



October 26, 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 September through October 2021.

Routine Operation & Maintenance

Routine O&M activities were conducted on 9/14/21, 9/27/21, 10/12/21, and 10/25/21. 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 9/14/21 to 10/25/21:

PARAMETER	OBSERVED RANGE
VES-1A Vacuum ("WC)	-1.9 to -2.6
VES-2A Vacuum ("WC)	-2.5 to -3.0
VES-3A Vacuum ("WC)	-1.9 to -2.7
VES-4 Vacuum ("WC)	Closed
VES-5A Vacuum ("WC)	-2.0 to -2.1 *



Blower Discharge Flow (CFM)	324 to 384
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* - VES-5A was inaccessible on 10/25/21

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

9/14/21 - EAR was onsite for routine site inspection. The system was operating upon arrival to and departure from the site.

9/27/21 - EAR was onsite for routine site inspection. The system was operating upon arrival to and departure from the site.

10/12/21 - 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.

10/25/21 - EAR was onsite for routine site inspection. The system was operating upon arrival to and departure from the site.

Recovery & Emissions

System air samples were collected from the vapor-phase granular activated carbon (GAC) system's influent and effluent sample locations on 10/12/21. 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 (10/12/21):	9,600 ug/m ³
GAC Influent: Observed Tetrachloroethene Recovery (10/12/21):	0.280 lbs/day
GAC Influent: Observed Total VOC Concentration (10/12/21):	9,600 ug/m ³
GAC Influent: Observed Total VOC Recovery (10/12/21):	0.280 lbs/day
GAC Effluent: Observed Tetrachloroethene Concentration (10/12/21):	5.7 ug/m ³
GAC Effluent: Observed Tetrachloroethene Emissions (10/12/21):	0.0002 lbs/day
GAC Effluent: Observed Total VOC Concentration (10/12/21):	26.3 ug/m ³



GAC Effluent: Observed Total VOC Emissions (10/12/21):	0.001 lbs/day
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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,

A handwritten signature in black ink, appearing to read 'I. Hofmann'.

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 Recovery Rate				Trichloroethene Recovery Rate				1,2-Dichloroethene Recovery Rate				1,2-Dichloroethene Recovery Rate				Total VOC 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
08/16/21	360.0	8,300	0.01120	0.269	667.889	<29	0.00000	0.000	0.131	<72	0.00000	0.000	0.041	<49	0.00000	0.000	0.000	8,300	0.01120	0.269	769.918
10/12/21	324.0	9,600	0.01165	0.280	683.204	<44	0.00000	0.000	0.131	<108	0.00000	0.000	0.041	<73	0.00000	0.000	0.000	9,600	0.01165	0.280	785.233
AVERAGE:	362.2			0.333				0.000				0.000				0.000				0.382	

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



ENVIRONMENTAL
ASSESSMENT &
REMIEDIATIONS

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		Cumulative		Emissions Rate		Cumulative		Emissions Rate		Cumulative		Emissions Rate		Cumulative		Emissions Rate		Cumulative	
		PCE (ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	TCE (ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	1,2-DCE (ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	1,2-DCA (ug/M3)	(lbs/hr)	(lbs/day)	(lbs)	Total VOC (ug/M3)	(lbs/hr)	(lbs/day)	(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
08/16/21	360.0	<1.4	0.00000	0.0000	473.968	<0.48	0.00000	0.000	0.389	<1.19	0.0000	0.000	0.062	<0.81	0.00000	0.000	0.000	8.0	0.000	0.0003	573.154
10/12/21	324.0	5.7	0.00001	0.0002	473.968	<0.19	0.00000	0.000	0.389	<0.48	0.0000	0.000	0.062	<0.32	0.00000	0.000	0.000	26.3	0.000	0.001	573.169
AVERAGE:	362.2			0.220				0.000				0.000				0.000					0.269

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: 140-25006-1

Job Description: Ronhill Cleaners #130071

Contract Number: C100700

For:

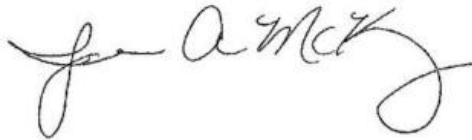
New York State D.E.C.

625 Broadway

12th Floor

Albany, NY 12233-7017

Attention: Ms. Caroline Jalanti (was Eigen)



Approved for release.
Jamie A McKinney
Senior Project Manager
10/25/2021 1:37 PM

Jamie A McKinney, Senior Project Manager
5815 Middlebrook Pike, Knoxville, TN, 37921
(865)291-3000
Jamie.McKinney@Eurofinset.com
10/25/2021

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: 140-25006-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

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
140-25006-1

Comments

No additional comments.

Receipt

The samples were received on 10/14/2021 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Canister asset number not listed on COC.

Air - GC/MS VOA

Methods TO 15 LL, 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 continuing calibration verification (CCV) associated with batch 140-54824 exhibited % difference of > 30% for the following analyte(s) 1,2-Dichloro-1,1,2,2-tetrafluoroethane and Tetrahydrofuran; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

Method TO 15 LL: The continuing calibration verification (CCV) associated with batch 140-54824 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects above the reporting limit (RL) for the affected analytes; therefore, the data have been reported.

Method TO 15 LL: The laboratory control sample (LCS) for analytical batch 140-54824 recovered outside control limits for several analytes. These analytes were biased high in the LCS and were not detected above the reporting limit (RL) in the associated samples; therefore, the data have been reported.

Methods TO 15 LL, TO-15: Although the BFB tune is flagged as outside control limits for TO-14A on batch 140-54949, 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: 140-25006-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-25006-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.37		0.080		ppb v/v	1		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	0.098		0.080		ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.30		0.20		ppb v/v	1		TO 15 LL	Total/NA
2-Butanone	0.32		0.32		ppb v/v	1		TO 15 LL	Total/NA
Benzene	1.1		0.080		ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.083		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
Cyclohexane	0.23		0.20		ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.36		0.080		ppb v/v	1		TO 15 LL	Total/NA
Ethanol	7.4		2.0		ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.090		0.080		ppb v/v	1		TO 15 LL	Total/NA
Hexane	0.39		0.20		ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.42		0.080		ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.20		0.080		ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.11		0.080		ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.66		0.12		ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.26		0.080		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	1.8		0.39		ug/m3	1		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	0.48		0.39		ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	1.4		0.93		ug/m3	1		TO 15 LL	Total/NA
2-Butanone	0.94		0.94		ug/m3	1		TO 15 LL	Total/NA
Benzene	3.4		0.26		ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.52		0.20		ug/m3	1		TO 15 LL	Total/NA
Chloromethane	1.5		0.41		ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.77		0.69		ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.8		0.40		ug/m3	1		TO 15 LL	Total/NA
Ethanol	14		3.8		ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.39		0.35		ug/m3	1		TO 15 LL	Total/NA
Hexane	1.4		0.70		ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.8		0.35		ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.86		0.35		ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	0.72		0.54		ug/m3	1		TO 15 LL	Total/NA
Toluene	2.5		0.45		ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.5		0.45		ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-25006-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1400		18		ppb v/v	11.31		TO 15 LL	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	9600		120		ug/m3	11.31		TO 15 LL	Total/NA

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-25006-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.44		0.20		ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.6		0.080		ppb v/v	1		TO 15 LL	Total/NA
Ethanol	5.3		2.0		ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.85		0.080		ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.32		0.080		ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 140-25006-1

Client Sample ID: GAC EFFLUENT (Continued)

Lab Sample ID: 140-25006-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.92		0.41		ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	7.9		0.40		ug/m3	1		TO 15 LL	Total/NA
Ethanol	10		3.8		ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	5.7		0.54		ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.8		0.45		ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 140-25006-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-25006-1

Date Collected: 10/12/21 12:10

Matrix: Air

Date Received: 10/14/21 14:00

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			10/19/21 22:47	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			10/19/21 22:47	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			10/19/21 22:47	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			10/19/21 22:47	1
1,1-Dichloroethane	ND		0.080		ppb v/v			10/19/21 22:47	1
1,1-Dichloroethene	ND		0.040		ppb v/v			10/19/21 22:47	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			10/19/21 22:47	1
1,2,4-Trimethylbenzene	0.37		0.080		ppb v/v			10/19/21 22:47	1
1,2-Dibromoethane	ND		0.080		ppb v/v			10/19/21 22:47	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			10/19/21 22:47	1
1,2-Dichloroethane	ND		0.080		ppb v/v			10/19/21 22:47	1
1,2-Dichloropropane	ND		0.080		ppb v/v			10/19/21 22:47	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			10/19/21 22:47	1
1,3,5-Trimethylbenzene	0.098		0.080		ppb v/v			10/19/21 22:47	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			10/19/21 22:47	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			10/19/21 22:47	1
1,4-Dioxane	ND		0.20		ppb v/v			10/19/21 22:47	1
2,2,4-Trimethylpentane	0.30		0.20		ppb v/v			10/19/21 22:47	1
2-Butanone	0.32		0.32		ppb v/v			10/19/21 22:47	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			10/19/21 22:47	1
Benzene	1.1		0.080		ppb v/v			10/19/21 22:47	1
Benzyl chloride	ND		0.16		ppb v/v			10/19/21 22:47	1
Bromodichloromethane	ND		0.080		ppb v/v			10/19/21 22:47	1
Bromoform	ND		0.080		ppb v/v			10/19/21 22:47	1
Bromomethane	ND	*+	0.080		ppb v/v			10/19/21 22:47	1
Carbon tetrachloride	0.083		0.032		ppb v/v			10/22/21 16:53	1
Chlorobenzene	ND		0.080		ppb v/v			10/19/21 22:47	1
Chloroethane	ND		0.080		ppb v/v			10/19/21 22:47	1
Chloroform	ND		0.080		ppb v/v			10/19/21 22:47	1
Chloromethane	0.70		0.20		ppb v/v			10/19/21 22:47	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			10/19/21 22:47	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			10/19/21 22:47	1
Cyclohexane	0.23		0.20		ppb v/v			10/19/21 22:47	1
Dibromochloromethane	ND	*+	0.080		ppb v/v			10/19/21 22:47	1
Dichlorodifluoromethane	0.36		0.080		ppb v/v			10/19/21 22:47	1
Ethanol	7.4		2.0		ppb v/v			10/19/21 22:47	1
Ethylbenzene	0.090		0.080		ppb v/v			10/19/21 22:47	1
Hexachlorobutadiene	ND		0.080		ppb v/v			10/19/21 22:47	1
Hexane	0.39		0.20		ppb v/v			10/19/21 22:47	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			10/19/21 22:47	1
Methylene Chloride	ND		0.40		ppb v/v			10/19/21 22:47	1
m-Xylene & p-Xylene	0.42		0.080		ppb v/v			10/19/21 22:47	1
Naphthalene	ND		0.20		ppb v/v			10/19/21 22:47	1
o-Xylene	0.20		0.080		ppb v/v			10/19/21 22:47	1
Styrene	ND		0.080		ppb v/v			10/19/21 22:47	1
t-Butyl alcohol	ND		0.32		ppb v/v			10/19/21 22:47	1
Tetrachloroethene	0.11		0.080		ppb v/v			10/19/21 22:47	1
Toluene	0.66		0.12		ppb v/v			10/19/21 22:47	1

Client Sample Results

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

Job ID: 140-25006-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-25006-1

Date Collected: 10/12/21 12:10

Matrix: Air

Date Received: 10/14/21 14:00

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			10/19/21 22:47	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			10/19/21 22:47	1
Trichloroethene	ND		0.036		ppb v/v			10/19/21 22:47	1
Trichlorofluoromethane	0.26		0.080		ppb v/v			10/19/21 22:47	1
Vinyl chloride	ND		0.040		ppb v/v			10/19/21 22:47	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			10/19/21 22:47	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			10/19/21 22:47	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			10/19/21 22:47	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			10/19/21 22:47	1
1,1-Dichloroethane	ND		0.32		ug/m3			10/19/21 22:47	1
1,1-Dichloroethene	ND		0.16		ug/m3			10/19/21 22:47	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			10/19/21 22:47	1
1,2,4-Trimethylbenzene	1.8		0.39		ug/m3			10/19/21 22:47	1
1,2-Dibromoethane	ND		0.61		ug/m3			10/19/21 22:47	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			10/19/21 22:47	1
1,2-Dichloroethane	ND		0.32		ug/m3			10/19/21 22:47	1
1,2-Dichloropropane	ND		0.37		ug/m3			10/19/21 22:47	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			10/19/21 22:47	1
1,3,5-Trimethylbenzene	0.48		0.39		ug/m3			10/19/21 22:47	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			10/19/21 22:47	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			10/19/21 22:47	1
1,4-Dioxane	ND		0.72		ug/m3			10/19/21 22:47	1
2,2,4-Trimethylpentane	1.4		0.93		ug/m3			10/19/21 22:47	1
2-Butanone	0.94		0.94		ug/m3			10/19/21 22:47	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			10/19/21 22:47	1
Benzene	3.4		0.26		ug/m3			10/19/21 22:47	1
Benzyl chloride	ND		0.83		ug/m3			10/19/21 22:47	1
Bromodichloromethane	ND		0.54		ug/m3			10/19/21 22:47	1
Bromoform	ND		0.83		ug/m3			10/19/21 22:47	1
Bromomethane	ND	*+	0.31		ug/m3			10/19/21 22:47	1
Carbon tetrachloride	0.52		0.20		ug/m3			10/22/21 16:53	1
Chlorobenzene	ND		0.37		ug/m3			10/19/21 22:47	1
Chloroethane	ND		0.21		ug/m3			10/19/21 22:47	1
Chloroform	ND		0.39		ug/m3			10/19/21 22:47	1
Chloromethane	1.5		0.41		ug/m3			10/19/21 22:47	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			10/19/21 22:47	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			10/19/21 22:47	1
Cyclohexane	0.77		0.69		ug/m3			10/19/21 22:47	1
Dibromochloromethane	ND	*+	0.68		ug/m3			10/19/21 22:47	1
Dichlorodifluoromethane	1.8		0.40		ug/m3			10/19/21 22:47	1
Ethanol	14		3.8		ug/m3			10/19/21 22:47	1
Ethylbenzene	0.39		0.35		ug/m3			10/19/21 22:47	1
Hexachlorobutadiene	ND		0.85		ug/m3			10/19/21 22:47	1
Hexane	1.4		0.70		ug/m3			10/19/21 22:47	1
Methyl tert-butyl ether	ND		0.58		ug/m3			10/19/21 22:47	1
Methylene Chloride	ND		1.4		ug/m3			10/19/21 22:47	1
m-Xylene & p-Xylene	1.8		0.35		ug/m3			10/19/21 22:47	1

Client Sample Results

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

Job ID: 140-25006-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-25006-1

Date Collected: 10/12/21 12:10

Matrix: Air

Date Received: 10/14/21 14:00

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			10/19/21 22:47	1
o-Xylene	0.86		0.35		ug/m3			10/19/21 22:47	1
Styrene	ND		0.34		ug/m3			10/19/21 22:47	1
t-Butyl alcohol	ND		0.97		ug/m3			10/19/21 22:47	1
Tetrachloroethene	0.72		0.54		ug/m3			10/19/21 22:47	1
Toluene	2.5		0.45		ug/m3			10/19/21 22:47	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			10/19/21 22:47	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			10/19/21 22:47	1
Trichloroethene	ND		0.19		ug/m3			10/19/21 22:47	1
Trichlorofluoromethane	1.5		0.45		ug/m3			10/19/21 22:47	1
Vinyl chloride	ND		0.10		ug/m3			10/19/21 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		60 - 140					10/19/21 22:47	1
4-Bromofluorobenzene (Surr)	99		60 - 140					10/22/21 16:53	1

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-25006-2

Date Collected: 10/12/21 12:15

Matrix: Air

Date Received: 10/14/21 14:00

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		18		ppb v/v			10/19/21 23:34	11.31
1,1,2,2-Tetrachloroethane	ND		18		ppb v/v			10/19/21 23:34	11.31
1,1,2-Trichloroethane	ND		18		ppb v/v			10/19/21 23:34	11.31
1,1,2-Trichlorotrifluoroethane	ND		18		ppb v/v			10/19/21 23:34	11.31
1,1-Dichloroethane	ND		18		ppb v/v			10/19/21 23:34	11.31
1,1-Dichloroethene	ND		9.0		ppb v/v			10/19/21 23:34	11.31
1,2,4-Trichlorobenzene	ND		18		ppb v/v			10/19/21 23:34	11.31
1,2,4-Trimethylbenzene	ND		18		ppb v/v			10/19/21 23:34	11.31
1,2-Dibromoethane	ND		18		ppb v/v			10/19/21 23:34	11.31
1,2-Dichlorobenzene	ND		18		ppb v/v			10/19/21 23:34	11.31
1,2-Dichloroethane	ND		18		ppb v/v			10/19/21 23:34	11.31
1,2-Dichloropropane	ND		18		ppb v/v			10/19/21 23:34	11.31
1,2-Dichlorotetrafluoroethane	ND		18		ppb v/v			10/19/21 23:34	11.31
1,3,5-Trimethylbenzene	ND		18		ppb v/v			10/19/21 23:34	11.31
1,3-Dichlorobenzene	ND		18		ppb v/v			10/19/21 23:34	11.31
1,4-Dichlorobenzene	ND		18		ppb v/v			10/19/21 23:34	11.31
1,4-Dioxane	ND		45		ppb v/v			10/19/21 23:34	11.31
2,2,4-Trimethylpentane	ND		45		ppb v/v			10/19/21 23:34	11.31
2-Butanone	ND		72		ppb v/v			10/19/21 23:34	11.31
4-Methyl-2-pentanone (MIBK)	ND		45		ppb v/v			10/19/21 23:34	11.31
Benzene	ND		18		ppb v/v			10/19/21 23:34	11.31
Benzyl chloride	ND		36		ppb v/v			10/19/21 23:34	11.31
Bromodichloromethane	ND		18		ppb v/v			10/19/21 23:34	11.31
Bromoform	ND		18		ppb v/v			10/19/21 23:34	11.31
Bromomethane	ND	*+	18		ppb v/v			10/19/21 23:34	11.31
Carbon tetrachloride	ND	*+	7.2		ppb v/v			10/19/21 23:34	11.31

Client Sample Results

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

Job ID: 140-25006-1

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-25006-2

Date Collected: 10/12/21 12:15

Matrix: Air

Date Received: 10/14/21 14:00

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
Chlorobenzene	ND		18		ppb v/v			10/19/21 23:34	11.31
Chloroethane	ND		18		ppb v/v			10/19/21 23:34	11.31
Chloroform	ND		18		ppb v/v			10/19/21 23:34	11.31
Chloromethane	ND		45		ppb v/v			10/19/21 23:34	11.31
cis-1,2-Dichloroethene	ND		9.0		ppb v/v			10/19/21 23:34	11.31
cis-1,3-Dichloropropene	ND		18		ppb v/v			10/19/21 23:34	11.31
Cyclohexane	ND		45		ppb v/v			10/19/21 23:34	11.31
Dibromochloromethane	ND	*+	18		ppb v/v			10/19/21 23:34	11.31
Dichlorodifluoromethane	ND		18		ppb v/v			10/19/21 23:34	11.31
Ethanol	ND		450		ppb v/v			10/19/21 23:34	11.31
Ethylbenzene	ND		18		ppb v/v			10/19/21 23:34	11.31
Hexachlorobutadiene	ND		18		ppb v/v			10/19/21 23:34	11.31
Hexane	ND		45		ppb v/v			10/19/21 23:34	11.31
Methyl tert-butyl ether	ND		36		ppb v/v			10/19/21 23:34	11.31
Methylene Chloride	ND		90		ppb v/v			10/19/21 23:34	11.31
m-Xylene & p-Xylene	ND		18		ppb v/v			10/19/21 23:34	11.31
Naphthalene	ND		45		ppb v/v			10/19/21 23:34	11.31
o-Xylene	ND		18		ppb v/v			10/19/21 23:34	11.31
Styrene	ND		18		ppb v/v			10/19/21 23:34	11.31
t-Butyl alcohol	ND		72		ppb v/v			10/19/21 23:34	11.31
Tetrachloroethene	1400		18		ppb v/v			10/19/21 23:34	11.31
Toluene	ND		27		ppb v/v			10/19/21 23:34	11.31
trans-1,2-Dichloroethene	ND		18		ppb v/v			10/19/21 23:34	11.31
trans-1,3-Dichloropropene	ND		18		ppb v/v			10/19/21 23:34	11.31
Trichloroethene	ND		8.1		ppb v/v			10/19/21 23:34	11.31
Trichlorofluoromethane	ND		18		ppb v/v			10/19/21 23:34	11.31
Vinyl chloride	ND		9.0		ppb v/v			10/19/21 23:34	11.31
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		99		ug/m3			10/19/21 23:34	11.31
1,1,2,2-Tetrachloroethane	ND		120		ug/m3			10/19/21 23:34	11.31
1,1,2-Trichloroethane	ND		99		ug/m3			10/19/21 23:34	11.31
1,1,2-Trichlorotrifluoroethane	ND		140		ug/m3			10/19/21 23:34	11.31
1,1-Dichloroethane	ND		73		ug/m3			10/19/21 23:34	11.31
1,1-Dichloroethene	ND		36		ug/m3			10/19/21 23:34	11.31
1,2,4-Trichlorobenzene	ND		130		ug/m3			10/19/21 23:34	11.31
1,2,4-Trimethylbenzene	ND		89		ug/m3			10/19/21 23:34	11.31
1,2-Dibromoethane	ND		140		ug/m3			10/19/21 23:34	11.31
1,2-Dichlorobenzene	ND		110		ug/m3			10/19/21 23:34	11.31
1,2-Dichloroethane	ND		73		ug/m3			10/19/21 23:34	11.31
1,2-Dichloropropane	ND		84		ug/m3			10/19/21 23:34	11.31
1,2-Dichlorotetrafluoroethane	ND		130		ug/m3			10/19/21 23:34	11.31
1,3,5-Trimethylbenzene	ND		89		ug/m3			10/19/21 23:34	11.31
1,3-Dichlorobenzene	ND		110		ug/m3			10/19/21 23:34	11.31
1,4-Dichlorobenzene	ND		110		ug/m3			10/19/21 23:34	11.31
1,4-Dioxane	ND		160		ug/m3			10/19/21 23:34	11.31
2,2,4-Trimethylpentane	ND		210		ug/m3			10/19/21 23:34	11.31
2-Butanone	ND		210		ug/m3			10/19/21 23:34	11.31
4-Methyl-2-pentanone (MIBK)	ND		190		ug/m3			10/19/21 23:34	11.31

Client Sample Results

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

Job ID: 140-25006-1

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-25006-2

Date Collected: 10/12/21 12:15

Matrix: Air

Date Received: 10/14/21 14:00

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
Benzene	ND		58		ug/m3			10/19/21 23:34	11.31
Benzyl chloride	ND		190		ug/m3			10/19/21 23:34	11.31
Bromodichloromethane	ND		120		ug/m3			10/19/21 23:34	11.31
Bromoform	ND		190		ug/m3			10/19/21 23:34	11.31
Bromomethane	ND	*+	70		ug/m3			10/19/21 23:34	11.31
Carbon tetrachloride	ND	*+	46		ug/m3			10/19/21 23:34	11.31
Chlorobenzene	ND		83		ug/m3			10/19/21 23:34	11.31
Chloroethane	ND		48		ug/m3			10/19/21 23:34	11.31
Chloroform	ND		88		ug/m3			10/19/21 23:34	11.31
Chloromethane	ND		93		ug/m3			10/19/21 23:34	11.31
cis-1,2-Dichloroethene	ND		36		ug/m3			10/19/21 23:34	11.31
cis-1,3-Dichloropropene	ND		82		ug/m3			10/19/21 23:34	11.31
Cyclohexane	ND		160		ug/m3			10/19/21 23:34	11.31
Dibromochloromethane	ND	*+	150		ug/m3			10/19/21 23:34	11.31
Dichlorodifluoromethane	ND		89		ug/m3			10/19/21 23:34	11.31
Ethanol	ND		850		ug/m3			10/19/21 23:34	11.31
Ethylbenzene	ND		79		ug/m3			10/19/21 23:34	11.31
Hexachlorobutadiene	ND		190		ug/m3			10/19/21 23:34	11.31
Hexane	ND		160		ug/m3			10/19/21 23:34	11.31
Methyl tert-butyl ether	ND		130		ug/m3			10/19/21 23:34	11.31
Methylene Chloride	ND		310		ug/m3			10/19/21 23:34	11.31
m-Xylene & p-Xylene	ND		79		ug/m3			10/19/21 23:34	11.31
Naphthalene	ND		240		ug/m3			10/19/21 23:34	11.31
o-Xylene	ND		79		ug/m3			10/19/21 23:34	11.31
Styrene	ND		77		ug/m3			10/19/21 23:34	11.31
t-Butyl alcohol	ND		220		ug/m3			10/19/21 23:34	11.31
Tetrachloroethene	9600		120		ug/m3			10/19/21 23:34	11.31
Toluene	ND		100		ug/m3			10/19/21 23:34	11.31
trans-1,2-Dichloroethene	ND		72		ug/m3			10/19/21 23:34	11.31
trans-1,3-Dichloropropene	ND		82		ug/m3			10/19/21 23:34	11.31
Trichloroethene	ND		44		ug/m3			10/19/21 23:34	11.31
Trichlorofluoromethane	ND		100		ug/m3			10/19/21 23:34	11.31
Vinyl chloride	ND		23		ug/m3			10/19/21 23:34	11.31

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		60 - 140		10/19/21 23:34	11.31

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-25006-3

Date Collected: 10/12/21 12:20

Matrix: Air

Date Received: 10/14/21 14:00

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			10/20/21 00:23	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			10/20/21 00:23	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			10/20/21 00:23	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			10/20/21 00:23	1
1,1-Dichloroethane	ND		0.080		ppb v/v			10/20/21 00:23	1

Client Sample Results

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

Job ID: 140-25006-1

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-25006-3

Date Collected: 10/12/21 12:20

Matrix: Air

Date Received: 10/14/21 14:00

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
1,1-Dichloroethene	ND		0.040		ppb v/v			10/20/21 00:23	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			10/20/21 00:23	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			10/20/21 00:23	1
1,2-Dibromoethane	ND		0.080		ppb v/v			10/20/21 00:23	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			10/20/21 00:23	1
1,2-Dichloroethane	ND		0.080		ppb v/v			10/20/21 00:23	1
1,2-Dichloropropane	ND		0.080		ppb v/v			10/20/21 00:23	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			10/20/21 00:23	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			10/20/21 00:23	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			10/20/21 00:23	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			10/20/21 00:23	1
1,4-Dioxane	ND		0.20		ppb v/v			10/20/21 00:23	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			10/20/21 00:23	1
2-Butanone	ND		0.32		ppb v/v			10/20/21 00:23	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			10/20/21 00:23	1
Benzene	ND		0.080		ppb v/v			10/20/21 00:23	1
Benzyl chloride	ND		0.16		ppb v/v			10/20/21 00:23	1
Bromodichloromethane	ND		0.080		ppb v/v			10/20/21 00:23	1
Bromoform	ND		0.080		ppb v/v			10/20/21 00:23	1
Bromomethane	ND	*+	0.080		ppb v/v			10/20/21 00:23	1
Carbon tetrachloride	ND	*+	0.032		ppb v/v			10/20/21 00:23	1
Chlorobenzene	ND		0.080		ppb v/v			10/20/21 00:23	1
Chloroethane	ND		0.080		ppb v/v			10/20/21 00:23	1
Chloroform	ND		0.080		ppb v/v			10/20/21 00:23	1
Chloromethane	0.44		0.20		ppb v/v			10/20/21 00:23	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			10/20/21 00:23	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			10/20/21 00:23	1
Cyclohexane	ND		0.20		ppb v/v			10/20/21 00:23	1
Dibromochloromethane	ND	*+	0.080		ppb v/v			10/20/21 00:23	1
Dichlorodifluoromethane	1.6		0.080		ppb v/v			10/20/21 00:23	1
Ethanol	5.3		2.0		ppb v/v			10/20/21 00:23	1
Ethylbenzene	ND		0.080		ppb v/v			10/20/21 00:23	1
Hexachlorobutadiene	ND		0.080		ppb v/v			10/20/21 00:23	1
Hexane	ND		0.20		ppb v/v			10/20/21 00:23	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			10/20/21 00:23	1
Methylene Chloride	ND		0.40		ppb v/v			10/20/21 00:23	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			10/20/21 00:23	1
Naphthalene	ND		0.20		ppb v/v			10/20/21 00:23	1
o-Xylene	ND		0.080		ppb v/v			10/20/21 00:23	1
Styrene	ND		0.080		ppb v/v			10/20/21 00:23	1
t-Butyl alcohol	ND		0.32		ppb v/v			10/20/21 00:23	1
Tetrachloroethene	0.85		0.080		ppb v/v			10/20/21 00:23	1
Toluene	ND		0.12		ppb v/v			10/20/21 00:23	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			10/20/21 00:23	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			10/20/21 00:23	1
Trichloroethene	ND		0.036		ppb v/v			10/20/21 00:23	1
Trichlorofluoromethane	0.32		0.080		ppb v/v			10/20/21 00:23	1
Vinyl chloride	ND		0.040		ppb v/v			10/20/21 00:23	1

Client Sample Results

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

Job ID: 140-25006-1

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-25006-3

Date Collected: 10/12/21 12:20

Matrix: Air

Date Received: 10/14/21 14:00

Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			10/20/21 00:23	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			10/20/21 00:23	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			10/20/21 00:23	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			10/20/21 00:23	1
1,1-Dichloroethane	ND		0.32		ug/m3			10/20/21 00:23	1
1,1-Dichloroethene	ND		0.16		ug/m3			10/20/21 00:23	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			10/20/21 00:23	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			10/20/21 00:23	1
1,2-Dibromoethane	ND		0.61		ug/m3			10/20/21 00:23	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			10/20/21 00:23	1
1,2-Dichloroethane	ND		0.32		ug/m3			10/20/21 00:23	1
1,2-Dichloropropane	ND		0.37		ug/m3			10/20/21 00:23	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			10/20/21 00:23	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			10/20/21 00:23	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			10/20/21 00:23	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			10/20/21 00:23	1
1,4-Dioxane	ND		0.72		ug/m3			10/20/21 00:23	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			10/20/21 00:23	1
2-Butanone	ND		0.94		ug/m3			10/20/21 00:23	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			10/20/21 00:23	1
Benzene	ND		0.26		ug/m3			10/20/21 00:23	1
Benzyl chloride	ND		0.83		ug/m3			10/20/21 00:23	1
Bromodichloromethane	ND		0.54		ug/m3			10/20/21 00:23	1
Bromoform	ND		0.83		ug/m3			10/20/21 00:23	1
Bromomethane	ND	*+	0.31		ug/m3			10/20/21 00:23	1
Carbon tetrachloride	ND	*+	0.20		ug/m3			10/20/21 00:23	1
Chlorobenzene	ND		0.37		ug/m3			10/20/21 00:23	1
Chloroethane	ND		0.21		ug/m3			10/20/21 00:23	1
Chloroform	ND		0.39		ug/m3			10/20/21 00:23	1
Chloromethane	0.92		0.41		ug/m3			10/20/21 00:23	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			10/20/21 00:23	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			10/20/21 00:23	1
Cyclohexane	ND		0.69		ug/m3			10/20/21 00:23	1
Dibromochloromethane	ND	*+	0.68		ug/m3			10/20/21 00:23	1
Dichlorodifluoromethane	7.9		0.40		ug/m3			10/20/21 00:23	1
Ethanol	10		3.8		ug/m3			10/20/21 00:23	1
Ethylbenzene	ND		0.35		ug/m3			10/20/21 00:23	1
Hexachlorobutadiene	ND		0.85		ug/m3			10/20/21 00:23	1
Hexane	ND		0.70		ug/m3			10/20/21 00:23	1
Methyl tert-butyl ether	ND		0.58		ug/m3			10/20/21 00:23	1
Methylene Chloride	ND		1.4		ug/m3			10/20/21 00:23	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			10/20/21 00:23	1
Naphthalene	ND		1.0		ug/m3			10/20/21 00:23	1
o-Xylene	ND		0.35		ug/m3			10/20/21 00:23	1
Styrene	ND		0.34		ug/m3			10/20/21 00:23	1
t-Butyl alcohol	ND		0.97		ug/m3			10/20/21 00:23	1
Tetrachloroethene	5.7		0.54		ug/m3			10/20/21 00:23	1
Toluene	ND		0.45		ug/m3			10/20/21 00:23	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			10/20/21 00:23	1

Client Sample Results

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

Job ID: 140-25006-1

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-25006-3

Date Collected: 10/12/21 12:20

Matrix: Air

Date Received: 10/14/21 14:00

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-1,3-Dichloropropene	ND		0.36		ug/m3			10/20/21 00:23	1
Trichloroethene	ND		0.19		ug/m3			10/20/21 00:23	1
Trichlorofluoromethane	1.8		0.45		ug/m3			10/20/21 00:23	1
Vinyl chloride	ND		0.10		ug/m3			10/20/21 00:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		60 - 140					10/20/21 00:23	1

Default Detection Limits

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

Job ID: 140-25006-1

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: 140-25006-1

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: 140-25006-1

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)
140-25006-1	EQUIPMENT BLANK	104
140-25006-1	EQUIPMENT BLANK	99
140-25006-2	GAC INFLUENT	94
140-25006-3	GAC EFFLUENT	102
LCS 140-54824/1002	Lab Control Sample	107
LCS 140-54949/1002	Lab Control Sample	95
MB 140-54824/4	Method Blank	94
MB 140-54949/4	Method Blank	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

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

Job ID: 140-25006-1

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

Lab Sample ID: MB 140-54824/4

Matrix: Air

Analysis Batch: 54824

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			10/19/21 12:21	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			10/19/21 12:21	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			10/19/21 12:21	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			10/19/21 12:21	1
1,1-Dichloroethane	ND		0.080		ppb v/v			10/19/21 12:21	1
1,1-Dichloroethene	ND		0.040		ppb v/v			10/19/21 12:21	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			10/19/21 12:21	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			10/19/21 12:21	1
1,2-Dibromoethane	ND		0.080		ppb v/v			10/19/21 12:21	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			10/19/21 12:21	1
1,2-Dichloroethane	ND		0.080		ppb v/v			10/19/21 12:21	1
1,2-Dichloropropane	ND		0.080		ppb v/v			10/19/21 12:21	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			10/19/21 12:21	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			10/19/21 12:21	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			10/19/21 12:21	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			10/19/21 12:21	1
1,4-Dioxane	ND		0.20		ppb v/v			10/19/21 12:21	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			10/19/21 12:21	1
2-Butanone	ND		0.32		ppb v/v			10/19/21 12:21	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			10/19/21 12:21	1
Benzene	ND		0.080		ppb v/v			10/19/21 12:21	1
Benzyl chloride	ND		0.16		ppb v/v			10/19/21 12:21	1
Bromodichloromethane	ND		0.080		ppb v/v			10/19/21 12:21	1
Bromoform	ND		0.080		ppb v/v			10/19/21 12:21	1
Bromomethane	ND		0.080		ppb v/v			10/19/21 12:21	1
Carbon tetrachloride	ND		0.032		ppb v/v			10/19/21 12:21	1
Chlorobenzene	ND		0.080		ppb v/v			10/19/21 12:21	1
Chloroethane	ND		0.080		ppb v/v			10/19/21 12:21	1
Chloroform	ND		0.080		ppb v/v			10/19/21 12:21	1
Chloromethane	ND		0.20		ppb v/v			10/19/21 12:21	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			10/19/21 12:21	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			10/19/21 12:21	1
Cyclohexane	ND		0.20		ppb v/v			10/19/21 12:21	1
Dibromochloromethane	ND		0.080		ppb v/v			10/19/21 12:21	1
Dichlorodifluoromethane	ND		0.080		ppb v/v			10/19/21 12:21	1
Ethanol	ND		2.0		ppb v/v			10/19/21 12:21	1
Ethylbenzene	ND		0.080		ppb v/v			10/19/21 12:21	1
Hexachlorobutadiene	ND		0.080		ppb v/v			10/19/21 12:21	1
Hexane	ND		0.20		ppb v/v			10/19/21 12:21	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			10/19/21 12:21	1
Methylene Chloride	ND		0.40		ppb v/v			10/19/21 12:21	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			10/19/21 12:21	1
Naphthalene	ND		0.20		ppb v/v			10/19/21 12:21	1
o-Xylene	ND		0.080		ppb v/v			10/19/21 12:21	1
Styrene	ND		0.080		ppb v/v			10/19/21 12:21	1
t-Butyl alcohol	ND		0.32		ppb v/v			10/19/21 12:21	1
Tetrachloroethene	ND		0.080		ppb v/v			10/19/21 12:21	1
Toluene	ND		0.12		ppb v/v			10/19/21 12:21	1

QC Sample Results

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

Job ID: 140-25006-1

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

Lab Sample ID: MB 140-54824/4
Matrix: Air
Analysis Batch: 54824

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			10/19/21 12:21	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			10/19/21 12:21	1
Trichloroethene	ND		0.036		ppb v/v			10/19/21 12:21	1
Trichlorofluoromethane	ND		0.080		ppb v/v			10/19/21 12:21	1
Vinyl chloride	ND		0.040		ppb v/v			10/19/21 12:21	1
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		0.44		ug/m3			10/19/21 12:21	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			10/19/21 12:21	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			10/19/21 12:21	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			10/19/21 12:21	1
1,1-Dichloroethane	ND		0.32		ug/m3			10/19/21 12:21	1
1,1-Dichloroethene	ND		0.16		ug/m3			10/19/21 12:21	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			10/19/21 12:21	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			10/19/21 12:21	1
1,2-Dibromoethane	ND		0.61		ug/m3			10/19/21 12:21	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			10/19/21 12:21	1
1,2-Dichloroethane	ND		0.32		ug/m3			10/19/21 12:21	1
1,2-Dichloropropane	ND		0.37		ug/m3			10/19/21 12:21	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			10/19/21 12:21	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			10/19/21 12:21	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			10/19/21 12:21	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			10/19/21 12:21	1
1,4-Dioxane	ND		0.72		ug/m3			10/19/21 12:21	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			10/19/21 12:21	1
2-Butanone	ND		0.94		ug/m3			10/19/21 12:21	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			10/19/21 12:21	1
Benzene	ND		0.26		ug/m3			10/19/21 12:21	1
Benzyl chloride	ND		0.83		ug/m3			10/19/21 12:21	1
Bromodichloromethane	ND		0.54		ug/m3			10/19/21 12:21	1
Bromoform	ND		0.83		ug/m3			10/19/21 12:21	1
Bromomethane	ND		0.31		ug/m3			10/19/21 12:21	1
Carbon tetrachloride	ND		0.20		ug/m3			10/19/21 12:21	1
Chlorobenzene	ND		0.37		ug/m3			10/19/21 12:21	1
Chloroethane	ND		0.21		ug/m3			10/19/21 12:21	1
Chloroform	ND		0.39		ug/m3			10/19/21 12:21	1
Chloromethane	ND		0.41		ug/m3			10/19/21 12:21	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			10/19/21 12:21	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			10/19/21 12:21	1
Cyclohexane	ND		0.69		ug/m3			10/19/21 12:21	1
Dibromochloromethane	ND		0.68		ug/m3			10/19/21 12:21	1
Dichlorodifluoromethane	ND		0.40		ug/m3			10/19/21 12:21	1
Ethanol	ND		3.8		ug/m3			10/19/21 12:21	1
Ethylbenzene	ND		0.35		ug/m3			10/19/21 12:21	1
Hexachlorobutadiene	ND		0.85		ug/m3			10/19/21 12:21	1
Hexane	ND		0.70		ug/m3			10/19/21 12:21	1
Methyl tert-butyl ether	ND		0.58		ug/m3			10/19/21 12:21	1

QC Sample Results

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

Job ID: 140-25006-1

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

Lab Sample ID: MB 140-54824/4
Matrix: Air
Analysis Batch: 54824

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	ND		1.4		ug/m3			10/19/21 12:21	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			10/19/21 12:21	1
Naphthalene	ND		1.0		ug/m3			10/19/21 12:21	1
o-Xylene	ND		0.35		ug/m3			10/19/21 12:21	1
Styrene	ND		0.34		ug/m3			10/19/21 12:21	1
t-Butyl alcohol	ND		0.97		ug/m3			10/19/21 12:21	1
Tetrachloroethene	ND		0.54		ug/m3			10/19/21 12:21	1
Toluene	ND		0.45		ug/m3			10/19/21 12:21	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			10/19/21 12:21	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			10/19/21 12:21	1
Trichloroethene	ND		0.19		ug/m3			10/19/21 12:21	1
Trichlorofluoromethane	ND		0.45		ug/m3			10/19/21 12:21	1
Vinyl chloride	ND		0.10		ug/m3			10/19/21 12:21	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	94		60 - 140				10/19/21 12:21	1	

Lab Sample ID: LCS 140-54824/1002
Matrix: Air
Analysis Batch: 54824

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1-Trichloroethane	2.00	2.06		ppb v/v		103	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.39		ppb v/v		120	70 - 130
1,1,2-Trichloroethane	2.00	2.24		ppb v/v		112	70 - 130
1,1,2-Trichlorotrifluoroethane	2.00	2.24		ppb v/v		112	70 - 130
1,1-Dichloroethane	2.00	1.83		ppb v/v		92	70 - 130
1,1-Dichloroethene	2.00	2.00		ppb v/v		100	70 - 130
1,2,4-Trichlorobenzene	2.00	2.22		ppb v/v		111	60 - 140
1,2,4-Trimethylbenzene	2.00	2.54		ppb v/v		127	70 - 130
1,2-Dibromoethane	2.00	2.34		ppb v/v		117	70 - 130
1,2-Dichlorobenzene	2.00	2.50		ppb v/v		125	70 - 130
1,2-Dichloroethane	2.00	1.95		ppb v/v		97	70 - 130
1,2-Dichloropropane	2.00	1.88		ppb v/v		94	70 - 130
1,2-Dichlorotetrafluoroethane	2.00	2.78		ppb v/v		139	60 - 140
1,3,5-Trimethylbenzene	2.00	2.57		ppb v/v		129	70 - 130
1,3-Dichlorobenzene	2.00	2.45		ppb v/v		123	70 - 130
1,4-Dichlorobenzene	2.00	2.43		ppb v/v		121	70 - 130
1,4-Dioxane	2.00	1.68		ppb v/v		84	60 - 140
2,2,4-Trimethylpentane	2.00	1.67		ppb v/v		84	70 - 130
2-Butanone	2.00	1.53		ppb v/v		76	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	1.47		ppb v/v		73	60 - 140
Benzene	2.00	2.04		ppb v/v		102	70 - 130
Benzyl chloride	2.00	2.28		ppb v/v		114	70 - 130
Bromodichloromethane	2.00	2.27		ppb v/v		114	70 - 130
Bromoform	2.00	2.40		ppb v/v		120	60 - 140
Bromomethane	2.00	3.09	*+	ppb v/v		154	70 - 130

QC Sample Results

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

Job ID: 140-25006-1

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

Lab Sample ID: LCS 140-54824/1002
Matrix: Air
Analysis Batch: 54824

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
Carbon tetrachloride	2.00	3.16	*+	ppb v/v		158	70 - 130
Chlorobenzene	2.00	2.44		ppb v/v		122	70 - 130
Chloroethane	2.00	2.52		ppb v/v		126	70 - 130
Chloroform	2.00	2.04		ppb v/v		102	70 - 130
Chloromethane	2.00	2.47		ppb v/v		123	60 - 140
cis-1,2-Dichloroethene	2.00	1.90		ppb v/v		95	70 - 130
cis-1,3-Dichloropropene	2.00	2.14		ppb v/v		107	70 - 130
Cyclohexane	2.00	1.79		ppb v/v		90	70 - 130
Dibromochloromethane	2.00	2.88	*+	ppb v/v		144	70 - 130
Dichlorodifluoromethane	2.00	2.20		ppb v/v		110	60 - 140
Ethanol	10.0	12.2		ppb v/v		122	60 - 140
Ethylbenzene	2.00	2.07		ppb v/v		103	70 - 130
Hexachlorobutadiene	2.00	1.78		ppb v/v		89	60 - 140
Hexane	2.00	1.61		ppb v/v		81	70 - 130
Methyl tert-butyl ether	2.00	1.94		ppb v/v		97	60 - 140
Methylene Chloride	2.00	1.93		ppb v/v		97	70 - 130
m-Xylene & p-Xylene	4.00	4.17		ppb v/v		104	70 - 130
Naphthalene	2.00	2.39		ppb v/v		119	60 - 140
o-Xylene	2.00	2.21		ppb v/v		110	70 - 130
Styrene	2.00	2.36		ppb v/v		118	70 - 130
t-Butyl alcohol	2.00	1.78		ppb v/v		89	60 - 140
Tetrachloroethene	2.00	2.51		ppb v/v		125	70 - 130
Toluene	2.00	2.02		ppb v/v		101	70 - 130
trans-1,2-Dichloroethene	2.00	2.00		ppb v/v		100	70 - 130
trans-1,3-Dichloropropene	2.00	1.95		ppb v/v		97	70 - 130
Trichloroethene	2.00	2.35		ppb v/v		118	70 - 130
Trichlorofluoromethane	2.00	2.27		ppb v/v		114	60 - 140
Vinyl chloride	2.00	2.55		ppb v/v		127	70 - 130
Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
1,1,1-Trichloroethane	11	11.3		ug/m3		103	70 - 130
1,1,2,2-Tetrachloroethane	14	16.4		ug/m3		120	70 - 130
1,1,2-Trichloroethane	11	12.2		ug/m3		112	70 - 130
1,1,2-Trichlorotrifluoroethane	15	17.2		ug/m3		112	70 - 130
1,1-Dichloroethane	8.1	7.41		ug/m3		92	70 - 130
1,1-Dichloroethene	7.9	7.91		ug/m3		100	70 - 130
1,2,4-Trichlorobenzene	15	16.5		ug/m3		111	60 - 140
1,2,4-Trimethylbenzene	9.8	12.5		ug/m3		127	70 - 130
1,2-Dibromoethane	15	17.9		ug/m3		117	70 - 130
1,2-Dichlorobenzene	12	15.0		ug/m3		125	70 - 130
1,2-Dichloroethane	8.1	7.88		ug/m3		97	70 - 130
1,2-Dichloropropane	9.2	8.70		ug/m3		94	70 - 130
1,2-Dichlorotetrafluoroethane	14	19.4		ug/m3		139	60 - 140
1,3,5-Trimethylbenzene	9.8	12.6		ug/m3		129	70 - 130
1,3-Dichlorobenzene	12	14.7		ug/m3		123	70 - 130
1,4-Dichlorobenzene	12	14.6		ug/m3		121	70 - 130
1,4-Dioxane	7.2	6.05		ug/m3		84	60 - 140

QC Sample Results

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

Job ID: 140-25006-1

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

Lab Sample ID: LCS 140-54824/1002
Matrix: Air
Analysis Batch: 54824

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	7.82		ug/m3		84	70 - 130
2-Butanone	5.9	4.51		ug/m3		76	60 - 140
4-Methyl-2-pentanone (MIBK)	8.2	6.01		ug/m3		73	60 - 140
Benzene	6.4	6.53		ug/m3		102	70 - 130
Benzyl chloride	10	11.8		ug/m3		114	70 - 130
Bromodichloromethane	13	15.2		ug/m3		114	70 - 130
Bromoform	21	24.8		ug/m3		120	60 - 140
Bromomethane	7.8	12.0	*+	ug/m3		154	70 - 130
Carbon tetrachloride	13	19.9	*+	ug/m3		158	70 - 130
Chlorobenzene	9.2	11.2		ug/m3		122	70 - 130
Chloroethane	5.3	6.66		ug/m3		126	70 - 130
Chloroform	9.8	9.97		ug/m3		102	70 - 130
Chloromethane	4.1	5.09		ug/m3		123	60 - 140
cis-1,2-Dichloroethene	7.9	7.54		ug/m3		95	70 - 130
cis-1,3-Dichloropropene	9.1	9.70		ug/m3		107	70 - 130
Cyclohexane	6.9	6.17		ug/m3		90	70 - 130
Dibromochloromethane	17	24.5	*+	ug/m3		144	70 - 130
Dichlorodifluoromethane	9.9	10.9		ug/m3		110	60 - 140
Ethanol	19	22.9		ug/m3		122	60 - 140
Ethylbenzene	8.7	8.98		ug/m3		103	70 - 130
Hexachlorobutadiene	21	19.0		ug/m3		89	60 - 140
Hexane	7.0	5.69		ug/m3		81	70 - 130
Methyl tert-butyl ether	7.2	7.00		ug/m3		97	60 - 140
Methylene Chloride	6.9	6.72		ug/m3		97	70 - 130
m-Xylene & p-Xylene	17	18.1		ug/m3		104	70 - 130
Naphthalene	10	12.5		ug/m3		119	60 - 140
o-Xylene	8.7	9.58		ug/m3		110	70 - 130
Styrene	8.5	10.1		ug/m3		118	70 - 130
t-Butyl alcohol	6.1	5.38		ug/m3		89	60 - 140
Tetrachloroethene	14	17.0		ug/m3		125	70 - 130
Toluene	7.5	7.61		ug/m3		101	70 - 130
trans-1,2-Dichloroethene	7.9	7.92		ug/m3		100	70 - 130
trans-1,3-Dichloropropene	9.1	8.83		ug/m3		97	70 - 130
Trichloroethene	11	12.6		ug/m3		118	70 - 130
Trichlorofluoromethane	11	12.8		ug/m3		114	60 - 140
Vinyl chloride	5.1	6.51		ug/m3		127	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		60 - 140

Lab Sample ID: MB 140-54949/4
Matrix: Air
Analysis Batch: 54949

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.032		ppb v/v			10/22/21 12:44	1

Eurofins TestAmerica, Knoxville

QC Sample Results

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

Job ID: 140-25006-1

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
Carbon tetrachloride	ND		0.20		ug/m3			10/22/21 12:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		60 - 140					10/22/21 12:44	1

Lab Sample ID: LCS 140-54949/1002
Matrix: Air
Analysis Batch: 54949

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	2.05		ppb v/v		102	70 - 130
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	13	12.9		ug/m3		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	95		60 - 140				

QC Association Summary

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

Job ID: 140-25006-1

Air - GC/MS VOA

Analysis Batch: 54824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-25006-1	EQUIPMENT BLANK	Total/NA	Air	TO 15 LL	
140-25006-2	GAC INFLUENT	Total/NA	Air	TO 15 LL	
140-25006-3	GAC EFFLUENT	Total/NA	Air	TO 15 LL	
MB 140-54824/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-54824/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 54949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-25006-1	EQUIPMENT BLANK	Total/NA	Air	TO 15 LL	
MB 140-54949/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-54949/1002	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: 140-25006-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 140-25006-1

Date Collected: 10/12/21 12:10

Matrix: Air

Date Received: 10/14/21 14:00

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	54949	10/22/21 16:53	S1K	TAL KNX
	Instrument ID: MR									
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	54824	10/19/21 22:47	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: GAC INFLUENT

Lab Sample ID: 140-25006-2

Date Collected: 10/12/21 12:15

Matrix: Air

Date Received: 10/14/21 14:00

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		11.31	25 mL	500 mL	54824	10/19/21 23:34	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 140-25006-3

Date Collected: 10/12/21 12:20

Matrix: Air

Date Received: 10/14/21 14:00

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	54824	10/20/21 00:23	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: Method Blank

Lab Sample ID: MB 140-54824/4

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	54824	10/19/21 12:21	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: Method Blank

Lab Sample ID: MB 140-54949/4

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	54949	10/22/21 12:44	S1K	TAL KNX
	Instrument ID: MR									

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-54824/1002

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	54824	10/19/21 10:44	S1K	TAL KNX
	Instrument ID: MS									

Lab Chronicle

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

Job ID: 140-25006-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 140-54949/1002

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	54949	10/22/21 11:15	S1K	TAL KNX

Instrument ID: MR

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: 140-25006-1

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: 140-25006-1

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: 140-25006-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-25006-1	EQUIPMENT BLANK	Air	10/12/21 12:10	10/14/21 14:00	Air Canister (6-Liter) #12011
140-25006-2	GAC INFLUENT	Air	10/12/21 12:15	10/14/21 14:00	Air Canister (6-Liter) #11171
140-25006-3	GAC EFFLUENT	Air	10/12/21 12:20	10/14/21 14:00	Air Canister (6-Liter) #34000356

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.: 140-25006-1

SDG No.: _____

Matrix: Air Level: Low

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

Client Sample ID	Lab Sample ID	BFB #
EQUIPMENT BLANK	140-25006-1	99
EQUIPMENT BLANK	140-25006-1	104
GAC INFLUENT	140-25006-2	94
GAC EFFLUENT	140-25006-3	102
	MB 140-54824/4	94
	MB 140-54949/4	92
	LCS 140-54824/1002	107
	LCS 140-54949/1002	95

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.: 140-25006-1

SDG No.: _____

Matrix: Air Level: Low Lab File ID: SJCCV19-LCS.d

Lab ID: LCS 140-54824/1002 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.00	2.06	103	70-130	
1,1,2,2-Tetrachloroethane	2.00	2.39	120	70-130	
1,1,2-Trichloroethane	2.00	2.24	112	70-130	
1,1,2-Trichlorotrifluoroethane	2.00	2.24	112	70-130	
1,1-Dichloroethane	2.00	1.83	92	70-130	
1,1-Dichloroethene	2.00	2.00	100	70-130	
1,2,4-Trichlorobenzene	2.00	2.22	111	60-140	
1,2,4-Trimethylbenzene	2.00	2.54	127	70-130	
1,2-Dibromoethane	2.00	2.34	117	70-130	
1,2-Dichlorobenzene	2.00	2.50	125	70-130	
1,2-Dichloroethane	2.00	1.95	97	70-130	
1,2-Dichloropropane	2.00	1.88	94	70-130	
1,2-Dichlorotetrafluoroethane	2.00	2.78	139	60-140	
1,3,5-Trimethylbenzene	2.00	2.57	129	70-130	
1,3-Dichlorobenzene	2.00	2.45	123	70-130	
1,4-Dichlorobenzene	2.00	2.43	121	70-130	
1,4-Dioxane	2.00	1.68	84	60-140	
2,2,4-Trimethylpentane	2.00	1.67	84	70-130	
2-Butanone	2.00	1.53	76	60-140	
4-Methyl-2-pentanone (MIBK)	2.00	1.47	73	60-140	
Benzene	2.00	2.04	102	70-130	
Benzyl chloride	2.00	2.28	114	70-130	
Bromodichloromethane	2.00	2.27	114	70-130	
Bromoform	2.00	2.40	120	60-140	
Bromomethane	2.00	3.09	154	70-130	*+
Carbon tetrachloride	2.00	3.16	158	70-130	*+
Chlorobenzene	2.00	2.44	122	70-130	
Chloroethane	2.00	2.52	126	70-130	
Chloroform	2.00	2.04	102	70-130	
Chloromethane	2.00	2.47	123	60-140	
cis-1,2-Dichloroethene	2.00	1.90	95	70-130	
cis-1,3-Dichloropropene	2.00	2.14	107	70-130	
Cyclohexane	2.00	1.79	90	70-130	
Dibromochloromethane	2.00	2.88	144	70-130	*+
Dichlorodifluoromethane	2.00	2.20	110	60-140	
Ethanol	10.0	12.2	122	60-140	
Ethylbenzene	2.00	2.07	103	70-130	
Hexachlorobutadiene	2.00	1.78	89	60-140	
Hexane	2.00	1.61	81	70-130	
Methyl tert-butyl ether	2.00	1.94	97	60-140	
Methylene Chloride	2.00	1.93	97	70-130	
m-Xylene & p-Xylene	4.00	4.17	104	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.: 140-25006-1

SDG No.: _____

Matrix: Air Level: Low Lab File ID: SJCCV19-LCS.d

Lab ID: LCS 140-54824/1002 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Naphthalene	2.00	2.39	119	60-140	
o-Xylene	2.00	2.21	110	70-130	
Styrene	2.00	2.36	118	70-130	
t-Butyl alcohol	2.00	1.78	89	60-140	
Tetrachloroethene	2.00	2.51	125	70-130	
Toluene	2.00	2.02	101	70-130	
trans-1,2-Dichloroethene	2.00	2.00	100	70-130	
trans-1,3-Dichloropropene	2.00	1.95	97	70-130	
Trichloroethene	2.00	2.35	118	70-130	
Trichlorofluoromethane	2.00	2.27	114	60-140	
Vinyl chloride	2.00	2.55	127	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.: 140-25006-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: RCCVJ22A-LCS.d
 Lab ID: LCS 140-54949/1002 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Carbon tetrachloride	2.00	2.05	102	70-130	

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.: 140-25006-1
 SDG No.: _____
 Lab File ID: R500BJ22.D Lab Sample ID: MB 140-54949/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: MR Date Analyzed: 10/22/2021 12:44
 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 140-54949/1002	RCCVJ22A-LC S.d	10/22/2021 11:15
EQUIPMENT BLANK	140-25006-1	RJ22P113.D	10/22/2021 16:53

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab File ID: S500BJ19.D Lab Sample ID: MB 140-54824/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: MS Date Analyzed: 10/19/2021 12:21
 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 140-54824/1002	SJCCV19-LCS .d	10/19/2021 10:44
EQUIPMENT BLANK	140-25006-1	SJ19P111.D	10/19/2021 22:47
GAC INFLUENT	140-25006-2	SJ19P112.D	10/19/2021 23:34
GAC EFFLUENT	140-25006-3	SJ19P113D.D	10/20/2021 00:23

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab File ID: RBFBJ07B.D BFB Injection Date: 10/07/2021
 Instrument ID: MR BFB Injection Time: 13:49
 Analysis Batch No.: 54608

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.2	
75	30.0 - 60.0 % of mass 95	58.2	
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	1.3	(1.2) 1
174	Greater than 50% of mass 95	107.0	
175	5.0 - 9.0 % of mass 174	8.4	(7.8) 1
176	95.0 - 101.0 % of mass 174	102.1	(95.4) 1
177	5.0 - 9.0 % of mass 176	7.2	(7.1) 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 140-54608/4	RJ07IC10.D	10/07/2021	16:44
	IC 140-54608/6	RJ07IC09.D	10/07/2021	18:17
	IC 140-54608/8	RJ07IC08.D	10/07/2021	19:46
	IC 140-54608/10	RJ07IC01.D	10/07/2021	21:16
	IC 140-54608/11	RJ07IC02.D	10/07/2021	21:59
	IC 140-54608/12	RJ07IC03.D	10/07/2021	22:44
	IC 140-54608/13	RJ07IC04.D	10/07/2021	23:29
	IC 140-54608/15	RJ07IC06.D	10/08/2021	0:57
	ICV 140-54608/19	RJ07LCS.D	10/08/2021	3:54
	ICIS 140-54608/22	RJ07IC07R.D	10/08/2021	7:11
	IC 140-54608/23	RJ07IC05R.D	10/08/2021	7:54

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab File ID: RBFBJ22A.D BFB Injection Date: 10/22/2021
 Instrument ID: MR BFB Injection Time: 10:41
 Analysis Batch No.: 54949

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.4	
75	30.0 - 60.0 % of mass 95	58.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	1.1	(1.0) 1
174	Greater than 50% of mass 95	108.6	
175	5.0 - 9.0 % of mass 174	7.9	(7.2) 1
176	95.0 - 101.0 % of mass 174	102.6	(94.5) 1*
177	5.0 - 9.0 % of mass 176	6.1	(6.0) 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 140-54949/2	RCCVJ22A.D	10/22/2021	11:15
	LCS 140-54949/1002	RCCVJ22A-LCS.	10/22/2021	11:15
	MB 140-54949/4	R500BJ22.D	10/22/2021	12:44
EQUIPMENT BLANK	140-25006-1	RJ22P113.D	10/22/2021	16:53

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab File ID: SBFBI24IC.D BFB Injection Date: 09/25/2021
 Instrument ID: MS BFB Injection Time: 10:26
 Analysis Batch No.: 54194

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.2	
75	30.0 - 60.0 % of mass 95	52.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	Greater than 50% of mass 95	97.8	
175	5.0 - 9.0 % of mass 174	6.9	(7.1) 1
176	95.0 - 101.0 % of mass 174	95.1	(97.2) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.3) 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 140-54194/3	SI25C10.D	09/25/2021	11:54
	IC 140-54194/5	SI25C09.D	09/25/2021	13:26
	IC 140-54194/7	SI25IC08.D	09/25/2021	15:00
	IC 140-54194/9	SI25IC01.D	09/25/2021	16:33
	IC 140-54194/10	SI25IC02.D	09/25/2021	17:19
	IC 140-54194/11	SI25IC03.D	09/25/2021	18:07
	IC 140-54194/12	SI25IC04.D	09/25/2021	18:53
	IC 140-54194/13	SI25IC05.D	09/25/2021	19:38
	IC 140-54194/14	SI25IC06.D	09/25/2021	20:25
	ICIS 140-54194/15	SI25IC07.D	09/25/2021	21:13
	ICV 140-54194/18	SI25LCS.D	09/25/2021	23:28

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab File ID: SBFBJ19.D BFB Injection Date: 10/19/2021
 Instrument ID: MS BFB Injection Time: 10:15
 Analysis Batch No.: 54824

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.4
75	30.0 - 60.0 % of mass 95	49.9
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	0.5 (0.6) 1
174	Greater than 50% of mass 95	80.4
175	5.0 - 9.0 % of mass 174	5.6 (7.0) 1
176	95.0 - 101.0 % of mass 174	77.5 (96.4) 1
177	5.0 - 9.0 % of mass 176	5.1 (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
	CCVIS 140-54824/2	SJCCV19.D	10/19/2021	10:44
	LCS 140-54824/1002	SJCCV19-LCS.d	10/19/2021	10:44
	MB 140-54824/4	S500BJ19.D	10/19/2021	12:21
EQUIPMENT BLANK	140-25006-1	SJ19P111.D	10/19/2021	22:47
GAC INFLUENT	140-25006-2	SJ19P112.D	10/19/2021	23:34
GAC EFFLUENT	140-25006-3	SJ19P113D.D	10/20/2021	0:23

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Sample No.: ICIS 140-54608/22 Date Analyzed: 10/08/2021 07:11
 Instrument ID: MR GC Column: RTX-5 ID: 0.32 (mm)
 Lab File ID (Standard): RJ07IC07R.D Heated Purge: (Y/N) N
 Calibration ID: 3280

	CBM		DFBZ		CBzd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	332789	8.60	1539788	10.84	1305409	15.76
UPPER LIMIT	465905	8.93	2155703	11.17	1827573	16.09
LOWER LIMIT	199673	8.27	923873	10.51	783245	15.43
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 140-54608/19			339827	8.59	1603969	10.84
					1373574	15.76

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

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 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.: 140-25006-1
 SDG No.: _____
 Sample No.: CCVIS 140-54949/2 Date Analyzed: 10/22/2021 11:15
 Instrument ID: MR GC Column: RTX-5 ID: 0.32 (mm)
 Lab File ID (Standard): RCCVJ22A.D Heated Purge: (Y/N) N
 Calibration ID: 3280

	CBM		DFBZ		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	293729	8.61	1341205	10.85	1101782	15.78	
UPPER LIMIT	411221	8.94	1877687	11.18	1542495	16.11	
LOWER LIMIT	176237	8.28	804723	10.52	661069	15.45	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-54949/1002	293729	8.61	1341205	10.85	1101782	15.78	
MB 140-54949/4	294808	8.58	1350061	10.83	1045063	15.76	
140-25006-1	EQUIPMENT BLANK	320817	8.60	1459042	10.84	1094723	15.76

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

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 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.: 140-25006-1
 SDG No.: _____
 Sample No.: ICIS 140-54194/15 Date Analyzed: 09/25/2021 21:13
 Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm)
 Lab File ID (Standard): SI25IC07.D Heated Purge: (Y/N) N
 Calibration ID: 3259

	CBM		DFBZ		CBzd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	221294	9.16	1209225	11.35	1045014	16.02
UPPER LIMIT	309812	9.49	1692915	11.68	1463020	16.35
LOWER LIMIT	132776	8.83	725535	11.02	627008	15.69
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 140-54194/18	214883	9.17	1127591	11.35	979801	16.02

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

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 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.: 140-25006-1
 SDG No.: _____
 Sample No.: CCVIS 140-54824/2 Date Analyzed: 10/19/2021 10:44
 Instrument ID: MS GC Column: RTX-5 ID: 0.32 (mm)
 Lab File ID (Standard): SJCCV19.D Heated Purge: (Y/N) N
 Calibration ID: 3259

	CBM		DFBZ		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	174457	9.16	854999	11.35	723078	16.02	
UPPER LIMIT	244240	9.49	1196999	11.68	1012309	16.35	
LOWER LIMIT	104674	8.83	512999	11.02	433847	15.69	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-54824/1002	174457	9.16	854999	11.35	723078	16.02	
MB 140-54824/4	178709	9.16	856375	11.35	703087	16.02	
140-25006-1	EQUIPMENT BLANK	206884	9.16	954757	11.34	777511	16.02
140-25006-2	GAC INFLUENT	200475	9.16	942180	11.34	788355	16.02
140-25006-3	GAC EFFLUENT	200685	9.16	916298	11.34	766051	16.02

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

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-25006-1
 Matrix: Air Lab File ID: SJ19P111.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:10
 Sample wt/vol: 500 (mL) Date Analyzed: 10/19/2021 22:47
 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.: 54824 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	0.37		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	0.098		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	0.30		0.20	
78-93-3	2-Butanone	72.11	0.32		0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
71-43-2	Benzene	78.11	1.1		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	
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	0.23		0.20	
124-48-1	Dibromochloromethane	208.28	ND	+	0.080	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-25006-1
 Matrix: Air Lab File ID: SJ19P111.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:10
 Sample wt/vol: 500 (mL) Date Analyzed: 10/19/2021 22:47
 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.: 54824 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	0.36		0.080	
64-17-5	Ethanol	46.07	7.4		2.0	
100-41-4	Ethylbenzene	106.17	0.090		0.080	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	0.39		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	0.42		0.080	
91-20-3	Naphthalene	128.17	ND		0.20	
95-47-6	o-Xylene	106.17	0.20		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	0.11		0.080	
108-88-3	Toluene	92.14	0.66		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	0.26		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-25006-1
 Matrix: Air Lab File ID: SJ19P111.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:10
 Sample wt/vol: 500(mL) Date Analyzed: 10/19/2021 22:47
 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.: 54824 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	1.8		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	0.48		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	1.4		0.93	
78-93-3	2-Butanone	72.11	0.94		0.94	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
71-43-2	Benzene	78.11	3.4		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	
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	1.5		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	0.77		0.69	
124-48-1	Dibromochloromethane	208.28	ND	++	0.68	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-25006-1
 Matrix: Air Lab File ID: SJ19P111.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:10
 Sample wt/vol: 500(mL) Date Analyzed: 10/19/2021 22:47
 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.: 54824 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
75-71-8	Dichlorodifluoromethane	120.91	1.8		0.40
64-17-5	Ethanol	46.07	14		3.8
100-41-4	Ethylbenzene	106.17	0.39		0.35
87-68-3	Hexachlorobutadiene	260.76	ND		0.85
110-54-3	Hexane	86.17	1.4		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	1.8		0.35
91-20-3	Naphthalene	128.17	ND		1.0
95-47-6	o-Xylene	106.17	0.86		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	0.72		0.54
108-88-3	Toluene	92.14	2.5		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	1.5		0.45
75-01-4	Vinyl chloride	62.50	ND		0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D
 Lims ID: 140-25006-A-1
 Client ID: EQUIPMENT BLANK
 Sample Type: Client
 Inject. Date: 19-Oct-2021 22:47:30 ALS Bottle#: 11 Worklist Smp#: 16
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-016
 Misc. Info.: 140-25006-a-1
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 14:40:06 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1613

First Level Reviewer: khachitpongpanits

Date: 20-Oct-2021 14:34:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.164	9.164	0.000	90	206884	4.80	
* 2 1,4-Difluorobenzene	114	11.342	11.348	-0.006	95	954757	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.023	16.023	0.000	88	777511	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.674	0.000	93	662932	4.82	
8 Dichlorodifluoromethane	85	3.849	3.849	0.000	100	59888	0.3612	
9 Chloromethane	52	4.042	4.042	0.000	100	10621	0.7049	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.053	4.048	0.005	35	2129	0.0205	
17 Ethanol	31	4.908	4.903	0.005	94	130225	7.45	
20 Trichlorofluoromethane	101	5.419	5.419	0.000	99	42025	0.2603	
29 2-Methyl-2-propanol	59	6.291	6.253	0.038	93	5467	0.0531	
30 112TCTFE	101	6.350	6.350	0.000	91	9243	0.0741	
39 2-Butanone (MEK)	72	8.373	8.368	0.006	96	10410	0.3192	
40 Hexane	56	8.405	8.394	0.011	91	20371	0.3880	
44 Chloroform	83	9.174	9.174	0.000	28	3360	0.0233	
48 1,2-Dichloroethane	62	10.331	10.326	0.000	66	1780	0.0204	
51 Benzene	78	10.815	10.810	0.000	97	185401	1.06	
50 Cyclohexane	69	10.815	10.815	-0.006	41	6175	0.2251	a
52 Carbon tetrachloride	117	10.837	10.831	0.000	97	9424	0.1090	
55 Isooctane	57	11.558	11.552	0.000	95	92017	0.3006	
67 Toluene	91	14.075	14.075	0.000	92	130069	0.6579	
72 Ethylene Dibromide	107	15.124	15.140	-0.016	29	993	0.0103	
73 Tetrachloroethene	129	15.199	15.205	-0.006	90	6484	0.1062	
75 Chlorobenzene	112	16.076	16.071	0.005	3	2183	0.0163	
76 Ethylbenzene	91	16.351	16.351	0.000	99	22467	0.0904	
77 m-Xylene & p-Xylene	91	16.507	16.507	0.000	98	85602	0.4161	
81 o-Xylene	91	17.045	17.039	0.006	99	41059	0.1977	
88 1,3,5-Trimethylbenzene	120	18.395	18.395	0.000	91	9263	0.0984	
92 1,2,4-Trimethylbenzene	105	18.836	18.831	0.005	97	82824	0.3724	
94 1,3-Dichlorobenzene	146	19.110	19.110	0.000	91	2700	0.0201	
96 1,4-Dichlorobenzene	146	19.197	19.196	0.000	74	2305	0.0177	
109 Naphthalene	128	21.434	21.434	0.000	99	22444	0.1146	

[QC Flag Legend](#)

Processing Flags

Review Flags

a - User Assigned ID

[Reagents:](#)

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Operator ID: HMT

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Worklist Smp#: 16

Client ID: EQUIPMENT BLANK

Purge Vol: 500.000 mL

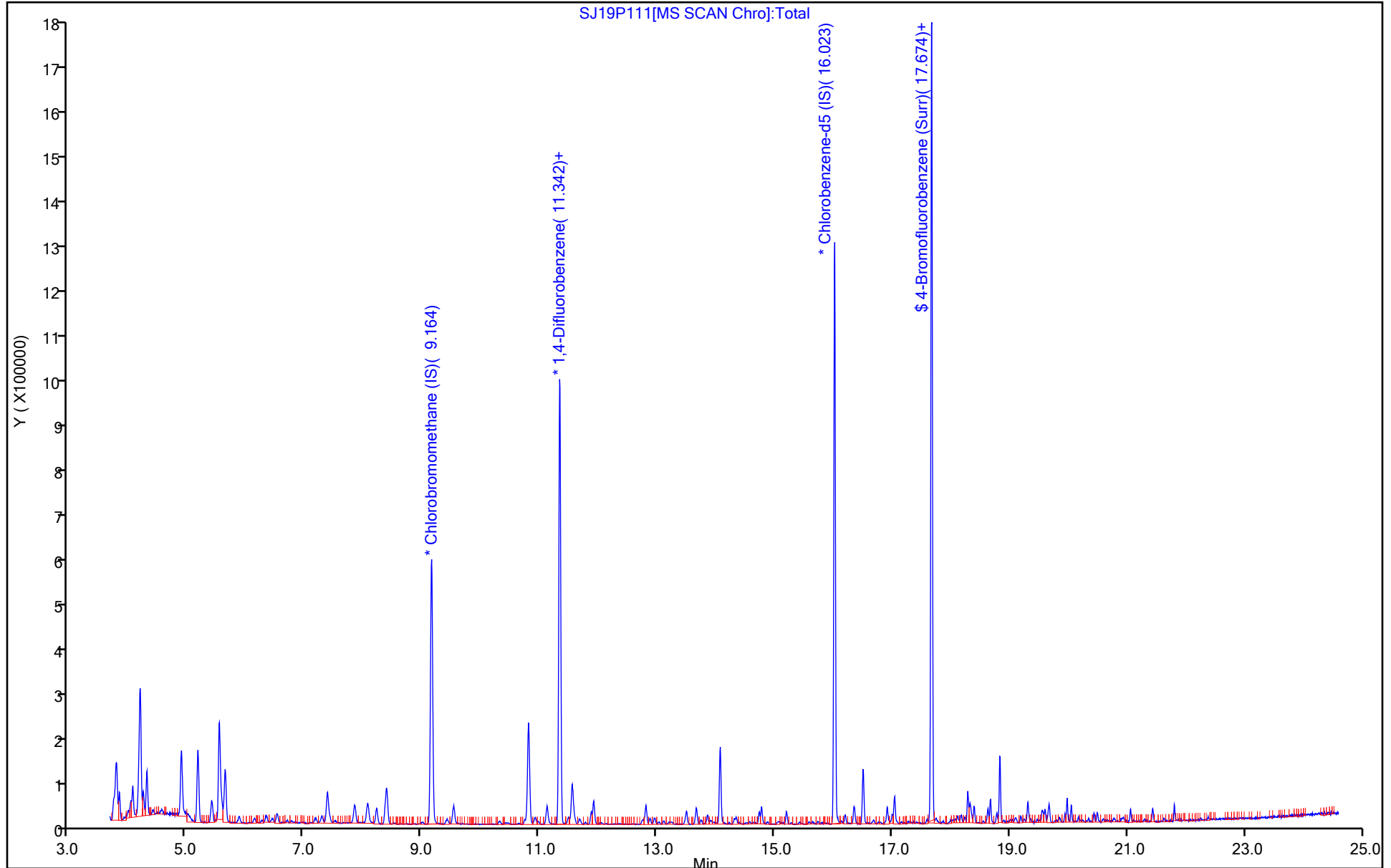
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D
 Lims ID: 140-25006-A-1
 Client ID: EQUIPMENT BLANK
 Sample Type: Client
 Inject. Date: 19-Oct-2021 22:47:30 ALS Bottle#: 11 Worklist Smp#: 16
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-016
 Misc. Info.: 140-25006-a-1
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 14:40:06 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1613

