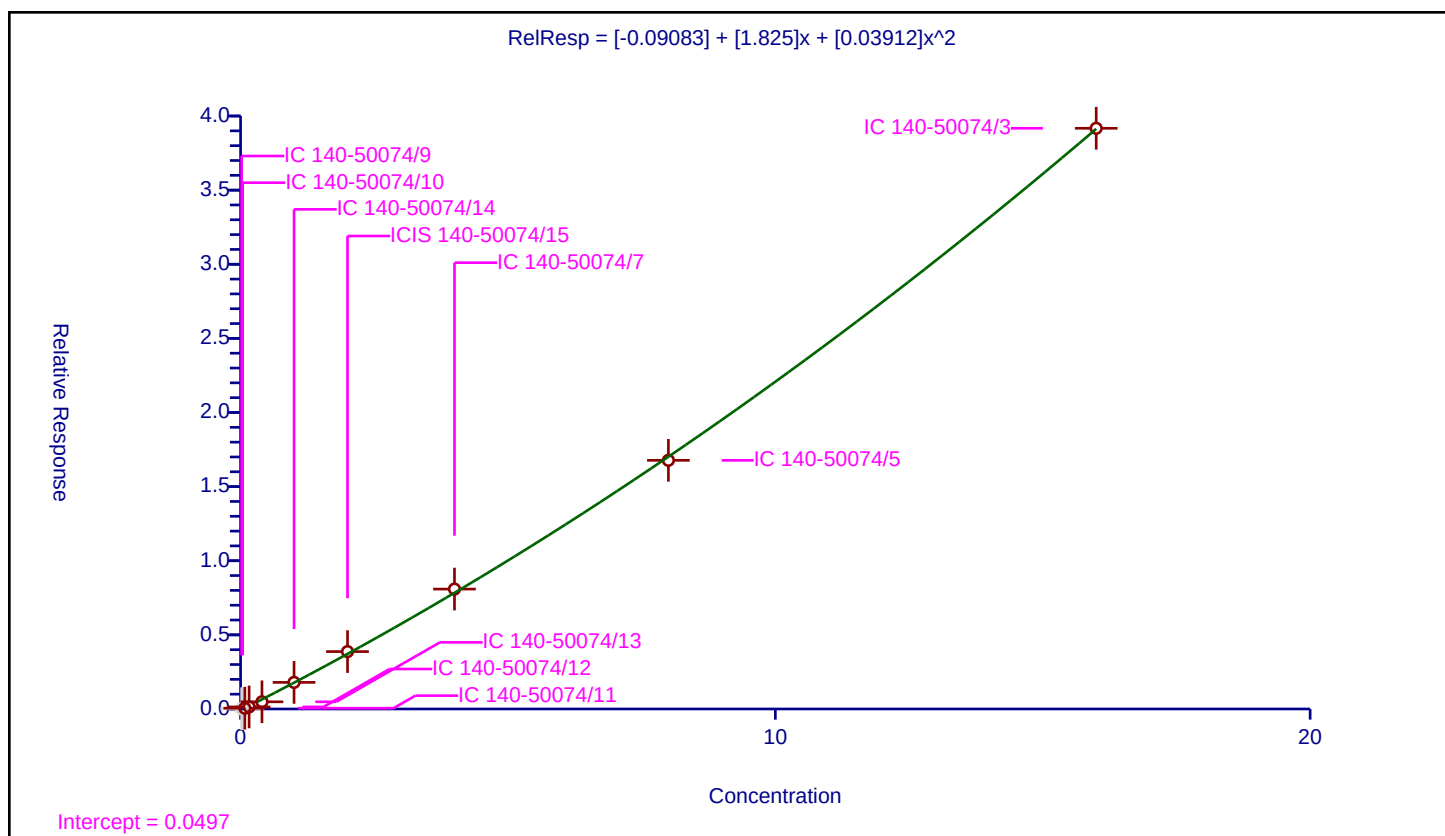
Curve Coefficients

Intercept: -0.09083
 Slope: 1.825
 Second Order: 0.03912

Error Coefficients

Standard Error: 4980000
 Relative Standard Error: 13.9
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.013956	4.8	948567.0	0.69781	N
2	IC 140-50074/10	0.04	0.027326	4.8	892333.0	0.683153	N
3	IC 140-50074/11	0.08	0.052527	4.8	876448.0	0.656582	Y
4	IC 140-50074/12	0.16	0.138554	4.8	867543.0	0.865963	Y
5	IC 140-50074/13	0.4	0.485024	4.8	884245.0	1.21256	Y
6	IC 140-50074/14	1.0	1.795177	4.8	945670.0	1.795177	Y
7	ICIS 140-50074/15	2.0	3.871149	4.8	1031731.0	1.935574	Y
8	IC 140-50074/7	4.0	8.087839	4.8	1207386.0	2.02196	Y
9	IC 140-50074/5	8.0	16.773114	4.8	1330216.0	2.096639	Y
10	IC 140-50074/3	16.0	39.173115	4.8	1209824.0	2.44832	Y



Calibration

/ Dodecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

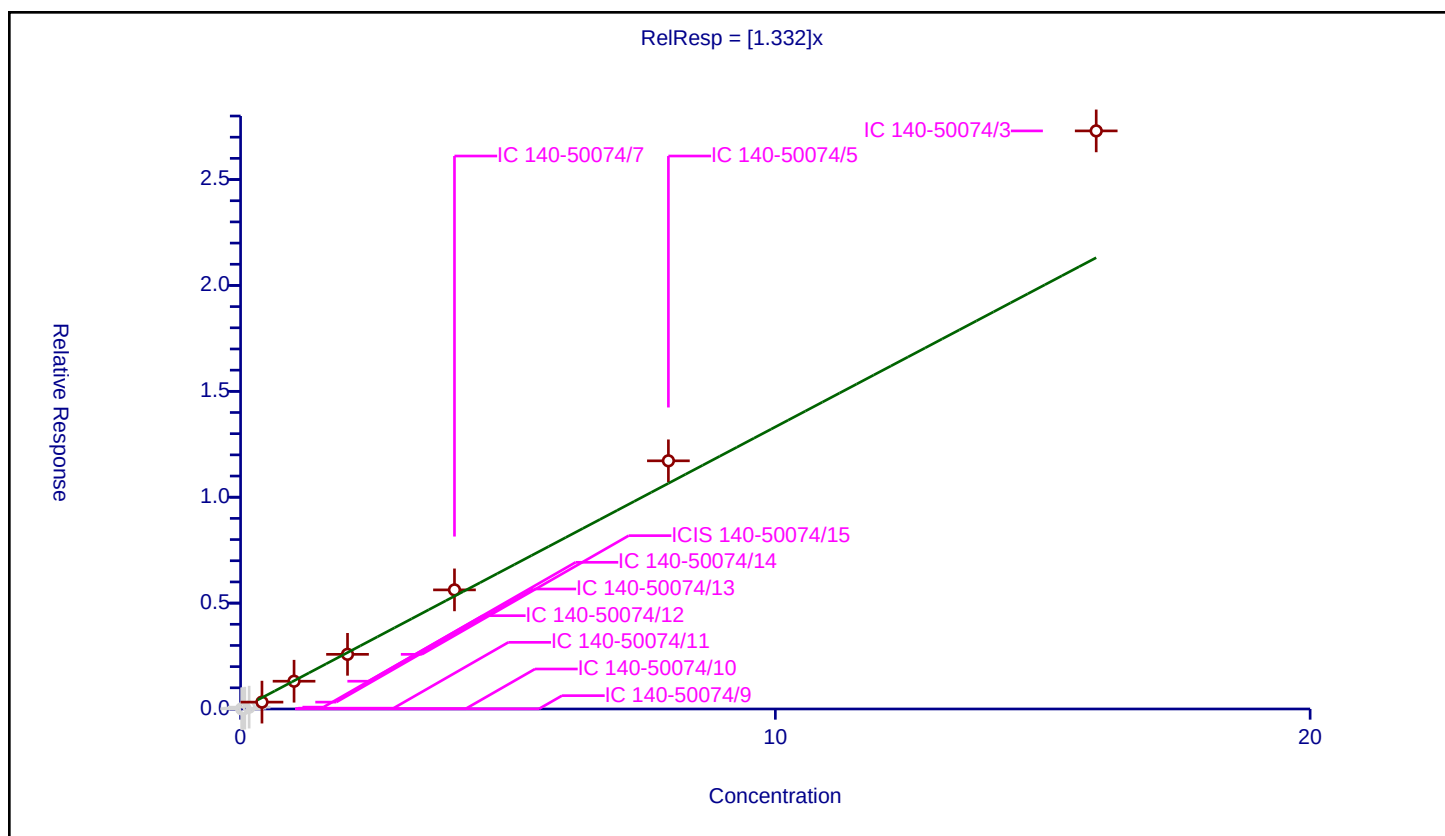
Curve Coefficients

Intercept: 0
Slope: 1.332

Error Coefficients

Standard Error: 3470000
Relative Standard Error: 22.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.007904	4.8	948567.0	0.395207	N
2	IC 140-50074/10	0.04	0.012867	4.8	892333.0	0.321674	N
3	IC 140-50074/11	0.08	0.038139	4.8	876448.0	0.476742	N
4	IC 140-50074/12	0.16	0.087325	4.8	867543.0	0.545783	N
5	IC 140-50074/13	0.4	0.324762	4.8	884245.0	0.811906	Y
6	IC 140-50074/14	1.0	1.311649	4.8	945670.0	1.311649	Y
7	ICIS 140-50074/15	2.0	2.581259	4.8	1031731.0	1.290629	Y
8	IC 140-50074/7	4.0	5.624358	4.8	1207386.0	1.40609	Y
9	IC 140-50074/5	8.0	11.718932	4.8	1330216.0	1.464866	Y
10	IC 140-50074/3	16.0	27.297354	4.8	1209824.0	1.706085	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

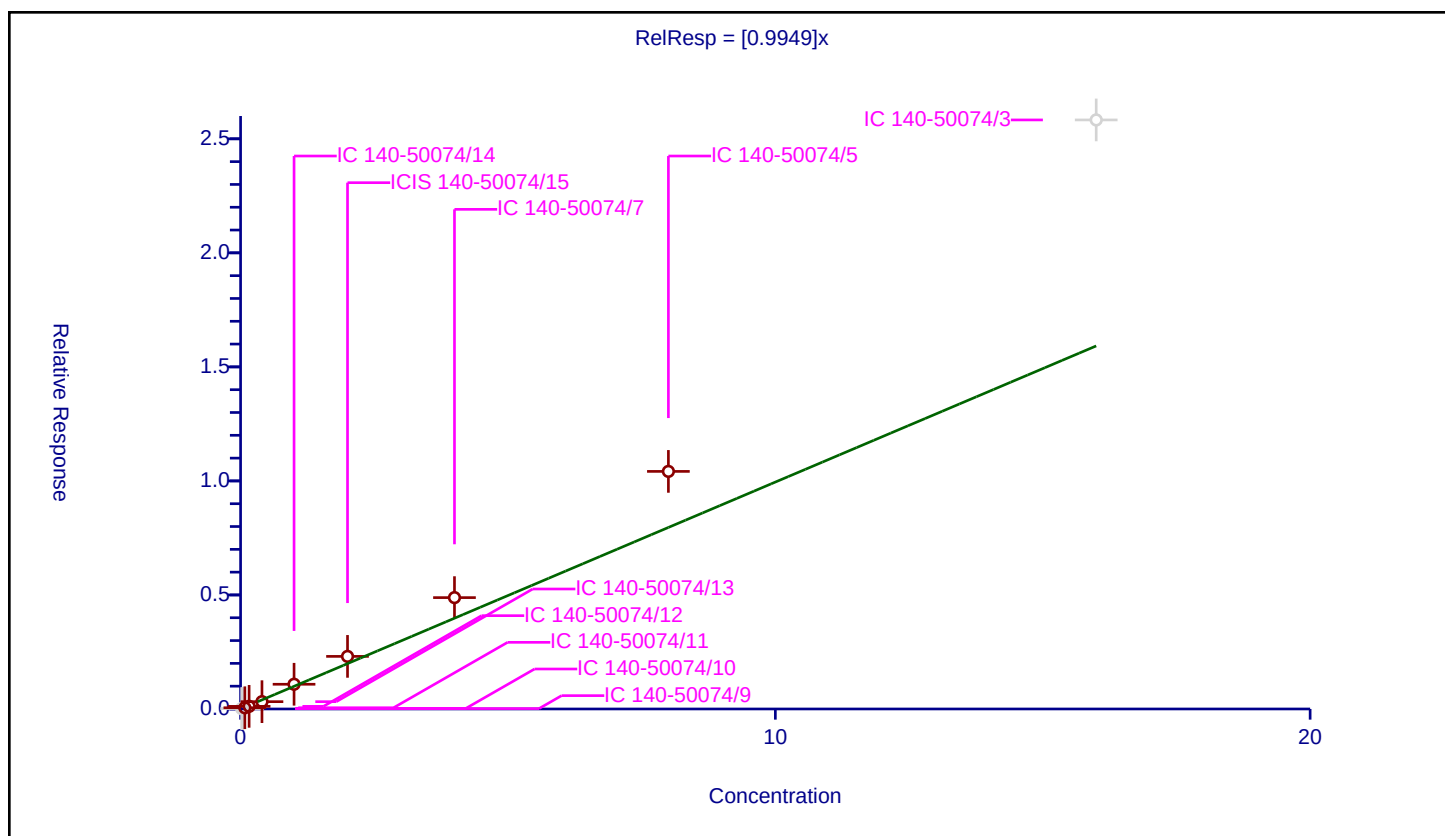
Curve Coefficients

Intercept: 0
 Slope: 0.9949

Error Coefficients

Standard Error: 1300000
 Relative Standard Error: 25.6
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.934

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.01765	4.8	948567.0	0.88251	N
2	IC 140-50074/10	0.04	0.023711	4.8	892333.0	0.592783	N
3	IC 140-50074/11	0.08	0.05435	4.8	876448.0	0.679379	Y
4	IC 140-50074/12	0.16	0.115637	4.8	867543.0	0.722731	Y
5	IC 140-50074/13	0.4	0.320528	4.8	884245.0	0.801321	Y
6	IC 140-50074/14	1.0	1.085021	4.8	945670.0	1.085021	Y
7	ICIS 140-50074/15	2.0	2.305931	4.8	1031731.0	1.152966	Y
8	IC 140-50074/7	4.0	4.883391	4.8	1207386.0	1.220848	Y
9	IC 140-50074/5	8.0	10.41778	4.8	1330216.0	1.302222	Y
10	IC 140-50074/3	16.0	25.828189	4.8	1209824.0	1.614262	N



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

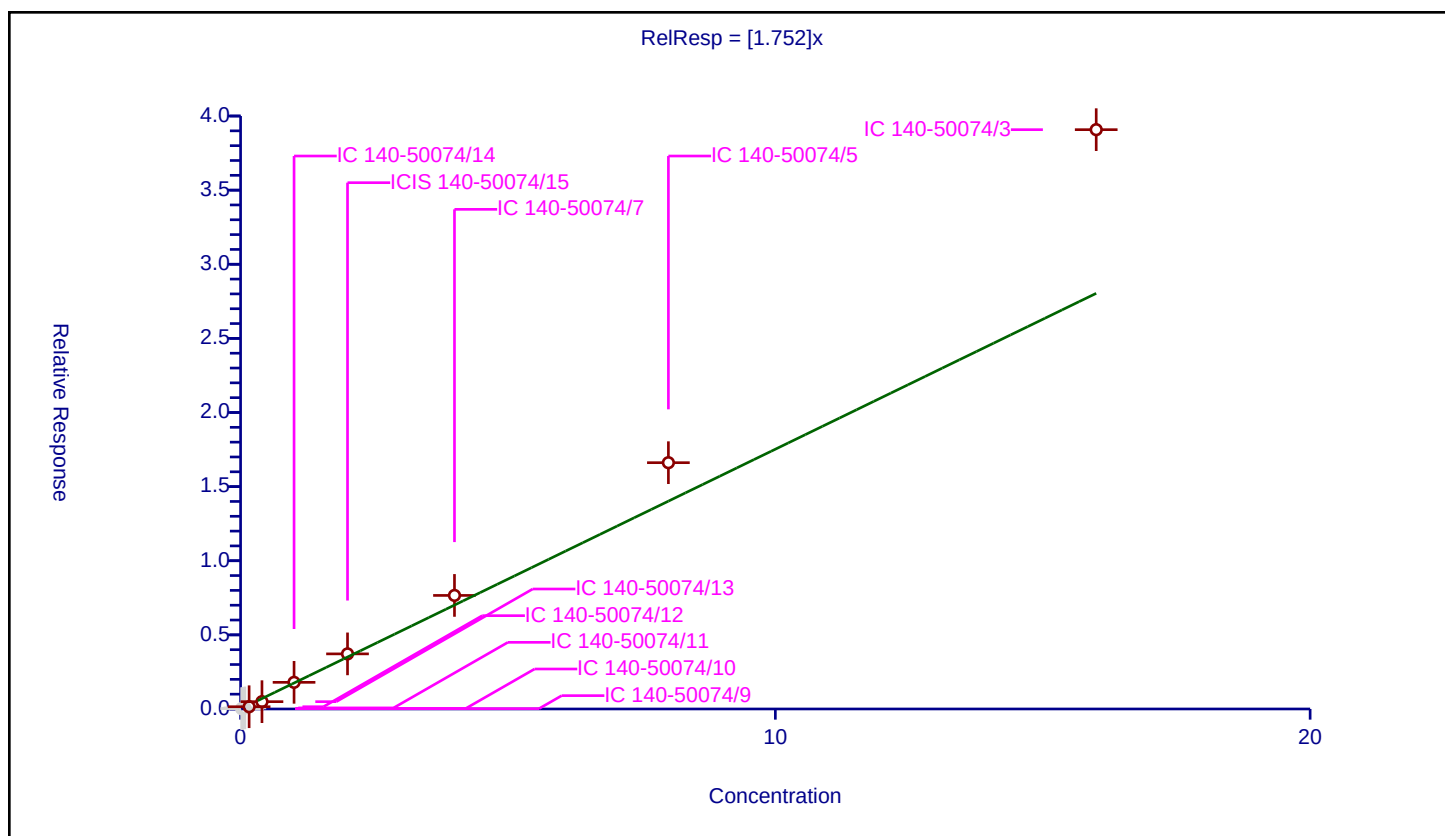
Curve Coefficients

Intercept: 0
Slope: 1.752

Error Coefficients

Standard Error: 4520000
Relative Standard Error: 29.0
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.921

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.023636	4.8	948567.0	1.181825	N
2	IC 140-50074/10	0.04	0.035734	4.8	892333.0	0.893344	N
3	IC 140-50074/11	0.08	0.071963	4.8	876448.0	0.89954	N
4	IC 140-50074/12	0.16	0.151125	4.8	867543.0	0.94453	Y
5	IC 140-50074/13	0.4	0.49289	4.8	884245.0	1.232224	Y
6	IC 140-50074/14	1.0	1.797486	4.8	945670.0	1.797486	Y
7	ICIS 140-50074/15	2.0	3.716527	4.8	1031731.0	1.858263	Y
8	IC 140-50074/7	4.0	7.660295	4.8	1207386.0	1.915074	Y
9	IC 140-50074/5	8.0	16.614912	4.8	1330216.0	2.076864	Y
10	IC 140-50074/3	16.0	39.078319	4.8	1209824.0	2.442395	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

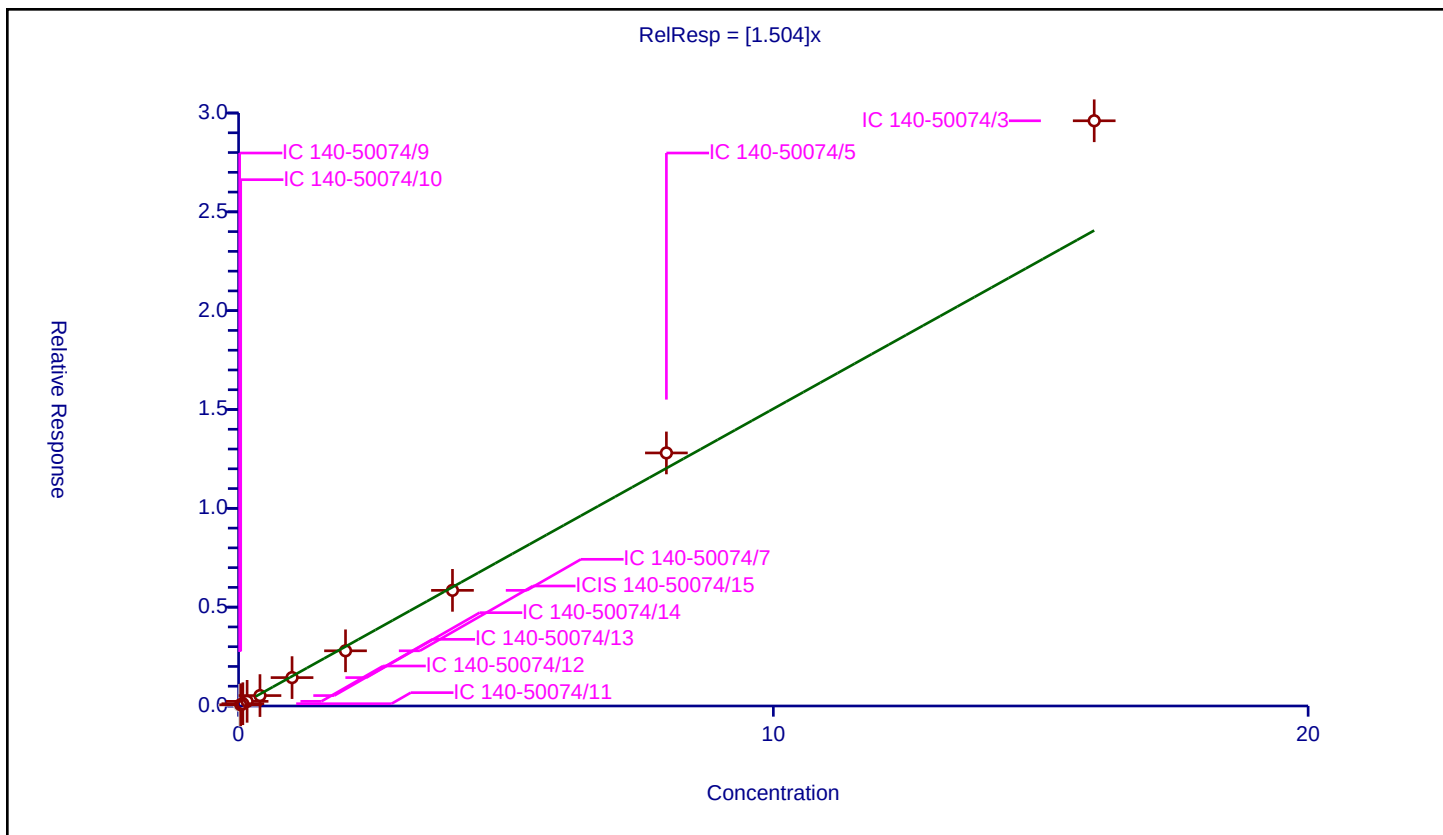
Curve Coefficients

Intercept: 0
Slope: 1.504

Error Coefficients

Standard Error: 2980000
Relative Standard Error: 10.2
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.036333	4.8	948567.0	1.816635	N
2	IC 140-50074/10	0.04	0.062092	4.8	892333.0	1.55229	Y
3	IC 140-50074/11	0.08	0.116012	4.8	876448.0	1.450149	Y
4	IC 140-50074/12	0.16	0.234881	4.8	867543.0	1.468008	Y
5	IC 140-50074/13	0.4	0.526529	4.8	884245.0	1.316323	Y
6	IC 140-50074/14	1.0	1.435904	4.8	945670.0	1.435904	Y
7	ICIS 140-50074/15	2.0	2.791421	4.8	1031731.0	1.39571	Y
8	IC 140-50074/7	4.0	5.850788	4.8	1207386.0	1.462697	Y
9	IC 140-50074/5	8.0	12.803079	4.8	1330216.0	1.600385	Y
10	IC 140-50074/3	16.0	29.607299	4.8	1209824.0	1.850456	Y



Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

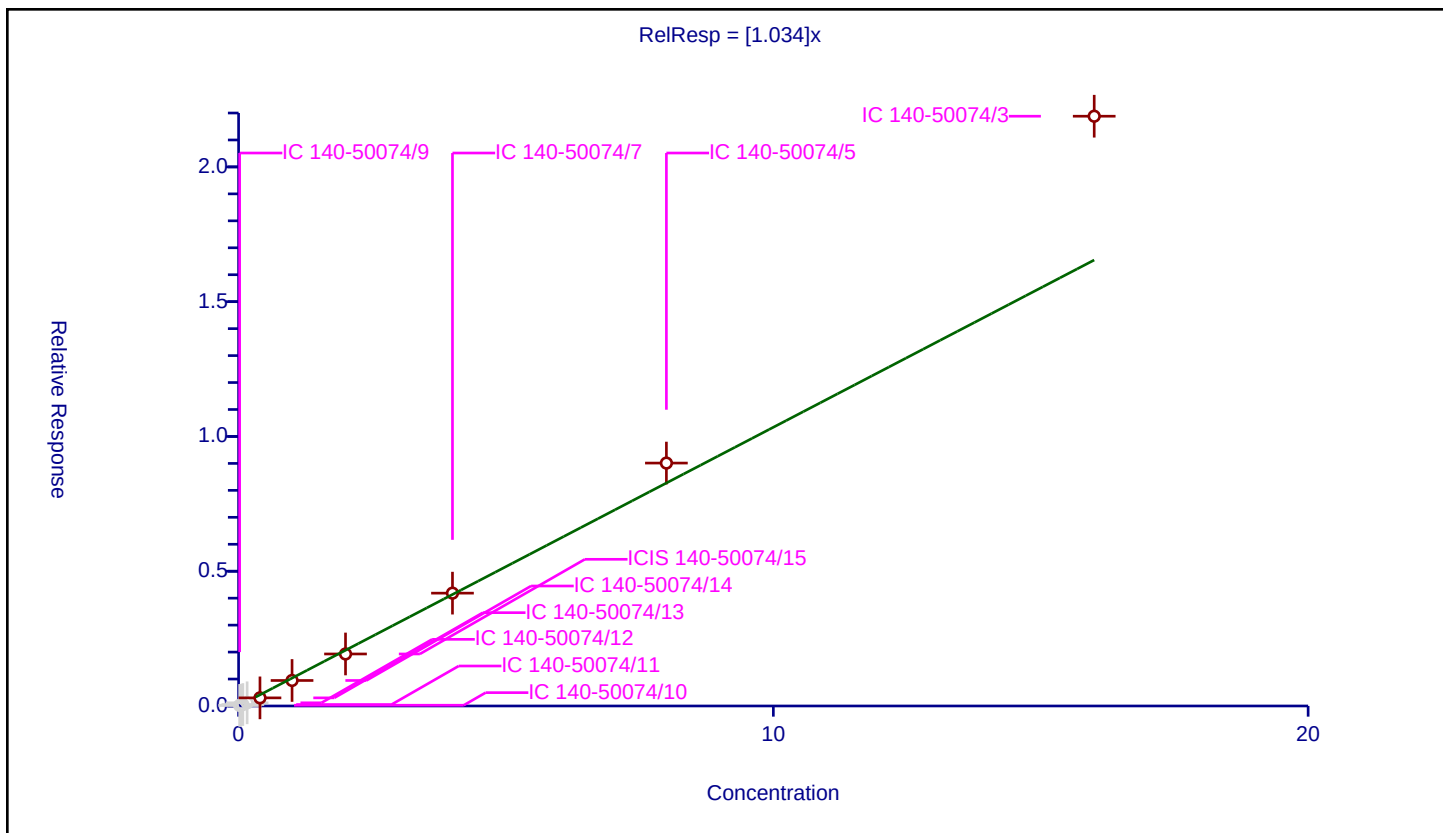
Curve Coefficients

Intercept: 0
 Slope: 1.034

Error Coefficients

Standard Error: 2760000
 Relative Standard Error: 19.9
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.02	0.021203	4.8	948567.0	1.060125	N
2	IC 140-50074/10	0.04	0.028397	4.8	892333.0	0.709914	N
3	IC 140-50074/11	0.08	0.054213	4.8	876448.0	0.677667	N
4	IC 140-50074/12	0.16	0.118088	4.8	867543.0	0.73805	N
5	IC 140-50074/13	0.4	0.300872	4.8	884245.0	0.752181	Y
6	IC 140-50074/14	1.0	0.946646	4.8	945670.0	0.946646	Y
7	ICIS 140-50074/15	2.0	1.929675	4.8	1031731.0	0.964838	Y
8	IC 140-50074/7	4.0	4.186838	4.8	1207386.0	1.04671	Y
9	IC 140-50074/5	8.0	9.012611	4.8	1330216.0	1.126576	Y
10	IC 140-50074/3	16.0	21.880968	4.8	1209824.0	1.36756	Y



Calibration

/ 2-Methylnaphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

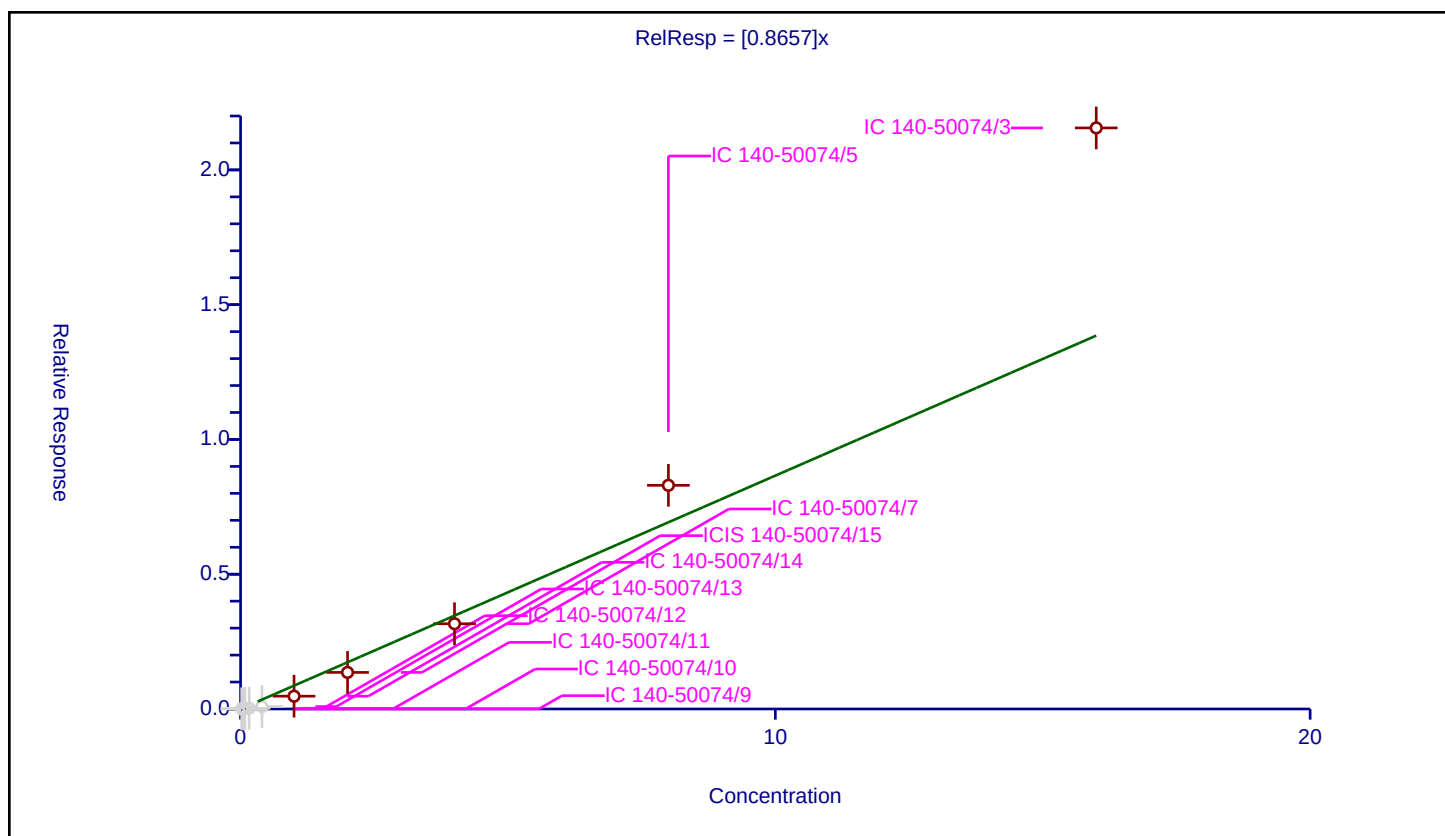
Curve Coefficients

Intercept: 0
Slope: 0.8657

Error Coefficients

Standard Error: 2980000
Relative Standard Error: 38.9
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.852

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.020001	0.005414	4.8	948567.0	0.270711	N
2	IC 140-50074/10	0.040002	0.005992	4.8	892333.0	0.149802	N
3	IC 140-50074/11	0.080004	0.014261	4.8	876448.0	0.178256	N
4	IC 140-50074/12	0.160008	0.026923	4.8	867543.0	0.16826	N
5	IC 140-50074/13	0.40002	0.089497	4.8	884245.0	0.223732	N
6	IC 140-50074/14	1.00005	0.475249	4.8	945670.0	0.475225	Y
7	ICIS 140-50074/15	2.0001	1.35667	4.8	1031731.0	0.678301	Y
8	IC 140-50074/7	4.000199	3.162368	4.8	1207386.0	0.790553	Y
9	IC 140-50074/5	8.000399	8.29839	4.8	1330216.0	1.037247	Y
10	IC 140-50074/3	16.000797	21.559031	4.8	1209824.0	1.347372	Y



Calibration

/ 1-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

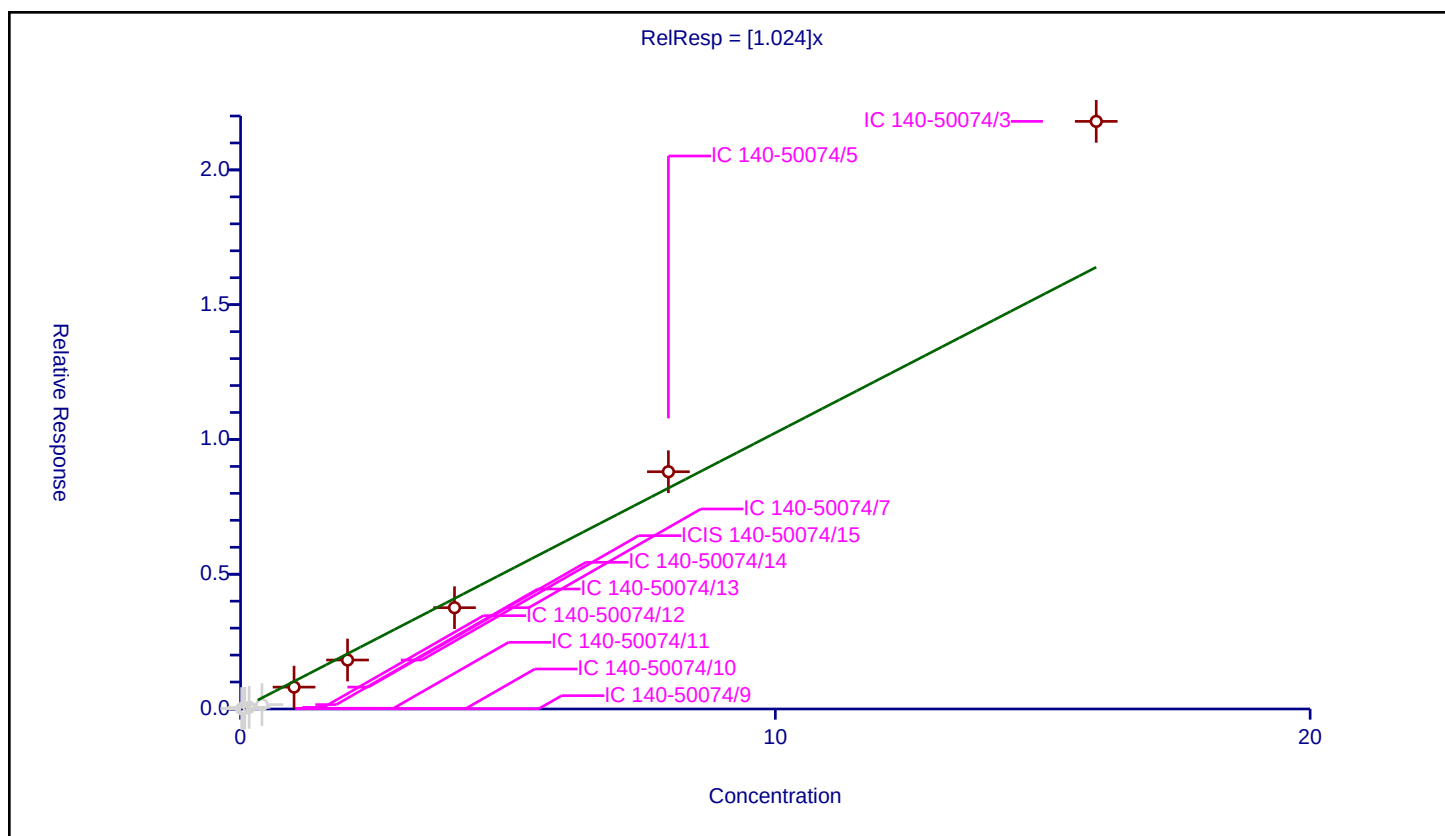
Curve Coefficients

Intercept: 0
 Slope: 1.024

Error Coefficients

Standard Error: 3050000
 Relative Standard Error: 21.1
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.942

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50074/9	0.020001	0.013131	4.8	948567.0	0.656537	N
2	IC 140-50074/10	0.040002	0.014147	4.8	892333.0	0.353662	N
3	IC 140-50074/11	0.080004	0.026721	4.8	876448.0	0.333991	N
4	IC 140-50074/12	0.160008	0.059445	4.8	867543.0	0.371514	N
5	IC 140-50074/13	0.40002	0.162482	4.8	884245.0	0.406184	N
6	IC 140-50074/14	1.00005	0.811402	4.8	945670.0	0.811361	Y
7	ICIS 140-50074/15	2.0001	1.817302	4.8	1031731.0	0.908606	Y
8	IC 140-50074/7	4.000199	3.757755	4.8	1207386.0	0.939392	Y
9	IC 140-50074/5	8.000399	8.80295	4.8	1330216.0	1.100314	Y
10	IC 140-50074/3	16.000797	21.800733	4.8	1209824.0	1.362478	Y



FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-50646/9	SF09IC01.D
Level 2	IC 140-50646/10	SF09IC02.D
Level 3	IC 140-50646/11	SF09IC03.D
Level 4	IC 140-50646/12	SF09IC04.D
Level 5	IC 140-50646/13	SF09IC05.D
Level 6	IC 140-50646/14	SF09IC06.D
Level 7	ICIS 140-50646/15	SF09IC07.D
Level 8	IC 140-50646/7	SF09IC08.D
Level 9	IC 140-50646/5	SF09IC09.D
Level 10	IC 140-50646/3	SF09IC10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorodifluoromethane	+++++ 2.6645	3.0077 2.7261	2.9570 2.4786	2.8523 2.4891	2.7114 2.4748	Ave		2.706 8				7.5		30.0			
Propene	+++++ 1.1711	+++++ 1.1601	+++++ 1.0696	1.2847 1.0641	1.2518 1.0630	Ave		1.152 1				8.0		30.0			
Dichlorodifluoromethane	+++++ 3.7941	4.1674 3.8608	3.8571 3.6989	3.8751 3.5947	3.8942 3.4408	Ave		3.798 1				5.4		30.0			
Chloromethane	+++++ 0.5656	+++++ 0.5767	0.6762 0.4195	0.7438 0.4311	0.6091 0.4799	Ave		0.562 7				20.4		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.4435	3.8454 3.5930	3.5879 3.3111	3.7383 3.3337	3.6779 3.2400	Ave		3.530 1				5.9		30.0			
Vinyl chloride	2.0868 1.8339	1.9524 1.8840	1.8472 1.3318	1.9714 1.4235	1.9483 1.6464	Ave		1.792 6				13.8		30.0			
1,3-Butadiene	+++++ 1.4150	1.1846 1.4043	1.2260 0.8885	1.4508 0.9662	1.4758 1.2614	Ave		1.252 5				16.9		30.0			
Butane	+++++ 2.3086	+++++ 2.3567	2.0041 1.3261	2.4670 1.4692	2.4429 2.0373	Ave		2.051 5				21.4		30.0			
Bromomethane	+++++ 1.5073	+++++ 1.5991	1.6407 1.2103	1.8313 1.1266	1.6684 1.4178	Ave		1.500 2				15.9		30.0			
Chloroethane	+++++ 0.6132	0.6573 0.6756	0.6265 0.4688	0.6364 0.4867	0.6882 0.5908	Ave		0.604 8				12.9		30.0			
Ethanol	+++++ 0.4427	+++++ 0.4995	0.4984 0.3144	0.4452 0.3178	0.4999 0.4222	Ave		0.430 0				17.8		30.0			
Vinyl bromide	+++++ 1.4426	1.5538 1.6227	1.5301 1.4355	1.6153 1.4170	1.6304 1.4713	Ave		1.524 3				5.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
2-Methylbutane	++++ 1.7070	++++ 1.5840	1.7694 1.6107	1.8658 1.6099	1.6862 1.6210	Ave		1.681 8				5.8		30.0			
Trichlorofluoromethane	++++ 3.6974	3.9736 3.8357	3.7136 3.6598	4.0907 3.5963	3.8216 3.5025	Ave		3.765 7				4.9		30.0			
Acrolein	++++ 0.4956	++++ 0.5391	0.6433 0.4861	0.5614 0.4994	0.5742 0.5082	Ave		0.538 4				9.9		30.0			
Acetonitrile	++++ 0.5540	++++ 0.6113	++++ 0.5576	0.7996 0.5566	0.5924 0.5518	Ave		0.603 3				14.8		30.0			
Acetone	++++ 0.8304	++++ 0.8004	++++ 0.6995	++++ 0.6802	1.3263 0.6871	Lin	0.557 4	0.671 4							1.0000		0.9900
Isopropyl alcohol	++++ 1.8289	2.0073 2.0108	1.8370 1.8305	1.9566 1.8314	1.9425 1.8322	Ave		1.897 5				4.2		30.0			
Pentane	++++ 0.1646	++++ 0.1633	0.1412 0.1575	0.1796 0.1477	0.1537 0.1483	Ave		0.157 0				7.7		30.0			
Ethyl ether	++++ 1.2907	1.3417 1.3237	1.2846 1.2136	1.3196 1.2270	1.3099 1.2461	Ave		1.284 1				3.5		30.0			
1,1-Dichloroethene	++++ 1.3455	1.5055 1.3876	1.3936 1.3088	1.4421 1.2933	1.3913 1.2769	Ave		1.371 6				5.4		30.0			
t-Butyl alcohol	++++ 2.4847	2.5830 2.6893	2.6509 2.5524	2.5843 2.5212	2.5826 2.4875	Ave		2.570 7				2.7		30.0			
Acrylonitrile	++++ 1.1857	++++ 1.1992	1.4037 1.1278	1.3181 1.1269	1.2055 1.1385	Ave		1.213 2				8.2		30.0			
1,1,2-Trichlorotrifluoroethane	++++ 3.1630	3.4734 3.2530	3.1348 3.1130	3.3631 3.0664	3.2606 3.0586	Ave		3.209 6				4.4		30.0			
Methylene Chloride	++++ 1.3391	++++ 1.3377	++++ 1.2438	1.7329 1.2163	1.4539 1.1870	Ave		1.358 7				13.9		30.0			
3-Chloropropene	++++ 0.9658	++++ 1.0435	0.9994 0.9683	1.1482 0.9764	1.0679 0.9640	Ave		1.016 7				6.5		30.0			
Carbon disulfide	++++ 4.0487	++++ 4.1607	4.7398 3.9112	4.5877 3.9178	4.1873 3.8805	Ave		4.179 2				7.7		30.0			
trans-1,2-Dichloroethene	++++ 1.3304	1.3268 1.3731	1.3982 1.3331	1.4212 1.3292	1.3224 1.3263	Ave		1.351 2				2.7		30.0			
2-Methylpentane	++++ 3.1651	3.3780 3.3035	3.3697 3.0708	3.2849 3.0754	3.1707 3.1686	Ave		3.220 7				3.6		30.0			
Methyl tert-butyl ether	++++ 3.3816	3.3158 3.5200	3.3032 3.3740	3.4463 3.3902	3.3500 3.3194	Ave		3.377 8				2.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
1,1-Dichloroethane	++++ 2.8760	3.4279 2.9145	3.1359 2.7562	3.0498 2.7366	2.9149 2.7217	Ave		2.948 2				7.7		30.0			
Vinyl acetate	++++ 3.0249	2.8123 3.2500	2.8002 3.1786	2.8802 3.3839	2.8808 3.5483	Ave		3.084 3				8.8		30.0			
2-Butanone	++++ 0.6314	++++ 0.6498	0.8676 0.6189	0.7290 0.6165	0.7624 0.6191	Ave		0.686 8				13.3		30.0			
Hexane	1.2872 1.1907	1.1685 1.1899	1.1351 1.1196	1.2078 1.1351	1.2050 1.1500	Ave		1.178 9				4.2		30.0			
cis-1,2-Dichloroethene	1.5736 1.3809	1.4633 1.4388	1.3959 1.3757	1.4042 1.3898	1.3825 1.3873	Ave		1.419 2				4.3		30.0			
Ethyl acetate	++++ 3.1005	3.3968 3.2344	3.2745 3.0594	3.1658 3.0975	3.1563 3.1834	Ave		3.185 4				3.3		30.0			
Chloroform	++++ 3.0357	3.3885 3.0899	3.2782 2.9508	3.2597 2.9342	3.0435 2.9388	Ave		3.102 2				5.4		30.0			
Tetrahydrofuran	++++ 1.4877	1.4439 1.5742	1.5260 1.4883	1.4810 1.5119	1.5082 1.5563	Ave		1.508 6				2.6		30.0			
1,1,1-Trichloroethane	++++ 2.7502	3.1026 2.8464	2.7194 2.8065	2.8514 2.8205	2.7543 2.7869	Ave		2.826 5				4.0		30.0			
1,2-Dichloroethane	++++ 0.3915	++++ 0.3975	0.4183 0.3963	0.4028 0.3948	0.3941 0.3965	Ave		0.399 0				2.1		30.0			
1-Butanol	++++ 0.0741	++++ 0.0895	++++ 0.0892	++++ 0.0926	0.0787 0.0956	Ave		0.086 6				9.7		30.0			
Benzene	++++ 0.8640	1.0270 0.8819	0.9418 0.8763	0.9175 0.8864	0.8748 0.9259	Ave		0.910 6				5.6		30.0			
Cyclohexane	++++ 0.1264	++++ 0.1287	0.1159 0.1311	0.1228 0.1309	0.1203 0.1338	Ave		0.126 2				4.9		30.0			
Carbon tetrachloride	0.6480 0.4852	0.5613 0.6052	0.5484 0.6068	0.4392 0.6654	0.5494 0.6419	Ave		0.575 1				12.7		30.0			
2,3-Dimethylpentane	++++ 0.1753	0.1554 0.1797	0.1620 0.1816	0.1582 0.1789	0.1647 0.1829	Ave		0.171 0				6.3		30.0			
Thiophene	++++ 0.4996	0.4833 0.5081	0.4980 0.5016	0.5000 0.5046	0.4858 0.5167	Ave		0.499 7				2.1		30.0			
2,2,4-Trimethylpentane	++++ 1.5729	1.5478 1.6164	1.4903 1.5912	1.4984 1.6287	1.5273 1.7345	Ave		1.578 6				4.8		30.0			
Heptane	++++ 0.2463	0.2350 0.2762	0.2249 0.2719	0.2256 0.2769	0.2587 0.2885	Ave		0.256 0				9.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,2-Dichloropropane	++++ 0.4028	0.4297 0.4075	0.4024 0.4057	0.4029 0.4052	0.4005 0.4317	Ave		0.409 8				2.9		30.0			
Trichloroethene	0.4944 0.3781	0.4046 0.3825	0.4102 0.3987	0.3892 0.3981	0.3707 0.4162	Ave		0.404 3				8.6		30.0			
Dibromomethane	++++ 0.3691	0.4693 0.3733	0.3942 0.3818	0.3991 0.3861	0.3575 0.3954	Ave		0.391 8				8.2		30.0			
Bromodichloromethane	++++ 0.5845	0.6122 0.6050	0.5354 0.6219	0.5555 0.6370	0.5519 0.6683	Ave		0.596 9				7.3		30.0			
1,4-Dioxane	++++ 0.1188	++++ 0.1366	++++ 0.1301	0.1102 0.1291	0.1165 0.1318	Ave		0.124 7				7.7		30.0			
Methyl methacrylate	0.3522 0.3456	0.3411 0.3657	0.3061 0.3653	0.2959 0.3749	0.3193 0.3944	Ave		0.346 0				9.0		30.0			
Methylcyclohexane	++++ 0.4916	++++ 0.5185	0.4103 0.5192	0.4312 0.5302	0.4573 0.5542	LinF		0.547 4							0.9990		0.9900
4-Methyl-2-pentanone (MIBK)	++++ 0.6550	0.6659 0.6864	0.5824 0.6774	0.6228 0.6992	0.6275 0.7546	Ave		0.663 5				7.5		30.0			
cis-1,3-Dichloropropene	0.4929 0.4671	0.4444 0.4840	0.4068 0.5035	0.4461 0.5164	0.4300 0.5353	Ave		0.472 7				8.6		30.0			
trans-1,3-Dichloropropene	++++ 0.4541	0.4470 0.4840	0.3821 0.5002	0.4058 0.5159	0.4183 0.5230	Ave		0.458 9				11.0		30.0			
Toluene	++++ 1.1953	1.4009 1.2376	1.1898 1.2321	1.1432 1.2441	1.1649 1.2823	Ave		1.232 2				6.2		30.0			
1,1,2-Trichloroethane	++++ 0.4082	0.4244 0.4099	0.4124 0.4004	0.4362 0.4009	0.3994 0.4102	Ave		0.411 3				2.9		30.0			
2-Hexanone	++++ 0.3912	++++ 0.4317	++++ 0.4364	0.3243 0.4461	0.3593 0.4698	Ave		0.408 4				12.8		30.0			
Octane	++++ 0.3105	++++ 0.3241	0.2348 0.3250	0.2823 0.3312	0.2818 0.3417	Ave		0.303 9				11.7		30.0			
C8 Range	++++ 2.8018	++++ 2.8739	++++ 2.8203	2.6362 2.8892	2.9763 3.0725	Ave		2.867 2				4.8		30.0			
Dibromochloromethane	++++ 0.6821	++++ 0.7679	0.6351 0.8125	0.6284 0.8596	0.6434 0.9021	Ave		0.741 4				14.7		30.0			
1,2-Dibromoethane	++++ 0.6815	0.6945 0.7021	0.6769 0.7285	0.6604 0.7539	0.6525 0.7741	Ave		0.702 7				5.9		30.0			
Tetrachloroethene	0.6056 0.4622	0.5204 0.4770	0.4680 0.4844	0.4857 0.4889	0.4527 0.5160	Ave		0.496 1				8.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorobenzene	++++ 1.0083	++++ 1.0255	1.1251 1.0402	1.0460 1.0757	0.9980 1.1163	Ave		1.054 4				4.5		30.0			
Ethylbenzene	++++ 1.4922	1.5641 1.5485	1.4149 1.5672	1.4379 1.6149	1.4037 1.7079	Ave		1.527 9				6.6		30.0			
m-Xylene & p-Xylene	++++ 1.1963	1.2236 1.2472	1.1225 1.2693	1.1425 1.3184	1.1282 1.4058	Ave		1.228 2				7.7		30.0			
Nonane	++++ 0.8475	++++ 0.8824	0.6204 0.8825	0.7130 0.9095	0.7734 0.9874	Ave		0.827 0				14.3		30.0			
Bromoform	0.7806 0.7568	0.6593 0.8804	0.6028 1.0274	0.5916 1.1651	0.6767 ++++	Ave		0.793 4				24.8		30.0			
Styrene	++++ 0.8824	++++ 0.9541	0.7478 0.9951	0.7371 1.0508	0.7879 1.1179	Ave		0.909 1				15.8		30.0			
o-Xylene	++++ 1.2507	1.2252 1.2907	1.2042 1.2720	1.2037 1.2938	1.1898 1.3789	Ave		1.256 6				4.8		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9646	0.9541 1.0003	0.9094 1.0041	0.9536 1.0281	0.8873 1.1123	Ave		0.979 3				6.8		30.0			
1,2,3-Trichloropropane	++++ 0.2081	0.1846 0.2157	0.1840 0.2215	0.2132 0.2231	0.1979 0.2350	Ave		0.209 2				8.3		30.0			
Isopropylbenzene	++++ 1.6852	1.7024 1.7793	1.6004 1.8264	1.6002 1.8812	1.5592 2.0364	Ave		1.741 2				8.9		30.0			
Propylbenzene	++++ 0.4548	++++ 0.4844	0.4072 0.5005	0.3994 0.5199	0.4035 0.5671	Ave		0.467 1				13.2		30.0			
2-Chlorotoluene	++++ 0.4484	0.4683 0.4643	0.4743 0.4705	0.4414 0.4810	0.4109 0.5162	Ave		0.463 9				6.3		30.0			
4-Ethyltoluene	++++ 1.7494	1.6840 1.8538	1.5289 1.8896	1.6409 1.9892	1.6334 2.1681	Ave		1.793 0				11.2		30.0			
1,3,5-Trimethylbenzene	++++ 0.6728	0.6536 0.7295	0.6335 0.7424	0.6306 0.7772	0.6530 0.8414	Ave		0.703 8				10.4		30.0			
Alpha Methyl Styrene	++++ 0.6514	++++ 0.7497	++++ 0.7946	0.5169 0.8519	0.5389 0.9518	Ave		0.722 2				22.4		30.0			
Decane	++++ 1.1840	0.9505 1.2054	0.9584 1.2164	1.0630 1.2505	1.0989 1.3138	Ave		1.137 9				11.2		30.0			
tert-Butylbenzene	++++ 1.5459	1.4842 1.6285	1.4496 1.7020	1.4850 1.8045	1.4308 1.9440	Ave		1.608 3				11.0		30.0			
1,2,4-Trimethylbenzene	++++ 1.5664	1.4489 1.6449	1.3828 1.6924	1.5079 1.7943	1.4180 1.9167	Ave		1.596 9				11.3		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
sec-Butylbenzene	2.5234 2.2207	2.0873 2.3501	2.0700 2.4353	2.1259 2.6067	2.0310 2.8057	Ave		2.325 6				11.3		30.0			
1,3-Dichlorobenzene	++++ 1.0834	1.3314 1.1660	1.1855 1.2451	1.1083 1.3318	1.0360 1.4675	Ave		1.217 2				11.5		30.0			
Benzyl chloride	++++ 1.0393	++++ 1.1514	0.8808 1.2368	0.8398 1.3678	0.9011 1.5412	Ave		1.119 8				22.5		30.0			
1,4-Dichlorobenzene	++++ 1.0614	1.3137 1.1502	1.1691 1.2264	1.0837 1.3369	0.9945 1.4689	Ave		1.200 5				12.6		30.0			
4-Isopropyltoluene	++++ 1.7822	++++ 1.8861	1.5748 1.9557	1.6350 2.0653	1.6049 2.2603	Ave		1.845 5				13.2		30.0			
1,2,3-Trimethylbenzene	1.6093 1.5671	1.3750 1.6470	1.4515 1.6900	1.4955 1.7522	1.4489 1.9400	Ave		1.597 6				10.6		30.0			
Indane	1.5470 1.4895	1.3278 1.5937	1.3671 1.6704	1.3910 1.7885	1.3562 1.8683	Ave		1.539 9				12.3		30.0			
1,2-Dichlorobenzene	++++ 1.0976	1.3345 1.1834	1.1684 1.2679	1.1102 1.3555	1.0429 1.4352	Ave		1.221 7				10.9		30.0			
Butylbenzene	++++ 1.8732	1.8018 1.9909	1.7449 2.0399	1.8098 2.1564	1.7353 2.1995	Ave		1.928 0				9.1		30.0			
Indene	1.2289 1.2284	1.0126 1.3520	1.0035 1.4304	1.0491 1.5247	1.0668 1.6079	Ave		1.250 4				17.7		30.0			
Undecane	++++ 1.3341	1.0712 1.3934	1.1655 1.3992	1.1854 1.4607	1.1230 1.5052	Ave		1.293 1				12.3		30.0			
1,2-Dibromo-3-Chloropropane	++++ 0.4768	++++ 0.5303	0.4519 0.6258	0.4112 0.7159	0.4051 ++++	Ave		0.516 7				22.5		30.0			
1,2,4,5-Tetramethylbenzene	++++ 1.7289	++++ 1.8133	1.6313 1.9059	1.6211 2.0669	1.4818 2.2734	Ave		1.815 3				14.3		30.0			
Dodecane	++++ 1.4459	++++ 1.3514	1.3579 1.3458	1.2816 1.4964	1.0661 1.5184	Ave		1.357 9				10.6		30.0			
1,2,4-Trichlorobenzene	++++ 0.8059	++++ 0.8644	1.0109 1.0183	0.8219 1.1784	0.6556 1.2844	Ave		0.955 0				21.8		30.0			
Naphthalene	++++ 1.7748	3.0839 1.8094	2.2744 2.0303	1.8091 2.3112	1.4785 2.4139	Lin1 F		2.266 8							0.9900		0.9900
Hexachlorobutadiene	++++ 1.3750	1.8228 1.3834	1.6491 1.3811	1.5496 1.4061	1.1731 1.3334	Ave		1.452 6				13.2		30.0			
1,2,3-Trichlorobenzene	++++ 0.9624	++++ 0.9365	1.3021 0.9663	1.1293 1.0102	0.8339 0.9822	Ave		1.015 3				14.0		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10												
2-Methylnaphthalene	+++++ 0.4942	+++++ 0.4948	+++++ 0.5514	0.4041 0.6951	0.3530 0.5600	Ave		0.507 5				22.0		50.0			
1-Methylnaphthalene	+++++ 0.5877	+++++ 0.5397	+++++ 0.5801	0.6082 0.6705	0.4776 0.4856	Ave		0.564 2				12.2		50.0			
4-Bromofluorobenzene (Surr)	0.7208 0.7471	0.7096 0.7611	0.7188 0.7567	0.7179 0.7671	0.7249 0.7847	Ave		0.740 9				3.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-50646/9	SF09IC01.D
Level 2	IC 140-50646/10	SF09IC02.D
Level 3	IC 140-50646/11	SF09IC03.D
Level 4	IC 140-50646/12	SF09IC04.D
Level 5	IC 140-50646/13	SF09IC05.D
Level 6	IC 140-50646/14	SF09IC06.D
Level 7	ICIS 140-50646/15	SF09IC07.D
Level 8	IC 140-50646/7	SF09IC08.D
Level 9	IC 140-50646/5	SF09C09.D
Level 10	IC 140-50646/3	SF09IC10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Chlorodifluoromethane	CBM	Ave	+++++ 117793	5418 246215	10181 513977	18848 1007023	46159 1822300	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Ave	+++++ 51774	+++++ 104777	+++++ 221790	8489 430525	21311 782704	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Dichlorodifluoromethane	CBM	Ave	+++++ 167729	7507 348698	13280 767017	25606 1454345	66295 2533605	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 25005	+++++ 52090	2328 86996	4915 174414	10369 353376	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichlorotetrafluoroethane	CBM	Ave	+++++ 152228	6927 324512	12353 686603	24702 1348730	62612 2385751	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	2033 81071	3517 170156	6360 276159	13027 575921	33168 1212332	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 62553	2134 126837	4221 184237	9587 390898	25123 928814	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 102060	+++++ 212849	6900 274992	16302 594391	41587 1500147	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 66635	+++++ 144428	5649 250964	12101 455783	28403 1044018	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 27109	1184 61015	2157 97208	4205 196901	11716 435044	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	+++++ 97864	+++++ 225592	8580 325999	14710 642875	42548 1554519	+++++ 5.00	+++++ 10.0	0.400 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	+++++ 63775	2799 146563	5268 297670	10674 573290	27756 1083407	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Methylbutane	CBM	Ave	++++ 75462	++++ 143066	6092 334005	12329 651320	28705 1193639	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichlorofluoromethane	CBM	Ave	++++ 163456	7158 346437	12786 758913	27031 1454971	65059 2579002	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrolein	CBM	Ave	++++ 21911	++++ 48694	2215 100804	3710 202026	9775 374239	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acetonitrile	CBM	Ave	++++ 24493	++++ 55209	++++ 115623	5284 225200	10085 406345	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Acetone	CBM	Lin	++++ 110125	++++ 216876	++++ 435176	++++ 825623	67737 1517915	++++ 3.00	++++ 6.00	++++ 12.0	++++ 24.0	1.20 48.0
Isopropyl alcohol	CBM	Ave	++++ 242553	10848 544844	18974 1138746	38788 2222773	99208 4047438	++++ 3.00	0.120 6.00	0.240 12.0	0.480 24.0	1.20 48.0
Pentane	CBM	Ave	++++ 7278	++++ 14746	486 32659	1187 59745	2616 109163	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl ether	CBM	Ave	++++ 57061	2417 119552	4423 251657	8720 496425	22300 917584	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	++++ 59482	2712 125328	4798 271402	9529 523246	23685 940251	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
t-Butyl alcohol	CBM	Ave	++++ 109844	4653 242896	9127 529279	17077 1019999	43966 1831629	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	++++ 52418	++++ 108307	4833 233872	8710 455925	20523 838309	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichlorotrifluoroethane	CBM	Ave	++++ 139828	6257 293810	10793 645527	22223 1240591	55508 2252178	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Ave	++++ 59198	++++ 120818	++++ 257913	11451 492101	24751 874066	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
3-Chloropropene	CBM	Ave	++++ 42695	++++ 94246	3441 200786	7587 395042	18180 709825	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	++++ 178986	++++ 375786	16319 811041	30315 1585024	71284 2857354	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	++++ 58814	2390 124015	4814 276428	9391 537774	22513 976643	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	++++ 139922	6085 298371	11602 636773	21706 1244232	53977 2333132	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl tert-butyl ether	CBM	Ave	++++ 149492	5973 317918	11373 699643	22773 1371586	57030 2444231	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,1-Dichloroethane	CBM	Ave	++++ 127143	6175 263235	10797 571536	20153 1107152	49622 2004074	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	++++ 133726	5066 293532	9641 659116	19032 1369044	49042 2612790	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Butanone	CBM	Ave	++++ 27915	++++ 58687	2987 128340	4817 249406	12979 455861	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	1254 52639	2105 107471	3908 232171	7981 459237	20513 846787	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	1533 61045	2636 129946	4806 285280	9279 562280	23536 1021526	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl acetate	CBM	Ave	++++ 137068	6119 292128	11274 634416	20919 1253181	53732 2344089	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	++++ 134201	6104 279073	11287 611896	21540 1187111	51812 2163975	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	++++ 65770	2601 142183	5254 308626	9786 611666	25676 1145975	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	++++ 121582	5589 257084	9363 581962	18842 1141088	46888 2052087	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloroethane	DFBZ	Ave	++++ 86274	++++ 180881	7105 400791	13428 781784	34141 1404227	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	++++ 16329	++++ 40712	++++ 90249	++++ 183322	6818 338467	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Benzene	DFBZ	Ave	++++ 190393	9146 401261	15996 886345	30588 1755393	75788 3279565	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	++++ 27844	++++ 58552	1968 132598	4093 259182	10425 473996	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	3109 106914	4999 275363	9315 613775	14643 1317713	47596 2273516	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,3-Dimethylpentane	DFBZ	Ave	++++ 38640	1384 81749	2752 183630	5275 354223	14265 647780	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	++++ 110091	4304 231173	8459 507303	16669 999264	42086 1830063	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 346609	13784 735455	25313 1609448	49953 3225422	132316 6143404	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	++++ 54278	2093 125659	3820 275019	7520 548378	22409 1021701	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,2-Dichloropropane	DFBZ	Ave	++++ 88754	3827 185423	6835 410302	13433 802449	34696 1529110	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	2372 83320	3603 174035	6968 403248	12974 788332	32117 1473986	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	++++ 81338	4179 169861	6696 386165	13306 764507	30974 1400448	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	++++ 128811	5452 275272	9094 629018	18520 1261391	47813 2367011	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	++++ 26189	++++ 62173	++++ 131580	3674 255715	10093 466934	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	1690 76158	3038 166371	5199 369494	9864 742441	27659 1397016	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	LinF	++++ 108344	++++ 235915	6969 525121	14376 1049970	39617 1962781	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	++++ 144335	5930 312326	9892 685140	20763 1384684	54361 2672724	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,3-Dichloropropene	DFBZ	Ave	2365 102924	3958 220235	6910 509258	14873 1022539	37256 1896072	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd 5	Ave	++++ 84600	3368 188531	5461 441867	11466 904806	30862 1672968	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	Ave	++++ 222654	10556 482110	17003 1088536	32300 2181685	85952 4101799	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd 5	Ave	++++ 76041	3198 159671	5893 353772	12324 703045	29471 1312017	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	++++ 72870	++++ 168180	++++ 385502	9162 782298	26511 1502743	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Octane	CBZd 5	Ave	++++ 57846	++++ 126250	3355 287100	7977 580908	20791 1093031	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	++++ 617430	++++ 1307627	++++ 2852584	87885 5721505	257854 10882293	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Dibromochloromethane	CBZd 5	Ave	+++++	+++++	9076	17755	47471	+++++	+++++	0.0800	0.160	0.400
			127065	299128	717786	1507467	2885679	1.00	2.00	4.00	8.00	16.0
1,2-Dibromoethane	CBZd 5	Ave	+++++	5233	9674	18658	48144	+++++	0.0400	0.0800	0.160	0.400
			126946	273499	643609	1322147	2476203	1.00	2.00	4.00	8.00	16.0
Tetrachloroethene	CBZd 5	Ave	2422	3921	6688	13723	33405	0.0200	0.0400	0.0800	0.160	0.400
			86091	185793	427960	857425	1650718	1.00	2.00	4.00	8.00	16.0
Chlorobenzene	CBZd 5	Ave	+++++	+++++	16079	29554	73635	+++++	+++++	0.0800	0.160	0.400
			187825	399481	918938	1886355	3570818	1.00	2.00	4.00	8.00	16.0
Ethylbenzene	CBZd 5	Ave	+++++	11786	20221	40625	103572	+++++	0.0400	0.0800	0.160	0.400
			277967	603211	1384532	2832075	5463252	1.00	2.00	4.00	8.00	16.0
m-Xylene & p-Xylene	CBZd 5	Ave	+++++	18440	32084	64559	166491	+++++	0.0800	0.160	0.320	0.800
			445686	971700	2242767	4624235	8993463	2.00	4.00	8.00	16.0	32.0
Nonane	CBZd 5	Ave	+++++	+++++	8866	20145	57067	+++++	+++++	0.0800	0.160	0.400
			157879	343724	779669	1595023	3158556	1.00	2.00	4.00	8.00	16.0
Bromoform	CBZd 5	Ave	3122	4968	8614	16716	49932	0.0200	0.0400	0.0800	0.160	0.400
			140985	342957	907625	2043272	+++++	1.00	2.00	4.00	8.00	+++++
Styrene	CBZd 5	Ave	+++++	+++++	10687	20825	58135	+++++	+++++	0.0800	0.160	0.400
			164378	371654	879115	1842711	3575900	1.00	2.00	4.00	8.00	16.0
o-Xylene	CBZd 5	Ave	+++++	9232	17210	34008	87786	+++++	0.0400	0.0800	0.160	0.400
			232980	502776	1123786	2268843	4410962	1.00	2.00	4.00	8.00	16.0
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	+++++	7189	12996	26942	65471	+++++	0.0400	0.0800	0.160	0.400
			179690	389642	887063	1802947	3558153	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichloropropane	CBZd 5	Ave	+++++	1391	2629	6023	14605	+++++	0.0400	0.0800	0.160	0.400
			38767	84024	195711	391270	751799	1.00	2.00	4.00	8.00	16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Isopropylbenzene	CBZd 5	Ave	+++++	12828	22871	45213	115048	+++++	0.0400	0.0800	0.160	0.400
			313926	693098	1613524	3299043	6513917	1.00	2.00	4.00	8.00	16.0
Propylbenzene	CBZd 5	Ave	+++++	+++++	5819	11286	29775	+++++	+++++	0.0800	0.160	0.400
			84715	188697	442172	911691	1814127	1.00	2.00	4.00	8.00	16.0
2-Chlorotoluene	CBZd 5	Ave	+++++	3529	6778	12472	30320	+++++	0.0400	0.0800	0.160	0.400
			83521	180877	415626	843585	1651364	1.00	2.00	4.00	8.00	16.0
4-Ethyltoluene	CBZd 5	Ave	+++++	12689	21849	46362	120516	+++++	0.0400	0.0800	0.160	0.400
			325886	722143	1669396	3488504	6935222	1.00	2.00	4.00	8.00	16.0
1,3,5-Trimethylbenzene	CBZd 5	Ave	+++++	4925	9054	17816	48183	+++++	0.0400	0.0800	0.160	0.400
			125329	284184	655900	1362969	2691573	1.00	2.00	4.00	8.00	16.0
Alpha Methyl Styrene	CBZd 5	Ave	+++++	+++++	+++++	14604	39760	+++++	+++++	+++++	0.160	0.400
			121344	292054	702032	1494027	3044667	1.00	2.00	4.00	8.00	16.0
Decane	CBZd 5	Ave	+++++	7162	13697	30034	81085	+++++	0.0400	0.0800	0.160	0.400
			220553	469544	1074614	2193072	4202714	1.00	2.00	4.00	8.00	16.0
tert-Butylbenzene	CBZd 5	Ave	+++++	11184	20716	41958	105574	+++++	0.0400	0.0800	0.160	0.400
			287973	634346	1503616	3164566	6218364	1.00	2.00	4.00	8.00	16.0
1,2,4-Trimethylbenzene	CBZd 5	Ave	+++++	10918	19761	42603	104625	+++++	0.0400	0.0800	0.160	0.400
			291783	640766	1495155	3146680	6131272	1.00	2.00	4.00	8.00	16.0
sec-Butylbenzene	CBZd 5	Ave	10092	15728	29582	60064	149859	0.0200	0.0400	0.0800	0.160	0.400
			413677	915453	2151530	4571366	8974833	1.00	2.00	4.00	8.00	16.0
1,3-Dichlorobenzene	CBZd 5	Ave	+++++	10032	16942	31314	76440	+++++	0.0400	0.0800	0.160	0.400
			201820	454199	1099993	2335501	4694270	1.00	2.00	4.00	8.00	16.0
Benzyl chloride	CBZd 5	Ave	+++++	+++++	12588	23729	66489	+++++	+++++	0.0800	0.160	0.400
			193602	448531	1092633	2398739	4930091	1.00	2.00	4.00	8.00	16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,4-Dichlorobenzene	CBZd 5	Ave	+++++	9899	16708	30618	73379	+++++	0.0400	0.0800	0.160	0.400
			197720	448040	1083447	2344474	4698809	1.00	2.00	4.00	8.00	16.0
4-Isopropyltoluene	CBZd 5	Ave	+++++	+++++	22505	46195	118416	+++++	+++++	0.0800	0.160	0.400
			332001	734694	1727769	3621943	7230272	1.00	2.00	4.00	8.00	16.0
1,2,3-Trimethylbenzene	CBZd 5	Ave	6436	10361	20743	42254	106906	0.0200	0.0400	0.0800	0.160	0.400
			291915	641557	1493023	3072823	6205658	1.00	2.00	4.00	8.00	16.0
Indane	CBZd 5	Ave	6187	10005	19537	39301	100063	0.0200	0.0400	0.0800	0.160	0.400
			277475	620812	1475703	3136511	5976298	1.00	2.00	4.00	8.00	16.0
1,2-Dichlorobenzene	CBZd 5	Ave	+++++	10056	16698	31368	76947	+++++	0.0400	0.0800	0.160	0.400
			204454	460974	1120110	2377188	4590793	1.00	2.00	4.00	8.00	16.0
Butylbenzene	CBZd 5	Ave	+++++	13577	24936	51135	128039	+++++	0.0400	0.0800	0.160	0.400
			348950	775534	1802195	3781662	7035725	1.00	2.00	4.00	8.00	16.0
Indene	CBZd 5	Ave	4915	7630	14341	29642	78710	0.0200	0.0400	0.0800	0.160	0.400
			228821	526667	1263709	2673777	5143323	1.00	2.00	4.00	8.00	16.0
Undecane	CBZd 5	Ave	+++++	8072	16656	33491	82861	+++++	0.0400	0.0800	0.160	0.400
			248510	542785	1236145	2561626	4814856	1.00	2.00	4.00	8.00	16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	+++++	+++++	6458	11618	29887	+++++	+++++	0.0800	0.160	0.400
			88812	206567	552864	1255531	+++++	1.00	2.00	4.00	8.00	+++++
1,2,4,5-Tetramethylbenzene	CBZd 5	Ave	+++++	+++++	23313	45801	109331	+++++	+++++	0.0800	0.160	0.400
			322072	706367	1683811	3624681	7272050	1.00	2.00	4.00	8.00	16.0
Dodecane	CBZd 5	Ave	+++++	+++++	19406	36210	78658	+++++	+++++	0.0800	0.160	0.400
			269349	526404	1188977	2624232	4857050	1.00	2.00	4.00	8.00	16.0
1,2,4-Trichlorobenzene	CBZd 5	Ave	+++++	+++++	14447	23223	48375	+++++	+++++	0.0800	0.160	0.400
			150127	336706	899617	2066613	4108519	1.00	2.00	4.00	8.00	16.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Naphthalene	CBZd 5	Lin1 F	+++++	23238	32504	51115	109091	+++++	0.0400	0.0800	0.160	0.400
			330620	704835	1793674	4053133	7721679	1.00	2.00	4.00	8.00	16.0
Hexachlorobutadiene	CBZd 5	Ave	+++++	13735	23567	43782	86554	+++++	0.0400	0.0800	0.160	0.400
			256135	538903	1220174	2465799	4265409	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichlorobenzene	CBZd 5	Ave	+++++	+++++	18608	31908	61526	+++++	+++++	0.0800	0.160	0.400
			179269	364787	853648	1771635	3141798	1.00	2.00	4.00	8.00	16.0
2-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	+++++	11419	26046	+++++	+++++	+++++	0.160	0.400
			92056	192754	487142	1218999	1791561	1.00	2.00	4.00	8.00	16.0
1-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	+++++	17186	35241	+++++	+++++	+++++	0.160	0.400
			109485	210255	512563	1175966	1553274	1.00	2.00	4.00	8.00	16.0
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	668789	620259	595793	588214	620446	4.64	4.64	4.64	4.64	4.64
			645739	687804	775445	780296	727896	4.64	4.64	4.64	4.64	4.64

Curve Type Legend

Ave = Average ISTD
Lin = Linear ISTD
Lin1F = Linear 1/conc ISTD forced zero
LinF = Linear ISTD forced zero

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-50646/9	SF09IC01.D
Level 2	IC 140-50646/10	SF09IC02.D
Level 3	IC 140-50646/11	SF09IC03.D
Level 4	IC 140-50646/12	SF09IC04.D
Level 5	IC 140-50646/13	SF09IC05.D
Level 6	IC 140-50646/14	SF09IC06.D
Level 7	ICIS 140-50646/15	SF09IC07.D
Level 8	IC 140-50646/7	SF09IC08.D
Level 9	IC 140-50646/5	SF09C09.D
Level 10	IC 140-50646/3	SF09IC10.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #			LVL 7	LVL 8	LVL 9	LVL 10		
Chlorodifluoromethane	+++++	11.1						50				
Propene	+++++	+++++	+++++	11.5						50		
Dichlorodifluoromethane	+++++	9.7						50				
Chloromethane	+++++	+++++	20.2						50			
1,2-Dichlorotetrafluoroethane	+++++	8.9						50				
Vinyl chloride	16.4						50					
1,3-Butadiene	+++++	-5.4						50				
Butane	+++++	+++++	-2.3						50			
Bromomethane	+++++	+++++	9.4						50			
Chloroethane	+++++	8.7						50				
Ethanol	+++++	+++++	15.9						50			
Vinyl bromide	+++++	1.9						50				
2-Methylbutane	+++++	+++++	5.2						50			
Trichlorofluoromethane	+++++	5.5						50				

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Acrolein	+++++	+++++	19.5						50			
Acetonitrile	+++++	+++++	+++++	32.5						50		
Acetone	+++++	+++++	+++++	+++++	28.4						80	
Isopropyl alcohol	+++++	5.8						50				
Pentane	+++++	+++++	-10.1						50			
Ethyl ether	+++++	4.5						50				
1,1-Dichloroethene	+++++	9.8						50				
t-Butyl alcohol	+++++	0.5						50				
Acrylonitrile	+++++	+++++	15.7						50			
1,1,2-Trichlorotrifluoroethane	+++++	8.2						50				
Methylene Chloride	+++++	+++++	+++++	27.5						80		
3-Chloropropene	+++++	+++++	-1.7						50			
Carbon disulfide	+++++	+++++	13.4						50			
trans-1,2-Dichloroethene	+++++	-1.8						50				
2-Methylpentane	+++++	4.9						50				
Methyl tert-butyl ether	+++++	-1.8						50				
1,1-Dichloroethane	+++++	16.3						50				
Vinyl acetate	+++++	-8.8						50				
2-Butanone	+++++	+++++	26.3						50			
Hexane	9.2						50					
cis-1,2-Dichloroethene	10.9						50					

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #			LVL 7	LVL 8	LVL 9	LVL 10		
Ethyl acetate	+++++	6.6						50				
Chloroform	+++++	9.2						50				
Tetrahydrofuran	+++++	-4.3						50				
1,1,1-Trichloroethane	+++++	9.8						50				
1,2-Dichloroethane	+++++	+++++	4.8						50			
1-Butanol	+++++	+++++	+++++	+++++	-9.1						50	
Benzene	+++++	12.8						50				
Cyclohexane	+++++	+++++	-8.2						50			
Carbon tetrachloride	12.7						50					
2,3-Dimethylpentane	+++++	-9.1						50				
Thiophene	+++++	-3.3						50				
2,2,4-Trimethylpentane	+++++	-2.0						50				
Heptane	+++++	-8.2						50				
1,2-Dichloropropane	+++++	4.9						50				
Trichloroethene	22.3						50					
Dibromomethane	+++++	19.8						50				
Bromodichloromethane	+++++	2.6						50				
1,4-Dioxane	+++++	+++++	+++++	-11.7						50		
Methyl methacrylate	1.8						50					
Methylcyclohexane	+++++	+++++	-25.0						50			
4-Methyl-2-pentanone (MIBK)	+++++	0.4						50				

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
cis-1,3-Dichloropropene	4.3						50					
trans-1,3-Dichloropropene	+++++	-2.6						50				
Toluene	+++++	13.7						50				
1,1,2-Trichloroethane	+++++	3.2						50				
2-Hexanone	+++++	+++++	+++++	-20.6						50		
Octane	+++++	+++++	-22.8						50			
Dibromochloromethane	+++++	+++++	-14.3						50			
1,2-Dibromoethane	+++++	-1.2						50				
Tetrachloroethene	22.1						50					
Chlorobenzene	+++++	+++++	6.7						50			
Ethylbenzene	+++++	2.4						50				
m-Xylene & p-Xylene	+++++	-0.4						50				
Nonane	+++++	+++++	-25.0						50			
Bromoform	-1.6			+++++			50					
Styrene	+++++	+++++	-17.7						50			
o-Xylene	+++++	-2.5						50				
1,1,2,2-Tetrachloroethane	+++++	-2.6						50				
1,2,3-Trichloropropane	+++++	-11.8						50				
Isopropylbenzene	+++++	-2.2						50				
Propylbenzene	+++++	+++++	-12.8						50			
2-Chlorotoluene	+++++	0.9						50				

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
4-Ethyltoluene	+++++	-6.1						50				
1,3,5-Trimethylbenzene	+++++	-7.1						50				
Alpha Methyl Styrene	+++++	+++++	+++++	-28.4						50		
Decane	+++++	-16.5						50				
tert-Butylbenzene	+++++	-7.7						50				
1,2,4-Trimethylbenzene	+++++	-9.3						50				
sec-Butylbenzene	8.5						50					
1,3-Dichlorobenzene	+++++	9.4						50				
Benzyl chloride	+++++	+++++	-21.3						50			
1,4-Dichlorobenzene	+++++	9.4						50				
4-Isopropyltoluene	+++++	+++++	-14.7						50			
1,2,3-Trimethylbenzene	0.7						50					
Indane	0.5						50					
1,2-Dichlorobenzene	+++++	9.2						50				
Butylbenzene	+++++	-6.5						50				
Indene	-1.7						50					
Undecane	+++++	-17.2						50				
1,2-Dibromo-3-Chloropropane	+++++	+++++	-12.5	+++++					50			
1,2,4,5-Tetramethylbenzene	+++++	+++++	-10.1						50			
Dodecane	+++++	+++++	0.0						50			
1,2,4-Trichlorobenzene	+++++	+++++	5.9						50			

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1 Analy Batch No.: 50646

SDG No.: _____

Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/09/2021 14:14 Calibration End Date: 06/09/2021 23:44 Calibration ID: 3095

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #	LVL 10 #			LVL 7	LVL 8	LVL 9	LVL 10		
Naphthalene	+++++	36.0						80				
Hexachlorobutadiene	+++++	25.5						50				
1,2,3-Trichlorobenzene	+++++	+++++	28.2						50			
2-Methylnaphthalene	+++++	+++++	+++++	-20.4						80		
1-Methylnaphthalene	+++++	+++++	+++++	7.8						80		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC10.D
 Lims ID: IC L10
 Client ID:
 Sample Type: IC Calib Level: 10
 Inject. Date: 09-Jun-2021 14:14:30 ALS Bottle#: 4 Worklist Smp#: 3
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-003
 Misc. Info.: 387533
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:12:03 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 09-Jun-2021 15:24:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.225	0.019	98	220902	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.412	11.403	0.009	94	1062554	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.076	16.071	0.005	85	959637	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.717	17.713	0.004	97	727896	4.64	4.91	
6 Chlorodifluoromethane	51	3.822	3.810	0.012	95	1822300	16.0	14.6	
7 Propene	41	3.832	3.823	0.009	98	782704	16.0	14.8	
8 Dichlorodifluoromethane	85	3.886	3.878	0.008	99	2533605	16.0	14.5	
9 Chloromethane	52	4.085	4.074	0.011	98	353376	16.0	13.6	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.091	4.080	0.011	88	2385751	16.0	14.7	
11 Acetaldehyde	44	4.247	4.240	0.007	87	2080989	80.0	57.2	
12 Vinyl chloride	62	4.268	4.258	0.010	98	1212332	16.0	14.7	
13 Butadiene	54	4.365	4.352	0.013	71	928814	16.0	16.1	
14 Butane	43	4.365	4.354	0.011	85	1500147	16.0	15.9	
15 Bromomethane	94	4.715	4.702	0.013	99	1044018	16.0	15.1	
16 Chloroethane	64	4.865	4.856	0.009	95	435044	16.0	15.6	
17 Ethanol	31	4.967	4.946	0.021	88	1554519	80.0	78.5	
18 Vinyl bromide	106	5.193	5.180	0.013	99	1083407	16.0	15.4	
19 2-Methylbutane	43	5.242	5.230	0.012	91	1193639	16.0	15.4	
20 Trichlorofluoromethane	101	5.479	5.468	0.011	99	2579002	16.0	14.9	
21 Acrolein	56	5.484	5.476	0.008	88	374239	16.0	15.1	
22 Acetonitrile	40	5.559	5.564	-0.005	100	406345	16.0	14.6	
23 Acetone	58	5.602	5.597	0.005	96	1517915	48.0	48.3	
24 Isopropyl alcohol	45	5.699	5.685	0.014	96	4047438	48.0	46.3	
25 Pentane	72	5.715	5.703	0.012	94	109163	16.0	15.1	
26 Ethyl ether	31	5.877	5.877	0.000	93	917584	16.0	15.5	
27 1,1-Dichloroethene	96	6.232	6.219	0.013	94	940251	16.0	14.9	
29 2-Methyl-2-propanol	59	6.323	6.320	0.003	92	1831629	16.0	15.5	
28 Acrylonitrile	53	6.345	6.327	0.018	95	838309	16.0	15.0	
30 112TCTFE	101	6.415	6.401	0.014	97	2252178	16.0	15.2	
31 Methylene Chloride	84	6.603	6.588	0.015	98	874066	16.0	14.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.614	6.601	0.013	93	709825	16.0	15.2	
33 Carbon disulfide	76	6.770	6.762	0.008	98	2857354	16.0	14.9	
34 trans-1,2-Dichloroethene	96	7.442	7.433	0.009	95	976643	16.0	15.7	
35 2-Methylpentane	43	7.458	7.446	0.012	95	2333132	16.0	15.7	
36 Methyl tert-butyl ether	73	7.550	7.558	-0.008	97	2444231	16.0	15.7	
37 1,1-Dichloroethane	63	7.883	7.870	0.013	99	2004074	16.0	14.8	
38 Vinyl acetate	43	7.980	7.970	0.010	100	2612790	16.0	18.4	
39 2-Butanone (MEK)	72	8.432	8.432	0.000	97	455861	16.0	14.4	
40 Hexane	56	8.470	8.458	0.012	89	846787	16.0	15.6	
41 Isopropyl ether	45	8.615	8.617	-0.002	98	3632685	16.0	16.4	
42 cis-1,2-Dichloroethene	96	8.895	8.883	0.012	98	1021526	16.0	15.6	
43 Ethyl acetate	43	9.061	9.060	0.001	99	2344089	16.0	16.0	
44 Chloroform	83	9.250	9.232	0.018	95	2163975	16.0	15.2	
45 Tert-butyl ethyl ether	59	9.314	9.314	0.000	93	3527670	16.0	16.7	
46 Tetrahydrofuran	42	9.632	9.640	-0.008	96	1145975	16.0	16.5	
47 1,1,1-Trichloroethane	97	10.293	10.285	0.008	97	2052087	16.0	15.8	
48 1,2-Dichloroethane	62	10.406	10.393	0.013	96	1404227	16.0	15.9	
49 n-Butanol	31	10.804	10.814	-0.010	80	338467	16.0	17.7	
51 Benzene	78	10.885	10.874	0.011	97	3279565	16.0	16.3	
50 Cyclohexane	69	10.885	10.874	0.011	89	473996	16.0	17.0	
52 Carbon tetrachloride	117	10.907	10.897	0.010	98	2273516	16.0	17.9	
53 2,3-Dimethylpentane	71	10.993	10.985	0.008	91	647780	16.0	17.1	
54 Thiophene	84	11.159	11.143	0.016	97	1830063	16.0	16.5	
55 Isooctane	57	11.622	11.613	0.009	98	6143404	16.0	17.6	
56 n-Heptane	71	11.988	11.978	0.010	89	1021701	16.0	18.0	
57 1,2-Dichloropropane	63	12.085	12.073	0.012	97	1529110	16.0	16.9	
58 Trichloroethene	130	12.117	12.106	0.011	96	1473986	16.0	16.5	
59 Dibromomethane	93	12.203	12.194	0.009	93	1400448	16.0	16.1	
61 1,4-Dioxane	88	12.337	12.342	-0.005	87	466934	16.0	16.9	
60 Dichlorobromomethane	83	12.343	12.334	0.009	99	2367011	16.0	17.9	
62 Methyl methacrylate	41	12.413	12.411	0.002	95	1397016	16.0	18.2	
63 Methylcyclohexane	83	12.870	12.865	0.005	95	1962781	16.0	16.2	
64 4-Methyl-2-pentanone (MIBK)	43	13.252	13.254	-0.002	95	2672724	16.0	18.2	
65 cis-1,3-Dichloropropene	75	13.322	13.319	0.003	92	1896072	16.0	18.1	
66 trans-1,3-Dichloropropene	75	14.005	14.001	0.004	97	1672968	16.0	18.2	
67 Toluene	91	14.134	14.126	0.008	92	4101799	16.0	16.6	
68 1,1,2-Trichloroethane	83	14.204	14.199	0.005	95	1312017	16.0	16.0	
69 2-Hexanone	58	14.565	14.569	-0.004	94	1502743	16.0	18.4	
70 n-Octane	85	14.791	14.786	0.005	92	1093031	16.0	18.0	
71 Chlorodibromomethane	129	14.904	14.897	0.007	97	2885679	16.0	19.5	
72 Ethylene Dibromide	107	15.194	15.187	0.007	99	2476203	16.0	17.6	
73 Tetrachloroethene	129	15.259	15.253	0.006	98	1650718	16.0	16.6	
75 Chlorobenzene	112	16.125	16.119	0.006	97	3570818	16.0	16.9	
74 2,3-Dimethylheptane	43	16.125	16.120	0.005	92	3481464	16.0	14.9	
76 Ethylbenzene	91	16.404	16.400	0.004	98	5463252	16.0	17.9	
77 m-Xylene & p-Xylene	91	16.560	16.559	0.001	97	8993463	32.0	36.6	
78 n-Nonane	57	16.964	16.962	0.002	89	3158556	16.0	19.1	
79 Bromoform	173	17.023	17.020	0.003	97	4131709	16.0	26.0	
80 Styrene	104	17.034	17.028	0.006	96	3575900	16.0	19.7	
81 o-Xylene	91	17.093	17.088	0.005	99	4410962	16.0	17.6	
82 1,1,2,2-Tetrachloroethane	83	17.421	17.417	0.004	98	3558153	16.0	18.2	
83 1,2,3-Trichloropropane	110	17.583	17.580	0.003	98	751799	16.0	18.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.685	17.679	0.006	95	6513917	16.0	18.7	
85 N-Propylbenzene	120	18.217	18.212	0.005	99	1814127	16.0	19.4	
86 2-Chlorotoluene	126	18.266	18.261	0.005	97	1651364	16.0	17.8	
87 4-Ethyltoluene	105	18.363	18.359	0.004	99	6935222	16.0	19.3	
88 1,3,5-Trimethylbenzene	120	18.433	18.430	0.003	92	2691573	16.0	19.1	
89 Alpha Methyl Styrene	118	18.664	18.659	0.005	90	3044667	16.0	21.1	
90 n-Decane	57	18.707	18.702	0.005	86	4202714	16.0	18.5	
91 tert-Butylbenzene	119	18.858	18.853	0.005	92	6218364	16.0	19.3	
92 1,2,4-Trimethylbenzene	105	18.868	18.865	0.003	95	6131272	16.0	19.2	
93 sec-Butylbenzene	105	19.121	19.117	0.004	99	8974833	16.0	19.3	
94 1,3-Dichlorobenzene	146	19.143	19.138	0.005	94	4694270	16.0	19.3	
95 Benzyl chloride	91	19.218	19.212	0.006	98	4930091	16.0	22.0	
96 1,4-Dichlorobenzene	146	19.229	19.224	0.005	98	4698809	16.0	19.6	
97 4-Isopropyltoluene	119	19.283	19.277	0.006	98	7230272	16.0	19.6	
98 1,2,3-Trimethylbenzene	105	19.336	19.333	0.003	98	6205658	16.0	19.4	
99 Butylcyclohexane	83	19.385	19.381	0.004	95	4658609	16.0	18.5	
100 2,3-Dihydroindene	117	19.584	19.579	0.005	94	5976298	16.0	19.4	
101 1,2-Dichlorobenzene	146	19.589	19.582	0.007	99	4590793	16.0	18.8	
102 n-Butylbenzene	91	19.708	19.704	0.004	97	7035725	16.0	18.3	
103 Indene	116	19.713	19.709	0.004	88	5143323	16.0	20.6	
104 Undecane	57	20.003	19.999	0.004	92	4814856	16.0	18.6	
105 1,2-Dibromo-3-Chloropropane	157	20.181	20.176	0.005	90	2570299	16.0	24.9	
106 1,2,4,5-Tetramethylbenzene	119	20.461	20.456	0.005	96	7272050	16.0	20.0	
107 Dodecane	57	21.074	21.073	0.001	94	4857050	16.0	17.9	
108 1,2,4-Trichlorobenzene	180	21.311	21.307	0.004	92	4108519	16.0	21.5	
109 Naphthalene	128	21.456	21.456	0.000	99	7721679	16.0	17.0	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	89	4265409	16.0	14.7	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	94	3141798	16.0	15.5	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	98	1791561	16.0	17.7	
113 1-Methylnaphthalene	142	22.392	22.388	0.004	99	1553274	16.0	13.8	
A 115 C8 Range	1	14.796	(14.742-14.839)		0	10882293	16.0	17.1	
S 116 Xylenes, Total	100				0		48.0	54.2	
S 117 1,2-Dichloroethene, Total	1				0		32.0	31.3	

QC Flag Legend

Processing Flags

Reagents:

40L10DQP_00025

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:12:03

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC10.D

Injection Date: 09-Jun-2021 14:14:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L10

Worklist Smp#: 3

Client ID:

Purge Vol: 500.000 mL

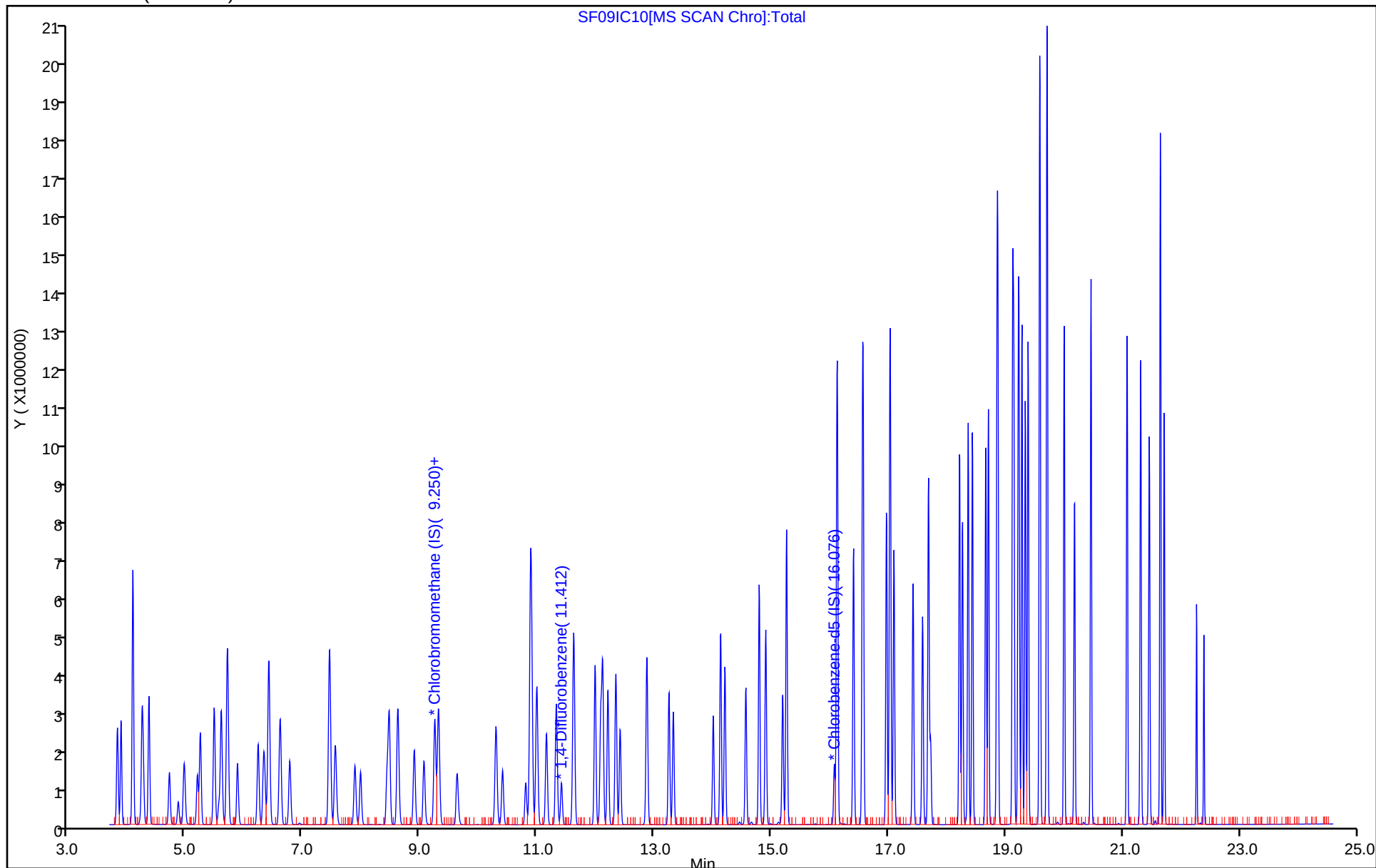
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC10.D

Injection Date: 09-Jun-2021 14:14:30

Instrument ID: MS

Lims ID: IC L10

Client ID:

Operator ID: HMT

ALS Bottle#:

4

Worklist Smp#:

3

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MS_TO15A

Limit Group:

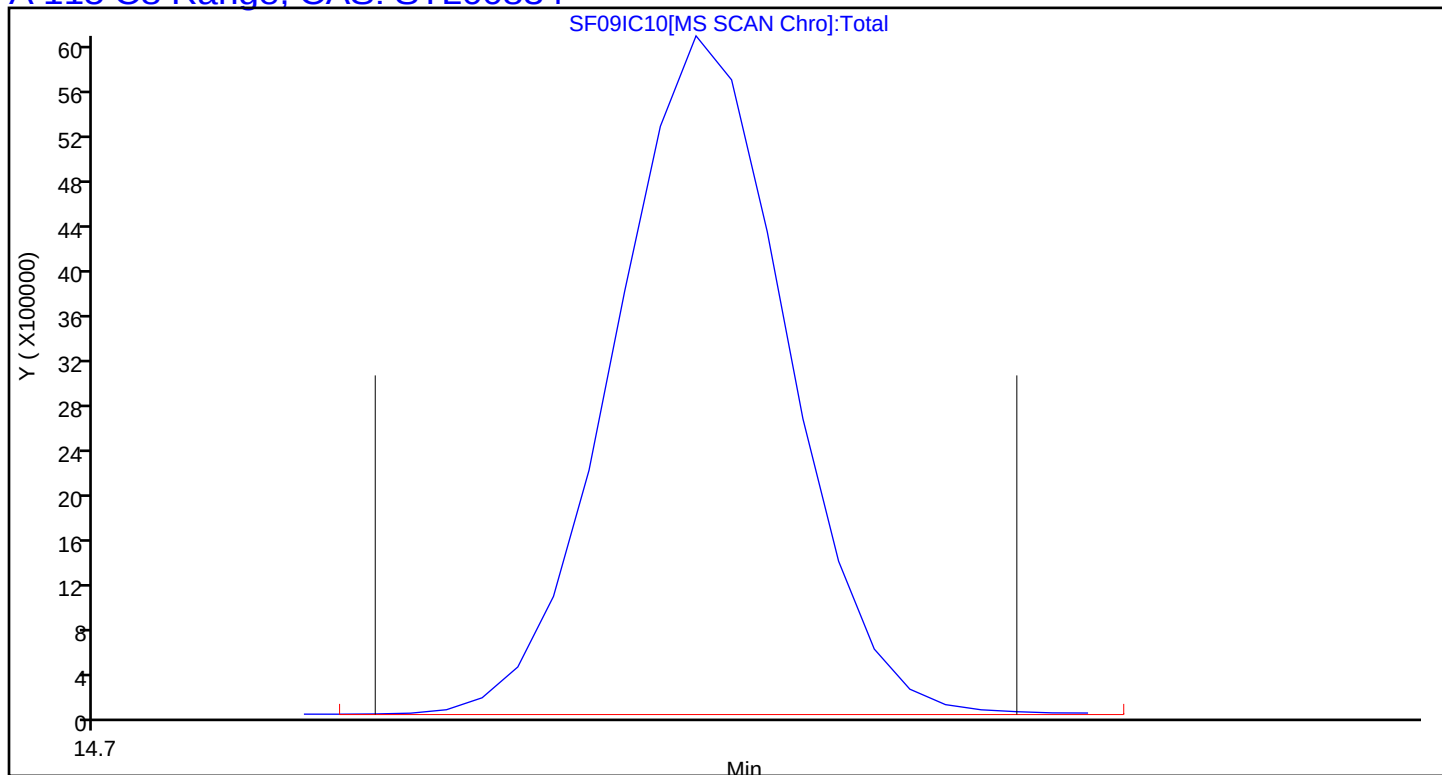
MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector

MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09C09.D
 Lims ID: IC L9
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 09-Jun-2021 15:49:30 ALS Bottle#: 6 Worklist Smp#: 5
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-005
 Misc. Info.: 387535
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:12:08 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:21:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.228	9.225	0.003	97	242745	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.407	11.403	0.004	94	1188188	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	85	1052212	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.717	17.713	0.004	97	780296	4.64	4.80	
6 Chlorodifluoromethane	51	3.805	3.810	-0.005	95	1007023	8.00	7.36	
7 Propene	41	3.816	3.823	-0.007	99	430525	8.00	7.39	
8 Dichlorodifluoromethane	85	3.875	3.878	-0.003	100	1454345	8.00	7.57	
9 Chloromethane	52	4.069	4.074	-0.005	98	174414	8.00	6.13	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.080	0.000	87	1348730	8.00	7.55	
11 Acetaldehyde	44	4.236	4.240	-0.004	87	877436	40.0	22.0	
12 Vinyl chloride	62	4.257	4.258	-0.001	98	575921	8.00	6.35	
14 Butane	43	4.349	4.354	-0.005	84	594391	8.00	5.73	
13 Butadiene	54	4.349	4.352	-0.003	75	390898	8.00	6.17	
15 Bromomethane	94	4.698	4.702	-0.004	99	455783	8.00	6.01	
16 Chloroethane	64	4.849	4.856	-0.007	94	196901	8.00	6.44	
17 Ethanol	31	4.941	4.946	-0.005	89	642875	40.0	29.6	
18 Vinyl bromide	106	5.177	5.180	-0.003	99	573290	8.00	7.44	
19 2-Methylbutane	43	5.231	5.230	0.001	91	651320	8.00	7.66	
20 Trichlorofluoromethane	101	5.468	5.468	0.000	99	1454971	8.00	7.64	
21 Acrolein	56	5.468	5.476	-0.008	88	202026	8.00	7.42	
22 Acetonitrile	40	5.543	5.564	-0.021	99	225200	8.00	7.38	
23 Acetone	58	5.586	5.597	-0.011	96	825623	24.0	23.5	
24 Isopropyl alcohol	45	5.672	5.685	-0.013	96	2222773	24.0	23.2	
25 Pentane	72	5.699	5.703	-0.004	95	59745	8.00	7.53	
26 Ethyl ether	31	5.866	5.877	-0.011	93	496425	8.00	7.64	
27 1,1-Dichloroethene	96	6.221	6.219	0.002	94	523246	8.00	7.54	
29 2-Methyl-2-propanol	59	6.296	6.320	-0.024	93	1019999	8.00	7.85	
28 Acrylonitrile	53	6.323	6.327	-0.004	95	455925	8.00	7.43	
30 112TCTFE	101	6.398	6.401	-0.003	97	1240591	8.00	7.64	
31 Methylene Chloride	84	6.587	6.588	-0.001	99	492101	8.00	7.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.597	6.601	-0.004	94	395042	8.00	7.68	
33 Carbon disulfide	76	6.759	6.762	-0.003	98	1585024	8.00	7.50	
34 trans-1,2-Dichloroethene	96	7.431	7.433	-0.002	95	537774	8.00	7.87	
35 2-Methylpentane	43	7.442	7.446	-0.004	95	1244232	8.00	7.64	
36 Methyl tert-butyl ether	73	7.539	7.558	-0.019	97	1371586	8.00	8.03	
37 1,1-Dichloroethane	63	7.867	7.870	-0.003	99	1107152	8.00	7.43	
38 Vinyl acetate	43	7.964	7.970	-0.006	100	1369044	8.00	8.78	
39 2-Butanone (MEK)	72	8.416	8.432	-0.016	98	249406	8.00	7.18	
40 Hexane	56	8.459	8.458	0.001	87	459237	8.00	7.70	
41 Isopropyl ether	45	8.604	8.617	-0.013	99	1935334	8.00	7.96	
42 cis-1,2-Dichloroethene	96	8.884	8.883	0.001	98	562280	8.00	7.83	
43 Ethyl acetate	43	9.051	9.060	-0.009	99	1253181	8.00	7.78	
44 Chloroform	83	9.239	9.232	0.007	95	1187111	8.00	7.57	
45 Tert-butyl ethyl ether	59	9.298	9.314	-0.016	94	1911159	8.00	8.21	
46 Tetrahydrofuran	42	9.621	9.640	-0.019	95	611666	8.00	8.02	
47 1,1,1-Trichloroethane	97	10.282	10.285	-0.003	97	1141088	8.00	7.98	
48 1,2-Dichloroethane	62	10.395	10.393	0.002	97	781784	8.00	7.92	
49 n-Butanol	31	10.788	10.814	-0.026	80	183322	8.00	8.55	
51 Benzene	78	10.874	10.874	0.000	96	1755393	8.00	7.79	
50 Cyclohexane	69	10.874	10.874	0.000	78	259182	8.00	8.29	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	97	1317713	8.00	9.26	
53 2,3-Dimethylpentane	71	10.982	10.985	-0.003	93	354223	8.00	8.37	
54 Thiophene	84	11.143	11.143	0.000	97	999264	8.00	8.08	
55 Isooctane	57	11.611	11.613	-0.002	98	3225422	8.00	8.25	
56 n-Heptane	71	11.977	11.978	-0.001	89	548378	8.00	8.65	
57 1,2-Dichloropropane	63	12.074	12.073	0.001	97	802449	8.00	7.91	
58 Trichloroethene	130	12.106	12.106	0.000	96	788332	8.00	7.88	
59 Dibromomethane	93	12.198	12.194	0.004	93	764507	8.00	7.88	
61 1,4-Dioxane	88	12.332	12.342	-0.010	88	255715	8.00	8.28	
60 Dichlorobromomethane	83	12.337	12.334	0.003	99	1261391	8.00	8.54	
62 Methyl methacrylate	41	12.407	12.411	-0.004	96	742441	8.00	8.67	
63 Methylcyclohexane	83	12.865	12.865	0.000	95	1049970	8.00	7.75	
64 4-Methyl-2-pentanone (MIBK)	43	13.241	13.254	-0.013	95	1384684	8.00	8.43	
65 cis-1,3-Dichloropropene	75	13.317	13.319	-0.002	92	1022539	8.00	8.74	
66 trans-1,3-Dichloropropene	75	14.000	14.001	-0.001	97	904806	8.00	8.99	
67 Toluene	91	14.129	14.126	0.003	92	2181685	8.00	8.08	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	95	703045	8.00	7.80	
69 2-Hexanone	58	14.559	14.569	-0.010	94	782298	8.00	8.74	
70 n-Octane	85	14.791	14.786	0.005	92	580908	8.00	8.72	
71 Chlorodibromomethane	129	14.898	14.897	0.001	98	1507467	8.00	9.28	
72 Ethylene Dibromide	107	15.189	15.187	0.002	98	1322147	8.00	8.58	
73 Tetrachloroethene	129	15.253	15.253	0.000	98	857425	8.00	7.88	
75 Chlorobenzene	112	16.119	16.119	0.000	92	1886355	8.00	8.16	
74 2,3-Dimethylheptane	43	16.119	16.120	-0.001	95	2008281	8.00	7.86	
76 Ethylbenzene	91	16.399	16.400	-0.001	98	2832075	8.00	8.46	
77 m-Xylene & p-Xylene	91	16.560	16.559	0.001	97	4624235	16.0	17.2	
78 n-Nonane	57	16.964	16.962	0.002	90	1595023	8.00	8.80	
79 Bromoform	173	17.023	17.020	0.003	98	2043272	8.00	11.7	
80 Styrene	104	17.028	17.028	0.000	97	1842711	8.00	9.25	
81 o-Xylene	91	17.088	17.088	0.000	99	2268843	8.00	8.24	
82 1,1,2,2-Tetrachloroethane	83	17.416	17.417	-0.001	98	1802947	8.00	8.40	
83 1,2,3-Trichloropropane	110	17.577	17.580	-0.003	98	391270	8.00	8.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.679	17.679	0.000	95	3299043	8.00	8.64	
85 N-Propylbenzene	120	18.212	18.212	0.000	99	911691	8.00	8.90	
86 2-Chlorotoluene	126	18.260	18.261	-0.001	97	843585	8.00	8.29	
87 4-Ethyltoluene	105	18.357	18.359	-0.002	99	3488504	8.00	8.88	
88 1,3,5-Trimethylbenzene	120	18.433	18.430	0.002	92	1362969	8.00	8.83	
89 Alpha Methyl Styrene	118	18.658	18.659	-0.001	90	1494027	8.00	9.44	
90 n-Decane	57	18.701	18.702	-0.001	86	2193072	8.00	8.79	
91 tert-Butylbenzene	119	18.852	18.853	-0.001	91	3164566	8.00	8.98	
92 1,2,4-Trimethylbenzene	105	18.868	18.865	0.003	96	3146680	8.00	8.99	
93 sec-Butylbenzene	105	19.121	19.117	0.004	99	4571366	8.00	8.97	
94 1,3-Dichlorobenzene	146	19.137	19.138	-0.001	96	2335501	8.00	8.75	
95 Benzyl chloride	91	19.213	19.212	0.001	98	2398739	8.00	9.77	
96 1,4-Dichlorobenzene	146	19.229	19.224	0.005	97	2344474	8.00	8.91	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	98	3621943	8.00	8.95	
98 1,2,3-Trimethylbenzene	105	19.336	19.333	0.003	98	3072823	8.00	8.77	
99 Butylcyclohexane	83	19.385	19.381	0.004	95	2388067	8.00	8.64	
100 2,3-Dihydroindene	117	19.584	19.579	0.005	94	3136511	8.00	9.29	
101 1,2-Dichlorobenzene	146	19.584	19.582	0.002	99	2377188	8.00	8.88	
102 n-Butylbenzene	91	19.707	19.704	0.003	96	3781662	8.00	8.95	
103 Indene	116	19.707	19.709	-0.002	89	2673777	8.00	9.75	
104 Undecane	57	19.998	19.999	-0.001	92	2561626	8.00	9.04	
105 1,2-Dibromo-3-Chloropropane	157	20.175	20.176	-0.001	93	1255531	8.00	11.1	
106 1,2,4,5-Tetramethylbenzene	119	20.461	20.456	0.005	97	3624681	8.00	9.11	
107 Dodecane	57	21.074	21.073	0.001	95	2624232	8.00	8.82	
108 1,2,4-Trichlorobenzene	180	21.305	21.307	-0.002	93	2066613	8.00	9.87	
109 Naphthalene	128	21.456	21.456	0.000	100	4053133	8.00	8.16	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	90	2465799	8.00	7.74	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	94	1771635	8.00	7.96	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	98	1218999	8.00	11.0	
113 1-Methylnaphthalene	142	22.386	22.388	-0.002	98	1175966	8.00	9.51	
A 115 C8 Range	1	14.790	(14.742-14.839)		0	5721505	8.00	8.06	
S 116 Xylenes, Total	100				0		24.0	25.4	
S 117 1,2-Dichloroethene, Total	1				0		16.0	15.7	

QC Flag Legend

Processing Flags

Reagents:

40L9DQP_00025

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:12:09

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09C09.D

Injection Date: 09-Jun-2021 15:49:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L9

Worklist Smp#: 5

Client ID:

Purge Vol: 500.000 mL

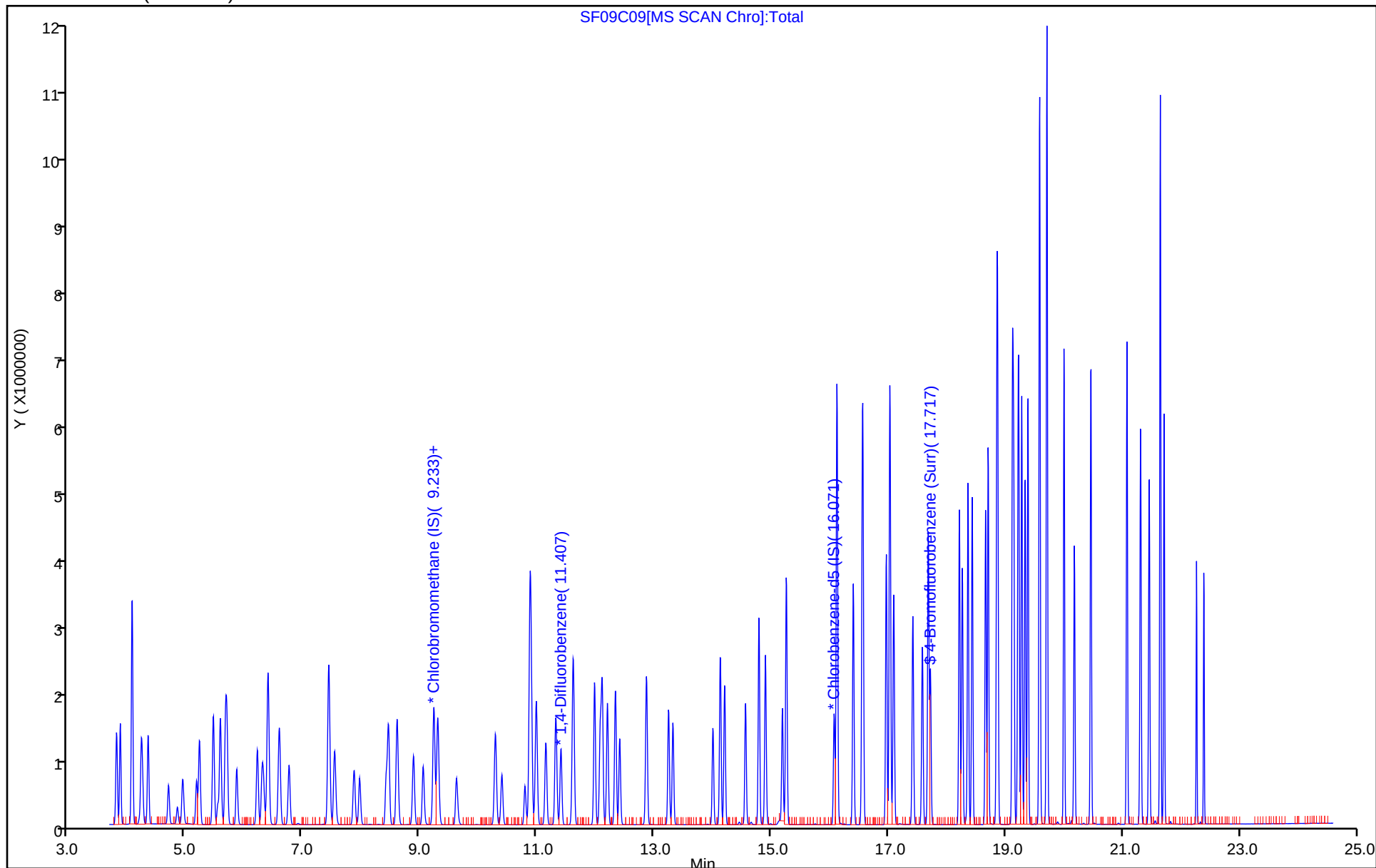
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09C09.D

Injection Date: 09-Jun-2021 15:49:30

Instrument ID: MS

Lims ID: IC L9

Client ID:

Operator ID: HMT

ALS Bottle#: 6

Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

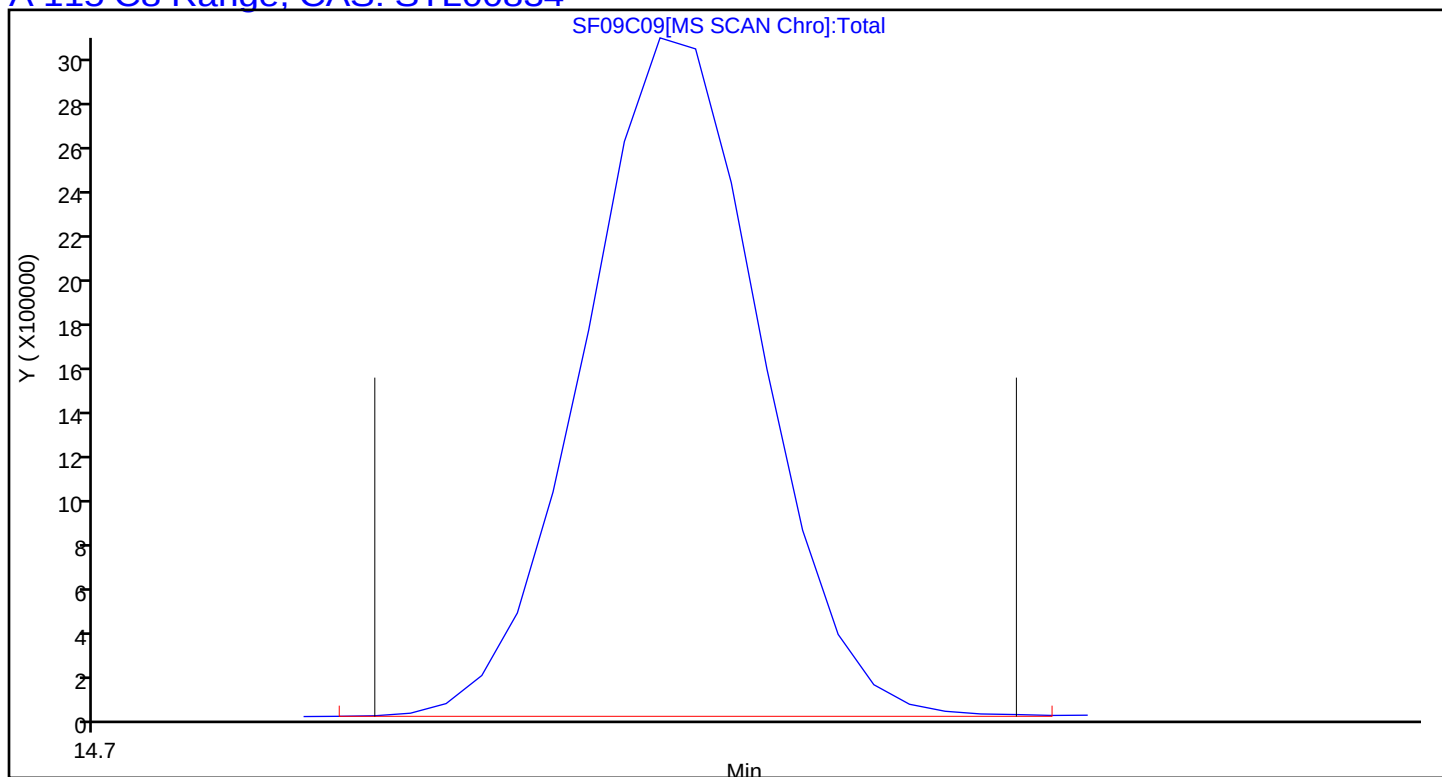
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC08.D
 Lims ID: IC L8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 09-Jun-2021 17:23:30 ALS Bottle#: 8 Worklist Smp#: 7
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-007
 Misc. Info.: 387536
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:12:13 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:22:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.225	-0.002	97	248836	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.403	-0.002	94	1213744	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	85	1060151	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.713	-0.001	97	775445	4.64	4.74	
6 Chlorodifluoromethane	51	3.805	3.810	-0.005	96	513977	4.00	3.66	
7 Propene	41	3.816	3.823	-0.007	99	221790	4.00	3.71	
8 Dichlorodifluoromethane	85	3.875	3.878	-0.003	100	767017	4.00	3.90	
9 Chloromethane	52	4.074	4.074	0.000	99	86996	4.00	2.98	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.080	0.000	86	686603	4.00	3.75	
11 Acetaldehyde	44	4.236	4.240	-0.004	87	417788	20.0	10.2	
12 Vinyl chloride	62	4.257	4.258	-0.001	98	276159	4.00	2.97	
14 Butane	43	4.349	4.354	-0.005	84	274992	4.00	2.59	
13 Butadiene	54	4.349	4.352	-0.003	74	184237	4.00	2.84	
15 Bromomethane	94	4.698	4.702	-0.004	99	250964	4.00	3.23	
16 Chloroethane	64	4.849	4.856	-0.007	94	97208	4.00	3.10	
17 Ethanol	31	4.935	4.946	-0.011	90	325999	20.0	14.6	
18 Vinyl bromide	106	5.177	5.180	-0.003	99	297670	4.00	3.77	
19 2-Methylbutane	43	5.226	5.230	-0.004	91	334005	4.00	3.83	
21 Acrolein	56	5.473	5.476	-0.003	88	100804	4.00	3.61	
20 Trichlorofluoromethane	101	5.462	5.468	-0.006	99	758913	4.00	3.89	
22 Acetonitrile	40	5.543	5.564	-0.021	99	115623	4.00	3.70	
23 Acetone	58	5.586	5.597	-0.011	96	435176	12.0	11.7	
24 Isopropyl alcohol	45	5.667	5.685	-0.018	94	1138746	12.0	11.6	
25 Pentane	72	5.699	5.703	-0.004	95	32659	4.00	4.01	
26 Ethyl ether	31	5.866	5.877	-0.011	93	251657	4.00	3.78	
27 1,1-Dichloroethene	96	6.215	6.219	-0.004	94	271402	4.00	3.82	
29 2-Methyl-2-propanol	59	6.296	6.320	-0.024	93	529279	4.00	3.97	
28 Acrylonitrile	53	6.318	6.327	-0.009	96	233872	4.00	3.72	
30 112TCTFE	101	6.398	6.401	-0.003	97	645527	4.00	3.88	
31 Methylene Chloride	84	6.587	6.588	-0.001	99	257913	4.00	3.66	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.603	6.601	0.002	94	200786	4.00	3.81	
33 Carbon disulfide	76	6.759	6.762	-0.003	98	811041	4.00	3.74	
34 trans-1,2-Dichloroethene	96	7.431	7.433	-0.002	95	276428	4.00	3.95	
35 2-Methylpentane	43	7.442	7.446	-0.004	95	636773	4.00	3.81	
36 Methyl tert-butyl ether	73	7.539	7.558	-0.019	97	699643	4.00	4.00	
37 1,1-Dichloroethane	63	7.867	7.870	-0.003	99	571536	4.00	3.74	
38 Vinyl acetate	43	7.964	7.970	-0.006	100	659116	4.00	4.12	
39 2-Butanone (MEK)	72	8.416	8.432	-0.016	98	128340	4.00	3.60	
40 Hexane	56	8.459	8.458	0.001	86	232171	4.00	3.80	
41 Isopropyl ether	45	8.604	8.617	-0.013	98	974179	4.00	3.91	
42 cis-1,2-Dichloroethene	96	8.884	8.883	0.001	97	285280	4.00	3.88	
43 Ethyl acetate	43	9.050	9.060	-0.010	99	634416	4.00	3.84	
44 Chloroform	83	9.233	9.232	0.001	95	611896	4.00	3.80	
45 Tert-butyl ethyl ether	59	9.298	9.314	-0.016	94	971277	4.00	4.07	
46 Tetrahydrofuran	42	9.615	9.640	-0.025	96	308626	4.00	3.95	
47 1,1,1-Trichloroethane	97	10.282	10.285	-0.003	98	581962	4.00	3.97	
48 1,2-Dichloroethane	62	10.395	10.393	0.002	96	400791	4.00	3.97	
49 n-Butanol	31	10.788	10.814	-0.026	81	90249	4.00	4.12	
51 Benzene	78	10.874	10.874	0.000	97	886345	4.00	3.85	
50 Cyclohexane	69	10.874	10.874	0.000	68	132598	4.00	4.15	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	97	613775	4.00	4.22	
53 2,3-Dimethylpentane	71	10.982	10.985	-0.003	91	183630	4.00	4.25	
54 Thiophene	84	11.143	11.143	0.000	97	507303	4.00	4.01	
55 Isooctane	57	11.611	11.613	-0.002	98	1609448	4.00	4.03	
56 n-Heptane	71	11.977	11.978	-0.001	90	275019	4.00	4.25	
57 1,2-Dichloropropane	63	12.074	12.073	0.001	97	410302	4.00	3.96	
58 Trichloroethene	130	12.106	12.106	0.000	97	403248	4.00	3.94	
59 Dibromomethane	93	12.198	12.194	0.004	94	386165	4.00	3.90	
61 1,4-Dioxane	88	12.332	12.342	-0.010	88	131580	4.00	4.17	
60 Dichlorobromomethane	83	12.332	12.334	-0.002	99	629018	4.00	4.17	
62 Methyl methacrylate	41	12.402	12.411	-0.009	95	369494	4.00	4.22	
63 Methylcyclohexane	83	12.865	12.865	0.000	95	525121	4.00	3.79	
64 4-Methyl-2-pentanone (MIBK)	43	13.241	13.254	-0.013	96	685140	4.00	4.08	
65 cis-1,3-Dichloropropene	75	13.316	13.319	-0.003	92	509258	4.00	4.26	
66 trans-1,3-Dichloropropene	75	14.000	14.001	-0.001	97	441867	4.00	4.36	
67 Toluene	91	14.123	14.126	-0.003	92	1088536	4.00	4.00	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	95	353772	4.00	3.89	
69 2-Hexanone	58	14.559	14.569	-0.010	94	385502	4.00	4.27	
70 n-Octane	85	14.785	14.786	-0.001	92	287100	4.00	4.28	
71 Chlorodibromomethane	129	14.898	14.897	0.001	98	717786	4.00	4.38	
72 Ethylene Dibromide	107	15.189	15.187	0.002	99	643609	4.00	4.15	
73 Tetrachloroethene	129	15.253	15.253	0.000	99	427960	4.00	3.91	
75 Chlorobenzene	112	16.119	16.119	0.000	91	918938	4.00	3.95	
74 2,3-Dimethylheptane	43	16.119	16.120	-0.001	95	1028636	4.00	3.99	
76 Ethylbenzene	91	16.399	16.400	-0.001	98	1384532	4.00	4.10	
77 m-Xylene & p-Xylene	91	16.555	16.559	-0.004	97	2242767	8.00	8.27	
78 n-Nonane	57	16.958	16.962	-0.004	91	779669	4.00	4.27	
79 Bromoform	173	17.023	17.020	0.003	98	907625	4.00	5.18	
80 Styrene	104	17.028	17.028	0.000	98	879115	4.00	4.38	
81 o-Xylene	91	17.088	17.088	0.000	100	1123786	4.00	4.05	
82 1,1,2,2-Tetrachloroethane	83	17.416	17.417	-0.001	98	887063	4.00	4.10	
83 1,2,3-Trichloropropane	110	17.577	17.580	-0.003	98	195711	4.00	4.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.679	17.679	0.000	95	1613524	4.00	4.20	
85 N-Propylbenzene	120	18.212	18.212	0.000	99	442172	4.00	4.29	
86 2-Chlorotoluene	126	18.260	18.261	-0.001	97	415626	4.00	4.06	
87 4-Ethyltoluene	105	18.357	18.359	-0.002	99	1669396	4.00	4.22	
88 1,3,5-Trimethylbenzene	120	18.432	18.430	0.002	92	655900	4.00	4.22	
89 Alpha Methyl Styrene	118	18.658	18.659	-0.001	89	702032	4.00	4.40	
90 n-Decane	57	18.701	18.702	-0.001	87	1074614	4.00	4.28	
91 tert-Butylbenzene	119	18.852	18.853	-0.001	92	1503616	4.00	4.23	
92 1,2,4-Trimethylbenzene	105	18.863	18.865	-0.002	96	1495155	4.00	4.24	
93 sec-Butylbenzene	105	19.116	19.117	-0.001	99	2151530	4.00	4.19	
94 1,3-Dichlorobenzene	146	19.137	19.138	-0.001	96	1099993	4.00	4.09	
95 Benzyl chloride	91	19.212	19.212	0.000	98	1092633	4.00	4.42	
96 1,4-Dichlorobenzene	146	19.223	19.224	-0.001	97	1083447	4.00	4.09	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	97	1727769	4.00	4.24	
98 1,2,3-Trimethylbenzene	105	19.331	19.333	-0.002	98	1493023	4.00	4.23	
99 Butylcyclohexane	83	19.379	19.381	-0.002	94	1167441	4.00	4.19	
100 2,3-Dihydroindene	117	19.578	19.579	-0.001	93	1475703	4.00	4.34	
101 1,2-Dichlorobenzene	146	19.584	19.582	0.002	88	1120110	4.00	4.15	
102 n-Butylbenzene	91	19.702	19.704	-0.002	96	1802195	4.00	4.23	
103 Indene	116	19.707	19.709	-0.002	89	1263709	4.00	4.58	
104 Undecane	57	19.998	19.999	-0.001	93	1236145	4.00	4.33	
105 1,2-Dibromo-3-Chloropropane	157	20.175	20.176	-0.001	94	552864	4.00	4.84	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.456	-0.001	97	1683811	4.00	4.20	
107 Dodecane	57	21.074	21.073	0.001	95	1188977	4.00	3.96	
108 1,2,4-Trichlorobenzene	180	21.305	21.307	-0.002	93	899617	4.00	4.27	
109 Naphthalene	128	21.456	21.456	0.000	100	1793674	4.00	3.58	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	91	1220174	4.00	3.80	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	94	853648	4.00	3.81	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	98	487142	4.00	4.35	
113 1-Methylnaphthalene	142	22.386	22.388	-0.002	98	512563	4.00	4.11	
A 115 C8 Range	1	14.790	(14.737-14.834)		0	2852584	4.00	3.93	
S 116 Xylenes, Total	100				0		12.0	12.3	
S 117 1,2-Dichloroethene, Total	1				0		8.00	7.82	

QC Flag Legend

Processing Flags

Reagents:

40L8DQP_00024

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:12:14

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC08.D

Injection Date: 09-Jun-2021 17:23:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L8

Worklist Smp#: 7

Client ID:

Purge Vol: 500.000 mL

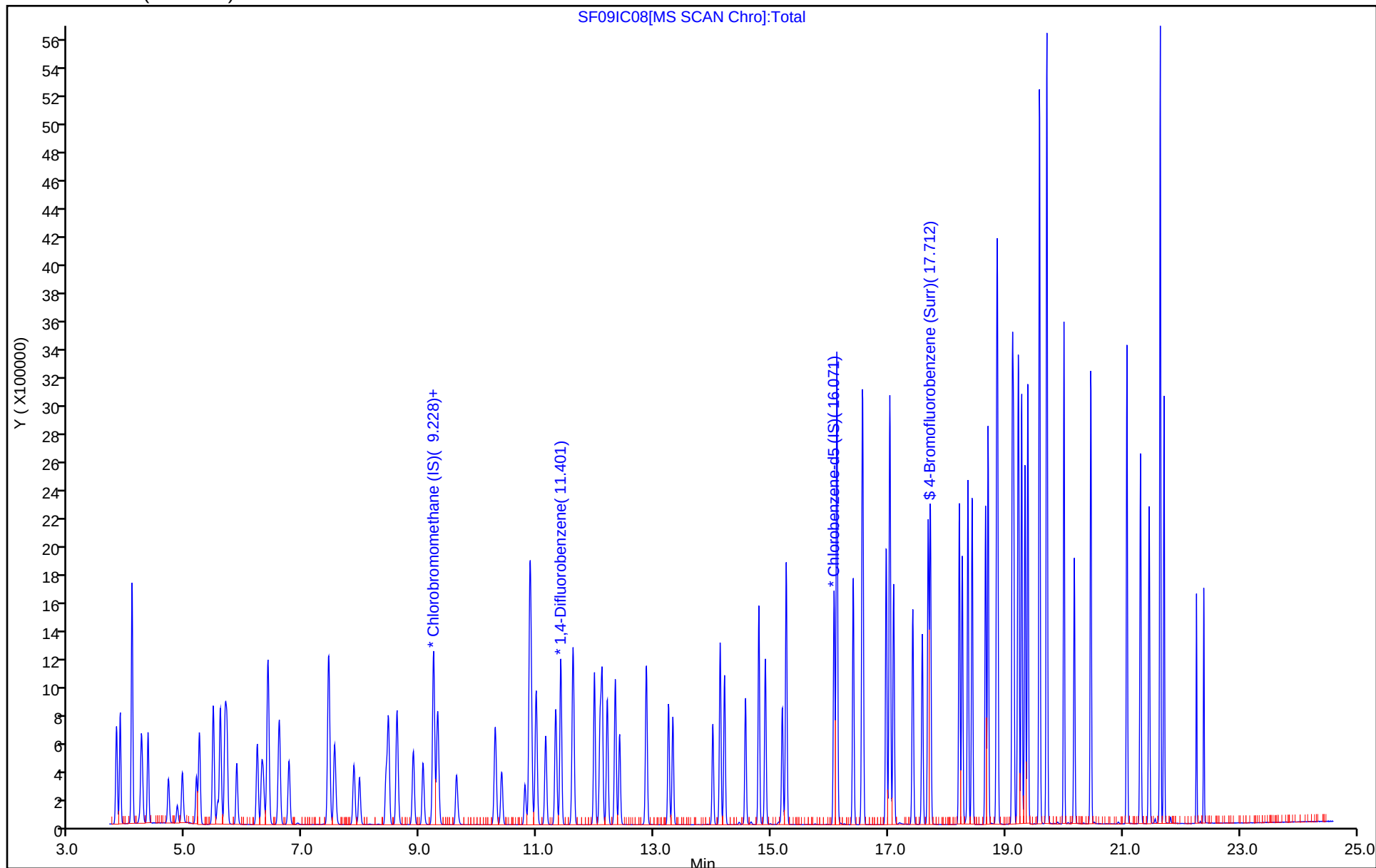
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC08.D

Injection Date: 09-Jun-2021 17:23:30

Instrument ID: MS

Lims ID: IC L8

Client ID:

Operator ID: HMT

ALS Bottle#: 8

Worklist Smp#: 7

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

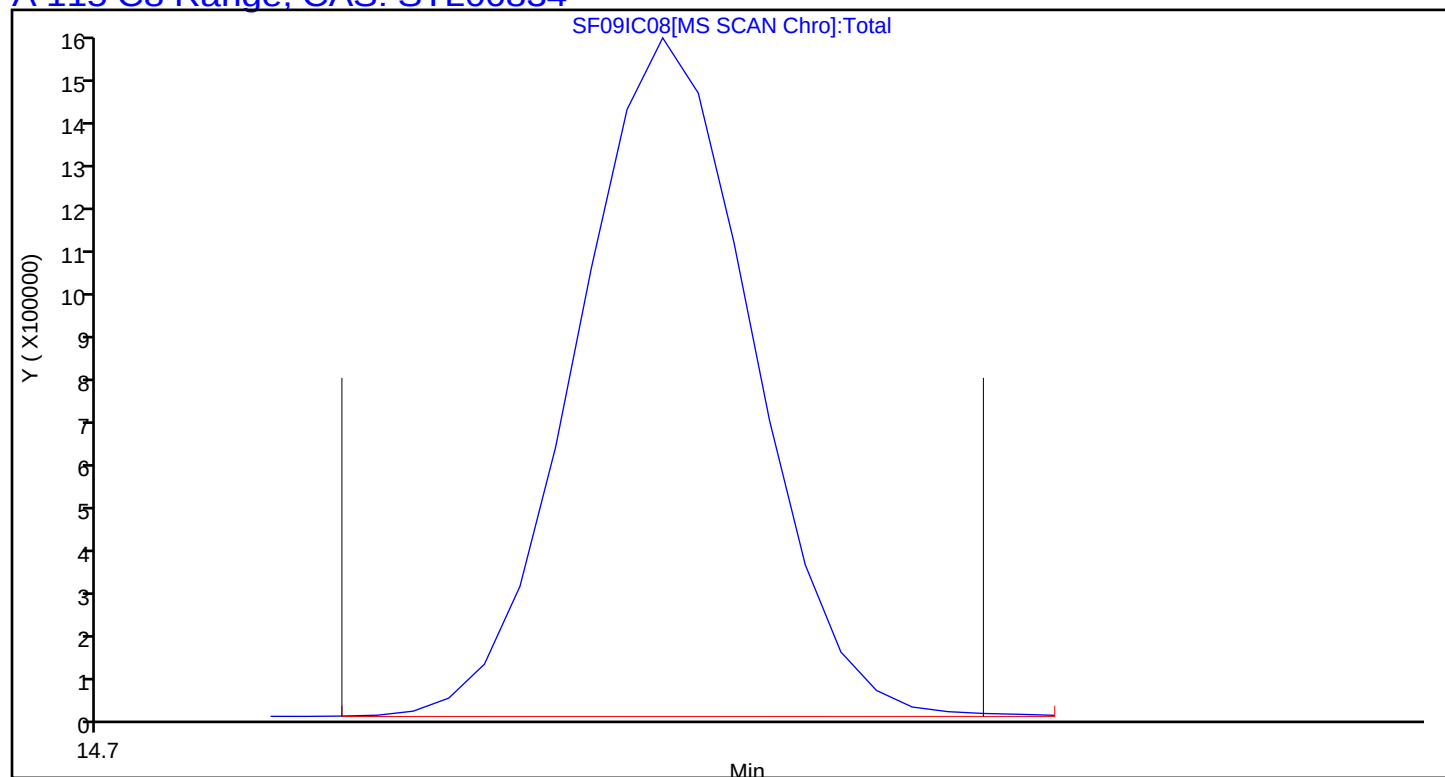
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC01.D
 Lims ID: IC L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jun-2021 18:55:30 ALS Bottle#: 10 Worklist Smp#: 9
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-009
 Misc. Info.: 387801
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:12:29 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:22:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.225	-0.002	95	233807	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.396	11.403	-0.007	94	1151515	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	86	959848	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.713	-0.001	97	668789	4.64	4.51	
6 Chlorodifluoromethane	51	3.805	3.810	-0.005	92	3295	0.0200	0.0250	
7 Propene	41	3.811	3.823	-0.012	67	1664	0.0200	0.0297	
8 Dichlorodifluoromethane	85	3.875	3.878	-0.003	96	4743	0.0200	0.0256	
9 Chloromethane	52	4.074	4.074	0.000	50	655	0.0200	0.0239	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.069	4.080	-0.011	87	4461	0.0200	0.0259	
11 Acetaldehyde	44	4.236	4.240	-0.004	87	5984	0.1000	0.1554	
12 Vinyl chloride	62	4.252	4.258	-0.006	39	2033	0.0200	0.0233	
14 Butane	43	4.343	4.354	-0.011	79	2148	0.0200	0.0215	
13 Butadiene	54	4.338	4.352	-0.014	81	1470	0.0200	0.0241	
15 Bromomethane	94	4.698	4.702	-0.004	93	2733	0.0200	0.0374	
16 Chloroethane	64	4.854	4.856	-0.002	8	766	0.0200	0.0260	
17 Ethanol	31	4.951	4.946	0.005	93	3033	0.1000	0.1448	
18 Vinyl bromide	106	5.172	5.180	-0.008	43	1888	0.0200	0.0254	
19 2-Methylbutane	43	5.215	5.230	-0.015	91	2326	0.0200	0.0284	
20 Trichlorofluoromethane	101	5.468	5.468	0.000	96	4430	0.0200	0.0242	
21 Acrolein	56	5.473	5.476	-0.003	32	602	0.0200	0.0230	
22 Acetonitrile	40	5.688	5.564	0.124	46	303	0.0200	0.0103	
23 Acetone	58	5.602	5.597	0.005	96	5968	0.0600	-0.6478	
24 Isopropyl alcohol	45	5.699	5.685	0.014	80	6640	0.0600	0.0718	
26 Ethyl ether	31	5.882	5.877	0.005	62	1525	0.0200	0.0244	
27 1,1-Dichloroethene	96	6.210	6.219	-0.009	96	1762	0.0200	0.0264	
29 2-Methyl-2-propanol	59	6.339	6.320	0.019	64	3517	0.0200	0.0281	
28 Acrylonitrile	53	6.323	6.327	-0.004	91	2013	0.0200	0.0341	
30 112TCTFE	101	6.393	6.401	-0.008	95	3904	0.0200	0.0250	
31 Methylene Chloride	84	6.581	6.588	-0.007	99	4918	0.0200	0.0743	
32 3-Chloro-1-propene	39	6.597	6.601	-0.004	29	1560	0.0200	0.0315	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	6.764	6.762	0.002	95	7556	0.0200	0.0371	
34 trans-1,2-Dichloroethene	96	7.437	7.433	0.004	85	1732	0.0200	0.0263	
35 2-Methylpentane	43	7.442	7.446	-0.004	92	3852	0.0200	0.0246	
36 Methyl tert-butyl ether	73	7.576	7.558	0.018	92	3676	0.0200	0.0223	
37 1,1-Dichloroethane	63	7.867	7.870	-0.003	29	3770	0.0200	0.0263	
38 Vinyl acetate	43	7.975	7.970	0.005	98	3338	0.0200	0.0222	
39 2-Butanone (MEK)	72	8.448	8.432	0.016	89	1126	0.0200	0.0337	
40 Hexane	56	8.453	8.458	-0.005	61	1254	0.0200	0.0218	
41 Isopropyl ether	45	8.642	8.617	0.025	95	5079	0.0200	0.0217	
42 cis-1,2-Dichloroethene	96	8.889	8.883	0.006	89	1533	0.0200	0.0222	
43 Ethyl acetate	43	9.077	9.060	0.017	96	3743	0.0200	0.0241	
44 Chloroform	83	9.223	9.232	-0.009	27	3996	0.0200	0.0264	
45 Tert-butyl ethyl ether	59	9.341	9.314	0.027	97	5074	0.0200	0.0226	
46 Tetrahydrofuran	42	9.675	9.640	0.035	91	1739	0.0200	0.0237	
47 1,1,1-Trichloroethane	97	10.282	10.285	-0.003	86	3626	0.0200	0.0263	
48 1,2-Dichloroethane	62	10.390	10.393	-0.003	90	2559	0.0200	0.0267	
49 n-Butanol	31	10.837	10.814	0.023	48	688	0.0200	0.0331	
51 Benzene	78	10.874	10.874	0.000	96	6460	0.0200	0.0296	
50 Cyclohexane	69	10.869	10.874	-0.005	59	625	0.0200	0.0206	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	78	3109	0.0200	0.0225	
54 Thiophene	84	11.138	11.143	-0.005	88	2930	0.0200	0.0244	
55 Isooctane	57	11.611	11.613	-0.002	97	8479	0.0200	0.0224	
56 n-Heptane	71	11.977	11.978	-0.001	87	1286	0.0200	0.0209	
57 1,2-Dichloropropane	63	12.063	12.073	-0.010	36	2766	0.0200	0.0281	
58 Trichloroethene	130	12.101	12.106	-0.005	90	2372	0.0200	0.0245	
59 Dibromomethane	93	12.192	12.194	-0.002	95	2590	0.0200	0.0276	
60 Dichlorobromomethane	83	12.332	12.334	-0.002	97	3480	0.0200	0.0243	
62 Methyl methacrylate	41	12.413	12.411	0.002	22	1690	0.0200	0.0204	
63 Methylcyclohexane	83	12.870	12.865	0.005	87	2320	0.0200	0.0177	
64 4-Methyl-2-pentanone (MIBK)	43	13.268	13.254	0.014	96	4054	0.0200	0.0255	
65 cis-1,3-Dichloropropene	75	13.322	13.319	0.003	72	2365	0.0200	0.0209	
66 trans-1,3-Dichloropropene	75	14.000	14.001	-0.001	93	2284	0.0200	0.0249	
67 Toluene	91	14.123	14.126	-0.003	93	7517	0.0200	0.0305	
68 1,1,2-Trichloroethane	83	14.204	14.199	0.005	94	2111	0.0200	0.0257	
69 2-Hexanone	58	14.581	14.569	0.012	95	2144	0.0200	0.0263	
70 n-Octane	85	14.780	14.786	-0.006	90	921	0.0200	0.0152	
71 Chlorodibromomethane	129	14.893	14.897	-0.004	93	2854	0.0200	0.0193	
72 Ethylene Dibromide	107	15.183	15.187	-0.004	96	3782	0.0200	0.0269	
73 Tetrachloroethene	129	15.248	15.253	-0.005	95	2422	0.0200	0.0244	
75 Chlorobenzene	112	16.119	16.119	0.000	92	6750	0.0200	0.0320	
74 2,3-Dimethylheptane	43	16.119	16.120	-0.001	85	5325	0.0200	0.0228	
76 Ethylbenzene	91	16.399	16.400	-0.001	97	8201	0.0200	0.0268	
77 m-Xylene & p-Xylene	91	16.560	16.559	0.001	93	11892	0.0400	0.0484	
78 n-Nonane	57	16.958	16.962	-0.004	93	2959	0.0200	0.0179	
79 Bromoform	173	17.018	17.020	-0.002	89	3122	0.0200	0.0197	
80 Styrene	104	17.028	17.028	0.000	92	3521	0.0200	0.0194	
81 o-Xylene	91	17.088	17.088	0.000	98	6851	0.0200	0.0273	
82 1,1,2,2-Tetrachloroethane	83	17.416	17.417	-0.001	96	4900	0.0200	0.0250	
83 1,2,3-Trichloropropane	110	17.583	17.580	0.002	93	1051	0.0200	0.0251	
84 Isopropylbenzene	105	17.679	17.679	0.000	92	8820	0.0200	0.0253	
85 N-Propylbenzene	120	18.212	18.212	0.000	99	1761	0.0200	0.0189	
86 2-Chlorotoluene	126	18.260	18.261	-0.001	97	2533	0.0200	0.0273	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	18.357	18.359	-0.002	97	8583	0.0200	0.0239	
88 1,3,5-Trimethylbenzene	120	18.432	18.430	0.002	92	3251	0.0200	0.0231	
89 Alpha Methyl Styrene	118	18.658	18.659	-0.001	91	2280	0.0200	0.0158	
90 n-Decane	57	18.701	18.702	-0.001	90	4031	0.0200	0.0177	
91 tert-Butylbenzene	119	18.857	18.853	0.004	85	7266	0.0200	0.0226	
92 1,2,4-Trimethylbenzene	105	18.868	18.865	0.003	74	7130	0.0200	0.0223	
93 sec-Butylbenzene	105	19.116	19.117	-0.001	97	10092	0.0200	0.0217	
94 1,3-Dichlorobenzene	146	19.137	19.138	-0.001	93	7676	0.0200	0.0315	
95 Benzyl chloride	91	19.207	19.212	-0.005	96	4653	0.0200	0.0208	
96 1,4-Dichlorobenzene	146	19.223	19.224	-0.001	94	7232	0.0200	0.0301	
97 4-Isopropyltoluene	119	19.272	19.277	-0.005	96	7867	0.0200	0.0213	
98 1,2,3-Trimethylbenzene	105	19.336	19.333	0.003	97	6436	0.0200	0.0201	
99 Butylcyclohexane	83	19.379	19.381	-0.002	90	5036	0.0200	0.0200	
100 2,3-Dihydroindene	117	19.578	19.579	-0.001	86	6187	0.0200	0.0201	
101 1,2-Dichlorobenzene	146	19.578	19.582	-0.004	96	7340	0.0200	0.0300	
102 n-Butylbenzene	91	19.707	19.704	0.003	95	9550	0.0200	0.0248	
103 Indene	116	19.713	19.709	0.004	70	4915	0.0200	0.0197	
104 Undecane	57	19.998	19.999	-0.001	93	4833	0.0200	0.0187	
105 1,2-Dibromo-3-Chloropropane	157	20.175	20.176	-0.001	94	2711	0.0200	0.0262	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.456	-0.001	98	8977	0.0200	0.0247	
107 Dodecane	57	21.068	21.073	-0.005	91	5160	0.0200	0.0190	
108 1,2,4-Trichlorobenzene	180	21.311	21.307	0.004	91	9294	0.0200	0.0487	
109 Naphthalene	128	21.456	21.456	0.000	99	25646	0.0200	0.0566	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	92	8817	0.0200	0.0304	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	92	14433	0.0200	0.0711	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	99	7722	0.0200	0.0761	
113 1-Methylnaphthalene	142	22.386	22.388	-0.002	100	11138	0.0200	0.0987	
A 115 C8 Range	1	14.785	(14.753-14.807)		0	12983	0.0200	0.0189	
S 116 Xylenes, Total	100				0		0.0600	0.0757	
S 117 1,2-Dichloroethene, Total	1				0		0.0400	0.0485	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00042

Amount Added: 50.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:12:30

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC01.D

Injection Date: 09-Jun-2021 18:55:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L1

Worklist Smp#: 9

Client ID:

Purge Vol: 500.000 mL

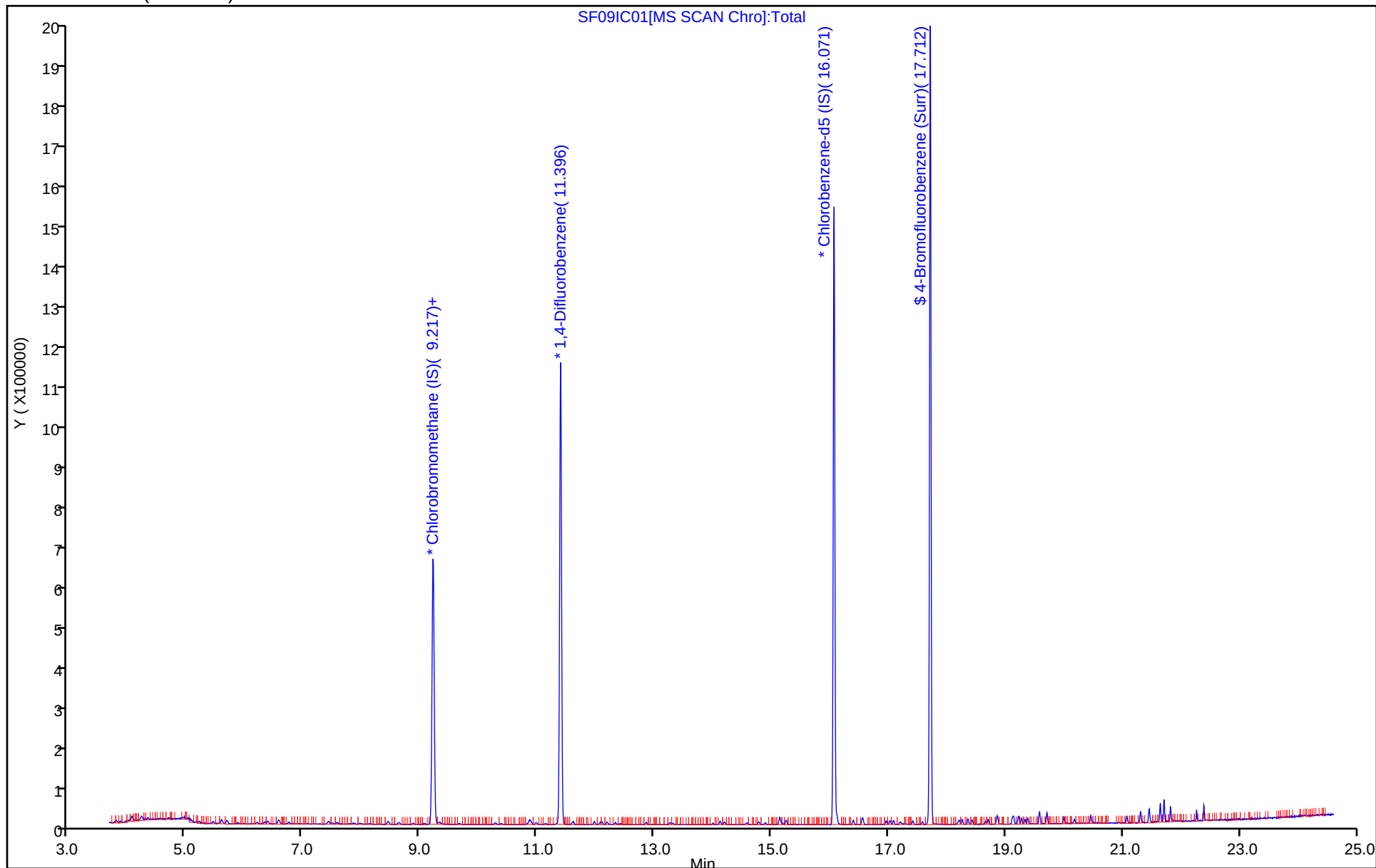
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC01.D

Injection Date: 09-Jun-2021 18:55:30

Instrument ID: MS

Lims ID: IC L1

Client ID:

Operator ID: HMT

ALS Bottle#: 10

Worklist Smp#: 9

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

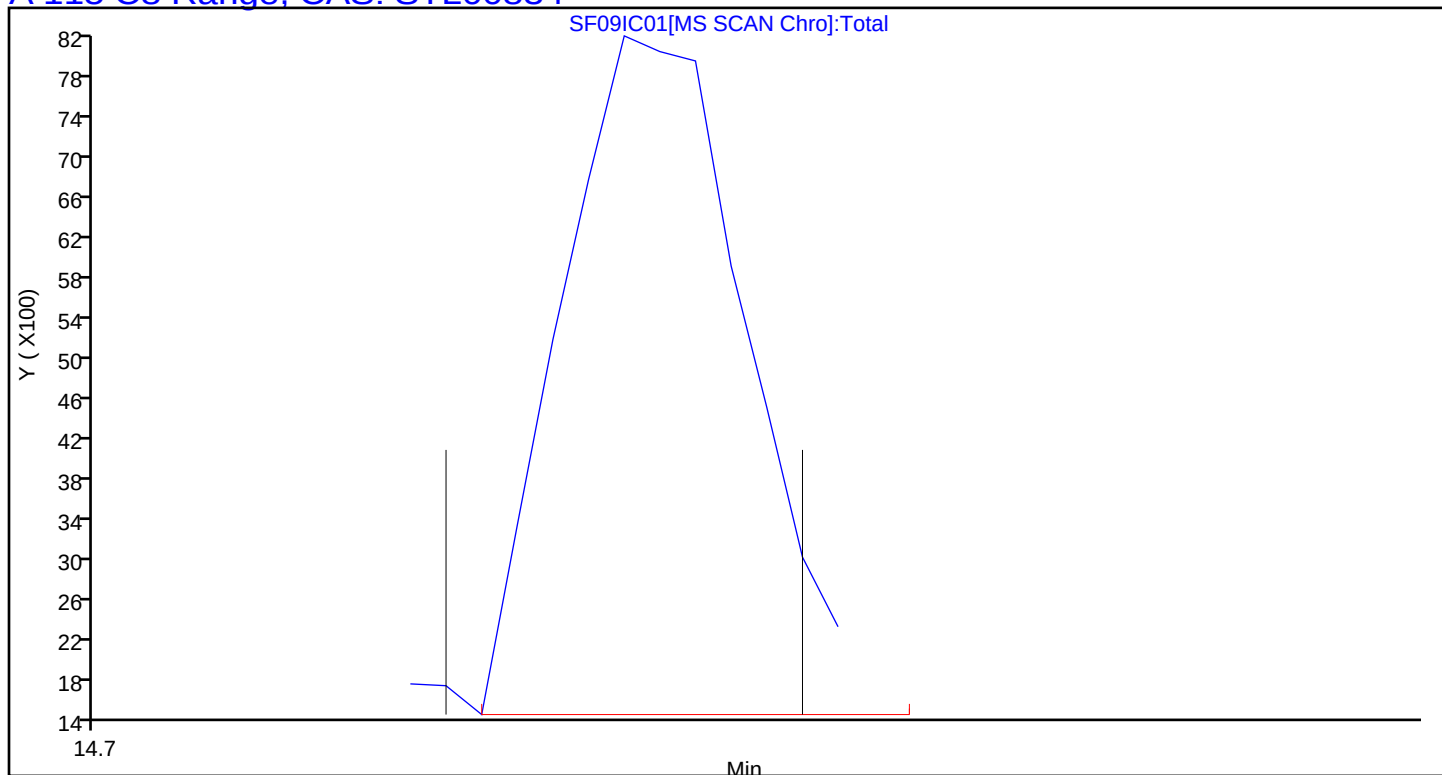
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC02.D
 Lims ID: IC L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 09-Jun-2021 19:40:30 ALS Bottle#: 11 Worklist Smp#: 10
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-010
 Misc. Info.: 387801
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:12:36 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:22:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.217	9.225	-0.008	98	216166	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.403	-0.002	94	1068658	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	86	904221	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.713	-0.001	97	620259	4.64	4.44	
6 Chlorodifluoromethane	51	3.805	3.810	-0.005	94	5418	0.0400	0.0444	
7 Propene	41	3.822	3.823	-0.001	90	2732	0.0400	0.0527	
8 Dichlorodifluoromethane	85	3.875	3.878	-0.003	97	7507	0.0400	0.0439	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.080	-0.006	86	6927	0.0400	0.0436	
9 Chloromethane	52	4.069	4.074	-0.005	51	1243	0.0400	0.0490	
11 Acetaldehyde	44	4.241	4.240	0.001	88	16999	0.2000	0.4776	
12 Vinyl chloride	62	4.252	4.258	-0.006	96	3517	0.0400	0.0436	
13 Butadiene	54	4.349	4.352	-0.003	68	2134	0.0400	0.0378	
14 Butane	43	4.349	4.354	-0.005	84	4414	0.0400	0.0478	
15 Bromomethane	94	4.704	4.702	0.002	95	3753	0.0400	0.0556	
16 Chloroethane	64	4.860	4.856	0.004	32	1184	0.0400	0.0435	
17 Ethanol	31	4.946	4.946	0.000	90	4872	0.2000	0.2516	
18 Vinyl bromide	106	5.172	5.180	-0.008	92	2799	0.0400	0.0408	
19 2-Methylbutane	43	5.226	5.230	-0.004	89	3614	0.0400	0.0477	
20 Trichlorofluoromethane	101	5.462	5.468	-0.006	98	7158	0.0400	0.0422	
21 Acrolein	56	5.478	5.476	0.002	28	1122	0.0400	0.0463	
23 Acetone	58	5.608	5.597	0.011	97	9799	0.1200	-0.5062	
22 Acetonitrile	40	5.559	5.564	-0.005	80	1830	0.0400	0.0674	
24 Isopropyl alcohol	45	5.694	5.685	0.009	80	10848	0.1200	0.1269	
26 Ethyl ether	31	5.887	5.877	0.010	81	2417	0.0400	0.0418	
27 1,1-Dichloroethene	96	6.215	6.219	-0.004	92	2712	0.0400	0.0439	
28 Acrylonitrile	53	6.323	6.327	-0.004	79	2713	0.0400	0.0497	
29 2-Methyl-2-propanol	59	6.334	6.320	0.014	93	4653	0.0400	0.0402	
30 112TCTFE	101	6.393	6.401	-0.008	97	6257	0.0400	0.0433	
31 Methylene Chloride	84	6.581	6.588	-0.007	95	5075	0.0400	0.0829	
32 3-Chloro-1-propene	39	6.592	6.601	-0.009	42	1134	0.0400	0.0248	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	6.753	6.762	-0.009	95	10174	0.0400	0.0541	
34 trans-1,2-Dichloroethene	96	7.426	7.433	-0.007	96	2390	0.0400	0.0393	
35 2-Methylpentane	43	7.442	7.446	-0.004	93	6085	0.0400	0.0420	
36 Methyl tert-butyl ether	73	7.587	7.558	0.029	94	5973	0.0400	0.0393	
37 1,1-Dichloroethane	63	7.867	7.870	-0.003	97	6175	0.0400	0.0465	
38 Vinyl acetate	43	7.969	7.970	-0.001	99	5066	0.0400	0.0365	
39 2-Butanone (MEK)	72	8.448	8.432	0.016	89	1564	0.0400	0.0506	
40 Hexane	56	8.448	8.458	-0.010	72	2105	0.0400	0.0396	
41 Isopropyl ether	45	8.631	8.617	0.014	94	8357	0.0400	0.0386	
42 cis-1,2-Dichloroethene	96	8.873	8.883	-0.010	94	2636	0.0400	0.0412	
43 Ethyl acetate	43	9.067	9.060	0.007	97	6119	0.0400	0.0427	
44 Chloroform	83	9.223	9.232	-0.009	82	6104	0.0400	0.0437	
45 Tert-butyl ethyl ether	59	9.320	9.314	0.006	93	7849	0.0400	0.0379	
46 Tetrahydrofuran	42	9.664	9.640	0.024	93	2601	0.0400	0.0383	
47 1,1,1-Trichloroethane	97	10.282	10.285	-0.003	91	5589	0.0400	0.0439	
48 1,2-Dichloroethane	62	10.385	10.393	-0.008	90	4253	0.0400	0.0479	
49 n-Butanol	31	10.842	10.814	0.028	47	729	0.0400	0.0378	
50 Cyclohexane	69	10.869	10.874	-0.005	62	929	0.0400	0.0331	
51 Benzene	78	10.869	10.874	-0.005	97	9146	0.0400	0.0451	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	83	4999	0.0400	0.0390	
53 2,3-Dimethylpentane	71	10.982	10.985	-0.003	86	1384	0.0400	0.0364	
54 Thiophene	84	11.132	11.143	-0.011	93	4304	0.0400	0.0387	
55 Isooctane	57	11.606	11.613	-0.007	97	13784	0.0400	0.0392	
56 n-Heptane	71	11.972	11.978	-0.006	90	2093	0.0400	0.0367	
57 1,2-Dichloropropane	63	12.068	12.073	-0.005	93	3827	0.0400	0.0419	
58 Trichloroethene	130	12.095	12.106	-0.011	94	3603	0.0400	0.0400	
59 Dibromomethane	93	12.192	12.194	-0.002	93	4179	0.0400	0.0479	
60 Dichlorobromomethane	83	12.337	12.334	0.003	97	5452	0.0400	0.0410	
61 1,4-Dioxane	88	12.348	12.342	0.006	27	957	0.0400	0.0345	
62 Methyl methacrylate	41	12.413	12.411	0.002	93	3038	0.0400	0.0394	
63 Methylcyclohexane	83	12.865	12.865	0.000	89	3810	0.0400	0.0313	
64 4-Methyl-2-pentanone (MIBK)	43	13.263	13.254	0.009	97	5930	0.0400	0.0401	
65 cis-1,3-Dichloropropene	75	13.317	13.319	-0.002	90	3958	0.0400	0.0376	
66 trans-1,3-Dichloropropene	75	14.005	14.001	0.004	92	3368	0.0400	0.0390	
67 Toluene	91	14.129	14.126	0.003	92	10556	0.0400	0.0455	
68 1,1,2-Trichloroethane	83	14.193	14.199	-0.006	93	3198	0.0400	0.0413	
69 2-Hexanone	58	14.586	14.569	0.017	89	2267	0.0400	0.0295	
70 n-Octane	85	14.780	14.786	-0.006	83	1394	0.0400	0.0243	
71 Chlorodibromomethane	129	14.898	14.897	0.001	95	4591	0.0400	0.0329	
72 Ethylene Dibromide	107	15.183	15.187	-0.004	98	5233	0.0400	0.0395	
73 Tetrachloroethene	129	15.248	15.253	-0.005	97	3921	0.0400	0.0420	
75 Chlorobenzene	112	16.119	16.119	0.000	92	9586	0.0400	0.0483	
74 2,3-Dimethylheptane	43	16.119	16.120	-0.001	91	8642	0.0400	0.0393	
76 Ethylbenzene	91	16.399	16.400	-0.001	98	11786	0.0400	0.0409	
77 m-Xylene & p-Xylene	91	16.560	16.559	0.001	97	18440	0.0800	0.0797	
78 n-Nonane	57	16.964	16.962	0.002	90	4839	0.0400	0.0311	
79 Bromoform	173	17.023	17.020	0.003	93	4968	0.0400	0.0332	
80 Styrene	104	17.023	17.028	-0.005	93	5289	0.0400	0.0309	
81 o-Xylene	91	17.088	17.088	0.000	99	9232	0.0400	0.0390	
82 1,1,2,2-Tetrachloroethane	83	17.421	17.417	0.004	96	7189	0.0400	0.0390	
83 1,2,3-Trichloropropane	110	17.583	17.580	0.003	97	1391	0.0400	0.0353	
84 Isopropylbenzene	105	17.674	17.679	-0.005	87	12828	0.0400	0.0391	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	18.212	18.212	0.000	99	2963	0.0400	0.0337	
86 2-Chlorotoluene	126	18.255	18.261	-0.006	96	3529	0.0400	0.0404	
87 4-Ethyltoluene	105	18.363	18.359	0.004	98	12689	0.0400	0.0376	
88 1,3,5-Trimethylbenzene	120	18.422	18.430	-0.008	91	4925	0.0400	0.0371	
89 Alpha Methyl Styrene	118	18.658	18.659	-0.001	82	3563	0.0400	0.0262	
90 n-Decane	57	18.701	18.702	-0.001	89	7162	0.0400	0.0334	
91 tert-Butylbenzene	119	18.852	18.853	-0.001	87	11184	0.0400	0.0369	
92 1,2,4-Trimethylbenzene	105	18.863	18.865	-0.002	96	10918	0.0400	0.0363	
93 sec-Butylbenzene	105	19.116	19.117	-0.001	97	15728	0.0400	0.0359	
94 1,3-Dichlorobenzene	146	19.137	19.138	-0.001	96	10032	0.0400	0.0438	
95 Benzyl chloride	91	19.213	19.212	0.001	97	7303	0.0400	0.0346	
96 1,4-Dichlorobenzene	146	19.223	19.224	-0.001	96	9899	0.0400	0.0438	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	95	12016	0.0400	0.0346	
98 1,2,3-Trimethylbenzene	105	19.331	19.333	-0.002	98	10361	0.0400	0.0344	
99 Butylcyclohexane	83	19.379	19.381	-0.002	90	8300	0.0400	0.0349	
100 2,3-Dihydroindene	117	19.578	19.579	-0.001	90	10005	0.0400	0.0345	
101 1,2-Dichlorobenzene	146	19.578	19.582	-0.004	92	10056	0.0400	0.0437	
102 n-Butylbenzene	91	19.707	19.704	0.003	94	13577	0.0400	0.0374	
103 Indene	116	19.713	19.709	0.004	71	7630	0.0400	0.0324	
104 Undecane	57	19.998	19.999	-0.001	92	8072	0.0400	0.0331	
105 1,2-Dibromo-3-Chloropropane	157	20.170	20.176	-0.006	90	3173	0.0400	0.0326	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.456	-0.001	97	12328	0.0400	0.0360	
107 Dodecane	57	21.074	21.073	0.001	93	8975	0.0400	0.0351	
108 1,2,4-Trichlorobenzene	180	21.311	21.307	0.004	93	9519	0.0400	0.0529	
109 Naphthalene	128	21.456	21.456	0.000	98	23238	0.0400	0.0544	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	91	13735	0.0400	0.0502	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	96	13673	0.0400	0.0715	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	93	6856	0.0400	0.0717	
113 1-Methylnaphthalene	142	22.387	22.388	-0.002	98	9672	0.0400	0.0910	
A 115 C8 Range	1	14.785	(14.764-14.807)		0	21556	0.0400	0.0338	
S 116 Xylenes, Total	100				0		0.1200	0.1187	
S 117 1,2-Dichloroethene, Total	1				0		0.0800	0.0805	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00042

Amount Added: 100.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:12:36

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC02.D

Injection Date: 09-Jun-2021 19:40:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L2

Worklist Smp#: 10

Client ID:

Purge Vol: 500.000 mL

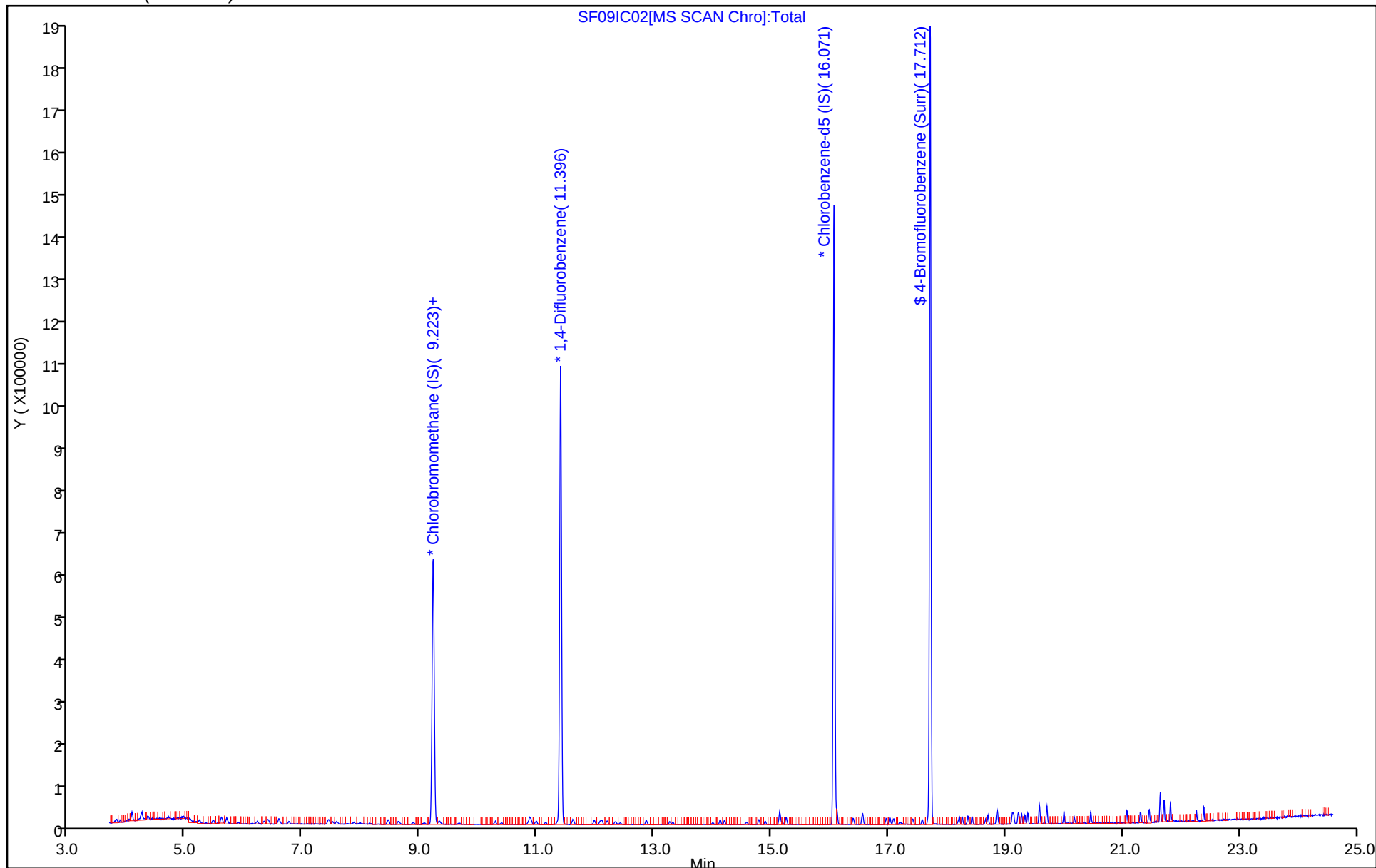
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 10-Jun-2021 10:12:37

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC02.D

Injection Date: 09-Jun-2021 19:40:30

Instrument ID: MS

Lims ID: IC L2

Client ID:

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 10

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

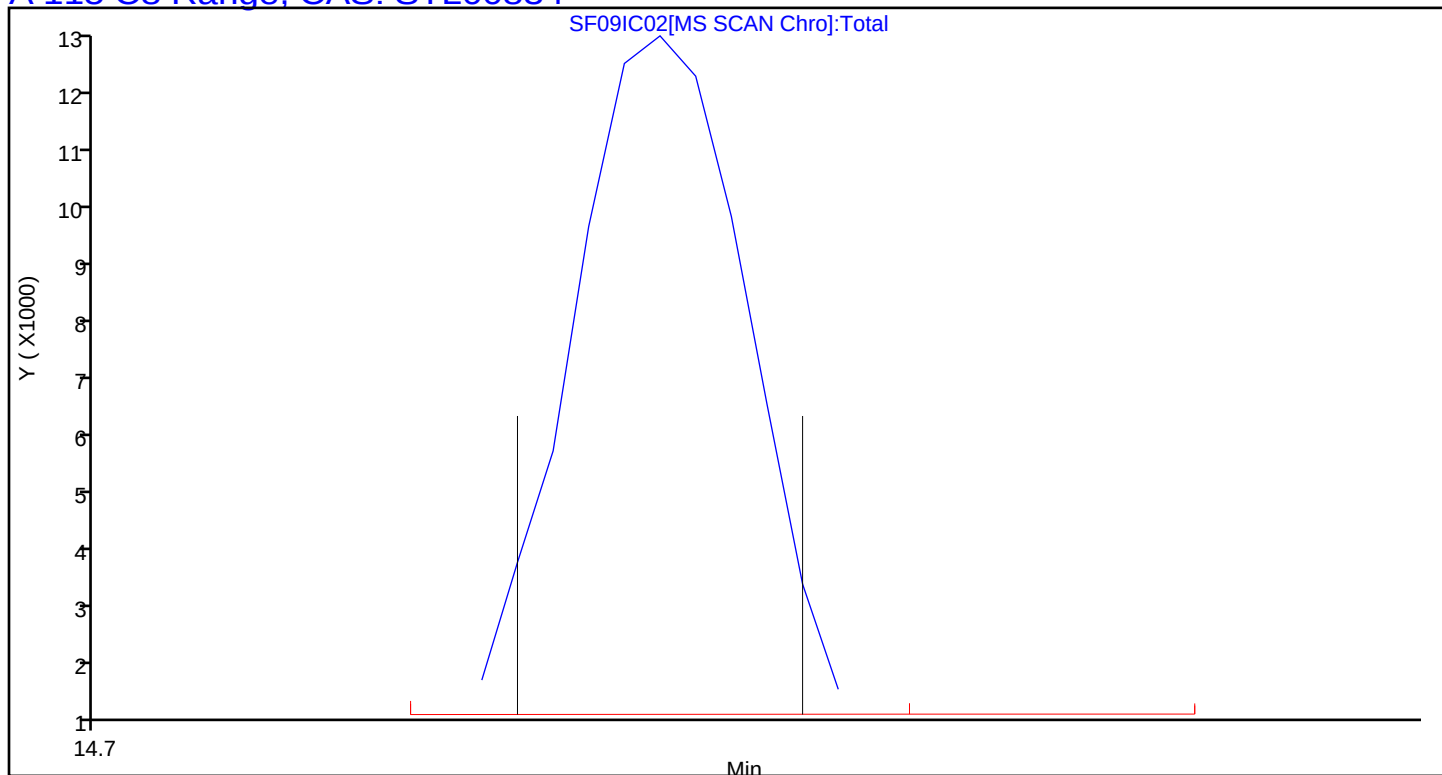
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC03.D
 Lims ID: IC L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 09-Jun-2021 20:27:30 ALS Bottle#: 12 Worklist Smp#: 11
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-011
 Misc. Info.: 387801
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:12:43 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:18:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.225	-0.002	97	206580	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.403	-0.002	94	1019100	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	87	857465	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.713	-0.001	96	595793	4.64	4.50	
6 Chlorodifluoromethane	51	3.805	3.810	-0.005	95	10181	0.0800	0.0874	
7 Propene	41	3.832	3.823	0.009	85	4199	0.0800	0.0847	
8 Dichlorodifluoromethane	85	3.875	3.878	-0.003	100	13280	0.0800	0.0812	
9 Chloromethane	52	4.069	4.074	-0.005	54	2328	0.0800	0.0961	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.080	-0.006	90	12353	0.0800	0.0813	
11 Acetaldehyde	44	4.236	4.240	-0.004	88	23246	0.4000	0.6834	
12 Vinyl chloride	62	4.257	4.258	-0.001	97	6360	0.0800	0.0824	
14 Butane	43	4.360	4.354	0.006	87	6900	0.0800	0.0782	
13 Butadiene	54	4.349	4.352	-0.003	82	4221	0.0800	0.0783	
15 Bromomethane	94	4.688	4.702	-0.014	96	5649	0.0800	0.0875	
16 Chloroethane	64	4.849	4.856	-0.007	94	2157	0.0800	0.0829	
17 Ethanol	31	4.946	4.946	0.000	90	8580	0.4000	0.4636	
18 Vinyl bromide	106	5.172	5.180	-0.008	95	5268	0.0800	0.0803	
19 2-Methylbutane	43	5.231	5.230	0.001	86	6092	0.0800	0.0842	
20 Trichlorofluoromethane	101	5.468	5.468	0.000	97	12786	0.0800	0.0789	
21 Acrolein	56	5.473	5.476	-0.003	30	2215	0.0800	0.0956	
22 Acetonitrile	40	5.554	5.564	-0.010	97	1870	0.0800	0.0720	
23 Acetone	58	5.597	5.597	0.000	96	17376	0.2400	-0.2289	
24 Isopropyl alcohol	45	5.694	5.685	0.009	83	18974	0.2400	0.2323	
25 Pentane	72	5.694	5.703	-0.009	77	486	0.0800	0.0719	
26 Ethyl ether	31	5.882	5.877	0.005	91	4423	0.0800	0.0800	
27 1,1-Dichloroethene	96	6.215	6.219	-0.004	98	4798	0.0800	0.0813	
28 Acrylonitrile	53	6.328	6.327	0.001	67	4833	0.0800	0.0926	
29 2-Methyl-2-propanol	59	6.323	6.320	0.003	93	9127	0.0800	0.0825	
30 112TCTFE	101	6.398	6.401	-0.003	97	10793	0.0800	0.0781	
31 Methylene Chloride	84	6.587	6.588	-0.001	97	7414	0.0800	0.1268	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.592	6.601	-0.009	49	3441	0.0800	0.0786	
33 Carbon disulfide	76	6.759	6.762	-0.003	98	16319	0.0800	0.0907	
34 trans-1,2-Dichloroethene	96	7.437	7.433	0.004	93	4814	0.0800	0.0828	
35 2-Methylpentane	43	7.442	7.446	-0.004	93	11602	0.0800	0.0837	
36 Methyl tert-butyl ether	73	7.571	7.558	0.013	97	11373	0.0800	0.0782	
37 1,1-Dichloroethane	63	7.856	7.870	-0.014	98	10797	0.0800	0.0851	
38 Vinyl acetate	43	7.975	7.970	0.005	100	9641	0.0800	0.0726	
40 Hexane	56	8.453	8.458	-0.005	73	3908	0.0800	0.0770	
39 2-Butanone (MEK)	72	8.437	8.432	0.005	98	2987	0.0800	0.1011	
41 Isopropyl ether	45	8.626	8.617	0.009	95	15161	0.0800	0.0733	
42 cis-1,2-Dichloroethene	96	8.873	8.883	-0.010	94	4806	0.0800	0.0787	
43 Ethyl acetate	43	9.067	9.060	0.007	98	11274	0.0800	0.0822	
44 Chloroform	83	9.223	9.232	-0.009	28	11287	0.0800	0.0845	
45 Tert-butyl ethyl ether	59	9.320	9.314	0.006	97	14583	0.0800	0.0736	
46 Tetrahydrofuran	42	9.648	9.640	0.008	92	5254	0.0800	0.0809	
47 1,1,1-Trichloroethane	97	10.282	10.285	-0.003	97	9363	0.0800	0.0770	
48 1,2-Dichloroethane	62	10.395	10.393	0.002	94	7105	0.0800	0.0839	
50 Cyclohexane	69	10.869	10.874	-0.005	62	1968	0.0800	0.0734	
51 Benzene	78	10.869	10.874	-0.005	97	15996	0.0800	0.0827	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	88	9315	0.0800	0.0763	
53 2,3-Dimethylpentane	71	10.987	10.985	0.002	89	2752	0.0800	0.0758	
54 Thiophene	84	11.138	11.143	-0.005	98	8459	0.0800	0.0797	
55 Isooctane	57	11.606	11.613	-0.007	98	25313	0.0800	0.0755	
56 n-Heptane	71	11.977	11.978	-0.001	88	3820	0.0800	0.0703	
57 1,2-Dichloropropane	63	12.074	12.073	0.001	95	6835	0.0800	0.0786	
58 Trichloroethene	130	12.106	12.106	0.000	94	6968	0.0800	0.0812	
59 Dibromomethane	93	12.187	12.194	-0.007	96	6696	0.0800	0.0805	
60 Dichlorobromomethane	83	12.332	12.334	-0.002	97	9094	0.0800	0.0718	
61 1,4-Dioxane	88	12.359	12.342	0.017	58	1986	0.0800	0.0750	
62 Methyl methacrylate	41	12.413	12.411	0.002	95	5199	0.0800	0.0708	
63 Methylcyclohexane	83	12.859	12.865	-0.006	90	6969	0.0800	0.0600	
64 4-Methyl-2-pentanone (MIBK)	43	13.263	13.254	0.009	92	9892	0.0800	0.0702	
65 cis-1,3-Dichloropropene	75	13.322	13.319	0.003	93	6910	0.0800	0.0689	
66 trans-1,3-Dichloropropene	75	14.005	14.001	0.004	95	5461	0.0800	0.0666	
67 Toluene	91	14.118	14.126	-0.008	91	17003	0.0800	0.0772	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	97	5893	0.0800	0.0802	
69 2-Hexanone	58	14.575	14.569	0.006	91	4526	0.0800	0.0620	
70 n-Octane	85	14.785	14.786	-0.001	90	3355	0.0800	0.0618	
71 Chlorodibromomethane	129	14.893	14.897	-0.004	95	9076	0.0800	0.0685	
72 Ethylene Dibromide	107	15.189	15.187	0.002	95	9674	0.0800	0.0771	
73 Tetrachloroethene	129	15.253	15.253	0.000	95	6688	0.0800	0.0755	
75 Chlorobenzene	112	16.119	16.119	0.000	91	16079	0.0800	0.0854	
74 2,3-Dimethylheptane	43	16.119	16.120	-0.001	93	16555	0.0800	0.0795	
76 Ethylbenzene	91	16.399	16.400	-0.001	98	20221	0.0800	0.0741	
77 m-Xylene & p-Xylene	91	16.560	16.559	0.001	97	32084	0.1600	0.1462	
78 n-Nonane	57	16.959	16.962	-0.004	92	8866	0.0800	0.0600	
79 Bromoform	173	17.018	17.020	-0.002	86	8614	0.0800	0.0608	
80 Styrene	104	17.023	17.028	-0.005	95	10687	0.0800	0.0658	
81 o-Xylene	91	17.082	17.088	-0.006	99	17210	0.0800	0.0767	
82 1,1,2,2-Tetrachloroethane	83	17.421	17.417	0.004	97	12996	0.0800	0.0743	
83 1,2,3-Trichloropropane	110	17.577	17.580	-0.003	96	2629	0.0800	0.0703	
84 Isopropylbenzene	105	17.679	17.679	0.000	89	22871	0.0800	0.0735	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	18.212	18.212	0.000	99	5819	0.0800	0.0697	
86 2-Chlorotoluene	126	18.266	18.261	0.005	97	6778	0.0800	0.0818	
87 4-Ethyltoluene	105	18.363	18.359	0.004	98	21849	0.0800	0.0682	
88 1,3,5-Trimethylbenzene	120	18.427	18.430	-0.003	92	9054	0.0800	0.0720	
89 Alpha Methyl Styrene	118	18.658	18.659	-0.001	86	7036	0.0800	0.0545	
90 n-Decane	57	18.696	18.702	-0.006	90	13697	0.0800	0.0674	
91 tert-Butylbenzene	119	18.852	18.853	-0.001	92	20716	0.0800	0.0721	
92 1,2,4-Trimethylbenzene	105	18.863	18.865	-0.002	96	19761	0.0800	0.0693	
93 sec-Butylbenzene	105	19.116	19.117	-0.001	99	29582	0.0800	0.0712	
94 1,3-Dichlorobenzene	146	19.137	19.138	-0.001	97	16942	0.0800	0.0779	
95 Benzyl chloride	91	19.207	19.212	-0.005	97	12588	0.0800	0.0629	
96 1,4-Dichlorobenzene	146	19.223	19.224	-0.001	94	16708	0.0800	0.0779	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	96	22505	0.0800	0.0683	
98 1,2,3-Trimethylbenzene	105	19.331	19.333	-0.002	98	20743	0.0800	0.0727	
99 Butylcyclohexane	83	19.385	19.381	0.004	91	15823	0.0800	0.0702	
100 2,3-Dihydroindene	117	19.578	19.579	-0.001	91	19537	0.0800	0.0710	
101 1,2-Dichlorobenzene	146	19.584	19.582	0.002	93	16698	0.0800	0.0765	
102 n-Butylbenzene	91	19.702	19.704	-0.002	96	24936	0.0800	0.0724	
103 Indene	116	19.707	19.709	-0.002	87	14341	0.0800	0.0642	
104 Undecane	57	19.998	19.999	-0.001	92	16656	0.0800	0.0721	
105 1,2-Dibromo-3-Chloropropane	157	20.181	20.176	0.005	93	6458	0.0800	0.0700	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.456	-0.001	96	23313	0.0800	0.0719	
107 Dodecane	57	21.074	21.073	0.001	94	19406	0.0800	0.0800	
108 1,2,4-Trichlorobenzene	180	21.311	21.307	0.004	93	14447	0.0800	0.0847	
109 Naphthalene	128	21.456	21.456	0.000	99	32504	0.0800	0.0803	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	91	23567	0.0800	0.0908	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	92	18608	0.0800	0.1026	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	99	9921	0.0800	0.1094	
113 1-Methylnaphthalene	142	22.386	22.388	-0.002	97	14138	0.0800	0.1403	
A 115 C8 Range	1	14.791	(14.758-14.823)		0	43838	0.0800	0.0720	
S 116 Xylenes, Total	100				0		0.2400	0.2229	
S 117 1,2-Dichloroethene, Total	1				0		0.1600	0.1615	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00042

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:12:44

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC03.D

Injection Date: 09-Jun-2021 20:27:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L3

Worklist Smp#: 11

Client ID:

Purge Vol: 500.000 mL

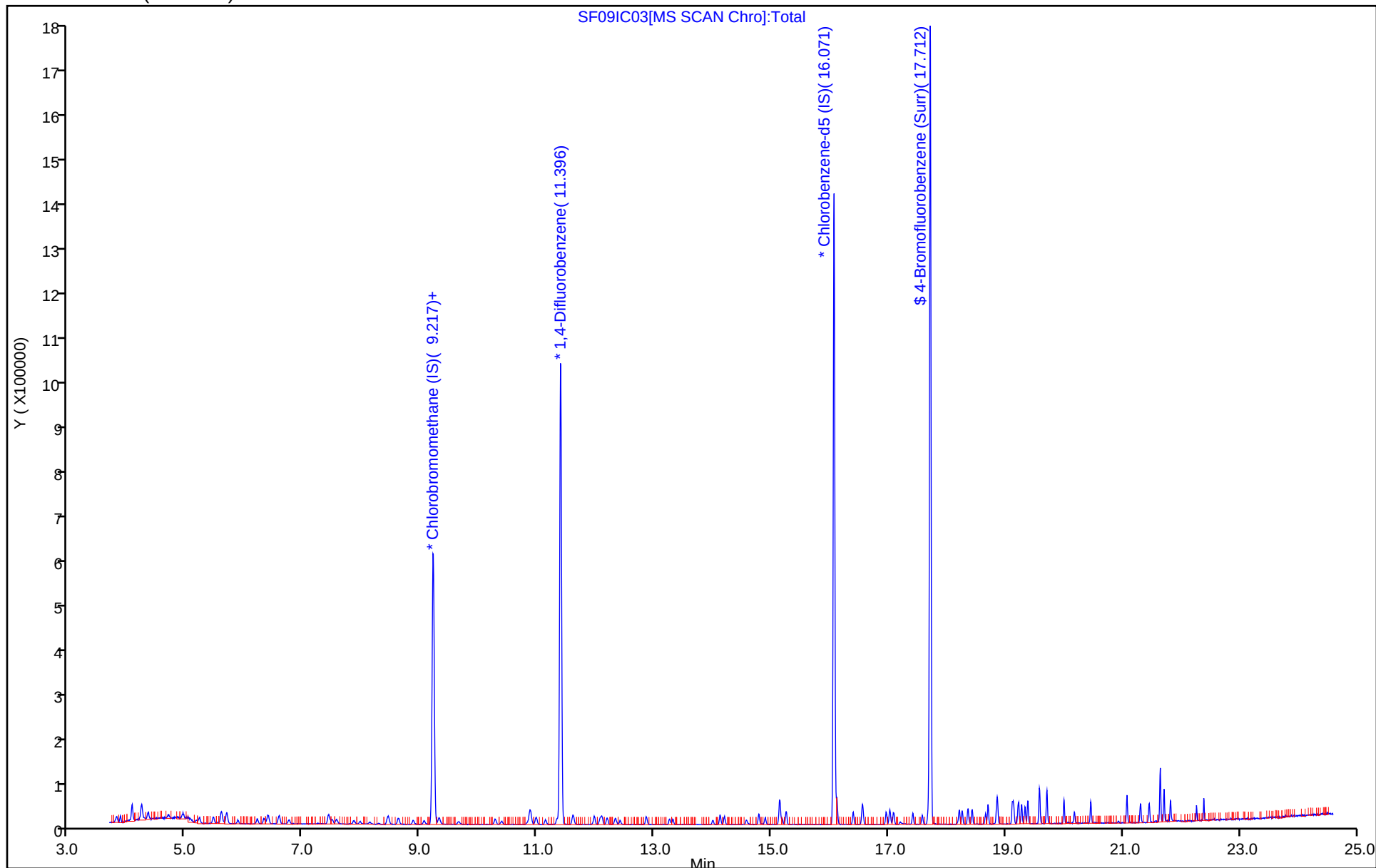
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC03.D

Injection Date: 09-Jun-2021 20:27:30

Instrument ID: MS

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#: 12

Worklist Smp#: 11

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

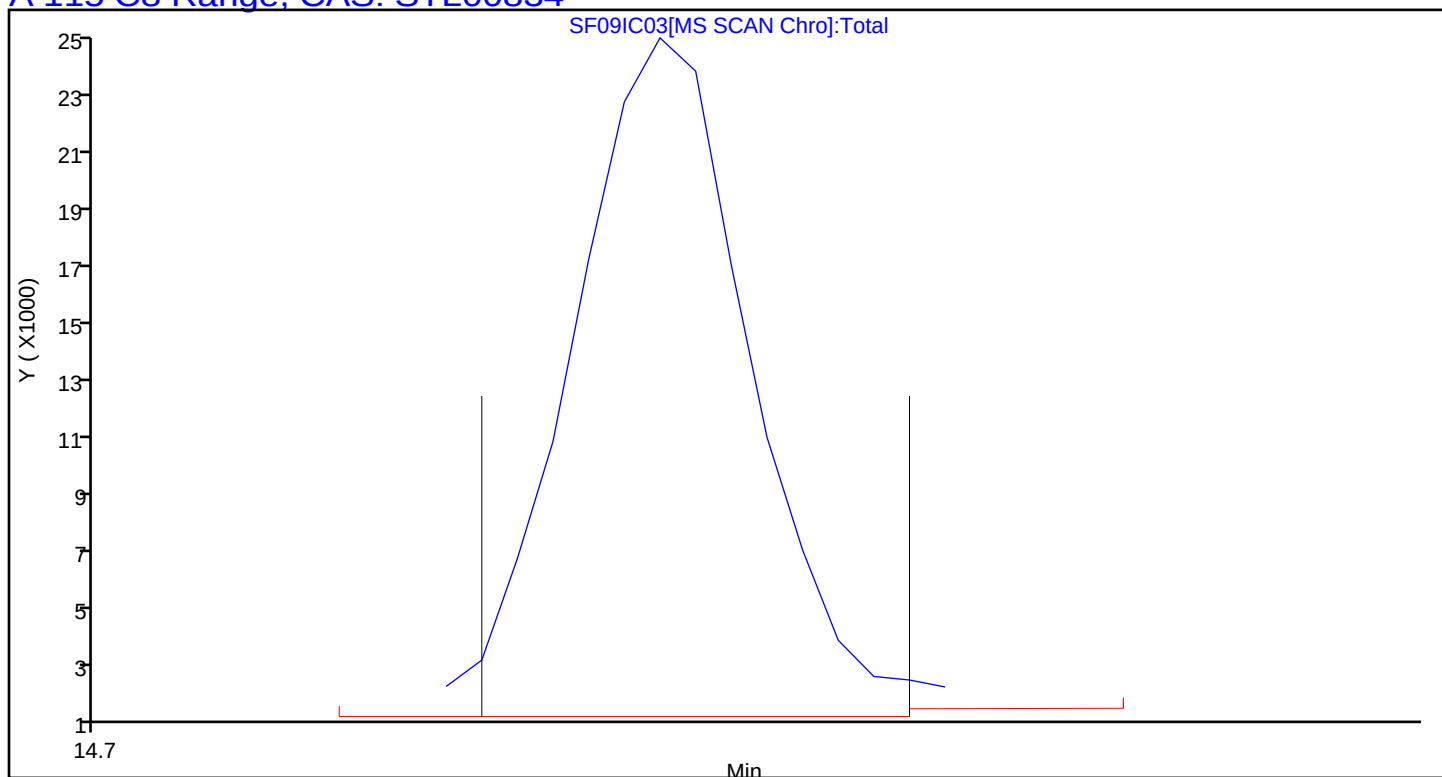
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC04.D
 Lims ID: IC L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 09-Jun-2021 21:15:30 ALS Bottle#: 13 Worklist Smp#: 12
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-012
 Misc. Info.: 387800
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:12:49 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:19:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.225	-0.002	98	198237	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.403	-0.002	94	1000141	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	86	847616	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.717	17.713	0.004	96	588214	4.64	4.50	
6 Chlorodifluoromethane	51	3.816	3.810	0.006	96	18848	0.1600	0.1686	
7 Propene	41	3.827	3.823	0.004	87	8489	0.1600	0.1784	
8 Dichlorodifluoromethane	85	3.875	3.878	-0.003	99	25606	0.1600	0.1632	
9 Chloromethane	52	4.074	4.074	0.000	56	4915	0.1600	0.2115	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.085	4.080	0.005	89	24702	0.1600	0.1694	
11 Acetaldehyde	44	4.241	4.240	0.001	88	34460	0.8000	1.06	
12 Vinyl chloride	62	4.257	4.258	-0.001	97	13027	0.1600	0.1760	
13 Butadiene	54	4.360	4.352	0.008	69	9587	0.1600	0.1853	
14 Butane	43	4.354	4.354	0.000	84	16302	0.1600	0.1924	
15 Bromomethane	94	4.698	4.702	-0.004	99	12101	0.1600	0.1953	
16 Chloroethane	64	4.855	4.856	-0.002	92	4205	0.1600	0.1683	
17 Ethanol	31	4.946	4.946	0.000	91	14710	0.8000	0.8283	
18 Vinyl bromide	106	5.183	5.180	0.003	94	10674	0.1600	0.1696	
19 2-Methylbutane	43	5.226	5.230	-0.004	90	12329	0.1600	0.1775	
20 Trichlorofluoromethane	101	5.468	5.468	0.000	99	27031	0.1600	0.1738	
21 Acrolein	56	5.479	5.476	0.003	29	3710	0.1600	0.1668	
22 Acetonitrile	40	5.548	5.564	-0.016	93	5284	0.1600	0.2121	
23 Acetone	58	5.608	5.597	0.011	97	25092	0.4800	0.0746	
24 Isopropyl alcohol	45	5.688	5.685	0.003	90	38788	0.4800	0.4950	
25 Pentane	72	5.710	5.703	0.007	88	1187	0.1600	0.1831	
26 Ethyl ether	31	5.882	5.877	0.005	94	8720	0.1600	0.1644	
27 1,1-Dichloroethene	96	6.221	6.219	0.002	95	9529	0.1600	0.1682	
29 2-Methyl-2-propanol	59	6.334	6.320	0.014	92	17077	0.1600	0.1609	
28 Acrylonitrile	53	6.329	6.327	0.001	71	8710	0.1600	0.1738	
30 112TCTFE	101	6.398	6.401	-0.003	95	22223	0.1600	0.1677	
31 Methylene Chloride	84	6.587	6.588	-0.001	97	11451	0.1600	0.2041	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.603	6.601	0.002	84	7587	0.1600	0.1807	
33 Carbon disulfide	76	6.764	6.762	0.002	98	30315	0.1600	0.1756	
34 trans-1,2-Dichloroethene	96	7.426	7.433	-0.007	95	9391	0.1600	0.1683	
35 2-Methylpentane	43	7.447	7.446	0.001	95	21706	0.1600	0.1632	
36 Methyl tert-butyl ether	73	7.571	7.558	0.013	96	22773	0.1600	0.1632	
37 1,1-Dichloroethane	63	7.872	7.870	0.002	100	20153	0.1600	0.1655	
38 Vinyl acetate	43	7.975	7.970	0.005	100	19032	0.1600	0.1494	
39 2-Butanone (MEK)	72	8.443	8.432	0.011	94	4817	0.1600	0.1698	
40 Hexane	56	8.453	8.458	-0.005	90	7981	0.1600	0.1639	
41 Isopropyl ether	45	8.620	8.617	0.003	98	31772	0.1600	0.1600	
42 cis-1,2-Dichloroethene	96	8.884	8.883	0.001	97	9279	0.1600	0.1583	
43 Ethyl acetate	43	9.067	9.060	0.007	98	20919	0.1600	0.1590	
44 Chloroform	83	9.233	9.232	0.001	40	21540	0.1600	0.1681	
45 Tert-butyl ethyl ether	59	9.325	9.314	0.011	96	29678	0.1600	0.1561	
46 Tetrahydrofuran	42	9.648	9.640	0.008	91	9786	0.1600	0.1571	
47 1,1,1-Trichloroethane	97	10.288	10.285	0.003	97	18842	0.1600	0.1614	
48 1,2-Dichloroethane	62	10.390	10.393	-0.003	96	13428	0.1600	0.1615	
49 n-Butanol	31	10.831	10.814	0.017	87	2517	0.1600	0.1395	
50 Cyclohexane	69	10.880	10.874	0.006	69	4093	0.1600	0.1556	
51 Benzene	78	10.874	10.874	0.000	97	30588	0.1600	0.1612	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	95	14643	0.1600	0.1222	
53 2,3-Dimethylpentane	71	10.987	10.985	0.002	89	5275	0.1600	0.1481	
54 Thiophene	84	11.143	11.143	0.000	98	16669	0.1600	0.1601	
55 Isooctane	57	11.617	11.613	0.004	98	49953	0.1600	0.1519	
56 n-Heptane	71	11.982	11.978	0.004	89	7520	0.1600	0.1410	
57 1,2-Dichloropropane	63	12.074	12.073	0.001	97	13433	0.1600	0.1573	
58 Trichloroethene	130	12.106	12.106	0.000	96	12974	0.1600	0.1540	
59 Dibromomethane	93	12.187	12.194	-0.007	97	13306	0.1600	0.1630	
60 Dichlorobromomethane	83	12.332	12.334	-0.002	99	18520	0.1600	0.1489	
61 1,4-Dioxane	88	12.354	12.342	0.012	87	3674	0.1600	0.1413	
62 Methyl methacrylate	41	12.418	12.411	0.007	92	9864	0.1600	0.1368	
63 Methylcyclohexane	83	12.865	12.865	0.000	93	14376	0.1600	0.1260	
64 4-Methyl-2-pentanone (MIBK)	43	13.257	13.254	0.003	97	20763	0.1600	0.1502	
65 cis-1,3-Dichloropropene	75	13.317	13.319	-0.002	91	14873	0.1600	0.1510	
66 trans-1,3-Dichloropropene	75	14.000	14.001	-0.001	98	11466	0.1600	0.1415	
67 Toluene	91	14.129	14.126	0.003	92	32300	0.1600	0.1484	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	93	12324	0.1600	0.1697	
69 2-Hexanone	58	14.570	14.569	0.001	93	9162	0.1600	0.1270	
70 n-Octane	85	14.791	14.786	0.005	91	7977	0.1600	0.1486	
71 Chlorodibromomethane	129	14.893	14.897	-0.004	96	17755	0.1600	0.1356	
72 Ethylene Dibromide	107	15.183	15.187	-0.004	96	18658	0.1600	0.1504	
73 Tetrachloroethene	129	15.253	15.253	0.000	95	13723	0.1600	0.1567	
75 Chlorobenzene	112	16.114	16.119	-0.005	93	29554	0.1600	0.1587	
74 2,3-Dimethylheptane	43	16.119	16.120	-0.001	94	33052	0.1600	0.1605	
76 Ethylbenzene	91	16.399	16.400	-0.001	98	40625	0.1600	0.1506	
77 m-Xylene & p-Xylene	91	16.560	16.559	0.001	96	64559	0.3200	0.2977	
78 n-Nonane	57	16.964	16.962	0.002	89	20145	0.1600	0.1379	
79 Bromoform	173	17.018	17.020	-0.002	97	16716	0.1600	0.1193	
80 Styrene	104	17.028	17.028	0.000	99	20825	0.1600	0.1297	
81 o-Xylene	91	17.088	17.088	0.000	99	34008	0.1600	0.1533	
82 1,1,2,2-Tetrachloroethane	83	17.416	17.417	-0.001	99	26942	0.1600	0.1558	
83 1,2,3-Trichloropropane	110	17.583	17.580	0.003	97	6023	0.1600	0.1630	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.679	17.679	0.000	90	45213	0.1600	0.1470	
85 N-Propylbenzene	120	18.207	18.212	-0.005	98	11286	0.1600	0.1368	
86 2-Chlorotoluene	126	18.266	18.261	0.005	97	12472	0.1600	0.1522	
87 4-Ethyltoluene	105	18.357	18.359	-0.002	99	46362	0.1600	0.1464	
88 1,3,5-Trimethylbenzene	120	18.433	18.430	0.003	91	17816	0.1600	0.1434	
89 Alpha Methyl Styrene	118	18.658	18.659	-0.001	87	14604	0.1600	0.1145	
90 n-Decane	57	18.702	18.702	0.000	89	30034	0.1600	0.1495	
91 tert-Butylbenzene	119	18.852	18.853	-0.001	90	41958	0.1600	0.1477	
92 1,2,4-Trimethylbenzene	105	18.863	18.865	-0.002	96	42603	0.1600	0.1511	
93 sec-Butylbenzene	105	19.116	19.117	-0.001	99	60064	0.1600	0.1463	
94 1,3-Dichlorobenzene	146	19.137	19.138	-0.001	98	31314	0.1600	0.1457	
95 Benzyl chloride	91	19.213	19.212	0.001	97	23729	0.1600	0.1200	
96 1,4-Dichlorobenzene	146	19.223	19.224	-0.001	94	30618	0.1600	0.1444	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	96	46195	0.1600	0.1417	
98 1,2,3-Trimethylbenzene	105	19.331	19.333	-0.002	98	42254	0.1600	0.1498	
99 Butylcyclohexane	83	19.379	19.381	-0.002	91	34512	0.1600	0.1549	
100 2,3-Dihydroindene	117	19.578	19.579	-0.001	91	39301	0.1600	0.1445	
101 1,2-Dichlorobenzene	146	19.578	19.582	-0.004	94	31368	0.1600	0.1454	
102 n-Butylbenzene	91	19.702	19.704	-0.002	94	51135	0.1600	0.1502	
103 Indene	116	19.708	19.709	-0.001	90	29642	0.1600	0.1342	
104 Undecane	57	19.998	19.999	-0.001	93	33491	0.1600	0.1467	
105 1,2-Dibromo-3-Chloropropane	157	20.176	20.176	0.000	96	11618	0.1600	0.1273	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.456	-0.001	97	45801	0.1600	0.1429	
107 Dodecane	57	21.074	21.073	0.001	94	36210	0.1600	0.1510	
108 1,2,4-Trichlorobenzene	180	21.305	21.307	-0.002	93	23223	0.1600	0.1377	
109 Naphthalene	128	21.456	21.456	0.000	99	51115	0.1600	0.1277	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	93	43782	0.1600	0.1707	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	94	31908	0.1600	0.1780	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	96	11419	0.1600	0.1274	
113 1-Methylnaphthalene	142	22.392	22.388	0.004	98	17186	0.1600	0.1725	
A 115 C8 Range	1	14.791	(14.753-14.828)		0	87885	0.1600	0.1471	
S 116 Xylenes, Total	100				0		0.4800	0.4509	
S 117 1,2-Dichloroethene, Total	1				0		0.3200	0.3266	

QC Flag Legend

Processing Flags

Reagents:

40L4DQP_00027

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:12:50

Chrom Revision: 2.3 13-May-2021 07:57:40

Euofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC04.D

Injection Date: 09-Jun-2021 21:15:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L4

Worklist Smp#: 12

Client ID:

Purge Vol: 500.000 mL

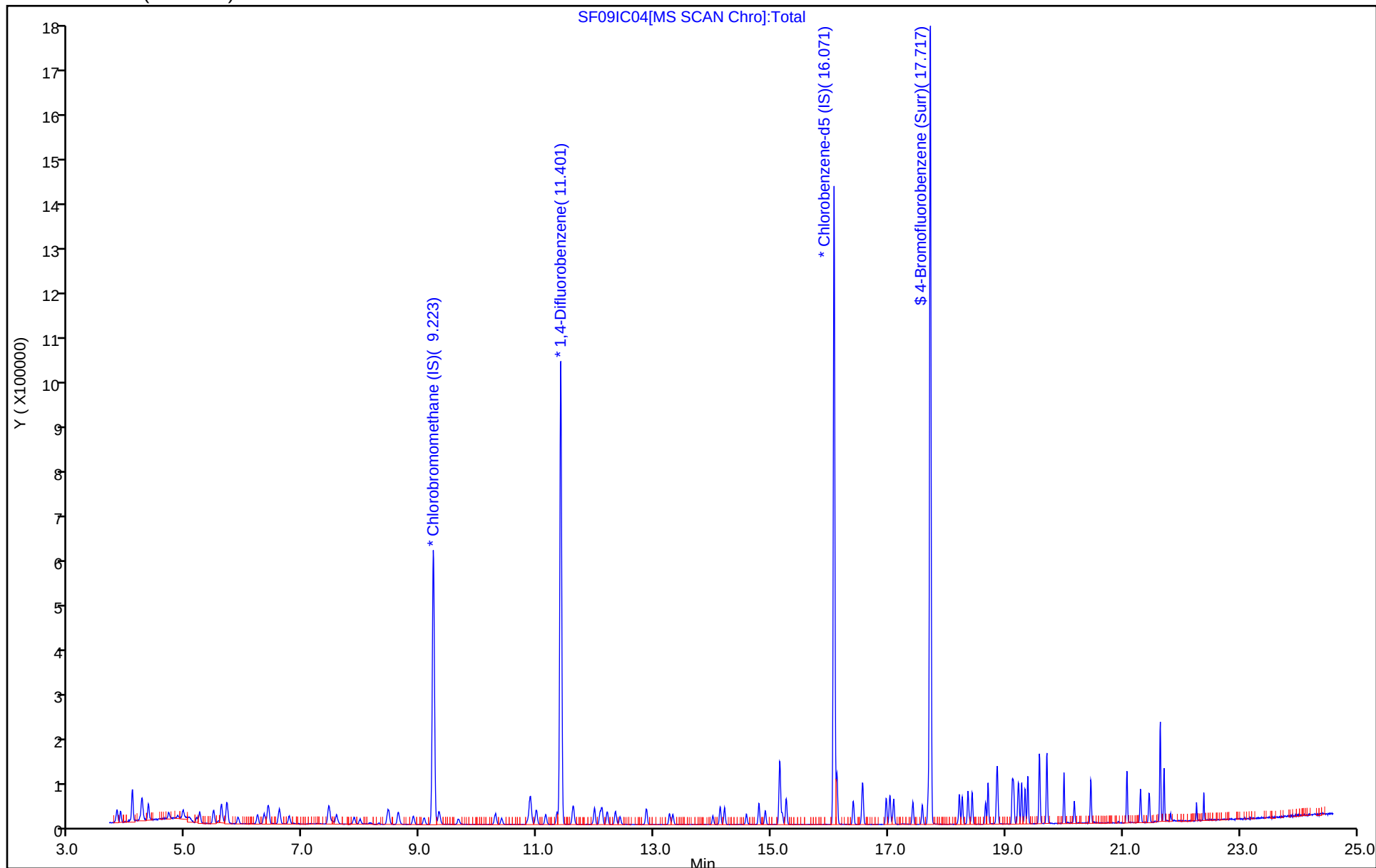
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC04.D

Injection Date: 09-Jun-2021 21:15:30

Instrument ID: MS

Lims ID: IC L4

Client ID:

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 12

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

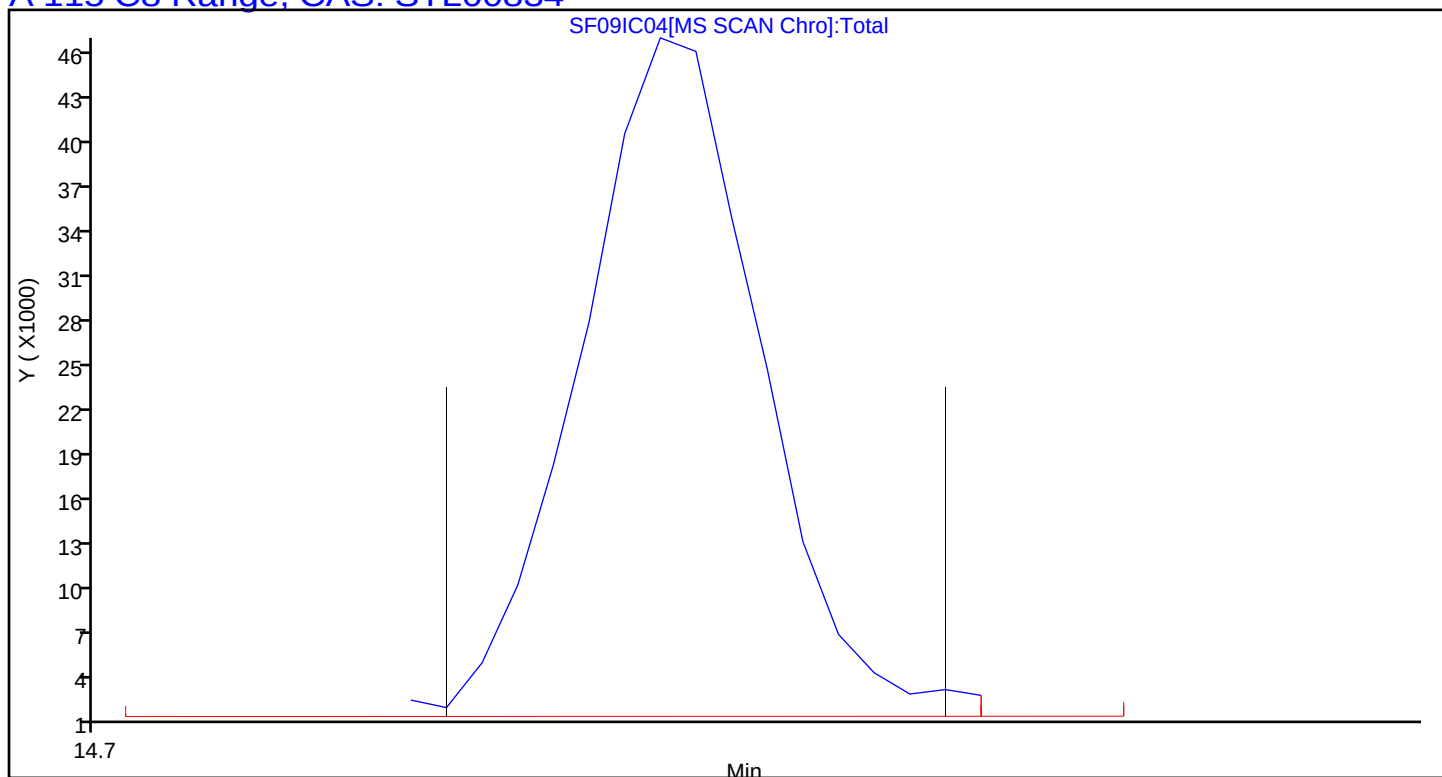
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC05.D
 Lims ID: IC L5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 09-Jun-2021 22:04:30 ALS Bottle#: 14 Worklist Smp#: 13
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-013
 Misc. Info.: 387799
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:12:55 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:20:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.225	-0.002	98	204286	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.403	-0.002	94	1039626	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	87	885413	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.713	-0.001	97	620446	4.64	4.54	
6 Chlorodifluoromethane	51	3.811	3.810	0.001	95	46159	0.4000	0.4007	
7 Propene	41	3.822	3.823	-0.001	95	21311	0.4000	0.4346	
8 Dichlorodifluoromethane	85	3.881	3.878	0.003	100	66295	0.4000	0.4101	
9 Chloromethane	52	4.074	4.074	0.000	61	10369	0.4000	0.4329	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.080	0.000	88	62612	0.4000	0.4168	
11 Acetaldehyde	44	4.241	4.240	0.001	85	94136	2.00	2.80	
12 Vinyl chloride	62	4.257	4.258	-0.001	98	33168	0.4000	0.4348	
14 Butane	43	4.354	4.354	0.000	86	41587	0.4000	0.4763	
13 Butadiene	54	4.354	4.352	0.002	68	25123	0.4000	0.4713	
15 Bromomethane	94	4.704	4.702	0.002	96	28403	0.4000	0.4449	
16 Chloroethane	64	4.854	4.856	-0.002	95	11716	0.4000	0.4552	
17 Ethanol	31	4.946	4.946	0.000	89	42548	2.00	2.32	
18 Vinyl bromide	106	5.188	5.180	0.008	99	27756	0.4000	0.4278	
19 2-Methylbutane	43	5.231	5.230	0.001	87	28705	0.4000	0.4011	
20 Trichlorofluoromethane	101	5.468	5.468	0.000	98	65059	0.4000	0.4059	
21 Acrolein	56	5.479	5.476	0.002	30	9775	0.4000	0.4266	
22 Acetonitrile	40	5.548	5.564	-0.016	96	10085	0.4000	0.3927	
23 Acetone	58	5.597	5.597	0.000	98	67737	1.20	1.54	
24 Isopropyl alcohol	45	5.683	5.685	-0.002	94	99208	1.20	1.23	
25 Pentane	72	5.699	5.703	-0.004	94	2616	0.4000	0.3916	
26 Ethyl ether	31	5.877	5.877	0.000	93	22300	0.4000	0.4080	
27 1,1-Dichloroethene	96	6.221	6.219	0.002	94	23685	0.4000	0.4057	
28 Acrylonitrile	53	6.328	6.327	0.001	61	20523	0.4000	0.3975	
29 2-Methyl-2-propanol	59	6.328	6.320	0.008	92	43966	0.4000	0.4019	
30 112TCTFE	101	6.409	6.401	0.008	98	55508	0.4000	0.4064	
31 Methylene Chloride	84	6.587	6.588	-0.001	99	24751	0.4000	0.4280	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.597	6.601	-0.004	94	18180	0.4000	0.4202	
33 Carbon disulfide	76	6.759	6.762	-0.003	98	71284	0.4000	0.4008	
34 trans-1,2-Dichloroethene	96	7.431	7.433	-0.002	94	22513	0.4000	0.3915	
35 2-Methylpentane	43	7.447	7.446	0.001	95	53977	0.4000	0.3938	
36 Methyl tert-butyl ether	73	7.555	7.558	-0.003	97	57030	0.4000	0.3967	
37 1,1-Dichloroethane	63	7.872	7.870	0.002	99	49622	0.4000	0.3955	
38 Vinyl acetate	43	7.969	7.970	-0.001	100	49042	0.4000	0.3736	
39 2-Butanone (MEK)	72	8.437	8.432	0.005	97	12979	0.4000	0.4440	
40 Hexane	56	8.459	8.458	0.001	90	20513	0.4000	0.4088	
41 Isopropyl ether	45	8.615	8.617	-0.002	97	81929	0.4000	0.4005	
42 cis-1,2-Dichloroethene	96	8.884	8.883	0.001	98	23536	0.4000	0.3897	
43 Ethyl acetate	43	9.061	9.060	0.001	99	53732	0.4000	0.3963	
44 Chloroform	83	9.233	9.232	0.001	98	51812	0.4000	0.3924	
45 Tert-butyl ethyl ether	59	9.314	9.314	0.000	95	78043	0.4000	0.3983	
46 Tetrahydrofuran	42	9.637	9.640	-0.003	93	25676	0.4000	0.3999	
47 1,1,1-Trichloroethane	97	10.282	10.285	-0.003	97	46888	0.4000	0.3898	
48 1,2-Dichloroethane	62	10.385	10.393	-0.008	96	34141	0.4000	0.3951	
49 n-Butanol	31	10.820	10.814	0.006	77	6818	0.4000	0.3635	
51 Benzene	78	10.874	10.874	0.000	97	75788	0.4000	0.3843	
50 Cyclohexane	69	10.874	10.874	0.000	65	10425	0.4000	0.3813	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	96	47596	0.4000	0.3821	
53 2,3-Dimethylpentane	71	10.987	10.985	0.002	90	14265	0.4000	0.3852	
54 Thiophene	84	11.143	11.143	0.000	97	42086	0.4000	0.3888	
55 Isooctane	57	11.617	11.613	0.004	98	132316	0.4000	0.3870	
56 n-Heptane	71	11.977	11.978	-0.001	90	22409	0.4000	0.4042	
57 1,2-Dichloropropane	63	12.074	12.073	0.001	97	34696	0.4000	0.3909	
58 Trichloroethene	130	12.106	12.106	0.000	95	32117	0.4000	0.3668	
59 Dibromomethane	93	12.192	12.194	-0.002	95	30974	0.4000	0.3650	
60 Dichlorobromomethane	83	12.327	12.334	-0.007	98	47813	0.4000	0.3699	
61 1,4-Dioxane	88	12.348	12.342	0.006	39	10093	0.4000	0.3735	
62 Methyl methacrylate	41	12.413	12.411	0.002	95	27659	0.4000	0.3690	
63 Methylcyclohexane	83	12.865	12.865	0.000	93	39617	0.4000	0.3342	
64 4-Methyl-2-pentanone (MIBK)	43	13.257	13.254	0.003	96	54361	0.4000	0.3783	
65 cis-1,3-Dichloropropene	75	13.317	13.319	-0.002	93	37256	0.4000	0.3639	
66 trans-1,3-Dichloropropene	75	14.000	14.001	-0.001	99	30862	0.4000	0.3646	
67 Toluene	91	14.123	14.126	-0.003	92	85952	0.4000	0.3781	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	95	29471	0.4000	0.3884	
69 2-Hexanone	58	14.570	14.569	0.001	93	26511	0.4000	0.3519	
70 n-Octane	85	14.785	14.786	-0.001	94	20791	0.4000	0.3709	
71 Chlorodibromomethane	129	14.893	14.897	-0.004	97	47471	0.4000	0.3471	
72 Ethylene Dibromide	107	15.189	15.187	0.002	98	48144	0.4000	0.3714	
73 Tetrachloroethene	129	15.253	15.253	0.000	97	33405	0.4000	0.3650	
75 Chlorobenzene	112	16.119	16.119	0.000	86	73635	0.4000	0.3786	
74 2,3-Dimethylheptane	43	16.119	16.120	-0.001	94	85262	0.4000	0.3964	
76 Ethylbenzene	91	16.399	16.400	-0.001	98	103572	0.4000	0.3675	
77 m-Xylene & p-Xylene	91	16.560	16.559	0.001	97	166491	0.8000	0.7349	
78 n-Nonane	57	16.959	16.962	-0.003	92	57067	0.4000	0.3741	
79 Bromoform	173	17.018	17.020	-0.002	96	49932	0.4000	0.3412	
80 Styrene	104	17.028	17.028	0.000	98	58135	0.4000	0.3467	
81 o-Xylene	91	17.088	17.088	0.000	99	87786	0.4000	0.3787	
82 1,1,2,2-Tetrachloroethane	83	17.416	17.417	-0.001	99	65471	0.4000	0.3624	
83 1,2,3-Trichloropropane	110	17.583	17.580	0.003	98	14605	0.4000	0.3784	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.679	17.679	0.000	92	115048	0.4000	0.3582	
85 N-Propylbenzene	120	18.212	18.212	0.000	99	29775	0.4000	0.3456	
86 2-Chlorotoluene	126	18.260	18.261	-0.001	98	30320	0.4000	0.3543	
87 4-Ethyltoluene	105	18.357	18.359	-0.002	99	120516	0.4000	0.3644	
88 1,3,5-Trimethylbenzene	120	18.427	18.430	-0.003	92	48183	0.4000	0.3711	
89 Alpha Methyl Styrene	118	18.658	18.659	-0.001	87	39760	0.4000	0.2985	
90 n-Decane	57	18.702	18.702	0.000	88	81085	0.4000	0.3863	
91 tert-Butylbenzene	119	18.852	18.853	-0.001	91	105574	0.4000	0.3559	
92 1,2,4-Trimethylbenzene	105	18.863	18.865	-0.002	96	104625	0.4000	0.3552	
93 sec-Butylbenzene	105	19.116	19.117	-0.001	99	149859	0.4000	0.3493	
94 1,3-Dichlorobenzene	146	19.137	19.138	-0.001	97	76440	0.4000	0.3404	
95 Benzyl chloride	91	19.213	19.212	0.001	97	66489	0.4000	0.3219	
96 1,4-Dichlorobenzene	146	19.223	19.224	-0.001	95	73379	0.4000	0.3314	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	97	118416	0.4000	0.3478	
98 1,2,3-Trimethylbenzene	105	19.331	19.333	-0.002	99	106906	0.4000	0.3628	
99 Butylcyclohexane	83	19.379	19.381	-0.002	92	87699	0.4000	0.3769	
100 2,3-Dihydroindene	117	19.578	19.579	-0.001	94	100063	0.4000	0.3523	
101 1,2-Dichlorobenzene	146	19.578	19.582	-0.004	98	76947	0.4000	0.3414	
102 n-Butylbenzene	91	19.702	19.704	-0.002	96	128039	0.4000	0.3600	
103 Indene	116	19.707	19.709	-0.002	94	78710	0.4000	0.3412	
104 Undecane	57	19.998	19.999	-0.001	93	82861	0.4000	0.3474	
105 1,2-Dibromo-3-Chloropropane	157	20.176	20.176	0.000	96	29887	0.4000	0.3136	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.456	-0.001	96	109331	0.4000	0.3265	
107 Dodecane	57	21.074	21.073	0.001	95	78658	0.4000	0.3140	
108 1,2,4-Trichlorobenzene	180	21.305	21.307	-0.002	95	48375	0.4000	0.2746	
109 Naphthalene	128	21.456	21.456	0.000	99	109091	0.4000	0.2609	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	93	86554	0.4000	0.3230	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	93	61526	0.4000	0.3285	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	98	26046	0.4000	0.2782	
113 1-Methylnaphthalene	142	22.387	22.388	-0.001	99	35241	0.4000	0.3386	
A 115 C8 Range	1	14.791	(14.748-14.834)		0	257854	0.4000	0.4152	
S 116 Xylenes, Total	100				0		1.20	1.11	
S 117 1,2-Dichloroethene, Total	1				0		0.8000	0.7812	

QC Flag Legend

Processing Flags

Reagents:

40L5DQP_00026

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:12:56

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC05.D

Injection Date: 09-Jun-2021 22:04:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L5

Worklist Smp#: 13

Client ID:

Purge Vol: 500.000 mL

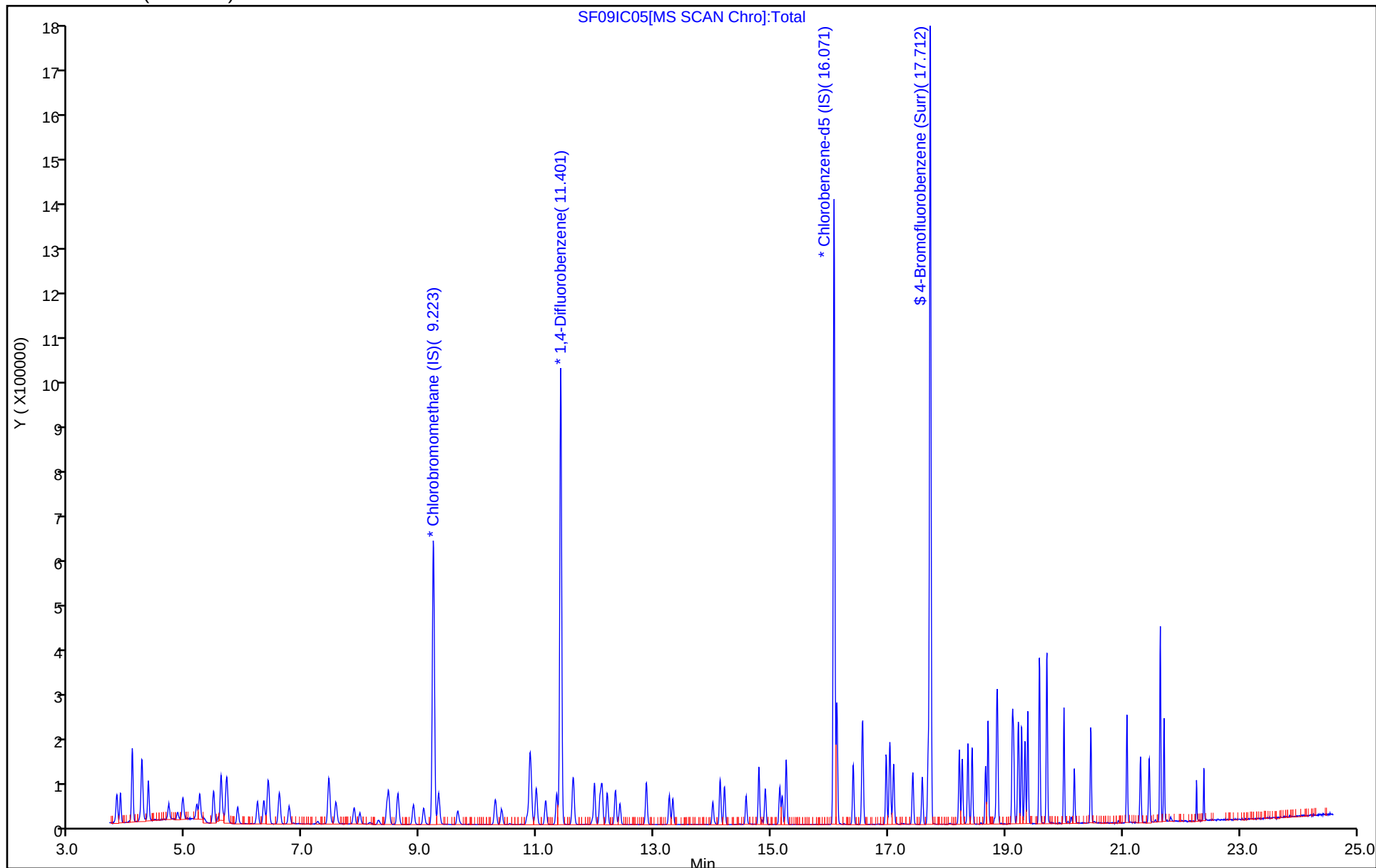
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC05.D

Injection Date: 09-Jun-2021 22:04:30

Instrument ID: MS

Lims ID: IC L5

Client ID:

Operator ID: HMT

ALS Bottle#: 14

Worklist Smp#: 13

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

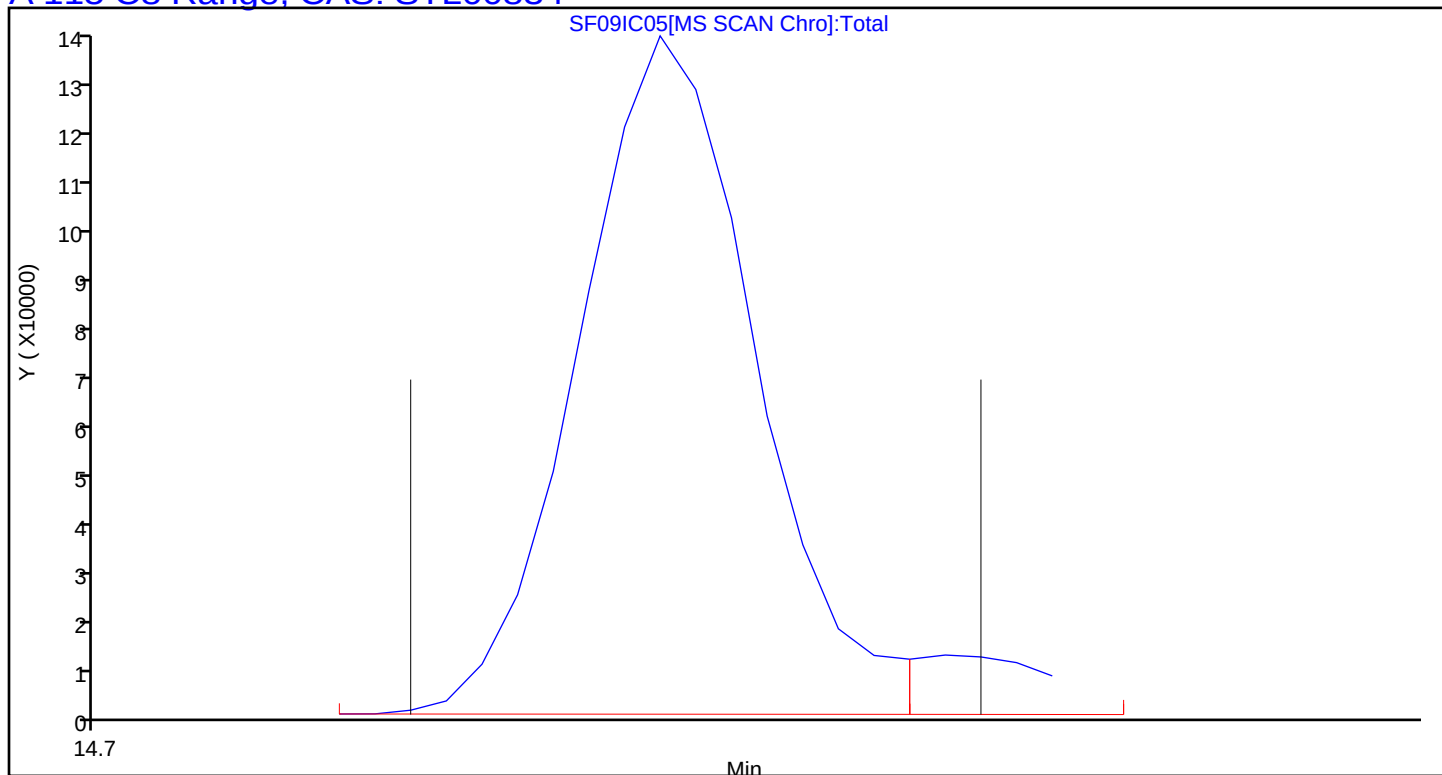
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC06.D
 Lims ID: IC L6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 09-Jun-2021 22:54:30 ALS Bottle#: 15 Worklist Smp#: 14
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-014
 Misc. Info.: 387798
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:13:01 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:21:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.223	9.225	-0.002	98	212198	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.402	11.403	-0.001	94	1057775	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	87	894154	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.713	-0.001	97	645739	4.64	4.68	
6 Chlorodifluoromethane	51	3.816	3.810	0.006	96	117793	1.00	0.9844	
7 Propene	41	3.827	3.823	0.004	97	51774	1.00	1.02	
8 Dichlorodifluoromethane	85	3.881	3.878	0.003	100	167729	1.00	1.00	
9 Chloromethane	52	4.080	4.074	0.006	58	25005	1.00	1.01	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.085	4.080	0.005	89	152228	1.00	0.9755	
11 Acetaldehyde	44	4.247	4.240	0.007	87	160056	5.00	4.58	
12 Vinyl chloride	62	4.263	4.258	0.005	98	81071	1.00	1.02	
14 Butane	43	4.360	4.354	0.006	85	102060	1.00	1.13	
13 Butadiene	54	4.354	4.352	0.002	71	62553	1.00	1.13	
15 Bromomethane	94	4.710	4.702	0.008	99	66635	1.00	1.00	
16 Chloroethane	64	4.860	4.856	0.004	94	27109	1.00	1.01	
17 Ethanol	31	4.946	4.946	0.000	88	97864	5.00	5.15	
18 Vinyl bromide	106	5.188	5.180	0.008	99	63775	1.00	0.9464	
19 2-Methylbutane	43	5.237	5.230	0.007	92	75462	1.00	1.02	
20 Trichlorofluoromethane	101	5.473	5.468	0.005	99	163456	1.00	0.9819	
21 Acrolein	56	5.479	5.476	0.003	33	21911	1.00	0.9205	
22 Acetonitrile	40	5.549	5.564	-0.015	96	24493	1.00	0.9183	
23 Acetone	58	5.597	5.597	0.000	96	110125	3.00	2.88	
24 Isopropyl alcohol	45	5.678	5.685	-0.007	93	242553	3.00	2.89	
25 Pentane	72	5.705	5.703	0.002	96	7278	1.00	1.05	
26 Ethyl ether	31	5.877	5.877	0.000	93	57061	1.00	1.01	
27 1,1-Dichloroethene	96	6.221	6.219	0.002	94	59482	1.00	0.9810	
29 2-Methyl-2-propanol	59	6.318	6.320	-0.002	94	109844	1.00	0.9666	
28 Acrylonitrile	53	6.323	6.327	-0.004	94	52418	1.00	0.9774	
30 112TCTFE	101	6.404	6.401	0.003	98	139828	1.00	0.9855	
31 Methylene Chloride	84	6.592	6.588	0.004	99	59198	1.00	0.9856	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.608	6.601	0.007	95	42695	1.00	0.9499	
33 Carbon disulfide	76	6.765	6.762	0.002	98	178986	1.00	0.9688	
34 trans-1,2-Dichloroethene	96	7.437	7.433	0.004	94	58814	1.00	0.9846	
35 2-Methylpentane	43	7.448	7.446	0.002	96	139922	1.00	0.9827	
36 Methyl tert-butyl ether	73	7.550	7.558	-0.008	97	149492	1.00	1.00	
37 1,1-Dichloroethane	63	7.873	7.870	0.003	99	127143	1.00	0.9755	
38 Vinyl acetate	43	7.970	7.970	0.000	100	133726	1.00	0.9807	
39 2-Butanone (MEK)	72	8.421	8.432	-0.011	97	27915	1.00	0.9194	
40 Hexane	56	8.459	8.458	0.001	90	52639	1.00	1.01	
41 Isopropyl ether	45	8.610	8.617	-0.007	98	212235	1.00	1.00	
42 cis-1,2-Dichloroethene	96	8.884	8.883	0.001	97	61045	1.00	0.9730	
43 Ethyl acetate	43	9.051	9.060	-0.009	99	137068	1.00	0.9734	
44 Chloroform	83	9.234	9.232	0.002	44	134201	1.00	0.9786	
45 Tert-butyl ethyl ether	59	9.304	9.314	-0.010	95	206839	1.00	1.02	
46 Tetrahydrofuran	42	9.632	9.640	-0.008	94	65770	1.00	0.9862	
47 1,1,1-Trichloroethane	97	10.288	10.285	0.003	97	121582	1.00	0.9730	
48 1,2-Dichloroethane	62	10.390	10.393	-0.003	96	86274	1.00	0.9813	
49 n-Butanol	31	10.815	10.814	0.001	88	16329	1.00	0.8556	
51 Benzene	78	10.875	10.874	0.000	97	190393	1.00	0.9488	
50 Cyclohexane	69	10.875	10.874	0.000	68	27844	1.00	1.00	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	96	106914	1.00	0.8436	
53 2,3-Dimethylpentane	71	10.987	10.985	0.002	91	38640	1.00	1.03	
54 Thiophene	84	11.143	11.143	0.000	98	110091	1.00	1.00	
55 Isooctane	57	11.617	11.613	0.004	98	346609	1.00	1.00	
56 n-Heptane	71	11.977	11.978	-0.001	90	54278	1.00	0.9622	
57 1,2-Dichloropropane	63	12.074	12.073	0.001	96	88754	1.00	0.9827	
58 Trichloroethene	130	12.106	12.106	0.000	97	83320	1.00	0.9353	
59 Dibromomethane	93	12.192	12.194	-0.002	95	81338	1.00	0.9422	
60 Dichlorobromomethane	83	12.332	12.334	-0.002	99	128811	1.00	0.9793	
61 1,4-Dioxane	88	12.338	12.342	-0.004	38	26189	1.00	0.9526	
62 Methyl methacrylate	41	12.408	12.411	-0.003	95	76158	1.00	1.00	
63 Methylcyclohexane	83	12.865	12.865	0.000	94	108344	1.00	0.8982	
64 4-Methyl-2-pentanone (MIBK)	43	13.252	13.254	-0.002	96	144335	1.00	0.9872	
65 cis-1,3-Dichloropropene	75	13.322	13.319	0.003	93	102924	1.00	0.9881	
66 trans-1,3-Dichloropropene	75	14.000	14.001	-0.001	98	84600	1.00	0.9896	
67 Toluene	91	14.124	14.126	-0.002	93	222654	1.00	0.9700	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	95	76041	1.00	0.99	
69 2-Hexanone	58	14.565	14.569	-0.004	94	72870	1.00	0.9579	
70 n-Octane	85	14.791	14.786	0.005	94	57846	1.00	1.02	
71 Chlorodibromomethane	129	14.898	14.897	0.001	98	127065	1.00	0.9201	
72 Ethylene Dibromide	107	15.184	15.187	-0.003	97	126946	1.00	0.9698	
73 Tetrachloroethene	129	15.253	15.253	0.000	97	86091	1.00	0.9316	
75 Chlorobenzene	112	16.120	16.119	0.001	86	187825	1.00	0.9563	
74 2,3-Dimethylheptane	43	16.120	16.120	0.000	94	228273	1.00	1.05	
76 Ethylbenzene	91	16.399	16.400	-0.001	98	277967	1.00	0.9766	
77 m-Xylene & p-Xylene	91	16.555	16.559	-0.004	97	445686	2.00	1.95	
78 n-Nonane	57	16.964	16.962	0.002	92	157879	1.00	1.02	
79 Bromoform	173	17.018	17.020	-0.002	97	140985	1.00	0.9539	
80 Styrene	104	17.029	17.028	0.001	98	164378	1.00	0.9706	
81 o-Xylene	91	17.088	17.088	0.000	99	232980	1.00	1.00	
82 1,1,2,2-Tetrachloroethane	83	17.416	17.417	-0.001	99	179690	1.00	0.9850	
83 1,2,3-Trichloropropane	110	17.577	17.580	-0.003	97	38767	1.00	0.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.680	17.679	0.001	96	313926	1.00	0.9679	
85 N-Propylbenzene	120	18.212	18.212	0.000	99	84715	1.00	0.9736	
86 2-Chlorotoluene	126	18.261	18.261	0.000	97	83521	1.00	0.9664	
87 4-Ethyltoluene	105	18.357	18.359	-0.002	99	325886	1.00	0.9757	
88 1,3,5-Trimethylbenzene	120	18.433	18.430	0.003	92	125329	1.00	0.9560	
89 Alpha Methyl Styrene	118	18.659	18.659	0.000	88	121344	1.00	0.9020	
90 n-Decane	57	18.702	18.702	0.000	87	220553	1.00	1.04	
91 tert-Butylbenzene	119	18.852	18.853	-0.001	92	287973	1.00	0.9612	
92 1,2,4-Trimethylbenzene	105	18.863	18.865	-0.002	96	291783	1.00	0.9809	
93 sec-Butylbenzene	105	19.116	19.117	-0.001	99	413677	1.00	0.9549	
94 1,3-Dichlorobenzene	146	19.138	19.138	0.000	98	201820	1.00	0.8901	
95 Benzyl chloride	91	19.213	19.212	0.001	97	193602	1.00	0.9281	
96 1,4-Dichlorobenzene	146	19.224	19.224	0.000	95	197720	1.00	0.8841	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	97	332001	1.00	0.9657	
98 1,2,3-Trimethylbenzene	105	19.331	19.333	-0.002	98	291915	1.00	0.9809	
99 Butylcyclohexane	83	19.380	19.381	-0.001	94	239357	1.00	1.02	
100 2,3-Dihydroindene	117	19.579	19.579	0.000	93	277475	1.00	0.9673	
101 1,2-Dichlorobenzene	146	19.579	19.582	-0.003	96	204454	1.00	0.8984	
102 n-Butylbenzene	91	19.702	19.704	-0.002	96	348950	1.00	0.9716	
103 Indene	116	19.708	19.709	-0.001	90	228821	1.00	0.9824	
104 Undecane	57	19.998	19.999	-0.001	94	248510	1.00	1.03	
105 1,2-Dibromo-3-Chloropropane	157	20.176	20.176	0.000	97	88812	1.00	0.9227	
106 1,2,4,5-Tetramethylbenzene	119	20.456	20.456	0.000	97	322072	1.00	0.9524	
107 Dodecane	57	21.074	21.073	0.001	95	269349	1.00	1.06	
108 1,2,4-Trichlorobenzene	180	21.306	21.307	-0.001	94	150127	1.00	0.8439	
109 Naphthalene	128	21.456	21.456	0.000	99	330620	1.00	0.7830	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	92	256135	1.00	0.9466	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	93	179269	1.00	0.9478	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	99	92056	1.00	0.9737	
113 1-Methylnaphthalene	142	22.387	22.388	-0.001	98	109485	1.00	1.04	
A 115 C8 Range	1	14.791	(14.742-14.828)		0	617430	1.00	0.9772	
S 116 Xylenes, Total	100				0		3.00	2.94	
S 117 1,2-Dichloroethene, Total	1				0		2.00	1.96	

QC Flag Legend

Processing Flags

Reagents:

40L6DQP_00025

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:13:02

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC06.D

Injection Date: 09-Jun-2021 22:54:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L6

Worklist Smp#: 14

Client ID:

Purge Vol: 500.000 mL

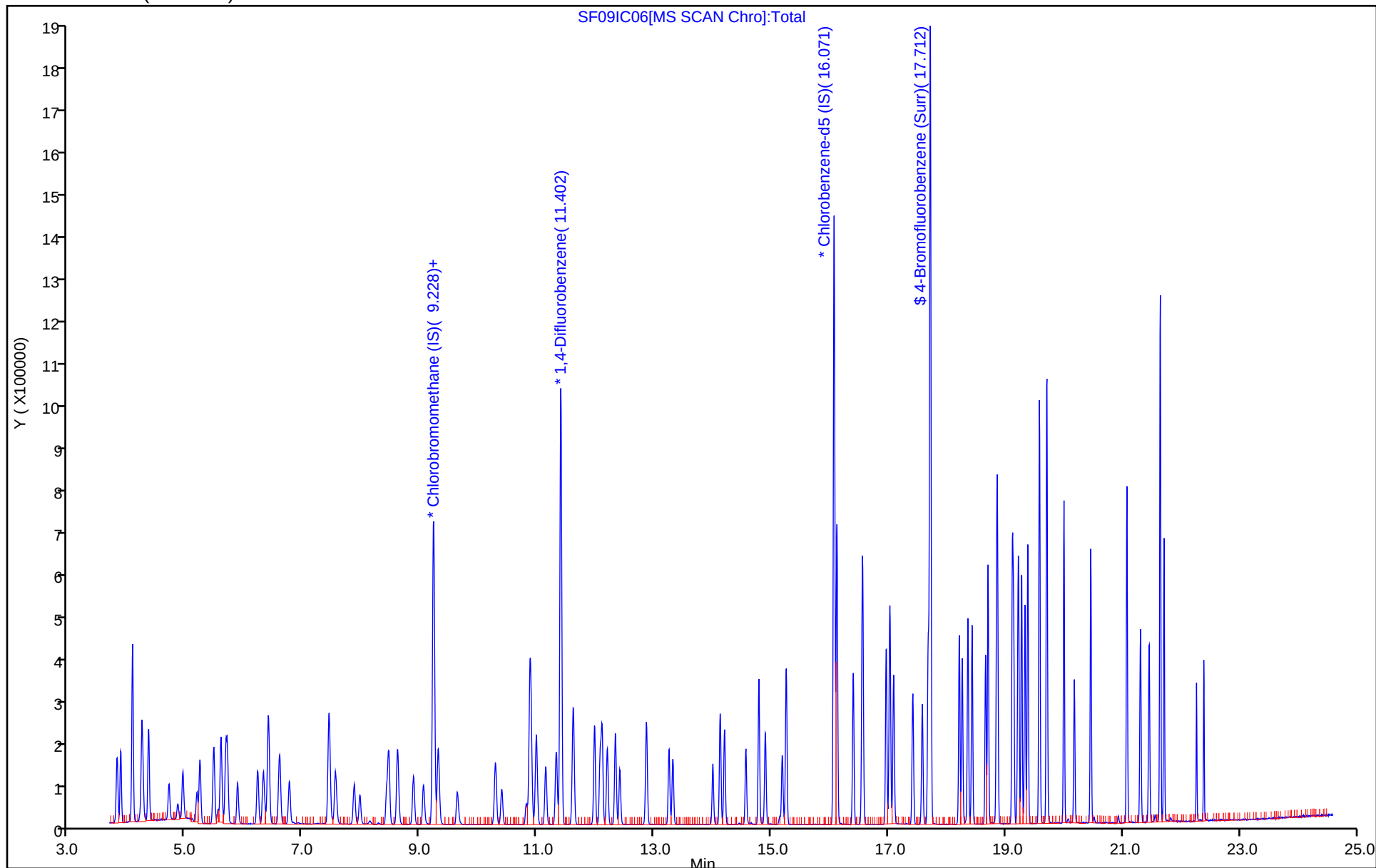
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 10-Jun-2021 10:13:02

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC06.D

Injection Date: 09-Jun-2021 22:54:30

Instrument ID: MS

Lims ID: IC L6

Client ID:

Operator ID: HMT

ALS Bottle#:

15

Worklist Smp#:

14

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MS_TO15A

Limit Group:

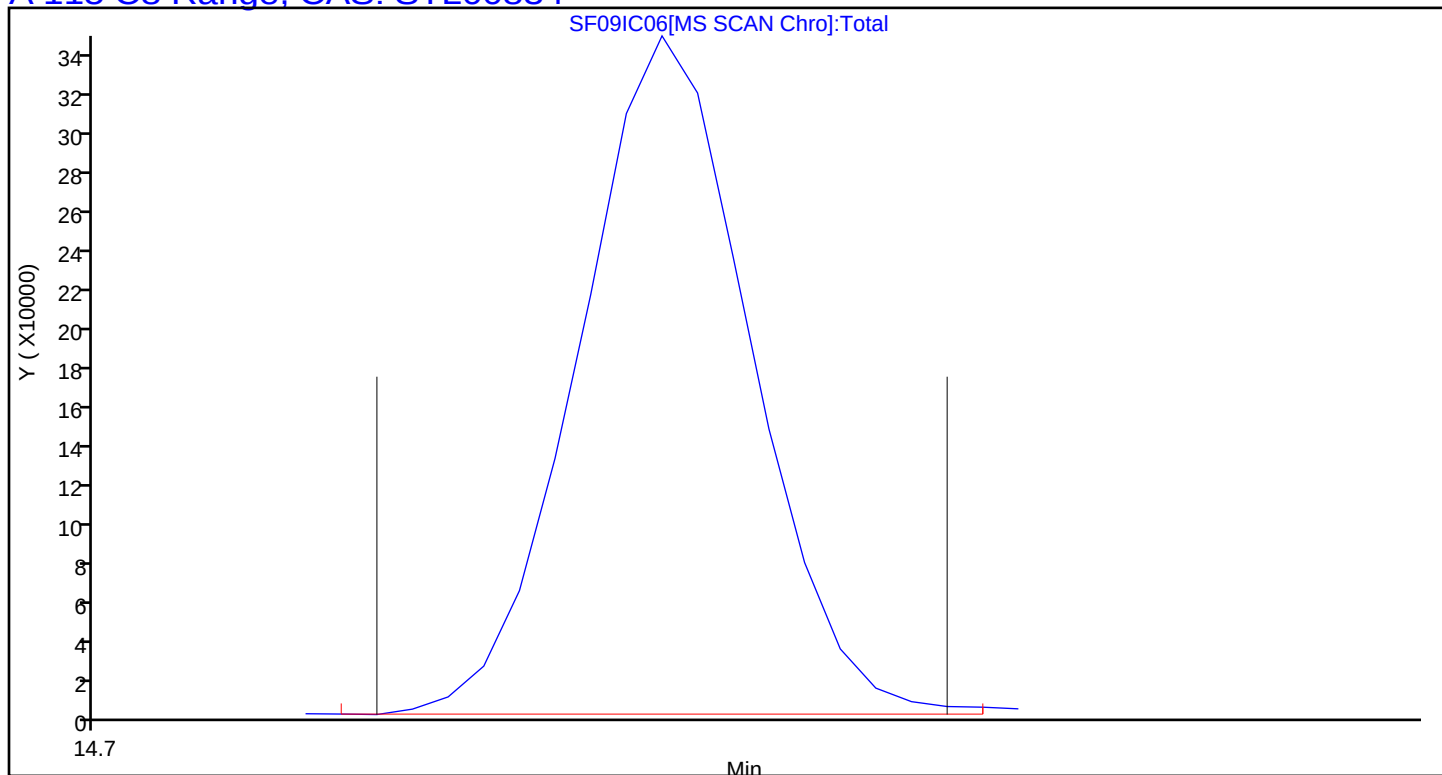
MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector

MS SCAN

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Lims ID: ICIS L7
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 09-Jun-2021 23:44:30 ALS Bottle#: 16 Worklist Smp#: 15
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019525-015
 Misc. Info.: 387537
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:13:08 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: tajh

Date: 10-Jun-2021 07:15:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.228	9.225	0.003	98	216764	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.403	-0.002	94	1091989	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	86	934893	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.713	-0.001	96	687804	4.64	4.77	
6 Chlorodifluoromethane	51	3.811	3.810	0.001	96	246215	2.00	2.01	
7 Propene	41	3.822	3.823	-0.001	98	104777	2.00	2.01	
8 Dichlorodifluoromethane	85	3.881	3.878	0.003	100	348698	2.00	2.03	
9 Chloromethane	52	4.074	4.074	0.000	99	52090	2.00	2.05	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.080	0.000	95	324512	2.00	2.04	
11 Acetaldehyde	44	4.241	4.240	0.001	87	305142	10.0	8.55	
12 Vinyl chloride	62	4.263	4.258	0.005	98	170156	2.00	2.10	
13 Butadiene	54	4.354	4.352	0.002	70	126837	2.00	2.24	
14 Butane	43	4.360	4.354	0.006	85	212849	2.00	2.30	
15 Bromomethane	94	4.704	4.702	0.002	99	144428	2.00	2.13	
16 Chloroethane	64	4.860	4.856	0.004	95	61015	2.00	2.23	
17 Ethanol	31	4.941	4.946	-0.005	88	225592	10.0	11.6	
18 Vinyl bromide	106	5.183	5.180	0.003	99	146563	2.00	2.13	
19 2-Methylbutane	43	5.236	5.230	0.006	89	143066	2.00	1.88	
20 Trichlorofluoromethane	101	5.468	5.468	0.000	99	346437	2.00	2.04	
21 Acrolein	56	5.479	5.476	0.003	85	48694	2.00	2.00	
22 Acetonitrile	40	5.543	5.564	-0.021	99	55209	2.00	2.03	
23 Acetone	58	5.591	5.597	-0.006	96	216876	6.00	6.32	
24 Isopropyl alcohol	45	5.672	5.685	-0.013	92	544844	6.00	6.36	
25 Pentane	72	5.704	5.703	0.001	94	14746	2.00	2.08	
26 Ethyl ether	31	5.871	5.877	-0.006	93	119552	2.00	2.06	
27 1,1-Dichloroethene	96	6.221	6.219	0.002	94	125328	2.00	2.02	
29 2-Methyl-2-propanol	59	6.307	6.320	-0.013	93	242896	2.00	2.09	
28 Acrylonitrile	53	6.328	6.327	0.001	95	108307	2.00	1.98	
30 112TCTFE	101	6.404	6.401	0.003	98	293810	2.00	2.03	
31 Methylene Chloride	84	6.592	6.588	0.004	99	120818	2.00	1.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.603	6.601	0.002	94	94246	2.00	2.05	
33 Carbon disulfide	76	6.764	6.762	0.002	98	375786	2.00	1.99	
34 trans-1,2-Dichloroethene	96	7.431	7.433	-0.002	94	124015	2.00	2.03	
35 2-Methylpentane	43	7.447	7.446	0.001	96	298371	2.00	2.05	
36 Methyl tert-butyl ether	73	7.544	7.558	-0.014	97	317918	2.00	2.08	
37 1,1-Dichloroethane	63	7.872	7.870	0.002	99	263235	2.00	1.98	
38 Vinyl acetate	43	7.964	7.970	-0.006	100	293532	2.00	2.11	
39 2-Butanone (MEK)	72	8.427	8.432	-0.005	97	58687	2.00	1.89	
40 Hexane	56	8.464	8.458	0.006	89	107471	2.00	2.02	
41 Isopropyl ether	45	8.609	8.617	-0.008	98	449448	2.00	2.07	
42 cis-1,2-Dichloroethene	96	8.884	8.883	0.001	98	129946	2.00	2.03	
43 Ethyl acetate	43	9.051	9.060	-0.009	99	292128	2.00	2.03	
44 Chloroform	83	9.233	9.232	0.001	95	279073	2.00	1.99	
45 Tert-butyl ethyl ether	59	9.303	9.314	-0.011	94	441319	2.00	2.12	
46 Tetrahydrofuran	42	9.626	9.640	-0.014	95	142183	2.00	2.09	
47 1,1,1-Trichloroethane	97	10.282	10.285	-0.003	97	257084	2.00	2.01	
48 1,2-Dichloroethane	62	10.395	10.393	0.002	96	180881	2.00	1.99	
49 n-Butanol	31	10.804	10.814	-0.010	86	40712	2.00	2.07	
51 Benzene	78	10.874	10.874	0.000	97	401261	2.00	1.94	
50 Cyclohexane	69	10.874	10.874	0.000	67	58552	2.00	2.04	
52 Carbon tetrachloride	117	10.896	10.897	-0.001	97	275363	2.00	2.10	
53 2,3-Dimethylpentane	71	10.982	10.985	-0.003	92	81749	2.00	2.10	
54 Thiophene	84	11.149	11.143	0.006	97	231173	2.00	2.03	
55 Isooctane	57	11.611	11.613	-0.002	98	735455	2.00	2.05	
56 n-Heptane	71	11.977	11.978	-0.001	91	125659	2.00	2.16	
57 1,2-Dichloropropane	63	12.074	12.073	0.001	97	185423	2.00	1.99	
58 Trichloroethene	130	12.106	12.106	0.000	97	174035	2.00	1.89	
59 Dibromomethane	93	12.198	12.194	0.004	95	169861	2.00	1.91	
60 Dichlorobromomethane	83	12.337	12.334	0.003	99	275272	2.00	2.03	
61 1,4-Dioxane	88	12.332	12.342	-0.010	40	62173	2.00	2.19	
62 Methyl methacrylate	41	12.413	12.411	0.002	95	166371	2.00	2.11	
63 Methylcyclohexane	83	12.865	12.865	0.000	95	235915	2.00	1.89	
64 4-Methyl-2-pentanone (MIBK)	43	13.247	13.254	-0.007	96	312326	2.00	2.07	
65 cis-1,3-Dichloropropene	75	13.317	13.319	-0.002	92	220235	2.00	2.05	
66 trans-1,3-Dichloropropene	75	14.000	14.001	-0.001	97	188531	2.00	2.11	
67 Toluene	91	14.123	14.126	-0.003	92	482110	2.00	2.01	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	95	159671	2.00	1.99	
69 2-Hexanone	58	14.559	14.569	-0.010	94	168180	2.00	2.11	
70 n-Octane	85	14.785	14.786	-0.001	93	126250	2.00	2.13	
71 Chlorodibromomethane	129	14.898	14.897	0.001	98	299128	2.00	2.07	
72 Ethylene Dibromide	107	15.189	15.187	0.002	98	273499	2.00	2.00	
73 Tetrachloroethene	129	15.253	15.253	0.000	98	185793	2.00	1.92	
75 Chlorobenzene	112	16.119	16.119	0.000	87	399481	2.00	1.95	
74 2,3-Dimethylheptane	43	16.119	16.120	-0.001	95	483555	2.00	2.13	
76 Ethylbenzene	91	16.399	16.400	-0.001	98	603211	2.00	2.03	
77 m-Xylene & p-Xylene	91	16.555	16.559	-0.004	97	971700	4.00	4.06	
78 n-Nonane	57	16.964	16.962	0.002	92	343724	2.00	2.13	
79 Bromoform	173	17.023	17.020	0.003	98	342957	2.00	2.22	
80 Styrene	104	17.028	17.028	0.000	98	371654	2.00	2.10	
81 o-Xylene	91	17.088	17.088	0.000	100	502776	2.00	2.05	
82 1,1,1,2,2-Tetrachloroethane	83	17.416	17.417	-0.001	99	389642	2.00	2.04	
83 1,2,3-Trichloropropane	110	17.577	17.580	-0.003	98	84024	2.00	2.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.679	17.679	0.000	95	693098	2.00	2.04	
85 N-Propylbenzene	120	18.212	18.212	0.000	99	188697	2.00	2.07	
86 2-Chlorotoluene	126	18.260	18.261	-0.001	97	180877	2.00	2.00	
87 4-Ethyltoluene	105	18.357	18.359	-0.002	99	722143	2.00	2.07	
88 1,3,5-Trimethylbenzene	120	18.427	18.430	-0.003	93	284184	2.00	2.07	
89 Alpha Methyl Styrene	118	18.658	18.659	-0.001	89	292054	2.00	2.08	
90 n-Decane	57	18.702	18.702	0.000	87	469544	2.00	2.12	
91 tert-Butylbenzene	119	18.852	18.853	-0.001	94	634346	2.00	2.03	
92 1,2,4-Trimethylbenzene	105	18.863	18.865	-0.002	96	640766	2.00	2.06	
93 sec-Butylbenzene	105	19.116	19.117	-0.001	99	915453	2.00	2.02	
94 1,3-Dichlorobenzene	146	19.137	19.138	-0.001	97	454199	2.00	1.92	
95 Benzyl chloride	91	19.213	19.212	0.001	98	448531	2.00	2.06	
96 1,4-Dichlorobenzene	146	19.223	19.224	-0.001	96	448040	2.00	1.92	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	97	734694	2.00	2.04	
98 1,2,3-Trimethylbenzene	105	19.331	19.333	-0.002	99	641557	2.00	2.06	
99 Butylcyclohexane	83	19.379	19.381	-0.002	94	510617	2.00	2.08	
100 2,3-Dihydroindene	117	19.578	19.579	-0.001	94	620812	2.00	2.07	
101 1,2-Dichlorobenzene	146	19.584	19.582	0.002	99	460974	2.00	1.94	
102 n-Butylbenzene	91	19.702	19.704	-0.002	96	775534	2.00	2.07	
103 Indene	116	19.708	19.709	-0.001	87	526667	2.00	2.16	
104 Undecane	57	19.998	19.999	-0.001	93	542785	2.00	2.16	
105 1,2-Dibromo-3-Chloropropane	157	20.176	20.176	0.000	96	206567	2.00	2.05	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.456	-0.001	97	706367	2.00	2.00	
107 Dodecane	57	21.074	21.073	0.001	95	526404	2.00	1.99	
108 1,2,4-Trichlorobenzene	180	21.305	21.307	-0.002	93	336706	2.00	1.81	
109 Naphthalene	128	21.456	21.456	0.000	99	704835	2.00	1.60	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	91	538903	2.00	1.90	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	93	364787	2.00	1.84	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	99	192754	2.00	1.95	
113 1-Methylnaphthalene	142	22.387	22.388	-0.001	99	210255	2.00	1.91	
A 115 C8 Range	1	14.790	(14.737-14.834)		0	1307627	2.00	2.00	
S 116 Xylenes, Total	100				0		6.00	6.12	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.06	

QC Flag Legend

Processing Flags

Reagents:

40L7DQP_00025

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:13:09

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D

Injection Date: 09-Jun-2021 23:44:30

Instrument ID: MS

Operator ID: HMT

Lims ID: ICIS L7

Worklist Smp#: 15

Client ID:

Purge Vol: 500.000 mL

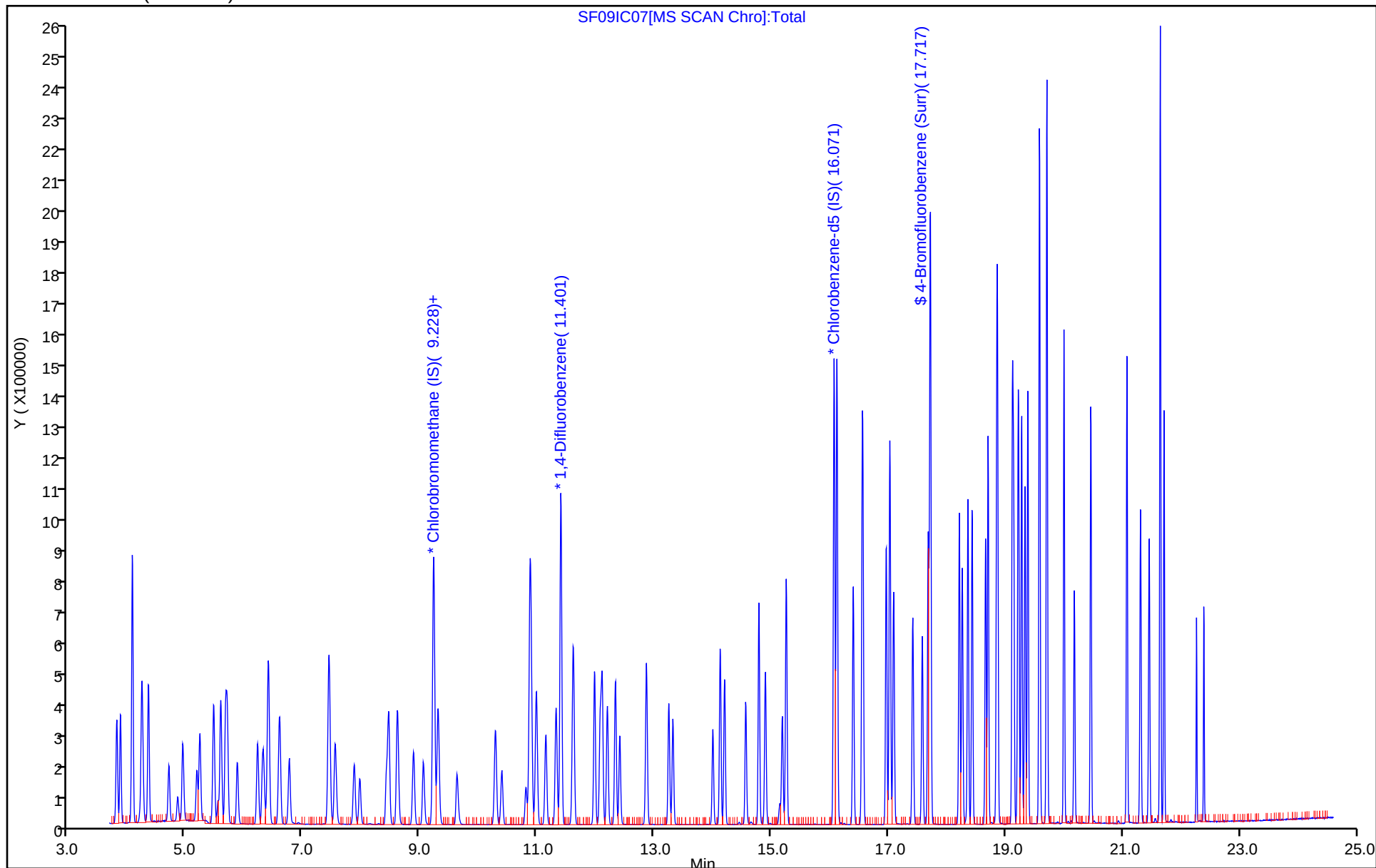
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Report Date: 10-Jun-2021 10:13:09