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 14:34:00

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.82	103.81

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

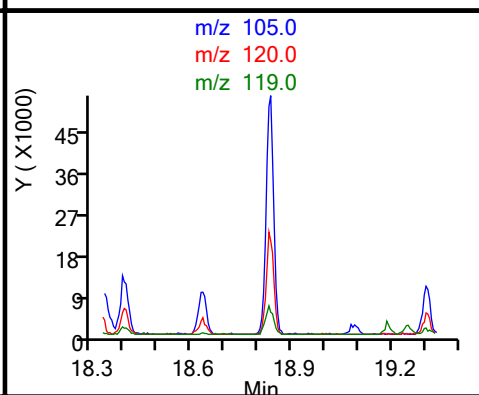
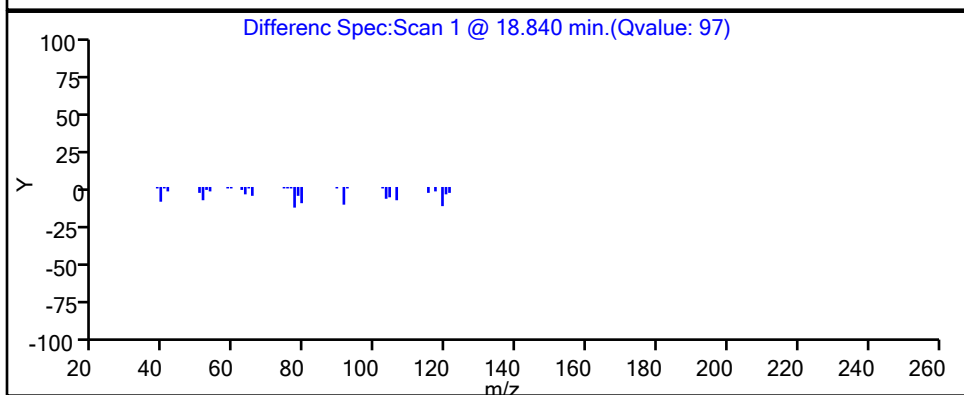
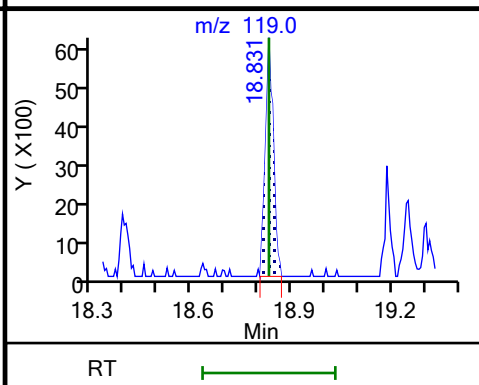
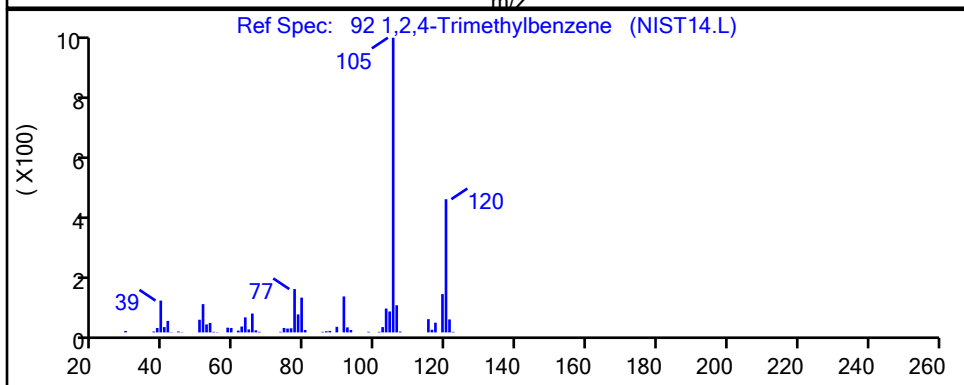
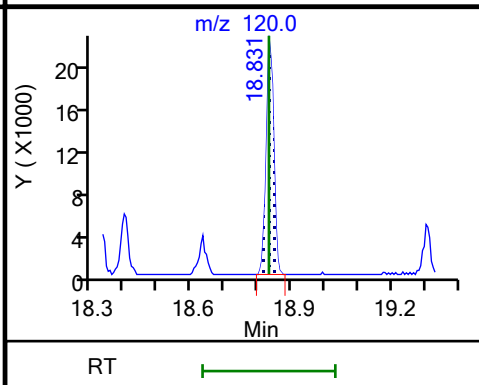
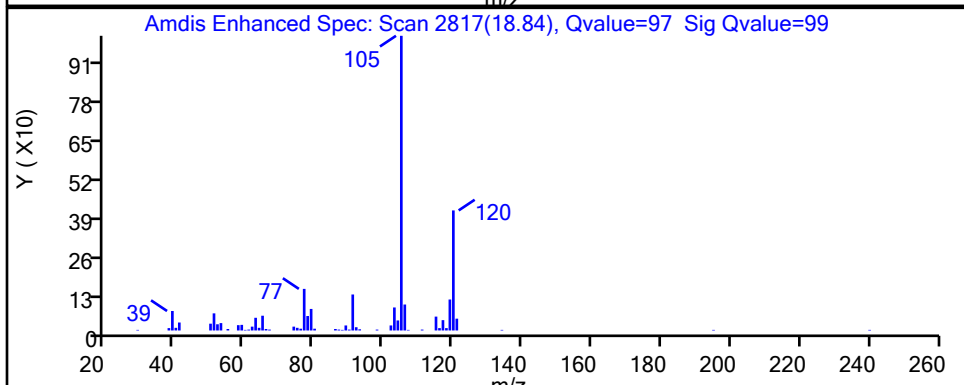
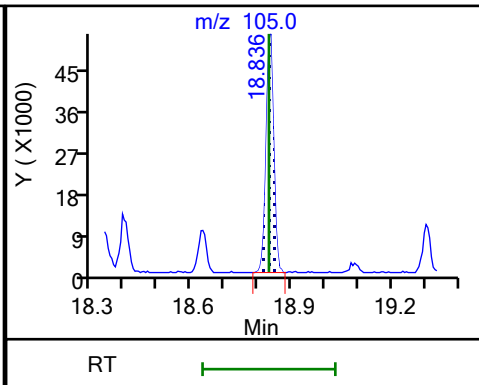
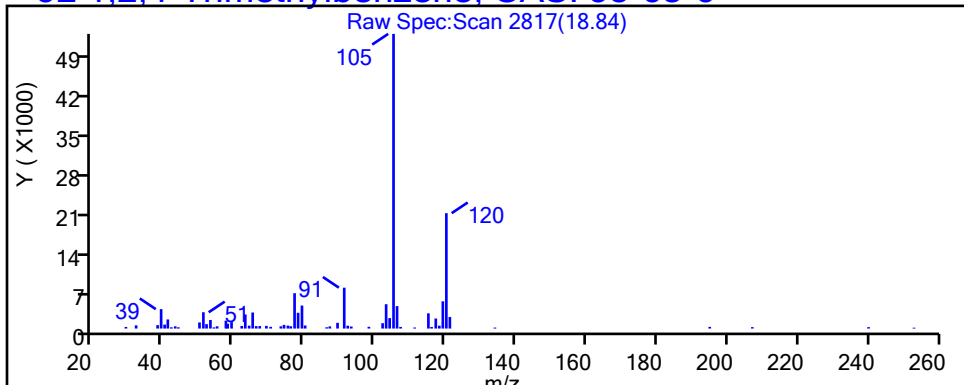
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

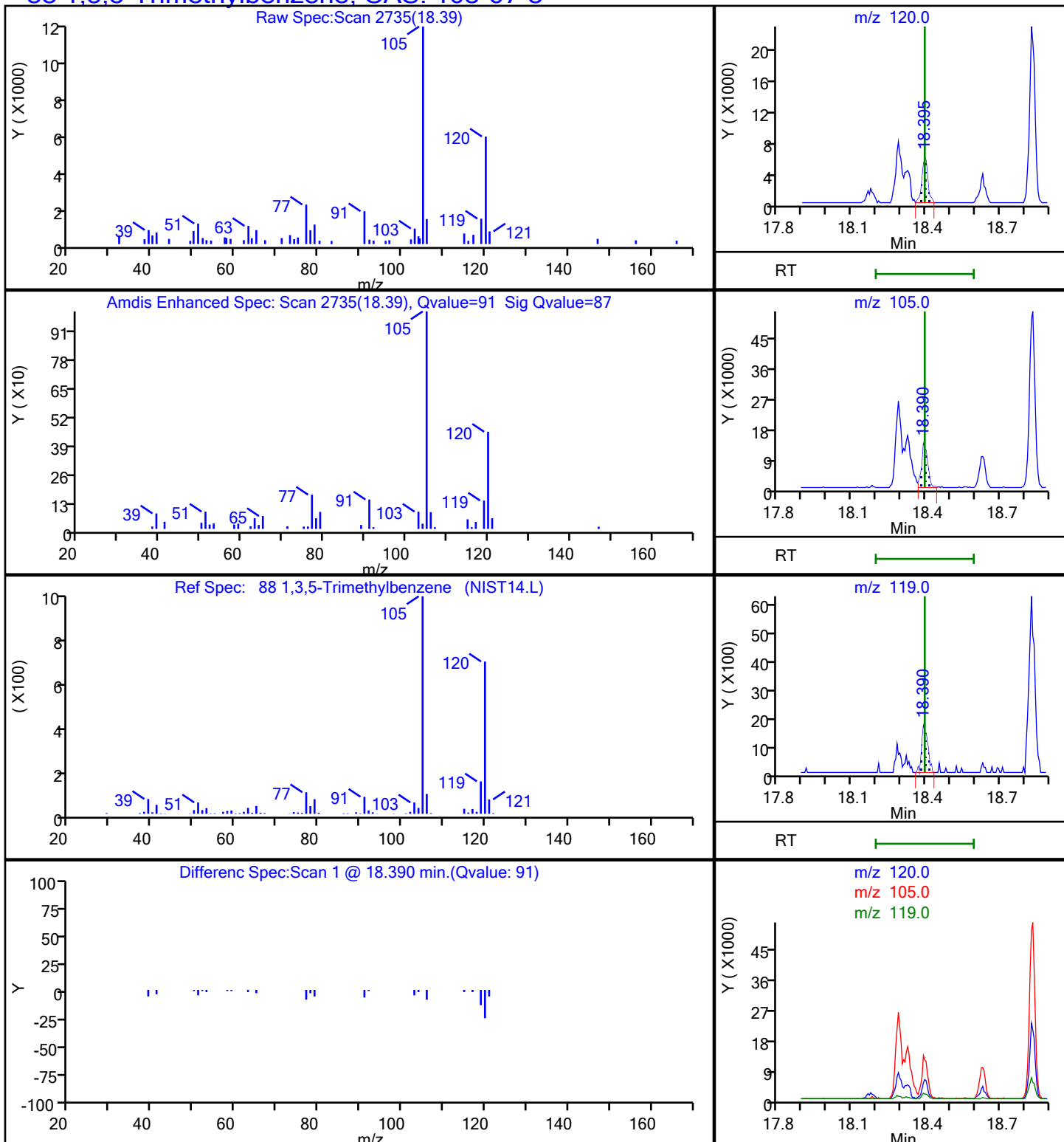
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

88 1,3,5-Trimethylbenzene, CAS: 108-67-8



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

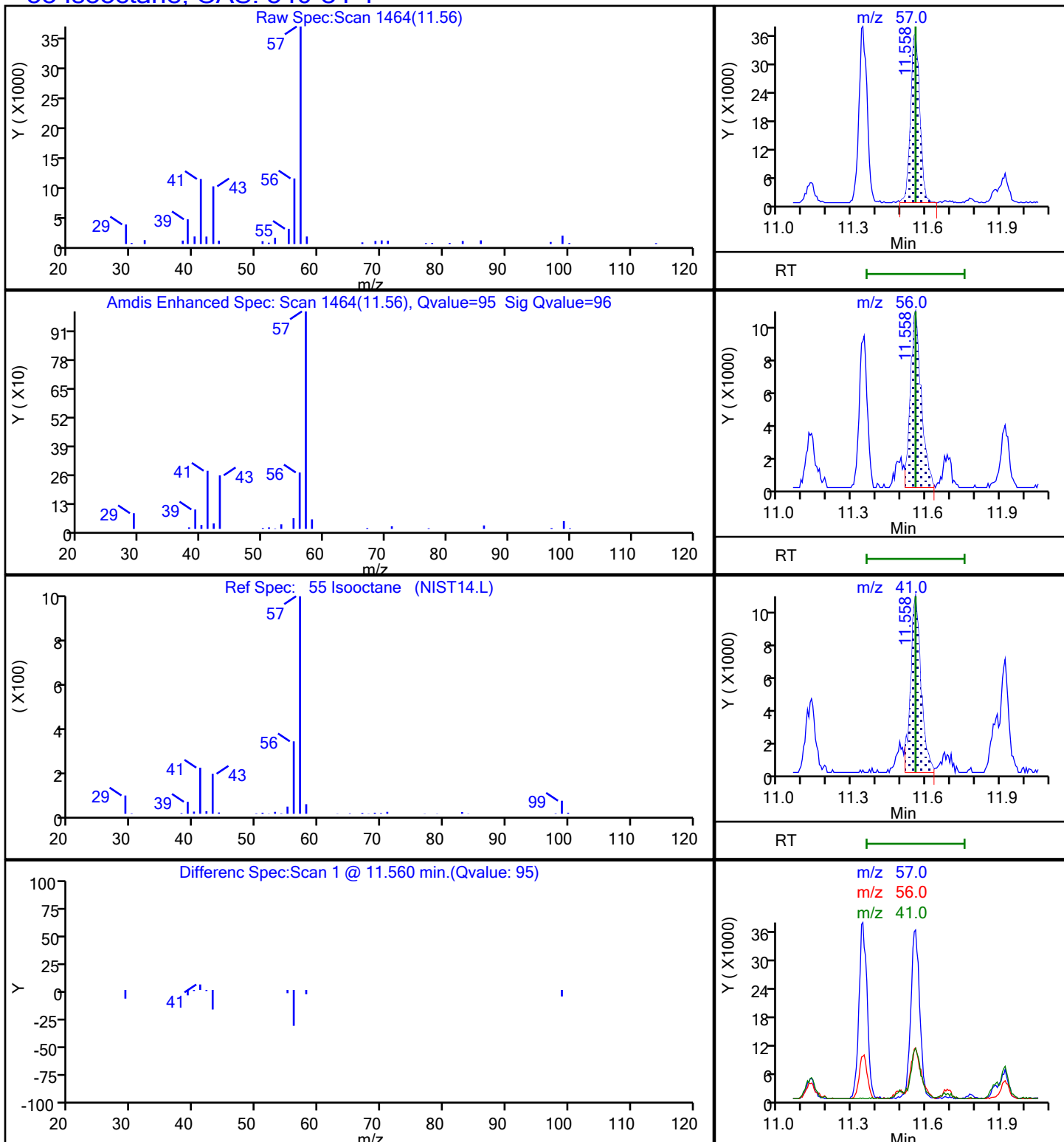
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

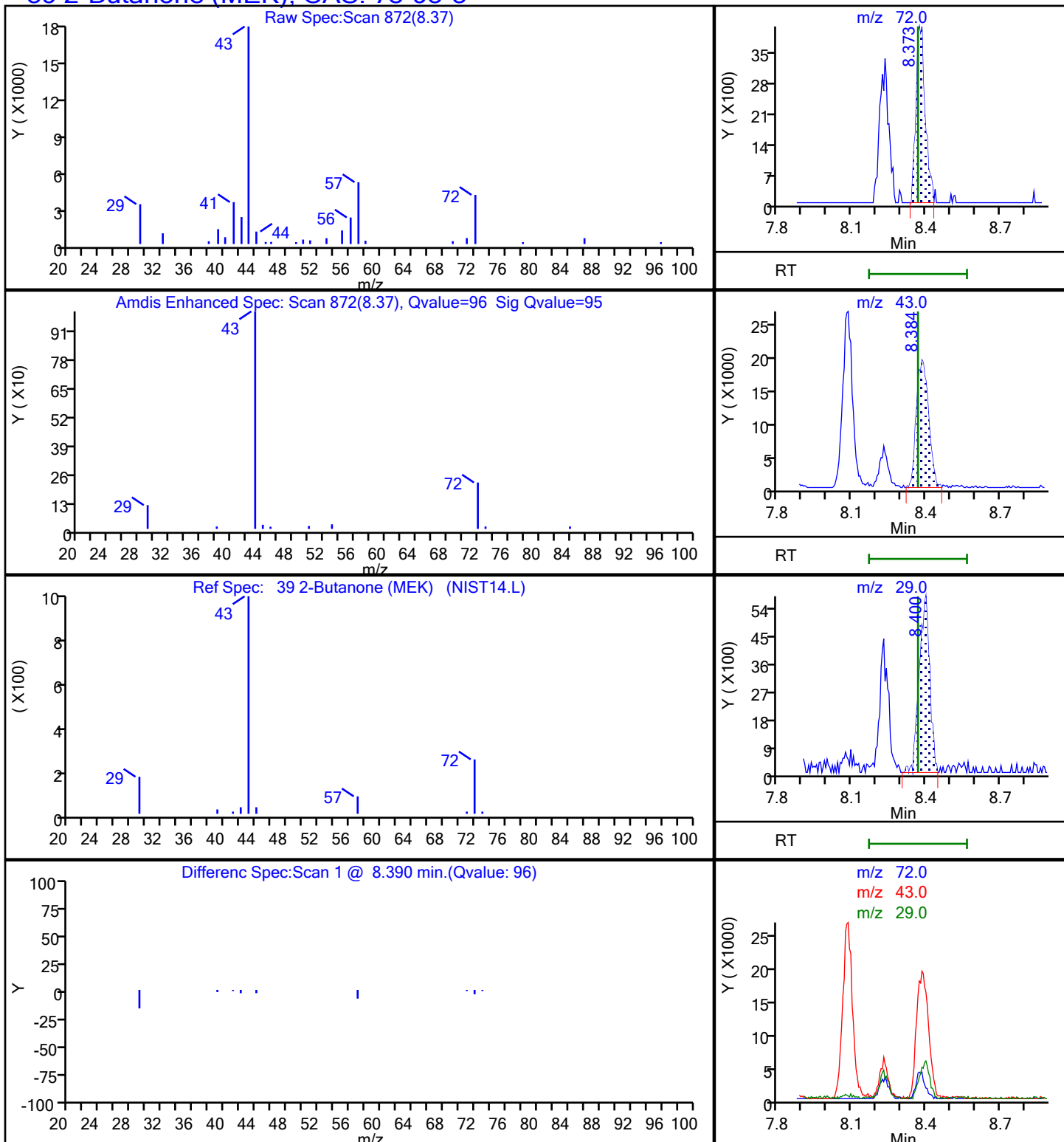
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

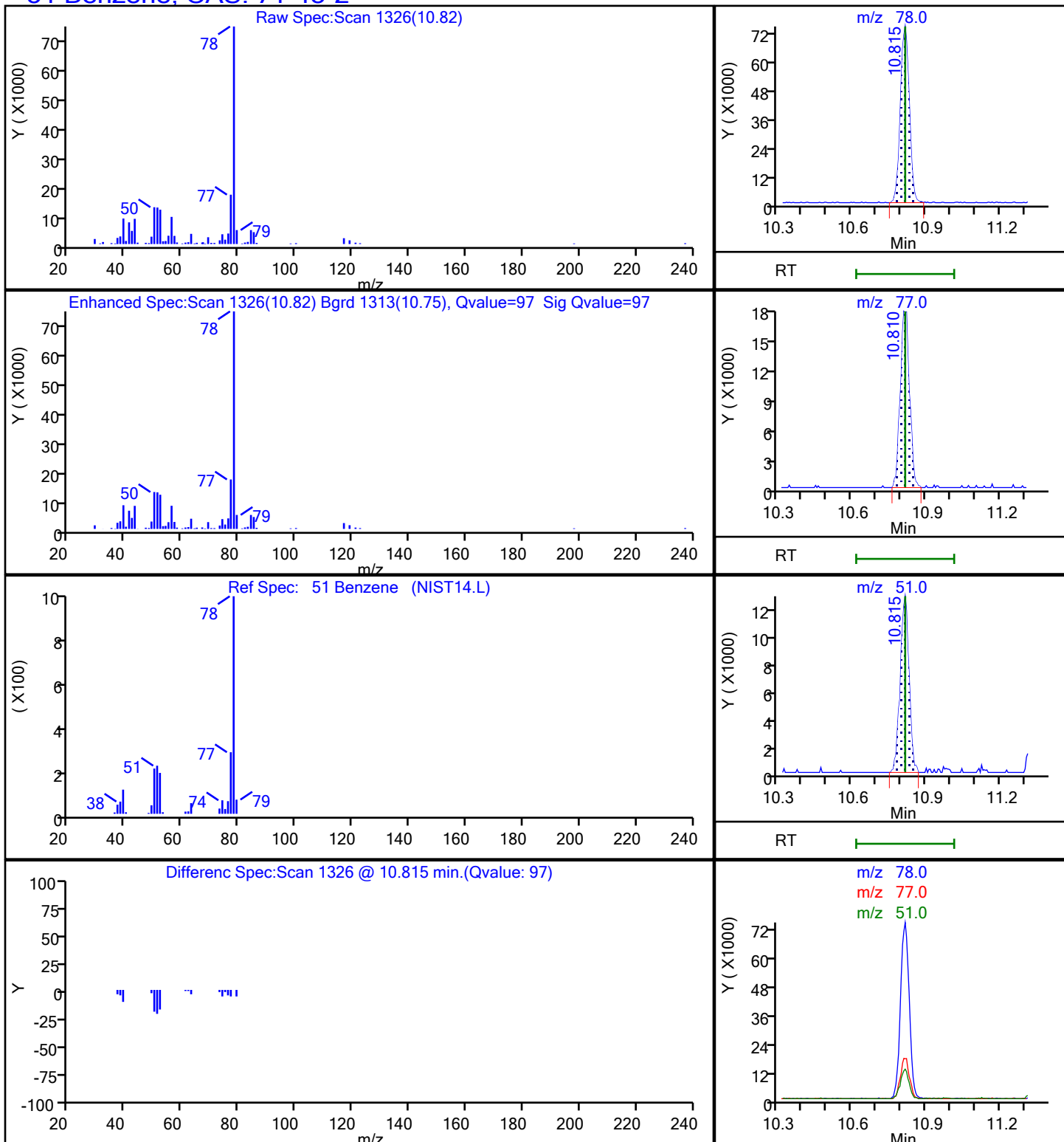
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

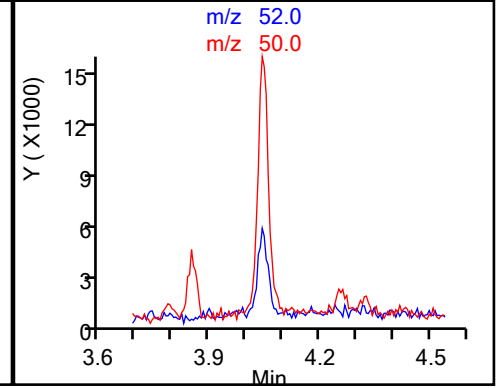
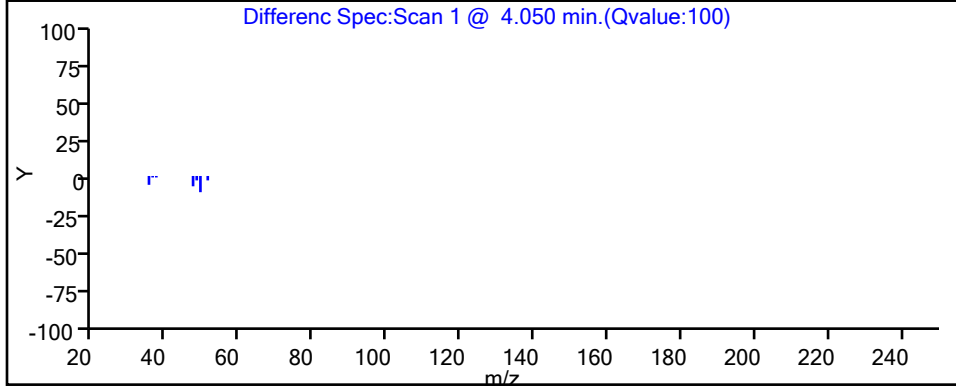
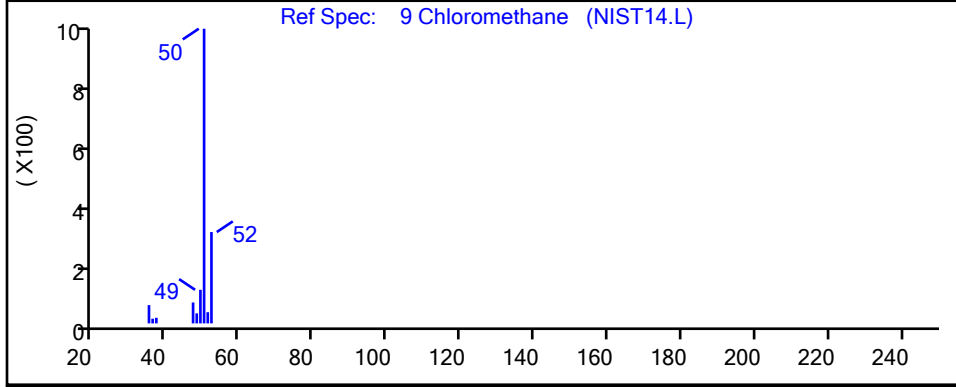
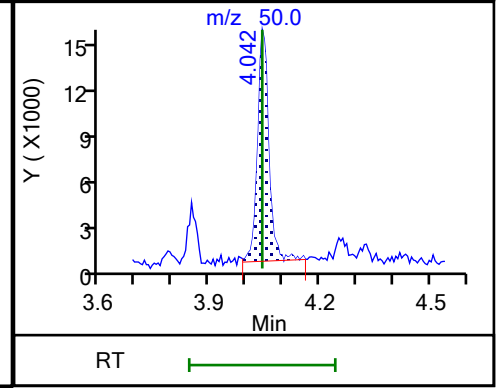
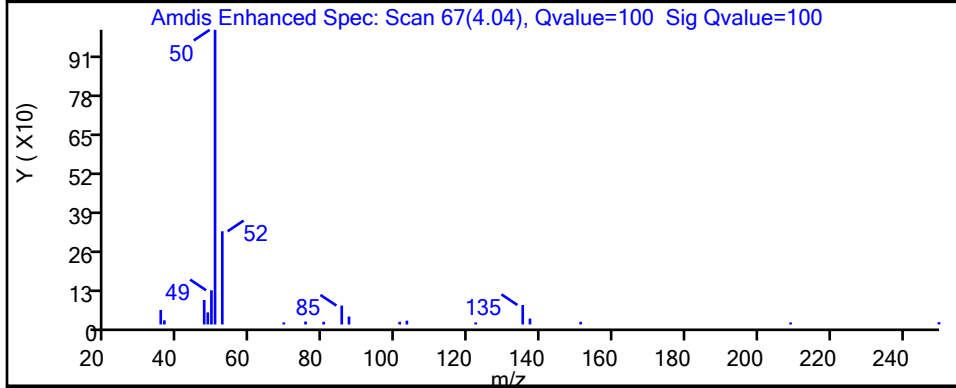
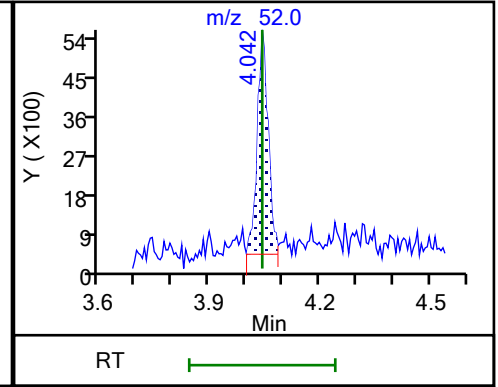
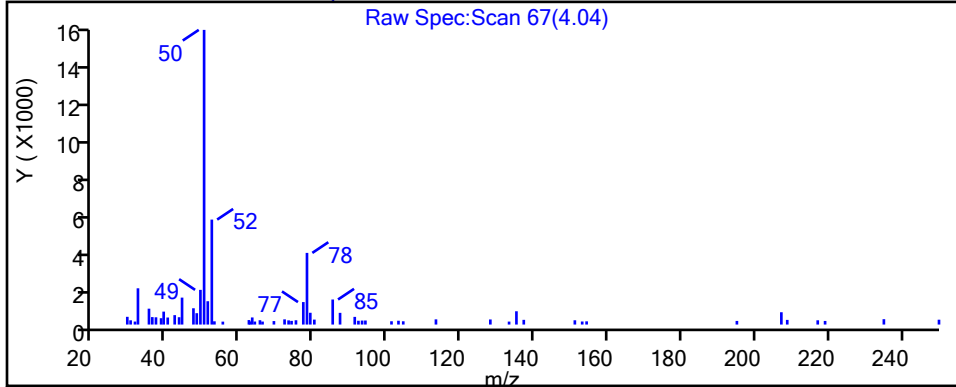
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

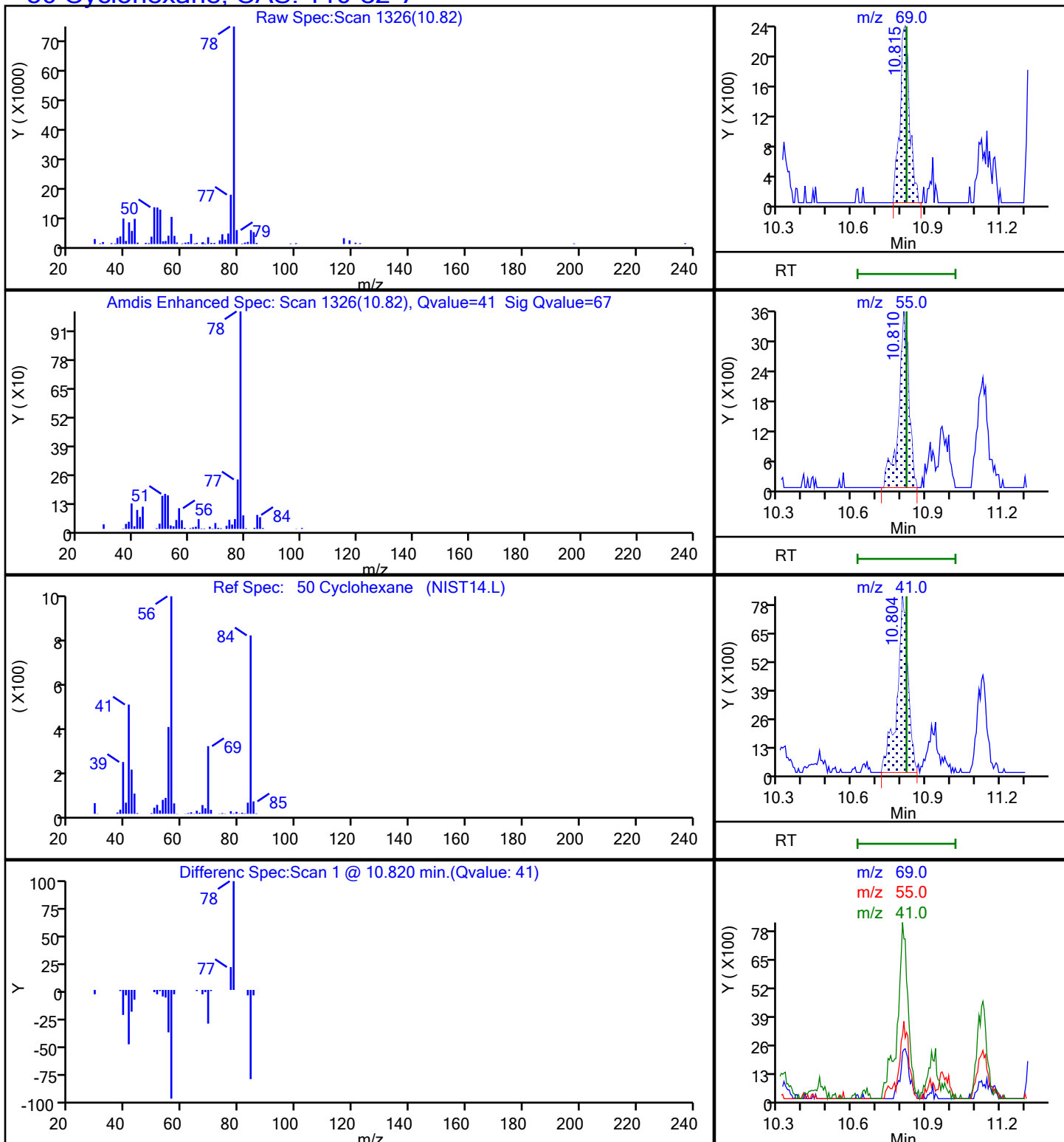
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

50 Cyclohexane, CAS: 110-82-7



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

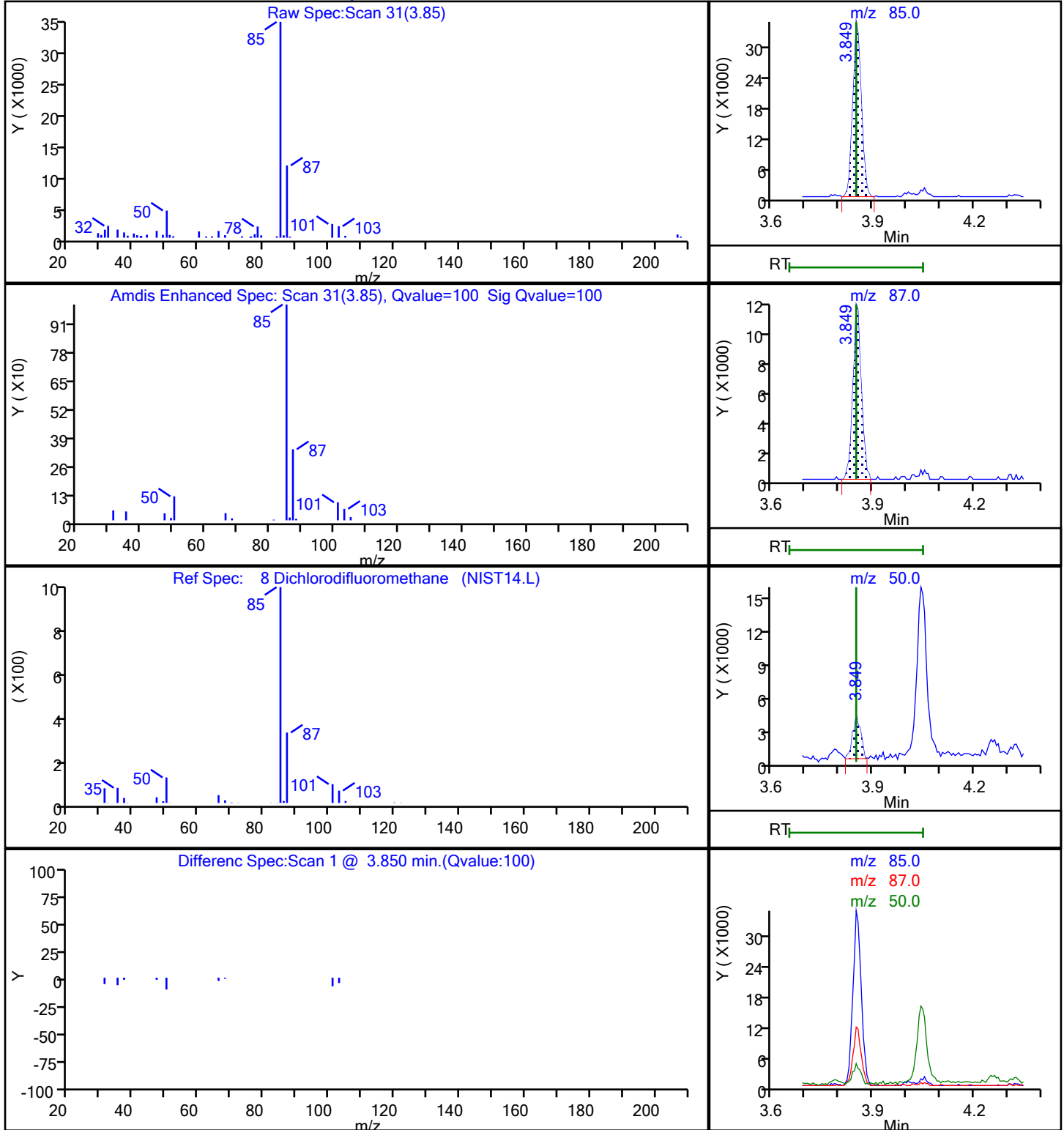
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

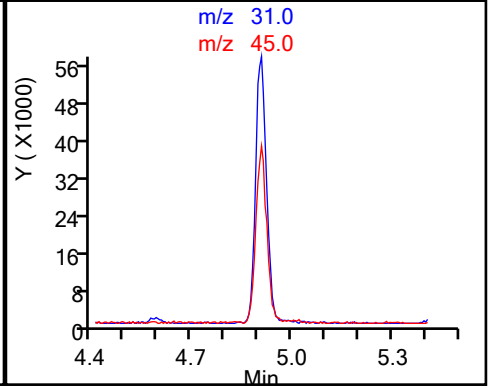
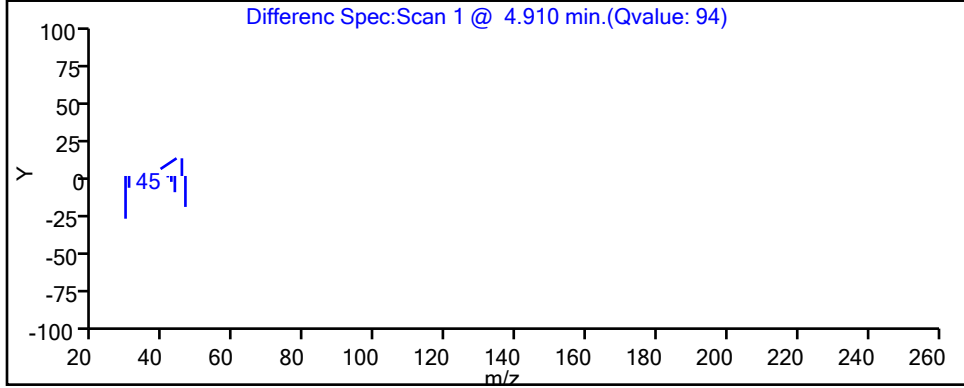
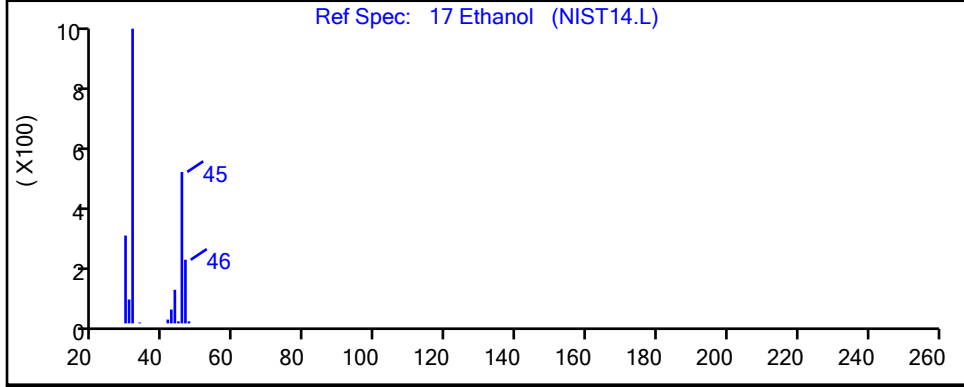
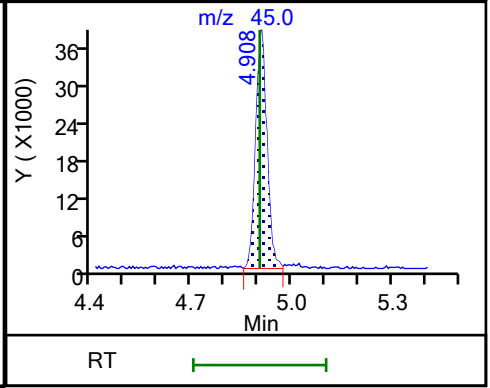
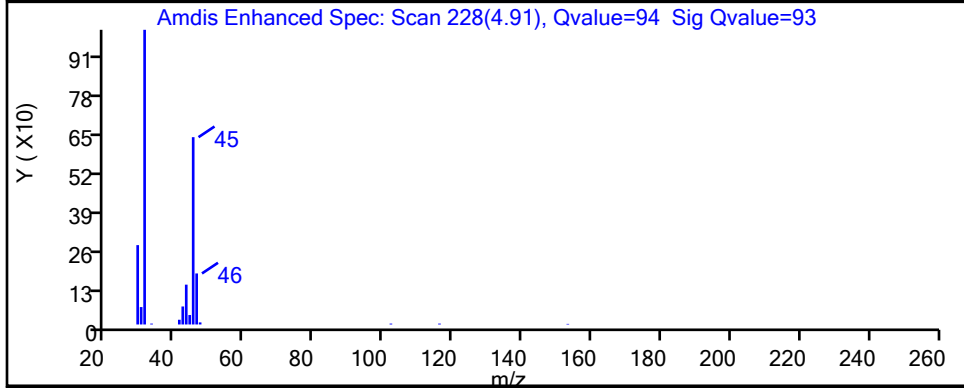
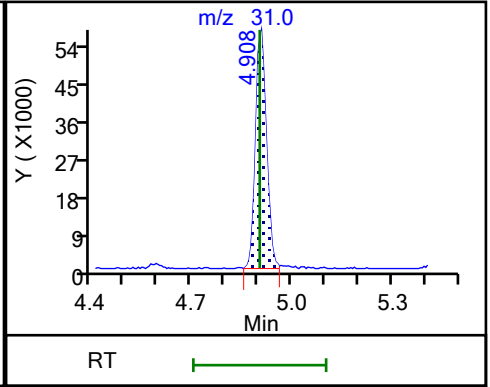
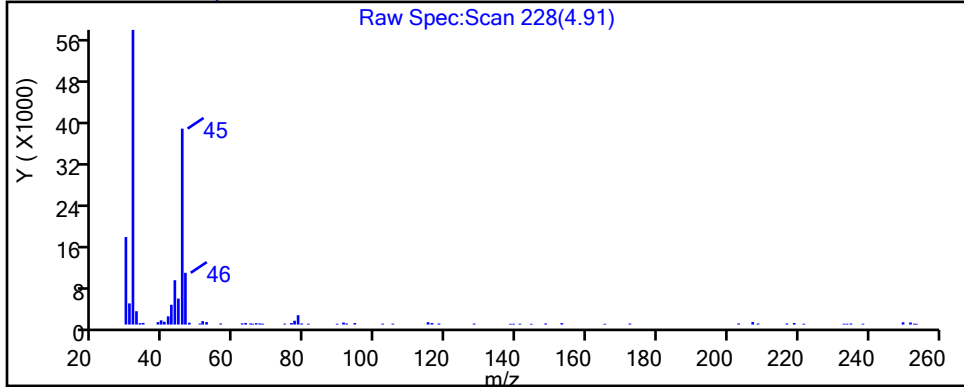
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11 Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

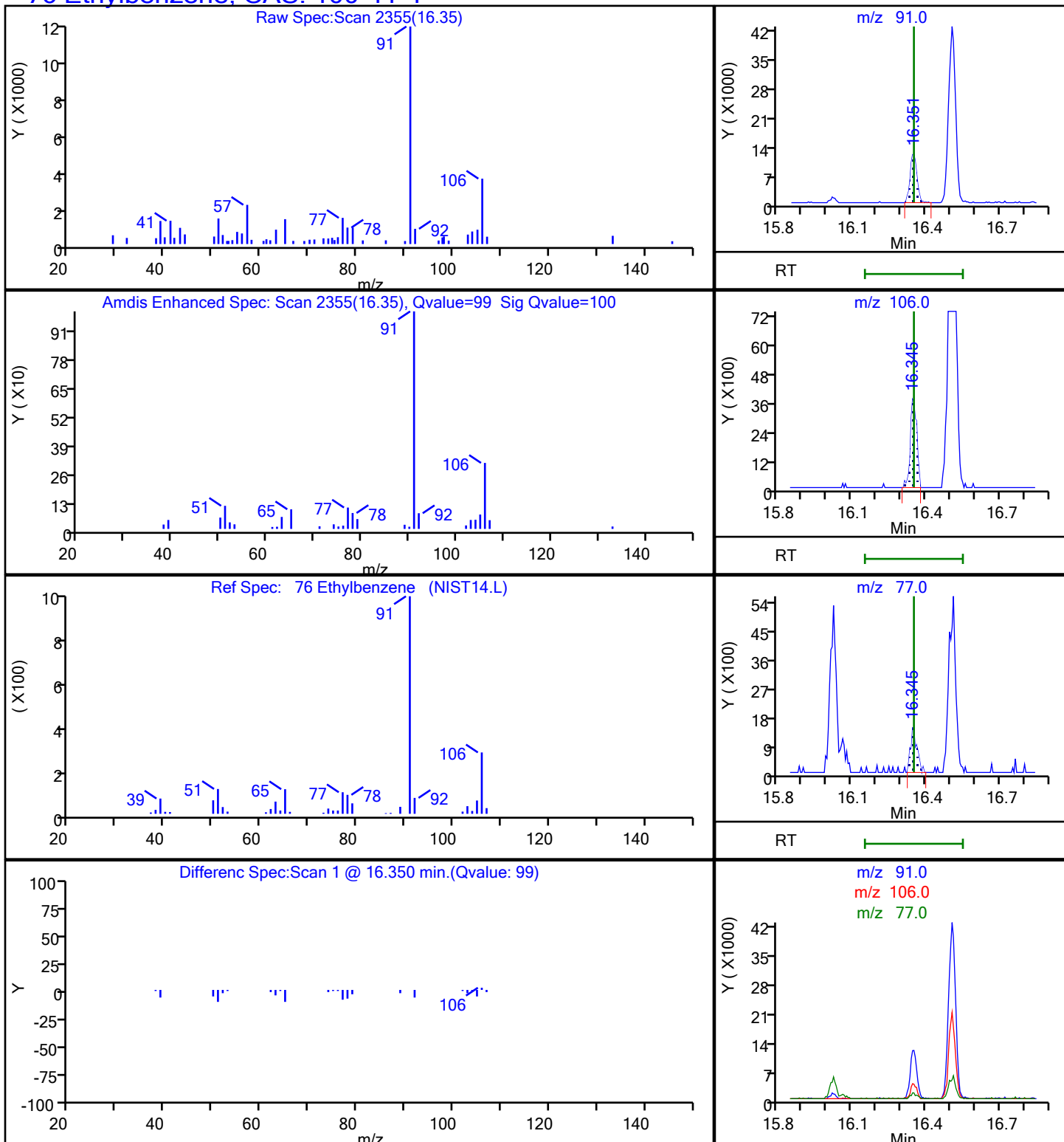
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

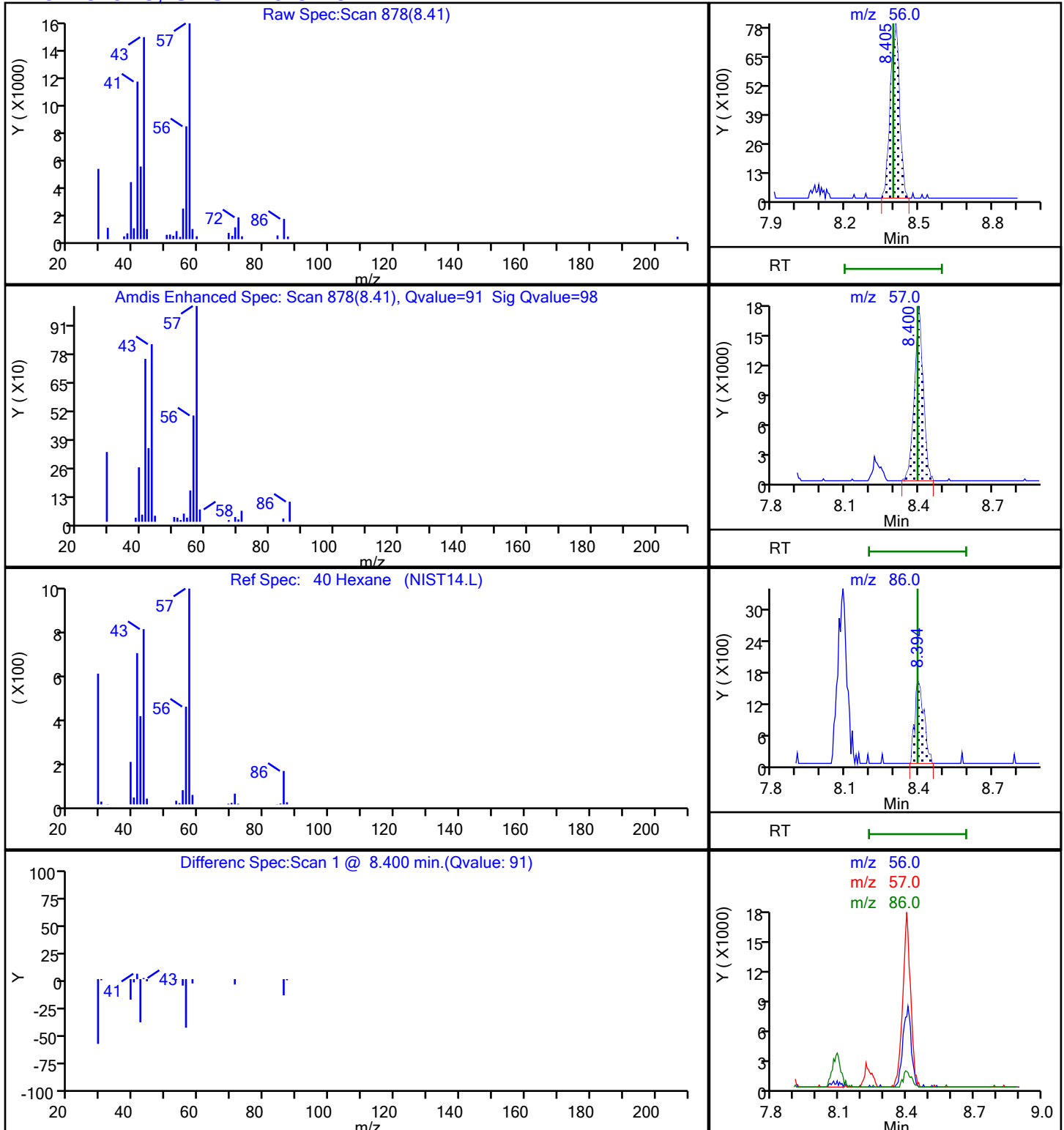
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

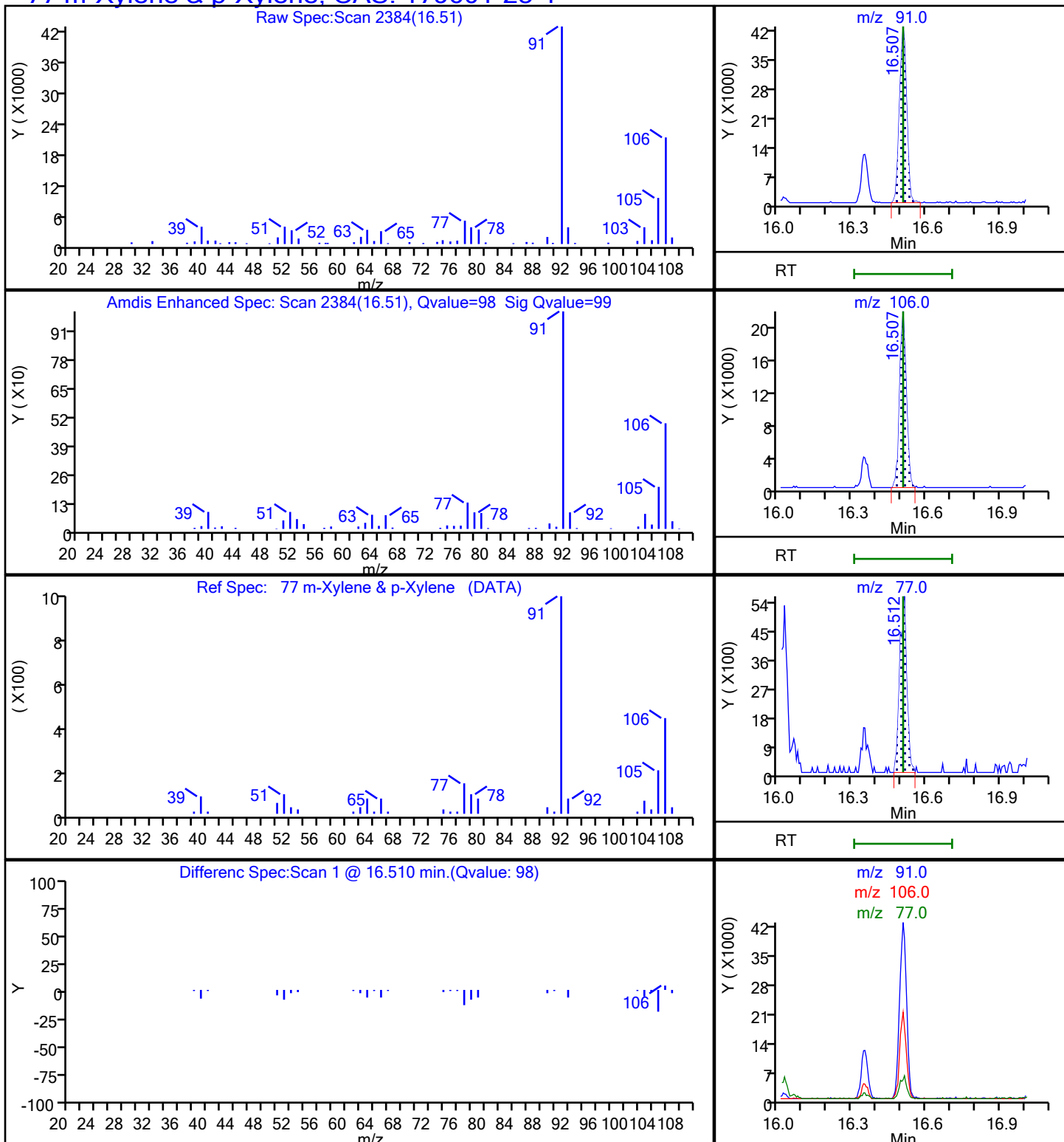
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

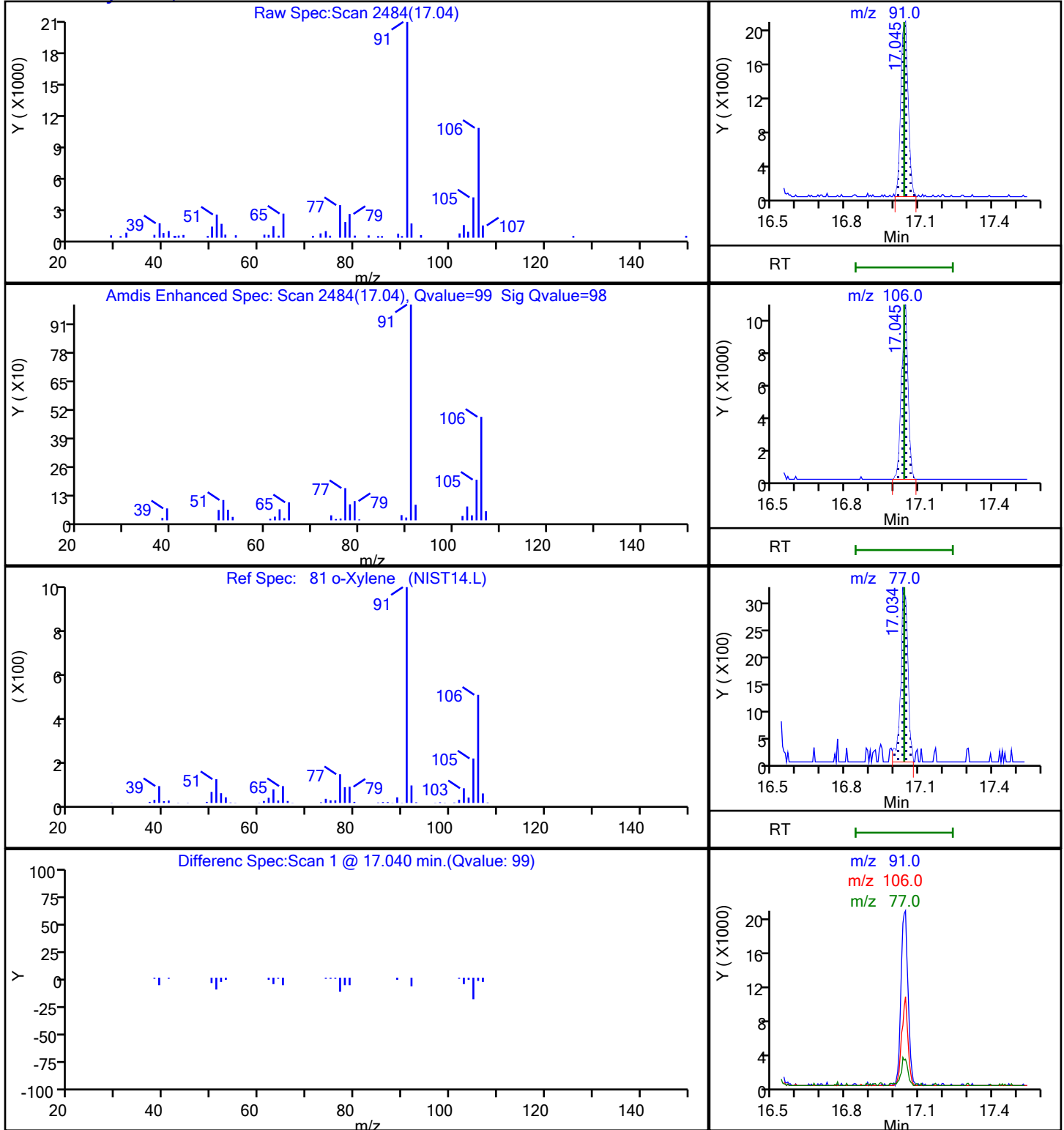
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

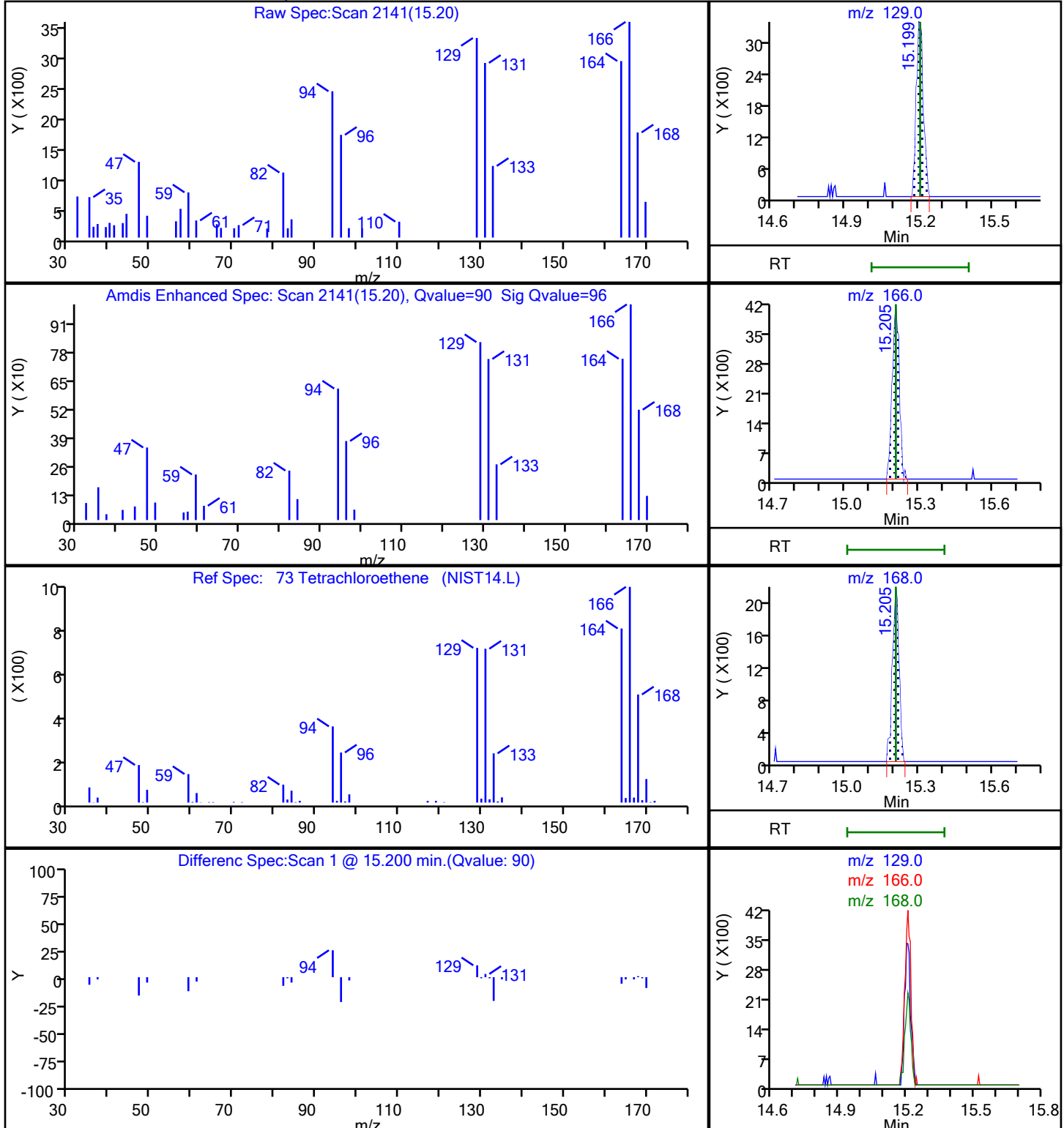
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

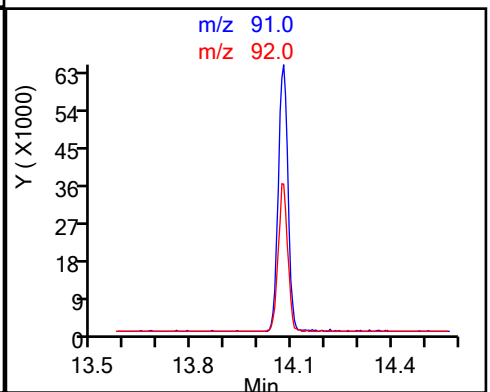
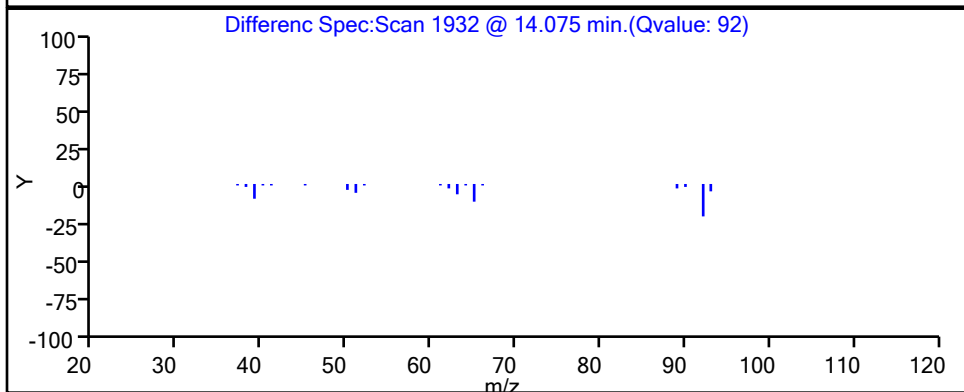
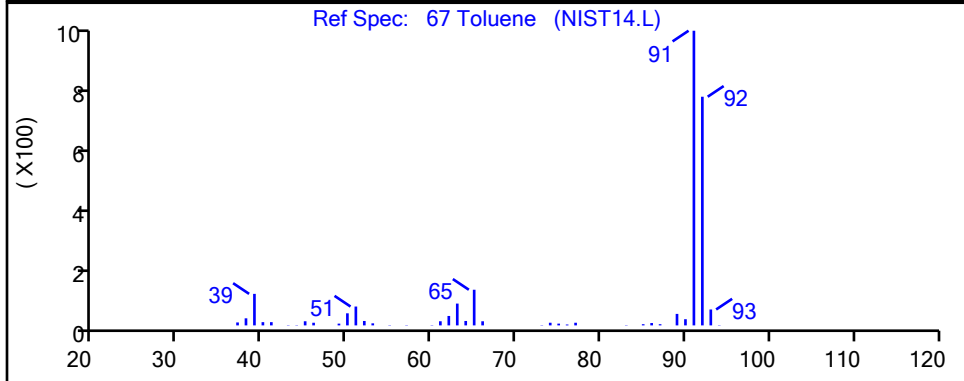
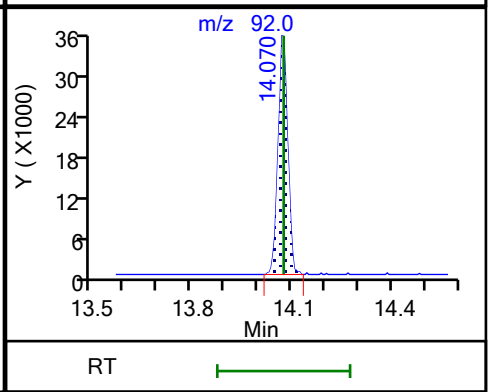
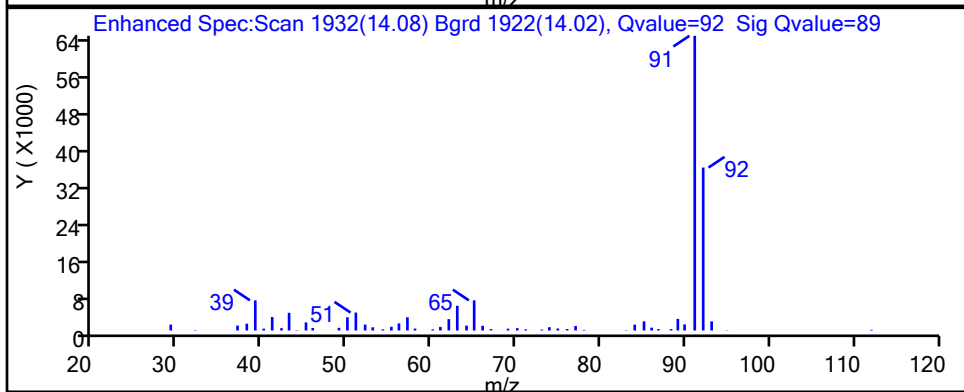
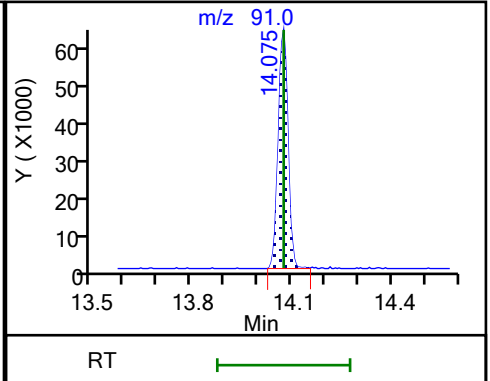
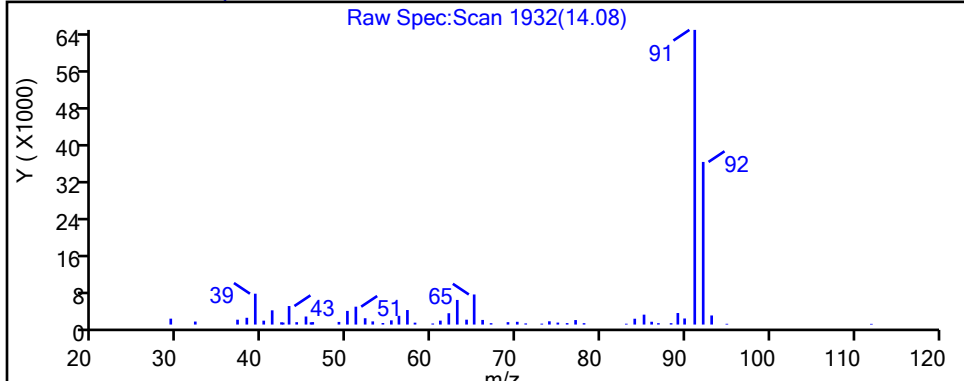
Method: MS_TO15A

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\20211014-21072.b\SJ19P111.D

Injection Date: 19-Oct-2021 22:47:30

Instrument ID: MS

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 11

Worklist Smp#: 16

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

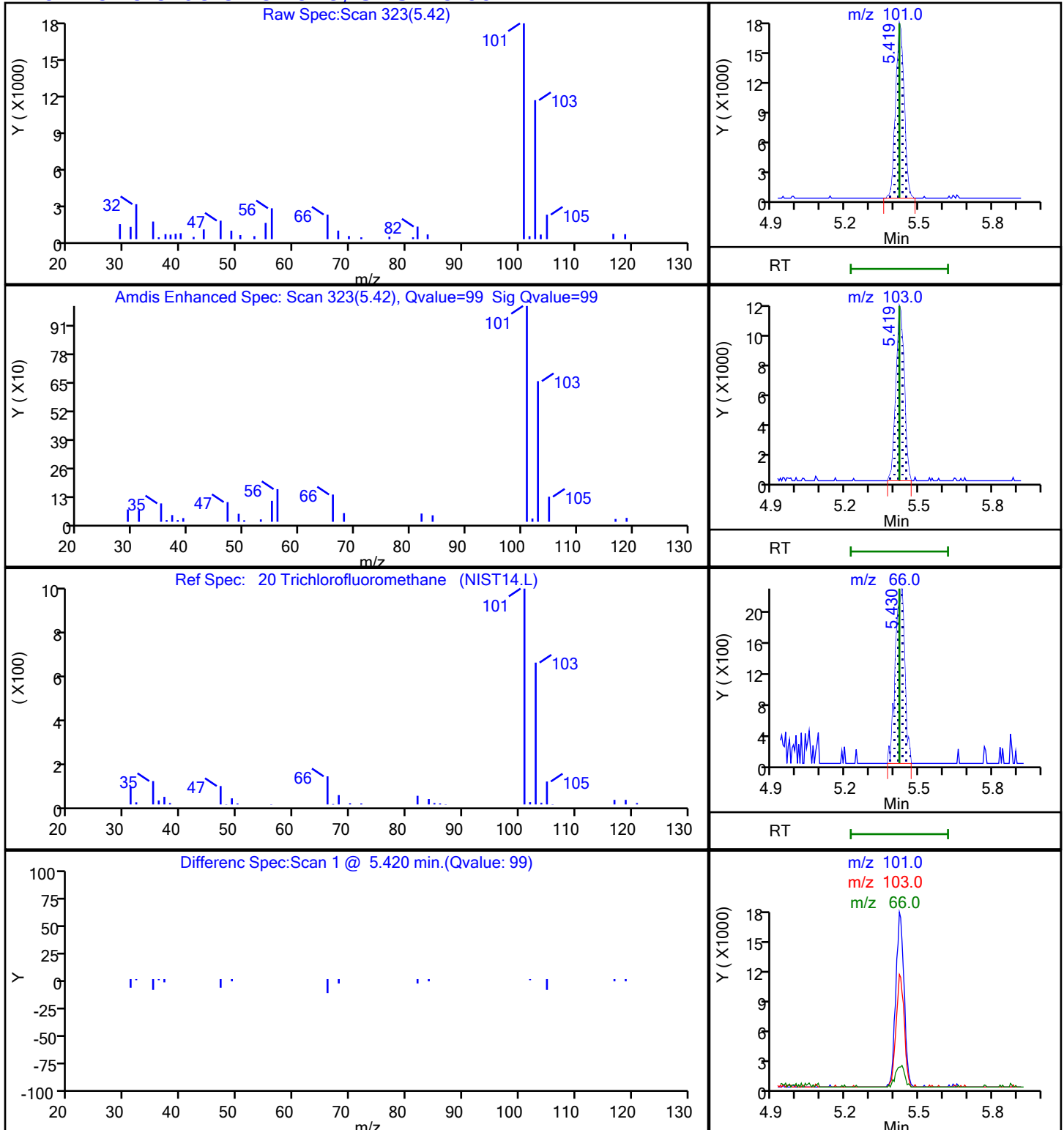
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

20 Trichlorofluoromethane, CAS: 75-69-4

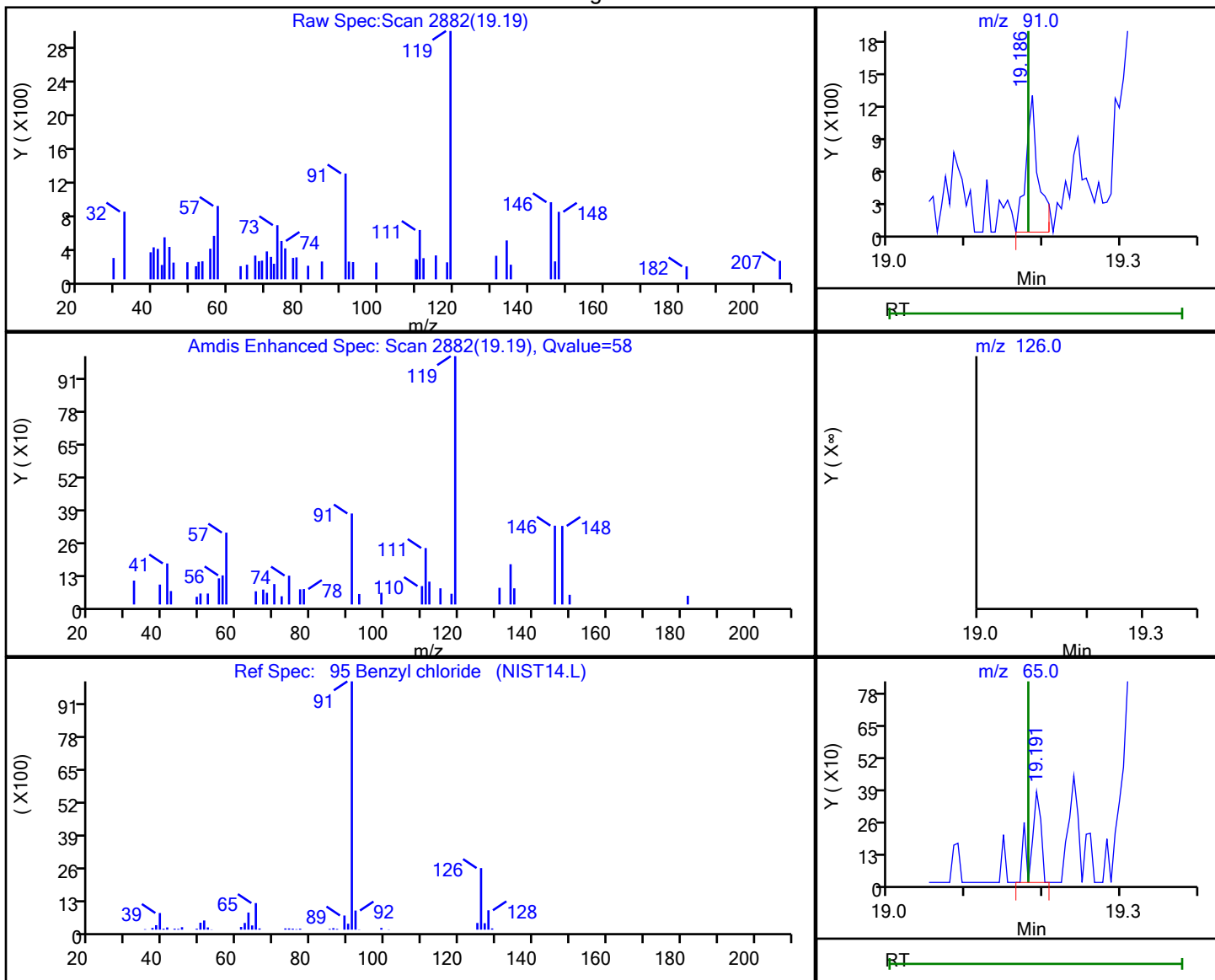


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D
 Injection Date: 19-Oct-2021 22:47:30 Instrument ID: MS
 Lims ID: 140-25006-A-1 Lab Sample ID: 140-25006-1
 Client ID: EQUIPMENT BLANK
 Operator ID: HMT ALS Bottle#: 11 Worklist Smp#: 16
 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

95 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
19.19	91.00	1383	0.145211
19.18	126.00	0	
19.19	65.00	340	

Reviewer: khachitpongpanits, 20-Oct-2021 14:32:55

Audit Action: Marked Compound Undetected

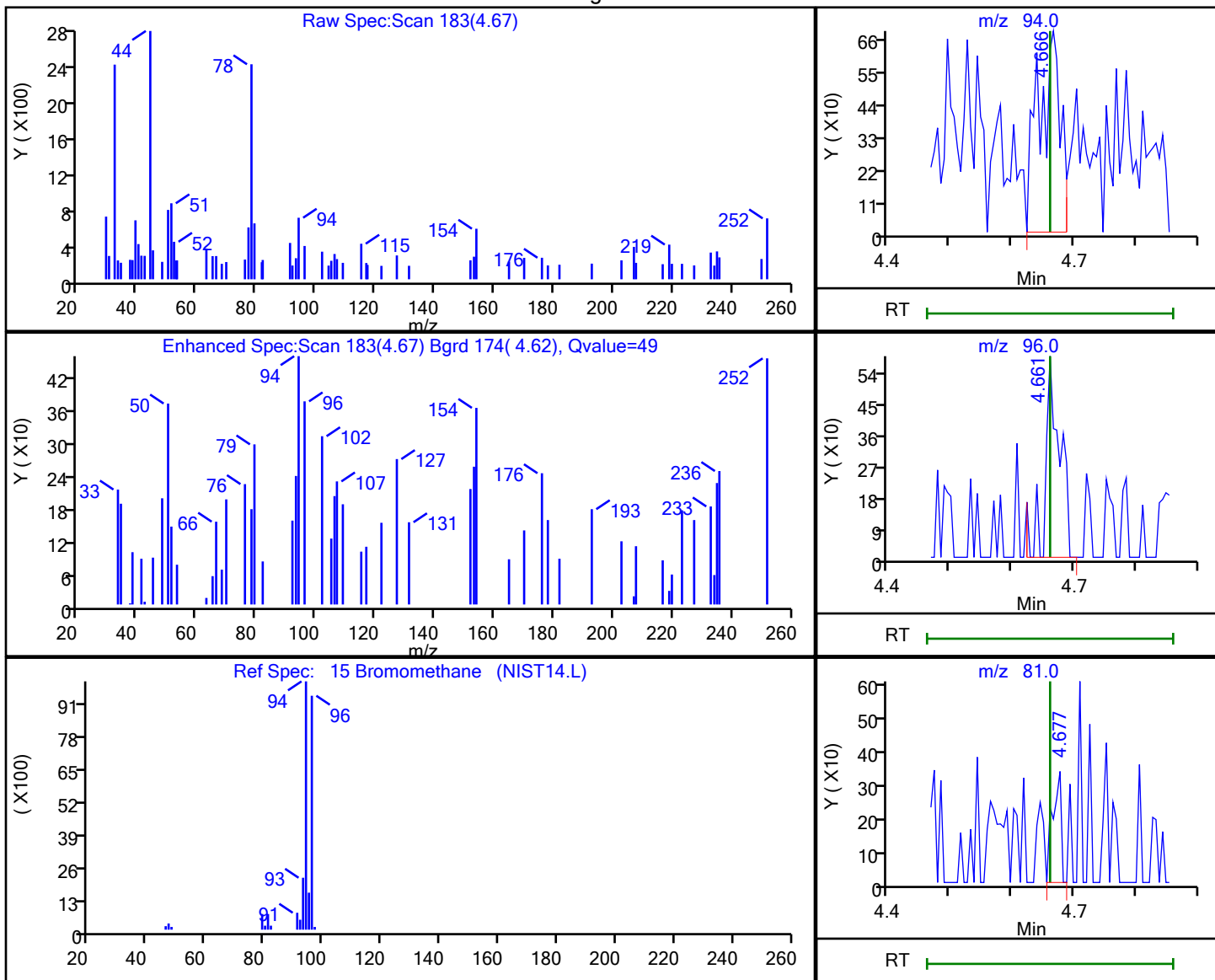
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D
 Injection Date: 19-Oct-2021 22:47:30 Instrument ID: MS
 Lims ID: 140-25006-A-1 Lab Sample ID: 140-25006-1
 Client ID: EQUIPMENT BLANK
 Operator ID: HMT ALS Bottle#: 11 Worklist Smp#: 16
 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