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D

Injection Date: 09-Jun-2021 23:44:30

Instrument ID: MS

Lims ID: ICIS L7

Client ID:

Operator ID: HMT

ALS Bottle#:

16

Worklist Smp#:

15

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MS_TO15A

Limit Group:

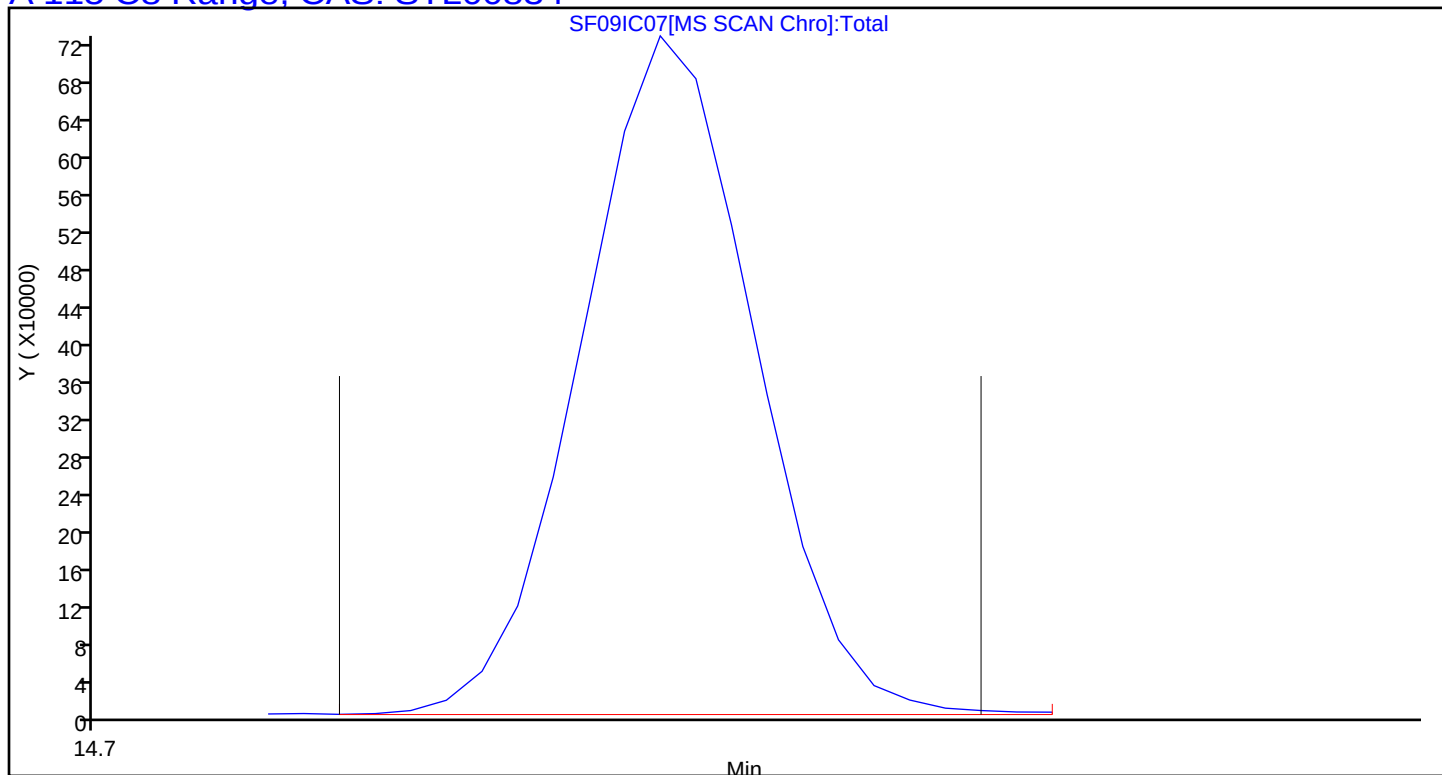
MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector

MS SCAN

A 115 C8 Range, CAS: STL00834



Calibration

/ Chlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

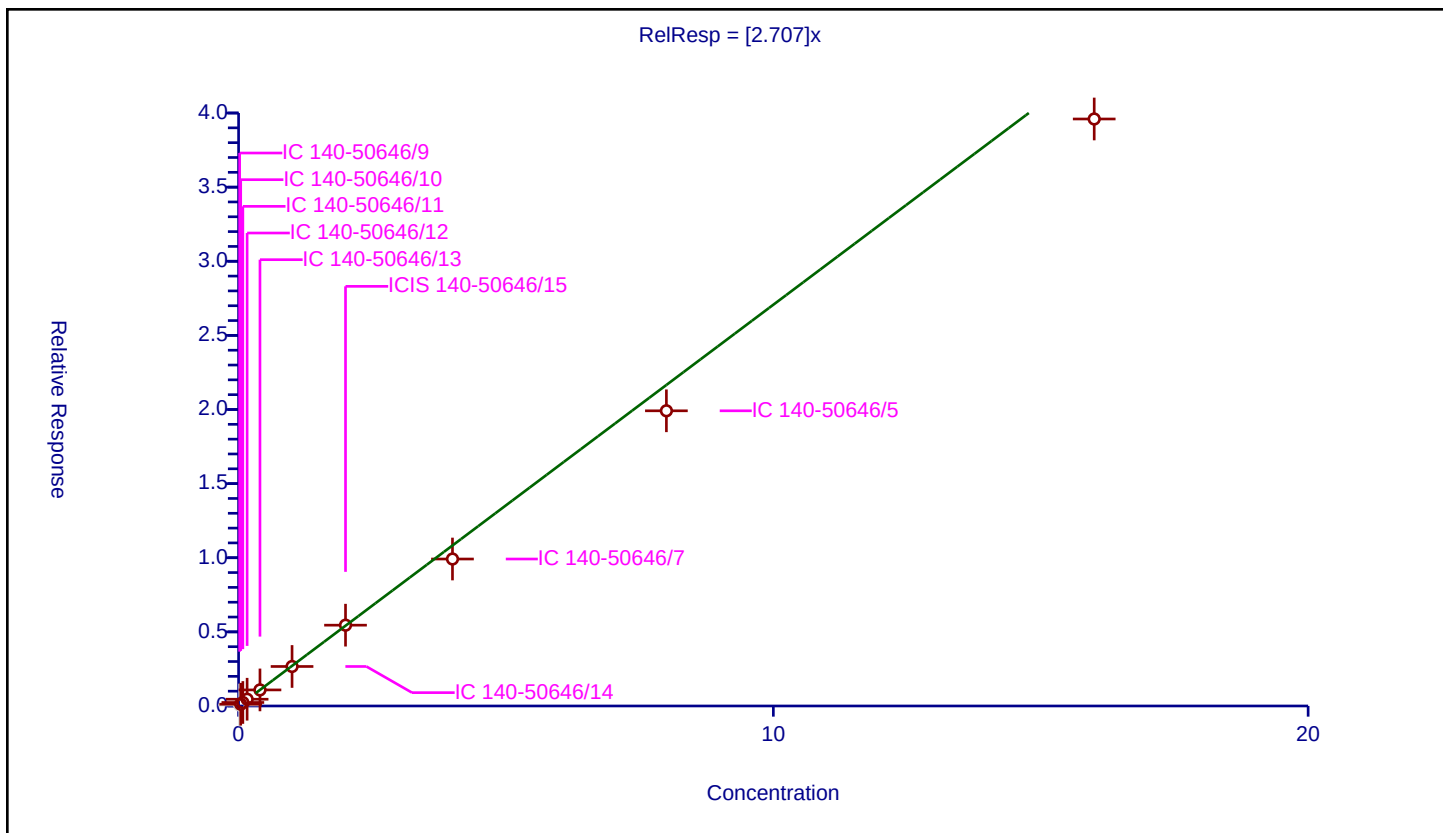
Curve Coefficients

Intercept: 0
 Slope: 2.707

Error Coefficients

Standard Error: 765000
 Relative Standard Error: 7.5
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.067646	4.8	233807.0	3.382277	N
2	IC 140-50646/10	0.04	0.120308	4.8	216166.0	3.007689	Y
3	IC 140-50646/11	0.08	0.236561	4.8	206580.0	2.957014	Y
4	IC 140-50646/12	0.16	0.456375	4.8	198237.0	2.852343	Y
5	IC 140-50646/13	0.4	1.084574	4.8	204286.0	2.711434	Y
6	IC 140-50646/14	1.0	2.664523	4.8	212198.0	2.664523	Y
7	ICIS 140-50646/15	2.0	5.45216	4.8	216764.0	2.72608	Y
8	IC 140-50646/7	4.0	9.91452	4.8	248836.0	2.47863	Y
9	IC 140-50646/5	8.0	19.912708	4.8	242745.0	2.489089	Y
10	IC 140-50646/3	16.0	39.596925	4.8	220902.0	2.474808	Y



Calibration

/ Propene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

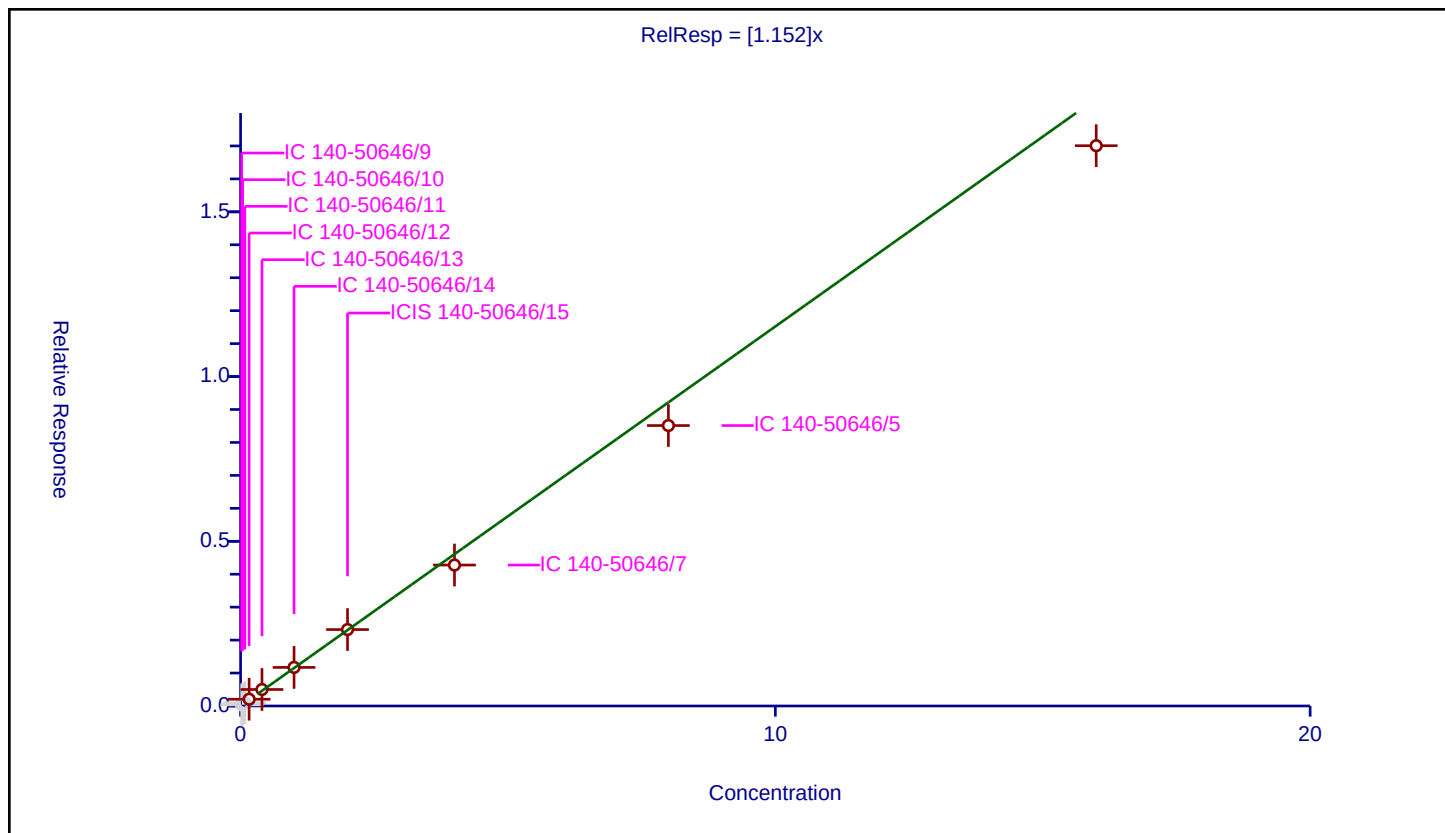
Curve Coefficients

Intercept: 0
Slope: 1.152

Error Coefficients

Standard Error: 379000
Relative Standard Error: 8.0
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.034162	4.8	233807.0	1.708075	N
2	IC 140-50646/10	0.04	0.060664	4.8	216166.0	1.516612	N
3	IC 140-50646/11	0.08	0.097566	4.8	206580.0	1.219576	N
4	IC 140-50646/12	0.16	0.205548	4.8	198237.0	1.284674	Y
5	IC 140-50646/13	0.4	0.500733	4.8	204286.0	1.251833	Y
6	IC 140-50646/14	1.0	1.171148	4.8	212198.0	1.171148	Y
7	ICIS 140-50646/15	2.0	2.320171	4.8	216764.0	1.160086	Y
8	IC 140-50646/7	4.0	4.278288	4.8	248836.0	1.069572	Y
9	IC 140-50646/5	8.0	8.513131	4.8	242745.0	1.064141	Y
10	IC 140-50646/3	16.0	17.007448	4.8	220902.0	1.062965	Y



Calibration

/ Dichlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

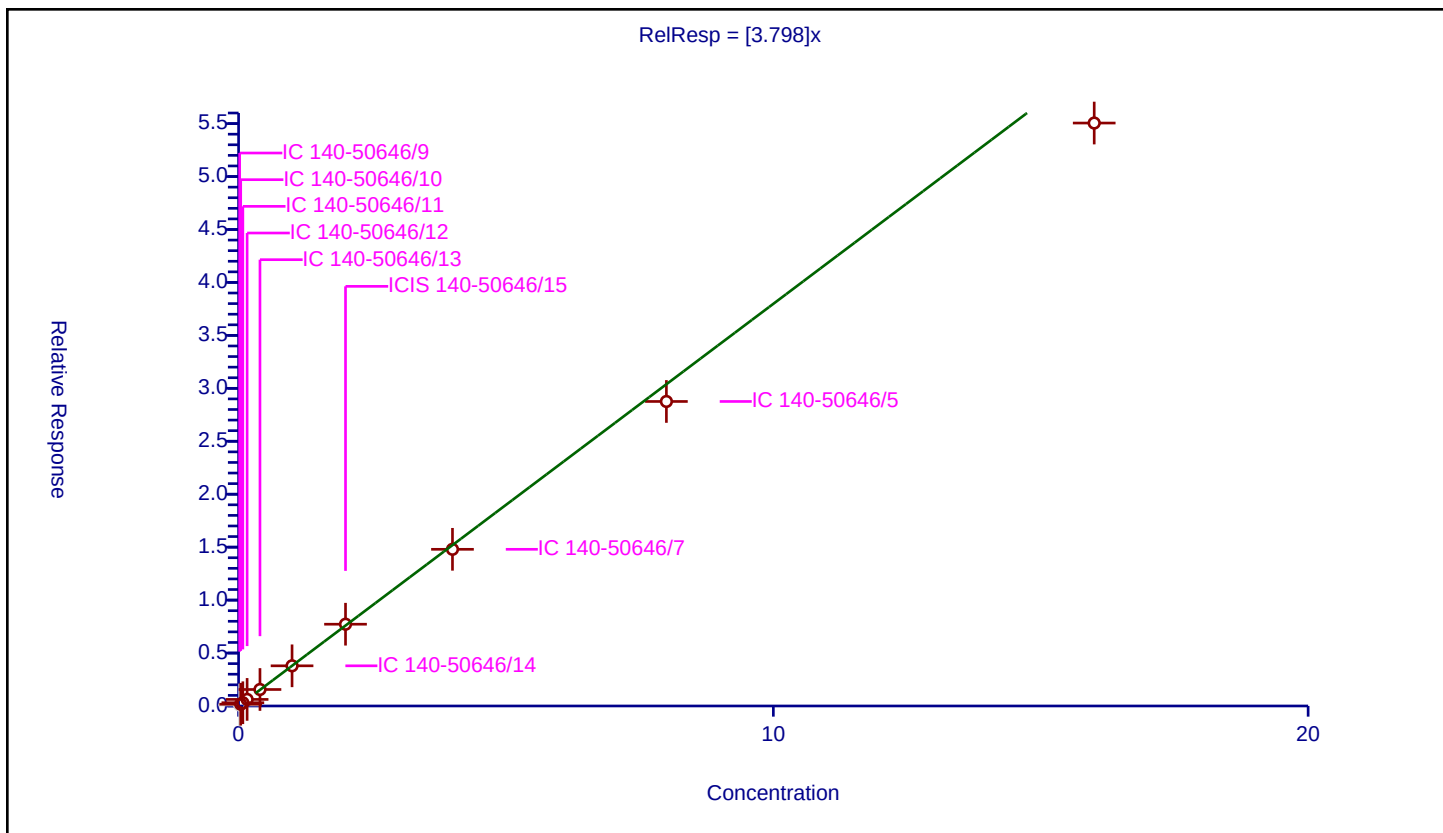
Curve Coefficients

Intercept: 0
 Slope: 3.798

Error Coefficients

Standard Error: 1080000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.097373	4.8	233807.0	4.868631	N
2	IC 140-50646/10	0.04	0.166694	4.8	216166.0	4.167353	Y
3	IC 140-50646/11	0.08	0.308568	4.8	206580.0	3.857101	Y
4	IC 140-50646/12	0.16	0.620009	4.8	198237.0	3.875059	Y
5	IC 140-50646/13	0.4	1.557699	4.8	204286.0	3.894246	Y
6	IC 140-50646/14	1.0	3.794094	4.8	212198.0	3.794094	Y
7	ICIS 140-50646/15	2.0	7.721533	4.8	216764.0	3.860767	Y
8	IC 140-50646/7	4.0	14.795615	4.8	248836.0	3.698904	Y
9	IC 140-50646/5	8.0	28.757981	4.8	242745.0	3.594748	Y
10	IC 140-50646/3	16.0	55.052938	4.8	220902.0	3.440809	Y



Calibration

/ 1,2-Dichloro-1,1,2,2-tetrafluoroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

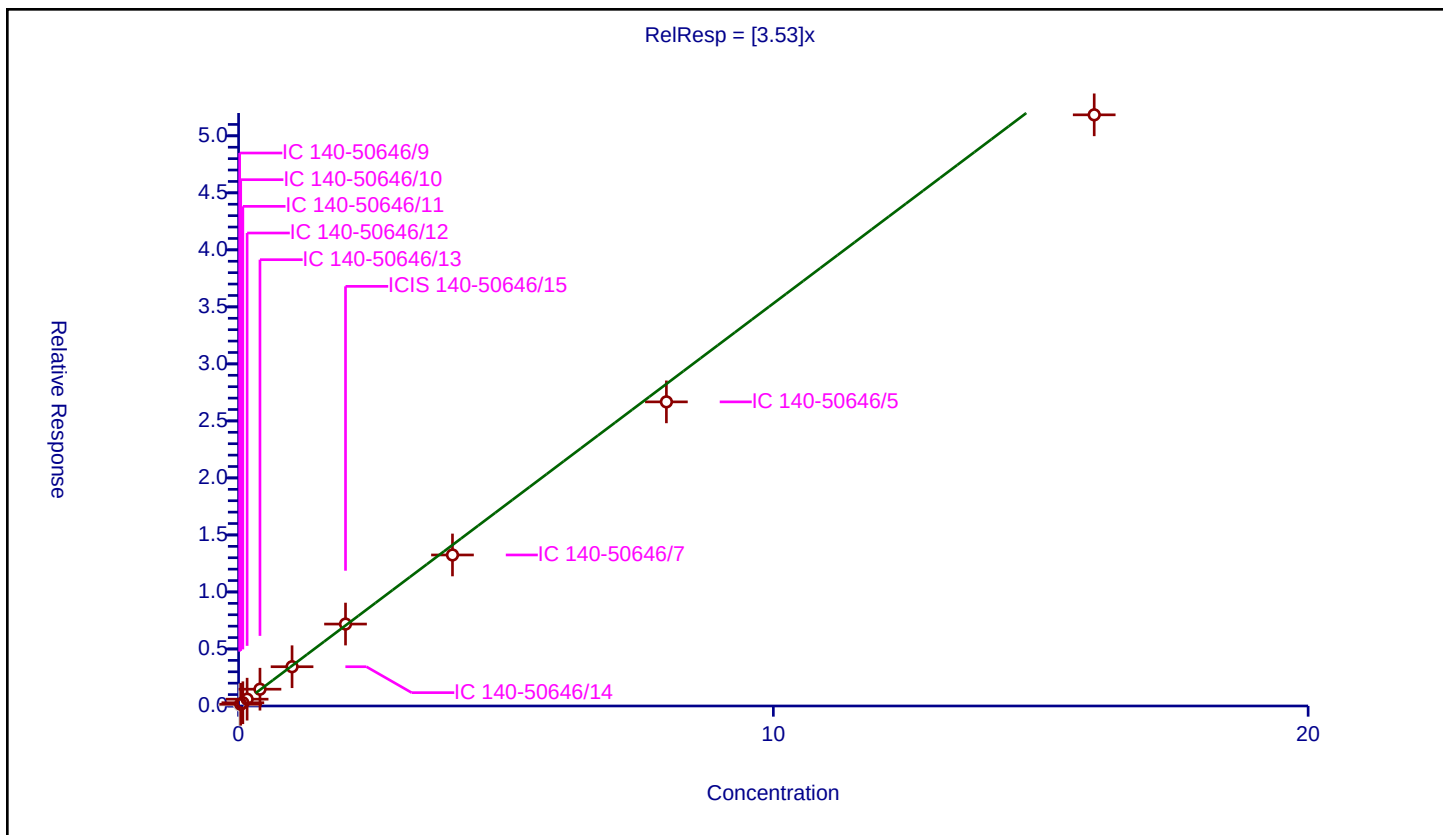
Curve Coefficients

Intercept: 0
 Slope: 3.53

Error Coefficients

Standard Error: 1010000
 Relative Standard Error: 5.9
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.091583	4.8	233807.0	4.579161	N
2	IC 140-50646/10	0.04	0.153815	4.8	216166.0	3.845378	Y
3	IC 140-50646/11	0.08	0.287029	4.8	206580.0	3.587859	Y
4	IC 140-50646/12	0.16	0.59812	4.8	198237.0	3.738253	Y
5	IC 140-50646/13	0.4	1.471161	4.8	204286.0	3.677903	Y
6	IC 140-50646/14	1.0	3.443456	4.8	212198.0	3.443456	Y
7	ICIS 140-50646/15	2.0	7.185961	4.8	216764.0	3.59298	Y
8	IC 140-50646/7	4.0	13.244444	4.8	248836.0	3.311111	Y
9	IC 140-50646/5	8.0	26.669567	4.8	242745.0	3.333696	Y
10	IC 140-50646/3	16.0	51.840204	4.8	220902.0	3.240013	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

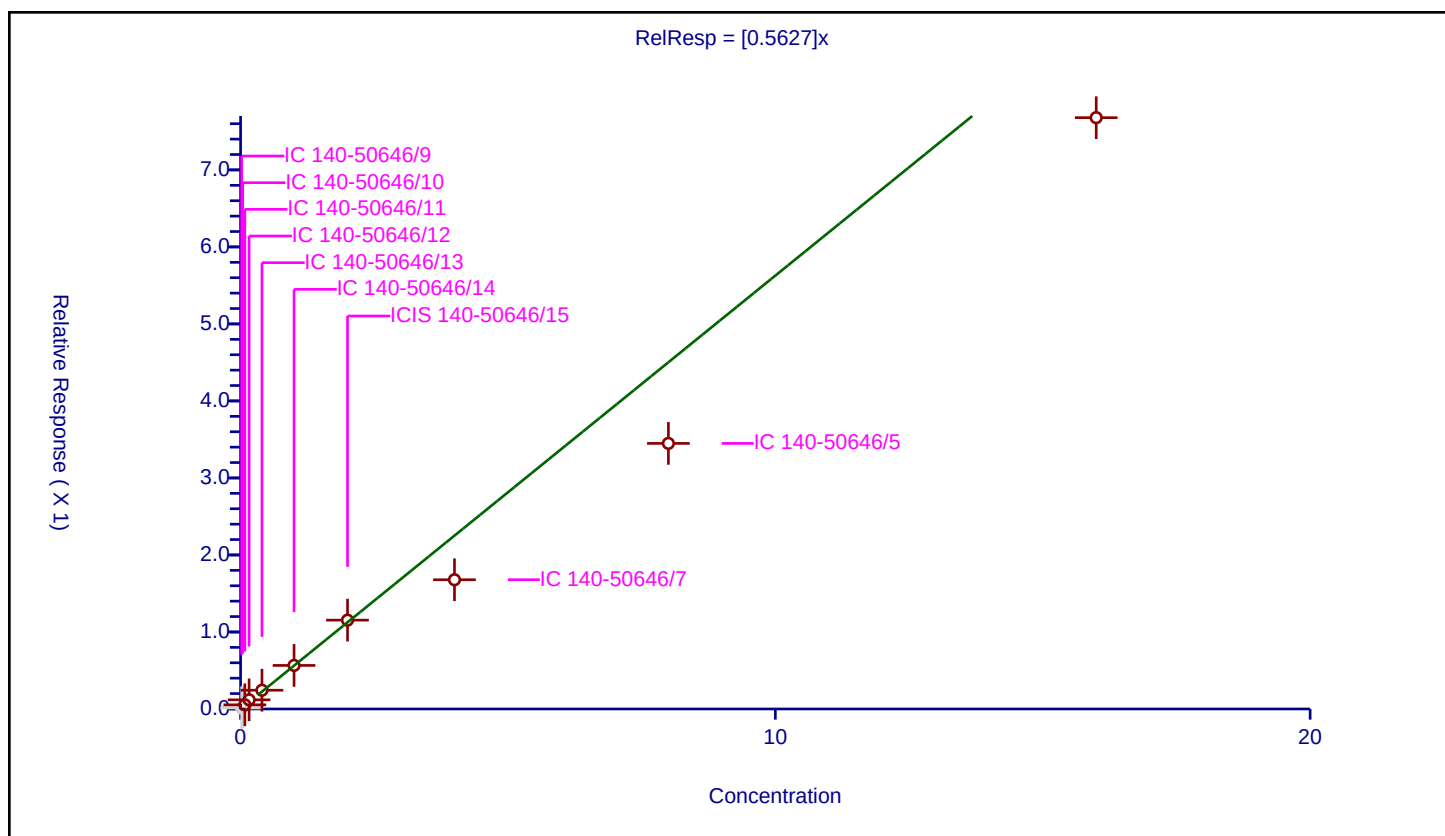
Curve Coefficients

Intercept: 0
Slope: 0.5627

Error Coefficients

Standard Error: 154000
Relative Standard Error: 20.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.935

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.013447	4.8	233807.0	0.672349	N
2	IC 140-50646/10	0.04	0.027601	4.8	216166.0	0.690025	N
3	IC 140-50646/11	0.08	0.054092	4.8	206580.0	0.676155	Y
4	IC 140-50646/12	0.16	0.119009	4.8	198237.0	0.743807	Y
5	IC 140-50646/13	0.4	0.243635	4.8	204286.0	0.609087	Y
6	IC 140-50646/14	1.0	0.565623	4.8	212198.0	0.565623	Y
7	ICIS 140-50646/15	2.0	1.153476	4.8	216764.0	0.576738	Y
8	IC 140-50646/7	4.0	1.678137	4.8	248836.0	0.419534	Y
9	IC 140-50646/5	8.0	3.448834	4.8	242745.0	0.431104	Y
10	IC 140-50646/3	16.0	7.67854	4.8	220902.0	0.479909	Y



Calibration

/ Vinyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

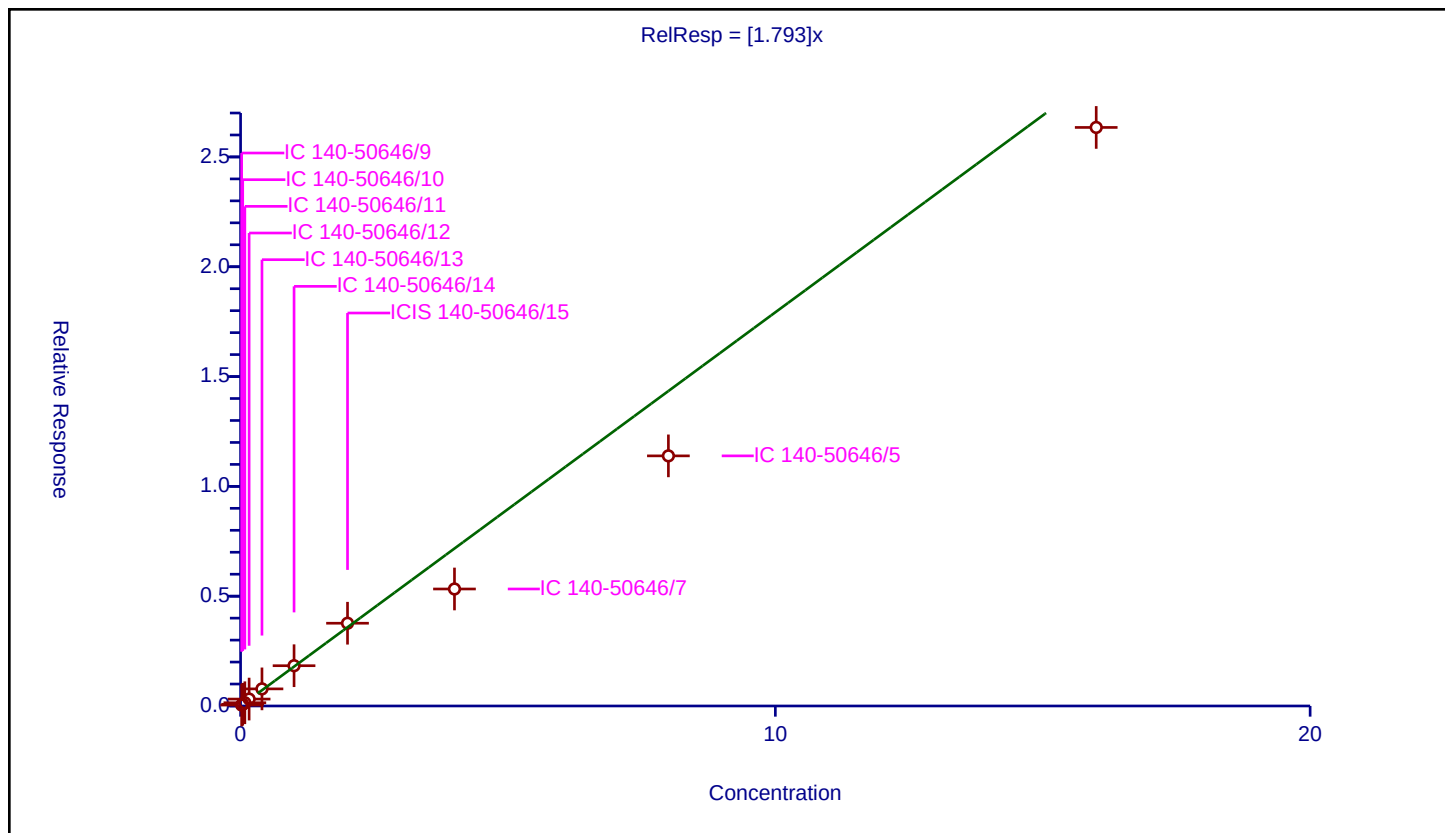
Curve Coefficients

Intercept: 0
 Slope: 1.793

Error Coefficients

Standard Error: 461000
 Relative Standard Error: 13.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.041737	4.8	233807.0	2.086849	Y
2	IC 140-50646/10	0.04	0.078096	4.8	216166.0	1.952388	Y
3	IC 140-50646/11	0.08	0.147778	4.8	206580.0	1.847226	Y
4	IC 140-50646/12	0.16	0.315429	4.8	198237.0	1.971428	Y
5	IC 140-50646/13	0.4	0.779331	4.8	204286.0	1.948327	Y
6	IC 140-50646/14	1.0	1.833857	4.8	212198.0	1.833857	Y
7	ICIS 140-50646/15	2.0	3.767917	4.8	216764.0	1.883959	Y
8	IC 140-50646/7	4.0	5.327056	4.8	248836.0	1.331764	Y
9	IC 140-50646/5	8.0	11.388168	4.8	242745.0	1.423521	Y
10	IC 140-50646/3	16.0	26.342874	4.8	220902.0	1.64643	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

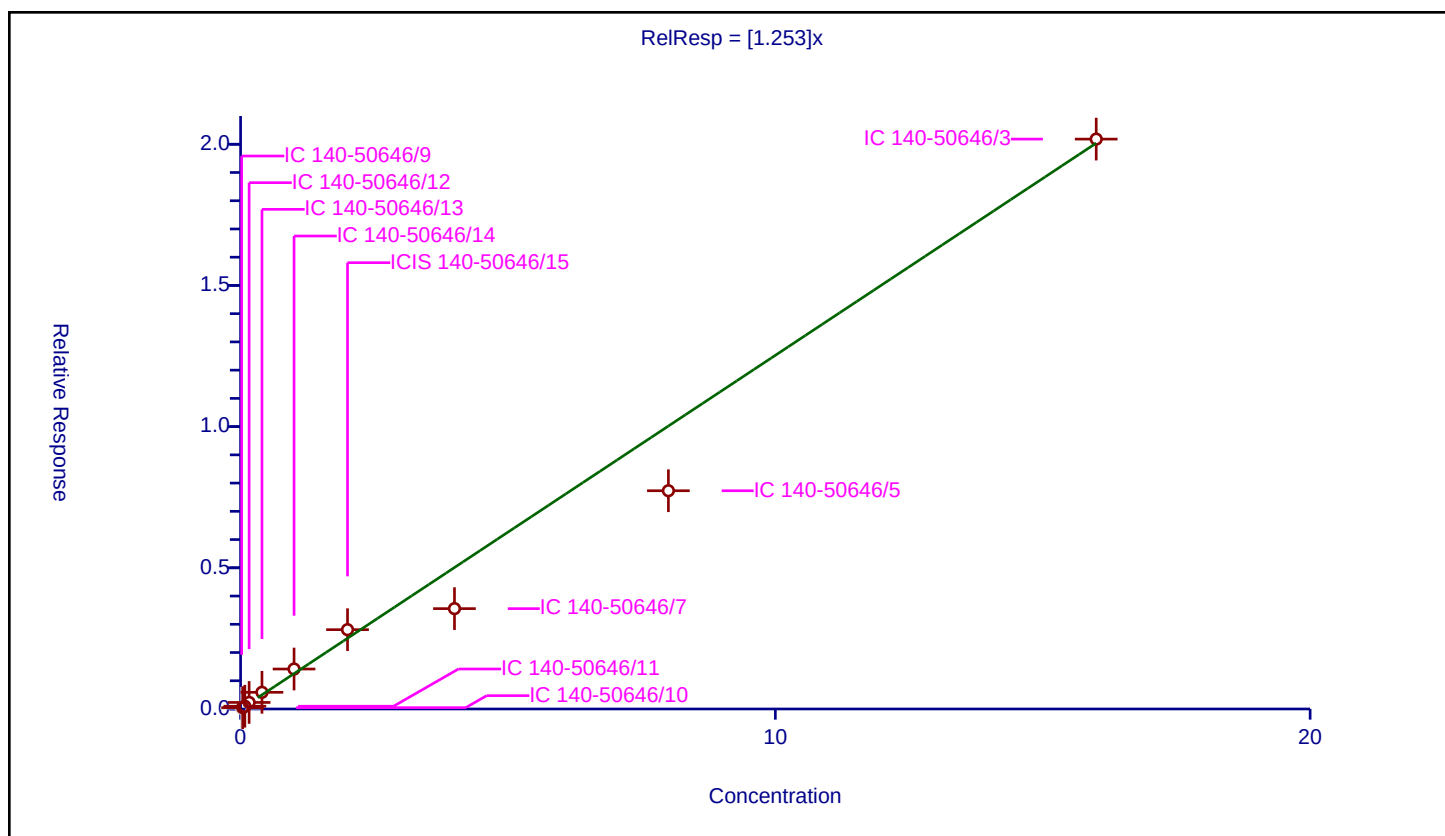
Curve Coefficients

Intercept: 0
Slope: 1.253

Error Coefficients

Standard Error: 366000
Relative Standard Error: 16.9
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.030179	4.8	233807.0	1.508937	N
2	IC 140-50646/10	0.04	0.047386	4.8	216166.0	1.184645	Y
3	IC 140-50646/11	0.08	0.098077	4.8	206580.0	1.225966	Y
4	IC 140-50646/12	0.16	0.232134	4.8	198237.0	1.450839	Y
5	IC 140-50646/13	0.4	0.590302	4.8	204286.0	1.475755	Y
6	IC 140-50646/14	1.0	1.414973	4.8	212198.0	1.414973	Y
7	ICIS 140-50646/15	2.0	2.808666	4.8	216764.0	1.404333	Y
8	IC 140-50646/7	4.0	3.553897	4.8	248836.0	0.888474	Y
9	IC 140-50646/5	8.0	7.729553	4.8	242745.0	0.966194	Y
10	IC 140-50646/3	16.0	20.182285	4.8	220902.0	1.261393	Y



Calibration

/ Butane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

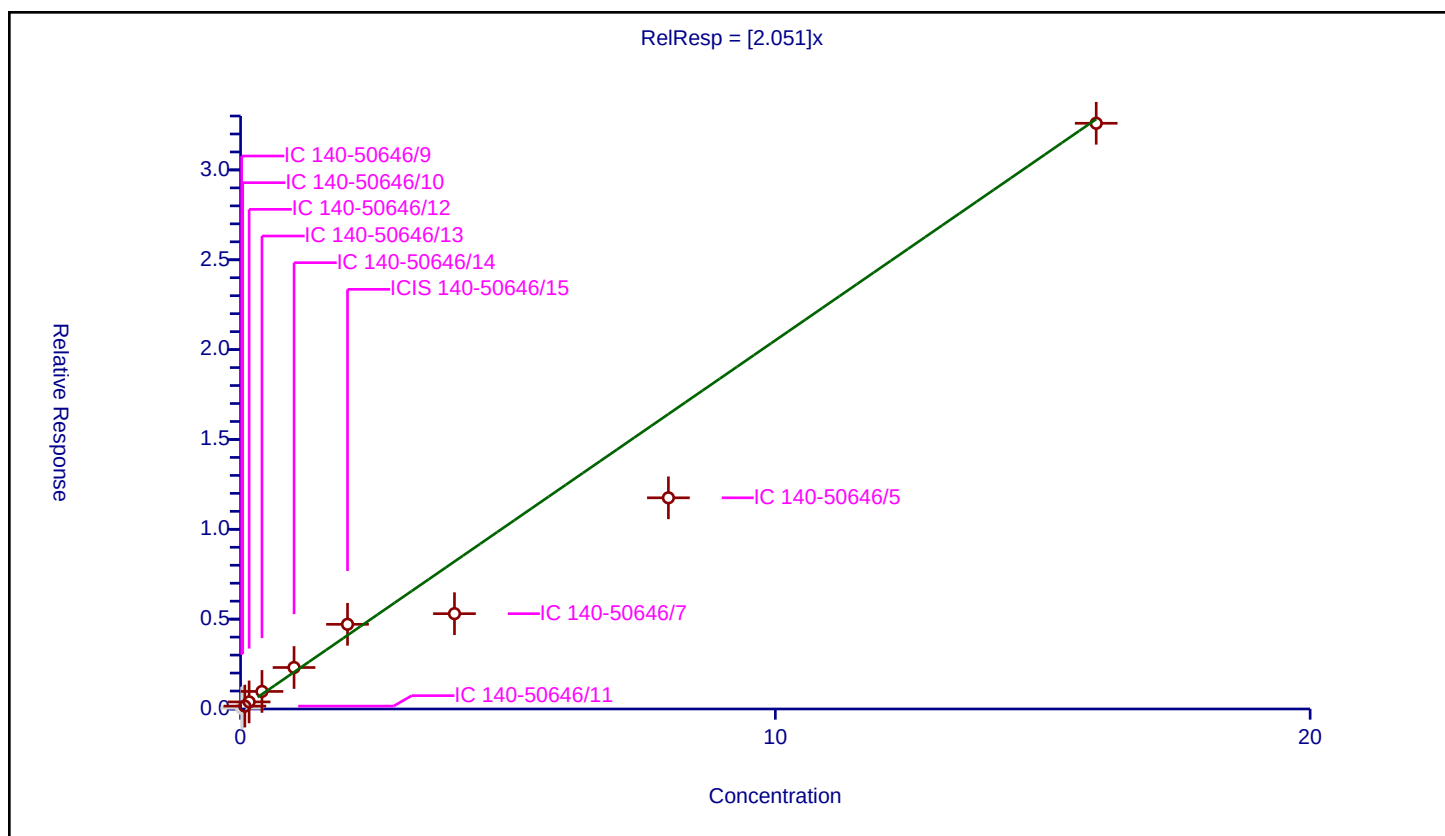
Curve Coefficients

Intercept: 0
Slope: 2.051

Error Coefficients

Standard Error: 625000
Relative Standard Error: 21.4
Correlation Coefficient: 0.985
Coefficient of Determination (Adjusted): 0.939

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.044098	4.8	233807.0	2.204895	N
2	IC 140-50646/10	0.04	0.098014	4.8	216166.0	2.450339	N
3	IC 140-50646/11	0.08	0.160325	4.8	206580.0	2.004066	Y
4	IC 140-50646/12	0.16	0.394728	4.8	198237.0	2.467047	Y
5	IC 140-50646/13	0.4	0.977148	4.8	204286.0	2.442869	Y
6	IC 140-50646/14	1.0	2.308636	4.8	212198.0	2.308636	Y
7	ICIS 140-50646/15	2.0	4.713307	4.8	216764.0	2.356653	Y
8	IC 140-50646/7	4.0	5.304544	4.8	248836.0	1.326136	Y
9	IC 140-50646/5	8.0	11.753391	4.8	242745.0	1.469174	Y
10	IC 140-50646/3	16.0	32.596833	4.8	220902.0	2.037302	Y



Calibration

/ Bromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

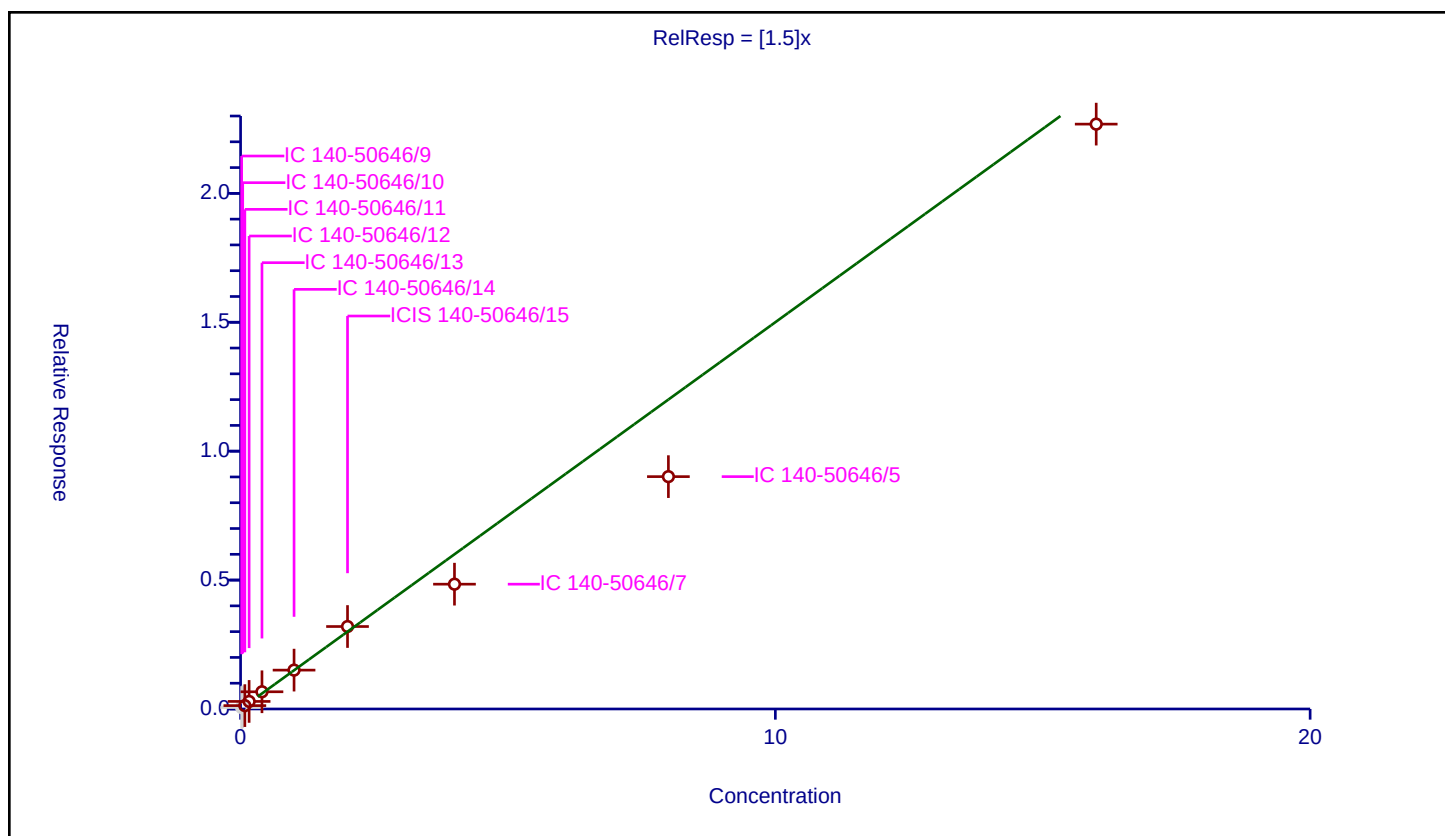
Curve Coefficients

Intercept: 0
 Slope: 1.5

Error Coefficients

Standard Error: 445000
 Relative Standard Error: 15.9
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.056108	4.8	233807.0	2.805391	N
2	IC 140-50646/10	0.04	0.083336	4.8	216166.0	2.083399	N
3	IC 140-50646/11	0.08	0.131258	4.8	206580.0	1.64072	Y
4	IC 140-50646/12	0.16	0.293007	4.8	198237.0	1.831293	Y
5	IC 140-50646/13	0.4	0.66737	4.8	204286.0	1.668426	Y
6	IC 140-50646/14	1.0	1.507309	4.8	212198.0	1.507309	Y
7	ICIS 140-50646/15	2.0	3.198199	4.8	216764.0	1.599099	Y
8	IC 140-50646/7	4.0	4.841049	4.8	248836.0	1.210262	Y
9	IC 140-50646/5	8.0	9.012579	4.8	242745.0	1.126572	Y
10	IC 140-50646/3	16.0	22.685564	4.8	220902.0	1.417848	Y



Calibration

/ Chloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

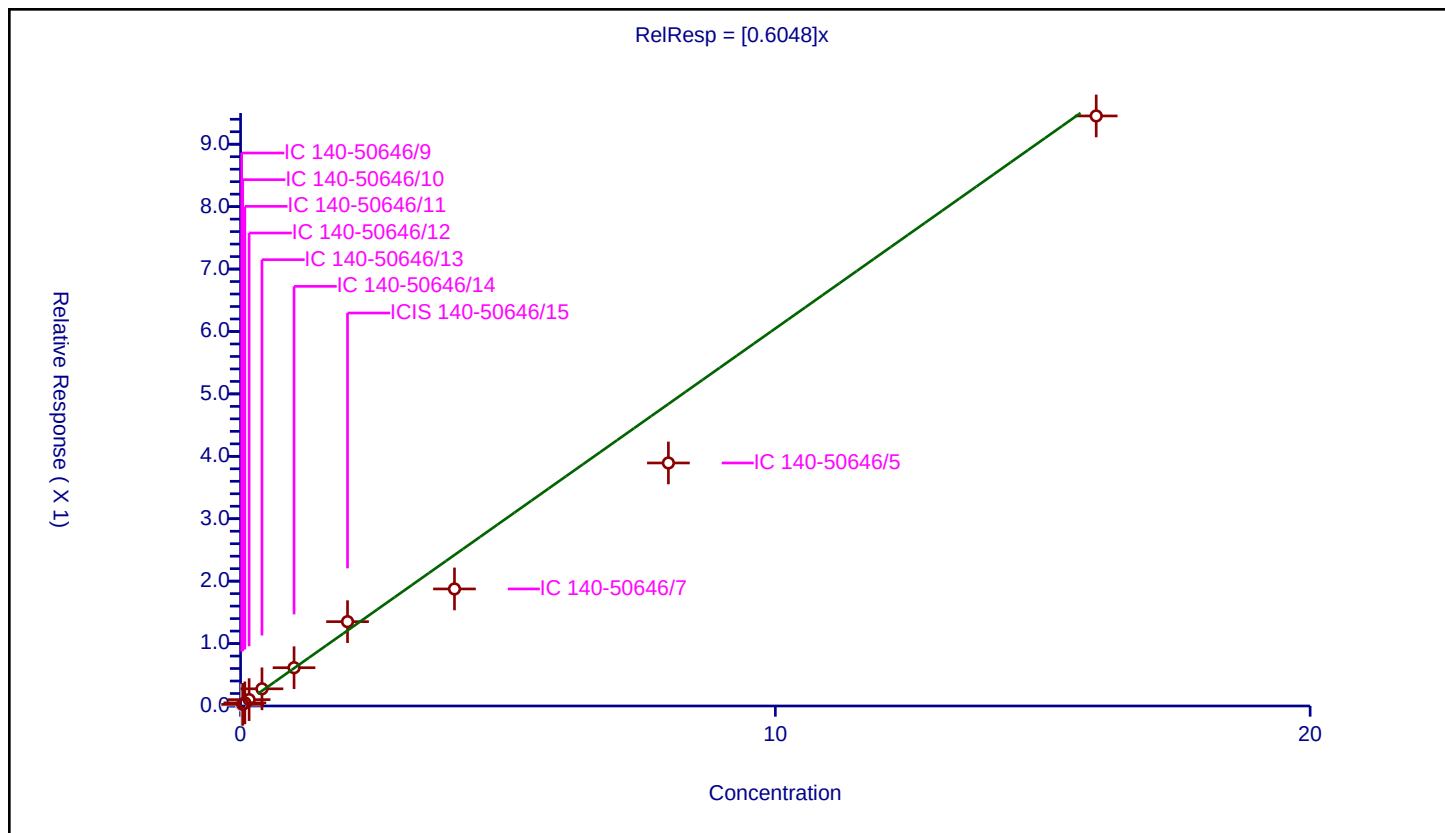
Curve Coefficients

Intercept: 0
 Slope: 0.6048

Error Coefficients

Standard Error: 174000
 Relative Standard Error: 12.9
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.015726	4.8	233807.0	0.78629	N
2	IC 140-50646/10	0.04	0.026291	4.8	216166.0	0.657273	Y
3	IC 140-50646/11	0.08	0.050119	4.8	206580.0	0.626489	Y
4	IC 140-50646/12	0.16	0.101818	4.8	198237.0	0.63636	Y
5	IC 140-50646/13	0.4	0.275285	4.8	204286.0	0.688212	Y
6	IC 140-50646/14	1.0	0.613216	4.8	212198.0	0.613216	Y
7	ICIS 140-50646/15	2.0	1.35111	4.8	216764.0	0.675555	Y
8	IC 140-50646/7	4.0	1.875124	4.8	248836.0	0.468781	Y
9	IC 140-50646/5	8.0	3.893488	4.8	242745.0	0.486686	Y
10	IC 140-50646/3	16.0	9.453111	4.8	220902.0	0.590819	Y



Calibration

/ Ethanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

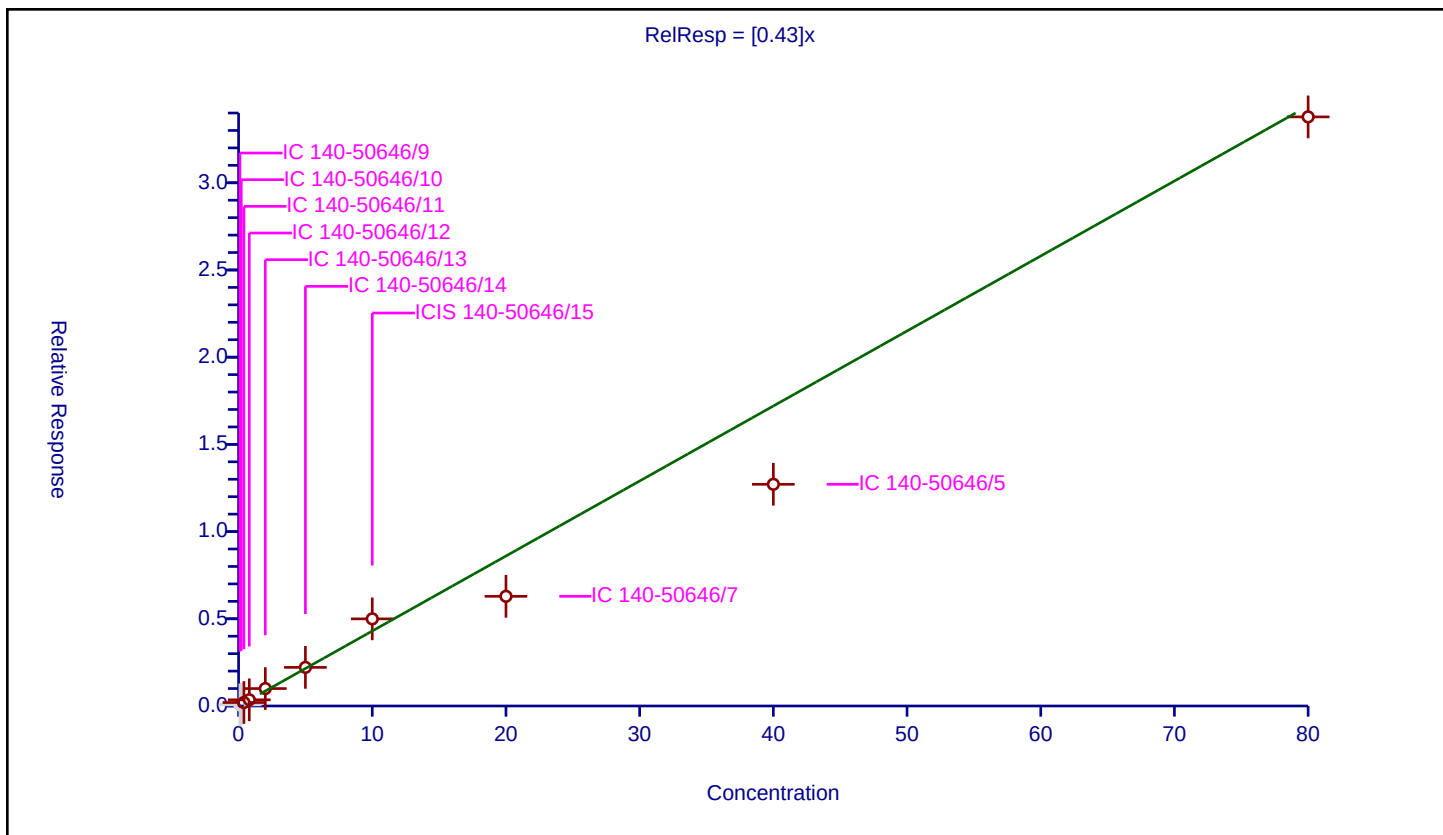
Curve Coefficients

Intercept: 0
 Slope: 0.43

Error Coefficients

Standard Error: 654000
 Relative Standard Error: 17.8
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.1	0.062267	4.8	233807.0	0.622667	N
2	IC 140-50646/10	0.2	0.108184	4.8	216166.0	0.540918	N
3	IC 140-50646/11	0.4	0.199361	4.8	206580.0	0.498403	Y
4	IC 140-50646/12	0.8	0.35618	4.8	198237.0	0.445225	Y
5	IC 140-50646/13	2.0	0.999728	4.8	204286.0	0.499864	Y
6	IC 140-50646/14	5.0	2.213721	4.8	212198.0	0.442744	Y
7	ICIS 140-50646/15	10.0	4.995486	4.8	216764.0	0.499549	Y
8	IC 140-50646/7	20.0	6.28846	4.8	248836.0	0.314423	Y
9	IC 140-50646/5	40.0	12.712105	4.8	242745.0	0.317803	Y
10	IC 140-50646/3	80.0	33.778287	4.8	220902.0	0.422229	Y



Calibration

/ Vinyl bromide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

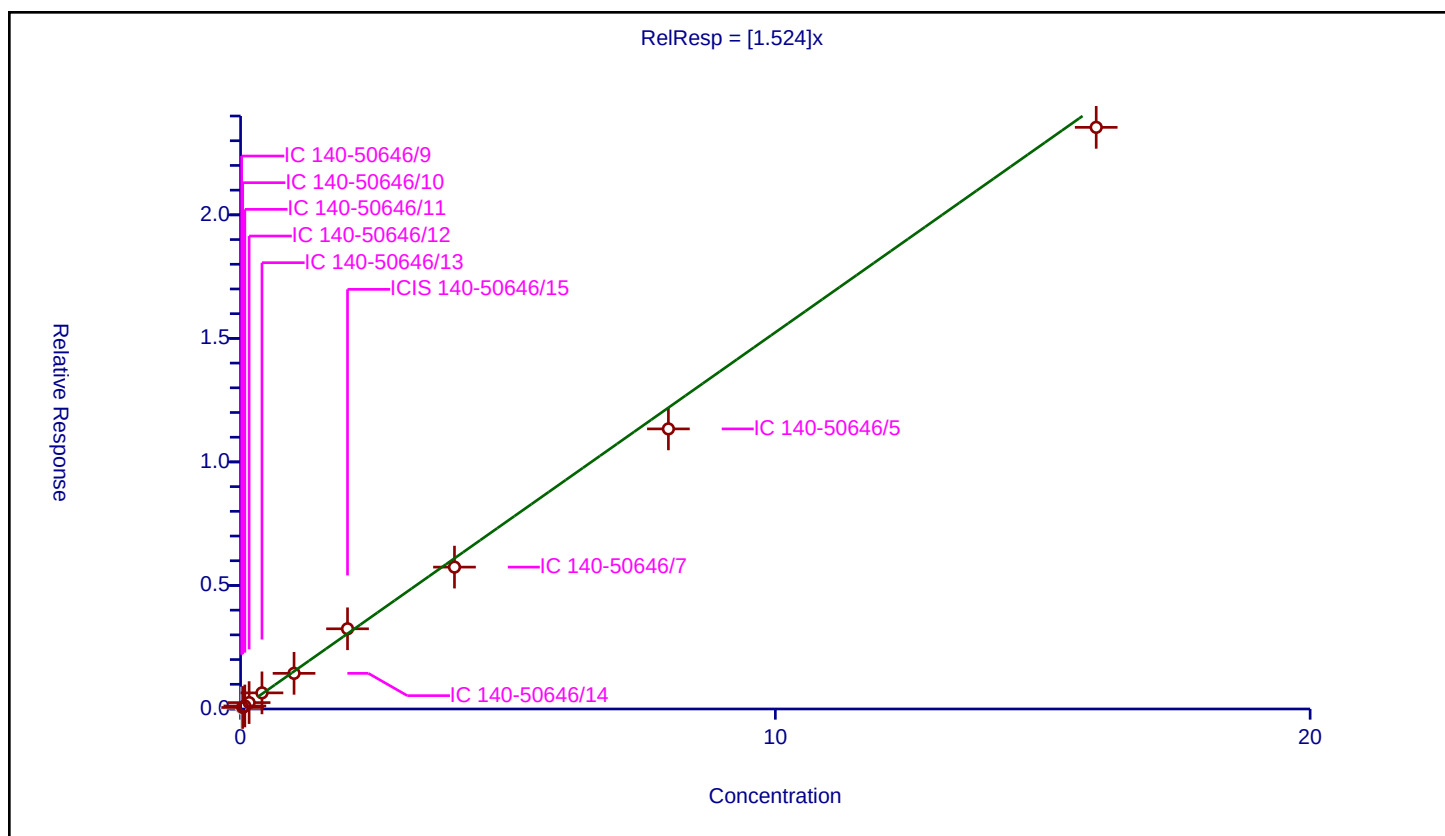
Curve Coefficients

Intercept: 0
 Slope: 1.524

Error Coefficients

Standard Error: 450000
 Relative Standard Error: 5.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.03876	4.8	233807.0	1.938009	N
2	IC 140-50646/10	0.04	0.062152	4.8	216166.0	1.553806	Y
3	IC 140-50646/11	0.08	0.122405	4.8	206580.0	1.530061	Y
4	IC 140-50646/12	0.16	0.258454	4.8	198237.0	1.615339	Y
5	IC 140-50646/13	0.4	0.652168	4.8	204286.0	1.63042	Y
6	IC 140-50646/14	1.0	1.442615	4.8	212198.0	1.442615	Y
7	ICIS 140-50646/15	2.0	3.245476	4.8	216764.0	1.622738	Y
8	IC 140-50646/7	4.0	5.741999	4.8	248836.0	1.4355	Y
9	IC 140-50646/5	8.0	11.336143	4.8	242745.0	1.417018	Y
10	IC 140-50646/3	16.0	23.541451	4.8	220902.0	1.471341	Y



Calibration

/ 2-Methylbutane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

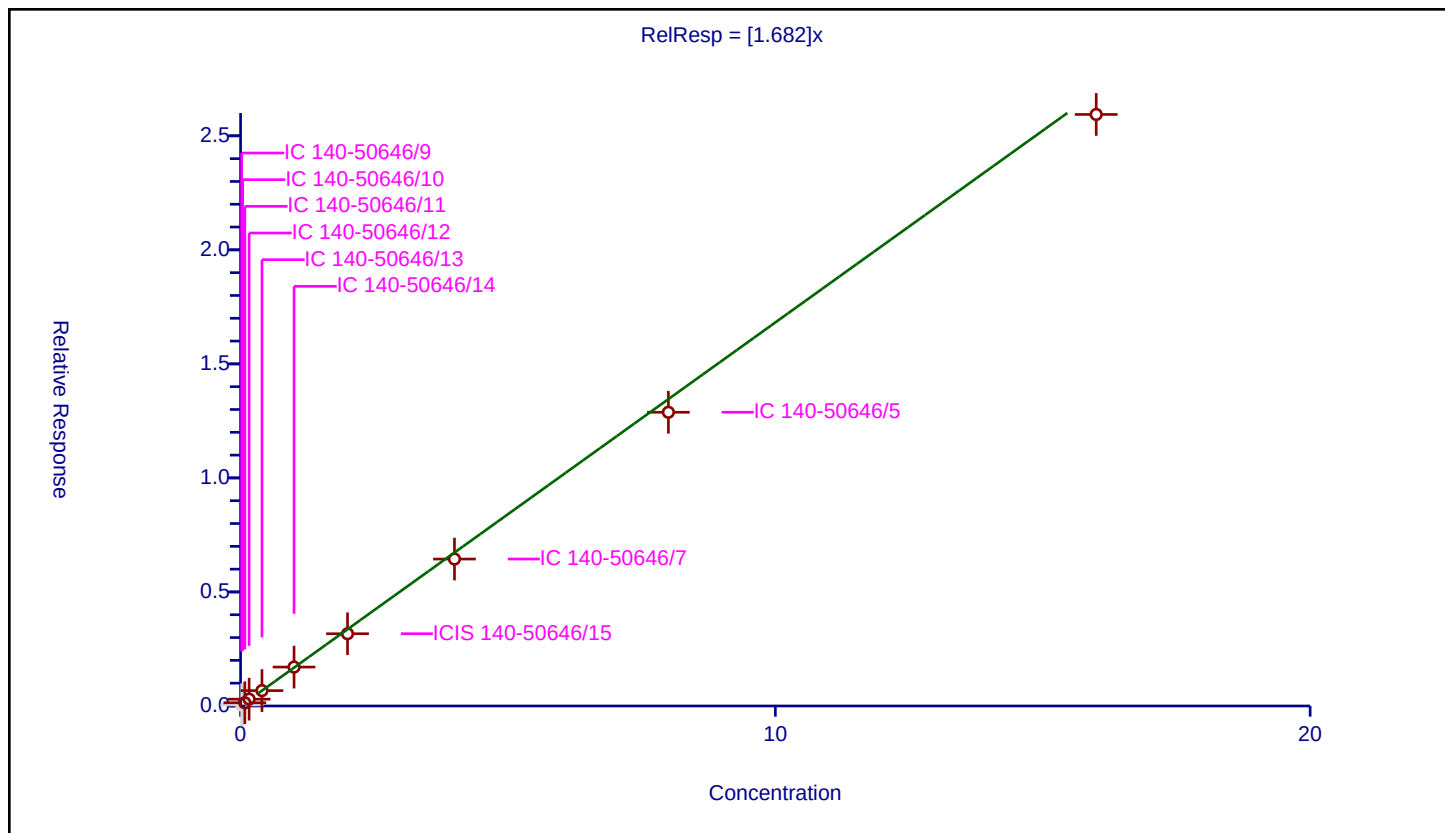
Curve Coefficients

Intercept: 0
 Slope: 1.682

Error Coefficients

Standard Error: 533000
 Relative Standard Error: 5.8
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.047752	4.8	233807.0	2.38761	N
2	IC 140-50646/10	0.04	0.080249	4.8	216166.0	2.006236	N
3	IC 140-50646/11	0.08	0.141551	4.8	206580.0	1.769387	Y
4	IC 140-50646/12	0.16	0.298528	4.8	198237.0	1.865797	Y
5	IC 140-50646/13	0.4	0.674466	4.8	204286.0	1.686165	Y
6	IC 140-50646/14	1.0	1.706979	4.8	212198.0	1.706979	Y
7	ICIS 140-50646/15	2.0	3.168039	4.8	216764.0	1.584019	Y
8	IC 140-50646/7	4.0	6.442894	4.8	248836.0	1.610724	Y
9	IC 140-50646/5	8.0	12.879095	4.8	242745.0	1.609887	Y
10	IC 140-50646/3	16.0	25.936692	4.8	220902.0	1.621043	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

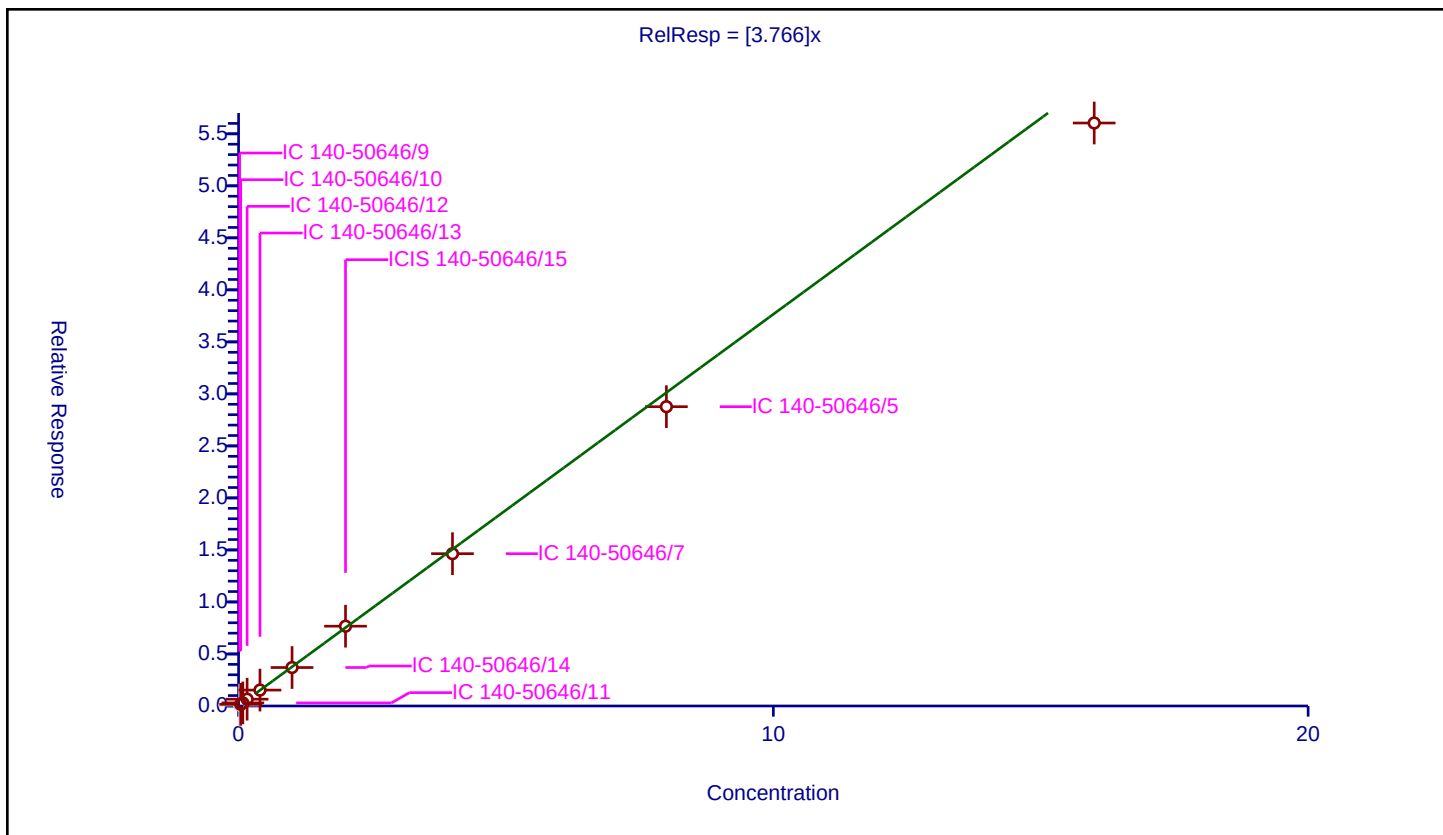
Curve Coefficients

Intercept: 0
 Slope: 3.766

Error Coefficients

Standard Error: 1090000
 Relative Standard Error: 4.9
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.090947	4.8	233807.0	4.54734	N
2	IC 140-50646/10	0.04	0.158945	4.8	216166.0	3.973613	Y
3	IC 140-50646/11	0.08	0.29709	4.8	206580.0	3.713622	Y
4	IC 140-50646/12	0.16	0.654514	4.8	198237.0	4.09071	Y
5	IC 140-50646/13	0.4	1.528657	4.8	204286.0	3.821642	Y
6	IC 140-50646/14	1.0	3.697437	4.8	212198.0	3.697437	Y
7	ICIS 140-50646/15	2.0	7.671466	4.8	216764.0	3.835733	Y
8	IC 140-50646/7	4.0	14.63929	4.8	248836.0	3.659823	Y
9	IC 140-50646/5	8.0	28.770359	4.8	242745.0	3.596295	Y
10	IC 140-50646/3	16.0	56.039373	4.8	220902.0	3.502461	Y



Calibration

/ Acrolein

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

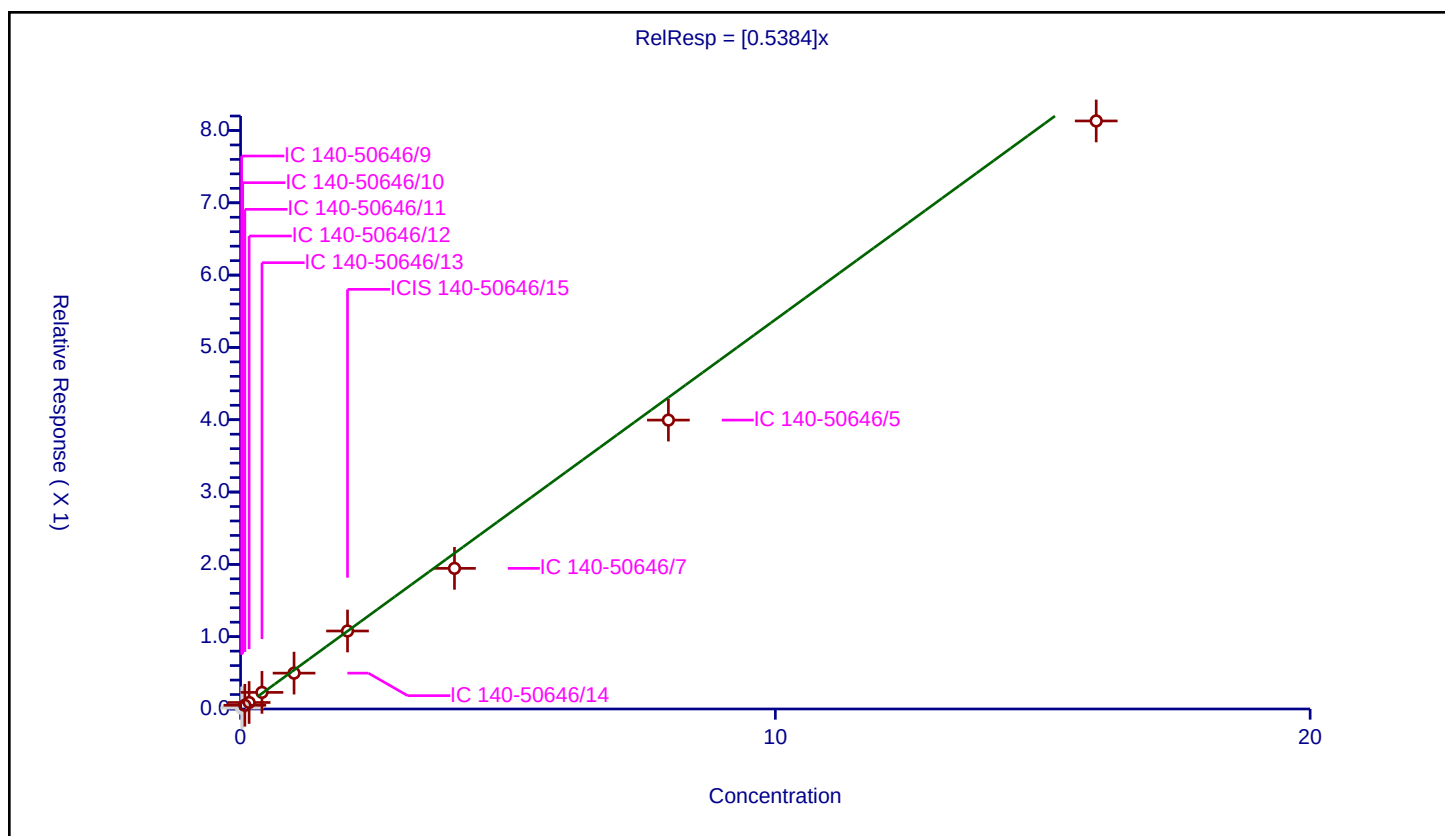
Curve Coefficients

Intercept: 0
 Slope: 0.5384

Error Coefficients

Standard Error: 166000
 Relative Standard Error: 9.9
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.012359	4.8	233807.0	0.617946	N
2	IC 140-50646/10	0.04	0.024914	4.8	216166.0	0.622855	N
3	IC 140-50646/11	0.08	0.051467	4.8	206580.0	0.643334	Y
4	IC 140-50646/12	0.16	0.089832	4.8	198237.0	0.561449	Y
5	IC 140-50646/13	0.4	0.229678	4.8	204286.0	0.574195	Y
6	IC 140-50646/14	1.0	0.495635	4.8	212198.0	0.495635	Y
7	ICIS 140-50646/15	2.0	1.078275	4.8	216764.0	0.539137	Y
8	IC 140-50646/7	4.0	1.94449	4.8	248836.0	0.486123	Y
9	IC 140-50646/5	8.0	3.994829	4.8	242745.0	0.499354	Y
10	IC 140-50646/3	16.0	8.131874	4.8	220902.0	0.508242	Y



Calibration

/ Acetonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

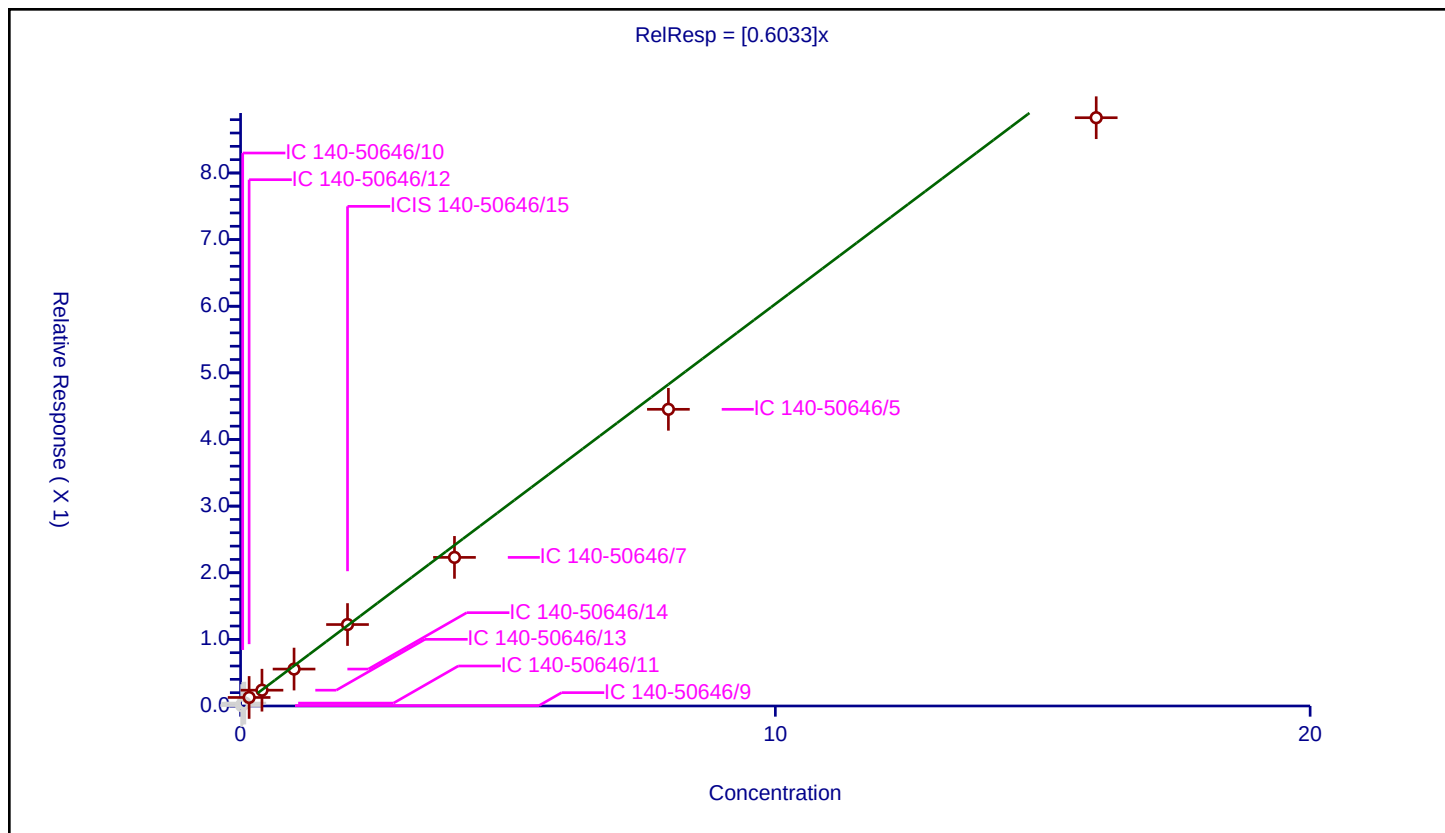
Curve Coefficients

Intercept: 0
 Slope: 0.6033

Error Coefficients

Standard Error: 197000
 Relative Standard Error: 14.8
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.006221	4.8	233807.0	0.311026	N
2	IC 140-50646/10	0.04	0.040635	4.8	216166.0	1.015886	N
3	IC 140-50646/11	0.08	0.04345	4.8	206580.0	0.543131	N
4	IC 140-50646/12	0.16	0.127944	4.8	198237.0	0.799649	Y
5	IC 140-50646/13	0.4	0.236962	4.8	204286.0	0.592405	Y
6	IC 140-50646/14	1.0	0.554041	4.8	212198.0	0.554041	Y
7	ICIS 140-50646/15	2.0	1.222542	4.8	216764.0	0.611271	Y
8	IC 140-50646/7	4.0	2.230346	4.8	248836.0	0.557587	Y
9	IC 140-50646/5	8.0	4.453068	4.8	242745.0	0.556634	Y
10	IC 140-50646/3	16.0	8.829508	4.8	220902.0	0.551844	Y



Calibration

/ Acetone

Curve Type: Linear
 Weighting: None
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

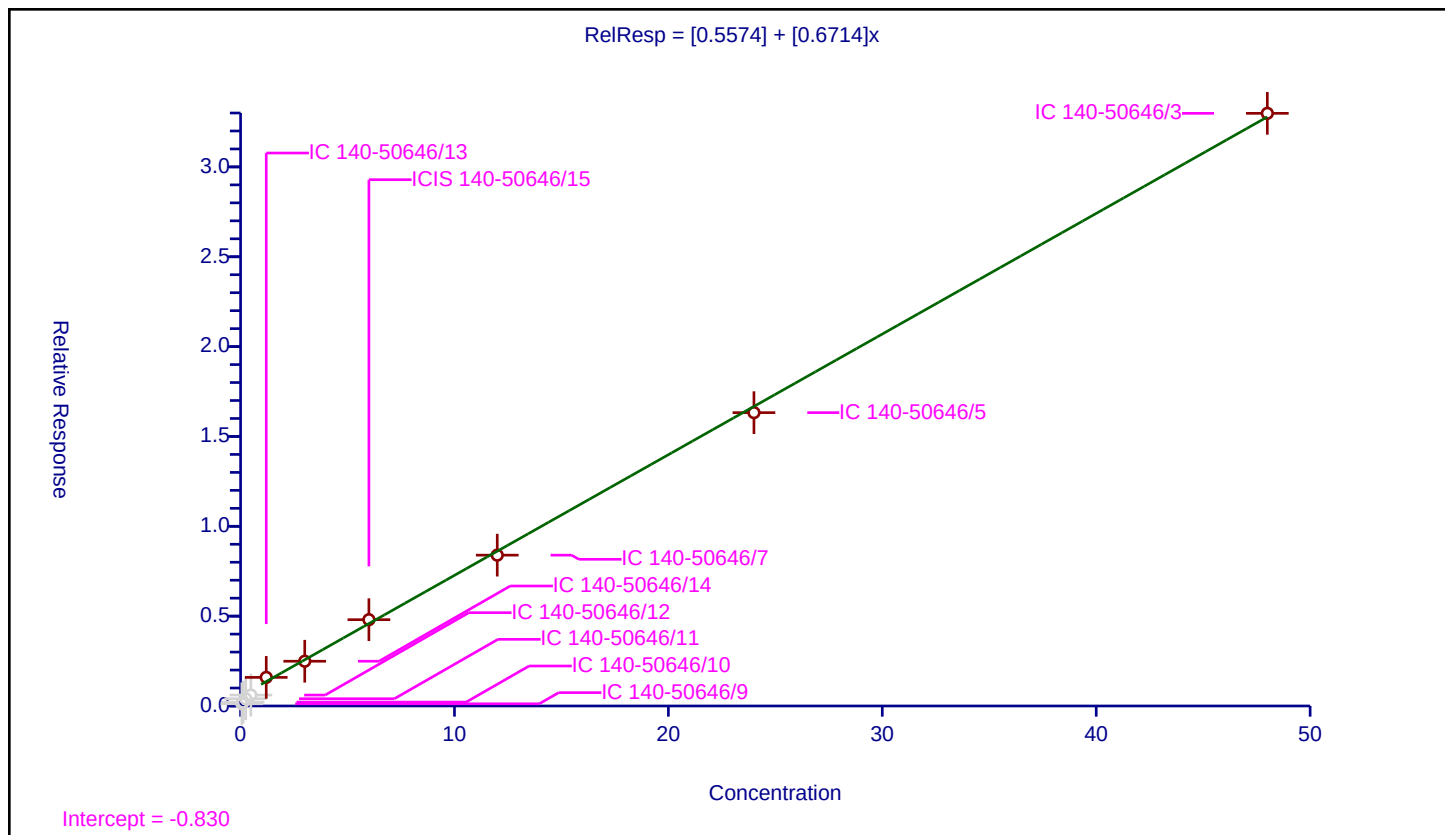
Curve Coefficients

Intercept: 0.5574
 Slope: 0.6714

Error Coefficients

Standard Error: 900000
 Relative Standard Error: 14.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.06	0.122522	4.8	233807.0	2.042026	N
2	IC 140-50646/10	0.12	0.217588	4.8	216166.0	1.813236	N
3	IC 140-50646/11	0.24	0.403741	4.8	206580.0	1.682254	N
4	IC 140-50646/12	0.48	0.607564	4.8	198237.0	1.265758	N
5	IC 140-50646/13	1.2	1.59158	4.8	204286.0	1.326317	Y
6	IC 140-50646/14	3.0	2.49107	4.8	212198.0	0.830357	Y
7	ICIS 140-50646/15	6.0	4.80248	4.8	216764.0	0.800413	Y
8	IC 140-50646/7	12.0	8.394464	4.8	248836.0	0.699539	Y
9	IC 140-50646/5	24.0	16.325734	4.8	242745.0	0.680239	Y
10	IC 140-50646/3	48.0	32.982916	4.8	220902.0	0.687144	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

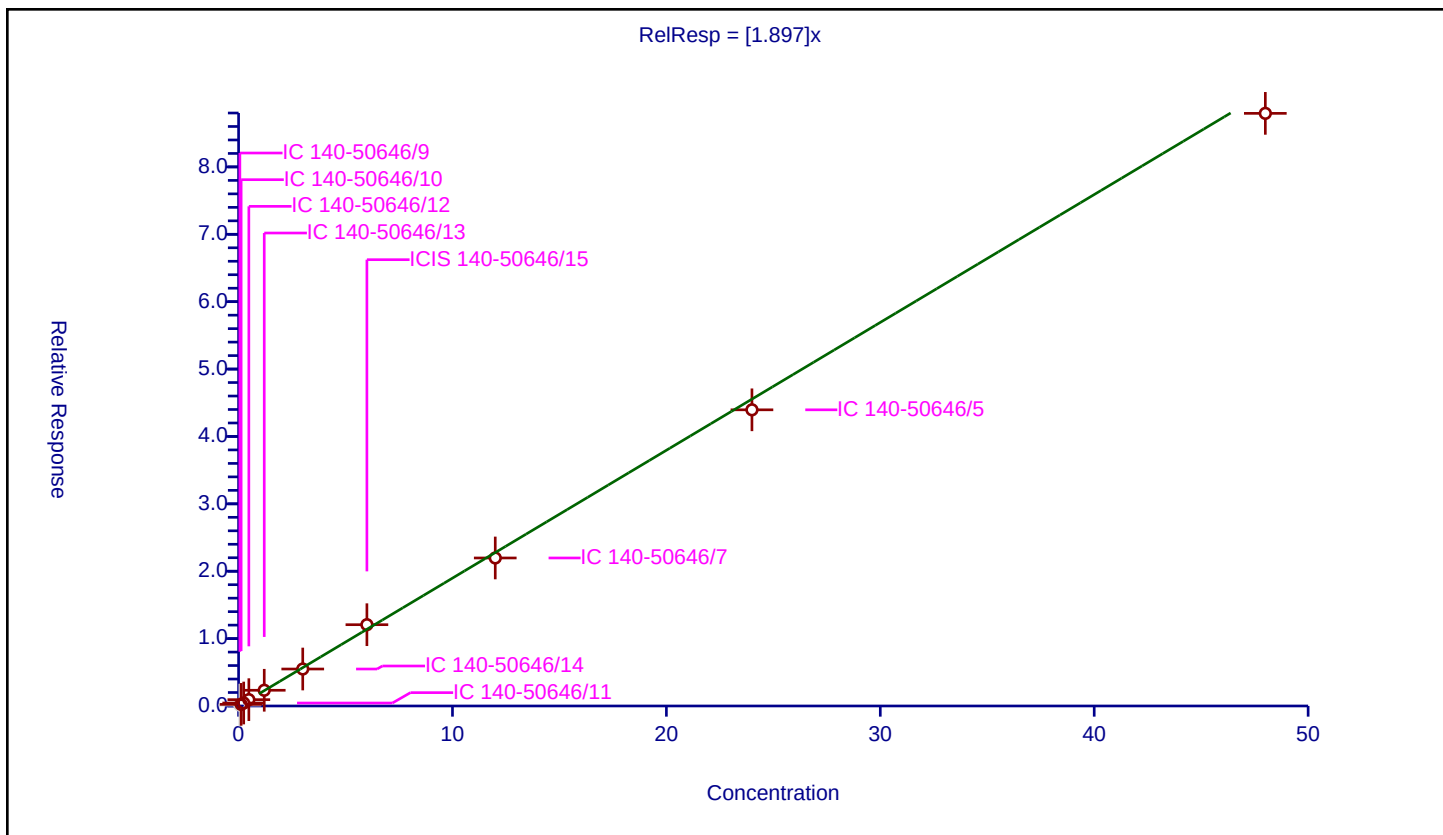
Curve Coefficients

Intercept: 0
 Slope: 1.897

Error Coefficients

Standard Error: 1700000
 Relative Standard Error: 4.2
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.06	0.136318	4.8	233807.0	2.271959	N
2	IC 140-50646/10	0.12	0.240882	4.8	216166.0	2.007346	Y
3	IC 140-50646/11	0.24	0.440871	4.8	206580.0	1.836964	Y
4	IC 140-50646/12	0.48	0.939191	4.8	198237.0	1.956648	Y
5	IC 140-50646/13	1.2	2.331038	4.8	204286.0	1.942532	Y
6	IC 140-50646/14	3.0	5.486642	4.8	212198.0	1.828881	Y
7	ICIS 140-50646/15	6.0	12.06497	4.8	216764.0	2.010828	Y
8	IC 140-50646/7	12.0	21.966198	4.8	248836.0	1.830516	Y
9	IC 140-50646/5	24.0	43.95275	4.8	242745.0	1.831365	Y
10	IC 140-50646/3	48.0	87.947155	4.8	220902.0	1.832232	Y



Calibration

/ Pentane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

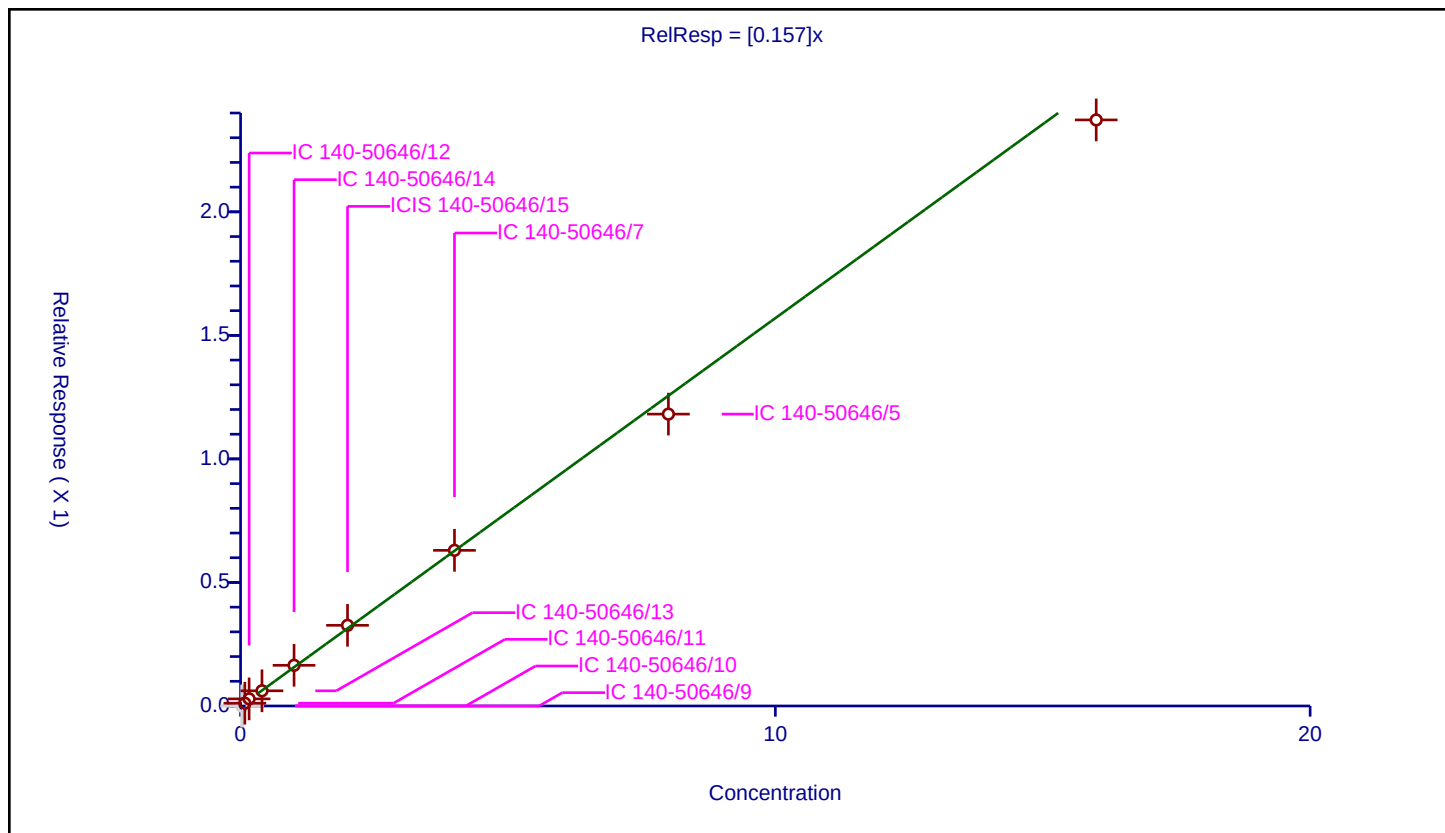
Curve Coefficients

Intercept: 0
Slope: 0.157

Error Coefficients

Standard Error: 49000
Relative Standard Error: 7.7
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.0	4.8	233807.0	0.0	N
2	IC 140-50646/10	0.04	0.0	4.8	216166.0	0.0	N
3	IC 140-50646/11	0.08	0.011292	4.8	206580.0	0.141156	Y
4	IC 140-50646/12	0.16	0.028741	4.8	198237.0	0.179633	Y
5	IC 140-50646/13	0.4	0.061467	4.8	204286.0	0.153667	Y
6	IC 140-50646/14	1.0	0.164631	4.8	212198.0	0.164631	Y
7	ICIS 140-50646/15	2.0	0.326534	4.8	216764.0	0.163267	Y
8	IC 140-50646/7	4.0	0.629986	4.8	248836.0	0.157497	Y
9	IC 140-50646/5	8.0	1.181388	4.8	242745.0	0.147673	Y
10	IC 140-50646/3	16.0	2.372013	4.8	220902.0	0.148251	Y



Calibration

/ Ethyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

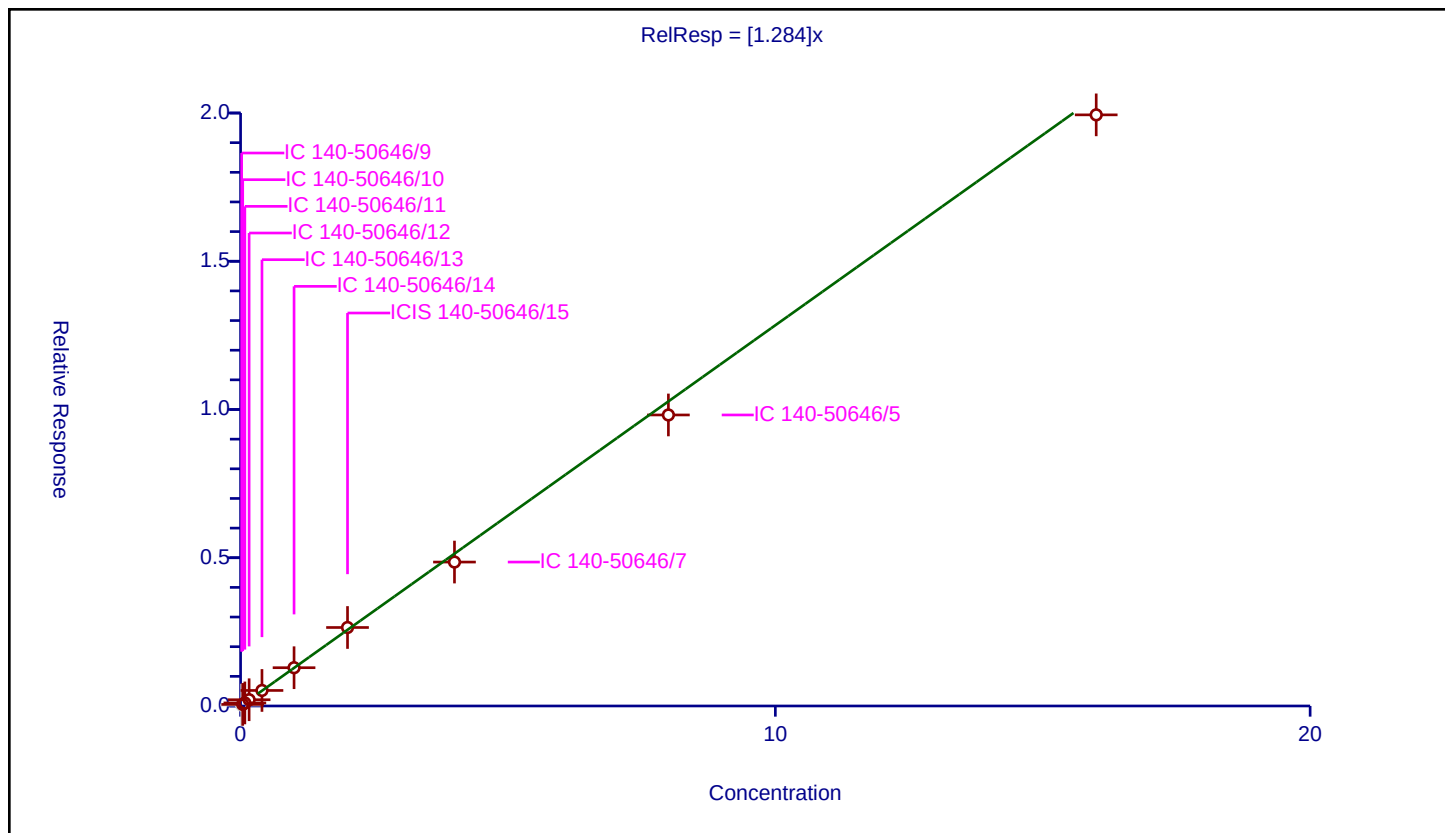
Curve Coefficients

Intercept: 0
 Slope: 1.284

Error Coefficients

Standard Error: 382000
 Relative Standard Error: 3.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.031308	4.8	233807.0	1.565394	N
2	IC 140-50646/10	0.04	0.05367	4.8	216166.0	1.341747	Y
3	IC 140-50646/11	0.08	0.102771	4.8	206580.0	1.284635	Y
4	IC 140-50646/12	0.16	0.211141	4.8	198237.0	1.319633	Y
5	IC 140-50646/13	0.4	0.523971	4.8	204286.0	1.309928	Y
6	IC 140-50646/14	1.0	1.290742	4.8	212198.0	1.290742	Y
7	ICIS 140-50646/15	2.0	2.647347	4.8	216764.0	1.323674	Y
8	IC 140-50646/7	4.0	4.854417	4.8	248836.0	1.213604	Y
9	IC 140-50646/5	8.0	9.816227	4.8	242745.0	1.227028	Y
10	IC 140-50646/3	16.0	19.938268	4.8	220902.0	1.246142	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

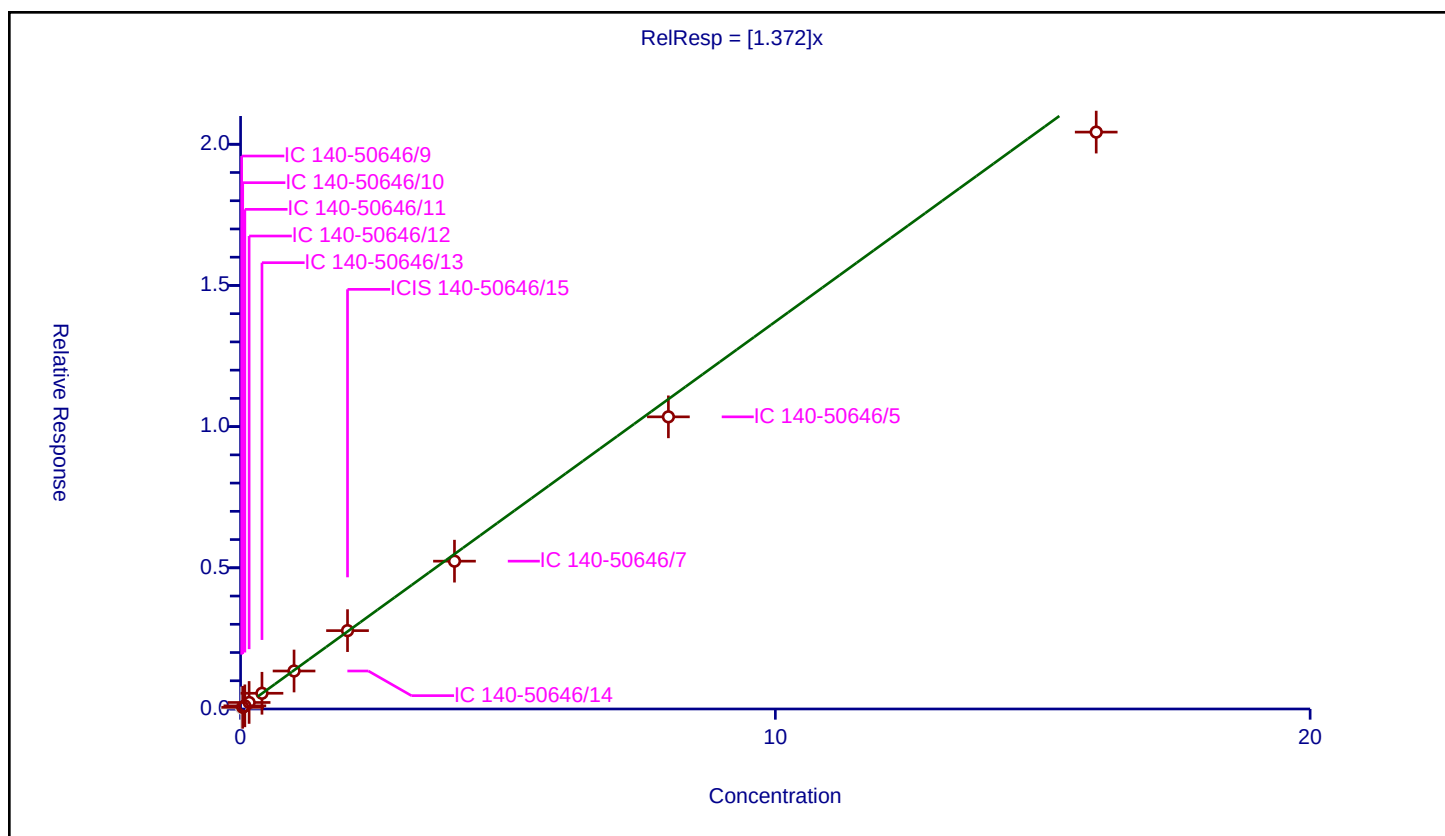
Curve Coefficients

Intercept: 0
 Slope: 1.372

Error Coefficients

Standard Error: 396000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.036173	4.8	233807.0	1.808671	N
2	IC 140-50646/10	0.04	0.06022	4.8	216166.0	1.50551	Y
3	IC 140-50646/11	0.08	0.111484	4.8	206580.0	1.393552	Y
4	IC 140-50646/12	0.16	0.23073	4.8	198237.0	1.442062	Y
5	IC 140-50646/13	0.4	0.556514	4.8	204286.0	1.391285	Y
6	IC 140-50646/14	1.0	1.345506	4.8	212198.0	1.345506	Y
7	ICIS 140-50646/15	2.0	2.775251	4.8	216764.0	1.387625	Y
8	IC 140-50646/7	4.0	5.235294	4.8	248836.0	1.308823	Y
9	IC 140-50646/5	8.0	10.346581	4.8	242745.0	1.293323	Y
10	IC 140-50646/3	16.0	20.430801	4.8	220902.0	1.276925	Y



Calibration

/ 2-Methyl-2-propanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

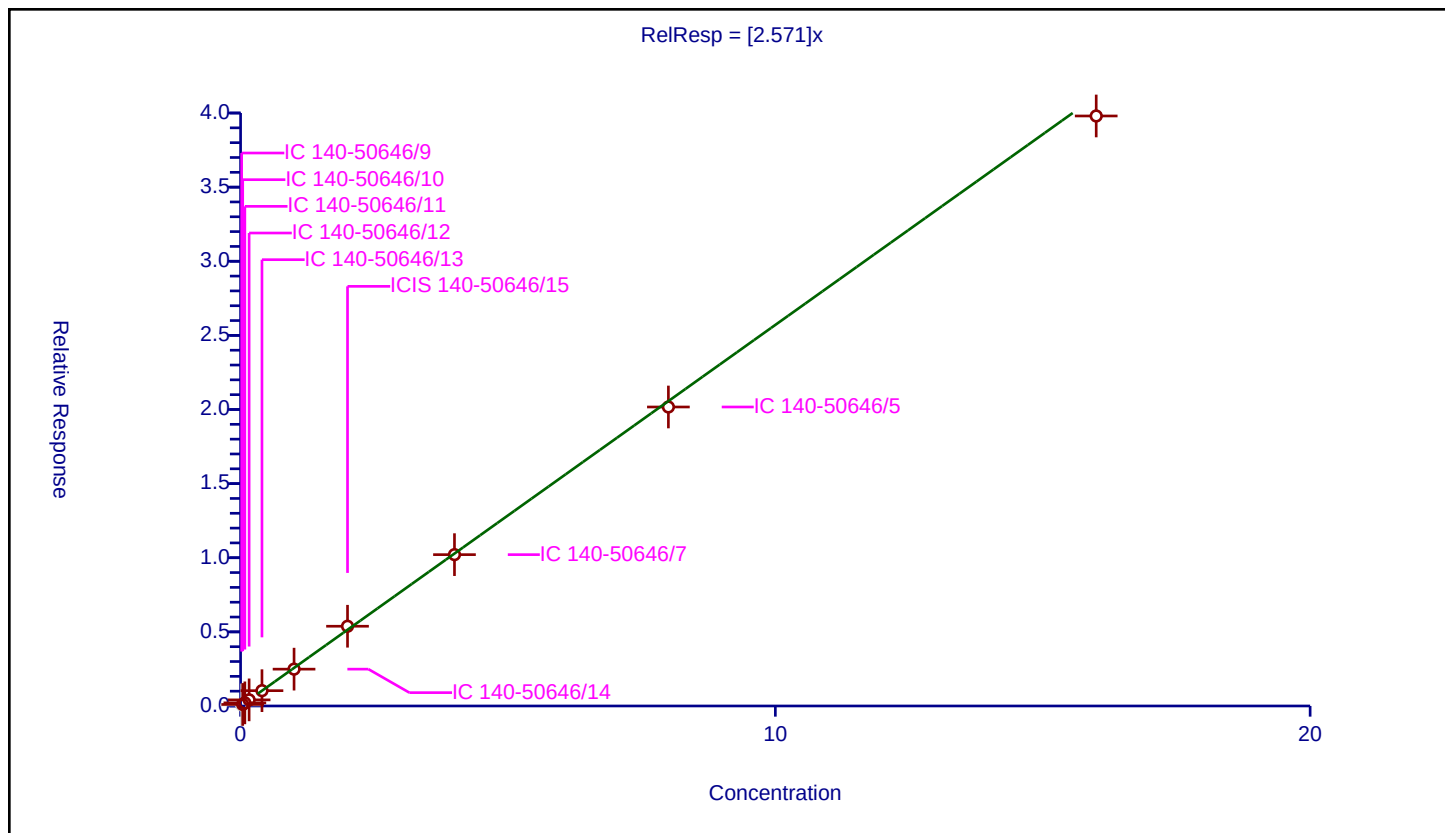
Curve Coefficients

Intercept: 0
 Slope: 2.571

Error Coefficients

Standard Error: 770000
 Relative Standard Error: 2.7
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.072203	4.8	233807.0	3.610157	N
2	IC 140-50646/10	0.04	0.103321	4.8	216166.0	2.583015	Y
3	IC 140-50646/11	0.08	0.212071	4.8	206580.0	2.650886	Y
4	IC 140-50646/12	0.16	0.413493	4.8	198237.0	2.584331	Y
5	IC 140-50646/13	0.4	1.033046	4.8	204286.0	2.582615	Y
6	IC 140-50646/14	1.0	2.484713	4.8	212198.0	2.484713	Y
7	ICIS 140-50646/15	2.0	5.378664	4.8	216764.0	2.689332	Y
8	IC 140-50646/7	4.0	10.209693	4.8	248836.0	2.552423	Y
9	IC 140-50646/5	8.0	20.169294	4.8	242745.0	2.521162	Y
10	IC 140-50646/3	16.0	39.799636	4.8	220902.0	2.487477	Y



Calibration

/ Acrylonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

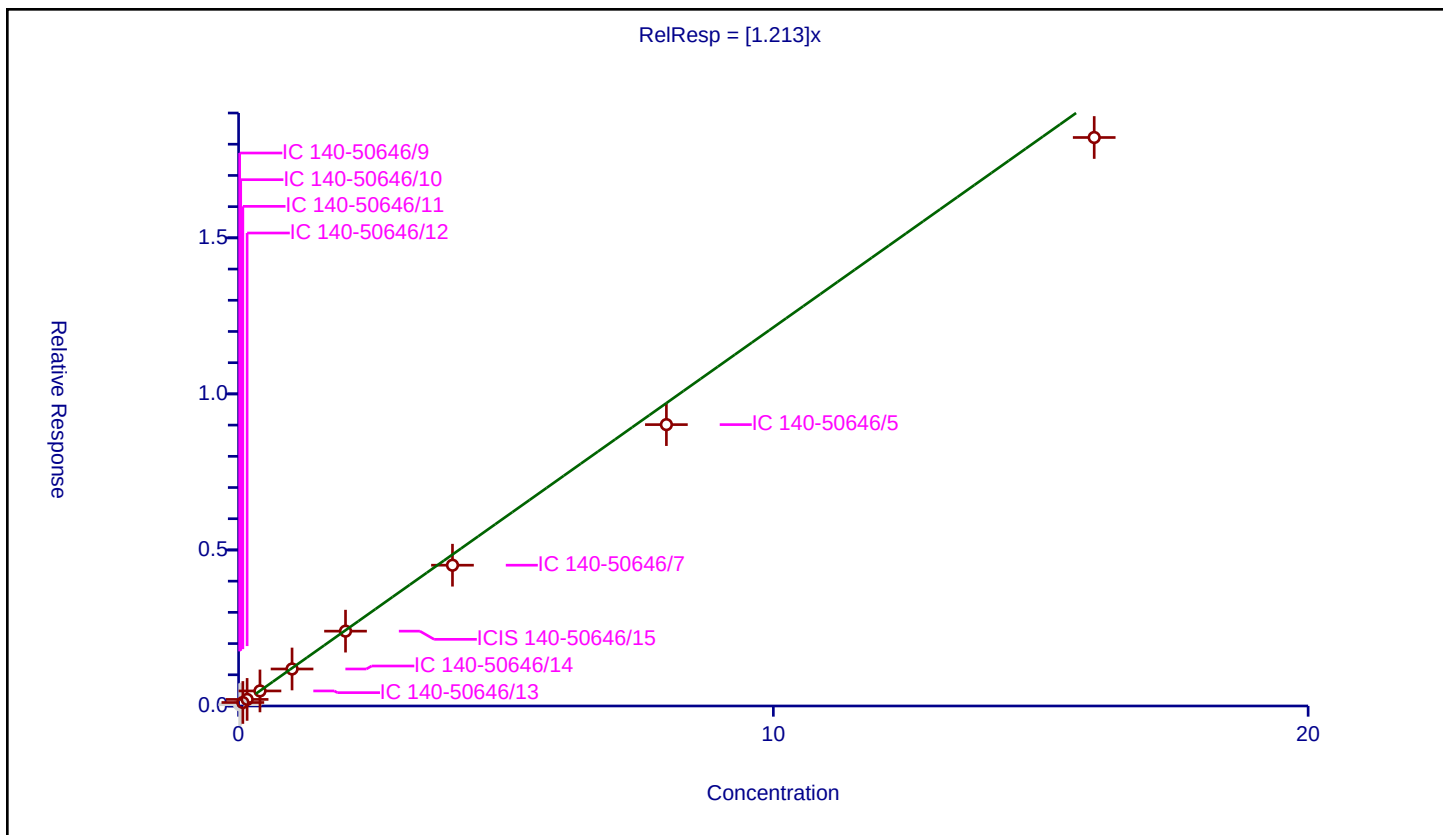
Curve Coefficients

Intercept: 0
 Slope: 1.213

Error Coefficients

Standard Error: 374000
 Relative Standard Error: 8.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.041326	4.8	233807.0	2.06632	N
2	IC 140-50646/10	0.04	0.060243	4.8	216166.0	1.506065	N
3	IC 140-50646/11	0.08	0.112297	4.8	206580.0	1.403718	Y
4	IC 140-50646/12	0.16	0.210899	4.8	198237.0	1.318119	Y
5	IC 140-50646/13	0.4	0.482218	4.8	204286.0	1.205545	Y
6	IC 140-50646/14	1.0	1.185715	4.8	212198.0	1.185715	Y
7	ICIS 140-50646/15	2.0	2.398339	4.8	216764.0	1.19917	Y
8	IC 140-50646/7	4.0	4.511347	4.8	248836.0	1.127837	Y
9	IC 140-50646/5	8.0	9.015387	4.8	242745.0	1.126923	Y
10	IC 140-50646/3	16.0	18.215694	4.8	220902.0	1.138481	Y



Calibration

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

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

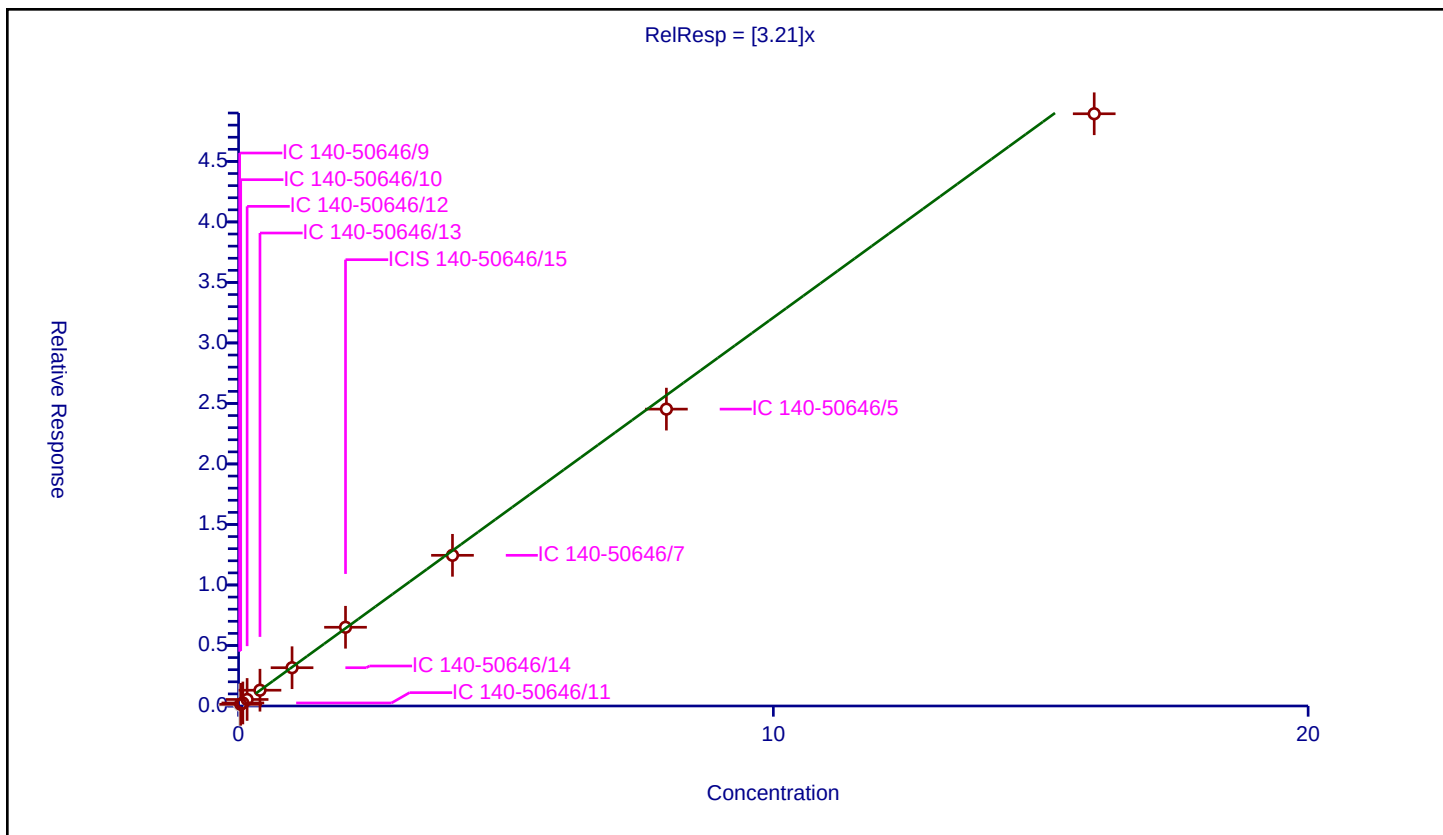
Curve Coefficients

Intercept: 0
 Slope: 3.21

Error Coefficients

Standard Error: 945000
 Relative Standard Error: 4.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.080148	4.8	233807.0	4.007408	N
2	IC 140-50646/10	0.04	0.138938	4.8	216166.0	3.473442	Y
3	IC 140-50646/11	0.08	0.250781	4.8	206580.0	3.134766	Y
4	IC 140-50646/12	0.16	0.538095	4.8	198237.0	3.363096	Y
5	IC 140-50646/13	0.4	1.304242	4.8	204286.0	3.260605	Y
6	IC 140-50646/14	1.0	3.162963	4.8	212198.0	3.162963	Y
7	ICIS 140-50646/15	2.0	6.506099	4.8	216764.0	3.253049	Y
8	IC 140-50646/7	4.0	12.452095	4.8	248836.0	3.113024	Y
9	IC 140-50646/5	8.0	24.531244	4.8	242745.0	3.066405	Y
10	IC 140-50646/3	16.0	48.937784	4.8	220902.0	3.058612	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

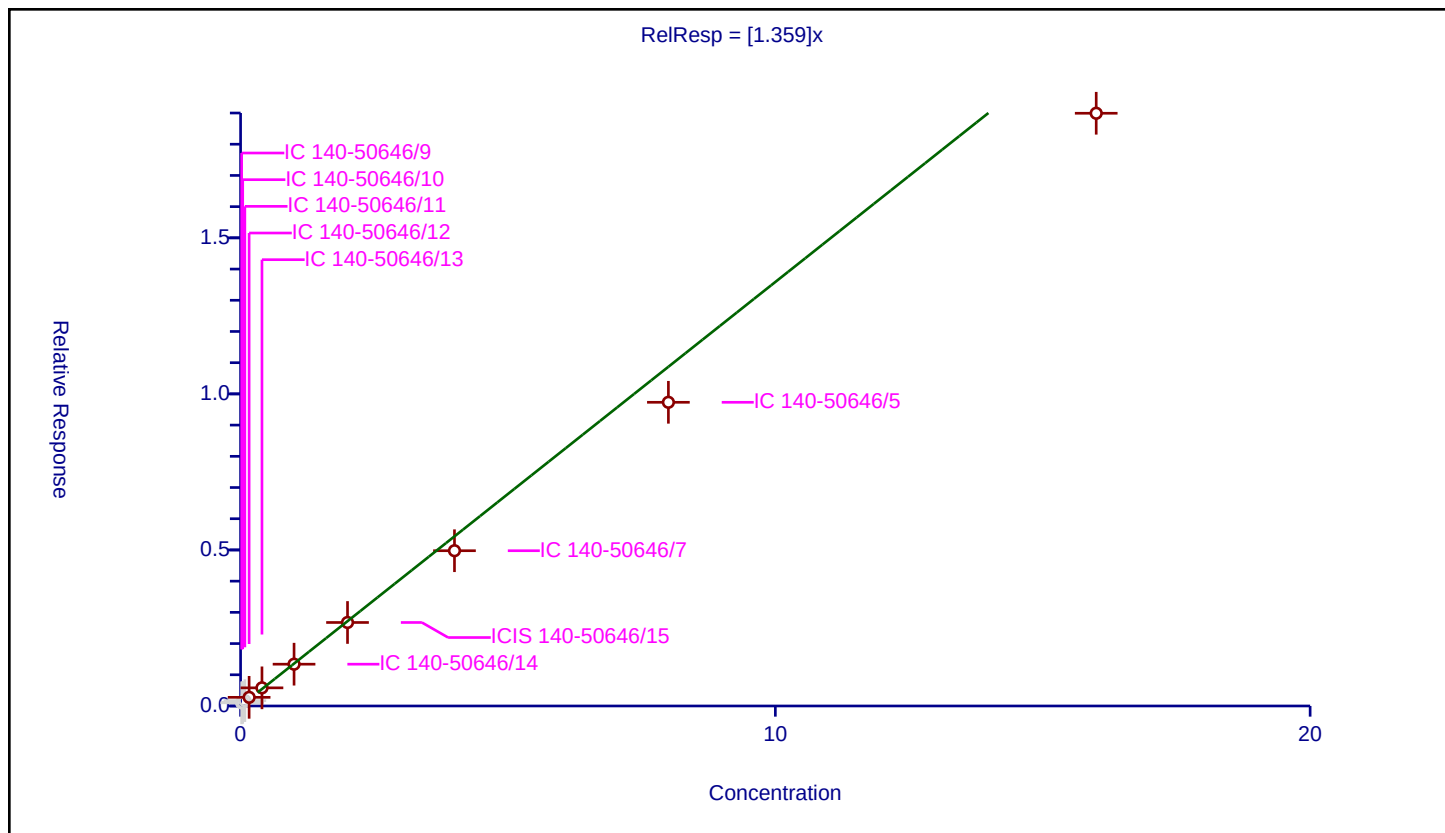
Curve Coefficients

Intercept: 0
Slope: 1.359

Error Coefficients

Standard Error: 427000
Relative Standard Error: 13.9
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.100965	4.8	233807.0	5.048266	N
2	IC 140-50646/10	0.04	0.112691	4.8	216166.0	2.817279	N
3	IC 140-50646/11	0.08	0.172268	4.8	206580.0	2.153355	N
4	IC 140-50646/12	0.16	0.277268	4.8	198237.0	1.732926	Y
5	IC 140-50646/13	0.4	0.581561	4.8	204286.0	1.453903	Y
6	IC 140-50646/14	1.0	1.339081	4.8	212198.0	1.339081	Y
7	ICIS 140-50646/15	2.0	2.675382	4.8	216764.0	1.337691	Y
8	IC 140-50646/7	4.0	4.975094	4.8	248836.0	1.243773	Y
9	IC 140-50646/5	8.0	9.730725	4.8	242745.0	1.216341	Y
10	IC 140-50646/3	16.0	18.992661	4.8	220902.0	1.187041	Y



Calibration

/ 3-Chloro-1-propene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

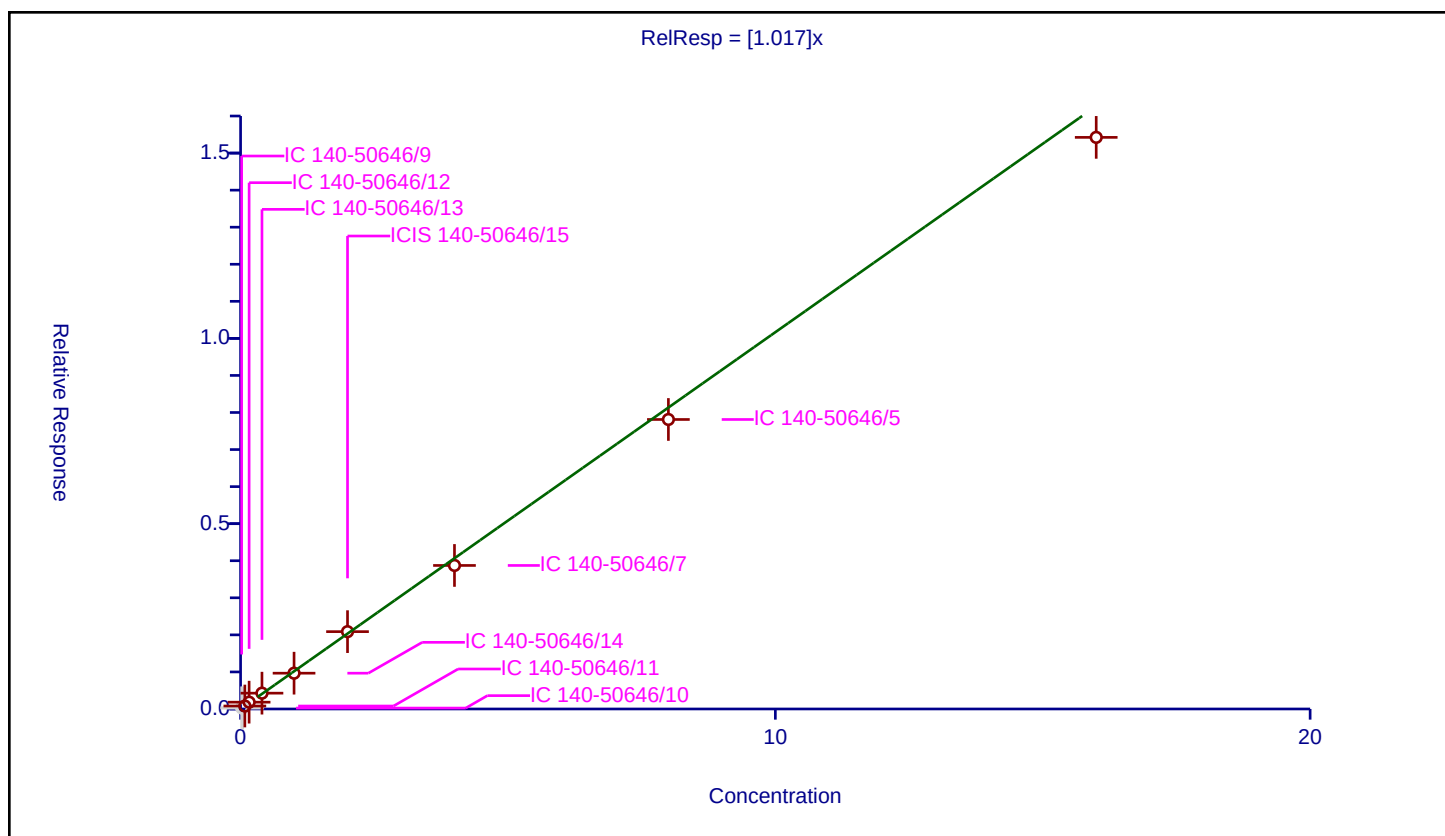
Curve Coefficients

Intercept: 0
Slope: 1.017

Error Coefficients

Standard Error: 319000
Relative Standard Error: 6.5
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.032026	4.8	233807.0	1.601321	N
2	IC 140-50646/10	0.04	0.025181	4.8	216166.0	0.629516	N
3	IC 140-50646/11	0.08	0.079954	4.8	206580.0	0.999419	Y
4	IC 140-50646/12	0.16	0.183707	4.8	198237.0	1.148171	Y
5	IC 140-50646/13	0.4	0.427166	4.8	204286.0	1.067915	Y
6	IC 140-50646/14	1.0	0.965777	4.8	212198.0	0.965777	Y
7	ICIS 140-50646/15	2.0	2.086974	4.8	216764.0	1.043487	Y
8	IC 140-50646/7	4.0	3.873124	4.8	248836.0	0.968281	Y
9	IC 140-50646/5	8.0	7.811496	4.8	242745.0	0.976437	Y
10	IC 140-50646/3	16.0	15.423853	4.8	220902.0	0.963991	Y



Calibration

/ Carbon disulfide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

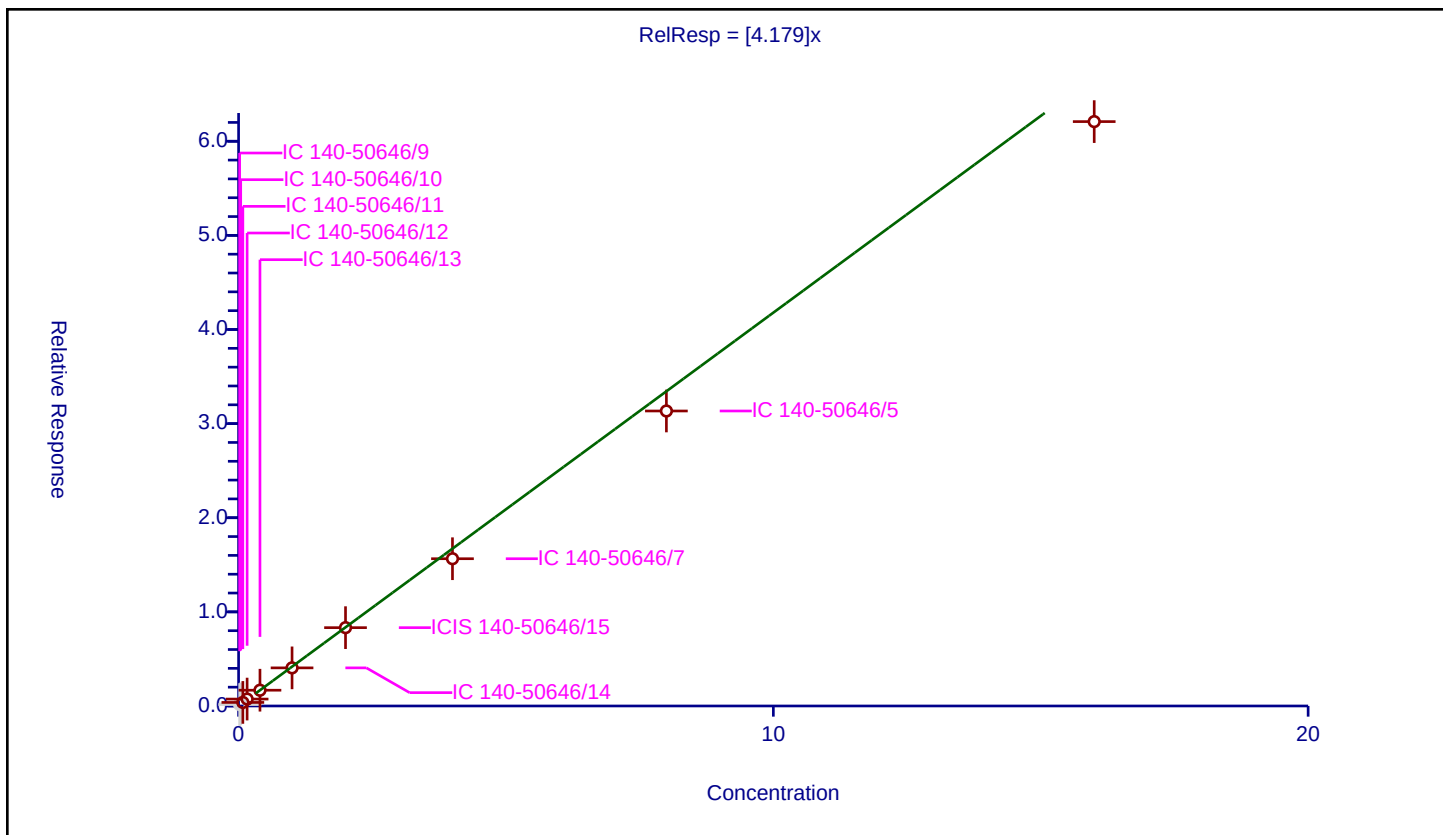
Curve Coefficients

Intercept: 0
 Slope: 4.179

Error Coefficients

Standard Error: 1280000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.155123	4.8	233807.0	7.756141	N
2	IC 140-50646/10	0.04	0.225915	4.8	216166.0	5.647882	N
3	IC 140-50646/11	0.08	0.379181	4.8	206580.0	4.739762	Y
4	IC 140-50646/12	0.16	0.73403	4.8	198237.0	4.58769	Y
5	IC 140-50646/13	0.4	1.674922	4.8	204286.0	4.187306	Y
6	IC 140-50646/14	1.0	4.048732	4.8	212198.0	4.048732	Y
7	ICIS 140-50646/15	2.0	8.321367	4.8	216764.0	4.160684	Y
8	IC 140-50646/7	4.0	15.64483	4.8	248836.0	3.911207	Y
9	IC 140-50646/5	8.0	31.342006	4.8	242745.0	3.917751	Y
10	IC 140-50646/3	16.0	62.087709	4.8	220902.0	3.880482	Y



Calibration

/ trans-1,2-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

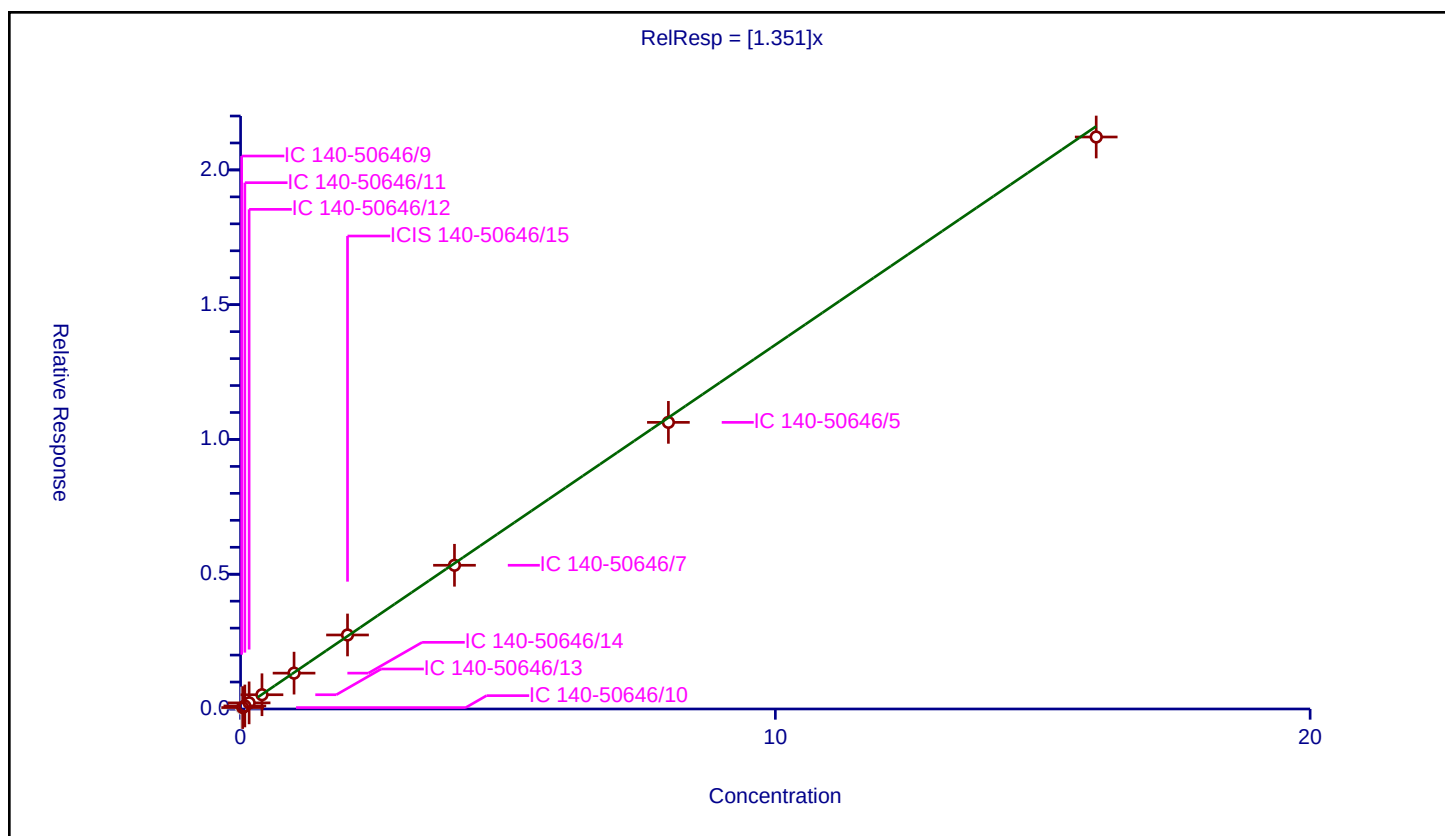
Curve Coefficients

Intercept: 0
 Slope: 1.351

Error Coefficients

Standard Error: 409000
 Relative Standard Error: 2.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.035558	4.8	233807.0	1.777877	N
2	IC 140-50646/10	0.04	0.05307	4.8	216166.0	1.326758	Y
3	IC 140-50646/11	0.08	0.111856	4.8	206580.0	1.398199	Y
4	IC 140-50646/12	0.16	0.227388	4.8	198237.0	1.421178	Y
5	IC 140-50646/13	0.4	0.528976	4.8	204286.0	1.32244	Y
6	IC 140-50646/14	1.0	1.330395	4.8	212198.0	1.330395	Y
7	ICIS 140-50646/15	2.0	2.746176	4.8	216764.0	1.373088	Y
8	IC 140-50646/7	4.0	5.332245	4.8	248836.0	1.333061	Y
9	IC 140-50646/5	8.0	10.633855	4.8	242745.0	1.329232	Y
10	IC 140-50646/3	16.0	21.221566	4.8	220902.0	1.326348	Y



Calibration

/ 2-Methylpentane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

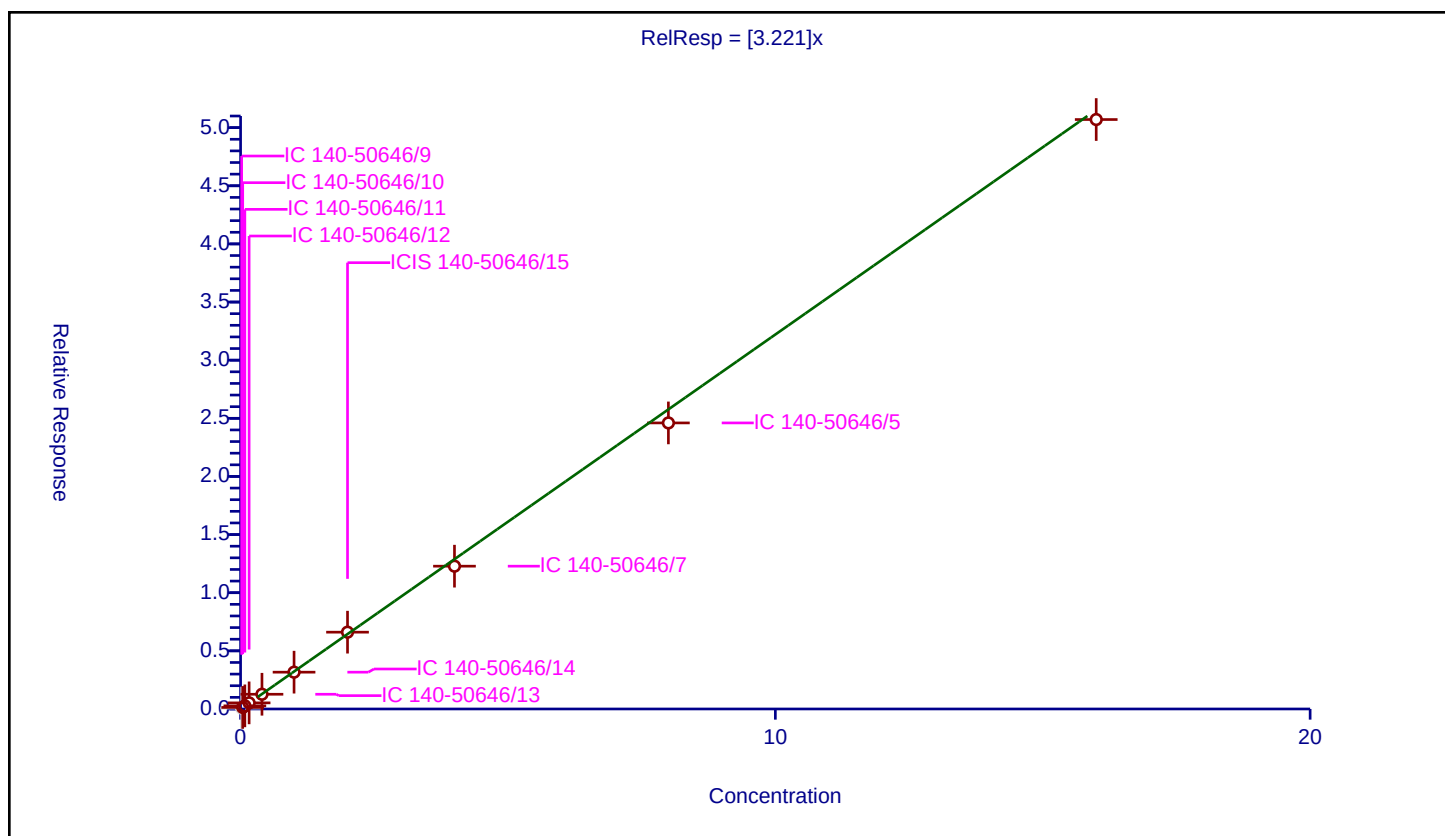
Curve Coefficients

Intercept: 0
Slope: 3.221

Error Coefficients

Standard Error: 969000
Relative Standard Error: 3.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.079081	4.8	233807.0	3.95403	N
2	IC 140-50646/10	0.04	0.135118	4.8	216166.0	3.37796	Y
3	IC 140-50646/11	0.08	0.269579	4.8	206580.0	3.369736	Y
4	IC 140-50646/12	0.16	0.525577	4.8	198237.0	3.284856	Y
5	IC 140-50646/13	0.4	1.268269	4.8	204286.0	3.170672	Y
6	IC 140-50646/14	1.0	3.165089	4.8	212198.0	3.165089	Y
7	ICIS 140-50646/15	2.0	6.607097	4.8	216764.0	3.303549	Y
8	IC 140-50646/7	4.0	12.283232	4.8	248836.0	3.070808	Y
9	IC 140-50646/5	8.0	24.60324	4.8	242745.0	3.075405	Y
10	IC 140-50646/3	16.0	50.696841	4.8	220902.0	3.168553	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

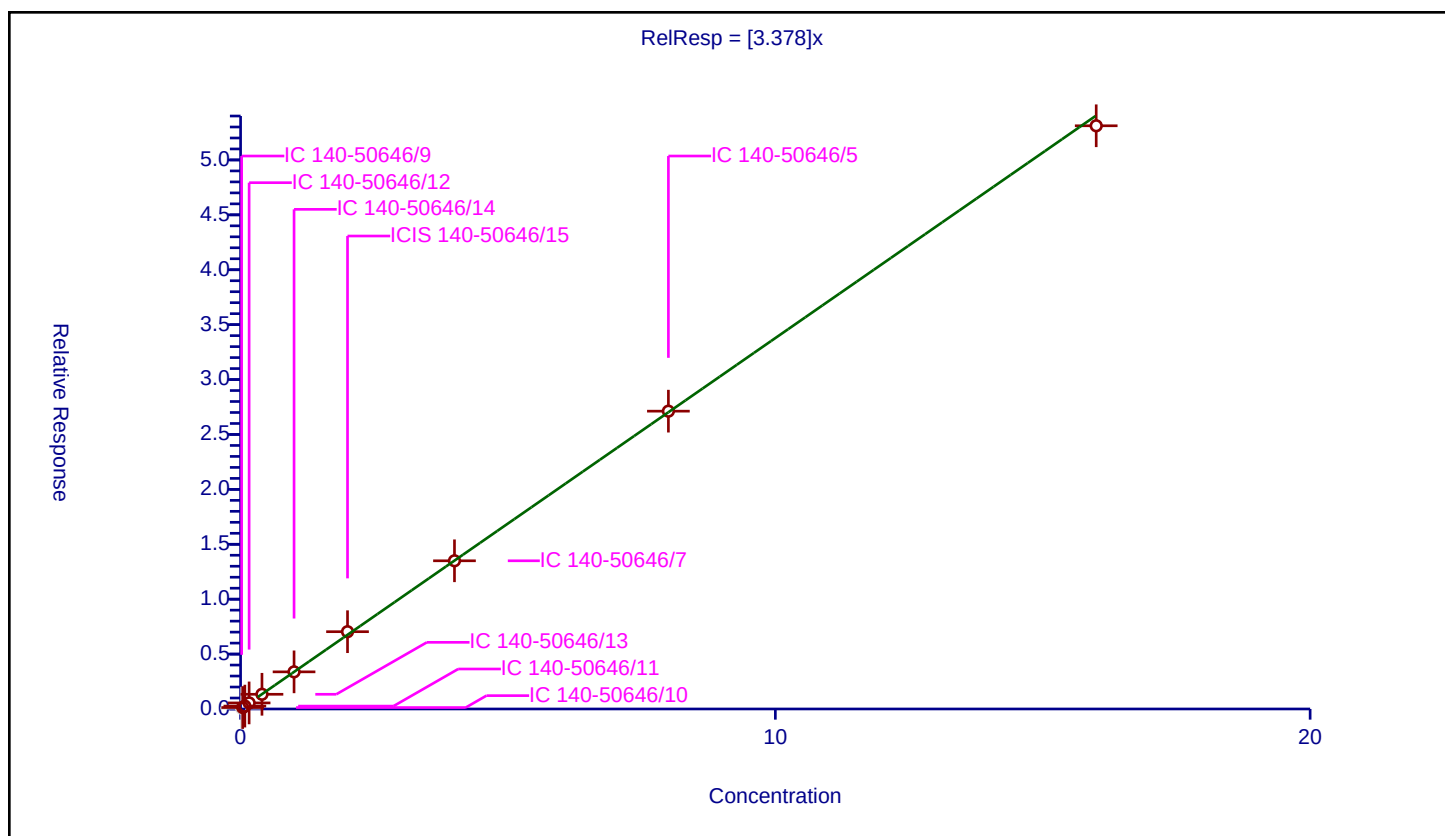
Curve Coefficients

Intercept: 0
Slope: 3.378

Error Coefficients

Standard Error: 1030000
Relative Standard Error: 2.1
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.075467	4.8	233807.0	3.773369	N
2	IC 140-50646/10	0.04	0.132631	4.8	216166.0	3.315785	Y
3	IC 140-50646/11	0.08	0.264258	4.8	206580.0	3.303224	Y
4	IC 140-50646/12	0.16	0.551413	4.8	198237.0	3.446329	Y
5	IC 140-50646/13	0.4	1.340004	4.8	204286.0	3.350009	Y
6	IC 140-50646/14	1.0	3.381566	4.8	212198.0	3.381566	Y
7	ICIS 140-50646/15	2.0	7.039944	4.8	216764.0	3.519972	Y
8	IC 140-50646/7	4.0	13.495983	4.8	248836.0	3.373996	Y
9	IC 140-50646/5	8.0	27.121518	4.8	242745.0	3.39019	Y
10	IC 140-50646/3	16.0	53.110922	4.8	220902.0	3.319433	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

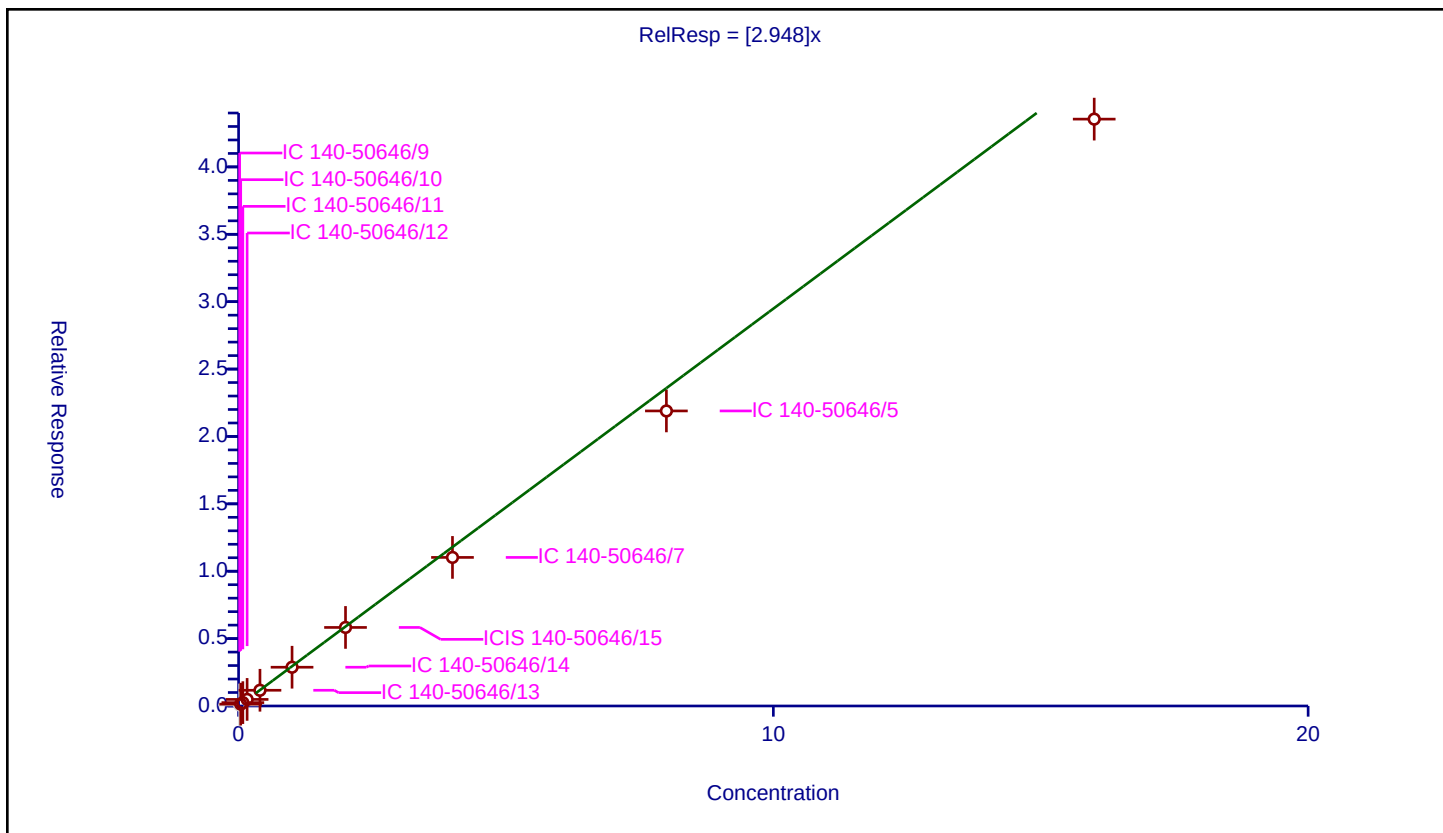
Curve Coefficients

Intercept: 0
 Slope: 2.948

Error Coefficients

Standard Error: 841000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.077397	4.8	233807.0	3.869858	N
2	IC 140-50646/10	0.04	0.137117	4.8	216166.0	3.427921	Y
3	IC 140-50646/11	0.08	0.250874	4.8	206580.0	3.135928	Y
4	IC 140-50646/12	0.16	0.487973	4.8	198237.0	3.049834	Y
5	IC 140-50646/13	0.4	1.165942	4.8	204286.0	2.914855	Y
6	IC 140-50646/14	1.0	2.876023	4.8	212198.0	2.876023	Y
7	ICIS 140-50646/15	2.0	5.829049	4.8	216764.0	2.914525	Y
8	IC 140-50646/7	4.0	11.024823	4.8	248836.0	2.756206	Y
9	IC 140-50646/5	8.0	21.892643	4.8	242745.0	2.73658	Y
10	IC 140-50646/3	16.0	43.546709	4.8	220902.0	2.721669	Y



Calibration

/ Vinyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

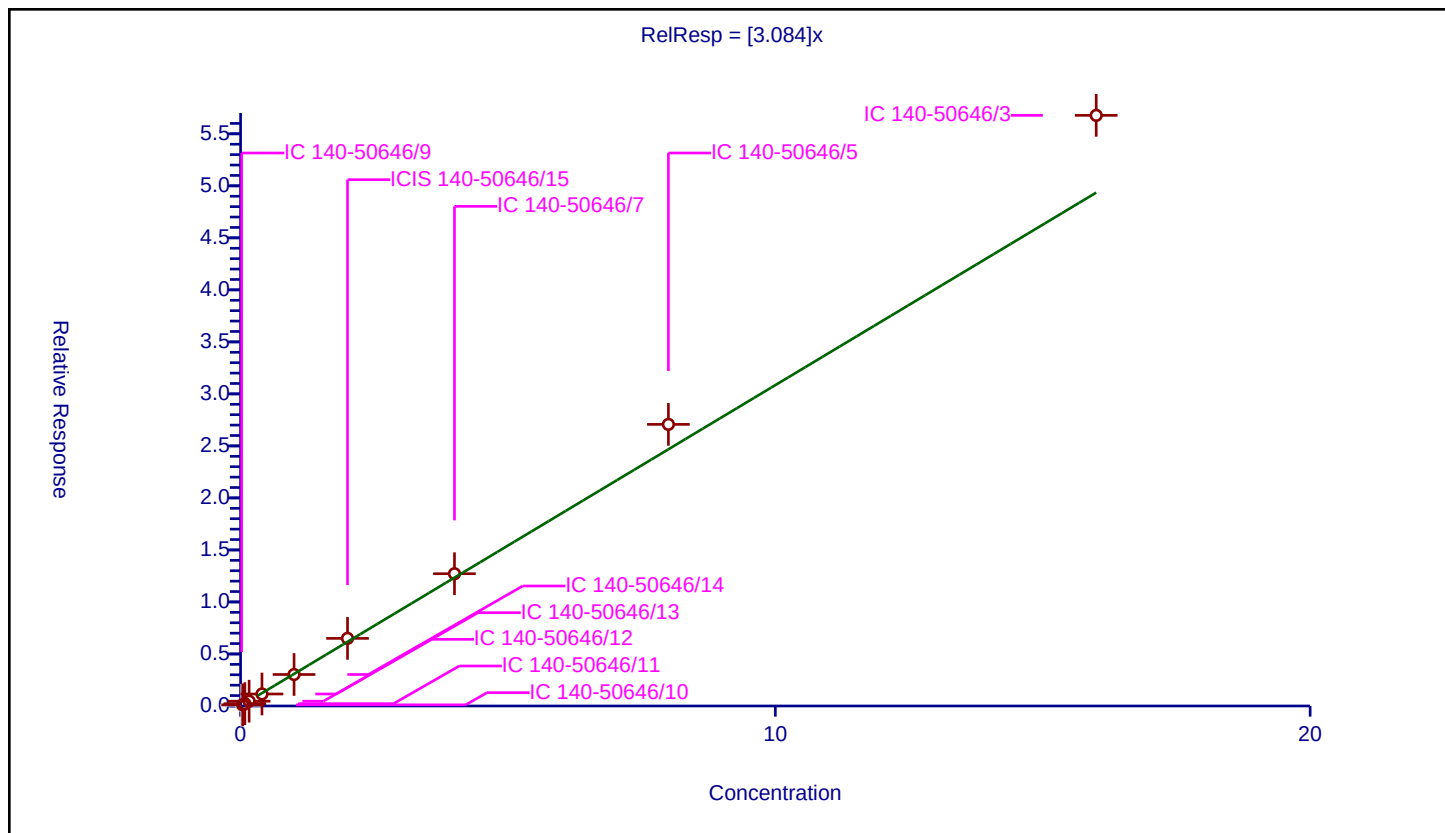
Curve Coefficients

Intercept: 0
Slope: 3.084

Error Coefficients

Standard Error: 1070000
Relative Standard Error: 8.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.068528	4.8	233807.0	3.426416	N
2	IC 140-50646/10	0.04	0.112491	4.8	216166.0	2.812283	Y
3	IC 140-50646/11	0.08	0.224014	4.8	206580.0	2.800174	Y
4	IC 140-50646/12	0.16	0.46083	4.8	198237.0	2.880189	Y
5	IC 140-50646/13	0.4	1.152314	4.8	204286.0	2.880785	Y
6	IC 140-50646/14	1.0	3.024933	4.8	212198.0	3.024933	Y
7	ICIS 140-50646/15	2.0	6.499943	4.8	216764.0	3.249971	Y
8	IC 140-50646/7	4.0	12.714225	4.8	248836.0	3.178556	Y
9	IC 140-50646/5	8.0	27.071253	4.8	242745.0	3.383907	Y
10	IC 140-50646/3	16.0	56.773556	4.8	220902.0	3.548347	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

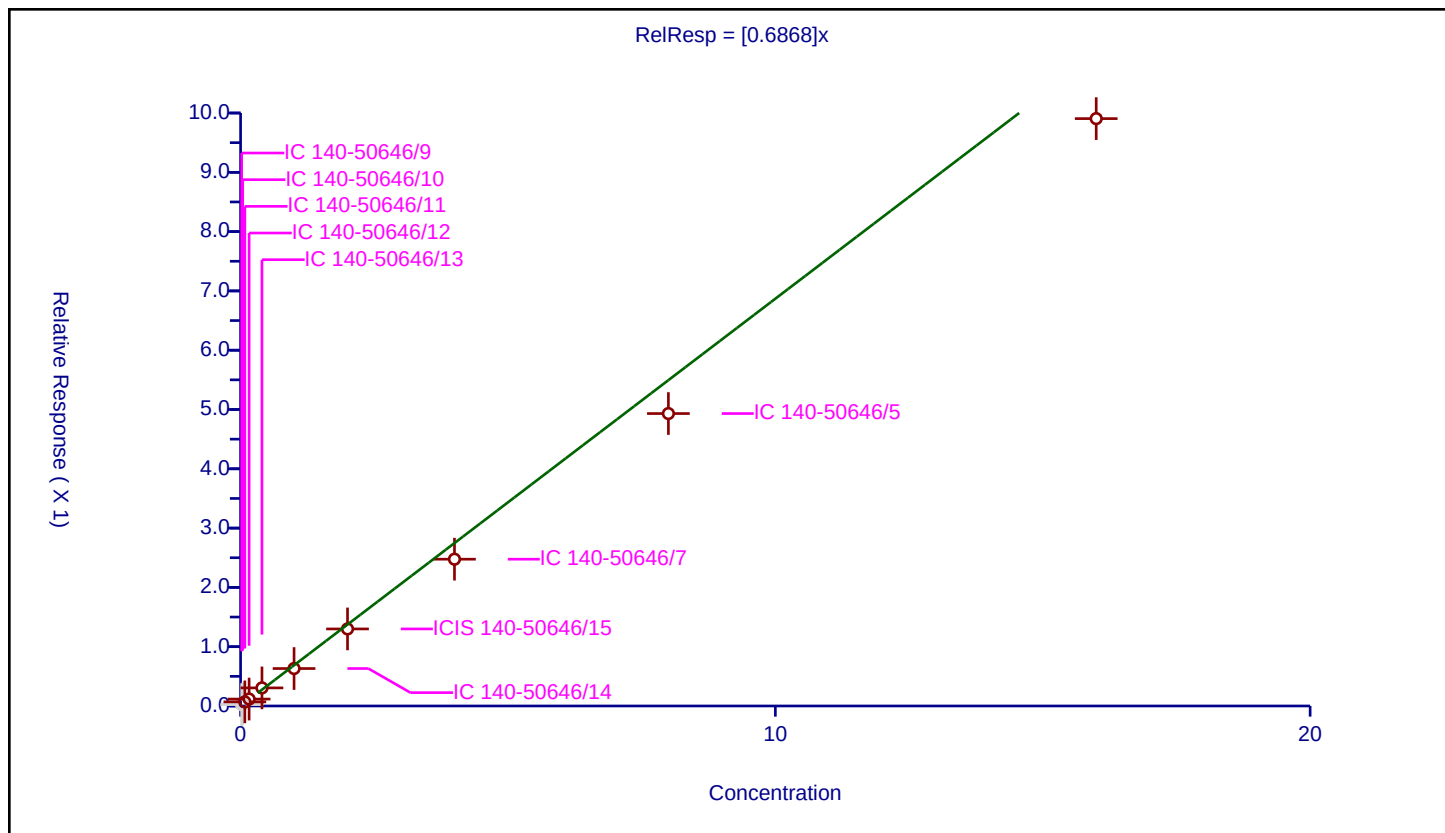
Curve Coefficients

Intercept: 0
 Slope: 0.6868

Error Coefficients

Standard Error: 204000
 Relative Standard Error: 13.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.023117	4.8	233807.0	1.155825	N
2	IC 140-50646/10	0.04	0.034729	4.8	216166.0	0.868222	N
3	IC 140-50646/11	0.08	0.069405	4.8	206580.0	0.867557	Y
4	IC 140-50646/12	0.16	0.116636	4.8	198237.0	0.728976	Y
5	IC 140-50646/13	0.4	0.304961	4.8	204286.0	0.762402	Y
6	IC 140-50646/14	1.0	0.631448	4.8	212198.0	0.631448	Y
7	ICIS 140-50646/15	2.0	1.299559	4.8	216764.0	0.649779	Y
8	IC 140-50646/7	4.0	2.475655	4.8	248836.0	0.618914	Y
9	IC 140-50646/5	8.0	4.931714	4.8	242745.0	0.616464	Y
10	IC 140-50646/3	16.0	9.905446	4.8	220902.0	0.61909	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

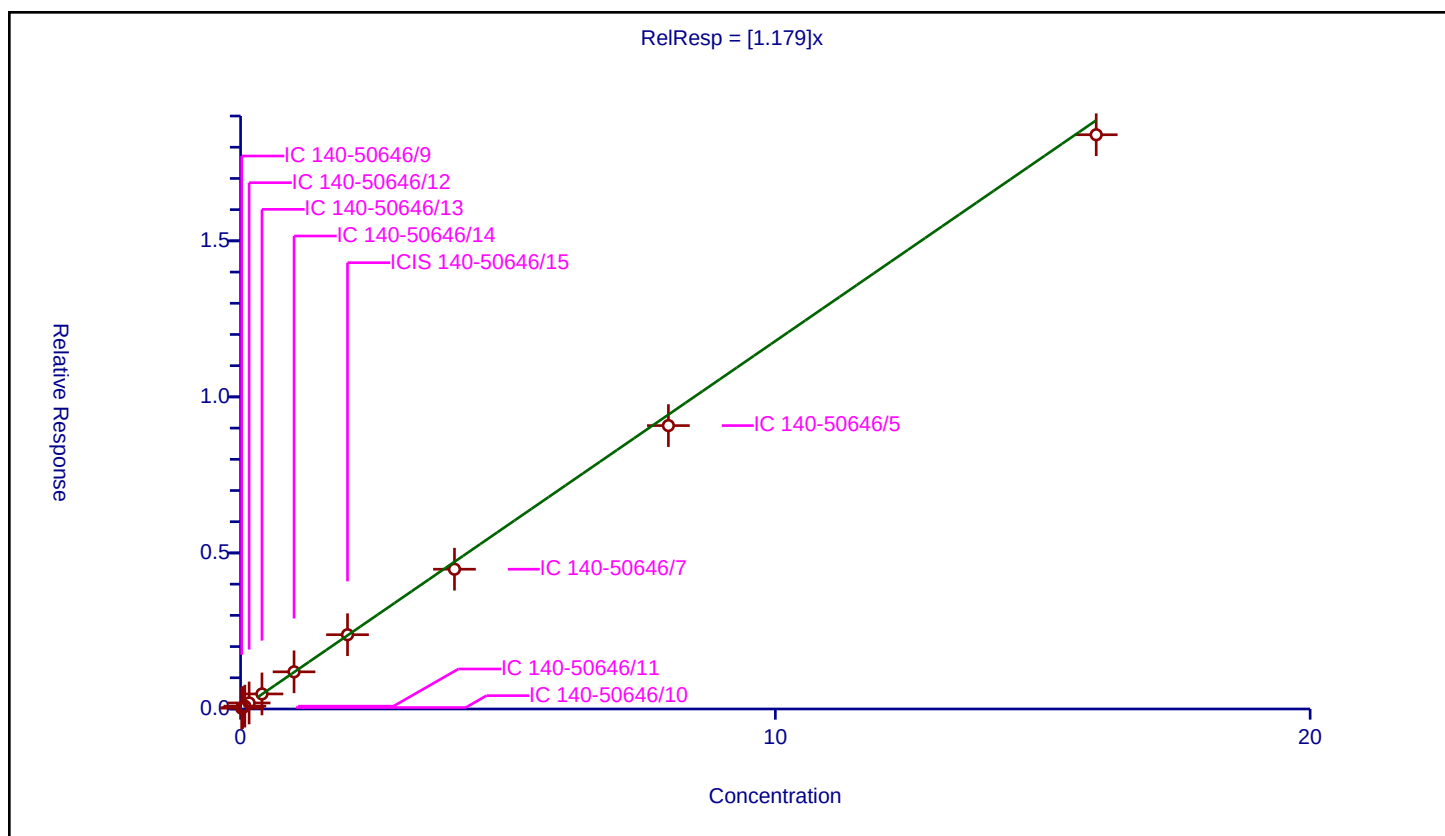
Curve Coefficients

Intercept: 0
Slope: 1.179

Error Coefficients

Standard Error: 333000
Relative Standard Error: 4.2
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.025744	4.8	233807.0	1.287216	Y
2	IC 140-50646/10	0.04	0.046742	4.8	216166.0	1.168546	Y
3	IC 140-50646/11	0.08	0.090805	4.8	206580.0	1.135057	Y
4	IC 140-50646/12	0.16	0.193247	4.8	198237.0	1.207797	Y
5	IC 140-50646/13	0.4	0.481983	4.8	204286.0	1.204958	Y
6	IC 140-50646/14	1.0	1.190714	4.8	212198.0	1.190714	Y
7	ICIS 140-50646/15	2.0	2.379827	4.8	216764.0	1.189913	Y
8	IC 140-50646/7	4.0	4.478535	4.8	248836.0	1.119634	Y
9	IC 140-50646/5	8.0	9.080877	4.8	242745.0	1.13511	Y
10	IC 140-50646/3	16.0	18.399913	4.8	220902.0	1.149995	Y



Calibration

/ cis-1,2-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

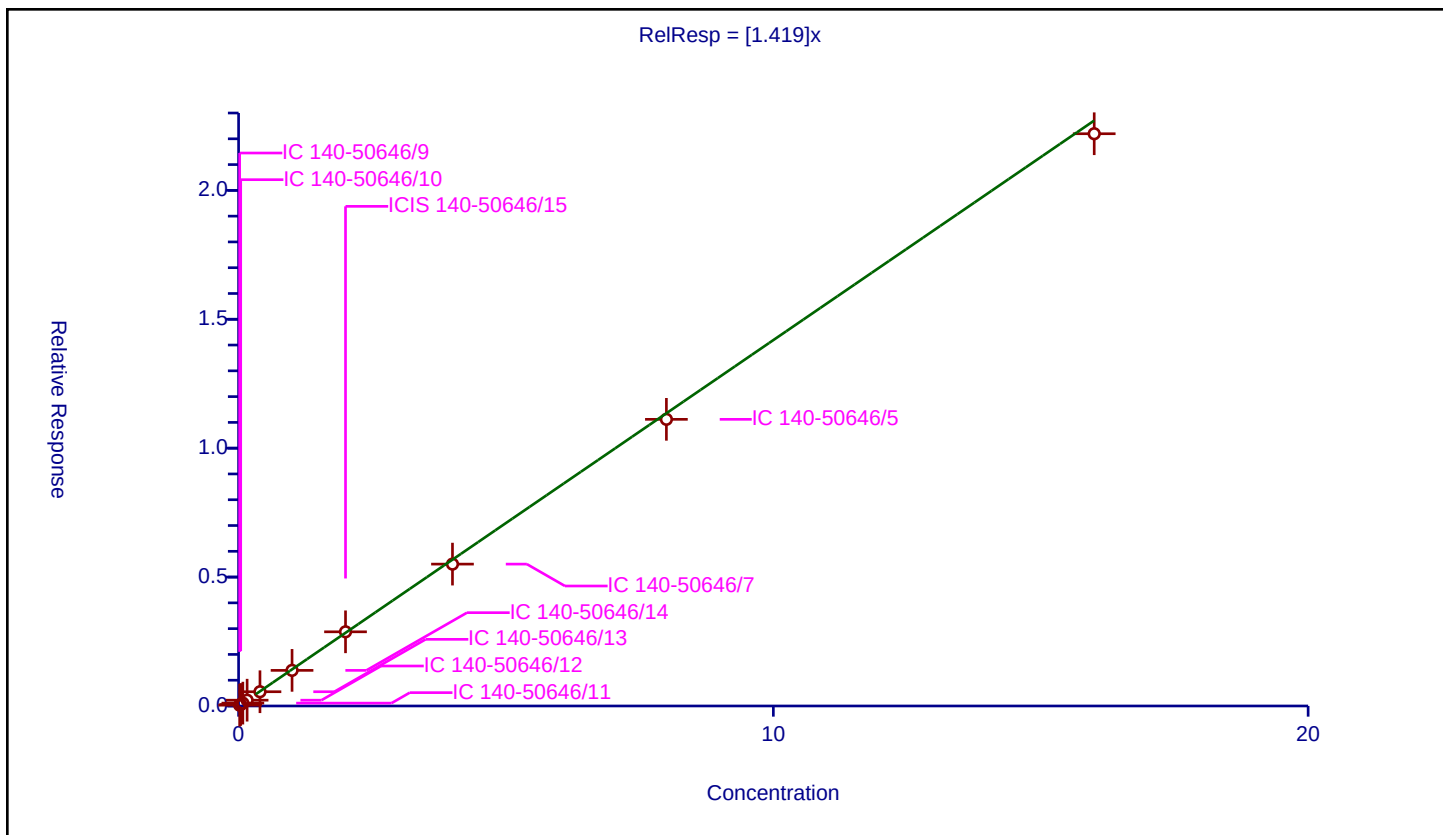
Curve Coefficients

Intercept: 0
 Slope: 1.419

Error Coefficients

Standard Error: 403000
 Relative Standard Error: 4.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.031472	4.8	233807.0	1.573606	Y
2	IC 140-50646/10	0.04	0.058533	4.8	216166.0	1.46332	Y
3	IC 140-50646/11	0.08	0.11167	4.8	206580.0	1.395876	Y
4	IC 140-50646/12	0.16	0.224677	4.8	198237.0	1.404228	Y
5	IC 140-50646/13	0.4	0.553013	4.8	204286.0	1.382532	Y
6	IC 140-50646/14	1.0	1.380861	4.8	212198.0	1.380861	Y
7	ICIS 140-50646/15	2.0	2.877511	4.8	216764.0	1.438756	Y
8	IC 140-50646/7	4.0	5.502998	4.8	248836.0	1.375749	Y
9	IC 140-50646/5	8.0	11.118433	4.8	242745.0	1.389804	Y
10	IC 140-50646/3	16.0	22.196833	4.8	220902.0	1.387302	Y



Calibration

/ Ethyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

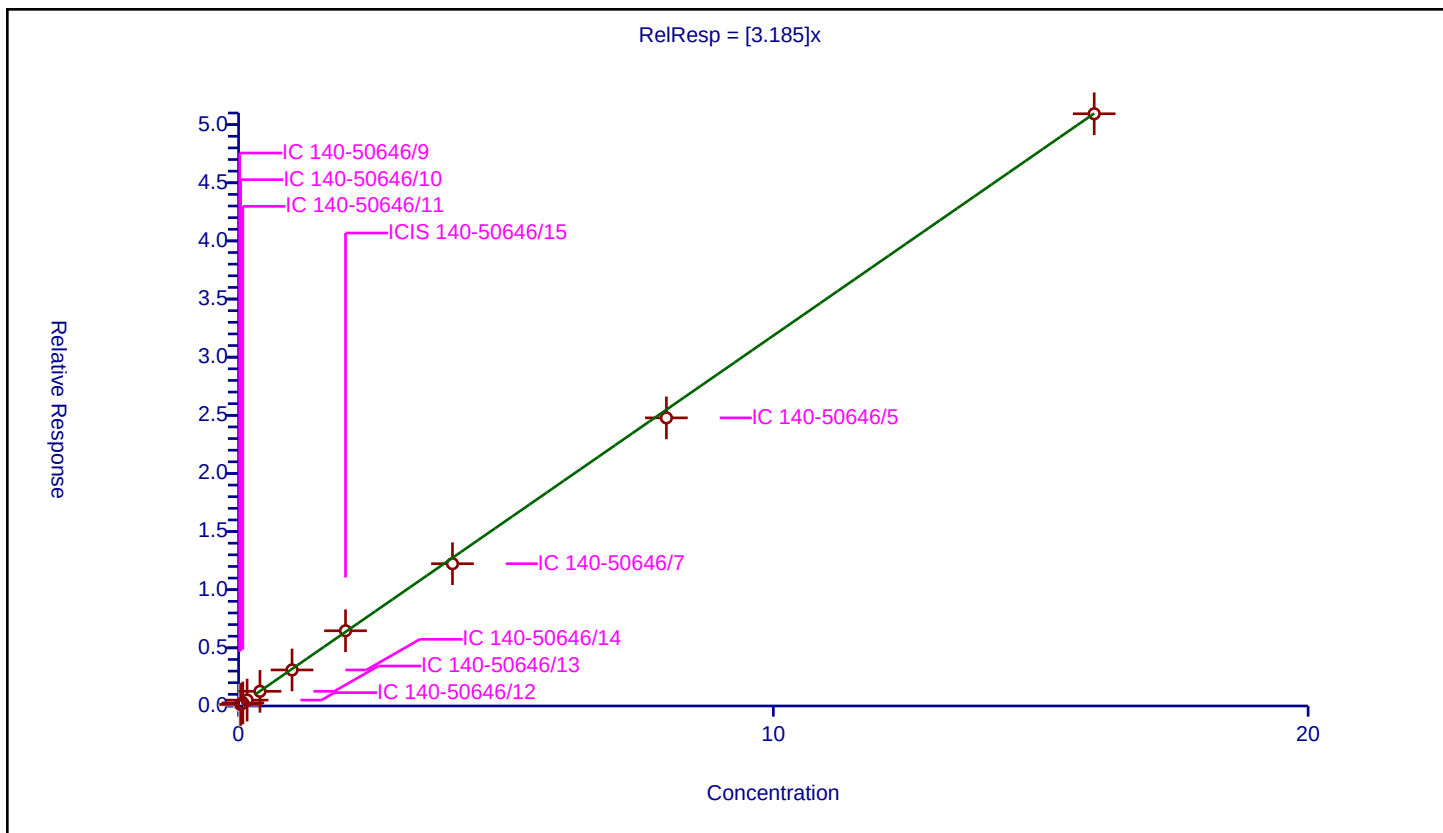
Curve Coefficients

Intercept: 0
 Slope: 3.185

Error Coefficients

Standard Error: 973000
 Relative Standard Error: 3.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.076843	4.8	233807.0	3.842143	N
2	IC 140-50646/10	0.04	0.135873	4.8	216166.0	3.396834	Y
3	IC 140-50646/11	0.08	0.261958	4.8	206580.0	3.27447	Y
4	IC 140-50646/12	0.16	0.506521	4.8	198237.0	3.165756	Y
5	IC 140-50646/13	0.4	1.262512	4.8	204286.0	3.156281	Y
6	IC 140-50646/14	1.0	3.100531	4.8	212198.0	3.100531	Y
7	ICIS 140-50646/15	2.0	6.468853	4.8	216764.0	3.234426	Y
8	IC 140-50646/7	4.0	12.237766	4.8	248836.0	3.059442	Y
9	IC 140-50646/5	8.0	24.780197	4.8	242745.0	3.097525	Y
10	IC 140-50646/3	16.0	50.934927	4.8	220902.0	3.183433	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

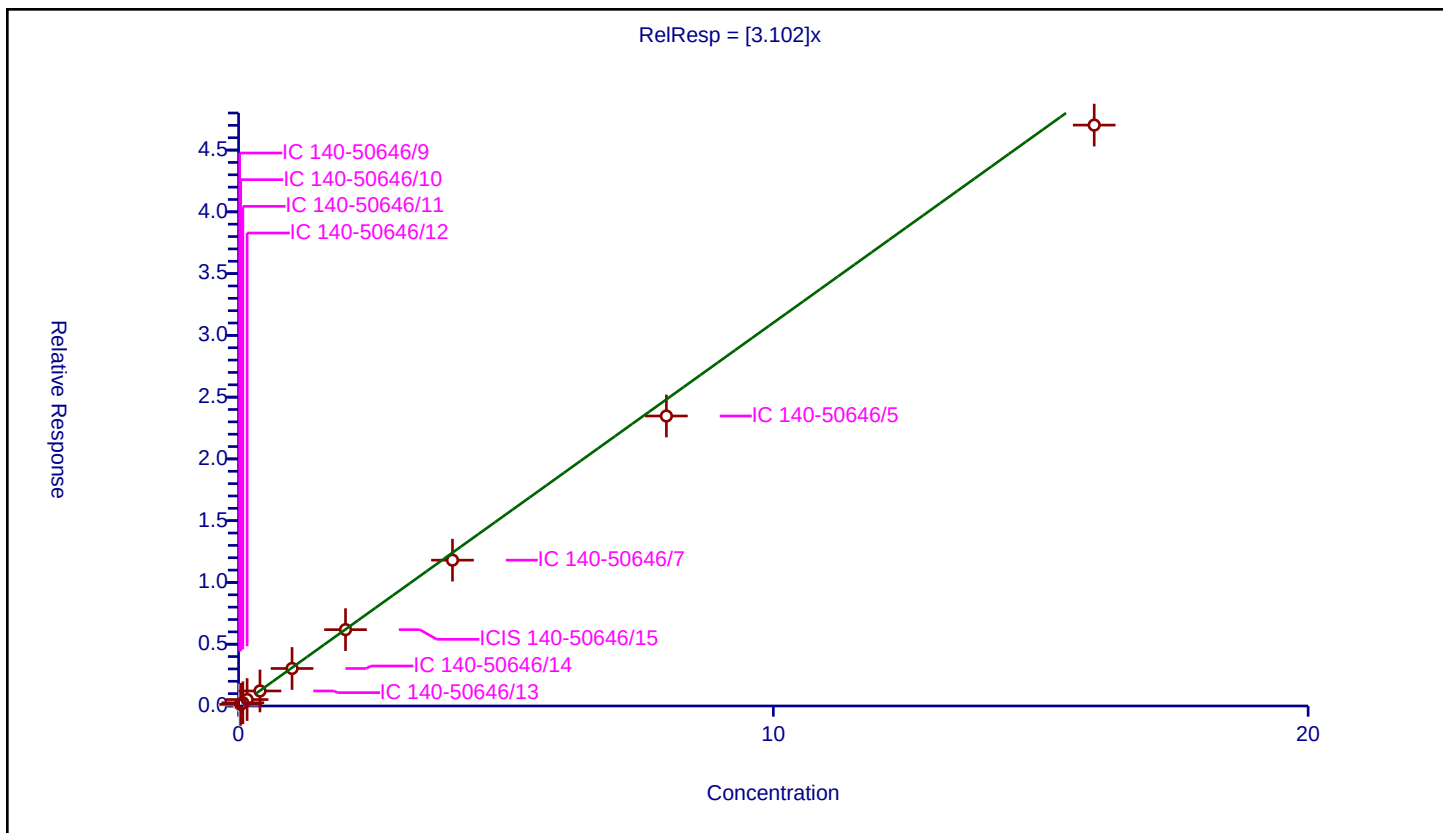
Curve Coefficients

Intercept: 0
Slope: 3.102

Error Coefficients

Standard Error: 906000
Relative Standard Error: 5.4
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.082037	4.8	233807.0	4.101845	N
2	IC 140-50646/10	0.04	0.13554	4.8	216166.0	3.388507	Y
3	IC 140-50646/11	0.08	0.26226	4.8	206580.0	3.278246	Y
4	IC 140-50646/12	0.16	0.521558	4.8	198237.0	3.259735	Y
5	IC 140-50646/13	0.4	1.217399	4.8	204286.0	3.043498	Y
6	IC 140-50646/14	1.0	3.035678	4.8	212198.0	3.035678	Y
7	ICIS 140-50646/15	2.0	6.179764	4.8	216764.0	3.089882	Y
8	IC 140-50646/7	4.0	11.80336	4.8	248836.0	2.95084	Y
9	IC 140-50646/5	8.0	23.473739	4.8	242745.0	2.934217	Y
10	IC 140-50646/3	16.0	47.021213	4.8	220902.0	2.938826	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

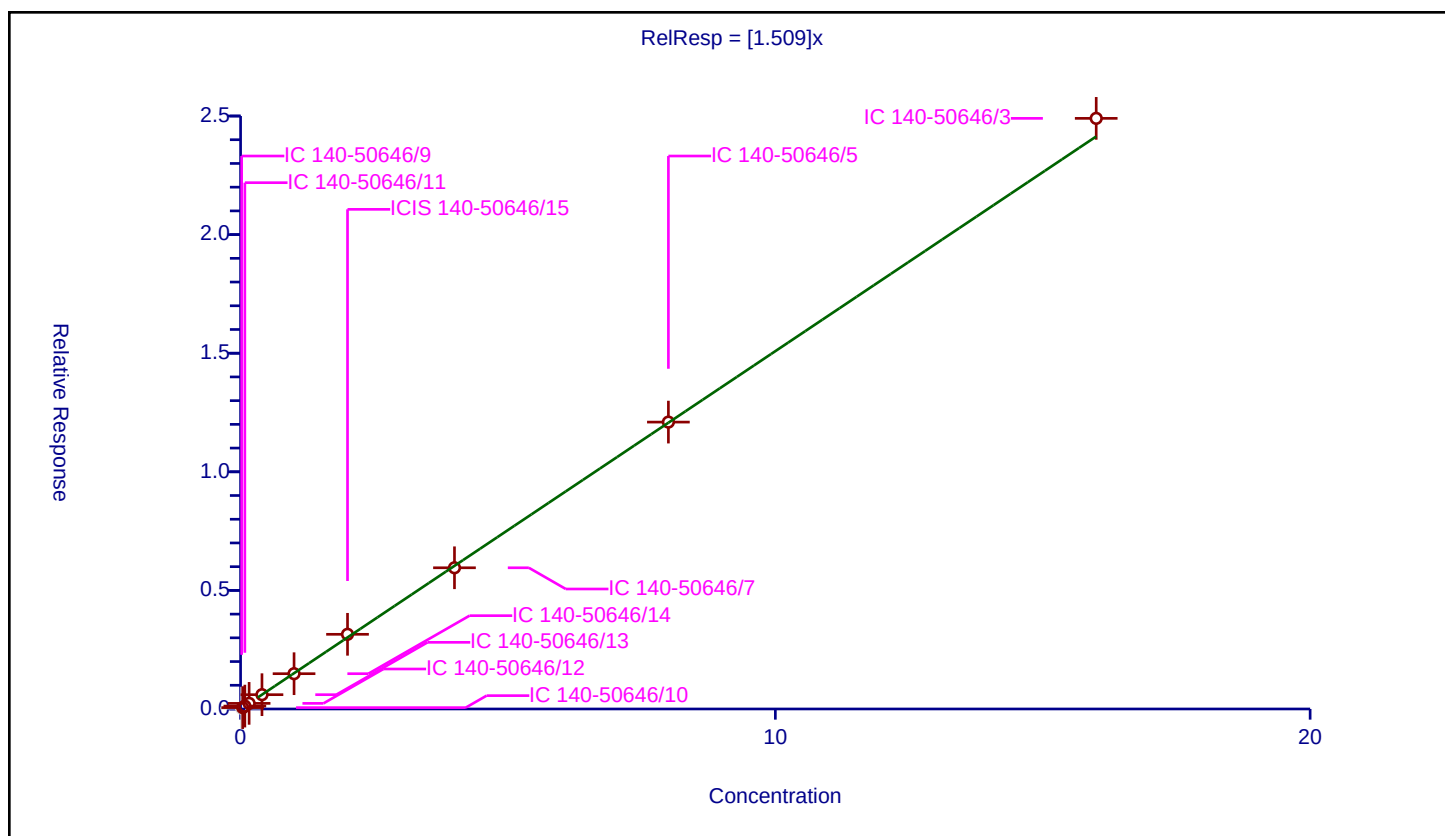
Curve Coefficients

Intercept: 0
Slope: 1.509

Error Coefficients

Standard Error: 475000
Relative Standard Error: 2.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.035701	4.8	233807.0	1.785062	N
2	IC 140-50646/10	0.04	0.057756	4.8	216166.0	1.44389	Y
3	IC 140-50646/11	0.08	0.12208	4.8	206580.0	1.525995	Y
4	IC 140-50646/12	0.16	0.236953	4.8	198237.0	1.480955	Y
5	IC 140-50646/13	0.4	0.603295	4.8	204286.0	1.508238	Y
6	IC 140-50646/14	1.0	1.487743	4.8	212198.0	1.487743	Y
7	ICIS 140-50646/15	2.0	3.148486	4.8	216764.0	1.574243	Y
8	IC 140-50646/7	4.0	5.953338	4.8	248836.0	1.488334	Y
9	IC 140-50646/5	8.0	12.094984	4.8	242745.0	1.511873	Y
10	IC 140-50646/3	16.0	24.900997	4.8	220902.0	1.556312	Y



Calibration

/ 1,1,1-Trichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

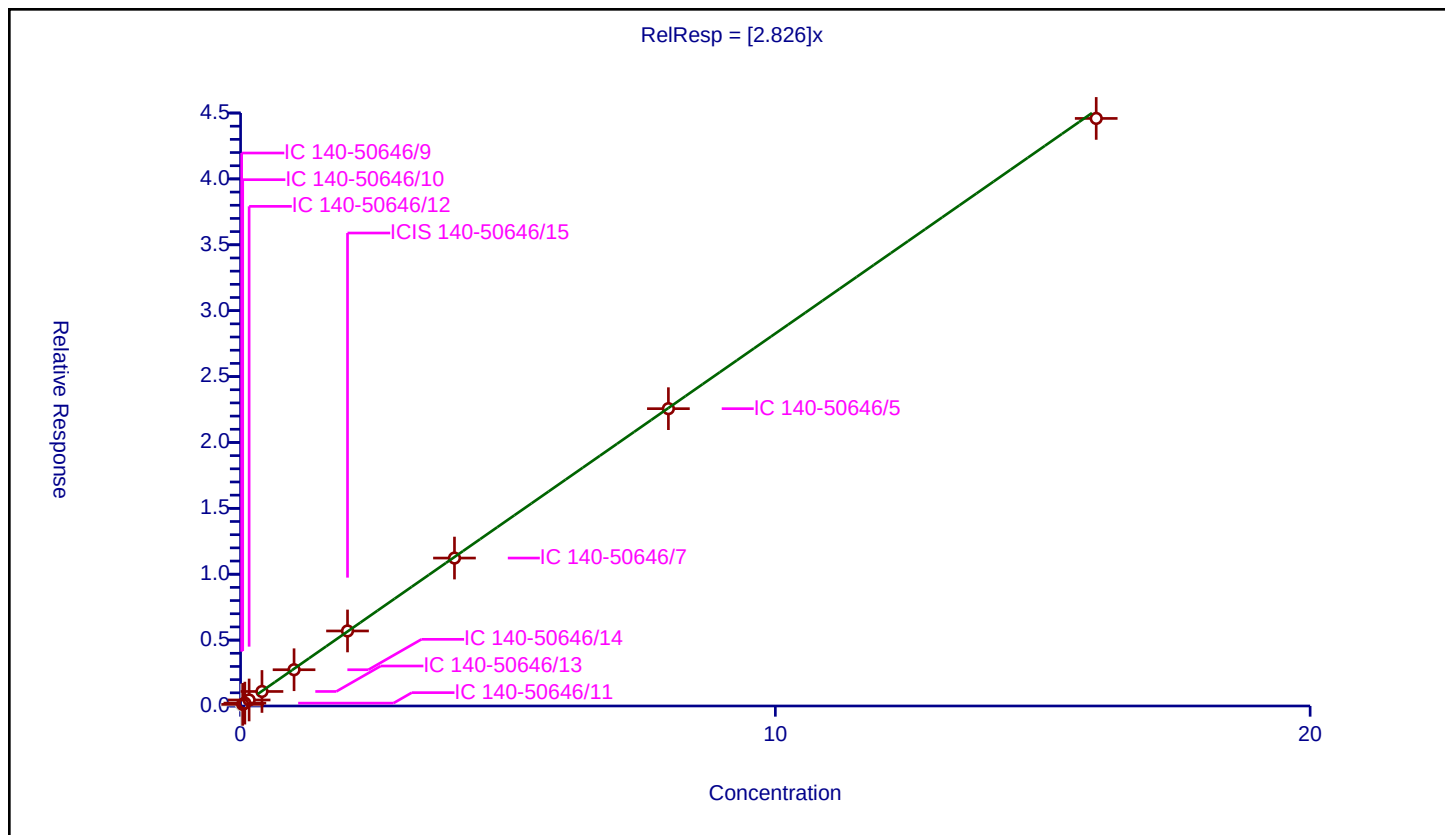
Curve Coefficients

Intercept: 0
 Slope: 2.826

Error Coefficients

Standard Error: 861000
 Relative Standard Error: 4.0
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.074441	4.8	233807.0	3.722044	N
2	IC 140-50646/10	0.04	0.124105	4.8	216166.0	3.102616	Y
3	IC 140-50646/11	0.08	0.217554	4.8	206580.0	2.719431	Y
4	IC 140-50646/12	0.16	0.45623	4.8	198237.0	2.851435	Y
5	IC 140-50646/13	0.4	1.101703	4.8	204286.0	2.754256	Y
6	IC 140-50646/14	1.0	2.750231	4.8	212198.0	2.750231	Y
7	ICIS 140-50646/15	2.0	5.692842	4.8	216764.0	2.846421	Y
8	IC 140-50646/7	4.0	11.225938	4.8	248836.0	2.806485	Y
9	IC 140-50646/5	8.0	22.563688	4.8	242745.0	2.820461	Y
10	IC 140-50646/3	16.0	44.589988	4.8	220902.0	2.786874	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

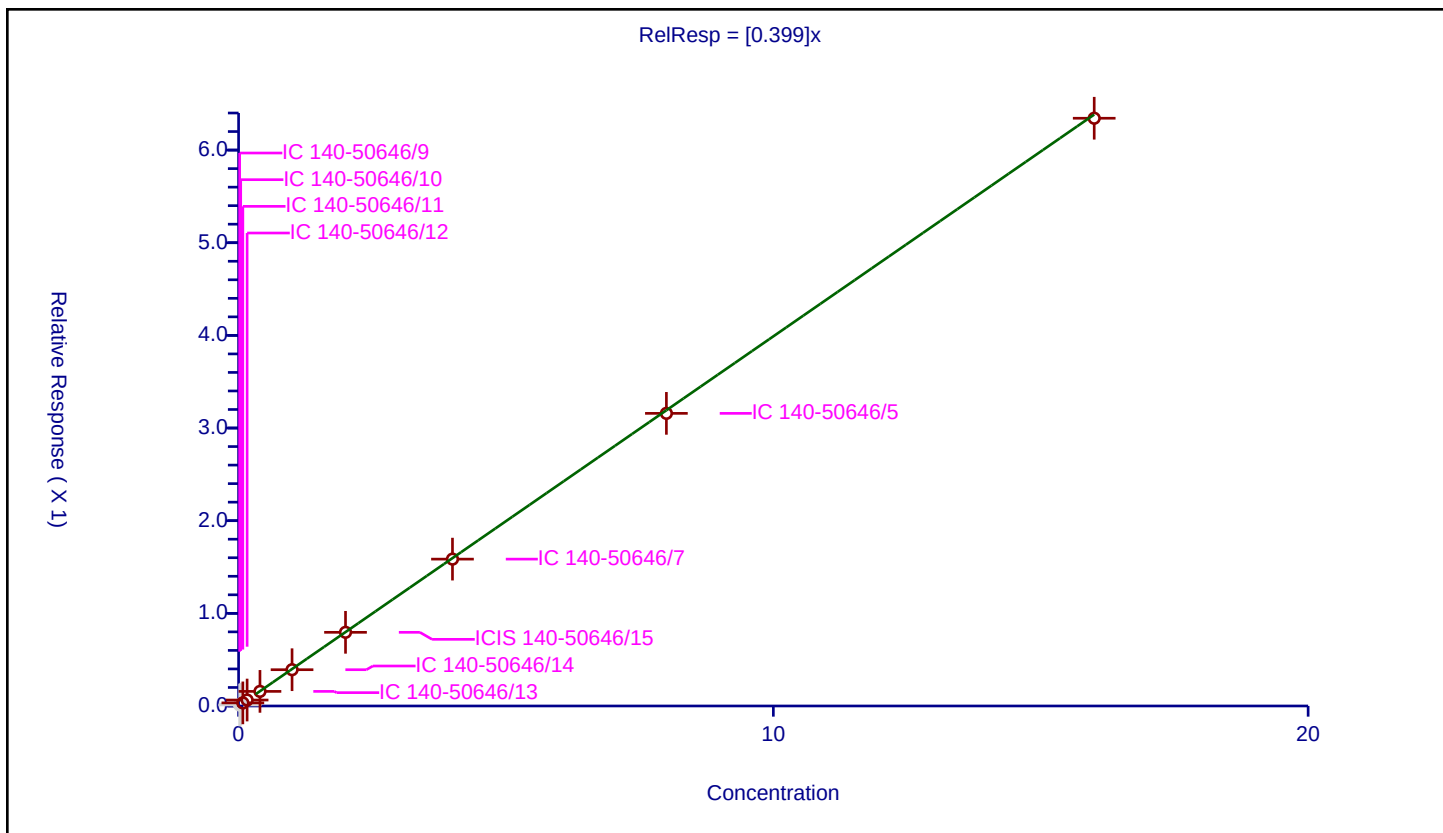
Curve Coefficients

Intercept: 0
Slope: 0.399

Error Coefficients

Standard Error: 631000
Relative Standard Error: 2.1
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.010667	4.8	1151515.0	0.53335	N
2	IC 140-50646/10	0.04	0.019103	4.8	1068658.0	0.477571	N
3	IC 140-50646/11	0.08	0.033465	4.8	1019100.0	0.41831	Y
4	IC 140-50646/12	0.16	0.064445	4.8	1000141.0	0.402783	Y
5	IC 140-50646/13	0.4	0.157631	4.8	1039626.0	0.394076	Y
6	IC 140-50646/14	1.0	0.391496	4.8	1057775.0	0.391496	Y
7	ICIS 140-50646/15	2.0	0.795089	4.8	1091989.0	0.397545	Y
8	IC 140-50646/7	4.0	1.58501	4.8	1213744.0	0.396253	Y
9	IC 140-50646/5	8.0	3.158223	4.8	1188188.0	0.394778	Y
10	IC 140-50646/3	16.0	6.34348	4.8	1062554.0	0.396467	Y



Calibration

/ n-Butanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

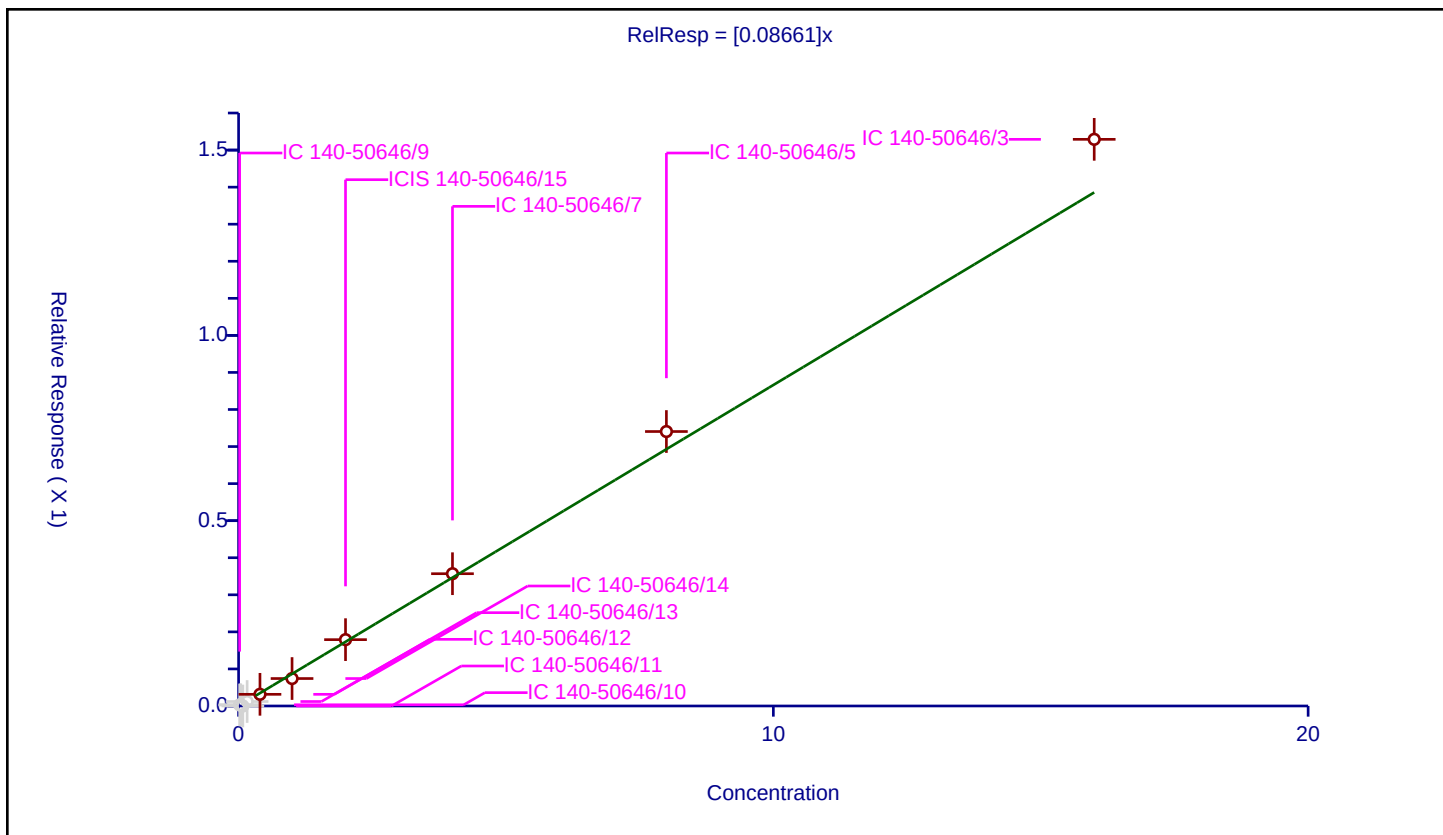
Curve Coefficients

Intercept: 0
 Slope: 0.08661

Error Coefficients

Standard Error: 178000
 Relative Standard Error: 9.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.002868	4.8	1151515.0	0.143394	N
2	IC 140-50646/10	0.04	0.003274	4.8	1068658.0	0.08186	N
3	IC 140-50646/11	0.08	0.0	4.8	1019100.0	0.0	N
4	IC 140-50646/12	0.16	0.01208	4.8	1000141.0	0.075499	N
5	IC 140-50646/13	0.4	0.031479	4.8	1039626.0	0.078698	Y
6	IC 140-50646/14	1.0	0.074098	4.8	1057775.0	0.074098	Y
7	ICIS 140-50646/15	2.0	0.178956	4.8	1091989.0	0.089478	Y
8	IC 140-50646/7	4.0	0.356908	4.8	1213744.0	0.089227	Y
9	IC 140-50646/5	8.0	0.740578	4.8	1188188.0	0.092572	Y
10	IC 140-50646/3	16.0	1.528997	4.8	1062554.0	0.095562	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

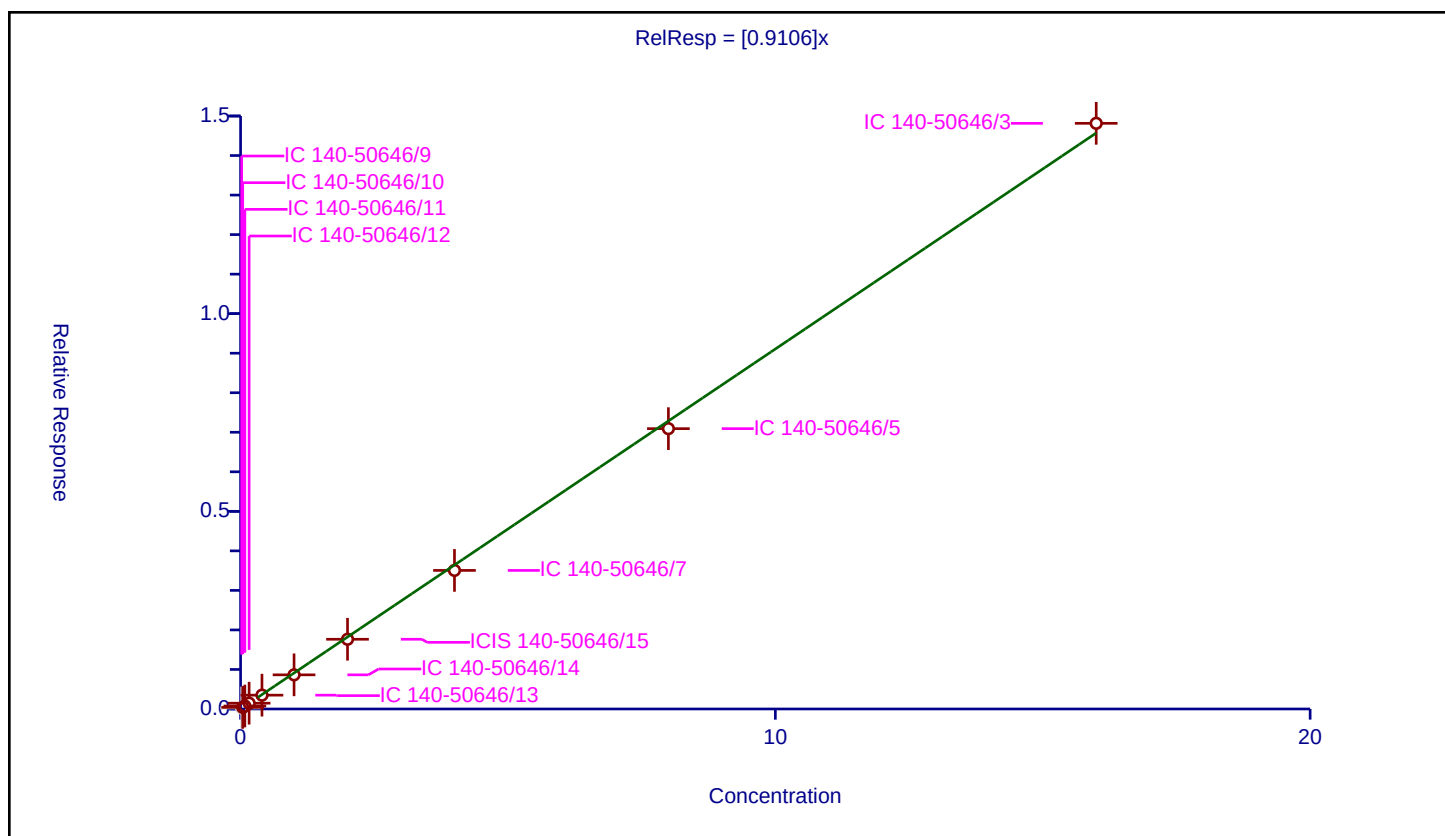
Curve Coefficients

Intercept: 0
Slope: 0.9106

Error Coefficients

Standard Error: 1360000
Relative Standard Error: 5.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.026928	4.8	1151515.0	1.3464	N
2	IC 140-50646/10	0.04	0.04108	4.8	1068658.0	1.027008	Y
3	IC 140-50646/11	0.08	0.075342	4.8	1019100.0	0.941772	Y
4	IC 140-50646/12	0.16	0.146802	4.8	1000141.0	0.917511	Y
5	IC 140-50646/13	0.4	0.349917	4.8	1039626.0	0.874792	Y
6	IC 140-50646/14	1.0	0.863971	4.8	1057775.0	0.863971	Y
7	ICIS 140-50646/15	2.0	1.763802	4.8	1091989.0	0.881901	Y
8	IC 140-50646/7	4.0	3.505233	4.8	1213744.0	0.876308	Y
9	IC 140-50646/5	8.0	7.091375	4.8	1188188.0	0.886422	Y
10	IC 140-50646/3	16.0	14.815164	4.8	1062554.0	0.925948	Y



Calibration

/ Cyclohexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

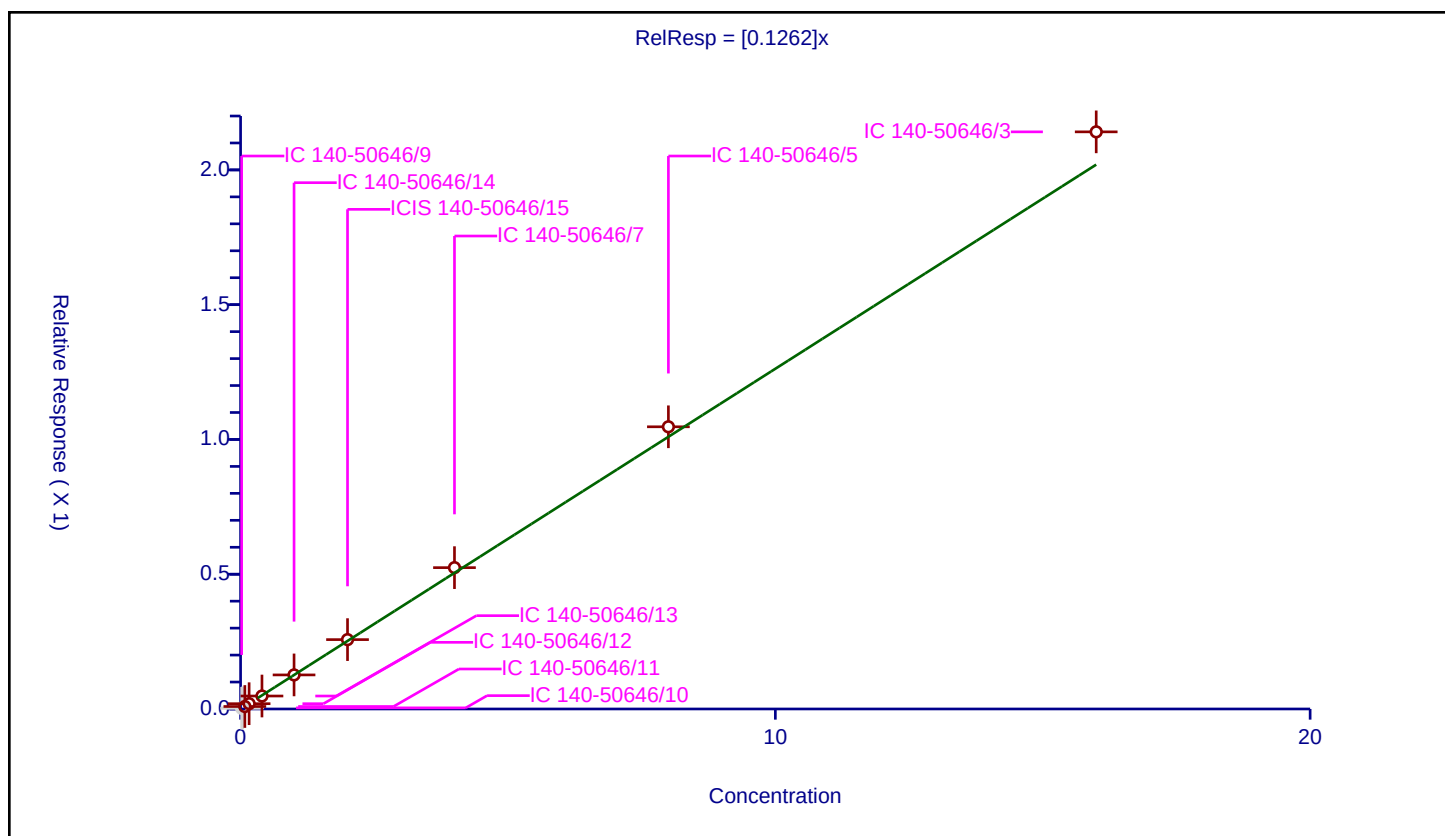
Curve Coefficients

Intercept: 0
 Slope: 0.1262

Error Coefficients

Standard Error: 212000
 Relative Standard Error: 4.9
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.002605	4.8	1151515.0	0.130263	N
2	IC 140-50646/10	0.04	0.004173	4.8	1068658.0	0.104318	N
3	IC 140-50646/11	0.08	0.009269	4.8	1019100.0	0.115867	Y
4	IC 140-50646/12	0.16	0.019644	4.8	1000141.0	0.122773	Y
5	IC 140-50646/13	0.4	0.048133	4.8	1039626.0	0.120332	Y
6	IC 140-50646/14	1.0	0.126351	4.8	1057775.0	0.126351	Y
7	ICIS 140-50646/15	2.0	0.257374	4.8	1091989.0	0.128687	Y
8	IC 140-50646/7	4.0	0.524386	4.8	1213744.0	0.131097	Y
9	IC 140-50646/5	8.0	1.047034	4.8	1188188.0	0.130879	Y
10	IC 140-50646/3	16.0	2.141238	4.8	1062554.0	0.133827	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

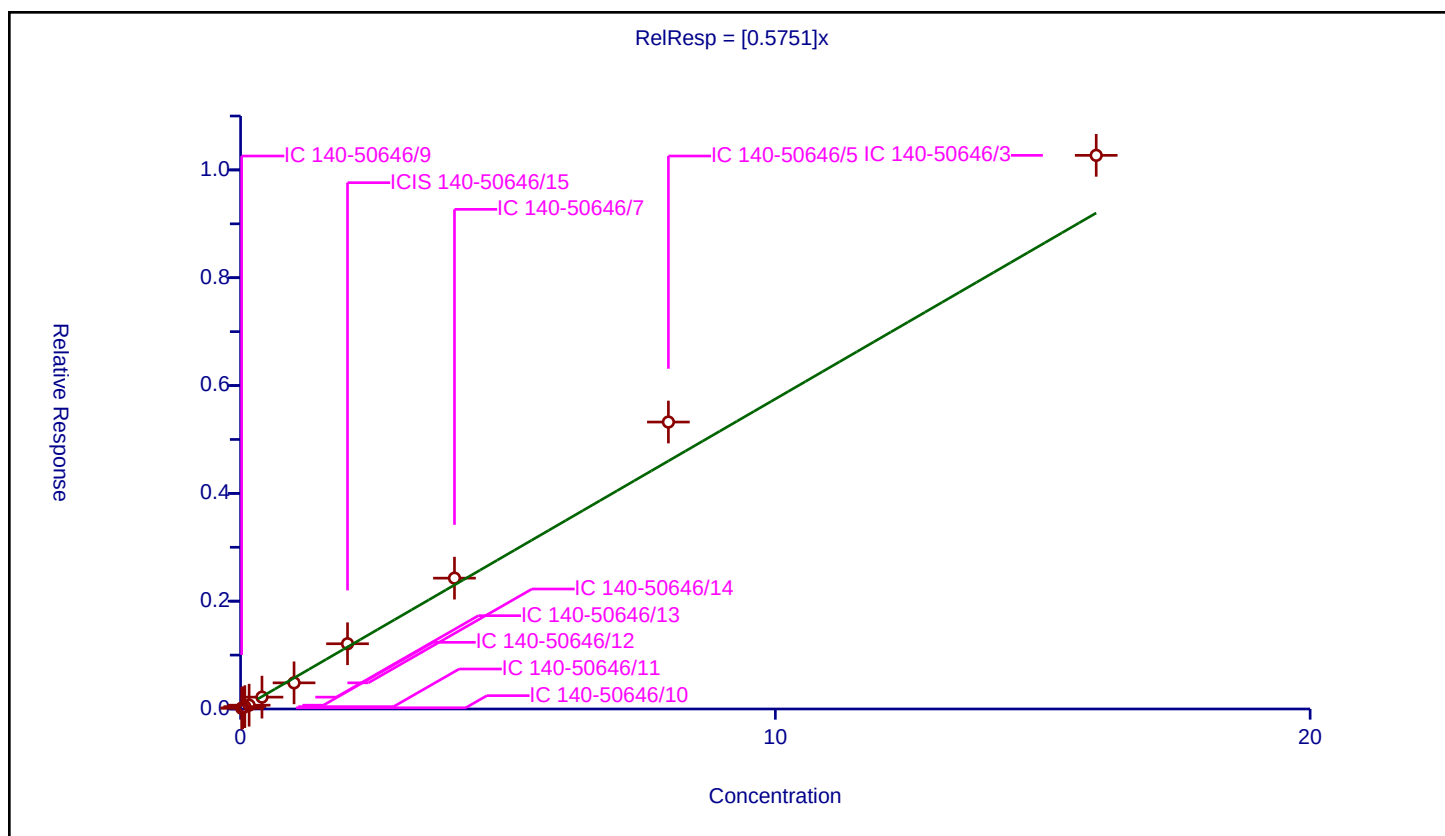
Curve Coefficients

Intercept: 0
 Slope: 0.5751

Error Coefficients

Standard Error: 905000
 Relative Standard Error: 12.7
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.01296	4.8	1151515.0	0.647981	Y
2	IC 140-50646/10	0.04	0.022454	4.8	1068658.0	0.56134	Y
3	IC 140-50646/11	0.08	0.043874	4.8	1019100.0	0.548425	Y
4	IC 140-50646/12	0.16	0.070276	4.8	1000141.0	0.439228	Y
5	IC 140-50646/13	0.4	0.219753	4.8	1039626.0	0.549382	Y
6	IC 140-50646/14	1.0	0.485157	4.8	1057775.0	0.485157	Y
7	ICIS 140-50646/15	2.0	1.210399	4.8	1091989.0	0.6052	Y
8	IC 140-50646/7	4.0	2.427299	4.8	1213744.0	0.606825	Y
9	IC 140-50646/5	8.0	5.323251	4.8	1188188.0	0.665406	Y
10	IC 140-50646/3	16.0	10.270421	4.8	1062554.0	0.641901	Y



Calibration

/ 2,3-Dimethylpentane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

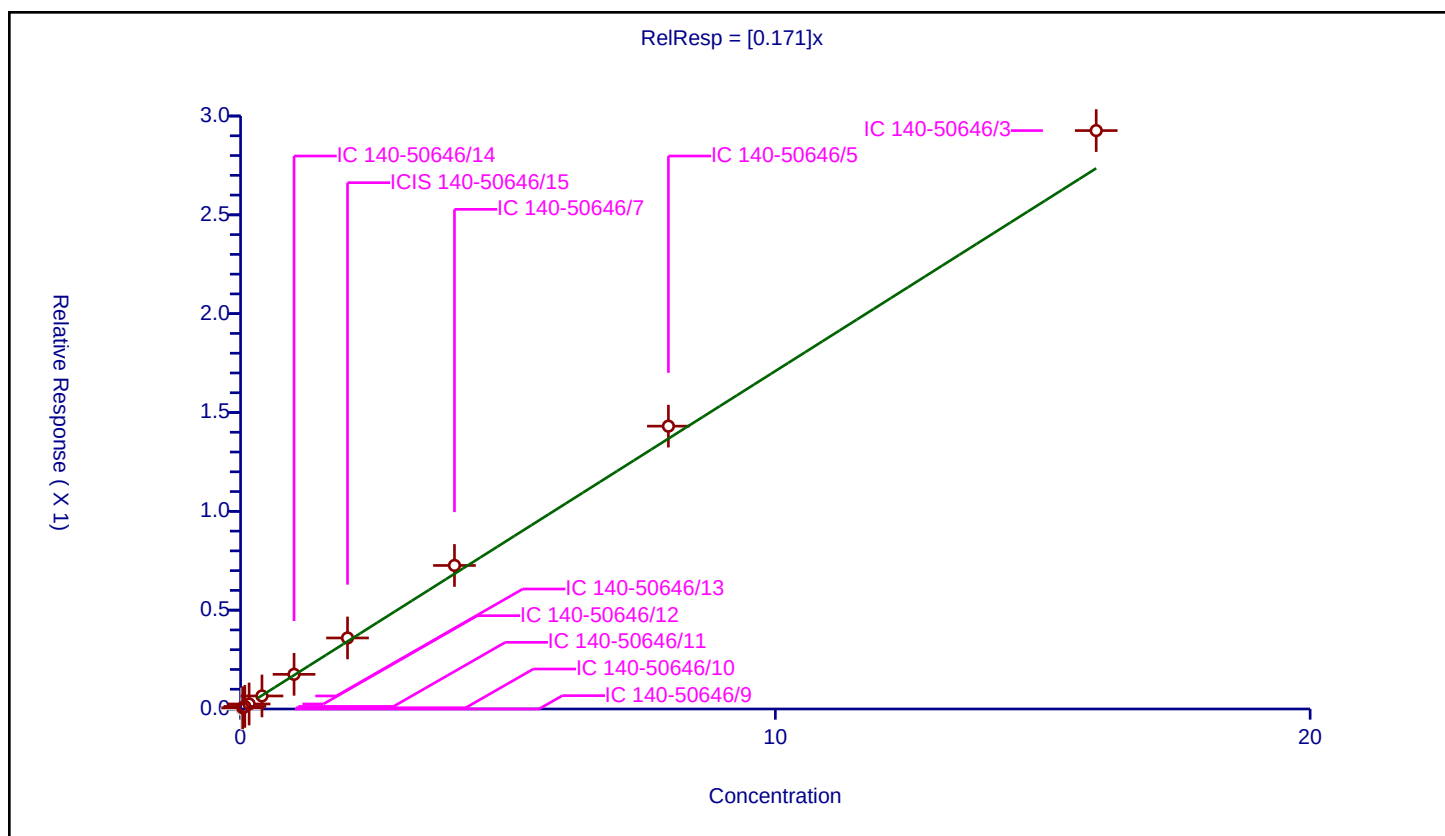
Curve Coefficients

Intercept: 0
Slope: 0.171

Error Coefficients

Standard Error: 271000
Relative Standard Error: 6.3
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.0	4.8	1151515.0	0.0	N
2	IC 140-50646/10	0.04	0.006216	4.8	1068658.0	0.15541	Y
3	IC 140-50646/11	0.08	0.012962	4.8	1019100.0	0.162025	Y
4	IC 140-50646/12	0.16	0.025316	4.8	1000141.0	0.158228	Y
5	IC 140-50646/13	0.4	0.065862	4.8	1039626.0	0.164655	Y
6	IC 140-50646/14	1.0	0.175342	4.8	1057775.0	0.175342	Y
7	ICIS 140-50646/15	2.0	0.35934	4.8	1091989.0	0.17967	Y
8	IC 140-50646/7	4.0	0.726203	4.8	1213744.0	0.181551	Y
9	IC 140-50646/5	8.0	1.430978	4.8	1188188.0	0.178872	Y
10	IC 140-50646/3	16.0	2.926293	4.8	1062554.0	0.182893	Y



Calibration

/ Thiophene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

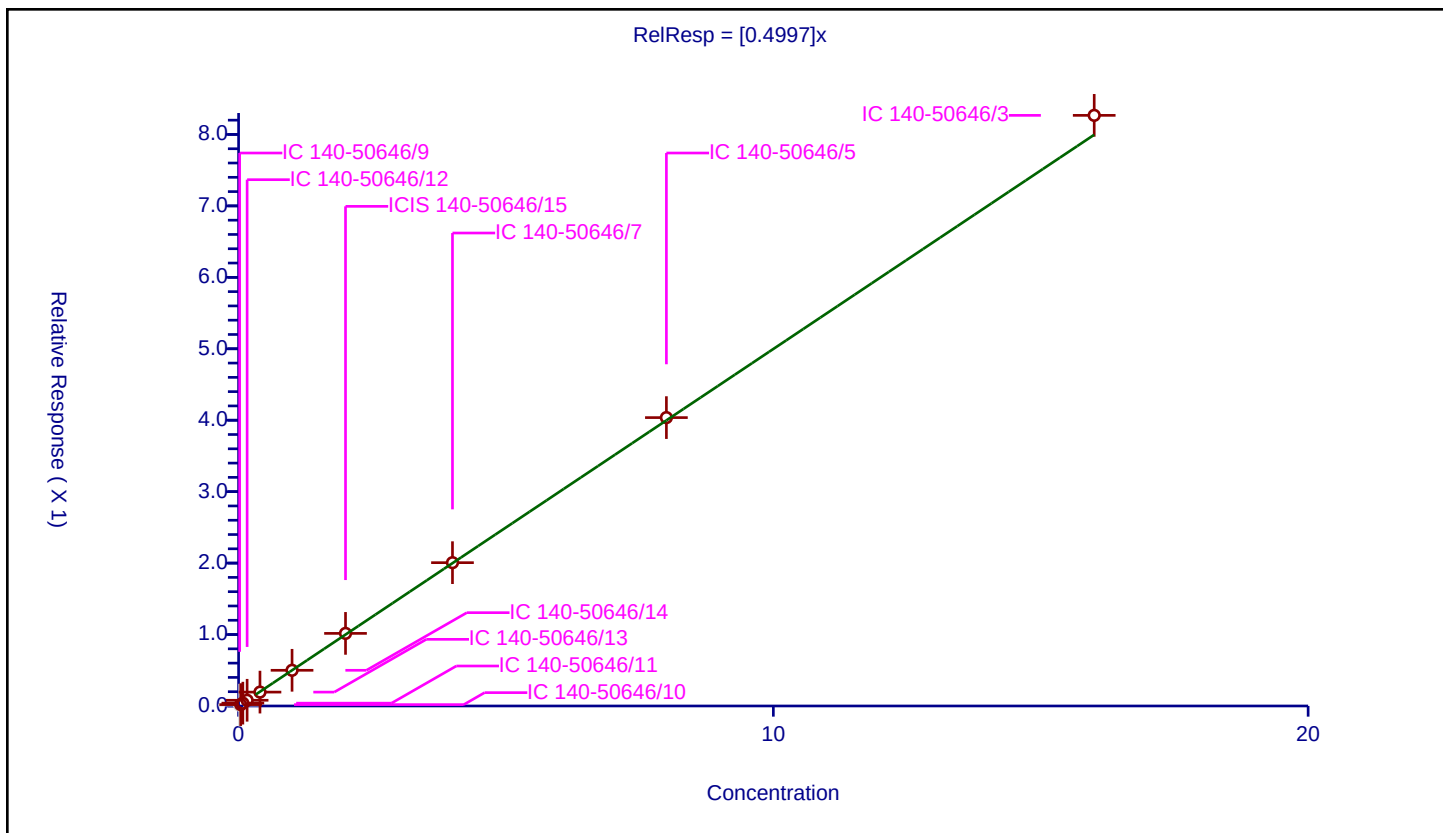
Curve Coefficients

Intercept: 0
 Slope: 0.4997

Error Coefficients

Standard Error: 764000
 Relative Standard Error: 2.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.012213	4.8	1151515.0	0.610674	N
2	IC 140-50646/10	0.04	0.019332	4.8	1068658.0	0.483298	Y
3	IC 140-50646/11	0.08	0.039842	4.8	1019100.0	0.498028	Y
4	IC 140-50646/12	0.16	0.08	4.8	1000141.0	0.5	Y
5	IC 140-50646/13	0.4	0.194313	4.8	1039626.0	0.485782	Y
6	IC 140-50646/14	1.0	0.499574	4.8	1057775.0	0.499574	Y
7	ICIS 140-50646/15	2.0	1.016155	4.8	1091989.0	0.508078	Y
8	IC 140-50646/7	4.0	2.006234	4.8	1213744.0	0.501558	Y
9	IC 140-50646/5	8.0	4.036791	4.8	1188188.0	0.504599	Y
10	IC 140-50646/3	16.0	8.267159	4.8	1062554.0	0.516697	Y



Calibration

/ Isooctane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

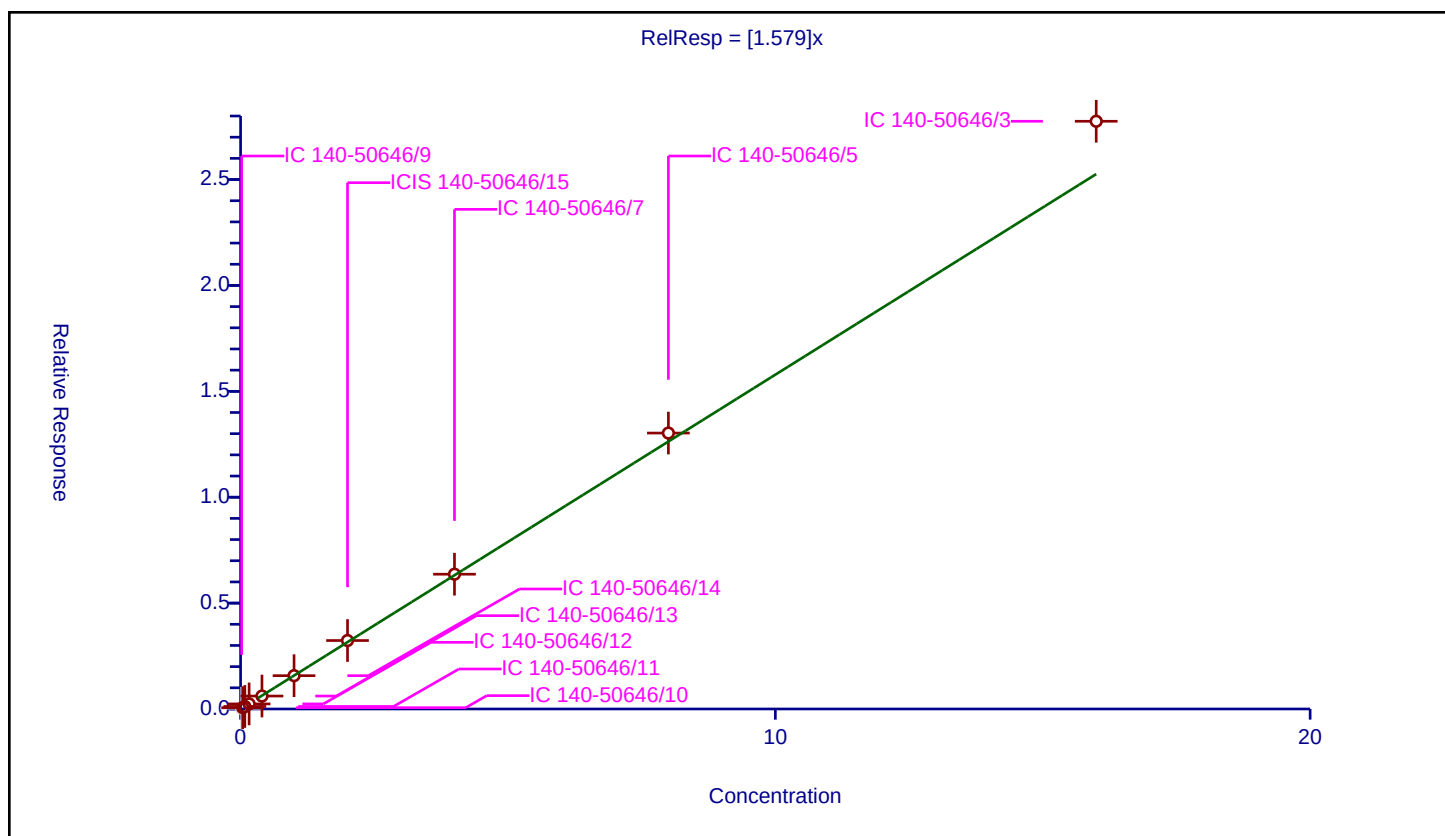
Curve Coefficients

Intercept: 0
Slope: 1.579

Error Coefficients

Standard Error: 2540000
Relative Standard Error: 4.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.035344	4.8	1151515.0	1.767202	N
2	IC 140-50646/10	0.04	0.061912	4.8	1068658.0	1.54781	Y
3	IC 140-50646/11	0.08	0.119225	4.8	1019100.0	1.490315	Y
4	IC 140-50646/12	0.16	0.239741	4.8	1000141.0	1.498379	Y
5	IC 140-50646/13	0.4	0.610909	4.8	1039626.0	1.527272	Y
6	IC 140-50646/14	1.0	1.572852	4.8	1057775.0	1.572852	Y
7	ICIS 140-50646/15	2.0	3.232802	4.8	1091989.0	1.616401	Y
8	IC 140-50646/7	4.0	6.364893	4.8	1213744.0	1.591223	Y
9	IC 140-50646/5	8.0	13.029946	4.8	1188188.0	1.628743	Y
10	IC 140-50646/3	16.0	27.752321	4.8	1062554.0	1.73452	Y



Calibration

/ n-Heptane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

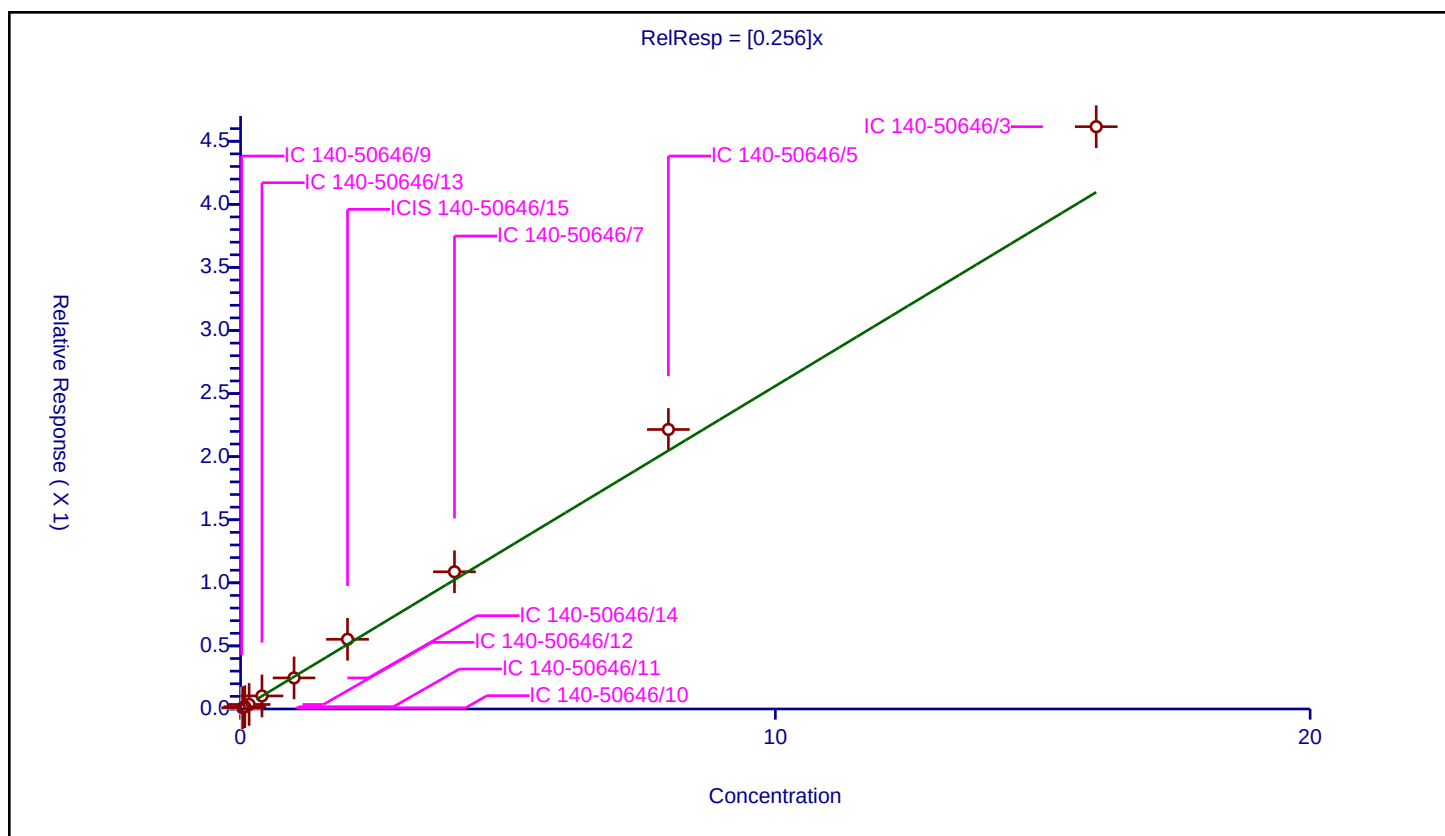
Curve Coefficients

Intercept: 0
 Slope: 0.256

Error Coefficients

Standard Error: 424000
 Relative Standard Error: 9.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.005361	4.8	1151515.0	0.26803	N
2	IC 140-50646/10	0.04	0.009401	4.8	1068658.0	0.235024	Y
3	IC 140-50646/11	0.08	0.017992	4.8	1019100.0	0.224904	Y
4	IC 140-50646/12	0.16	0.036091	4.8	1000141.0	0.225568	Y
5	IC 140-50646/13	0.4	0.103463	4.8	1039626.0	0.258658	Y
6	IC 140-50646/14	1.0	0.246304	4.8	1057775.0	0.246304	Y
7	ICIS 140-50646/15	2.0	0.552353	4.8	1091989.0	0.276176	Y
8	IC 140-50646/7	4.0	1.087619	4.8	1213744.0	0.271905	Y
9	IC 140-50646/5	8.0	2.215318	4.8	1188188.0	0.276915	Y
10	IC 140-50646/3	16.0	4.61545	4.8	1062554.0	0.288466	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

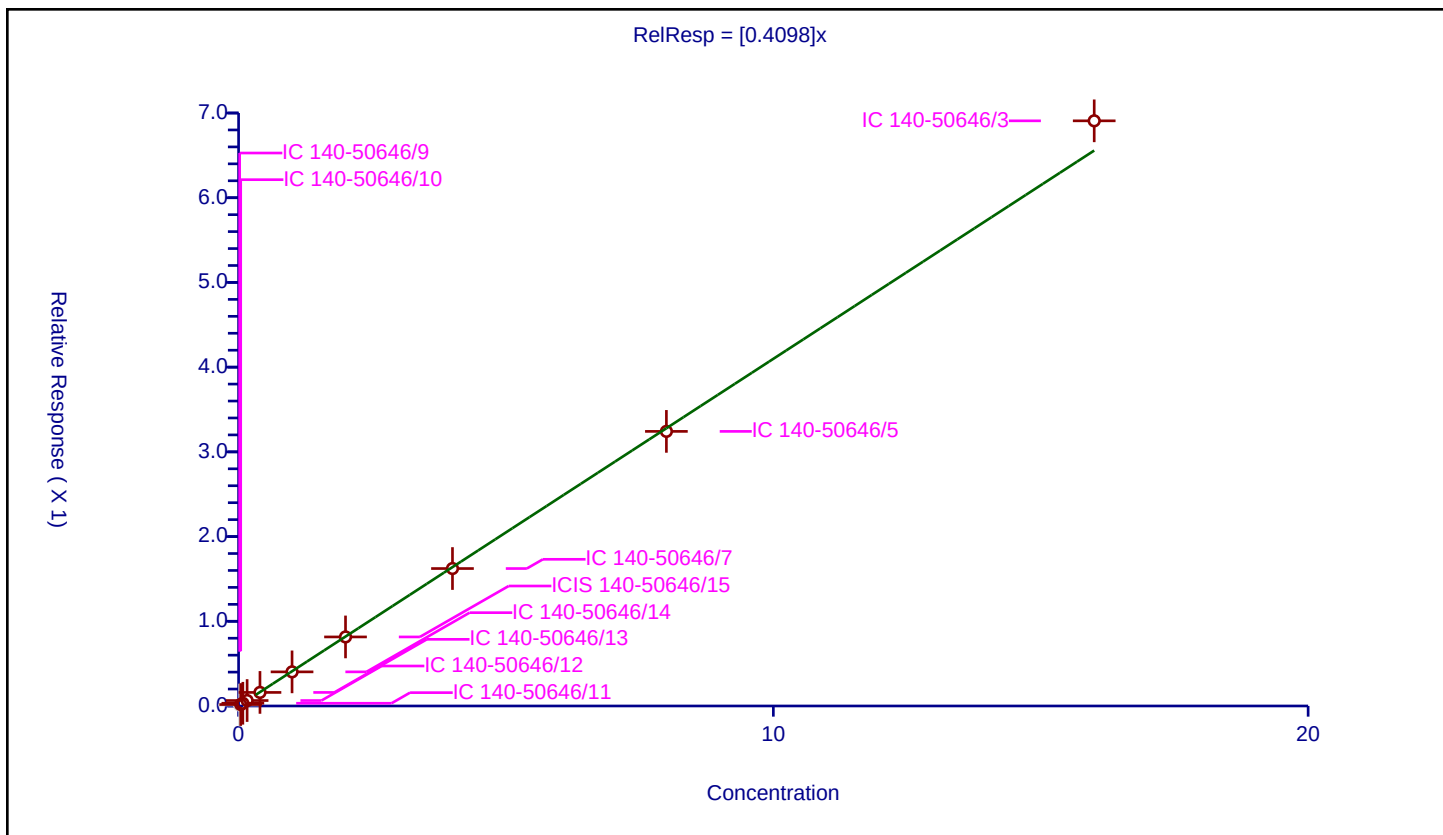
Curve Coefficients

Intercept: 0
 Slope: 0.4098

Error Coefficients

Standard Error: 632000
 Relative Standard Error: 2.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.01153	4.8	1151515.0	0.576493	N
2	IC 140-50646/10	0.04	0.017189	4.8	1068658.0	0.429735	Y
3	IC 140-50646/11	0.08	0.032193	4.8	1019100.0	0.402414	Y
4	IC 140-50646/12	0.16	0.064469	4.8	1000141.0	0.402933	Y
5	IC 140-50646/13	0.4	0.160193	4.8	1039626.0	0.400482	Y
6	IC 140-50646/14	1.0	0.40275	4.8	1057775.0	0.40275	Y
7	ICIS 140-50646/15	2.0	0.815054	4.8	1091989.0	0.407527	Y
8	IC 140-50646/7	4.0	1.622624	4.8	1213744.0	0.405656	Y
9	IC 140-50646/5	8.0	3.241705	4.8	1188188.0	0.405213	Y
10	IC 140-50646/3	16.0	6.907628	4.8	1062554.0	0.431727	Y



Calibration

/ Trichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

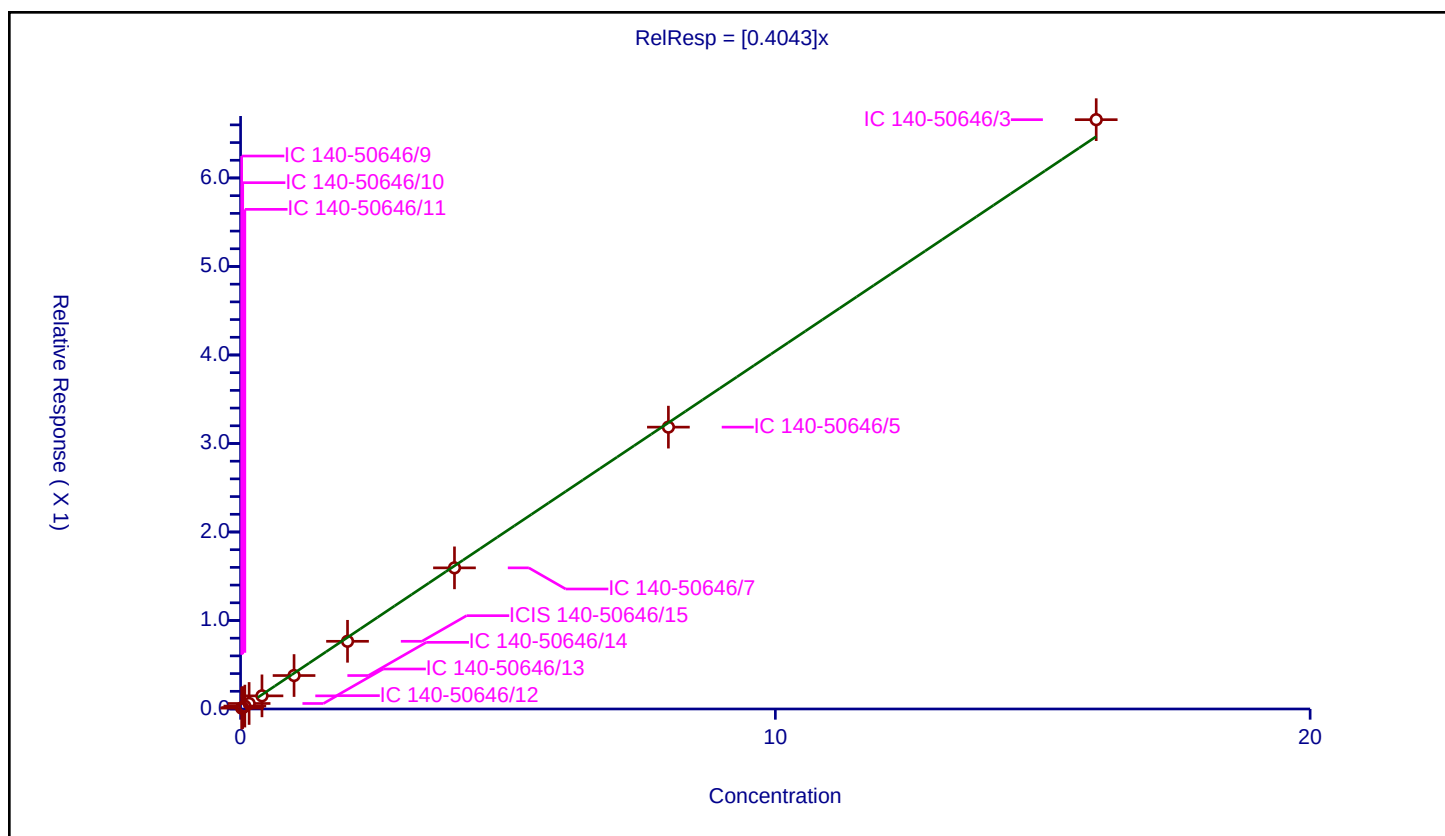
Curve Coefficients

Intercept: 0
 Slope: 0.4043

Error Coefficients

Standard Error: 577000
 Relative Standard Error: 8.6
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.009887	4.8	1151515.0	0.494375	Y
2	IC 140-50646/10	0.04	0.016183	4.8	1068658.0	0.404582	Y
3	IC 140-50646/11	0.08	0.03282	4.8	1019100.0	0.410244	Y
4	IC 140-50646/12	0.16	0.062266	4.8	1000141.0	0.389165	Y
5	IC 140-50646/13	0.4	0.148286	4.8	1039626.0	0.370714	Y
6	IC 140-50646/14	1.0	0.378092	4.8	1057775.0	0.378092	Y
7	ICIS 140-50646/15	2.0	0.764997	4.8	1091989.0	0.382498	Y
8	IC 140-50646/7	4.0	1.594727	4.8	1213744.0	0.398682	Y
9	IC 140-50646/5	8.0	3.184676	4.8	1188188.0	0.398084	Y
10	IC 140-50646/3	16.0	6.65861	4.8	1062554.0	0.416163	Y



Calibration

/ Dibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

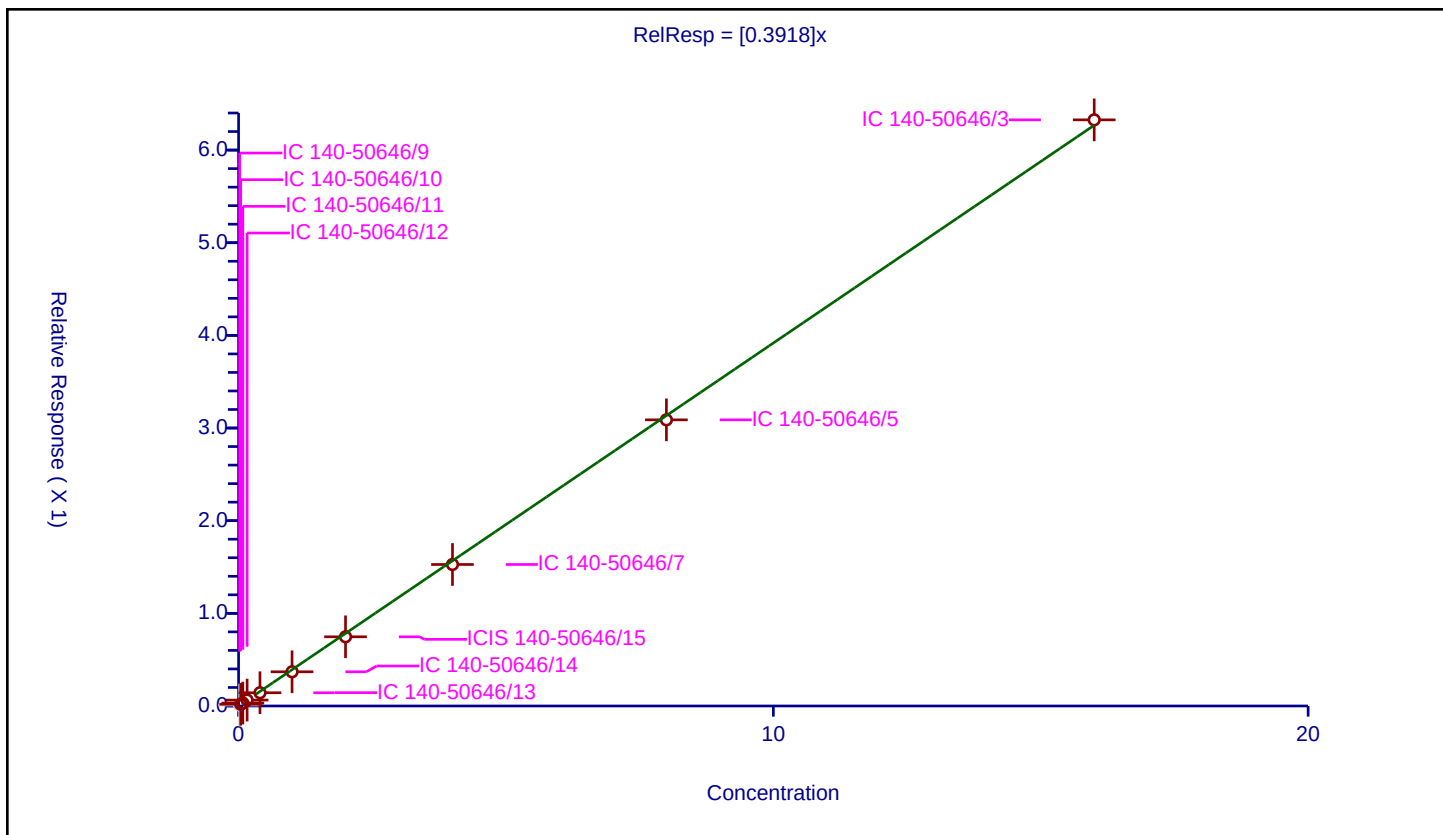
Curve Coefficients

Intercept: 0
 Slope: 0.3918

Error Coefficients

Standard Error: 584000
 Relative Standard Error: 8.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.010796	4.8	1151515.0	0.539811	N
2	IC 140-50646/10	0.04	0.01877	4.8	1068658.0	0.469261	Y
3	IC 140-50646/11	0.08	0.031538	4.8	1019100.0	0.39423	Y
4	IC 140-50646/12	0.16	0.06386	4.8	1000141.0	0.399124	Y
5	IC 140-50646/13	0.4	0.143008	4.8	1039626.0	0.357521	Y
6	IC 140-50646/14	1.0	0.369098	4.8	1057775.0	0.369098	Y
7	ICIS 140-50646/15	2.0	0.746649	4.8	1091989.0	0.373325	Y
8	IC 140-50646/7	4.0	1.527169	4.8	1213744.0	0.381792	Y
9	IC 140-50646/5	8.0	3.088428	4.8	1188188.0	0.386054	Y
10	IC 140-50646/3	16.0	6.326408	4.8	1062554.0	0.395401	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

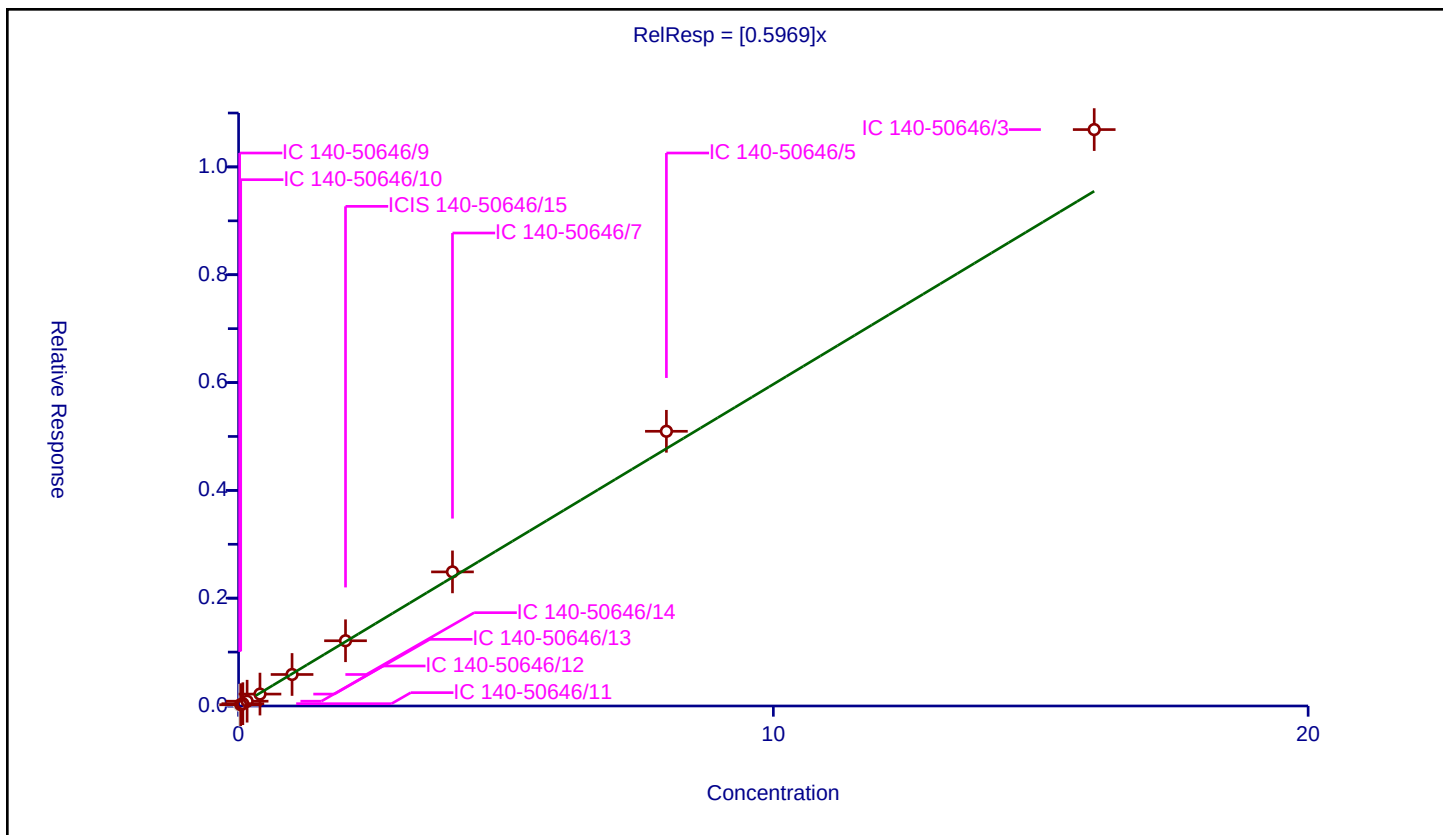
Curve Coefficients

Intercept: 0
 Slope: 0.5969

Error Coefficients

Standard Error: 980000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.014506	4.8	1151515.0	0.725305	N
2	IC 140-50646/10	0.04	0.024488	4.8	1068658.0	0.612207	Y
3	IC 140-50646/11	0.08	0.042833	4.8	1019100.0	0.535414	Y
4	IC 140-50646/12	0.16	0.088883	4.8	1000141.0	0.555522	Y
5	IC 140-50646/13	0.4	0.220755	4.8	1039626.0	0.551887	Y
6	IC 140-50646/14	1.0	0.584522	4.8	1057775.0	0.584522	Y
7	ICIS 140-50646/15	2.0	1.209999	4.8	1091989.0	0.605	Y
8	IC 140-50646/7	4.0	2.487581	4.8	1213744.0	0.621895	Y
9	IC 140-50646/5	8.0	5.095723	4.8	1188188.0	0.636965	Y
10	IC 140-50646/3	16.0	10.692777	4.8	1062554.0	0.668299	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

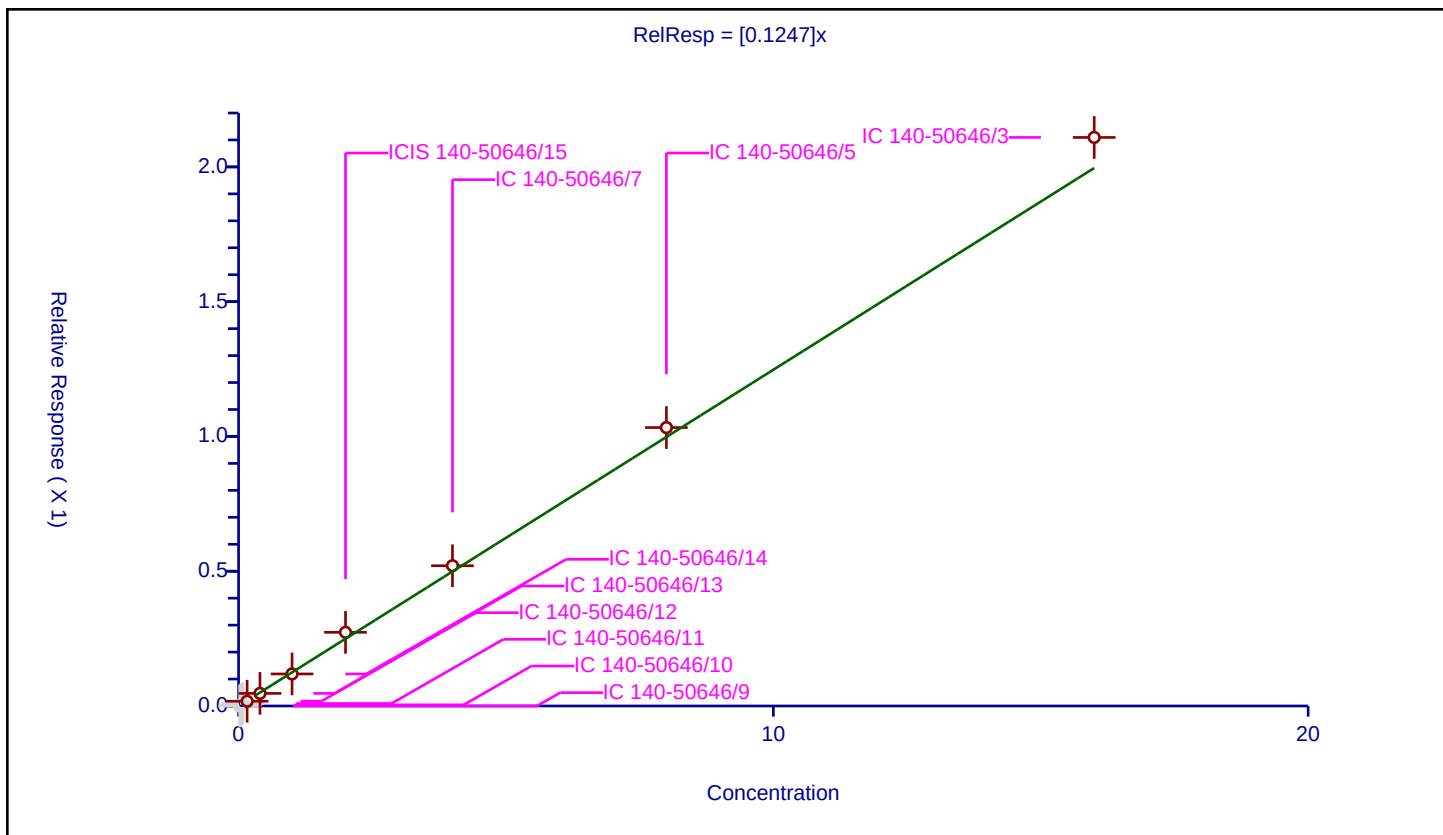
Curve Coefficients

Intercept: 0
 Slope: 0.1247

Error Coefficients

Standard Error: 226000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.0	4.8	1151515.0	0.0	N
2	IC 140-50646/10	0.04	0.004298	4.8	1068658.0	0.107462	N
3	IC 140-50646/11	0.08	0.009354	4.8	1019100.0	0.116927	N
4	IC 140-50646/12	0.16	0.017633	4.8	1000141.0	0.110204	Y
5	IC 140-50646/13	0.4	0.0466	4.8	1039626.0	0.1165	Y
6	IC 140-50646/14	1.0	0.118841	4.8	1057775.0	0.118841	Y
7	ICIS 140-50646/15	2.0	0.273291	4.8	1091989.0	0.136645	Y
8	IC 140-50646/7	4.0	0.52036	4.8	1213744.0	0.13009	Y
9	IC 140-50646/5	8.0	1.033028	4.8	1188188.0	0.129129	Y
10	IC 140-50646/3	16.0	2.109336	4.8	1062554.0	0.131833	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

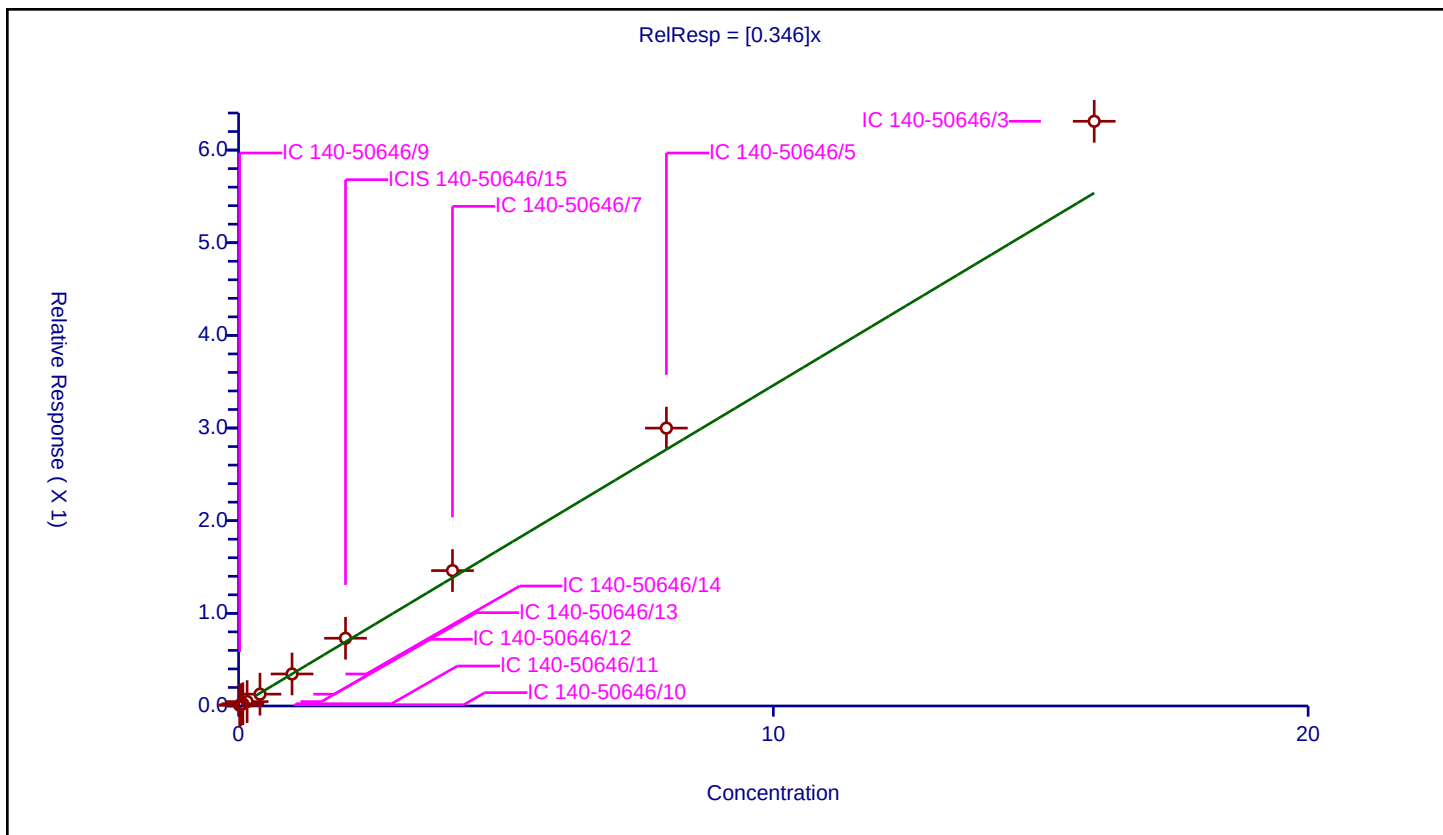
Curve Coefficients

Intercept: 0
 Slope: 0.346

Error Coefficients

Standard Error: 545000
 Relative Standard Error: 9.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.007045	4.8	1151515.0	0.352232	Y
2	IC 140-50646/10	0.04	0.013646	4.8	1068658.0	0.341138	Y
3	IC 140-50646/11	0.08	0.024487	4.8	1019100.0	0.306094	Y
4	IC 140-50646/12	0.16	0.047341	4.8	1000141.0	0.295878	Y
5	IC 140-50646/13	0.4	0.127703	4.8	1039626.0	0.319257	Y
6	IC 140-50646/14	1.0	0.345592	4.8	1057775.0	0.345592	Y
7	ICIS 140-50646/15	2.0	0.731308	4.8	1091989.0	0.365654	Y
8	IC 140-50646/7	4.0	1.46124	4.8	1213744.0	0.36531	Y
9	IC 140-50646/5	8.0	2.999287	4.8	1188188.0	0.374911	Y
10	IC 140-50646/3	16.0	6.310904	4.8	1062554.0	0.394432	Y



Calibration

/ Methylcyclohexane

Curve Type: Linear
 Weighting: None
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