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.67	94.00	1695	0.036049
4.66	96.00	951	
4.68	81.00	323	

Reviewer: khachitpongpanits, 20-Oct-2021 14:31:47

Audit Action: Marked Compound Undetected

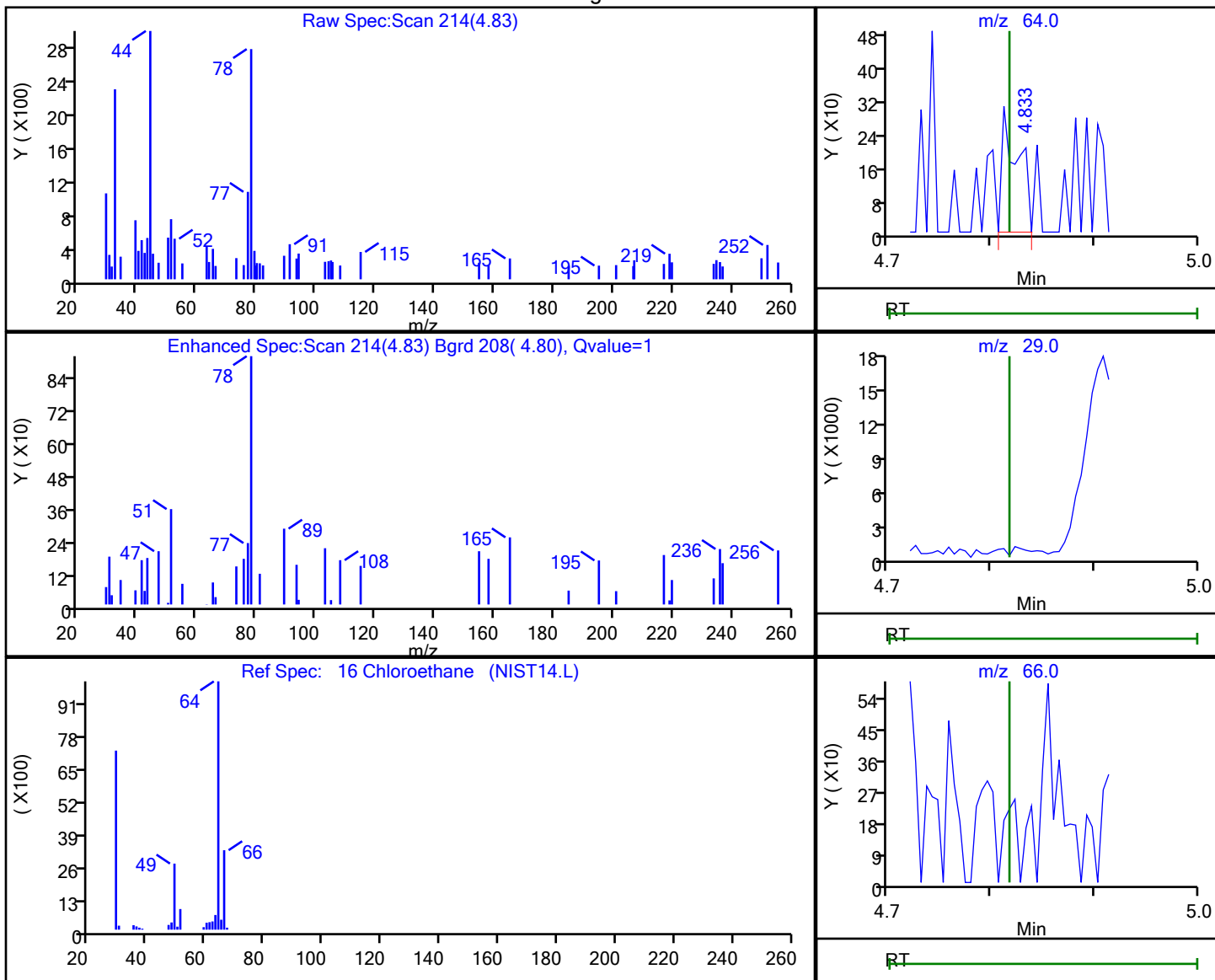
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D
 Injection Date: 19-Oct-2021 22:47:30 Instrument ID: MS
 Lims ID: 140-25006-A-1 Lab Sample ID: 140-25006-1
 Client ID: EQUIPMENT BLANK
 Operator ID: HMT ALS Bottle#: 11 Worklist Smp#: 16
 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
4.83	64.00	334	0.017058
4.82	29.00	0	
4.82	66.00	0	

Reviewer: khachitpongpanits, 20-Oct-2021 14:31:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

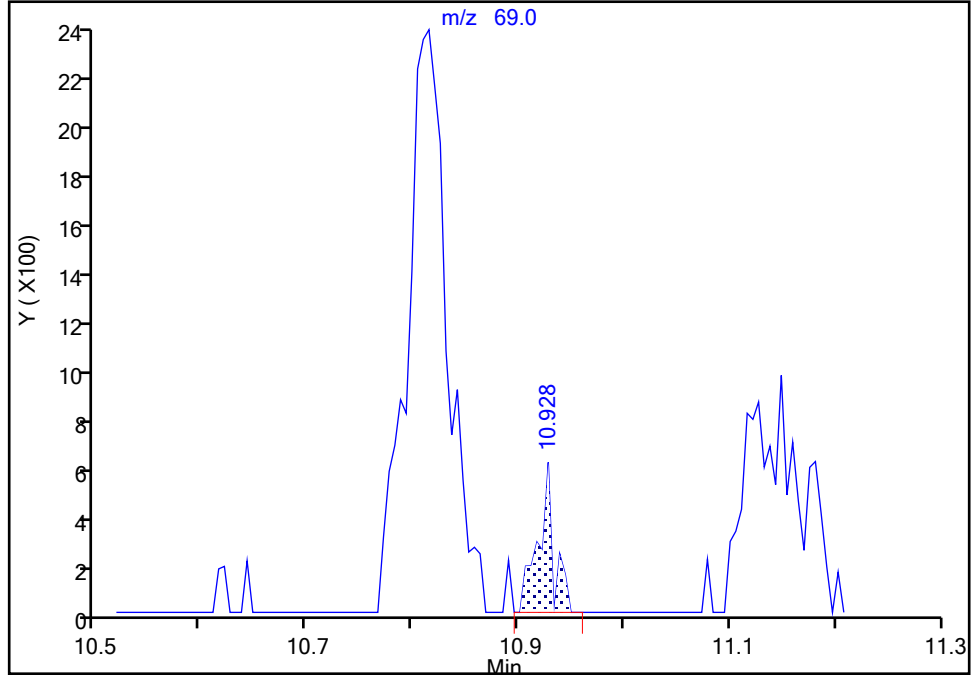
Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P111.D
Injection Date: 19-Oct-2021 22:47:30 Instrument ID: MS
Lims ID: 140-25006-A-1 Lab Sample ID: 140-25006-1
Client ID: EQUIPMENT BLANK
Operator ID: HMT ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector: MS SCAN

50 Cyclohexane, CAS: 110-82-7

Signal: 1

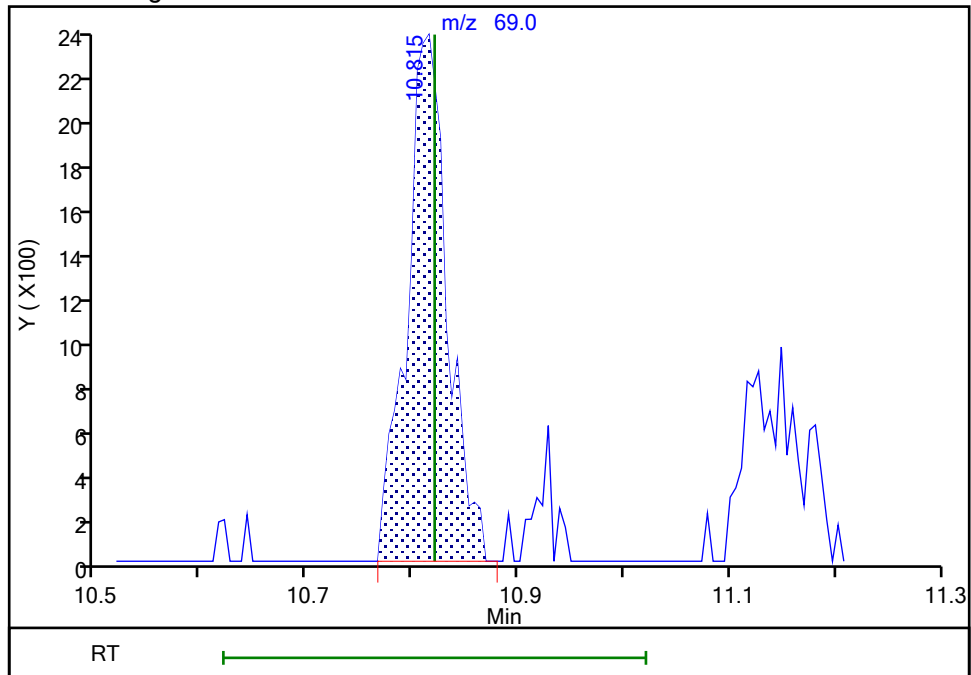
RT: 10.93
Area: 605
Amount: 0.022054
Amount Units: ppb v/v

Processing Integration Results



RT: 10.82
Area: 6175
Amount: 0.225099
Amount Units: ppb v/v

Manual Integration Results



Reviewer: khachitpongpanits, 20-Oct-2021 14:32:11

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-25006-1
 Matrix: Air Lab File ID: RJ22P113.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:10
 Sample wt/vol: 500 (mL) Date Analyzed: 10/22/2021 16:53
 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.: 54949 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
56-23-5	Carbon tetrachloride	153.81	0.083		0.032

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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 140-25006-1
 Matrix: Air Lab File ID: RJ22P113.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:10
 Sample wt/vol: 500 (mL) Date Analyzed: 10/22/2021 16:53
 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.: 54949 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
56-23-5	Carbon tetrachloride	153.81	0.52		0.20

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\MR\20211019-21112.b\RJ22P113.D
 Lims ID: 140-25006-A-1
 Client ID: EQUIPMENT BLANK
 Sample Type: Client
 Inject. Date: 22-Oct-2021 16:53:30 ALS Bottle#: 13 Worklist Smp#: 9
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021112-009
 Misc. Info.: 140-25006-a-1
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-Oct-2021 11:47:28 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1611

First Level Reviewer: khachitpongpanits

Date: 25-Oct-2021 11:47:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.598	8.609	-0.011	81	320817	4.80	
* 2 1,4-Difluorobenzene	114	10.841	10.852	-0.011	92	1459042	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.775	-0.016	84	1094723	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.441	-0.005	95	702302	4.59	
8 Dichlorodifluoromethane	85	3.427	3.414	0.001	98	64185	0.3264	
9 Chloromethane	52	3.610	3.594	0.000	99	8081	0.4446	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.631	3.607	0.010	41	2670	0.0152	
17 Ethanol	31	4.467	4.462	0.005	95	324068	6.42	
20 Trichlorofluoromethane	101	4.904	4.886	0.000	93	43036	0.2052	
28 2-Methyl-2-propanol	59	5.794	5.767	0.027	63	7722	0.0766	
30 112TCTFE	101	5.805	5.793	-0.010	87	11361	0.0648	
39 2-Butanone (MEK)	72	7.827	7.821	0.006	84	17371	0.4534	
40 Hexane	56	7.832	7.813	-0.011	77	23798	0.5093	
44 Chloroform	83	8.619	8.625	-0.006	28	4194	0.0242	
48 1,2-Dichloroethane	62	9.763	9.779	-0.016	48	1239	0.0136	
50 Cyclohexane	69	10.264	10.259	-0.005	46	7731	0.2175	
51 Benzene	78	10.275	10.286	-0.011	95	239125	0.99	
52 Carbon tetrachloride	117	10.291	10.281	-0.011	93	13946	0.0833	
55 Isooctane	57	11.051	11.068	-0.017	95	110370	0.3515	
57 1,2-Dichloropropane	63	11.526	11.542	-0.016	0	1000	0.0109	
58 Trichloroethene	130	11.574	11.574	0.000	41	3575	0.0285	
67 Toluene	91	13.704	13.742	-0.038	95	167559	0.6840	
72 Ethylene Dibromide	107	14.842	14.858	-0.016	22	1271	0.008321	
73 Tetrachloroethene	129	14.902	14.928	-0.026	94	16465	0.1423	
74 Chlorobenzene	112	15.807	15.829	-0.022	1	3451	0.0157	
76 Ethylbenzene	91	16.104	16.120	-0.016	95	27767	0.0838	
77 m-Xylene & p-Xylene	91	16.266	16.282	-0.016	96	109084	0.4242	
79 Bromoform	173	16.740	16.729	-0.006	1	582	0.0441	
81 o-Xylene	91	16.805	16.816	-0.011	98	48001	0.1830	
87 1,3,5-Trimethylbenzene	120	18.164	18.175	-0.011	95	16507	0.0964	
92 1,2,4-Trimethylbenzene	105	18.606	18.606	0.000	96	109806	0.3121	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
109 Naphthalene	128	21.184	21.184	0.000	98	25741	0.0741	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RJ22P113.D

Injection Date: 22-Oct-2021 16:53:30

Instrument ID: MR

Operator ID: HMT

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Worklist Smp#: 9

Client ID: EQUIPMENT BLANK

Purge Vol: 500.000 mL

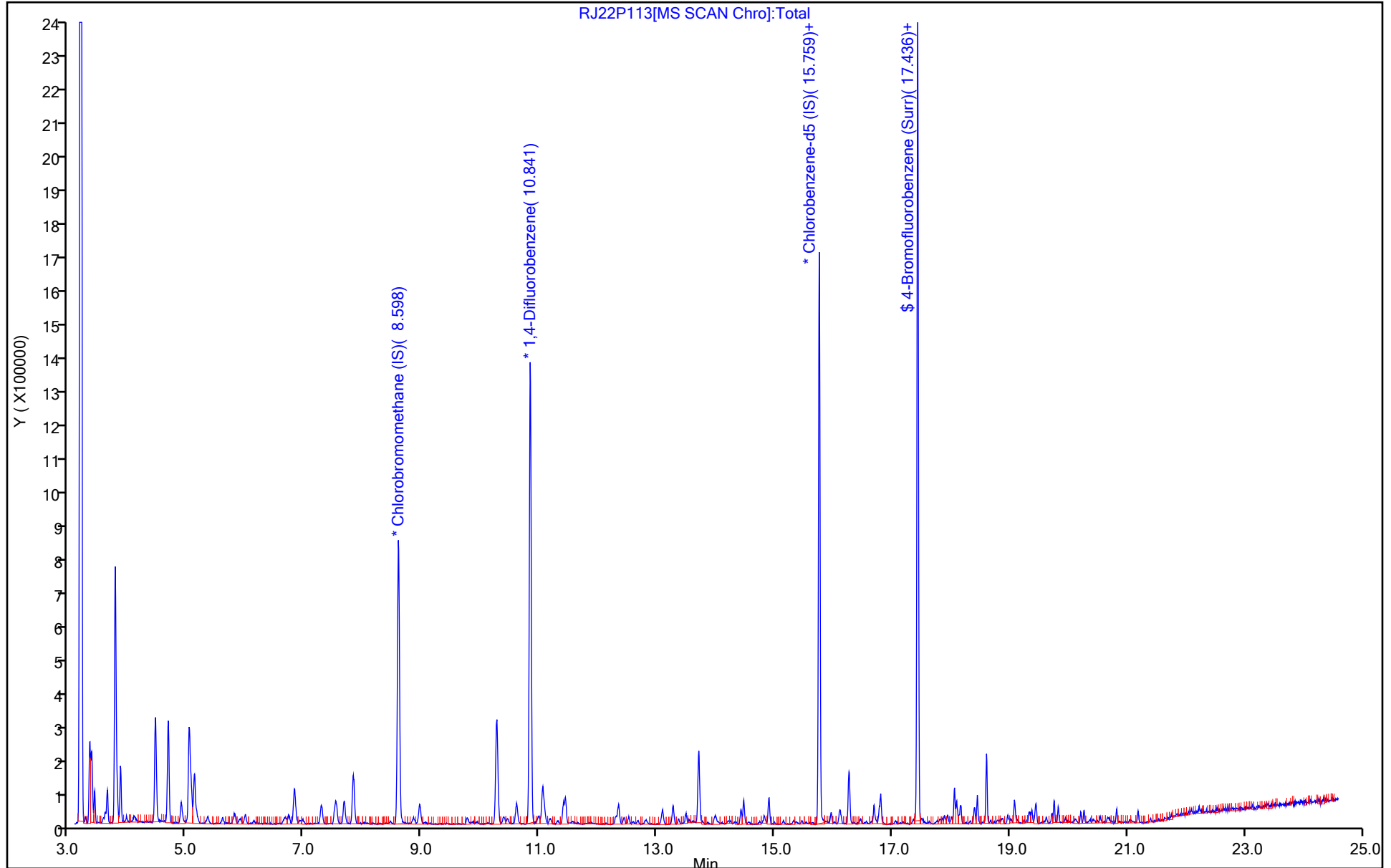
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RJ22P113.D
 Lims ID: 140-25006-A-1
 Client ID: EQUIPMENT BLANK
 Sample Type: Client
 Inject. Date: 22-Oct-2021 16:53:30 ALS Bottle#: 13 Worklist Smp#: 9
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021112-009
 Misc. Info.: 140-25006-a-1
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-Oct-2021 11:47:28 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1611

First Level Reviewer: khachitpongpanits Date: 25-Oct-2021 11:47:28

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.59	98.93

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RJ22P113.D

Injection Date: 22-Oct-2021 16:53:30

Instrument ID: MR

Lims ID: 140-25006-A-1

Lab Sample ID: 140-25006-1

Client ID: EQUIPMENT BLANK

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 9

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

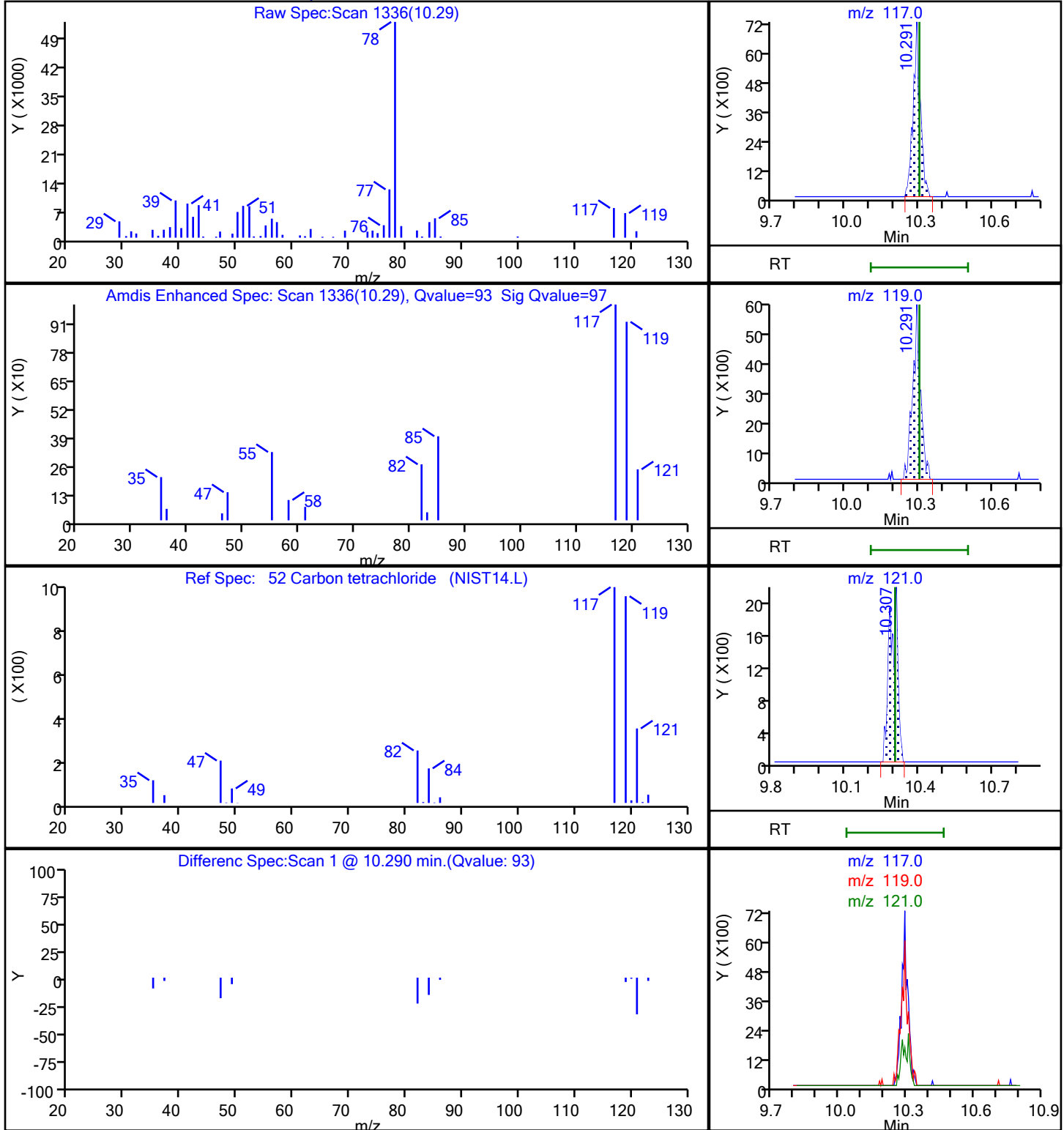
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

52 Carbon tetrachloride, CAS: 56-23-5



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: GAC INFLUENT Lab Sample ID: 140-25006-2
 Matrix: Air Lab File ID: SJ19P112.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:15
 Sample wt/vol: 25 (mL) Date Analyzed: 10/19/2021 23:34
 Soil Aliquot Vol: _____ Dilution Factor: 11.31
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 54824 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		18
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		18
79-00-5	1,1,2-Trichloroethane	133.41	ND		18
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		18
75-34-3	1,1-Dichloroethane	98.96	ND		18
75-35-4	1,1-Dichloroethene	96.94	ND		9.0
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		18
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		18
106-93-4	1,2-Dibromoethane	187.87	ND		18
95-50-1	1,2-Dichlorobenzene	147.00	ND		18
107-06-2	1,2-Dichloroethane	98.96	ND		18
78-87-5	1,2-Dichloropropane	112.99	ND		18
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		18
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		18
541-73-1	1,3-Dichlorobenzene	147.00	ND		18
106-46-7	1,4-Dichlorobenzene	147.00	ND		18
123-91-1	1,4-Dioxane	88.11	ND		45
540-84-1	2,2,4-Trimethylpentane	114.23	ND		45
78-93-3	2-Butanone	72.11	ND		72
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		45
71-43-2	Benzene	78.11	ND		18
100-44-7	Benzyl chloride	126.58	ND		36
75-27-4	Bromodichloromethane	163.83	ND		18
75-25-2	Bromoform	252.75	ND		18
74-83-9	Bromomethane	94.94	ND	++	18
56-23-5	Carbon tetrachloride	153.81	ND	++	7.2
108-90-7	Chlorobenzene	112.56	ND		18
75-00-3	Chloroethane	64.52	ND		18
67-66-3	Chloroform	119.38	ND		18
74-87-3	Chloromethane	50.49	ND		45
156-59-2	cis-1,2-Dichloroethene	96.94	ND		9.0
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		18
110-82-7	Cyclohexane	84.16	ND		45

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: GAC INFLUENT Lab Sample ID: 140-25006-2
 Matrix: Air Lab File ID: SJ19P112.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:15
 Sample wt/vol: 25 (mL) Date Analyzed: 10/19/2021 23:34
 Soil Aliquot Vol: _____ Dilution Factor: 11.31
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 54824 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND	++	18	
75-71-8	Dichlorodifluoromethane	120.91	ND		18	
64-17-5	Ethanol	46.07	ND		450	
100-41-4	Ethylbenzene	106.17	ND		18	
87-68-3	Hexachlorobutadiene	260.76	ND		18	
110-54-3	Hexane	86.17	ND		45	
1634-04-4	Methyl tert-butyl ether	88.15	ND		36	
75-09-2	Methylene Chloride	84.93	ND		90	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		18	
91-20-3	Naphthalene	128.17	ND		45	
95-47-6	o-Xylene	106.17	ND		18	
100-42-5	Styrene	104.15	ND		18	
75-65-0	t-Butyl alcohol	74.12	ND		72	
127-18-4	Tetrachloroethene	165.83	1400		18	
108-88-3	Toluene	92.14	ND		27	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		18	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		18	
79-01-6	Trichloroethene	131.39	ND		8.1	
75-69-4	Trichlorofluoromethane	137.37	ND		18	
75-01-4	Vinyl chloride	62.50	ND		9.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: GAC INFLUENT Lab Sample ID: 140-25006-2
 Matrix: Air Lab File ID: SJ19P112.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:15
 Sample wt/vol: 25 (mL) Date Analyzed: 10/19/2021 23:34
 Soil Aliquot Vol: _____ Dilution Factor: 11.31
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 54824 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		99
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		120
79-00-5	1,1,2-Trichloroethane	133.41	ND		99
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		140
75-34-3	1,1-Dichloroethane	98.96	ND		73
75-35-4	1,1-Dichloroethene	96.94	ND		36
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		130
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		89
106-93-4	1,2-Dibromoethane	187.87	ND		140
95-50-1	1,2-Dichlorobenzene	147.00	ND		110
107-06-2	1,2-Dichloroethane	98.96	ND		73
78-87-5	1,2-Dichloropropane	112.99	ND		84
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		130
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		89
541-73-1	1,3-Dichlorobenzene	147.00	ND		110
106-46-7	1,4-Dichlorobenzene	147.00	ND		110
123-91-1	1,4-Dioxane	88.11	ND		160
540-84-1	2,2,4-Trimethylpentane	114.23	ND		210
78-93-3	2-Butanone	72.11	ND		210
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		190
71-43-2	Benzene	78.11	ND		58
100-44-7	Benzyl chloride	126.58	ND		190
75-27-4	Bromodichloromethane	163.83	ND		120
75-25-2	Bromoform	252.75	ND		190
74-83-9	Bromomethane	94.94	ND	++	70
56-23-5	Carbon tetrachloride	153.81	ND	++	46
108-90-7	Chlorobenzene	112.56	ND		83
75-00-3	Chloroethane	64.52	ND		48
67-66-3	Chloroform	119.38	ND		88
74-87-3	Chloromethane	50.49	ND		93
156-59-2	cis-1,2-Dichloroethene	96.94	ND		36
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		82
110-82-7	Cyclohexane	84.16	ND		160

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: GAC INFLUENT Lab Sample ID: 140-25006-2
 Matrix: Air Lab File ID: SJ19P112.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:15
 Sample wt/vol: 25 (mL) Date Analyzed: 10/19/2021 23:34
 Soil Aliquot Vol: _____ Dilution Factor: 11.31
 Soil Extract Vol.: _____ GC Column: RTX-5 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 54824 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND	++	150	
75-71-8	Dichlorodifluoromethane	120.91	ND		89	
64-17-5	Ethanol	46.07	ND		850	
100-41-4	Ethylbenzene	106.17	ND		79	
87-68-3	Hexachlorobutadiene	260.76	ND		190	
110-54-3	Hexane	86.17	ND		160	
1634-04-4	Methyl tert-butyl ether	88.15	ND		130	
75-09-2	Methylene Chloride	84.93	ND		310	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		79	
91-20-3	Naphthalene	128.17	ND		240	
95-47-6	o-Xylene	106.17	ND		79	
100-42-5	Styrene	104.15	ND		77	
75-65-0	t-Butyl alcohol	74.12	ND		220	
127-18-4	Tetrachloroethene	165.83	9600		120	
108-88-3	Toluene	92.14	ND		100	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		72	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		82	
79-01-6	Trichloroethene	131.39	ND		44	
75-69-4	Trichlorofluoromethane	137.37	ND		100	
75-01-4	Vinyl chloride	62.50	ND		23	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

Eurofins TestAmerica, Knoxville
 Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P112.D
 Lims ID: 140-25006-A-2
 Client ID: GAC INFLUENT
 Sample Type: Client
 Inject. Date: 19-Oct-2021 23:34:30 ALS Bottle#: 12 Worklist Smp#: 17
 Purge Vol: 500.000 mL Dil. Factor: 11.3100
 Sample Info: 140-0021072-017
 Misc. Info.: 140-25006-a-2@11.31
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 14:34:52 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1613

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 14:34:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.164	9.164	0.000	91	200475	4.80	
* 2 1,4-Difluorobenzene	114	11.342	11.348	-0.006	94	942180	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.023	16.023	0.000	88	788355	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.669	17.674	-0.005	90	608426	4.36	
44 Chloroform	83	9.169	9.174	-0.005	27	2022	0.0145	
51 Benzene	78	10.810	10.810	-0.005	1	1887	0.0109	
72 Ethylene Dibromide	107	15.135	15.140	-0.005	26	876	0.008993	
73 Tetrachloroethene	129	15.205	15.205	0.000	92	388635	6.28	
75 Chlorobenzene	112	16.066	16.071	-0.005	81	2425	0.0178	
94 1,3-Dichlorobenzene	146	19.111	19.110	0.001	95	7912	0.0580	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P112.D

Injection Date: 19-Oct-2021 23:34:30

Instrument ID: MS

Operator ID: HMT

Lims ID: 140-25006-A-2

Lab Sample ID: 140-25006-2

Worklist Smp#: 17

Client ID: GAC INFLUENT

Purge Vol: 500.000 mL

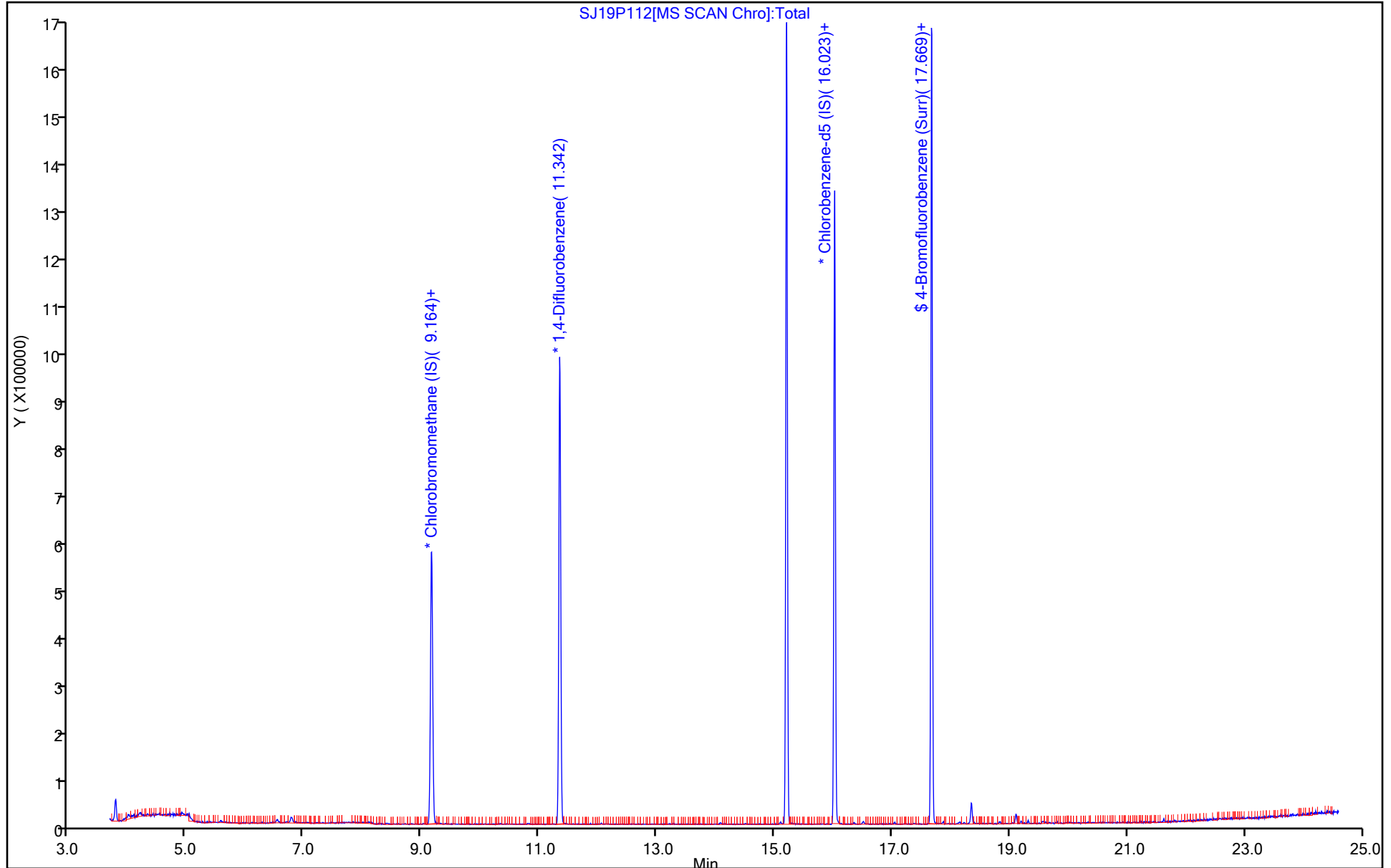
Dil. Factor: 11.3100

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\20211014-21072.b\SJ19P112.D
 Lims ID: 140-25006-A-2
 Client ID: GAC INFLUENT
 Sample Type: Client
 Inject. Date: 19-Oct-2021 23:34:30 ALS Bottle#: 12 Worklist Smp#: 17
 Purge Vol: 500.000 mL Dil. Factor: 11.3100
 Sample Info: 140-0021072-017
 Misc. Info.: 140-25006-a-2@11.31
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 14:34:52 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1613

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 14:34:52

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.36	93.97

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P112.D

Injection Date: 19-Oct-2021 23:34:30

Instrument ID: MS

Lims ID: 140-25006-A-2

Lab Sample ID: 140-25006-2

Client ID: GAC INFLUENT

Operator ID: HMT

ALS Bottle#: 12

Worklist Smp#: 17

Purge Vol: 500.000 mL

Dil. Factor: 11.3100

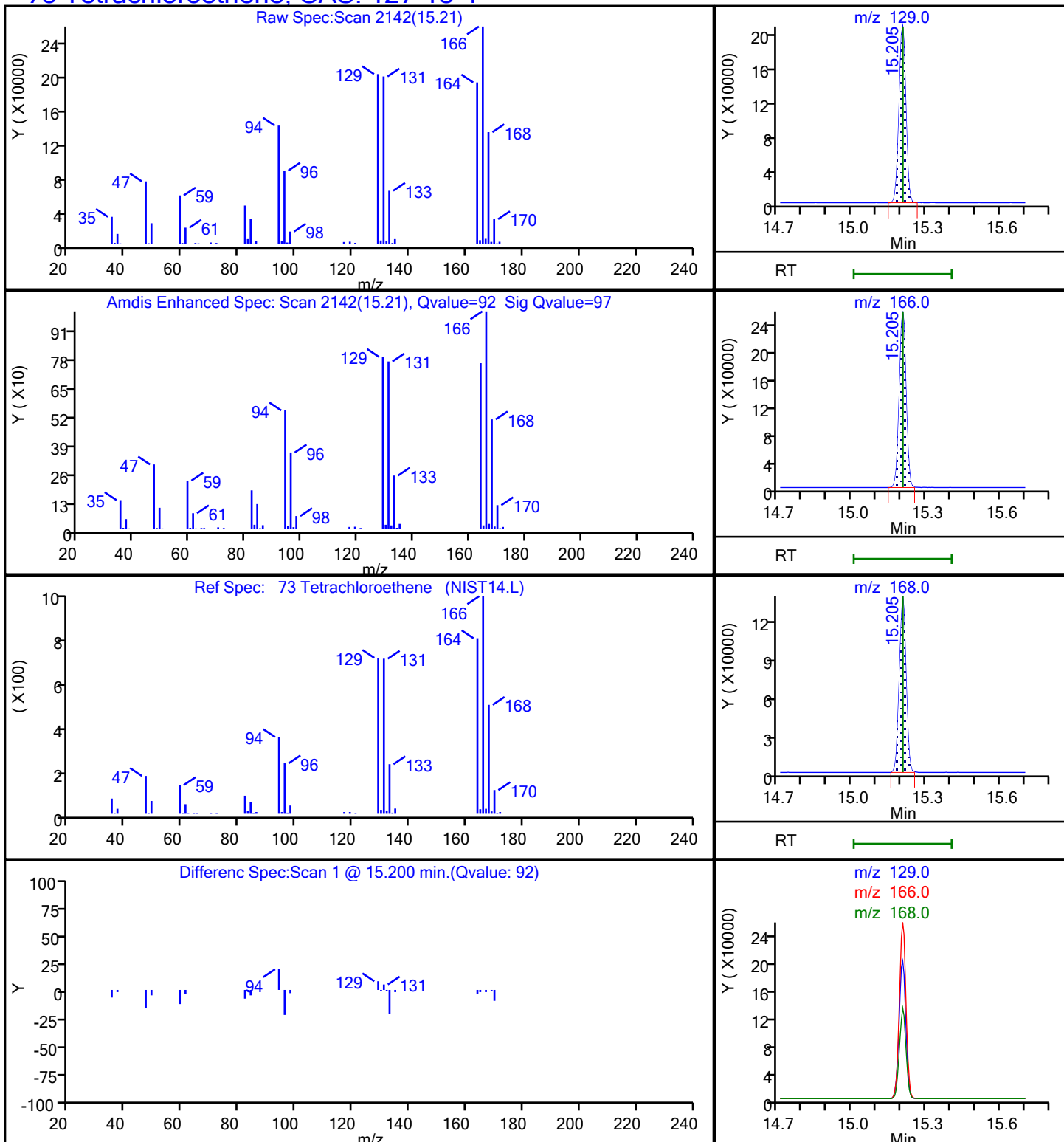
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

73 Tetrachloroethene, CAS: 127-18-4

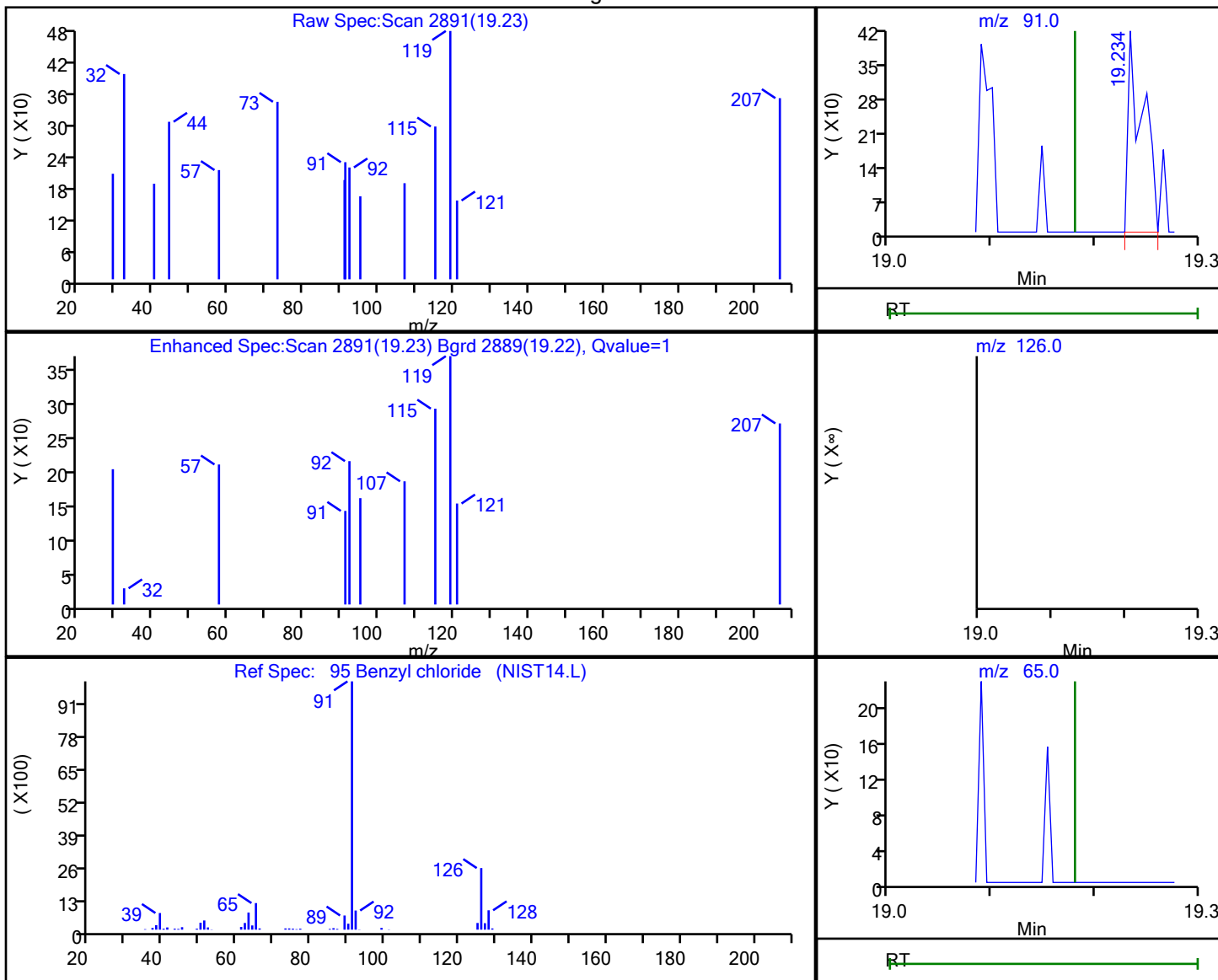


Eurofins TestAmerica, Knoxville

Data File: \\chromfms\Knoxville\ChromData\MS\20211014-21072.b\SJ19P112.D
 Injection Date: 19-Oct-2021 23:34:30 Instrument ID: MS
 Lims ID: 140-25006-A-2 Lab Sample ID: 140-25006-2
 Client ID: GAC INFLUENT
 Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17
 Purge Vol: 500.000 mL Dil. Factor: 11.3100
 Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
 Column: RTX-5 (0.32 mm) Detector: MS SCAN

95 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
19.23	91.00	418	0.139134
19.18	126.00	0	
19.18	65.00	0	

Reviewer: khachitpongpanits, 20-Oct-2021 14:34:43

Audit Action: Marked Compound Undetected

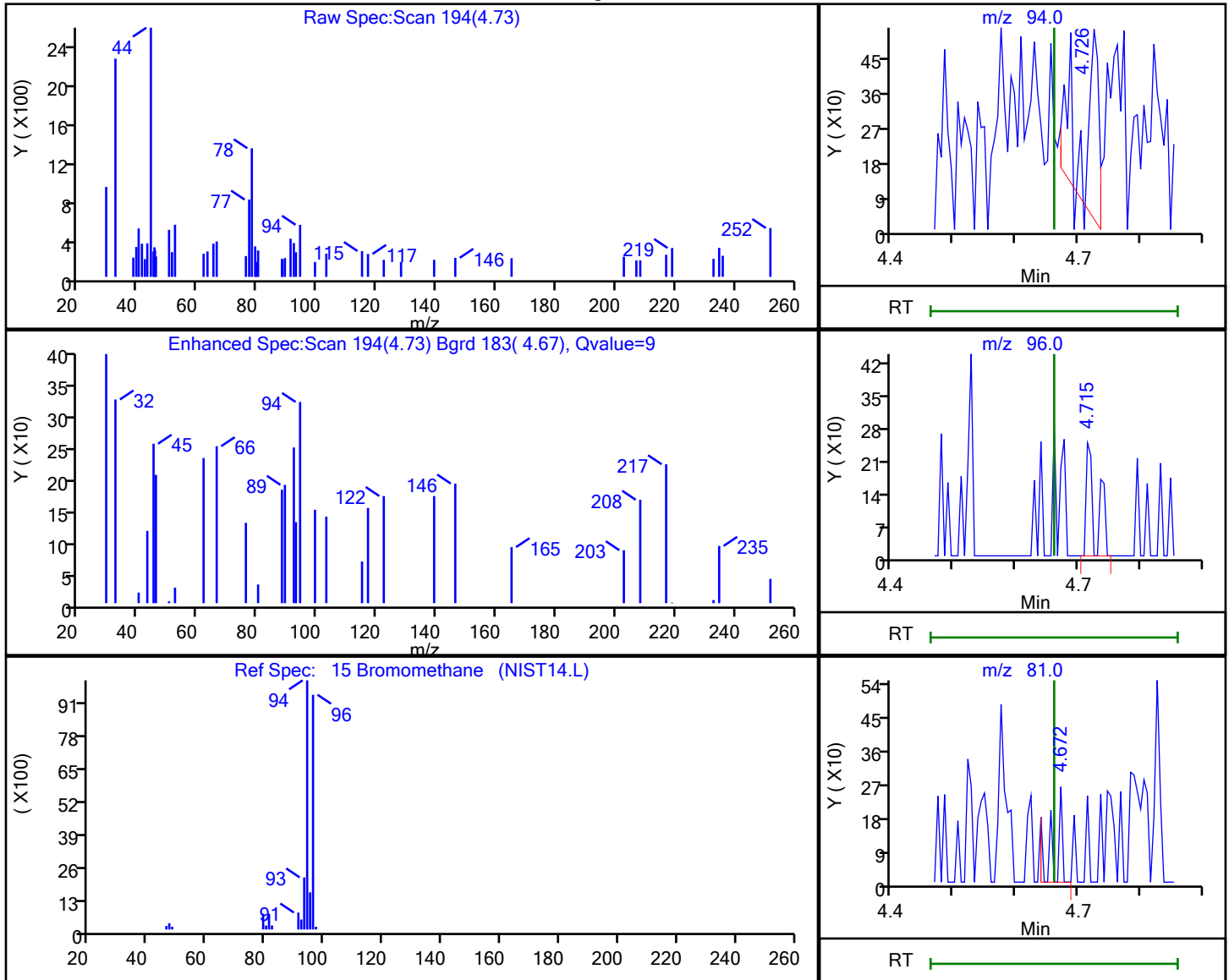
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P112.D
 Injection Date: 19-Oct-2021 23:34:30 Instrument ID: MS
 Lims ID: 140-25006-A-2 Lab Sample ID: 140-25006-2
 Client ID: GAC INFLUENT
 Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17
 Purge Vol: 500.000 mL Dil. Factor: 11.3100
 Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
 Column: RTX-5 (0.32 mm) Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.73	94.00	807	0.017712
4.71	96.00	254	
4.67	81.00	203	

Reviewer: khachitpongpanits, 20-Oct-2021 14:34:19

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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: GAC EFFLUENT Lab Sample ID: 140-25006-3
 Matrix: Air Lab File ID: SJ19P113D.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:20
 Sample wt/vol: 500 (mL) Date Analyzed: 10/20/2021 00:23
 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.: 54824 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	0.44		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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: GAC EFFLUENT Lab Sample ID: 140-25006-3
 Matrix: Air Lab File ID: SJ19P113D.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:20
 Sample wt/vol: 500 (mL) Date Analyzed: 10/20/2021 00:23
 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.: 54824 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	1.6		0.080	
64-17-5	Ethanol	46.07	5.3		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	0.85		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	0.32		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: GAC EFFLUENT Lab Sample ID: 140-25006-3
 Matrix: Air Lab File ID: SJ19P113D.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:20
 Sample wt/vol: 500(mL) Date Analyzed: 10/20/2021 00:23
 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.: 54824 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	0.92		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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: GAC EFFLUENT Lab Sample ID: 140-25006-3
 Matrix: Air Lab File ID: SJ19P113D.D
 Analysis Method: TO 15 LL Date Collected: 10/12/2021 12:20
 Sample wt/vol: 500(mL) Date Analyzed: 10/20/2021 00:23
 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.: 54824 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	7.9		0.40	
64-17-5	Ethanol	46.07	10		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	5.7		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	1.8		0.45	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P113D.D
 Lims ID: 140-25006-A-3
 Client ID: GAC EFFLUENT
 Sample Type: Client
 Inject. Date: 20-Oct-2021 00:23:30 ALS Bottle#: 13 Worklist Smp#: 18
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-018
 Misc. Info.: 140-25006-a-3
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 14:37:12 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1613

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 14:37:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.158	9.164	-0.006	91	200685	4.80	
* 2 1,4-Difluorobenzene	114	11.342	11.348	-0.006	95	916298	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.023	16.023	-0.001	88	766051	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.674	0.000	89	640064	4.72	
8 Dichlorodifluoromethane	85	3.843	3.849	-0.006	98	255607	1.59	
9 Chloromethane	52	4.042	4.042	0.000	96	6498	0.4446	M
17 Ethanol	31	4.903	4.903	0.000	95	90149	5.32	
20 Trichlorofluoromethane	101	5.419	5.419	0.000	99	50095	0.3199	
27 1,1-Dichloroethene	96	6.151	6.173	-0.022	23	1604	0.0281	
39 2-Butanone (MEK)	72	8.394	8.368	0.027	96	2734	0.0864	
40 Hexane	56	8.400	8.394	0.006	65	769	0.0151	
51 Benzene	78	10.810	10.810	-0.005	16	3481	0.0207	
68 1,1,2-Trichloroethane	83	14.145	14.145	0.000	1	670	0.0108	
72 Ethylene Dibromide	107	15.140	15.140	0.000	44	853	0.009012	
73 Tetrachloroethene	129	15.199	15.205	-0.006	91	50911	0.8466	
94 1,3-Dichlorobenzene	146	19.110	19.110	0.000	92	2451	0.0185	
95 Benzyl chloride	91	19.110	19.180	-0.070	38	55	0.1369	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P113D.D

Injection Date: 20-Oct-2021 00:23:30

Instrument ID: MS

Operator ID: HMT

Lims ID: 140-25006-A-3

Lab Sample ID: 140-25006-3

Worklist Smp#: 18

Client ID: GAC EFFLUENT

Purge Vol: 500.000 mL

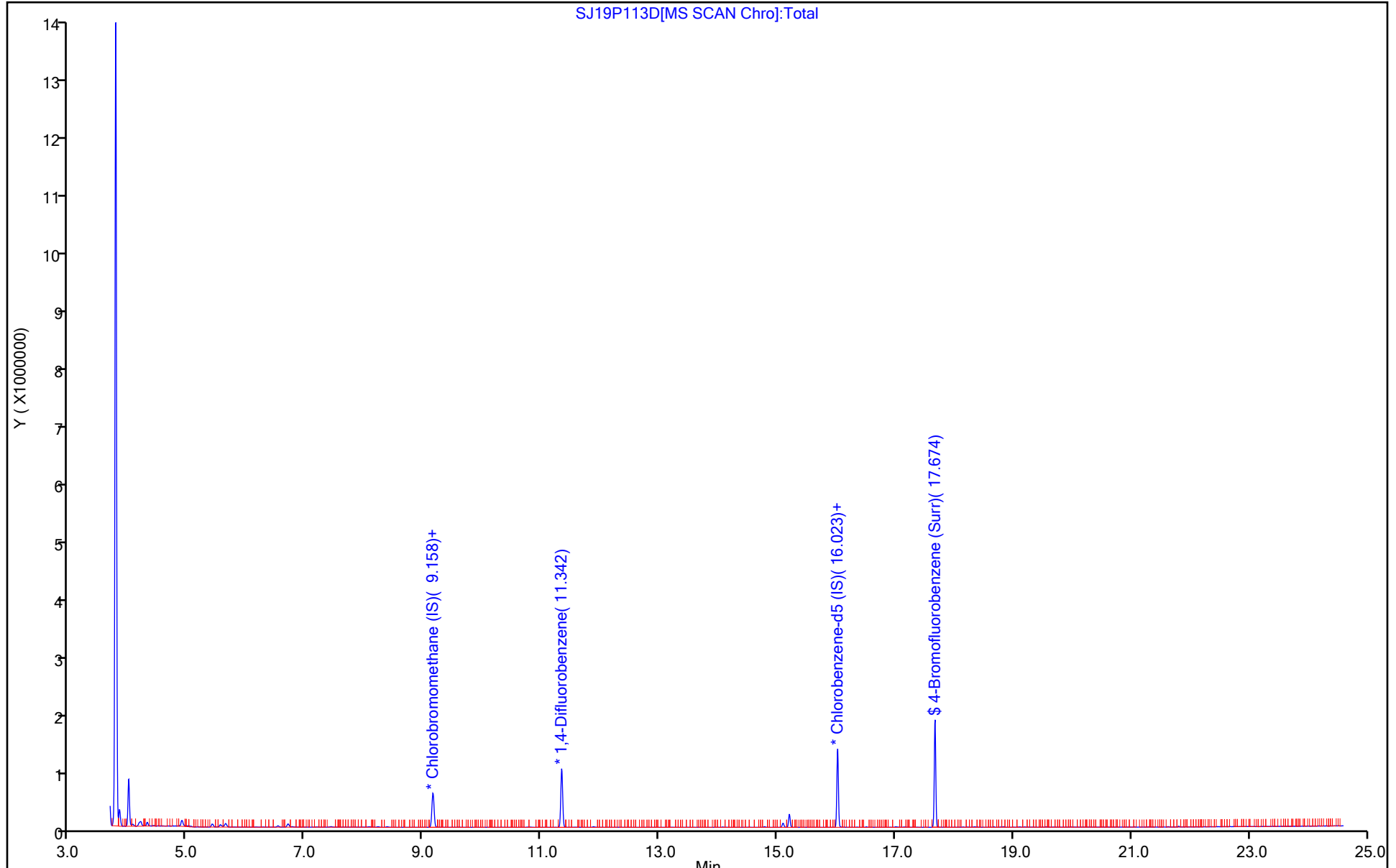
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P113D.D
 Lims ID: 140-25006-A-3
 Client ID: GAC EFFLUENT
 Sample Type: Client
 Inject. Date: 20-Oct-2021 00:23:30 ALS Bottle#: 13 Worklist Smp#: 18
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-018
 Misc. Info.: 140-25006-a-3
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 14:37:12 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1613

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 14:37:12

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.72	101.73

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P113D.D

Injection Date: 20-Oct-2021 00:23:30

Instrument ID: MS

Lims ID: 140-25006-A-3

Lab Sample ID: 140-25006-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

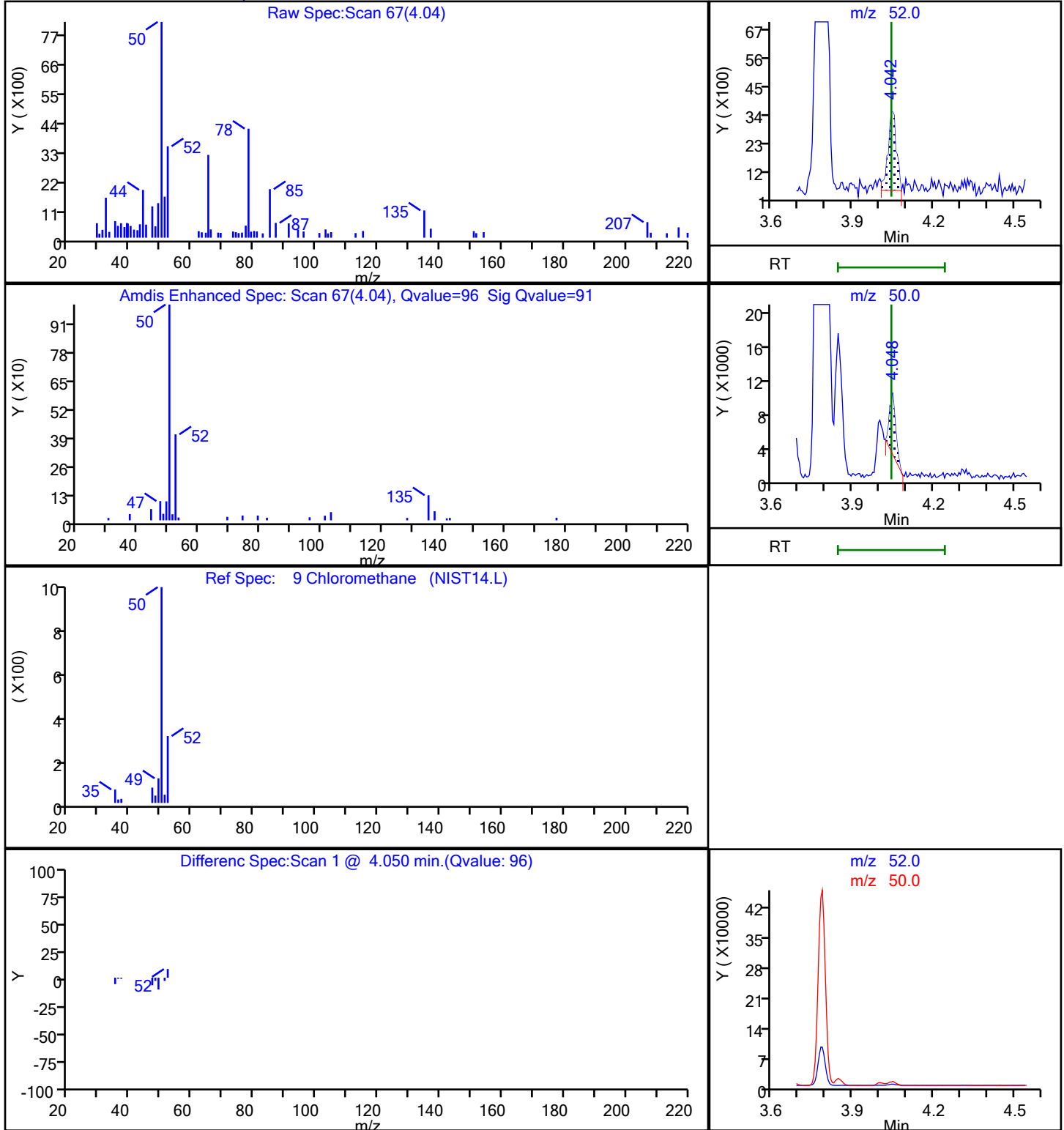
Method: MS_TO15A

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\20211014-21072.b\SJ19P113D.D

Injection Date: 20-Oct-2021 00:23:30

Instrument ID: MS

Lims ID: 140-25006-A-3

Lab Sample ID: 140-25006-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

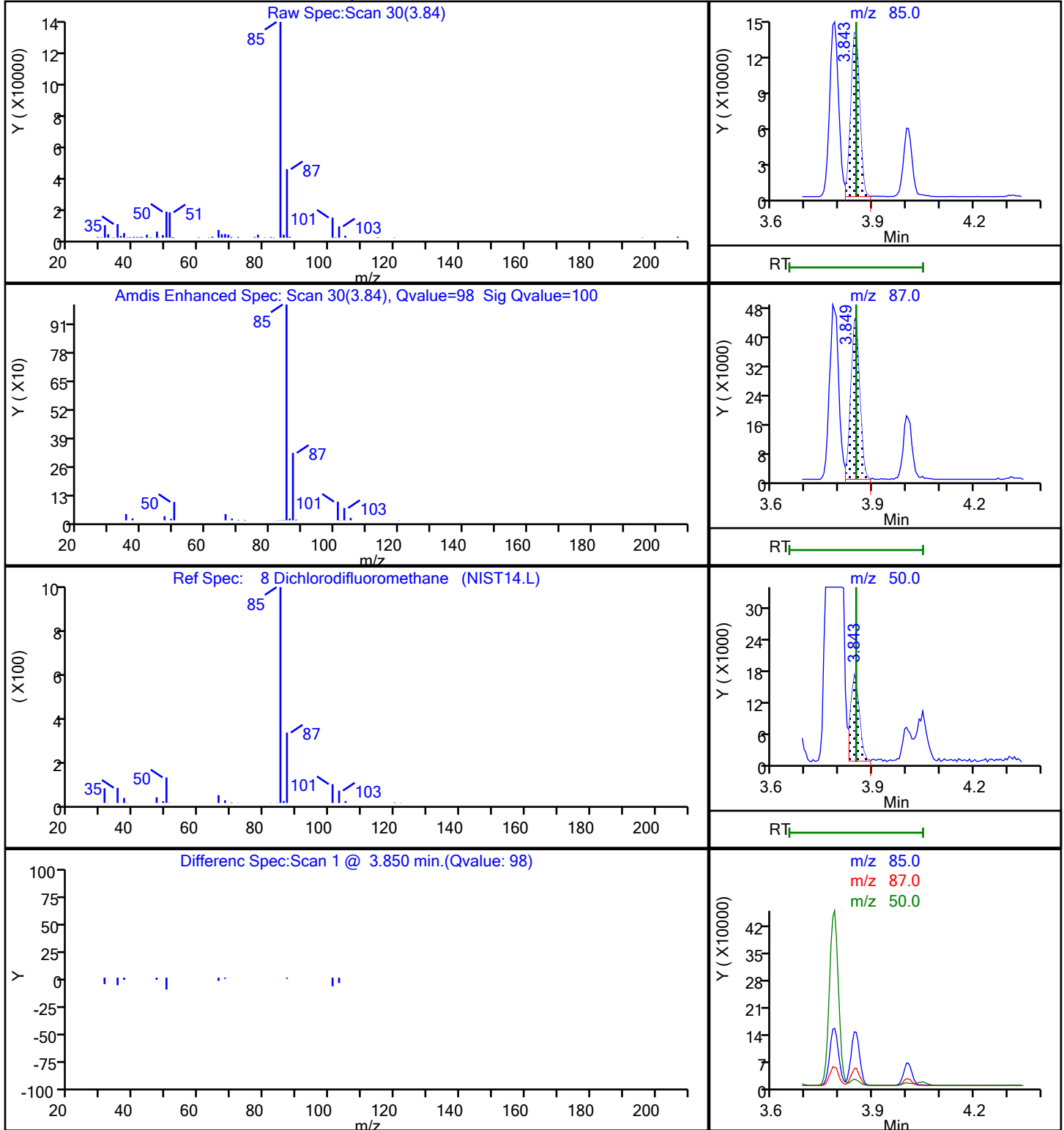
Method: MS_TO15A

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\20211014-21072.b\SJ19P113D.D

Injection Date: 20-Oct-2021 00:23:30

Instrument ID: MS

Lims ID: 140-25006-A-3

Lab Sample ID: 140-25006-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

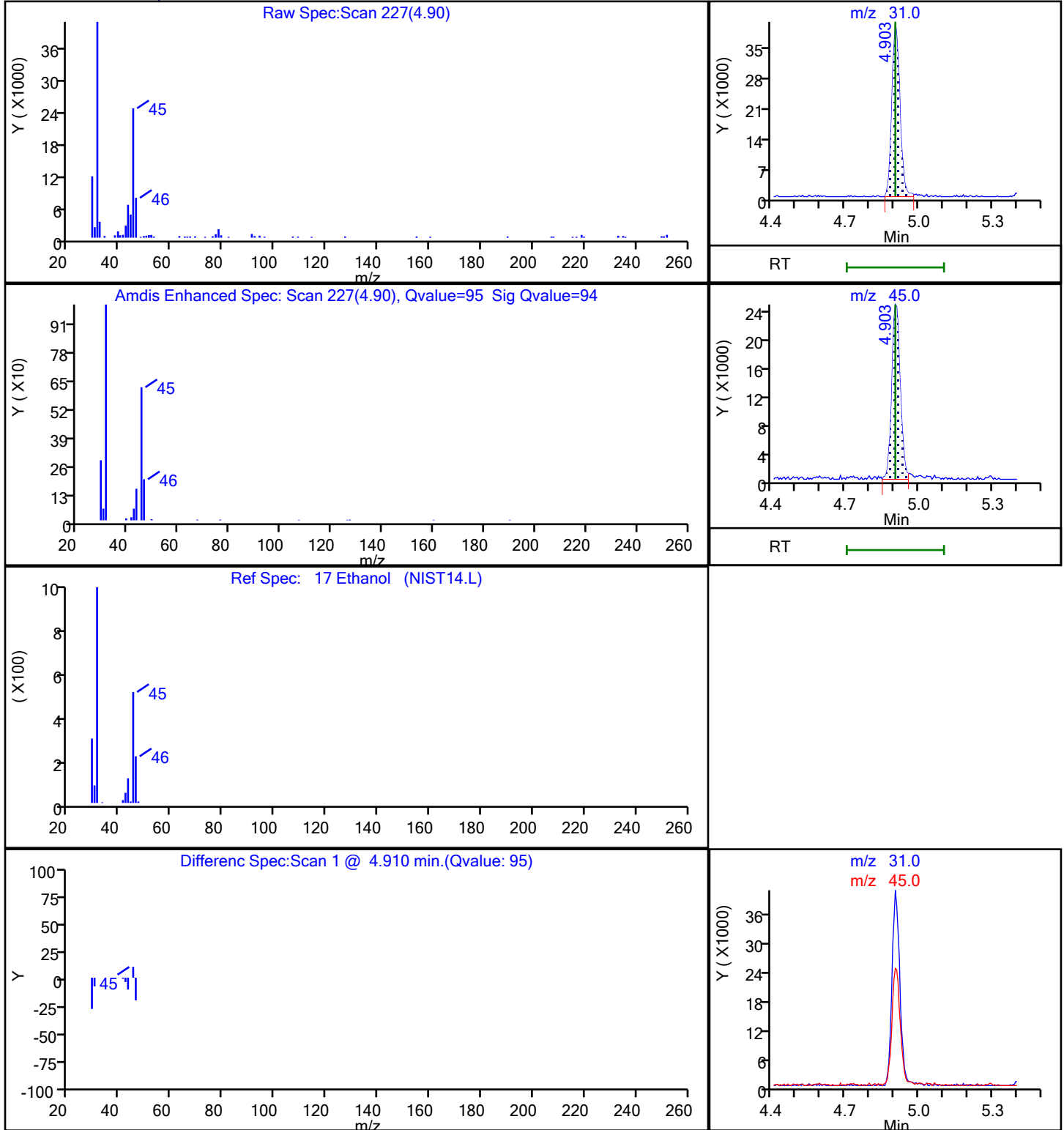
Method: MS_TO15A

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\20211014-21072.b\SJ19P113D.D

Injection Date: 20-Oct-2021 00:23:30

Instrument ID: MS

Lims ID: 140-25006-A-3

Lab Sample ID: 140-25006-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

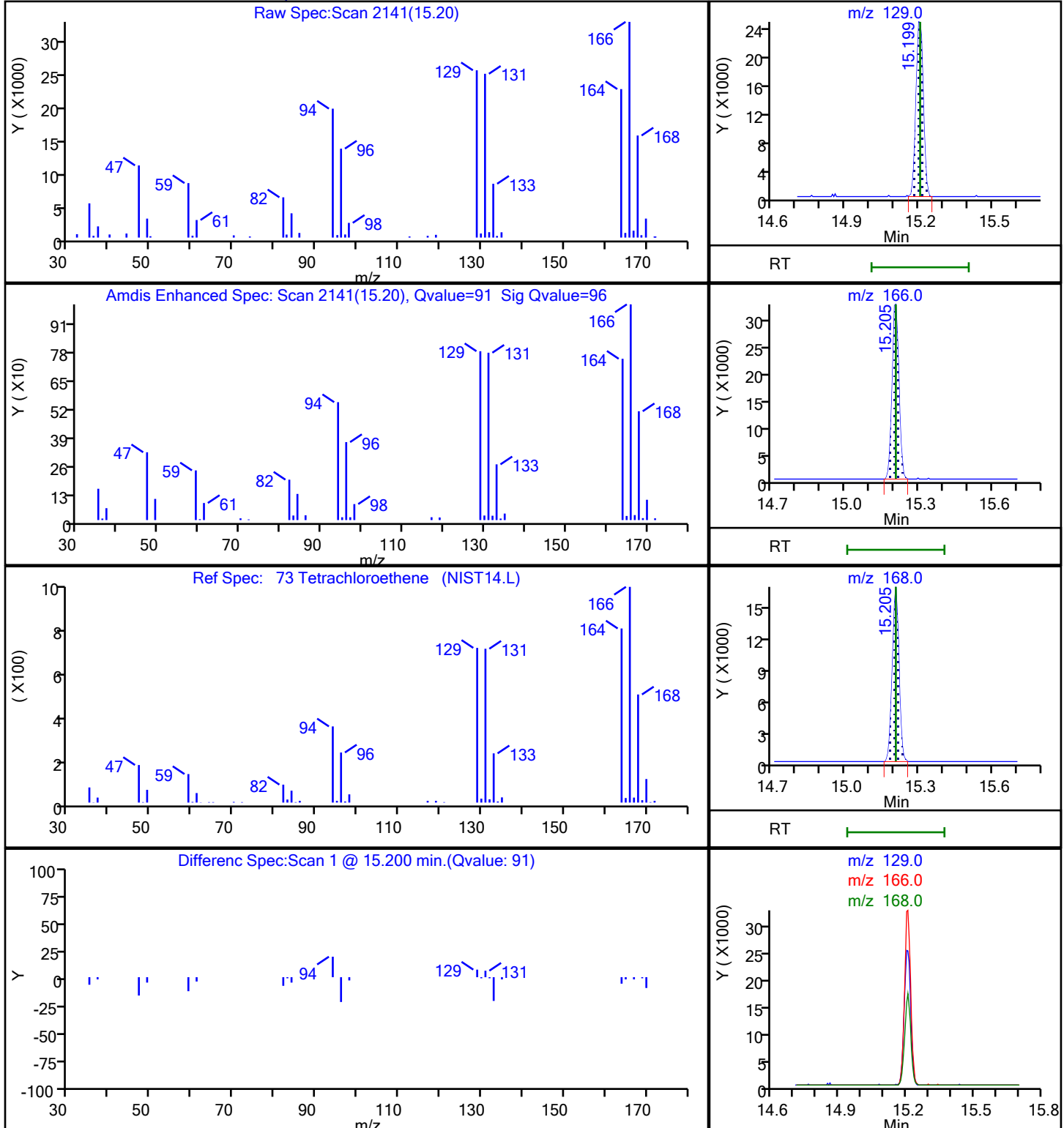
Method: MS_TO15A

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\20211014-21072.b\SJ19P113D.D

Injection Date: 20-Oct-2021 00:23:30

Instrument ID: MS

Lims ID: 140-25006-A-3

Lab Sample ID: 140-25006-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

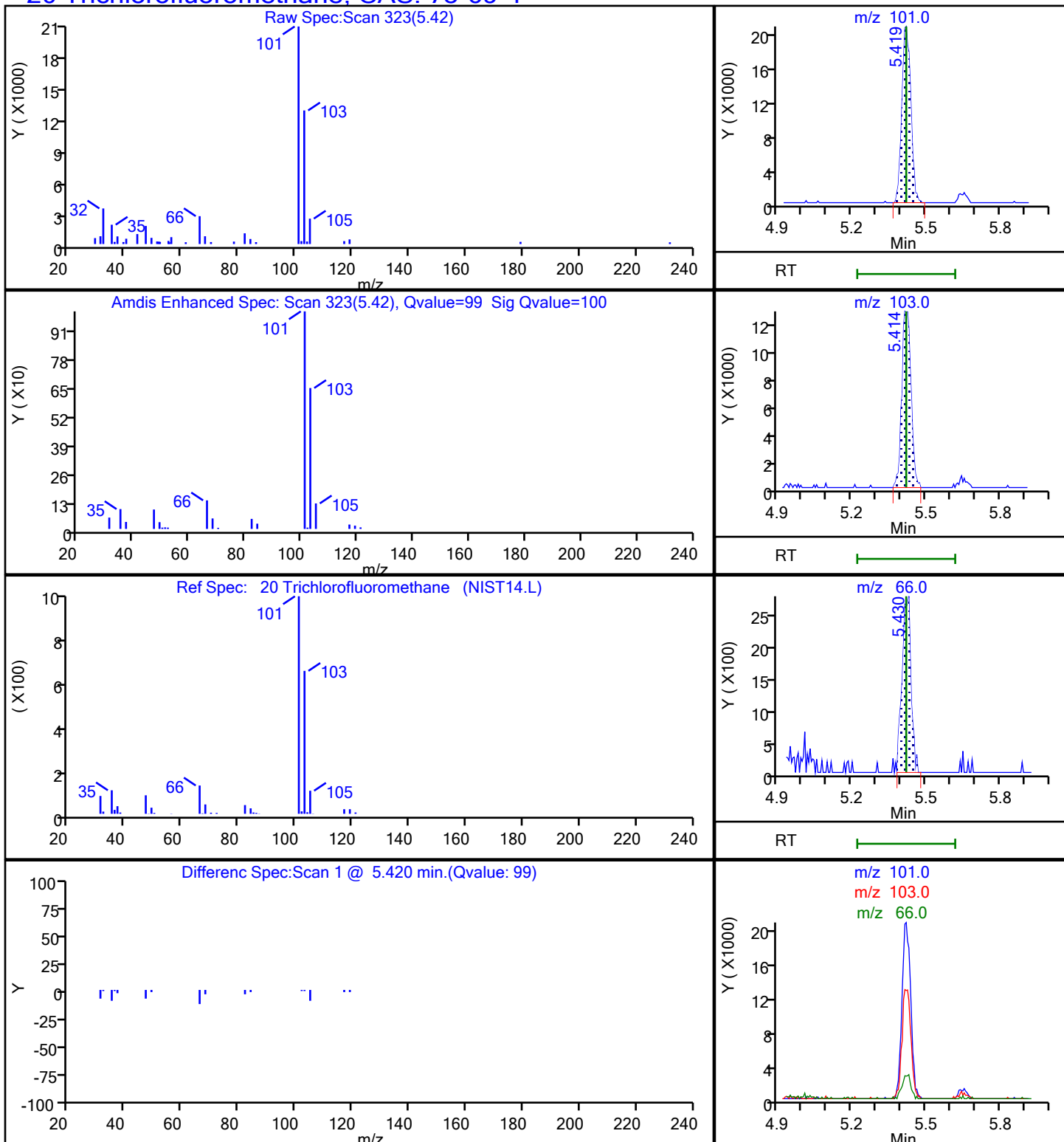
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

20 Trichlorofluoromethane, CAS: 75-69-4

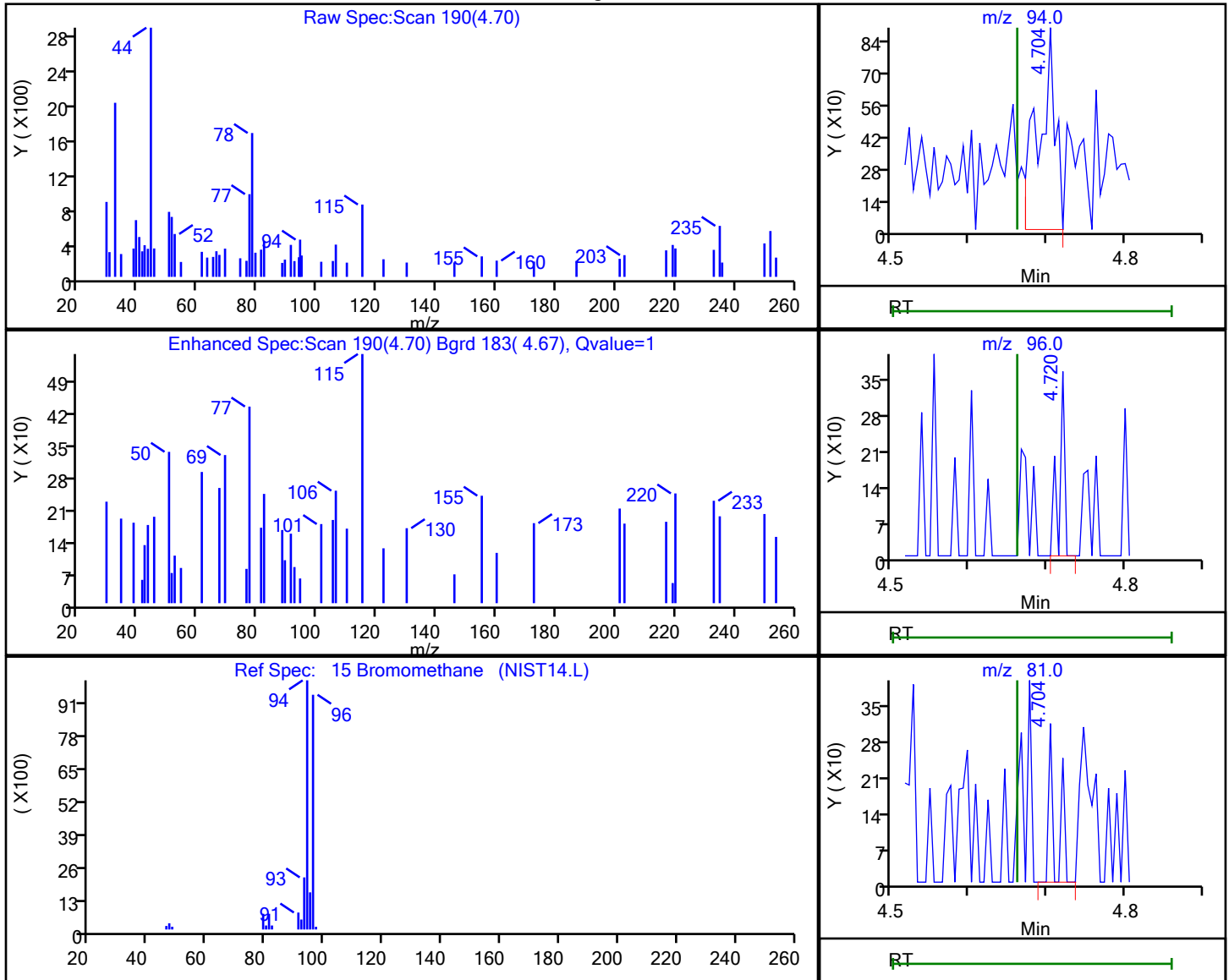


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P113D.D
 Injection Date: 20-Oct-2021 00:23:30 Instrument ID: MS
 Lims ID: 140-25006-A-3 Lab Sample ID: 140-25006-3
 Client ID: GAC EFFLUENT
 Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18
 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

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.70	94.00	1337	0.029313
4.72	96.00	179	
4.70	81.00	179	

Reviewer: khachitpongpanits, 20-Oct-2021 14:35:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJ19P113D.D

Injection Date: 20-Oct-2021 00:23:30

Instrument ID: MS

Lims ID: 140-25006-A-3

Lab Sample ID: 140-25006-3

Client ID: GAC EFFLUENT

Operator ID: HMT

ALS Bottle#: 13 Worklist Smp#: 18

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MS_TO15A

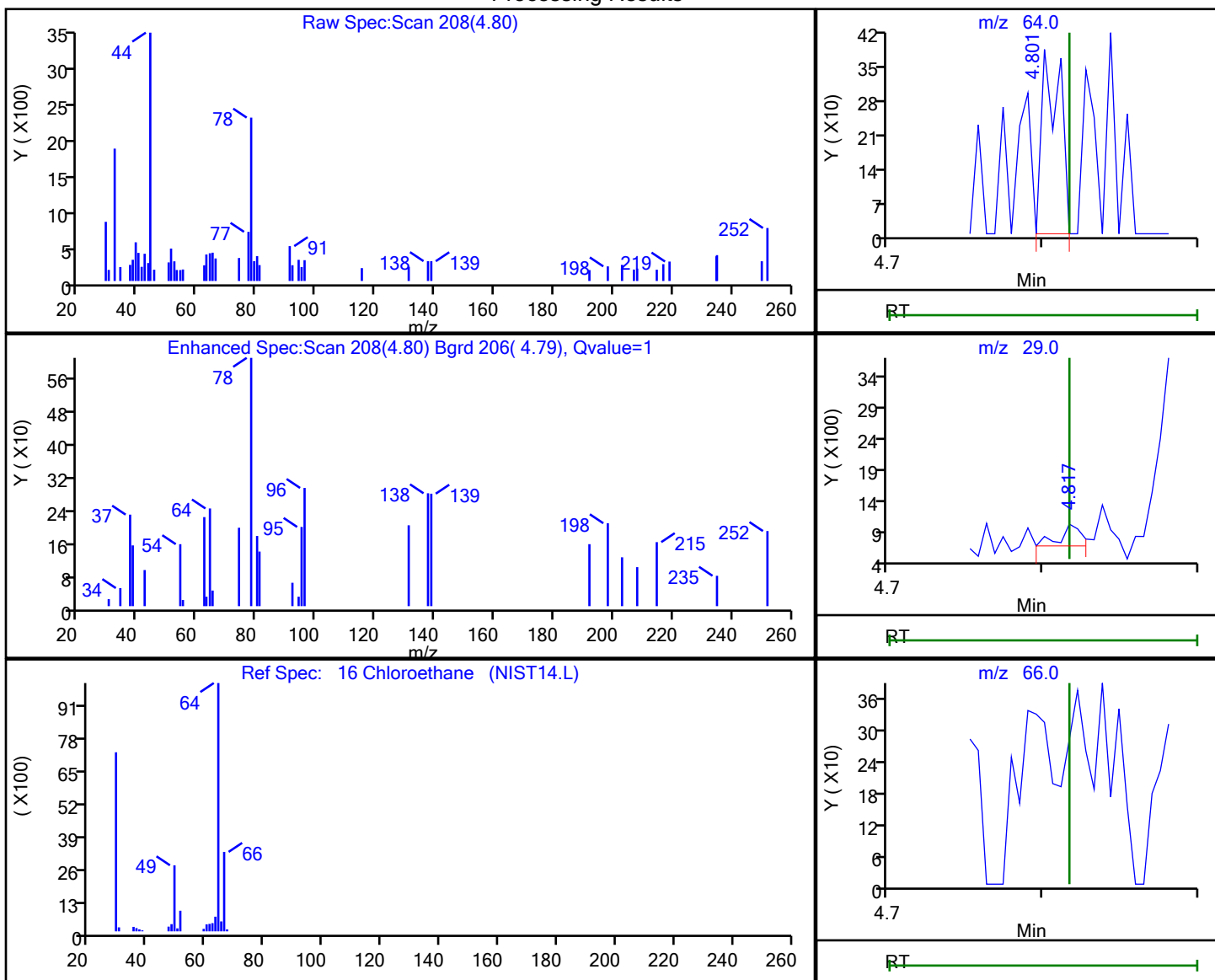
Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
4.80	64.00	312	0.016427
4.82	29.00	318	
4.82	66.00	0	

Reviewer: khachitpongpanits, 20-Oct-2021 14:35:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

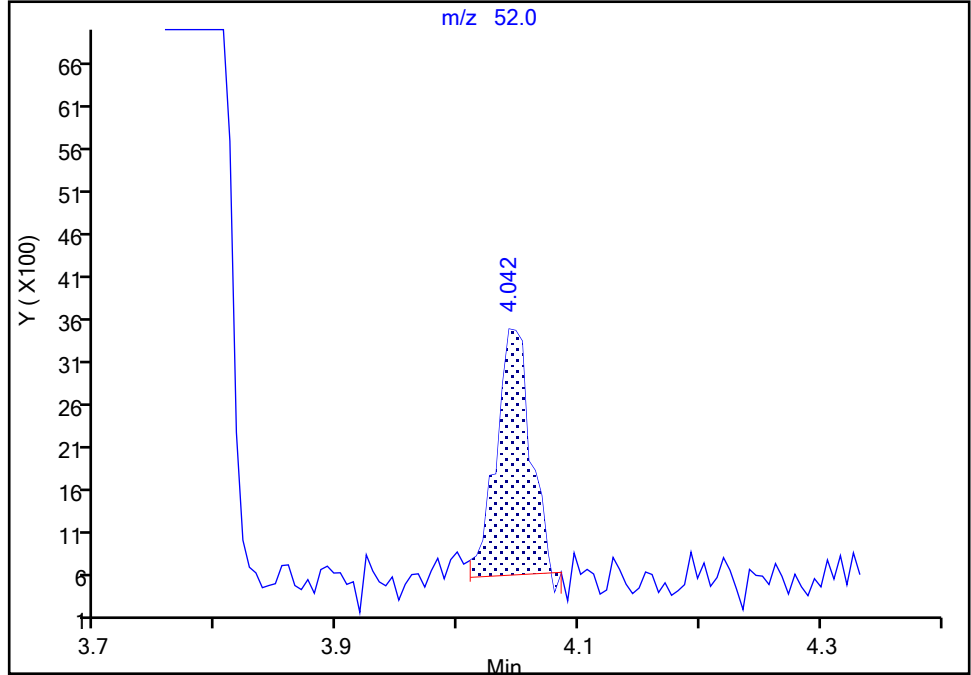
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Injection Date: 20-Oct-2021 00:23:30 Instrument ID: MS
Lims ID: 140-25006-A-3 Lab Sample ID: 140-25006-3
Client ID: GAC EFFLUENT
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector: MS SCAN

9 Chloromethane, CAS: 74-87-3

Signal: 1

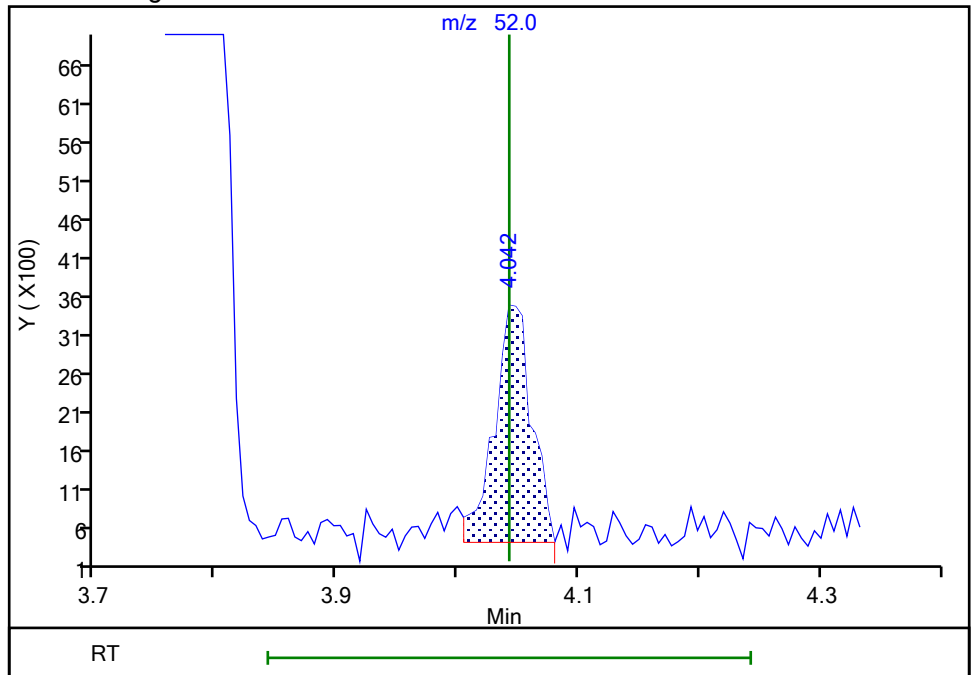
RT: 4.04
Area: 5537
Amount: 0.378834
Amount Units: ppb v/v

Processing Integration Results



RT: 4.04
Area: 6498
Amount: 0.444584
Amount Units: ppb v/v

Manual Integration Results



Reviewer: khachitpongpanits, 20-Oct-2021 14:36:09

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-54608/10	RJ07IC01.D
Level 2	IC 140-54608/11	RJ07IC02.D
Level 3	IC 140-54608/12	RJ07IC03.D
Level 4	IC 140-54608/13	RJ07IC04.D
Level 5	IC 140-54608/23	RJ07IC05R.D
Level 6	IC 140-54608/15	RJ07IC06.D
Level 7	ICIS 140-54608/22	RJ07IC07R.D
Level 8	IC 140-54608/8	RJ07IC08.D
Level 9	IC 140-54608/6	RJ07IC09.D
Level 10	IC 140-54608/4	RJ07IC10.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	+++++ 1.4132	+++++ 1.3309	1.4861 1.3087	1.5093 1.2796	1.5769 1.2423	Ave		1.393 4			8.7		30.0				
Propene	+++++ 0.8797	+++++ 0.8219	+++++ 0.7999	0.8516 0.7929	0.8677 +++++	Ave		0.835 6			4.3		30.0				
Dichlorodifluoromethane	+++++ 2.9277	3.0671 2.8275	3.2561 2.8593	2.8453 2.7289	3.2886 2.6775	Ave		2.942 0			7.4		30.0				
Chloromethane	+++++ 0.2799	+++++ 0.2855	+++++ 0.2588	0.3002 0.2502	0.2957 0.2332	Ave		0.271 9			9.2		30.0				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.0401 2.5906	2.9686 2.5360	2.2803 2.5143	2.7579 2.4525	2.6944 2.5083	Ave		2.634 3			8.9		30.0				
Vinyl chloride	1.2160 1.2600	1.5632 1.1858	1.2292 1.1195	1.2645 1.0871	1.1414 1.0187	Ave		1.208 5			12.2		30.0				
Butane	+++++ 1.7516	+++++ 1.7171	1.9656 1.6003	1.6996 1.5513	1.8135 1.5889	Ave		1.711 0			8.0		30.0				
1,3-Butadiene	+++++ 0.7595	+++++ 0.7357	0.7784 0.6726	0.8080 0.6853	0.6929 0.6569	Ave		0.723 7			7.6		30.0				
Bromomethane	+++++ 1.6427	+++++ 1.5169	1.8371 1.4531	1.7532 1.4293	1.5602 1.3634	Ave		1.569 5			10.5		30.0				
Chloroethane	+++++ 0.5535	0.6831 0.6077	0.8788 0.5411	0.5283 0.5523	0.6233 +++++	Ave		0.621 0			18.7		30.0				
Ethanol	+++++ 0.8240	+++++ 0.8088	+++++ 0.8225	0.8225 0.6941	0.7513 0.6969	Ave		0.754 8			8.4		30.0				
Vinyl bromide	+++++ 1.5749	+++++ 1.5592	1.6594 1.5453	1.6358 1.4691	1.5867 1.4595	Ave		1.561 3			4.5		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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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-Methylbutane	++++ 1.5861	++++ 1.5426	1.5451 1.3782	1.5922 1.4065	1.4096 1.3750	Ave		1.479 4			6.5		30.0				
Trichlorofluoromethane	++++ 3.0055	++++ 2.9772	3.4095 3.0971	3.3386 3.1441	3.2018 2.9354	Ave		3.138 7			5.4		30.0				
Acrolein	++++ 0.2784	++++ 0.2988	++++ 0.2631	0.4284 0.2923	0.3283 0.2812	Ave		0.310 1			18.1		30.0				
Acetonitrile	++++ 0.4301	++++ 0.4528	++++ 0.4430	++++ 0.4263	0.4167 0.4119	Ave		0.430 1			3.6		30.0				
Acetone	++++ 0.4584	++++ 0.4224	++++ 0.4310	++++ 0.4203	0.5329 0.3916	Ave		0.442 8			11.1		30.0				
Pentane	++++ 0.1428	++++ 0.1334	++++ 0.1410	++++ 0.1361	0.1715 0.1353	Ave		0.143 4			9.9		30.0				
Isopropyl alcohol	1.6597 1.1978	1.6189 1.2653	1.4575 1.2830	1.3480 1.2592	1.3457 1.1538	Ave		1.358 9			12.5		30.0				
Ethyl ether	++++ 1.4006	++++ 1.3811	++++ 1.3052	1.5100 1.3326	1.5450 1.3189	Ave		1.399 1			6.8		30.0				
1,1-Dichloroethene	1.4171 1.0824	1.5171 1.0892	1.3381 1.1065	1.1713 1.1011	1.1482 1.1089	Ave		1.208 0			13.0		30.0				
Acrylonitrile	++++ 0.5816	++++ 0.5806	++++ 0.5687	0.6834 0.6062	0.6323 0.5903	Ave		0.606 1			6.6		30.0				
tert-Butyl alcohol	++++ 1.4028	++++ 1.4574	1.6463 1.4691	1.6306 1.4641	1.4979 1.5058	Ave		1.509 2			5.7		30.0				
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 2.5692	++++ 2.4542	2.9189 2.5608	2.3852 2.6101	2.7822 2.6992	Ave		2.622 5			6.6		30.0				
Methylene Chloride	++++ 1.0486	1.4158 0.9883	1.3494 1.0255	1.1801 1.0139	1.2117 0.9999	Ave		1.137 0			14.1		30.0				
3-Chloropropene	++++ 0.9261	++++ 0.9793	1.8252 0.9719	1.1377 0.9312	1.0147 0.9919	Lin1	0.046 5	0.962 5						0.9990		0.9900	
Carbon disulfide	++++ 3.4296	++++ 3.3010	3.8765 3.4639	3.4119 3.3724	3.6748 3.3915	Ave		3.490 2			5.4		30.0				
trans-1,2-Dichloroethene	++++ 1.1191	1.2109 1.1611	1.1307 1.1448	1.1788 1.1528	1.1910 1.1750	Ave		1.162 7			2.5		30.0				
2-Methylpentane	++++ 2.4244	++++ 2.3331	2.5915 2.3077	2.3741 2.3101	2.5800 2.3172	Ave		2.404 8			4.9		30.0				
Methyl tert-butyl ether	++++ 2.6694	++++ 2.6142	2.8325 2.6464	2.7096 2.6358	2.8008 2.6752	Ave		2.698 0			2.9		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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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	++++ 1.7753	1.8722 1.7274	2.0918 1.7368	1.8112 1.7436	1.9556 1.7132	Ave		1.825 2			7.0		30.0				
Vinyl acetate	++++ 2.7605	++++ 2.5199	3.0052 2.4103	2.6724 2.5757	2.9714 2.7199	Ave		2.704 4			7.7		30.0				
2-Butanone (MEK)	++++ 0.5539	++++ 0.5361	++++ 0.5229	0.7844 0.5251	0.5732 0.5174	Ave		0.573 3			16.6		30.0				
Hexane	++++ 0.6571	++++ 0.6399	0.8029 0.6714	0.7334 0.6748	0.7559 0.6578	Ave		0.699 1			8.3		30.0				
cis-1,2-Dichloroethene	1.3896 1.2641	1.3447 1.2162	1.3725 1.2473	1.2119 1.2189	1.3526 1.2405	Ave		1.285 8			5.5		30.0				
Ethyl acetate	++++ 2.5296	++++ 2.4595	2.7409 2.4069	2.4399 2.4052	2.6687 2.4246	Ave		2.509 4			5.1		30.0				
Chloroform	++++ 2.5482	2.8019 2.5114	2.5729 2.5758	2.4007 2.5567	2.7511 2.6272	Ave		2.594 0			4.7		30.0				
Tetrahydrofuran	++++ 1.2964	++++ 1.2057	++++ 1.1960	1.3131 1.2222	1.3914 1.1870	Ave		1.258 8			6.1		30.0				
1,1,1-Trichloroethane	++++ 2.5716	++++ 2.5501	2.5535 2.5364	2.2990 2.5043	2.8037 2.5807	Ave		2.549 9			5.4		30.0				
1,2-Dichloroethane	++++ 0.2847	0.3454 0.2902	0.2984 0.2916	0.2882 0.2865	0.3113 0.2970	Ave		0.299 3			6.4		30.0				
1-Butanol	++++ 0.1386	++++ 0.1367	++++ 0.1283	0.1427 0.1333	0.1244 0.1441	Ave		0.135 4			5.4		30.0				
Cyclohexane	++++ 0.1102	++++ 0.1123	++++ 0.1121	0.1141 0.1156	0.1310 0.1231	Ave		0.116 9			6.4		30.0				
Benzene	++++ 0.7469	++++ 0.7487	++++ 0.7745	0.7978 0.7820	0.8080 0.8466	Ave		0.790 6			4.4		30.0				
Carbon tetrachloride	0.5647 0.3993	0.5086 0.6116	0.5418 0.5862	0.3405 0.6658	0.4310 0.7650	QuaF		0.549 3	0.0135308					1.0000		0.9900	
2,3-Dimethylpentane	++++ 0.1562	++++ 0.1591	0.1575 0.1682	0.1606 0.1623	0.1731 0.1744	Ave		0.163 9			4.3		30.0				
Thiophene	++++ 0.4446	0.4529 0.4418	0.4556 0.4528	0.4109 0.4449	0.5035 0.4912	Ave		0.455 3			6.0		30.0				
2,2,4-Trimethylpentane	++++ 0.9980	++++ 1.0002	0.9978 1.0342	1.0160 1.0350	1.0914 1.0921	Ave		1.033 1			3.8		30.0				
Heptane	++++ 0.2481	0.2729 0.2546	0.2386 0.2587	0.2687 0.2562	0.2766 0.2748	Ave		0.261 0			5.0		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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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												
1,2-Dichloropropane	++++ 0.2876	0.3426 0.2791	0.2923 0.2888	0.3132 0.2923	0.3061 0.3119	Ave	0.301 6				6.4		30.0				
Trichloroethene	0.3973 0.3862	0.5167 0.3885	0.4139 0.4012	0.3823 0.4028	0.3927 0.4409	Ave	0.412 3				9.8		30.0				
Dibromomethane	++++ 0.4044	++++ 0.4083	0.4472 0.4059	0.4311 0.4179	0.3771 0.4617	Ave	0.419 2				6.4		30.0				
Bromodichloromethane	++++ 0.5747	++++ 0.5916	0.5115 0.6128	0.5472 0.6185	0.5435 0.6797	Ave	0.584 9				9.0		30.0				
1,4-Dioxane	++++ 0.1288	++++ 0.1309	++++ 0.1307	0.1113 0.1258	0.1084 0.1327	Ave	0.124 1				8.0		30.0				
Methyl methacrylate	++++ 0.3294	++++ 0.3361	0.3771 0.3233	0.3615 0.3315	0.3083 0.3658	Ave	0.341 6				7.0		30.0				
Methylcyclohexane	0.4681 0.4390	0.4671 0.4727	0.4120 0.4839	0.4405 0.4653	0.4237 0.5187	Ave	0.459 1				6.8		30.0				
4-Methyl-2-pentanone (MIBK)	++++ 0.6166	0.6698 0.5980	0.6301 0.5679	0.5834 0.5809	0.5346 0.6552	Ave	0.604 0				7.1		30.0				
cis-1,3-Dichloropropene	++++ 0.4625	0.4421 0.4385	0.3948 0.4589	0.3756 0.4506	0.3975 0.5157	Ave	0.437 4				9.8		30.0				
trans-1,3-Dichloropropene	++++ 0.4345	0.4458 0.4584	0.5096 0.4752	0.4380 0.4894	0.4414 0.5268	Ave	0.468 8				7.2		30.0				
Toluene	++++ 1.0452	++++ 1.0231	1.1326 1.0590	1.0135 1.1096	1.0536 1.1561	Ave	1.074 1				4.9		30.0				
1,1,2-Trichloroethane	++++ 0.3545	++++ 0.3449	0.3619 0.3536	0.3131 0.3688	0.3514 0.3970	Ave	0.355 6				6.6		30.0				
2-Hexanone	++++ 0.2412	++++ 0.2406	0.2418 0.2596	0.2348 0.2793	0.2470 0.2978	Ave	0.255 3				8.7		30.0				
C8 Range	++++ 2.3289	++++ 2.3843	++++ 2.3445	2.2999 2.3834	2.2738 2.7915	Ave	2.400 9				7.4		30.0				
Octane	++++ 0.2694	0.3111 0.2841	0.2768 0.2971	0.2873 0.3008	0.2689 0.3176	Ave	0.290 4				6.0		30.0				
Dibromochloromethane	++++ 0.7149	++++ 0.7913	0.6665 0.8241	0.6385 0.9002	0.7210 0.9599	Ave	0.777 1				14.5		30.0				
1,2-Dibromoethane (EDB)	++++ 0.6322	0.7482 0.6484	0.6426 0.6505	0.6286 0.7024	0.6444 0.7305	Ave	0.669 8				6.7		30.0				
Tetrachloroethene	0.6724 0.4557	0.5929 0.4651	0.4703 0.4744	0.4431 0.4876	0.4721 0.5404	Ave	0.507 4				14.4		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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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												
Chlorobenzene	++++ 0.9047	++++ 0.9296	1.0074 0.9266	0.8979 0.9922	0.9831 1.0630	Ave		0.963 1			6.0		30.0				
Ethylbenzene	++++ 1.3466	1.7101 1.3616	1.4495 1.4089	1.3426 1.4514	1.4281 1.5787	Ave		1.453 1			8.3		30.0				
m-Xylene & p-Xylene	++++ 1.1021	1.2574 1.0573	1.0347 1.1116	1.0403 1.1874	1.0624 1.2951	Ave		1.127 6			8.6		30.0				
Nonane	++++ 0.5243	0.5819 0.5536	0.5321 0.5584	0.4843 0.5855	0.5595 0.6273	Ave		0.556 3			7.3		30.0				
Bromoform	++++ 0.7736	++++ 0.8828	0.4507 0.9474	0.6178 ++++	0.7779 ++++	Lin2	-0.03 6	0.881 0						0.9950		0.9900	
Styrene	1.0457 0.8624	0.8274 0.8827	0.8121 0.9058	0.7867 0.9977	0.8056 1.0958	Ave		0.902 2			12.0		30.0				
o-Xylene	++++ 1.0906	1.2689 1.0844	1.1880 1.1590	1.0182 1.1494	1.1256 1.2675	Ave		1.150 2			7.2		30.0				
1,1,2,2-Tetrachloroethane	++++ 0.9090	++++ 0.9064	0.8958 0.9404	0.8192 0.9982	0.9152 1.1024	Ave		0.935 8			8.9		30.0				
1,2,3-Trichloropropane	++++ 0.2188	0.2409 0.2214	0.2254 0.2315	0.2050 0.2418	0.2381 0.2609	Ave		0.231 5			7.0		30.0				
Isopropylbenzene	++++ 1.6782	2.0185 1.6982	1.7236 1.7141	1.6410 1.7883	1.7295 1.9697	Ave		1.773 5			7.4		30.0				
Propylbenzene	0.5439 0.4958	0.4928 0.5012	0.4728 0.5132	0.4700 0.5415	0.5051 0.5952	Ave		0.513 1			7.4		30.0				
2-Chlorotoluene	++++ 0.4978	++++ 0.4620	0.5481 0.4829	0.4854 0.5014	0.4975 0.5673	Ave		0.505 3			6.9		30.0				
4-Ethyltoluene	++++ 1.6092	1.9113 1.6454	1.5596 1.7398	1.5733 1.8572	1.6898 2.0801	Ave		1.740 6			10.1		30.0				
1,3,5-Trimethylbenzene	++++ 0.7032	0.8301 0.7185	0.7785 0.7221	0.6371 0.7797	0.7103 0.8769	Ave		0.750 7			9.7		30.0				
Alpha Methyl Styrene	++++ 0.6336	++++ 0.6852	0.5654 0.6848	0.5196 0.7785	0.6035 0.8654	Ave		0.667 0			17.0		30.0				
Decane	0.6611 0.6964	0.6769 0.7188	0.6282 0.7179	0.5779 0.7801	0.6549 0.8845	Ave		0.699 7			12.2		30.0				
tert-Butylbenzene	++++ 1.4914	++++ 1.4796	1.5409 1.5789	1.4682 1.7136	1.5771 2.0260	Ave		1.609 5			11.5		30.0				
1,2,4-Trimethylbenzene	++++ 1.4146	++++ 1.4530	1.4588 1.5394	1.3292 1.6667	1.4973 1.9822	Ave		1.542 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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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	++++ 2.1467	2.4763 2.1590	2.2265 2.2661	1.9744 2.4682	2.2731 2.8822	Ave		2.319 2			11.3		30.0				
1,3-Dichlorobenzene	++++ 0.9730	1.2830 0.9950	1.0797 1.0388	0.7959 1.1747	0.9571 1.4594	Ave		1.084 1			18.2		30.0				
Benzyl chloride	++++ 0.7920	++++ 0.9129	0.8725 0.8965	0.5048 ++++	0.7918 ++++	Lin1	-0.02 6	0.893 3						0.9950		0.9900	
1,4-Dichlorobenzene	++++ 0.9027	1.1549 0.9485	0.9483 0.9915	0.8078 1.1388	0.8694 1.4259	Ave		1.020 9			18.6		30.0				
4-Isopropyltoluene	1.9213 1.7074	2.0652 1.7034	1.8184 1.7939	1.5809 1.9325	1.7956 2.2762	Ave		1.859 5			10.8		30.0				
1,2,3-Trimethylbenzene	++++ 1.4177	++++ 1.4717	1.4524 1.5114	1.3552 1.6143	1.5152 ++++	Ave		1.476 8			5.6		30.0				
Indane	1.7835 1.4040	1.5947 1.4337	1.3069 1.5228	1.1771 1.6996	1.3865 2.0990	Ave		1.540 8			17.3		30.0				
1,2-Dichlorobenzene	++++ 0.9605	1.2339 0.9938	1.0689 1.0648	0.8736 1.2260	0.9536 ++++	Ave		1.046 9			12.3		30.0				
Indene	++++ 1.0946	1.1384 1.1770	0.9911 1.1671	0.8351 1.4420	1.0534 ++++	Ave		1.112 3			15.6		30.0				
Butylbenzene	++++ 1.5484	++++ 1.6417	++++ 1.7194	1.4066 1.20147	1.6182 2.3990	Ave		1.764 0			19.1		30.0				
Undecane	0.7944 0.7783	0.8276 0.8103	0.8092 0.8117	0.6771 0.9348	0.8477 1.0857	Ave		0.837 7			12.9		30.0				
1,2-Dibromo-3-Chloropropane	++++ 0.4393	++++ 0.4577	0.3780 0.5143	0.3199 ++++	0.4404 ++++	Ave		0.425 0			15.9		30.0				
1,2,4,5-Tetramethylbenzene	1.8402 1.5252	1.7993 1.6344	1.7901 1.6212	1.7052 1.9242	1.6660 ++++	Ave		1.722 9			7.3		30.0				
Dodecane	0.8405 0.8220	0.9466 0.8600	1.0421 0.6264	0.8323 0.9073	0.8426 1.0562	Ave		0.877 6			14.0		30.0				
1,2,4-Trichlorobenzene	++++ 0.5244	0.7535 0.5860	0.6044 0.5807	0.4465 ++++	0.5207 ++++	Ave		0.573 8			16.7		30.0				
Naphthalene	++++ 1.4384	1.6422 1.5531	1.6967 1.3434	1.1812 2.0545	1.2691 ++++	Ave		1.522 3			18.4		30.0				
Hexachlorobutadiene	++++ 1.1521	1.4700 1.1704	1.3641 1.1785	1.2187 1.5478	1.0884 ++++	Ave		1.273 7			13.1		30.0				
1,2,3-Trichlorobenzene	++++ 0.7711	1.2129 0.7953	0.9383 0.7385	0.7231 1.0710	0.7543 ++++	Ave		0.875 6			20.7		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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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	1.2145 0.7850	0.9099 0.8412	0.7601 +++++	0.3820 +++++	0.6309 +++++	Ave		0.789 1			32.3		50.0				
1-Methylnaphthalene	+++++ 1.2751	+++++ 1.1906	1.5226 +++++	0.9108 +++++	1.0672 +++++	Ave		1.193 3			19.2		50.0				
4-Bromofluorobenzene (Surr)	0.6404 0.6775	0.6416 0.6771	0.6379 0.6962	0.6544 0.7244	0.6657 0.6933	Ave		0.670 8			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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-54608/10	RJ07IC01.D
Level 2	IC 140-54608/11	RJ07IC02.D
Level 3	IC 140-54608/12	RJ07IC03.D
Level 4	IC 140-54608/13	RJ07IC04.D
Level 5	IC 140-54608/23	RJ07IC05R.D
Level 6	IC 140-54608/15	RJ07IC06.D
Level 7	ICIS 140-54608/22	RJ07IC07R.D
Level 8	IC 140-54608/8	RJ07IC08.D
Level 9	IC 140-54608/6	RJ07IC09.D
Level 10	IC 140-54608/4	RJ07IC10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9	LVL 10	LVL 6	LVL 7	LVL 8	LVL 9	LVL 10
Chlorodifluoromethane	CBM	Ave	+++++	+++++	7889	15702	45043	+++++	+++++	0.0800	0.160	0.400
			92255	184541	416641	809856	1209392	1.00	2.00	4.00	8.00	16.0
Propene	CBM	Ave	+++++	+++++	+++++	8859	24784	+++++	+++++	+++++	0.160	0.400
			57429	113969	254674	501828	+++++	1.00	2.00	4.00	8.00	+++++
Dichlorodifluoromethane	CBM	Ave	+++++	8594	17285	29600	93936	+++++	0.0400	0.0800	0.160	0.400
			191132	392061	910300	1727172	2606586	1.00	2.00	4.00	8.00	16.0
Chloromethane	CBM	Ave	+++++	+++++	+++++	3123	8446	+++++	+++++	+++++	0.160	0.400
			18271	39584	82399	158346	227013	1.00	2.00	4.00	8.00	16.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	CBM	Ave	4975	8318	12105	28691	76964	0.0200	0.0400	0.0800	0.160	0.400
			169120	351649	800480	1552226	2441831	1.00	2.00	4.00	8.00	16.0
Vinyl chloride	CBM	Ave	1990	4380	6525	13155	32603	0.0200	0.0400	0.0800	0.160	0.400
			82255	164430	356402	688011	991743	1.00	2.00	4.00	8.00	16.0
Butane	CBM	Ave	+++++	+++++	10434	17681	51800	+++++	+++++	0.0800	0.160	0.400
			114349	238097	509477	981861	1546790	1.00	2.00	4.00	8.00	16.0
1,3-Butadiene	CBM	Ave	+++++	+++++	4132	8406	19793	+++++	+++++	0.0800	0.160	0.400
			49580	102009	214132	433729	639509	1.00	2.00	4.00	8.00	16.0
Bromomethane	CBM	Ave	+++++	+++++	9752	18239	44567	+++++	+++++	0.0800	0.160	0.400
			107241	210331	462623	904625	1327243	1.00	2.00	4.00	8.00	16.0
Chloroethane	CBM	Ave	+++++	1914	4665	5496	17803	+++++	0.0400	0.0800	0.160	0.400
			36133	84262	172269	349579	+++++	1.00	2.00	4.00	8.00	+++++
Ethanol	CBM	Ave	+++++	+++++	+++++	42785	107300	+++++	+++++	+++++	0.800	2.00
			268970	560768	1091299	2196588	3392288	5.00	10.0	20.0	40.0	80.0
Vinyl bromide	CBM	Ave	+++++	+++++	8809	17018	45323	+++++	+++++	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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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
			102812	216203	491988	929828	1420848	1.00	2.00	4.00	8.00	16.0
2-Methylbutane	CBM	Ave	++++ 103545	++++ 213907	8202 438778	16564 890207	40263 1338597	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichlorofluoromethane	CBM	Ave	++++ 196207	++++ 412829	18099 986028	34732 1989937	91458 2857609	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrolein	CBM	Ave	++++ 18173	++++ 41434	++++ 83752	4457 185018	9379 273719	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Acetonitrile	CBM	Ave	++++ 28078	++++ 62782	++++ 141045	++++ 269834	11903 400939	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Acetone	CBM	Ave	++++ 89783	++++ 175708	++++ 411662	++++ 797953	45666 1143628	++++ 3.00	++++ 6.00	++++ 12.0	++++ 24.0	1.20 48.0
Pentane	CBM	Ave	++++ 9323	++++ 18495	++++ 44885	++++ 86171	4899 131759	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Isopropyl alcohol	CBM	Ave	8148 234582	13609 526331	23211 1225445	42069 2390806	115316 3369683	0.0600 3.00	0.120 6.00	0.240 12.0	0.480 24.0	1.20 48.0
Ethyl ether	CBM	Ave	++++ 91436	++++ 191511	++++ 415537	15709 843424	44131 1283964	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	2319 70659	4251 151026	7103 352282	12185 696926	32796 1079467	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	++++ 37967	++++ 80503	++++ 181061	7110 383647	18061 574633	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
tert-Butyl alcohol	CBM	Ave	++++ 91582	++++ 202092	8739 467703	16963 926681	42785 1465927	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloro-1,2,2-trifluoroethane	CBM	Ave	++++ 167722	++++ 340300	15495 815274	24814 1651982	79472 2627716	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Ave	++++ 68455	3967 137045	7163 326481	12277 641736	34611 973448	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
3-Chloropropene	CBM	Lin1	++++ 60461	++++ 135786	9689 309411	11836 589349	28984 965576	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	++++ 223897	++++ 457717	20578 1102814	35495 2134472	104969 3301595	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	++++ 73055	3393 160999	6002 364473	12263 729642	34019 1143819	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	++++ 158273	++++ 323510	13757 734709	24698 1462071	73695 2255787	++++ 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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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	++++ 174265	++++ 362493	15036 842531	28188 1668258	80002 2604325	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethane	CBM	Ave	++++ 115898	5246 239520	11104 552943	18842 1103556	55859 1667814	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	++++ 180216	++++ 349414	15953 767354	27801 1630181	84875 2647868	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Butanone (MEK)	CBM	Ave	++++ 36162	++++ 74331	++++ 166469	8160 332338	16372 503649	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	++++ 42895	++++ 88724	4262 213742	7630 427086	21593 640389	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	2274 82521	3768 168642	7286 397109	12608 771482	38636 1207614	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl acetate	CBM	Ave	++++ 165140	++++ 341041	14550 766293	25383 1522300	76229 2360392	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	++++ 166351	7851 348231	13658 820059	24975 1618205	78584 2557578	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	++++ 84636	++++ 167179	++++ 380757	13660 773530	39743 1155516	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	++++ 167881	++++ 353600	13555 807502	23917 1584982	80086 2512279	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloroethane	DFBZ	Ave	++++ 85271	4463 186174	7553 423385	13897 837613	42871 1252224	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	++++ 41504	++++ 87701	++++ 186242	6882 389522	17134 607678	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	++++ 33017	++++ 72036	++++ 162816	5503 337888	18038 518955	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	++++ 223741	++++ 480321	20193 1124451	38956 2286000	113002 3569218	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	QuaF	4373 119617	6571 392407	13713 851101	16415 1946073	59354 3225493	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	++++ 46786	++++ 102102	3986 244202	7745 474471	23842 735450	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	++++ 133181	5851 283467	11532 657325	19812 1300505	69329 2070782	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 298943	++++ 641708	25255 1501511	48987 3025529	150292 4604307	++++ 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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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	++++ 74313	3526 163356	6038 375543	12955 748767	38087 1158572	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloropropane	DFBZ	Ave	++++ 86154	4426 179045	7398 419344	15102 854548	42150 1315198	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	3077 115692	6675 249255	10477 582445	18433 1177549	54076 1858986	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	++++ 121120	++++ 261972	11319 589315	20785 1221495	51930 1946377	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	++++ 172132	++++ 379548	12945 889757	26385 1808010	74846 2865490	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	++++ 38578	++++ 83978	++++ 189826	5368 367823	14932 559493	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	++++ 98662	++++ 215629	9545 469435	17428 969089	42454 1542393	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Ave	3625 131512	6035 303259	10428 702499	21239 1360096	58346 2186864	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	++++ 184684	8653 383654	15947 824531	28128 1697891	73618 2762305	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 138549	5712 281311	9992 666321	18110 1317051	54744 2174252	++++ 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	++++ 108671	4725 249317	10042 577242	16733 1175427	48083 1974796	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	Ave	++++ 261397	++++ 556497	22316 1286353	38724 2665210	114776 4333511	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd 5	Ave	++++ 88650	++++ 187625	7130 429469	11961 885855	38285 1488135	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	++++ 60311	++++ 130894	4765 315372	8971 670835	26907 1116239	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	++++ 697608	++++ 1529690	++++ 3403798	110887 6966893	313114 11769341	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Octane	CBZd 5	Ave	++++ 3298	3298	5455	10975	29297	++++ 0.0400	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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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
			67383	154526	360869	722486	1190633	1.00	2.00	4.00	8.00	16.0
Dibromochloromethane	CBZd 5	Ave	+++++	+++++	13133	24396	78543	+++++	+++++	0.0800	0.160	0.400
			178802	430394	1001076	2162112	3598236	1.00	2.00	4.00	8.00	16.0
1,2-Dibromoethane (EDB)	CBZd 5	Ave	+++++	7931	12661	24018	70202	+++++	0.0400	0.0800	0.160	0.400
			158109	352665	790195	1687137	2738116	1.00	2.00	4.00	8.00	16.0
Tetrachloroethene	CBZd 5	Ave	3925	6285	9267	16928	51434	0.0200	0.0400	0.0800	0.160	0.400
			113959	252957	576265	1171246	2025619	1.00	2.00	4.00	8.00	16.0
Chlorobenzene	CBZd 5	Ave	+++++	+++++	19850	34305	107105	+++++	+++++	0.0800	0.160	0.400
			226258	505638	1125545	2383059	3984681	1.00	2.00	4.00	8.00	16.0
Ethylbenzene	CBZd 5	Ave	+++++	18126	28562	51296	155579	+++++	0.0400	0.0800	0.160	0.400
			336770	740576	1711407	3486142	5917779	1.00	2.00	4.00	8.00	16.0
m-Xylene & p-Xylene	CBZd 5	Ave	+++++	26655	40777	79495	231481	+++++	0.0800	0.160	0.320	0.800
			551246	1150144	2700465	5704147	9709195	2.00	4.00	8.00	16.0	32.0
Nonane	CBZd 5	Ave	+++++	6168	10485	18503	60954	+++++	0.0400	0.0800	0.160	0.400
			131137	301112	678302	1406391	2351329	1.00	2.00	4.00	8.00	16.0
Bromoform	CBZd 5	Lin2	+++++	+++++	8880	23605	84742	+++++	+++++	0.0800	0.160	0.400
			193466	480170	1150829	+++++	+++++	1.00	2.00	4.00	+++++	+++++
Styrene	CBZd 5	Ave	6104	8770	16001	30057	87768	0.0200	0.0400	0.0800	0.160	0.400
			215689	480144	1100325	2396303	4107579	1.00	2.00	4.00	8.00	16.0
o-Xylene	CBZd 5	Ave	+++++	13450	23409	38900	122621	+++++	0.0400	0.0800	0.160	0.400
			272751	589821	1407865	2760623	4751029	1.00	2.00	4.00	8.00	16.0
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	+++++	+++++	17651	31300	99707	+++++	+++++	0.0800	0.160	0.400
			227329	493006	1142273	2397554	4132141	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichloropropane	CBZd 5	Ave	+++++	2553	4441	7831	25936	+++++	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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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
			54729	120424	281236	580832	978042	1.00	2.00	4.00	8.00	16.0
Isopropylbenzene	CBZd 5	Ave	++++	21395	33962	62697	188411	++++	0.0400	0.0800	0.160	0.400
			419719	923661	2082086	4295369	7383343	1.00	2.00	4.00	8.00	16.0
Propylbenzene	CBZd 5	Ave	3175	5223	9316	17958	55022	0.0200	0.0400	0.0800	0.160	0.400
			123999	272614	623366	1300522	2230933	1.00	2.00	4.00	8.00	16.0
2-Chlorotoluene	CBZd 5	Ave	++++	++++	10799	18544	54200	++++	++++	0.0800	0.160	0.400
			124502	251271	586543	1204386	2126487	1.00	2.00	4.00	8.00	16.0
4-Ethyltoluene	CBZd 5	Ave	++++	20259	30730	60109	184087	++++	0.0400	0.0800	0.160	0.400
			402462	894945	2113342	4460719	7797215	1.00	2.00	4.00	8.00	16.0
1,3,5-Trimethylbenzene	CBZd 5	Ave	++++	8799	15340	24341	77379	++++	0.0400	0.0800	0.160	0.400
			175876	390805	877173	1872651	3287062	1.00	2.00	4.00	8.00	16.0
Alpha Methyl Styrene	CBZd 5	Ave	++++	++++	11141	19852	65747	++++	++++	0.0800	0.160	0.400
			158464	372676	831794	1869897	3243980	1.00	2.00	4.00	8.00	16.0
Decane	CBZd 5	Ave	3859	7175	12379	22078	71349	0.0200	0.0400	0.0800	0.160	0.400
			174168	390944	872025	1873726	3315284	1.00	2.00	4.00	8.00	16.0
tert-Butylbenzene	CBZd 5	Ave	++++	++++	30362	56093	171810	++++	++++	0.0800	0.160	0.400
			372990	804760	1917895	4115868	7594293	1.00	2.00	4.00	8.00	16.0
1,2,4-Trimethylbenzene	CBZd 5	Ave	++++	++++	28744	50784	163123	++++	++++	0.0800	0.160	0.400
			353790	790306	1869919	4003096	7430209	1.00	2.00	4.00	8.00	16.0
sec-Butylbenzene	CBZd 5	Ave	++++	26248	43871	75433	247636	++++	0.0400	0.0800	0.160	0.400
			536880	1174319	2752607	5928302	10803699	1.00	2.00	4.00	8.00	16.0
1,3-Dichlorobenzene	CBZd 5	Ave	++++	13599	21275	30409	104268	++++	0.0400	0.0800	0.160	0.400
			243347	541224	1261832	2821574	5470541	1.00	2.00	4.00	8.00	16.0
Benzyl chloride	CBZd 5	Lin1	++++	++++	17191	19285	86255	++++	++++	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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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
			198064	496519	1089016	++++	++++	1.00	2.00	4.00	++++	++++
1,4-Dichlorobenzene	CBZd 5	Ave	++++	12241	18686	30863	94709	++++	0.0400	0.0800	0.160	0.400
			225764	515884	1204339	2735290	5344696	1.00	2.00	4.00	8.00	16.0
4-Isopropyltoluene	CBZd 5	Ave	11215	21890	35830	60402	195620	0.0200	0.0400	0.0800	0.160	0.400
			427024	926488	2179023	4641492	8532293	1.00	2.00	4.00	8.00	16.0
1,2,3-Trimethylbenzene	CBZd 5	Ave	++++	++++	28619	51779	165064	++++	++++	0.0800	0.160	0.400
			354562	800462	1835877	3877305	++++	1.00	2.00	4.00	8.00	++++
Indane	CBZd 5	Ave	10411	16903	25752	44974	151052	0.0200	0.0400	0.0800	0.160	0.400
			351147	779838	1849783	4082130	7867924	1.00	2.00	4.00	8.00	16.0
1,2-Dichlorobenzene	CBZd 5	Ave	++++	13079	21062	33377	103887	++++	0.0400	0.0800	0.160	0.400
			240216	540531	1293411	2944668	++++	1.00	2.00	4.00	8.00	++++
Indene	CBZd 5	Ave	++++	12067	19528	31905	114754	++++	0.0400	0.0800	0.160	0.400
			273765	640206	1417615	3463423	++++	1.00	2.00	4.00	8.00	++++
Butylbenzene	CBZd 5	Ave	++++	++++	++++	53740	176284	++++	++++	++++	0.160	0.400
			387248	892942	2088526	4839029	8992594	1.00	2.00	4.00	8.00	16.0
Undecane	CBZd 5	Ave	4637	8772	15944	25871	92345	0.0200	0.0400	0.0800	0.160	0.400
			194639	440761	985978	2245261	4069630	1.00	2.00	4.00	8.00	16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	++++	++++	7448	12224	47982	++++	++++	0.0800	0.160	0.400
			109876	248961	624736	++++	++++	1.00	2.00	4.00	++++	++++
1,2,4,5-Tetramethylbenzene	CBZd 5	Ave	10742	19072	35273	65151	181492	0.0200	0.0400	0.0800	0.160	0.400
			381446	888960	1969304	4621694	++++	1.00	2.00	4.00	8.00	++++
Dodecane	CBZd 5	Ave	4906	10034	20533	31798	91798	0.0200	0.0400	0.0800	0.160	0.400
			205571	467755	760927	2179250	3959109	1.00	2.00	4.00	8.00	16.0
1,2,4-Trichlorobenzene	CBZd 5	Ave	++++	7987	11909	17061	56729	++++	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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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
			131161	318729	705416	++++	++++	1.00	2.00	4.00	++++	++++
Naphthalene	CBZd 5	Ave	++++	17407	33432	45129	138257	++++	0.0400	0.0800	0.160	0.400
			359739	844743	1631833	4934659	++++	1.00	2.00	4.00	8.00	++++
Hexachlorobutadiene	CBZd 5	Ave	++++	15581	26878	46561	118571	++++	0.0400	0.0800	0.160	0.400
			288126	636614	1431452	3717669	++++	1.00	2.00	4.00	8.00	++++
1,2,3-Trichlorobenzene	CBZd 5	Ave	++++	12856	18489	27628	82173	++++	0.0400	0.0800	0.160	0.400
			192856	432591	897102	2572316	++++	1.00	2.00	4.00	8.00	++++
2-Methylnaphthalene	CBZd 5	Ave	7090	9645	14978	14594	68733	0.0200	0.0400	0.0800	0.160	0.400
			196345	457595	++++	++++	++++	1.00	2.00	++++	++++	++++
1-Methylnaphthalene	CBZd 5	Ave	++++	++++	30002	34799	116269	++++	++++	0.0800	0.160	0.400
			318926	647630	++++	++++	++++	1.00	2.00	++++	++++	++++
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	867238	788935	729014	725071	841220	4.64	4.64	4.64	4.64	4.64
			786217	854378	980976	1009196	753619	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
QuaF = Quadratic 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.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-54608/10	RJ07IC01.D
Level 2	IC 140-54608/11	RJ07IC02.D
Level 3	IC 140-54608/12	RJ07IC03.D
Level 4	IC 140-54608/13	RJ07IC04.D
Level 5	IC 140-54608/23	RJ07IC05R.D
Level 6	IC 140-54608/15	RJ07IC06.D
Level 7	ICIS 140-54608/22	RJ07IC07R.D
Level 8	IC 140-54608/8	RJ07IC08.D
Level 9	IC 140-54608/6	RJ07IC09.D
Level 10	IC 140-54608/4	RJ07IC10.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	+++++	+++++	6.7	8.3	13.2	1.4			50	40	40	40
	-4.5	-6.1	-8.2	-10.8			40	40	40	40		
Propene	+++++	+++++	+++++	1.9	3.8	5.3				50	40	40
	-1.6	-4.3	-5.1	+++++			40	40	40			
Dichlorodifluoromethane	+++++	4.3	10.7	-3.3	11.8	-0.5			40	40	40	40
	-3.9	-2.8	-7.2	-9.0			40	40	40	40		
Chloromethane	+++++	+++++	+++++	10.4	8.7	2.9				50	40	40
	5.0	-4.8	-8.0	-14.2			40	40	40	40		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	15.4	12.7	-13.4	4.7	2.3	-1.7			50	40	40	40
	-3.7	-4.6	-6.9	-4.8			40	40	40	40		
Vinyl chloride	0.6	29.3	1.7	4.6	-5.6	4.3			50	40	40	40
	-1.9	-7.4	-10.1	-15.7			40	40	40	40		
Butane	+++++	+++++	14.9	-0.7	6.0	2.4				50	40	40
	0.4	-6.5	-9.3	-7.1			40	40	40	40		
1,3-Butadiene	+++++	+++++	7.6	11.7	-4.2	4.9				50	40	40
	1.7	-7.1	-5.3	-9.2			40	40	40	40		
Bromomethane	+++++	+++++	17.1	11.7	-0.6	4.7				50	40	40
	-3.4	-7.4	-8.9	-13.1			40	40	40	40		
Chloroethane	+++++	10.0	41.5 *	-14.9	0.4	-10.9				50	40	40
	-2.1	-12.9	-11.1	+++++			40	40	40	40		
Ethanol	+++++	+++++	+++++	9.0	-0.5	9.2					50	40
	7.2	-9.2	-8.0	-7.7			40	40	40	40		
Vinyl bromide	+++++	+++++	6.3	4.8	1.6	0.9				50	40	40
	-0.1	-1.0	-5.9	-6.5			40	40	40	40		
2-Methylbutane	+++++	+++++	4.4	7.6	-4.7	7.2				50	40	40
	4.3	-6.8	-4.9	-7.1			40	40	40	40		

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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		
Trichlorofluoromethane	++++ -5.1	++++ -1.3	8.6 0.2	6.4 -6.5	2.0	-4.2	40	40	50 40	40 40	40	40
Acrolein	++++ -3.6	++++ -15.2	++++ -5.7	38.2 -9.3	5.9	-10.2	40	40	40	50 40	40	40
Acetonitrile	++++ 5.3	++++ 3.0	++++ -0.9	++++ -4.2	-3.1	0.0	40	40	40	40	50	40
Acetone	++++ -4.6	++++ -2.7	++++ -5.1	++++ -11.6	20.4	3.5	50	50	50	50	80	50
Pentane	++++ -7.0	++++ -1.7	++++ -5.0	++++ -5.6	19.6	-0.4	40	40	40	40	50	40
Isopropyl alcohol	22.1 -6.9	19.1 -5.6	7.3 -7.3	-0.8 -15.1	-1.0	-11.9	50 40	40 40	40 40	40 40	40	40
Ethyl ether	++++ -1.3	++++ -6.7	++++ -4.8	7.9 -5.7	10.4	0.1	40	40	40	50 40	40	40
1,1-Dichloroethene	17.3 -9.8	25.6 -8.4	10.8 -8.8	-3.0 -8.2	-5.0	-10.4	50 40	40 40	40 40	40 40	40	40
Acrylonitrile	++++ -4.2	++++ -6.2	++++ 0.0	12.8 -2.6	4.3	-4.1	40	40	40	50 40	40	40
tert-Butyl alcohol	++++ -3.4	++++ -2.7	9.1 -3.0	8.0 -0.2	-0.8	-7.0	40	40	50 40	40 40	40	40
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ -6.4	++++ -2.4	11.3 -0.5	-9.0 2.9	6.1	-2.0	40	40	50 40	40 40	40	40
Methylene Chloride	++++ -13.1	24.5 -9.8	18.7 -10.8	3.8 -12.1	6.6	-7.8	50	80 50	50 50	50 50	50	50
3-Chloropropene	++++ -0.7	++++ -0.2	29.3 -3.9	-12.0 2.7	-6.7	-8.6	40	40	50 40	40 40	40	40
Carbon disulfide	++++ -5.4	++++ -0.8	11.1 -3.4	-2.2 -2.8	5.3	-1.7	40	40	50 40	40 40	40	40
trans-1,2-Dichloroethene	++++ -0.1	4.1 -1.5	-2.8 -0.8	1.4 1.1	2.4	-3.8	40	50 40	40 40	40 40	40	40
2-Methylpentane	++++ -3.0	++++ -4.0	7.8 -3.9	-1.3 -3.6	7.3	0.8	40	40	50 40	40 40	40	40
Methyl tert-butyl ether	++++ -3.1	++++ -1.9	5.0 -2.3	0.4 -0.8	3.8	-1.1	40	40	50 40	40 40	40	40
1,1-Dichloroethane	++++ -5.4	2.6 -4.8	14.6 -4.5	-0.8 -6.1	7.1	-2.7	40	50 40	40 40	40 40	40	40
Vinyl acetate	++++ -6.8	++++ -10.9	11.1 -4.8	-1.2 0.6	9.9	2.1	40	40	50 40	40 40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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		
2-Butanone (MEK)	++++ -6.5	++++ -8.8	++++ -8.4	36.8 -9.8	0.0	-3.4	40	40	40	50 40	40	40
Hexane	++++ -8.5	++++ -4.0	14.8 -3.5	4.9 -5.9	8.1	-6.0	50	50	50 50	50 50	50	50
cis-1,2-Dichloroethene	8.1 -5.4	4.6 -3.0	6.7 -5.2	-5.7 -3.5	5.2	-1.7	50 40	40 40	40 40	40 40	40	40
Ethyl acetate	++++ -2.0	++++ -4.1	9.2 -4.2	-2.8 -3.4	6.3	0.8	40	40	50 40	40 40	40	40
Chloroform	++++ -3.2	8.0 -0.7	-0.8 -1.4	-7.5 1.3	6.1	-1.8	40	50 40	40 40	40 40	40	40
Tetrahydrofuran	++++ -4.2	++++ -5.0	++++ -2.9	4.3 -5.7	10.5	3.0	40	40	40	50 40	40	40
1,1,1-Trichloroethane	++++ 0.0	++++ -0.5	0.1 -1.8	-9.8 1.2	10.0	0.9	40	40	50 40	40 40	40	40
1,2-Dichloroethane	++++ -3.0	15.4 -2.6	-0.3 -4.3	-3.7 -0.8	4.0	-4.9	40	50 40	40 40	40 40	40	40
1-Butanol	++++ 0.9	++++ -5.3	++++ -1.6	5.4 6.4	-8.1	2.3	40	40	40	50 40	40	40
Cyclohexane	++++ -4.0	++++ -4.1	++++ -1.1	-2.4 5.3	12.0	-5.7	40	40	40	50 40	40	40
Benzene	++++ -5.3	++++ -2.0	0.9 -1.1	2.2 7.1	3.8	-5.5	40	40	50 40	40 40	40	40
Carbon tetrachloride	2.7 5.8	-7.5 -2.6	-1.6 1.1	-38.2 -0.1	-22.1	-28.6	50 40	40 40	40 40	40 40	40	40
2,3-Dimethylpentane	++++ -2.9	++++ 2.6	-3.9 -1.0	-2.0 6.4	5.6	-4.7	40	40	50 40	40 40	40	40
Thiophene	++++ -3.0	-0.5 -0.6	0.1 -2.3	-9.8 7.9	10.6	-2.4	40	50 40	40 40	40 40	40	40
2,2,4-Trimethylpentane	++++ -3.2	++++ 0.1	-3.4 0.2	-1.7 5.7	5.6	-3.4	40	40	50 40	40 40	40	40
Heptane	++++ -2.4	4.6 -0.9	-8.6 -1.9	2.9 5.3	6.0	-4.9	40	50 40	40 40	40 40	40	40
1,2-Dichloropropane	++++ -7.5	13.6 -4.2	-3.1 -3.1	3.9 3.4	1.5	-4.6	40	50 40	40 40	40 40	40	40
Trichloroethene	-3.6 -5.8	25.3 -2.7	0.4 -2.3	-7.3 7.0	-4.7	-6.3	50 40	40 40	40 40	40 40	40	40
Dibromomethane	++++ -2.6	++++ -3.2	6.7 -0.3	2.8 10.1	-10.0	-3.5	40	40	50 40	40 40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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		
Bromodichloromethane	++++ 1.1	++++ 4.8	-12.6 5.7	-6.4 16.2	-7.1	-1.8	40	40	50 40	40 40	40	40
1,4-Dioxane	++++ 5.5	++++ 5.4	++++ 1.4	-10.3 6.9	-12.6	3.8	40	40	40	50 40	40	40
Methyl methacrylate	++++ -1.6	++++ -5.4	10.4 -3.0	5.8 7.1	-9.8	-3.6	40	40	50 40	40 40	40	40
Methylcyclohexane	2.0 3.0	1.7 5.4	-10.3 1.3	-4.0 13.0	-7.7	-4.4	50 40	40 40	40 40	40 40	40	40
4-Methyl-2-pentanone (MIBK)	++++ -1.0	10.9 -6.0	4.3 -3.8	-3.4 8.5	-11.5	2.1	40	40	50 40	40 40	40	40
cis-1,3-Dichloropropene	++++ 0.3	1.1 4.9	-9.7 3.0	-14.1 17.9	-9.1	5.8	40	40	50 40	40 40	40	40
trans-1,3-Dichloropropene	++++ -2.2	-4.9 1.4	8.7 4.4	-6.6 12.4	-5.8	-7.3	40	40	50 40	40 40	40	40
Toluene	++++ -4.7	++++ -1.4	5.4 3.3	-5.6 7.6	-1.9	-2.7	50	50	50 50	50 50	50	50
1,1,2-Trichloroethane	++++ -3.0	++++ -0.6	1.7 3.7	-12.0 11.6	-1.2	-0.3	40	40	50 40	40 40	40	40
2-Hexanone	++++ -5.7	++++ 1.7	-5.3 9.4	-8.0 16.7	-3.2	-5.5	40	40	50 40	40 40	40	40
Octane	++++ -2.2	7.2 2.3	-4.7 3.6	-1.1 9.4	-7.4	-7.2	40	40	50 40	40 40	40	40
Dibromochloromethane	++++ 1.8	++++ 6.1	-14.2 15.8	-17.8 23.5	-7.2	-8.0	40	40	50 40	40 40	40	40
1,2-Dibromoethane (EDB)	++++ -3.2	11.7 -2.9	-4.1 4.9	-6.1 9.1	-3.8	-5.6	40	40	50 40	40 40	40	40
Tetrachloroethene	32.5 -8.3	16.9 -6.5	-7.3 -3.9	-12.7 6.5	-7.0	-10.2	50 40	40 40	40 40	40 40	40	40
Chlorobenzene	++++ -3.5	++++ -3.8	4.6 3.0	-6.8 10.4	2.1	-6.1	40	40	50 40	40 40	40	40
Ethylbenzene	++++ -6.3	17.7 -3.0	-0.2 -0.1	-7.6 8.7	-1.7	-7.3	40	40	50 40	40 40	40	40
m-Xylene & p-Xylene	++++ -6.2	11.5 -1.4	-8.2 5.3	-7.7 14.9	-5.8	-2.3	40	40	50 40	40 40	40	40
Nonane	++++ -0.5	4.6 0.4	-4.4 5.2	-13.0 12.8	0.6	-5.7	40	40	50 40	40 40	40	40
Bromoform	++++ 2.3	++++ 8.6	2.7 ++++	-4.1 ++++	-1.4	-8.1	40	40	50	40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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		
Styrene	15.9 -2.2	-8.3 0.4	-10.0 10.6	-12.8 21.5	-10.7	-4.4	50 40	40 40	40 40	40 40	40	40
o-Xylene	++++ -5.7	10.3 0.8	3.3 -0.1	-11.5 10.2	-2.1	-5.2	40	50 40	40 40	40 40	40	40
1,1,2,2-Tetrachloroethane	++++ -3.1	++++ 0.5	-4.3 6.7	-12.5 17.8	-2.2	-2.9	40	40	50 40	40 40	40	40
1,2,3-Trichloropropane	++++ -4.4	4.0 0.0	-2.7 4.4	-11.5 12.7	2.8	-5.5	40	50 40	40 40	40 40	40	40
Isopropylbenzene	++++ -4.2	13.8 -3.3	-2.8 0.8	-7.5 11.1	-2.5	-5.4	40	50 40	40 40	40 40	40	40
Propylbenzene	6.0 -2.3	-4.0 0.0	-7.9 5.5	-8.4 16.0	-1.6	-3.4	50 40	40 40	40 40	40 40	40	40
2-Chlorotoluene	++++ -8.6	++++ -4.4	8.5 -0.8	-3.9 12.3	-1.5	-1.5	40	40	50 40	40 40	40	40
4-Ethyltoluene	++++ -5.5	9.8 0.0	-10.4 6.7	-9.6 19.5	-2.9	-7.5	40	50 40	40 40	40 40	40	40
1,3,5-Trimethylbenzene	++++ -4.3	10.6 -3.8	3.7 3.9	-15.1 16.8	-5.4	-6.3	40	50 40	40 40	40 40	40	40
Alpha Methyl Styrene	++++ 2.7	++++ 2.7	-15.2 16.7	-22.1 29.7	-9.5	-5.0	40	40	50 40	40 40	40	40
Decane	-5.5 2.7	-3.3 2.6	-10.2 11.5	-17.4 26.4	-6.4	-0.5	50 40	40 40	40 40	40 40	40	40
tert-Butylbenzene	++++ -8.1	++++ -1.9	-4.3 6.5	-8.8 25.9	-2.0	-7.3	40	40	50 40	40 40	40	40
1,2,4-Trimethylbenzene	++++ -5.8	++++ -0.2	-5.4 8.0	-13.8 28.5	-2.9	-8.3	40	40	50 40	40 40	40	40
sec-Butylbenzene	++++ -6.9	6.8 -2.3	-4.0 6.4	-14.9 24.3	-2.0	-7.4	40	50 40	40 40	40 40	40	40
1,3-Dichlorobenzene	++++ -8.2	18.3 -4.2	-0.4 8.4	-26.6 34.6	-11.7	-10.2	40	50 40	40 40	40 40	40	40
Benzyl chloride	++++ 3.6	++++ 1.1	33.5 ++++	-25.6 ++++	-4.2	-8.5	40	40	50	40	40	40
1,4-Dichlorobenzene	++++ -7.1	13.1 -2.9	-7.1 11.6	-20.9 39.7	-14.8	-11.6	40	50 40	40 40	40 40	40	40
4-Isopropyltoluene	3.3 -8.4	11.1 -3.5	-2.2 3.9	-15.0 22.4	-3.4	-8.2	50 40	40 40	40 40	40 40	40	40
1,2,3-Trimethylbenzene	++++ -0.4	++++ 2.3	-1.7 9.3	-8.2 ++++	2.6	-4.0	40	40	50 40	40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54608

SDG No.: _____

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

Calibration Start Date: 10/07/2021 16:44 Calibration End Date: 10/08/2021 07:54 Calibration ID: 3280

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		
Indane	15.8 -6.9	3.5 -1.2	-15.2 10.3	-23.6 36.2	-10.0	-8.9	50 40	40 40	40 40	40 40	40	40
1,2-Dichlorobenzene	++++ -5.1	17.9 1.7	2.1 17.1	-16.6 ++++	-8.9	-8.3	40	50 40	40 40	40	40	40
Indene	++++ 5.8	2.3 4.9	-10.9 29.6	-24.9 ++++	-5.3	-1.6	40	50 40	40 40	40	40	40
Butylbenzene	++++ -6.9	++++ -2.5	++++ 14.2	-20.3 36.0	-8.3	-12.2	40	40	40	50 40	40	40
Undecane	-5.2 -3.3	-1.2 -3.1	-3.4 11.6	-19.2 29.6	1.2	-7.1	50 40	40 40	40 40	40 40	40	40
1,2-Dibromo-3-Chloropropane	++++ 7.7	++++ 21.0	-11.1 ++++	-24.7 ++++	3.6	3.4	40	40	50	40	40	40
1,2,4,5-Tetramethylbenzene	6.8 -5.1	4.4 -5.9	3.9 11.7	-1.0 ++++	-3.3	-11.5	50 40	40 40	40 40	40	40	40
Dodecane	-4.2 -2.0	7.9 -28.6	18.7 3.4	-5.2 20.4	-4.0	-6.3	50 40	40 40	40 40	40 40	40	40
1,2,4-Trichlorobenzene	++++ 2.1	31.3 1.2	5.3 ++++	-22.2 ++++	-9.2	-8.6	40	50 40	40	40	40	40
Naphthalene	++++ 2.0	7.9 -11.8	11.5 35.0	-22.4 ++++	-16.6	-5.5	40	80 40	40 40	40	40	40
Hexachlorobutadiene	++++ -8.1	15.4 -7.5	7.1 21.5	-4.3 ++++	-14.6	-9.6	40	50 40	40 40	40	40	40
1,2,3-Trichlorobenzene	++++ -9.2	38.5 -15.6	7.2 22.3	-17.4 ++++	-13.9	-11.9	40	50 40	40 40	40	40	40
2-Methylnaphthalene	53.9 6.6	15.3 ++++	-3.7 ++++	-51.6 * ++++	-20.0	-0.5	80 50	50	50	50	50	50
1-Methylnaphthalene	++++ -0.2	++++ ++++	27.6 ++++	-23.7 ++++	-10.6	6.9	50		80	50	50	50

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC10.D
 Lims ID: IC L10
 Client ID:
 Sample Type: IC Calib Level: 10
 Inject. Date: 07-Oct-2021 16:44:30 ALS Bottle#: 13 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-004
 Misc. Info.: 427821
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:01 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 10:28:34

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	8.625	8.598	0.027	85	292050	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.863	10.842	0.021	92	1264821	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.770	15.762	0.008	83	1124520	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.447	17.437	0.010	93	753619	4.64	4.80	
6 Chlorodifluoromethane	51	3.346	3.359	-0.013	99	1209392	16.0	14.3	
7 Propene	41	3.351	3.362	-0.011	98	279782	16.0	5.50	
8 Dichlorodifluoromethane	85	3.410	3.417	-0.007	98	2606586	16.0	14.6	
9 Chloromethane	52	3.599	3.600	-0.001	98	227013	16.0	13.7	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.615	3.613	0.002	88	2441831	16.0	15.2	
11 Acetaldehyde	44	3.782	3.769	0.013	87	2064199	80.0	70.6	
12 Vinyl chloride	62	3.772	3.773	-0.001	100	991743	16.0	13.5	
13 Butane	43	3.863	3.860	0.003	88	1546790	16.0	14.9	
14 Butadiene	54	3.863	3.860	0.003	63	639509	16.0	14.5	
15 Bromomethane	94	4.187	4.181	0.006	99	1327243	16.0	13.9	
16 Chloroethane	64	4.338	4.324	0.014	90	511905	16.0	13.5	
17 Ethanol	31	4.505	4.459	0.046	95	3392288	80.0	73.9	
18 Vinyl bromide	106	4.640	4.624	0.016	98	1420848	16.0	15.0	
19 2-Methylbutane	43	4.678	4.672	0.006	96	1338597	16.0	14.9	
20 Trichlorofluoromethane	101	4.909	4.894	0.015	98	2857609	16.0	15.0	
21 Acrolein	56	4.931	4.921	0.010	91	273719	16.0	14.5	
22 Acetonitrile	40	5.023	5.010	0.013	100	400939	16.0	15.3	
23 Acetone	58	5.050	5.040	0.010	99	1143628	48.0	42.5	
25 Pentane	72	5.131	5.123	0.008	97	131759	16.0	15.1	
24 Isopropyl alcohol	45	5.201	5.155	0.046	100	3369683	48.0	40.8	
26 Ethyl ether	31	5.298	5.291	0.007	86	1283964	16.0	15.1	
27 1,1-Dichloroethene	96	5.632	5.617	0.015	95	1079467	16.0	14.7	
29 Acrylonitrile	53	5.778	5.748	0.030	95	574633	16.0	15.6	
28 2-Methyl-2-propanol	59	5.799	5.773	0.026	95	1465927	16.0	16.0	
30 112TCTFE	101	5.815	5.800	0.015	93	2627716	16.0	16.5	
31 Methylene Chloride	84	5.999	5.980	0.019	89	973448	16.0	14.1	

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	6.010	5.995	0.015	99	965576	16.0	16.4	
33 Carbon disulfide	76	6.150	6.133	0.017	99	3301595	16.0	15.5	
34 trans-1,2-Dichloroethene	96	6.835	6.806	0.029	96	1143819	16.0	16.2	
35 2-Methylpentane	43	6.835	6.823	0.012	94	2255787	16.0	15.4	
36 Methyl tert-butyl ether	73	6.937	6.945	-0.008	96	2604325	16.0	15.9	
37 1,1-Dichloroethane	63	7.266	7.242	0.024	99	1667814	16.0	15.0	
38 Vinyl acetate	43	7.385	7.362	0.023	99	2647868	16.0	16.1	
40 Hexane	56	7.843	7.825	0.018	84	640389	16.0	15.1	
39 2-Butanone (MEK)	72	7.838	7.826	0.012	95	503649	16.0	14.4	
41 Isopropyl ether	45	8.010	8.005	0.005	93	3247805	16.0	15.4	
42 cis-1,2-Dichloroethene	96	8.280	8.255	0.025	88	1207614	16.0	15.4	
43 Ethyl acetate	43	8.468	8.452	0.016	98	2360392	16.0	15.5	
44 Chloroform	83	8.641	8.609	0.032	94	2557578	16.0	16.2	
45 Tert-butyl ethyl ether	59	8.700	8.695	0.005	95	2606216	16.0	16.7	
46 Tetrahydrofuran	42	9.008	9.015	-0.007	93	1155516	16.0	15.1	
47 1,1,1-Trichloroethane	97	9.671	9.651	0.020	96	2512279	16.0	16.2	
48 1,2-Dichloroethane	62	9.800	9.774	0.026	96	1252224	16.0	15.9	
49 n-Butanol	31	10.248	10.251	-0.003	86	607678	16.0	17.0	
50 Cyclohexane	69	10.275	10.258	0.017	89	518955	16.0	16.8	
51 Benzene	78	10.291	10.271	0.020	95	3569218	16.0	17.1	
52 Carbon tetrachloride	117	10.307	10.287	0.020	97	3225493	16.0	16.0	
53 2,3-Dimethylpentane	71	10.404	10.394	0.010	90	735450	16.0	17.0	
54 Thiophene	84	10.577	10.553	0.024	91	2070782	16.0	17.3	
55 Isooctane	57	11.068	11.054	0.014	95	4604307	16.0	16.9	
56 n-Heptane	71	11.456	11.444	0.012	97	1158572	16.0	16.8	
57 1,2-Dichloropropane	63	11.553	11.532	0.021	91	1315198	16.0	16.6	
58 Trichloroethene	130	11.585	11.565	0.020	95	1858986	16.0	17.1	
59 Dibromomethane	93	11.677	11.657	0.020	95	1946377	16.0	17.6	
60 Dichlorobromomethane	83	11.822	11.803	0.019	97	2865490	16.0	18.6	
61 1,4-Dioxane	88	11.817	11.820	-0.003	39	559493	16.0	17.1	
62 Methyl methacrylate	41	11.909	11.902	0.007	94	1542393	16.0	17.1	
63 Methylcyclohexane	83	12.351	12.347	0.004	94	2186864	16.0	18.1	
64 4-Methyl-2-pentanone (MIBK)	43	12.788	12.790	-0.002	98	2762305	16.0	17.4	
65 cis-1,3-Dichloropropene	75	12.858	12.849	0.009	93	2174252	16.0	18.9	
66 trans-1,3-Dichloropropene	75	13.602	13.590	0.012	96	1974796	16.0	18.0	
67 Toluene	91	13.721	13.711	0.010	95	4333511	16.0	17.2	
68 1,1,2-Trichloroethane	83	13.807	13.797	0.010	93	1488135	16.0	17.9	
69 2-Hexanone	58	14.201	14.202	-0.001	89	1116239	16.0	18.7	
70 n-Octane	85	14.438	14.431	0.007	94	1190633	16.0	17.5	
71 Chlorodibromomethane	129	14.540	14.532	0.008	95	3598236	16.0	19.8	
72 Ethylene Dibromide	107	14.848	14.835	0.013	99	2738116	16.0	17.5	
73 Tetrachloroethene	129	14.912	14.907	0.005	96	2025619	16.0	17.0	
74 Chlorobenzene	112	15.818	15.813	0.005	96	3984681	16.0	17.7	
75 2,3-Dimethylheptane	43	15.829	15.826	0.003	95	4329475	16.0	18.3	
76 Ethylbenzene	91	16.115	16.107	0.008	97	5917779	16.0	17.4	
77 m-Xylene & p-Xylene	91	16.282	16.271	0.011	97	9709195	32.0	36.8	
78 n-Nonane	57	16.697	16.695	0.002	92	2351329	16.0	18.0	
79 Bromoform	173	16.746	16.737	0.009	96	5174945	16.0	25.1	
80 Styrene	104	16.757	16.747	0.009	96	4107579	16.0	19.4	
81 o-Xylene	91	16.816	16.807	0.009	99	4751029	16.0	17.6	
82 1,1,2,2-Tetrachloroethane	83	17.145	17.143	0.002	98	4132141	16.0	18.8	
83 1,2,3-Trichloropropane	110	17.312	17.307	0.005	98	978042	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	17.409	17.403	0.006	95	7383343	16.0	17.8	
85 N-Propylbenzene	120	17.954	17.948	0.006	100	2230933	16.0	18.6	
86 2-Chlorotoluene	126	17.997	17.994	0.003	95	2126487	16.0	18.0	
88 4-Ethyltoluene	105	18.105	18.097	0.008	98	7797215	16.0	19.1	
87 1,3,5-Trimethylbenzene	120	18.175	18.170	0.005	93	3287062	16.0	18.7	
89 Alpha Methyl Styrene	118	18.407	18.402	0.005	89	3243980	16.0	20.8	
90 n-Decane	57	18.460	18.452	0.008	87	3315284	16.0	20.2	
91 tert-Butylbenzene	119	18.601	18.596	0.005	93	7594293	16.0	20.1	
92 1,2,4-Trimethylbenzene	105	18.617	18.609	0.008	95	7430209	16.0	20.6	
93 sec-Butylbenzene	105	18.870	18.865	0.005	98	10803699	16.0	19.9	
94 1,3-Dichlorobenzene	146	18.886	18.882	0.004	97	5470541	16.0	21.5	
95 Benzyl chloride	91	18.967	18.959	0.008	99	5650871	16.0	27.0	
96 1,4-Dichlorobenzene	146	18.978	18.970	0.008	96	5344696	16.0	22.3	
97 4-Isopropyltoluene	119	19.032	19.026	0.006	96	8532293	16.0	19.6	
98 1,2,3-Trimethylbenzene	105	19.086	19.082	0.004	98	7111907	16.0	20.6	
99 Butylcyclohexane	83	19.135	19.131	0.004	97	5543259	16.0	19.9	
100 2,3-Dihydroindene	117	19.334	19.329	0.005	92	7867924	16.0	21.8	
101 1,2-Dichlorobenzene	146	19.339	19.331	0.008	98	5914924	16.0	24.1	
102 Indene	116	19.463	19.459	0.004	87	6508335	16.0	25.0	
103 n-Butylbenzene	91	19.463	19.459	0.004	96	8992594	16.0	21.8	
104 Undecane	57	19.765	19.761	0.004	89	4069630	16.0	20.7	
105 1,2-Dibromo-3-Chloropropane	157	19.938	19.933	0.005	95	2962394	16.0	29.8	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	97	8743300	16.0	21.7	
107 Dodecane	57	20.828	20.824	0.004	88	3959109	16.0	19.3	
108 1,2,4-Trichlorobenzene	180	21.043	21.040	0.003	93	4568530	16.0	34.0	
109 Naphthalene	128	21.189	21.186	0.003	99	9696882	16.0	27.2	
110 Hexachlorobutadiene	225	21.399	21.397	0.002	92	8728080	16.0	29.2	
111 1,2,3-Trichlorobenzene	180	21.475	21.472	0.003	96	5378254	16.0	26.2	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	98	6106509	16.0	33.0	
113 1-Methylnaphthalene	142	22.224	22.221	0.003	98	6792188	16.0	24.3	
A 116 C8 Range	1	14.438	(14.389-14.486)		0	11769341	16.0	18.6	
S 117 Xylenes, Total	100				0		48.0	54.4	
S 118 1,2-Dichloroethene, Total	1				0		32.0	31.6	