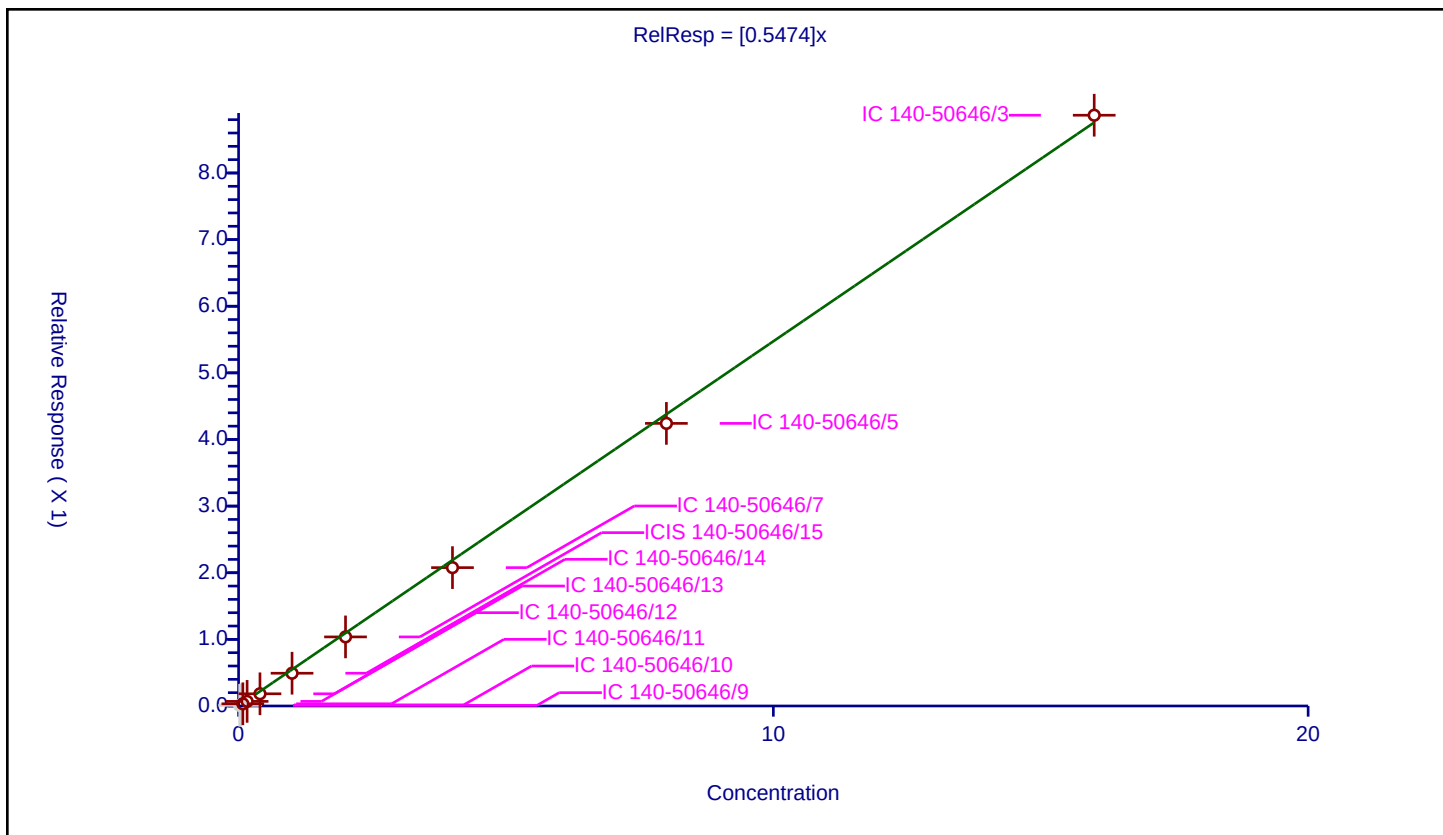
Curve Coefficients

Intercept: 0
 Slope: 0.5474

Error Coefficients

Standard Error: 870000
 Relative Standard Error: 14.7
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.009671	4.8	1151515.0	0.483537	N
2	IC 140-50646/10	0.04	0.017113	4.8	1068658.0	0.427826	N
3	IC 140-50646/11	0.08	0.032824	4.8	1019100.0	0.410303	Y
4	IC 140-50646/12	0.16	0.068995	4.8	1000141.0	0.431219	Y
5	IC 140-50646/13	0.4	0.182913	4.8	1039626.0	0.457284	Y
6	IC 140-50646/14	1.0	0.491646	4.8	1057775.0	0.491646	Y
7	ICIS 140-50646/15	2.0	1.036999	4.8	1091989.0	0.5185	Y
8	IC 140-50646/7	4.0	2.076699	4.8	1213744.0	0.519175	Y
9	IC 140-50646/5	8.0	4.241632	4.8	1188188.0	0.530204	Y
10	IC 140-50646/3	16.0	8.866701	4.8	1062554.0	0.554169	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

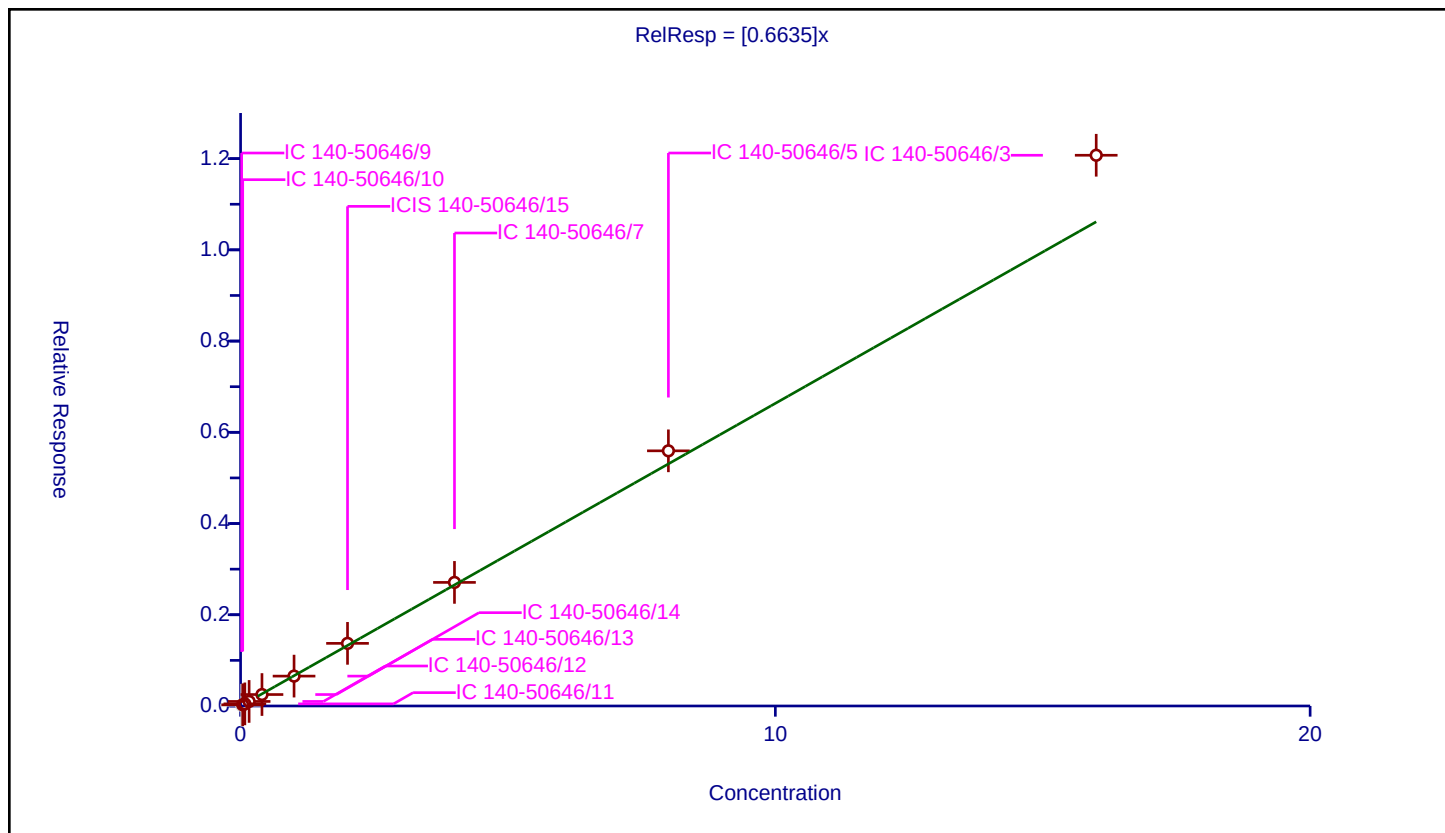
Curve Coefficients

Intercept: 0
 Slope: 0.6635

Error Coefficients

Standard Error: 1100000
 Relative Standard Error: 7.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.016899	4.8	1151515.0	0.844939	N
2	IC 140-50646/10	0.04	0.026635	4.8	1068658.0	0.665882	Y
3	IC 140-50646/11	0.08	0.046592	4.8	1019100.0	0.582396	Y
4	IC 140-50646/12	0.16	0.099648	4.8	1000141.0	0.622802	Y
5	IC 140-50646/13	0.4	0.250987	4.8	1039626.0	0.627468	Y
6	IC 140-50646/14	1.0	0.654967	4.8	1057775.0	0.654967	Y
7	ICIS 140-50646/15	2.0	1.372875	4.8	1091989.0	0.686438	Y
8	IC 140-50646/7	4.0	2.709527	4.8	1213744.0	0.677382	Y
9	IC 140-50646/5	8.0	5.593798	4.8	1188188.0	0.699225	Y
10	IC 140-50646/3	16.0	12.07381	4.8	1062554.0	0.754613	Y



Calibration

/ cis-1,3-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

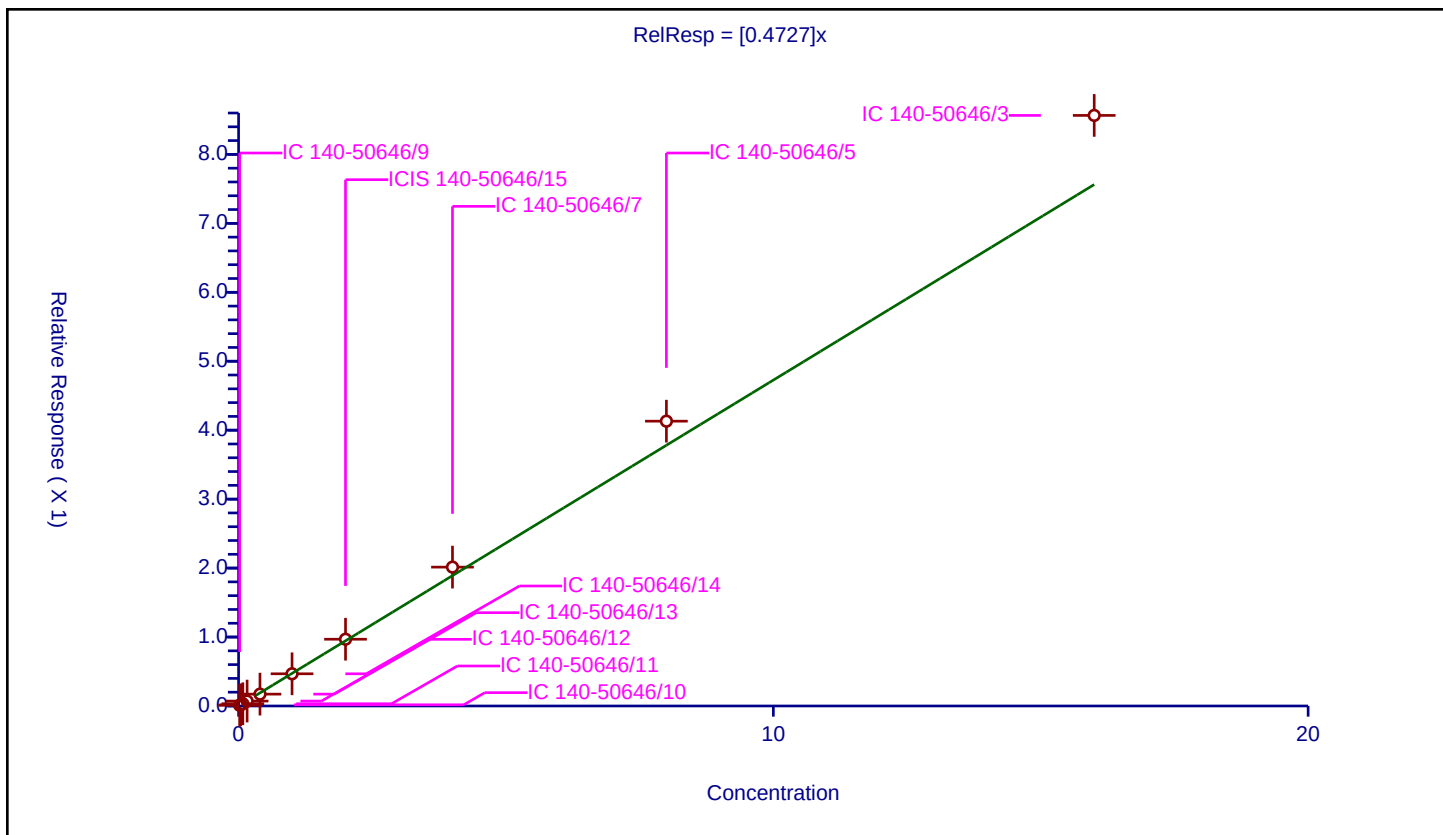
Curve Coefficients

Intercept: 0
 Slope: 0.4727

Error Coefficients

Standard Error: 742000
 Relative Standard Error: 8.6
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.009858	4.8	1151515.0	0.492916	Y
2	IC 140-50646/10	0.04	0.017778	4.8	1068658.0	0.444445	Y
3	IC 140-50646/11	0.08	0.032546	4.8	1019100.0	0.40683	Y
4	IC 140-50646/12	0.16	0.07138	4.8	1000141.0	0.446127	Y
5	IC 140-50646/13	0.4	0.172013	4.8	1039626.0	0.430032	Y
6	IC 140-50646/14	1.0	0.467051	4.8	1057775.0	0.467051	Y
7	ICIS 140-50646/15	2.0	0.968076	4.8	1091989.0	0.484038	Y
8	IC 140-50646/7	4.0	2.013965	4.8	1213744.0	0.503491	Y
9	IC 140-50646/5	8.0	4.130817	4.8	1188188.0	0.516352	Y
10	IC 140-50646/3	16.0	8.565349	4.8	1062554.0	0.535334	Y



Calibration

/ trans-1,3-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

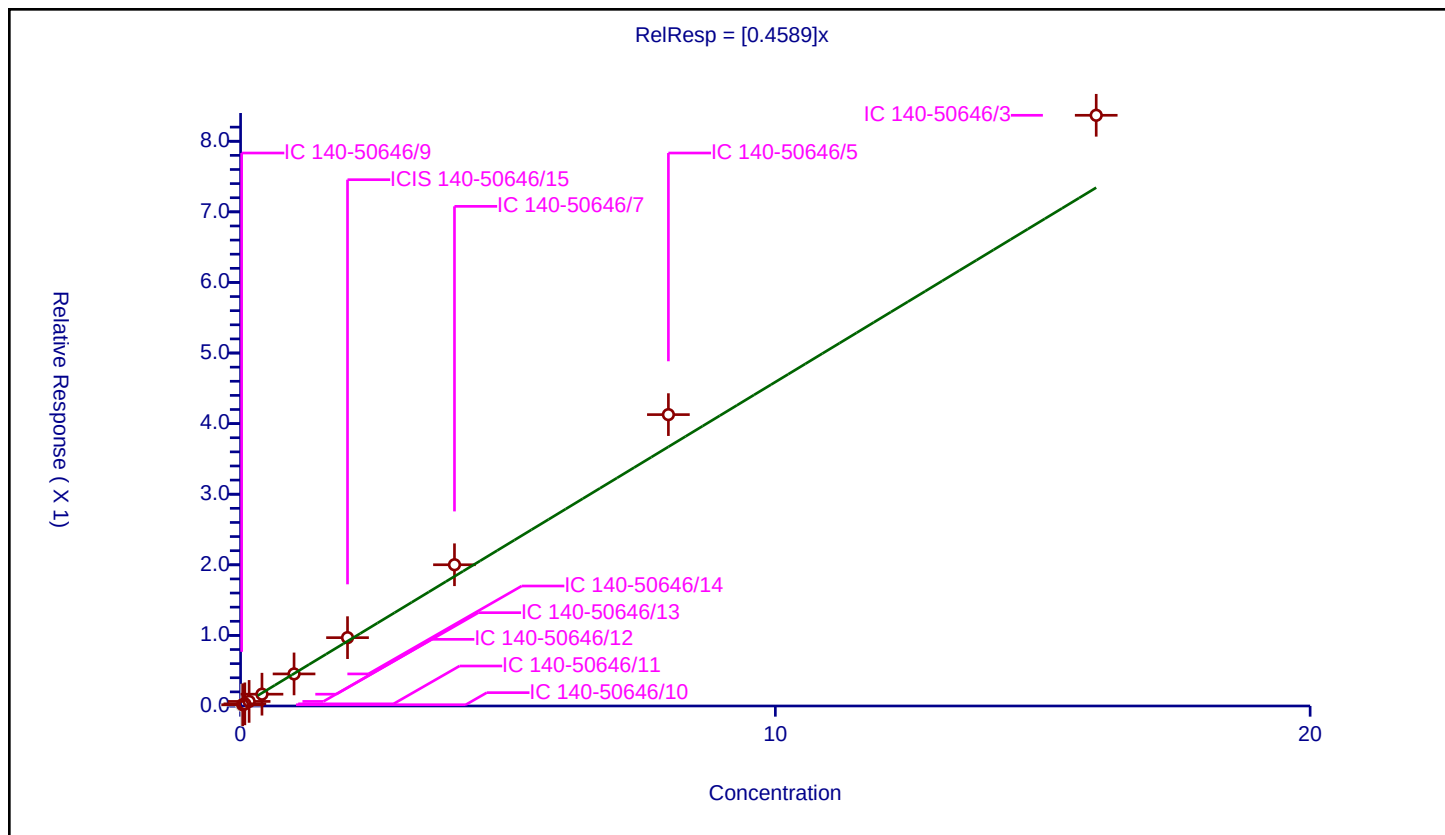
Curve Coefficients

Intercept: 0
 Slope: 0.4589

Error Coefficients

Standard Error: 694000
 Relative Standard Error: 11.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.011422	4.8	959848.0	0.57109	N
2	IC 140-50646/10	0.04	0.017879	4.8	904221.0	0.44697	Y
3	IC 140-50646/11	0.08	0.03057	4.8	857465.0	0.382126	Y
4	IC 140-50646/12	0.16	0.064931	4.8	847616.0	0.405821	Y
5	IC 140-50646/13	0.4	0.167309	4.8	885413.0	0.418273	Y
6	IC 140-50646/14	1.0	0.45415	4.8	894154.0	0.45415	Y
7	ICIS 140-50646/15	2.0	0.96797	4.8	934893.0	0.483985	Y
8	IC 140-50646/7	4.0	2.000622	4.8	1060151.0	0.500156	Y
9	IC 140-50646/5	8.0	4.127561	4.8	1052212.0	0.515945	Y
10	IC 140-50646/3	16.0	8.368004	4.8	959637.0	0.523	Y



Calibration

/ Toluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

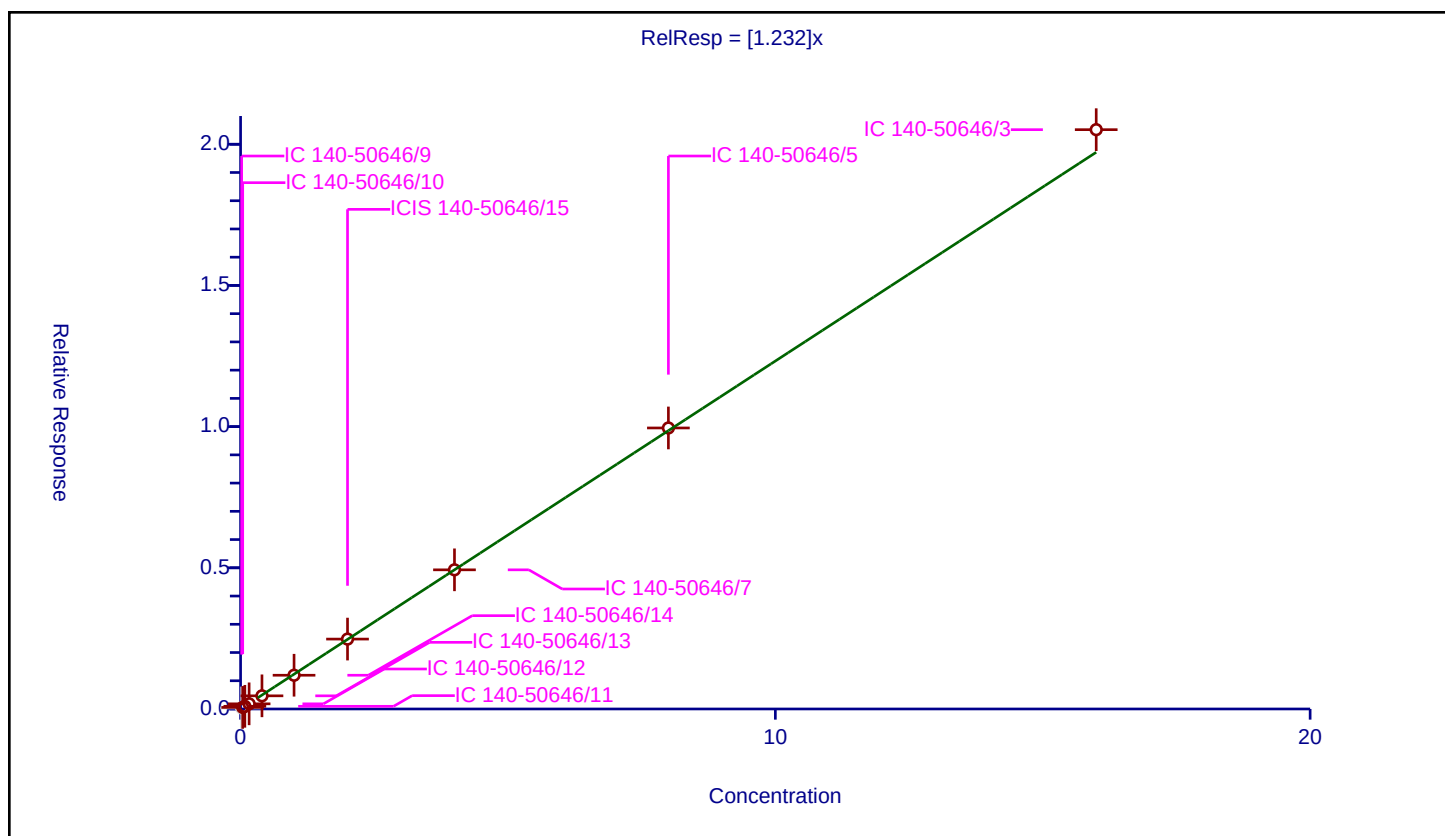
Curve Coefficients

Intercept: 0
 Slope: 1.232

Error Coefficients

Standard Error: 1700000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.037591	4.8	959848.0	1.879548	N
2	IC 140-50646/10	0.04	0.056036	4.8	904221.0	1.400896	Y
3	IC 140-50646/11	0.08	0.095181	4.8	857465.0	1.189763	Y
4	IC 140-50646/12	0.16	0.182913	4.8	847616.0	1.143206	Y
5	IC 140-50646/13	0.4	0.465963	4.8	885413.0	1.164907	Y
6	IC 140-50646/14	1.0	1.195252	4.8	894154.0	1.195252	Y
7	ICIS 140-50646/15	2.0	2.475286	4.8	934893.0	1.237643	Y
8	IC 140-50646/7	4.0	4.928518	4.8	1060151.0	1.232129	Y
9	IC 140-50646/5	8.0	9.952451	4.8	1052212.0	1.244056	Y
10	IC 140-50646/3	16.0	20.516753	4.8	959637.0	1.282297	Y



Calibration

/ 1,1,2-Trichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

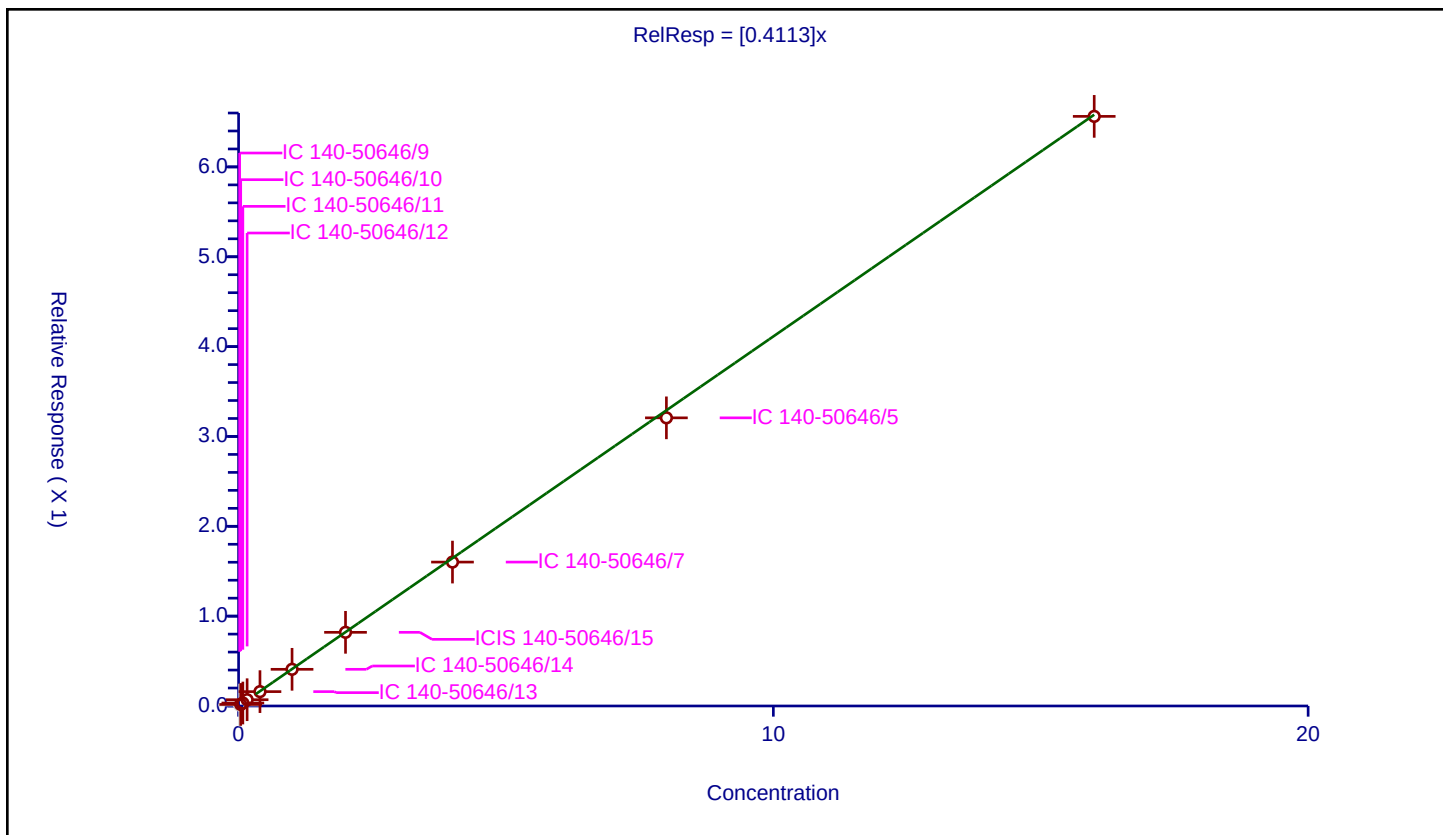
Curve Coefficients

Intercept: 0
 Slope: 0.4113

Error Coefficients

Standard Error: 545000
 Relative Standard Error: 2.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.010557	4.8	959848.0	0.527834	N
2	IC 140-50646/10	0.04	0.016976	4.8	904221.0	0.42441	Y
3	IC 140-50646/11	0.08	0.032988	4.8	857465.0	0.412355	Y
4	IC 140-50646/12	0.16	0.06979	4.8	847616.0	0.436188	Y
5	IC 140-50646/13	0.4	0.159768	4.8	885413.0	0.39942	Y
6	IC 140-50646/14	1.0	0.408204	4.8	894154.0	0.408204	Y
7	ICIS 140-50646/15	2.0	0.819795	4.8	934893.0	0.409898	Y
8	IC 140-50646/7	4.0	1.601758	4.8	1060151.0	0.40044	Y
9	IC 140-50646/5	8.0	3.207164	4.8	1052212.0	0.400895	Y
10	IC 140-50646/3	16.0	6.562566	4.8	959637.0	0.41016	Y



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

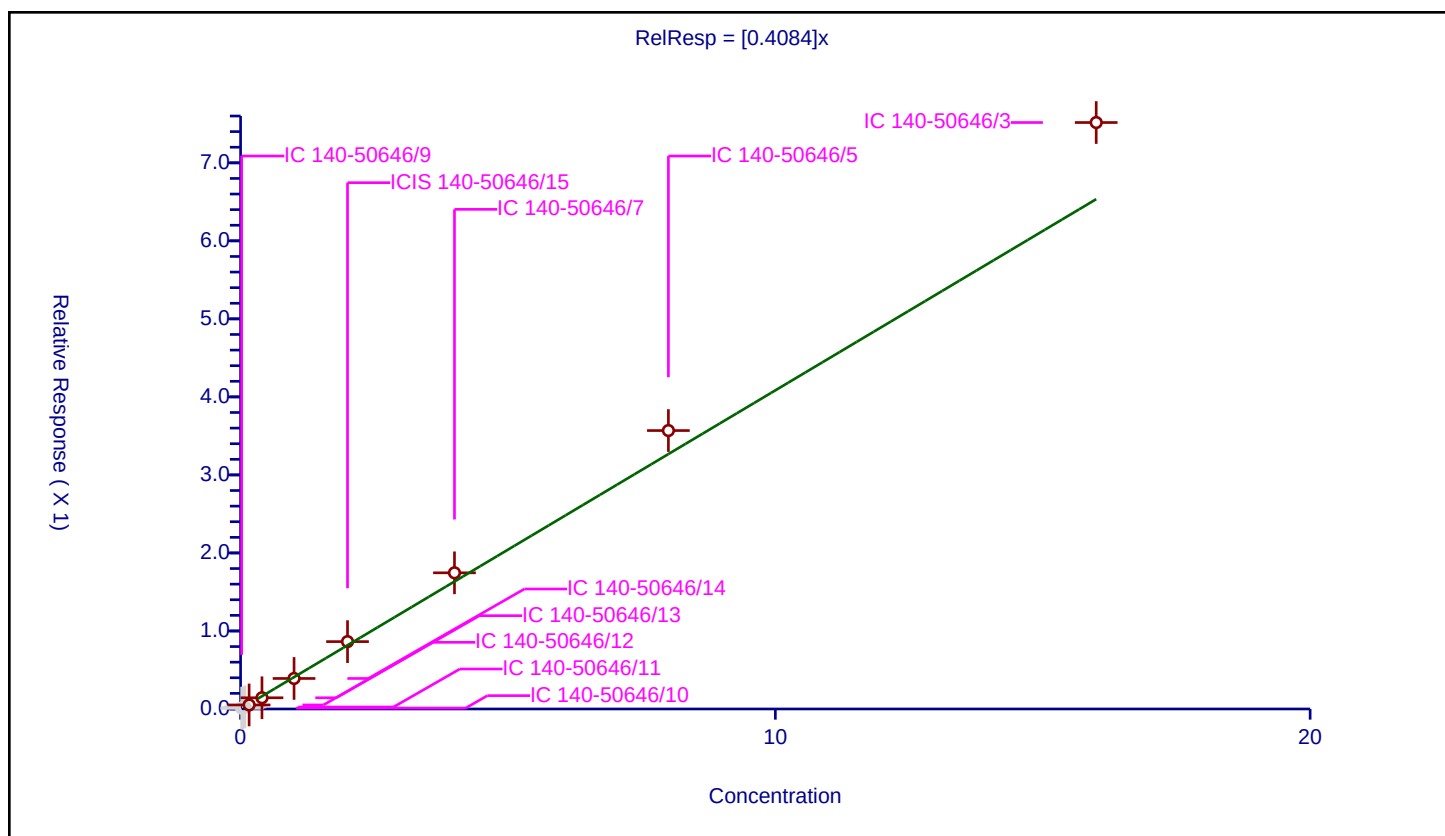
Curve Coefficients

Intercept: 0
Slope: 0.4084

Error Coefficients

Standard Error: 713000
Relative Standard Error: 12.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.010722	4.8	959848.0	0.536085	N
2	IC 140-50646/10	0.04	0.012034	4.8	904221.0	0.300856	N
3	IC 140-50646/11	0.08	0.025336	4.8	857465.0	0.316701	N
4	IC 140-50646/12	0.16	0.051884	4.8	847616.0	0.324274	Y
5	IC 140-50646/13	0.4	0.143721	4.8	885413.0	0.359304	Y
6	IC 140-50646/14	1.0	0.391181	4.8	894154.0	0.391181	Y
7	ICIS 140-50646/15	2.0	0.863483	4.8	934893.0	0.431741	Y
8	IC 140-50646/7	4.0	1.745421	4.8	1060151.0	0.436355	Y
9	IC 140-50646/5	8.0	3.568701	4.8	1052212.0	0.446088	Y
10	IC 140-50646/3	16.0	7.516557	4.8	959637.0	0.469785	Y



Calibration

/ n-Octane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

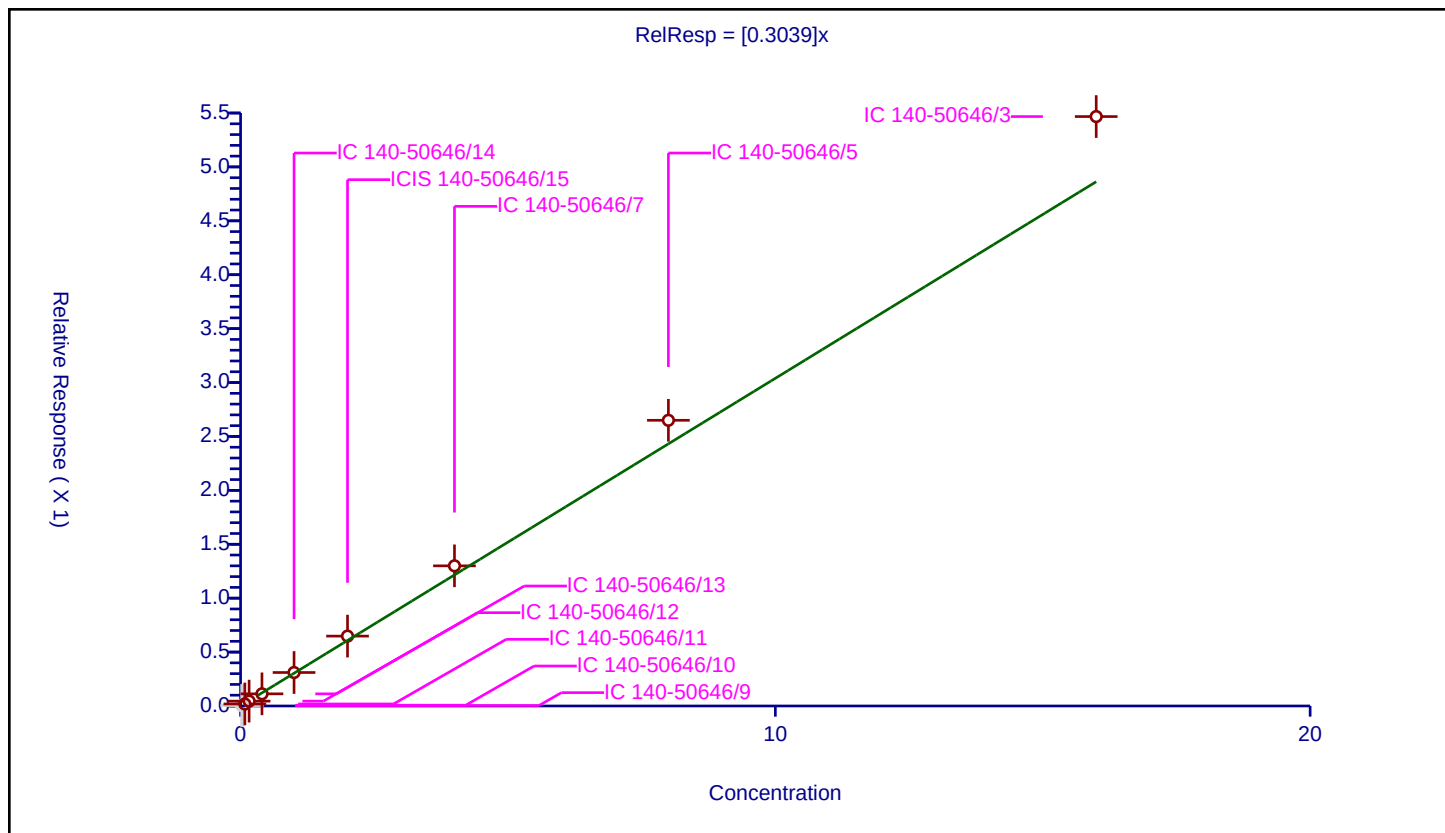
Curve Coefficients

Intercept: 0
 Slope: 0.3039

Error Coefficients

Standard Error: 483000
 Relative Standard Error: 11.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.004606	4.8	959848.0	0.230286	N
2	IC 140-50646/10	0.04	0.0074	4.8	904221.0	0.184999	N
3	IC 140-50646/11	0.08	0.018781	4.8	857465.0	0.234762	Y
4	IC 140-50646/12	0.16	0.045173	4.8	847616.0	0.282333	Y
5	IC 140-50646/13	0.4	0.112712	4.8	885413.0	0.28178	Y
6	IC 140-50646/14	1.0	0.310529	4.8	894154.0	0.310529	Y
7	ICIS 140-50646/15	2.0	0.648203	4.8	934893.0	0.324101	Y
8	IC 140-50646/7	4.0	1.29989	4.8	1060151.0	0.324973	Y
9	IC 140-50646/5	8.0	2.649997	4.8	1052212.0	0.33125	Y
10	IC 140-50646/3	16.0	5.467222	4.8	959637.0	0.341701	Y



Calibration

/ C8 Range

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

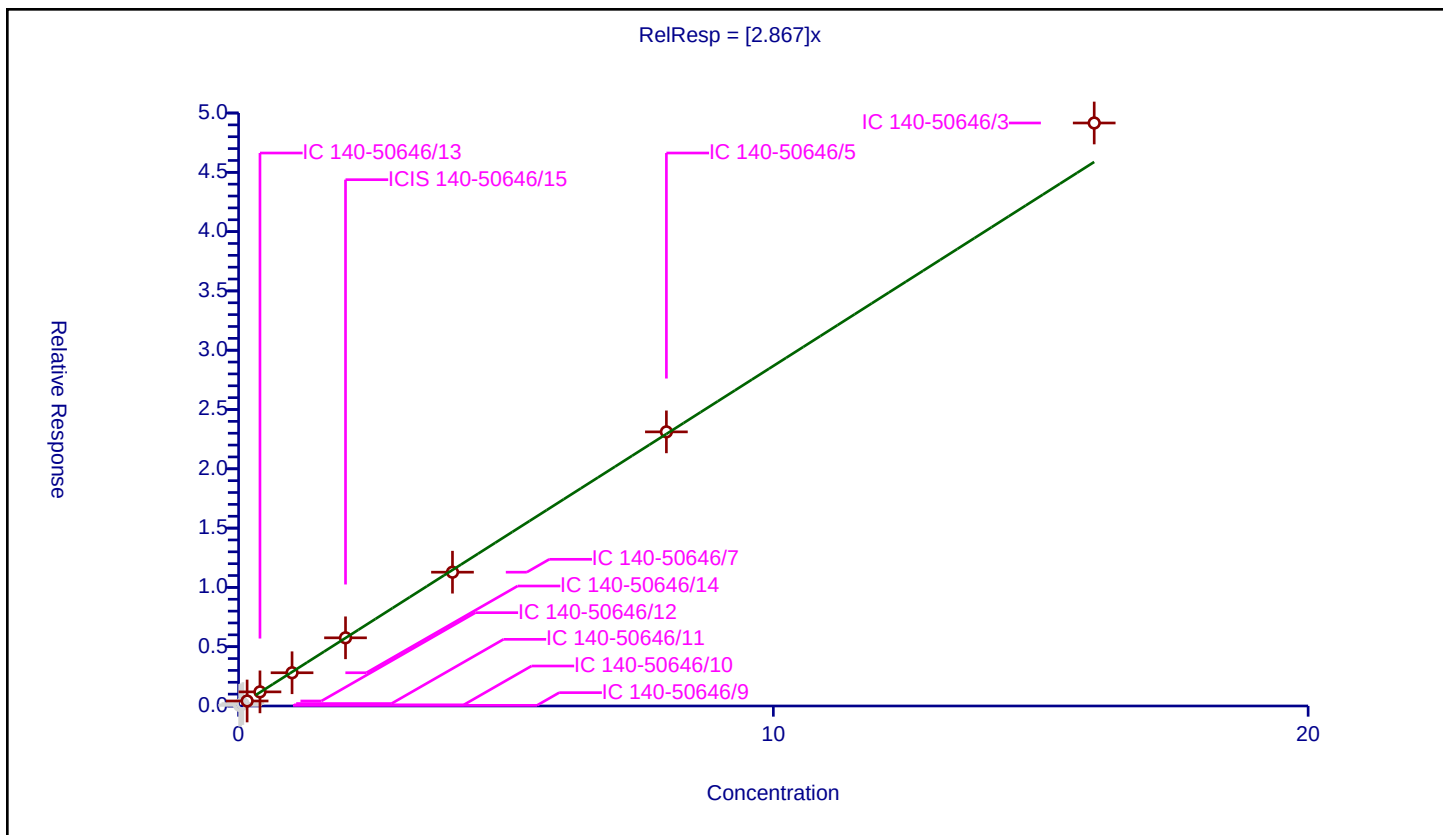
Curve Coefficients

Intercept: 0
 Slope: 2.867

Error Coefficients

Standard Error: 5190000
 Relative Standard Error: 4.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.054119	4.8	1151515.0	2.705931	N
2	IC 140-50646/10	0.04	0.096821	4.8	1068658.0	2.420531	N
3	IC 140-50646/11	0.08	0.206479	4.8	1019100.0	2.580983	N
4	IC 140-50646/12	0.16	0.421789	4.8	1000141.0	2.636178	Y
5	IC 140-50646/13	0.4	1.190524	4.8	1039626.0	2.976309	Y
6	IC 140-50646/14	1.0	2.801791	4.8	1057775.0	2.801791	Y
7	ICIS 140-50646/15	2.0	5.747869	4.8	1091989.0	2.873934	Y
8	IC 140-50646/7	4.0	11.281129	4.8	1213744.0	2.820282	Y
9	IC 140-50646/5	8.0	23.113534	4.8	1188188.0	2.889192	Y
10	IC 140-50646/3	16.0	49.15986	4.8	1062554.0	3.072491	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

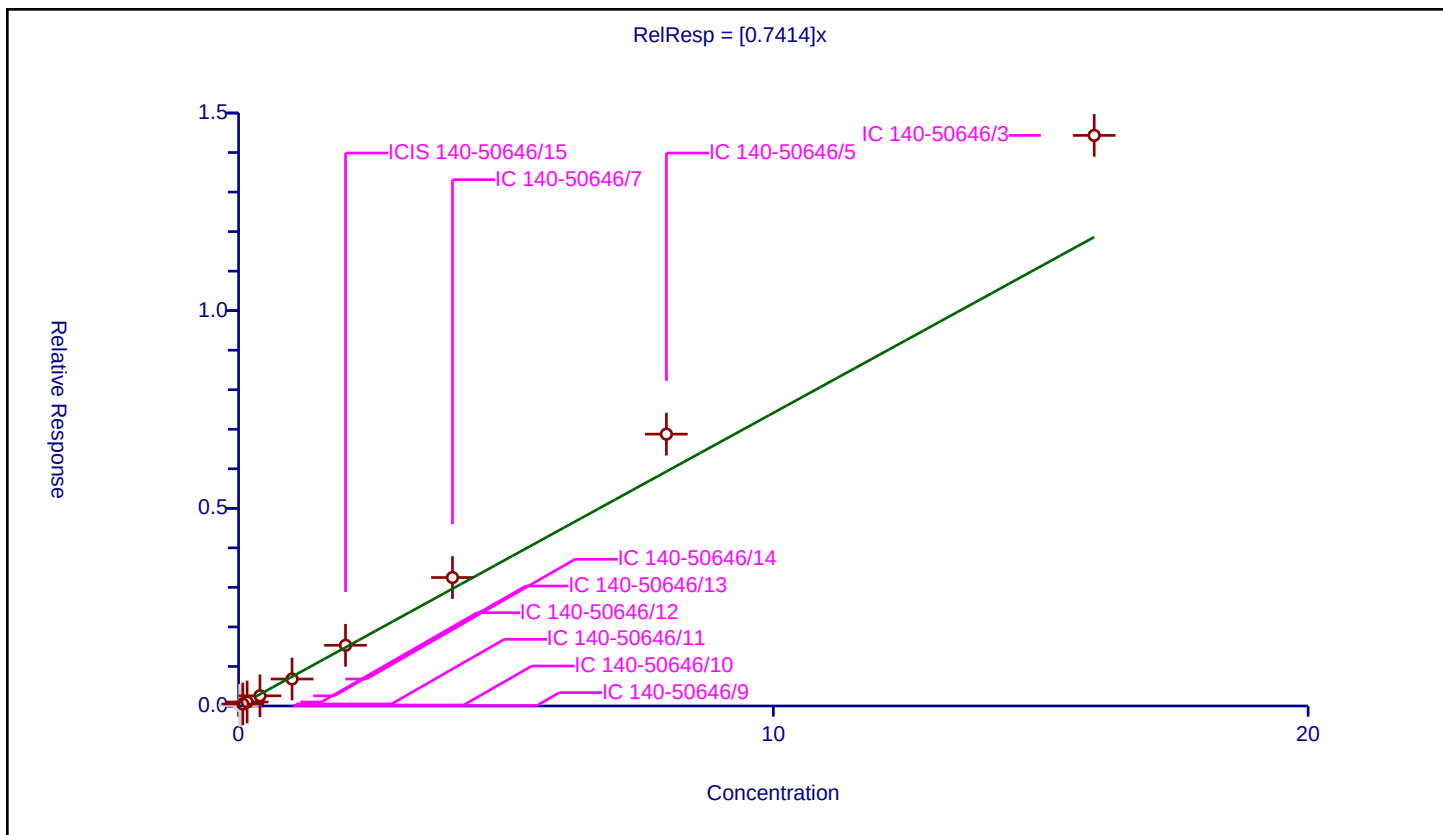
Curve Coefficients

Intercept: 0
 Slope: 0.7414

Error Coefficients

Standard Error: 1270000
 Relative Standard Error: 14.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.014272	4.8	959848.0	0.713613	N
2	IC 140-50646/10	0.04	0.024371	4.8	904221.0	0.609276	N
3	IC 140-50646/11	0.08	0.050807	4.8	857465.0	0.635081	Y
4	IC 140-50646/12	0.16	0.100546	4.8	847616.0	0.62841	Y
5	IC 140-50646/13	0.4	0.25735	4.8	885413.0	0.643374	Y
6	IC 140-50646/14	1.0	0.682111	4.8	894154.0	0.682111	Y
7	ICIS 140-50646/15	2.0	1.535806	4.8	934893.0	0.767903	Y
8	IC 140-50646/7	4.0	3.249889	4.8	1060151.0	0.812472	Y
9	IC 140-50646/5	8.0	6.876791	4.8	1052212.0	0.859599	Y
10	IC 140-50646/3	16.0	14.433853	4.8	959637.0	0.902116	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

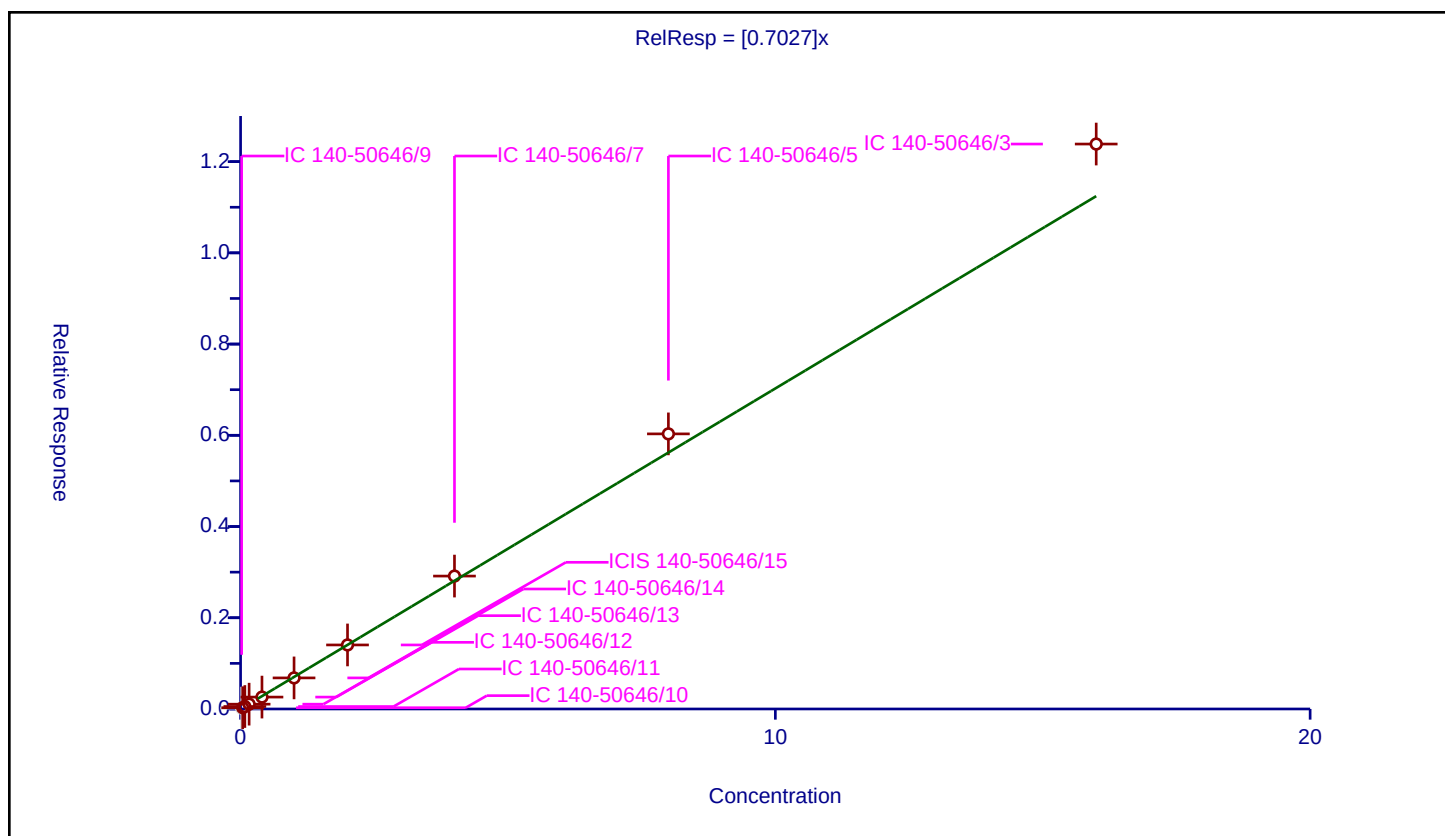
Curve Coefficients

Intercept: 0
 Slope: 0.7027

Error Coefficients

Standard Error: 1020000
 Relative Standard Error: 5.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.018913	4.8	959848.0	0.94565	N
2	IC 140-50646/10	0.04	0.027779	4.8	904221.0	0.694476	Y
3	IC 140-50646/11	0.08	0.054154	4.8	857465.0	0.676926	Y
4	IC 140-50646/12	0.16	0.105659	4.8	847616.0	0.66037	Y
5	IC 140-50646/13	0.4	0.260998	4.8	885413.0	0.652496	Y
6	IC 140-50646/14	1.0	0.681472	4.8	894154.0	0.681472	Y
7	ICIS 140-50646/15	2.0	1.40422	4.8	934893.0	0.70211	Y
8	IC 140-50646/7	4.0	2.914041	4.8	1060151.0	0.72851	Y
9	IC 140-50646/5	8.0	6.031394	4.8	1052212.0	0.753924	Y
10	IC 140-50646/3	16.0	12.385698	4.8	959637.0	0.774106	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

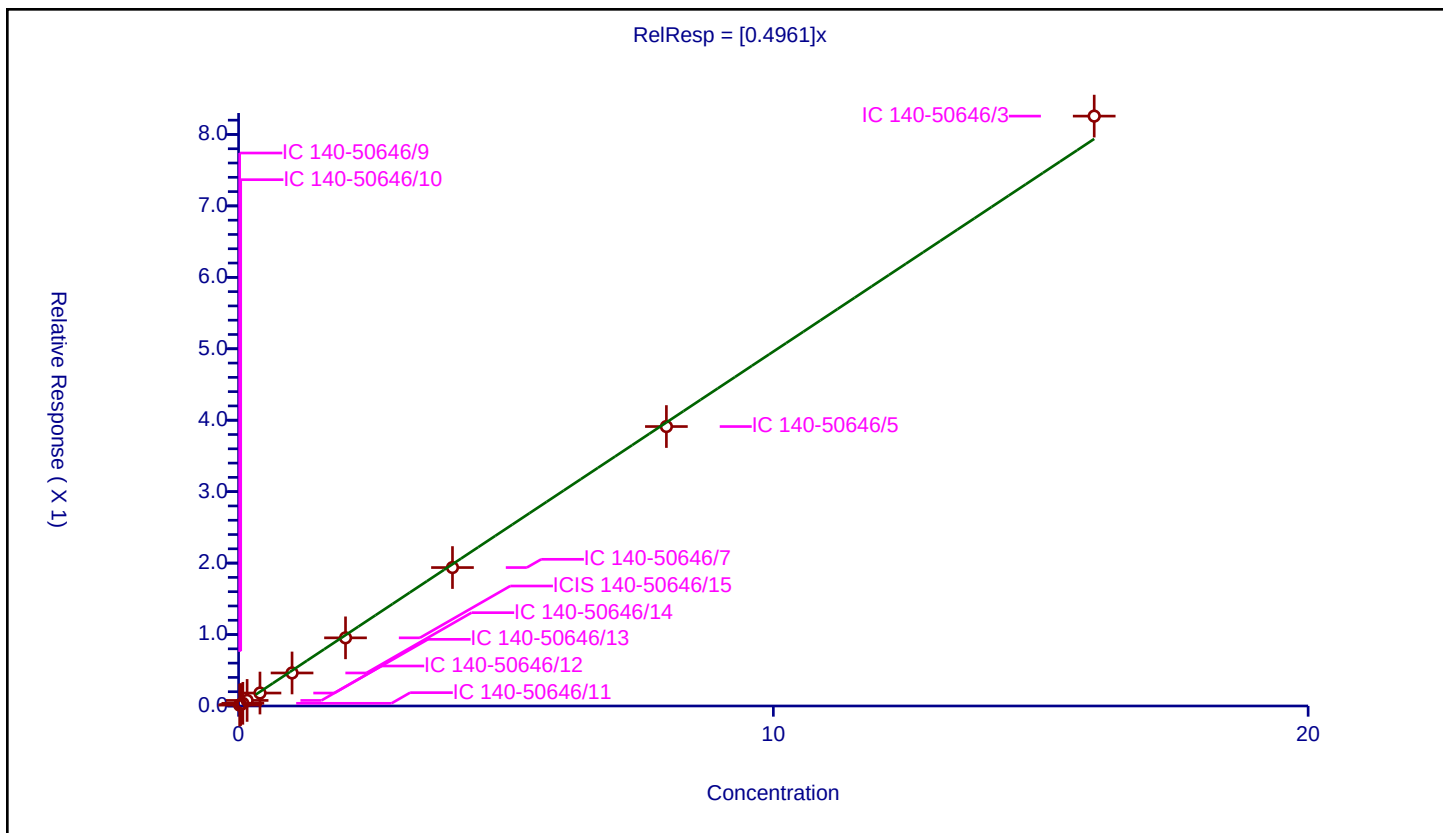
Curve Coefficients

Intercept: 0
 Slope: 0.4961

Error Coefficients

Standard Error: 640000
 Relative Standard Error: 8.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.012112	4.8	959848.0	0.605596	Y
2	IC 140-50646/10	0.04	0.020814	4.8	904221.0	0.52036	Y
3	IC 140-50646/11	0.08	0.037439	4.8	857465.0	0.467984	Y
4	IC 140-50646/12	0.16	0.077713	4.8	847616.0	0.485703	Y
5	IC 140-50646/13	0.4	0.181095	4.8	885413.0	0.452738	Y
6	IC 140-50646/14	1.0	0.462154	4.8	894154.0	0.462154	Y
7	ICIS 140-50646/15	2.0	0.953913	4.8	934893.0	0.476956	Y
8	IC 140-50646/7	4.0	1.937656	4.8	1060151.0	0.484414	Y
9	IC 140-50646/5	8.0	3.911417	4.8	1052212.0	0.488927	Y
10	IC 140-50646/3	16.0	8.256712	4.8	959637.0	0.516045	Y



Calibration

/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

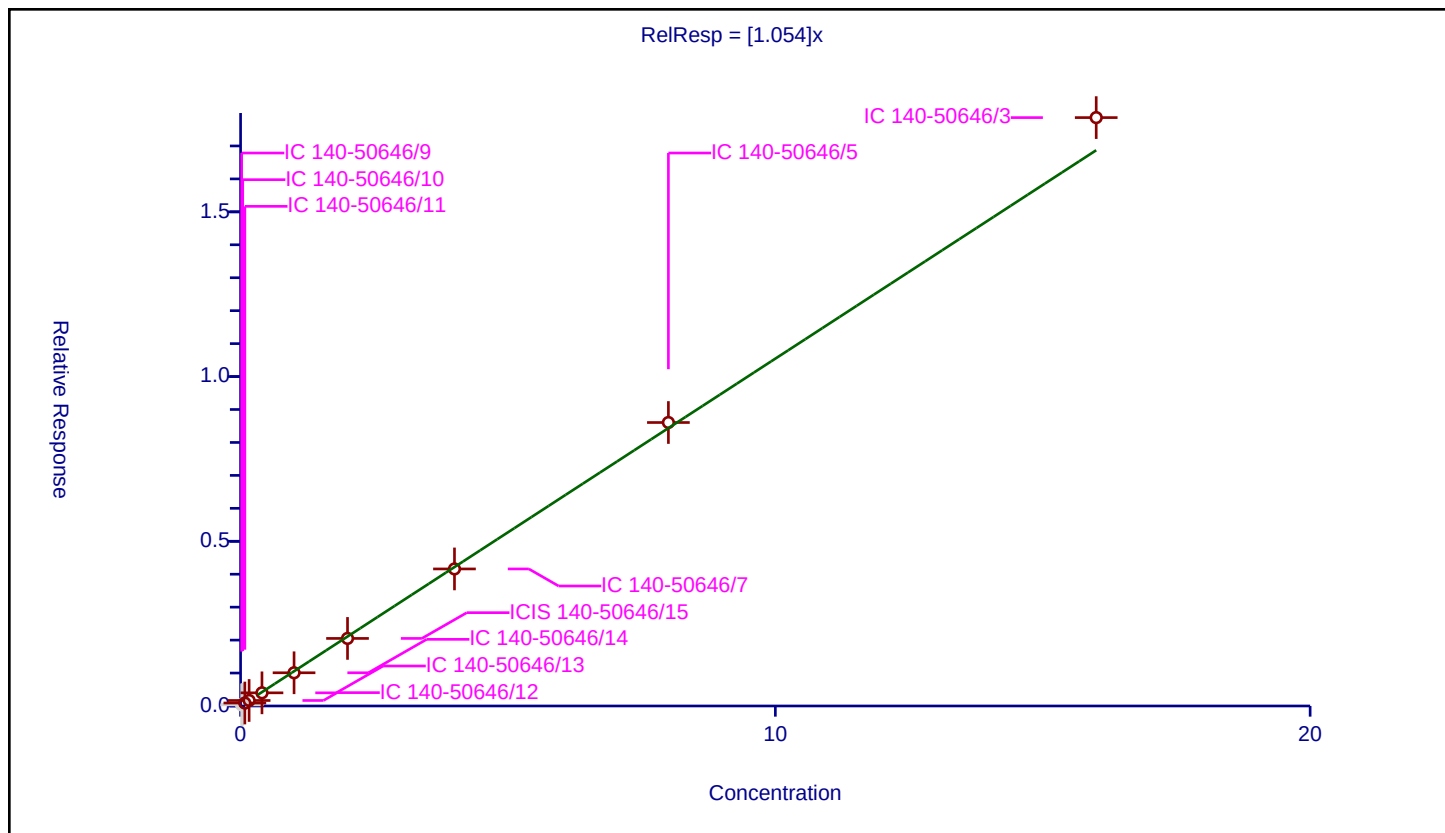
Curve Coefficients

Intercept: 0
 Slope: 1.054

Error Coefficients

Standard Error: 1570000
 Relative Standard Error: 4.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.033755	4.8	959848.0	1.687767	N
2	IC 140-50646/10	0.04	0.050887	4.8	904221.0	1.272167	N
3	IC 140-50646/11	0.08	0.090009	4.8	857465.0	1.125107	Y
4	IC 140-50646/12	0.16	0.167363	4.8	847616.0	1.046016	Y
5	IC 140-50646/13	0.4	0.39919	4.8	885413.0	0.997975	Y
6	IC 140-50646/14	1.0	1.008283	4.8	894154.0	1.008283	Y
7	ICIS 140-50646/15	2.0	2.051046	4.8	934893.0	1.025523	Y
8	IC 140-50646/7	4.0	4.160636	4.8	1060151.0	1.040159	Y
9	IC 140-50646/5	8.0	8.605209	4.8	1052212.0	1.075651	Y
10	IC 140-50646/3	16.0	17.860844	4.8	959637.0	1.116303	Y



Calibration

/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

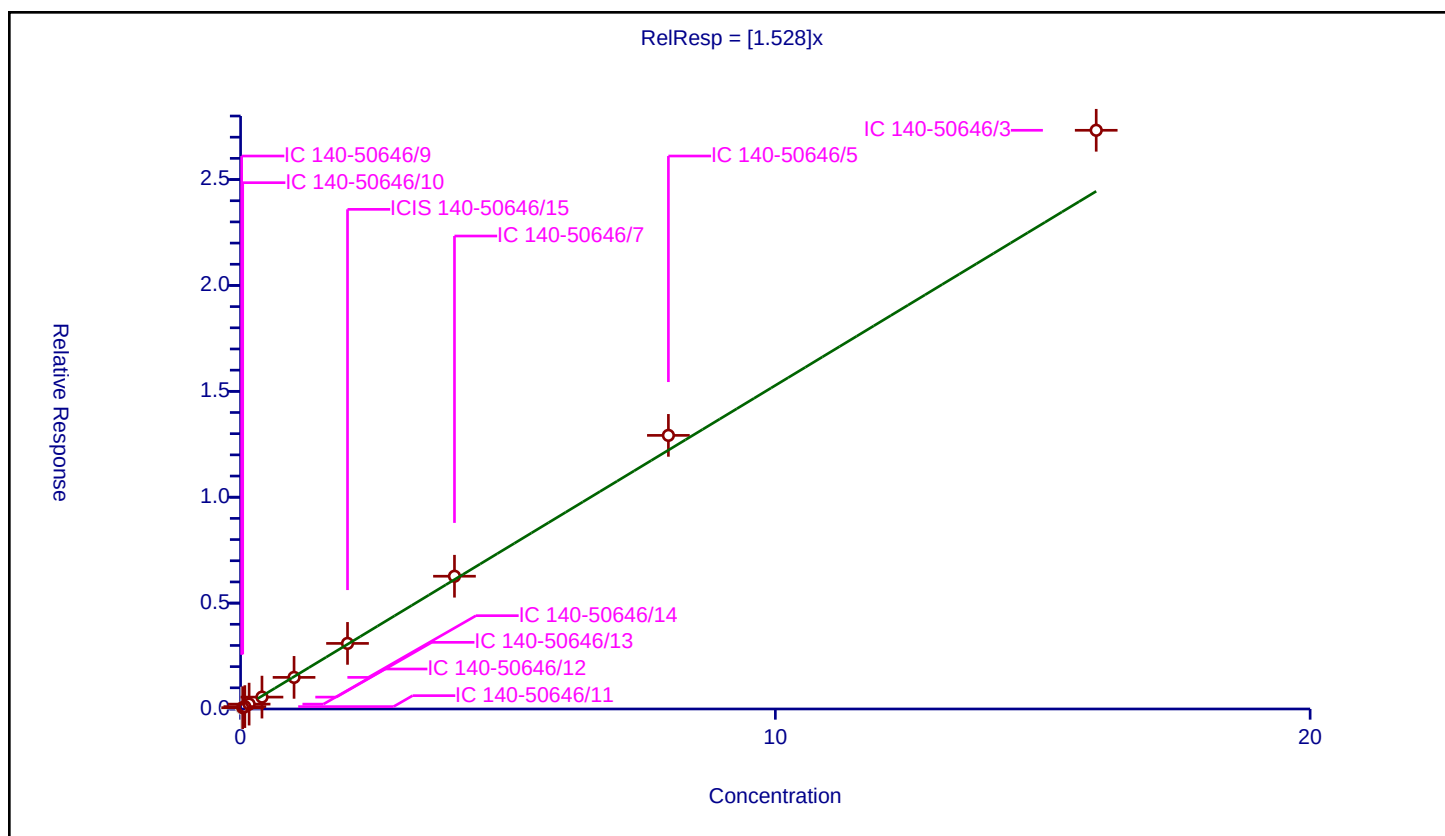
Curve Coefficients

Intercept: 0
Slope: 1.528

Error Coefficients

Standard Error: 2240000
Relative Standard Error: 6.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.041011	4.8	959848.0	2.050575	N
2	IC 140-50646/10	0.04	0.062565	4.8	904221.0	1.564131	Y
3	IC 140-50646/11	0.08	0.113195	4.8	857465.0	1.414938	Y
4	IC 140-50646/12	0.16	0.230057	4.8	847616.0	1.437856	Y
5	IC 140-50646/13	0.4	0.561484	4.8	885413.0	1.403711	Y
6	IC 140-50646/14	1.0	1.492183	4.8	894154.0	1.492183	Y
7	ICIS 140-50646/15	2.0	3.097053	4.8	934893.0	1.548526	Y
8	IC 140-50646/7	4.0	6.268686	4.8	1060151.0	1.567171	Y
9	IC 140-50646/5	8.0	12.919412	4.8	1052212.0	1.614926	Y
10	IC 140-50646/3	16.0	27.326593	4.8	959637.0	1.707912	Y



Calibration

/ m-Xylene & p-Xylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

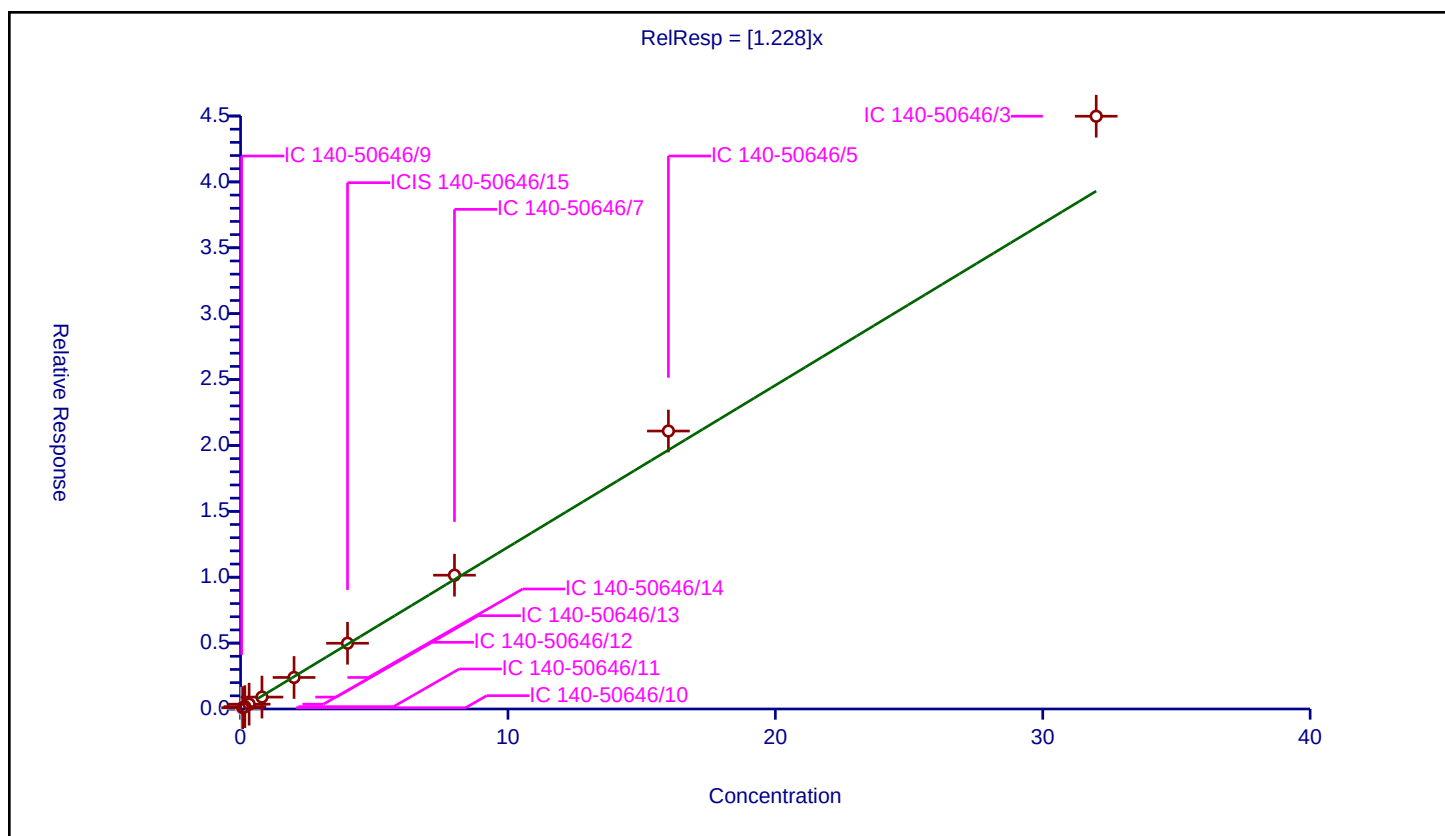
Curve Coefficients

Intercept: 0
 Slope: 1.228

Error Coefficients

Standard Error: 3680000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.04	0.059469	4.8	959848.0	1.486735	N
2	IC 140-50646/10	0.08	0.097888	4.8	904221.0	1.223595	Y
3	IC 140-50646/11	0.16	0.179603	4.8	857465.0	1.122518	Y
4	IC 140-50646/12	0.32	0.365594	4.8	847616.0	1.142481	Y
5	IC 140-50646/13	0.8	0.902581	4.8	885413.0	1.128226	Y
6	IC 140-50646/14	2.0	2.392533	4.8	894154.0	1.196266	Y
7	ICIS 140-50646/15	4.0	4.988977	4.8	934893.0	1.247244	Y
8	IC 140-50646/7	8.0	10.15448	4.8	1060151.0	1.26931	Y
9	IC 140-50646/5	16.0	21.09492	4.8	1052212.0	1.318433	Y
10	IC 140-50646/3	32.0	44.984325	4.8	959637.0	1.40576	Y



Calibration

/ n-Nonane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

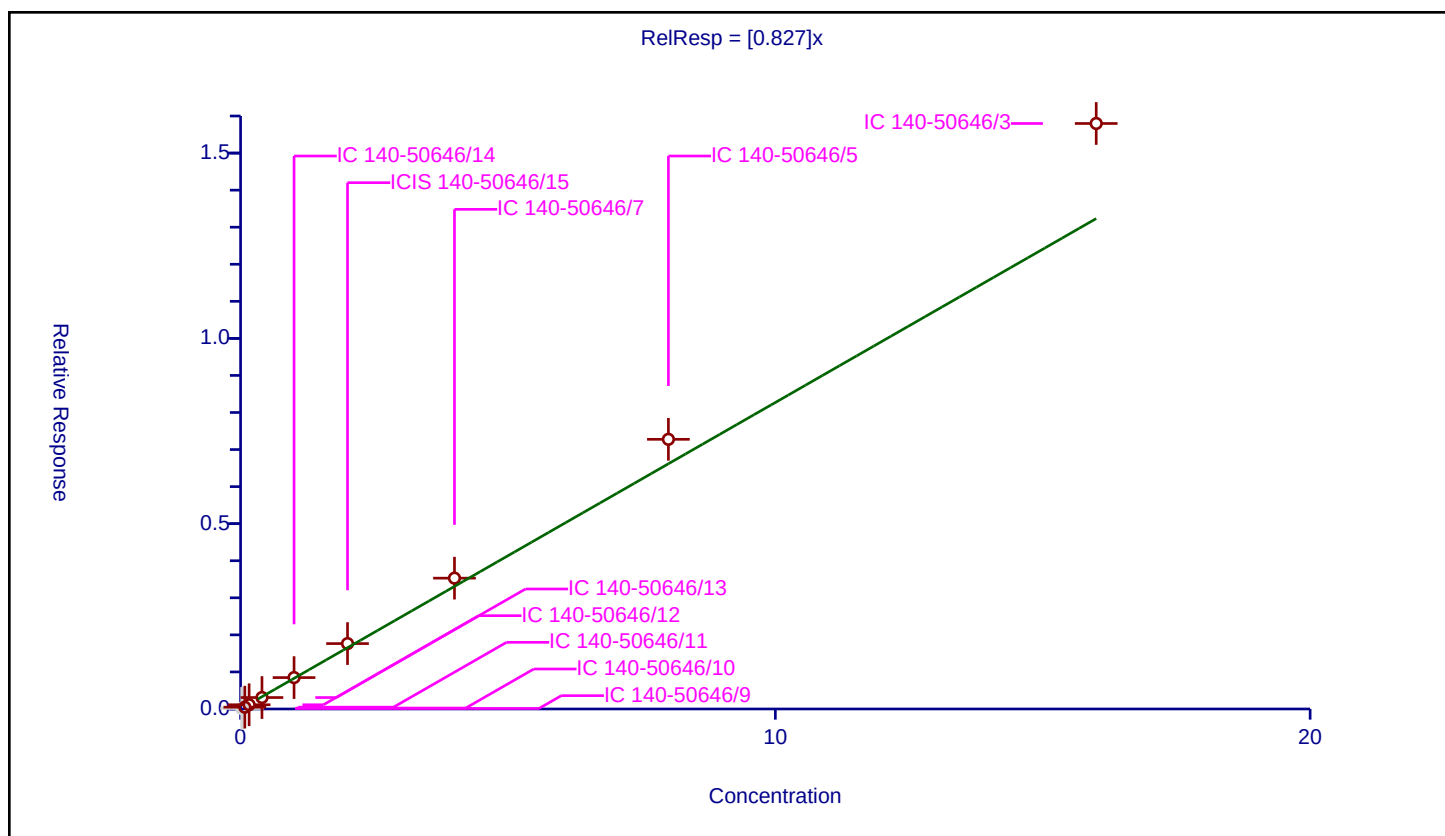
Curve Coefficients

Intercept: 0
 Slope: 0.827

Error Coefficients

Standard Error: 1380000
 Relative Standard Error: 14.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.014797	4.8	959848.0	0.739867	N
2	IC 140-50646/10	0.04	0.025688	4.8	904221.0	0.642188	N
3	IC 140-50646/11	0.08	0.049631	4.8	857465.0	0.620387	Y
4	IC 140-50646/12	0.16	0.11408	4.8	847616.0	0.713	Y
5	IC 140-50646/13	0.4	0.309372	4.8	885413.0	0.773429	Y
6	IC 140-50646/14	1.0	0.847526	4.8	894154.0	0.847526	Y
7	ICIS 140-50646/15	2.0	1.764774	4.8	934893.0	0.882387	Y
8	IC 140-50646/7	4.0	3.530074	4.8	1060151.0	0.882518	Y
9	IC 140-50646/5	8.0	7.276205	4.8	1052212.0	0.909526	Y
10	IC 140-50646/3	16.0	15.798754	4.8	959637.0	0.987422	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

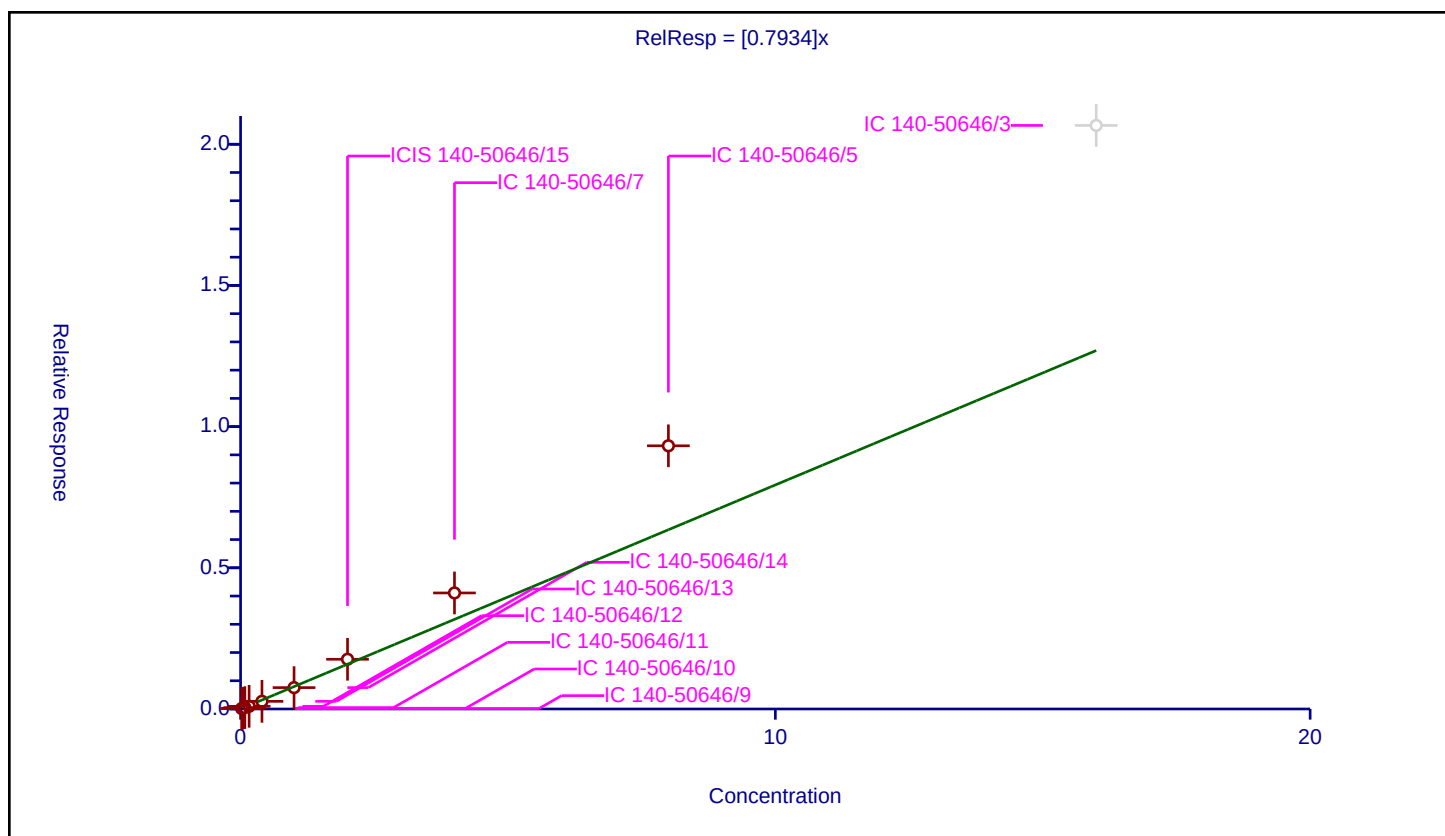
Curve Coefficients

Intercept: 0
Slope: 0.7934

Error Coefficients

Standard Error: 801000
Relative Standard Error: 24.8
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.931

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.015612	4.8	959848.0	0.780624	Y
2	IC 140-50646/10	0.04	0.026372	4.8	904221.0	0.659308	Y
3	IC 140-50646/11	0.08	0.04822	4.8	857465.0	0.602753	Y
4	IC 140-50646/12	0.16	0.094662	4.8	847616.0	0.591636	Y
5	IC 140-50646/13	0.4	0.270691	4.8	885413.0	0.676728	Y
6	IC 140-50646/14	1.0	0.756836	4.8	894154.0	0.756836	Y
7	ICIS 140-50646/15	2.0	1.760836	4.8	934893.0	0.880418	Y
8	IC 140-50646/7	4.0	4.109415	4.8	1060151.0	1.027354	Y
9	IC 140-50646/5	8.0	9.321036	4.8	1052212.0	1.165129	Y
10	IC 140-50646/3	16.0	20.666359	4.8	959637.0	1.291647	N



Calibration

/ Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

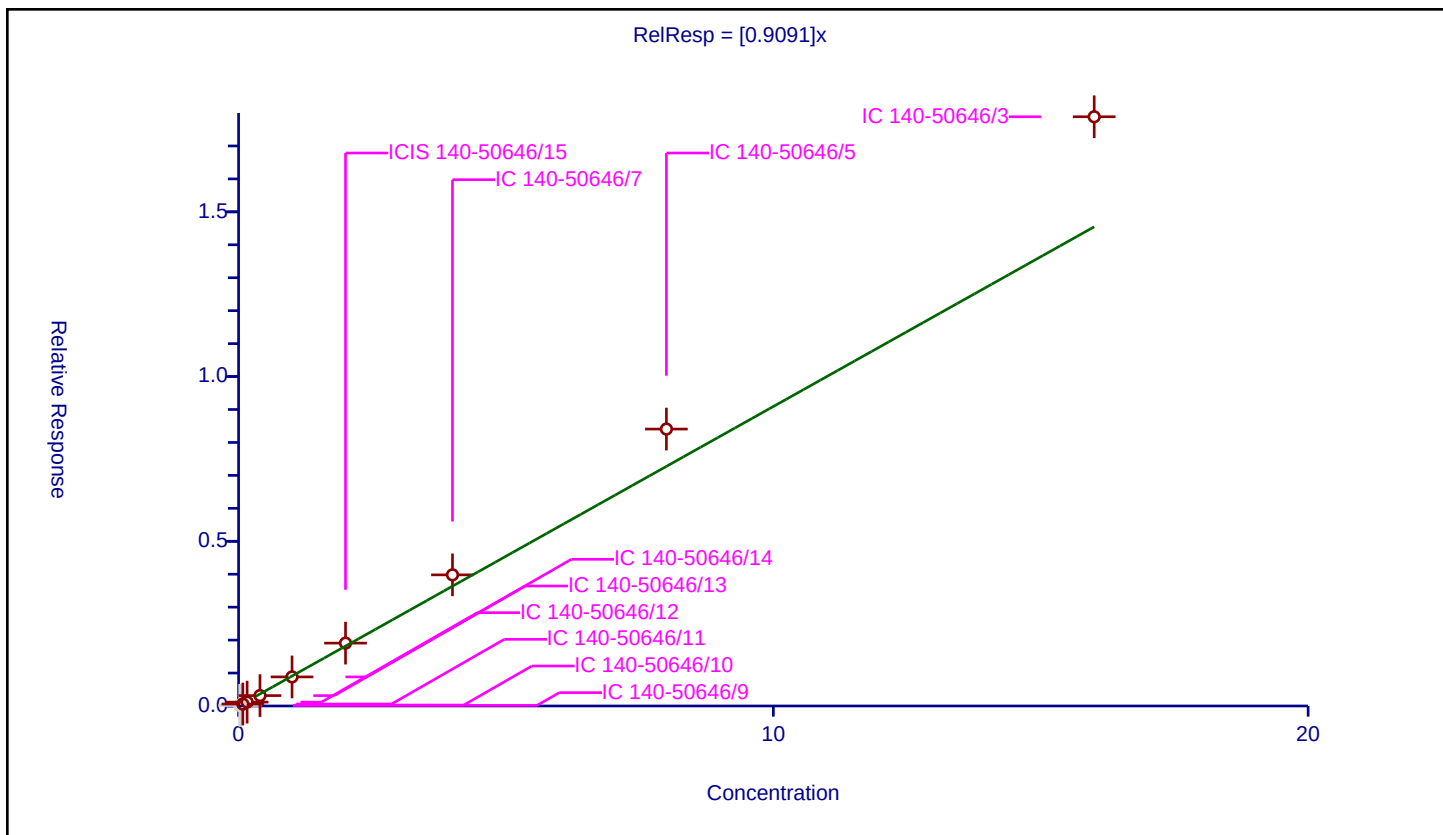
Curve Coefficients

Intercept: 0
 Slope: 0.9091

Error Coefficients

Standard Error: 1560000
 Relative Standard Error: 15.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.017608	4.8	959848.0	0.880389	N
2	IC 140-50646/10	0.04	0.028076	4.8	904221.0	0.701908	N
3	IC 140-50646/11	0.08	0.059825	4.8	857465.0	0.747809	Y
4	IC 140-50646/12	0.16	0.117931	4.8	847616.0	0.737067	Y
5	IC 140-50646/13	0.4	0.315161	4.8	885413.0	0.787903	Y
6	IC 140-50646/14	1.0	0.882414	4.8	894154.0	0.882414	Y
7	ICIS 140-50646/15	2.0	1.908175	4.8	934893.0	0.954087	Y
8	IC 140-50646/7	4.0	3.980331	4.8	1060151.0	0.995083	Y
9	IC 140-50646/5	8.0	8.406113	4.8	1052212.0	1.050764	Y
10	IC 140-50646/3	16.0	17.886263	4.8	959637.0	1.117891	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

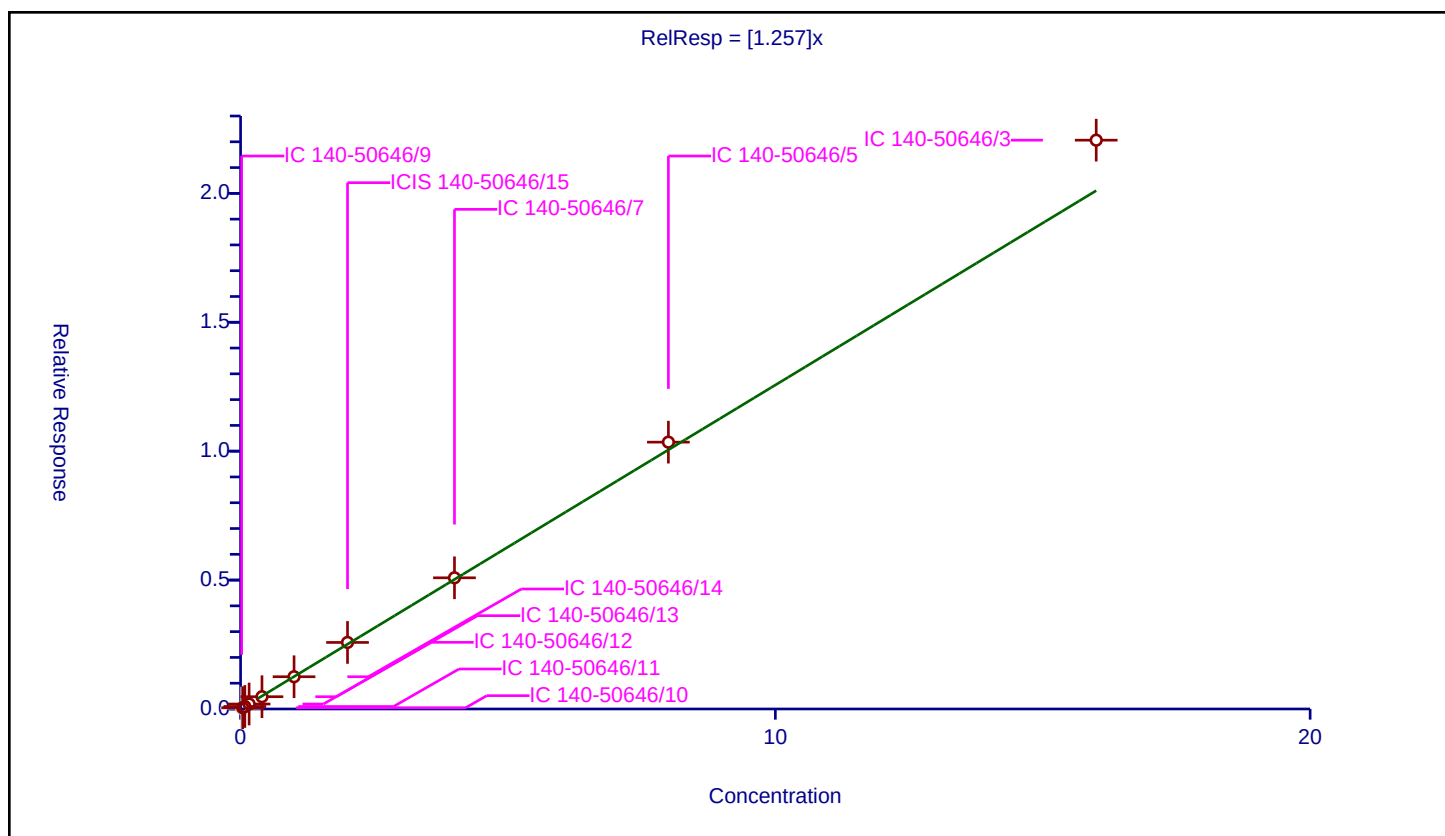
Curve Coefficients

Intercept: 0
Slope: 1.257

Error Coefficients

Standard Error: 1810000
Relative Standard Error: 4.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.03426	4.8	959848.0	1.713021	N
2	IC 140-50646/10	0.04	0.049007	4.8	904221.0	1.225187	Y
3	IC 140-50646/11	0.08	0.09634	4.8	857465.0	1.204247	Y
4	IC 140-50646/12	0.16	0.192585	4.8	847616.0	1.203658	Y
5	IC 140-50646/13	0.4	0.475905	4.8	885413.0	1.189763	Y
6	IC 140-50646/14	1.0	1.250684	4.8	894154.0	1.250684	Y
7	ICIS 140-50646/15	2.0	2.581391	4.8	934893.0	1.290696	Y
8	IC 140-50646/7	4.0	5.088117	4.8	1060151.0	1.272029	Y
9	IC 140-50646/5	8.0	10.35005	4.8	1052212.0	1.293756	Y
10	IC 140-50646/3	16.0	22.063153	4.8	959637.0	1.378947	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

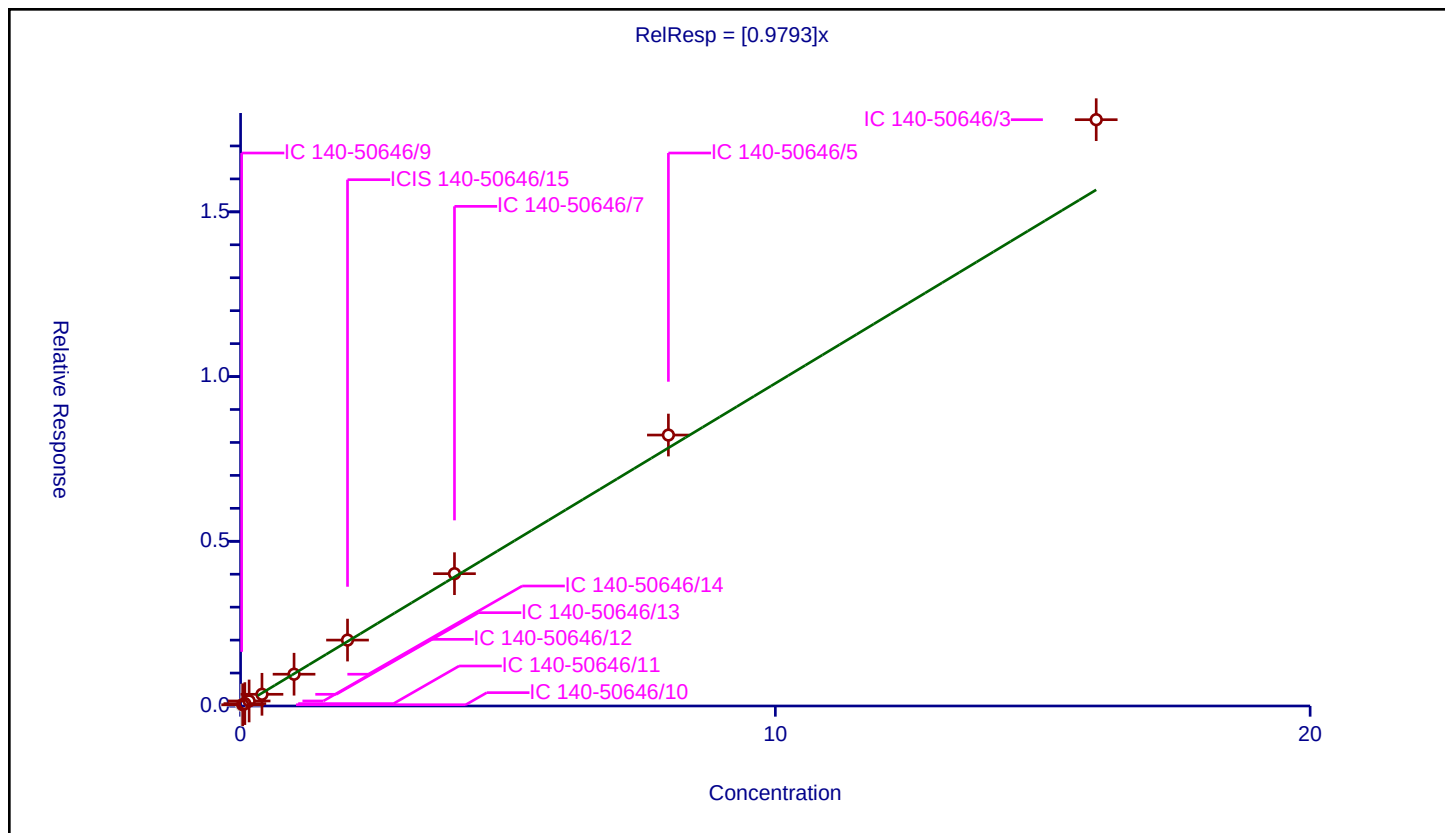
Curve Coefficients

Intercept: 0
 Slope: 0.9793

Error Coefficients

Standard Error: 1450000
 Relative Standard Error: 6.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.024504	4.8	959848.0	1.225194	N
2	IC 140-50646/10	0.04	0.038162	4.8	904221.0	0.954059	Y
3	IC 140-50646/11	0.08	0.07275	4.8	857465.0	0.909378	Y
4	IC 140-50646/12	0.16	0.152571	4.8	847616.0	0.953569	Y
5	IC 140-50646/13	0.4	0.354931	4.8	885413.0	0.887328	Y
6	IC 140-50646/14	1.0	0.964612	4.8	894154.0	0.964612	Y
7	ICIS 140-50646/15	2.0	2.00053	4.8	934893.0	1.000265	Y
8	IC 140-50646/7	4.0	4.016317	4.8	1060151.0	1.004079	Y
9	IC 140-50646/5	8.0	8.224717	4.8	1052212.0	1.02809	Y
10	IC 140-50646/3	16.0	17.797495	4.8	959637.0	1.112343	Y



Calibration

/ 1,2,3-Trichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

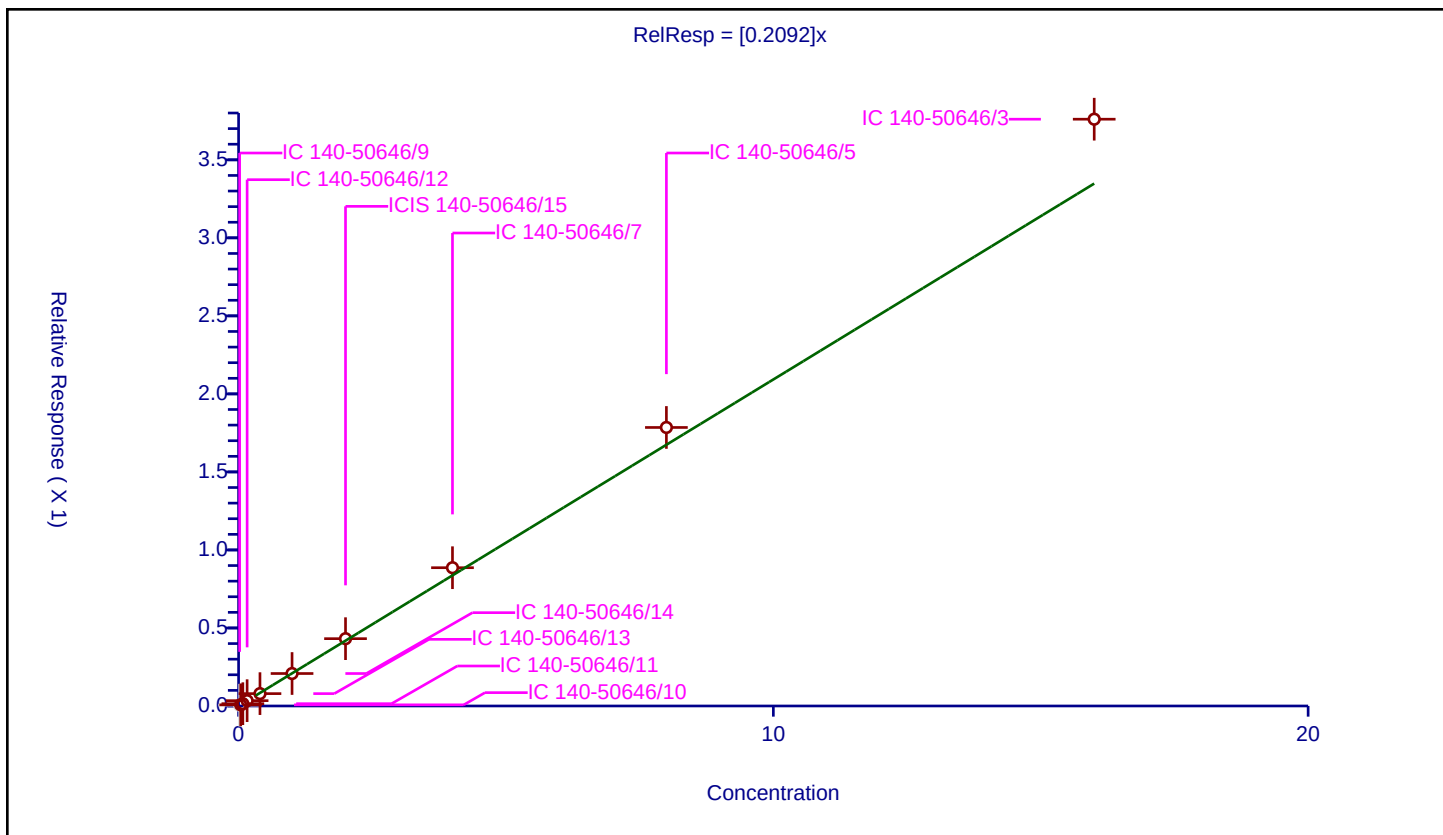
Curve Coefficients

Intercept: 0
 Slope: 0.2092

Error Coefficients

Standard Error: 309000
 Relative Standard Error: 8.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.005256	4.8	959848.0	0.262792	N
2	IC 140-50646/10	0.04	0.007384	4.8	904221.0	0.184601	Y
3	IC 140-50646/11	0.08	0.014717	4.8	857465.0	0.183961	Y
4	IC 140-50646/12	0.16	0.034108	4.8	847616.0	0.213174	Y
5	IC 140-50646/13	0.4	0.079177	4.8	885413.0	0.197942	Y
6	IC 140-50646/14	1.0	0.208109	4.8	894154.0	0.208109	Y
7	ICIS 140-50646/15	2.0	0.431403	4.8	934893.0	0.215701	Y
8	IC 140-50646/7	4.0	0.886112	4.8	1060151.0	0.221528	Y
9	IC 140-50646/5	8.0	1.784903	4.8	1052212.0	0.223113	Y
10	IC 140-50646/3	16.0	3.760417	4.8	959637.0	0.235026	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

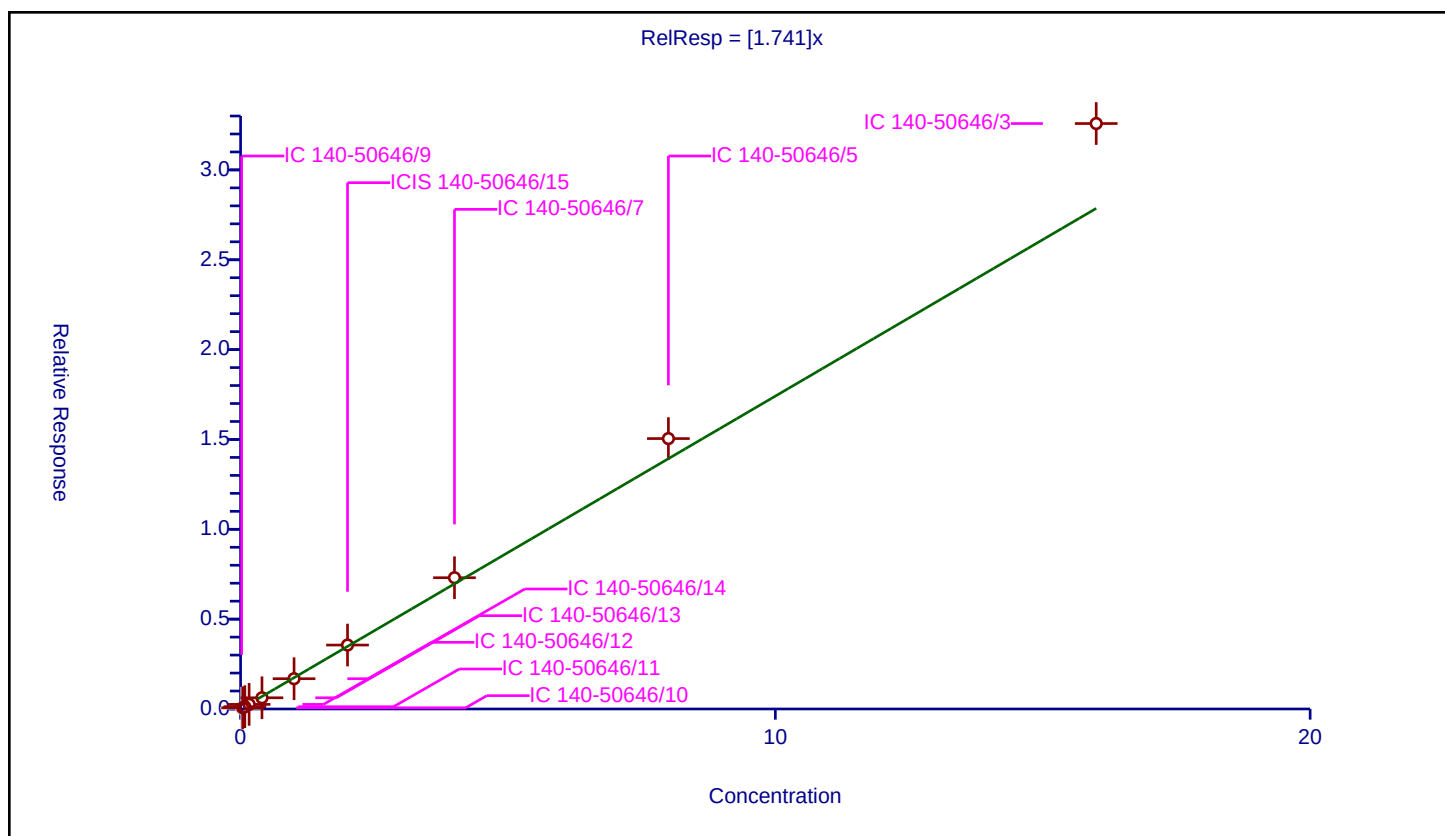
Curve Coefficients

Intercept: 0
 Slope: 1.741

Error Coefficients

Standard Error: 2660000
 Relative Standard Error: 8.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.044107	4.8	959848.0	2.205349	N
2	IC 140-50646/10	0.04	0.068097	4.8	904221.0	1.702416	Y
3	IC 140-50646/11	0.08	0.128029	4.8	857465.0	1.600369	Y
4	IC 140-50646/12	0.16	0.256039	4.8	847616.0	1.600241	Y
5	IC 140-50646/13	0.4	0.623698	4.8	885413.0	1.559245	Y
6	IC 140-50646/14	1.0	1.685218	4.8	894154.0	1.685218	Y
7	ICIS 140-50646/15	2.0	3.558557	4.8	934893.0	1.779279	Y
8	IC 140-50646/7	4.0	7.305483	4.8	1060151.0	1.826371	Y
9	IC 140-50646/5	8.0	15.049635	4.8	1052212.0	1.881204	Y
10	IC 140-50646/3	16.0	32.581905	4.8	959637.0	2.036369	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

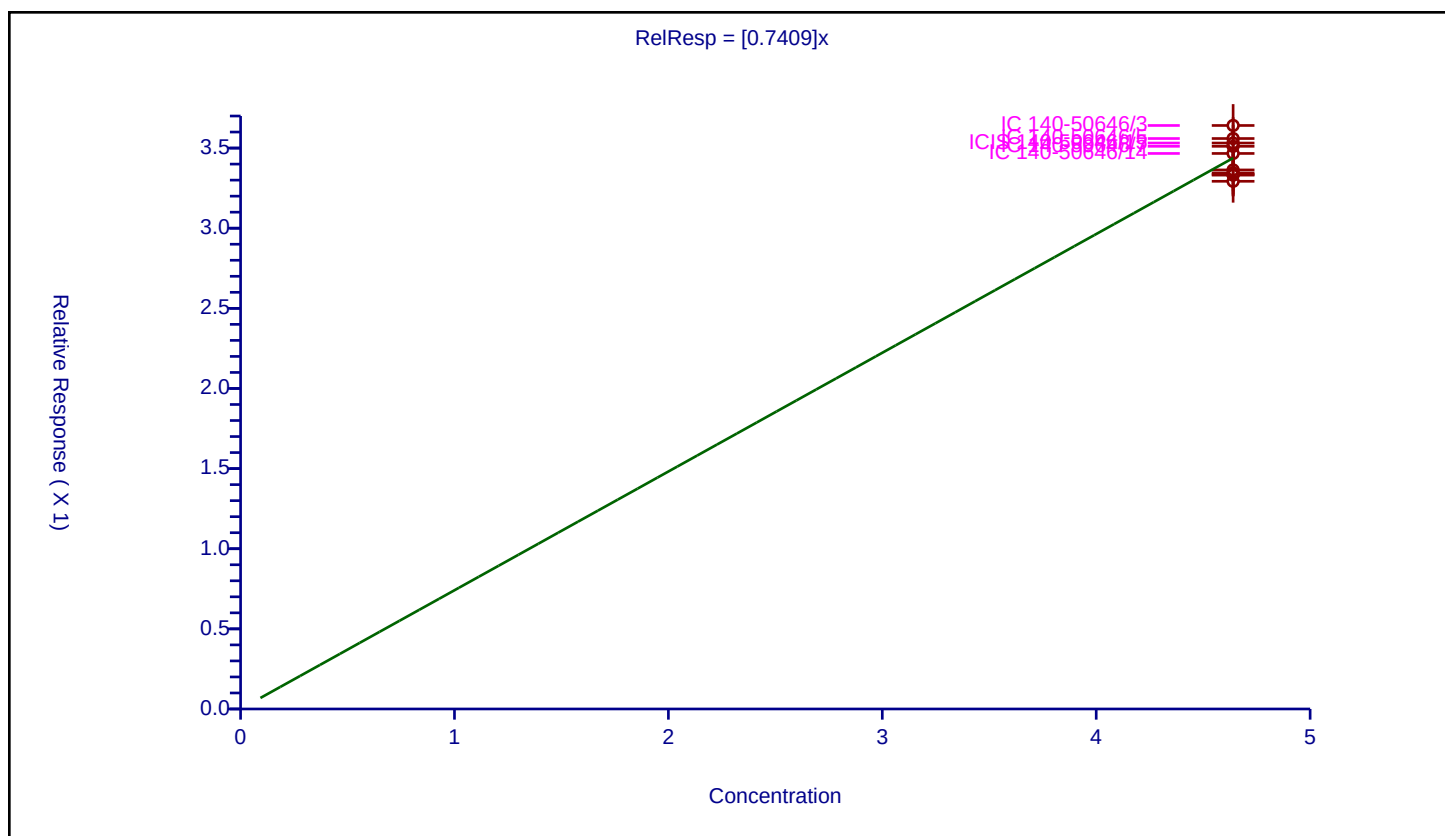
Curve Coefficients

Intercept: 0
 Slope: 0.7409

Error Coefficients

Standard Error: 711000
 Relative Standard Error: 3.5
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/3	4.64	3.640857	4.8	959637.0	0.784667	Y
2	IC 140-50646/5	4.64	3.559569	4.8	1052212.0	0.767148	Y
3	IC 140-50646/7	4.64	3.510949	4.8	1060151.0	0.75667	Y
4	IC 140-50646/9	4.64	3.344475	4.8	959848.0	0.720792	Y
5	IC 140-50646/10	4.64	3.292606	4.8	904221.0	0.709613	Y
6	IC 140-50646/11	4.64	3.335187	4.8	857465.0	0.71879	Y
7	IC 140-50646/12	4.64	3.331022	4.8	847616.0	0.717893	Y
8	IC 140-50646/13	4.64	3.363561	4.8	885413.0	0.724905	Y
9	IC 140-50646/14	4.64	3.466458	4.8	894154.0	0.747081	Y
10	ICIS 140-50646/15	4.64	3.531377	4.8	934893.0	0.761073	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

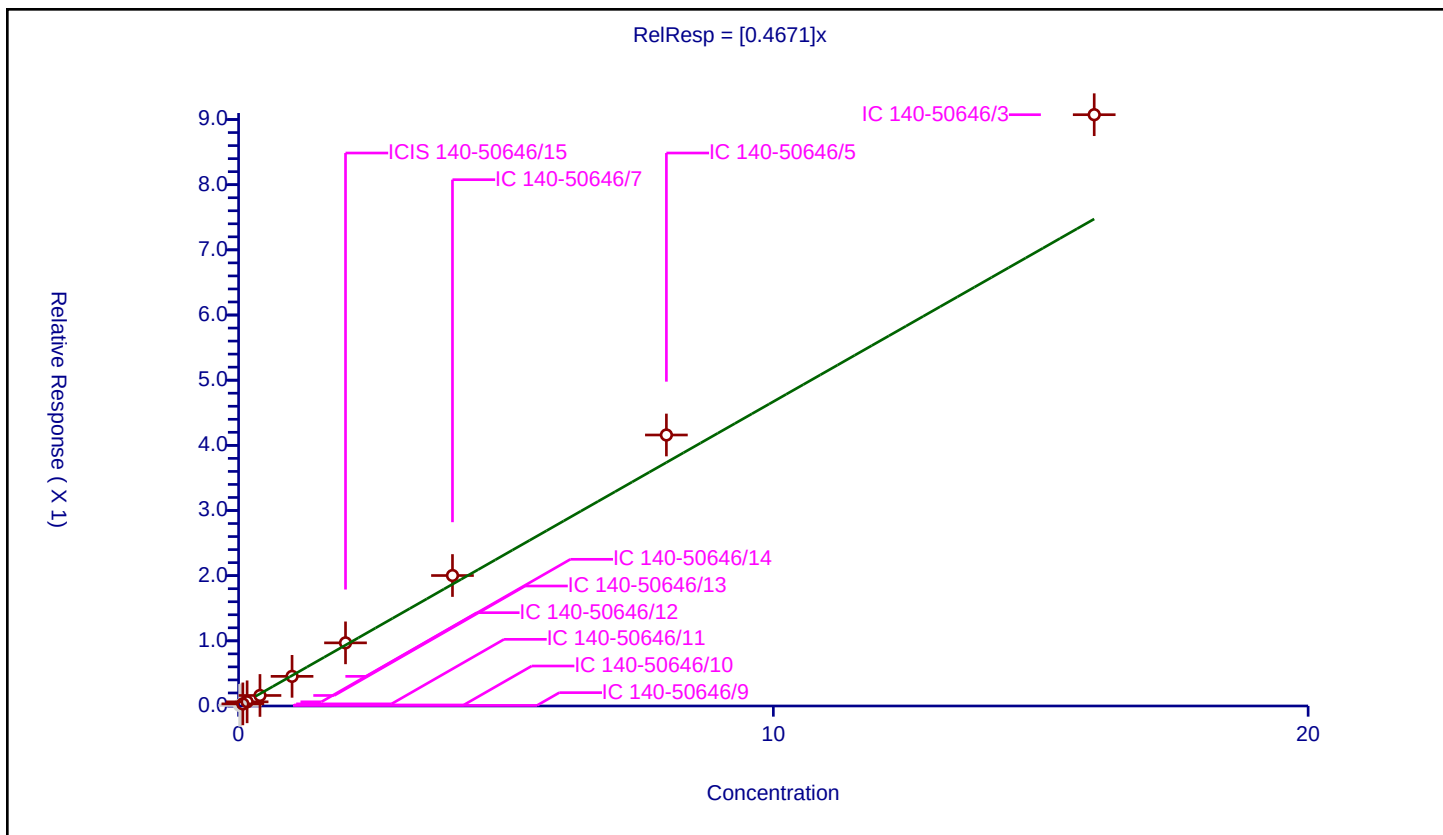
Curve Coefficients

Intercept: 0
 Slope: 0.4671

Error Coefficients

Standard Error: 789000
 Relative Standard Error: 13.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.008806	4.8	959848.0	0.44032	N
2	IC 140-50646/10	0.04	0.015729	4.8	904221.0	0.393222	N
3	IC 140-50646/11	0.08	0.032574	4.8	857465.0	0.407177	Y
4	IC 140-50646/12	0.16	0.063912	4.8	847616.0	0.39945	Y
5	IC 140-50646/13	0.4	0.161416	4.8	885413.0	0.40354	Y
6	IC 140-50646/14	1.0	0.454767	4.8	894154.0	0.454767	Y
7	ICIS 140-50646/15	2.0	0.968823	4.8	934893.0	0.484411	Y
8	IC 140-50646/7	4.0	2.002003	4.8	1060151.0	0.500501	Y
9	IC 140-50646/5	8.0	4.158969	4.8	1052212.0	0.519871	Y
10	IC 140-50646/3	16.0	9.074066	4.8	959637.0	0.567129	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

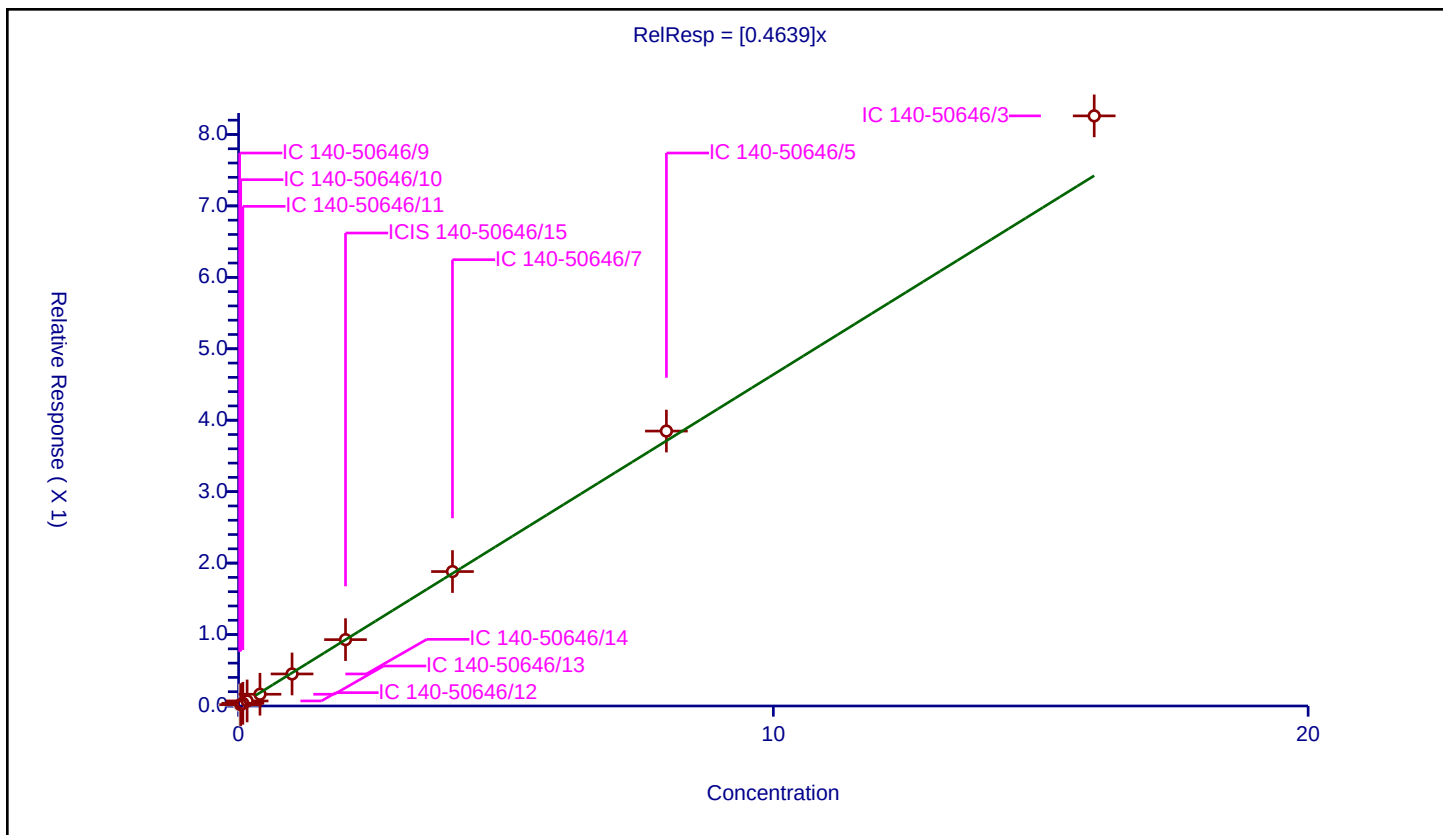
Curve Coefficients

Intercept: 0
 Slope: 0.4639

Error Coefficients

Standard Error: 676000
 Relative Standard Error: 6.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.012667	4.8	959848.0	0.63335	N
2	IC 140-50646/10	0.04	0.018733	4.8	904221.0	0.468337	Y
3	IC 140-50646/11	0.08	0.037943	4.8	857465.0	0.474282	Y
4	IC 140-50646/12	0.16	0.070628	4.8	847616.0	0.441426	Y
5	IC 140-50646/13	0.4	0.164371	4.8	885413.0	0.410927	Y
6	IC 140-50646/14	1.0	0.448358	4.8	894154.0	0.448358	Y
7	ICIS 140-50646/15	2.0	0.928673	4.8	934893.0	0.464336	Y
8	IC 140-50646/7	4.0	1.881812	4.8	1060151.0	0.470453	Y
9	IC 140-50646/5	8.0	3.848282	4.8	1052212.0	0.481035	Y
10	IC 140-50646/3	16.0	8.259943	4.8	959637.0	0.516246	Y



Calibration

/ 4-Ethyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

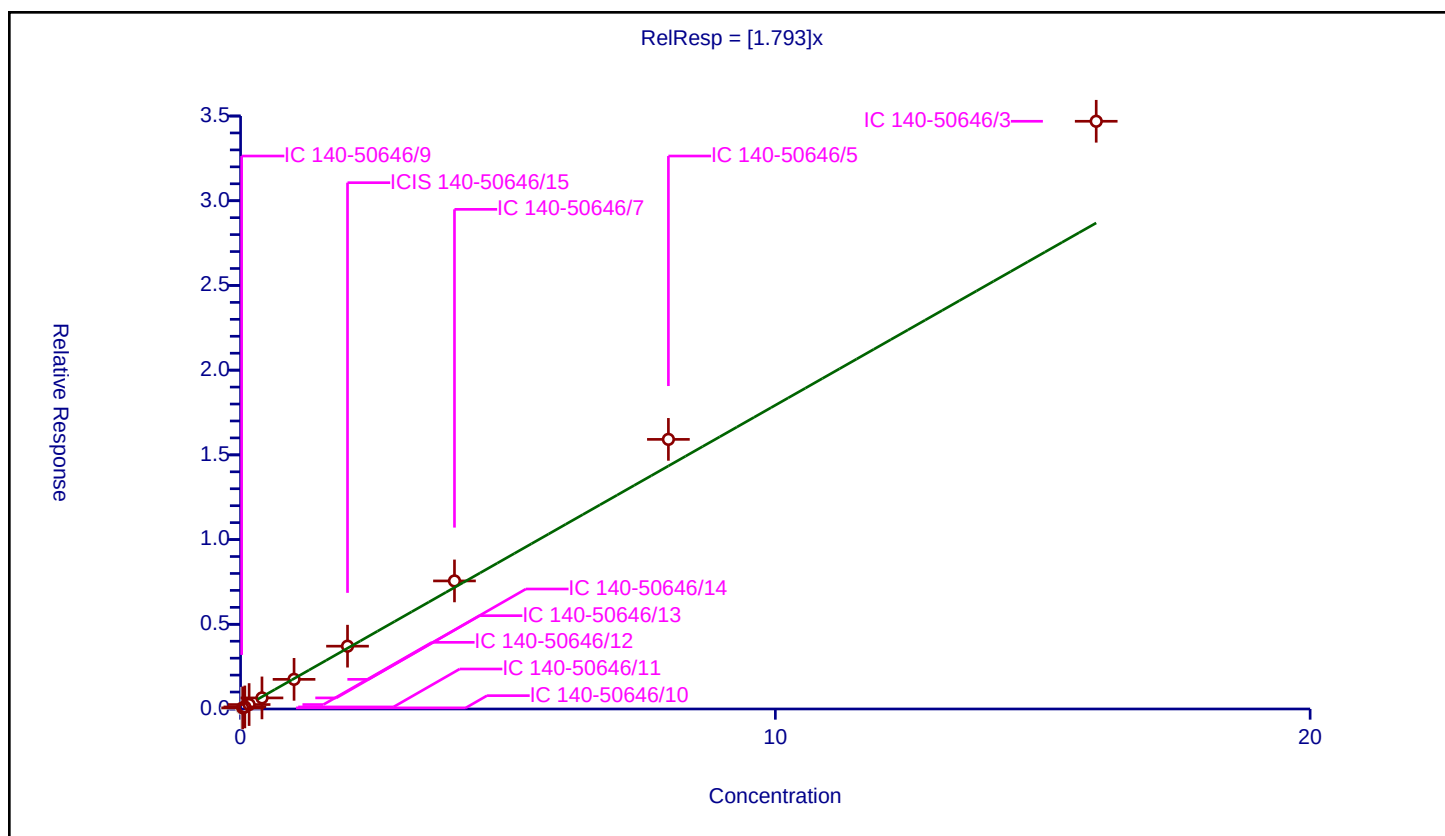
Curve Coefficients

Intercept: 0
Slope: 1.793

Error Coefficients

Standard Error: 2820000
Relative Standard Error: 11.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.042922	4.8	959848.0	2.14609	N
2	IC 140-50646/10	0.04	0.067359	4.8	904221.0	1.683969	Y
3	IC 140-50646/11	0.08	0.122308	4.8	857465.0	1.528855	Y
4	IC 140-50646/12	0.16	0.262545	4.8	847616.0	1.640908	Y
5	IC 140-50646/13	0.4	0.653341	4.8	885413.0	1.633353	Y
6	IC 140-50646/14	1.0	1.749422	4.8	894154.0	1.749422	Y
7	ICIS 140-50646/15	2.0	3.707682	4.8	934893.0	1.853841	Y
8	IC 140-50646/7	4.0	7.558452	4.8	1060151.0	1.889613	Y
9	IC 140-50646/5	8.0	15.913922	4.8	1052212.0	1.98924	Y
10	IC 140-50646/3	16.0	34.689227	4.8	959637.0	2.168077	Y



Calibration

/ 1,3,5-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

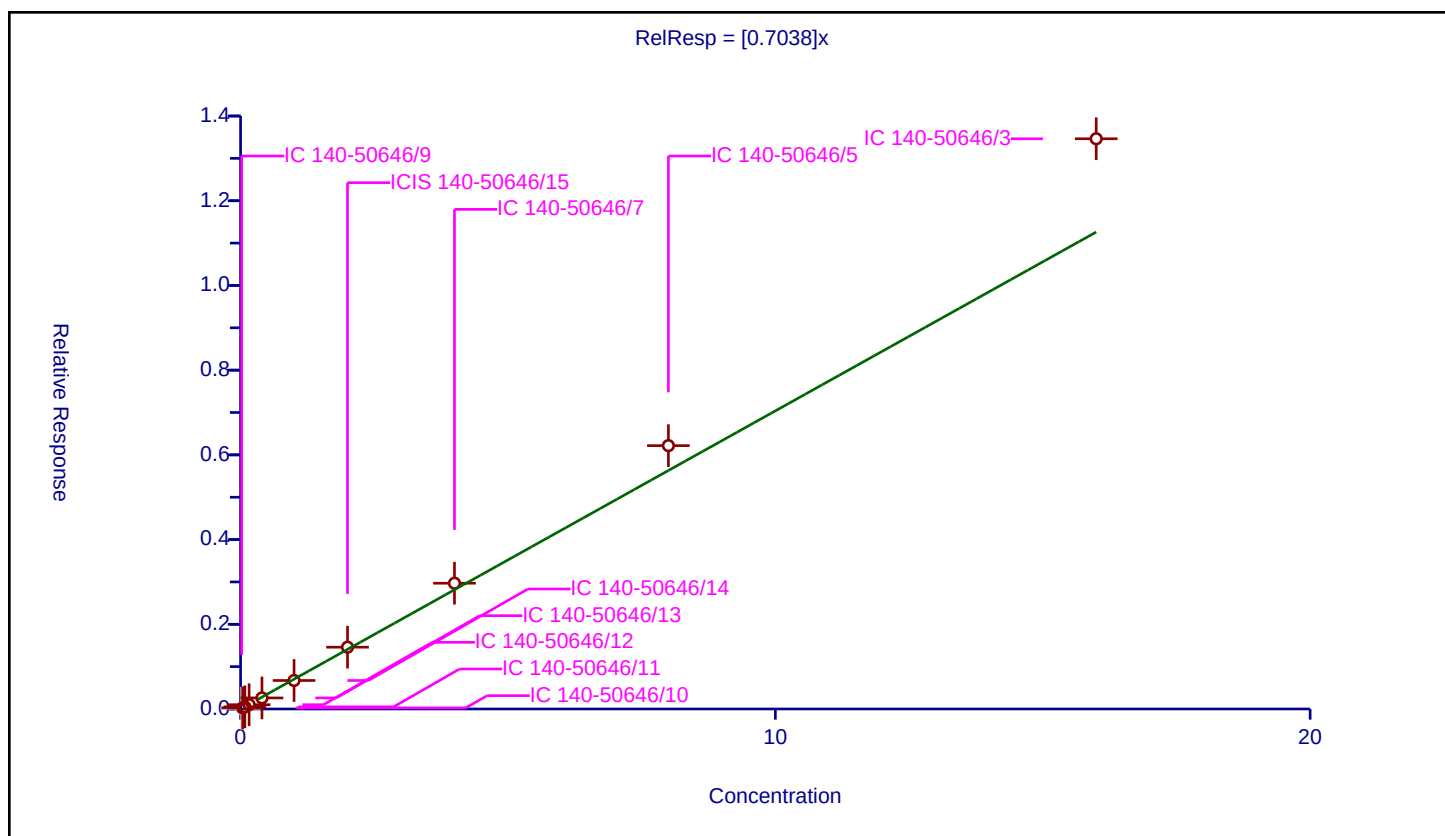
Curve Coefficients

Intercept: 0
 Slope: 0.7038

Error Coefficients

Standard Error: 1100000
 Relative Standard Error: 10.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.016258	4.8	959848.0	0.812879	N
2	IC 140-50646/10	0.04	0.026144	4.8	904221.0	0.653601	Y
3	IC 140-50646/11	0.08	0.050683	4.8	857465.0	0.633542	Y
4	IC 140-50646/12	0.16	0.100891	4.8	847616.0	0.630569	Y
5	IC 140-50646/13	0.4	0.26121	4.8	885413.0	0.653024	Y
6	IC 140-50646/14	1.0	0.672791	4.8	894154.0	0.672791	Y
7	ICIS 140-50646/15	2.0	1.459079	4.8	934893.0	0.72954	Y
8	IC 140-50646/7	4.0	2.96969	4.8	1060151.0	0.742423	Y
9	IC 140-50646/5	8.0	6.217617	4.8	1052212.0	0.777202	Y
10	IC 140-50646/3	16.0	13.462956	4.8	959637.0	0.841435	Y



Calibration

/ Alpha Methyl Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

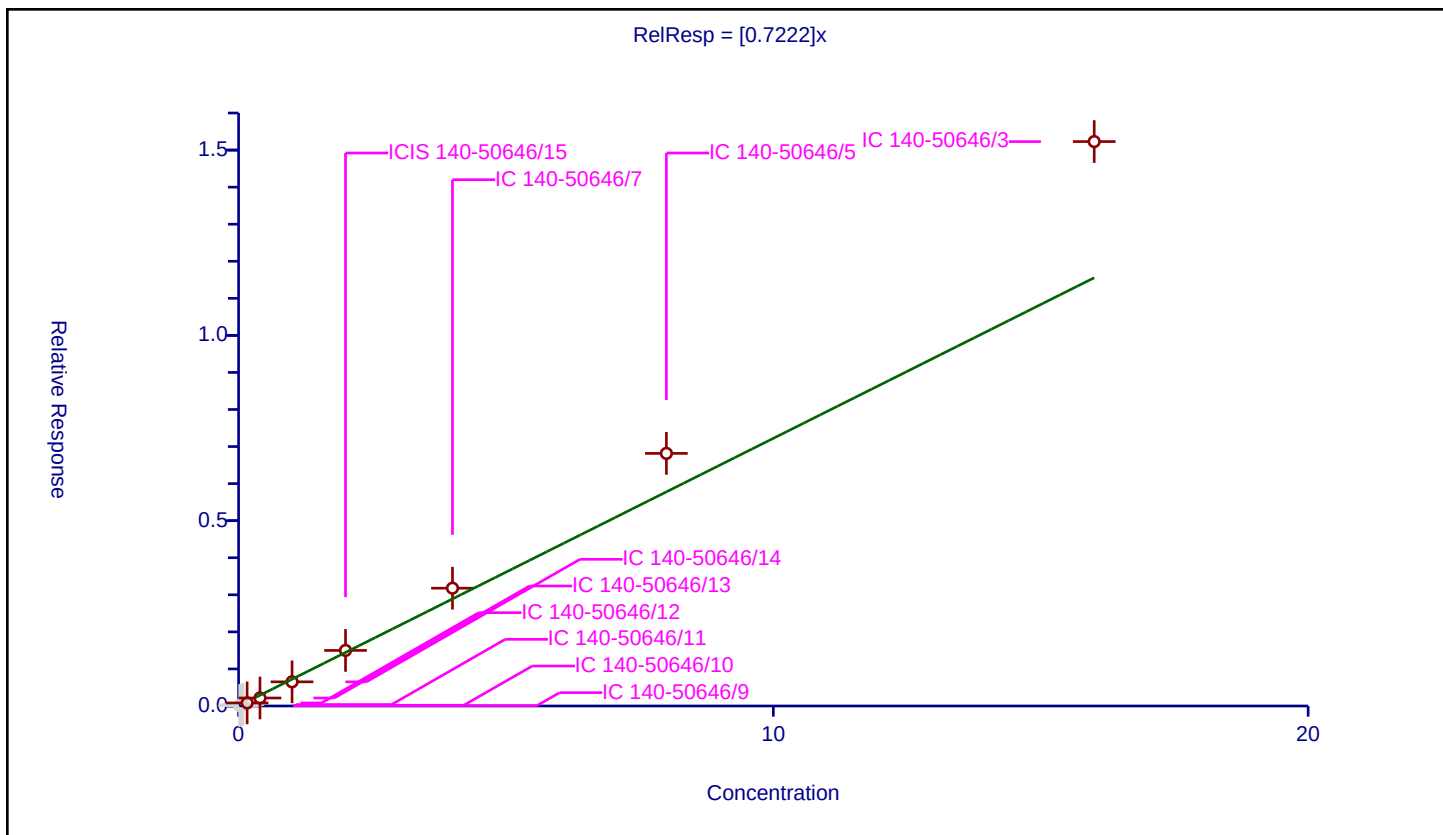
Curve Coefficients

Intercept: 0
 Slope: 0.7222

Error Coefficients

Standard Error: 1420000
 Relative Standard Error: 22.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.011402	4.8	959848.0	0.57009	N
2	IC 140-50646/10	0.04	0.018914	4.8	904221.0	0.472849	N
3	IC 140-50646/11	0.08	0.039387	4.8	857465.0	0.492335	N
4	IC 140-50646/12	0.16	0.082702	4.8	847616.0	0.516885	Y
5	IC 140-50646/13	0.4	0.215547	4.8	885413.0	0.538867	Y
6	IC 140-50646/14	1.0	0.651399	4.8	894154.0	0.651399	Y
7	ICIS 140-50646/15	2.0	1.499486	4.8	934893.0	0.749743	Y
8	IC 140-50646/7	4.0	3.17856	4.8	1060151.0	0.79464	Y
9	IC 140-50646/5	8.0	6.81548	4.8	1052212.0	0.851935	Y
10	IC 140-50646/3	16.0	15.229094	4.8	959637.0	0.951818	Y



Calibration

/ n-Decane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

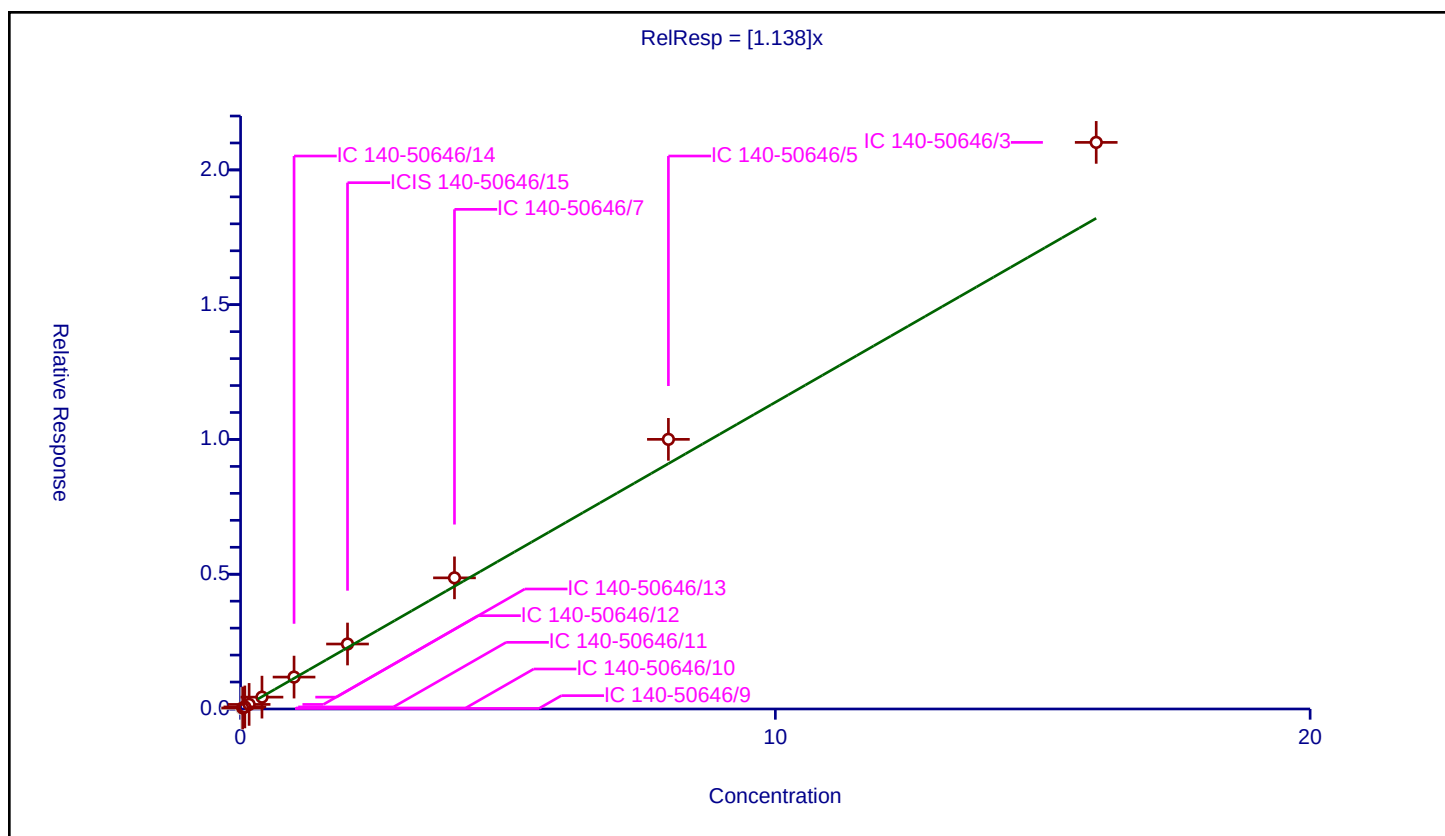
Curve Coefficients

Intercept: 0
 Slope: 1.138

Error Coefficients

Standard Error: 1730000
 Relative Standard Error: 11.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.020158	4.8	959848.0	1.00791	N
2	IC 140-50646/10	0.04	0.038019	4.8	904221.0	0.950476	Y
3	IC 140-50646/11	0.08	0.076674	4.8	857465.0	0.95843	Y
4	IC 140-50646/12	0.16	0.170081	4.8	847616.0	1.063005	Y
5	IC 140-50646/13	0.4	0.439578	4.8	885413.0	1.098945	Y
6	IC 140-50646/14	1.0	1.183973	4.8	894154.0	1.183973	Y
7	ICIS 140-50646/15	2.0	2.410769	4.8	934893.0	1.205385	Y
8	IC 140-50646/7	4.0	4.865484	4.8	1060151.0	1.216371	Y
9	IC 140-50646/5	8.0	10.004396	4.8	1052212.0	1.25055	Y
10	IC 140-50646/3	16.0	21.021519	4.8	959637.0	1.313845	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

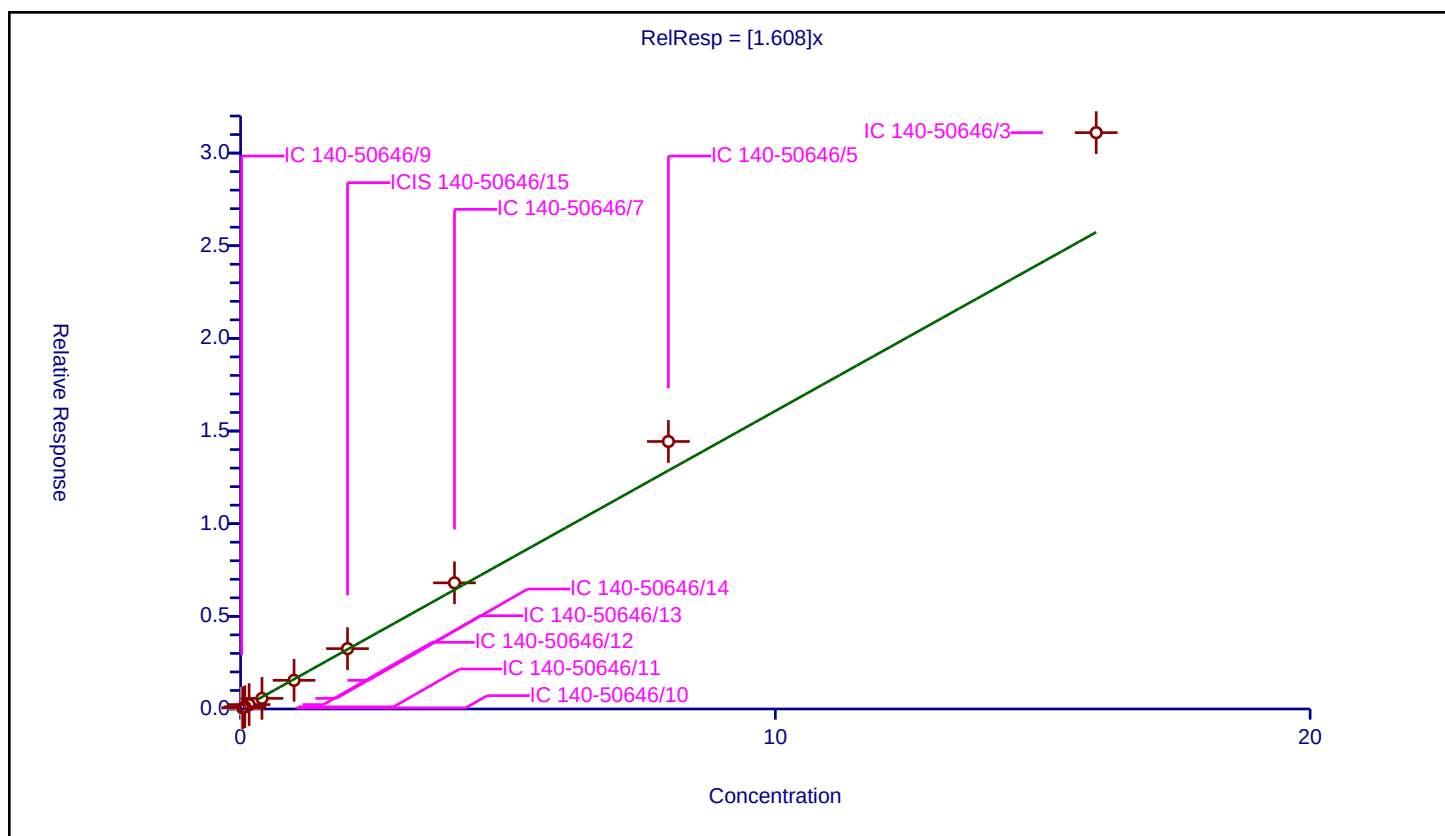
Curve Coefficients

Intercept: 0
Slope: 1.608

Error Coefficients

Standard Error: 2540000
Relative Standard Error: 11.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.036336	4.8	959848.0	1.816788	N
2	IC 140-50646/10	0.04	0.05937	4.8	904221.0	1.484239	Y
3	IC 140-50646/11	0.08	0.115966	4.8	857465.0	1.449575	Y
4	IC 140-50646/12	0.16	0.237606	4.8	847616.0	1.485036	Y
5	IC 140-50646/13	0.4	0.572338	4.8	885413.0	1.430844	Y
6	IC 140-50646/14	1.0	1.545897	4.8	894154.0	1.545897	Y
7	ICIS 140-50646/15	2.0	3.256908	4.8	934893.0	1.628454	Y
8	IC 140-50646/7	4.0	6.807857	4.8	1060151.0	1.701964	Y
9	IC 140-50646/5	8.0	14.436175	4.8	1052212.0	1.804522	Y
10	IC 140-50646/3	16.0	31.103581	4.8	959637.0	1.943974	Y



Calibration

/ 1,2,4-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

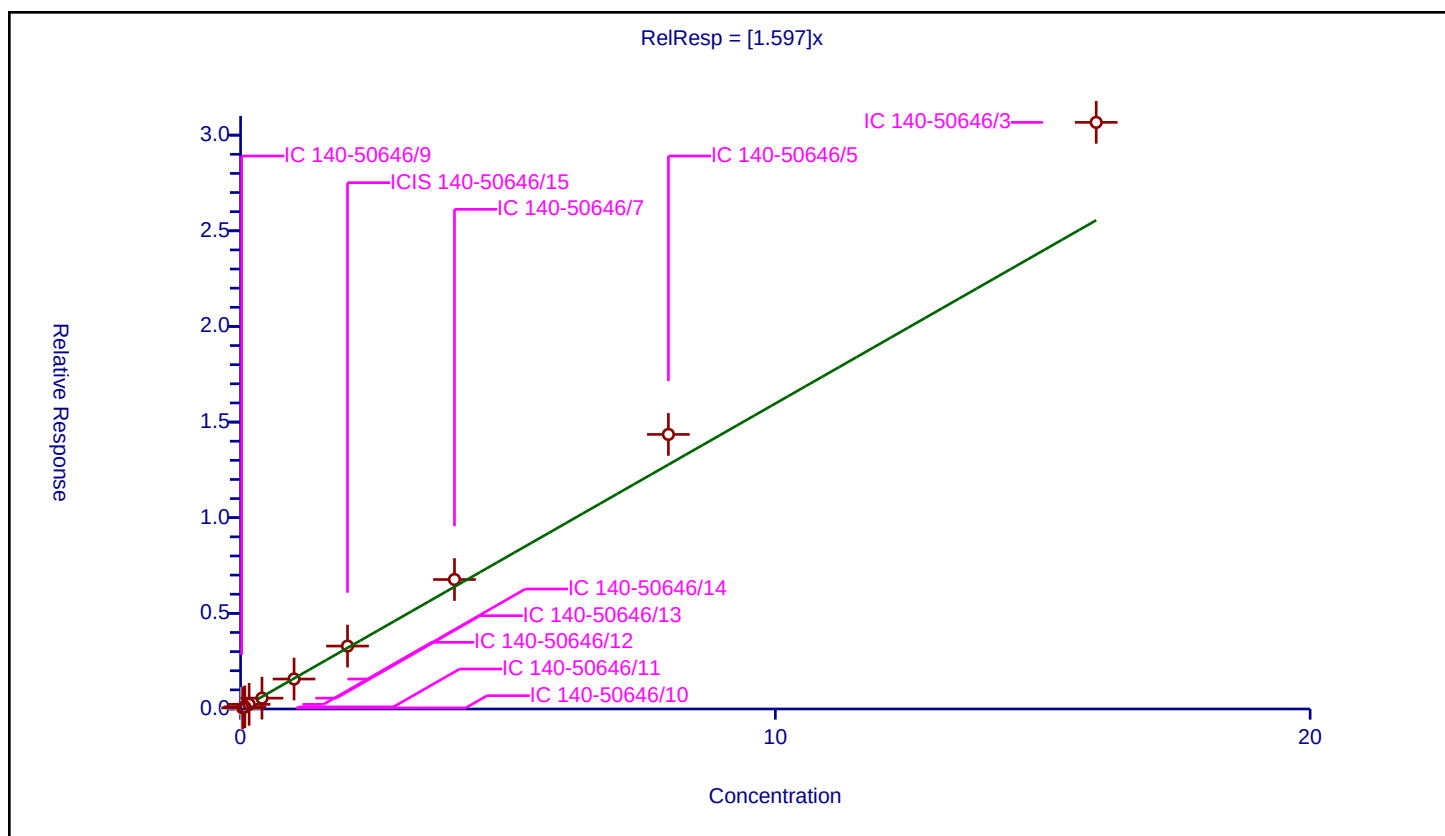
Curve Coefficients

Intercept: 0
Slope: 1.597

Error Coefficients

Standard Error: 2510000
Relative Standard Error: 11.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.035656	4.8	959848.0	1.782782	N
2	IC 140-50646/10	0.04	0.057958	4.8	904221.0	1.448938	Y
3	IC 140-50646/11	0.08	0.11062	4.8	857465.0	1.38275	Y
4	IC 140-50646/12	0.16	0.241258	4.8	847616.0	1.507864	Y
5	IC 140-50646/13	0.4	0.567193	4.8	885413.0	1.417982	Y
6	IC 140-50646/14	1.0	1.56635	4.8	894154.0	1.56635	Y
7	ICIS 140-50646/15	2.0	3.28987	4.8	934893.0	1.644935	Y
8	IC 140-50646/7	4.0	6.769549	4.8	1060151.0	1.692387	Y
9	IC 140-50646/5	8.0	14.354583	4.8	1052212.0	1.794323	Y
10	IC 140-50646/3	16.0	30.667956	4.8	959637.0	1.916747	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

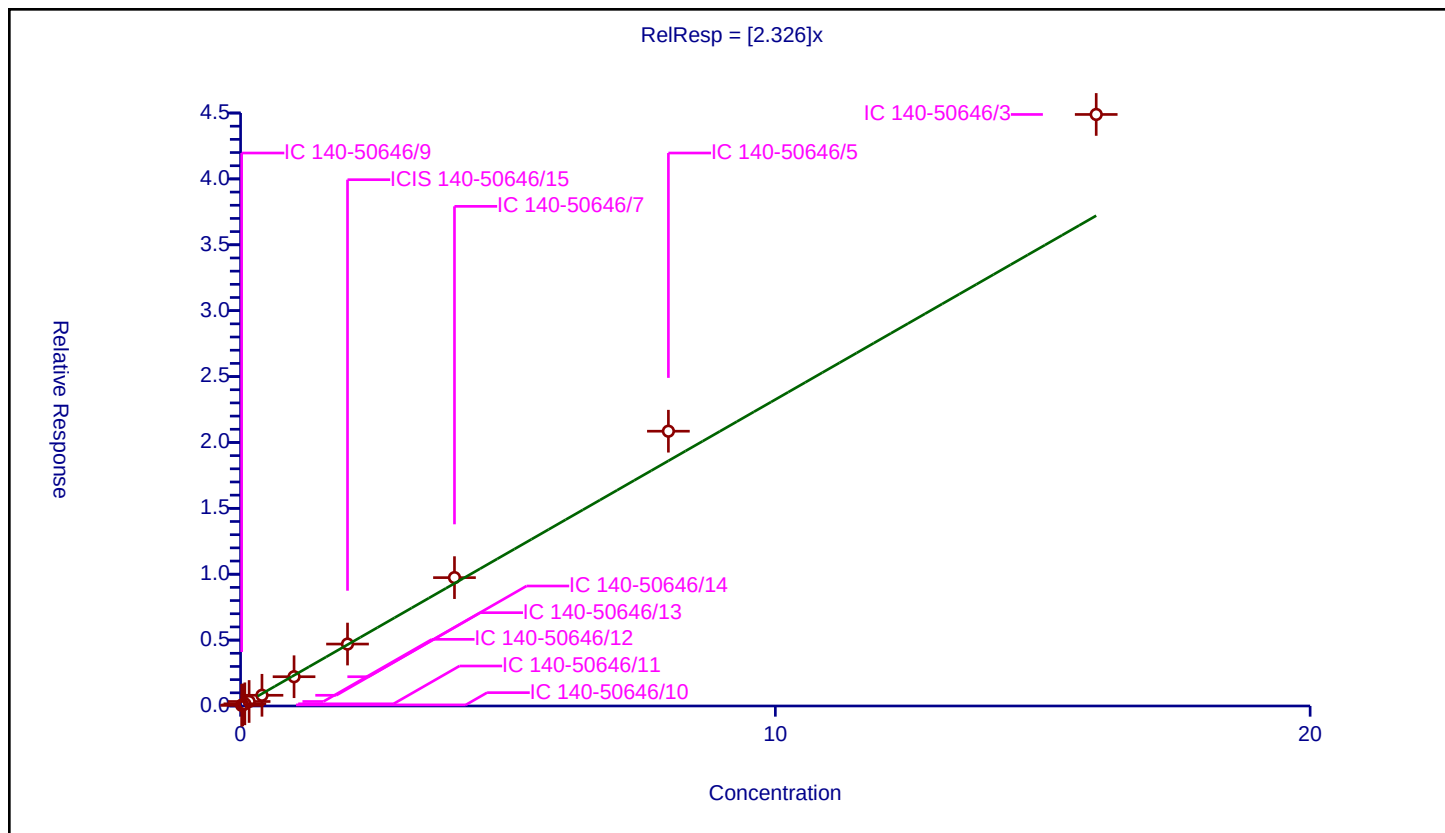
Curve Coefficients

Intercept: 0
 Slope: 2.326

Error Coefficients

Standard Error: 3450000
 Relative Standard Error: 11.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.050468	4.8	959848.0	2.5234	Y
2	IC 140-50646/10	0.04	0.083491	4.8	904221.0	2.087277	Y
3	IC 140-50646/11	0.08	0.165597	4.8	857465.0	2.069962	Y
4	IC 140-50646/12	0.16	0.340139	4.8	847616.0	2.125868	Y
5	IC 140-50646/13	0.4	0.812415	4.8	885413.0	2.031039	Y
6	IC 140-50646/14	1.0	2.220702	4.8	894154.0	2.220702	Y
7	ICIS 140-50646/15	2.0	4.70019	4.8	934893.0	2.350095	Y
8	IC 140-50646/7	4.0	9.74139	4.8	1060151.0	2.435347	Y
9	IC 140-50646/5	8.0	20.853741	4.8	1052212.0	2.606718	Y
10	IC 140-50646/3	16.0	44.891139	4.8	959637.0	2.805696	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

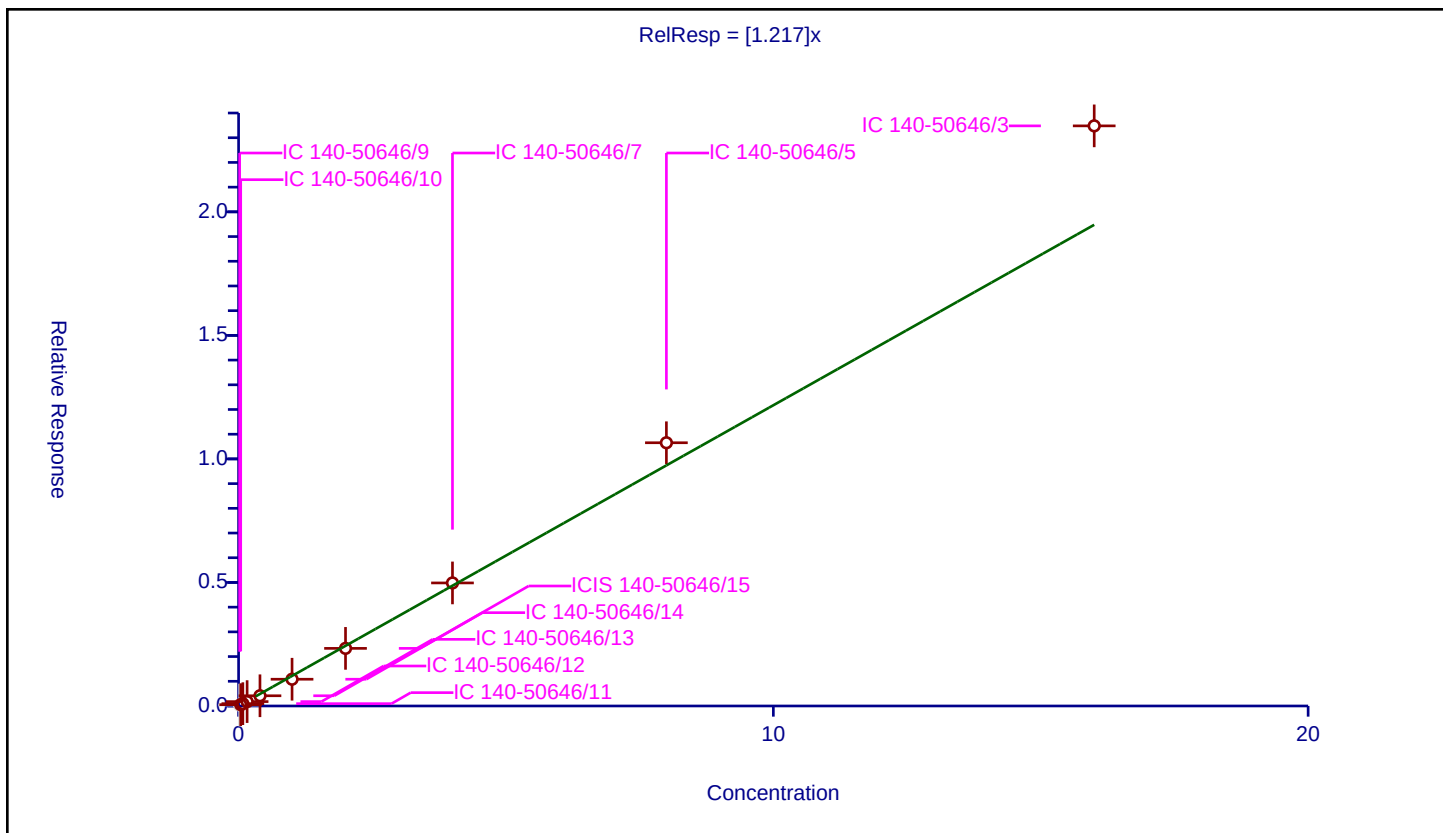
Curve Coefficients

Intercept: 0
 Slope: 1.217

Error Coefficients

Standard Error: 1900000
 Relative Standard Error: 11.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.038386	4.8	959848.0	1.919304	N
2	IC 140-50646/10	0.04	0.053254	4.8	904221.0	1.331356	Y
3	IC 140-50646/11	0.08	0.09484	4.8	857465.0	1.185494	Y
4	IC 140-50646/12	0.16	0.177329	4.8	847616.0	1.108308	Y
5	IC 140-50646/13	0.4	0.414396	4.8	885413.0	1.035991	Y
6	IC 140-50646/14	1.0	1.083411	4.8	894154.0	1.083411	Y
7	ICIS 140-50646/15	2.0	2.331984	4.8	934893.0	1.165992	Y
8	IC 140-50646/7	4.0	4.980391	4.8	1060151.0	1.245098	Y
9	IC 140-50646/5	8.0	10.654131	4.8	1052212.0	1.331766	Y
10	IC 140-50646/3	16.0	23.480228	4.8	959637.0	1.467514	Y



Calibration

/ Benzyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

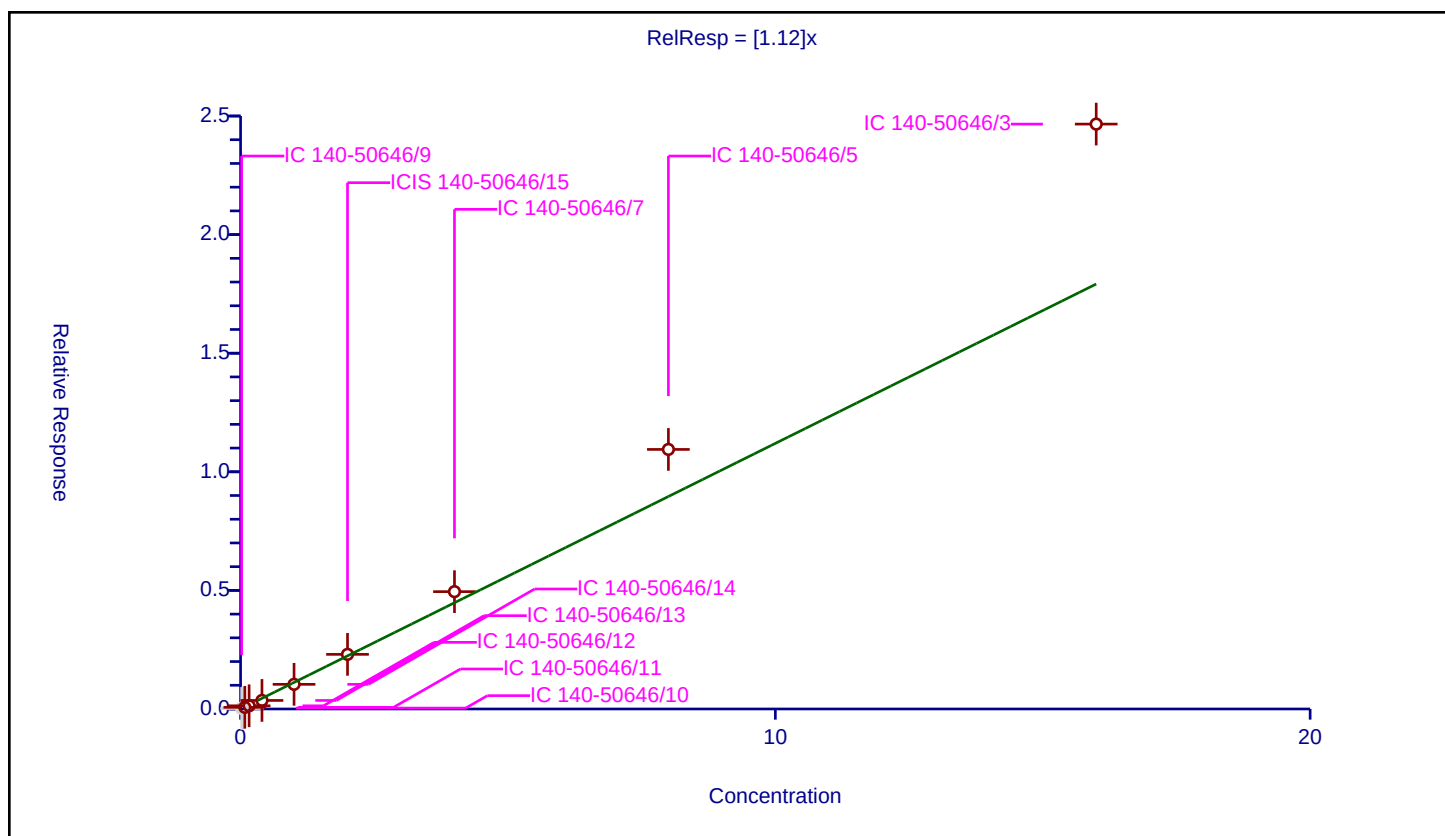
Curve Coefficients

Intercept: 0
Slope: 1.12

Error Coefficients

Standard Error: 2120000
Relative Standard Error: 22.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.023269	4.8	959848.0	1.163434	N
2	IC 140-50646/10	0.04	0.038768	4.8	904221.0	0.969188	N
3	IC 140-50646/11	0.08	0.070466	4.8	857465.0	0.880829	Y
4	IC 140-50646/12	0.16	0.134376	4.8	847616.0	0.83985	Y
5	IC 140-50646/13	0.4	0.36045	4.8	885413.0	0.901125	Y
6	IC 140-50646/14	1.0	1.039295	4.8	894154.0	1.039295	Y
7	ICIS 140-50646/15	2.0	2.302883	4.8	934893.0	1.151441	Y
8	IC 140-50646/7	4.0	4.947067	4.8	1060151.0	1.236767	Y
9	IC 140-50646/5	8.0	10.942612	4.8	1052212.0	1.367826	Y
10	IC 140-50646/3	16.0	24.659779	4.8	959637.0	1.541236	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

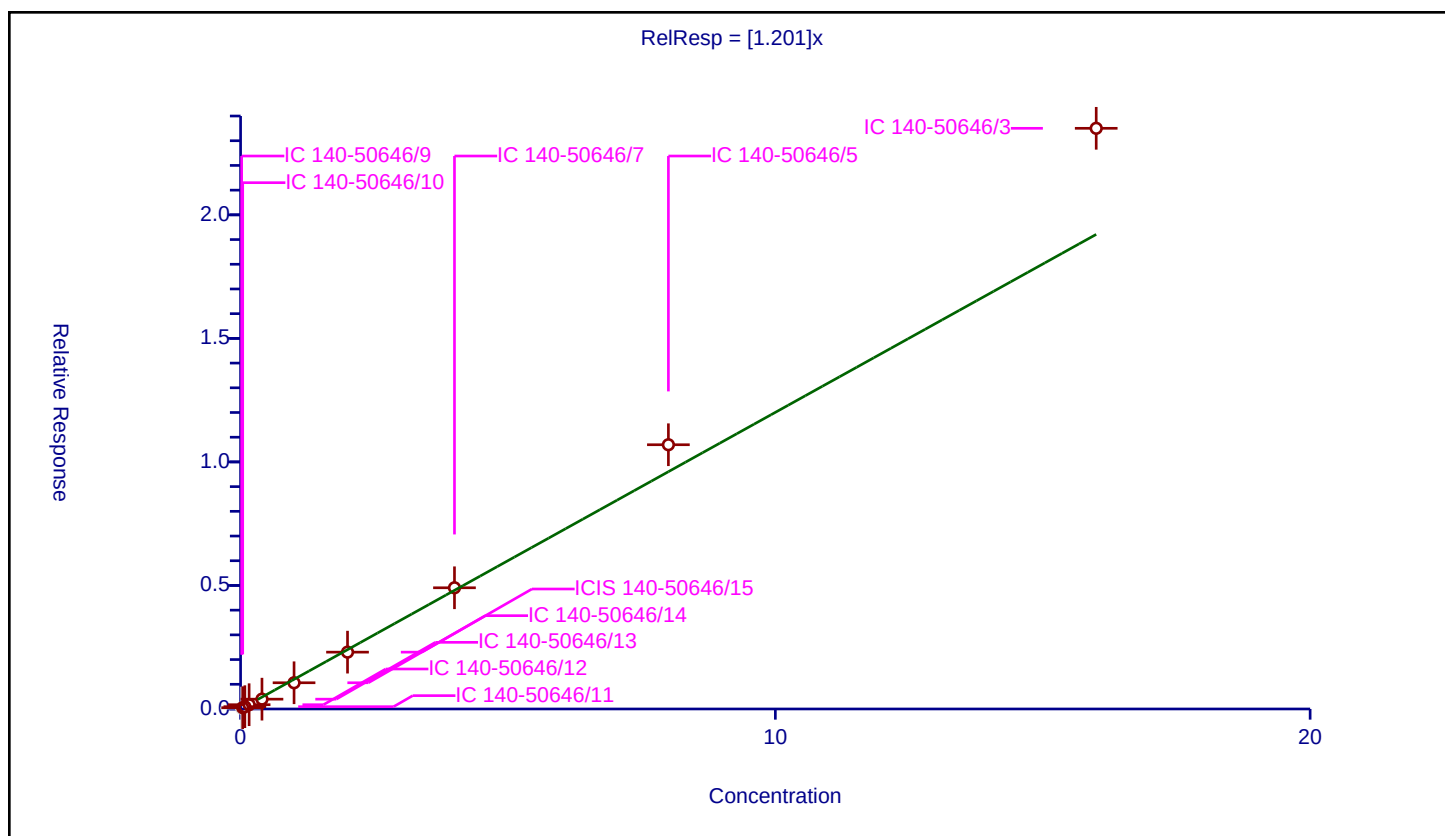
Curve Coefficients

Intercept: 0
 Slope: 1.201

Error Coefficients

Standard Error: 1900000
 Relative Standard Error: 12.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.036166	4.8	959848.0	1.808286	N
2	IC 140-50646/10	0.04	0.052548	4.8	904221.0	1.313705	Y
3	IC 140-50646/11	0.08	0.09353	4.8	857465.0	1.169121	Y
4	IC 140-50646/12	0.16	0.173388	4.8	847616.0	1.083675	Y
5	IC 140-50646/13	0.4	0.397802	4.8	885413.0	0.994505	Y
6	IC 140-50646/14	1.0	1.061401	4.8	894154.0	1.061401	Y
7	ICIS 140-50646/15	2.0	2.300362	4.8	934893.0	1.150181	Y
8	IC 140-50646/7	4.0	4.905476	4.8	1060151.0	1.226369	Y
9	IC 140-50646/5	8.0	10.695064	4.8	1052212.0	1.336883	Y
10	IC 140-50646/3	16.0	23.502932	4.8	959637.0	1.468933	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

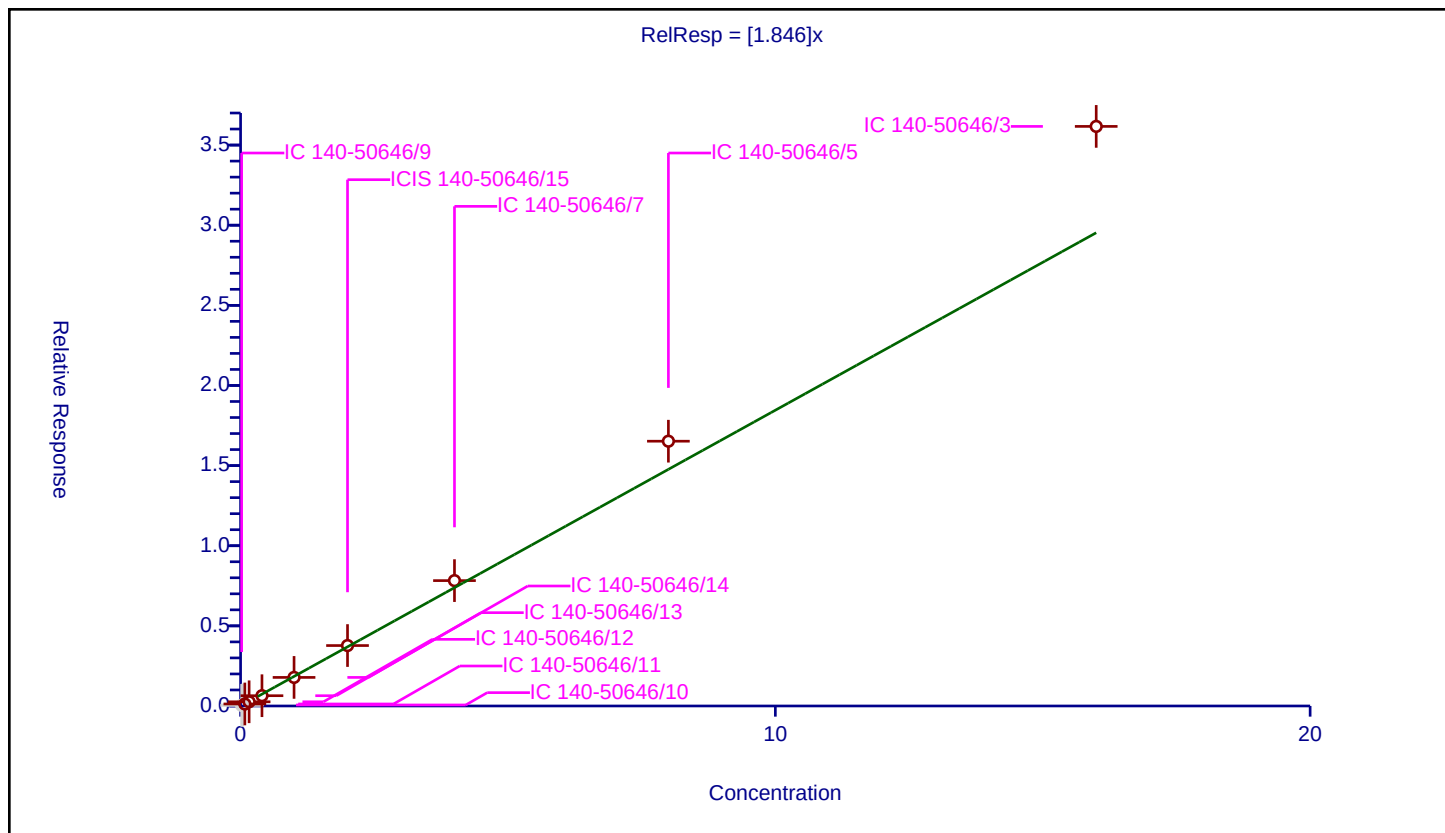
Curve Coefficients

Intercept: 0
 Slope: 1.846

Error Coefficients

Standard Error: 3140000
 Relative Standard Error: 13.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.039341	4.8	959848.0	1.967061	N
2	IC 140-50646/10	0.04	0.063786	4.8	904221.0	1.594654	N
3	IC 140-50646/11	0.08	0.125981	4.8	857465.0	1.574758	Y
4	IC 140-50646/12	0.16	0.2616	4.8	847616.0	1.634997	Y
5	IC 140-50646/13	0.4	0.641957	4.8	885413.0	1.604892	Y
6	IC 140-50646/14	1.0	1.782249	4.8	894154.0	1.782249	Y
7	ICIS 140-50646/15	2.0	3.772123	4.8	934893.0	1.886061	Y
8	IC 140-50646/7	4.0	7.822745	4.8	1060151.0	1.955686	Y
9	IC 140-50646/5	8.0	16.522646	4.8	1052212.0	2.065331	Y
10	IC 140-50646/3	16.0	36.165035	4.8	959637.0	2.260315	Y



Calibration

/ 1,2,3-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

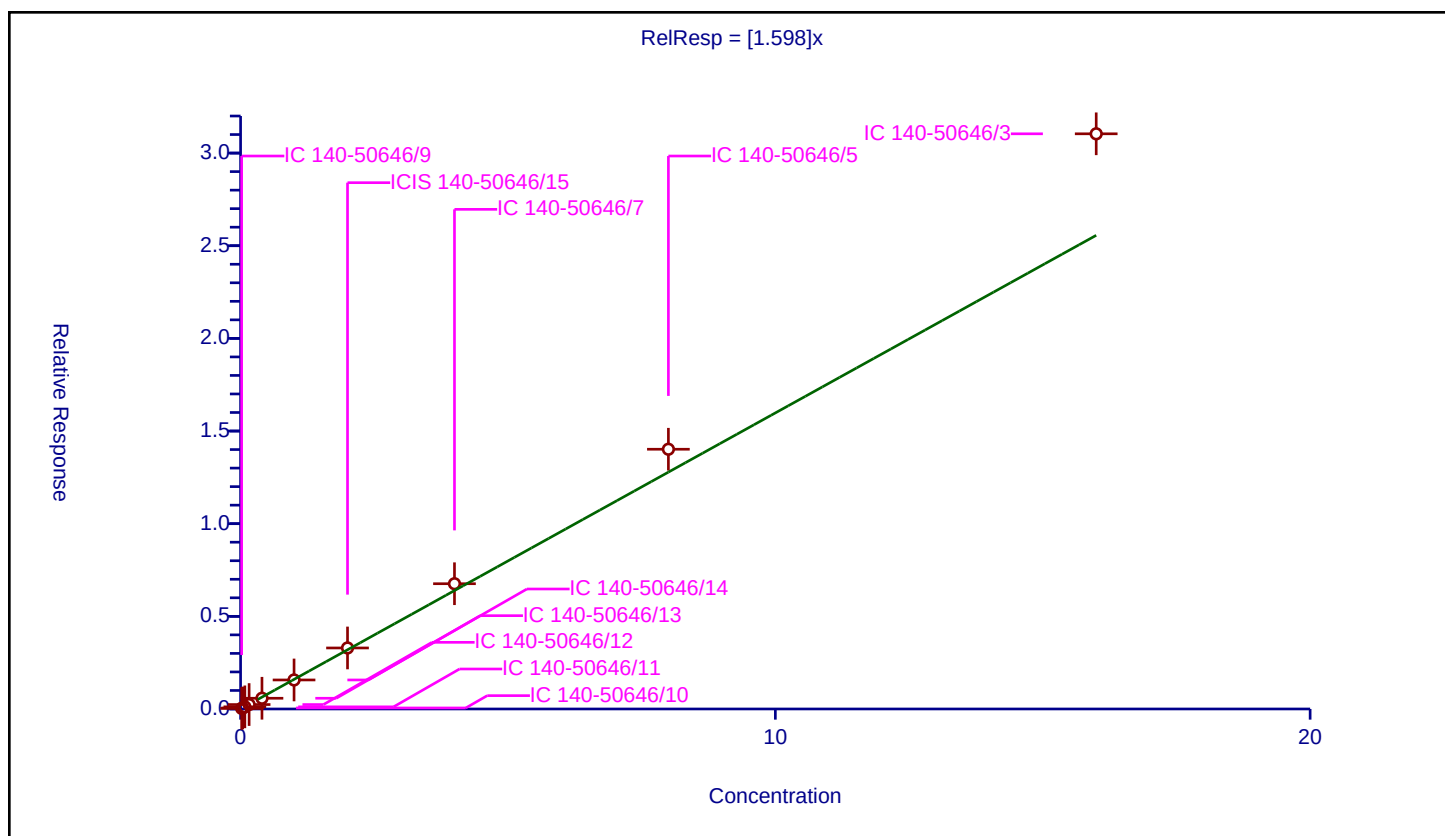
Curve Coefficients

Intercept: 0
 Slope: 1.598

Error Coefficients

Standard Error: 2370000
 Relative Standard Error: 10.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.032185	4.8	959848.0	1.609255	Y
2	IC 140-50646/10	0.04	0.055001	4.8	904221.0	1.375018	Y
3	IC 140-50646/11	0.08	0.116117	4.8	857465.0	1.451464	Y
4	IC 140-50646/12	0.16	0.239282	4.8	847616.0	1.495512	Y
5	IC 140-50646/13	0.4	0.579559	4.8	885413.0	1.448897	Y
6	IC 140-50646/14	1.0	1.567059	4.8	894154.0	1.567059	Y
7	ICIS 140-50646/15	2.0	3.293932	4.8	934893.0	1.646966	Y
8	IC 140-50646/7	4.0	6.759896	4.8	1060151.0	1.689974	Y
9	IC 140-50646/5	8.0	14.01766	4.8	1052212.0	1.752208	Y
10	IC 140-50646/3	16.0	31.040027	4.8	959637.0	1.940002	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

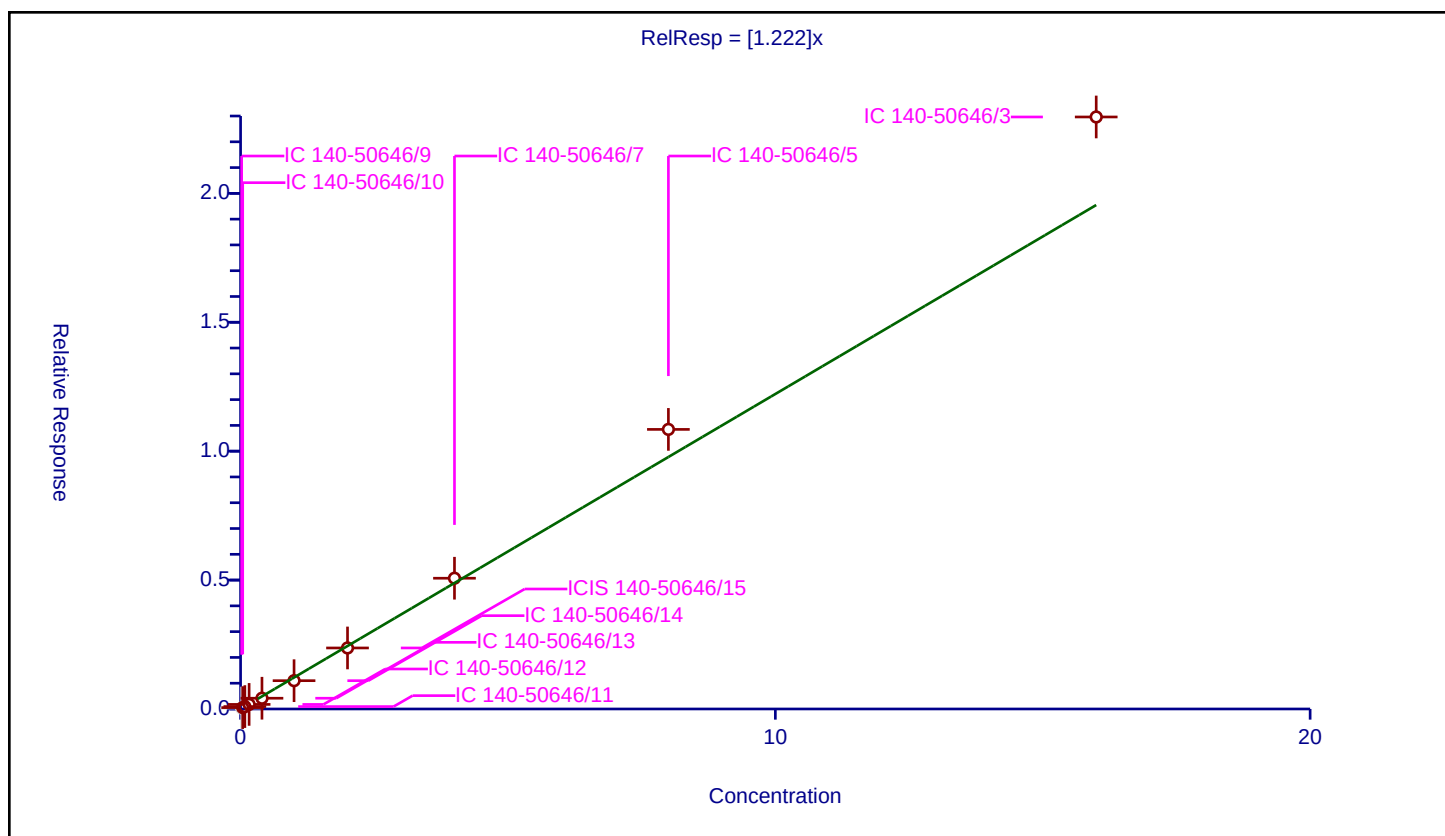
Curve Coefficients

Intercept: 0
Slope: 1.222

Error Coefficients

Standard Error: 1880000
Relative Standard Error: 10.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.036706	4.8	959848.0	1.835291	N
2	IC 140-50646/10	0.04	0.053382	4.8	904221.0	1.334541	Y
3	IC 140-50646/11	0.08	0.093474	4.8	857465.0	1.168421	Y
4	IC 140-50646/12	0.16	0.177635	4.8	847616.0	1.11022	Y
5	IC 140-50646/13	0.4	0.417145	4.8	885413.0	1.042862	Y
6	IC 140-50646/14	1.0	1.097551	4.8	894154.0	1.097551	Y
7	ICIS 140-50646/15	2.0	2.366768	4.8	934893.0	1.183384	Y
8	IC 140-50646/7	4.0	5.071474	4.8	1060151.0	1.267868	Y
9	IC 140-50646/5	8.0	10.8443	4.8	1052212.0	1.355537	Y
10	IC 140-50646/3	16.0	22.962648	4.8	959637.0	1.435165	Y



Calibration

/ 2,3-Dihydroindene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

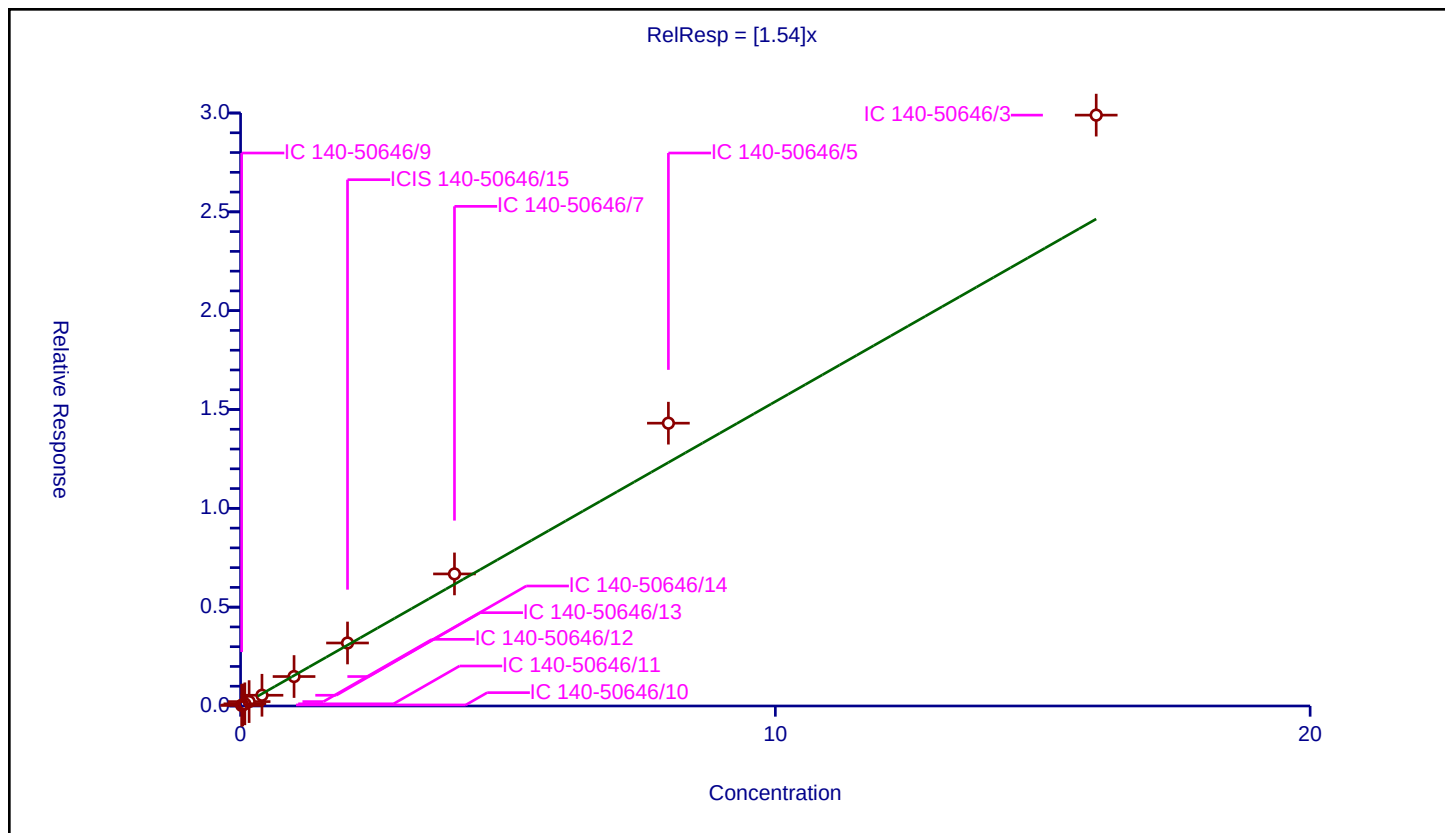
Curve Coefficients

Intercept: 0
Slope: 1.54

Error Coefficients

Standard Error: 2310000
Relative Standard Error: 12.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.03094	4.8	959848.0	1.546995	Y
2	IC 140-50646/10	0.04	0.053111	4.8	904221.0	1.327773	Y
3	IC 140-50646/11	0.08	0.109366	4.8	857465.0	1.367076	Y
4	IC 140-50646/12	0.16	0.222559	4.8	847616.0	1.390995	Y
5	IC 140-50646/13	0.4	0.542461	4.8	885413.0	1.356154	Y
6	IC 140-50646/14	1.0	1.489542	4.8	894154.0	1.489542	Y
7	ICIS 140-50646/15	2.0	3.187421	4.8	934893.0	1.593711	Y
8	IC 140-50646/7	4.0	6.681477	4.8	1060151.0	1.670369	Y
9	IC 140-50646/5	8.0	14.308193	4.8	1052212.0	1.788524	Y
10	IC 140-50646/3	16.0	29.892793	4.8	959637.0	1.8683	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

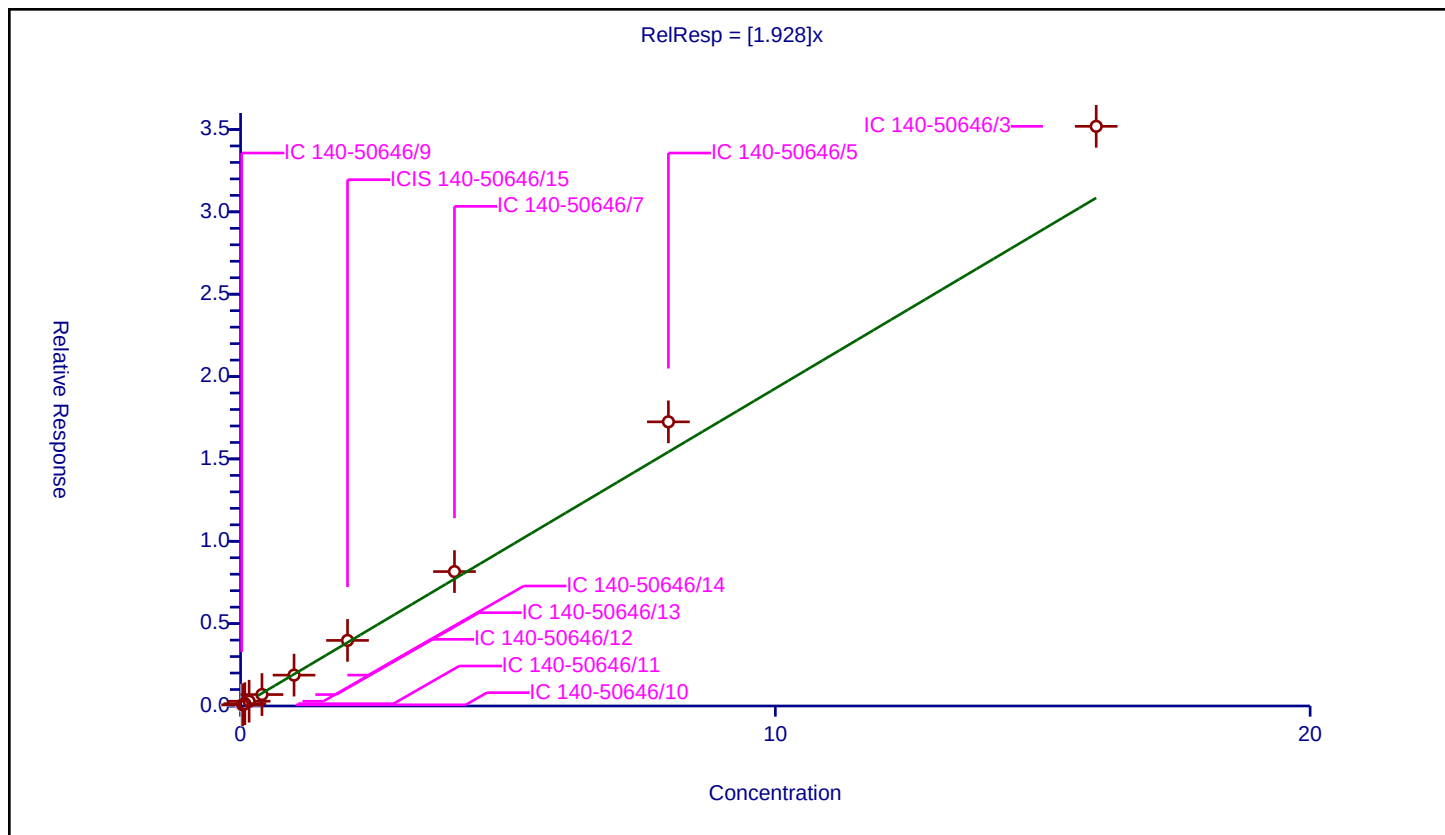
Curve Coefficients

Intercept: 0
 Slope: 1.928

Error Coefficients

Standard Error: 2910000
 Relative Standard Error: 9.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.047758	4.8	959848.0	2.387878	N
2	IC 140-50646/10	0.04	0.072073	4.8	904221.0	1.801816	Y
3	IC 140-50646/11	0.08	0.139589	4.8	857465.0	1.744864	Y
4	IC 140-50646/12	0.16	0.289575	4.8	847616.0	1.809841	Y
5	IC 140-50646/13	0.4	0.694125	4.8	885413.0	1.735312	Y
6	IC 140-50646/14	1.0	1.873234	4.8	894154.0	1.873234	Y
7	ICIS 140-50646/15	2.0	3.981807	4.8	934893.0	1.990903	Y
8	IC 140-50646/7	4.0	8.159721	4.8	1060151.0	2.03993	Y
9	IC 140-50646/5	8.0	17.251255	4.8	1052212.0	2.156407	Y
10	IC 140-50646/3	16.0	35.191932	4.8	959637.0	2.199496	Y



Calibration

/ Indene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

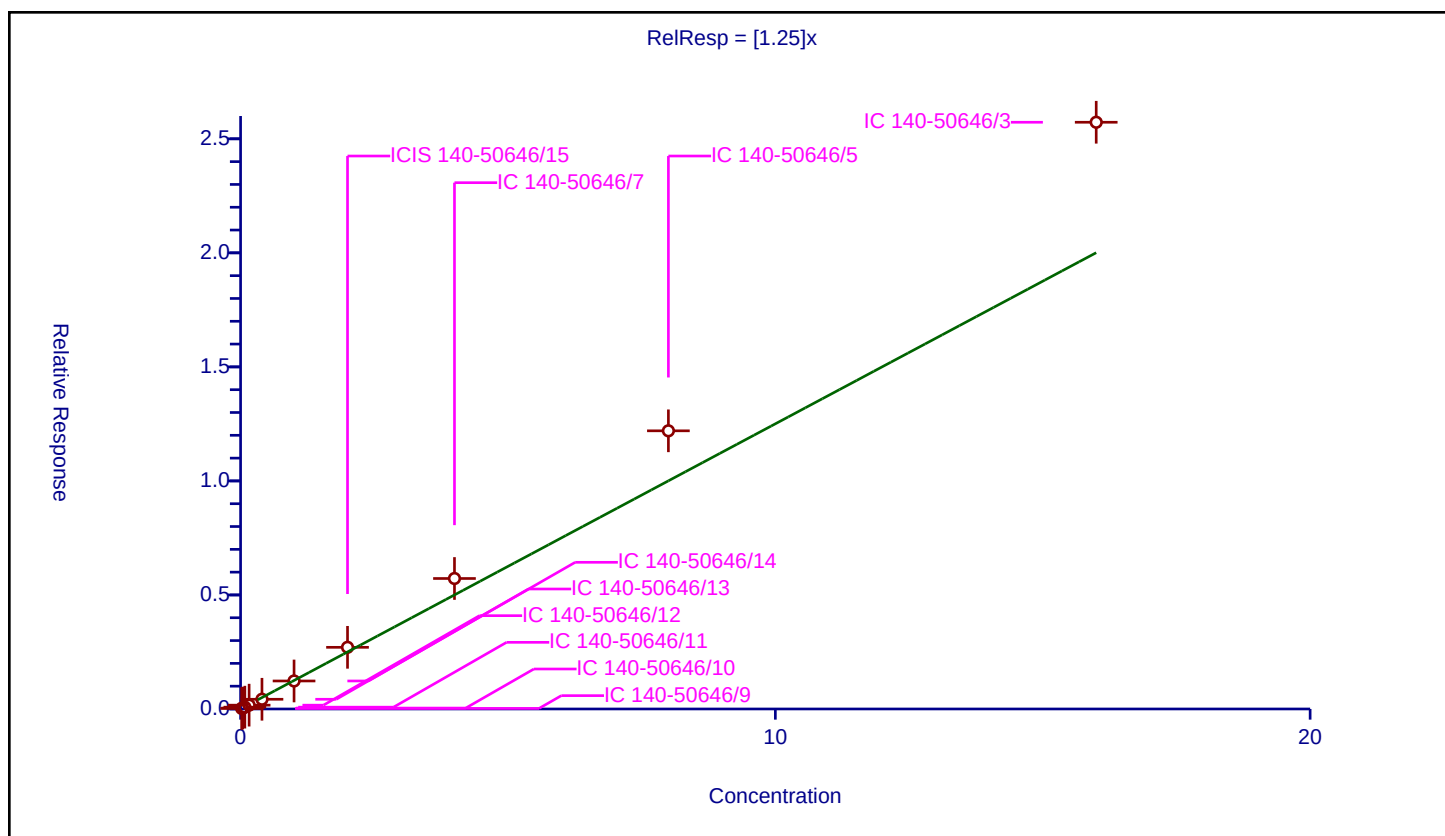
Curve Coefficients

Intercept: 0
 Slope: 1.25

Error Coefficients

Standard Error: 1990000
 Relative Standard Error: 17.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.024579	4.8	959848.0	1.228945	Y
2	IC 140-50646/10	0.04	0.040503	4.8	904221.0	1.012584	Y
3	IC 140-50646/11	0.08	0.080279	4.8	857465.0	1.003493	Y
4	IC 140-50646/12	0.16	0.167861	4.8	847616.0	1.049131	Y
5	IC 140-50646/13	0.4	0.426703	4.8	885413.0	1.066756	Y
6	IC 140-50646/14	1.0	1.228358	4.8	894154.0	1.228358	Y
7	ICIS 140-50646/15	2.0	2.704054	4.8	934893.0	1.352027	Y
8	IC 140-50646/7	4.0	5.721641	4.8	1060151.0	1.43041	Y
9	IC 140-50646/5	8.0	12.197285	4.8	1052212.0	1.524661	Y
10	IC 140-50646/3	16.0	25.726343	4.8	959637.0	1.607896	Y



Calibration

/ Undecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

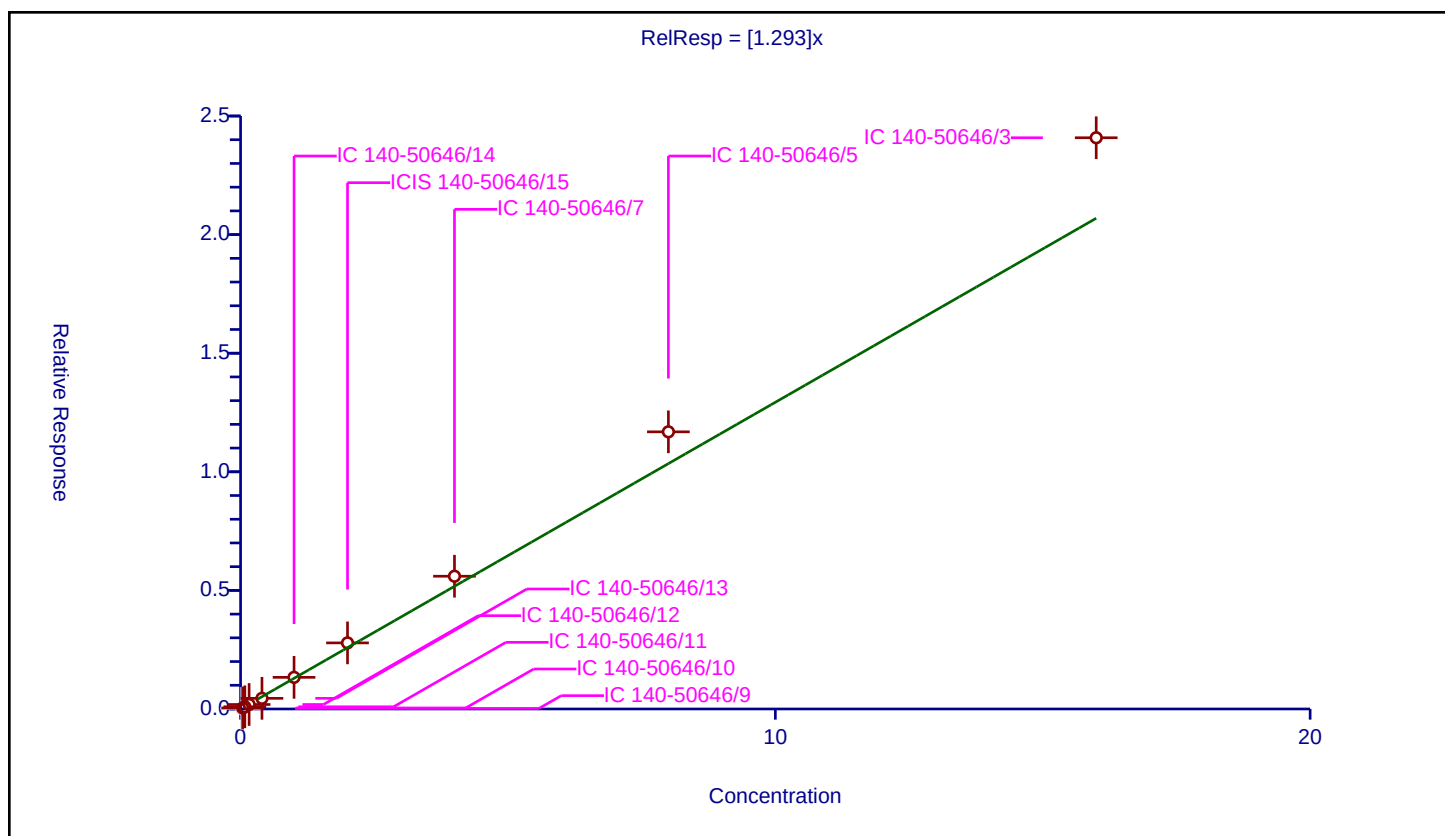
Curve Coefficients

Intercept: 0
Slope: 1.293

Error Coefficients

Standard Error: 1990000
Relative Standard Error: 12.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.024169	4.8	959848.0	1.208441	N
2	IC 140-50646/10	0.04	0.04285	4.8	904221.0	1.071243	Y
3	IC 140-50646/11	0.08	0.093239	4.8	857465.0	1.165482	Y
4	IC 140-50646/12	0.16	0.189658	4.8	847616.0	1.18536	Y
5	IC 140-50646/13	0.4	0.449206	4.8	885413.0	1.123015	Y
6	IC 140-50646/14	1.0	1.334052	4.8	894154.0	1.334052	Y
7	ICIS 140-50646/15	2.0	2.786809	4.8	934893.0	1.393404	Y
8	IC 140-50646/7	4.0	5.59684	4.8	1060151.0	1.39921	Y
9	IC 140-50646/5	8.0	11.685672	4.8	1052212.0	1.460709	Y
10	IC 140-50646/3	16.0	24.083387	4.8	959637.0	1.505212	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

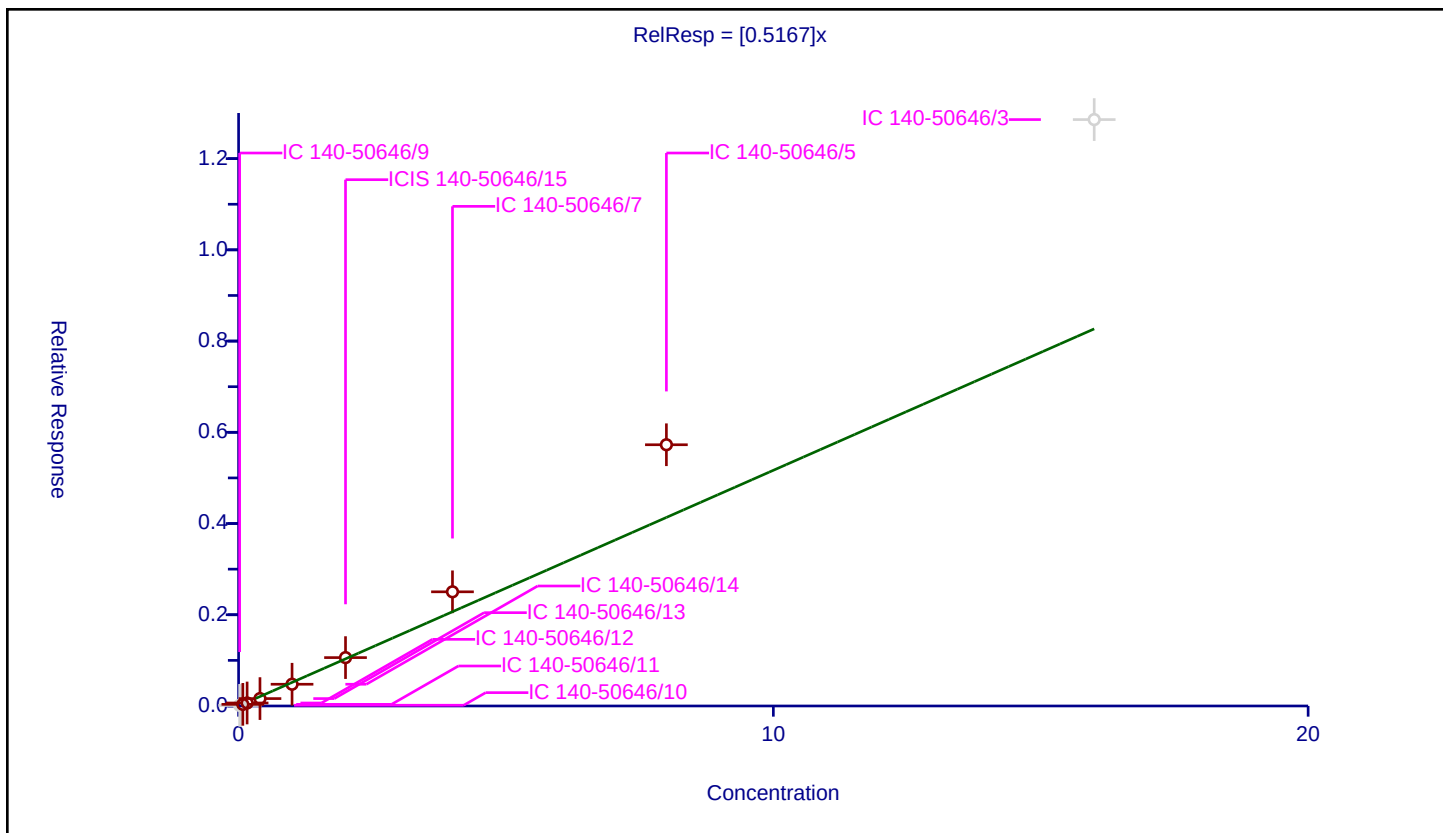
Curve Coefficients

Intercept: 0
 Slope: 0.5167

Error Coefficients

Standard Error: 568000
 Relative Standard Error: 22.5
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.943

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.013557	4.8	959848.0	0.677857	N
2	IC 140-50646/10	0.04	0.016844	4.8	904221.0	0.421092	N
3	IC 140-50646/11	0.08	0.036151	4.8	857465.0	0.45189	Y
4	IC 140-50646/12	0.16	0.065792	4.8	847616.0	0.4112	Y
5	IC 140-50646/13	0.4	0.162023	4.8	885413.0	0.405058	Y
6	IC 140-50646/14	1.0	0.476761	4.8	894154.0	0.476761	Y
7	ICIS 140-50646/15	2.0	1.060572	4.8	934893.0	0.530286	Y
8	IC 140-50646/7	4.0	2.503179	4.8	1060151.0	0.625795	Y
9	IC 140-50646/5	8.0	5.727504	4.8	1052212.0	0.715938	Y
10	IC 140-50646/3	16.0	12.856356	4.8	959637.0	0.803522	N



Calibration

/ 1,2,4,5-Tetramethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

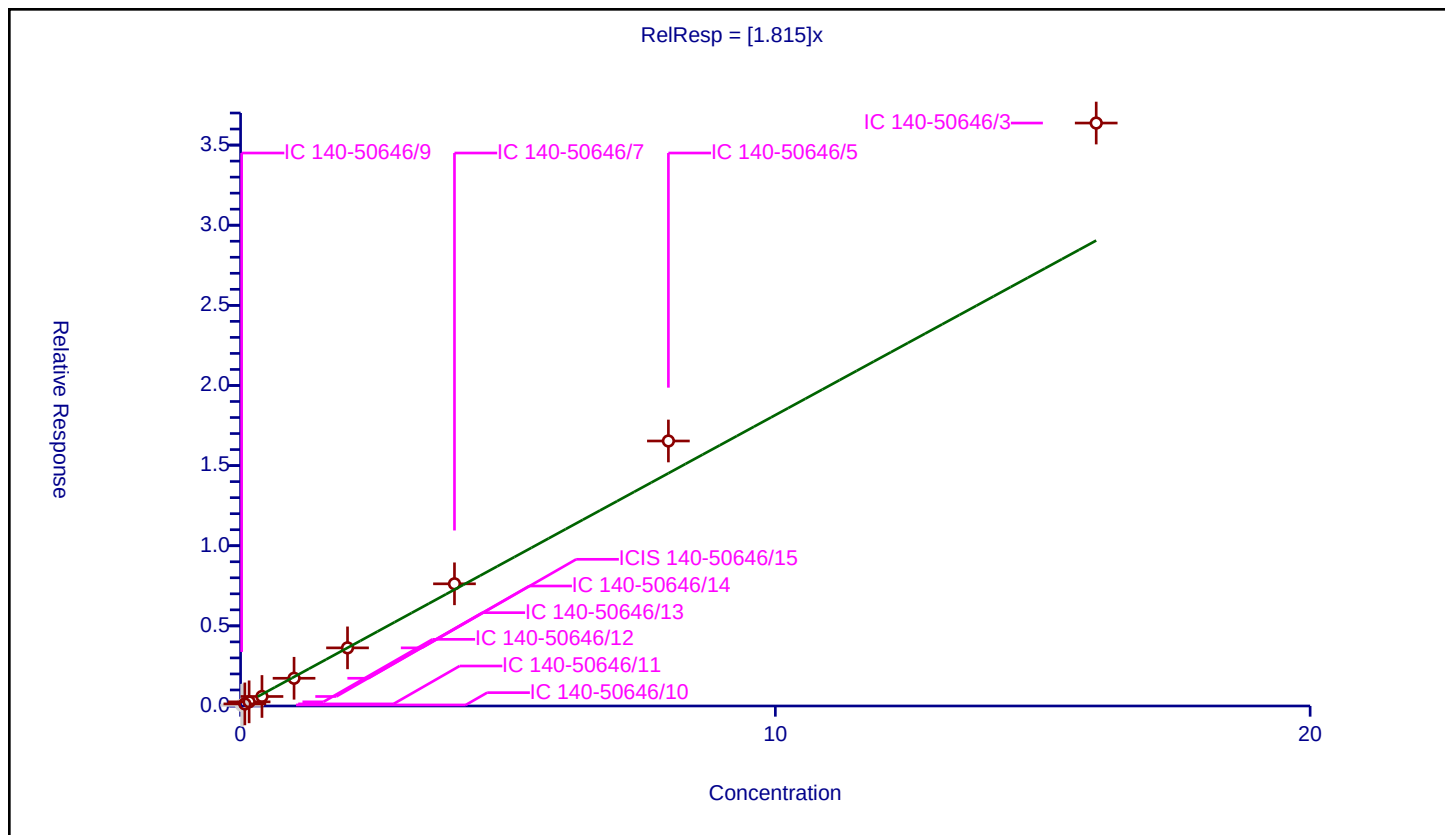
Curve Coefficients

Intercept: 0
 Slope: 1.815

Error Coefficients

Standard Error: 3150000
 Relative Standard Error: 14.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.044892	4.8	959848.0	2.244605	N
2	IC 140-50646/10	0.04	0.065442	4.8	904221.0	1.63606	N
3	IC 140-50646/11	0.08	0.130504	4.8	857465.0	1.631297	Y
4	IC 140-50646/12	0.16	0.259368	4.8	847616.0	1.621052	Y
5	IC 140-50646/13	0.4	0.592705	4.8	885413.0	1.481763	Y
6	IC 140-50646/14	1.0	1.728948	4.8	894154.0	1.728948	Y
7	ICIS 140-50646/15	2.0	3.626684	4.8	934893.0	1.813342	Y
8	IC 140-50646/7	4.0	7.623719	4.8	1060151.0	1.90593	Y
9	IC 140-50646/5	8.0	16.535136	4.8	1052212.0	2.066892	Y
10	IC 140-50646/3	16.0	36.374004	4.8	959637.0	2.273375	Y



Calibration

/ Dodecane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

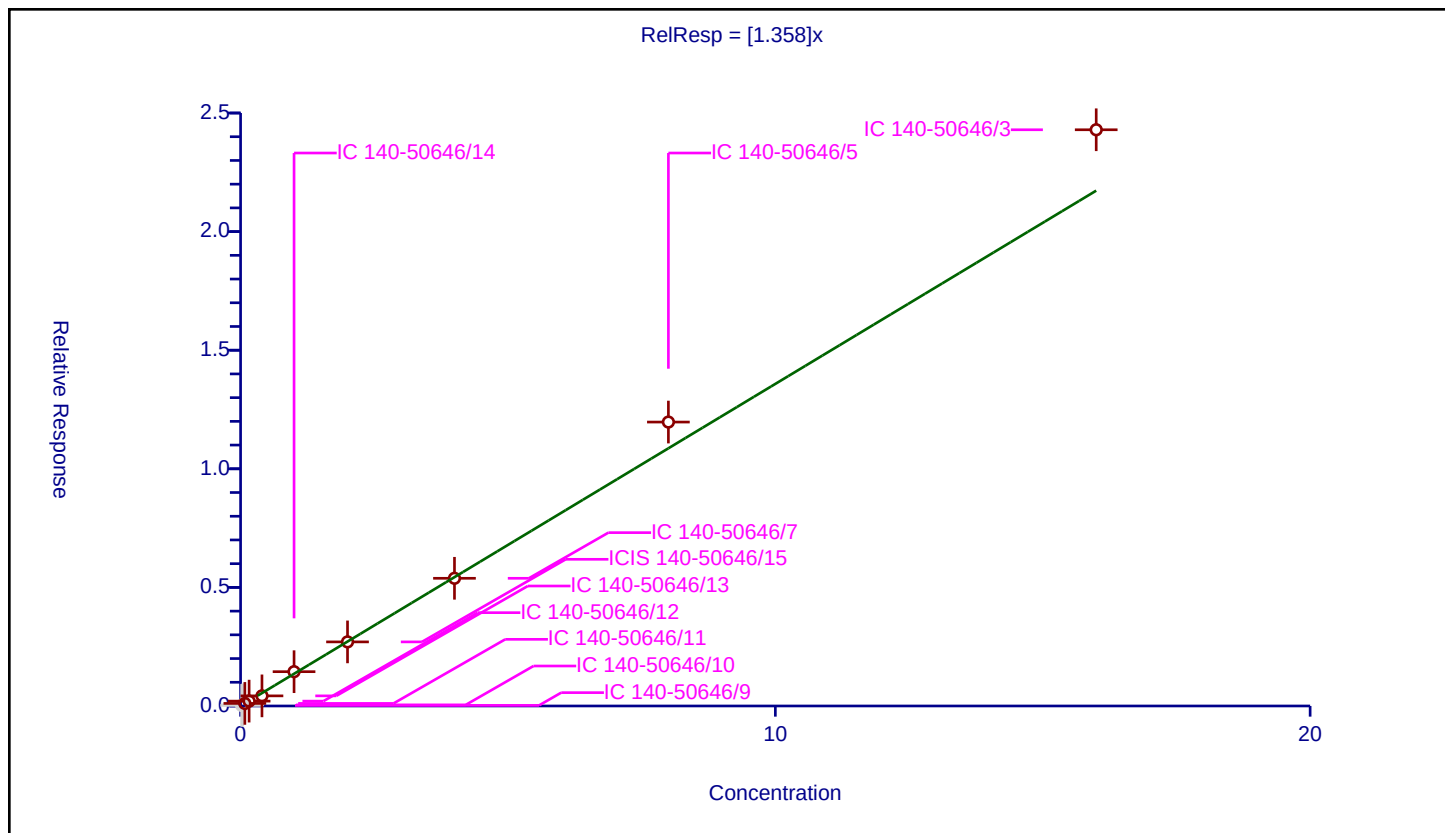
Curve Coefficients

Intercept: 0
 Slope: 1.358

Error Coefficients

Standard Error: 2150000
 Relative Standard Error: 10.6
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.025804	4.8	959848.0	1.290204	N
2	IC 140-50646/10	0.04	0.047643	4.8	904221.0	1.19108	N
3	IC 140-50646/11	0.08	0.108633	4.8	857465.0	1.35791	Y
4	IC 140-50646/12	0.16	0.205055	4.8	847616.0	1.281594	Y
5	IC 140-50646/13	0.4	0.426421	4.8	885413.0	1.066052	Y
6	IC 140-50646/14	1.0	1.44592	4.8	894154.0	1.44592	Y
7	ICIS 140-50646/15	2.0	2.702704	4.8	934893.0	1.351352	Y
8	IC 140-50646/7	4.0	5.38328	4.8	1060151.0	1.34582	Y
9	IC 140-50646/5	8.0	11.97127	4.8	1052212.0	1.496409	Y
10	IC 140-50646/3	16.0	24.294436	4.8	959637.0	1.518402	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

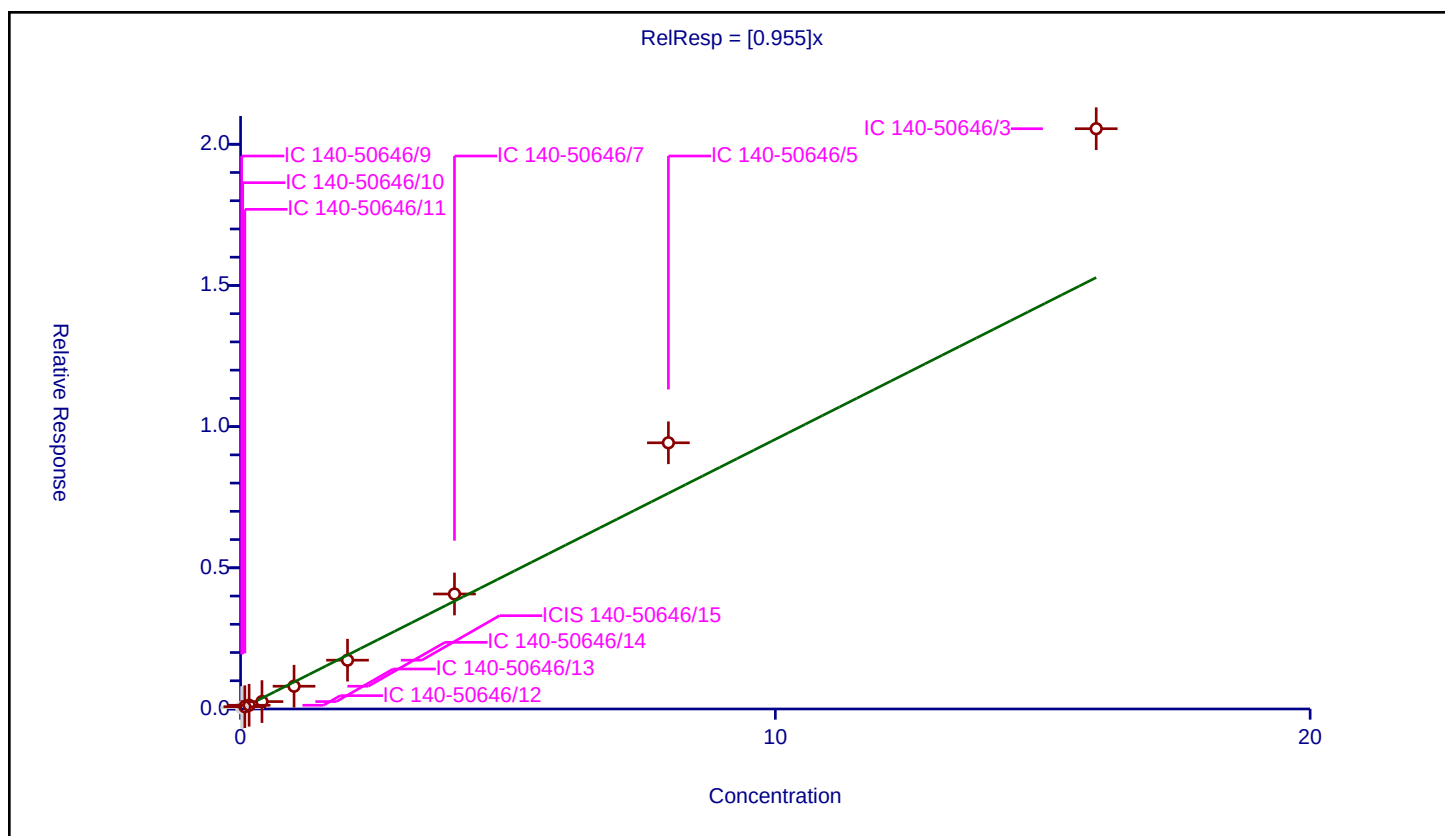
Curve Coefficients

Intercept: 0
 Slope: 0.955

Error Coefficients

Standard Error: 1780000
 Relative Standard Error: 21.8
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.944

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.046477	4.8	959848.0	2.323868	N
2	IC 140-50646/10	0.04	0.050531	4.8	904221.0	1.263275	N
3	IC 140-50646/11	0.08	0.080873	4.8	857465.0	1.01091	Y
4	IC 140-50646/12	0.16	0.13151	4.8	847616.0	0.821941	Y
5	IC 140-50646/13	0.4	0.26225	4.8	885413.0	0.655626	Y
6	IC 140-50646/14	1.0	0.805912	4.8	894154.0	0.805912	Y
7	ICIS 140-50646/15	2.0	1.728742	4.8	934893.0	0.864371	Y
8	IC 140-50646/7	4.0	4.073157	4.8	1060151.0	1.018289	Y
9	IC 140-50646/5	8.0	9.427513	4.8	1052212.0	1.178439	Y
10	IC 140-50646/3	16.0	20.550366	4.8	959637.0	1.284398	Y



Calibration

/ Naphthalene

Curve Type: Linear
 Weighting: Conc
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

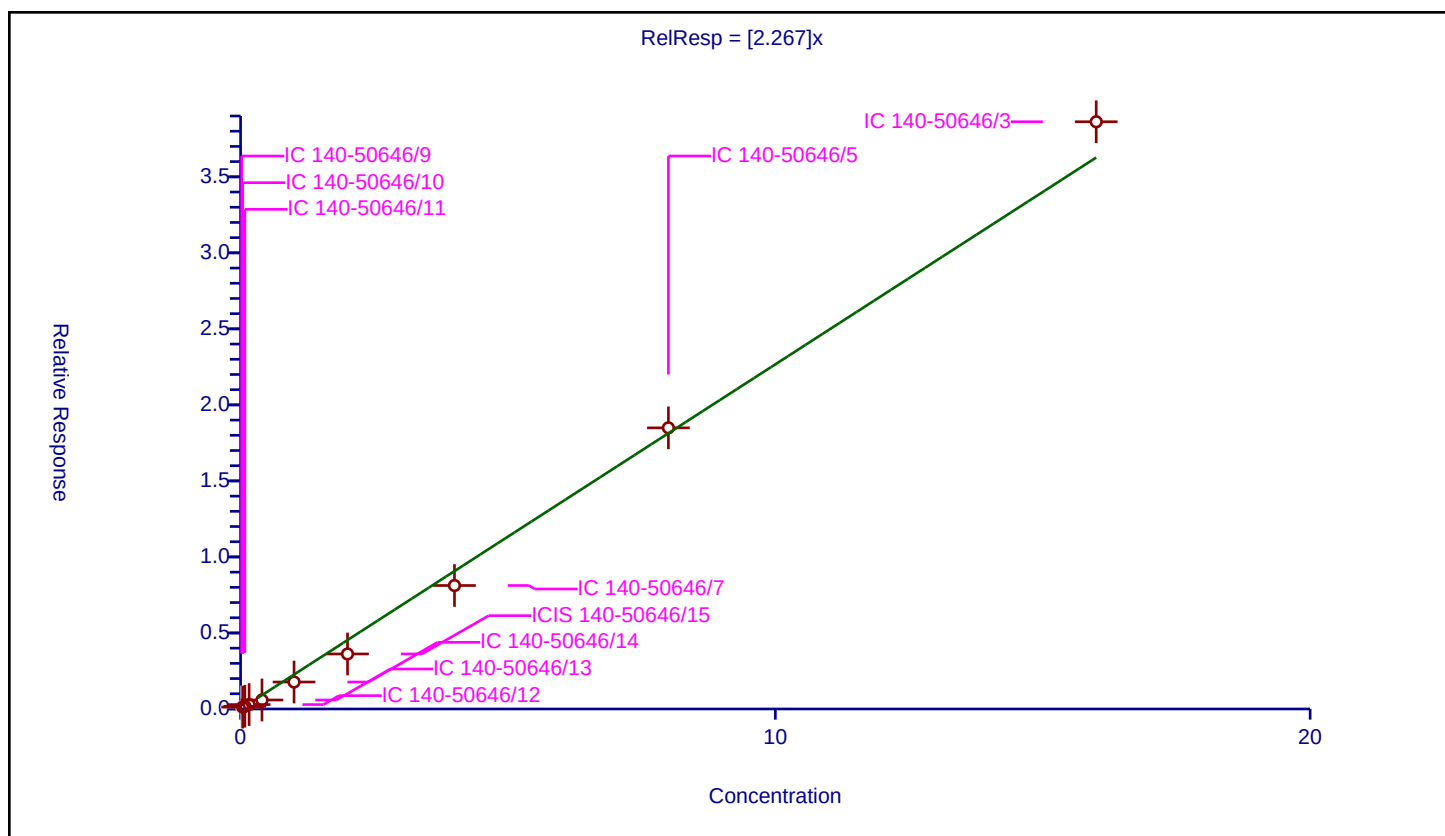
Curve Coefficients

Intercept: 0
 Slope: 2.267

Error Coefficients

Standard Error: 3160000
 Relative Standard Error: 22.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.12825	4.8	959848.0	6.412515	N
2	IC 140-50646/10	0.04	0.123357	4.8	904221.0	3.083936	Y
3	IC 140-50646/11	0.08	0.181954	4.8	857465.0	2.274425	Y
4	IC 140-50646/12	0.16	0.289461	4.8	847616.0	1.809133	Y
5	IC 140-50646/13	0.4	0.591404	4.8	885413.0	1.47851	Y
6	IC 140-50646/14	1.0	1.774835	4.8	894154.0	1.774835	Y
7	ICIS 140-50646/15	2.0	3.618818	4.8	934893.0	1.809409	Y
8	IC 140-50646/7	4.0	8.12114	4.8	1060151.0	2.030285	Y
9	IC 140-50646/5	8.0	18.489656	4.8	1052212.0	2.311207	Y
10	IC 140-50646/3	16.0	38.622999	4.8	959637.0	2.413937	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

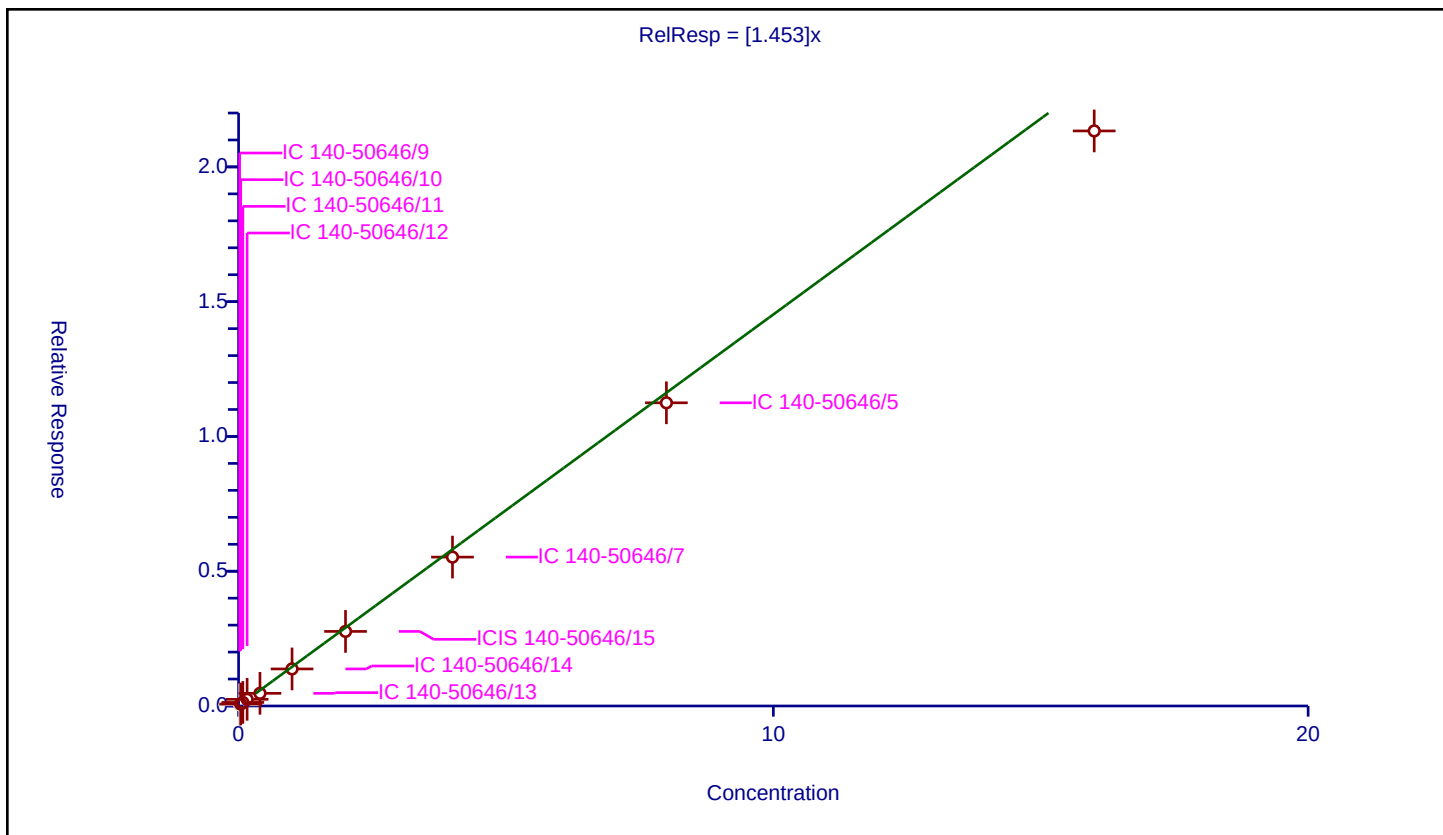
Curve Coefficients

Intercept: 0
 Slope: 1.453

Error Coefficients

Standard Error: 1810000
 Relative Standard Error: 13.2
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.044092	4.8	959848.0	2.204599	N
2	IC 140-50646/10	0.04	0.072911	4.8	904221.0	1.822784	Y
3	IC 140-50646/11	0.08	0.131926	4.8	857465.0	1.64907	Y
4	IC 140-50646/12	0.16	0.247935	4.8	847616.0	1.549593	Y
5	IC 140-50646/13	0.4	0.469226	4.8	885413.0	1.173066	Y
6	IC 140-50646/14	1.0	1.374985	4.8	894154.0	1.374985	Y
7	ICIS 140-50646/15	2.0	2.766877	4.8	934893.0	1.383439	Y
8	IC 140-50646/7	4.0	5.524529	4.8	1060151.0	1.381132	Y
9	IC 140-50646/5	8.0	11.248527	4.8	1052212.0	1.406066	Y
10	IC 140-50646/3	16.0	21.335112	4.8	959637.0	1.333445	Y



Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

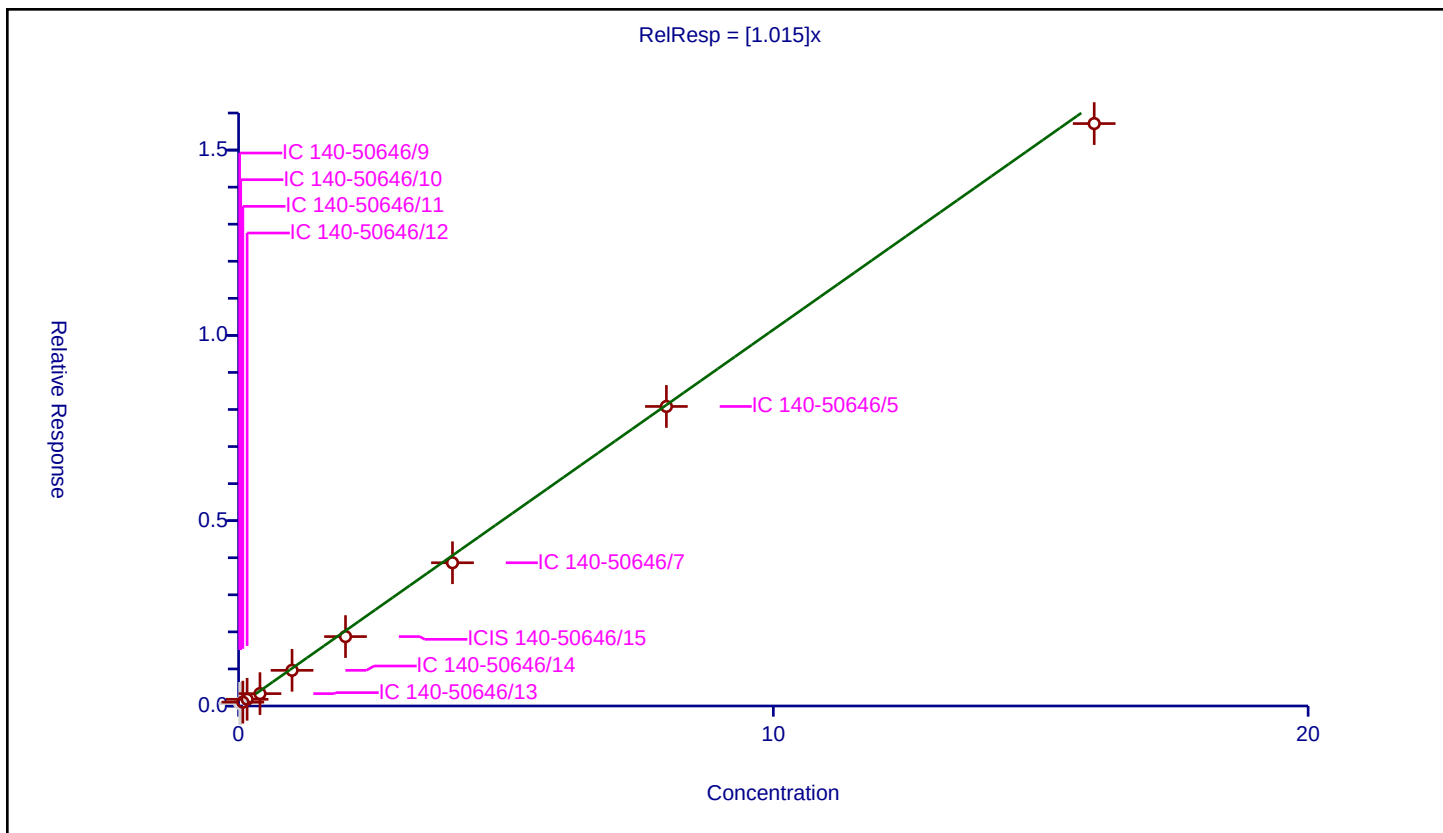
Curve Coefficients

Intercept: 0
 Slope: 1.015

Error Coefficients

Standard Error: 1410000
 Relative Standard Error: 14.0
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.02	0.072176	4.8	959848.0	3.608821	N
2	IC 140-50646/10	0.04	0.072582	4.8	904221.0	1.814556	N
3	IC 140-50646/11	0.08	0.104166	4.8	857465.0	1.302071	Y
4	IC 140-50646/12	0.16	0.180693	4.8	847616.0	1.129332	Y
5	IC 140-50646/13	0.4	0.333545	4.8	885413.0	0.833862	Y
6	IC 140-50646/14	1.0	0.962352	4.8	894154.0	0.962352	Y
7	ICIS 140-50646/15	2.0	1.872918	4.8	934893.0	0.936459	Y
8	IC 140-50646/7	4.0	3.865025	4.8	1060151.0	0.966256	Y
9	IC 140-50646/5	8.0	8.081877	4.8	1052212.0	1.010235	Y
10	IC 140-50646/3	16.0	15.714932	4.8	959637.0	0.982183	Y



Calibration

/ 2-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

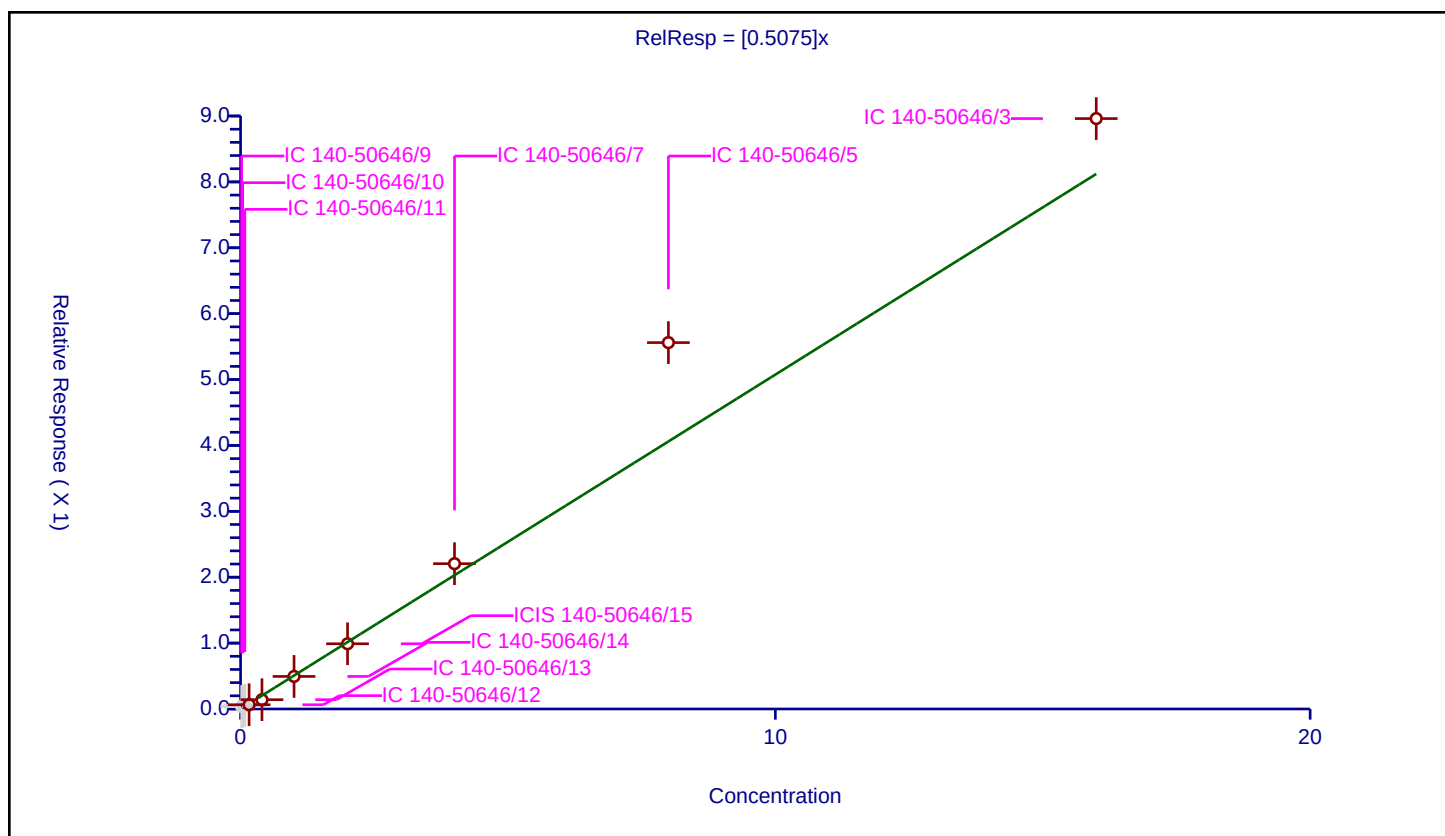
Curve Coefficients

Intercept: 0
 Slope: 0.5075

Error Coefficients

Standard Error: 911000
 Relative Standard Error: 22.0
 Correlation Coefficient: 0.970
 Coefficient of Determination (Adjusted): 0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.020001	0.038616	4.8	959848.0	1.93071	N
2	IC 140-50646/10	0.040002	0.036395	4.8	904221.0	0.909821	N
3	IC 140-50646/11	0.080004	0.055537	4.8	857465.0	0.694175	N
4	IC 140-50646/12	0.160008	0.064665	4.8	847616.0	0.404137	Y
5	IC 140-50646/13	0.40002	0.141201	4.8	885413.0	0.352984	Y
6	IC 140-50646/14	1.00005	0.494175	4.8	894154.0	0.494151	Y
7	ICIS 140-50646/15	2.0001	0.989653	4.8	934893.0	0.494802	Y
8	IC 140-50646/7	4.000199	2.205612	4.8	1060151.0	0.551375	Y
9	IC 140-50646/5	8.000399	5.560852	4.8	1052212.0	0.695072	Y
10	IC 140-50646/3	16.000797	8.961193	4.8	959637.0	0.560047	Y



Calibration

/ 1-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

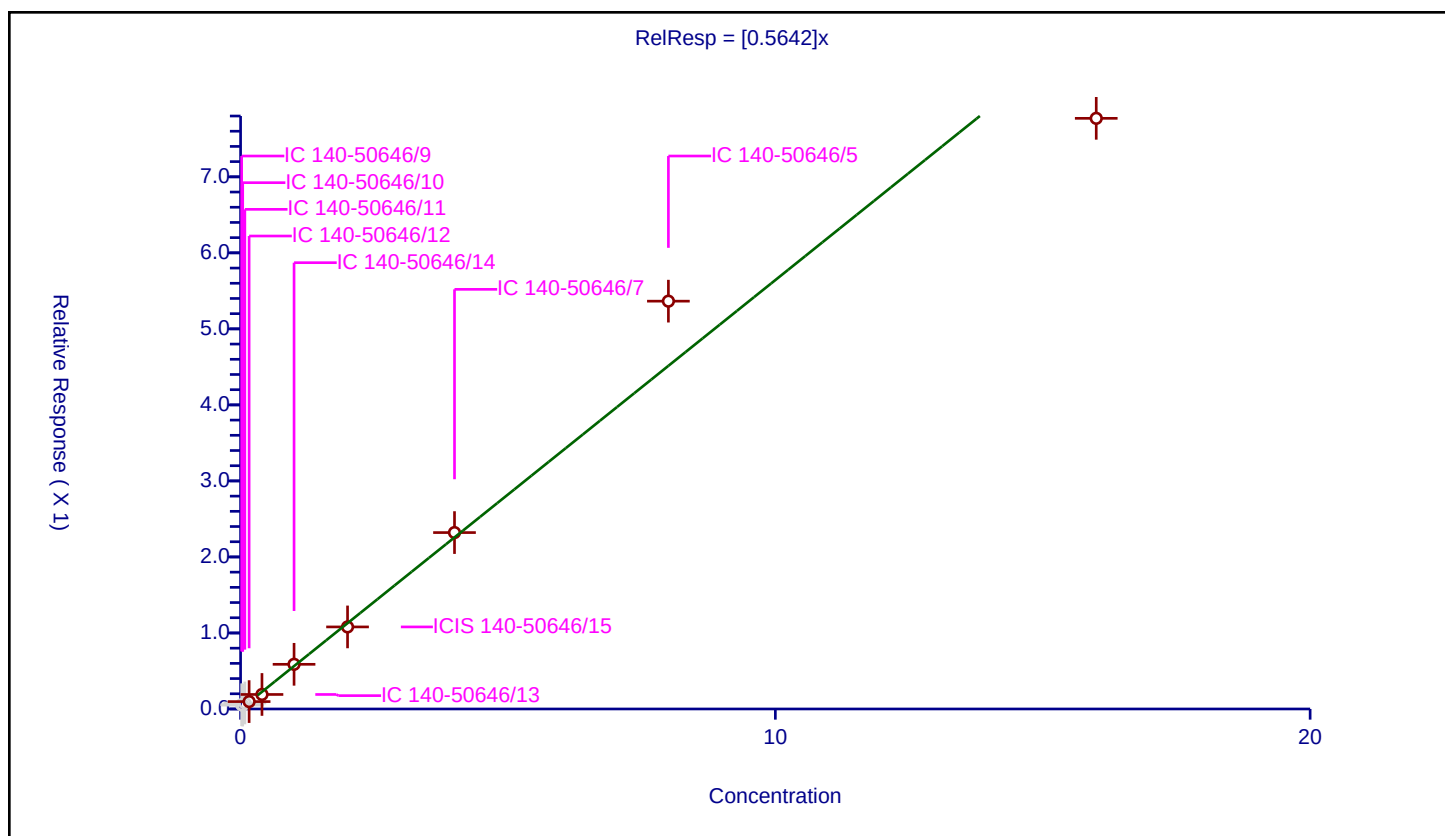
Curve Coefficients

Intercept: 0
 Slope: 0.5642

Error Coefficients

Standard Error: 828000
 Relative Standard Error: 12.2
 Correlation Coefficient: 0.945
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-50646/9	0.020001	0.055699	4.8	959848.0	2.784802	N
2	IC 140-50646/10	0.040002	0.051343	4.8	904221.0	1.283516	N
3	IC 140-50646/11	0.080004	0.079143	4.8	857465.0	0.989239	N
4	IC 140-50646/12	0.160008	0.097323	4.8	847616.0	0.60824	Y
5	IC 140-50646/13	0.40002	0.191048	4.8	885413.0	0.477597	Y
6	IC 140-50646/14	1.00005	0.587738	4.8	894154.0	0.587708	Y
7	ICIS 140-50646/15	2.0001	1.079507	4.8	934893.0	0.539727	Y
8	IC 140-50646/7	4.000199	2.320709	4.8	1060151.0	0.580148	Y
9	IC 140-50646/5	8.000399	5.364543	4.8	1052212.0	0.670534	Y
10	IC 140-50646/3	16.000797	7.769308	4.8	959637.0	0.485558	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: ICV 140-50074/17 Calibration Date: 05/22/2021 19:22
 Instrument ID: MH Calib Start Date: 05/22/2021 09:12
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 05/22/2021 17:53
 Lab File ID: HE22ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.971	2.022		1.64	1.60	2.6	35.0
Propene	Ave	0.8609	0.8505		1.58	1.60	-1.2	35.0
Dichlorodifluoromethane	Ave	3.613	3.548		1.57	1.60	-1.8	35.0
Chloromethane	Ave	0.3089	0.2856		1.48	1.60	-7.6	35.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.590	2.509		1.55	1.60	-3.1	35.0
Acetaldehyde	Ave	0.4050	0.3450		6.81	8.00	-14.8	35.0
Vinyl chloride	Ave	1.064	1.022		1.54	1.60	-3.9	35.0
1,3-Butadiene	Ave	0.7571	0.7043		1.49	1.60	-7.0	35.0
Butane	Ave	1.594	1.523		1.53	1.60	-4.5	35.0
Bromomethane	Ave	1.225	1.123		1.47	1.60	-8.4	35.0
Chloroethane	Ave	0.4255	0.3964		1.49	1.60	-6.8	35.0
Ethanol	LinF		0.4025		6.30	8.00	-21.2	35.0
Vinyl bromide	Ave	1.222	1.359		1.78	1.60	11.2	35.0
2-Methylbutane	Ave	1.138	1.255		1.76	1.60	10.2	35.0
Trichlorofluoromethane	Ave	3.664	3.828		1.67	1.60	4.5	35.0
Acrolein	Ave	0.3216	0.3711		1.85	1.60	15.4	35.0
Acetonitrile	Ave	0.4171	0.4416		1.69	1.60	5.9	35.0
Acetone	Ave	0.4623	0.4869			1.60	5.3	35.0
Isopropyl alcohol	Ave	1.290	1.578		1.96	1.60	22.4	35.0
Pentane	Ave	0.1107	0.1206		1.74	1.60	8.9	35.0
Ethyl ether	Ave	1.065	1.116		1.68	1.60	4.8	35.0
1,1-Dichloroethene	Ave	1.078	1.112		1.65	1.60	3.2	35.0
tert-Butyl alcohol	Ave	1.331	1.402		1.69	1.60	5.4	35.0
Acrylonitrile	Ave	0.6779	0.7392		1.74	1.60	9.0	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.820	2.988		1.70	1.60	6.0	35.0
Methylene Chloride	Ave	1.126	1.083		1.54	1.60	-3.8	35.0
3-Chloropropene	Ave	0.8580	1.015		1.89	1.60	18.3	35.0
Carbon disulfide	Ave	2.951	3.128		1.70	1.60	6.0	35.0
trans-1,2-Dichloroethene	Ave	1.017	1.078		1.70	1.60	6.1	35.0
2-Methylpentane	Ave	1.898	1.966		1.66	1.60	3.6	35.0
Methyl tert-butyl ether	Ave	2.015	2.190		1.74	1.60	8.7	35.0
1,1-Dichloroethane	Ave	1.996	2.011		1.61	1.60	0.7	35.0
Vinyl acetate	Ave	2.283	2.319		1.63	1.60	1.6	35.0
2-Butanone (MEK)	Ave	0.4361	0.4078		1.50	1.60	-6.5	35.0
Hexane	Ave	0.6735	0.7339		1.74	1.60	9.0	35.0
Isopropyl ether	Ave	2.757	3.261		1.89	1.60	18.3	35.0
cis-1,2-Dichloroethene	Ave	1.048	1.084		1.65	1.60	3.4	35.0
Ethyl acetate	Ave	2.219	2.199		1.59	1.60	-0.9	35.0
Chloroform	Ave	2.648	2.770		1.67	1.60	4.6	35.0
Tert-butyl ethyl ether	Ave	2.295	2.442		1.70	1.60	6.4	35.0

FORM VII
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Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: ICV 140-50074/17 Calibration Date: 05/22/2021 19:22
 Instrument ID: MH Calib Start Date: 05/22/2021 09:12
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 05/22/2021 17:53
 Lab File ID: HE22ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.9624	1.033		1.72	1.60	7.4	35.0
1,1,1-Trichloroethane	Ave	2.489	2.583		1.66	1.60	3.8	35.0
1,2-Dichloroethane	Ave	0.3662	0.3680		1.61	1.60	0.5	35.0
1-Butanol	Ave	0.0810	0.0810		1.60	1.60	-0.0	35.0
Cyclohexane	Ave	0.0854	0.1014		1.90	1.60	18.7	35.0
Benzene	Ave	0.6593	0.7448		1.81	1.60	13.0	35.0
Carbon tetrachloride	Ave	0.7004	0.7366		1.68	1.60	5.2	35.0
2,3-Dimethylpentane	Ave	0.1165	0.1313		1.80	1.60	12.7	35.0
Thiophene	Ave	0.3779	0.4204		1.78	1.60	11.3	35.0
2,2,4-Trimethylpentane	Ave	0.9299	1.048		1.80	1.60	12.7	35.0
Heptane	Ave	0.1745	0.1991		1.83	1.60	14.1	35.0
1,2-Dichloropropane	Ave	0.2954	0.3188		1.73	1.60	7.9	35.0
Trichloroethene	Ave	0.3786	0.4045		1.71	1.60	6.9	35.0
Dibromomethane	Ave	0.3935	0.4177		1.70	1.60	6.2	35.0
1,4-Dioxane	Ave	0.0902	0.0912		1.62	1.60	1.1	35.0
Bromodichloromethane	Ave	0.6020	0.6433		1.71	1.60	6.9	35.0
Methyl methacrylate	Ave	0.2900	0.3134		1.73	1.60	8.1	35.0
Methylcyclohexane	Lin1		0.4753		1.90	1.60	19.0	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5307	0.5883		1.77	1.60	10.8	35.0
cis-1,3-Dichloropropene	Ave	0.3689	0.4236		1.84	1.60	14.8	35.0
trans-1,3-Dichloropropene	Ave	0.3675	0.4009		1.75	1.60	9.1	35.0
Toluene	LinF		1.083		1.61	1.60	0.7	35.0
1,1,2-Trichloroethane	Ave	0.3813	0.4047		1.70	1.60	6.1	35.0
2-Hexanone	Ave	0.2563	0.3119		1.95	1.60	21.7	35.0
Octane	Lin2		0.2746		1.76	1.60	9.8	35.0
Dibromochloromethane	Ave	0.8829	0.9856		1.79	1.60	11.6	35.0
1,2-Dibromoethane (EDB)	Ave	0.6644	0.7174		1.73	1.60	8.0	35.0
Tetrachloroethene	Ave	0.4763	0.5271		1.77	1.60	10.7	35.0
2,3-Dimethylheptane	Ave	1.001	0.9801		1.57	1.60	-2.1	35.0
Chlorobenzene	Ave	0.9860	1.083		1.76	1.60	9.9	35.0
Ethylbenzene	LinF		1.427		1.56	1.60	-2.4	35.0
m-Xylene & p-Xylene	LinF		1.281		3.34	3.20	4.4	35.0
Nonane	Lin2		0.6466		1.72	1.60	7.5	35.0
Bromoform	LinF		1.264		1.42	1.60	-11.1	35.0
Styrene	Qua		0.9064		1.81	1.60	13.4	35.0
o-Xylene	LinF		1.290		1.57	1.60	-2.1	35.0
1,1,2,2-Tetrachloroethane	Ave	1.023	1.119		1.75	1.60	9.4	35.0
1,2,3-Trichloropropane	Ave	0.2190	0.2450		1.79	1.60	11.8	35.0
Isopropylbenzene	Ave	1.471	1.789		1.95	1.60	21.6	35.0
Propylbenzene	Ave	0.4054	0.4910		1.94	1.60	21.1	35.0
2-Chlorotoluene	Ave	0.4711	0.5660		1.92	1.60	20.2	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: ICV 140-50074/17 Calibration Date: 05/22/2021 19:22
 Instrument ID: MH Calib Start Date: 05/22/2021 09:12
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 05/22/2021 17:53
 Lab File ID: HE22ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.622	1.852		1.83	1.60	14.2	35.0
1,3,5-Trimethylbenzene	Lin1		0.9063		1.95	1.60	22.2	35.0
Alpha Methyl Styrene	Lin1		0.7622		1.62	1.60	1.1	35.0
Decane	Ave	0.995	1.093		1.76	1.60	9.8	35.0
tert-Butylbenzene	Ave	1.569	1.834		1.87	1.60	16.9	35.0
1,2,4-Trimethylbenzene	Lin2		1.815		1.73	1.60	8.4	35.0
sec-Butylbenzene	Ave	2.105	2.483		1.89	1.60	18.0	35.0
1,3-Dichlorobenzene	Ave	1.242	1.396		1.80	1.60	12.4	35.0
Benzyl chloride	Ave	1.223	1.339		1.75	1.60	9.5	35.0
1,4-Dichlorobenzene	Ave	1.177	1.348		1.83	1.60	14.5	35.0
4-Isopropyltoluene	Lin2		2.117		1.71	1.60	7.0	35.0
1,2,3-Trimethylbenzene	Lin2		1.355		1.28	1.60	-19.8	35.0
Butylcyclohexane	Ave	1.195	1.369		1.83	1.60	14.6	35.0
Indane	Ave	1.441	1.786		1.98	1.60	23.9	35.0
1,2-Dichlorobenzene	Ave	1.272	1.459		1.83	1.60	14.7	35.0
Butylbenzene	Ave	2.108	2.404		1.82	1.60	14.1	35.0
Indene	Ave	1.357	1.374		1.62	1.60	1.3	35.0
Undecane	Ave	1.242	1.302		1.68	1.60	4.9	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.7043	0.6447		1.46	1.60	-8.5	35.0
1,2,4,5-Tetramethylbenzene	Qua		1.965		1.71	1.60	6.9	35.0
Dodecane	Ave	1.332	1.431		1.72	1.60	7.5	35.0
1,2,4-Trichlorobenzene	Ave	0.9949	1.216		1.96	1.60	22.2	35.0
Naphthalene	Ave	1.752	1.952		1.78	1.60	11.4	35.0
Hexachlorobutadiene	Ave	1.504	1.452		1.55	1.60	-3.4	35.0
1,2,3-Trichlorobenzene	Ave	1.034	1.035		1.60	1.60	0.0	35.0
2-Methylnaphthalene	Ave	0.8657	0.5457		1.01	1.60	-37.0	50.0
1-Methylnaphthalene	Ave	1.024	0.8217		1.28	1.60	-19.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8286	0.8654		4.85	4.64	4.4	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22ICV.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 22-May-2021 19:22:30 ALS Bottle#: 6 Worklist Smp#: 17
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019329-017
 Misc. Info.: S147 80ML
 Operator ID: HMT Instrument ID: MH
 Sublist:
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-May-2021 13:48:59 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1667

First Level Reviewer: barlozhetskayaa

Date: 25-May-2021 14:53:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.358	9.358	0.000	88	274980	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.534	11.534	0.000	94	1218574	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.222	16.222	0.000	86	1008801	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.860	17.866	-0.006	96	843924	4.64	4.85	
6 Chlorodifluoromethane	51	3.844	3.849	-0.005	97	185375	1.60	1.64	
7 Propene	41	3.859	3.864	-0.005	98	77960	1.60	1.58	
8 Dichlorodifluoromethane	85	3.916	3.916	0.000	100	325207	1.60	1.57	
9 Chloromethane	52	4.118	4.123	-0.005	53	26175	1.60	1.48	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.123	4.123	0.000	87	230001	1.60	1.55	
11 Acetaldehyde	44	4.283	4.288	-0.005	90	158091	8.00	6.81	
12 Vinyl chloride	62	4.309	4.309	0.000	100	93695	1.60	1.54	
14 Butadiene	54	4.402	4.402	0.000	78	64555	1.60	1.49	
13 Butane	43	4.402	4.402	0.000	87	139556	1.60	1.53	
15 Bromomethane	94	4.758	4.764	-0.006	97	102913	1.60	1.47	
16 Chloroethane	64	4.919	4.919	0.000	82	36331	1.60	1.49	
17 Ethanol	31	5.001	5.007	-0.006	97	184484	8.00	6.30	
18 Vinyl bromide	106	5.249	5.250	-0.001	97	124591	1.60	1.78	
19 2-Methylbutane	43	5.301	5.296	0.005	92	115042	1.60	1.76	
20 Trichlorofluoromethane	101	5.544	5.544	0.000	100	350901	1.60	1.67	
21 Acrolein	56	5.554	5.555	-0.001	96	34013	1.60	1.85	
22 Acetonitrile	40	5.627	5.627	0.000	99	40478	1.60	1.69	
23 Acetone	58	5.668	5.673	-0.005	100	44626	1.60	1.68	
25 Isopropyl alcohol	45	5.751	5.751	0.000	95	144658	1.60	1.96	
24 Pentane	72	5.771	5.782	-0.011	97	11053	1.60	1.74	
26 Ethyl ether	31	5.952	5.958	-0.006	89	102294	1.60	1.68	
27 1,1-Dichloroethene	96	6.309	6.309	0.000	98	101948	1.60	1.65	
29 2-Methyl-2-propanol	59	6.392	6.392	0.000	95	128541	1.60	1.69	
28 Acrylonitrile	53	6.417	6.423	-0.006	92	67755	1.60	1.74	
30 112TCTFE	101	6.490	6.495	-0.005	96	273901	1.60	1.70	
31 Methylene Chloride	84	6.686	6.686	0.000	97	99280	1.60	1.54	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.702	6.697	0.005	98	93050	1.60	1.89	
33 Carbon disulfide	76	6.862	6.862	0.000	100	286671	1.60	1.70	
34 trans-1,2-Dichloroethene	96	7.539	7.539	0.000	98	98848	1.60	1.70	
35 2-Methylpentane	43	7.544	7.550	-0.006	95	180238	1.60	1.66	
36 Methyl tert-butyl ether	73	7.653	7.653	0.000	94	200714	1.60	1.74	
37 1,1-Dichloroethane	63	7.983	7.984	-0.001	99	184329	1.60	1.61	
38 Vinyl acetate	43	8.082	8.082	0.000	99	212575	1.60	1.63	
39 2-Butanone (MEK)	72	8.542	8.547	-0.005	96	37382	1.60	1.50	
40 Hexane	56	8.573	8.578	-0.005	90	67269	1.60	1.74	
41 Isopropyl ether	45	8.723	8.733	-0.010	94	298863	1.60	1.89	
42 cis-1,2-Dichloroethene	96	9.012	9.017	-0.005	93	99334	1.60	1.65	
43 Ethyl acetate	43	9.177	9.178	-0.001	98	201544	1.60	1.59	
44 Chloroform	83	9.363	9.369	-0.006	95	253944	1.60	1.67	
45 Tert-butyl ethyl ether	59	9.425	9.431	-0.006	98	223861	1.60	1.70	
46 Tetrahydrofuran	42	9.761	9.767	-0.006	90	94704	1.60	1.72	
47 1,1,1-Trichloroethane	97	10.418	10.423	-0.005	97	236766	1.60	1.66	
48 1,2-Dichloroethane	62	10.531	10.532	-0.001	97	149461	1.60	1.61	
49 n-Butanol	31	10.924	10.935	-0.011	95	32918	1.60	1.60	
51 Benzene	78	11.012	11.012	0.000	98	302541	1.60	1.81	
50 Cyclohexane	69	11.007	11.012	-0.005	73	41189	1.60	1.90	
52 Carbon tetrachloride	117	11.033	11.028	0.005	98	299183	1.60	1.68	
53 2,3-Dimethylpentane	71	11.110	11.111	-0.001	91	53330	1.60	1.80	
54 Thiophene	84	11.281	11.281	0.000	94	170781	1.60	1.78	
55 Isooctane	57	11.741	11.741	0.000	96	425757	1.60	1.80	
56 n-Heptane	71	12.103	12.103	0.000	94	80881	1.60	1.83	
57 1,2-Dichloropropane	63	12.211	12.211	0.000	91	129513	1.60	1.73	
58 Trichloroethene	130	12.242	12.248	-0.006	97	164314	1.60	1.71	
59 Dibromomethane	93	12.335	12.335	0.000	94	169674	1.60	1.70	
60 Dichlorobromomethane	83	12.470	12.470	0.000	98	261310	1.60	1.71	
61 1,4-Dioxane	88	12.470	12.475	-0.005	36	37043	1.60	1.62	
62 Methyl methacrylate	41	12.537	12.537	0.000	90	127310	1.60	1.73	
63 Methylcyclohexane	83	12.997	12.997	0.000	95	193043	1.60	1.90	
64 4-Methyl-2-pentanone (MIBK)	43	13.379	13.379	0.000	98	238944	1.60	1.77	
65 cis-1,3-Dichloropropene	75	13.452	13.452	0.000	97	172077	1.60	1.84	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	99	134819	1.60	1.75	
67 Toluene	91	14.268	14.268	0.000	92	364276	1.60	1.61	
68 1,1,2-Trichloroethane	83	14.341	14.341	0.000	96	136077	1.60	1.70	
69 2-Hexanone	58	14.697	14.703	-0.006	90	104887	1.60	1.95	
70 n-Octane	85	14.919	14.920	-0.001	96	92345	1.60	1.76	
71 Chlorodibromomethane	129	15.043	15.044	-0.001	97	331416	1.60	1.79	
72 Ethylene Dibromide	107	15.333	15.333	0.000	98	241237	1.60	1.73	
73 Tetrachloroethene	129	15.395	15.400	-0.005	96	177245	1.60	1.77	
75 2,3-Dimethylheptane	43	16.258	16.258	0.000	94	329565	1.60	1.57	
74 Chlorobenzene	112	16.268	16.269	-0.001	97	364308	1.60	1.76	
76 Ethylbenzene	91	16.547	16.548	-0.001	99	479743	1.60	1.56	
77 m-Xylene & p-Xylene	91	16.708	16.708	0.000	98	861512	3.20	3.34	
78 n-Nonane	57	17.095	17.095	0.000	94	217416	1.60	1.72	
80 Styrene	104	17.173	17.173	0.000	84	304802	1.60	1.81	
79 Bromoform	173	17.168	17.173	-0.005	95	425061	1.60	1.42	
81 o-Xylene	91	17.230	17.230	0.000	99	433670	1.60	1.57	
82 1,1,2,2-Tetrachloroethane	83	17.560	17.561	-0.001	99	376408	1.60	1.75	
83 1,2,3-Trichloropropane	110	17.726	17.726	0.000	97	82371	1.60	1.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.824	17.824	0.000	96	601712	1.60	1.95	
85 N-Propylbenzene	120	18.362	18.367	-0.005	99	165101	1.60	1.94	
86 2-Chlorotoluene	126	18.418	18.419	-0.001	97	190338	1.60	1.92	
87 4-Ethyltoluene	105	18.511	18.517	-0.006	99	622899	1.60	1.83	
88 1,3,5-Trimethylbenzene	120	18.584	18.589	-0.005	92	304774	1.60	1.95	
89 Alpha Methyl Styrene	118	18.822	18.822	0.000	88	256315	1.60	1.62	
90 n-Decane	57	18.858	18.858	0.000	88	367486	1.60	1.76	
91 tert-Butylbenzene	119	19.018	19.018	0.000	91	616866	1.60	1.87	
92 1,2,4-Trimethylbenzene	105	19.028	19.028	0.000	96	610400	1.60	1.73	
93 sec-Butylbenzene	105	19.287	19.287	0.000	99	835041	1.60	1.89	
94 1,3-Dichlorobenzene	146	19.313	19.313	0.000	96	469406	1.60	1.80	
95 Benzyl chloride	91	19.385	19.385	0.000	98	450351	1.60	1.75	
96 1,4-Dichlorobenzene	146	19.400	19.401	-0.001	96	453169	1.60	1.83	
97 4-Isopropyltoluene	119	19.447	19.447	0.000	97	711975	1.60	1.71	
98 1,2,3-Trimethylbenzene	105	19.509	19.509	0.000	98	455514	1.60	1.28	
99 Butylcyclohexane	83	19.555	19.556	-0.001	94	460369	1.60	1.83	
101 2,3-Dihydroindene	117	19.762	19.762	0.000	93	600552	1.60	1.98	
100 1,2-Dichlorobenzene	146	19.767	19.768	-0.001	98	490539	1.60	1.83	
103 n-Butylbenzene	91	19.886	19.886	0.000	96	808345	1.60	1.82	
102 Indene	116	19.891	19.897	-0.006	89	462117	1.60	1.62	
104 Undecane	57	20.181	20.181	0.000	93	437937	1.60	1.68	
105 1,2-Dibromo-3-Chloropropane	157	20.377	20.377	0.000	96	216807	1.60	1.46	
106 1,2,4,5-Tetramethylbenzene	119	20.661	20.662	-0.001	97	660854	1.60	1.71	
107 Dodecane	57	21.292	21.292	0.000	91	481233	1.60	1.72	
108 1,2,4-Trichlorobenzene	180	21.535	21.535	0.000	94	408959	1.60	1.96	
109 Naphthalene	128	21.664	21.664	0.000	99	656342	1.60	1.78	
110 Hexachlorobutadiene	225	21.824	21.825	-0.001	91	488250	1.60	1.55	
111 1,2,3-Trichlorobenzene	180	21.886	21.887	-0.001	94	347882	1.60	1.60	
112 2-Methylnaphthalene	142	22.429	22.429	0.000	96	183505	1.60	1.01	
113 1-Methylnaphthalene	142	22.558	22.558	0.000	98	276331	1.60	1.28	
A 115 C8 Range	1	14.919	(14.863-14.966)		0	1073874	1.60	1.76	
S 116 Xylenes, Total	100				0		4.80	4.91	
S 117 1,2-Dichloroethene, Total	1				0		3.20	3.35	
T 139 2-Methylthiophene TIC	97	14.418	14.418	0.000	98	295541	1.60	1.41	
T 142 3-Methylthiophene TIC	97	14.620	14.620	0.000	99	296646	1.60	1.41	
T 141 2-Ethylthiophene TIC	97	16.651	16.651	0.000	98	386892	1.60	1.84	
T 152 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.258	20.274	-0.016	98	549051	1.60	2.61	
T 149 1,2,3,5-Tetramethylbenzene TIC	119	20.718	20.718	-0.011	95	406876	1.60	1.94	a
T 150 1,2,3,4-Tetramethylbenzene TIC	119	21.152	21.152	-0.006	97	525063	1.60	2.50	a
T 151 Benzo(b)thiophene TIC	134	21.752	21.757	-0.005	99	318021	1.60	1.51	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