Reagents:

40L10DQP_00028

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC10.D

Injection Date: 07-Oct-2021 16:44:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L10

Worklist Smp#: 4

Client ID:

Purge Vol: 500.000 mL

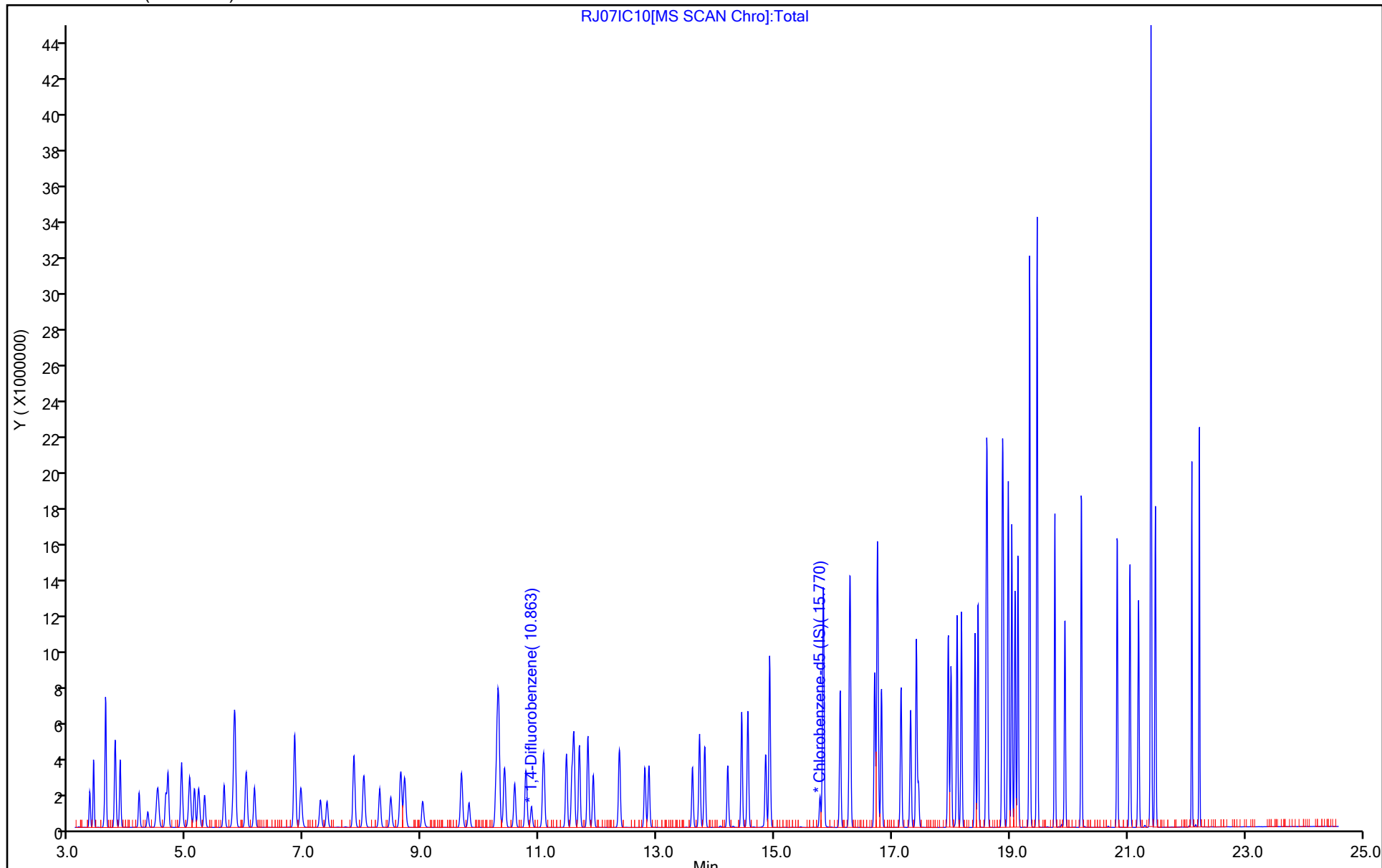
Dil. Factor: 1.0000

ALS Bottle#: 13

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\20211007-20984.b\RJ07IC10.D

Injection Date: 07-Oct-2021 16:44:30

Instrument ID: MR

Lims ID: IC L10

Client ID:

Operator ID: HMT

ALS Bottle#: 13

Worklist Smp#: 4

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

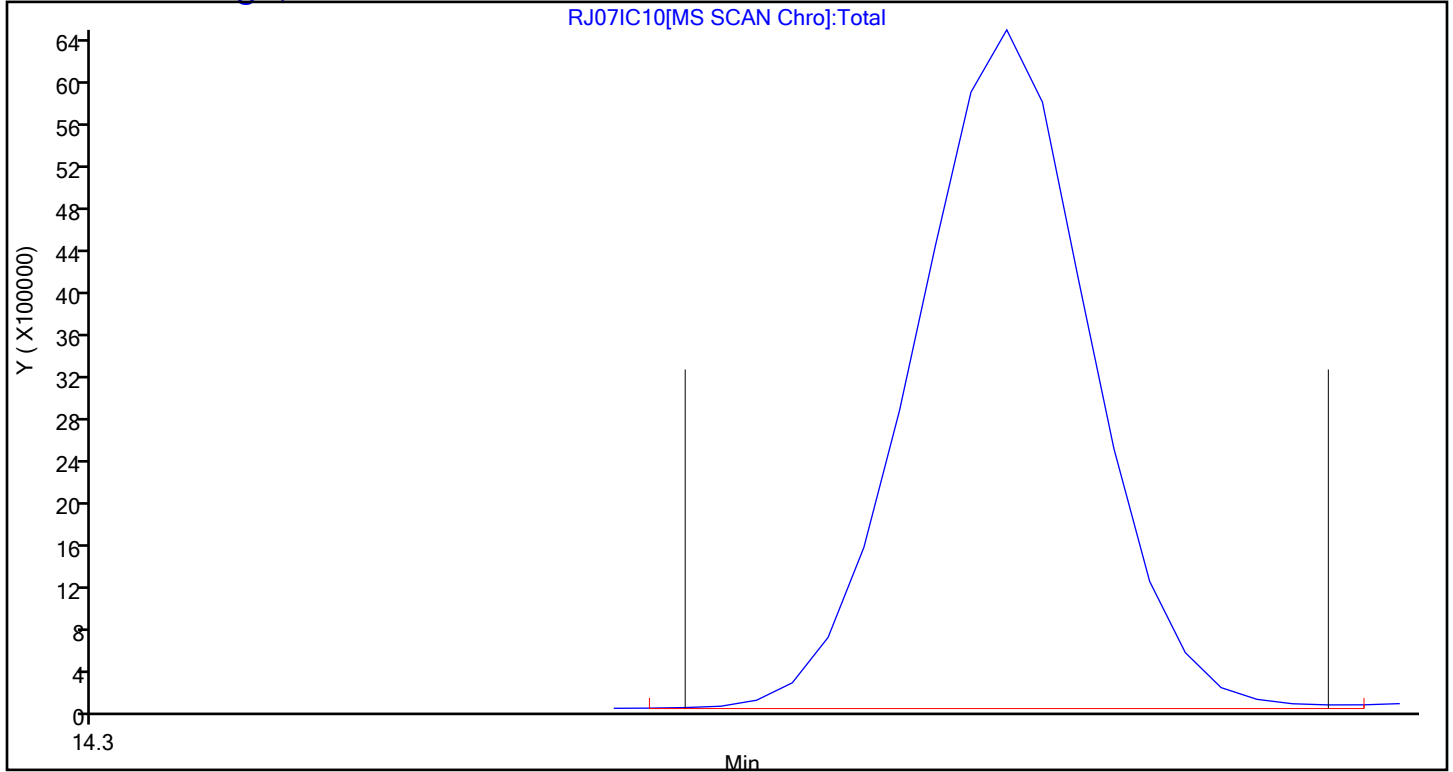
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC09.D
 Lims ID: IC L9
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 07-Oct-2021 18:17:30 ALS Bottle#: 14 Worklist Smp#: 6
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-006
 Misc. Info.: 427817
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:05 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 10:42:18

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	8.609	8.598	0.011	81	379749	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.846	10.842	0.004	92	1753861	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.764	15.762	0.002	83	1441119	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.437	-0.001	95	1009196	4.64	5.01	
6 Chlorodifluoromethane	51	3.351	3.359	-0.008	99	809856	8.00	7.35	
7 Propene	41	3.356	3.362	-0.006	97	501828	8.00	7.59	
8 Dichlorodifluoromethane	85	3.410	3.417	-0.007	98	1727172	8.00	7.42	
9 Chloromethane	52	3.599	3.600	-0.001	98	158346	8.00	7.36	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.610	3.613	-0.003	88	1552226	8.00	7.45	
12 Vinyl chloride	62	3.766	3.773	-0.007	99	688011	8.00	7.20	
11 Acetaldehyde	44	3.772	3.769	0.003	90	1313146	40.0	34.6	
13 Butane	43	3.858	3.860	-0.002	87	981861	8.00	7.25	
14 Butadiene	54	3.858	3.860	-0.002	64	433729	8.00	7.58	
15 Bromomethane	94	4.181	4.181	0.000	97	904625	8.00	7.29	
16 Chloroethane	64	4.322	4.324	-0.002	92	349579	8.00	7.12	
17 Ethanol	31	4.473	4.459	0.014	95	2196588	40.0	36.8	
18 Vinyl bromide	106	4.629	4.624	0.005	98	929828	8.00	7.53	
19 2-Methylbutane	43	4.667	4.672	-0.005	97	890207	8.00	7.61	
20 Trichlorofluoromethane	101	4.893	4.894	-0.001	98	1989937	8.00	8.01	
21 Acrolein	56	4.909	4.921	-0.012	90	185018	8.00	7.54	
22 Acetonitrile	40	5.001	5.010	-0.009	100	269834	8.00	7.93	
23 Acetone	58	5.028	5.040	-0.012	98	797953	24.0	22.8	
25 Pentane	72	5.125	5.123	0.002	96	86171	8.00	7.60	
24 Isopropyl alcohol	45	5.157	5.155	0.002	94	2390806	24.0	22.2	
26 Ethyl ether	31	5.287	5.291	-0.004	86	843424	8.00	7.62	
27 1,1-Dichloroethene	96	5.621	5.617	0.004	96	696926	8.00	7.29	
29 Acrylonitrile	53	5.756	5.748	0.008	96	383647	8.00	8.00	
28 2-Methyl-2-propanol	59	5.761	5.773	-0.012	96	926681	8.00	7.76	
30 112TCTFE	101	5.799	5.800	-0.001	95	1651982	8.00	7.96	
31 Methylene Chloride	84	5.988	5.980	0.008	88	641736	8.00	7.13	

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	5.993	5.995	-0.002	98	589349	8.00	7.69	
33 Carbon disulfide	76	6.139	6.133	0.006	99	2134472	8.00	7.73	
34 trans-1,2-Dichloroethene	96	6.813	6.806	0.007	92	729642	8.00	7.93	
35 2-Methylpentane	43	6.818	6.823	-0.005	95	1462071	8.00	7.68	
36 Methyl tert-butyl ether	73	6.926	6.945	-0.019	96	1668258	8.00	7.82	
37 1,1-Dichloroethane	63	7.250	7.242	0.008	99	1103556	8.00	7.64	
38 Vinyl acetate	43	7.363	7.362	0.001	99	1630181	8.00	7.62	
39 2-Butanone (MEK)	72	7.821	7.826	-0.005	97	332338	8.00	7.33	
40 Hexane	56	7.832	7.825	0.007	82	427086	8.00	7.72	
41 Isopropyl ether	45	7.994	8.005	-0.011	94	2089557	8.00	7.62	
42 cis-1,2-Dichloroethene	96	8.264	8.255	0.009	87	771482	8.00	7.58	
43 Ethyl acetate	43	8.447	8.452	-0.005	98	1522300	8.00	7.67	
44 Chloroform	83	8.619	8.609	0.010	93	1618205	8.00	7.89	
45 Tert-butyl ethyl ether	59	8.684	8.695	-0.011	94	1672690	8.00	8.25	
46 Tetrahydrofuran	42	8.997	9.015	-0.018	93	773530	8.00	7.77	
47 1,1,1-Trichloroethane	97	9.655	9.651	0.004	96	1584982	8.00	7.86	
48 1,2-Dichloroethane	62	9.784	9.774	0.010	96	837613	8.00	7.66	
49 n-Butanol	31	10.226	10.251	-0.025	91	389522	8.00	7.87	
50 Cyclohexane	69	10.264	10.258	0.006	92	337888	8.00	7.91	
51 Benzene	78	10.275	10.271	0.004	94	2286000	8.00	7.91	
52 Carbon tetrachloride	117	10.291	10.287	0.004	97	1946073	8.00	8.09	
53 2,3-Dimethylpentane	71	10.388	10.394	-0.006	90	474471	8.00	7.92	
54 Thiophene	84	10.561	10.553	0.008	91	1300505	8.00	7.82	
55 Isooctane	57	11.057	11.054	0.003	96	3025529	8.00	8.02	
56 n-Heptane	71	11.445	11.444	0.001	95	748767	8.00	7.85	
57 1,2-Dichloropropane	63	11.537	11.532	0.005	92	854548	8.00	7.76	
58 Trichloroethene	130	11.569	11.565	0.004	96	1177549	8.00	7.82	
59 Dibromomethane	93	11.661	11.657	0.004	96	1221495	8.00	7.97	
61 1,4-Dioxane	88	11.812	11.820	-0.008	39	367823	8.00	8.11	
60 Dichlorobromomethane	83	11.806	11.803	0.003	97	1808010	8.00	8.46	
62 Methyl methacrylate	41	11.898	11.902	-0.004	94	969089	8.00	7.76	
63 Methylcyclohexane	83	12.346	12.347	-0.001	95	1360096	8.00	8.11	
64 4-Methyl-2-pentanone (MIBK)	43	12.777	12.790	-0.013	98	1697891	8.00	7.69	
65 cis-1,3-Dichloropropene	75	12.852	12.849	0.003	93	1317051	8.00	8.24	
66 trans-1,3-Dichloropropene	75	13.591	13.590	0.001	97	1175427	8.00	8.35	
67 Toluene	91	13.710	13.711	-0.001	94	2665210	8.00	8.26	
68 1,1,2-Trichloroethane	83	13.796	13.797	-0.001	93	885855	8.00	8.30	
69 2-Hexanone	58	14.190	14.202	-0.012	89	670835	8.00	8.75	
70 n-Octane	85	14.432	14.431	0.001	94	722486	8.00	8.29	
71 Chlorodibromomethane	129	14.535	14.532	0.003	96	2162112	8.00	9.27	
72 Ethylene Dibromide	107	14.837	14.835	0.002	99	1687137	8.00	8.39	
73 Tetrachloroethene	129	14.907	14.907	0.000	95	1171246	8.00	7.69	
74 Chlorobenzene	112	15.813	15.813	0.000	96	2383059	8.00	8.24	
75 2,3-Dimethylheptane	43	15.824	15.826	-0.002	96	2565257	8.00	8.44	
76 Ethylbenzene	91	16.109	16.107	0.002	97	3486142	8.00	7.99	
77 m-Xylene & p-Xylene	91	16.271	16.271	0.000	97	5704147	16.0	16.8	
78 n-Nonane	57	16.697	16.695	0.002	92	1406391	8.00	8.42	
79 Bromoform	173	16.740	16.737	0.003	96	2742854	8.00	10.4	
80 Styrene	104	16.746	16.747	-0.001	96	2396303	8.00	8.85	
81 o-Xylene	91	16.810	16.807	0.003	99	2760623	8.00	7.99	
82 1,1,2,2-Tetrachloroethane	83	17.145	17.143	0.002	98	2397554	8.00	8.53	
83 1,2,3-Trichloropropane	110	17.307	17.307	-0.001	98	580832	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	17.404	17.403	0.001	96	4295369	8.00	8.07	
85 N-Propylbenzene	120	17.948	17.948	0.000	100	1300522	8.00	8.44	
86 2-Chlorotoluene	126	17.997	17.994	0.003	96	1204386	8.00	7.94	
88 4-Ethyltoluene	105	18.099	18.097	0.002	98	4460719	8.00	8.54	
87 1,3,5-Trimethylbenzene	120	18.175	18.170	0.005	93	1872651	8.00	8.31	
89 Alpha Methyl Styrene	118	18.407	18.402	0.005	90	1869897	8.00	9.34	
90 n-Decane	57	18.455	18.452	0.003	87	1873726	8.00	8.92	
91 tert-Butylbenzene	119	18.601	18.596	0.005	93	4115868	8.00	8.52	
92 1,2,4-Trimethylbenzene	105	18.611	18.609	0.002	95	4003096	8.00	8.64	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	5928302	8.00	8.51	
94 1,3-Dichlorobenzene	146	18.886	18.882	0.004	96	2821574	8.00	8.67	
95 Benzyl chloride	91	18.962	18.959	0.003	99	2868106	8.00	10.7	
96 1,4-Dichlorobenzene	146	18.973	18.970	0.003	96	2735290	8.00	8.92	
97 4-Isopropyltoluene	119	19.027	19.026	0.001	97	4641492	8.00	8.31	
98 1,2,3-Trimethylbenzene	105	19.086	19.082	0.004	98	3877305	8.00	8.74	
99 Butylcyclohexane	83	19.135	19.131	0.004	97	3055789	8.00	8.56	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	92	4082130	8.00	8.82	
101 1,2-Dichlorobenzene	146	19.334	19.331	0.003	85	2944668	8.00	9.37	
103 n-Butylbenzene	91	19.458	19.459	-0.001	96	4839029	8.00	9.14	
102 Indene	116	19.458	19.459	-0.001	85	3463423	8.00	10.4	
104 Undecane	57	19.760	19.761	-0.001	89	2245261	8.00	8.93	
105 1,2-Dibromo-3-Chloropropane	157	19.933	19.933	0.000	96	1530847	8.00	12.0	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	97	4621694	8.00	8.93	
107 Dodecane	57	20.822	20.824	-0.002	88	2179250	8.00	8.27	
108 1,2,4-Trichlorobenzene	180	21.038	21.040	-0.002	93	2068039	8.00	12.0	
109 Naphthalene	128	21.189	21.186	0.003	99	4934659	8.00	10.8	
110 Hexachlorobutadiene	225	21.399	21.397	0.002	93	3717669	8.00	9.72	
111 1,2,3-Trichlorobenzene	180	21.475	21.472	0.003	96	2572316	8.00	9.79	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	98	2720536	8.00	11.5	
113 1-Methylnaphthalene	142	22.224	22.221	0.003	98	3138254	8.00	8.76	
A 116 C8 Range	1	14.432	(14.384-14.481)		0	6966893	8.00	7.94	
S 117 Xylenes, Total	100				0		24.0	24.8	
S 118 1,2-Dichloroethene, Total	1				0		16.0	15.5	

Reagents:

40L9DQP_00028

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC09.D

Injection Date: 07-Oct-2021 18:17:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L9

Worklist Smp#: 6

Client ID:

Purge Vol: 500.000 mL

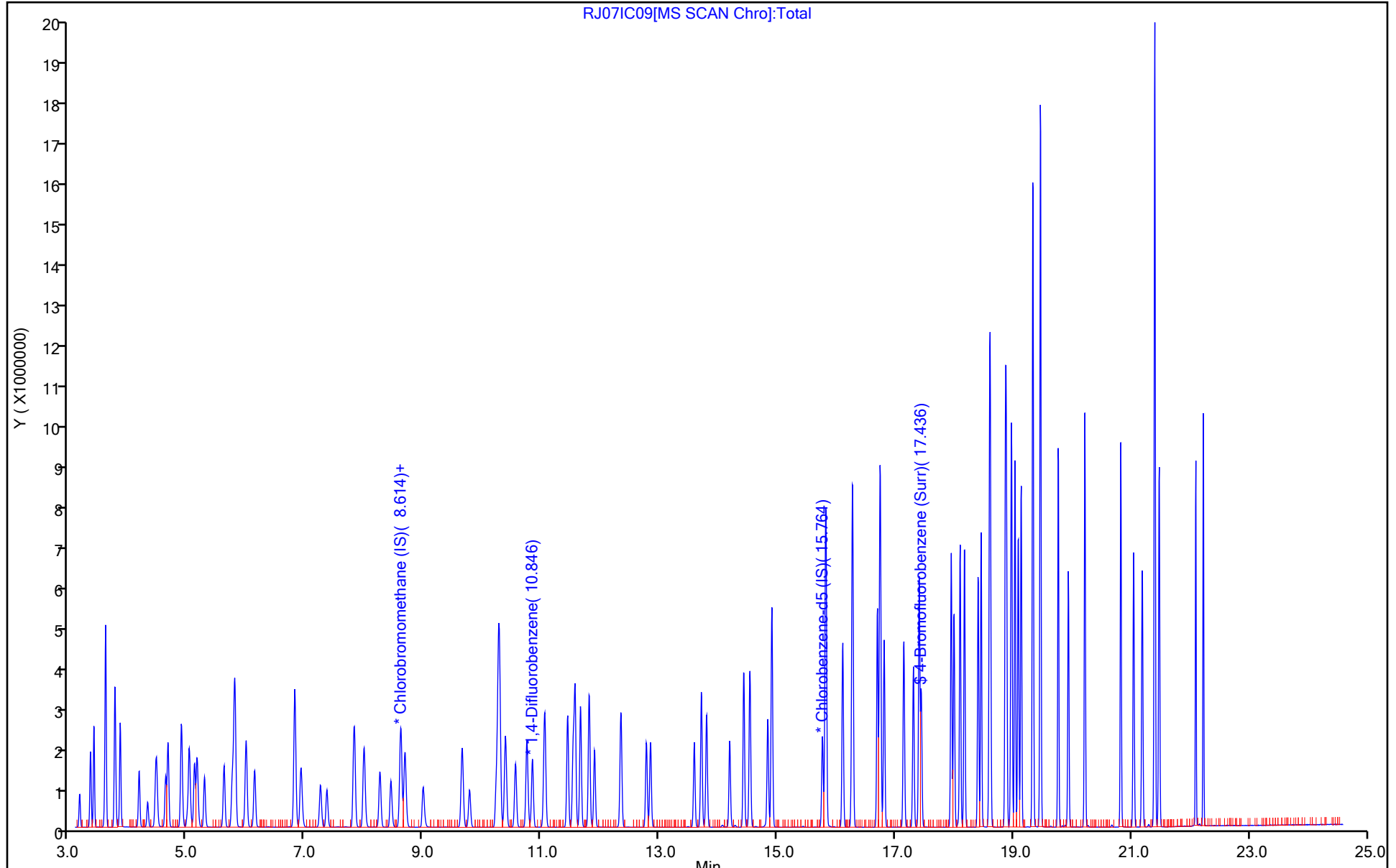
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



RJ07IC09[MS SCAN Chro]:Total

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC09.D

Injection Date: 07-Oct-2021 18:17:30

Instrument ID: MR

Lims ID: IC L9

Client ID:

Operator ID: HMT

ALS Bottle#: 14

Worklist Smp#: 6

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

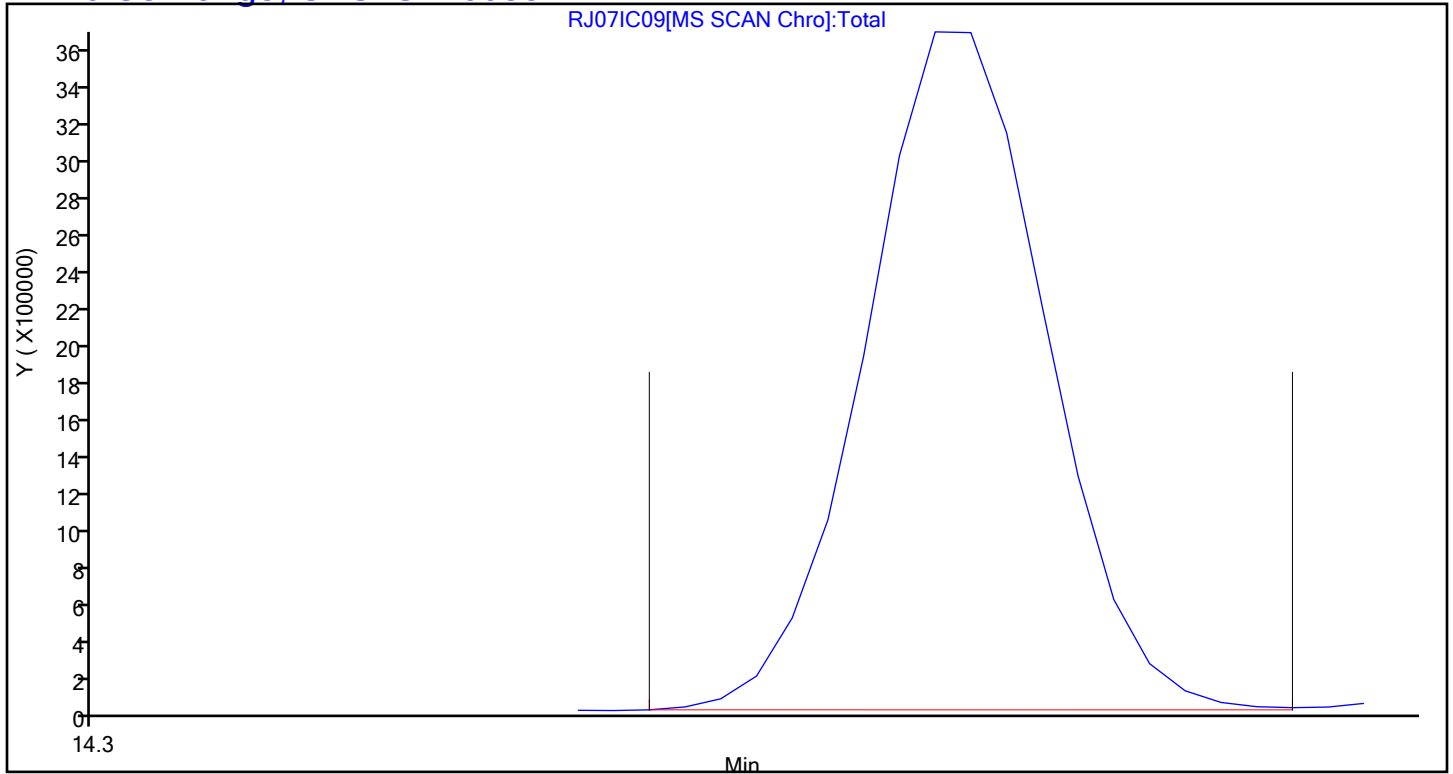
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC08.D
 Lims ID: IC L8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 07-Oct-2021 19:46:30 ALS Bottle#: 15 Worklist Smp#: 8
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-008
 Misc. Info.: 427818
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:10 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 10:43:30

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	8.598	8.598	0.000	82	382044	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.841	10.842	-0.001	90	1742215	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.762	-0.003	83	1457627	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.437	-0.001	95	980976	4.64	4.82	
6 Chlorodifluoromethane	51	3.346	3.359	-0.013	98	416641	4.00	3.76	
7 Propene	41	3.351	3.362	-0.011	98	254674	4.00	3.83	
8 Dichlorodifluoromethane	85	3.405	3.417	-0.012	99	910300	4.00	3.89	
9 Chloromethane	52	3.588	3.600	-0.012	98	82399	4.00	3.81	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.605	3.613	-0.008	88	800480	4.00	3.82	
12 Vinyl chloride	62	3.761	3.773	-0.012	99	356402	4.00	3.71	
11 Acetaldehyde	44	3.761	3.769	-0.008	93	726470	20.0	19.0	
13 Butane	43	3.847	3.860	-0.013	88	509477	4.00	3.74	
14 Butadiene	54	3.853	3.860	-0.007	64	214132	4.00	3.72	
15 Bromomethane	94	4.171	4.181	-0.010	98	462623	4.00	3.70	
16 Chloroethane	64	4.316	4.324	-0.008	90	172269	4.00	3.49	
17 Ethanol	31	4.457	4.459	-0.002	96	1091299	20.0	18.2	
18 Vinyl bromide	106	4.618	4.624	-0.006	97	491988	4.00	3.96	
19 2-Methylbutane	43	4.661	4.672	-0.011	96	438778	4.00	3.73	
20 Trichlorofluoromethane	101	4.888	4.894	-0.006	99	986028	4.00	3.95	
21 Acrolein	56	4.909	4.921	-0.012	93	83752	4.00	3.39	
22 Acetonitrile	40	4.996	5.010	-0.014	100	141045	4.00	4.12	
23 Acetone	58	5.017	5.040	-0.023	99	411662	12.0	11.7	
25 Pentane	72	5.109	5.123	-0.014	97	44885	4.00	3.93	
24 Isopropyl alcohol	45	5.147	5.155	-0.008	92	1225445	12.0	11.3	
26 Ethyl ether	31	5.276	5.291	-0.015	86	415537	4.00	3.73	
27 1,1-Dichloroethene	96	5.610	5.617	-0.007	95	352282	4.00	3.66	
29 Acrylonitrile	53	5.745	5.748	-0.003	56	181061	4.00	3.75	
28 2-Methyl-2-propanol	59	5.745	5.773	-0.028	95	467703	4.00	3.89	
30 112TCTFE	101	5.794	5.800	-0.006	94	815274	4.00	3.91	
31 Methylene Chloride	84	5.977	5.980	-0.003	86	326481	4.00	3.61	

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	5.993	5.995	-0.002	98	309411	4.00	3.99	
33 Carbon disulfide	76	6.128	6.133	-0.005	99	1102814	4.00	3.97	
34 trans-1,2-Dichloroethene	96	6.802	6.806	-0.004	95	364473	4.00	3.94	
35 2-Methylpentane	43	6.813	6.823	-0.010	95	734709	4.00	3.84	
36 Methyl tert-butyl ether	73	6.915	6.945	-0.030	96	842531	4.00	3.92	
37 1,1-Dichloroethane	63	7.250	7.242	0.008	99	552943	4.00	3.81	
38 Vinyl acetate	43	7.358	7.362	-0.004	99	767354	4.00	3.56	
39 2-Butanone (MEK)	72	7.811	7.826	-0.015	97	166469	4.00	3.65	
40 Hexane	56	7.827	7.825	0.002	79	213742	4.00	3.84	
41 Isopropyl ether	45	7.983	8.005	-0.022	93	1047916	4.00	3.80	
42 cis-1,2-Dichloroethene	96	8.253	8.255	-0.002	86	397109	4.00	3.88	
43 Ethyl acetate	43	8.441	8.452	-0.011	97	766293	4.00	3.84	
44 Chloroform	83	8.614	8.609	0.005	93	820059	4.00	3.97	
45 Tert-butyl ethyl ether	59	8.679	8.695	-0.016	95	838799	4.00	4.11	
46 Tetrahydrofuran	42	8.986	9.015	-0.029	92	380757	4.00	3.80	
47 1,1,1-Trichloroethane	97	9.649	9.651	-0.002	95	807502	4.00	3.98	
48 1,2-Dichloroethane	62	9.773	9.774	-0.001	97	423385	4.00	3.90	
49 n-Butanol	31	10.226	10.251	-0.025	86	186242	4.00	3.79	
50 Cyclohexane	69	10.253	10.258	-0.005	89	162816	4.00	3.84	
51 Benzene	78	10.270	10.271	-0.001	94	1124451	4.00	3.92	
52 Carbon tetrachloride	117	10.286	10.287	-0.001	96	851101	4.00	3.89	
53 2,3-Dimethylpentane	71	10.388	10.394	-0.006	90	244202	4.00	4.10	
54 Thiophene	84	10.555	10.553	0.002	92	657325	4.00	3.98	
55 Isooctane	57	11.051	11.054	-0.003	96	1501511	4.00	4.00	
56 n-Heptane	71	11.440	11.444	-0.004	95	375543	4.00	3.96	
57 1,2-Dichloropropane	63	11.531	11.532	-0.001	91	419344	4.00	3.83	
58 Trichloroethene	130	11.569	11.565	0.004	96	582445	4.00	3.89	
59 Dibromomethane	93	11.655	11.657	-0.002	95	589315	4.00	3.87	
60 Dichlorobromomethane	83	11.806	11.803	0.003	97	889757	4.00	4.19	
61 1,4-Dioxane	88	11.801	11.820	-0.019	90	189826	4.00	4.21	
62 Methyl methacrylate	41	11.893	11.902	-0.009	94	469435	4.00	3.79	
63 Methylcyclohexane	83	12.346	12.347	-0.001	94	702499	4.00	4.22	
64 4-Methyl-2-pentanone (MIBK)	43	12.777	12.790	-0.013	98	824531	4.00	3.76	
65 cis-1,3-Dichloropropene	75	12.842	12.849	-0.007	92	666321	4.00	4.20	
66 trans-1,3-Dichloropropene	75	13.586	13.590	-0.004	97	577242	4.00	4.05	
67 Toluene	91	13.704	13.711	-0.007	94	1286353	4.00	3.94	
68 1,1,2-Trichloroethane	83	13.796	13.797	-0.001	93	429469	4.00	3.98	
69 2-Hexanone	58	14.190	14.202	-0.012	89	315372	4.00	4.07	
70 n-Octane	85	14.427	14.431	-0.004	92	360869	4.00	4.09	
71 Chlorodibromomethane	129	14.529	14.532	-0.003	95	1001076	4.00	4.24	
72 Ethylene Dibromide	107	14.831	14.835	-0.004	97	790195	4.00	3.89	
73 Tetrachloroethene	129	14.907	14.907	0.000	95	576265	4.00	3.74	
74 Chlorobenzene	112	15.813	15.813	0.000	97	1125545	4.00	3.85	
75 2,3-Dimethylheptane	43	15.824	15.826	-0.002	95	1205463	4.00	3.92	
76 Ethylbenzene	91	16.104	16.107	-0.003	97	1711407	4.00	3.88	
77 m-Xylene & p-Xylene	91	16.271	16.271	0.000	97	2700465	8.00	7.89	
78 n-Nonane	57	16.692	16.695	-0.003	92	678302	4.00	4.01	
79 Bromoform	173	16.735	16.737	-0.002	95	1150829	4.00	4.34	
80 Styrene	104	16.746	16.747	-0.001	96	1100325	4.00	4.02	
81 o-Xylene	91	16.810	16.807	0.003	99	1407865	4.00	4.03	
82 1,1,2,2-Tetrachloroethane	83	17.139	17.143	-0.004	98	1142273	4.00	4.02	
83 1,2,3-Trichloropropane	110	17.307	17.307	0.000	98	281236	4.00	4.00	

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	17.404	17.403	0.001	95	2082086	4.00	3.87	
85 N-Propylbenzene	120	17.948	17.948	0.000	100	623366	4.00	4.00	
86 2-Chlorotoluene	126	17.991	17.994	-0.003	96	586543	4.00	3.82	
88 4-Ethyltoluene	105	18.094	18.097	-0.003	99	2113342	4.00	4.00	
87 1,3,5-Trimethylbenzene	120	18.169	18.170	-0.001	93	877173	4.00	3.85	
89 Alpha Methyl Styrene	118	18.401	18.402	-0.001	90	831794	4.00	4.11	
90 n-Decane	57	18.455	18.452	0.003	87	872025	4.00	4.10	
91 tert-Butylbenzene	119	18.595	18.596	-0.001	93	1917895	4.00	3.92	
92 1,2,4-Trimethylbenzene	105	18.612	18.609	0.003	95	1869919	4.00	3.99	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	2752607	4.00	3.91	
94 1,3-Dichlorobenzene	146	18.881	18.882	-0.001	97	1261832	4.00	3.83	
95 Benzyl chloride	91	18.962	18.959	0.003	99	1089016	4.00	4.04	
96 1,4-Dichlorobenzene	146	18.973	18.970	0.003	96	1204339	4.00	3.88	
97 4-Isopropyltoluene	119	19.027	19.026	0.001	97	2179023	4.00	3.86	
98 1,2,3-Trimethylbenzene	105	19.081	19.082	-0.001	98	1835877	4.00	4.09	
99 Butylcyclohexane	83	19.129	19.131	-0.002	97	1457325	4.00	4.04	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	92	1849783	4.00	3.95	
101 1,2-Dichlorobenzene	146	19.334	19.331	0.003	98	1293411	4.00	4.07	
103 n-Butylbenzene	91	19.458	19.459	-0.001	97	2088526	4.00	3.90	
102 Indene	116	19.458	19.459	-0.001	82	1417615	4.00	4.20	
104 Undecane	57	19.760	19.761	-0.001	89	985978	4.00	3.88	
105 1,2-Dibromo-3-Chloropropane	157	19.933	19.933	0.000	97	624736	4.00	4.84	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	97	1969304	4.00	3.76	
107 Dodecane	57	20.822	20.824	-0.002	89	760927	4.00	2.86	
108 1,2,4-Trichlorobenzene	180	21.038	21.040	-0.002	93	705416	4.00	4.05	
109 Naphthalene	128	21.184	21.186	-0.002	99	1631833	4.00	3.53	
110 Hexachlorobutadiene	225	21.399	21.397	0.002	95	1431452	4.00	3.70	
111 1,2,3-Trichlorobenzene	180	21.469	21.472	-0.003	96	897102	4.00	3.37	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	98	441521	4.00	1.84	
113 1-Methylnaphthalene	142	22.219	22.221	-0.002	99	645589	4.00	1.78	
A 116 C8 Range	1	14.425	(14.373-14.481)		0	3403798	4.00	3.91	
S 117 Xylenes, Total	100				0		12.0	11.9	
S 118 1,2-Dichloroethene, Total	1				0		8.00	7.82	

Reagents:

40L8DQP_00027

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC08.D

Injection Date: 07-Oct-2021 19:46:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L8

Worklist Smp#: 8

Client ID:

Purge Vol: 500.000 mL

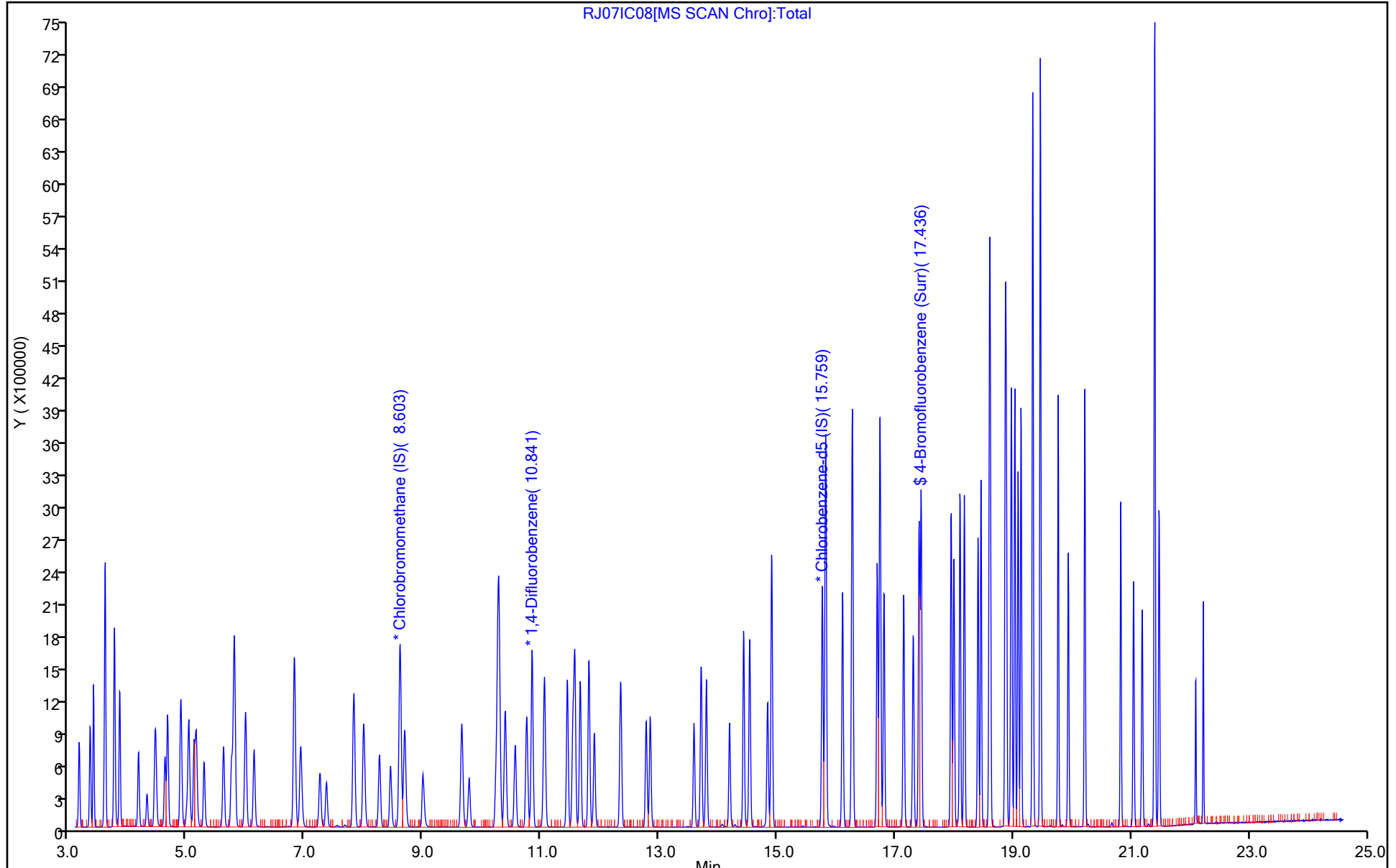
Dil. Factor: 1.0000

ALS Bottle#: 15

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\20211007-20984.b\RJ07IC08.D

Injection Date: 07-Oct-2021 19:46:30

Instrument ID: MR

Lims ID: IC L8

Client ID:

Operator ID: HMT

ALS Bottle#: 15

Worklist Smp#: 8

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

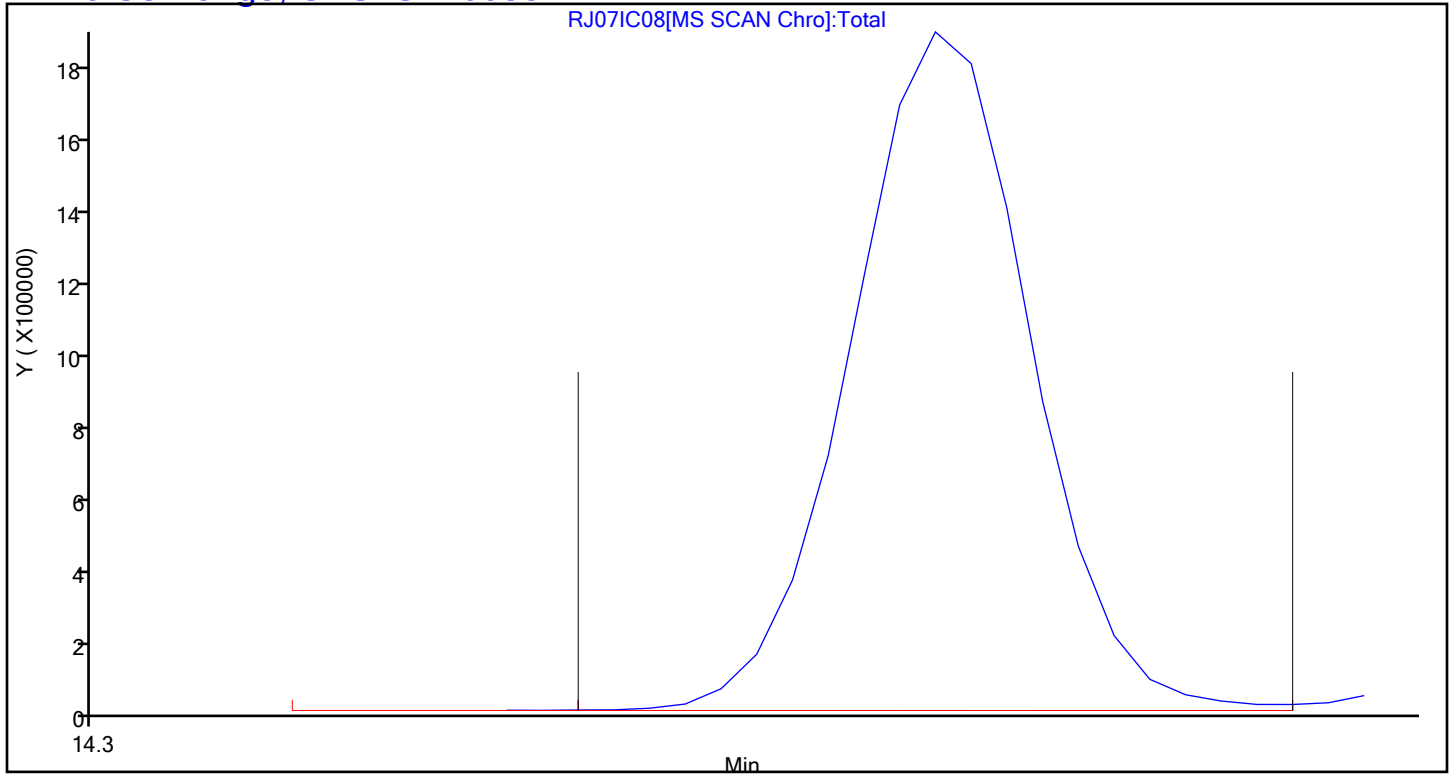
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC01.D
 Lims ID: IC L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 07-Oct-2021 21:16:30 ALS Bottle#: 1 Worklist Smp#: 10
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-010
 Misc. Info.: 427826
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:17 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 10:15:46

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	8.598	8.598	0.000	77	392749	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.841	10.842	-0.001	92	1858672	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.762	-0.003	84	1400957	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.431	17.437	-0.006	95	867238	4.64	4.43	
6 Chlorodifluoromethane	51	3.394	3.359	0.035	58	1543	0.0200	0.0135	
7 Propene	41	3.378	3.362	0.016	37	1399	0.0200	0.0205	
8 Dichlorodifluoromethane	85	3.437	3.417	0.020	66	5835	0.0200	0.0242	
9 Chloromethane	52	3.610	3.600	0.010	57	825	0.0200	0.0371	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.631	3.613	0.018	76	4975	0.0200	0.0231	
12 Vinyl chloride	62	3.799	3.773	0.026	37	1990	0.0200	0.0201	
11 Acetaldehyde	44	3.788	3.769	0.019	92	5718	0.1000	0.1455	
13 Butane	43	3.880	3.860	0.020	31	3759	0.0200	0.0269	
14 Butadiene	54	3.863	3.860	0.003	1	1233	0.0200	0.0208	
15 Bromomethane	94	4.198	4.181	0.017	57	2828	0.0200	0.0220	
16 Chloroethane	64	4.332	4.324	0.008	57	1663	0.0200	0.0327	
17 Ethanol	31	4.483	4.459	0.024	95	14366	0.1000	0.2326	
18 Vinyl bromide	106	4.634	4.624	0.010	68	2170	0.0200	0.0170	
19 2-Methylbutane	43	4.683	4.672	0.011	67	2957	0.0200	0.0244	
20 Trichlorofluoromethane	101	4.904	4.894	0.010	64	5188	0.0200	0.0202	
21 Acrolein	56	4.953	4.921	0.032	1	987	0.0200	0.0389	
22 Acetonitrile	40	5.077	5.010	0.067	21	494	0.0200	0.0140	
23 Acetone	58	5.082	5.040	0.042	98	7791	0.0600	0.2151	
25 Pentane	72	5.141	5.123	0.018	34	409	0.0200	0.0349	
24 Isopropyl alcohol	45	5.195	5.155	0.040	62	8148	0.0600	0.0733	
26 Ethyl ether	31	5.244	5.291	-0.047	6	97	0.0200	0.000847	
27 1,1-Dichloroethene	96	5.632	5.617	0.015	44	2319	0.0200	0.0235	
29 Acrylonitrile	53	5.761	5.748	0.013	76	1871	0.0200	0.0377	
28 2-Methyl-2-propanol	59	5.842	5.773	0.069	46	2829	0.0200	0.0229	
30 112TCTFE	101	5.805	5.800	0.005	88	4511	0.0200	0.0210	
31 Methylene Chloride	84	5.988	5.980	0.008	80	3589	0.0200	0.0386	

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	5.999	5.995	0.004	72	3622	0.0200	-0.002311	
33 Carbon disulfide	76	6.150	6.133	0.017	95	6255	0.0200	0.0219	
34 trans-1,2-Dichloroethene	96	6.813	6.806	0.007	31	2466	0.0200	0.0259	
35 2-Methylpentane	43	6.835	6.823	0.012	35	2271	0.0200	0.0115	
36 Methyl tert-butyl ether	73	6.991	6.945	0.046	49	5263	0.0200	0.0238	
37 1,1-Dichloroethane	63	7.239	7.242	-0.003	9	1885	0.0200	0.0126	
38 Vinyl acetate	43	7.374	7.362	0.012	82	4849	0.0200	0.0219	
39 2-Butanone (MEK)	72	7.854	7.826	0.028	93	1849	0.0200	0.0394	
40 Hexane	56	7.821	7.825	-0.004	53	1226	0.0200	0.0214	
41 Isopropyl ether	45	8.042	8.005	0.037	81	6493	0.0200	0.0229	
42 cis-1,2-Dichloroethene	96	8.264	8.255	0.009	3	2274	0.0200	0.0216	
43 Ethyl acetate	43	8.479	8.452	0.027	48	6179	0.0200	0.0301	
44 Chloroform	83	8.609	8.609	0.000	33	5012	0.0200	0.0236	
46 Tetrahydrofuran	42	9.056	9.015	0.041	78	3491	0.0200	0.0339	
47 1,1,1-Trichloroethane	97	9.644	9.651	-0.007	3	3003	0.0200	0.0144	
48 1,2-Dichloroethane	62	9.773	9.774	-0.001	35	3000	0.0200	0.0259	
49 n-Butanol	31	10.307	10.251	0.056	30	2869	0.0200	0.0547	
50 Cyclohexane	69	10.259	10.258	0.001	49	926	0.0200	0.0205	
51 Benzene	78	10.269	10.271	-0.002	93	6886	0.0200	0.0225	
52 Carbon tetrachloride	117	10.280	10.287	-0.007	70	4373	0.0200	0.0205	
53 2,3-Dimethylpentane	71	10.388	10.394	-0.006	46	1360	0.0200	0.0214	
54 Thiophene	84	10.550	10.553	-0.003	12	4046	0.0200	0.0229	
55 Isooctane	57	11.046	11.054	-0.008	89	8758	0.0200	0.0219	
56 n-Heptane	71	11.445	11.444	0.001	73	2621	0.0200	0.0259	
57 1,2-Dichloropropane	63	11.526	11.532	-0.006	41	2967	0.0200	0.0254	
58 Trichloroethene	130	11.553	11.565	-0.012	90	3077	0.0200	0.0193	
59 Dibromomethane	93	11.650	11.657	-0.007	88	3855	0.0200	0.0237	
61 1,4-Dioxane	88	11.849	11.820	0.029	31	2265	0.0200	0.0471	
60 Dichlorobromomethane	83	11.796	11.803	-0.007	47	5212	0.0200	0.0230	
62 Methyl methacrylate	41	11.909	11.902	0.007	32	4435	0.0200	0.0335	
63 Methylcyclohexane	83	12.335	12.347	-0.012	77	3625	0.0200	0.0204	
64 4-Methyl-2-pentanone (MIBK)	43	12.809	12.790	0.019	80	6055	0.0200	0.0259	
65 cis-1,3-Dichloropropene	75	12.847	12.849	-0.002	40	3884	0.0200	0.0229	
66 trans-1,3-Dichloropropene	75	13.580	13.590	-0.010	60	3406	0.0200	0.0249	
67 Toluene	91	13.715	13.711	0.004	87	11351	0.0200	0.0362	
68 1,1,2-Trichloroethane	83	13.785	13.797	-0.012	82	3606	0.0200	0.0347	
69 2-Hexanone	58	14.227	14.202	0.025	19	1700	0.0200	0.0228	
70 n-Octane	85	14.416	14.431	-0.015	89	2061	0.0200	0.0243	
71 Chlorodibromomethane	129	14.529	14.532	-0.003	89	4324	0.0200	0.0191	
72 Ethylene Dibromide	107	14.821	14.835	-0.014	26	5457	0.0200	0.0279	
73 Tetrachloroethene	129	14.902	14.907	-0.005	92	3925	0.0200	0.0265	
74 Chlorobenzene	112	15.813	15.813	0.000	90	9409	0.0200	0.0335	
75 2,3-Dimethylheptane	43	15.829	15.826	0.003	89	7545	0.0200	0.0255	
76 Ethylbenzene	91	16.099	16.107	-0.008	92	11838	0.0200	0.0279	
77 m-Xylene & p-Xylene	91	16.271	16.271	0.000	95	19273	0.0400	0.0586	
78 n-Nonane	57	16.697	16.695	0.002	83	3653	0.0200	0.0225	
79 Bromoform	173	16.730	16.737	-0.007	62	3870	0.0200	0.0563	
80 Styrene	104	16.746	16.747	-0.001	92	6104	0.0200	0.0232	
81 o-Xylene	91	16.800	16.807	-0.007	94	10941	0.0200	0.0326	
82 1,1,2,2-Tetrachloroethane	83	17.145	17.143	0.002	95	7202	0.0200	0.0264	
83 1,2,3-Trichloropropane	110	17.312	17.307	0.005	92	1573	0.0200	0.0233	
84 Isopropylbenzene	105	17.398	17.403	-0.005	86	16220	0.0200	0.0313	

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	17.948	17.948	0.000	98	3175	0.0200	0.0212	
86 2-Chlorotoluene	126	17.997	17.994	0.003	90	4513	0.0200	0.0306	
88 4-Ethyltoluene	105	18.094	18.097	-0.003	97	13843	0.0200	0.0272	
87 1,3,5-Trimethylbenzene	120	18.169	18.170	-0.001	91	6635	0.0200	0.0303	
89 Alpha Methyl Styrene	118	18.401	18.402	-0.001	87	3916	0.0200	0.0201	
90 n-Decane	57	18.450	18.452	-0.002	87	3859	0.0200	0.0189	
91 tert-Butylbenzene	119	18.595	18.596	-0.001	86	11986	0.0200	0.0255	
92 1,2,4-Trimethylbenzene	105	18.606	18.609	-0.003	93	12425	0.0200	0.0276	
93 sec-Butylbenzene	105	18.865	18.865	0.000	97	16686	0.0200	0.0247	
94 1,3-Dichlorobenzene	146	18.876	18.882	-0.006	88	8985	0.0200	0.0284	
95 Benzyl chloride	91	18.957	18.959	-0.002	79	5425	0.0200	0.0495	
96 1,4-Dichlorobenzene	146	18.967	18.970	-0.003	81	8177	0.0200	0.0274	
97 4-Isopropyltoluene	119	19.021	19.026	-0.005	95	11215	0.0200	0.0207	
98 1,2,3-Trimethylbenzene	105	19.075	19.082	-0.007	90	8020	0.0200	0.0186	
99 Butylcyclohexane	83	19.129	19.131	-0.002	90	6717	0.0200	0.0194	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	87	10411	0.0200	0.0232	
101 1,2-Dichlorobenzene	146	19.334	19.331	0.003	85	10091	0.0200	0.0330	
103 n-Butylbenzene	91	19.463	19.459	0.004	94	12485	0.0200	0.0242	
102 Indene	116	19.453	19.459	-0.006	70	6595	0.0200	0.0203	
104 Undecane	57	19.765	19.761	0.004	89	4637	0.0200	0.0190	
105 1,2-Dibromo-3-Chloropropane	157	19.927	19.933	-0.006	88	4307	0.0200	0.0347	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	95	10742	0.0200	0.0214	
107 Dodecane	57	20.828	20.824	0.004	83	4906	0.0200	0.0192	
108 1,2,4-Trichlorobenzene	180	21.043	21.040	0.003	92	8796	0.0200	0.0525	
109 Naphthalene	128	21.184	21.186	-0.002	98	17212	0.0200	0.0387	
110 Hexachlorobutadiene	225	21.394	21.397	-0.003	91	9839	0.0200	0.0265	
111 1,2,3-Trichlorobenzene	180	21.469	21.472	-0.003	93	9899	0.0200	0.0387	
112 2-Methylnaphthalene	142	22.100	22.095	0.005	91	7090	0.0200	0.0308	
113 1-Methylnaphthalene	142	22.224	22.221	0.003	93	11917	0.0200	0.0342	
A 116 C8 Range	1	14.432	(14.405-14.459)		0	28246	0.0200	0.0304	
S 117 Xylenes, Total	100				0		0.0600	0.0912	
S 118 1,2-Dichloroethene, Total	1				0		0.0400	0.0475	

Reagents:

40L1-3DQP_00048
40MXISSUR_00001

Amount Added: 50.00
Amount Added: 40.00

Units: mL
Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC01.D

Injection Date: 07-Oct-2021 21:16:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L1

Worklist Smp#: 10

Client ID:

Purge Vol: 500.000 mL

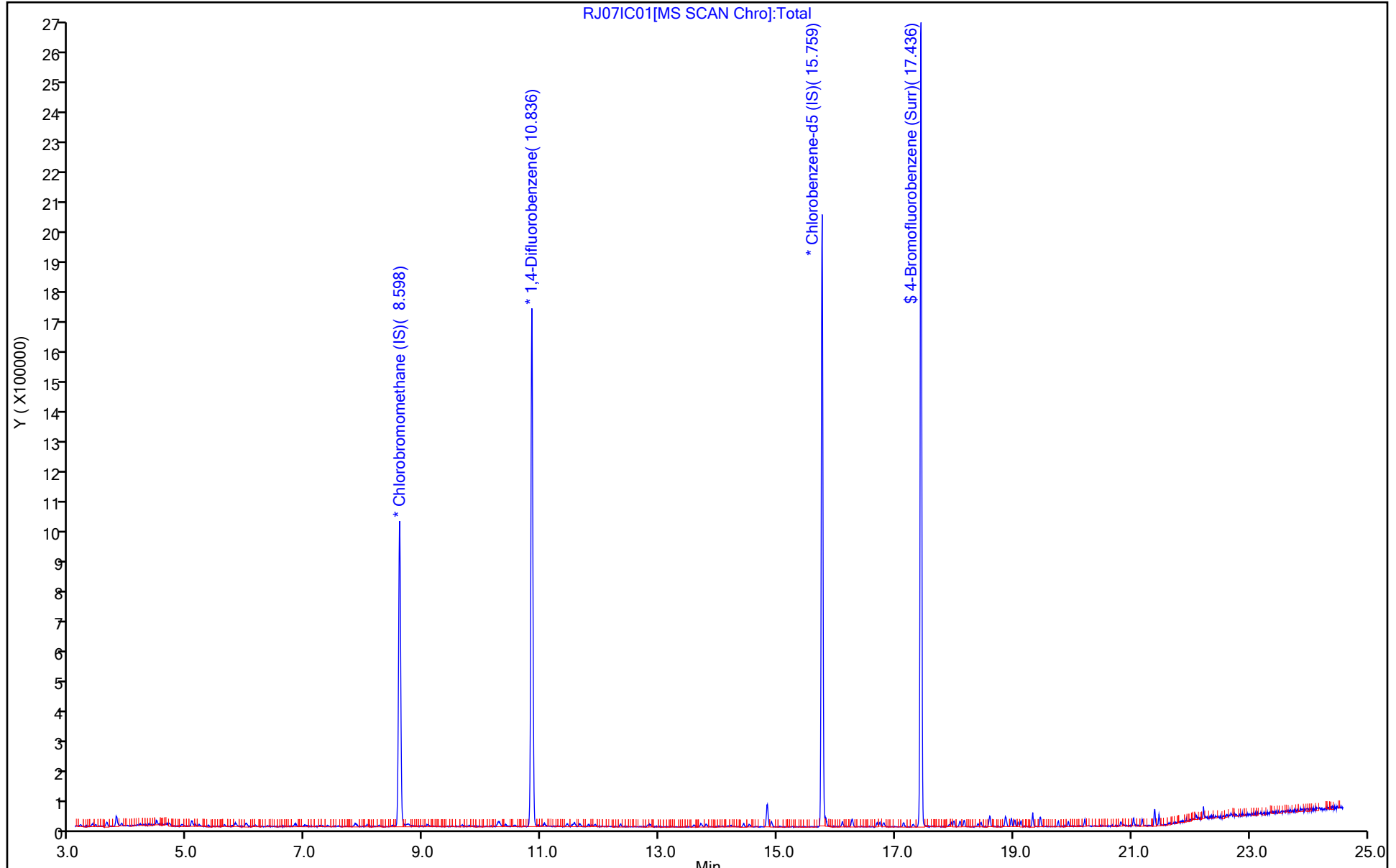
Dil. Factor: 1.0000

ALS Bottle#: 1

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\20211007-20984.b\RJ07IC01.D

Injection Date: 07-Oct-2021 21:16:30

Instrument ID: MR

Lims ID: IC L1

Client ID:

Operator ID: HMT

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

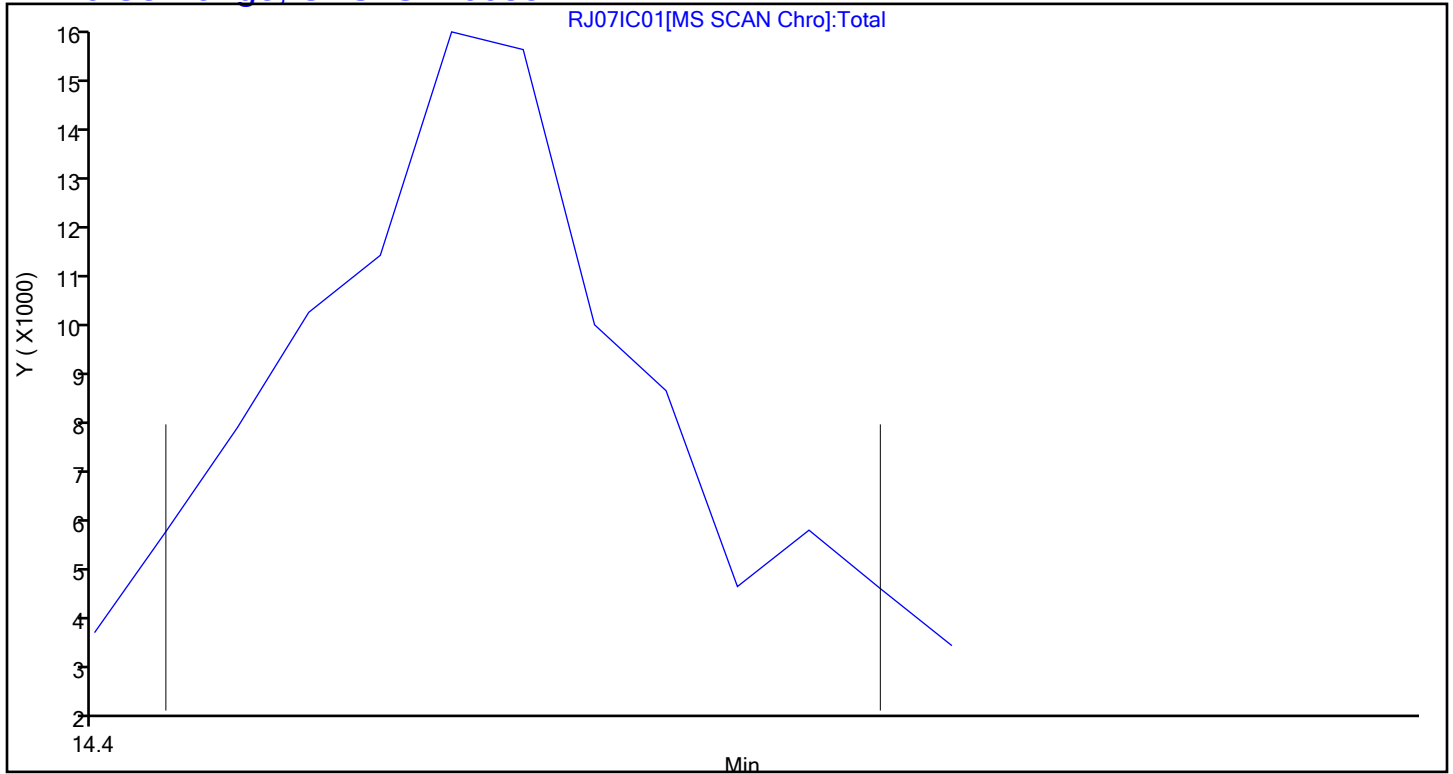
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC02.D
 Lims ID: IC L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 07-Oct-2021 21:59:30 ALS Bottle#: 1 Worklist Smp#: 11
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-011
 Misc. Info.: 427826
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:22 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 06:48:51

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	8.582	8.598	-0.016	80	336243	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.830	10.842	-0.012	93	1550355	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.762	-0.003	84	1271956	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.437	-0.001	96	788935	4.64	4.44	
7 Propene	41	3.351	3.362	-0.011	83	3663	0.0400	0.0626	
6 Chlorodifluoromethane	51	3.351	3.359	-0.008	93	3071	0.0400	0.0315	
8 Dichlorodifluoromethane	85	3.400	3.417	-0.017	93	8594	0.0400	0.0417	
9 Chloromethane	52	3.599	3.600	-0.001	41	1138	0.0400	0.0597	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.599	3.613	-0.014	88	8318	0.0400	0.0451	
11 Acetaldehyde	44	3.750	3.769	-0.019	85	22473	0.2000	0.6680	
12 Vinyl chloride	62	3.761	3.773	-0.012	38	4380	0.0400	0.0517	
14 Butadiene	54	3.853	3.860	-0.008	72	2192	0.0400	0.0432	
13 Butane	43	3.842	3.860	-0.018	79	6215	0.0400	0.0519	
15 Bromomethane	94	4.171	4.181	-0.010	92	6187	0.0400	0.0563	
16 Chloroethane	64	4.311	4.324	-0.013	61	1914	0.0400	0.0440	
17 Ethanol	31	4.424	4.459	-0.035	96	28806	0.2000	0.5448	
18 Vinyl bromide	106	4.607	4.624	-0.017	82	4997	0.0400	0.0457	
19 2-Methylbutane	43	4.656	4.672	-0.016	66	6921	0.0400	0.0668	
20 Trichlorofluoromethane	101	4.872	4.894	-0.022	93	11671	0.0400	0.0531	
21 Acrolein	56	4.920	4.921	-0.001	32	1017	0.0400	0.0468	
22 Acetonitrile	40	4.974	5.010	-0.036	54	2037	0.0400	0.0676	
23 Acetone	58	5.023	5.040	-0.017	97	14770	0.1200	0.4762	
24 Isopropyl alcohol	45	5.125	5.155	-0.030	65	13609	0.1200	0.1430	
26 Ethyl ether	31	5.298	5.291	0.007	68	5189	0.0400	0.0529	
27 1,1-Dichloroethene	96	5.600	5.617	-0.017	97	4251	0.0400	0.0502	
29 Acrylonitrile	53	5.734	5.748	-0.014	74	2381	0.0400	0.0561	
30 112TCTFE	101	5.788	5.800	-0.012	87	8566	0.0400	0.0466	
28 2-Methyl-2-propanol	59	5.772	5.773	-0.001	72	5557	0.0400	0.0526	
31 Methylene Chloride	84	5.961	5.980	-0.019	85	3967	0.0400	0.0498	
32 3-Chloro-1-propene	39	5.982	5.995	-0.013	83	5207	0.0400	0.0289	

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	6.117	6.133	-0.016	97	12410	0.0400	0.0508	
34 trans-1,2-Dichloroethene	96	6.781	6.806	-0.025	75	3393	0.0400	0.0417	
35 2-Methylpentane	43	6.813	6.823	-0.010	86	7465	0.0400	0.0443	
36 Methyl tert-butyl ether	73	6.948	6.945	0.003	68	9353	0.0400	0.0495	
37 1,1-Dichloroethane	63	7.217	7.242	-0.025	45	5246	0.0400	0.0410	
38 Vinyl acetate	43	7.341	7.362	-0.021	97	8156	0.0400	0.0431	
40 Hexane	56	7.794	7.825	-0.031	60	2210	0.0400	0.0451	
39 2-Butanone (MEK)	72	7.821	7.826	-0.005	89	2359	0.0400	0.0587	
41 Isopropyl ether	45	8.010	8.005	0.005	90	10656	0.0400	0.0439	
42 cis-1,2-Dichloroethene	96	8.237	8.255	-0.019	80	3768	0.0400	0.0418	
43 Ethyl acetate	43	8.441	8.452	-0.011	60	9673	0.0400	0.0550	
44 Chloroform	83	8.587	8.609	-0.022	29	7851	0.0400	0.0432	
45 Tert-butyl ethyl ether	59	8.706	8.695	0.011	75	5295	0.0400	0.0295	
46 Tetrahydrofuran	42	9.024	9.015	0.009	76	1551	0.0400	0.0176	
47 1,1,1-Trichloroethane	97	9.633	9.651	-0.018	93	8935	0.0400	0.0500	
48 1,2-Dichloroethane	62	9.763	9.774	-0.011	36	4463	0.0400	0.0462	
50 Cyclohexane	69	10.253	10.258	-0.005	67	1512	0.0400	0.0400	
51 Benzene	78	10.259	10.271	-0.012	91	13678	0.0400	0.0536	
52 Carbon tetrachloride	117	10.275	10.287	-0.012	73	6571	0.0400	0.0370	
49 n-Butanol	31	10.259	10.251	0.008	57	4655	0.0400	0.1064	
53 2,3-Dimethylpentane	71	10.399	10.394	0.005	2	1244	0.0400	0.0235	
54 Thiophene	84	10.539	10.553	-0.014	85	5851	0.0400	0.0398	
55 Isooctane	57	11.046	11.054	-0.008	94	15816	0.0400	0.0474	
56 n-Heptane	71	11.434	11.444	-0.010	90	3526	0.0400	0.0418	
57 1,2-Dichloropropane	63	11.520	11.532	-0.012	64	4426	0.0400	0.0454	
58 Trichloroethene	130	11.553	11.565	-0.012	92	6675	0.0400	0.0501	
59 Dibromomethane	93	11.650	11.657	-0.007	92	6567	0.0400	0.0485	
60 Dichlorobromomethane	83	11.790	11.803	-0.013	94	9614	0.0400	0.0509	
61 1,4-Dioxane	88	11.828	11.820	0.008	46	3945	0.0400	0.0984	
62 Methyl methacrylate	41	11.898	11.902	-0.004	80	7253	0.0400	0.0657	
63 Methylcyclohexane	83	12.335	12.347	-0.012	83	6035	0.0400	0.0407	
64 4-Methyl-2-pentanone (MIBK)	43	12.788	12.790	-0.002	82	8653	0.0400	0.0444	
65 cis-1,3-Dichloropropene	75	12.836	12.849	-0.013	51	5712	0.0400	0.0404	
66 trans-1,3-Dichloropropene	75	13.591	13.590	0.001	53	4725	0.0400	0.0380	
67 Toluene	91	13.699	13.711	-0.012	92	13775	0.0400	0.0484	
68 1,1,2-Trichloroethane	83	13.785	13.797	-0.012	89	4911	0.0400	0.0521	
69 2-Hexanone	58	14.206	14.202	0.004	50	2736	0.0400	0.0404	
70 n-Octane	85	14.432	14.431	0.001	83	3298	0.0400	0.0429	
71 Chlorodibromomethane	129	14.529	14.532	-0.003	89	6299	0.0400	0.0306	
72 Ethylene Dibromide	107	14.831	14.835	-0.004	24	7931	0.0400	0.0447	
73 Tetrachloroethene	129	14.901	14.907	-0.006	80	6285	0.0400	0.0467	
74 Chlorobenzene	112	15.807	15.813	-0.006	98	12955	0.0400	0.0508	
75 2,3-Dimethylheptane	43	15.829	15.826	0.003	94	10942	0.0400	0.0408	
76 Ethylbenzene	91	16.104	16.107	-0.003	99	18126	0.0400	0.0471	
77 m-Xylene & p-Xylene	91	16.266	16.271	-0.005	94	26655	0.0800	0.0892	
78 n-Nonane	57	16.697	16.695	0.002	90	6168	0.0400	0.0418	
79 Bromoform	173	16.735	16.737	-0.002	75	4018	0.0400	0.0585	
80 Styrene	104	16.740	16.747	-0.007	95	8770	0.0400	0.0367	
81 o-Xylene	91	16.810	16.807	0.003	97	13450	0.0400	0.0441	
82 1,1,2,2-Tetrachloroethane	83	17.139	17.143	-0.004	96	11642	0.0400	0.0469	
83 1,2,3-Trichloropropane	110	17.306	17.307	-0.001	93	2553	0.0400	0.0416	
84 Isopropylbenzene	105	17.398	17.403	-0.005	88	21395	0.0400	0.0455	

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	17.943	17.948	-0.005	96	5223	0.0400	0.0384	
86 2-Chlorotoluene	126	17.991	17.994	-0.003	91	6839	0.0400	0.0511	
88 4-Ethyltoluene	105	18.094	18.097	-0.003	94	20259	0.0400	0.0439	
87 1,3,5-Trimethylbenzene	120	18.169	18.170	-0.001	94	8799	0.0400	0.0442	
89 Alpha Methyl Styrene	118	18.396	18.402	-0.006	90	6266	0.0400	0.0355	
90 n-Decane	57	18.450	18.452	-0.002	81	7175	0.0400	0.0387	
91 tert-Butylbenzene	119	18.601	18.596	0.005	88	20113	0.0400	0.0472	
92 1,2,4-Trimethylbenzene	105	18.606	18.609	-0.003	94	19807	0.0400	0.0485	
93 sec-Butylbenzene	105	18.865	18.865	0.000	97	26248	0.0400	0.0427	
94 1,3-Dichlorobenzene	146	18.881	18.882	-0.001	94	13599	0.0400	0.0473	
95 Benzyl chloride	91	18.957	18.959	-0.002	97	10167	0.0400	0.0716	
96 1,4-Dichlorobenzene	146	18.967	18.970	-0.003	95	12241	0.0400	0.0453	
97 4-Isopropyltoluene	119	19.021	19.026	-0.005	97	21890	0.0400	0.0444	
98 1,2,3-Trimethylbenzene	105	19.086	19.082	0.004	98	16370	0.0400	0.0418	
99 Butylcyclohexane	83	19.134	19.131	0.003	95	12987	0.0400	0.0412	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	88	16903	0.0400	0.0414	
101 1,2-Dichlorobenzene	146	19.329	19.331	-0.002	86	13079	0.0400	0.0471	
102 Indene	116	19.458	19.459	-0.001	76	12067	0.0400	0.0409	
103 n-Butylbenzene	91	19.458	19.459	-0.001	95	18069	0.0400	0.0387	
104 Undecane	57	19.760	19.761	-0.001	85	8772	0.0400	0.0395	
105 1,2-Dibromo-3-Chloropropane	157	19.938	19.933	0.005	83	3804	0.0400	0.0338	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	96	19072	0.0400	0.0418	
107 Dodecane	57	20.828	20.824	0.004	83	10034	0.0400	0.0431	
108 1,2,4-Trichlorobenzene	180	21.038	21.040	-0.002	90	7987	0.0400	0.0525	
109 Naphthalene	128	21.184	21.186	-0.002	98	17407	0.0400	0.0432	
110 Hexachlorobutadiene	225	21.394	21.397	-0.003	92	15581	0.0400	0.0462	
111 1,2,3-Trichlorobenzene	180	21.469	21.472	-0.003	94	12856	0.0400	0.0554	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	90	9645	0.0400	0.0461	
113 1-Methylnaphthalene	142	22.219	22.221	-0.002	96	18584	0.0400	0.0588	
A 116 C8 Range	1	14.427	(14.395-14.459)		0	39630	0.0400	0.0511	
S 117 Xylenes, Total	100				0		0.1200	0.1333	
S 118 1,2-Dichloroethene, Total	1				0		0.0800	0.0835	

Reagents:

40L1-3DQP_00048
40MXISSUR_00001

Amount Added: 100.00
Amount Added: 40.00

Units: mL
Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC02.D

Injection Date: 07-Oct-2021 21:59:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L2

Worklist Smp#: 11

Client ID:

Purge Vol: 500.000 mL

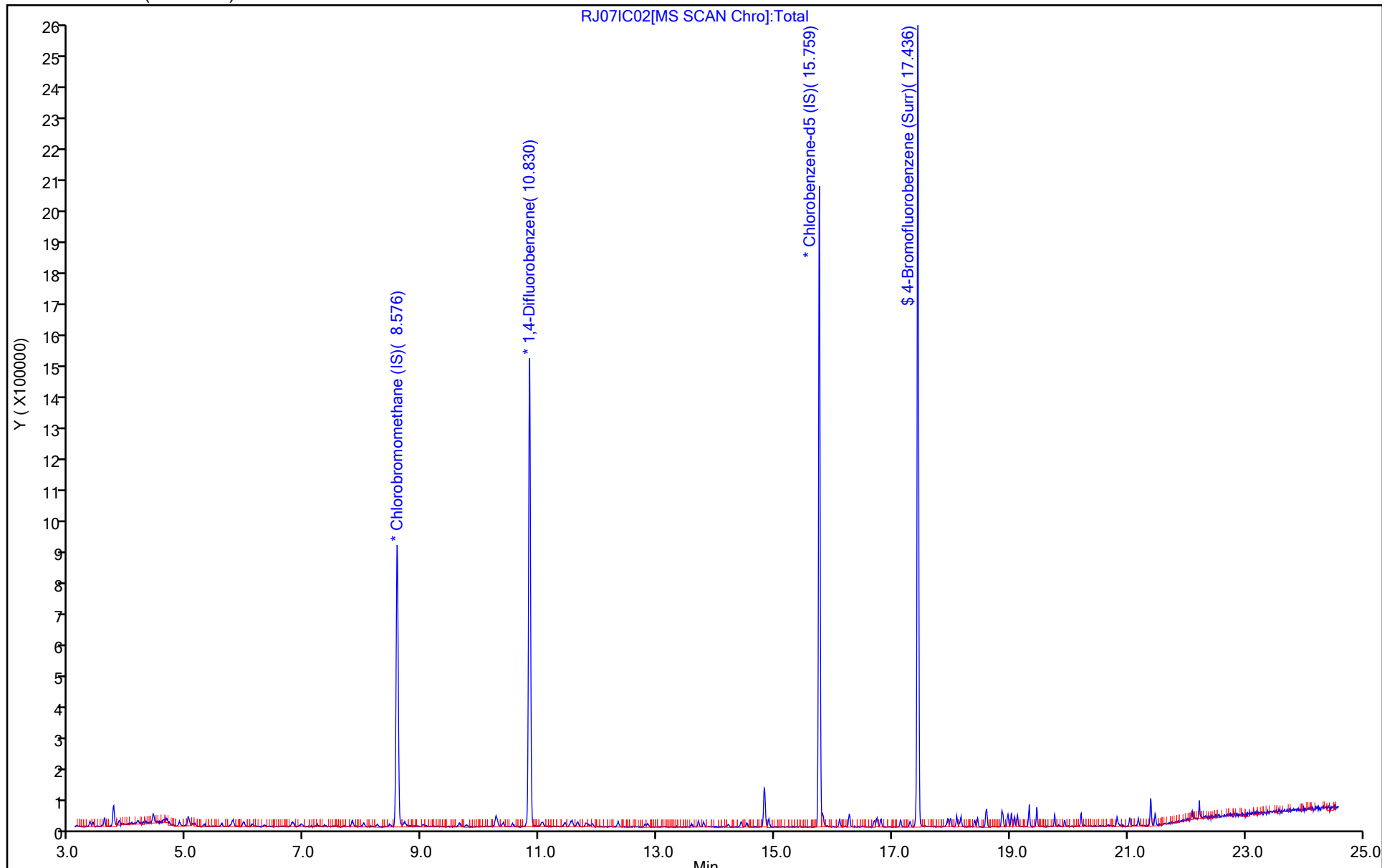
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



RJ07IC02[MS SCAN Chro]:Total

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC02.D

Injection Date: 07-Oct-2021 21:59:30 Instrument ID: MR

Lims ID: IC L2

Client ID:

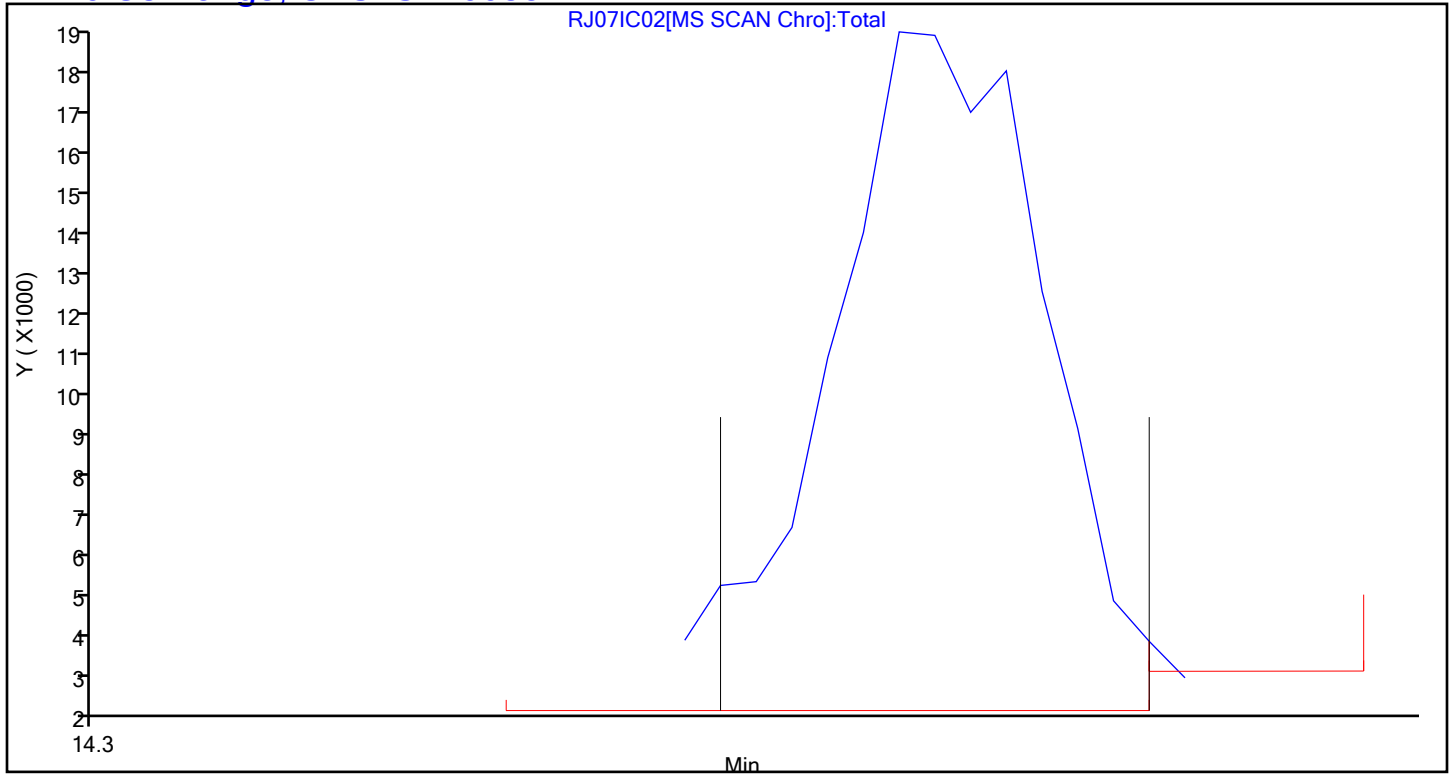
Operator ID: HMT ALS Bottle#: 1 Worklist Smp#: 11

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

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC03.D
 Lims ID: IC L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 07-Oct-2021 22:44:30 ALS Bottle#: 1 Worklist Smp#: 12
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-012
 Misc. Info.: 427826
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:27 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 08:52:39

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	8.598	8.598	0.000	80	318505	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.841	10.842	-0.001	93	1518614	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.762	-0.003	84	1182247	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.437	-0.001	95	729014	4.64	4.41	
6 Chlorodifluoromethane	51	3.373	3.359	0.014	94	7889	0.0800	0.0853	
7 Propene	41	3.383	3.362	0.021	90	5995	0.0800	0.1081	
8 Dichlorodifluoromethane	85	3.432	3.417	0.015	97	17285	0.0800	0.0885	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.621	3.613	0.008	91	12105	0.0800	0.0693	
9 Chloromethane	52	3.610	3.600	0.010	79	2076	0.0800	0.1151	
11 Acetaldehyde	44	3.782	3.769	0.013	86	40348	0.4000	1.27	
12 Vinyl chloride	62	3.782	3.773	0.009	38	6525	0.0800	0.0814	
13 Butane	43	3.874	3.860	0.014	85	10434	0.0800	0.0919	
14 Butadiene	54	3.869	3.860	0.009	62	4132	0.0800	0.0861	
15 Bromomethane	94	4.198	4.181	0.017	97	9752	0.0800	0.0936	
16 Chloroethane	64	4.338	4.324	0.014	70	4665	0.0800	0.1132	
17 Ethanol	31	4.456	4.459	-0.003	97	44727	0.4000	0.8931	
18 Vinyl bromide	106	4.629	4.624	0.005	97	8809	0.0800	0.0850	
19 2-Methylbutane	43	4.683	4.672	0.011	92	8202	0.0800	0.0836	
20 Trichlorofluoromethane	101	4.899	4.894	0.005	93	18099	0.0800	0.0869	
21 Acrolein	56	4.931	4.921	0.010	40	2972	0.0800	0.1444	
22 Acetonitrile	40	5.060	5.010	0.050	26	1727	0.0800	0.0605	
23 Acetone	58	5.060	5.040	0.020	99	23092	0.2400	0.7860	
25 Pentane	72	5.114	5.123	-0.009	1	450	0.0800	0.0473	
24 Isopropyl alcohol	45	5.168	5.155	0.013	90	23211	0.2400	0.2574	
26 Ethyl ether	31	5.325	5.291	0.034	86	9122	0.0800	0.0983	
27 1,1-Dichloroethene	96	5.627	5.617	0.010	83	7103	0.0800	0.0886	
29 Acrylonitrile	53	5.740	5.748	-0.008	32	4686	0.0800	0.1165	
28 2-Methyl-2-propanol	59	5.794	5.773	0.021	63	8739	0.0800	0.0873	
30 112TCTFE	101	5.805	5.800	0.005	94	15495	0.0800	0.0890	
31 Methylene Chloride	84	5.988	5.980	0.008	79	7163	0.0800	0.0949	

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	5.999	5.995	0.004	92	9689	0.0800	0.1034	
33 Carbon disulfide	76	6.134	6.133	0.001	98	20578	0.0800	0.0889	
34 trans-1,2-Dichloroethene	96	6.808	6.806	0.002	91	6002	0.0800	0.0778	
35 2-Methylpentane	43	6.829	6.823	0.006	84	13757	0.0800	0.0862	
36 Methyl tert-butyl ether	73	6.969	6.945	0.024	93	15036	0.0800	0.0840	
37 1,1-Dichloroethane	63	7.239	7.242	-0.003	96	11104	0.0800	0.0917	
38 Vinyl acetate	43	7.374	7.362	0.012	99	15953	0.0800	0.0889	
40 Hexane	56	7.838	7.825	0.013	64	4262	0.0800	0.0919	
39 2-Butanone (MEK)	72	7.838	7.826	0.012	88	6187	0.0800	0.1626	
41 Isopropyl ether	45	8.026	8.005	0.021	93	19339	0.0800	0.0841	
42 cis-1,2-Dichloroethene	96	8.253	8.255	-0.002	87	7286	0.0800	0.0854	
43 Ethyl acetate	43	8.468	8.452	0.016	95	14550	0.0800	0.0874	
44 Chloroform	83	8.598	8.609	-0.011	29	13658	0.0800	0.0793	
45 Tert-butyl ethyl ether	59	8.716	8.695	0.021	88	13898	0.0800	0.0817	
46 Tetrahydrofuran	42	9.045	9.015	0.030	90	5853	0.0800	0.0701	
47 1,1,1-Trichloroethane	97	9.655	9.651	0.004	94	13555	0.0800	0.0801	
48 1,2-Dichloroethane	62	9.773	9.774	-0.001	96	7553	0.0800	0.0798	
50 Cyclohexane	69	10.248	10.258	-0.010	72	3985	0.0800	0.1077	
51 Benzene	78	10.269	10.271	-0.002	92	20193	0.0800	0.0807	
49 n-Butanol	31	10.275	10.251	0.024	59	8970	0.0800	0.2093	
52 Carbon tetrachloride	117	10.280	10.287	-0.007	86	13713	0.0800	0.0787	
53 2,3-Dimethylpentane	71	10.399	10.394	0.005	84	3986	0.0800	0.0768	
54 Thiophene	84	10.544	10.553	-0.009	89	11532	0.0800	0.0800	
55 Isooctane	57	11.057	11.054	0.003	95	25255	0.0800	0.0773	
56 n-Heptane	71	11.450	11.444	0.006	91	6038	0.0800	0.0731	
57 1,2-Dichloropropane	63	11.531	11.532	-0.001	71	7398	0.0800	0.0775	
58 Trichloroethene	130	11.569	11.565	0.004	93	10477	0.0800	0.0803	
59 Dibromomethane	93	11.661	11.657	0.004	91	11319	0.0800	0.0853	
60 Dichlorobromomethane	83	11.801	11.803	-0.002	95	12945	0.0800	0.0700	
61 1,4-Dioxane	88	11.828	11.820	0.008	39	4843	0.0800	0.1233	
62 Methyl methacrylate	41	11.909	11.902	0.007	87	9545	0.0800	0.0883	
63 Methylcyclohexane	83	12.340	12.347	-0.007	87	10428	0.0800	0.0718	
64 4-Methyl-2-pentanone (MIBK)	43	12.804	12.790	0.014	95	15947	0.0800	0.0834	
65 cis-1,3-Dichloropropene	75	12.847	12.849	-0.002	90	9992	0.0800	0.0722	
66 trans-1,3-Dichloropropene	75	13.580	13.590	-0.010	93	10042	0.0800	0.0870	
67 Toluene	91	13.710	13.711	-0.001	93	22316	0.0800	0.0844	
68 1,1,2-Trichloroethane	83	13.796	13.797	-0.001	90	7130	0.0800	0.0814	
69 2-Hexanone	58	14.201	14.202	-0.002	91	4765	0.0800	0.0758	
70 n-Octane	85	14.432	14.431	0.001	89	5455	0.0800	0.0763	
71 Chlorodibromomethane	129	14.529	14.532	-0.003	95	13133	0.0800	0.0686	
72 Ethylene Dibromide	107	14.831	14.835	-0.004	23	12661	0.0800	0.0768	
73 Tetrachloroethene	129	14.902	14.907	-0.005	92	9267	0.0800	0.0742	
74 Chlorobenzene	112	15.807	15.813	-0.006	91	19850	0.0800	0.0837	
75 2,3-Dimethylheptane	43	15.824	15.826	-0.002	90	17224	0.0800	0.0691	
76 Ethylbenzene	91	16.109	16.107	0.002	98	28562	0.0800	0.0798	
77 m-Xylene & p-Xylene	91	16.271	16.271	0.000	96	40777	0.1600	0.1468	
78 n-Nonane	57	16.692	16.695	-0.003	91	10485	0.0800	0.0765	
79 Bromoform	173	16.740	16.737	0.003	76	8880	0.0800	0.0822	
80 Styrene	104	16.746	16.747	-0.001	96	16001	0.0800	0.0720	
81 o-Xylene	91	16.800	16.807	-0.007	98	23409	0.0800	0.0826	
82 1,1,2,2-Tetrachloroethane	83	17.145	17.143	0.002	95	17651	0.0800	0.0766	
83 1,2,3-Trichloropropane	110	17.301	17.307	-0.006	94	4441	0.0800	0.0779	

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	17.404	17.403	0.001	95	33962	0.0800	0.0778	
85 N-Propylbenzene	120	17.948	17.948	0.000	99	9316	0.0800	0.0737	
86 2-Chlorotoluene	126	17.991	17.994	-0.003	96	10799	0.0800	0.0868	
88 4-Ethyltoluene	105	18.099	18.097	0.002	98	30730	0.0800	0.0717	
87 1,3,5-Trimethylbenzene	120	18.169	18.170	-0.001	95	15340	0.0800	0.0830	
89 Alpha Methyl Styrene	118	18.401	18.402	-0.001	90	11141	0.0800	0.0678	
90 n-Decane	57	18.450	18.452	-0.002	89	12379	0.0800	0.0718	
91 tert-Butylbenzene	119	18.590	18.596	-0.006	95	30362	0.0800	0.0766	
92 1,2,4-Trimethylbenzene	105	18.606	18.609	-0.003	95	28744	0.0800	0.0757	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	43871	0.0800	0.0768	
94 1,3-Dichlorobenzene	146	18.881	18.882	-0.001	95	21275	0.0800	0.0797	
95 Benzyl chloride	91	18.957	18.959	-0.002	97	17191	0.0800	0.1068	
96 1,4-Dichlorobenzene	146	18.967	18.970	-0.003	93	18686	0.0800	0.0743	
97 4-Isopropyltoluene	119	19.027	19.026	0.001	95	35830	0.0800	0.0782	
98 1,2,3-Trimethylbenzene	105	19.081	19.082	-0.001	97	28619	0.0800	0.0787	
99 Butylcyclohexane	83	19.135	19.131	0.004	94	21547	0.0800	0.0736	
101 1,2-Dichlorobenzene	146	19.329	19.331	-0.002	86	21062	0.0800	0.0817	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	91	25752	0.0800	0.0679	
103 n-Butylbenzene	91	19.458	19.459	-0.001	96	30168	0.0800	0.0694	
102 Indene	116	19.463	19.459	0.004	84	19528	0.0800	0.0713	
104 Undecane	57	19.760	19.761	-0.001	90	15944	0.0800	0.0773	
105 1,2-Dibromo-3-Chloropropane	157	19.933	19.933	0.000	93	7448	0.0800	0.0712	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	95	35273	0.0800	0.0831	
107 Dodecane	57	20.822	20.824	-0.002	91	20533	0.0800	0.0950	
108 1,2,4-Trichlorobenzene	180	21.043	21.040	0.003	92	11909	0.0800	0.0843	
109 Naphthalene	128	21.189	21.186	0.003	98	33432	0.0800	0.0892	
110 Hexachlorobutadiene	225	21.394	21.397	-0.003	92	26878	0.0800	0.0857	
111 1,2,3-Trichlorobenzene	180	21.475	21.472	0.003	95	18489	0.0800	0.0857	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	97	14978	0.0800	0.0771	
113 1-Methylnaphthalene	142	22.219	22.221	-0.002	92	30002	0.0800	0.1021	
A 116 C8 Range	1	14.427	(14.395-14.459)		0	56760	0.0800	0.0747	
S 117 Xylenes, Total	100				0		0.2400	0.2295	
S 118 1,2-Dichloroethene, Total	1				0		0.1600	0.1632	

Reagents:

40L1-3DQP_00048
40MXISSUR_00001

Amount Added: 200.00
Amount Added: 40.00

Units: mL
Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC03.D

Injection Date: 07-Oct-2021 22:44:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L3

Worklist Smp#: 12

Client ID:

Purge Vol: 500.000 mL

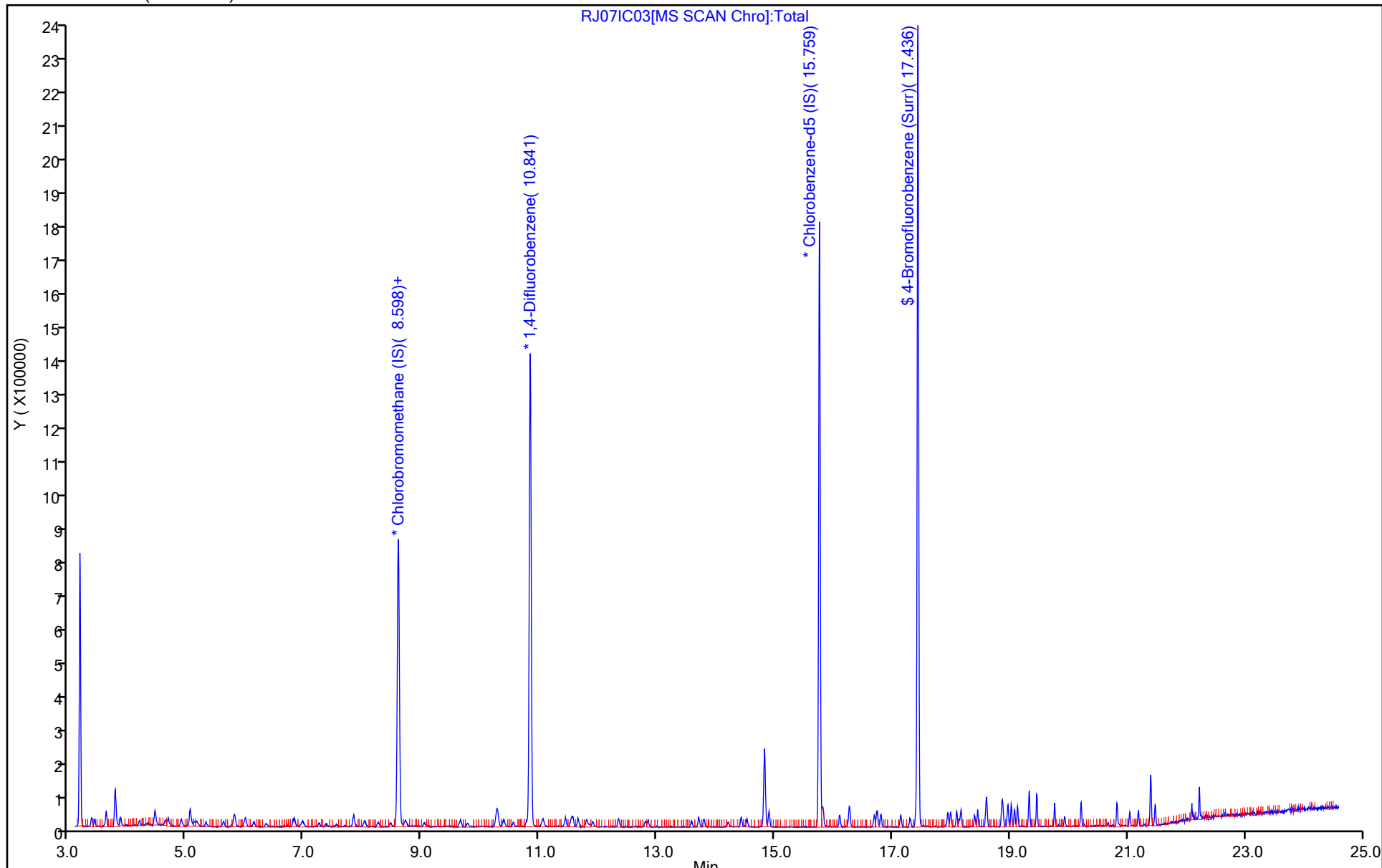
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



RJ07IC03[MS SCAN Chro]:Total

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC03.D

Injection Date: 07-Oct-2021 22:44:30

Instrument ID: MR

Lims ID: IC L3

Client ID:

Operator ID: HMT

ALS Bottle#: 1

Worklist Smp#: 12

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

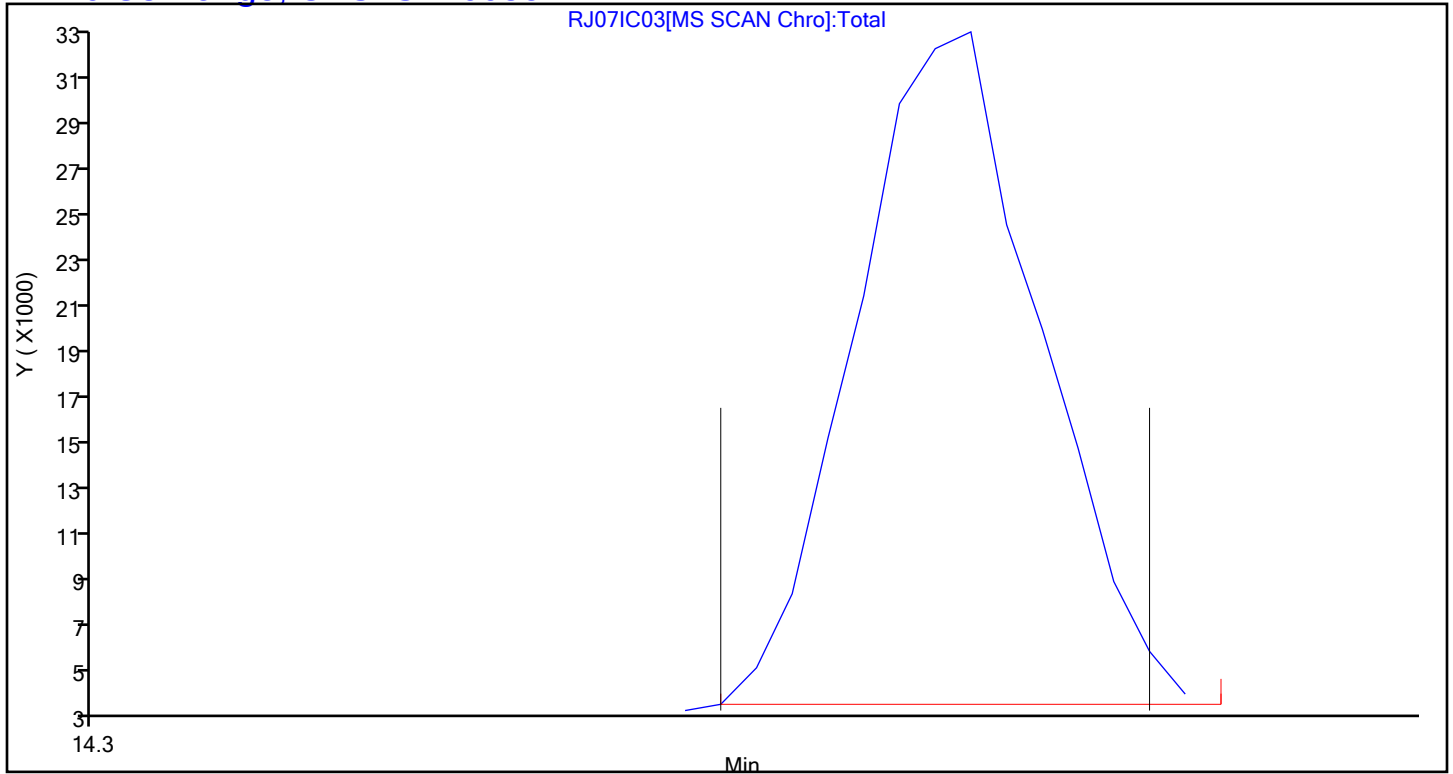
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC04.D
 Lims ID: IC L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 07-Oct-2021 23:29:30 ALS Bottle#: 2 Worklist Smp#: 13
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-013
 Misc. Info.: 427824
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:34 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 08:53:35

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	8.587	8.598	-0.011	79	312096	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.836	10.842	-0.006	92	1446444	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.762	-0.003	84	1146194	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.437	-0.001	96	725071	4.64	4.53	
6 Chlorodifluoromethane	51	3.362	3.359	0.003	91	15702	0.1600	0.1733	
7 Propene	41	3.367	3.362	0.005	85	8859	0.1600	0.1631	
8 Dichlorodifluoromethane	85	3.421	3.417	0.004	97	29600	0.1600	0.1547	
9 Chloromethane	52	3.604	3.600	0.004	55	3123	0.1600	0.1766	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.610	3.613	-0.003	85	28691	0.1600	0.1675	
11 Acetaldehyde	44	3.761	3.769	-0.008	88	48218	0.8000	1.54	
12 Vinyl chloride	62	3.777	3.773	0.004	96	13155	0.1600	0.1674	
14 Butadiene	54	3.858	3.860	-0.002	66	8406	0.1600	0.1787	
13 Butane	43	3.858	3.860	-0.002	89	17681	0.1600	0.1589	
15 Bromomethane	94	4.181	4.181	0.000	92	18239	0.1600	0.1787	
16 Chloroethane	64	4.316	4.324	-0.008	82	5496	0.1600	0.1361	
17 Ethanol	31	4.435	4.459	-0.024	97	42785	0.8000	0.8718	
18 Vinyl bromide	106	4.618	4.624	-0.006	96	17018	0.1600	0.1676	
19 2-Methylbutane	43	4.672	4.672	0.000	90	16564	0.1600	0.1722	
20 Trichlorofluoromethane	101	4.893	4.894	-0.001	97	34732	0.1600	0.1702	
21 Acrolein	56	4.915	4.921	-0.006	72	4457	0.1600	0.2211	
23 Acetone	58	5.039	5.040	-0.001	98	29045	0.4800	1.01	
22 Acetonitrile	40	4.990	5.010	-0.020	88	5261	0.1600	0.1881	
25 Pentane	72	5.120	5.123	-0.003	93	1492	0.1600	0.1601	
24 Isopropyl alcohol	45	5.136	5.155	-0.019	93	42069	0.4800	0.4761	
26 Ethyl ether	31	5.303	5.291	0.012	83	15709	0.1600	0.1727	
27 1,1-Dichloroethene	96	5.600	5.617	-0.017	94	12185	0.1600	0.1551	
29 Acrylonitrile	53	5.729	5.748	-0.019	84	7110	0.1600	0.1804	
28 2-Methyl-2-propanol	59	5.761	5.773	-0.012	95	16963	0.1600	0.1729	
30 112TCTFE	101	5.794	5.800	-0.006	91	24814	0.1600	0.1455	
31 Methylene Chloride	84	5.966	5.980	-0.014	87	12277	0.1600	0.1661	

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	5.988	5.995	-0.007	88	11836	0.1600	0.1408	
33 Carbon disulfide	76	6.128	6.133	-0.005	98	35495	0.1600	0.1564	
34 trans-1,2-Dichloroethene	96	6.797	6.806	-0.009	73	12263	0.1600	0.1622	
35 2-Methylpentane	43	6.818	6.823	-0.005	92	24698	0.1600	0.1580	
36 Methyl tert-butyl ether	73	6.953	6.945	0.008	96	28188	0.1600	0.1607	
37 1,1-Dichloroethane	63	7.223	7.242	-0.019	98	18842	0.1600	0.1588	
38 Vinyl acetate	43	7.357	7.362	-0.005	99	27801	0.1600	0.1581	
40 Hexane	56	7.816	7.825	-0.009	65	7630	0.1600	0.1678	
39 2-Butanone (MEK)	72	7.816	7.826	-0.010	86	8160	0.1600	0.2189	
41 Isopropyl ether	45	7.988	8.005	-0.017	91	34567	0.1600	0.1535	
42 cis-1,2-Dichloroethene	96	8.242	8.255	-0.013	86	12608	0.1600	0.1508	
43 Ethyl acetate	43	8.447	8.452	-0.005	95	25383	0.1600	0.1556	
44 Chloroform	83	8.598	8.609	-0.011	51	24975	0.1600	0.1481	
45 Tert-butyl ethyl ether	59	8.695	8.695	0.000	93	26450	0.1600	0.1587	
46 Tetrahydrofuran	42	9.008	9.015	-0.007	87	13660	0.1600	0.1669	
47 1,1,1-Trichloroethane	97	9.644	9.651	-0.007	97	23917	0.1600	0.1443	
48 1,2-Dichloroethane	62	9.762	9.774	-0.012	92	13897	0.1600	0.1541	
50 Cyclohexane	69	10.259	10.258	0.001	68	5503	0.1600	0.1562	
51 Benzene	78	10.259	10.271	-0.012	94	38956	0.1600	0.1635	
49 n-Butanol	31	10.253	10.251	0.002	49	6882	0.1600	0.1686	
52 Carbon tetrachloride	117	10.280	10.287	-0.007	89	16415	0.1600	0.0989	
53 2,3-Dimethylpentane	71	10.393	10.394	-0.001	87	7745	0.1600	0.1568	
54 Thiophene	84	10.539	10.553	-0.014	94	19812	0.1600	0.1444	
55 Isooctane	57	11.046	11.054	-0.008	95	48987	0.1600	0.1574	
56 n-Heptane	71	11.439	11.444	-0.005	93	12955	0.1600	0.1647	
57 1,2-Dichloropropane	63	11.520	11.532	-0.012	87	15102	0.1600	0.1662	
58 Trichloroethene	130	11.558	11.565	-0.007	94	18433	0.1600	0.1484	
59 Dibromomethane	93	11.644	11.657	-0.013	93	20785	0.1600	0.1645	
60 Dichlorobromomethane	83	11.785	11.803	-0.018	97	26385	0.1600	0.1497	
61 1,4-Dioxane	88	11.817	11.820	-0.003	64	5368	0.1600	0.1435	
62 Methyl methacrylate	41	11.903	11.902	0.001	89	17428	0.1600	0.1693	
63 Methylcyclohexane	83	12.345	12.347	-0.002	93	21239	0.1600	0.1535	
64 4-Methyl-2-pentanone (MIBK)	43	12.782	12.790	-0.008	95	28128	0.1600	0.1545	
65 cis-1,3-Dichloropropene	75	12.842	12.849	-0.007	94	18110	0.1600	0.1374	
66 trans-1,3-Dichloropropene	75	13.580	13.590	-0.010	97	16733	0.1600	0.1495	
67 Toluene	91	13.699	13.711	-0.012	94	38724	0.1600	0.1510	
68 1,1,2-Trichloroethane	83	13.785	13.797	-0.012	93	11961	0.1600	0.1408	
69 2-Hexanone	58	14.195	14.202	-0.007	89	8971	0.1600	0.1472	
70 n-Octane	85	14.427	14.431	-0.004	90	10975	0.1600	0.1583	
71 Chlorodibromomethane	129	14.519	14.532	-0.013	93	24396	0.1600	0.1315	
72 Ethylene Dibromide	107	14.837	14.835	0.002	25	24018	0.1600	0.1502	
73 Tetrachloroethene	129	14.907	14.907	0.000	92	16928	0.1600	0.1397	
74 Chlorobenzene	112	15.807	15.813	-0.006	97	34305	0.1600	0.1492	
75 2,3-Dimethylheptane	43	15.818	15.826	-0.008	94	36353	0.1600	0.1504	
76 Ethylbenzene	91	16.099	16.107	-0.008	98	51296	0.1600	0.1478	
77 m-Xylene & p-Xylene	91	16.260	16.271	-0.011	96	79495	0.3200	0.2952	
78 n-Nonane	57	16.692	16.695	-0.003	92	18503	0.1600	0.1393	
79 Bromoform	173	16.729	16.737	-0.008	92	23605	0.1600	0.1535	
80 Styrene	104	16.746	16.747	-0.001	94	30057	0.1600	0.1395	
81 o-Xylene	91	16.800	16.807	-0.007	97	38900	0.1600	0.1416	
82 1,1,2,2-Tetrachloroethane	83	17.139	17.143	-0.004	97	31300	0.1600	0.1401	
83 1,2,3-Trichloropropane	110	17.301	17.307	-0.006	94	7831	0.1600	0.1416	

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	17.398	17.403	-0.005	90	62697	0.1600	0.1481	
85 N-Propylbenzene	120	17.948	17.948	0.000	99	17958	0.1600	0.1466	
86 2-Chlorotoluene	126	17.997	17.994	0.003	94	18544	0.1600	0.1537	
88 4-Ethyltoluene	105	18.094	18.097	-0.003	98	60109	0.1600	0.1446	
87 1,3,5-Trimethylbenzene	120	18.164	18.170	-0.006	92	24341	0.1600	0.1358	
89 Alpha Methyl Styrene	118	18.401	18.402	-0.001	88	19852	0.1600	0.1246	
90 n-Decane	57	18.450	18.452	-0.002	87	22078	0.1600	0.1321	
91 tert-Butylbenzene	119	18.590	18.596	-0.006	92	56093	0.1600	0.1460	
92 1,2,4-Trimethylbenzene	105	18.606	18.609	-0.003	93	50784	0.1600	0.1379	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	75433	0.1600	0.1362	
94 1,3-Dichlorobenzene	146	18.886	18.882	0.004	97	30409	0.1600	0.1175	
95 Benzyl chloride	91	18.962	18.959	0.003	80	19285	0.1600	0.1191	
96 1,4-Dichlorobenzene	146	18.967	18.970	-0.003	96	30863	0.1600	0.1266	
97 4-Isopropyltoluene	119	19.027	19.026	0.001	97	60402	0.1600	0.1360	
98 1,2,3-Trimethylbenzene	105	19.080	19.082	-0.002	96	51779	0.1600	0.1468	
99 Butylcyclohexane	83	19.129	19.131	-0.002	95	37041	0.1600	0.1305	
101 1,2-Dichlorobenzene	146	19.329	19.331	-0.002	82	33377	0.1600	0.1335	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	92	44974	0.1600	0.1222	
103 n-Butylbenzene	91	19.458	19.459	-0.001	96	53740	0.1600	0.1276	
102 Indene	116	19.458	19.459	-0.001	78	31905	0.1600	0.1201	
104 Undecane	57	19.760	19.761	-0.001	86	25871	0.1600	0.1293	
105 1,2-Dibromo-3-Chloropropane	157	19.932	19.933	-0.001	89	12224	0.1600	0.1205	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	95	65151	0.1600	0.1584	
107 Dodecane	57	20.822	20.824	-0.002	90	31798	0.1600	0.1517	
108 1,2,4-Trichlorobenzene	180	21.038	21.040	-0.002	94	17061	0.1600	0.1245	
109 Naphthalene	128	21.189	21.186	0.003	99	45129	0.1600	0.1241	
110 Hexachlorobutadiene	225	21.399	21.397	0.002	93	46561	0.1600	0.1531	
111 1,2,3-Trichlorobenzene	180	21.475	21.472	0.003	94	27628	0.1600	0.1321	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	96	14594	0.1600	0.0775	
113 1-Methylnaphthalene	142	22.224	22.221	0.003	98	34799	0.1600	0.1221	
A 116 C8 Range	1	14.427	(14.384-14.470)		0	110887	0.1600	0.1533	
S 117 Xylenes, Total	100				0		0.4800	0.4369	
S 118 1,2-Dichloroethene, Total	1				0		0.3200	0.3130	

Reagents:

40L4DQP_00031

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC04.D

Injection Date: 07-Oct-2021 23:29:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L4

Worklist Smp#: 13

Client ID:

Purge Vol: 500.000 mL

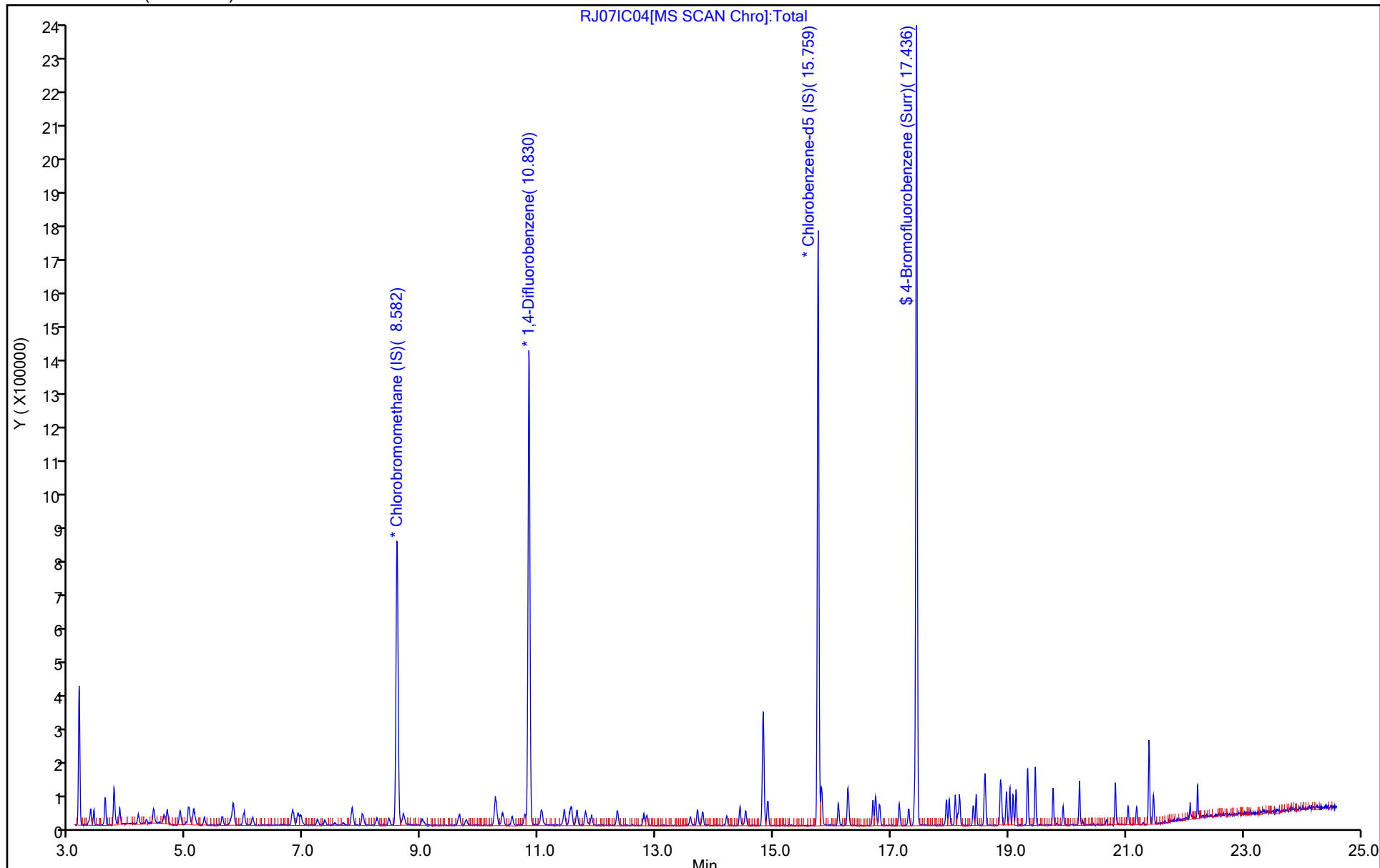
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



RJ07IC04[MS SCAN Chro]:Total

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC04.D

Injection Date: 07-Oct-2021 23:29:30

Instrument ID: MR

Lims ID: IC L4

Client ID:

Operator ID: HMT

ALS Bottle#: 2

Worklist Smp#: 13

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

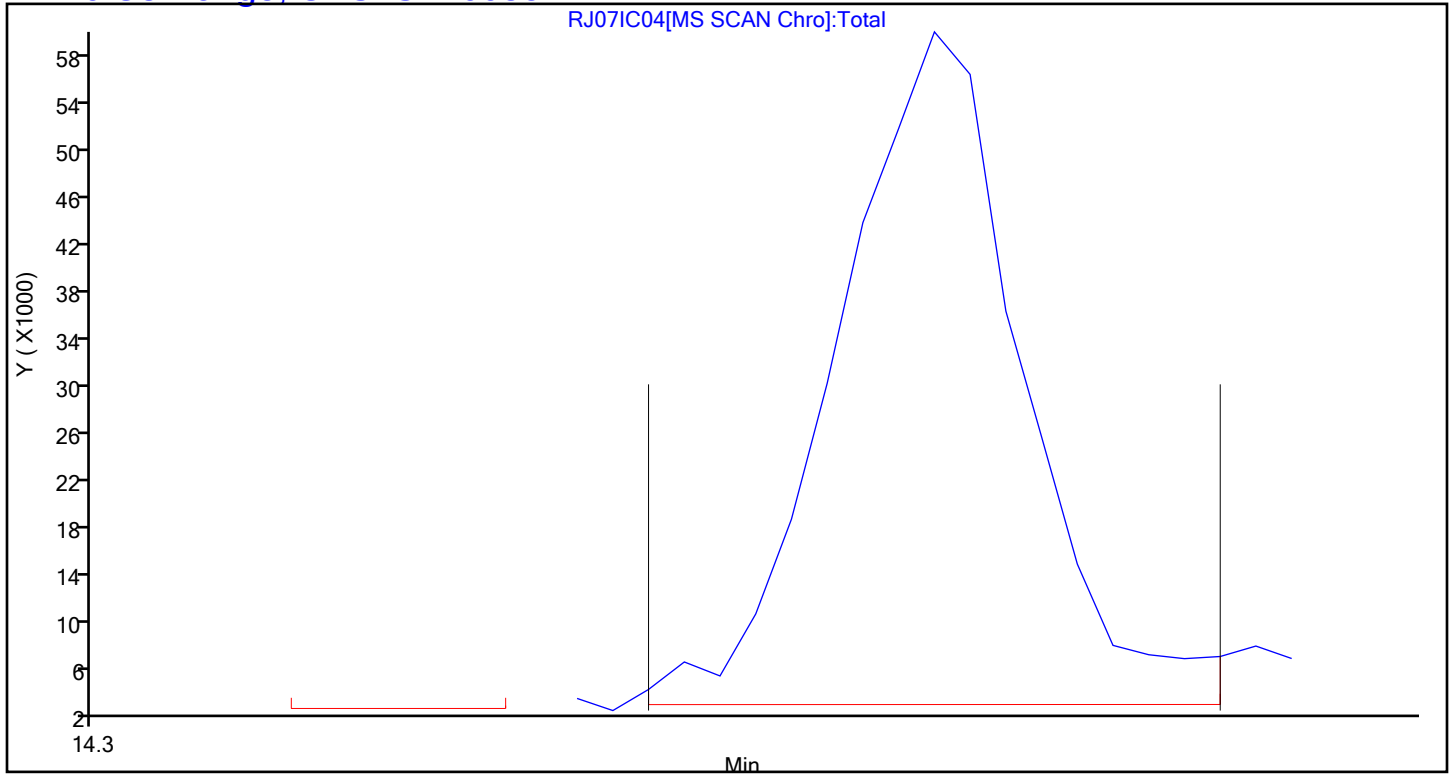
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC06.D
 Lims ID: IC L6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 08-Oct-2021 00:57:30 ALS Bottle#: 4 Worklist Smp#: 15
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-015
 Misc. Info.: 427820
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:40 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 10:52:51

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	8.592	8.598	-0.006	80	313358	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.841	10.842	-0.001	92	1437799	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.762	-0.003	83	1200462	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.437	-0.001	94	786217	4.64	4.69	
6 Chlorodifluoromethane	51	3.351	3.359	-0.008	99	92255	1.00	1.01	
7 Propene	41	3.356	3.362	-0.006	95	57429	1.00	1.05	
8 Dichlorodifluoromethane	85	3.416	3.417	-0.001	98	191132	1.00	1.00	
9 Chloromethane	52	3.594	3.600	-0.006	97	18271	1.00	1.03	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.610	3.613	-0.003	88	169120	1.00	0.9834	
11 Acetaldehyde	44	3.761	3.769	-0.008	90	182881	5.00	5.83	
12 Vinyl chloride	62	3.766	3.773	-0.007	52	82255	1.00	1.04	
13 Butane	43	3.852	3.860	-0.008	87	114349	1.00	1.02	
14 Butadiene	54	3.852	3.860	-0.008	65	49580	1.00	1.05	
15 Bromomethane	94	4.176	4.181	-0.005	98	107241	1.00	1.05	
16 Chloroethane	64	4.316	4.324	-0.008	83	36133	1.00	0.8913	
17 Ethanol	31	4.446	4.459	-0.013	94	268970	5.00	5.46	
18 Vinyl bromide	106	4.613	4.624	-0.011	97	102812	1.00	1.01	
19 2-Methylbutane	43	4.672	4.672	0.000	96	103545	1.00	1.07	
20 Trichlorofluoromethane	101	4.888	4.894	-0.006	95	196207	1.00	0.9576	
21 Acrolein	56	4.909	4.921	-0.012	44	18173	1.00	0.8978	
22 Acetonitrile	40	4.985	5.010	-0.025	99	28078	1.00	1.00	
23 Acetone	58	5.023	5.040	-0.017	99	89783	3.00	3.11	
25 Pentane	72	5.114	5.123	-0.009	95	9323	1.00	1.00	
24 Isopropyl alcohol	45	5.136	5.155	-0.019	92	234582	3.00	2.64	
26 Ethyl ether	31	5.287	5.291	-0.004	85	91436	1.00	1.00	
27 1,1-Dichloroethene	96	5.616	5.617	-0.001	93	70659	1.00	0.8960	
29 Acrylonitrile	53	5.734	5.748	-0.014	74	37967	1.00	0.9595	
28 2-Methyl-2-propanol	59	5.740	5.773	-0.033	92	91582	1.00	0.9295	
30 112TCTFE	101	5.794	5.800	-0.006	90	167722	1.00	0.9797	
31 Methylene Chloride	84	5.977	5.980	-0.003	84	68455	1.00	0.9222	

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	5.993	5.995	-0.002	90	60461	1.00	0.9139	
33 Carbon disulfide	76	6.128	6.133	-0.005	99	223897	1.00	0.9826	
34 trans-1,2-Dichloroethene	96	6.802	6.806	-0.004	97	73055	1.00	0.9625	
35 2-Methylpentane	43	6.818	6.823	-0.005	95	158273	1.00	1.01	
36 Methyl tert-butyl ether	73	6.937	6.945	-0.008	96	174265	1.00	0.9894	
37 1,1-Dichloroethane	63	7.244	7.242	0.002	98	115898	1.00	0.9727	
38 Vinyl acetate	43	7.352	7.362	-0.010	100	180216	1.00	1.02	
40 Hexane	56	7.821	7.825	-0.004	80	42895	1.00	0.9398	
39 2-Butanone (MEK)	72	7.810	7.826	-0.016	94	36162	1.00	0.9663	
41 Isopropyl ether	45	7.994	8.005	-0.011	95	223944	1.00	0.99	
42 cis-1,2-Dichloroethene	96	8.247	8.255	-0.008	87	82521	1.00	0.9831	
43 Ethyl acetate	43	8.441	8.452	-0.011	97	165140	1.00	1.01	
44 Chloroform	83	8.608	8.609	-0.001	94	166351	1.00	0.9823	
45 Tert-butyl ethyl ether	59	8.684	8.695	-0.011	92	169211	1.00	1.01	
46 Tetrahydrofuran	42	8.997	9.015	-0.018	94	84636	1.00	1.03	
47 1,1,1-Trichloroethane	97	9.649	9.651	-0.002	94	167881	1.00	1.01	
48 1,2-Dichloroethane	62	9.768	9.774	-0.006	95	85271	1.00	0.9512	
49 n-Butanol	31	10.232	10.251	-0.019	52	41504	1.00	1.02	
51 Benzene	78	10.269	10.271	-0.002	95	223741	1.00	0.9447	
50 Cyclohexane	69	10.259	10.258	0.001	71	33017	1.00	0.9427	
52 Carbon tetrachloride	117	10.286	10.287	-0.001	93	119617	1.00	0.7144	
53 2,3-Dimethylpentane	71	10.388	10.394	-0.006	89	46786	1.00	0.9527	
54 Thiophene	84	10.550	10.553	-0.003	89	133181	1.00	0.9764	
55 Isooctane	57	11.051	11.054	-0.003	94	298943	1.00	0.9660	
56 n-Heptane	71	11.439	11.444	-0.005	96	74313	1.00	0.9505	
57 1,2-Dichloropropane	63	11.531	11.532	-0.001	88	86154	1.00	0.9538	
58 Trichloroethene	130	11.564	11.565	-0.001	96	115692	1.00	0.9369	
59 Dibromomethane	93	11.655	11.657	-0.002	96	121120	1.00	0.9646	
60 Dichlorobromomethane	83	11.801	11.803	-0.002	96	172132	1.00	0.9824	
61 1,4-Dioxane	88	11.812	11.820	-0.008	39	38578	1.00	1.04	
62 Methyl methacrylate	41	11.898	11.902	-0.004	94	98662	1.00	0.9641	
63 Methylcyclohexane	83	12.345	12.347	-0.002	93	131512	1.00	0.9563	
64 4-Methyl-2-pentanone (MIBK)	43	12.777	12.790	-0.013	97	184684	1.00	1.02	
65 cis-1,3-Dichloropropene	75	12.841	12.849	-0.008	94	138549	1.00	1.06	
66 trans-1,3-Dichloropropene	75	13.586	13.590	-0.004	97	108671	1.00	0.9269	
67 Toluene	91	13.710	13.711	-0.001	94	261397	1.00	0.9731	
68 1,1,2-Trichloroethane	83	13.796	13.797	-0.001	93	88650	1.00	1.00	
69 2-Hexanone	58	14.195	14.202	-0.007	88	60311	1.00	0.9447	
70 n-Octane	85	14.427	14.431	-0.004	94	67383	1.00	0.9279	
71 Chlorodibromomethane	129	14.529	14.532	-0.003	96	178802	1.00	0.9200	
72 Ethylene Dibromide	107	14.831	14.835	-0.004	98	158109	1.00	0.9439	
73 Tetrachloroethene	129	14.901	14.907	-0.006	94	113959	1.00	0.8980	
74 Chlorobenzene	112	15.813	15.813	0.000	95	226258	1.00	0.9394	
75 2,3-Dimethylheptane	43	15.823	15.826	-0.003	95	250779	1.00	0.99	
76 Ethylbenzene	91	16.109	16.107	0.002	98	336770	1.00	0.9267	
77 m-Xylene & p-Xylene	91	16.266	16.271	-0.005	97	551246	2.00	1.95	
78 n-Nonane	57	16.692	16.695	-0.003	91	131137	1.00	0.9425	
79 Bromoform	173	16.735	16.737	-0.002	94	193466	1.00	0.9193	
80 Styrene	104	16.746	16.747	-0.001	96	215689	1.00	0.9559	
81 o-Xylene	91	16.805	16.807	-0.002	98	272751	1.00	0.9482	
82 1,1,2,2-Tetrachloroethane	83	17.139	17.143	-0.004	97	227329	1.00	0.9713	
83 1,2,3-Trichloropropane	110	17.306	17.307	-0.001	96	54729	1.00	0.9451	

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	17.403	17.403	0.000	95	419719	1.00	0.9463	
85 N-Propylbenzene	120	17.948	17.948	0.000	99	123999	1.00	0.9662	
86 2-Chlorotoluene	126	17.991	17.994	-0.003	94	124502	1.00	0.9852	
88 4-Ethyltoluene	105	18.094	18.097	-0.003	98	402462	1.00	0.9245	
87 1,3,5-Trimethylbenzene	120	18.169	18.170	-0.001	94	175876	1.00	0.9367	
89 Alpha Methyl Styrene	118	18.401	18.402	-0.001	91	158464	1.00	0.9499	
90 n-Decane	57	18.450	18.452	-0.002	86	174168	1.00	1.00	
91 tert-Butylbenzene	119	18.595	18.596	-0.001	94	372990	1.00	0.9266	
92 1,2,4-Trimethylbenzene	105	18.606	18.609	-0.003	94	353790	1.00	0.9170	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	536880	1.00	0.9256	
94 1,3-Dichlorobenzene	146	18.881	18.882	-0.001	96	243347	1.00	0.8975	
95 Benzyl chloride	91	18.956	18.959	-0.003	98	198064	1.00	0.9152	
96 1,4-Dichlorobenzene	146	18.967	18.970	-0.003	95	225764	1.00	0.8843	
97 4-Isopropyltoluene	119	19.027	19.026	0.001	97	427024	1.00	0.9182	
98 1,2,3-Trimethylbenzene	105	19.080	19.082	-0.002	97	354562	1.00	0.9600	
99 Butylcyclohexane	83	19.129	19.131	-0.002	97	287039	1.00	0.9655	
101 1,2-Dichlorobenzene	146	19.329	19.331	-0.003	96	240216	1.00	0.9175	
100 2,3-Dihydroindene	117	19.329	19.329	-0.001	92	351147	1.00	0.9112	
103 n-Butylbenzene	91	19.458	19.459	-0.001	97	387248	1.00	0.8778	
102 Indene	116	19.458	19.459	-0.001	84	273765	1.00	0.9841	
104 Undecane	57	19.760	19.761	-0.001	89	194639	1.00	0.9291	
105 1,2-Dibromo-3-Chloropropane	157	19.932	19.933	-0.001	94	109876	1.00	1.03	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	98	381446	1.00	0.8853	
107 Dodecane	57	20.822	20.824	-0.002	87	205571	1.00	0.9366	
108 1,2,4-Trichlorobenzene	180	21.038	21.040	-0.002	93	131161	1.00	0.9140	
109 Naphthalene	128	21.183	21.186	-0.003	99	359739	1.00	0.9449	
110 Hexachlorobutadiene	225	21.399	21.397	0.002	94	288126	1.00	0.9045	
111 1,2,3-Trichlorobenzene	180	21.469	21.472	-0.003	95	192856	1.00	0.8807	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	99	196345	1.00	0.99	
113 1-Methylnaphthalene	142	22.219	22.221	-0.002	97	318926	1.00	1.07	
A 116 C8 Range	1	14.427	(14.384-14.481)		0	697608	1.00	0.9700	
S 117 Xylenes, Total	100				0		3.00	2.90	
S 118 1,2-Dichloroethene, Total	1				0		2.00	1.95	

Reagents:

40L6DQP_00028

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC06.D

Injection Date: 08-Oct-2021 00:57:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L6

Worklist Smp#: 15

Client ID:

Purge Vol: 500.000 mL

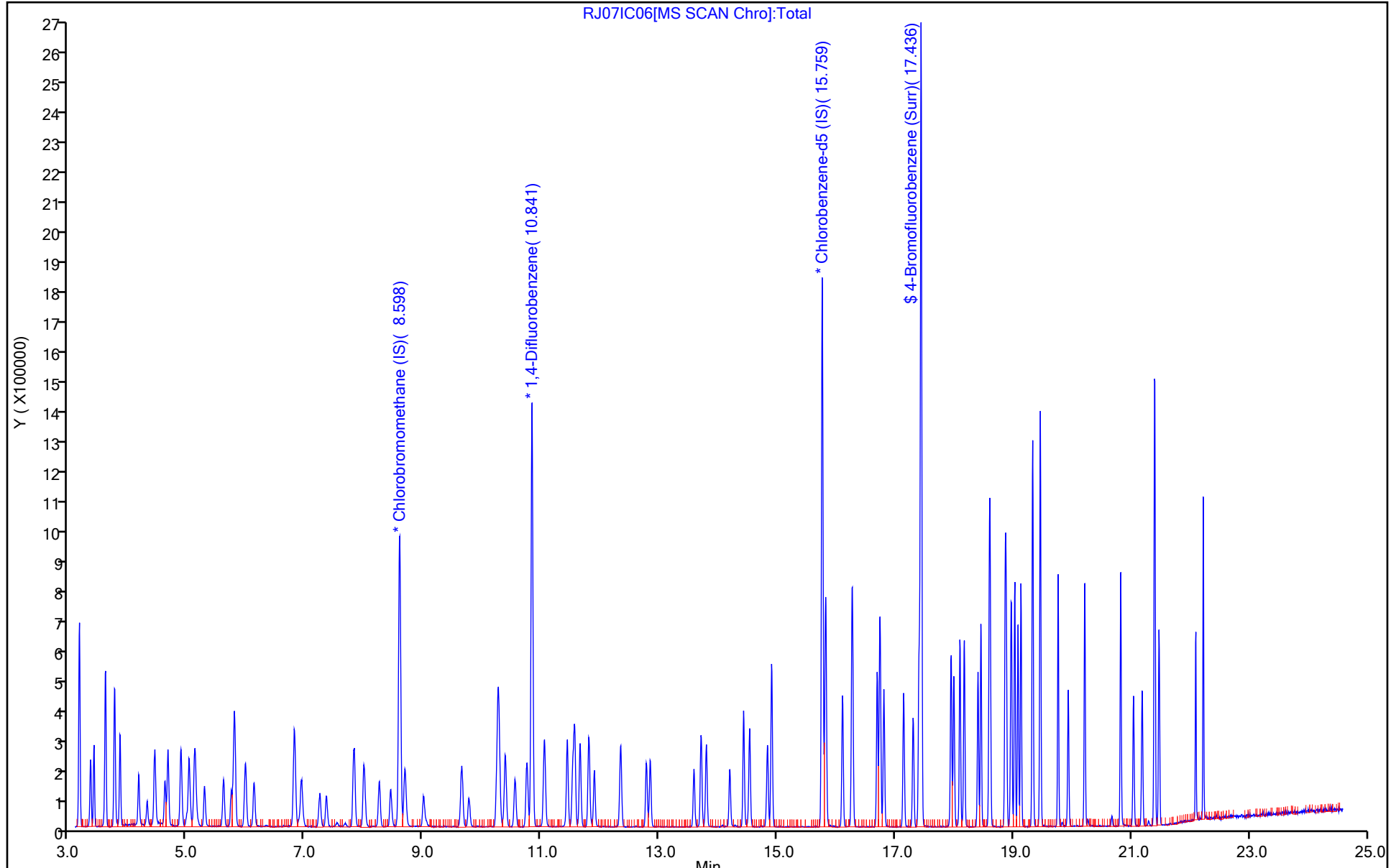
Dil. Factor: 1.0000

ALS Bottle#: 4

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\20211007-20984.b\RJ07IC06.D

Injection Date: 08-Oct-2021 00:57:30

Instrument ID: MR

Lims ID: IC L6

Client ID:

Operator ID: HMT

ALS Bottle#: 4

Worklist Smp#: 15

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

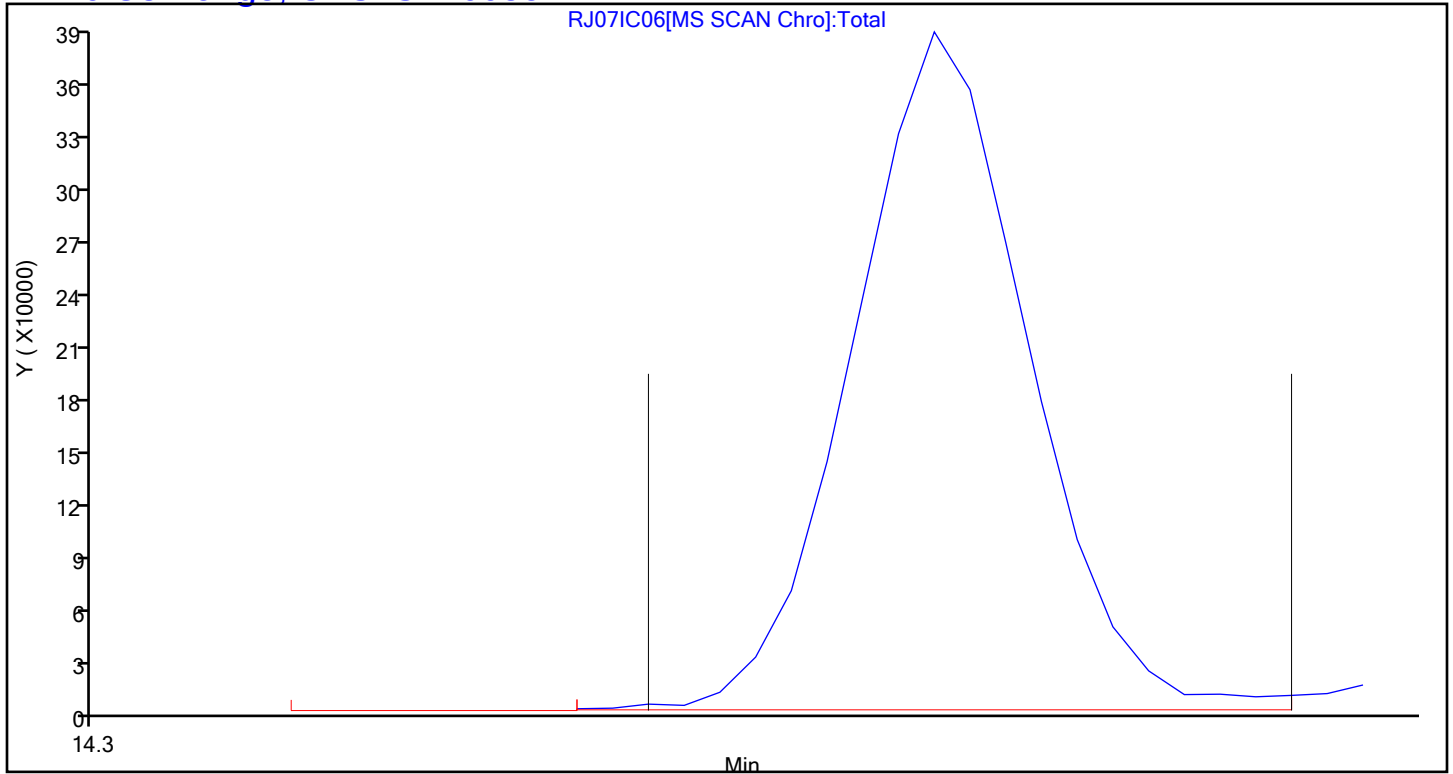
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC07R.D
 Lims ID: ICIS L7
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 08-Oct-2021 07:11:30 ALS Bottle#: 5 Worklist Smp#: 22
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-016
 Misc. Info.: 427819
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:47 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 08:30:46

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	8.598	8.598	0.000	83	332789	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.841	10.842	-0.001	93	1539788	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.762	-0.003	84	1305409	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.437	-0.001	96	854378	4.64	4.68	
6 Chlorodifluoromethane	51	3.351	3.359	-0.008	99	184541	2.00	1.91	
7 Propene	41	3.357	3.362	-0.005	99	113969	2.00	1.97	
8 Dichlorodifluoromethane	85	3.410	3.417	-0.007	98	392061	2.00	1.92	
9 Chloromethane	52	3.588	3.600	-0.012	98	39584	2.00	2.10	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.605	3.613	-0.008	88	351649	2.00	1.93	
11 Acetaldehyde	44	3.761	3.769	-0.008	89	331373	10.0	9.95	
12 Vinyl chloride	62	3.761	3.773	-0.012	56	164430	2.00	1.96	
13 Butane	43	3.853	3.860	-0.007	88	238097	2.00	2.01	
14 Butadiene	54	3.853	3.860	-0.007	65	102009	2.00	2.03	
15 Bromomethane	94	4.165	4.181	-0.016	98	210331	2.00	1.93	
16 Chloroethane	64	4.311	4.324	-0.013	89	84262	2.00	1.96	
17 Ethanol	31	4.446	4.459	-0.013	95	560768	10.0	10.7	
18 Vinyl bromide	106	4.618	4.624	-0.006	95	216203	2.00	2.00	
19 2-Methylbutane	43	4.662	4.672	-0.010	95	213907	2.00	2.09	
20 Trichlorofluoromethane	101	4.888	4.894	-0.006	97	412829	2.00	1.90	
21 Acrolein	56	4.910	4.921	-0.011	91	41434	2.00	1.93	
22 Acetonitrile	40	4.990	5.010	-0.020	98	62782	2.00	2.11	
23 Acetone	58	5.023	5.040	-0.017	99	175708	6.00	5.72	
25 Pentane	72	5.114	5.123	-0.009	95	18495	2.00	1.86	
24 Isopropyl alcohol	45	5.131	5.155	-0.024	94	526331	6.00	5.59	
26 Ethyl ether	31	5.282	5.291	-0.009	83	191511	2.00	1.97	
27 1,1-Dichloroethene	96	5.616	5.617	-0.001	94	151026	2.00	1.80	
29 Acrylonitrile	53	5.745	5.748	-0.003	86	80503	2.00	1.92	
28 2-Methyl-2-propanol	59	5.735	5.773	-0.038	96	202092	2.00	1.93	
30 112TCTFE	101	5.789	5.800	-0.011	94	340300	2.00	1.87	
31 Methylene Chloride	84	5.977	5.980	-0.003	90	137045	2.00	1.74	

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	5.988	5.995	-0.007	98	135786	2.00	1.99	
33 Carbon disulfide	76	6.123	6.133	-0.010	99	457717	2.00	1.89	
34 trans-1,2-Dichloroethene	96	6.802	6.806	-0.004	94	160999	2.00	2.00	
35 2-Methylpentane	43	6.818	6.823	-0.005	95	323510	2.00	1.94	
36 Methyl tert-butyl ether	73	6.921	6.945	-0.024	97	362493	2.00	1.94	
37 1,1-Dichloroethane	63	7.244	7.242	0.002	98	239520	2.00	1.89	
38 Vinyl acetate	43	7.352	7.362	-0.010	99	349414	2.00	1.86	
39 2-Butanone (MEK)	72	7.811	7.826	-0.015	98	74331	2.00	1.87	
40 Hexane	56	7.827	7.825	0.002	81	88724	2.00	1.83	
41 Isopropyl ether	45	7.989	8.005	-0.016	94	471583	2.00	1.96	
42 cis-1,2-Dichloroethene	96	8.253	8.255	-0.002	91	168642	2.00	1.89	
43 Ethyl acetate	43	8.436	8.452	-0.016	97	341041	2.00	1.96	
44 Chloroform	83	8.609	8.609	0.000	94	348231	2.00	1.94	
45 Tert-butyl ethyl ether	59	8.684	8.695	-0.011	96	365534	2.00	2.06	
46 Tetrahydrofuran	42	8.997	9.015	-0.018	93	167179	2.00	1.92	
47 1,1,1-Trichloroethane	97	9.655	9.651	0.004	95	353600	2.00	2.00	
48 1,2-Dichloroethane	62	9.773	9.774	-0.001	96	186174	2.00	1.94	
49 n-Butanol	31	10.221	10.251	-0.030	93	87701	2.00	2.02	
50 Cyclohexane	69	10.259	10.258	0.001	89	72036	2.00	1.92	
51 Benzene	78	10.270	10.271	-0.001	94	480321	2.00	1.89	
52 Carbon tetrachloride	117	10.291	10.287	0.004	97	392407	2.00	2.12	
53 2,3-Dimethylpentane	71	10.394	10.394	0.000	89	102102	2.00	1.94	
54 Thiophene	84	10.555	10.553	0.002	91	283467	2.00	1.94	
55 Isooctane	57	11.057	11.054	0.003	95	641708	2.00	1.94	
56 n-Heptane	71	11.445	11.444	0.001	95	163356	2.00	1.95	
57 1,2-Dichloropropane	63	11.531	11.532	-0.001	90	179045	2.00	1.85	
58 Trichloroethene	130	11.564	11.565	-0.001	95	249255	2.00	1.88	
59 Dibromomethane	93	11.655	11.657	-0.002	95	261972	2.00	1.95	
60 Dichlorobromomethane	83	11.806	11.803	0.003	96	379548	2.00	2.02	
61 1,4-Dioxane	88	11.806	11.820	-0.014	40	83978	2.00	2.11	
62 Methyl methacrylate	41	11.898	11.902	-0.004	93	215629	2.00	1.97	
63 Methylcyclohexane	83	12.346	12.347	-0.001	94	303259	2.00	2.06	
64 4-Methyl-2-pentanone (MIBK)	43	12.777	12.790	-0.013	97	383654	2.00	1.98	
65 cis-1,3-Dichloropropene	75	12.842	12.849	-0.007	94	281311	2.00	2.01	
66 trans-1,3-Dichloropropene	75	13.586	13.590	-0.004	97	249317	2.00	1.96	
67 Toluene	91	13.710	13.711	-0.001	94	556497	2.00	1.91	
68 1,1,2-Trichloroethane	83	13.802	13.797	0.005	93	187625	2.00	1.94	
69 2-Hexanone	58	14.195	14.202	-0.007	89	130894	2.00	1.89	
70 n-Octane	85	14.427	14.431	-0.004	92	154526	2.00	1.96	
71 Chlorodibromomethane	129	14.530	14.532	-0.002	96	430394	2.00	2.04	
72 Ethylene Dibromide	107	14.837	14.835	0.002	99	352665	2.00	1.94	
73 Tetrachloroethene	129	14.907	14.907	0.000	94	252957	2.00	1.83	
74 Chlorobenzene	112	15.813	15.813	0.000	97	505638	2.00	1.93	
75 2,3-Dimethylheptane	43	15.824	15.826	-0.002	95	553467	2.00	2.01	
76 Ethylbenzene	91	16.104	16.107	-0.003	98	740576	2.00	1.87	
77 m-Xylene & p-Xylene	91	16.271	16.271	0.000	97	1150144	4.00	3.75	
78 n-Nonane	57	16.692	16.695	-0.003	92	301112	2.00	1.99	
79 Bromoform	173	16.735	16.737	-0.002	95	480170	2.00	2.05	
80 Styrene	104	16.746	16.747	-0.001	96	480144	2.00	1.96	
81 o-Xylene	91	16.805	16.807	-0.002	99	589821	2.00	1.89	
82 1,1,2,2-Tetrachloroethane	83	17.145	17.143	0.002	98	493006	2.00	1.94	
83 1,2,3-Trichloropropane	110	17.301	17.307	-0.006	96	120424	2.00	1.91	

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	17.404	17.403	0.001	94	923661	2.00	1.92	
85 N-Propylbenzene	120	17.948	17.948	0.000	99	272614	2.00	1.95	
86 2-Chlorotoluene	126	17.991	17.994	-0.003	95	251271	2.00	1.83	
88 4-Ethyltoluene	105	18.099	18.097	0.002	99	894945	2.00	1.89	
87 1,3,5-Trimethylbenzene	120	18.169	18.170	-0.001	93	390805	2.00	1.91	
89 Alpha Methyl Styrene	118	18.401	18.402	-0.001	88	372676	2.00	2.05	
90 n-Decane	57	18.450	18.452	-0.002	87	390944	2.00	2.05	
91 tert-Butylbenzene	119	18.595	18.596	-0.001	93	804760	2.00	1.84	
92 1,2,4-Trimethylbenzene	105	18.606	18.609	-0.003	95	790306	2.00	1.88	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	1174319	2.00	1.86	
94 1,3-Dichlorobenzene	146	18.881	18.882	-0.001	96	541224	2.00	1.84	
95 Benzyl chloride	91	18.957	18.959	-0.002	99	496519	2.00	2.07	
96 1,4-Dichlorobenzene	146	18.967	18.970	-0.003	96	515884	2.00	1.86	
97 4-Isopropyltoluene	119	19.027	19.026	0.001	96	926488	2.00	1.83	
98 1,2,3-Trimethylbenzene	105	19.081	19.082	-0.001	98	800462	2.00	1.99	
99 Butylcyclohexane	83	19.129	19.131	-0.002	97	629000	2.00	1.95	
101 1,2-Dichlorobenzene	146	19.329	19.331	-0.002	82	540531	2.00	1.90	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	92	779838	2.00	1.86	
103 n-Butylbenzene	91	19.458	19.459	-0.001	96	892942	2.00	1.86	
102 Indene	116	19.458	19.459	-0.001	88	640206	2.00	2.12	
104 Undecane	57	19.760	19.761	-0.001	88	440761	2.00	1.93	
105 1,2-Dibromo-3-Chloropropane	157	19.933	19.933	0.000	96	248961	2.00	2.15	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.212	0.001	97	888960	2.00	1.90	
107 Dodecane	57	20.822	20.824	-0.002	88	467755	2.00	1.96	
108 1,2,4-Trichlorobenzene	180	21.038	21.040	-0.002	95	318729	2.00	2.04	
109 Naphthalene	128	21.184	21.186	-0.002	99	844743	2.00	2.04	
110 Hexachlorobutadiene	225	21.399	21.397	0.002	95	636614	2.00	1.84	
111 1,2,3-Trichlorobenzene	180	21.475	21.472	0.003	93	432591	2.00	1.82	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	99	457595	2.00	2.13	
113 1-Methylnaphthalene	142	22.219	22.221	-0.002	98	647630	2.00	2.00	
A 116 C8 Range	1	14.425	(14.373-14.481)		0	1529690	2.00	1.99	
S 117 Xylenes, Total	100				0		6.00	5.64	
S 118 1,2-Dichloroethene, Total	1				0		4.00	3.89	

QC Flag Legend

Processing Flags

Reagents:

40L7DQP_00028

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC07R.D

Injection Date: 08-Oct-2021 07:11:30

Instrument ID: MR

Operator ID: HMT

Lims ID: ICIS L7

Worklist Smp#: 22

Client ID:

Purge Vol: 500.000 mL

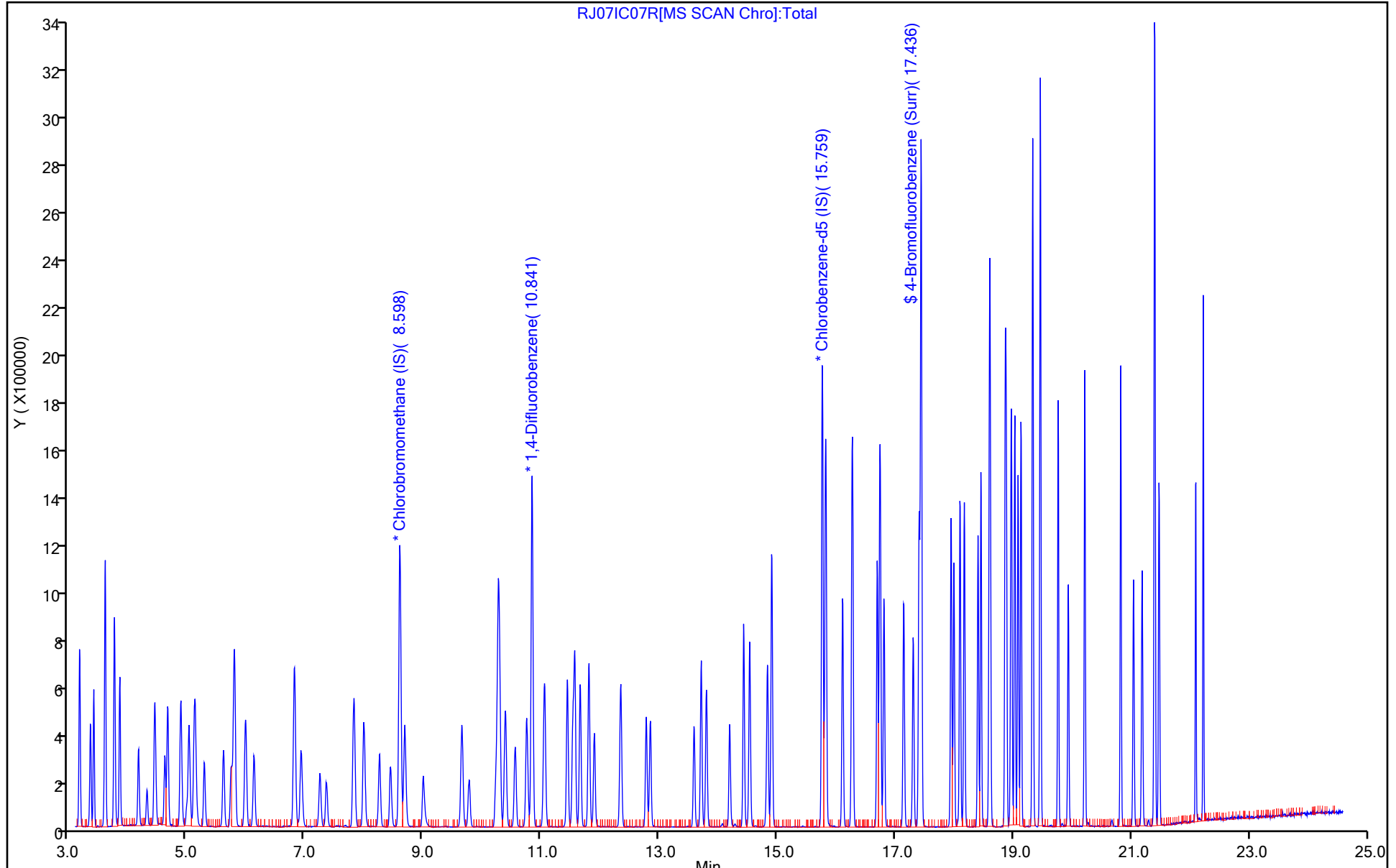
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



RJ07IC07R[MSCAN Chrom]:Total

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC07R.D

Injection Date: 08-Oct-2021 07:11:30

Instrument ID: MR

Lims ID: ICIS L7

Client ID:

Operator ID: HMT

ALS Bottle#: 5

Worklist Smp#: 22

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

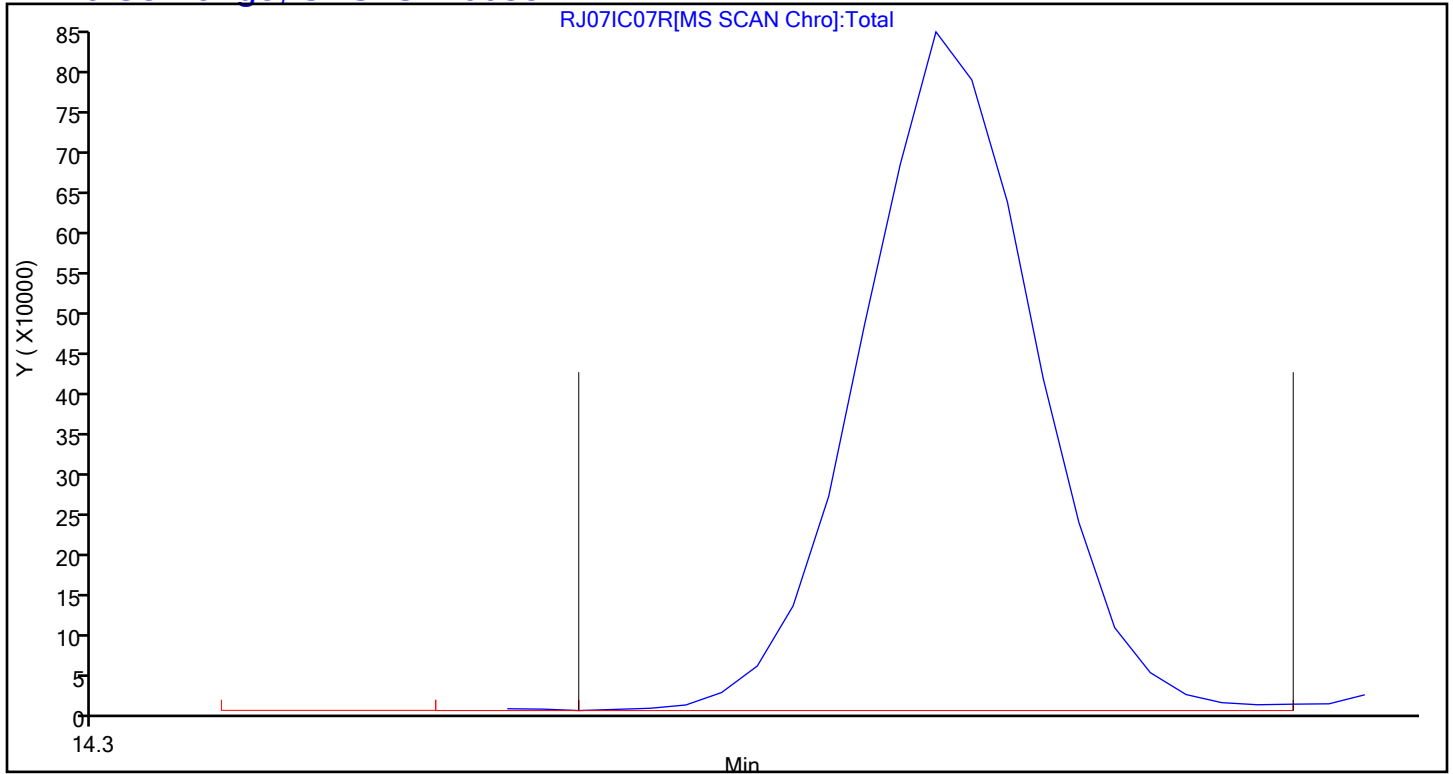
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Lims ID: IC L5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 08-Oct-2021 07:54:30 ALS Bottle#: 3 Worklist Smp#: 23
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-014
 Misc. Info.: 427822
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub16
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 11:25:55 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh

Date: 08-Oct-2021 10:53:37

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	8.598	8.598	0.000	80	342770	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.841	10.842	-0.001	93	1652448	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.775	15.762	0.013	84	1307298	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.441	17.437	0.004	96	841220	4.64	4.60	
6 Chlorodifluoromethane	51	3.367	3.359	0.008	99	45043	0.4000	0.4527	
7 Propene	41	3.373	3.362	0.011	80	24784	0.4000	0.4153	
8 Dichlorodifluoromethane	85	3.427	3.417	0.010	99	93936	0.4000	0.4471	
9 Chloromethane	52	3.610	3.600	0.010	97	8446	0.4000	0.4350	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.626	3.613	0.013	89	76964	0.4000	0.4091	
12 Vinyl chloride	62	3.783	3.773	0.009	50	32603	0.4000	0.3778	
11 Acetaldehyde	44	3.777	3.769	0.008	88	78229	2.00	2.28	
13 Butane	43	3.874	3.860	0.014	88	51800	0.4000	0.4240	
14 Butadiene	54	3.880	3.860	0.020	62	19793	0.4000	0.3830	
15 Bromomethane	94	4.187	4.181	0.006	97	44567	0.4000	0.3976	
16 Chloroethane	64	4.338	4.324	0.014	92	17803	0.4000	0.4015	
17 Ethanol	31	4.462	4.459	0.003	96	107300	2.00	1.99	
18 Vinyl bromide	106	4.635	4.624	0.010	98	45323	0.4000	0.4065	
19 2-Methylbutane	43	4.683	4.672	0.011	90	40263	0.4000	0.3811	
20 Trichlorofluoromethane	101	4.904	4.894	0.010	98	91458	0.4000	0.4081	
21 Acrolein	56	4.920	4.921	-0.001	58	9379	0.4000	0.4236	
22 Acetonitrile	40	5.001	5.010	-0.009	96	11903	0.4000	0.3875	
23 Acetone	58	5.055	5.040	0.015	99	45666	1.20	1.44	
25 Pentane	72	5.136	5.123	0.013	93	4899	0.4000	0.4785	
24 Isopropyl alcohol	45	5.152	5.155	-0.003	95	115316	1.20	1.19	
26 Ethyl ether	31	5.314	5.291	0.023	86	44131	0.4000	0.4417	
27 1,1-Dichloroethene	96	5.621	5.617	0.004	97	32796	0.4000	0.3802	
28 2-Methyl-2-propanol	59	5.778	5.773	0.005	86	42785	0.4000	0.3970	
29 Acrylonitrile	53	5.762	5.748	0.014	94	18061	0.4000	0.4173	
30 112TCTFE	101	5.815	5.800	0.015	94	79472	0.4000	0.4244	
31 Methylene Chloride	84	5.977	5.980	-0.003	90	34611	0.4000	0.4263	

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	6.004	5.995	0.009	91	28984	0.4000	0.3734	
33 Carbon disulfide	76	6.134	6.133	0.001	99	104969	0.4000	0.4212	
34 trans-1,2-Dichloroethene	96	6.813	6.806	0.007	94	34019	0.4000	0.4097	
35 2-Methylpentane	43	6.835	6.823	0.012	95	73695	0.4000	0.4291	
36 Methyl tert-butyl ether	73	6.953	6.945	0.008	96	80002	0.4000	0.4152	
37 1,1-Dichloroethane	63	7.250	7.242	0.008	99	55859	0.4000	0.4286	
38 Vinyl acetate	43	7.363	7.362	0.001	99	84875	0.4000	0.4395	
39 2-Butanone (MEK)	72	7.843	7.826	0.017	91	16372	0.4000	0.3999	
40 Hexane	56	7.827	7.825	0.002	70	21593	0.4000	0.4325	
41 Isopropyl ether	45	8.010	8.005	0.005	94	104271	0.4000	0.4215	
42 cis-1,2-Dichloroethene	96	8.258	8.255	0.003	85	38636	0.4000	0.4208	
43 Ethyl acetate	43	8.452	8.452	0.000	97	76229	0.4000	0.4254	
44 Chloroform	83	8.609	8.609	0.000	36	78584	0.4000	0.4242	
45 Tert-butyl ethyl ether	59	8.706	8.695	0.011	95	80877	0.4000	0.4419	
46 Tetrahydrofuran	42	9.029	9.015	0.014	94	39743	0.4000	0.4421	
47 1,1,1-Trichloroethane	97	9.655	9.651	0.004	94	80086	0.4000	0.4398	
48 1,2-Dichloroethane	62	9.773	9.774	-0.001	96	42871	0.4000	0.4161	
49 n-Butanol	31	10.259	10.251	0.008	68	17134	0.4000	0.3675	
50 Cyclohexane	69	10.253	10.258	-0.005	86	18038	0.4000	0.4481	
51 Benzene	78	10.280	10.271	0.009	93	113002	0.4000	0.4152	
52 Carbon tetrachloride	117	10.296	10.287	0.009	96	59354	0.4000	0.3115	
53 2,3-Dimethylpentane	71	10.399	10.394	0.005	91	23842	0.4000	0.4224	
54 Thiophene	84	10.555	10.553	0.002	91	69329	0.4000	0.4423	
55 Isooctane	57	11.062	11.054	0.008	95	150292	0.4000	0.4226	
56 n-Heptane	71	11.450	11.444	0.006	95	38087	0.4000	0.4239	
57 1,2-Dichloropropane	63	11.537	11.532	0.005	92	42150	0.4000	0.4060	
58 Trichloroethene	130	11.564	11.565	-0.001	95	54076	0.4000	0.3810	
59 Dibromomethane	93	11.661	11.657	0.004	94	51930	0.4000	0.3598	
60 Dichlorobromomethane	83	11.812	11.803	0.009	97	74846	0.4000	0.3717	
61 1,4-Dioxane	88	11.833	11.820	0.013	56	14932	0.4000	0.3495	
62 Methyl methacrylate	41	11.909	11.902	0.007	93	42454	0.4000	0.3610	
63 Methylcyclohexane	83	12.378	12.347	0.031	92	58346	0.4000	0.3692	
64 4-Methyl-2-pentanone (MIBK)	43	12.820	12.790	0.030	96	73618	0.4000	0.3540	
65 cis-1,3-Dichloropropene	75	12.879	12.849	0.030	94	54744	0.4000	0.3636	
66 trans-1,3-Dichloropropene	75	13.618	13.590	0.028	96	48083	0.4000	0.3766	
67 Toluene	91	13.737	13.711	0.026	97	114776	0.4000	0.3924	
68 1,1,2-Trichloroethane	83	13.823	13.797	0.026	93	38285	0.4000	0.3953	
69 2-Hexanone	58	14.222	14.202	0.020	87	26907	0.4000	0.3870	
70 n-Octane	85	14.454	14.431	0.023	93	29297	0.4000	0.3705	
71 Chlorodibromomethane	129	14.551	14.532	0.019	96	78543	0.4000	0.3711	
72 Ethylene Dibromide	107	14.848	14.835	0.013	96	70202	0.4000	0.3849	
73 Tetrachloroethene	129	14.923	14.907	0.016	96	51434	0.4000	0.3722	
74 Chlorobenzene	112	15.824	15.813	0.011	96	107105	0.4000	0.4083	
75 2,3-Dimethylheptane	43	15.834	15.826	0.008	95	110612	0.4000	0.4013	
76 Ethylbenzene	91	16.115	16.107	0.008	97	155579	0.4000	0.3931	
77 m-Xylene & p-Xylene	91	16.282	16.271	0.011	95	231481	0.8000	0.7538	
78 n-Nonane	57	16.703	16.695	0.008	89	60954	0.4000	0.4023	
79 Bromoform	173	16.746	16.737	0.009	95	84742	0.4000	0.3944	
80 Styrene	104	16.757	16.747	0.010	96	87768	0.4000	0.3572	
81 o-Xylene	91	16.810	16.807	0.003	98	122621	0.4000	0.3914	
82 1,1,2,2-Tetrachloroethane	83	17.150	17.143	0.007	98	99707	0.4000	0.3912	
83 1,2,3-Trichloropropane	110	17.312	17.307	0.005	97	25936	0.4000	0.4113	

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	17.409	17.403	0.006	94	188411	0.4000	0.3901	
85 N-Propylbenzene	120	17.948	17.948	0.000	99	55022	0.4000	0.3937	
86 2-Chlorotoluene	126	17.997	17.994	0.003	95	54200	0.4000	0.3938	
88 4-Ethyltoluene	105	18.099	18.097	0.002	99	184087	0.4000	0.3883	
87 1,3,5-Trimethylbenzene	120	18.175	18.170	0.005	92	77379	0.4000	0.3785	
89 Alpha Methyl Styrene	118	18.407	18.402	0.005	88	65747	0.4000	0.3619	
90 n-Decane	57	18.455	18.452	0.003	86	71349	0.4000	0.3744	
91 tert-Butylbenzene	119	18.595	18.596	-0.001	94	171810	0.4000	0.3920	
92 1,2,4-Trimethylbenzene	105	18.612	18.609	0.003	95	163123	0.4000	0.3883	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	247636	0.4000	0.3921	
94 1,3-Dichlorobenzene	146	18.881	18.882	-0.001	96	104268	0.4000	0.3531	
95 Benzyl chloride	91	18.957	18.959	-0.002	99	86255	0.4000	0.3832	
96 1,4-Dichlorobenzene	146	18.967	18.970	-0.003	94	94709	0.4000	0.3406	
97 4-Isopropyltoluene	119	19.027	19.026	0.001	97	195620	0.4000	0.3863	
98 1,2,3-Trimethylbenzene	105	19.081	19.082	-0.001	96	165064	0.4000	0.4104	
99 Butylcyclohexane	83	19.129	19.131	-0.002	98	129999	0.4000	0.4015	
101 1,2-Dichlorobenzene	146	19.329	19.331	-0.002	95	103887	0.4000	0.3644	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	93	151052	0.4000	0.3600	
103 n-Butylbenzene	91	19.458	19.459	-0.001	96	176284	0.4000	0.3669	
102 Indene	116	19.458	19.459	-0.001	82	114754	0.4000	0.3788	
104 Undecane	57	19.760	19.761	-0.001	92	92345	0.4000	0.4048	
105 1,2-Dibromo-3-Chloropropane	157	19.933	19.933	0.000	96	47982	0.4000	0.4146	
106 1,2,4,5-Tetramethylbenzene	119	20.208	20.212	-0.004	97	181492	0.4000	0.3868	
107 Dodecane	57	20.822	20.824	-0.002	87	91798	0.4000	0.3841	
108 1,2,4-Trichlorobenzene	180	21.038	21.040	-0.002	93	56729	0.4000	0.3630	
109 Naphthalene	128	21.184	21.186	-0.002	99	138257	0.4000	0.3335	
110 Hexachlorobutadiene	225	21.394	21.397	-0.003	95	118571	0.4000	0.3418	
111 1,2,3-Trichlorobenzene	180	21.469	21.472	-0.003	96	82173	0.4000	0.3446	
112 2-Methylnaphthalene	142	22.095	22.095	0.000	99	68733	0.4000	0.3198	
113 1-Methylnaphthalene	142	22.219	22.221	-0.002	95	116269	0.4000	0.3578	
A 116 C8 Range	1	14.454	(14.405-14.492)		0	313114	0.4000	0.3788	
S 117 Xylenes, Total	100				0		1.20	1.15	
S 118 1,2-Dichloroethene, Total	1				0		0.8000	0.8305	

Reagents:

40L6DQP_00028

Amount Added: 80.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D

Injection Date: 08-Oct-2021 07:54:30

Instrument ID: MR

Operator ID: HMT

Lims ID: IC L5

Worklist Smp#: 23

Client ID:

Purge Vol: 500.000 mL

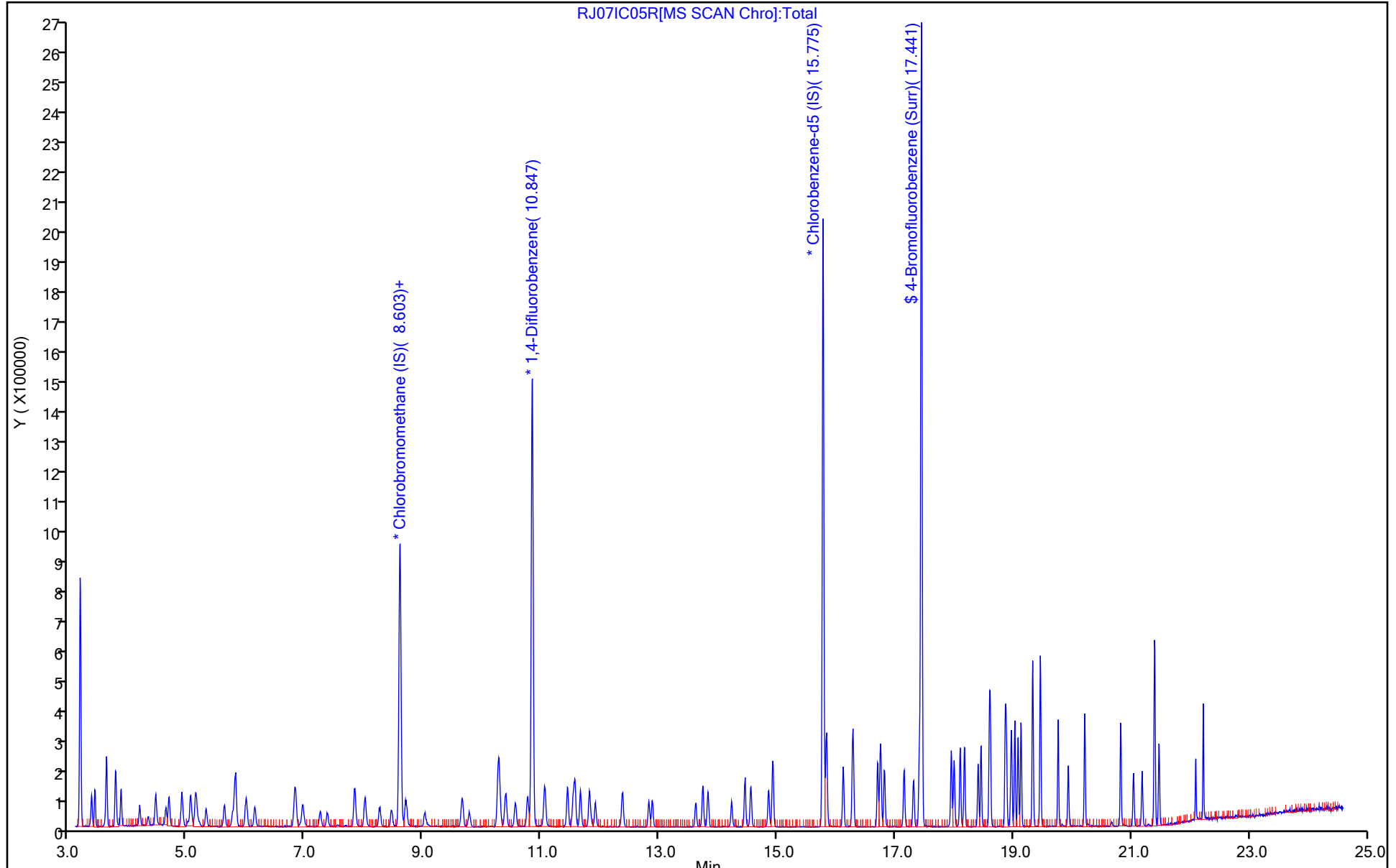
Dil. Factor: 1.0000

ALS Bottle#: 3

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\20211007-20984.b\RJ07IC05R.D

Injection Date: 08-Oct-2021 07:54:30

Instrument ID: MR

Lims ID: IC L5

Client ID:

Operator ID: HMT

ALS Bottle#: 3

Worklist Smp#: 23

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

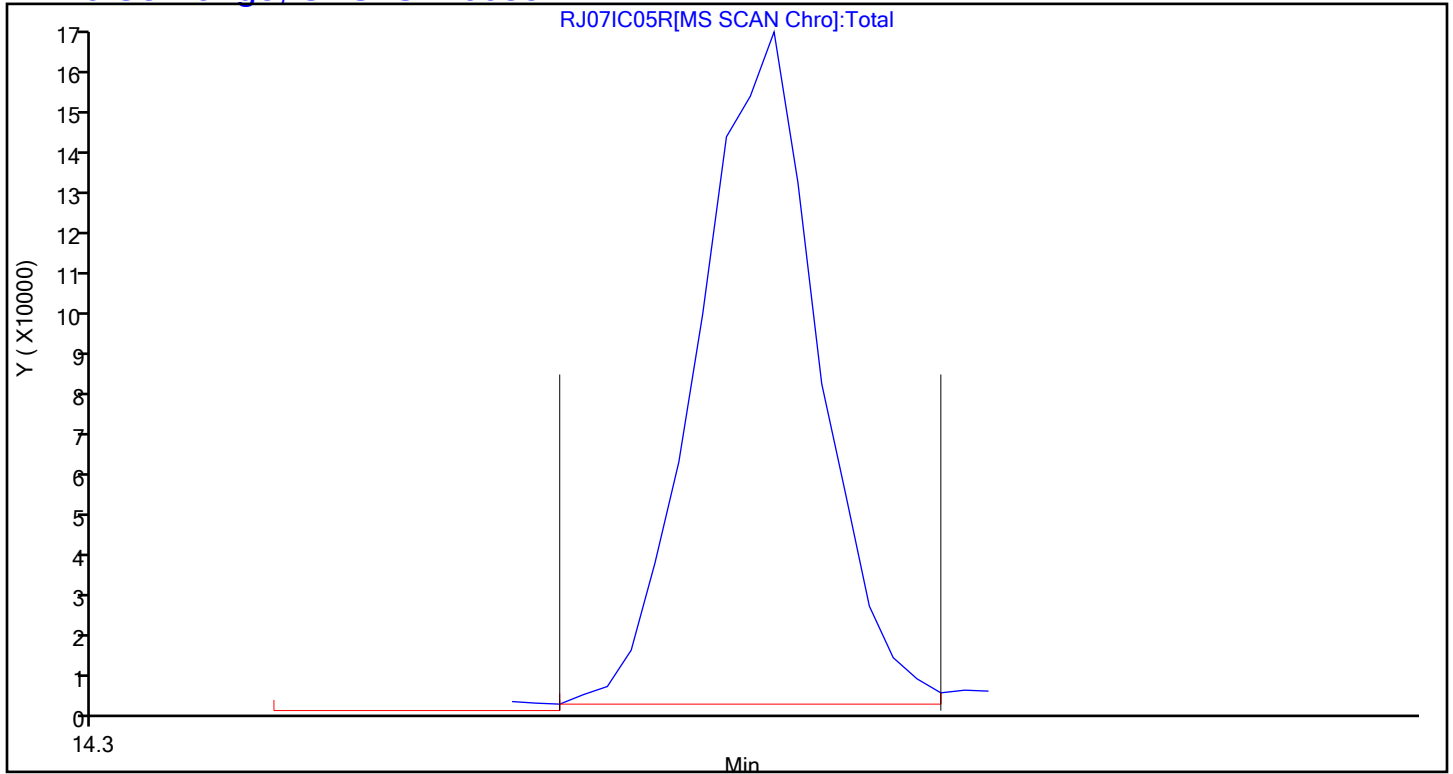
Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 116 C8 Range, CAS: STL00834



Calibration

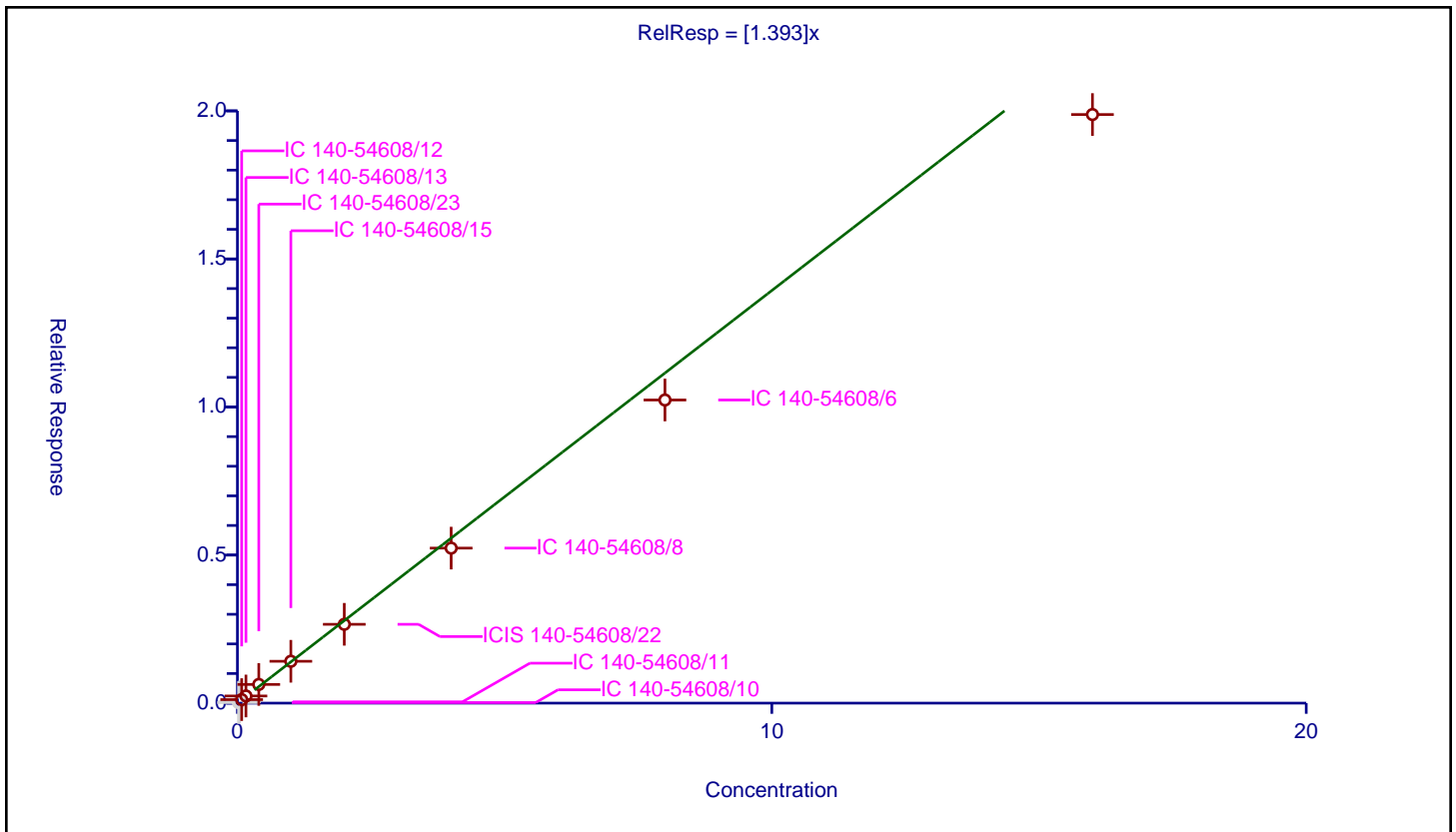
/ Chlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	1.393

Error Coefficients	
Standard Error:	578000
Relative Standard Error:	8.7
Correlation Coefficient:	0.974
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.018858	4.8	392749.0	0.942892	N
2	IC 140-54608/11	0.04	0.04384	4.8	336243.0	1.095993	N
3	IC 140-54608/12	0.08	0.11889	4.8	318505.0	1.486131	Y
4	IC 140-54608/13	0.16	0.241495	4.8	312096.0	1.509343	Y
5	IC 140-54608/23	0.4	0.630762	4.8	342770.0	1.576906	Y
6	IC 140-54608/15	1.0	1.413157	4.8	313358.0	1.413157	Y
7	ICIS 140-54608/22	2.0	2.661737	4.8	332789.0	1.330869	Y
8	IC 140-54608/8	4.0	5.234677	4.8	382044.0	1.308669	Y
9	IC 140-54608/6	8.0	10.236521	4.8	379749.0	1.279565	Y
10	IC 140-54608/4	16.0	19.877013	4.8	292050.0	1.242313	Y



Calibration

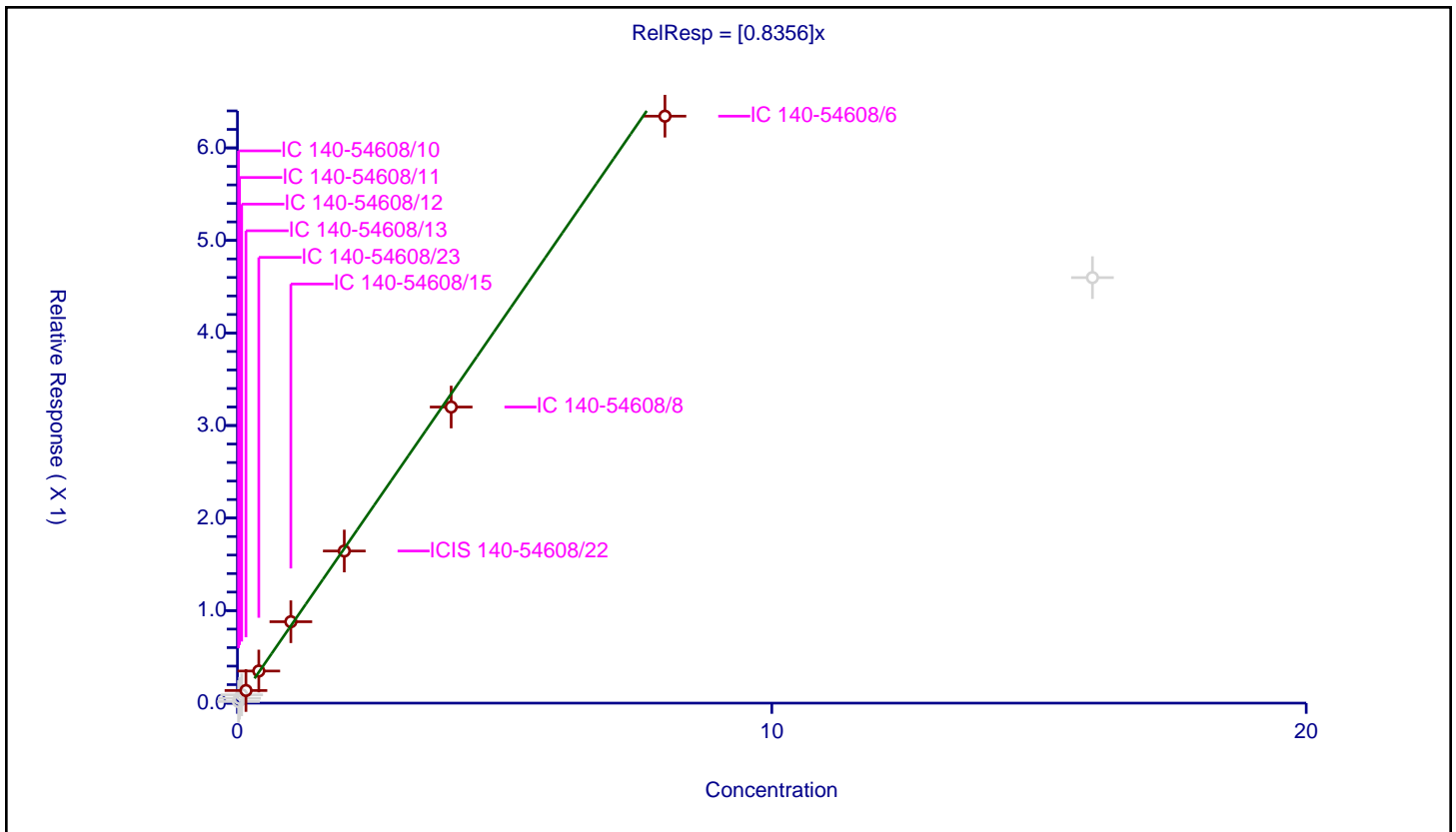
/ Propene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8356

Error Coefficients	
Standard Error:	258000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.017098	4.8	392749.0	0.854897	N
2	IC 140-54608/11	0.04	0.052291	4.8	336243.0	1.307269	N
3	IC 140-54608/12	0.08	0.090347	4.8	318505.0	1.129339	N
4	IC 140-54608/13	0.16	0.13625	4.8	312096.0	0.851565	Y
5	IC 140-54608/23	0.4	0.347064	4.8	342770.0	0.867661	Y
6	IC 140-54608/15	1.0	0.879694	4.8	313358.0	0.879694	Y
7	ICIS 140-54608/22	2.0	1.643838	4.8	332789.0	0.821919	Y
8	IC 140-54608/8	4.0	3.199724	4.8	382044.0	0.799931	Y
9	IC 140-54608/6	8.0	6.34307	4.8	379749.0	0.792884	Y
10	IC 140-54608/4	16.0	4.598369	4.8	292050.0	0.287398	N



Calibration

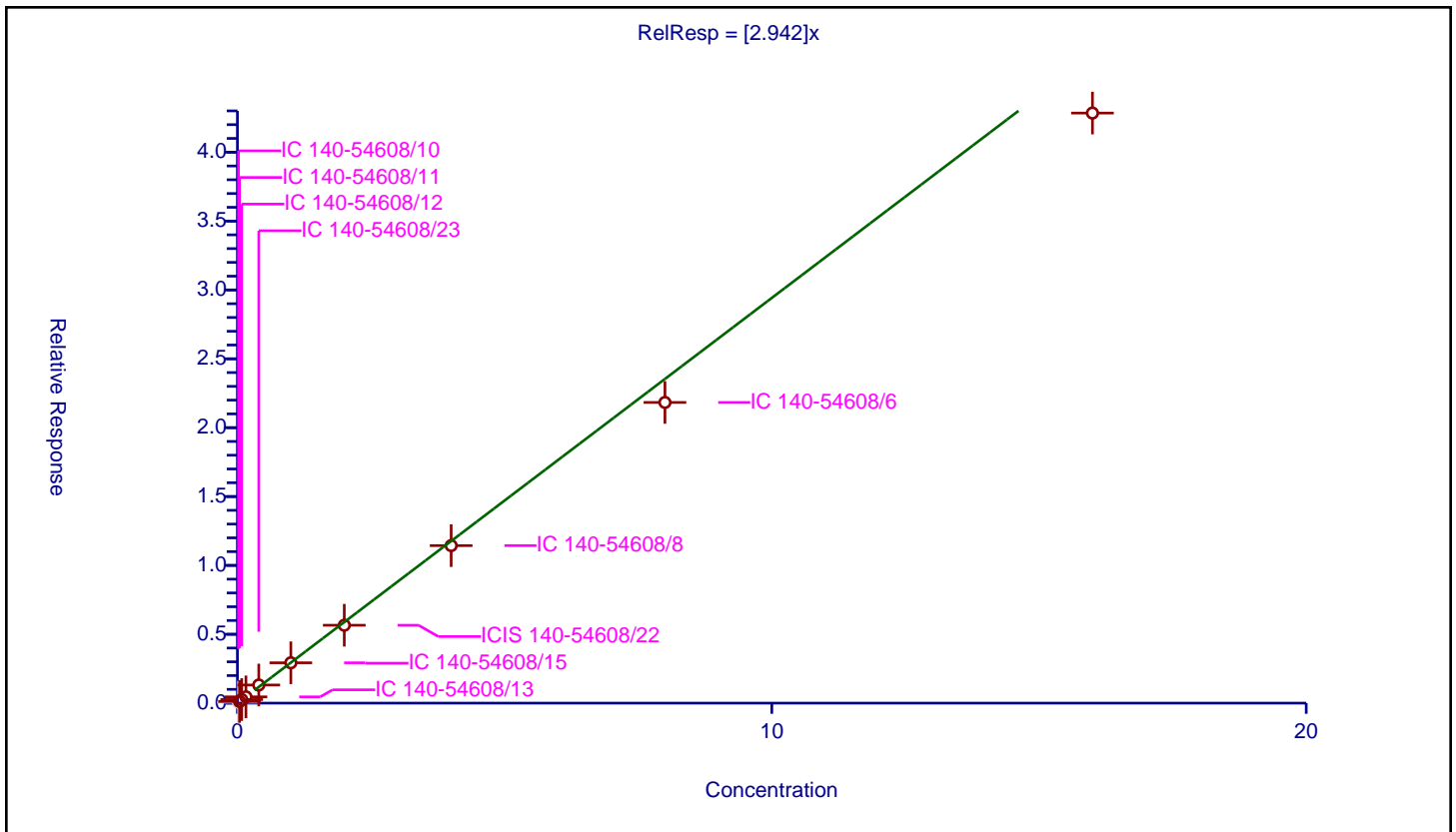
/ Dichlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	2.942

Error Coefficients	
Standard Error:	1160000
Relative Standard Error:	7.4
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.071313	4.8	392749.0	3.565636	N
2	IC 140-54608/11	0.04	0.122683	4.8	336243.0	3.067068	Y
3	IC 140-54608/12	0.08	0.260492	4.8	318505.0	3.25615	Y
4	IC 140-54608/13	0.16	0.455245	4.8	312096.0	2.845278	Y
5	IC 140-54608/23	0.4	1.315438	4.8	342770.0	3.288596	Y
6	IC 140-54608/15	1.0	2.927749	4.8	313358.0	2.927749	Y
7	ICIS 140-54608/22	2.0	5.654913	4.8	332789.0	2.827456	Y
8	IC 140-54608/8	4.0	11.437007	4.8	382044.0	2.859252	Y
9	IC 140-54608/6	8.0	21.83133	4.8	379749.0	2.728916	Y
10	IC 140-54608/4	16.0	42.840653	4.8	292050.0	2.677541	Y



Calibration

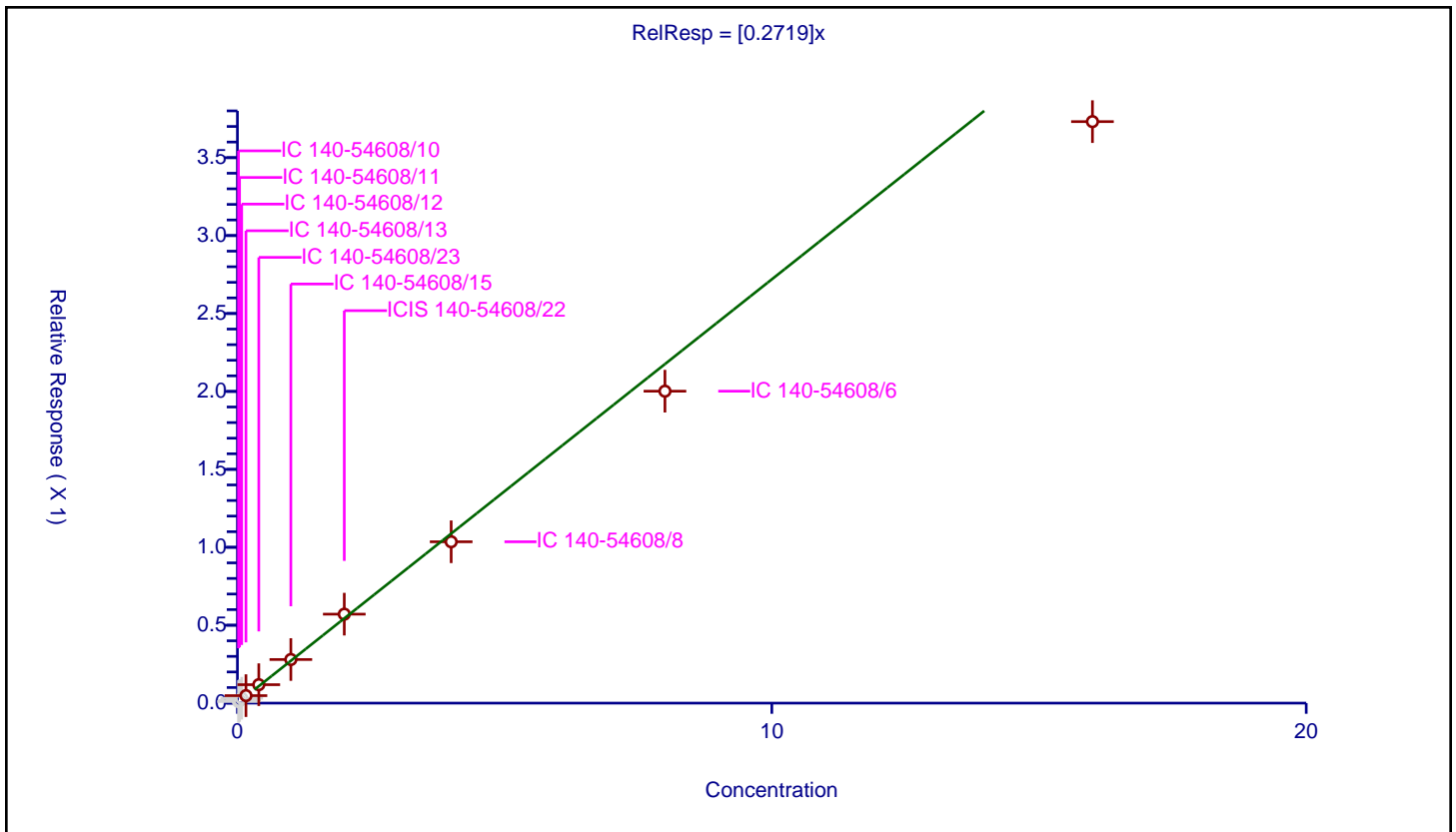
/ Chloromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2719

Error Coefficients	
Standard Error:	119000
Relative Standard Error:	9.2
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.010083	4.8	392749.0	0.504139	N
2	IC 140-54608/11	0.04	0.016245	4.8	336243.0	0.406135	N
3	IC 140-54608/12	0.08	0.031286	4.8	318505.0	0.391077	N
4	IC 140-54608/13	0.16	0.048031	4.8	312096.0	0.300196	Y
5	IC 140-54608/23	0.4	0.118274	4.8	342770.0	0.295685	Y
6	IC 140-54608/15	1.0	0.279874	4.8	313358.0	0.279874	Y
7	ICIS 140-54608/22	2.0	0.570942	4.8	332789.0	0.285471	Y
8	IC 140-54608/8	4.0	1.035261	4.8	382044.0	0.258815	Y
9	IC 140-54608/6	8.0	2.001482	4.8	379749.0	0.250185	Y
10	IC 140-54608/4	16.0	3.731082	4.8	292050.0	0.233193	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

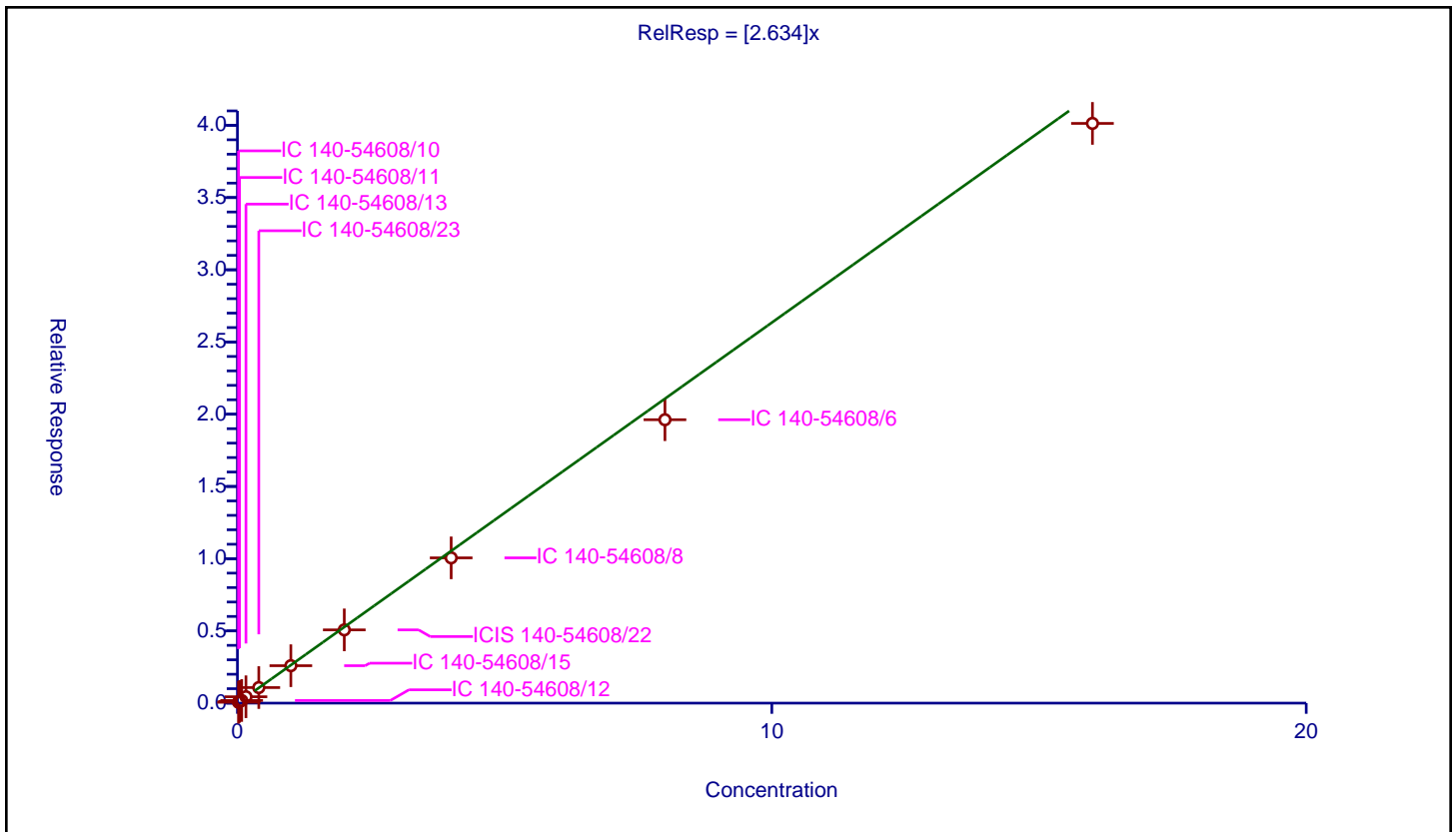
Curve Coefficients

Intercept: 0
 Slope: 2.634

Error Coefficients

Standard Error: 1010000
 Relative Standard Error: 8.9
 Correlation Coefficient: 0.984
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.060802	4.8	392749.0	3.04011	Y
2	IC 140-54608/11	0.04	0.118743	4.8	336243.0	2.968567	Y
3	IC 140-54608/12	0.08	0.182427	4.8	318505.0	2.280341	Y
4	IC 140-54608/13	0.16	0.441264	4.8	312096.0	2.757901	Y
5	IC 140-54608/23	0.4	1.07777	4.8	342770.0	2.694425	Y
6	IC 140-54608/15	1.0	2.590571	4.8	313358.0	2.590571	Y
7	ICIS 140-54608/22	2.0	5.072028	4.8	332789.0	2.536014	Y
8	IC 140-54608/8	4.0	10.057229	4.8	382044.0	2.514307	Y
9	IC 140-54608/6	8.0	19.620025	4.8	379749.0	2.452503	Y
10	IC 140-54608/4	16.0	40.132816	4.8	292050.0	2.508301	Y



Calibration

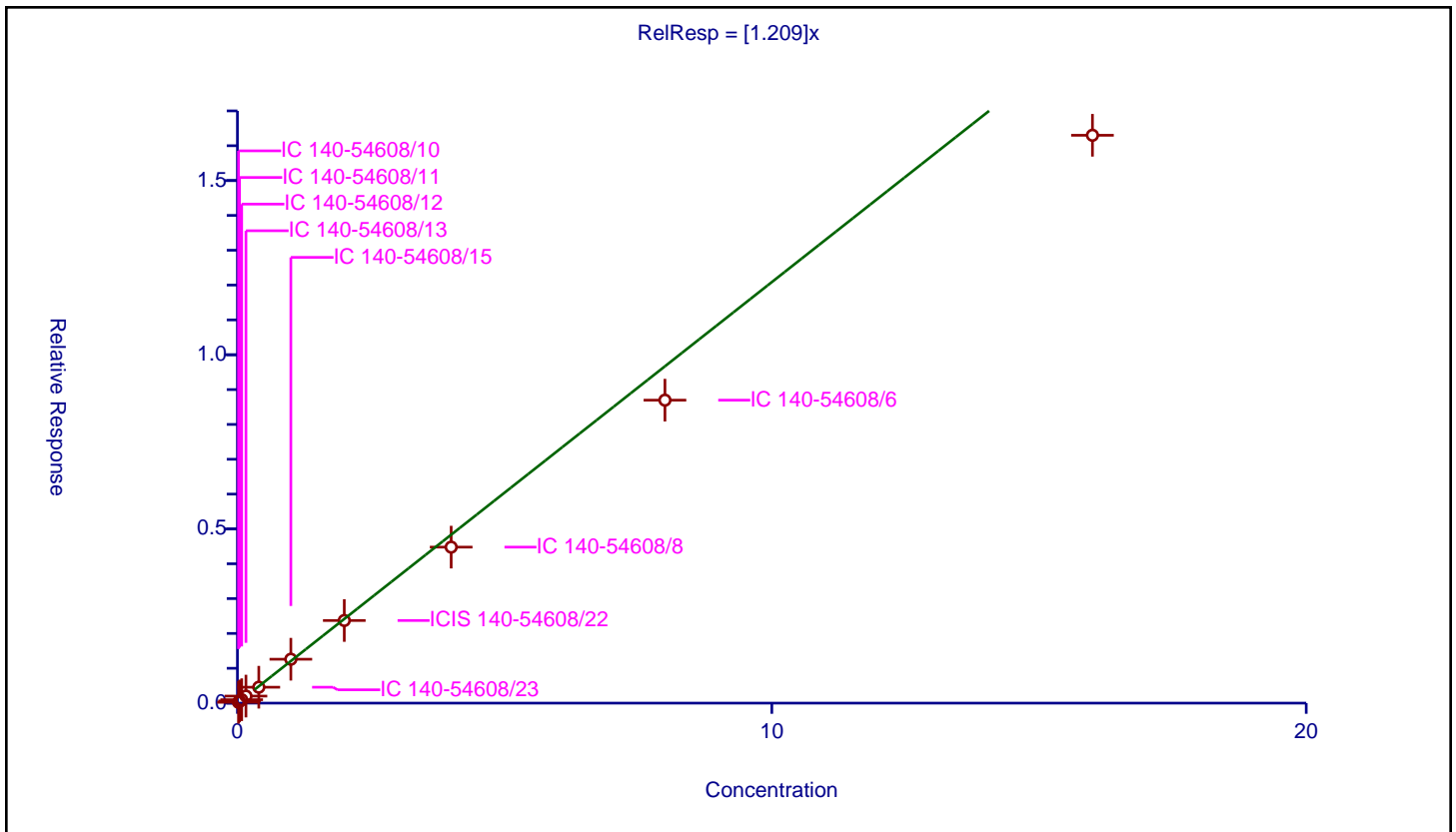
/ Vinyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	1.209

Error Coefficients	
Standard Error:	424000
Relative Standard Error:	12.2
Correlation Coefficient:	0.969
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.024321	4.8	392749.0	1.216044	Y
2	IC 140-54608/11	0.04	0.062526	4.8	336243.0	1.563155	Y
3	IC 140-54608/12	0.08	0.098334	4.8	318505.0	1.22918	Y
4	IC 140-54608/13	0.16	0.202322	4.8	312096.0	1.264515	Y
5	IC 140-54608/23	0.4	0.456558	4.8	342770.0	1.141395	Y
6	IC 140-54608/15	1.0	1.259977	4.8	313358.0	1.259977	Y
7	ICIS 140-54608/22	2.0	2.371665	4.8	332789.0	1.185832	Y
8	IC 140-54608/8	4.0	4.477834	4.8	382044.0	1.119458	Y
9	IC 140-54608/6	8.0	8.696409	4.8	379749.0	1.087051	Y
10	IC 140-54608/4	16.0	16.299834	4.8	292050.0	1.01874	Y



Calibration

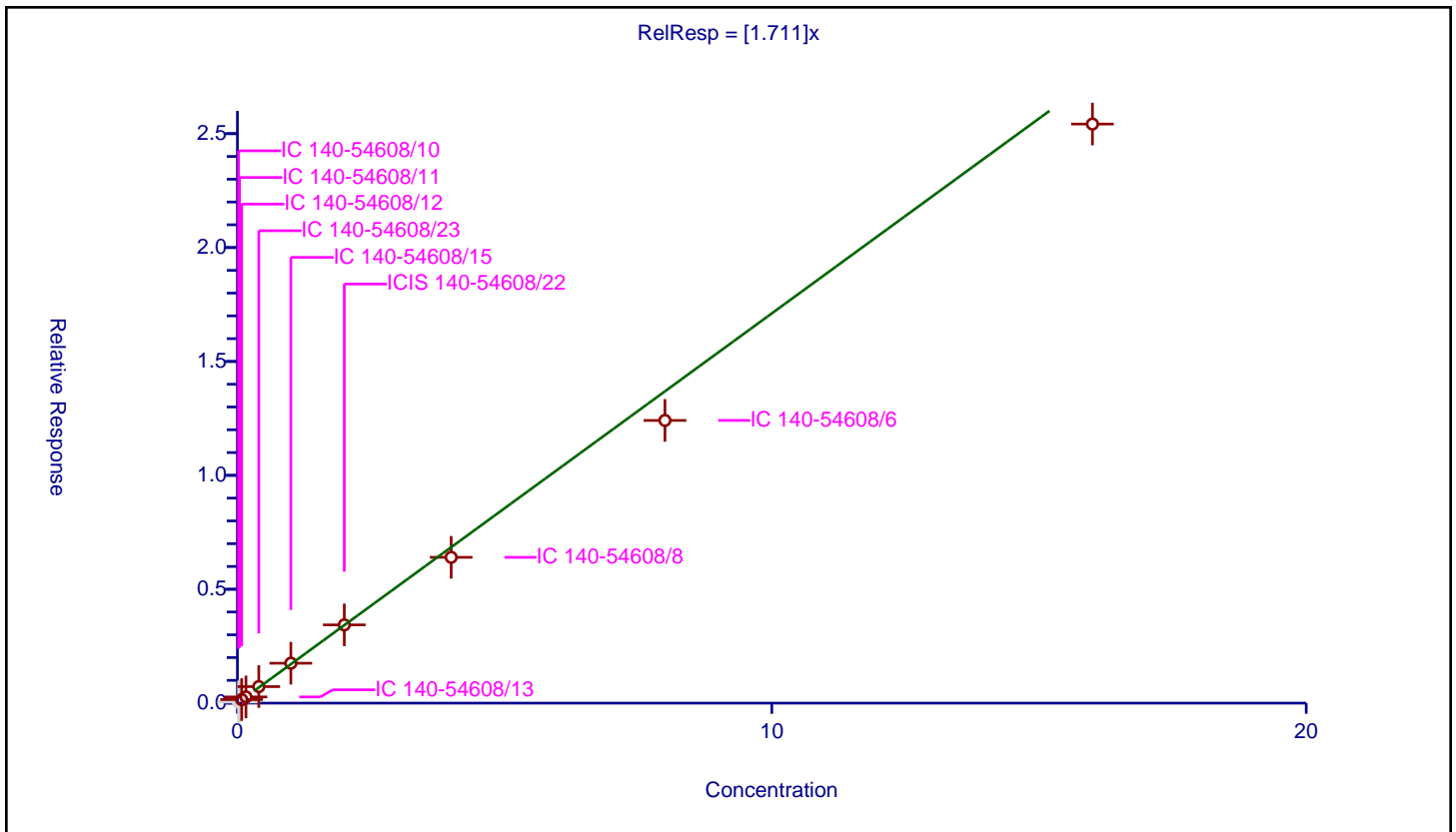
/ Butane

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

Curve Coefficients	
Intercept:	0
Slope:	1.711

Error Coefficients	
Standard Error:	726000
Relative Standard Error:	8.0
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.045941	4.8	392749.0	2.29704	N
2	IC 140-54608/11	0.04	0.088722	4.8	336243.0	2.218039	N
3	IC 140-54608/12	0.08	0.157245	4.8	318505.0	1.965558	Y
4	IC 140-54608/13	0.16	0.271932	4.8	312096.0	1.699573	Y
5	IC 140-54608/23	0.4	0.725384	4.8	342770.0	1.813461	Y
6	IC 140-54608/15	1.0	1.751591	4.8	313358.0	1.751591	Y
7	ICIS 140-54608/22	2.0	3.434205	4.8	332789.0	1.717102	Y
8	IC 140-54608/8	4.0	6.401068	4.8	382044.0	1.600267	Y
9	IC 140-54608/6	8.0	12.410652	4.8	379749.0	1.551332	Y
10	IC 140-54608/4	16.0	25.422332	4.8	292050.0	1.588896	Y



Calibration

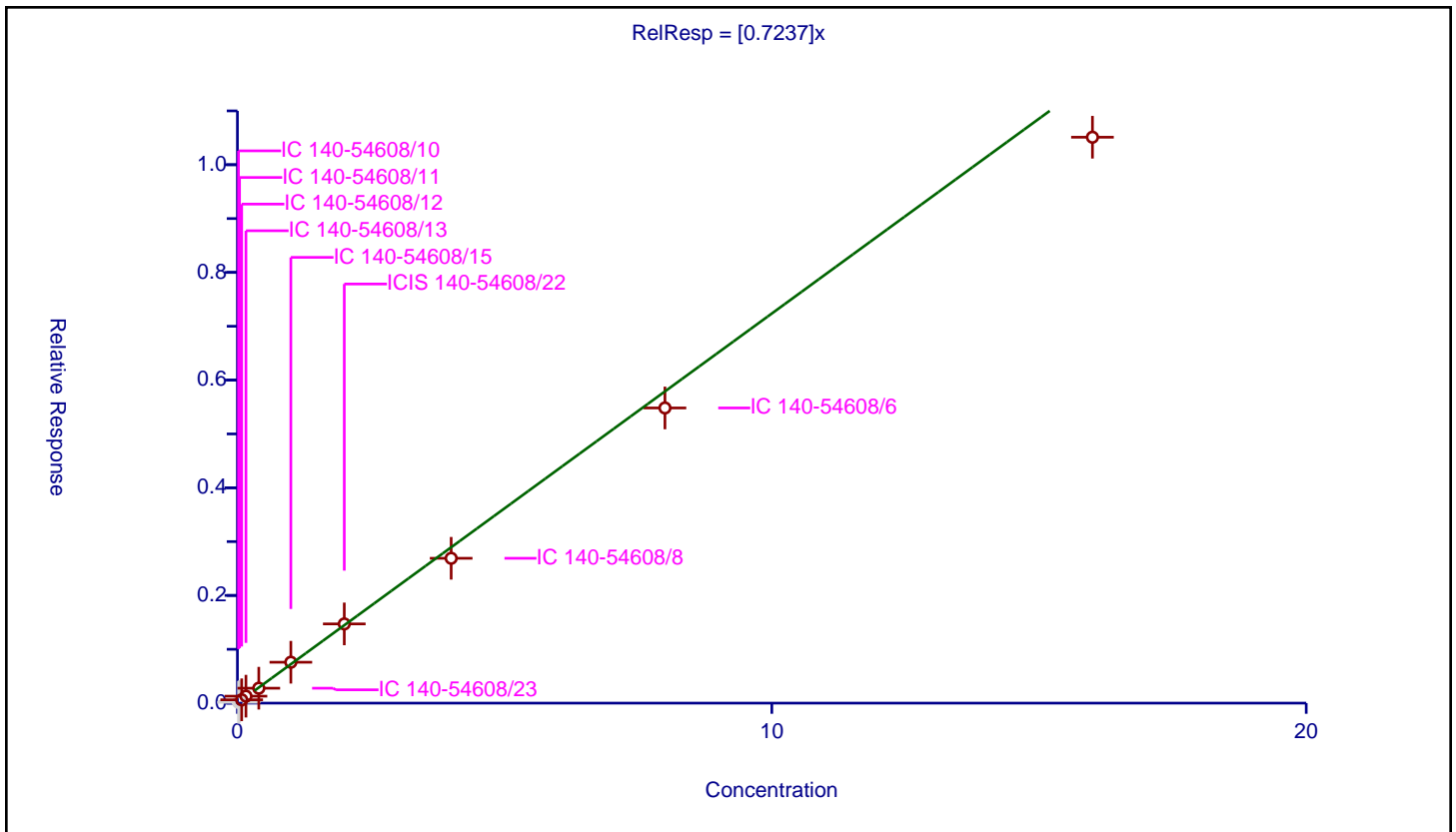
/ Butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7237

Error Coefficients	
Standard Error:	306000
Relative Standard Error:	7.6
Correlation Coefficient:	0.973
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.015069	4.8	392749.0	0.753458	N
2	IC 140-54608/11	0.04	0.031292	4.8	336243.0	0.782291	N
3	IC 140-54608/12	0.08	0.062271	4.8	318505.0	0.778387	Y
4	IC 140-54608/13	0.16	0.129283	4.8	312096.0	0.808021	Y
5	IC 140-54608/23	0.4	0.277172	4.8	342770.0	0.692931	Y
6	IC 140-54608/15	1.0	0.759464	4.8	313358.0	0.759464	Y
7	ICIS 140-54608/22	2.0	1.471332	4.8	332789.0	0.735666	Y
8	IC 140-54608/8	4.0	2.690354	4.8	382044.0	0.672588	Y
9	IC 140-54608/6	8.0	5.482303	4.8	379749.0	0.685288	Y
10	IC 140-54608/4	16.0	10.510677	4.8	292050.0	0.656917	Y



Calibration

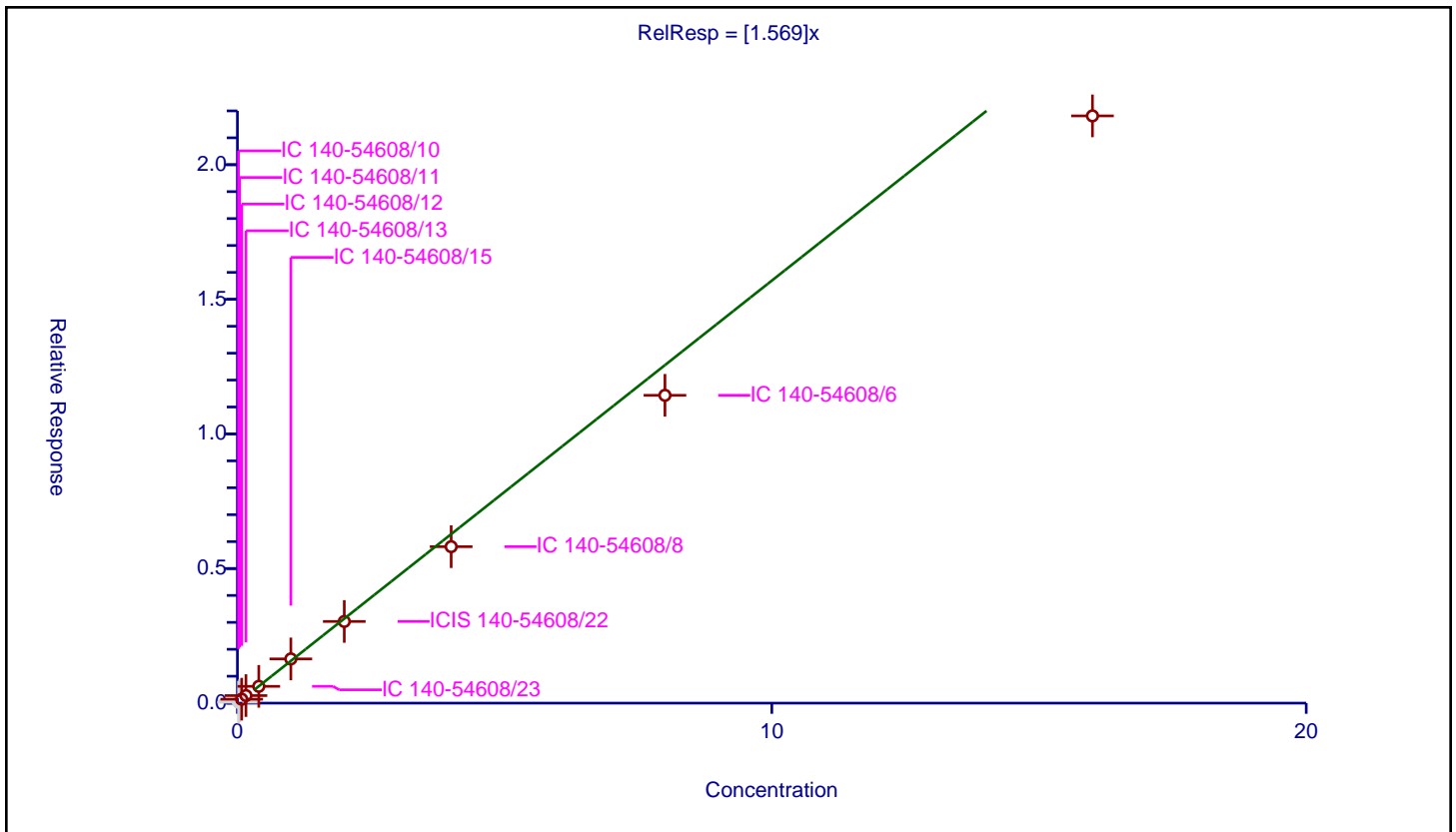
/ Bromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	1.569

Error Coefficients	
Standard Error:	638000
Relative Standard Error:	10.5
Correlation Coefficient:	0.971
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.034563	4.8	392749.0	1.728127	N
2	IC 140-54608/11	0.04	0.088322	4.8	336243.0	2.208046	N
3	IC 140-54608/12	0.08	0.146967	4.8	318505.0	1.837083	Y
4	IC 140-54608/13	0.16	0.280514	4.8	312096.0	1.753211	Y
5	IC 140-54608/23	0.4	0.624097	4.8	342770.0	1.560242	Y
6	IC 140-54608/15	1.0	1.642712	4.8	313358.0	1.642712	Y
7	ICIS 140-54608/22	2.0	3.03372	4.8	332789.0	1.51686	Y
8	IC 140-54608/8	4.0	5.812394	4.8	382044.0	1.453099	Y
9	IC 140-54608/6	8.0	11.434395	4.8	379749.0	1.429299	Y
10	IC 140-54608/4	16.0	21.813958	4.8	292050.0	1.363372	Y



Calibration

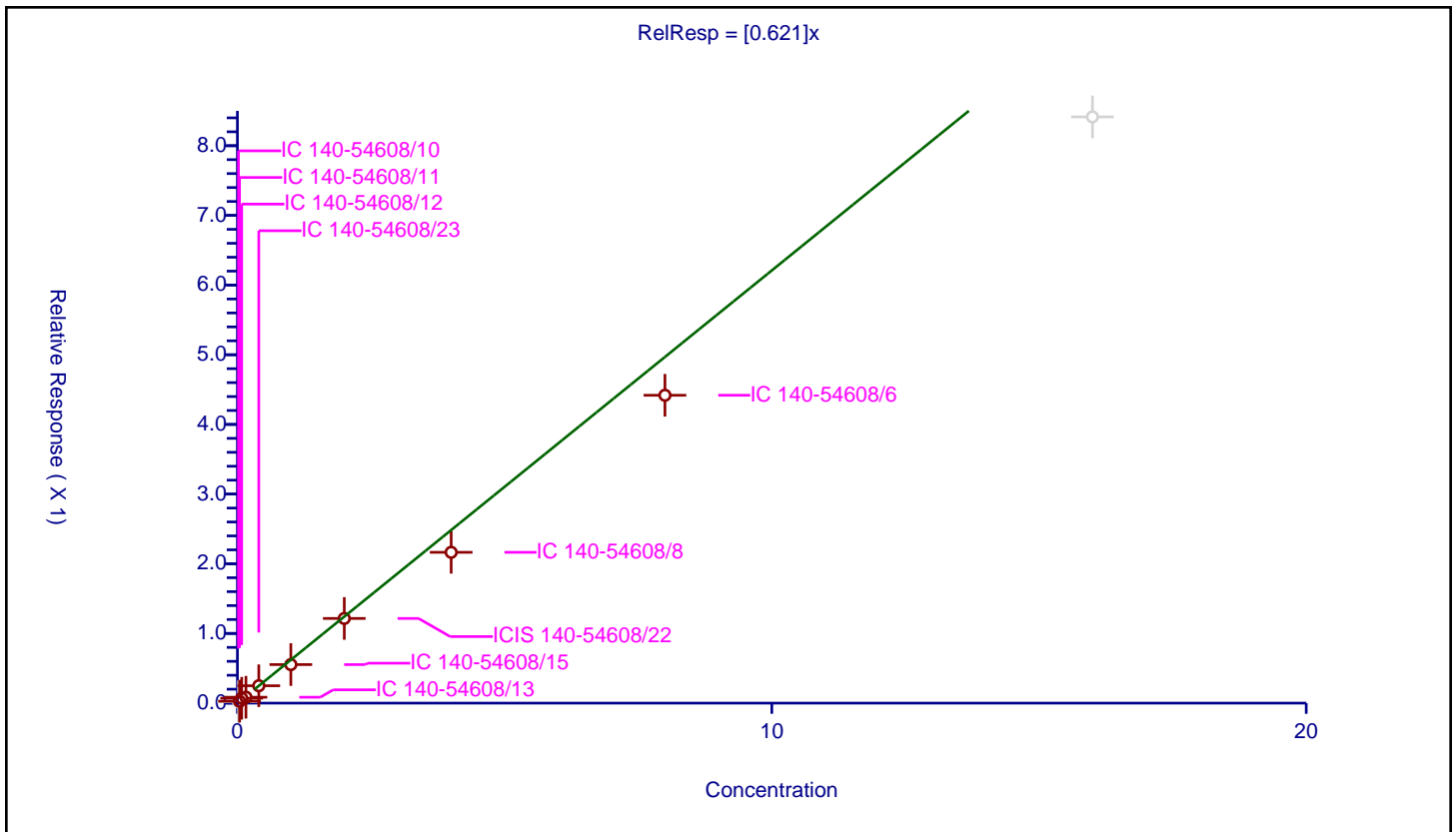
/ Chloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.621

Error Coefficients	
Standard Error:	151000
Relative Standard Error:	18.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.020324	4.8	392749.0	1.016222	N
2	IC 140-54608/11	0.04	0.027323	4.8	336243.0	0.683077	Y
3	IC 140-54608/12	0.08	0.070303	4.8	318505.0	0.878793	Y
4	IC 140-54608/13	0.16	0.084528	4.8	312096.0	0.528299	Y
5	IC 140-54608/23	0.4	0.249305	4.8	342770.0	0.623263	Y
6	IC 140-54608/15	1.0	0.553483	4.8	313358.0	0.553483	Y
7	ICIS 140-54608/22	2.0	1.215357	4.8	332789.0	0.607679	Y
8	IC 140-54608/8	4.0	2.164387	4.8	382044.0	0.541097	Y
9	IC 140-54608/6	8.0	4.418653	4.8	379749.0	0.552332	Y
10	IC 140-54608/4	16.0	8.413436	4.8	292050.0	0.52584	N



Calibration

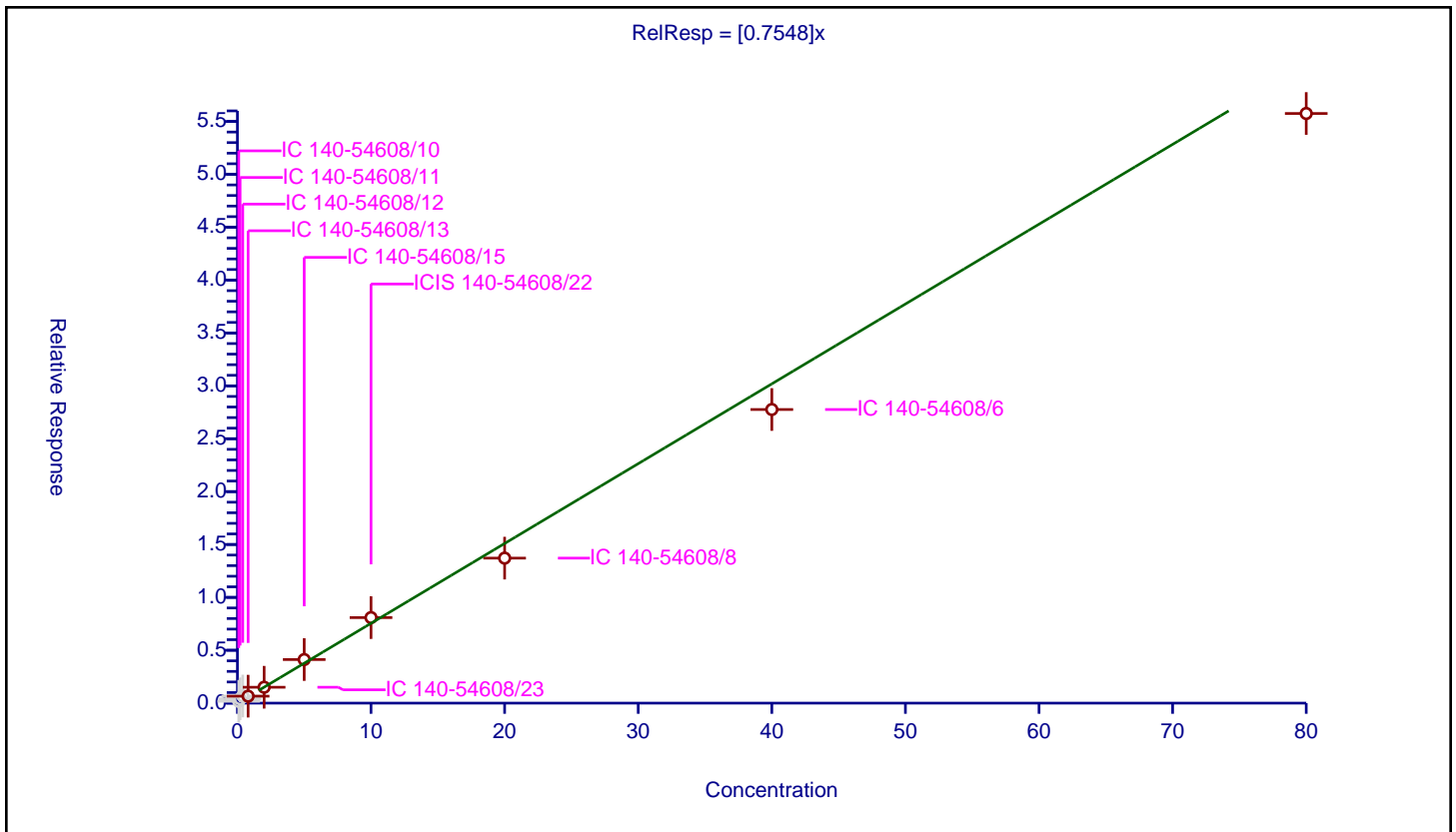
/ Ethanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.7548