40CV101S_00147

Amount Added: 80.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 25-May-2021 14:53:48

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22ICV.D

Injection Date: 22-May-2021 19:22:30

Instrument ID: MH

Operator ID: HMT

Lims ID: ICV

Worklist Smp#: 17

Client ID:

Purge Vol: 500.000 mL

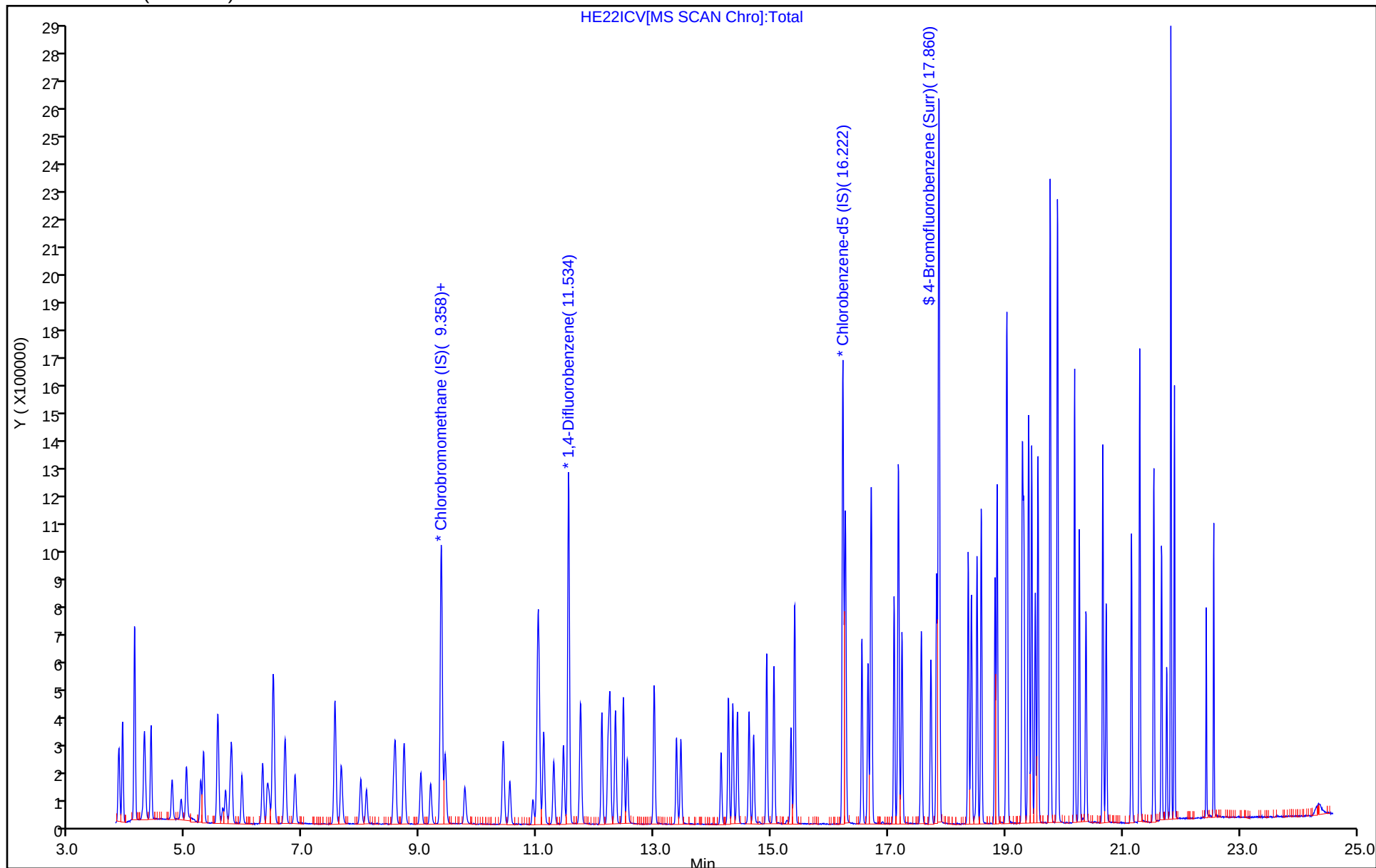
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-50713/2 Calibration Date: 06/13/2021 07:49
 Instrument ID: MH Calib Start Date: 05/22/2021 09:12
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 05/22/2021 17:53
 Lab File ID: HCCVF13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.971	2.778		2.82	2.00	40.9*	30.0
Propene	Ave	0.8609	0.8610		2.00	2.00	0.0	30.0
Dichlorodifluoromethane	Ave	3.613	5.094		2.82	2.00	41.0*	30.0
Chloromethane	Ave	0.3089	0.3624		2.35	2.00	17.3	30.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.590	3.419		2.64	2.00	32.0*	30.0
Acetaldehyde	Ave	0.4050	0.4227		10.4	10.0	4.4	30.0
Vinyl chloride	Ave	1.064	1.041		1.96	2.00	-2.1	30.0
1,3-Butadiene	Ave	0.7571	0.7048		1.86	2.00	-6.9	30.0
Butane	Ave	1.594	1.510		1.89	2.00	-5.3	30.0
Bromomethane	Ave	1.225	1.323		2.16	2.00	8.0	30.0
Chloroethane	Ave	0.4255	0.4597		2.16	2.00	8.1	30.0
Ethanol	LinF		0.6223		12.2	10.0	21.7	30.0
Vinyl bromide	Ave	1.222	1.187		1.94	2.00	-2.9	30.0
2-Methylbutane	Ave	1.138	1.182		2.08	2.00	3.8	30.0
Trichlorofluoromethane	Ave	3.664	5.470		2.99	2.00	49.3*	30.0
Acrolein	Ave	0.3216	0.2396		1.49	2.00	-25.5	30.0
Acetonitrile	Ave	0.4171	0.6127		2.94	2.00	46.9*	30.0
Acetone	Ave	0.4623	0.5735		7.44	6.00	24.1	30.0
Isopropyl alcohol	Ave	1.290	1.426		6.63	6.00	10.6	30.0
Pentane	Ave	0.1107	0.1105		2.00	2.00	-0.2	30.0
Ethyl ether	Ave	1.065	1.129		2.12	2.00	6.0	30.0
1,1-Dichloroethene	Ave	1.078	0.9324		1.73	2.00	-13.5	30.0
tert-Butyl alcohol	Ave	1.331	1.570		2.36	2.00	18.0	30.0
Acrylonitrile	Ave	0.6779	0.6823		2.01	2.00	0.6	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.820	3.299		2.34	2.00	17.0	30.0
Methylene Chloride	Ave	1.126	1.068		1.90	2.00	-5.1	30.0
3-Chloropropene	Ave	0.8580	1.236		2.88	2.00	44.0*	30.0
Carbon disulfide	Ave	2.951	3.113		2.11	2.00	5.5	30.0
trans-1,2-Dichloroethene	Ave	1.017	0.9351		1.84	2.00	-8.0	30.0
2-Methylpentane	Ave	1.898	2.180		2.30	2.00	14.8	30.0
Methyl tert-butyl ether	Ave	2.015	2.429		2.41	2.00	20.6	30.0
1,1-Dichloroethane	Ave	1.996	2.294		2.30	2.00	14.9	30.0
Vinyl acetate	Ave	2.283	2.419		2.12	2.00	5.9	30.0
2-Butanone (MEK)	Ave	0.4361	0.4145		1.90	2.00	-4.9	30.0
Hexane	Ave	0.6735	0.7983		2.37	2.00	18.5	30.0
Isopropyl ether	Ave	2.757	3.288		2.38	2.00	19.2	30.0
cis-1,2-Dichloroethene	Ave	1.048	0.9188		1.75	2.00	-12.3	30.0
Ethyl acetate	Ave	2.219	2.656		2.39	2.00	19.7	30.0
Chloroform	Ave	2.648	3.542		2.68	2.00	33.8*	30.0
Tert-butyl ethyl ether	Ave	2.295	2.896		2.52	2.00	26.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-50713/2 Calibration Date: 06/13/2021 07:49
 Instrument ID: MH Calib Start Date: 05/22/2021 09:12
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 05/22/2021 17:53
 Lab File ID: HCCVF13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.9624	1.136		2.36	2.00	18.0	30.0
1,1,1-Trichloroethane	Ave	2.489	3.562		2.86	2.00	43.1*	30.0
1,2-Dichloroethane	Ave	0.3662	0.5335		2.91	2.00	45.7*	30.0
1-Butanol	Ave	0.0810	0.0932		2.30	2.00	15.0	30.0
Cyclohexane	Ave	0.0854	0.0969		2.27	2.00	13.4	30.0
Benzene	Ave	0.6593	0.7243		2.20	2.00	9.9	30.0
Carbon tetrachloride	Ave	0.7004	1.102		3.15	2.00	57.3*	30.0
2,3-Dimethylpentane	Ave	0.1165	0.1281		2.20	2.00	10.0	30.0
Thiophene	Ave	0.3779	0.4018		2.13	2.00	6.3	30.0
2,2,4-Trimethylpentane	Ave	0.9299	1.047		2.25	2.00	12.5	30.0
Heptane	Ave	0.1745	0.1809		2.07	2.00	3.6	30.0
1,2-Dichloropropane	Ave	0.2954	0.3074		2.08	2.00	4.0	30.0
Trichloroethene	Ave	0.3786	0.4339		2.29	2.00	14.6	30.0
Dibromomethane	Ave	0.3935	0.5046		2.56	2.00	28.2	30.0
Bromodichloromethane	Ave	0.6020	0.8566		2.85	2.00	42.3*	30.0
1,4-Dioxane	Ave	0.0902	0.0771		1.71	2.00	-14.5	30.0
Methyl methacrylate	Ave	0.2900	0.3855		2.66	2.00	32.9*	30.0
Methylcyclohexane	Lin1		0.3468		1.74	2.00	-12.8	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5307	0.6848		2.58	2.00	29.0	30.0
cis-1,3-Dichloropropene	Ave	0.3689	0.4501		2.44	2.00	22.0	30.0
trans-1,3-Dichloropropene	Ave	0.3675	0.3935		2.14	2.00	7.1	30.0
Toluene	LinF		1.052		1.96	2.00	-2.2	30.0
1,1,2-Trichloroethane	Ave	0.3813	0.4281		2.25	2.00	12.3	30.0
2-Hexanone	Ave	0.2563	0.2637		2.06	2.00	2.9	30.0
Octane	Lin2		0.2439		1.94	2.00	-3.1	30.0
Dibromochloromethane	Ave	0.8829	1.169		2.65	2.00	32.4*	30.0
1,2-Dibromoethane (EDB)	Ave	0.6644	0.7028		2.12	2.00	5.8	30.0
Tetrachloroethene	Ave	0.4763	0.5543		2.33	2.00	16.4	30.0
2,3-Dimethylheptane	Ave	1.001	1.376		2.75	2.00	37.5*	30.0
Chlorobenzene	Ave	0.9860	1.124		2.28	2.00	14.0	30.0
Ethylbenzene	LinF		1.425		1.95	2.00	-2.4	30.0
m-Xylene & p-Xylene	LinF		1.380		4.50	4.00	12.4	30.0
Nonane	Lin2		0.6420		2.11	2.00	5.4	30.0
Bromoform	LinF		1.558		2.19	2.00	9.6	30.0
Styrene	Qua		0.8717		2.17	2.00	8.4	30.0
o-Xylene	LinF		1.440		2.19	2.00	9.4	30.0
1,1,2,2-Tetrachloroethane	Ave	1.023	0.9883		1.93	2.00	-3.4	30.0
1,2,3-Trichloropropane	Ave	0.2190	0.2668		2.44	2.00	21.8	30.0
Isopropylbenzene	Ave	1.471	1.711		2.33	2.00	16.3	30.0
Propylbenzene	Ave	0.4054	0.4240		2.09	2.00	4.6	30.0
2-Chlorotoluene	Ave	0.4711	0.5170		2.20	2.00	9.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-50713/2 Calibration Date: 06/13/2021 07:49
 Instrument ID: MH Calib Start Date: 05/22/2021 09:12
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 05/22/2021 17:53
 Lab File ID: HCCVF13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.622	1.917		2.36	2.00	18.2	30.0
1,3,5-Trimethylbenzene	Lin1		0.7567		2.04	2.00	1.9	30.0
Alpha Methyl Styrene	Lin1		0.6226		1.65	2.00	-17.5	30.0
Decane	Ave	0.995	1.141		2.29	2.00	14.7	30.0
tert-Butylbenzene	Ave	1.569	1.974		2.52	2.00	25.8	30.0
1,2,4-Trimethylbenzene	Lin2		2.075		2.46	2.00	22.9	30.0
sec-Butylbenzene	Ave	2.105	2.600		2.47	2.00	23.5	30.0
1,3-Dichlorobenzene	Ave	1.242	1.523		2.45	2.00	22.7	30.0
Benzyl chloride	Ave	1.223	1.574		2.57	2.00	28.7	30.0
1,4-Dichlorobenzene	Ave	1.177	1.468		2.49	2.00	24.7	30.0
4-Isopropyltoluene	Lin2		2.392		2.39	2.00	19.7	30.0
1,2,3-Trimethylbenzene	Lin2		2.036		2.37	2.00	18.3	30.0
Butylcyclohexane	Ave	1.195	1.552		2.60	2.00	29.9	30.0
Indane	Ave	1.441	1.908		2.65	2.00	32.4*	30.0
1,2-Dichlorobenzene	Ave	1.272	1.633		2.57	2.00	28.4	30.0
Butylbenzene	Ave	2.108	2.906		2.76	2.00	37.9*	30.0
Indene	Ave	1.357	1.557		2.29	2.00	14.7	30.0
Undecane	Ave	1.242	1.443		2.32	2.00	16.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.7043	0.8557		2.43	2.00	21.5	30.0
1,2,4,5-Tetramethylbenzene	Qua		2.199		2.34	2.00	17.1	30.0
Dodecane	Ave	1.332	1.394		2.09	2.00	4.7	30.0
1,2,4-Trichlorobenzene	Ave	0.9949	1.344		2.70	2.00	35.1*	30.0
Naphthalene	Ave	1.752	2.063		2.35	2.00	17.7	30.0
Hexachlorobutadiene	Ave	1.504	1.972		2.62	2.00	31.1*	30.0
1,2,3-Trichlorobenzene	Ave	1.034	1.107		2.14	2.00	7.1	30.0
2-Methylnaphthalene	Ave	0.8657	0.7704		1.78	2.00	-11.0	50.0
1-Methylnaphthalene	Ave	1.024	1.253		2.45	2.00	22.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8286	1.039		5.82	4.64	25.3	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HCCVF13.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 13-Jun-2021 07:49:30 ALS Bottle#: 11 Worklist Smp#: 2
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019547-002
 Misc. Info.: P141 100ML
 Operator ID: HMT Instrument ID: MH
 Sublist: chrom-MH_TO15*sub7
 Method: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 14-Jun-2021 14:17:43 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 14-Jun-2021 14:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.353	9.353	0.000	91	111155	4.80	4.80	s
* 2 1,4-Difluorobenzene	114	11.529	11.529	0.000	96	497228	4.80	4.80	s
* 3 Chlorobenzene-d5 (IS)	117	16.217	16.217	0.000	92	419936	4.80	4.80	s
\$ 4 4-Bromofluorobenzene (Surr)	95	17.891	17.891	0.000	93	421575	4.64	5.82	
6 Chlorodifluoromethane	51	3.849	3.849	0.000	99	128642	2.00	2.82	
7 Propene	41	3.859	3.859	0.000	95	39879	2.00	2.00	
8 Dichlorodifluoromethane	85	3.916	3.916	0.000	98	235926	2.00	2.82	
9 Chloromethane	52	4.118	4.118	0.000	88	16786	2.00	2.35	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.123	4.123	0.000	89	158331	2.00	2.64	
11 Acetaldehyde	44	4.283	4.283	0.000	81	97891	10.0	10.4	
12 Vinyl chloride	62	4.304	4.304	0.000	95	48219	2.00	1.96	
14 Butadiene	54	4.397	4.397	0.000	73	32644	2.00	1.86	
13 Butane	43	4.397	4.397	0.000	74	69946	2.00	1.89	
15 Bromomethane	94	4.764	4.764	0.000	92	61292	2.00	2.16	
16 Chloroethane	64	4.914	4.914	0.000	83	21293	2.00	2.16	
17 Ethanol	31	5.002	5.002	0.000	89	144097	10.0	12.2	
18 Vinyl bromide	106	5.244	5.244	0.000	93	54962	2.00	1.94	
19 2-Methylbutane	43	5.296	5.296	0.000	87	54725	2.00	2.08	
20 Trichlorofluoromethane	101	5.534	5.534	0.000	97	253340	2.00	2.99	
21 Acrolein	56	5.560	5.560	0.000	75	11098	2.00	1.49	
22 Acetonitrile	40	5.627	5.627	0.000	90	28376	2.00	2.94	
23 Acetone	58	5.668	5.668	0.000	99	79684	6.00	7.44	
25 Isopropyl alcohol	45	5.746	5.746	0.000	95	198116	6.00	6.63	
24 Pentane	72	5.777	5.777	0.000	91	5118	2.00	2.00	
26 Ethyl ether	31	5.952	5.952	0.000	81	52293	2.00	2.12	
27 1,1-Dichloroethene	96	6.309	6.309	0.000	92	43184	2.00	1.73	
29 2-Methyl-2-propanol	59	6.387	6.387	0.000	93	72714	2.00	2.36	
28 Acrylonitrile	53	6.418	6.418	0.000	87	31599	2.00	2.01	
30 112TCTFE	101	6.480	6.480	0.000	94	152808	2.00	2.34	
31 Methylene Chloride	84	6.686	6.686	0.000	90	49464	2.00	1.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.692	6.692	0.000	83	57227	2.00	2.88	
33 Carbon disulfide	76	6.862	6.862	0.000	93	144180	2.00	2.11	
34 trans-1,2-Dichloroethene	96	7.534	7.534	0.000	91	43310	2.00	1.84	
35 2-Methylpentane	43	7.544	7.544	0.000	88	100971	2.00	2.30	
36 Methyl tert-butyl ether	73	7.648	7.648	0.000	88	112518	2.00	2.41	
37 1,1-Dichloroethane	63	7.978	7.978	0.000	97	106268	2.00	2.30	
38 Vinyl acetate	43	8.077	8.077	0.000	98	112025	2.00	2.12	
39 2-Butanone (MEK)	72	8.542	8.542	0.000	96	19197	2.00	1.90	
40 Hexane	56	8.563	8.563	0.000	81	36972	2.00	2.37	
41 Isopropyl ether	45	8.723	8.723	0.000	87	152267	2.00	2.38	
42 cis-1,2-Dichloroethene	96	9.012	9.012	0.000	97	42556	2.00	1.75	
43 Ethyl acetate	43	9.172	9.172	0.000	95	123033	2.00	2.39	
44 Chloroform	83	9.358	9.358	0.000	90	164057	2.00	2.68	
45 Tert-butyl ethyl ether	59	9.420	9.420	0.000	95	134149	2.00	2.52	
46 Tetrahydrofuran	42	9.762	9.762	0.000	84	52591	2.00	2.36	
47 1,1,1-Trichloroethane	97	10.413	10.413	0.000	95	164988	2.00	2.86	
48 1,2-Dichloroethane	62	10.526	10.526	0.000	97	110538	2.00	2.91	
49 n-Butanol	31	10.919	10.919	0.000	84	19304	2.00	2.30	
50 Cyclohexane	69	10.997	10.997	0.000	70	20069	2.00	2.27	
51 Benzene	78	11.002	11.002	0.000	93	150062	2.00	2.20	
52 Carbon tetrachloride	117	11.023	11.023	0.000	93	228309	2.00	3.15	
53 2,3-Dimethylpentane	71	11.100	11.100	0.000	79	26533	2.00	2.20	
54 Thiophene	84	11.276	11.276	0.000	90	83251	2.00	2.13	
55 Isooctane	57	11.731	11.731	0.000	90	216825	2.00	2.25	
56 n-Heptane	71	12.098	12.098	0.000	89	37472	2.00	2.07	
57 1,2-Dichloropropane	63	12.206	12.206	0.000	74	63682	2.00	2.08	
58 Trichloroethene	130	12.232	12.232	0.000	89	89903	2.00	2.29	
59 Dibromomethane	93	12.330	12.330	0.000	93	104541	2.00	2.56	
60 Dichlorobromomethane	83	12.465	12.465	0.000	95	177475	2.00	2.85	
61 1,4-Dioxane	88	12.470	12.470	0.000	37	15969	2.00	1.71	
62 Methyl methacrylate	41	12.537	12.537	0.000	82	79866	2.00	2.66	
63 Methylcyclohexane	83	12.997	12.997	0.000	84	71848	2.00	1.74	
64 4-Methyl-2-pentanone (MIBK)	43	13.374	13.374	0.000	94	141885	2.00	2.58	
65 cis-1,3-Dichloropropene	75	13.447	13.447	0.000	92	93259	2.00	2.44	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	89	68846	2.00	2.14	
67 Toluene	91	14.258	14.258	0.000	90	184137	2.00	1.96	
68 1,1,2-Trichloroethane	83	14.336	14.336	0.000	87	74914	2.00	2.25	
69 2-Hexanone	58	14.692	14.692	0.000	86	46134	2.00	2.06	
70 n-Octane	85	14.914	14.914	0.000	90	42673	2.00	1.94	
71 Chlorodibromomethane	129	15.038	15.038	0.000	95	204521	2.00	2.65	
72 Ethylene Dibromide	107	15.328	15.328	0.000	94	122970	2.00	2.12	
73 Tetrachloroethene	129	15.390	15.390	0.000	89	96982	2.00	2.33	
75 2,3-Dimethylheptane	43	16.253	16.253	0.000	89	240824	2.00	2.75	
74 Chlorobenzene	112	16.269	16.269	0.000	92	196594	2.00	2.28	
76 Ethylbenzene	91	16.548	16.548	0.000	99	249422	2.00	1.95	
77 m-Xylene & p-Xylene	91	16.703	16.703	0.000	99	482906	4.00	4.50	
78 n-Nonane	57	17.111	17.111	0.000	87	112337	2.00	2.11	
79 Bromoform	173	17.189	17.189	0.000	92	272648	2.00	2.19	
80 Styrene	104	17.189	17.189	0.000	79	152527	2.00	2.17	
81 o-Xylene	91	17.251	17.251	0.000	96	251996	2.00	2.19	
82 1,1,2,2-Tetrachloroethane	83	17.586	17.586	0.000	94	172925	2.00	1.93	
83 1,2,3-Trichloropropane	110	17.757	17.757	0.000	91	46676	2.00	2.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.850	17.850	0.000	98	299453	2.00	2.33	
85 N-Propylbenzene	120	18.388	18.388	0.000	97	74188	2.00	2.09	
86 2-Chlorotoluene	126	18.444	18.444	0.000	98	90463	2.00	2.20	
87 4-Ethyltoluene	105	18.537	18.537	0.000	98	335420	2.00	2.36	
88 1,3,5-Trimethylbenzene	120	18.610	18.610	0.000	89	132396	2.00	2.04	
89 Alpha Methyl Styrene	118	18.842	18.842	0.000	84	108944	2.00	1.65	
90 n-Decane	57	18.879	18.879	0.000	86	199693	2.00	2.29	
91 tert-Butylbenzene	119	19.039	19.039	0.000	86	345394	2.00	2.52	
92 1,2,4-Trimethylbenzene	105	19.049	19.049	0.000	96	363123	2.00	2.46	
93 sec-Butylbenzene	105	19.308	19.308	0.000	97	455017	2.00	2.47	
94 1,3-Dichlorobenzene	146	19.333	19.333	0.000	98	266473	2.00	2.45	
95 Benzyl chloride	91	19.406	19.406	0.000	96	275422	2.00	2.57	
96 1,4-Dichlorobenzene	146	19.416	19.416	0.000	93	256912	2.00	2.49	
97 4-Isopropyltoluene	119	19.468	19.468	0.000	94	418516	2.00	2.39	
98 1,2,3-Trimethylbenzene	105	19.525	19.525	0.000	99	356294	2.00	2.37	
99 Butylcyclohexane	83	19.571	19.571	0.000	88	271493	2.00	2.60	
101 2,3-Dihydroindene	117	19.778	19.778	0.000	90	333862	2.00	2.65	
100 1,2-Dichlorobenzene	146	19.783	19.783	0.000	96	285780	2.00	2.57	
103 n-Butylbenzene	91	19.902	19.902	0.000	94	508525	2.00	2.76	
102 Indene	116	19.907	19.907	0.000	86	272464	2.00	2.29	
104 Undecane	57	20.191	20.191	0.000	85	252548	2.00	2.32	
105 1,2-Dibromo-3-Chloropropane	157	20.388	20.388	0.000	91	149726	2.00	2.43	
106 1,2,4,5-Tetramethylbenzene	119	20.672	20.672	0.000	95	384831	2.00	2.34	
107 Dodecane	57	21.297	21.297	0.000	83	243989	2.00	2.09	
108 1,2,4-Trichlorobenzene	180	21.540	21.540	0.000	93	235193	2.00	2.70	
109 Naphthalene	128	21.669	21.669	0.000	98	360906	2.00	2.35	
110 Hexachlorobutadiene	225	21.830	21.830	0.000	91	345005	2.00	2.62	
111 1,2,3-Trichlorobenzene	180	21.892	21.892	0.000	93	193738	2.00	2.14	
112 2-Methylnaphthalene	142	22.429	22.429	0.000	97	134798	2.00	1.78	
113 1-Methylnaphthalene	142	22.548	22.548	0.000	94	219282	2.00	2.45	
A 115 C8 Range	1	14.914	(14.863-14.956)		0	700778	2.00	2.82	
S 116 Xylenes, Total	100				0		6.00	6.69	
S 117 1,2-Dichloroethene, Total	1				0		4.00	3.59	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

40CV101P_00141

Amount Added: 100.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 14-Jun-2021 14:17:44

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HCCVF13.D

Injection Date: 13-Jun-2021 07:49:30

Instrument ID: MH

Operator ID: HMT

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 500.000 mL

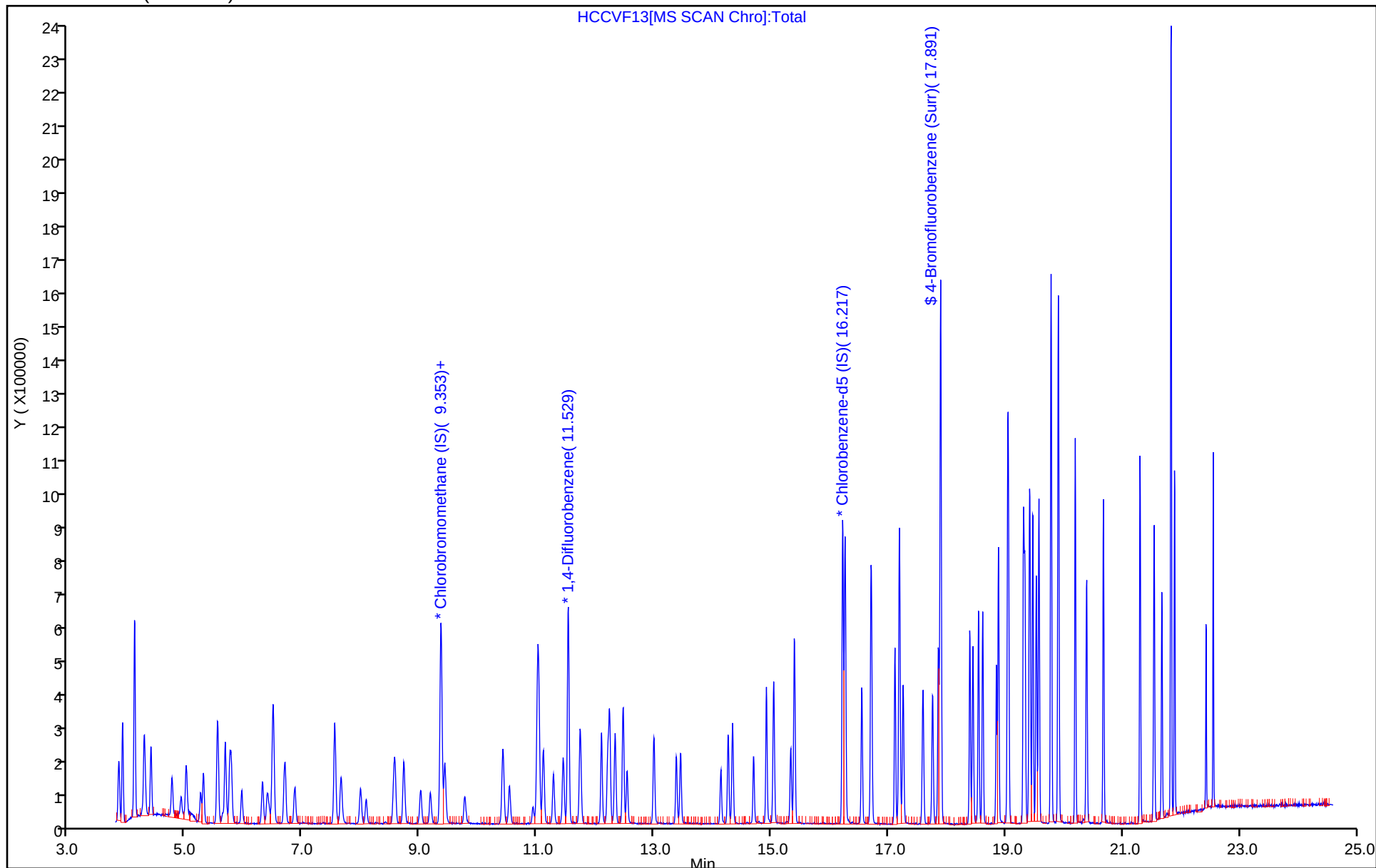
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: ICV 140-50646/17 Calibration Date: 06/10/2021 01:28
 Instrument ID: MS Calib Start Date: 06/09/2021 14:14
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 06/09/2021 23:44
 Lab File ID: SF09ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	2.707	2.725		1.61	1.60	0.7	35.0
Propene	Ave	1.152	1.121		1.56	1.60	-2.7	35.0
Dichlorodifluoromethane	Ave	3.798	3.942		1.66	1.60	3.8	35.0
Chloromethane	Ave	0.5627	0.5692		1.62	1.60	1.1	35.0
1,2-Dichlorotetrafluoroethane	Ave	3.530	3.456		1.57	1.60	-2.1	35.0
Acetaldehyde	Ave	0.7903	0.6162		6.24	8.00	-22.0	35.0
Vinyl chloride	Ave	1.793	1.885		1.68	1.60	5.1	35.0
Butane	Ave	2.051	2.367		1.85	1.60	15.4	35.0
1,3-Butadiene	Ave	1.253	1.395		1.78	1.60	11.3	35.0
Bromomethane	Ave	1.500	1.581		1.69	1.60	5.4	35.0
Chloroethane	Ave	0.6048	0.6662		1.76	1.60	10.1	35.0
Ethanol	Ave	0.4300	0.3668		6.82	8.00	-14.7	35.0
Vinyl bromide	Ave	1.524	1.706		1.79	1.60	11.9	35.0
2-Methylbutane	Ave	1.682	1.633		1.55	1.60	-2.9	35.0
Trichlorofluoromethane	Ave	3.766	3.804		1.62	1.60	1.0	35.0
Acrolein	Ave	0.5384	0.5671		1.69	1.60	5.3	35.0
Acetonitrile	Ave	0.6033	0.5819		1.54	1.60	-3.5	35.0
Acetone	Lin		0.9229			1.60	-14.4	35.0
Isopropyl alcohol	Ave	1.897	2.219		1.87	1.60	16.9	35.0
Pentane	Ave	0.1570	0.1571		1.60	1.60	0.1	35.0
Ethyl ether	Ave	1.284	1.357		1.69	1.60	5.7	35.0
1,1-Dichloroethene	Ave	1.372	1.371		1.60	1.60	-0.0	35.0
t-Butyl alcohol	Ave	2.571	2.583		1.61	1.60	0.5	35.0
Acrylonitrile	Ave	1.213	1.231		1.62	1.60	1.5	35.0
1,1,2-Trichlorotrifluoroethane	Ave	3.210	3.273		1.63	1.60	2.0	35.0
Methylene Chloride	Ave	1.359	1.305		1.54	1.60	-3.9	35.0
3-Chloropropene	Ave	1.017	1.152		1.81	1.60	13.3	35.0
Carbon disulfide	Ave	4.179	4.101		1.57	1.60	-1.9	35.0
trans-1,2-Dichloroethene	Ave	1.351	1.367		1.62	1.60	1.1	35.0
2-Methylpentane	Ave	3.221	3.004		1.49	1.60	-6.7	35.0
Methyl tert-butyl ether	Ave	3.378	3.554		1.68	1.60	5.2	35.0
1,1-Dichloroethane	Ave	2.948	2.942		1.60	1.60	-0.2	35.0
Vinyl acetate	Ave	3.084	3.353		1.74	1.60	8.7	35.0
2-Butanone	Ave	0.6868	0.6309		1.47	1.60	-8.2	35.0
Hexane	Ave	1.179	1.200		1.63	1.60	1.8	35.0
Isopropyl ether	Ave	4.807	5.095		1.70	1.60	6.0	35.0
cis-1,2-Dichloroethene	Ave	1.419	1.463		1.65	1.60	3.1	35.0
Ethyl acetate	Ave	3.185	3.083		1.55	1.60	-3.2	35.0
Chloroform	Ave	3.102	3.103		1.60	1.60	0.0	35.0
Tert-butyl ethyl ether	Ave	4.604	4.543		1.58	1.60	-1.3	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: ICV 140-50646/17 Calibration Date: 06/10/2021 01:28
 Instrument ID: MS Calib Start Date: 06/09/2021 14:14
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 06/09/2021 23:44
 Lab File ID: SF09ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	1.509	1.572		1.67	1.60	4.2	35.0
1,1,1-Trichloroethane	Ave	2.826	2.854		1.62	1.60	1.0	35.0
1,2-Dichloroethane	Ave	0.3990	0.3980		1.60	1.60	-0.2	35.0
1-Butanol	Ave	0.0866	0.0812		1.50	1.60	-6.3	35.0
Benzene	Ave	0.9106	0.9084		1.60	1.60	-0.2	35.0
Cyclohexane	Ave	0.1262	0.1340		1.70	1.60	6.1	35.0
Carbon tetrachloride	Ave	0.5751	0.6159		1.71	1.60	7.1	35.0
2,3-Dimethylpentane	Ave	0.1710	0.1743		1.63	1.60	2.0	35.0
Thiophene	Ave	0.4997	0.5014		1.61	1.60	0.3	35.0
2,2,4-Trimethylpentane	Ave	1.579	1.653		1.68	1.60	4.7	35.0
Heptane	Ave	0.2560	0.2753		1.72	1.60	7.5	35.0
1,2-Dichloropropane	Ave	0.4098	0.4111		1.60	1.60	0.3	35.0
Trichloroethene	Ave	0.4043	0.4068		1.61	1.60	0.6	35.0
Dibromomethane	Ave	0.3918	0.3858		1.58	1.60	-1.5	35.0
Bromodichloromethane	Ave	0.5969	0.6103		1.64	1.60	2.3	35.0
1,4-Dioxane	Ave	0.1247	0.1225		1.57	1.60	-1.8	35.0
Methyl methacrylate	Ave	0.3460	0.3489		1.61	1.60	0.8	35.0
Methylcyclohexane	LinF		0.6359		1.86	1.60	16.2	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6635	0.6821		1.64	1.60	2.8	35.0
cis-1,3-Dichloropropene	Ave	0.4727	0.4931		1.67	1.60	4.3	35.0
trans-1,3-Dichloropropene	Ave	0.4589	0.4906		1.71	1.60	6.9	35.0
Toluene	Ave	1.232	1.256		1.63	1.60	1.9	35.0
1,1,2-Trichloroethane	Ave	0.4113	0.4041		1.57	1.60	-1.8	35.0
2-Hexanone	Ave	0.4084	0.4225		1.66	1.60	3.5	35.0
Octane	Ave	0.3039	0.3325		1.75	1.60	9.4	35.0
Dibromochloromethane	Ave	0.7414	0.7538		1.63	1.60	1.7	35.0
1,2-Dibromoethane	Ave	0.7027	0.6968		1.59	1.60	-0.8	35.0
Tetrachloroethene	Ave	0.4961	0.4889		1.58	1.60	-1.5	35.0
2,3-Dimethylheptane	Ave	1.166	1.124		1.54	1.60	-3.6	35.0
Chlorobenzene	Ave	1.054	1.055		1.60	1.60	0.0	35.0
Ethylbenzene	Ave	1.528	1.585		1.66	1.60	3.8	35.0
m-Xylene & p-Xylene	Ave	1.228	1.294		3.37	3.20	5.4	35.0
Nonane	Ave	0.8270	0.8966		1.73	1.60	8.4	35.0
Bromoform	Ave	0.7934	0.8373		1.69	1.60	5.5	35.0
Styrene	Ave	0.9091	0.9418		1.66	1.60	3.6	35.0
o-Xylene	Ave	1.257	1.294		1.65	1.60	3.0	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9793	0.9747		1.59	1.60	-0.5	35.0
1,2,3-Trichloropropane	Ave	0.2092	0.2202		1.68	1.60	5.2	35.0
Isopropylbenzene	Ave	1.741	1.860		1.71	1.60	6.8	35.0
Propylbenzene	Ave	0.4671	0.5024		1.72	1.60	7.5	35.0
2-Chlorotoluene	Ave	0.4639	0.4762		1.64	1.60	2.7	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: ICV 140-50646/17 Calibration Date: 06/10/2021 01:28
 Instrument ID: MS Calib Start Date: 06/09/2021 14:14
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 06/09/2021 23:44
 Lab File ID: SF09ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.793	1.794		1.60	1.60	0.0	35.0
1,3,5-Trimethylbenzene	Ave	0.7038	0.8387		1.91	1.60	19.2	35.0
Alpha Methyl Styrene	Ave	0.7222	0.7223		1.60	1.60	0.0	35.0
Decane	Ave	1.138	1.232		1.73	1.60	8.3	35.0
tert-Butylbenzene	Ave	1.608	1.660		1.65	1.60	3.2	35.0
1,2,4-Trimethylbenzene	Ave	1.597	1.647		1.65	1.60	3.2	35.0
sec-Butylbenzene	Ave	2.326	2.374		1.63	1.60	2.1	35.0
1,3-Dichlorobenzene	Ave	1.217	1.158		1.52	1.60	-4.9	35.0
Benzyl chloride	Ave	1.120	1.137		1.62	1.60	1.5	35.0
1,4-Dichlorobenzene	Ave	1.201	1.134		1.51	1.60	-5.5	35.0
4-Isopropyltoluene	Ave	1.846	1.859		1.61	1.60	0.7	35.0
1,2,3-Trimethylbenzene	Ave	1.598	1.227		1.23	1.60	-23.2	35.0
Butylcyclohexane	Ave	1.261	1.257		1.60	1.60	-0.3	35.0
Indane	Ave	1.540	1.567		1.63	1.60	1.8	35.0
1,2-Dichlorobenzene	Ave	1.222	1.163		1.52	1.60	-4.8	35.0
Butylbenzene	Ave	1.928	1.987		1.65	1.60	3.1	35.0
Indene	Ave	1.250	1.135		1.45	1.60	-9.2	35.0
Undecane	Ave	1.293	1.348		1.67	1.60	4.3	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.5167	0.4137		1.28	1.60	-19.9	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.815	1.682		1.48	1.60	-7.4	35.0
Dodecane	Ave	1.358	1.281		1.51	1.60	-5.7	35.0
1,2,4-Trichlorobenzene	Ave	0.9550	0.8185		1.37	1.60	-14.3	35.0
Naphthalene	Lin1F		1.740		1.23	1.60	-23.2	35.0
Hexachlorobutadiene	Ave	1.453	1.286		1.42	1.60	-11.5	35.0
1,2,3-Trichlorobenzene	Ave	1.015	0.9053		1.43	1.60	-10.8	35.0
2-Methylnaphthalene	Ave	0.5075	0.3571		1.13	1.60	-29.6	50.0
1-Methylnaphthalene	Ave	0.5642	0.4027		1.14	1.60	-28.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7409	0.7542		4.72	4.64	1.8	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09ICV.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 10-Jun-2021 01:28:30
 Purge Vol: 500.000 mL
 Sample Info: 140-0019525-017
 Misc. Info.: S147 80ML
 Operator ID: HMT
 Sublist:

ALS Bottle#: 18
 Dil. Factor: 1.0000
 Worklist Smp#: 17

Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 10-Jun-2021 10:20:12
 Integrator: RTE
 Quant Method: Internal Standard
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D

Calib Date: 09-Jun-2021 23:44:30
 ID Type: Deconvolution ID
 Quant By: Initial Calibration

Column 1 : RTX-5 (0.32 mm)
 Process Host: CTX1623
 Det: MS SCAN

First Level Reviewer: tajh

Date: 10-Jun-2021 07:17:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.228	9.228	0.000	98	223156	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.401	0.000	94	1116504	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	86	962998	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.712	17.712	0.000	97	702053	4.64	4.72	
6 Chlorodifluoromethane	51	3.816	3.811	0.005	96	202728	1.60	1.61	
7 Propene	41	3.827	3.822	0.005	99	83362	1.60	1.56	
8 Dichlorodifluoromethane	85	3.886	3.881	0.005	100	293248	1.60	1.66	
9 Chloromethane	52	4.080	4.074	0.006	99	42337	1.60	1.62	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.091	4.080	0.011	89	257093	1.60	1.57	
11 Acetaldehyde	44	4.247	4.241	0.006	87	229170	8.00	6.24	
12 Vinyl chloride	62	4.268	4.263	0.005	98	140199	1.60	1.68	
13 Butadiene	54	4.365	4.354	0.011	69	103732	1.60	1.78	
14 Butane	43	4.360	4.360	0.000	86	176051	1.60	1.85	
15 Bromomethane	94	4.715	4.704	0.011	99	117619	1.60	1.69	
16 Chloroethane	64	4.860	4.860	0.000	96	49553	1.60	1.76	
17 Ethanol	31	4.946	4.941	0.005	88	136433	8.00	6.82	
18 Vinyl bromide	106	5.188	5.183	0.005	99	126923	1.60	1.79	
19 2-Methylbutane	43	5.242	5.236	0.006	90	121454	1.60	1.55	
20 Trichlorofluoromethane	101	5.473	5.468	0.005	99	282934	1.60	1.62	
21 Acrolein	56	5.479	5.479	0.000	34	42181	1.60	1.69	
22 Acetonitrile	40	5.548	5.543	0.005	100	43288	1.60	1.54	
23 Acetone	58	5.602	5.591	0.011	96	68649	1.60	1.37	
24 Isopropyl alcohol	45	5.678	5.672	0.006	94	165026	1.60	1.87	
25 Pentane	72	5.715	5.704	0.011	95	11688	1.60	1.60	
26 Ethyl ether	31	5.877	5.871	0.006	95	100968	1.60	1.69	
27 1,1-Dichloroethene	96	6.221	6.221	0.000	94	101985	1.60	1.60	
29 2-Methyl-2-propanol	59	6.312	6.307	0.005	93	192166	1.60	1.61	
28 Acrylonitrile	53	6.329	6.328	0.000	96	91605	1.60	1.62	
30 112TCTFE	101	6.404	6.404	0.000	98	243437	1.60	1.63	
31 Methylene Chloride	84	6.592	6.592	0.000	98	97106	1.60	1.54	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.608	6.603	0.005	95	85685	1.60	1.81	
33 Carbon disulfide	76	6.770	6.764	0.006	98	305057	1.60	1.57	
34 trans-1,2-Dichloroethene	96	7.442	7.431	0.011	95	101656	1.60	1.62	
35 2-Methylpentane	43	7.447	7.447	0.000	96	223450	1.60	1.49	
36 Methyl tert-butyl ether	73	7.555	7.544	0.011	97	264337	1.60	1.68	
37 1,1-Dichloroethane	63	7.878	7.872	0.006	99	218842	1.60	1.60	
38 Vinyl acetate	43	7.969	7.964	0.005	100	249384	1.60	1.74	
39 2-Butanone (MEK)	72	8.427	8.427	0.000	97	46926	1.60	1.47	
40 Hexane	56	8.464	8.464	0.000	89	89233	1.60	1.63	
41 Isopropyl ether	45	8.615	8.609	0.006	98	378989	1.60	1.70	
42 cis-1,2-Dichloroethene	96	8.889	8.884	0.005	98	108862	1.60	1.65	
43 Ethyl acetate	43	9.056	9.051	0.005	99	229353	1.60	1.55	
44 Chloroform	83	9.233	9.233	0.000	95	230793	1.60	1.60	
45 Tert-butyl ethyl ether	59	9.309	9.303	0.006	94	337922	1.60	1.58	
46 Tetrahydrofuran	42	9.632	9.626	0.006	94	116942	1.60	1.67	
47 1,1,1-Trichloroethane	97	10.288	10.282	0.006	97	212271	1.60	1.62	
48 1,2-Dichloroethane	62	10.395	10.395	0.000	96	148118	1.60	1.60	
49 n-Butanol	31	10.815	10.804	0.011	86	30212	1.60	1.50	
51 Benzene	78	10.874	10.874	0.000	97	338070	1.60	1.60	
50 Cyclohexane	69	10.874	10.874	0.000	67	49852	1.60	1.70	
52 Carbon tetrachloride	117	10.896	10.896	0.000	97	229218	1.60	1.71	
53 2,3-Dimethylpentane	71	10.993	10.982	0.011	92	64887	1.60	1.63	
54 Thiophene	84	11.149	11.149	0.000	97	186603	1.60	1.61	
55 Isooctane	57	11.617	11.611	0.006	98	615111	1.60	1.68	
56 n-Heptane	71	11.977	11.977	0.000	91	102454	1.60	1.72	
57 1,2-Dichloropropane	63	12.074	12.074	0.000	97	152998	1.60	1.60	
58 Trichloroethene	130	12.106	12.106	0.000	95	151400	1.60	1.61	
59 Dibromomethane	93	12.192	12.198	-0.006	95	143594	1.60	1.58	
61 1,4-Dioxane	88	12.343	12.332	0.011	39	45592	1.60	1.57	
60 Dichlorobromomethane	83	12.337	12.337	0.000	99	227135	1.60	1.64	
62 Methyl methacrylate	41	12.407	12.413	-0.006	95	129851	1.60	1.61	
63 Methylcyclohexane	83	12.865	12.865	0.000	94	236667	1.60	1.86	
64 4-Methyl-2-pentanone (MIBK)	43	13.247	13.247	0.000	96	253850	1.60	1.64	
65 cis-1,3-Dichloropropene	75	13.317	13.317	0.000	93	183508	1.60	1.67	
66 trans-1,3-Dichloropropene	75	14.000	14.000	0.000	97	157491	1.60	1.71	
67 Toluene	91	14.124	14.123	0.001	92	403127	1.60	1.63	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	95	129719	1.60	1.57	
69 2-Hexanone	58	14.565	14.559	0.006	94	135631	1.60	1.66	
70 n-Octane	85	14.785	14.785	0.000	93	106726	1.60	1.75	
71 Chlorodibromomethane	129	14.898	14.898	0.000	98	241970	1.60	1.63	
72 Ethylene Dibromide	107	15.183	15.189	-0.006	99	223681	1.60	1.59	
73 Tetrachloroethene	129	15.253	15.253	0.000	98	156933	1.60	1.58	
75 Chlorobenzene	112	16.119	16.119	0.000	91	338537	1.60	1.60	
74 2,3-Dimethylheptane	43	16.119	16.119	0.000	94	360670	1.60	1.54	
76 Ethylbenzene	91	16.399	16.399	0.000	98	508875	1.60	1.66	
77 m-Xylene & p-Xylene	91	16.560	16.555	0.005	97	830718	3.20	3.37	
78 n-Nonane	57	16.959	16.964	-0.005	92	287795	1.60	1.73	
79 Bromoform	173	17.023	17.023	0.000	98	268785	1.60	1.69	
80 Styrene	104	17.028	17.028	0.000	98	302315	1.60	1.66	
81 o-Xylene	91	17.088	17.088	0.000	100	415409	1.60	1.65	
82 1,1,2,2-Tetrachloroethane	83	17.416	17.416	0.000	98	312891	1.60	1.59	
83 1,2,3-Trichloropropane	110	17.583	17.577	0.006	98	70670	1.60	1.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.679	17.679	0.000	94	596980	1.60	1.71	
85 N-Propylbenzene	120	18.212	18.212	0.000	99	161255	1.60	1.72	
86 2-Chlorotoluene	126	18.260	18.260	0.000	97	152870	1.60	1.64	
87 4-Ethyltoluene	105	18.357	18.357	0.000	99	575847	1.60	1.60	
88 1,3,5-Trimethylbenzene	120	18.433	18.427	0.006	92	269214	1.60	1.91	
89 Alpha Methyl Styrene	118	18.659	18.658	0.000	89	231843	1.60	1.60	
90 n-Decane	57	18.702	18.702	0.000	87	395552	1.60	1.73	
91 tert-Butylbenzene	119	18.852	18.852	0.000	93	532853	1.60	1.65	
92 1,2,4-Trimethylbenzene	105	18.863	18.863	0.000	96	528816	1.60	1.65	
93 sec-Butylbenzene	105	19.116	19.116	0.000	99	762086	1.60	1.63	
94 1,3-Dichlorobenzene	146	19.137	19.137	0.000	97	371641	1.60	1.52	
95 Benzyl chloride	91	19.213	19.213	0.000	98	365008	1.60	1.62	
96 1,4-Dichlorobenzene	146	19.223	19.223	0.000	96	364117	1.60	1.51	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	97	596588	1.60	1.61	
98 1,2,3-Trimethylbenzene	105	19.331	19.331	0.000	98	394014	1.60	1.23	
99 Butylcyclohexane	83	19.379	19.379	0.000	94	403645	1.60	1.60	
100 2,3-Dihydroindene	117	19.578	19.578	0.000	93	503140	1.60	1.63	
101 1,2-Dichlorobenzene	146	19.584	19.584	0.000	86	373291	1.60	1.52	
102 n-Butylbenzene	91	19.702	19.702	0.000	97	637832	1.60	1.65	
103 Indene	116	19.708	19.708	0.000	89	364390	1.60	1.45	
104 Undecane	57	19.998	19.998	0.000	93	432827	1.60	1.67	
105 1,2-Dibromo-3-Chloropropane	157	20.176	20.176	0.000	96	132786	1.60	1.28	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.455	0.000	97	539782	1.60	1.48	
107 Dodecane	57	21.074	21.074	0.000	95	411140	1.60	1.51	
108 1,2,4-Trichlorobenzene	180	21.305	21.305	0.000	93	262745	1.60	1.37	
109 Naphthalene	128	21.456	21.456	0.000	99	558530	1.60	1.23	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	92	412810	1.60	1.42	
111 1,2,3-Trichlorobenzene	180	21.709	21.709	0.000	93	290592	1.60	1.43	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	100	114635	1.60	1.13	
113 1-Methylnaphthalene	142	22.387	22.387	0.000	99	129284	1.60	1.14	
A 115 C8 Range	1	14.790	(14.737-14.834)		0	1107867	1.60	1.66	
S 116 Xylenes, Total	100				0		4.80	5.02	
S 117 1,2-Dichloroethene, Total	1				0		3.20	3.27	
T 141 2-Methylthiophene TIC	97	14.280	14.285	-0.005	97	321435	1.60	1.60	
T 142 3-Methylthiophene TIC	97	14.479	14.479	0.001	98	316519	1.60	1.58	
T 144 2-Ethylthiophene TIC	97	16.501	16.501	0.000	61	378548	1.60	1.89	
T 149 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.068	20.073	-0.005	98	448906	1.60	2.24	
T 150 1,2,3,5-Tetramethylbenzene TIC	119	20.514	20.514	0.000	95	326056	1.60	1.63	
T 151 1,2,3,4-Tetramethylbenzene TIC	119	20.929	20.923	0.006	97	432592	1.60	2.16	
T 152 Benzo(b)thiophene TIC	134	21.558	21.558	0.000	99	304836	1.60	1.52	

QC Flag Legend

Processing Flags

Reagents:

40CV101S_00147

Amount Added: 80.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 10-Jun-2021 10:20:14

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09ICV.D

Injection Date: 10-Jun-2021 01:28:30

Instrument ID: MS

Operator ID: HMT

Lims ID: ICV

Worklist Smp#: 17

Client ID:

Purge Vol: 500.000 mL

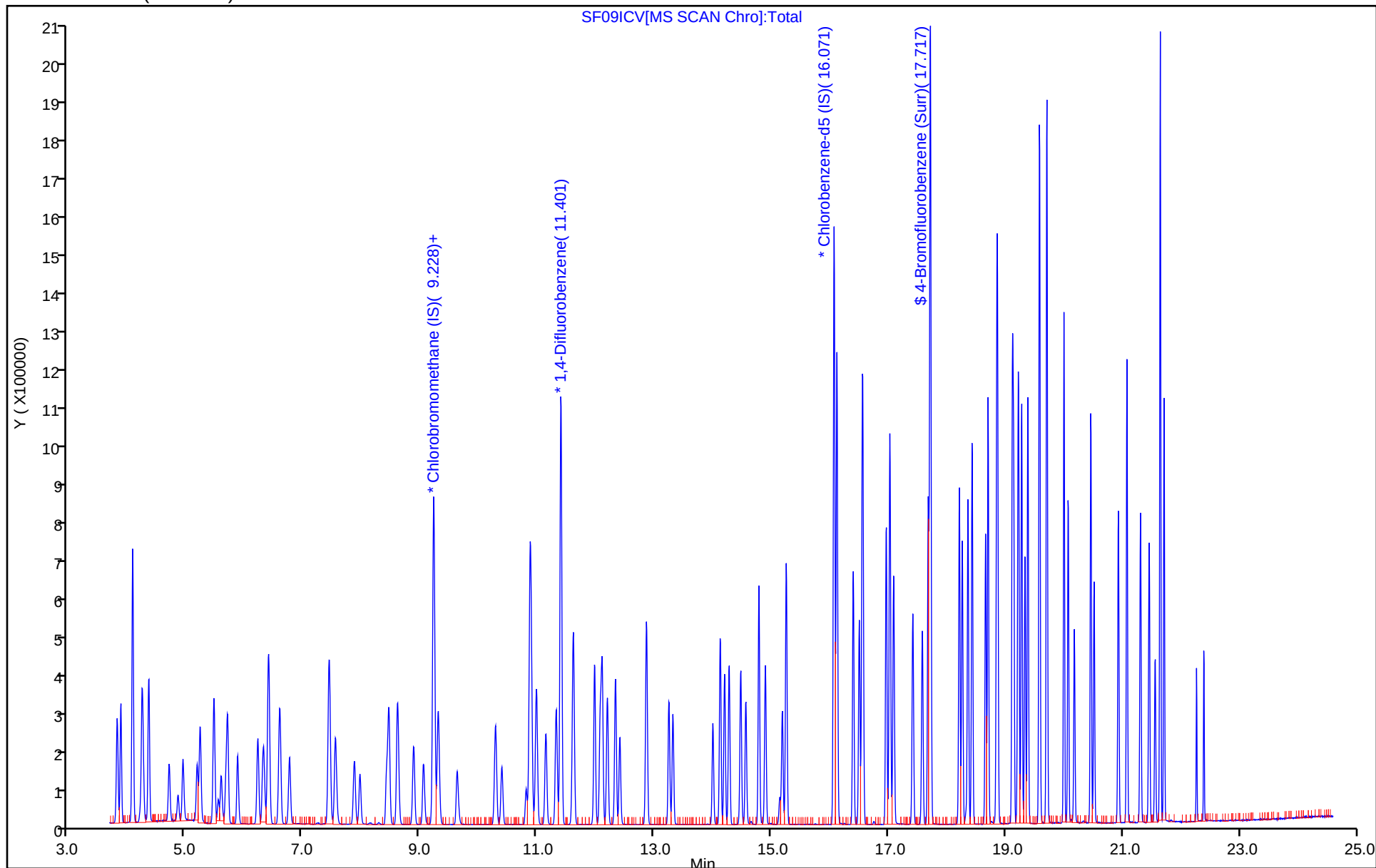
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-50650/2 Calibration Date: 06/10/2021 05:10
 Instrument ID: MS Calib Start Date: 06/09/2021 14:14
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 06/09/2021 23:44
 Lab File ID: SF10CCV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	2.707	2.882		2.13	2.00	6.5	30.0
Propene	Ave	1.152	1.203		2.09	2.00	4.4	30.0
Dichlorodifluoromethane	Ave	3.798	4.125		2.17	2.00	8.6	30.0
Chloromethane	Ave	0.5627	0.5982		2.13	2.00	6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.530	3.693		2.09	2.00	4.6	30.0
Acetaldehyde	Ave	0.7903	0.6193		7.84	10.0	-21.6	30.0
Vinyl chloride	Ave	1.793	1.990		2.22	2.00	11.0	30.0
1,3-Butadiene	Ave	1.253	1.473		2.35	2.00	17.6	30.0
Butane	Ave	2.051	2.445		2.38	2.00	19.2	30.0
Bromomethane	Ave	1.500	1.594		2.13	2.00	6.3	30.0
Chloroethane	Ave	0.6048	0.6594		2.18	2.00	9.0	30.0
Ethanol	Ave	0.4300	0.3360		7.81	10.0	-21.9	30.0
Vinyl bromide	Ave	1.524	1.679		2.20	2.00	10.1	30.0
2-Methylbutane	Ave	1.682	1.885		2.24	2.00	12.1	30.0
Trichlorofluoromethane	Ave	3.766	4.001		2.13	2.00	6.3	30.0
Acrolein	Ave	0.5384	0.6243		2.32	2.00	15.9	30.0
Acetonitrile	Ave	0.6033	0.5925		1.96	2.00	-1.8	30.0
Acetone	Lin		0.8354			2.00	-17.1	30.0
Isopropyl alcohol	Ave	1.897	2.281		2.40	2.00	20.2	30.0
Pentane	Ave	0.1570	0.1750		2.23	2.00	11.5	30.0
Ethyl ether	Ave	1.284	1.451		2.26	2.00	13.0	30.0
1,1-Dichloroethene	Ave	1.372	1.450		2.11	2.00	5.7	30.0
t-Butyl alcohol	Ave	2.571	2.648		2.06	2.00	3.0	30.0
Acrylonitrile	Ave	1.213	1.291		2.13	2.00	6.4	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.210	3.494		2.18	2.00	8.9	30.0
Methylene Chloride	Ave	1.359	1.390		2.05	2.00	2.3	30.0
3-Chloropropene	Ave	1.017	1.196		2.35	2.00	17.6	30.0
Carbon disulfide	Ave	4.179	4.329		2.07	2.00	3.6	30.0
trans-1,2-Dichloroethene	Ave	1.351	1.447		2.14	2.00	7.1	30.0
2-Methylpentane	Ave	3.221	3.206		1.99	2.00	-0.4	30.0
Methyl tert-butyl ether	Ave	3.378	3.774		2.23	2.00	11.7	30.0
1,1-Dichloroethane	Ave	2.948	3.102		2.10	2.00	5.2	30.0
Vinyl acetate	Ave	3.084	3.588		2.33	2.00	16.3	30.0
2-Butanone	Ave	0.6868	0.6701		1.95	2.00	-2.4	30.0
Hexane	Ave	1.179	1.256		2.13	2.00	6.6	30.0
Isopropyl ether	Ave	4.807	5.474		2.28	2.00	13.9	30.0
cis-1,2-Dichloroethene	Ave	1.419	1.568		2.21	2.00	10.5	30.0
Ethyl acetate	Ave	3.185	3.285		2.06	2.00	3.1	30.0
Chloroform	Ave	3.102	3.276		2.11	2.00	5.6	30.0
Tert-butyl ethyl ether	Ave	4.604	4.836		2.10	2.00	5.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-50650/2 Calibration Date: 06/10/2021 05:10
 Instrument ID: MS Calib Start Date: 06/09/2021 14:14
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 06/09/2021 23:44
 Lab File ID: SF10CCV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	1.509	1.684		2.23	2.00	11.6	30.0
1,1,1-Trichloroethane	Ave	2.826	3.030		2.14	2.00	7.2	30.0
1,2-Dichloroethane	Ave	0.3990	0.4346		2.18	2.00	8.9	30.0
1-Butanol	Ave	0.0866	0.0859		1.98	2.00	-0.8	30.0
Benzene	Ave	0.9106	0.9721		2.13	2.00	6.7	30.0
Cyclohexane	Ave	0.1262	0.1427		2.26	2.00	13.1	30.0
Carbon tetrachloride	Ave	0.5751	0.6816		2.37	2.00	18.5	30.0
2,3-Dimethylpentane	Ave	0.1710	0.1889		2.21	2.00	10.5	30.0
Thiophene	Ave	0.4997	0.5331		2.13	2.00	6.7	30.0
2,2,4-Trimethylpentane	Ave	1.579	1.777		2.25	2.00	12.5	30.0
Heptane	Ave	0.2560	0.2924		2.28	2.00	14.2	30.0
1,2-Dichloropropane	Ave	0.4098	0.4471		2.18	2.00	9.1	30.0
Trichloroethene	Ave	0.4043	0.4207		2.08	2.00	4.1	30.0
Dibromomethane	Ave	0.3918	0.4136		2.11	2.00	5.6	30.0
1,4-Dioxane	Ave	0.1247	0.1230		1.97	2.00	-1.4	30.0
Bromodichloromethane	Ave	0.5969	0.6601		2.21	2.00	10.6	30.0
Methyl methacrylate	Ave	0.3460	0.3874		2.24	2.00	11.9	30.0
Methylcyclohexane	LinF		0.6822		2.49	2.00	24.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6635	0.7316		2.21	2.00	10.3	30.0
cis-1,3-Dichloropropene	Ave	0.4727	0.5316		2.25	2.00	12.5	30.0
trans-1,3-Dichloropropene	Ave	0.4589	0.5143		2.24	2.00	12.1	30.0
Toluene	Ave	1.232	1.330		2.16	2.00	8.0	30.0
1,1,2-Trichloroethane	Ave	0.4113	0.4273		2.08	2.00	3.9	30.0
2-Hexanone	Ave	0.4084	0.4467		2.19	2.00	9.4	30.0
Octane	Ave	0.3039	0.3500		2.30	2.00	15.2	30.0
Dibromochloromethane	Ave	0.7414	0.8230		2.22	2.00	11.0	30.0
1,2-Dibromoethane	Ave	0.7027	0.7515		2.14	2.00	6.9	30.0
Tetrachloroethene	Ave	0.4961	0.5095		2.05	2.00	2.7	30.0
2,3-Dimethylheptane	Ave	1.166	1.182		2.03	2.00	1.3	30.0
Chlorobenzene	Ave	1.054	1.110		2.11	2.00	5.3	30.0
Ethylbenzene	Ave	1.528	1.674		2.19	2.00	9.6	30.0
m-Xylene & p-Xylene	Ave	1.228	1.374		4.47	4.00	11.8	30.0
Nonane	Ave	0.8270	0.9609		2.32	2.00	16.2	30.0
Bromoform	Ave	0.7934	0.9725		2.45	2.00	22.6	30.0
Styrene	Ave	0.9091	1.025		2.25	2.00	12.7	30.0
o-Xylene	Ave	1.257	1.374		2.19	2.00	9.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9793	1.063		2.17	2.00	8.5	30.0
1,2,3-Trichloropropane	Ave	0.2092	0.2282		2.18	2.00	9.1	30.0
Isopropylbenzene	Ave	1.741	1.961		2.25	2.00	12.6	30.0
Propylbenzene	Ave	0.4671	0.5352		2.29	2.00	14.6	30.0
2-Chlorotoluene	Ave	0.4639	0.5146		2.22	2.00	10.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-50650/2 Calibration Date: 06/10/2021 05:10
 Instrument ID: MS Calib Start Date: 06/09/2021 14:14
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 06/09/2021 23:44
 Lab File ID: SF10CCV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.793	1.892		2.11	2.00	5.5	30.0
1,3,5-Trimethylbenzene	Ave	0.7038	0.8851		2.52	2.00	25.8	30.0
Alpha Methyl Styrene	Ave	0.7222	0.7764		2.15	2.00	7.5	30.0
Decane	Ave	1.138	1.308		2.30	2.00	15.0	30.0
tert-Butylbenzene	Ave	1.608	1.768		2.20	2.00	9.9	30.0
1,2,4-Trimethylbenzene	Ave	1.597	1.733		2.17	2.00	8.5	30.0
sec-Butylbenzene	Ave	2.326	2.532		2.18	2.00	8.9	30.0
1,3-Dichlorobenzene	Ave	1.217	1.243		2.04	2.00	2.1	30.0
Benzyl chloride	Ave	1.120	1.231		2.20	2.00	9.9	30.0
1,4-Dichlorobenzene	Ave	1.201	1.220		2.03	2.00	1.6	30.0
4-Isopropyltoluene	Ave	1.846	1.988		2.15	2.00	7.7	30.0
1,2,3-Trimethylbenzene	Ave	1.598	1.296		1.62	2.00	-18.9	30.0
Butylcyclohexane	Ave	1.261	1.329		2.11	2.00	5.3	30.0
Indane	Ave	1.540	1.682		2.19	2.00	9.3	30.0
1,2-Dichlorobenzene	Ave	1.222	1.263		2.07	2.00	3.4	30.0
Butylbenzene	Ave	1.928	2.140		2.22	2.00	11.0	30.0
Indene	Ave	1.250	1.229		1.97	2.00	-1.7	30.0
Undecane	Ave	1.293	1.490		2.30	2.00	15.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.5167	0.4820		1.87	2.00	-6.7	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.815	1.824		2.01	2.00	0.5	30.0
Dodecane	Ave	1.358	1.444		2.13	2.00	6.3	30.0
1,2,4-Trichlorobenzene	Ave	0.9550	0.9170		1.92	2.00	-4.0	30.0
Naphthalene	Lin1F		1.916		1.69	2.00	-15.5	30.0
Hexachlorobutadiene	Ave	1.453	1.433		1.97	2.00	-1.3	30.0
1,2,3-Trichlorobenzene	Ave	1.015	1.009		1.99	2.00	-0.6	30.0
2-Methylnaphthalene	Ave	0.5075	0.4166		1.64	2.00	-17.9	50.0
1-Methylnaphthalene	Ave	0.5642	0.4754		1.69	2.00	-15.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7409	0.7575		4.74	4.64	2.2	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10CCV.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 10-Jun-2021 05:10:30 ALS Bottle#: 7 Worklist Smp#: 2
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019526-002
 Misc. Info.: S145 100ML
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub2
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 11-Jun-2021 12:37:30 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 12:37:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.228	9.228	0.000	98	211142	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.401	0.000	94	1057832	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	86	931560	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.717	17.717	0.000	97	682141	4.64	4.74	
6 Chlorodifluoromethane	51	3.816	3.816	0.000	96	253514	2.00	2.13	
7 Propene	41	3.827	3.827	0.000	99	105835	2.00	2.09	
8 Dichlorodifluoromethane	85	3.881	3.881	0.000	100	362892	2.00	2.17	
9 Chloromethane	52	4.080	4.080	0.000	98	52623	2.00	2.13	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.085	4.085	0.000	88	324900	2.00	2.09	
11 Acetaldehyde	44	4.241	4.241	0.000	88	272397	10.0	7.84	
12 Vinyl chloride	62	4.262	4.262	0.000	98	175103	2.00	2.22	
14 Butane	43	4.359	4.359	0.000	85	215143	2.00	2.38	
13 Butadiene	54	4.359	4.359	0.000	68	129588	2.00	2.35	
15 Bromomethane	94	4.709	4.709	0.000	98	140272	2.00	2.13	
16 Chloroethane	64	4.860	4.860	0.000	96	58012	2.00	2.18	
17 Ethanol	31	4.940	4.940	0.000	88	147804	10.0	7.81	
18 Vinyl bromide	106	5.182	5.182	0.000	99	147685	2.00	2.20	
19 2-Methylbutane	43	5.236	5.236	0.000	92	165865	2.00	2.24	
20 Trichlorofluoromethane	101	5.473	5.473	0.000	99	352025	2.00	2.13	
21 Acrolein	56	5.478	5.478	0.000	35	54920	2.00	2.32	
22 Acetonitrile	40	5.543	5.543	0.000	100	52125	2.00	1.96	
23 Acetone	58	5.591	5.591	0.000	96	73491	2.00	1.66	
24 Isopropyl alcohol	45	5.677	5.677	0.000	95	200675	2.00	2.40	
25 Pentane	72	5.704	5.704	0.000	96	15400	2.00	2.23	
26 Ethyl ether	31	5.876	5.876	0.000	94	127615	2.00	2.26	
27 1,1-Dichloroethene	96	6.221	6.221	0.000	95	127608	2.00	2.11	
29 2-Methyl-2-propanol	59	6.301	6.301	0.000	93	232985	2.00	2.06	
28 Acrylonitrile	53	6.323	6.323	0.000	94	113560	2.00	2.13	
30 112TCTFE	101	6.404	6.404	0.000	98	307392	2.00	2.18	
31 Methylene Chloride	84	6.586	6.586	0.000	98	122327	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.608	6.608	0.000	94	105207	2.00	2.35	
33 Carbon disulfide	76	6.764	6.764	0.000	98	380872	2.00	2.07	
34 trans-1,2-Dichloroethene	96	7.436	7.436	0.000	94	127312	2.00	2.14	
35 2-Methylpentane	43	7.447	7.447	0.000	96	282083	2.00	1.99	
36 Methyl tert-butyl ether	73	7.544	7.544	0.000	97	332019	2.00	2.23	
37 1,1-Dichloroethane	63	7.872	7.872	0.000	99	272940	2.00	2.10	
38 Vinyl acetate	43	7.964	7.964	0.000	100	315695	2.00	2.33	
39 2-Butanone (MEK)	72	8.421	8.421	0.000	98	58956	2.00	1.95	
40 Hexane	56	8.464	8.464	0.000	88	110513	2.00	2.13	
41 Isopropyl ether	45	8.609	8.609	0.000	98	481599	2.00	2.28	
42 cis-1,2-Dichloroethene	96	8.884	8.884	0.000	98	137972	2.00	2.21	
43 Ethyl acetate	43	9.056	9.056	0.000	99	288965	2.00	2.06	
44 Chloroform	83	9.239	9.239	0.000	96	288252	2.00	2.11	
45 Tert-butyl ethyl ether	59	9.303	9.303	0.000	94	425462	2.00	2.10	
46 Tetrahydrofuran	42	9.626	9.626	0.000	95	148122	2.00	2.23	
47 1,1,1-Trichloroethane	97	10.282	10.282	0.000	97	266539	2.00	2.14	
48 1,2-Dichloroethane	62	10.390	10.390	0.000	96	191551	2.00	2.18	
49 n-Butanol	31	10.799	10.799	0.000	86	37850	2.00	1.98	
50 Cyclohexane	69	10.874	10.874	0.000	88	62904	2.00	2.26	
51 Benzene	78	10.874	10.874	0.000	97	428452	2.00	2.13	
52 Carbon tetrachloride	117	10.895	10.895	0.000	98	300416	2.00	2.37	
53 2,3-Dimethylpentane	71	10.982	10.982	0.000	93	83269	2.00	2.21	
54 Thiophene	84	11.148	11.148	0.000	97	234960	2.00	2.13	
55 Isooctane	57	11.616	11.616	0.000	98	783072	2.00	2.25	
56 n-Heptane	71	11.977	11.977	0.000	90	128879	2.00	2.28	
57 1,2-Dichloropropane	63	12.074	12.074	0.000	97	197064	2.00	2.18	
58 Trichloroethene	130	12.106	12.106	0.000	96	185428	2.00	2.08	
59 Dibromomethane	93	12.197	12.197	0.000	95	182286	2.00	2.11	
60 Dichlorobromomethane	83	12.332	12.332	0.000	99	290956	2.00	2.21	
61 1,4-Dioxane	88	12.332	12.332	0.000	38	54212	2.00	1.97	
62 Methyl methacrylate	41	12.407	12.407	0.000	95	170744	2.00	2.24	
63 Methylcyclohexane	83	12.864	12.864	0.000	94	300688	2.00	2.49	
64 4-Methyl-2-pentanone (MIBK)	43	13.246	13.246	0.000	96	322451	2.00	2.21	
65 cis-1,3-Dichloropropene	75	13.316	13.316	0.000	93	234327	2.00	2.25	
66 trans-1,3-Dichloropropene	75	14.000	14.000	0.000	98	199611	2.00	2.24	
67 Toluene	91	14.123	14.123	0.000	92	516329	2.00	2.16	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	96	165843	2.00	2.08	
69 2-Hexanone	58	14.559	14.559	0.000	94	173379	2.00	2.19	
70 n-Octane	85	14.790	14.790	0.000	93	135846	2.00	2.30	
71 Chlorodibromomethane	129	14.898	14.898	0.000	98	319430	2.00	2.22	
72 Ethylene Dibromide	107	15.183	15.183	0.000	98	291682	2.00	2.14	
73 Tetrachloroethene	129	15.253	15.253	0.000	98	197779	2.00	2.05	
75 Chlorobenzene	112	16.119	16.119	0.000	91	430869	2.00	2.11	
74 2,3-Dimethylheptane	43	16.119	16.119	0.000	95	458681	2.00	2.03	
76 Ethylbenzene	91	16.399	16.399	0.000	98	649802	2.00	2.19	
77 m-Xylene & p-Xylene	91	16.555	16.555	0.000	97	1066266	4.00	4.47	
78 n-Nonane	57	16.958	16.958	0.000	91	372978	2.00	2.32	
79 Bromoform	173	17.023	17.023	0.000	98	377457	2.00	2.45	
80 Styrene	104	17.028	17.028	0.000	98	397800	2.00	2.25	
81 o-Xylene	91	17.087	17.087	0.000	100	533253	2.00	2.19	
82 1,1,1,2,2-Tetrachloroethane	83	17.416	17.416	0.000	98	412518	2.00	2.17	
83 1,2,3-Trichloropropane	110	17.577	17.577	0.000	97	88580	2.00	2.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.679	17.679	0.000	95	761247	2.00	2.25	
85 N-Propylbenzene	120	18.212	18.212	0.000	99	207732	2.00	2.29	
86 2-Chlorotoluene	126	18.260	18.260	0.000	97	199761	2.00	2.22	
87 4-Ethyltoluene	105	18.357	18.357	0.000	99	734200	2.00	2.11	
88 1,3,5-Trimethylbenzene	120	18.432	18.432	0.000	92	343556	2.00	2.52	
89 Alpha Methyl Styrene	118	18.658	18.658	0.000	89	301349	2.00	2.15	
90 n-Decane	57	18.701	18.701	0.000	87	507799	2.00	2.30	
91 tert-Butylbenzene	119	18.852	18.852	0.000	93	686080	2.00	2.20	
92 1,2,4-Trimethylbenzene	105	18.863	18.863	0.000	96	672625	2.00	2.17	
93 sec-Butylbenzene	105	19.115	19.115	0.000	99	982807	2.00	2.18	
94 1,3-Dichlorobenzene	146	19.137	19.137	0.000	97	482511	2.00	2.04	
95 Benzyl chloride	91	19.212	19.212	0.000	98	477620	2.00	2.20	
96 1,4-Dichlorobenzene	146	19.223	19.223	0.000	97	473627	2.00	2.03	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	98	771734	2.00	2.15	
98 1,2,3-Trimethylbenzene	105	19.331	19.331	0.000	98	503178	2.00	1.62	
99 Butylcyclohexane	83	19.379	19.379	0.000	93	515681	2.00	2.11	
100 2,3-Dihydroindene	117	19.578	19.578	0.000	94	653027	2.00	2.19	
101 1,2-Dichlorobenzene	146	19.584	19.584	0.000	98	490248	2.00	2.07	
102 n-Butylbenzene	91	19.702	19.702	0.000	98	830656	2.00	2.22	
103 Indene	116	19.707	19.707	0.000	91	477097	2.00	1.97	
104 Undecane	57	19.998	19.998	0.000	93	578338	2.00	2.30	
105 1,2-Dibromo-3-Chloropropane	157	20.175	20.175	0.000	95	187091	2.00	1.87	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.455	0.000	97	708137	2.00	2.01	
107 Dodecane	57	21.074	21.074	0.000	95	560360	2.00	2.13	
108 1,2,4-Trichlorobenzene	180	21.305	21.305	0.000	93	355925	2.00	1.92	
109 Naphthalene	128	21.456	21.456	0.000	99	743751	2.00	1.69	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	91	556362	2.00	1.97	
111 1,2,3-Trichlorobenzene	180	21.708	21.708	0.000	94	391711	2.00	1.99	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	98	161693	2.00	1.64	
113 1-Methylnaphthalene	142	22.386	22.386	0.000	99	184548	2.00	1.69	
A 115 C8 Range	1	14.785	(14.737-14.833)		0	1414103	2.00	2.24	
S 116 Xylenes, Total	100				0		6.00	6.66	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.35	
T 141 2-Methylthiophene TIC	97	14.279	14.279	0.000	96	404165	2.00	2.08	
T 142 3-Methylthiophene TIC	97	14.478	14.478	0.000	98	401972	2.00	2.07	
T 144 2-Ethylthiophene TIC	97	16.501	16.501	0.000	61	483590	2.00	2.49	
T 149 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.073	20.073	0.000	97	586770	2.00	3.02	
T 150 1,2,3,5-Tetramethylbenzene TIC	119	20.514	20.514	0.000	95	427941	2.00	2.21	
T 151 1,2,3,4-Tetramethylbenzene TIC	119	20.928	20.928	0.000	97	565759	2.00	2.92	
T 152 Benzo(b)thiophene TIC	134	21.558	21.558	0.000	100	423199	2.00	2.18	

QC Flag Legend

Processing Flags

Reagents:

40CV101S_00145

Amount Added: 100.00

Units: ml

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 11-Jun-2021 12:37:31

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10CCV.D

Injection Date: 10-Jun-2021 05:10:30

Instrument ID: MS

Operator ID: HMT

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 500.000 mL

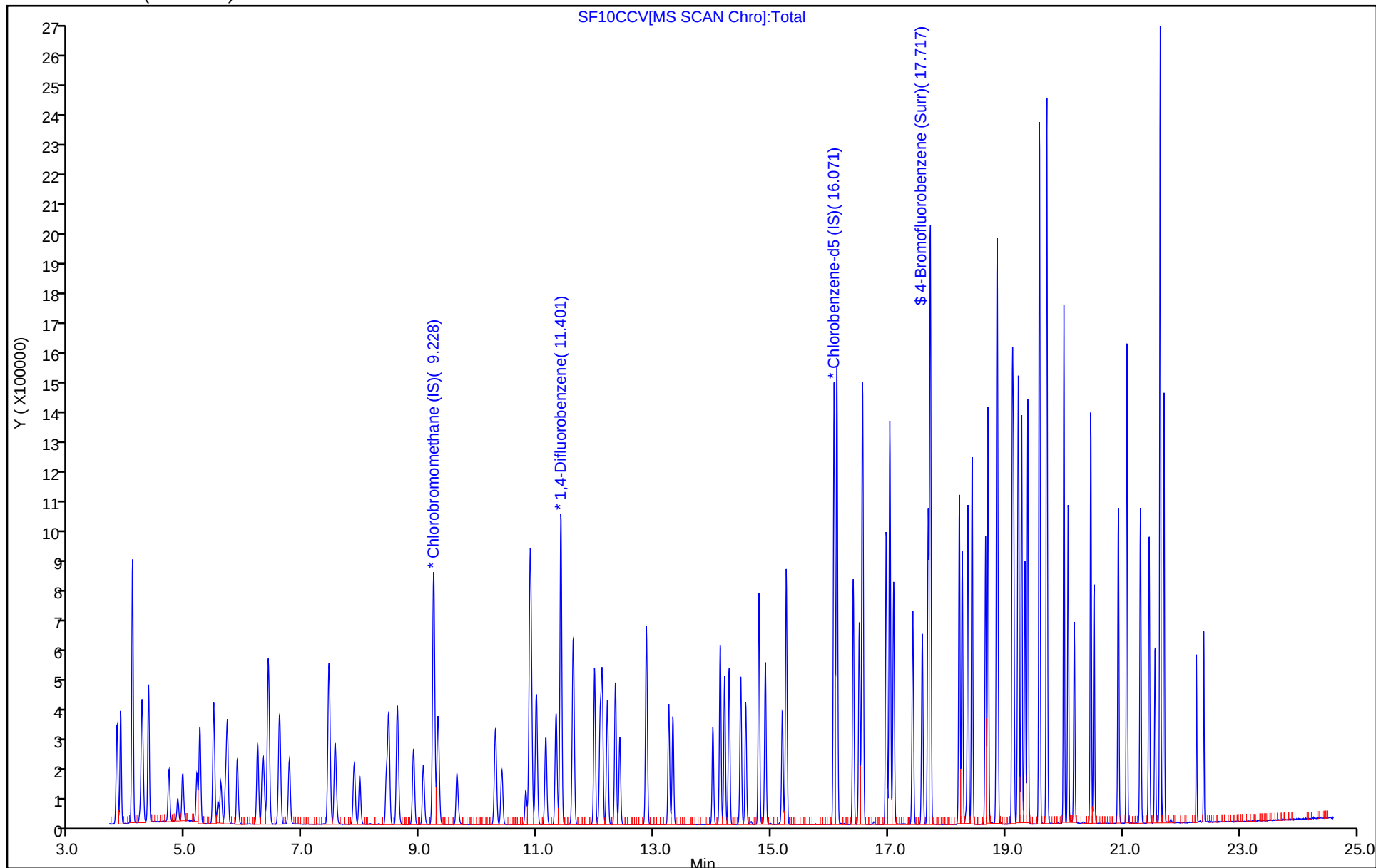
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22BFBB.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 22-May-2021 08:01:30 ALS Bottle#: 19 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 140-0019313-001
 Misc. Info.: BFB
 Operator ID: HMT Instrument ID: MH
 Method: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 24-May-2021 13:54:16 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1641

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

\$ 5 BFB	95	4.870	4.870	0.000	0	774153	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

40MXBFB_00001

Amount Added: 40.00

Units: mL

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22BFBB.D

Injection Date: 22-May-2021 08:01:30

Instrument ID: MH

Lims ID: BFB

Client ID:

Operator ID: HMT

ALS Bottle#: 19

Worklist Smp#: 1

Injection Vol: 500.0 mL

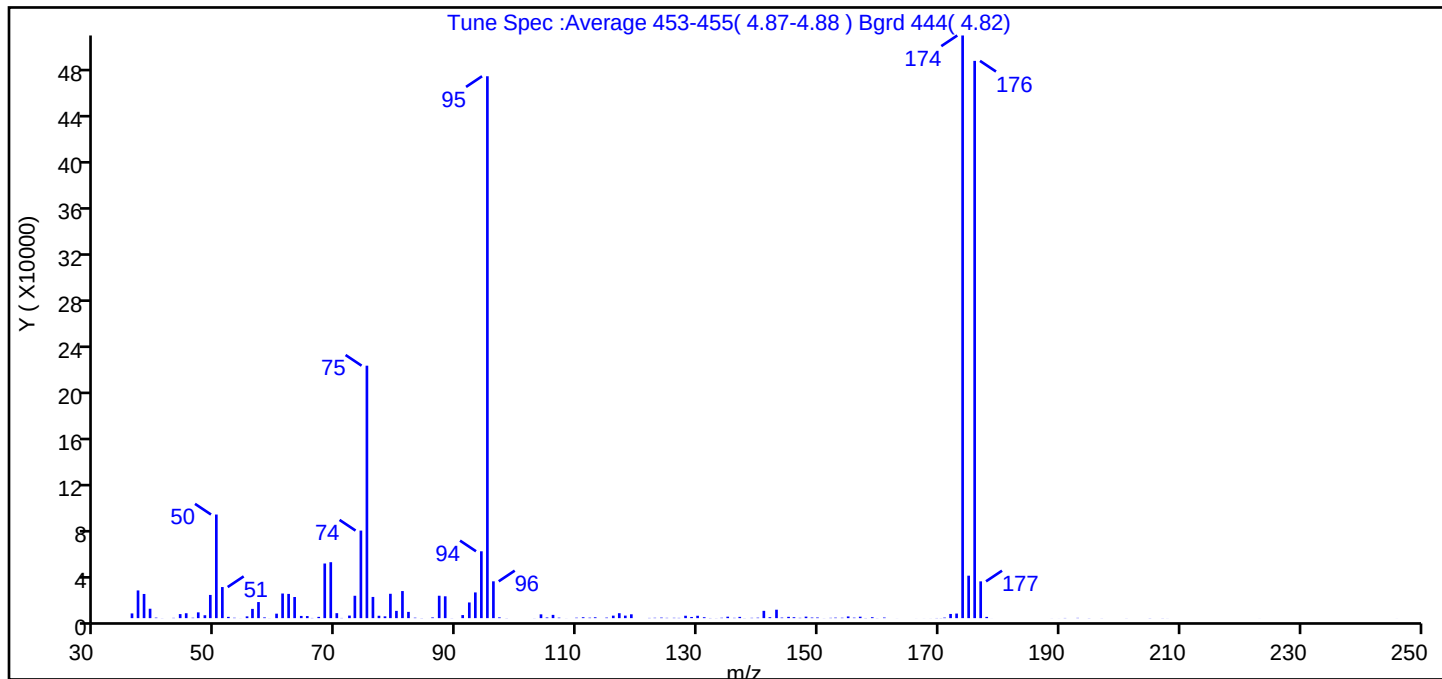
Dil. Factor: 1.0000

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.8 (0.8)
174	50 to 120% of m/z 95	107.5
175	5 to 9% of m/z 174	7.8 (7.3)
176	Greater than 95% but less than 101% of m/z 174	102.8 (95.6)
177	5 to 9% of m/z 176	6.8 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22BFBB.D\MH_TO15.rsl\spectra.d
Injection Date: 22-May-2021 08:01:30
Spectrum: Tune Spec :Average 453-455(4.87-4.88) Bgrd 444(4.82)
Base Peak: 173.90
Minimum % Base Peak: 0
Number of Points: 143

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4131	73.00	19568	116.00	2207	154.00	355
37.00	24232	74.00	76560	117.00	4324	155.00	1483
38.00	21144	75.00	220736	118.00	2216	156.00	424
39.00	8236	76.00	18536	119.00	3363	157.00	1262
40.00	467	77.00	2080	122.00	197	158.00	139
41.00	74	78.00	1570	123.00	310	159.00	810
43.00	245	79.00	21304	124.00	474	160.00	77
44.00	3529	80.00	6360	125.00	259	161.00	527
45.00	4288	81.00	23680	126.00	292	163.00	35
46.00	362	82.00	5475	127.00	222	166.00	28
47.00	5058	83.00	391	128.00	2104	168.00	33
48.00	2536	84.00	113	129.00	1024	169.00	39
49.00	20296	85.00	10	130.00	2080	170.00	137
50.00	90600	86.00	617	131.00	805	170.00	92
51.00	27184	87.00	19592	132.00	141	171.00	455
52.00	1123	88.00	19096	133.00	81	172.00	3664
53.00	332	89.00	80	134.00	336	173.00	4004
54.00	48	91.00	2684	135.00	1274	174.00	509440
55.00	1549	92.00	13714	136.00	271	175.00	37128
56.00	8091	93.00	22488	137.00	1105	176.00	487232
57.00	14073	94.00	58456	138.00	84	177.00	32168
58.00	639	95.00	473792	139.00	276	178.00	1101
59.00	54	96.00	32200	140.00	406	179.00	26
60.00	3920	97.00	642	141.00	6392	189.00	41
61.00	21528	98.00	98	142.00	813	190.00	29
62.00	21192	103.00	70	143.00	7380	191.00	160
63.00	18480	104.00	3320	144.00	489	193.00	231
64.00	1931	105.00	585	145.00	1146	195.00	101
65.00	1807	106.00	2860	146.00	808	197.00	58
66.00	171	107.00	413	147.00	269	201.00	58
67.00	1111	108.00	48	148.00	1325	205.00	105
68.00	47768	110.00	385	149.00	526	207.00	83
69.00	48912	111.00	781	150.00	565	208.00	39

Report Date: 24-May-2021 13:54:16

Chrom Revision: 2.3 13-May-2021 07:57:40

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22BFBB.D\MH_TO15.rsl\spectra.d

Injection Date: 22-May-2021 08:01:30

Spectrum: Tune Spec :Average 453-455(4.87-4.88) Bgrd 444(4.82)

Base Peak: 173.90

Minimum % Base Peak: 0

Number of Points: 143

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	4342	112.00	404	151.00	69	223.00	25
71.00	170	113.00	748	152.00	257	246.00	26
72.00	2233	115.00	473	153.00	439		

Report Date: 24-May-2021 13:54:16

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22BFBB.D

Injection Date: 22-May-2021 08:01:30

Instrument ID: MH

Operator ID: HMT

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 500.0 mL

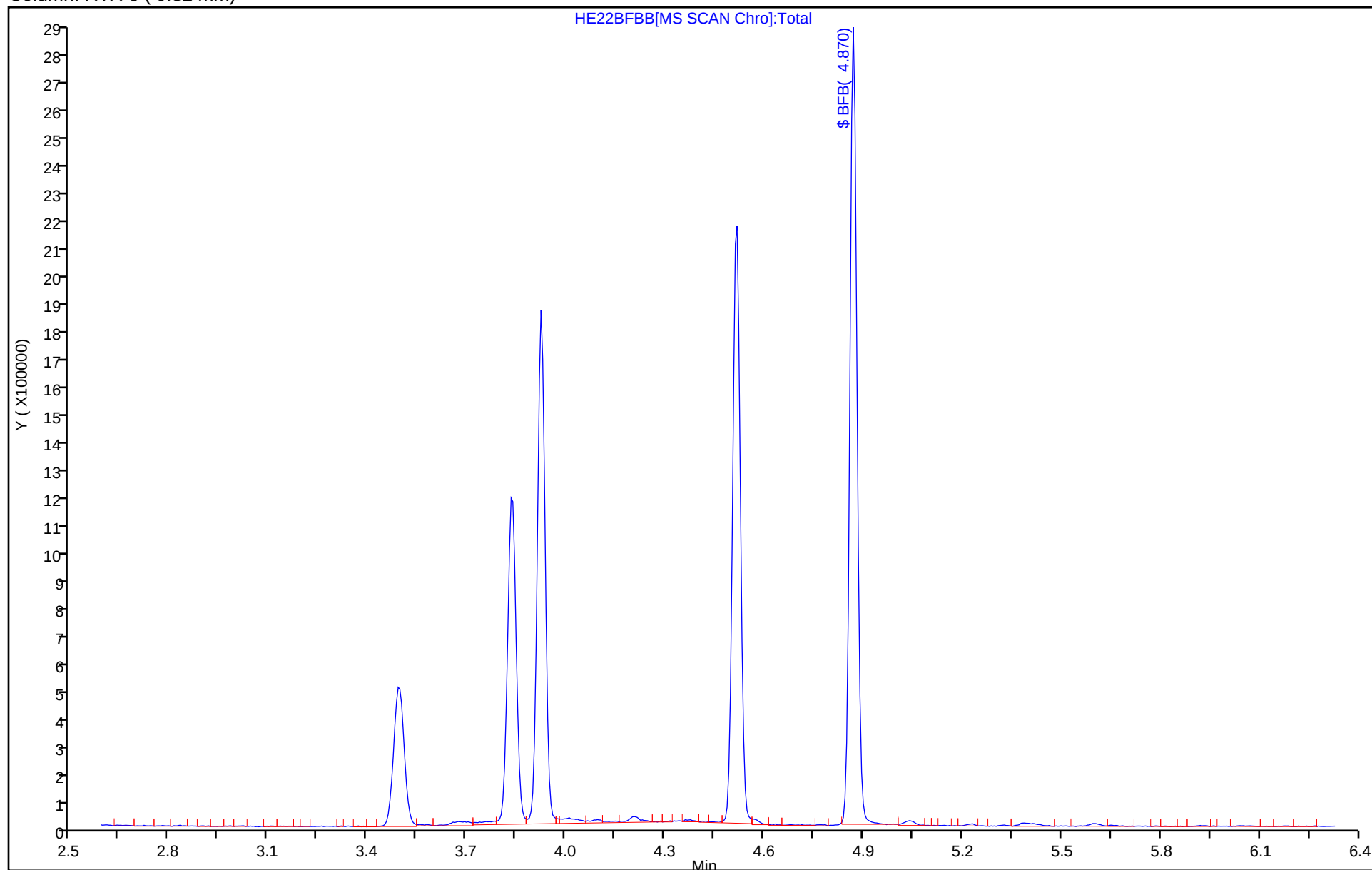
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HBFBF13.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 13-Jun-2021 07:21:30 ALS Bottle#: 16 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 140-0019547-001
 Misc. Info.: BFB
 Operator ID: HMT Instrument ID: MH
 Method: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 14-Jun-2021 14:13:59 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 14-Jun-2021 14:13:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

\$ 5 BFB	95	4.870	4.870	0.000	0	358024	NR	NR	8

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

8 - Failed MS Tune Ratio Test

Reagents:

40MXBFB_00001

Amount Added: 40.00

Units: mL

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HBFBF13.D

Injection Date: 13-Jun-2021 07:21:30

Instrument ID: MH

Lims ID: BFB

Client ID:

Operator ID: HMT

ALS Bottle#: 16

Worklist Smp#: 1

Injection Vol: 500.0 mL

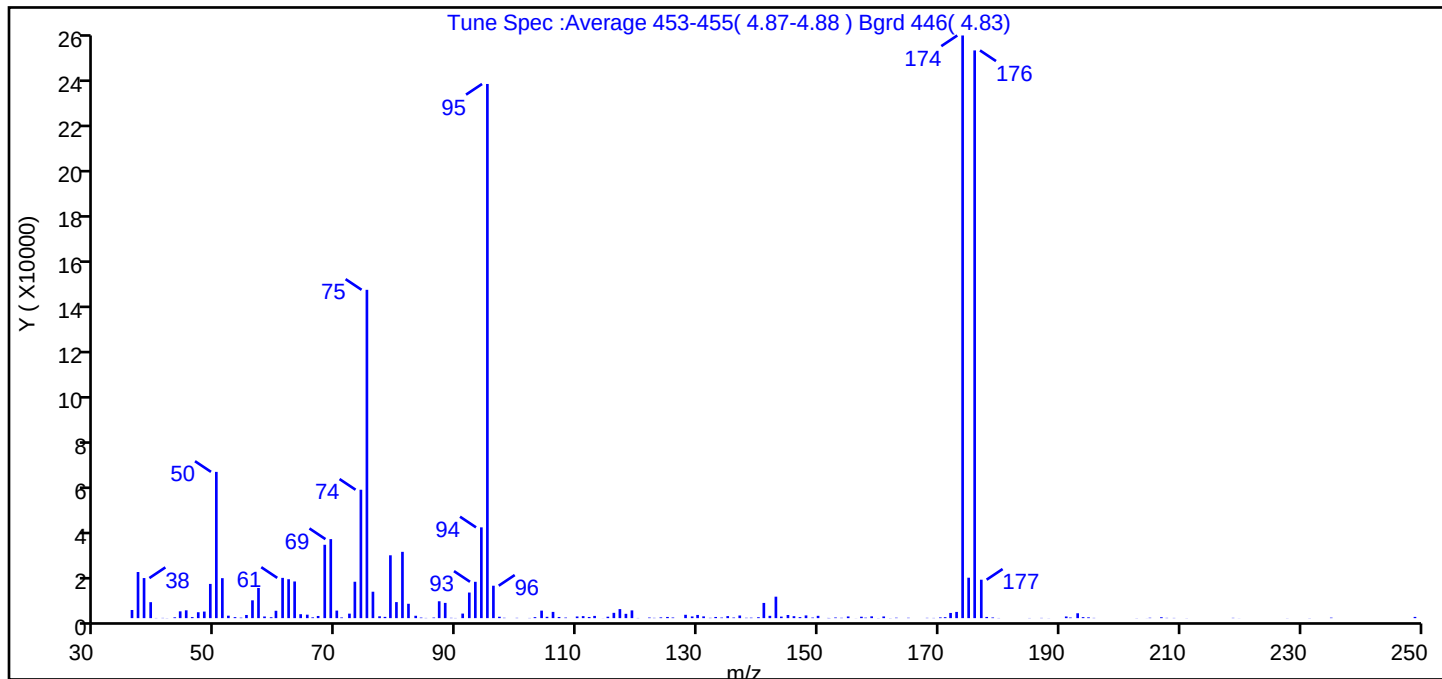
Dil. Factor: 1.0000

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.4
75	30 to 60% of m/z 95	61.5*
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	1.2 (1.1)
174	50 to 120% of m/z 95	109.1
175	5 to 9% of m/z 174	7.6 (6.9)
176	Greater than 95% but less than 101% of m/z 174	106.3 (97.4)
177	5 to 9% of m/z 176	7.2 (6.8)

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HBFBF13.D\MH_TO15.rslt\spectra.d
Injection Date: 13-Jun-2021 07:21:30
Spectrum: Tune Spec :Average 453-455(4.87-4.88) Bgrd 446(4.83)
Base Peak: 173.90
Minimum % Base Peak: 0
Number of Points: 159

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3562	76.00	11544	119.00	3386	161.00	734
37.00	20152	77.00	803	120.00	80	162.00	57
38.00	17512	78.00	555	122.00	264	163.00	188
39.00	6979	79.00	27456	123.00	128	165.00	161
40.00	76	80.00	7011	124.00	336	168.00	129
41.00	107	81.00	28968	125.00	522	169.00	97
42.00	55	82.00	6275	126.00	280	170.00	318
43.00	364	83.00	1040	128.00	1465	171.00	420
44.00	2966	84.00	246	129.00	733	172.00	2269
45.00	3417	85.00	94	130.00	1396	173.00	2717
46.00	458	86.00	257	131.00	771	174.00	254528
47.00	2583	87.00	7372	132.00	141	175.00	17664
48.00	2869	88.00	6662	133.00	510	176.00	248000
49.00	14951	89.00	136	134.00	253	177.00	16792
50.00	63896	90.00	80	135.00	893	178.00	527
51.00	17464	91.00	1991	136.00	272	179.00	299
52.00	1073	92.00	11183	137.00	1152	180.00	73
53.00	441	93.00	15875	138.00	162	185.00	75
54.00	216	94.00	39656	139.00	211	187.00	105
55.00	1383	95.00	233344	140.00	401	188.00	41
56.00	7780	96.00	14167	141.00	6644	191.00	723
57.00	13175	97.00	603	142.00	1006	192.00	267
58.00	719	98.00	156	143.00	9377	193.00	2132
59.00	395	100.00	129	144.00	670	194.00	436
60.00	3222	102.00	86	145.00	1365	195.00	353
61.00	17592	103.00	436	146.00	855	196.00	113
62.00	17000	104.00	3289	147.00	444	203.00	56
63.00	16016	105.00	583	148.00	1192	204.00	25
64.00	1722	106.00	2732	149.00	250	205.00	173
65.00	1516	107.00	513	150.00	1011	207.00	386
66.00	350	108.00	252	152.00	95	208.00	120
67.00	949	110.00	723	152.00	55	209.00	98
68.00	32048	111.00	878	153.00	279	211.00	46

Report Date: 14-Jun-2021 14:13:59

Chrom Revision: 2.3 13-May-2021 07:57:40

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HBFBF13.D\MH_TO15.rsl\spectra.d

Injection Date: 13-Jun-2021 07:21:30

Spectrum: Tune Spec :Average 453-455(4.87-4.88) Bgrd 446(4.83)

Base Peak: 173.90

Minimum % Base Peak: 0

Number of Points: 159

m/z	Y	m/z	Y	m/z	Y	m/z	Y
69.00	34520	112.00	514	154.00	148	219.00	131
70.00	3303	113.00	977	155.00	734	220.00	33
71.00	306	114.00	31	156.00	34	228.00	44
72.00	1968	115.00	623	157.00	624	232.00	57
73.00	15901	116.00	2321	158.00	204	235.00	213
74.00	56096	117.00	3951	159.00	784	249.00	540
75.00	143424	118.00	1886	160.00	54		

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HBFBF13.D

Injection Date: 13-Jun-2021 07:21:30

Instrument ID: MH

Operator ID: HMT

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 500.0 mL

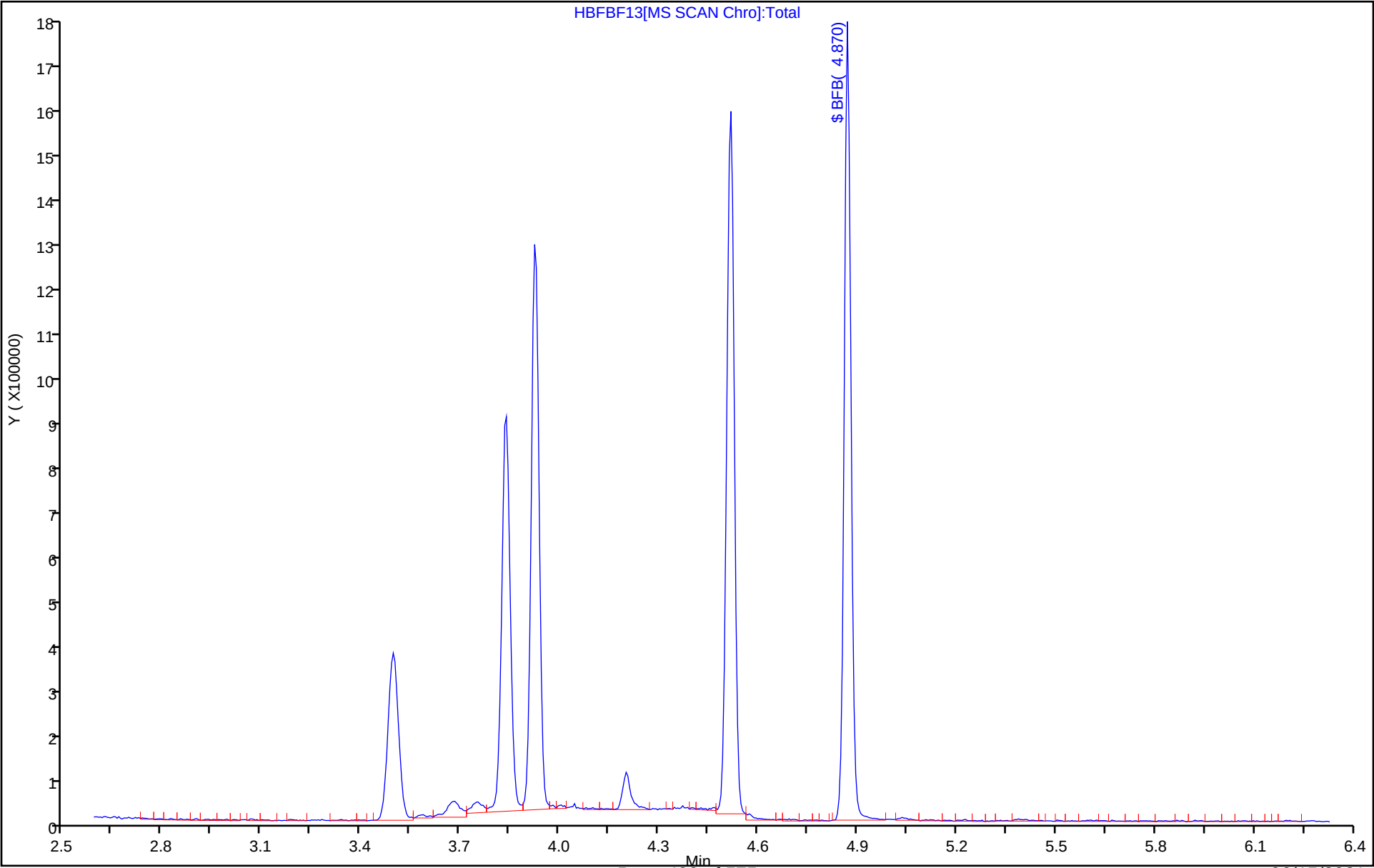
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SBFBF09B.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 09-Jun-2021 11:10:30 ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Sample Info: 140-0019493-001
Misc. Info.: BFB
Operator ID: HMT Instrument ID: MS
Method: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 10-Jun-2021 10:20:12 Calib Date: 09-Jun-2021 23:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1623

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

\$ 5 BFB	95	4.810	4.810	0.000	0	767024	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

40MXBFB_00001

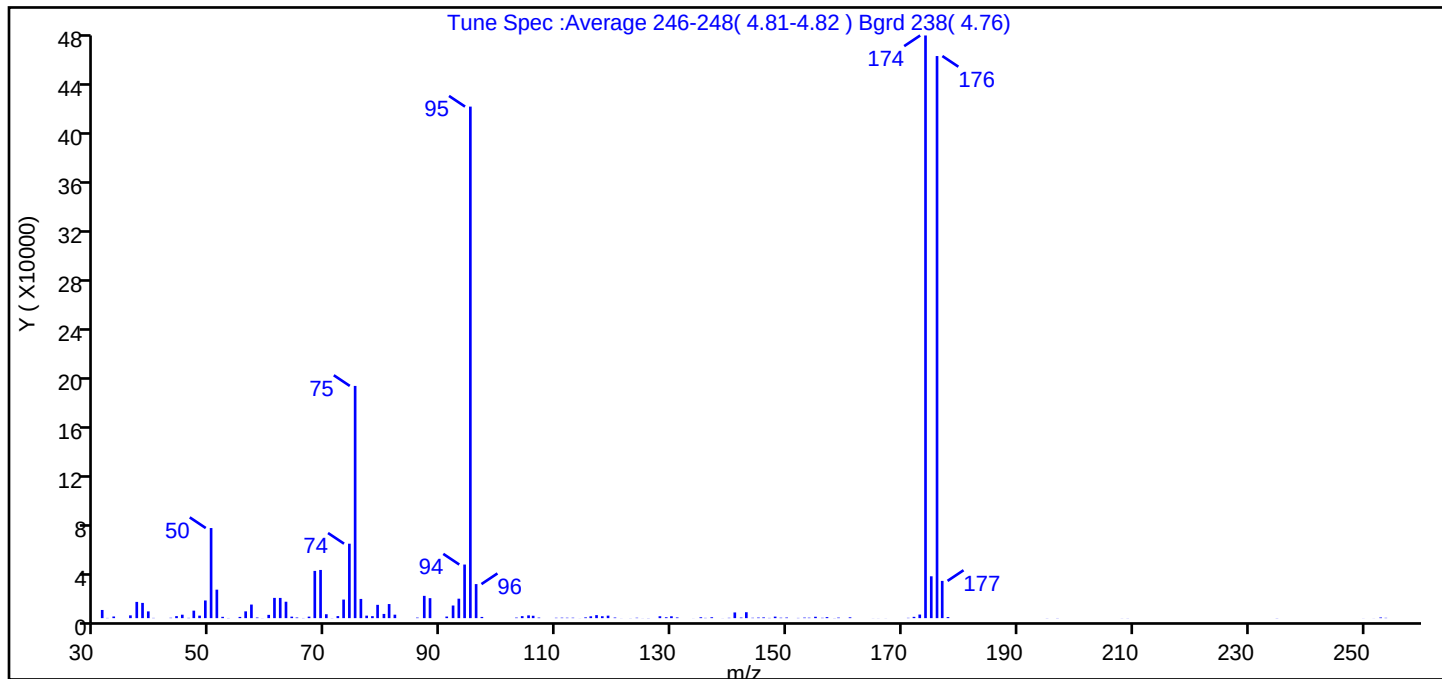
Amount Added: 40.00

Units: mL

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SBFBF09B.D
Injection Date: 09-Jun-2021 11:10:30 Instrument ID: MS
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.6
75	30 to 60% of m/z 95	45.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.7 (0.6)
174	50 to 120% of m/z 95	113.9
175	5 to 9% of m/z 174	8.2 (7.2)
176	Greater than 95% but less than 101% of m/z 174	109.9 (96.5)
177	5 to 9% of m/z 176	7.3 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SBFBF09B.D\MS_TO15A.rslt\spectra.d
Injection Date: 09-Jun-2021 11:10:30
Spectrum: Tune Spec :Average 246-248(4.81-4.82) Bgrd 238(4.76)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 127

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	6664	68.00	38512	112.00	340	149.00	351
32.00	170	69.00	39288	113.00	351	150.00	494
33.00	1340	70.00	3185	114.00	50	152.00	185
36.00	2272	71.00	108	115.00	618	153.00	440
37.00	13247	72.00	1674	116.00	1498	154.00	368
38.00	12424	73.00	15154	117.00	2452	155.00	1130
39.00	5509	74.00	60696	118.00	1550	156.00	276
40.00	191	75.00	189312	119.00	2037	157.00	836
43.00	300	76.00	15665	120.00	493	158.00	104
44.00	1651	77.00	2038	121.00	56	159.00	439
45.00	2808	78.00	1600	123.00	80	161.00	666
46.00	213	79.00	10843	124.00	320	165.00	56
47.00	6113	80.00	3443	125.00	64	166.00	57
48.00	2032	81.00	11491	126.00	118	167.00	57
49.00	14406	82.00	2825	128.00	1542	171.00	245
50.00	73448	86.00	430	129.00	724	172.00	1064
51.00	23216	87.00	18168	130.00	1517	173.00	2927
52.00	1082	88.00	16287	131.00	564	174.00	475008
53.00	134	91.00	1299	134.00	52	175.00	34120
55.00	1000	92.00	10294	135.00	726	176.00	458240
56.00	5538	93.00	15865	136.00	209	177.00	30368
57.00	11079	94.00	43696	137.00	730	178.00	871
58.00	526	95.00	417024	139.00	59	195.00	91
59.00	70	96.00	27760	140.00	268	197.00	123
60.00	2684	97.00	989	141.00	4655	208.00	62
61.00	16512	103.00	457	142.00	482	209.00	78
62.00	16488	104.00	1622	143.00	4836	235.00	117
63.00	13376	105.00	2257	144.00	298	250.00	54
64.00	1217	106.00	1943	145.00	465	252.00	54
65.00	526	107.00	440	146.00	602	253.00	543
66.00	131	110.00	304	147.00	195	254.00	256
67.00	1226	111.00	384	148.00	1234		

Report Date: 10-Jun-2021 10:20:12

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SBFBF09B.D

Injection Date: 09-Jun-2021 11:10:30

Instrument ID: MS

Operator ID: HMT

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 500.0 mL

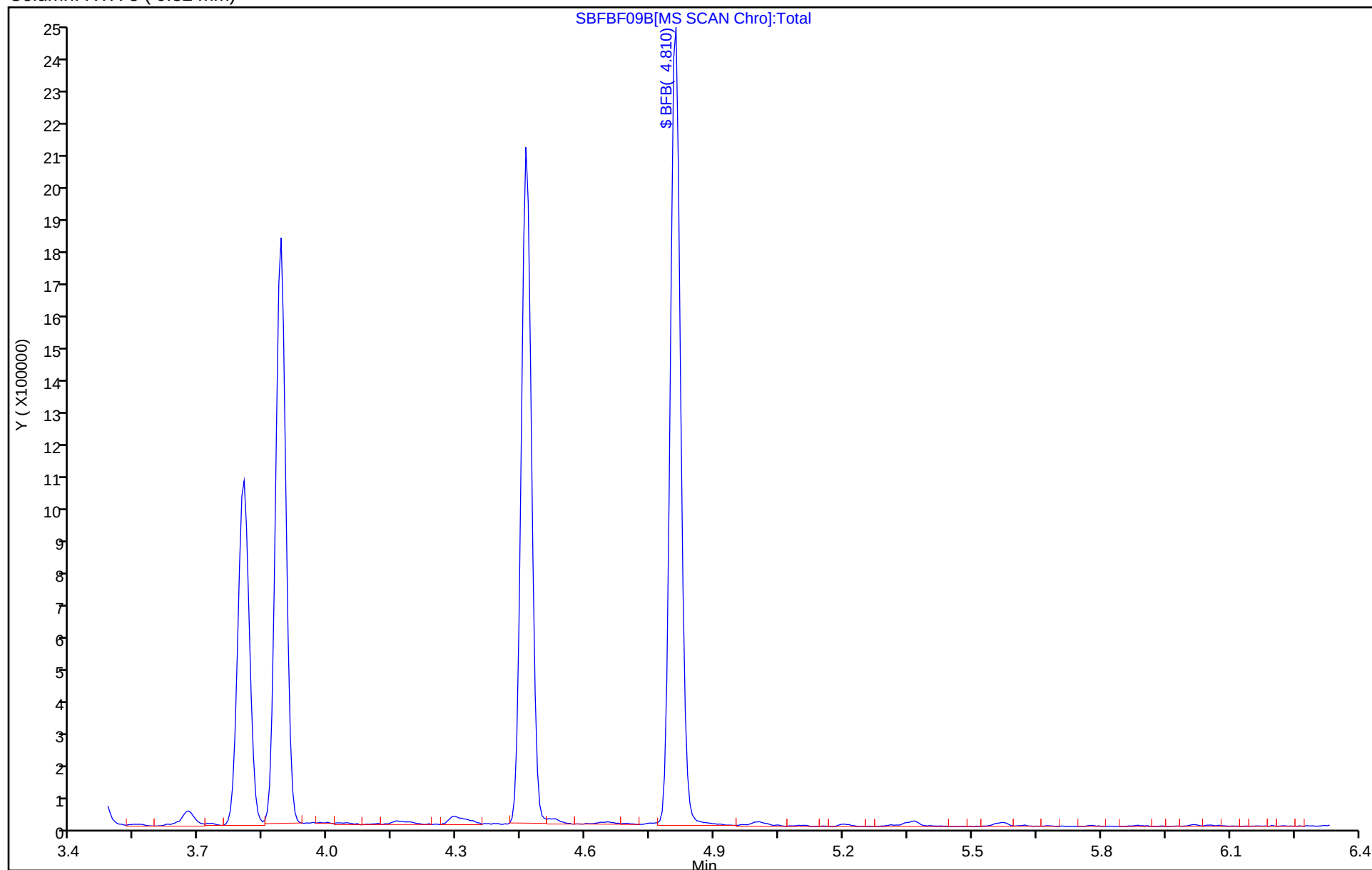
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10BFB.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 10-Jun-2021 04:38:30 ALS Bottle#: 16 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 140-0019526-001
 Misc. Info.: BFB
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 11-Jun-2021 12:35:43 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 12:35:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

\$ 5 BFB	95	4.794	4.794	0.000	0	708526	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

40MXBFB_00001

Amount Added: 40.00

Units: mL

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10BFB.D

Injection Date: 10-Jun-2021 04:38:30

Instrument ID: MS

Lims ID: BFB

Client ID:

Operator ID: HMT

ALS Bottle#: 16

Worklist Smp#: 1

Injection Vol: 500.0 mL

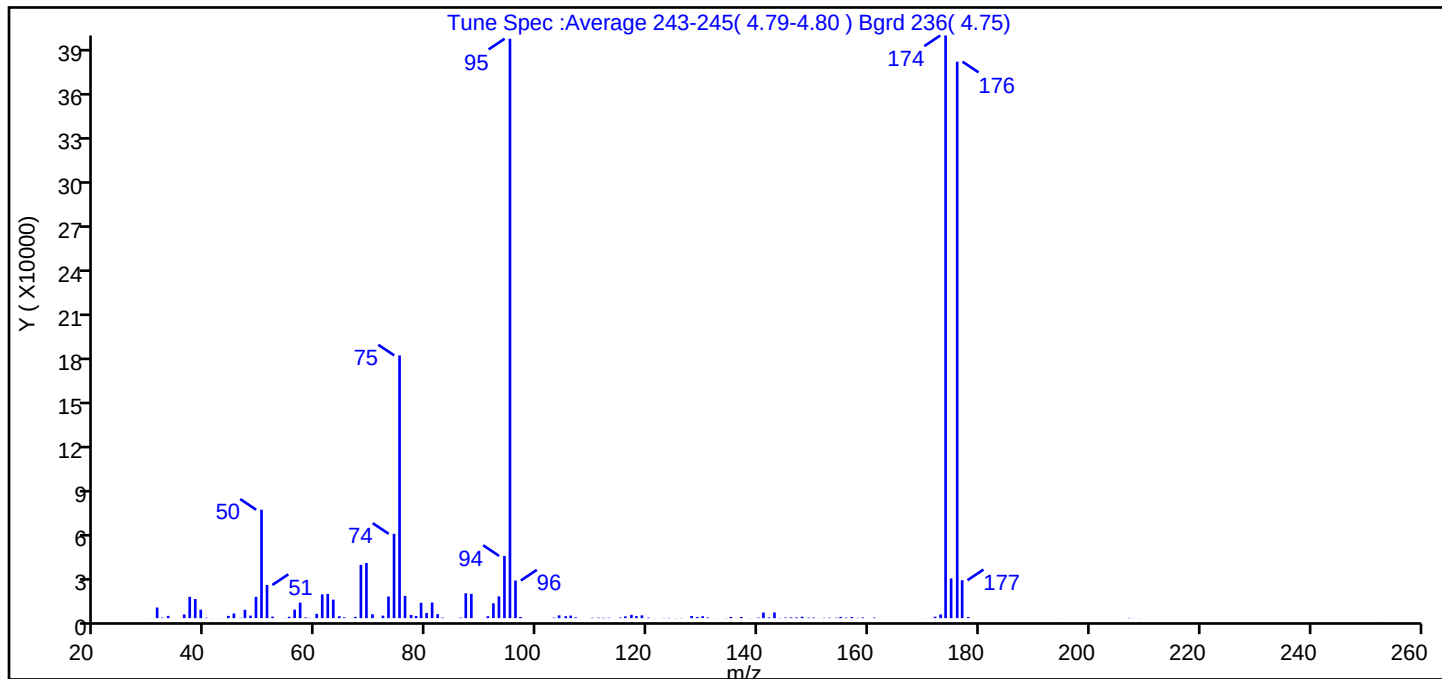
Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.7
75	30 to 60% of m/z 95	45.3
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	100.6
175	5 to 9% of m/z 174	6.9 (6.8)
176	Greater than 95% but less than 101% of m/z 174	96.0 (95.5)
177	5 to 9% of m/z 176	6.5 (6.8)

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10BFB.DMS_TO15A.rslt\spectra.d
Injection Date: 10-Jun-2021 04:38:30
Spectrum: Tune Spec :Average 243-245(4.79-4.80) Bgrd 236(4.75)
Base Peak: 173.90
Minimum % Base Peak: 0
Number of Points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	31	66.00	68	107.00	536	146.00	512
31.00	7259	67.00	895	110.00	236	147.00	515
32.00	380	68.00	36480	111.00	333	148.00	960
33.00	1573	69.00	37720	112.00	258	149.00	346
36.00	2502	70.00	2659	113.00	266	150.00	402
37.00	14574	72.00	1719	115.00	368	151.00	53
38.00	13065	73.00	14808	116.00	1213	152.00	180
39.00	5749	74.00	57672	117.00	2245	153.00	317
40.00	300	75.00	179712	118.00	1412	154.00	272
41.00	55	76.00	15239	119.00	1914	155.00	834
43.00	51	77.00	2199	120.00	360	156.00	377
44.00	1534	78.00	1515	121.00	53	157.00	772
45.00	3158	79.00	10494	123.00	120	158.00	196
46.00	218	80.00	3570	124.00	184	159.00	471
47.00	5733	81.00	10704	125.00	104	161.00	387
48.00	1718	82.00	2732	126.00	137	170.00	51
49.00	14569	83.00	351	128.00	1495	171.00	58
50.00	74152	86.00	361	129.00	812	172.00	982
51.00	22696	87.00	16992	130.00	1325	173.00	2528
52.00	1061	88.00	16592	131.00	463	174.00	398528
54.00	52	90.00	62	132.00	57	175.00	27152
55.00	939	91.00	1326	134.00	117	176.00	380608
56.00	5825	92.00	10126	135.00	829	177.00	25952
57.00	10645	93.00	14848	136.00	53	178.00	774
58.00	511	94.00	42552	137.00	789	195.00	57
59.00	166	95.00	396288	139.00	82	207.00	212
60.00	2971	96.00	25720	140.00	332	208.00	76
61.00	16220	97.00	799	141.00	3856	209.00	55
62.00	16552	103.00	334	142.00	485	253.00	22
63.00	12650	104.00	1894	143.00	3873		
64.00	1312	105.00	1320	144.00	187		
65.00	519	106.00	1748	145.00	366		

Report Date: 11-Jun-2021 12:35:44

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10BFB.D

Injection Date: 10-Jun-2021 04:38:30

Instrument ID: MS

Operator ID: HMT

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 500.0 mL

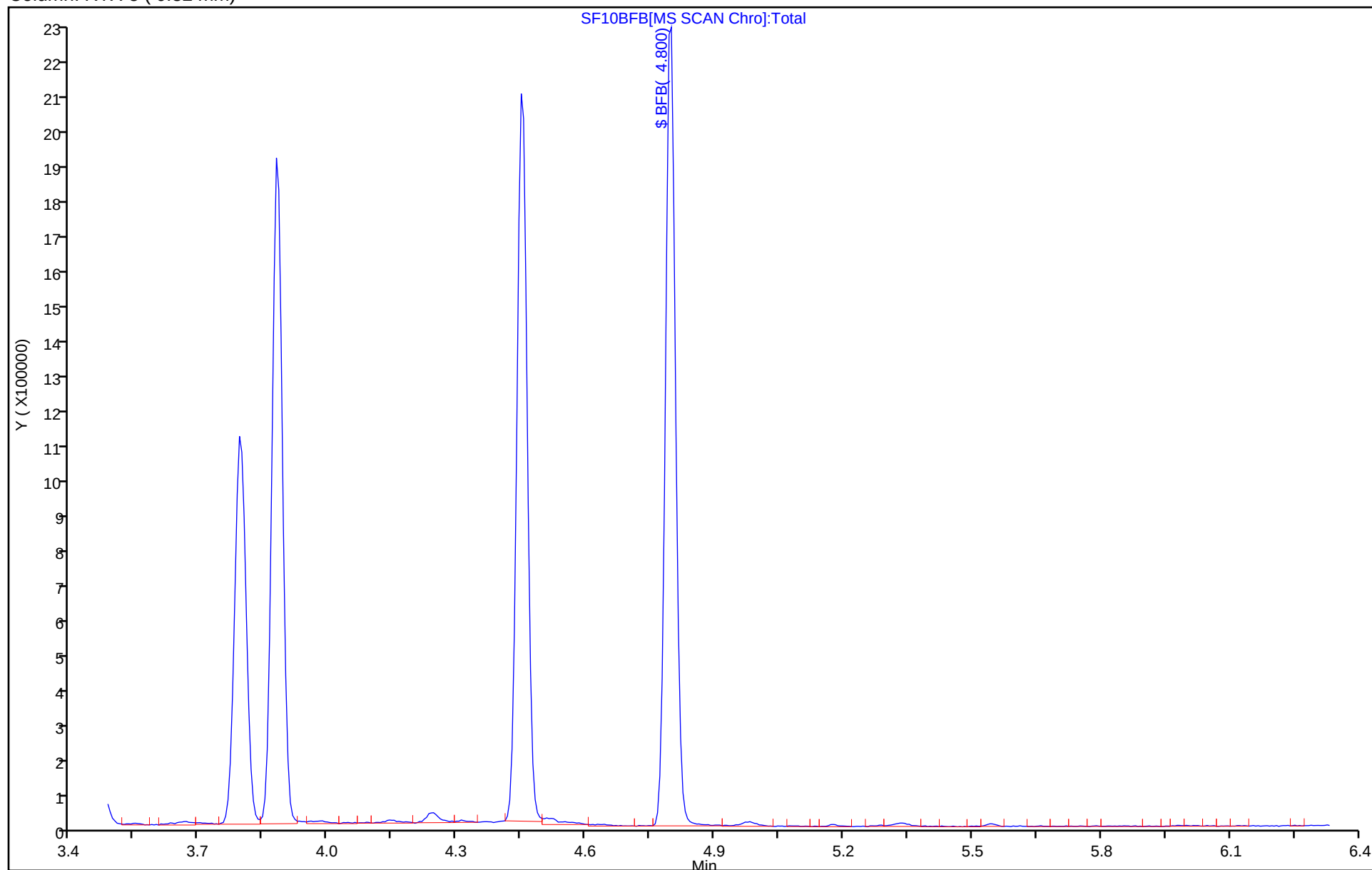
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-50650/4
 Matrix: Air Lab File ID: SF10MB500.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 06:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	ND		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	ND		0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
71-43-2	Benzene	78.11	ND		0.080	
100-44-7	Benzyl chloride	126.58	ND		0.16	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
56-23-5	Carbon tetrachloride	153.81	ND		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	ND		0.080	
74-87-3	Chloromethane	50.49	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
110-82-7	Cyclohexane	84.16	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-50650/4
 Matrix: Air Lab File ID: SF10MB500.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 06:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.080	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.080	
64-17-5	Ethanol	46.07	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.080	
91-20-3	Naphthalene	128.17	ND		0.20	
95-47-6	o-Xylene	106.17	ND		0.080	
100-42-5	Styrene	104.15	ND		0.080	
75-65-0	t-Butyl alcohol	74.12	ND		0.32	
127-18-4	Tetrachloroethene	165.83	ND		0.080	
108-88-3	Toluene	92.14	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	
79-01-6	Trichloroethene	131.39	ND		0.036	
75-69-4	Trichlorofluoromethane	137.37	ND		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-50650/4
 Matrix: Air Lab File ID: SF10MB500.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 06:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.61	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.56	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	ND		0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	ND		0.94	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
71-43-2	Benzene	78.11	ND		0.26	
100-44-7	Benzyl chloride	126.58	ND		0.83	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
56-23-5	Carbon tetrachloride	153.81	ND		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	ND		0.39	
74-87-3	Chloromethane	50.49	ND		0.41	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
110-82-7	Cyclohexane	84.16	ND		0.69	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-50650/4
 Matrix: Air Lab File ID: SF10MB500.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 06:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.68	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.40	
64-17-5	Ethanol	46.07	ND		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	ND		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.35	
91-20-3	Naphthalene	128.17	ND		1.0	
95-47-6	o-Xylene	106.17	ND		0.35	
100-42-5	Styrene	104.15	ND		0.34	
75-65-0	t-Butyl alcohol	74.12	ND		0.97	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
108-88-3	Toluene	92.14	ND		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	
79-01-6	Trichloroethene	131.39	ND		0.19	
75-69-4	Trichlorofluoromethane	137.37	ND		0.45	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10MB500.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 10-Jun-2021 06:33:30 ALS Bottle#: 16 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019526-004
 Misc. Info.: 500ML BLK
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 11-Jun-2021 15:06:27 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: barlozhetskayaa

Date: 11-Jun-2021 15:06:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.228	9.228	0.000	96	217072	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.401	0.000	94	1071017	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	86	896503	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.717	17.717	0.000	97	610070	4.64	4.41	
11 Acetaldehyde	44	4.252	4.239	0.011	85	7053		0.1973	
17 Ethanol	31	4.984	4.984	0.044	86	1045		0.0537	M
23 Acetone	58	5.629	5.588	0.038	93	3458		-0.7164	
28 Acrylonitrile	53	6.350	6.319	0.027	47	686		0.0125	
31 Methylene Chloride	84	6.592	6.583	0.006	96	2500		0.0407	
33 Carbon disulfide	76	6.764	6.760	0.000	33	2346		0.0124	
43 Ethyl acetate	43	9.110	9.051	0.054	1	591		0.004103	
47 1,1,1-Trichloroethane	97	10.283	10.276	0.000	1	680		0.005320	
51 Benzene	78	10.874	10.874	0.000	8	1454		0.007156	
55 Isooctane	57	11.611	11.617	-0.005	1	137		0.000389	
59 Dibromomethane	93	12.203	12.198	0.006	5	342		0.003913	
67 Toluene	91	14.124	14.123	0.001	96	2093		0.009094	
72 Ethylene Dibromide	107	15.189	15.183	0.006	27	656		0.004998	
75 Chlorobenzene	112	16.125	16.119	0.006	90	1877		0.009531	
76 Ethylbenzene	91	16.404	16.399	0.005	1	1812		0.006350	
77 m-Xylene & p-Xylene	91	16.560	16.555	0.005	93	3184		0.0139	
81 o-Xylene	91	17.088	17.088	0.001	86	1597		0.006805	
82 1,1,2,2-Tetrachloroethane	83	17.421	17.416	0.005	75	842		0.004603	
84 Isopropylbenzene	105	17.685	17.679	0.006	1	1535		0.004720	
86 2-Chlorotoluene	126	18.260	18.260	0.000	89	577		0.006659	
87 4-Ethyltoluene	105	18.363	18.357	0.006	25	1578		0.004712	
88 1,3,5-Trimethylbenzene	120	18.427	18.433	-0.005	1	304		0.002313	
91 tert-Butylbenzene	119	18.858	18.852	0.006	72	1003		0.003339	
92 1,2,4-Trimethylbenzene	105	18.863	18.863	0.000	74	1249		0.004188	
93 sec-Butylbenzene	105	19.121	19.116	0.006	95	1347		0.003101	
94 1,3-Dichlorobenzene	146	19.143	19.137	0.006	93	1937		0.008520	
95 Benzyl chloride	91	19.218	19.213	0.006	47	673		0.003218	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
96 1,4-Dichlorobenzene	146	19.223	19.223	0.000	91	2103		0.009379	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	8	965		0.002800	
100 2,3-Dihydroindene	117	19.578	19.578	0.000	1	223		0.000775	
101 1,2-Dichlorobenzene	146	19.584	19.584	0.000	96	2111		0.009251	
102 n-Butylbenzene	91	19.708	19.702	0.006	94	1572		0.004366	
103 Indene	116	19.713	19.708	0.006	59	371		0.001589	
105 1,2-Dibromo-3-Chloropropane	157	20.181	20.176	0.006	1	159		0.001648	
106 1,2,4,5-Tetramethylbenzene	119	20.461	20.455	0.006	1	925		0.002728	
108 1,2,4-Trichlorobenzene	180	21.316	21.305	0.011	92	2710		0.0152	
109 Naphthalene	128	21.456	21.456	0.000	98	8085		0.0191	
110 Hexachlorobutadiene	225	21.650	21.644	0.006	88	1329		0.004898	
111 1,2,3-Trichlorobenzene	180	21.714	21.709	0.006	90	3379		0.0178	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	90	1077		0.0114	
113 1-Methylnaphthalene	142	22.392	22.387	0.006	94	1637		0.0155	
S 116 Xylenes, Total	100				0			0.0207	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 11-Jun-2021 15:06:28

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10MB500.D

Injection Date: 10-Jun-2021 06:33:30

Instrument ID: MS

Operator ID: HMT

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 500.000 mL

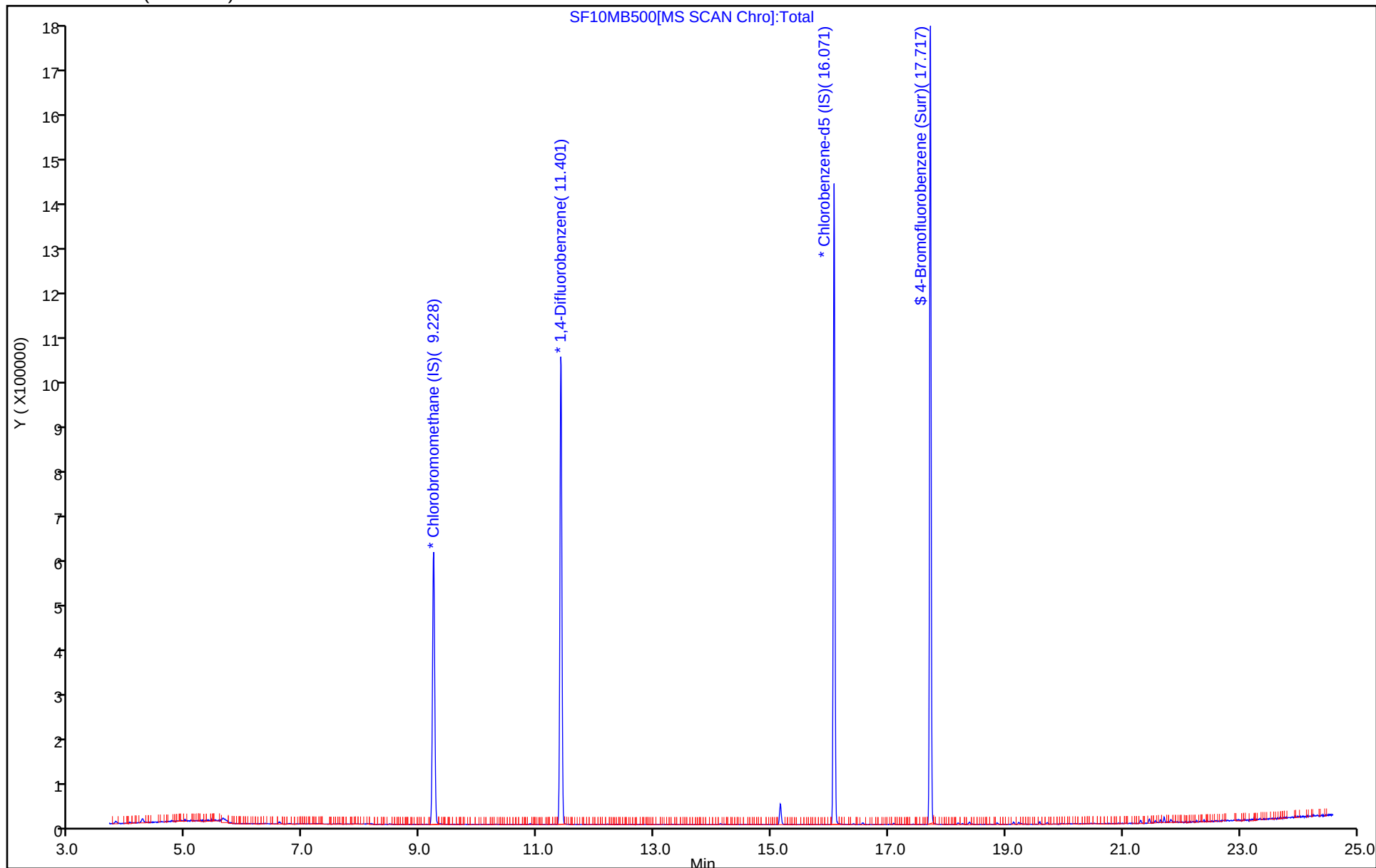
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10MB500.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Jun-2021 06:33:30 ALS Bottle#: 16 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0019526-004
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MS
Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jun-2021 15:06:27 Calib Date: 09-Jun-2021 23:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: barlozhetskayaa

Date: 11-Jun-2021 15:06:27

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.41	95.02

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10MB500.D

Injection Date: 10-Jun-2021 06:33:30

Instrument ID: MS

Lims ID: MB

Client ID:

Operator ID: HMT

ALS Bottle#:

16

Worklist Smp#: 4

Purge Vol: 500.000 mL

Dil. Factor:

1.0000

Method: MS_TO15A

Limit Group:

MSA TO14A_15 Routine ICAL

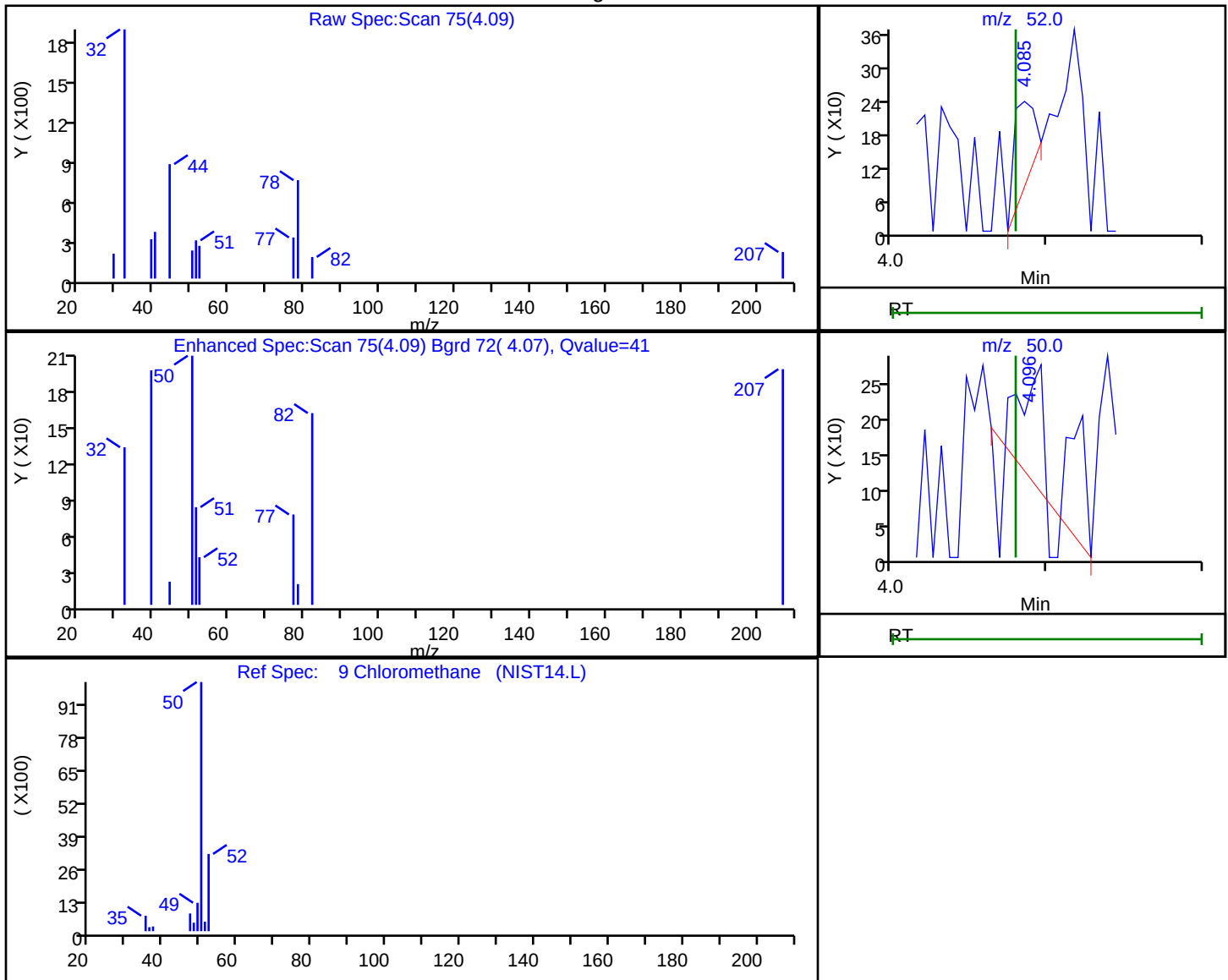
Column: RTX-5 (0.32 mm)

Detector

MS SCAN

9 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
4.09	52.00	143	0.005619
4.10	50.00	230	

Reviewer: barlozhetskayaa, 11-Jun-2021 15:05:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10MB500.D

Injection Date: 10-Jun-2021 06:33:30

Instrument ID: MS

Lims ID: MB

Client ID:

Operator ID: HMT

ALS Bottle#:

16

Worklist Smp#: 4

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

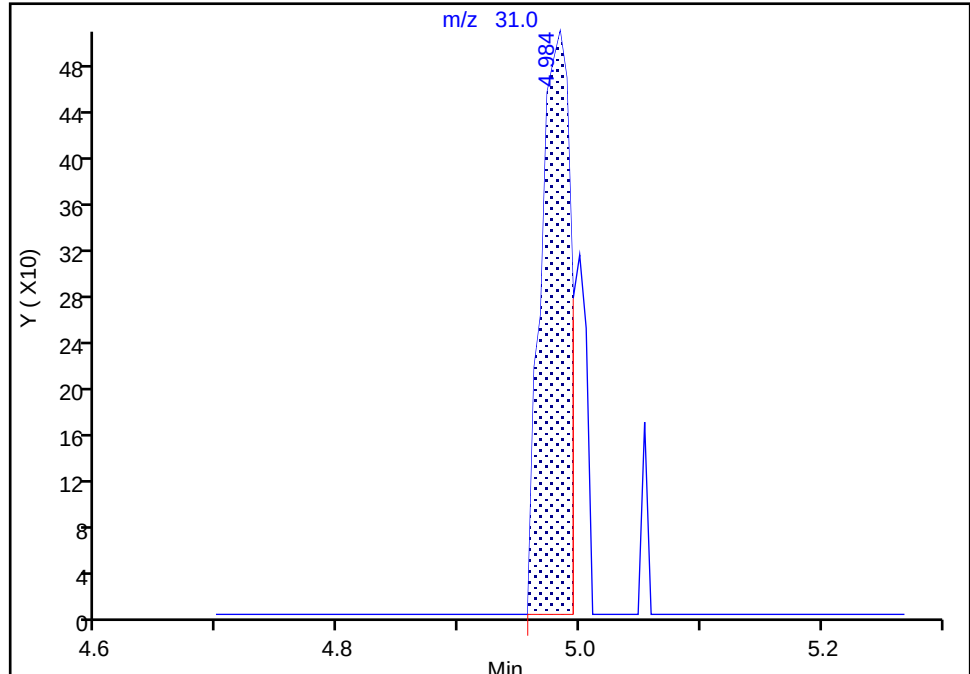
Detector: MS SCAN

17 Ethanol, CAS: 64-17-5

Signal: 1

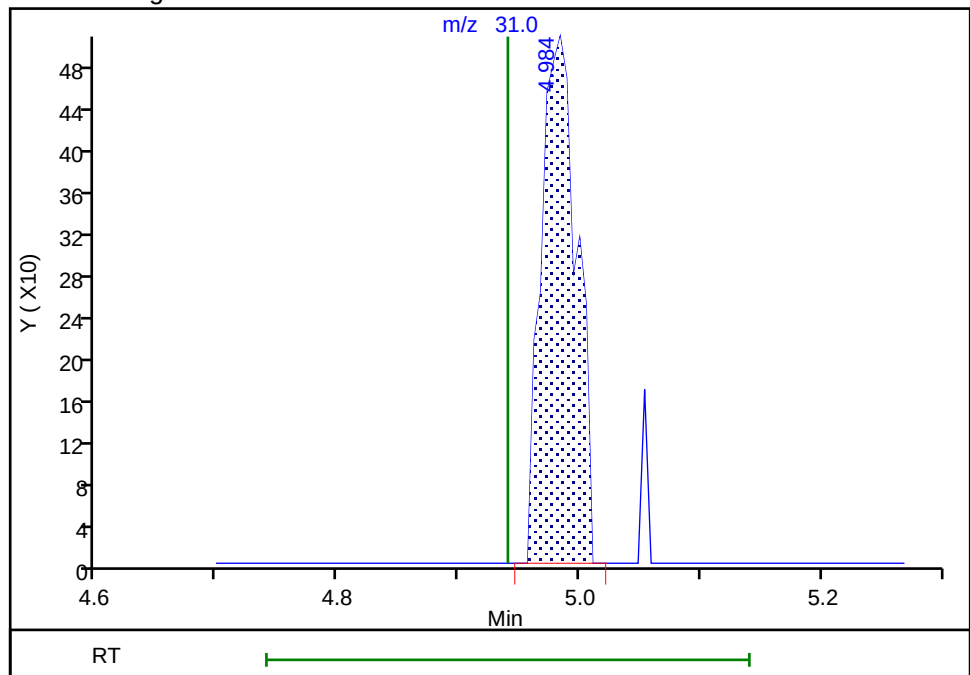
RT: 4.98
Area: 863
Amount: 0.044376
Amount Units: ppb v/v

Processing Integration Results



RT: 4.98
Area: 1045
Amount: 0.053735
Amount Units: ppb v/v

Manual Integration Results



Reviewer: barlozhetskayaa, 11-Jun-2021 15:05:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-50713/4
 Matrix: Air Lab File ID: H500BF13.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/13/2021 09:46
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50713 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-50713/4
 Matrix: Air Lab File ID: H500BF13.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/13/2021 09:46
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50713 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	ND		3.8	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\H500BF13.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 13-Jun-2021 09:46:30 ALS Bottle#: 16 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019547-004
 Misc. Info.: 500ML BLK
 Operator ID: HMT Instrument ID: MH
 Method: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 14-Jun-2021 14:22:13 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 14-Jun-2021 14:22:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.353	9.353	0.000	91	110005	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.529	11.529	0.000	96	456577	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.217	16.217	0.000	93	367087	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.860	17.891	-0.031	91	283132	4.64	4.47	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 14-Jun-2021 14:22:13

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\H500BF13.D

Injection Date: 13-Jun-2021 09:46:30

Instrument ID: MH

Operator ID: HMT

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 500.000 mL

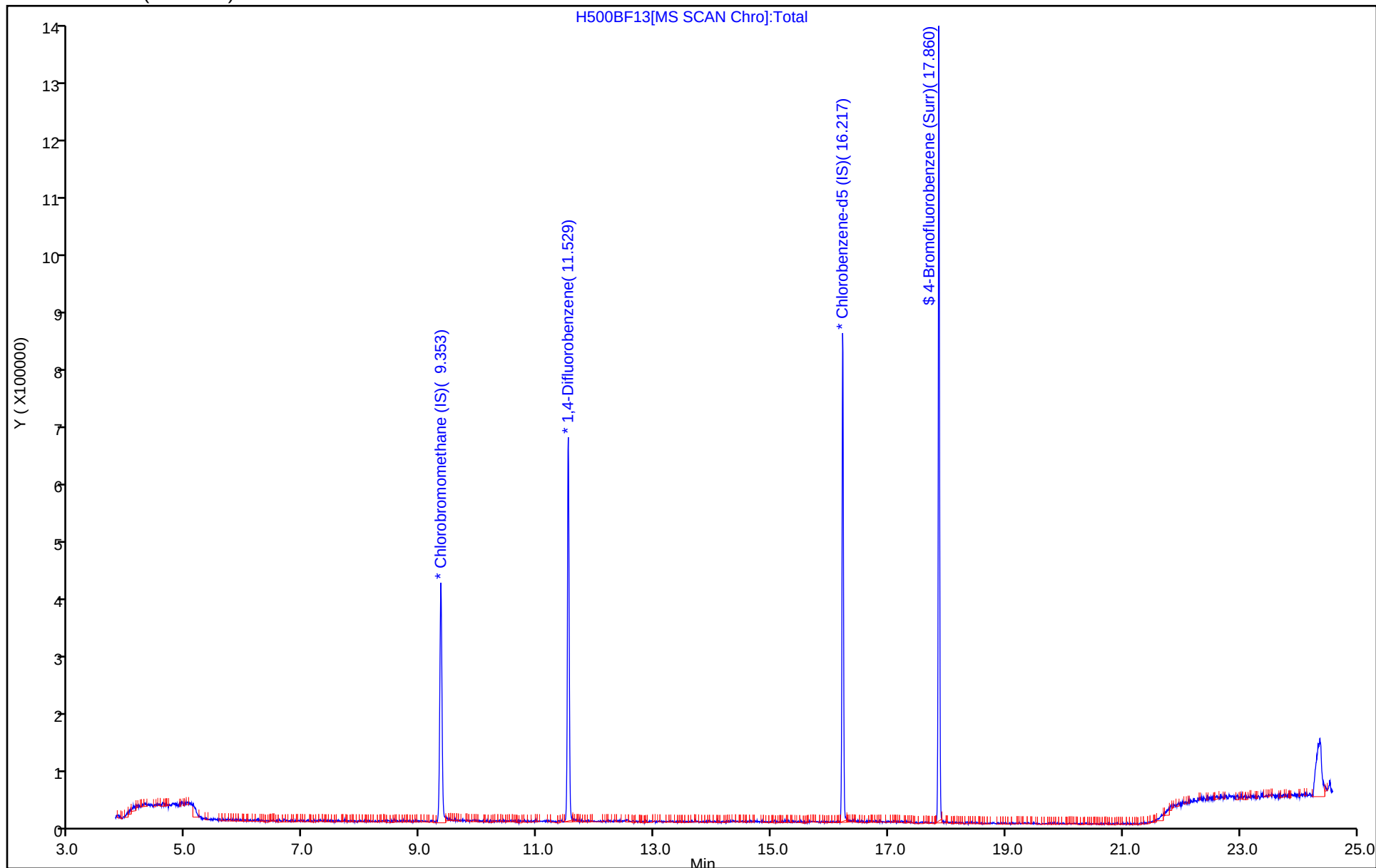
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\H500BF13.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 13-Jun-2021 09:46:30 ALS Bottle#: 16 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0019547-004
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MH
Method: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Jun-2021 14:22:13 Calib Date: 22-May-2021 17:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 14-Jun-2021 14:22:13

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.47	96.30

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 140-50650/1002
 Matrix: Air Lab File ID: SF10CCV-LCS.d
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 05:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	2.14		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.17		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	2.08		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	2.18		0.080	
75-34-3	1,1-Dichloroethane	98.96	2.10		0.080	
75-35-4	1,1-Dichloroethene	96.94	2.11		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	1.92		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	2.17		0.080	
106-93-4	1,2-Dibromoethane	187.87	2.14		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	2.07		0.080	
107-06-2	1,2-Dichloroethane	98.96	2.18		0.080	
78-87-5	1,2-Dichloropropane	112.99	2.18		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.09		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.52		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	2.04		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	2.03		0.080	
123-91-1	1,4-Dioxane	88.11	1.97		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	2.25		0.20	
78-93-3	2-Butanone	72.11	1.95		0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	2.21		0.20	
71-43-2	Benzene	78.11	2.13		0.080	
100-44-7	Benzyl chloride	126.58	2.20		0.16	
75-27-4	Bromodichloromethane	163.83	2.21		0.080	
75-25-2	Bromoform	252.75	2.45		0.080	
74-83-9	Bromomethane	94.94	2.13		0.080	
56-23-5	Carbon tetrachloride	153.81	2.37		0.032	
108-90-7	Chlorobenzene	112.56	2.11		0.080	
75-00-3	Chloroethane	64.52	2.18		0.080	
67-66-3	Chloroform	119.38	2.11		0.080	
74-87-3	Chloromethane	50.49	2.13		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	2.21		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	2.25		0.080	
110-82-7	Cyclohexane	84.16	2.26		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 140-50650/1002
 Matrix: Air Lab File ID: SF10CCV-LCS.d
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/10/2021 05:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50650 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	2.22		0.080	
75-71-8	Dichlorodifluoromethane	120.91	2.17		0.080	
64-17-5	Ethanol	46.07	7.81		2.0	
100-41-4	Ethylbenzene	106.17	2.19		0.080	
87-68-3	Hexachlorobutadiene	260.76	1.97		0.080	
110-54-3	Hexane	86.17	2.13		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	2.23		0.16	
75-09-2	Methylene Chloride	84.93	2.05		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	4.47		0.080	
91-20-3	Naphthalene	128.17	1.69		0.20	
95-47-6	o-Xylene	106.17	2.19		0.080	
100-42-5	Styrene	104.15	2.25		0.080	
75-65-0	t-Butyl alcohol	74.12	2.06		0.32	
127-18-4	Tetrachloroethene	165.83	2.05		0.080	
108-88-3	Toluene	92.14	2.16		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	2.14		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	2.24		0.080	
79-01-6	Trichloroethene	131.39	2.08		0.036	
75-69-4	Trichlorofluoromethane	137.37	2.13		0.080	
75-01-4	Vinyl chloride	62.50	2.22		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10CCV-LCS.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 10-Jun-2021 05:10:30 ALS Bottle#: 7 Worklist Smp#: 1002
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019526-002
 Misc. Info.: S145 100ML
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 11-Jun-2021 12:37:30 Calib Date: 09-Jun-2021 23:44:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 12:37:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.228	9.228	0.000	98	211142	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.401	11.401	0.000	94	1057832	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.071	16.071	0.000	86	931560	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.717	17.717	0.000	97	682141	4.64	4.74	
6 Chlorodifluoromethane	51	3.816	3.816	0.000	96	253514	2.00	2.13	
7 Propene	41	3.827	3.827	0.000	99	105835	2.00	2.09	
8 Dichlorodifluoromethane	85	3.881	3.881	0.000	100	362892	2.00	2.17	
9 Chloromethane	52	4.080	4.080	0.000	98	52623	2.00	2.13	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.085	4.085	0.000	88	324900	2.00	2.09	
11 Acetaldehyde	44	4.241	4.241	0.000	88	272397	10.0	7.84	
12 Vinyl chloride	62	4.262	4.262	0.000	98	175103	2.00	2.22	
14 Butane	43	4.359	4.359	0.000	85	215143	2.00	2.38	
13 Butadiene	54	4.359	4.359	0.000	68	129588	2.00	2.35	
15 Bromomethane	94	4.709	4.709	0.000	98	140272	2.00	2.13	
16 Chloroethane	64	4.860	4.860	0.000	96	58012	2.00	2.18	
17 Ethanol	31	4.940	4.940	0.000	88	147804	10.0	7.81	
18 Vinyl bromide	106	5.182	5.182	0.000	99	147685	2.00	2.20	
19 2-Methylbutane	43	5.236	5.236	0.000	92	165865	2.00	2.24	
20 Trichlorofluoromethane	101	5.473	5.473	0.000	99	352025	2.00	2.13	
21 Acrolein	56	5.478	5.478	0.000	35	54920	2.00	2.32	
22 Acetonitrile	40	5.543	5.543	0.000	100	52125	2.00	1.96	
23 Acetone	58	5.591	5.591	0.000	96	73491	2.00	1.66	
24 Isopropyl alcohol	45	5.677	5.677	0.000	95	200675	2.00	2.40	
25 Pentane	72	5.704	5.704	0.000	96	15400	2.00	2.23	
26 Ethyl ether	31	5.876	5.876	0.000	94	127615	2.00	2.26	
27 1,1-Dichloroethene	96	6.221	6.221	0.000	95	127608	2.00	2.11	
29 2-Methyl-2-propanol	59	6.301	6.301	0.000	93	232985	2.00	2.06	
28 Acrylonitrile	53	6.323	6.323	0.000	94	113560	2.00	2.13	
30 112TCTFE	101	6.404	6.404	0.000	98	307392	2.00	2.18	
31 Methylene Chloride	84	6.586	6.586	0.000	98	122327	2.00	2.05	
32 3-Chloro-1-propene	39	6.608	6.608	0.000	94	105207	2.00	2.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	6.764	6.764	0.000	98	380872	2.00	2.07	
34 trans-1,2-Dichloroethene	96	7.436	7.436	0.000	94	127312	2.00	2.14	
35 2-Methylpentane	43	7.447	7.447	0.000	96	282083	2.00	1.99	
36 Methyl tert-butyl ether	73	7.544	7.544	0.000	97	332019	2.00	2.23	
37 1,1-Dichloroethane	63	7.872	7.872	0.000	99	272940	2.00	2.10	
38 Vinyl acetate	43	7.964	7.964	0.000	100	315695	2.00	2.33	
39 2-Butanone (MEK)	72	8.421	8.421	0.000	98	58956	2.00	1.95	
40 Hexane	56	8.464	8.464	0.000	88	110513	2.00	2.13	
41 Isopropyl ether	45	8.609	8.609	0.000	98	481599	2.00	2.28	
42 cis-1,2-Dichloroethene	96	8.884	8.884	0.000	98	137972	2.00	2.21	
43 Ethyl acetate	43	9.056	9.056	0.000	99	288965	2.00	2.06	
44 Chloroform	83	9.239	9.239	0.000	96	288252	2.00	2.11	
45 Tert-butyl ethyl ether	59	9.303	9.303	0.000	94	425462	2.00	2.10	
46 Tetrahydrofuran	42	9.626	9.626	0.000	95	148122	2.00	2.23	
47 1,1,1-Trichloroethane	97	10.282	10.282	0.000	97	266539	2.00	2.14	
48 1,2-Dichloroethane	62	10.390	10.390	0.000	96	191551	2.00	2.18	
49 n-Butanol	31	10.799	10.799	0.000	86	37850	2.00	1.98	
50 Cyclohexane	69	10.874	10.874	0.000	88	62904	2.00	2.26	
51 Benzene	78	10.874	10.874	0.000	97	428452	2.00	2.13	
52 Carbon tetrachloride	117	10.895	10.895	0.000	98	300416	2.00	2.37	
53 2,3-Dimethylpentane	71	10.982	10.982	0.000	93	83269	2.00	2.21	
54 Thiophene	84	11.148	11.148	0.000	97	234960	2.00	2.13	
55 Isooctane	57	11.616	11.616	0.000	98	783072	2.00	2.25	
56 n-Heptane	71	11.977	11.977	0.000	90	128879	2.00	2.28	
57 1,2-Dichloropropane	63	12.074	12.074	0.000	97	197064	2.00	2.18	
58 Trichloroethene	130	12.106	12.106	0.000	96	185428	2.00	2.08	
59 Dibromomethane	93	12.197	12.197	0.000	95	182286	2.00	2.11	
60 Dichlorobromomethane	83	12.332	12.332	0.000	99	290956	2.00	2.21	
61 1,4-Dioxane	88	12.332	12.332	0.000	38	54212	2.00	1.97	
62 Methyl methacrylate	41	12.407	12.407	0.000	95	170744	2.00	2.24	
63 Methylcyclohexane	83	12.864	12.864	0.000	94	300688	2.00	2.49	
64 4-Methyl-2-pentanone (MIBK)	43	13.246	13.246	0.000	96	322451	2.00	2.21	
65 cis-1,3-Dichloropropene	75	13.316	13.316	0.000	93	234327	2.00	2.25	
66 trans-1,3-Dichloropropene	75	14.000	14.000	0.000	98	199611	2.00	2.24	
67 Toluene	91	14.123	14.123	0.000	92	516329	2.00	2.16	
68 1,1,2-Trichloroethane	83	14.199	14.199	0.000	96	165843	2.00	2.08	
69 2-Hexanone	58	14.559	14.559	0.000	94	173379	2.00	2.19	
70 n-Octane	85	14.790	14.790	0.000	93	135846	2.00	2.30	
71 Chlorodibromomethane	129	14.898	14.898	0.000	98	319430	2.00	2.22	
72 Ethylene Dibromide	107	15.183	15.183	0.000	98	291682	2.00	2.14	
73 Tetrachloroethene	129	15.253	15.253	0.000	98	197779	2.00	2.05	
75 Chlorobenzene	112	16.119	16.119	0.000	91	430869	2.00	2.11	
74 2,3-Dimethylheptane	43	16.119	16.119	0.000	95	458681	2.00	2.03	
76 Ethylbenzene	91	16.399	16.399	0.000	98	649802	2.00	2.19	
77 m-Xylene & p-Xylene	91	16.555	16.555	0.000	97	1066266	4.00	4.47	
78 n-Nonane	57	16.958	16.958	0.000	91	372978	2.00	2.32	
79 Bromoform	173	17.023	17.023	0.000	98	377457	2.00	2.45	
80 Styrene	104	17.028	17.028	0.000	98	397800	2.00	2.25	
81 o-Xylene	91	17.087	17.087	0.000	100	533253	2.00	2.19	
82 1,1,2,2-Tetrachloroethane	83	17.416	17.416	0.000	98	412518	2.00	2.17	
83 1,2,3-Trichloropropane	110	17.577	17.577	0.000	97	88580	2.00	2.18	
84 Isopropylbenzene	105	17.679	17.679	0.000	95	761247	2.00	2.25	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	18.212	18.212	0.000	99	207732	2.00	2.29	
86 2-Chlorotoluene	126	18.260	18.260	0.000	97	199761	2.00	2.22	
87 4-Ethyltoluene	105	18.357	18.357	0.000	99	734200	2.00	2.11	
88 1,3,5-Trimethylbenzene	120	18.432	18.432	0.000	92	343556	2.00	2.52	
89 Alpha Methyl Styrene	118	18.658	18.658	0.000	89	301349	2.00	2.15	
90 n-Decane	57	18.701	18.701	0.000	87	507799	2.00	2.30	
91 tert-Butylbenzene	119	18.852	18.852	0.000	93	686080	2.00	2.20	
92 1,2,4-Trimethylbenzene	105	18.863	18.863	0.000	96	672625	2.00	2.17	
93 sec-Butylbenzene	105	19.115	19.115	0.000	99	982807	2.00	2.18	
94 1,3-Dichlorobenzene	146	19.137	19.137	0.000	97	482511	2.00	2.04	
95 Benzyl chloride	91	19.212	19.212	0.000	98	477620	2.00	2.20	
96 1,4-Dichlorobenzene	146	19.223	19.223	0.000	97	473627	2.00	2.03	
97 4-Isopropyltoluene	119	19.277	19.277	0.000	98	771734	2.00	2.15	
98 1,2,3-Trimethylbenzene	105	19.331	19.331	0.000	98	503178	2.00	1.62	
99 Butylcyclohexane	83	19.379	19.379	0.000	93	515681	2.00	2.11	
100 2,3-Dihydroindene	117	19.578	19.578	0.000	94	653027	2.00	2.19	
101 1,2-Dichlorobenzene	146	19.584	19.584	0.000	98	490248	2.00	2.07	
102 n-Butylbenzene	91	19.702	19.702	0.000	98	830656	2.00	2.22	
103 Indene	116	19.707	19.707	0.000	91	477097	2.00	1.97	
104 Undecane	57	19.998	19.998	0.000	93	578338	2.00	2.30	
105 1,2-Dibromo-3-Chloropropane	157	20.175	20.175	0.000	95	187091	2.00	1.87	
106 1,2,4,5-Tetramethylbenzene	119	20.455	20.455	0.000	97	708137	2.00	2.01	
107 Dodecane	57	21.074	21.074	0.000	95	560360	2.00	2.13	
108 1,2,4-Trichlorobenzene	180	21.305	21.305	0.000	93	355925	2.00	1.92	
109 Naphthalene	128	21.456	21.456	0.000	99	743751	2.00	1.69	
110 Hexachlorobutadiene	225	21.644	21.644	0.000	91	556362	2.00	1.97	
111 1,2,3-Trichlorobenzene	180	21.708	21.708	0.000	94	391711	2.00	1.99	
112 2-Methylnaphthalene	142	22.263	22.263	0.000	98	161693	2.00	1.64	
113 1-Methylnaphthalene	142	22.386	22.386	0.000	99	184548	2.00	1.69	
A 115 C8 Range	1	14.785	(14.737-14.833)		0	1414103	2.00	2.24	
S 116 Xylenes, Total	100				0		6.00	6.66	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.35	
T 141 2-Methylthiophene TIC	97	14.279	14.279	0.000	96	404165	2.00	2.08	
T 142 3-Methylthiophene TIC	97	14.478	14.478	0.000	98	401972	2.00	2.07	
T 144 2-Ethylthiophene TIC	97	16.501	16.501	0.000	61	483590	2.00	2.49	
T 149 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.073	20.073	0.000	97	586770	2.00	3.02	
T 150 1,2,3,5-Tetramethylbenzene TIC	119	20.514	20.514	0.000	95	427941	2.00	2.21	
T 151 1,2,3,4-Tetramethylbenzene TIC	119	20.928	20.928	0.000	97	565759	2.00	2.92	
T 152 Benzo(b)thiophene TIC	134	21.558	21.558	0.000	100	423199	2.00	2.18	

QC Flag Legend

Processing Flags

Reagents:

40CV101S_00145

Amount Added: 100.00

Units: ml

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 11-Jun-2021 12:37:33

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10CCV-LCS.d

Injection Date: 10-Jun-2021 05:10:30

Instrument ID: MS

Operator ID: HMT

Lims ID: LCS

Worklist Smp#: 1002

Client ID:

Purge Vol: 500.000 mL

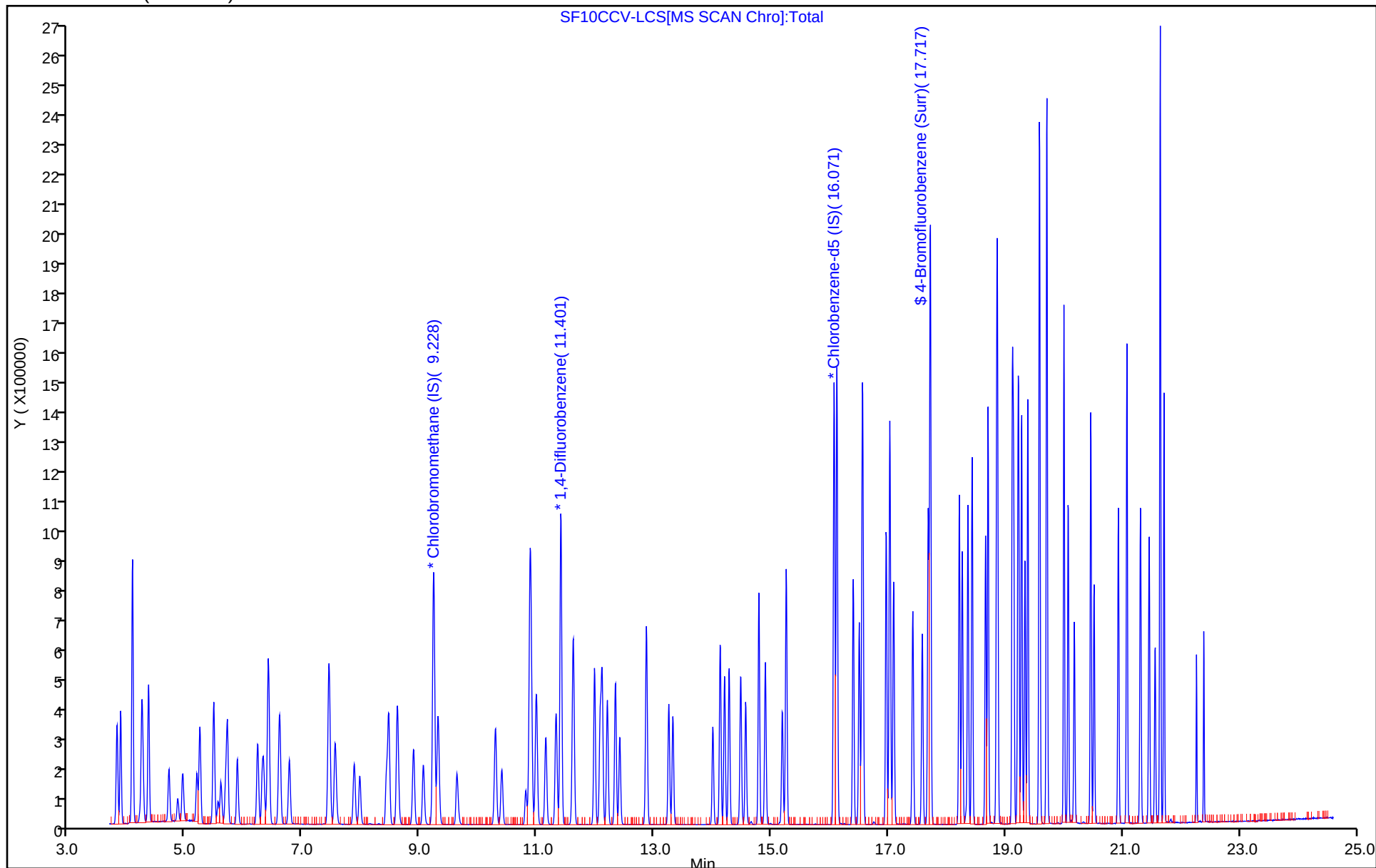
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins Environment Testing America
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\SF10CCV-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Jun-2021 05:10:30 ALS Bottle#: 7 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0019526-002
Misc. Info.: S145 100ML
Operator ID: HMT Instrument ID: MS
Method: \\chromfs\Knoxville\ChromData\MS\20210609-19526.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jun-2021 12:37:30 Calib Date: 09-Jun-2021 23:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210609-19525.b\SF09IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1674

First Level Reviewer: khachitpongpanits

Date: 11-Jun-2021 12:37:30

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.74	102.25

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 140-50713/1002
 Matrix: Air Lab File ID: HCCVF13-LCS.d
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 06/13/2021 07:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 50713 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	12.2		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	125		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HCCVF13-LCS.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 13-Jun-2021 07:49:30 ALS Bottle#: 11 Worklist Smp#: 1002
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019547-002
 Misc. Info.: P141 100ML
 Operator ID: HMT Instrument ID: MH
 Method: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\MH_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 14-Jun-2021 14:17:43 Calib Date: 22-May-2021 17:53:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 14-Jun-2021 14:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.353	9.353	0.000	91	111155	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.529	11.529	0.000	96	497228	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.217	16.217	0.000	92	419936	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.891	17.891	0.000	93	421575	4.64	5.82	
6 Chlorodifluoromethane	51	3.849	3.849	0.000	99	128642	2.00	2.82	
7 Propene	41	3.859	3.859	0.000	95	39879	2.00	2.00	
8 Dichlorodifluoromethane	85	3.916	3.916	0.000	98	235926	2.00	2.82	
9 Chloromethane	52	4.118	4.118	0.000	88	16786	2.00	2.35	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.123	4.123	0.000	89	158331	2.00	2.64	
11 Acetaldehyde	44	4.283	4.283	0.000	81	97891	10.0	10.4	
12 Vinyl chloride	62	4.304	4.304	0.000	95	48219	2.00	1.96	
14 Butadiene	54	4.397	4.397	0.000	73	32644	2.00	1.86	
13 Butane	43	4.397	4.397	0.000	74	69946	2.00	1.89	
15 Bromomethane	94	4.764	4.764	0.000	92	61292	2.00	2.16	
16 Chloroethane	64	4.914	4.914	0.000	83	21293	2.00	2.16	
17 Ethanol	31	5.002	5.002	0.000	89	144097	10.0	12.2	
18 Vinyl bromide	106	5.244	5.244	0.000	93	54962	2.00	1.94	
19 2-Methylbutane	43	5.296	5.296	0.000	87	54725	2.00	2.08	
20 Trichlorofluoromethane	101	5.534	5.534	0.000	97	253340	2.00	2.99	
21 Acrolein	56	5.560	5.560	0.000	75	11098	2.00	1.49	
22 Acetonitrile	40	5.627	5.627	0.000	90	28376	2.00	2.94	
23 Acetone	58	5.668	5.668	0.000	99	79684	6.00	7.44	
25 Isopropyl alcohol	45	5.746	5.746	0.000	95	198116	6.00	6.63	
24 Pentane	72	5.777	5.777	0.000	91	5118	2.00	2.00	
26 Ethyl ether	31	5.952	5.952	0.000	81	52293	2.00	2.12	
27 1,1-Dichloroethene	96	6.309	6.309	0.000	92	43184	2.00	1.73	
29 2-Methyl-2-propanol	59	6.387	6.387	0.000	93	72714	2.00	2.36	
28 Acrylonitrile	53	6.418	6.418	0.000	87	31599	2.00	2.01	
30 112TCTFE	101	6.480	6.480	0.000	94	152808	2.00	2.34	
31 Methylene Chloride	84	6.686	6.686	0.000	90	49464	2.00	1.90	
32 3-Chloro-1-propene	39	6.692	6.692	0.000	83	57227	2.00	2.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	6.862	6.862	0.000	93	144180	2.00	2.11	
34 trans-1,2-Dichloroethene	96	7.534	7.534	0.000	91	43310	2.00	1.84	
35 2-Methylpentane	43	7.544	7.544	0.000	88	100971	2.00	2.30	
36 Methyl tert-butyl ether	73	7.648	7.648	0.000	88	112518	2.00	2.41	
37 1,1-Dichloroethane	63	7.978	7.978	0.000	97	106268	2.00	2.30	
38 Vinyl acetate	43	8.077	8.077	0.000	98	112025	2.00	2.12	
39 2-Butanone (MEK)	72	8.542	8.542	0.000	96	19197	2.00	1.90	
40 Hexane	56	8.563	8.563	0.000	81	36972	2.00	2.37	
41 Isopropyl ether	45	8.723	8.723	0.000	87	152267	2.00	2.38	
42 cis-1,2-Dichloroethene	96	9.012	9.012	0.000	97	42556	2.00	1.75	
43 Ethyl acetate	43	9.172	9.172	0.000	95	123033	2.00	2.39	
44 Chloroform	83	9.358	9.358	0.000	90	164057	2.00	2.68	
45 Tert-butyl ethyl ether	59	9.420	9.420	0.000	95	134149	2.00	2.52	
46 Tetrahydrofuran	42	9.762	9.762	0.000	84	52591	2.00	2.36	
47 1,1,1-Trichloroethane	97	10.413	10.413	0.000	95	164988	2.00	2.86	
48 1,2-Dichloroethane	62	10.526	10.526	0.000	97	110538	2.00	2.91	
49 n-Butanol	31	10.919	10.919	0.000	84	19304	2.00	2.30	
50 Cyclohexane	69	10.997	10.997	0.000	70	20069	2.00	2.27	
51 Benzene	78	11.002	11.002	0.000	93	150062	2.00	2.20	
52 Carbon tetrachloride	117	11.023	11.023	0.000	93	228309	2.00	3.15	
53 2,3-Dimethylpentane	71	11.100	11.100	0.000	79	26533	2.00	2.20	
54 Thiophene	84	11.276	11.276	0.000	90	83251	2.00	2.13	
55 Isooctane	57	11.731	11.731	0.000	90	216825	2.00	2.25	
56 n-Heptane	71	12.098	12.098	0.000	89	37472	2.00	2.07	
57 1,2-Dichloropropane	63	12.206	12.206	0.000	74	63682	2.00	2.08	
58 Trichloroethene	130	12.232	12.232	0.000	89	89903	2.00	2.29	
59 Dibromomethane	93	12.330	12.330	0.000	93	104541	2.00	2.56	
60 Dichlorobromomethane	83	12.465	12.465	0.000	95	177475	2.00	2.85	
61 1,4-Dioxane	88	12.470	12.470	0.000	37	15969	2.00	1.71	
62 Methyl methacrylate	41	12.537	12.537	0.000	82	79866	2.00	2.66	
63 Methylcyclohexane	83	12.997	12.997	0.000	84	71848	2.00	1.74	
64 4-Methyl-2-pentanone (MIBK)	43	13.374	13.374	0.000	94	141885	2.00	2.58	
65 cis-1,3-Dichloropropene	75	13.447	13.447	0.000	92	93259	2.00	2.44	
66 trans-1,3-Dichloropropene	75	14.139	14.139	0.000	89	68846	2.00	2.14	
67 Toluene	91	14.258	14.258	0.000	90	184137	2.00	1.96	
68 1,1,2-Trichloroethane	83	14.336	14.336	0.000	87	74914	2.00	2.25	
69 2-Hexanone	58	14.692	14.692	0.000	86	46134	2.00	2.06	
70 n-Octane	85	14.914	14.914	0.000	90	42673	2.00	1.94	
71 Chlorodibromomethane	129	15.038	15.038	0.000	95	204521	2.00	2.65	
72 Ethylene Dibromide	107	15.328	15.328	0.000	94	122970	2.00	2.12	
73 Tetrachloroethene	129	15.390	15.390	0.000	89	96982	2.00	2.33	
75 2,3-Dimethylheptane	43	16.253	16.253	0.000	89	240824	2.00	2.75	
74 Chlorobenzene	112	16.269	16.269	0.000	92	196594	2.00	2.28	
76 Ethylbenzene	91	16.548	16.548	0.000	99	249422	2.00	1.95	
77 m-Xylene & p-Xylene	91	16.703	16.703	0.000	99	482906	4.00	4.50	
78 n-Nonane	57	17.111	17.111	0.000	87	112337	2.00	2.11	
79 Bromoform	173	17.189	17.189	0.000	92	272648	2.00	2.19	
80 Styrene	104	17.189	17.189	0.000	79	152527	2.00	2.17	
81 o-Xylene	91	17.251	17.251	0.000	96	251996	2.00	2.19	
82 1,1,2,2-Tetrachloroethane	83	17.586	17.586	0.000	94	172925	2.00	1.93	
83 1,2,3-Trichloropropane	110	17.757	17.757	0.000	91	46676	2.00	2.44	
84 Isopropylbenzene	105	17.850	17.850	0.000	98	299453	2.00	2.33	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	18.388	18.388	0.000	97	74188	2.00	2.09	
86 2-Chlorotoluene	126	18.444	18.444	0.000	98	90463	2.00	2.20	
87 4-Ethyltoluene	105	18.537	18.537	0.000	98	335420	2.00	2.36	
88 1,3,5-Trimethylbenzene	120	18.610	18.610	0.000	89	132396	2.00	2.04	
89 Alpha Methyl Styrene	118	18.842	18.842	0.000	84	108944	2.00	1.65	
90 n-Decane	57	18.879	18.879	0.000	86	199693	2.00	2.29	
91 tert-Butylbenzene	119	19.039	19.039	0.000	86	345394	2.00	2.52	
92 1,2,4-Trimethylbenzene	105	19.049	19.049	0.000	96	363123	2.00	2.46	
93 sec-Butylbenzene	105	19.308	19.308	0.000	97	455017	2.00	2.47	
94 1,3-Dichlorobenzene	146	19.333	19.333	0.000	98	266473	2.00	2.45	
95 Benzyl chloride	91	19.406	19.406	0.000	96	275422	2.00	2.57	
96 1,4-Dichlorobenzene	146	19.416	19.416	0.000	93	256912	2.00	2.49	
97 4-Isopropyltoluene	119	19.468	19.468	0.000	94	418516	2.00	2.39	
98 1,2,3-Trimethylbenzene	105	19.525	19.525	0.000	99	356294	2.00	2.37	
99 Butylcyclohexane	83	19.571	19.571	0.000	88	271493	2.00	2.60	
101 2,3-Dihydroindene	117	19.778	19.778	0.000	90	333862	2.00	2.65	
100 1,2-Dichlorobenzene	146	19.783	19.783	0.000	96	285780	2.00	2.57	
103 n-Butylbenzene	91	19.902	19.902	0.000	94	508525	2.00	2.76	
102 Indene	116	19.907	19.907	0.000	86	272464	2.00	2.29	
104 Undecane	57	20.191	20.191	0.000	85	252548	2.00	2.32	
105 1,2-Dibromo-3-Chloropropane	157	20.388	20.388	0.000	91	149726	2.00	2.43	
106 1,2,4,5-Tetramethylbenzene	119	20.672	20.672	0.000	95	384831	2.00	2.34	
107 Dodecane	57	21.297	21.297	0.000	83	243989	2.00	2.09	
108 1,2,4-Trichlorobenzene	180	21.540	21.540	0.000	93	235193	2.00	2.70	
109 Naphthalene	128	21.669	21.669	0.000	98	360906	2.00	2.35	
110 Hexachlorobutadiene	225	21.830	21.830	0.000	91	345005	2.00	2.62	
111 1,2,3-Trichlorobenzene	180	21.892	21.892	0.000	93	193738	2.00	2.14	
112 2-Methylnaphthalene	142	22.429	22.429	0.000	97	134798	2.00	1.78	
113 1-Methylnaphthalene	142	22.548	22.548	0.000	94	219282	2.00	2.45	
A 115 C8 Range	1	14.914	(14.863-14.956)		0	700778	2.00	2.82	
S 116 Xylenes, Total	100				0		6.00	6.69	
S 117 1,2-Dichloroethene, Total	1				0		4.00	3.59	

QC Flag Legend

Processing Flags

Reagents:

40CV101P_00141

Amount Added: 100.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 14-Jun-2021 14:17:45

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HCCVF13-LCS.d

Injection Date: 13-Jun-2021 07:49:30

Instrument ID: MH

Operator ID: HMT

Lims ID: LCS

Worklist Smp#: 1002

Client ID:

Purge Vol: 500.000 mL

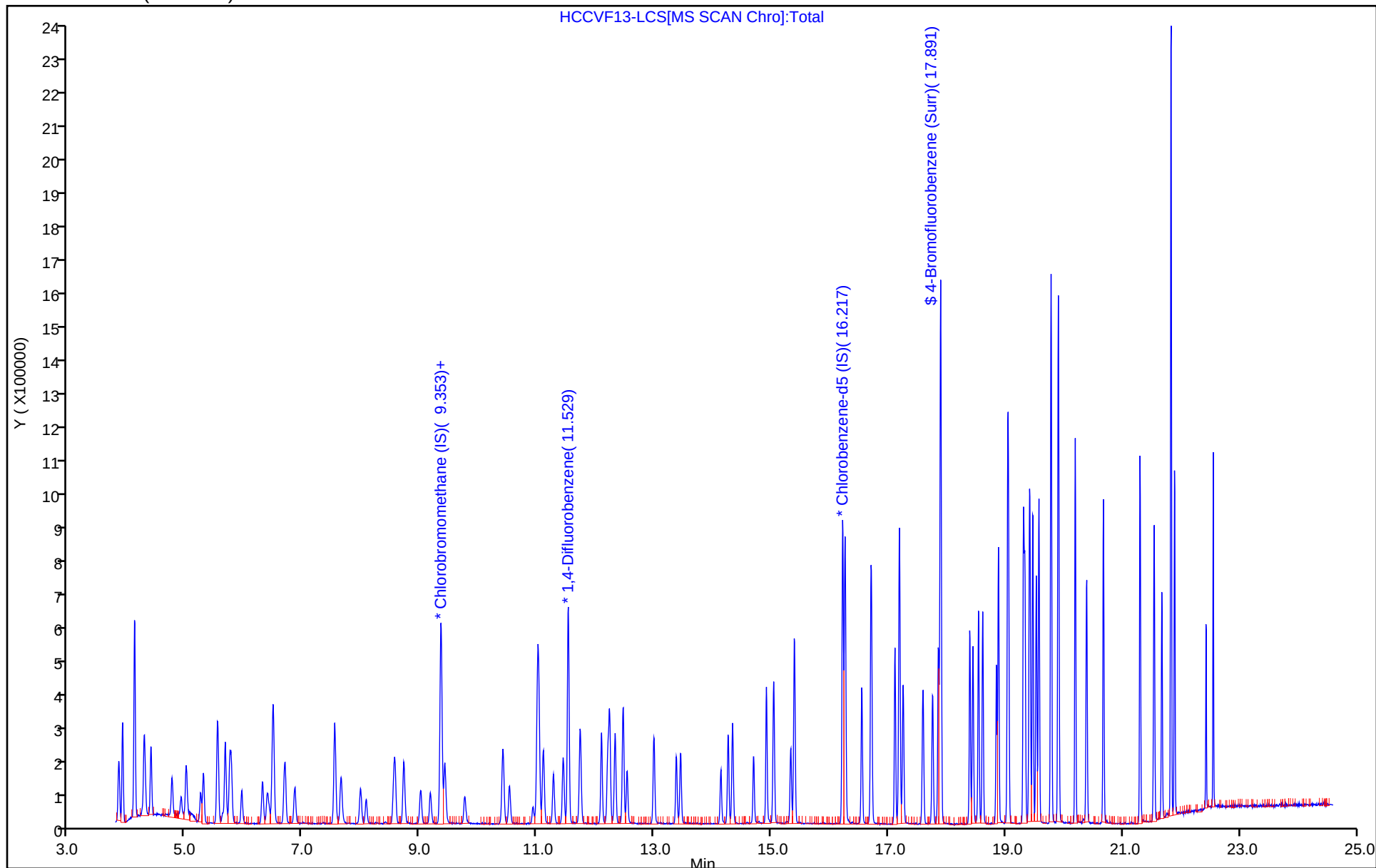
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: MH_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins Environment Testing America
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\HCCVF13-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 13-Jun-2021 07:49:30 ALS Bottle#: 11 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0019547-002
Misc. Info.: P141 100ML
Operator ID: HMT Instrument ID: MH
Method: \\chromfs\Knoxville\ChromData\MH\20210611-19547.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Jun-2021 14:17:43 Calib Date: 22-May-2021 17:53:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210521-19329.b\HE22IC07.D
Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 14-Jun-2021 14:17:43

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	5.82	125.34

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1

SDG No.: _____

Instrument ID: MH Start Date: 05/22/2021 08:01Analysis Batch Number: 50074 End Date: 05/22/2021 21:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-50074/1		05/22/2021 08:01	1	HE22BFBB.D	RTX-5 0.32 (mm)
IC 140-50074/3		05/22/2021 09:12	1	HE22IC10B.D	RTX-5 0.32 (mm)
IC 140-50074/5		05/22/2021 10:37	1	HE22C09.D	RTX-5 0.32 (mm)
IC 140-50074/7		05/22/2021 12:03	1	HE22C08.D	RTX-5 0.32 (mm)
IC 140-50074/9		05/22/2021 13:29	1	HE22C01.D	RTX-5 0.32 (mm)
IC 140-50074/10		05/22/2021 14:11	1	HE22C02.D	RTX-5 0.32 (mm)
140-22498-A-5 MDLV		05/22/2021 14:11	1		RTX-5 0.32 (mm)
IC 140-50074/11		05/22/2021 14:54	1	HE22C03.D	RTX-5 0.32 (mm)
140-22498-A-6 MDLV		05/22/2021 14:54	1		RTX-5 0.32 (mm)
IC 140-50074/12		05/22/2021 15:37	1	HE22IC04.D	RTX-5 0.32 (mm)
140-22498-A-7 MDLV		05/22/2021 15:37	1		RTX-5 0.32 (mm)
IC 140-50074/13		05/22/2021 16:23	1	HE22IC05.D	RTX-5 0.32 (mm)
140-22498-A-8 MDLV		05/22/2021 16:23	1		RTX-5 0.32 (mm)
IC 140-50074/14		05/22/2021 17:08	1	HE22IC06.D	RTX-5 0.32 (mm)
ICIS 140-50074/15		05/22/2021 17:53	1	HE22IC07.D	RTX-5 0.32 (mm)
ICV 140-50074/17		05/22/2021 19:22	1	HE22ICV.D	RTX-5 0.32 (mm)
ZZZZZ		05/22/2021 21:38	1		RTX-5 0.32 (mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Initial Calibration Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 22 & KNOX-MS-0023, Rev 5

Analysis Date:	5/22/21	Instrument:	MH	Chrom WL #:	19329	TALS Batch & Event #	TO14/15: 50074/3090	DOD5: 50077/3093
							DOD: 50075/3091	OHIO: 50076/3092

Chrom/Worklist Review	1 st	Comments	2 nd
1. Re-read each Limit Group [method editor-limit groups]	✓		na
2. Verify LODV in Chrom [method editor -> edit -> MDL]	✓		na
3. Are the reagents and init/final volumes correct and first level "unlock/clear"? (Verify reagents & amt. injected at each level) [WL Sample Reagents Tab vs. Entech]	✓		
4. Files linked properly to calibration levels? [Sample List- Lab ID vs. Info]	✓		
5. Did BFB meet tune criteria? [F8]	✓		
6. Were all standards injected within 24 hr of BFB? [F7]	✓		
7. High point checked for saturation and point removed if so? [Chrom]	✓		
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]	NA		
9. RT for each IS +20 sec avg. RT? [F6 IstdRec]	✓		
10. Area for each IS + 40% avg. area? [F6 IstdRec]	✓		
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]	✓		
12. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		
• 2-methyl butane / acrolein	✓		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		
• vinyl acetate / hexane	✓		
• cis- and trans- isomers	✓		
• ethyl benzene / m/p-xylene / o-xylene	✓		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/ sec-butylbenzene/1,2,3-trimethylbenzene	✓		
• tert-butylbenzene/4-isopropyltoluene	✓		
• 1,3-, 1,4-, and 1,2-dichlorobenzene	✓		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	✓	in ICV	
• 1,2,4- and 1,2,3-trichlorobenzenes	✓		
• 2-, and 1-methylnaphthalene	✓		
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?	✓		

MLG Review	TO	DOD	OH	Comments	TO-	DOD	OH
14. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%) 1 & 2 methylnaphthalene ≤ 50% <i>n-naphthalene & α-methyl styrene</i> [F6 S]	✓	✓	✓	DOD5 PNU naphthalene			
15. Were at least 5 levels of each compound analyzed? [F6]	✓	✓	✓				
16. Is low level std at or <RL and are the remaining points consec.? [F6]	✓	✓	✓				
17. At least 6 consec. points used for quad curves; at least 5 consec. points for linear curves? (Note: Ohio does not allow quad) [F6]	✓	✓	✓				
18. If curves were used, is correlation coefficient ≥ 0.990? [F6]	✓	✓	✓				
19. Is the intercept less than the RL for each curve? [F6]	✓	✓	✓				
20. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous. [Cntrl-C. details]	✓	NA	na				na
21. Is low point RSE ≤ 50 %? [F6]	✓	✓	✓				
22. Is the second source analysis within limits? [F8 - icv]	✓	✓	✓				

Analyst/Date:	2nd Level Reviewer/Date:
AKS 5/24/21	

TALS Review	TO	DOD	OH	Comments	TO	DOD	OH
23. Upload ICAL		✓			na	na	na
24. Graphics uploaded? [paperclip]	✓	✓	✓				
25. All points are in the most recent active calibration event? [Calibration Events - 'Fix ICAL linkage' if needed]	✓	✓	✓				
26. Runs linked to BFB? [QC Links]	✓	✓	✓				
27. Run Checklist and acknowledge findings [F8]	✓	✓	✓				
28. If criteria not met, was a NCM generated?	NA	NA	NA				
29. After review in TALS, approve the method in TALS.	na	na	na				
30. After verifying TALS is correct, lock method in Chrom. <resolve any error issues>	na	na	na				
31. Checklist & Entech report scanned, attached & assigned properly?	na	na	na				

Analyst/date:	2nd Level Reviewer/date:
AKS 5/24/21	
Comments:	Comments:

Eurofins/TestAmerica Knoxville GC/MS Air - Initial Calibration Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

Analysis Date:	5/22/21	Instrument:	MH	Chrom WL #:	19329	TALS Batch & Event #	TO14/15: 50074/3090		DOD5: 50077/3093				
							DOD: 50075/3091		OHIO: 50076/3092				
Chrom/Worklist Review							1 st	Comments			2 nd		
1. Re-read each Limit Group [method editor-limit groups]											na		
2. Verify LODV in Chrom [method editor -> edit -> MDL]											na		
3. Are the reagents and init/final volumes correct and first level "unlock/clear"? (Verify reagents & amt. injected at each level) [WL Sample Reagents Tab vs. Entech]											Y		
4. Files linked properly to calibration levels? [Sample List- Lab ID vs. Info]											Y		
5. Did BFB meet tune criteria? [F8]											Y		
6. Were all standards injected within 24 hr of BFB? [F7]											Y		
7. High point checked for saturation and point removed if so? [Chrom]											Y		
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]											NA		
9. RT for each IS +20 sec avg. RT? [F6 IstdRec]											Y		
10. Area for each IS + 40% avg. area? [F6 IstdRec]											Y		
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]											Y		
12. Elution order checked on isomeric pairs? [Chrom]													
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane											Y		
• 2-methyl butane / acrolein											Y		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane											Y		
• vinyl acetate / hexane											Y		
• cis- and trans- isomers											Y		
• ethyl benzene / m/p-xylene / o-xylene											Y		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/ sec-butylbenzene/1,2,3-trimethylbenzene											Y		
• tert-butylbenzene/4-isopropyltoluene											Y		
• 1,3-, 1,4-, and 1,2-dichlorobenzene											Y		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes											NA		
• 1,2,4- and 1,2,3-trichlorobenzenes											Y		
• 2-, and 1-methylnaphthalene											Y		
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?											Y		
MLG Review							TO	DOD	OH	Comments	TO-	DOD	OH
14. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%) 1 & 2 methylnaphthalene ≤ 50% [F6 Σ]											Y	Y	Y
15. Were at least 5 levels of each compound analyzed? [F6]											Y	Y	Y
16. Is low level std at or <RL and are the remaining points consec.? [F6]											Y	Y	Y
17. At least 6 consec. points used for quad curves; at least 5 consec. points for linear curves? (Note: Ohio does not allow quad) [F6]											Y	Y	Y
18. If curves were used, is correlation coefficient ≥ 0.990? [F6]											Y	Y	Y
19. Is the intercept less than the RL for each curve? [F6]											Y	Y	Y
20. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous. [Cntrl-C, details]									na		Y	NA	na
21. Is low point RSE ≤ 50 %? [F6]											Y	Y	Y
22. Is the second source analysis within limits? [F8 - icv]											Y	Y	Y
Analyst/Date:							2nd Level Reviewer/Date: LL 5/24/21						
TALS Review							TO	DOD	OH	Comments	TO	DOD	OH
23. Upload ICAL											na	na	na
24. Graphics uploaded? [paperclip]											Y	Y	Y
25. All points are in the most recent active calibration event? [Calibration Events - 'Fix ICAL linkage' if needed]											Y	Y	Y
26. Runs linked to BFB? [QC Links]											Y	Y	Y
27. Run Checklist and acknowledge findings [F8]											Y	Y	Y
28. If criteria not met, was a NCM generated?											NA	NA	NA
29. After review in TALS, approve the method in TALS.							na	na	na		Y	Y	Y
30. After verifying TALS is correct, lock method in Chrom <resolve any error issues>							na	na	na		Y	Y	Y
31. Checklist & Entech report scanned, attached & assigned properly?							na	na	na		Y	Y	Y
Analyst/date:							2nd Level Reviewer/date: LL 5/24/21						
Comments:							Comments:						

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1

SDG No.: _____

Instrument ID: MS Start Date: 06/09/2021 11:10Analysis Batch Number: 50646 End Date: 06/10/2021 03:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-50646/1		06/09/2021 11:10	1	SBFBF09B.D	RTX-5 0.32 (mm)
IC 140-50646/3		06/09/2021 14:14	1	SF09IC10.D	RTX-5 0.32 (mm)
IC 140-50646/5		06/09/2021 15:49	1	SF09C09.D	RTX-5 0.32 (mm)
IC 140-50646/7		06/09/2021 17:23	1	SF09IC08.D	RTX-5 0.32 (mm)
IC 140-50646/9		06/09/2021 18:55	1	SF09IC01.D	RTX-5 0.32 (mm)
IC 140-50646/10		06/09/2021 19:40	1	SF09IC02.D	RTX-5 0.32 (mm)
140-22501-A-1 MDLV		06/09/2021 19:40	1		RTX-5 0.32 (mm)
ZZZZZ		06/09/2021 19:40	1		RTX-5 0.32 (mm)
IC 140-50646/11		06/09/2021 20:27	1	SF09IC03.D	RTX-5 0.32 (mm)
140-22501-A-2 MDLV		06/09/2021 20:27	1		RTX-5 0.32 (mm)
ZZZZZ		06/09/2021 20:27	1		RTX-5 0.32 (mm)
IC 140-50646/12		06/09/2021 21:15	1	SF09IC04.D	RTX-5 0.32 (mm)
140-22501-A-3 MDLV		06/09/2021 21:15	1		RTX-5 0.32 (mm)
ZZZZZ		06/09/2021 21:15	1		RTX-5 0.32 (mm)
IC 140-50646/13		06/09/2021 22:04	1	SF09IC05.D	RTX-5 0.32 (mm)
140-22501-A-4 MDLV		06/09/2021 22:04	1		RTX-5 0.32 (mm)
ZZZZZ		06/09/2021 22:04	1		RTX-5 0.32 (mm)
IC 140-50646/14		06/09/2021 22:54	1	SF09IC06.D	RTX-5 0.32 (mm)
ICIS 140-50646/15		06/09/2021 23:44	1	SF09IC07.D	RTX-5 0.32 (mm)
ICV 140-50646/17		06/10/2021 01:28	1	SF09ICV.D	RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 03:52	1		RTX-5 0.32 (mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Initial Calibration Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 22 & KNOX-MS-0023, Rev 5

Analysis Date: 6/9/21	Instrument: MS	Chrom WL #: 19525	TALS Batch & Event #	TO14/15: 3095 / 50646	DODS: 3095 / 50649
				DOD: 3096 / 50647	OHIO: 3097 / 50648
Chrom/Worklist Review				1 st	2 nd
1. Re-read each Limit Group [method editor-limit groups]				✓	na
2. Verify LODV in Chrom [method editor -> edit -> MDL]				✓	na
3. Are the reagents and init/final volumes correct and first level "unlock/clear"? (Verify reagents & amt. injected at each level) [WL Sample Reagents Tab vs. Entech]				✓	
4. Files linked properly to calibration levels? [Sample List- Lab ID vs. Info]				✓	
5. Did BFB meet tune criteria? [F8]				✓	
6. Were all standards injected within 24 hr of BFB? [F7]				✓	
7. High point checked for saturation and point removed if so? [Chrom]				✓	
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]				✓	
9. RT for each IS +20 sec avg. RT? [F6 IstdRec]				✓	
10. Area for each IS + 40% avg. area? [F6 IstdRec]				✓	
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]				✓	
12. Elution order checked on isomeric pairs? [Chrom]					
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane • 2-methyl butane / acrolein • trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane • vinyl acetate / hexane • cis- and trans- isomers • ethyl benzene / m/p-xylene / o-xylene • n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/ sec-butylbenzene/1,2,3-trimethylbenzene • tert-butylbenzene/4-isopropyltoluene • 1,3-, 1,4-, and 1,2-dichlorobenzene • 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes • 1,2,4- and 1,2,3-trichlorobenzenes • 2-, and 1-methylnaphthalene				✓	
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?				✓	
MLG Review				TO	DOD
14. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%) 1& 2 methylnaphthalene ≤ 50% <i>Acetaldehyde</i> [F6 Σ]				✓	✓
15. Were at least 5 levels of each compound analyzed? [F6]				✓	✓
16. Is low level std at or <RL and are the remaining points consec.? [F6]				✓	✓
17. At least 6 consec. points used for quad curves; at least 5 consec. points for linear curves? (Note: Ohio does not allow quad) [F6]				✓	✓
18. If curves were used, is correlation coefficient ≥ 0.990? [F6]				✓	✓
19. Is the intercept less than the RL for each curve? [F6]				✓	✓
20. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous. [Ctrl-C, details]				✓	na
21. Is low point RSE ≤ 50 %? [F6]				✓	✓
22. Is the second source analysis within limits? [F8 - icv]				✓	✓
Analyst/Date: <i>GH 6/10/21</i>				2nd Level Reviewer/Date:	
TALS Review				TO	DOD
23. Upload ICAL				✓	na
24. Graphics uploaded? [paperclip]				✓	na
25. All points are in the most recent active calibration event? [Calibration Events - 'Fix ICAL linkage' if needed]				✓	na
26. Runs linked to BFB? [QC Links]				✓	na
27. Run Checklist and acknowledge findings [F8]				✓	na
28. If criteria not met, was a NCM generated?				✓	na
29. After review in TALS, approve the method in TALS.				na	na
30. After verifying TALS is correct, lock method in Chrom <resolve any error issues>				na	na
31. Checklist & Entech report scanned, attached & assigned properly?				na	na
Analyst/date: <i>GH 6/10/21</i>				2nd Level Reviewer/date:	
Comments:				Comments:	

Eurofins/TestAmerica Knoxville GC/MS Air - Initial Calibration Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

Analysis Date:	6/9/21	Instrument:	MS	Chrom WL #:	19525	TALS Batch & Event #	TO14/15: 50646/3095		DOD5: 50649/3098				
							DOD: 50647/3096		OHIO: 50648/3097				
Chrom/Worklist Review							1 st	Comments			2 nd		
1. Re-read each Limit Group [method editor-limit groups]											na		
2. Verify LODV in Chrom [method editor -> edit -> MDL]											na		
3. Are the reagents and init/final volumes correct and first level "unlock/clear"? (Verify reagents & amt. injected at each level) [WL Sample Reagents Tab vs. Entech]											Y		
4. Files linked properly to calibration levels? [Sample List- Lab ID vs. Info]											Y		
5. Did BFB meet tune criteria? [F8]											Y		
6. Were all standards injected within 24 hr of BFB? [F7]											Y		
7. High point checked for saturation and point removed if so? [Chrom]											Y		
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]											NA		
9. RT for each IS +20 sec avg. RT? [F6 IstdRec]											Y		
10. Area for each IS + 40% avg. area? [F6 IstdRec]											Y		
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]											Y		
12. Elution order checked on isomeric pairs? [Chrom]													
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane											Y		
• 2-methyl butane / acrolein											Y		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane											Y		
• vinyl acetate / hexane											Y		
• cis- and trans- isomers											Y		
• ethyl benzene / m/p-xylene / o-xylene											Y		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/ sec-butylbenzene/1,2,3-trimethylbenzene											Y		
• tert-butylbenzene/4-isopropyltoluene											Y		
• 1,3-, 1,4-, and 1,2-dichlorobenzene											Y		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes											NA		
• 1,2,4- and 1,2,3-trichlorobenzenes											Y		
• 2-, and 1-methylnaphthalene											Y		
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?											Y		
MLG Review							TO	DOD	OH	Comments	TO-	DOD	OH
14. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%) 1 & 2 methylnaphthalene ≤ 50% [F6 Σ]											Y	Y	Y
15. Were at least 5 levels of each compound analyzed? [F6]											Y	Y	Y
16. Is low level std at or <RL and are the remaining points consec.? [F6]											Y	Y	Y
17. At least 6 consec. points used for quad curves; at least 5 consec. points for linear curves? (Note: Ohio does not allow quad) [F6]											Y	Y	Y
18. If curves were used, is correlation coefficient ≥0.990? [F6]											Y	Y	Y
19. Is the intercept less than the RL for each curve? [F6]											Y	Y	Y
20. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous. [Cntrl-C, details]									na		NA	NA	na
21. Is low point RSE ≤ 50 %? [F6]											Y	Y	Y
22. Is the second source analysis within limits? [F8 - icv]											Y	Y	Y
Analyst/Date:							2nd Level Reviewer/Date: LL 6/10/21						
TALS Review							TO	DOD	OH	Comments	TO	DOD	OH
23. Upload ICAL											na	na	na
24. Graphics uploaded? [paperclip]											Y	Y	Y
25. All points are in the most recent active calibration event? [Calibration Events - 'Fix ICAL linkage' if needed]											Y	Y	Y
26. Runs linked to BFB? [QC Links]											Y	Y	Y
27. Run Checklist and acknowledge findings [F8]											Y	Y	Y
28. If criteria not met, was a NCM generated?											NA	NA	NA
29. After review in TALS, approve the method in TALS.							na	na	na		Y	Y	Y
30. After verifying TALS is correct, lock method in Chrom <resolve any error issues>							na	na	na		Y	Y	Y
31. Checklist & Entech report scanned, attached & assigned properly?							na	na	na		Y	Y	Y
Analyst/date:							2nd Level Reviewer/date: LL 6/10/21						
Comments:							Comments:						

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1

SDG No.: _____

Instrument ID: MS Start Date: 06/10/2021 04:38Analysis Batch Number: 50650 End Date: 06/11/2021 02:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-50650/1		06/10/2021 04:38	1	SF10BFB.D	RTX-5 0.32 (mm)
CCVIS 140-50650/2		06/10/2021 05:10	1	SF10CCV.D	RTX-5 0.32 (mm)
LCS 140-50650/1002		06/10/2021 05:10	1	SF10CCV-LCS.d	RTX-5 0.32 (mm)
MB 140-50650/4		06/10/2021 06:33	1	SF10MB500.D	RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 07:24	1		RTX-5 0.32 (mm)
140-22501-A-5 MDLV		06/10/2021 08:09	1		RTX-5 0.32 (mm)
140-22501-A-6 MDLV		06/10/2021 08:56	1		RTX-5 0.32 (mm)
140-22501-A-7 MDLV		06/10/2021 09:47	1		RTX-5 0.32 (mm)
140-22501-A-8 MDLV		06/10/2021 10:35	1		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 11:24	644.9		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 14:27	1		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 15:20	1		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 16:59	1		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 17:46	1		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 19:16	1		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 20:02	1		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 20:49	1		RTX-5 0.32 (mm)
ZZZZZ		06/10/2021 21:36	1		RTX-5 0.32 (mm)
140-23392-1	EQUIPMENT BLANK	06/10/2021 22:27	1	SF10P110.D	RTX-5 0.32 (mm)
140-23392-2	GAC INFLUENT	06/10/2021 23:13	3.05	SF10P111.D	RTX-5 0.32 (mm)
140-23392-3	GAC EFFLUENT	06/10/2021 23:59	1	SF10P112.D	RTX-5 0.32 (mm)
ZZZZZ		06/11/2021 00:52	1		RTX-5 0.32 (mm)
ZZZZZ		06/11/2021 01:45	1		RTX-5 0.32 (mm)
ZZZZZ		06/11/2021 02:32	1		RTX-5 0.32 (mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 22 & KNOX-MS-0023, Rev 5

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Instrument/Date	MS 6/10/2021		Routine	DOD	OHIO VAP
CCAL Chrom WL #	19526	CCAL Batch #	50650		
ICAL Chrom WL #	19525	ICAL Batch # / Event #	50646 / 3095	/	/
Chrom Review			1st	If No, why is data reportable?	
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]			/		
2. Did BFB meet tune criteria? [F8]			/	☐ [Failed TO-14A, but passes TO-15]	
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICAL File batch #/start/end Cal date/time)? [F8]			/	List Target analytes outside CCV limits: _____ _____	
4. Elution order checked on isomeric pairs? [Chrom]					
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane			/		
• 2-methyl butane / acrolein			/		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane			/		
• vinyl acetate / hexane			/		
• cis- and trans- isomers			/		
• ethyl benzene / m/p-xylene / o-xylene			/		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene			/		
• tert-butylbenzene/4-isopropyltoluene			/		
• 1,3-, 1,4-, and 1,2-dichlorobenzene			/		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes			/		
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene			/		
• 2-, and 1-methylnaphthalene			/		
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?			NA		
6. Has the RT been updated to the method?			/		
Analyst/date <i>Supman K</i> 6/11/2021			2nd Level Reviewer/date		
7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]			/		
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]			/		
9. Can dilution history verified? [Mgmt Report]			/		
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). If no, list blank ID:			/	☐ Method Blank – Report, ND (NCM# _____) ☐ Method Blank – Report, 10X (NCM# _____)	
11. All runs - peaks ID'd correctly and false positives removed?			/		
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?			/		
13. IS/Surr within limits? List samples and reason (e.g., 1 thru 5): [Batch Results IS & SUR Tab]			/	☐ (1) Surrogate – Matrix (NCM# _____) ☐ (2) Surrogate – High, ND (NCM# _____) ☐ (3) ISTD – RA/RA Concur (NCM# _____) ☐ (4) Surrogate –RX concur, Report both (NCM# _____) ☐ (5) ISTD – Matrix, DL required (NCM# _____)	
Sample	Reason	Sample	Reason		
_____	_____	_____	_____		
_____	_____	_____	_____		
14. Samples outside calibration range scheduled for dilution?			/	☐ ICAL – Range Exceeded; Minimum Dilution	
Chrom Review			1st	If No, why is data reportable?	
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? List samples and reason:			/	☐ (1) Reporting Limit – Dilution, Matrix (NCM# _____) ☒ (2) Reporting Limit – Dilution, Non-Target (NCM# 29927) ☐ (3) Issues with initial collection volume; see DRC.	
Sample	Reason	Sample	Reason		
#24	NT	_____	_____		
_____	_____	_____	_____		
16. RIC inspected for proper integration for TPH?			NA		
17. Obvious non-TPH peaks excluded?			↓		
18. Individual TPH peak area < octane high point area?			↓		

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 22 & KNOX-MS-0023, Rev 5

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TALS Review	1 st	If No, why is data reportable?	2 nd													
19. Graphics uploaded? [open one paperclip]	✓															
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?	NA	☐ [Failed TO-14A, but passes TO-15] (NCM# _____)														
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]	✓	☐ CCV - %D - LCS criteria met (NCM# _____) ☐ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM# _____)														
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?	✓		na													
23. Project & sample special instructions verified?	✓															
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	✓	☒ Air Analysis - Air Sample Transfer to Canister (NCM# <u>23712</u>)														
25. Sample analyses done within analytical holding time?	✓	☐ Holding Time – Received w/Insufficient Time (NCM# _____) ☐ Holding Time – Receipt (NCM# _____)														
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Number of target analytes in LCS</th> <th># marginal exceedances of LCS control limits allowed</th> </tr> </thead> <tbody> <tr><td>>90</td><td>5</td></tr> <tr><td>71 - 90</td><td>4</td></tr> <tr><td>51 - 70</td><td>3</td></tr> <tr><td>31 - 50</td><td>2</td></tr> <tr><td>11 - 30</td><td>1</td></tr> <tr><td><11</td><td>0</td></tr> </tbody> </table>	Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed	>90	5	71 - 90	4	51 - 70	3	31 - 50	2	11 - 30	1	<11	0	☐ Marginal Exceedances - Within ME Limits and Random; Report (NCM# _____) ☐ LCS/LCSD - %R High (NCM# _____)	
Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed															
>90	5															
71 - 90	4															
51 - 70	3															
31 - 50	2															
11 - 30	1															
<11	0															
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]	NA															
28. Each <u>job</u> has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	✓															
29. Analytes over calibration range set to secondary [Conditions Review Tab]	✓															
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]	✓															
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) (If DUP not reported - set to 'Acceptable' for each job)	✓															
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	✓	500 mL blank ID: <u>#4</u> 200 mL blank ID: <u>#5</u>														
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]	✓															
34. Correct ICV linked to each MB? [QC Links]	✓															
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]	✓															
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]	✓															
37. Run Checklist and acknowledge findings [F8]	✓															
38. Runs set to 1 st level review?	✓	Runs set to 2 nd level review?														
39. QC checker run and items addressed?	-na-															
40. Checklist & Entech report scanned, attached & assigned properly?	-na-															

Analyst: <u>Sophom K</u>	Date: <u>6/11/2021</u>	2nd Level Reviewer :	Date:
Comments:		Comments:	
<u>Cl acetone lines 12, 13</u>			
Example Calculation: <u>140-23341-1</u> <u>12-Dichloroethane</u>			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			
<u>4.921065 x 500/10 x 644.9 = 158680</u>			

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

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Instrument/Date	MS 6/10/21		Routine	DOD 5	OHIO VAP
CCAL Chrom WL #	19526	CCAL Batch #	50650		
ICAL Chrom WL #	19525	ICAL Batch # / Event #	50646/3095		
Chrom Review	1st		If No, why is data reportable?		2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]					na
2. Did BFB meet tune criteria? [F8]			☐ [Failed TO-14A, but passes TO-15]		Y
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICAL File batch #/start/end Cal date/time)? [F8]			List Target analytes outside CCV limits: _____ _____		Y
4. Elution order checked on isomeric pairs? [Chrom]					
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane					Y
• 2-methyl butane / acrolein					Y
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane					Y
• vinyl acetate / hexane					Y
• cis- and trans- isomers					Y
• ethyl benzene / m/p-xylene / o-xylene					Y
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene					Y
• tert-butylbenzene/4-isopropyltoluene					Y
• 1,3-, 1,4-, and 1,2-dichlorobenzene					Y
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes					NA
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene					Y
• 2-, and 1-methylnaphthalene					Y
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?					Y
6. Has the RT been updated to the method?					Y
Analyst/date	2nd Level Reviewer/date LL 6/11/21				
7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]					Y
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]					Y
9. Can dilution history verified? [Mgmt Report]					Y
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). If no, list blank ID:			☐ Method Blank – Report, ND (NCM#_____) ☐ Method Blank – Report, 10X (NCM#_____)		Y
11. All runs - peaks ID'd correctly and false positives removed?					Y
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?					Y
13. IS/Surr within limits? List samples and reason (e.g., 1 thru 5): [Batch Results IS & SUR Tab]					Y
Sample Reason Sample Reason _____ _____			☐ (1) Surrogate – Matrix (NCM#_____) ☐ (2) Surrogate – High, ND (NCM#_____) ☐ (3) ISTD – RA/RA Concur (NCM#_____) ☐ (4) Surrogate –RX concur, Report both (NCM#_____) ☐ (5) ISTD – Matrix, DL required (NCM#_____)		
14. Samples outside calibration range scheduled for dilution?			☐ ICAL – Range Exceeded; Minimum Dilution		Y
Chrom Review	1st		If No, why is data reportable?		2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? List samples and reason: Sample Reason Sample Reason _____ _____			☐ (1) Reporting Limit – Dilution, Matrix (NCM#_____) ☐ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) ☐ (3) Issues with initial collection volume; see DRC.		Y
16. RIC inspected for proper integration for TPH?					NA
17. Obvious non-TPH peaks excluded?					NA
18. Individual TPH peak area < octane high point area?					NA

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[illegible]

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1

SDG No.: _____

Instrument ID: MH Start Date: 06/13/2021 07:21Analysis Batch Number: 50713 End Date: 06/13/2021 23:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-50713/1		06/13/2021 07:21	1	HBFBF13.D	RTX-5 0.32 (mm)
CCVIS 140-50713/2		06/13/2021 07:49	1	HCCVF13.D	RTX-5 0.32 (mm)
LCS 140-50713/1002		06/13/2021 07:49	1	HCCVF13-LCS.d	RTX-5 0.32 (mm)
MB 140-50713/4		06/13/2021 09:46	1	H500BF13.D	RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 10:28	1		RTX-5 0.32 (mm)
140-23392-1 DL	EQUIPMENT BLANK DL	06/13/2021 11:11	1	HF13P101.D	RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 14:01	5.32		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 17:42	1		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 18:28	1		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 19:14	1		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 20:00	1		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 20:45	1		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 21:31	1		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 22:16	1		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 23:01	1		RTX-5 0.32 (mm)
ZZZZZ		06/13/2021 23:43	1		RTX-5 0.32 (mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 22 & KNOX-MS-0023, Rev 5

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Instrument/Date	MH 6/13/2021	Routine	DOD	OHIO VAP
CCAL Chrom WL #	19547	CCAL Batch #	50713	50754
ICAL Chrom WL #	19329	ICAL Batch # / Event #	50074 / 3090	50076 / 3092
Chrom Review		1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]		/		na
2. Did BFB meet tune criteria? [F8]		/	Failed TO-14A, but passes TO-15	
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICAL File batch #/start/end Cal date/time)? [F8]		/	List Target analytes outside CCV limits: m-Xylene & p-Xylene and total Xylenes	
4. Elution order checked on isomeric pairs? [Chrom]				
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		/		
• 2-methyl butane / acrolein		/		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		/		
• vinyl acetate / hexane		/		
• cis- and trans- isomers		/		
• ethyl benzene / m/p-xylene / o-xylene		/		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene		/		
• tert-butylbenzene/4-isopropyltoluene		/		
• 1,3-, 1,4-, and 1,2-dichlorobenzene		/		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes		NA		
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		/		
• 2-, and 1-methylnaphthalene		/		
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?		/		
6. Has the RT been updated to the method?		/		
Analyst/date Supman K 6/14/2021		2nd Level Reviewer/date		
7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]		/		
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]		/		
9. Can dilution history verified? [Mgmt Report]		/		
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). If no, list blank ID:		/	☐ Method Blank – Report, ND (NCM# _____) ☐ Method Blank – Report, 10X (NCM# _____)	
11. All runs - peaks ID'd correctly and false positives removed?		/		
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?		/		
13. IS/Surr within limits? List samples and reason (e.g., 1 thru 5): [Batch Results IS & SUR Tab]		/	☐ (1) Surrogate – Matrix (NCM# _____) ☐ (2) Surrogate – High, ND (NCM# _____) ☐ (3) ISTD – RA/RA Concur (NCM# _____) ☐ (4) Surrogate –RX concur, Report both (NCM# _____) ☐ (5) ISTD – Matrix, DL required (NCM# _____)	
Sample	Reason	Sample	Reason	
_____	_____	_____	_____	
14. Samples outside calibration range scheduled for dilution?		/	☐ ICAL – Range Exceeded; Minimum Dilution	
Chrom Review		1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? List samples and reason:		/	☐ (1) Reporting Limit – Dilution, Matrix (NCM# _____) ☐ (2) Reporting Limit – Dilution, Non-Target (NCM# _____) ☐ (3) Issues with initial collection volume; see DRC.	
Sample	Reason	Sample	Reason	
_____	_____	_____	_____	
16. RIC inspected for proper integration for TPH?		/		
17. Obvious non-TPH peaks excluded?		/		
18. Individual TPH peak area < octane high point area?		/		

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 22 & KNOX-MS-0023, Rev 5

Page 2 of 2

TALS Review	1 st	If No, why is data reportable?	2 nd													
19. Graphics uploaded? [open one paperclip]	✓															
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?	✓	☒ Failed TO-14A, but passes TO-15] (NCM# <u>29967</u>)														
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]	✓	☐ CCV - %D - LCS criteria met (NCM# _____) ☒ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM# <u>29972</u>)														
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?	✓		na													
23. Project & sample special instructions verified?	✓															
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	✓	☒ Air Analysis - Air Sample Transfer to Canister (NCM# <u>29965</u>)														
25. Sample analyses done within analytical holding time?	✓	☐ Holding Time – Received w/Insufficient Time (NCM# _____) ☐ Holding Time – Receipt (NCM# _____)														
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Number of target analytes in LCS</th> <th># marginal exceedances of LCS control limits allowed</th> </tr> </thead> <tbody> <tr><td>>90</td><td>5</td></tr> <tr><td>71 - 90</td><td>4</td></tr> <tr><td>51 - 70</td><td>3</td></tr> <tr><td>31 - 50</td><td>2</td></tr> <tr><td>11 - 30</td><td>1</td></tr> <tr><td><11</td><td>0</td></tr> </tbody> </table>	Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed	>90	5	71 - 90	4	51 - 70	3	31 - 50	2	11 - 30	1	<11	0	☐ Marginal Exceedances - Within ME Limits and Random; Report (NCM# _____) ☐ LCS/LCSD - %R High (NCM# _____)	
Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed															
>90	5															
71 - 90	4															
51 - 70	3															
31 - 50	2															
11 - 30	1															
<11	0															
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]	✓															
28. Each <u>job</u> has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	✓															
29. Analytes over calibration range set to secondary [Conditions Review Tab]	✓															
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]	✓															
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) (If DUP not reported - set to 'Acceptable' for each job)	✓															
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	✓	500 mL blank ID: <u>#4</u> 200 mL blank ID: <u>#5</u>														
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]	✓															
34. Correct ICV linked to each MB? [QC Links]	✓															
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]	✓															
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]	✓															
37. Run Checklist and acknowledge findings [F8]	✓															
38. Runs set to 1 st level review?	✓		Runs set to 2 nd level review?													
39. QC checker run and items addressed?	-na-															
40. Checklist & Entech report scanned, attached & assigned properly?	-na-															

Analyst: <u>Supman R</u>	Date: <u>6/14/2021</u>	2nd Level Reviewer :	Date:
Comments: <u>D ethanol line 6</u>		Comments:	
Example Calculation: <u>140-23392 - 1 ethanol</u>			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			
<u>23.84077 x 500/100 x 1.0 = 119</u>			

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

Page 1 of 2

Instrument/Date	MH 6/13/21		<u>Routine</u>	<u>DOD5</u>	<u>OHIO VAP</u>
CCAL Chrom WL #	19547	CCAL Batch #	50713	NA	50754
ICAL Chrom WL #	19329	ICAL Batch # / Event #	50074/3090	50077/3093	50076/3092
Chrom Review			1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]					na
2. Did BFB meet tune criteria? [F8]				☐ [Failed TO-14A, but passes TO-15]	N
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICAL File batch #/start/end Cal date/time)? [F8]				List Target analytes outside CCV limits: _____ _____	Y
4. Elution order checked on isomeric pairs? [Chrom]					
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane					Y
• 2-methyl butane / acrolein					Y
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane					Y
• vinyl acetate / hexane					Y
• cis- and trans- isomers					Y
• ethyl benzene / m/p-xylene / o-xylene					Y
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene					Y
• tert-butylbenzene/4-isopropyltoluene					Y
• 1,3-, 1,4-, and 1,2-dichlorobenzene					Y
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes					NA
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene					Y
• 2-, and 1-methylnaphthalene					Y
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?					Y
6. Has the RT been updated to the method?					Y
Analyst/date			2nd Level Reviewer/date LL 6/14/21		
7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]					Y
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]					Y
9. Can dilution history verified? [Mgmt Report]					Y
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). <i>If no, list blank ID:</i>				☐ Method Blank – Report, ND (NCM#____) ☐ Method Blank – Report, 10X (NCM#____)	Y
11. All runs - peaks ID'd correctly and false positives removed?					Y
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?					Y
13. IS/Surr within limits? <i>List samples and reason (e.g., 1 thru 5):</i> [Batch Results IS & SUR Tab]				☐ (1) Surrogate – Matrix (NCM#____) ☐ (2) Surrogate – High, ND (NCM#____) ☐ (3) ISTD – RA/RA Concur (NCM#____) ☐ (4) Surrogate –RX concur, Report both (NCM#____) ☐ (5) ISTD – Matrix, DL required (NCM#____)	Y
Sample	Reason	Sample	Reason		
_____	_____	_____	_____		
_____	_____	_____	_____		
14. Samples outside calibration range scheduled for dilution?				☐ ICAL – Range Exceeded; Minimum Dilution	Y
Chrom Review			1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? <i>List samples and reason:</i>				☐ (1) Reporting Limit – Dilution, Matrix (NCM#____) ☐ (2) Reporting Limit – Dilution, Non-Target (NCM#____) ☐ (3) Issues with initial collection volume; see DRC.	Y
Sample	Reason	Sample	Reason		
_____	_____	_____	_____		
_____	_____	_____	_____		
16. RIC inspected for proper integration for TPH?					Y
17. Obvious non-TPH peaks excluded?					Y
18. Individual TPH peak area < octane high point area?					Y

Page 2 of 2

[illegible]

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1

SDG No.: _____

Batch Number: 50650 Batch Start Date: 06/10/21 04:38 Batch Analyst: Khachitpongpanit, SuphawaBatch Method: TO 15 LL Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	InitialPressure	FinalPressure	40CV101S 00145	40MXBFB 00001
BFB 140-50650/1		TO 15 LL		500 mL	500 mL	1	1		40 mL
CCVIS 140-50650/2		TO 15 LL		500 mL	500 mL	1	1	100 mL	
MB 140-50650/4		TO 15 LL		500 mL	500 mL	1	1		
140-23392-A-1	EQUIPMENT BLANK	TO 15 LL	T	500 mL	500 mL	1	1		
140-23392-A-2	GAC INFLUENT	TO 15 LL	T	10 mL	500 mL	1	1		
140-23392-A-3	GAC EFFLUENT	TO 15 LL	T	200 mL	500 mL	1	1		
LCS 140-50650/1002		TO 15 LL		500 mL	500 mL	1	1	100 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXISSUR 00001					
BFB 140-50650/1		TO 15 LL							
CCVIS 140-50650/2		TO 15 LL		40 mL					
MB 140-50650/4		TO 15 LL		40 mL					
140-23392-A-1	EQUIPMENT BLANK	TO 15 LL	T	40 mL					
140-23392-A-2	GAC INFLUENT	TO 15 LL	T	40 mL					
140-23392-A-3	GAC EFFLUENT	TO 15 LL	T	40 mL					
LCS 140-50650/1002		TO 15 LL		40 mL					

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO 15 LL

Page 1 of 1

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23392-1

SDG No.: _____

Batch Number: 50713 Batch Start Date: 06/13/21 07:21 Batch Analyst: Khachitpongpanit, SuphawaBatch Method: TO 15 LL Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	InitialPressure	FinalPressure	40CV101P 00141	40MXBFB 00001
BFB 140-50713/1		TO 15 LL		500 mL	500 mL	1	1		40 mL
CCVIS 140-50713/2		TO 15 LL		500 mL	500 mL	1	1	100 mL	
MB 140-50713/4		TO 15 LL		500 mL	500 mL	1	1		
140-23392-A-1	EQUIPMENT BLANK	TO 15 LL	T	100 mL	500 mL	1	1		
LCS 140-50713/1002		TO 15 LL		500 mL	500 mL	1	1	100 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXISSUR 00001					
BFB 140-50713/1		TO 15 LL							
CCVIS 140-50713/2		TO 15 LL		40 mL					
MB 140-50713/4		TO 15 LL		40 mL					
140-23392-A-1	EQUIPMENT BLANK	TO 15 LL	T	40 mL					
LCS 140-50713/1002		TO 15 LL		40 mL					

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO 15 LL

Page 1 of 1

Summa Canister Dilution Worksheet

Client: New York State D.E.C.
Project/Site: Ronhill Cleaners #130071

Job No.: 140-23392-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
140-23392-2	6	0.0	1.00	6.00	30.2	3.05	18.33		3.05	3.05	g5	06/10/21 7:33	BRS

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23072-1
 SDG No.: _____
 Client Sample ID: 10099 Lab Sample ID: 140-23072-1
 Matrix: Air Lab File ID: E18L23072S1.D
 Analysis Method: TO 15 LL Date Collected: 05/14/2021 10:55
 Sample wt/vol: 500 (mL) Date Analyzed: 05/18/2021 12:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 49912 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.080	
106-99-0	1,3-Butadiene	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND	*-	0.080	
107-05-1	3-Chloroprene	ND		0.080	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23072-1
 SDG No.: _____
 Client Sample ID: 10099 Lab Sample ID: 140-23072-1
 Matrix: Air Lab File ID: E18L23072S1.D
 Analysis Method: TO 15 LL Date Collected: 05/14/2021 10:55
 Sample wt/vol: 500 (mL) Date Analyzed: 05/18/2021 12:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 49912 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND	++	0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND	++	0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND	++	0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23072-1
 SDG No.: _____
 Client Sample ID: 10099 Lab Sample ID: 140-23072-1
 Matrix: Air Lab File ID: E18L23072S1.D
 Analysis Method: TO 15 LL Date Collected: 05/14/2021 10:55
 Sample wt/vol: 500 (mL) Date Analyzed: 05/18/2021 12:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 49912 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND	++	0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND	++	0.080	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23072-1
SDG No.: _____
Client Sample ID: 10099 Lab Sample ID: 140-23072-1
Matrix: Air Lab File ID: E18L23072S1.D
Analysis Method: TO 15 LL Date Collected: 05/14/2021 10:55
Sample wt/vol: 500 (mL) Date Analyzed: 05/18/2021 12:40
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 49912 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19272.b\E18L23072S1.D
 Lims ID: 140-23072-A-1
 Client ID: 10099
 Sample Type: Client
 Inject. Date: 18-May-2021 12:40:30 ALS Bottle#: 17 Worklist Smp#: 5
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019272-005
 Misc. Info.: 10099
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20210518-19272.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 19-May-2021 15:53:43 Calib Date: 24-Apr-2021 00:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210423-19021.b\RD23IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1635

First Level Reviewer: khachitpongpanits

Date: 19-May-2021 15:53:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.183	8.177	0.006	91	179601	4.80	
* 2 1,4-Difluorobenzene	114	10.383	10.377	0.006	95	915985	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.225	15.220	0.005	89	707018	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	16.881	16.881	0.000	92	388248	3.70	
19 2-Methylbutane	43	4.575	4.570	0.005	57	1061	0.0179	
51 Benzene	78	9.795	9.795	0.000	1	1215	0.007632	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 19-May-2021 15:53:43

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19272.b\E18L23072S1.D

Injection Date: 18-May-2021 12:40:30

Instrument ID: MR

Operator ID: HMT

Lims ID: 140-23072-A-1

Lab Sample ID: 140-23072-1

Worklist Smp#: 5

Client ID: 10099

Purge Vol: 500.000 mL

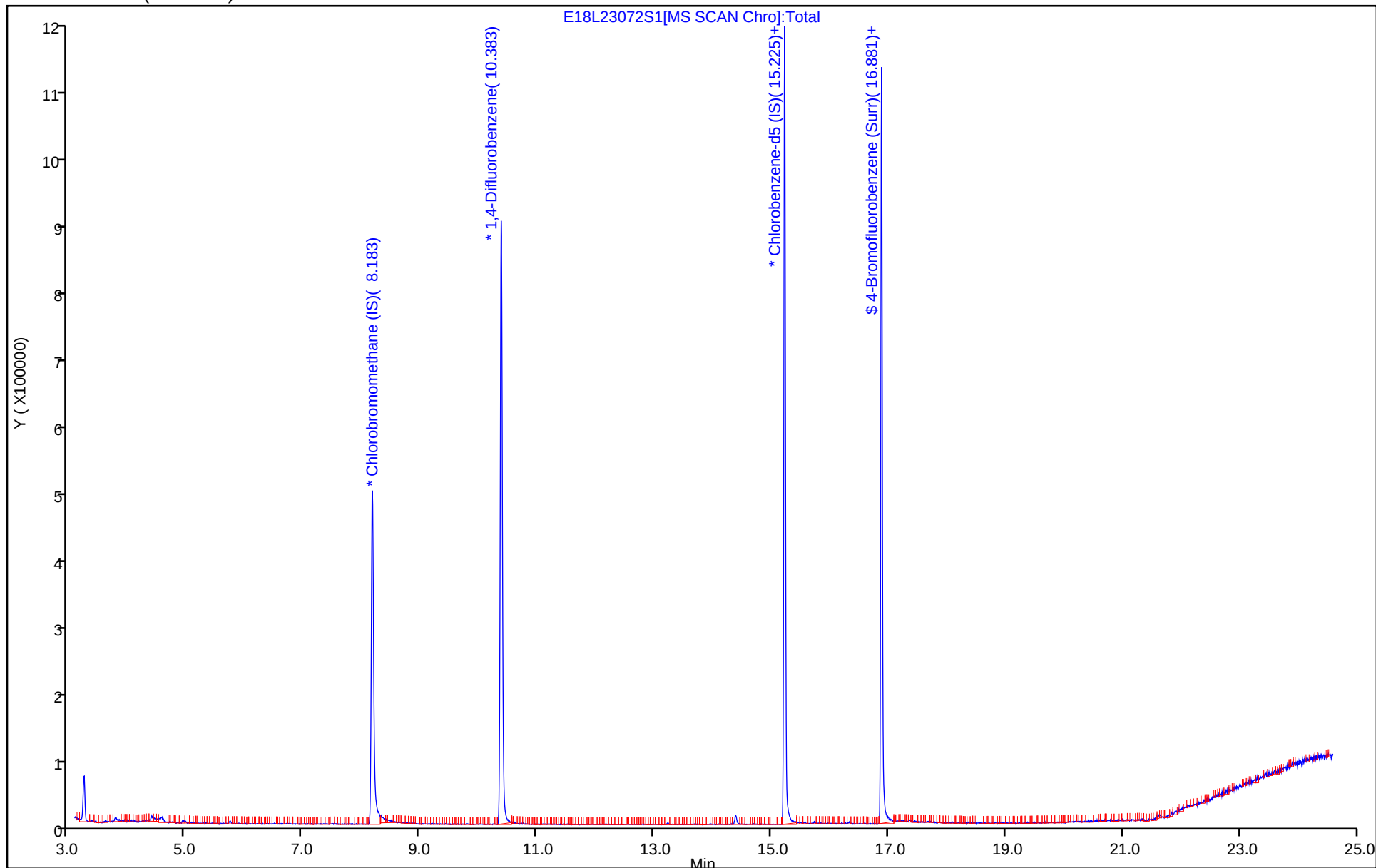
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19272.b\E18L23072S1.D

Injection Date: 18-May-2021 12:40:30

Instrument ID: MR

Lims ID: 140-23072-A-1

Lab Sample ID: 140-23072-1

Client ID: 10099

Operator ID: HMT

ALS Bottle#: 17

Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MR_TO15

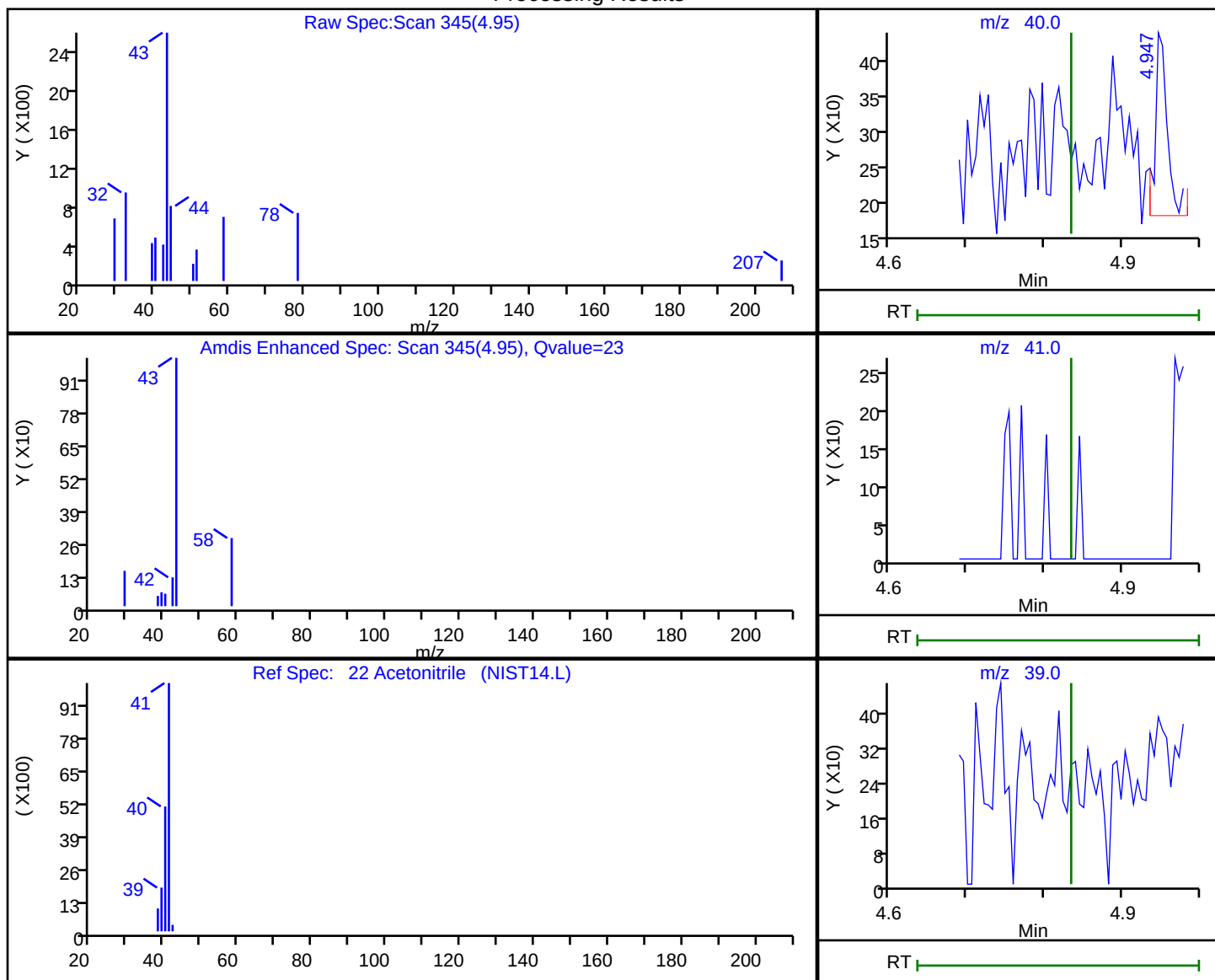
Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
4.95	40.00	284	0.237900
4.97	41.00	475	
4.95	39.00	1086	

Reviewer: tajh, 18-May-2021 13:44:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19272.b\E18L23072S1.D

Injection Date: 18-May-2021 12:40:30

Instrument ID: MR

Lims ID: 140-23072-A-1

Lab Sample ID: 140-23072-1

Client ID: 10099

Operator ID: HMT

ALS Bottle#: 17 Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MR_TO15

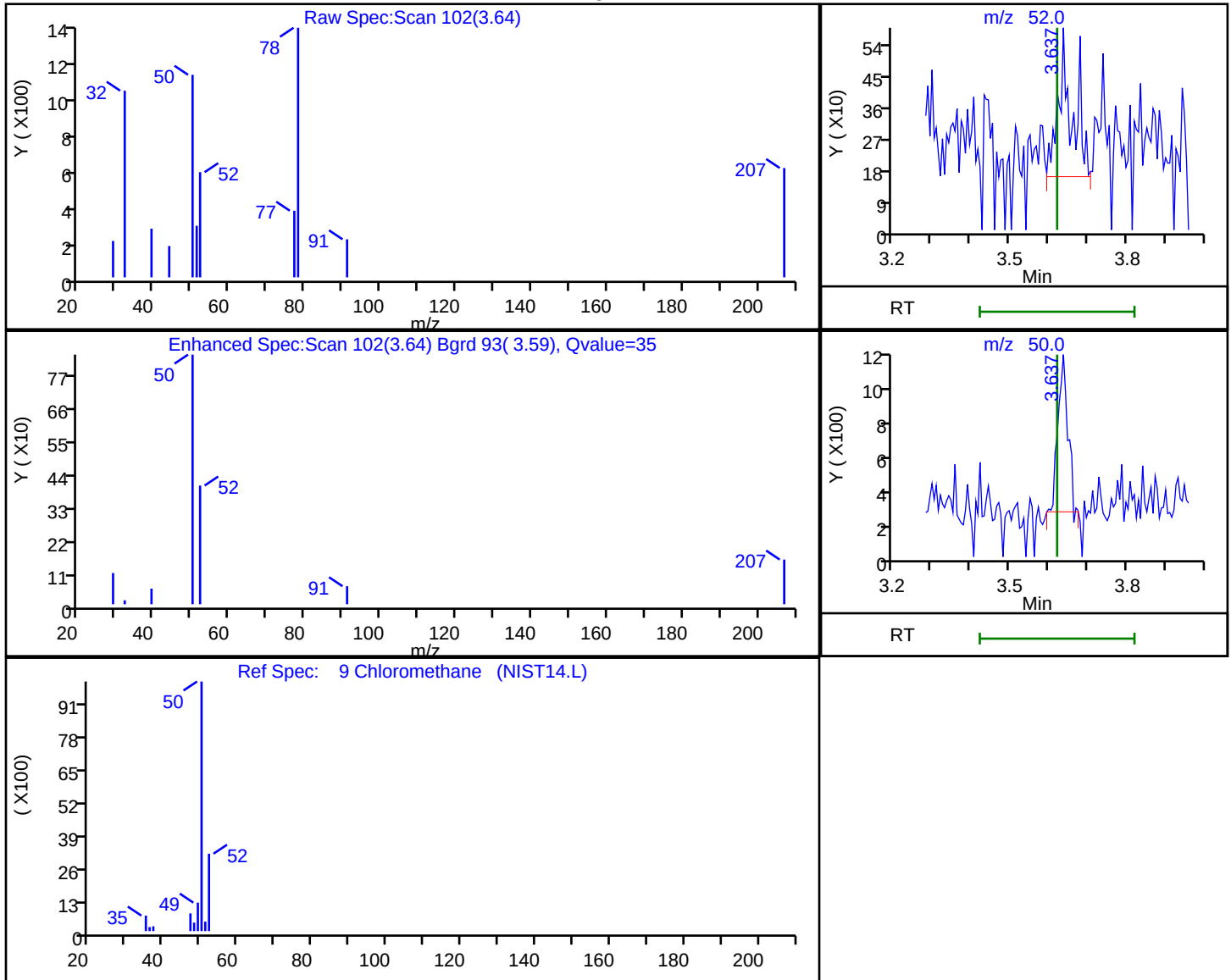
Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

9 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
3.64	52.00	1046	0.064037
3.64	50.00	1533	

Reviewer: khachitpongpanits, 19-May-2021 15:53:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19272.b\E18L23072S1.D

Injection Date: 18-May-2021 12:40:30

Instrument ID: MR

Lims ID: 140-23072-A-1

Lab Sample ID: 140-23072-1

Client ID: 10099

Operator ID: HMT

ALS Bottle#: 17 Worklist Smp#: 5

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MR_TO15

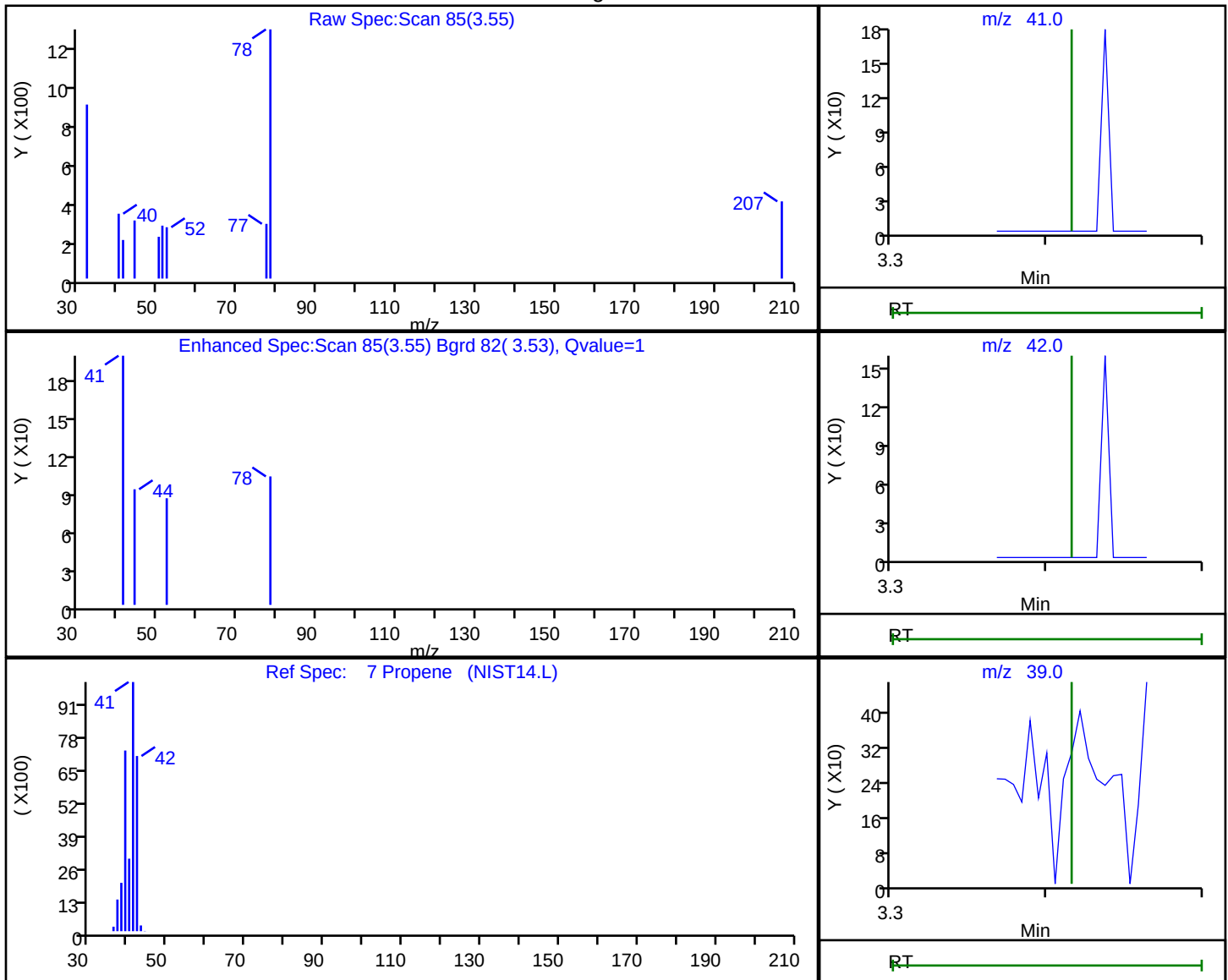
Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.55	41.00	114	0.002462
3.53	39.00	316	
3.42	42.00	0	

Reviewer: tajh, 18-May-2021 13:44:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23154-1
 SDG No.: _____
 Client Sample ID: 10545 Lab Sample ID: 140-23154-1
 Matrix: Air Lab File ID: E20L23154.D
 Analysis Method: TO 15 LL Date Collected: 05/19/2021 11:20
 Sample wt/vol: 500 (mL) Date Analyzed: 05/20/2021 13:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 49915 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND	*+	0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.080	
106-99-0	1,3-Butadiene	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND		0.080	
107-05-1	3-Chloroprene	ND		0.080	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23154-1
 SDG No.: _____
 Client Sample ID: 10545 Lab Sample ID: 140-23154-1
 Matrix: Air Lab File ID: E20L23154.D
 Analysis Method: TO 15 LL Date Collected: 05/19/2021 11:20
 Sample wt/vol: 500 (mL) Date Analyzed: 05/20/2021 13:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 49915 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND	++	0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND	++	0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND	++	0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23154-1
 SDG No.: _____
 Client Sample ID: 10545 Lab Sample ID: 140-23154-1
 Matrix: Air Lab File ID: E20L23154.D
 Analysis Method: TO 15 LL Date Collected: 05/19/2021 11:20
 Sample wt/vol: 500 (mL) Date Analyzed: 05/20/2021 13:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 49915 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND	*+	0.40	
115-07-1	Propene	ND	*-	1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND	*+	0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND	*+	0.080	
75-01-4	Vinyl chloride	ND	*+	0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-23154-1
SDG No.: _____
Client Sample ID: 10545 Lab Sample ID: 140-23154-1
Matrix: Air Lab File ID: E20L23154.D
Analysis Method: TO 15 LL Date Collected: 05/19/2021 11:20
Sample wt/vol: 500 (mL) Date Analyzed: 05/20/2021 13:15
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 49915 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19275.b\E20L23154.D
 Lims ID: 140-23154-A-1
 Client ID: 10545
 Sample Type: Client
 Inject. Date: 20-May-2021 13:15:30 ALS Bottle#: 17 Worklist Smp#: 5
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0019275-005
 Misc. Info.: 10545
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20210518-19275.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 21-May-2021 12:08:35 Calib Date: 24-Apr-2021 00:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210423-19021.b\RD23IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1634

First Level Reviewer: khachitpongpanits

Date: 21-May-2021 12:08:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.161	8.172	-0.011	95	353761	4.80	
* 2 1,4-Difluorobenzene	114	10.367	10.372	-0.006	95	1844206	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.220	15.220	0.000	87	1454656	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	16.875	16.875	0.000	94	736771	3.41	
20 Trichlorofluoromethane	101	4.758	4.750	0.005	31	1710	0.007521	
74 Chlorobenzene	112	15.268	15.268	0.000	82	2457	0.008896	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 21-May-2021 12:08:36

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19275.b\E20L23154.D

Injection Date: 20-May-2021 13:15:30

Instrument ID: MR

Operator ID: HMT

Lims ID: 140-23154-A-1

Lab Sample ID: 140-23154-1

Worklist Smp#: 5

Client ID: 10545

Purge Vol: 500.000 mL

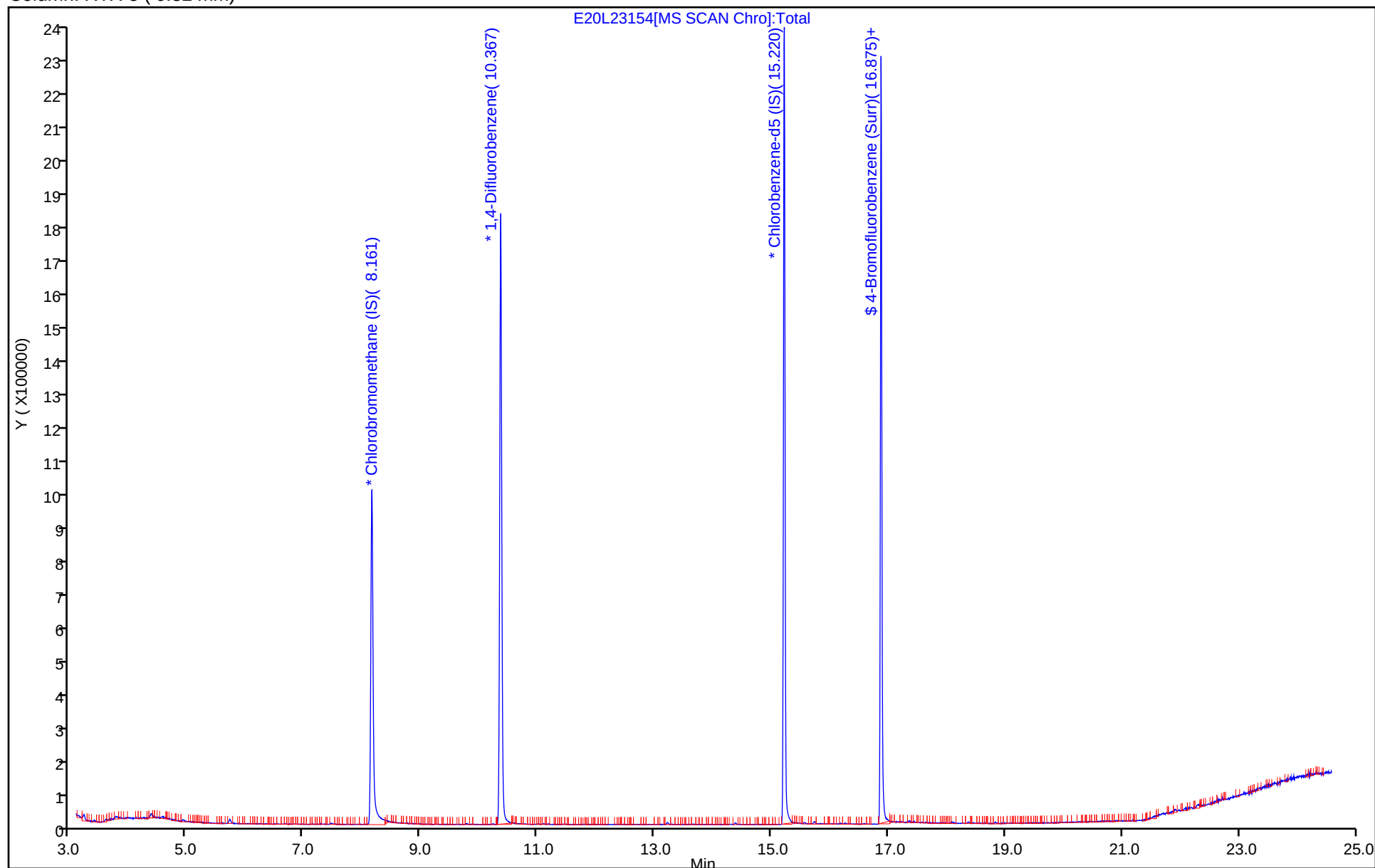
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

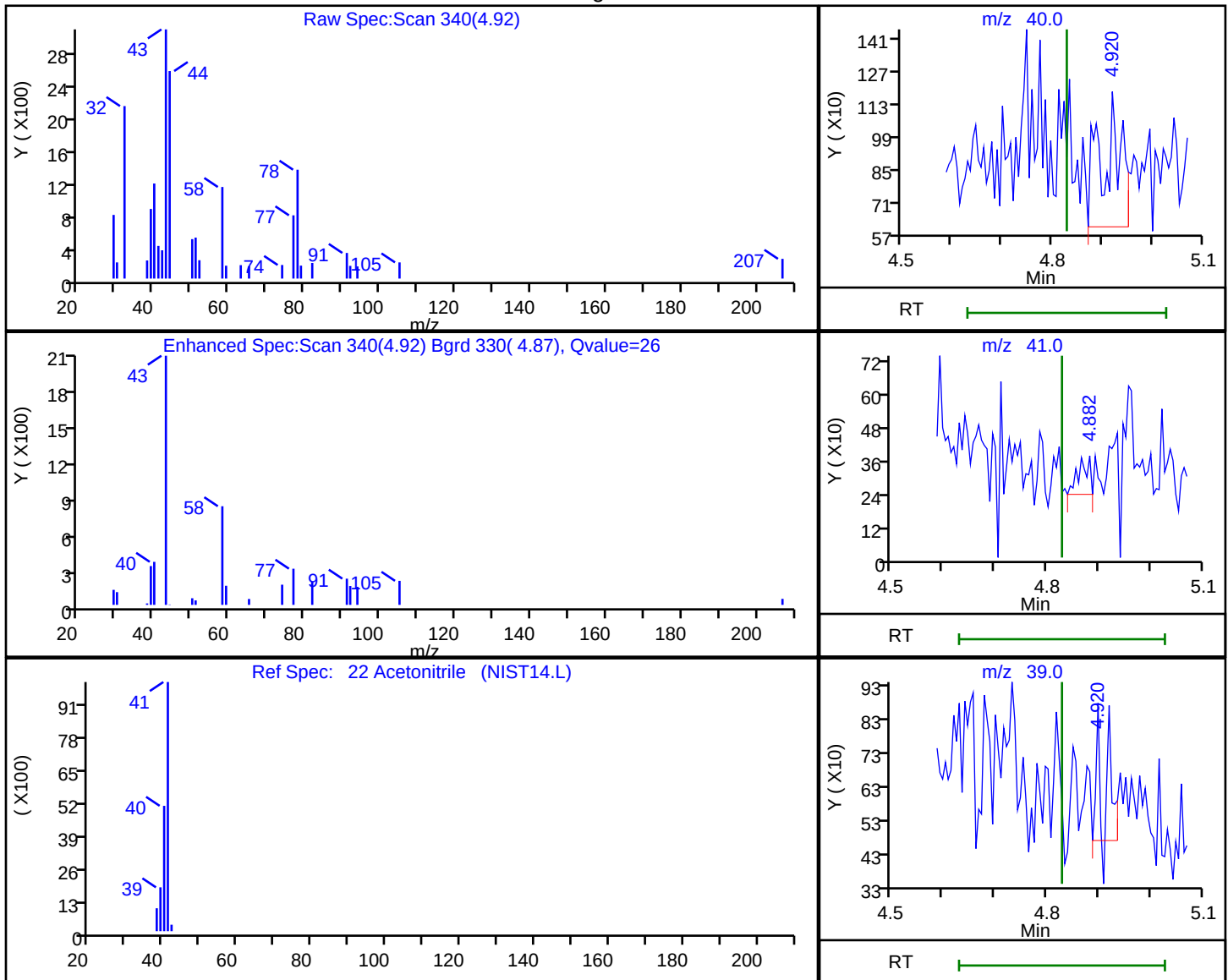


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19275.b\E20L23154.D
Injection Date: 20-May-2021 13:15:30 Instrument ID: MR
Lims ID: 140-23154-A-1 Lab Sample ID: 140-23154-1
Client ID: 10545
Operator ID: HMT ALS Bottle#: 17 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector: MS SCAN

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
4.92	40.00	1536	0.262749
4.88	41.00	200	
4.92	39.00	433	

Reviewer: khachitpongpanits, 21-May-2021 12:06:54

Audit Action: Marked Compound Undetected

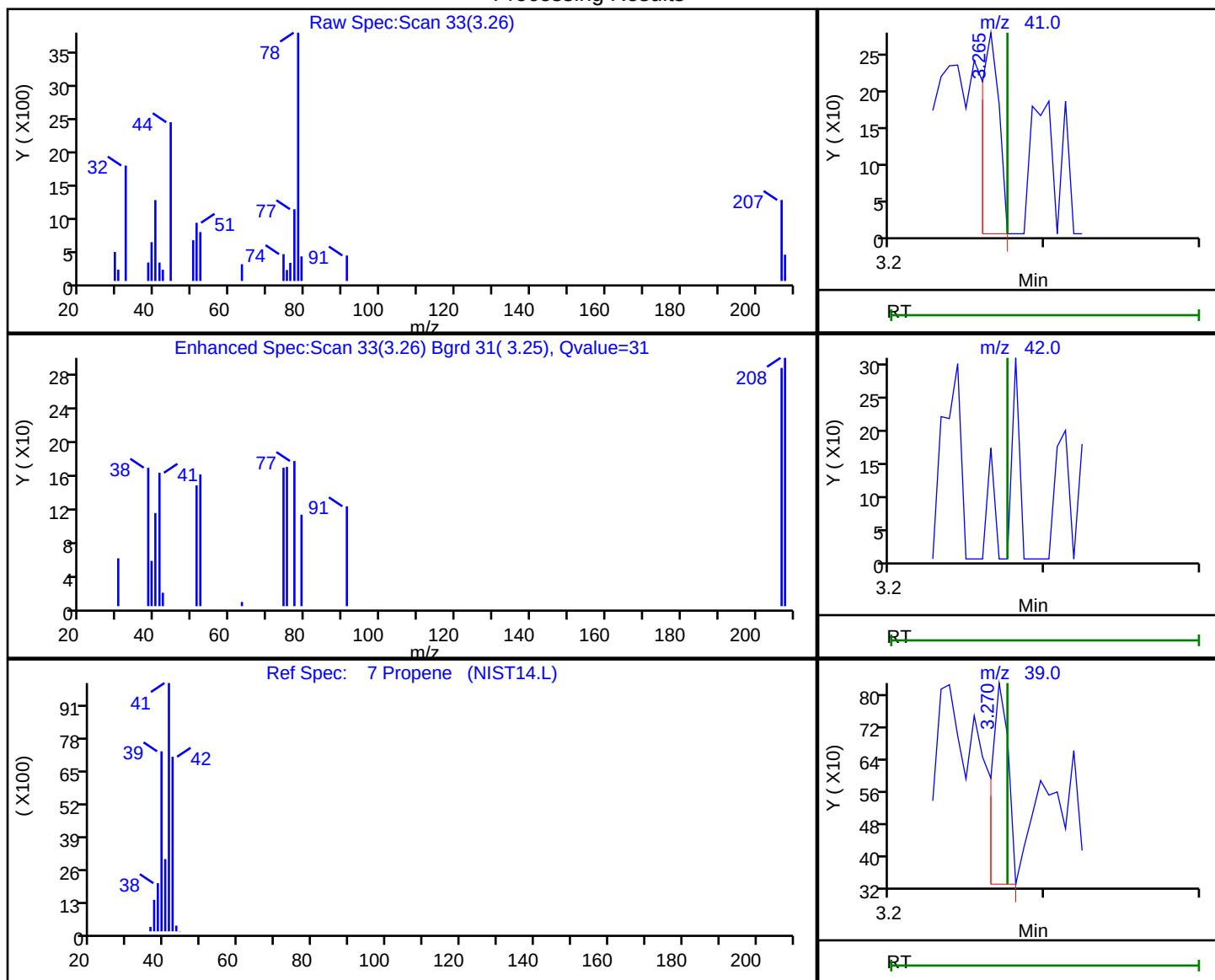
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210518-19275.b\E20L23154.D
Injection Date: 20-May-2021 13:15:30 Instrument ID: MR
Lims ID: 140-23154-A-1 Lab Sample ID: 140-23154-1
Client ID: 10545
Operator ID: HMT ALS Bottle#: 17 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector: MS SCAN

7 Propene, CAS: 115-07-1

Processing Results



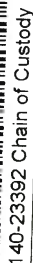
RT	Mass	Response	Amount
3.26	41.00	217	0.002379
3.28	42.00	0	
3.27	39.00	364	

Reviewer: khachitpongpanits, 21-May-2021 12:06:44

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Shipping and Receiving Documents



Form No. CA-C-WI-003, Rev. 2.23, dated 5/4/2020

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Loc: 140

Log In Number:

23392

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Are the shipping containers intact?	/			☐ Containers, Broken	
2. Were ambient air containers received intact?				☒ Checked in lab	
3. The coolers/containers custody seal if present, is it intact?	/			☐ Yes ☐ NA	
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10 °C) Thermometer ID : _____ Correction factor: _____			/	☐ Cooler Out of Temp, Client Contacted, Proceed/Cancel ☐ Cooler Out of Temp, Same Day Receipt	
5. Were all of the sample containers received intact?	/			☐ Containers, Broken	
6. Were samples received in appropriate containers?	/			☐ Containers, Improper; Client Contacted; Proceed/Cancel	
7. Do sample container labels match COC? (IDs, Dates, Times)	/			☐ COC & Samples Do Not Match ☐ COC Incorrect/Incomplete ☐ COC Not Received	
8. Were all of the samples listed on the COC received?	/			☐ Sample Received, Not on COC ☐ Sample on COC, Not Received	
9. Is the date/time of sample collection noted?	/			☐ COC; No Date/Time; Client Contacted	
10. Was the sampler identified on the COC?	/			☐ Sampler Not Listed on COC	
11. Is the client and project name/# identified?	/			☐ COC Incorrect/Incomplete	
12. Are tests/parameters listed for each sample?	/			☐ COC No tests on COC	
13. Is the matrix of the samples noted?	/			☐ COC Incorrect/Incomplete	
14. Was COC relinquished? (Signed/Dated/Timed)	/			☐ COC Incorrect/Incomplete	
15. Were samples received within holding time?	/			☐ Holding Time - Receipt	
16. Were samples received with correct chemical preservative (excluding Encore)?				☐ pH Adjusted, pH Included (See box 16A) ☐ Incorrect Preservative	
17. Were VOA samples received without headspace?			/	☐ Headspace (VOA only)	
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____			/	☐ Residual Chlorine	
19. For 1613B water samples is pH<9?			/	☐ If no, notify lab to adjust	
20. For rad samples was sample activity info. Provided?			/	☐ Project missing info	
Project #: <u>14001819</u> PM Instructions: _____					
Sample Receiving Associate: <u>SLH</u> Date: <u>6/9/21</u>					

Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative: _____	
Lot Number: _____	
Exp Date: _____	
Analyst: _____	
Date: _____	
Time: _____	

Labeling Verified by: _____ Date: _____

pH test strip lot number: _____

QA026R32.doc, 062719

Gauge ID: G5
Date: 6/9/2021

MS038 r14 6/19/15
06/15/2021