Error Coefficients	
Standard Error:	1730000
Relative Standard Error:	8.4
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.1	0.175575	4.8	392749.0	1.755747	N
2	IC 140-54608/11	0.2	0.411217	4.8	336243.0	2.056084	N
3	IC 140-54608/12	0.4	0.674054	4.8	318505.0	1.685135	N
4	IC 140-54608/13	0.8	0.658028	4.8	312096.0	0.822535	Y
5	IC 140-54608/23	2.0	1.502582	4.8	342770.0	0.751291	Y
6	IC 140-54608/15	5.0	4.120067	4.8	313358.0	0.824013	Y
7	ICIS 140-54608/22	10.0	8.088267	4.8	332789.0	0.808827	Y
8	IC 140-54608/8	20.0	13.711078	4.8	382044.0	0.685554	Y
9	IC 140-54608/6	40.0	27.764714	4.8	379749.0	0.694118	Y
10	IC 140-54608/4	80.0	55.754091	4.8	292050.0	0.696926	Y



Calibration

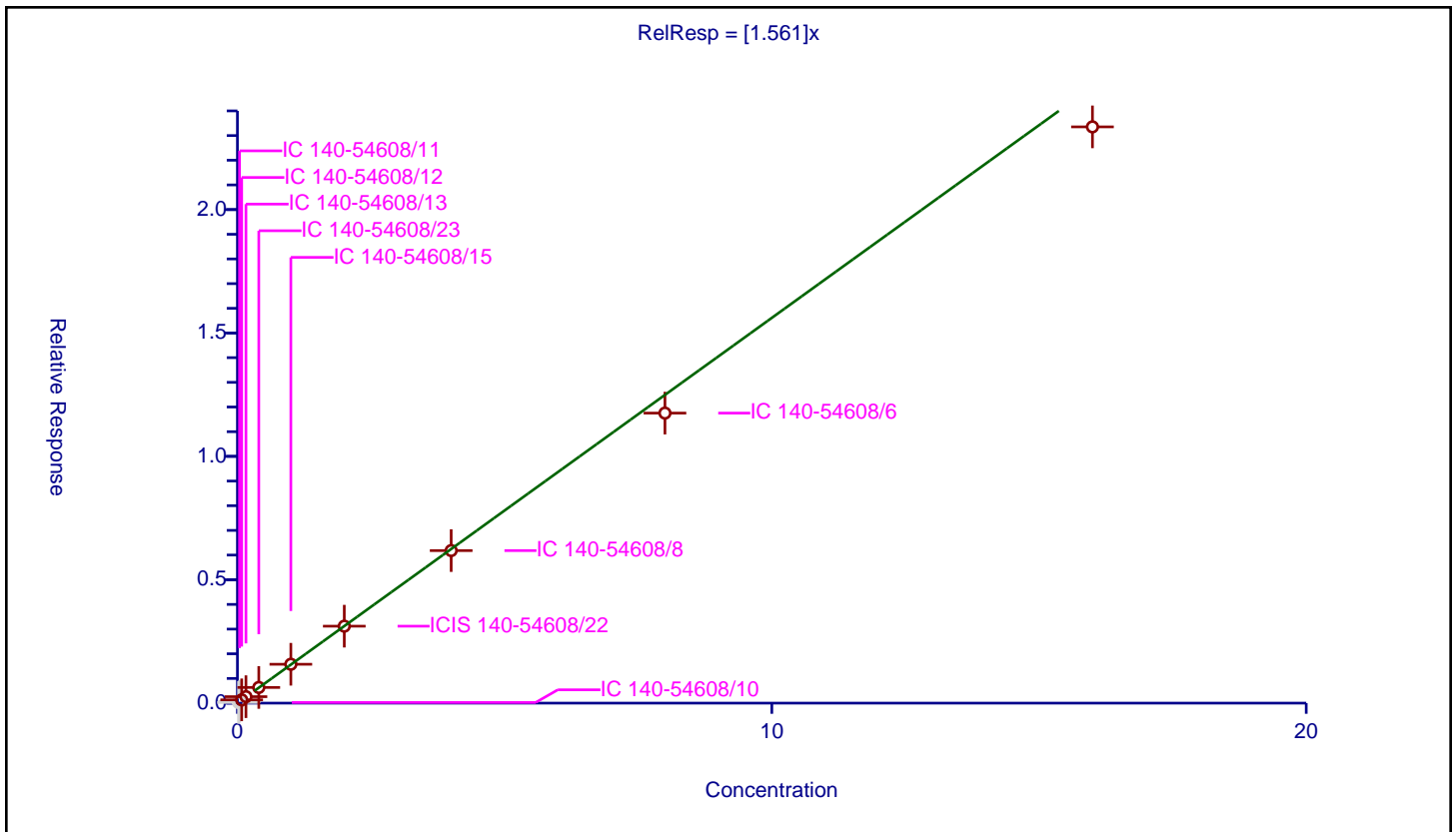
/ Vinyl bromide

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

Curve Coefficients	
Intercept:	0
Slope:	1.561

Error Coefficients	
Standard Error:	675000
Relative Standard Error:	4.5
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.026521	4.8	392749.0	1.326038	N
2	IC 140-54608/11	0.04	0.071334	4.8	336243.0	1.783353	N
3	IC 140-54608/12	0.08	0.132755	4.8	318505.0	1.65944	Y
4	IC 140-54608/13	0.16	0.261735	4.8	312096.0	1.635843	Y
5	IC 140-54608/23	0.4	0.634683	4.8	342770.0	1.586708	Y
6	IC 140-54608/15	1.0	1.574868	4.8	313358.0	1.574868	Y
7	ICIS 140-54608/22	2.0	3.118416	4.8	332789.0	1.559208	Y
8	IC 140-54608/8	4.0	6.181336	4.8	382044.0	1.545334	Y
9	IC 140-54608/6	8.0	11.752959	4.8	379749.0	1.46912	Y
10	IC 140-54608/4	16.0	23.352407	4.8	292050.0	1.459525	Y



Calibration

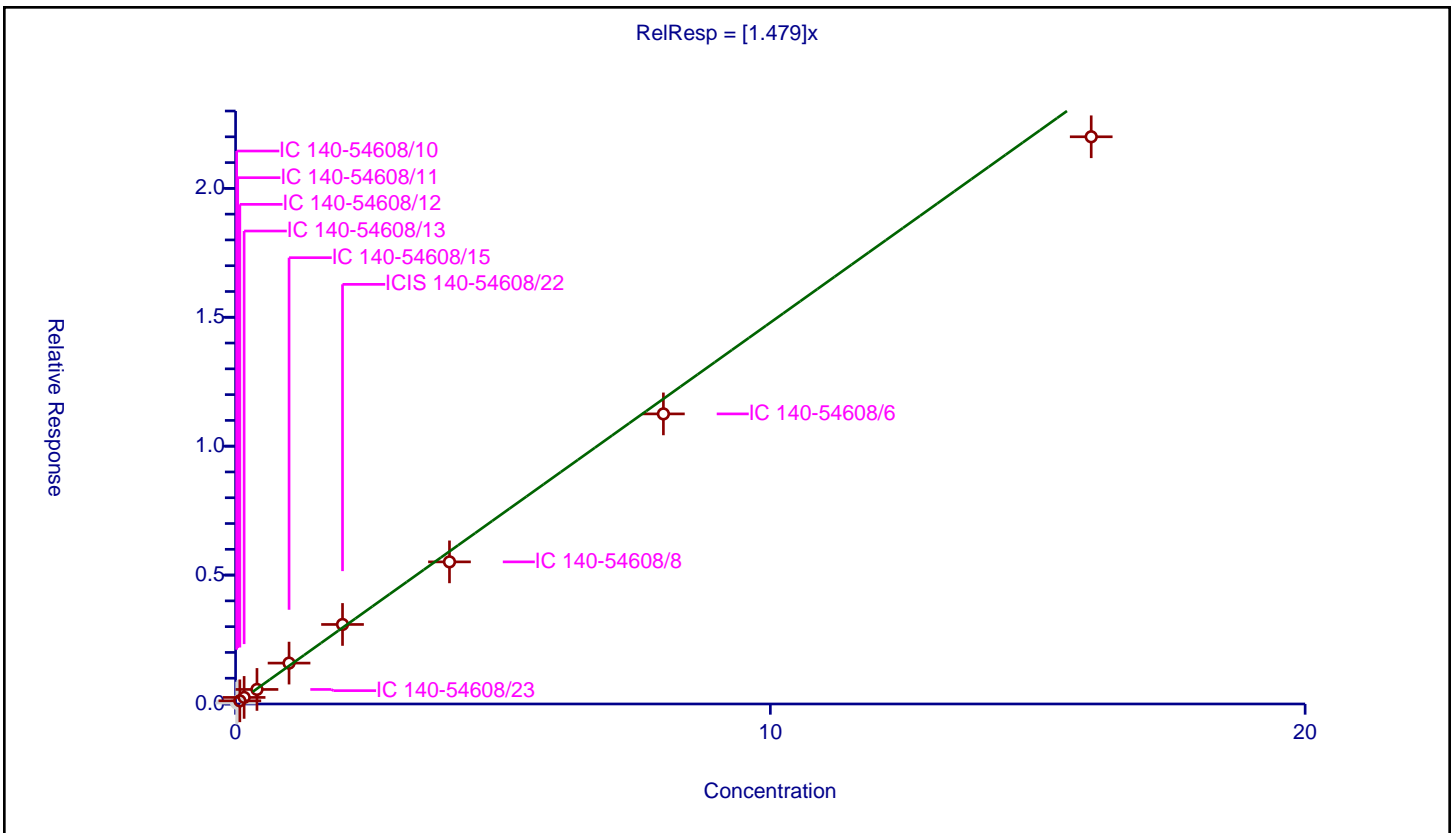
/ 2-Methylbutane

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

Curve Coefficients	
Intercept:	0
Slope:	1.479

Error Coefficients	
Standard Error:	636000
Relative Standard Error:	6.5
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.036139	4.8	392749.0	1.806956	N
2	IC 140-54608/11	0.04	0.0988	4.8	336243.0	2.469999	N
3	IC 140-54608/12	0.08	0.123607	4.8	318505.0	1.545093	Y
4	IC 140-54608/13	0.16	0.254752	4.8	312096.0	1.592202	Y
5	IC 140-54608/23	0.4	0.563825	4.8	342770.0	1.409563	Y
6	IC 140-54608/15	1.0	1.586096	4.8	313358.0	1.586096	Y
7	ICIS 140-54608/22	2.0	3.085299	4.8	332789.0	1.54265	Y
8	IC 140-54608/8	4.0	5.512806	4.8	382044.0	1.378201	Y
9	IC 140-54608/6	8.0	11.252152	4.8	379749.0	1.406519	Y
10	IC 140-54608/4	16.0	22.000567	4.8	292050.0	1.375035	Y



Calibration

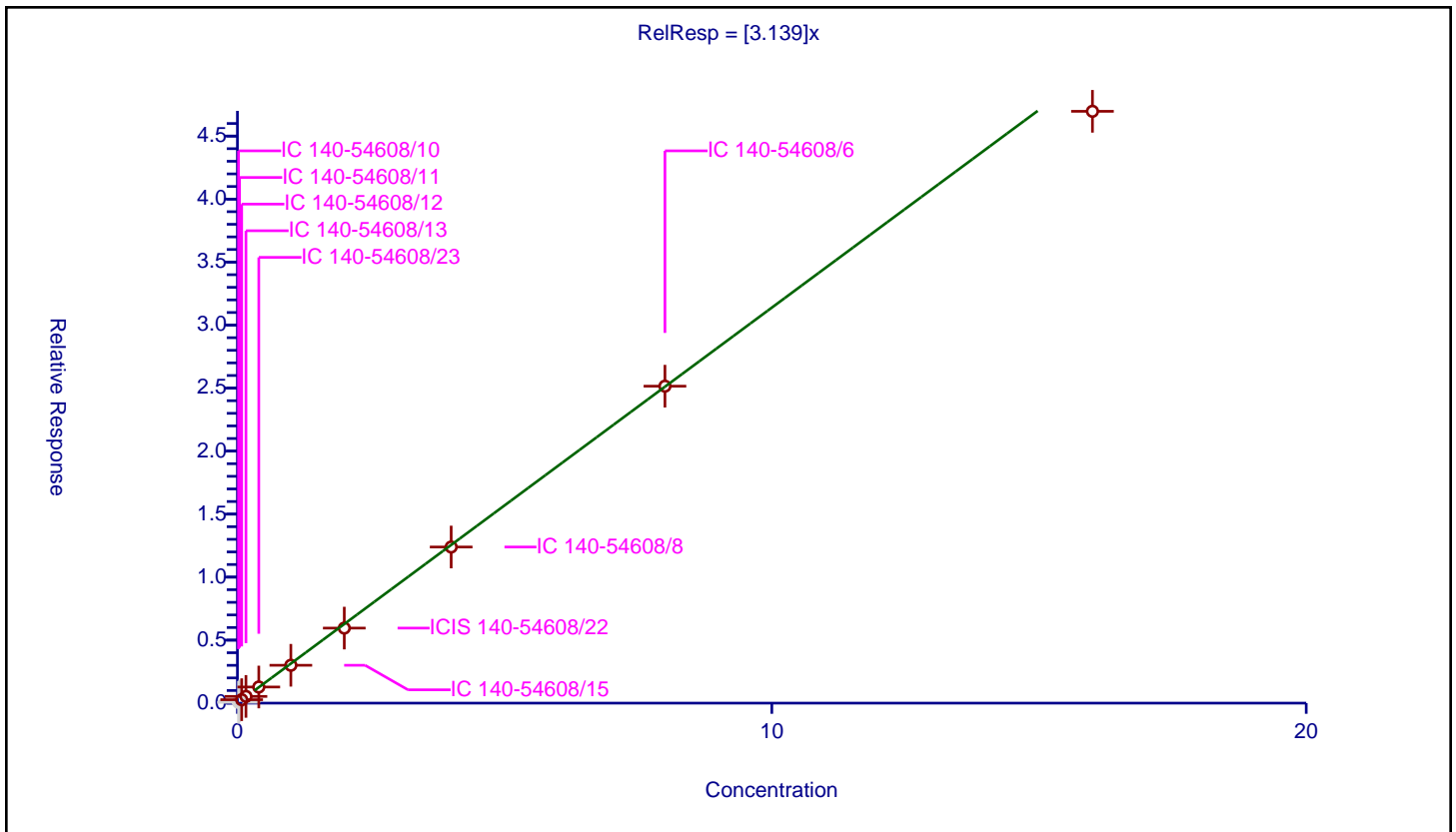
/ Trichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	3.139

Error Coefficients	
Standard Error:	1380000
Relative Standard Error:	5.4
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.063405	4.8	392749.0	3.170269	N
2	IC 140-54608/11	0.04	0.166608	4.8	336243.0	4.165202	N
3	IC 140-54608/12	0.08	0.272759	4.8	318505.0	3.409491	Y
4	IC 140-54608/13	0.16	0.534174	4.8	312096.0	3.338588	Y
5	IC 140-54608/23	0.4	1.280738	4.8	342770.0	3.201844	Y
6	IC 140-54608/15	1.0	3.005488	4.8	313358.0	3.005488	Y
7	ICIS 140-54608/22	2.0	5.954461	4.8	332789.0	2.977231	Y
8	IC 140-54608/8	4.0	12.388454	4.8	382044.0	3.097113	Y
9	IC 140-54608/6	8.0	25.15266	4.8	379749.0	3.144083	Y
10	IC 140-54608/4	16.0	46.966352	4.8	292050.0	2.935397	Y



Calibration

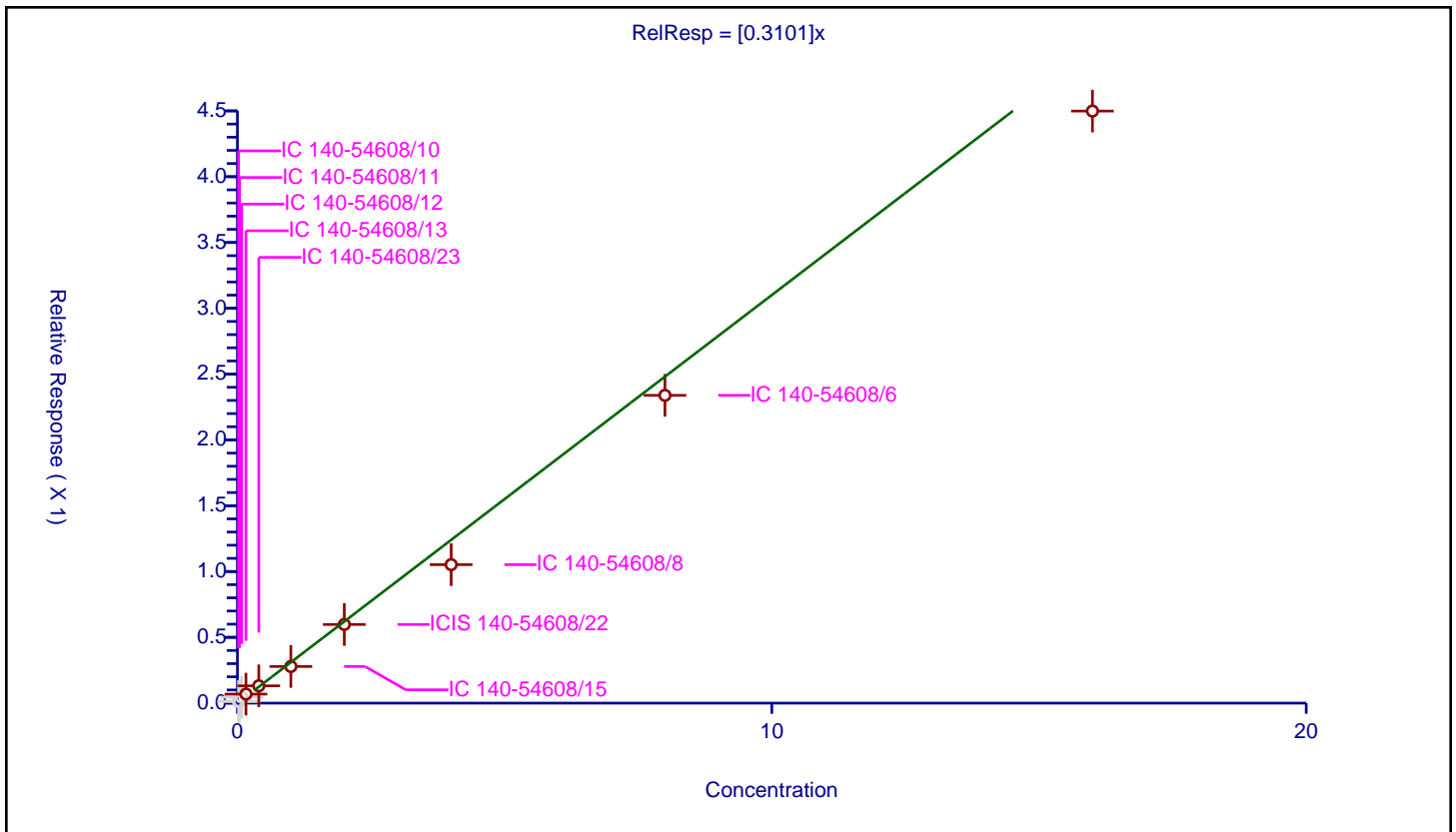
/ Acrolein

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

Curve Coefficients	
Intercept:	0
Slope:	0.3101

Error Coefficients	
Standard Error:	140000
Relative Standard Error:	18.1
Correlation Coefficient:	0.973
Coefficient of Determination (Adjusted):	0.945

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.012063	4.8	392749.0	0.603133	N
2	IC 140-54608/11	0.04	0.014518	4.8	336243.0	0.362952	N
3	IC 140-54608/12	0.08	0.044789	4.8	318505.0	0.559866	N
4	IC 140-54608/13	0.16	0.068548	4.8	312096.0	0.428426	Y
5	IC 140-54608/23	0.4	0.131339	4.8	342770.0	0.328348	Y
6	IC 140-54608/15	1.0	0.278373	4.8	313358.0	0.278373	Y
7	ICIS 140-54608/22	2.0	0.597626	4.8	332789.0	0.298813	Y
8	IC 140-54608/8	4.0	1.05226	4.8	382044.0	0.263065	Y
9	IC 140-54608/6	8.0	2.338614	4.8	379749.0	0.292327	Y
10	IC 140-54608/4	16.0	4.49872	4.8	292050.0	0.28117	Y



Calibration

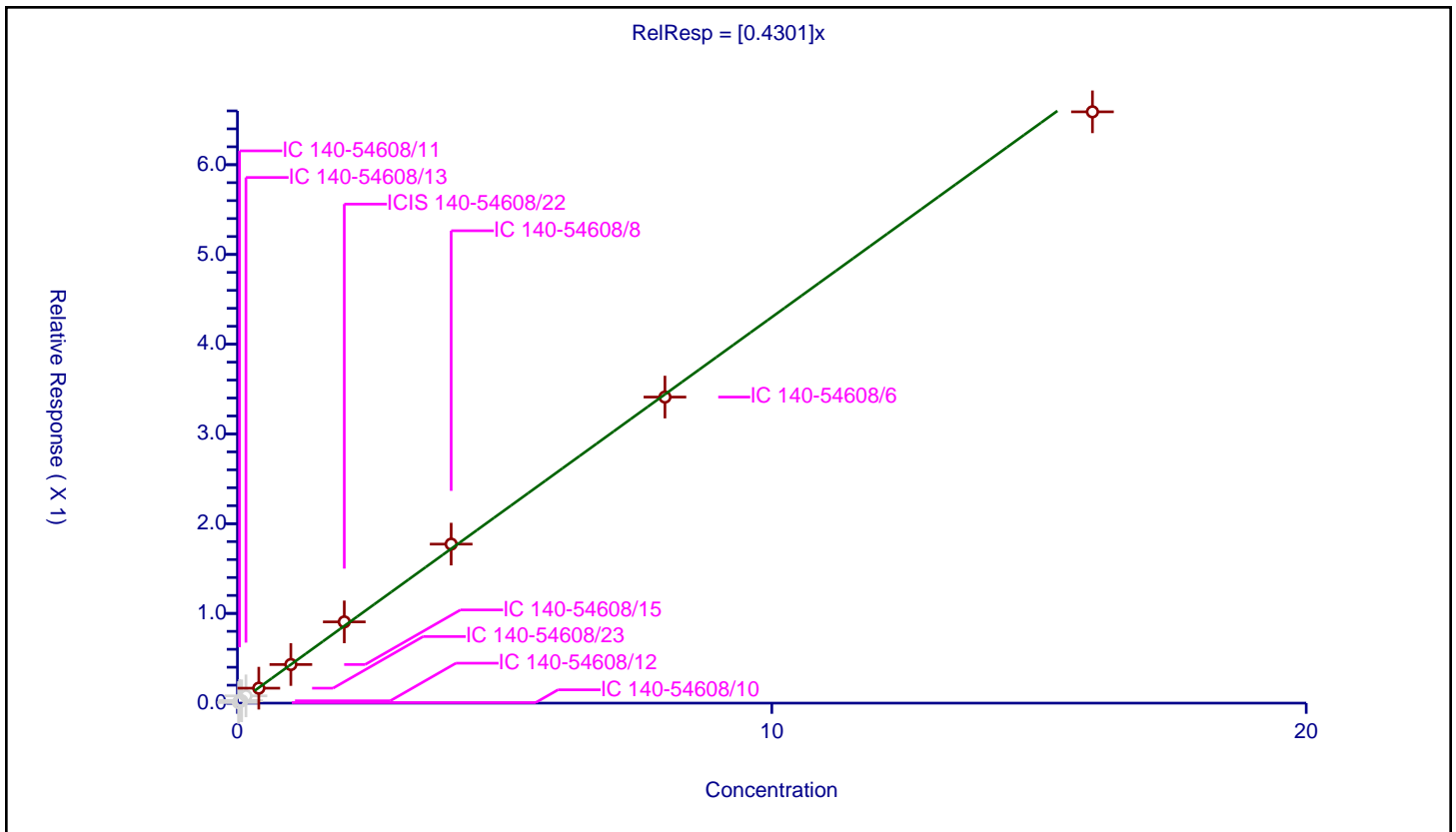
/ Acetonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	0.4301

Error Coefficients	
Standard Error:	227000
Relative Standard Error:	3.6
Correlation Coefficient:	0.967
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.006037	4.8	392749.0	0.301872	N
2	IC 140-54608/11	0.04	0.029079	4.8	336243.0	0.726974	N
3	IC 140-54608/12	0.08	0.026027	4.8	318505.0	0.325332	N
4	IC 140-54608/13	0.16	0.080914	4.8	312096.0	0.50571	N
5	IC 140-54608/23	0.4	0.166684	4.8	342770.0	0.416711	Y
6	IC 140-54608/15	1.0	0.430097	4.8	313358.0	0.430097	Y
7	ICIS 140-54608/22	2.0	0.90554	4.8	332789.0	0.45277	Y
8	IC 140-54608/8	4.0	1.772089	4.8	382044.0	0.443022	Y
9	IC 140-54608/6	8.0	3.410682	4.8	379749.0	0.426335	Y
10	IC 140-54608/4	16.0	6.58965	4.8	292050.0	0.411853	Y



Calibration

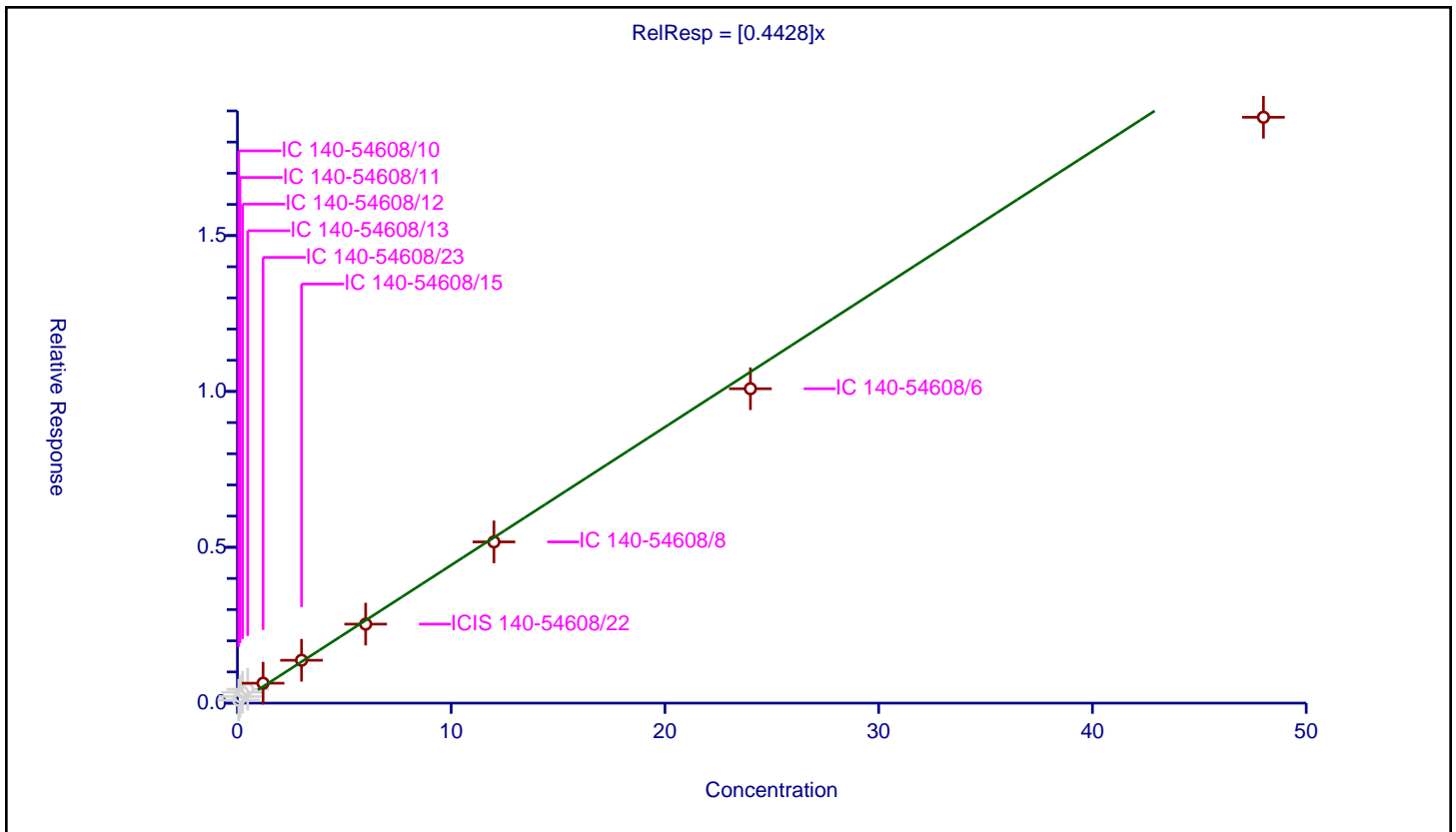
/ Acetone

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

Curve Coefficients	
Intercept:	0
Slope:	0.4428

Error Coefficients	
Standard Error:	657000
Relative Standard Error:	11.1
Correlation Coefficient:	0.960
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.06	0.095218	4.8	392749.0	1.586968	N
2	IC 140-54608/11	0.12	0.210848	4.8	336243.0	1.757063	N
3	IC 140-54608/12	0.24	0.348006	4.8	318505.0	1.450024	N
4	IC 140-54608/13	0.48	0.446709	4.8	312096.0	0.930643	N
5	IC 140-54608/23	1.2	0.639487	4.8	342770.0	0.532905	Y
6	IC 140-54608/15	3.0	1.375291	4.8	313358.0	0.45843	Y
7	ICIS 140-54608/22	6.0	2.534334	4.8	332789.0	0.422389	Y
8	IC 140-54608/8	12.0	5.17212	4.8	382044.0	0.43101	Y
9	IC 140-54608/6	24.0	10.086068	4.8	379749.0	0.420253	Y
10	IC 140-54608/4	48.0	18.796146	4.8	292050.0	0.391586	Y



Calibration

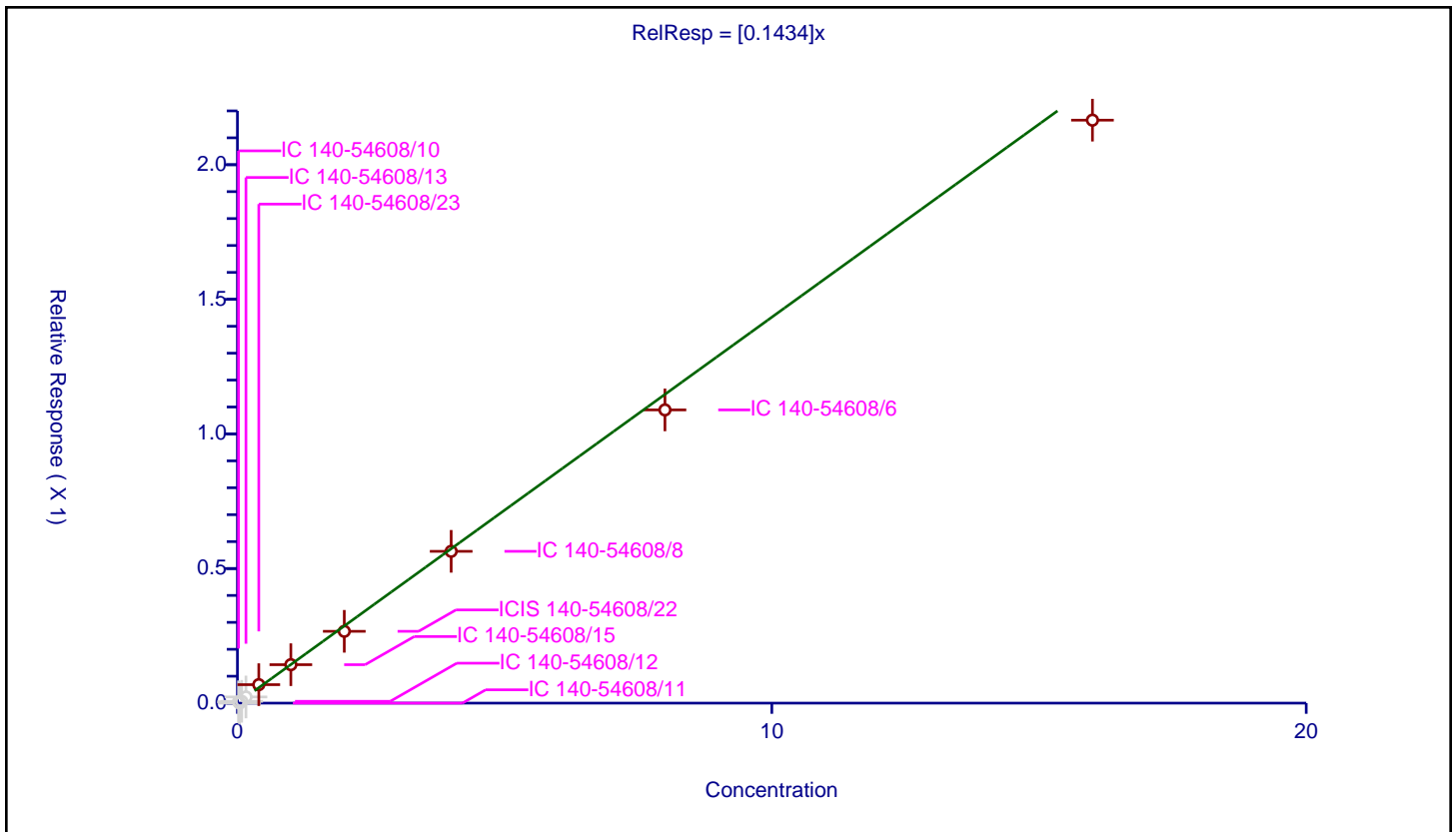
/ Pentane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1434

Error Coefficients	
Standard Error:	73800
Relative Standard Error:	9.9
Correlation Coefficient:	0.974
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.004999	4.8	392749.0	0.249931	N
2	IC 140-54608/11	0.04	0.0	4.8	336243.0	0.0	N
3	IC 140-54608/12	0.08	0.006782	4.8	318505.0	0.084771	N
4	IC 140-54608/13	0.16	0.022947	4.8	312096.0	0.143417	N
5	IC 140-54608/23	0.4	0.068603	4.8	342770.0	0.171509	Y
6	IC 140-54608/15	1.0	0.142809	4.8	313358.0	0.142809	Y
7	ICIS 140-54608/22	2.0	0.266764	4.8	332789.0	0.133382	Y
8	IC 140-54608/8	4.0	0.563935	4.8	382044.0	0.140984	Y
9	IC 140-54608/6	8.0	1.089195	4.8	379749.0	0.136149	Y
10	IC 140-54608/4	16.0	2.165531	4.8	292050.0	0.135346	Y



Calibration

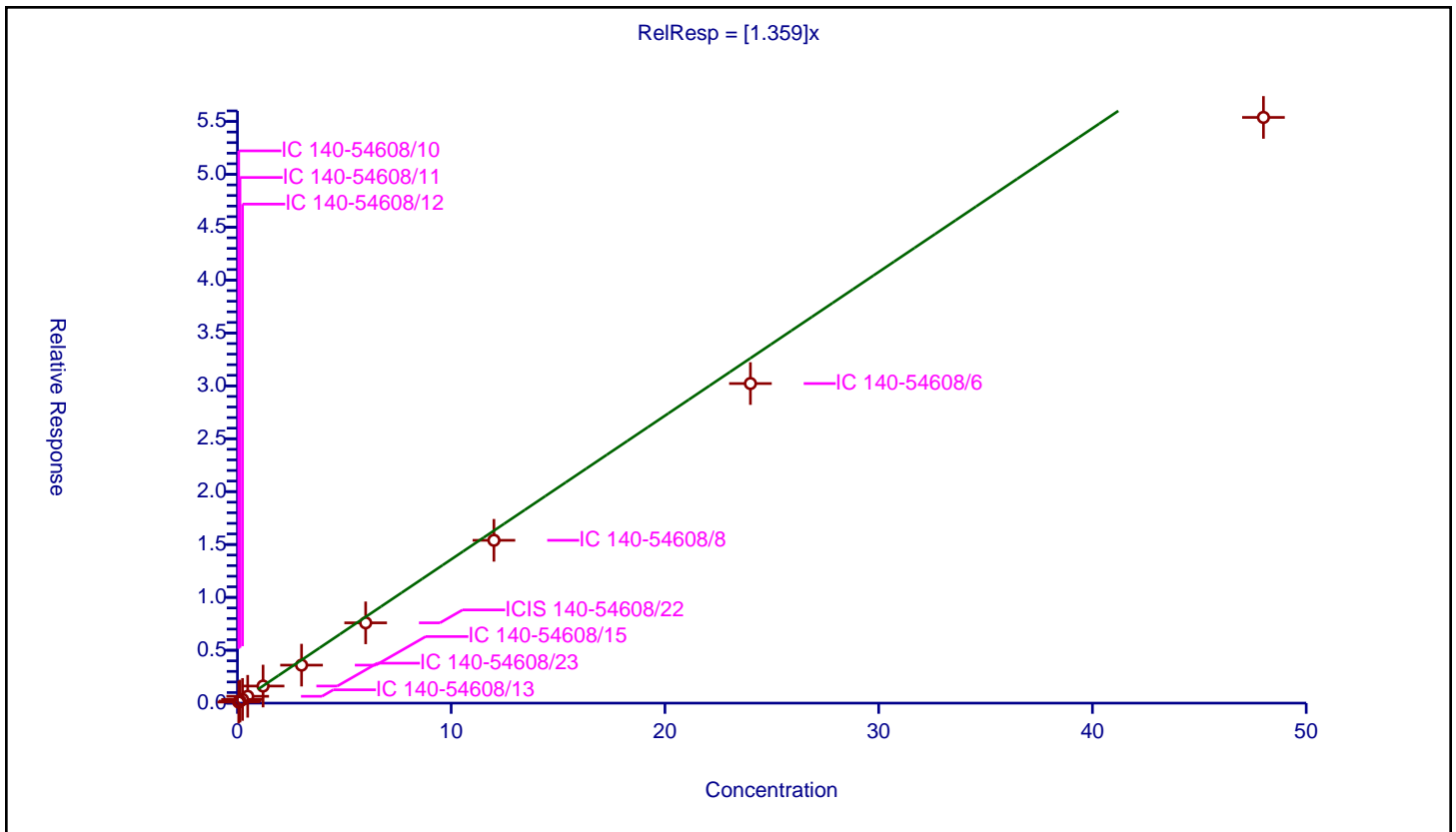
/ Isopropyl alcohol

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

Curve Coefficients	
Intercept:	0
Slope:	1.359

Error Coefficients	
Standard Error:	1450000
Relative Standard Error:	12.5
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.06	0.099581	4.8	392749.0	1.659686	Y
2	IC 140-54608/11	0.12	0.194274	4.8	336243.0	1.618948	Y
3	IC 140-54608/12	0.24	0.349799	4.8	318505.0	1.457497	Y
4	IC 140-54608/13	0.48	0.647016	4.8	312096.0	1.347951	Y
5	IC 140-54608/23	1.2	1.614834	4.8	342770.0	1.345695	Y
6	IC 140-54608/15	3.0	3.593314	4.8	313358.0	1.197771	Y
7	ICIS 140-54608/22	6.0	7.591563	4.8	332789.0	1.265261	Y
8	IC 140-54608/8	12.0	15.396488	4.8	382044.0	1.283041	Y
9	IC 140-54608/6	24.0	30.219616	4.8	379749.0	1.259151	Y
10	IC 140-54608/4	48.0	55.382566	4.8	292050.0	1.153803	Y



Calibration

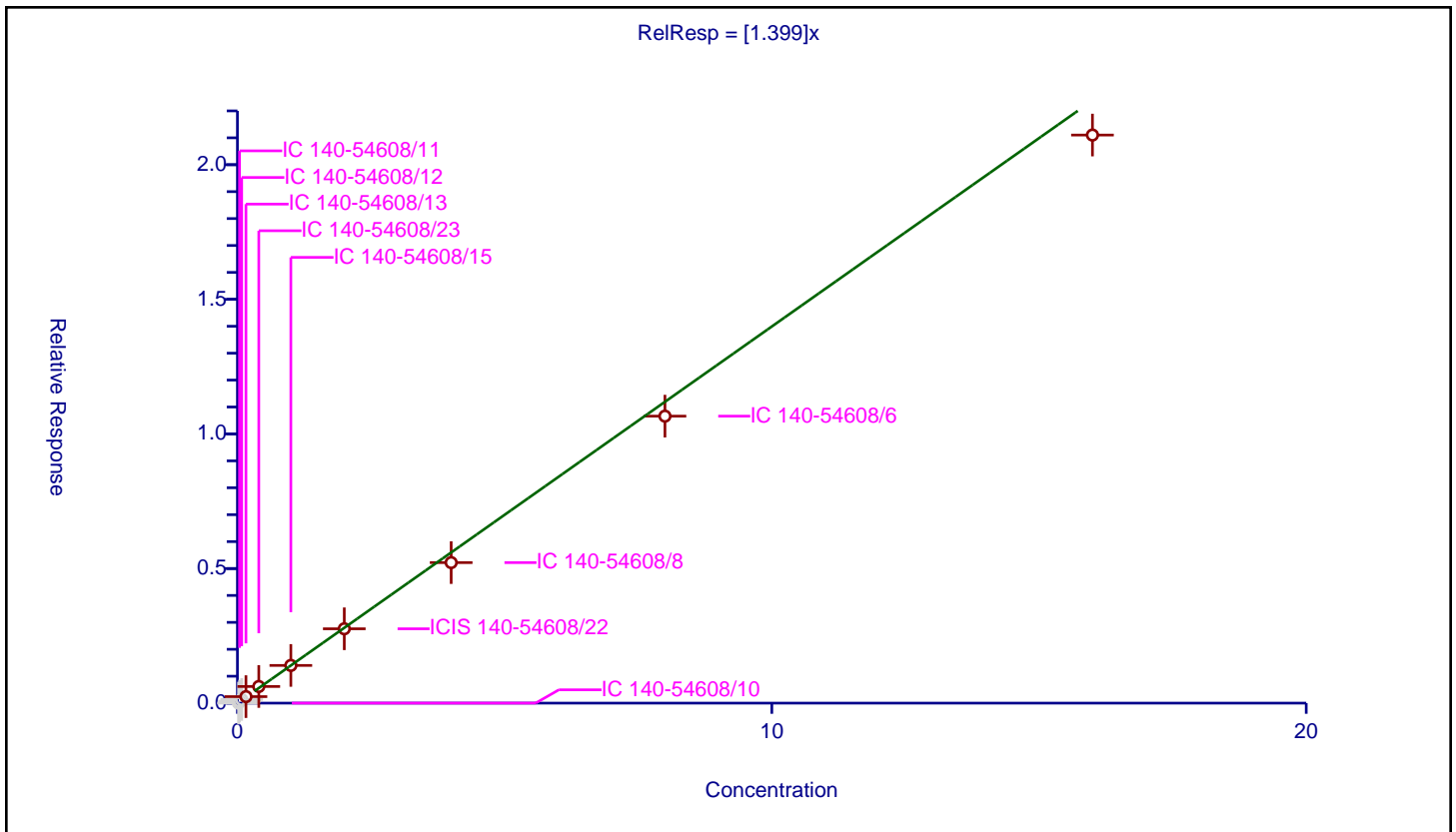
/ Ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	1.399

Error Coefficients	
Standard Error:	656000
Relative Standard Error:	6.8
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.001185	4.8	392749.0	0.059274	N
2	IC 140-54608/11	0.04	0.074075	4.8	336243.0	1.851875	N
3	IC 140-54608/12	0.08	0.137472	4.8	318505.0	1.718403	N
4	IC 140-54608/13	0.16	0.241603	4.8	312096.0	1.510016	Y
5	IC 140-54608/23	0.4	0.617991	4.8	342770.0	1.544978	Y
6	IC 140-54608/15	1.0	1.400611	4.8	313358.0	1.400611	Y
7	ICIS 140-54608/22	2.0	2.762269	4.8	332789.0	1.381135	Y
8	IC 140-54608/8	4.0	5.220806	4.8	382044.0	1.305201	Y
9	IC 140-54608/6	8.0	10.660819	4.8	379749.0	1.332602	Y
10	IC 140-54608/4	16.0	21.102644	4.8	292050.0	1.318915	Y



Calibration

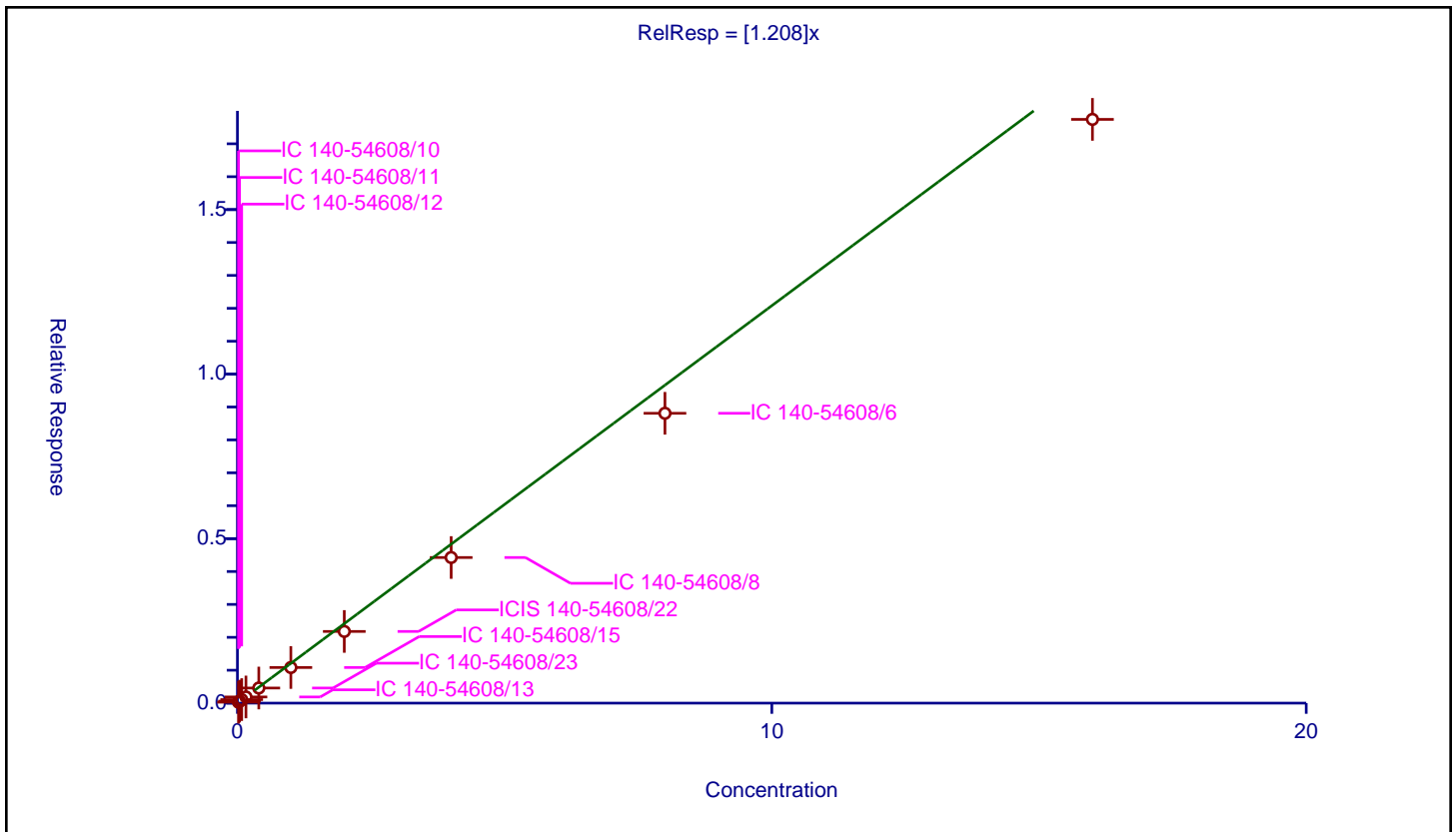
/ 1,1-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	1.208

Error Coefficients	
Standard Error:	448000
Relative Standard Error:	13.0
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.028342	4.8	392749.0	1.417088	Y
2	IC 140-54608/11	0.04	0.060685	4.8	336243.0	1.517117	Y
3	IC 140-54608/12	0.08	0.107045	4.8	318505.0	1.338064	Y
4	IC 140-54608/13	0.16	0.187404	4.8	312096.0	1.171274	Y
5	IC 140-54608/23	0.4	0.459261	4.8	342770.0	1.148152	Y
6	IC 140-54608/15	1.0	1.082351	4.8	313358.0	1.082351	Y
7	ICIS 140-54608/22	2.0	2.178332	4.8	332789.0	1.089166	Y
8	IC 140-54608/8	4.0	4.42607	4.8	382044.0	1.106518	Y
9	IC 140-54608/6	8.0	8.809094	4.8	379749.0	1.101137	Y
10	IC 140-54608/4	16.0	17.741625	4.8	292050.0	1.108852	Y



Calibration

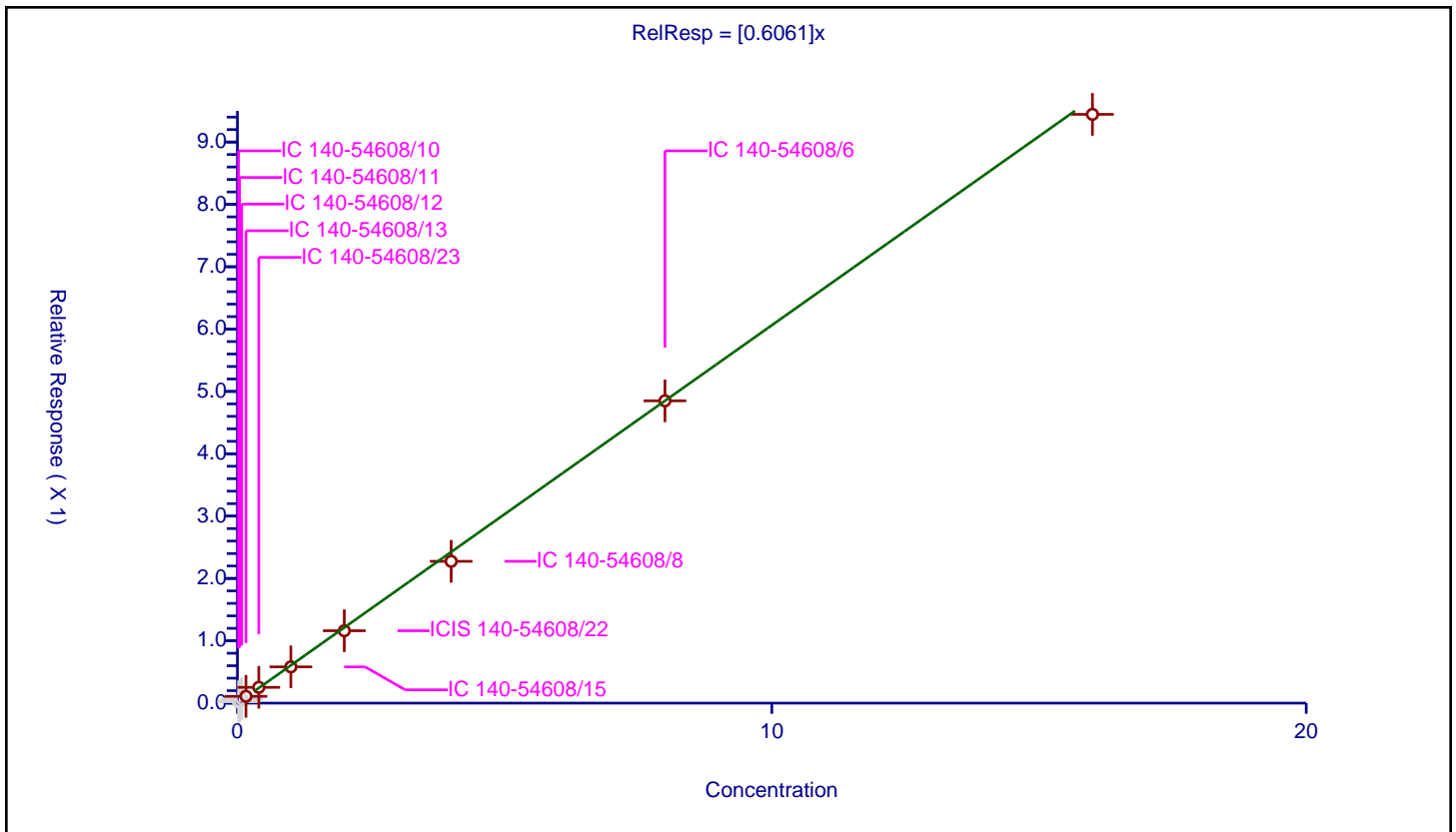
/ Acrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	0.6061

Error Coefficients	
Standard Error:	294000
Relative Standard Error:	6.6
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.022867	4.8	392749.0	1.143326	N
2	IC 140-54608/11	0.04	0.03399	4.8	336243.0	0.849743	N
3	IC 140-54608/12	0.08	0.07062	4.8	318505.0	0.882749	N
4	IC 140-54608/13	0.16	0.109351	4.8	312096.0	0.683444	Y
5	IC 140-54608/23	0.4	0.252918	4.8	342770.0	0.632296	Y
6	IC 140-54608/15	1.0	0.581576	4.8	313358.0	0.581576	Y
7	ICIS 140-54608/22	2.0	1.161139	4.8	332789.0	0.58057	Y
8	IC 140-54608/8	4.0	2.27485	4.8	382044.0	0.568713	Y
9	IC 140-54608/6	8.0	4.84927	4.8	379749.0	0.606159	Y
10	IC 140-54608/4	16.0	9.444405	4.8	292050.0	0.590275	Y



Calibration

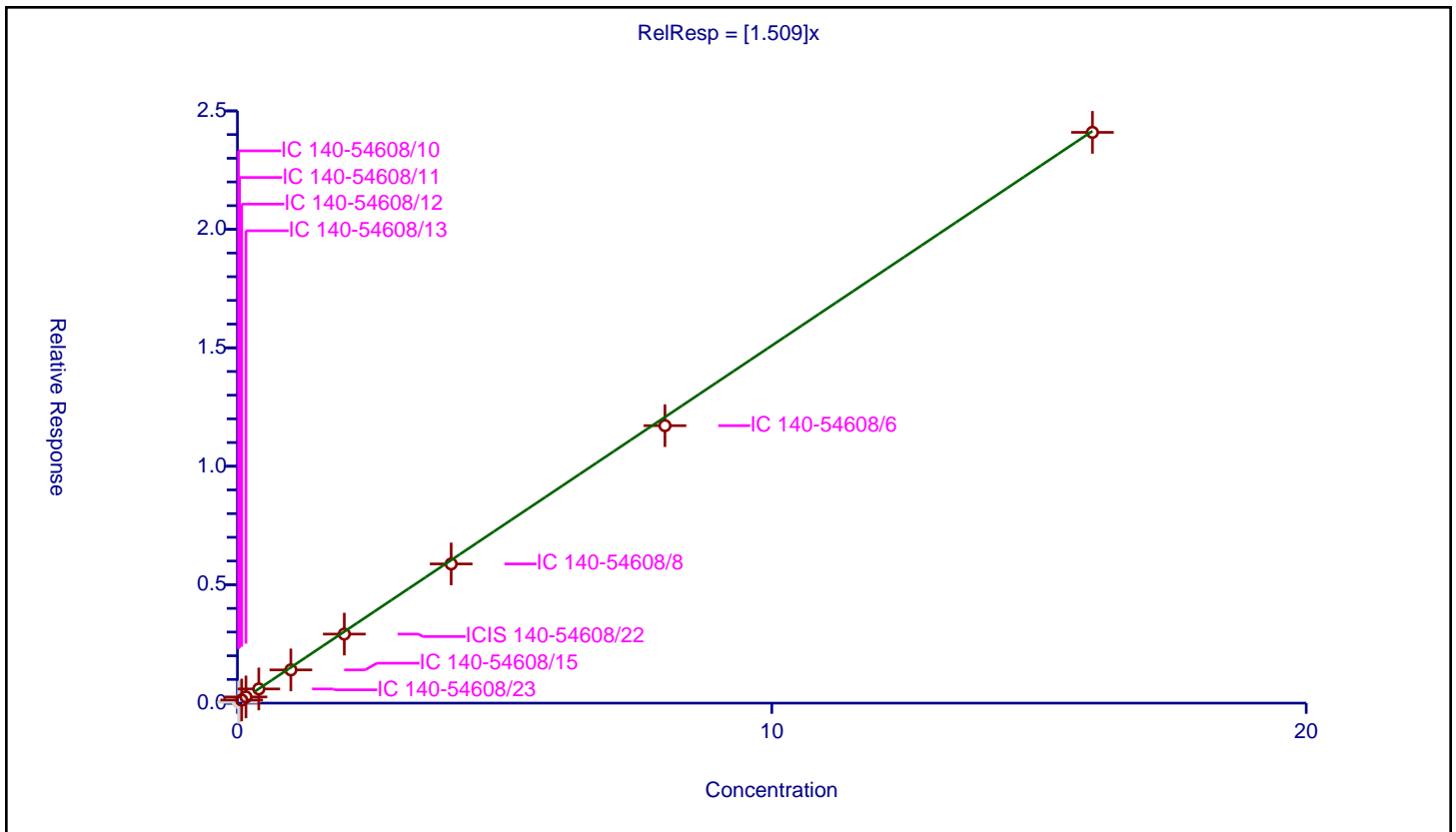
/ 2-Methyl-2-propanol

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

Curve Coefficients	
Intercept:	0
Slope:	1.509

Error Coefficients	
Standard Error:	684000
Relative Standard Error:	5.7
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.034575	4.8	392749.0	1.728738	N
2	IC 140-54608/11	0.04	0.079328	4.8	336243.0	1.983209	N
3	IC 140-54608/12	0.08	0.1317	4.8	318505.0	1.646254	Y
4	IC 140-54608/13	0.16	0.260889	4.8	312096.0	1.630556	Y
5	IC 140-54608/23	0.4	0.599142	4.8	342770.0	1.497856	Y
6	IC 140-54608/15	1.0	1.402848	4.8	313358.0	1.402848	Y
7	ICIS 140-54608/22	2.0	2.914885	4.8	332789.0	1.457442	Y
8	IC 140-54608/8	4.0	5.876219	4.8	382044.0	1.469055	Y
9	IC 140-54608/6	8.0	11.713181	4.8	379749.0	1.464148	Y
10	IC 140-54608/4	16.0	24.093305	4.8	292050.0	1.505832	Y



Calibration

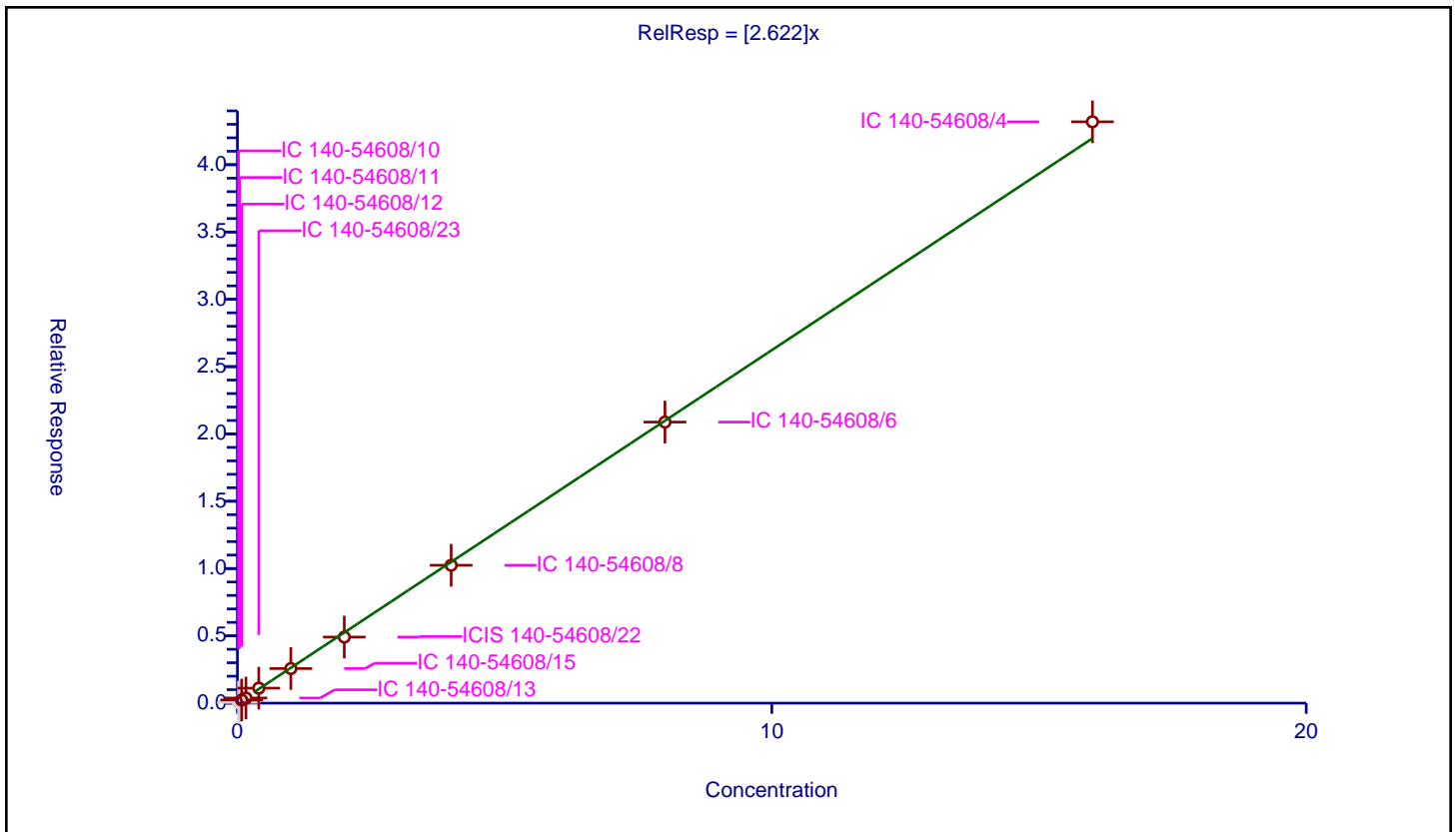
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	2.622

Error Coefficients	
Standard Error:	1220000
Relative Standard Error:	6.6
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.055131	4.8	392749.0	2.75657	N
2	IC 140-54608/11	0.04	0.122283	4.8	336243.0	3.057075	N
3	IC 140-54608/12	0.08	0.233516	4.8	318505.0	2.918949	Y
4	IC 140-54608/13	0.16	0.381636	4.8	312096.0	2.385228	Y
5	IC 140-54608/23	0.4	1.112891	4.8	342770.0	2.782227	Y
6	IC 140-54608/15	1.0	2.569156	4.8	313358.0	2.569156	Y
7	ICIS 140-54608/22	2.0	4.908335	4.8	332789.0	2.454168	Y
8	IC 140-54608/8	4.0	10.243101	4.8	382044.0	2.560775	Y
9	IC 140-54608/6	8.0	20.880933	4.8	379749.0	2.610117	Y
10	IC 140-54608/4	16.0	43.187936	4.8	292050.0	2.699246	Y



Calibration

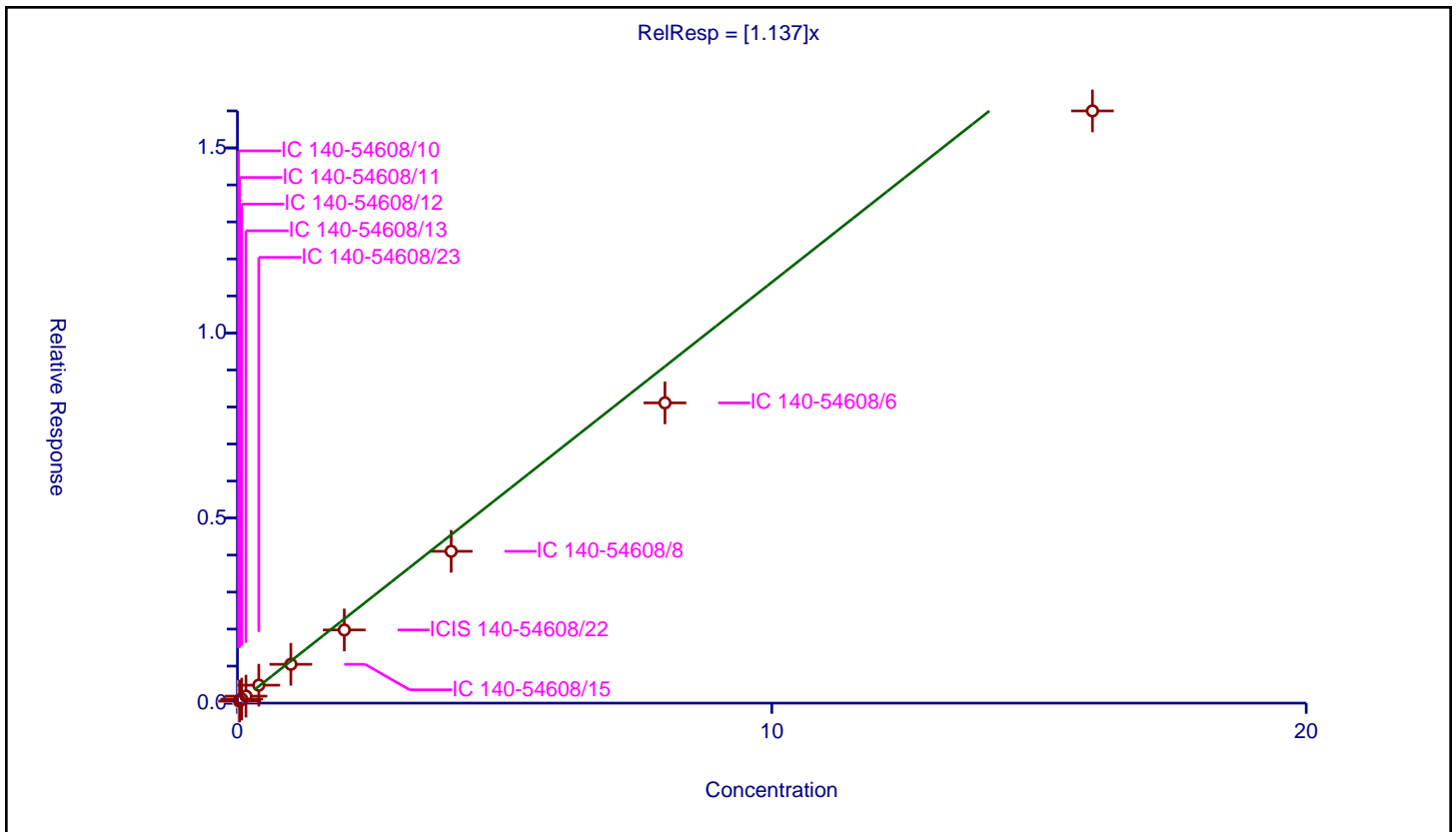
/ Methylene Chloride

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

Curve Coefficients	
Intercept:	0
Slope:	1.137

Error Coefficients	
Standard Error:	432000
Relative Standard Error:	14.1
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.043863	4.8	392749.0	2.193156	N
2	IC 140-54608/11	0.04	0.05663	4.8	336243.0	1.415762	Y
3	IC 140-54608/12	0.08	0.107949	4.8	318505.0	1.349367	Y
4	IC 140-54608/13	0.16	0.188819	4.8	312096.0	1.180118	Y
5	IC 140-54608/23	0.4	0.484677	4.8	342770.0	1.211693	Y
6	IC 140-54608/15	1.0	1.04859	4.8	313358.0	1.04859	Y
7	ICIS 140-54608/22	2.0	1.976676	4.8	332789.0	0.988338	Y
8	IC 140-54608/8	4.0	4.101907	4.8	382044.0	1.025477	Y
9	IC 140-54608/6	8.0	8.111497	4.8	379749.0	1.013937	Y
10	IC 140-54608/4	16.0	15.999145	4.8	292050.0	0.999947	Y



Calibration

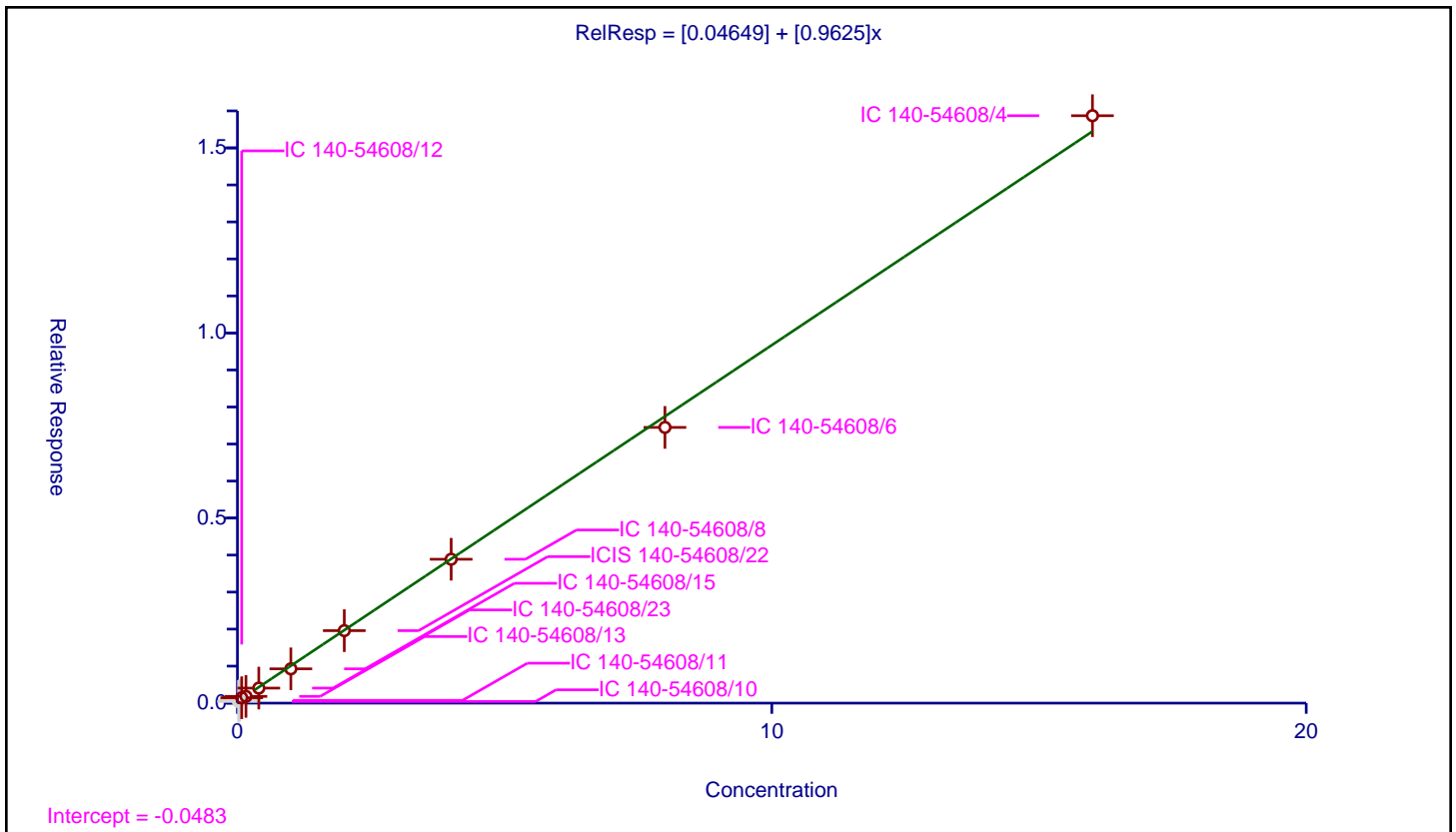
/ 3-Chloro-1-propene

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

Curve Coefficients	
Intercept:	0.04649
Slope:	0.9625

Error Coefficients	
Standard Error:	483000
Relative Standard Error:	13.8
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.044266	4.8	392749.0	2.213322	N
2	IC 140-54608/11	0.04	0.074332	4.8	336243.0	1.858299	N
3	IC 140-54608/12	0.08	0.146017	4.8	318505.0	1.825215	Y
4	IC 140-54608/13	0.16	0.182036	4.8	312096.0	1.137727	Y
5	IC 140-54608/23	0.4	0.405879	4.8	342770.0	1.014698	Y
6	IC 140-54608/15	1.0	0.926138	4.8	313358.0	0.926138	Y
7	ICIS 140-54608/22	2.0	1.958517	4.8	332789.0	0.979258	Y
8	IC 140-54608/8	4.0	3.887439	4.8	382044.0	0.97186	Y
9	IC 140-54608/6	8.0	7.449329	4.8	379749.0	0.931166	Y
10	IC 140-54608/4	16.0	15.869765	4.8	292050.0	0.99186	Y



Calibration

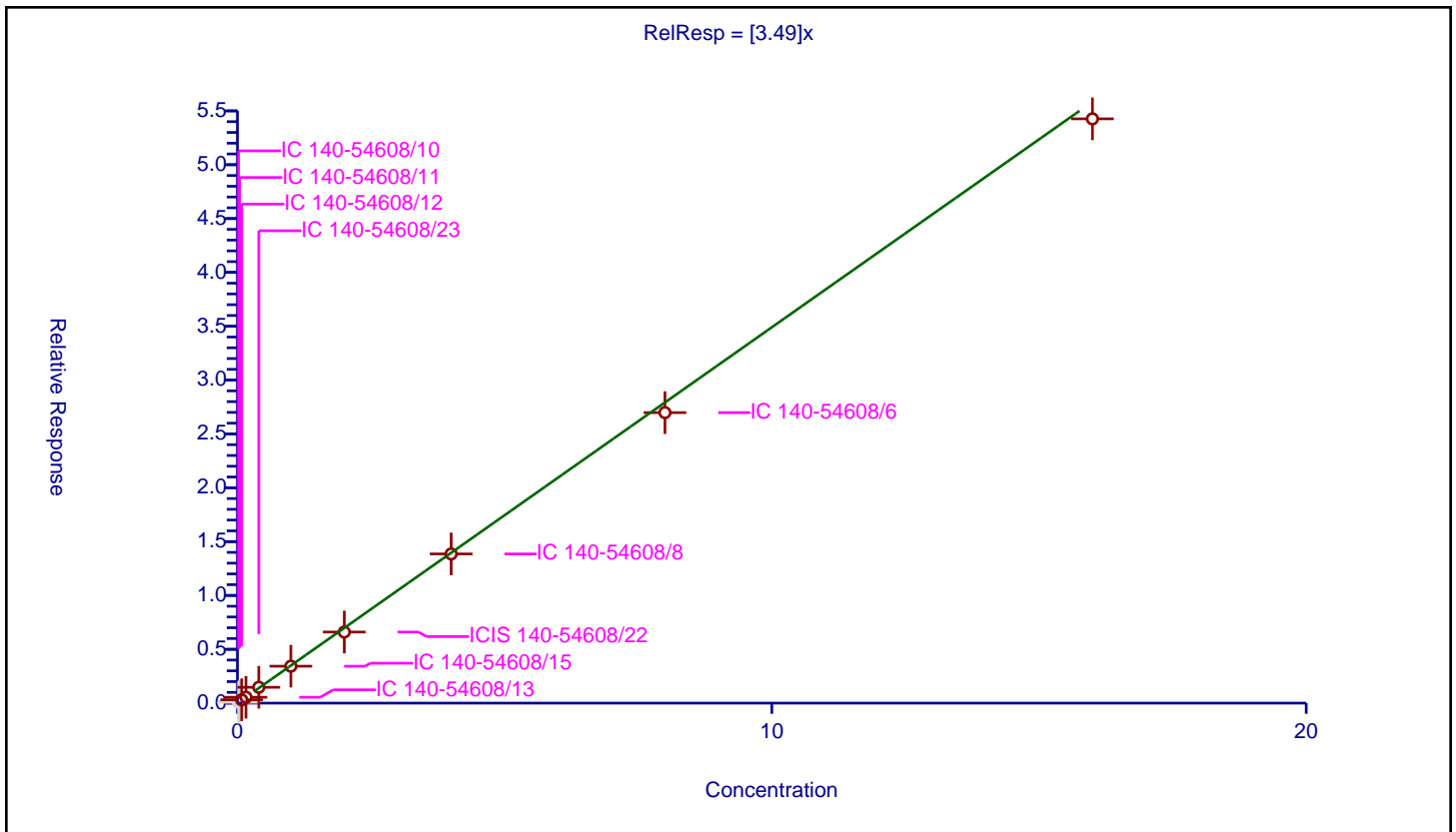
/ Carbon disulfide

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

Curve Coefficients	
Intercept:	0
Slope:	3.49

Error Coefficients	
Standard Error:	1560000
Relative Standard Error:	5.4
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.076446	4.8	392749.0	3.822289	N
2	IC 140-54608/11	0.04	0.177158	4.8	336243.0	4.42894	N
3	IC 140-54608/12	0.08	0.310119	4.8	318505.0	3.876485	Y
4	IC 140-54608/13	0.16	0.545909	4.8	312096.0	3.411931	Y
5	IC 140-54608/23	0.4	1.46994	4.8	342770.0	3.674849	Y
6	IC 140-54608/15	1.0	3.429641	4.8	313358.0	3.429641	Y
7	ICIS 140-54608/22	2.0	6.601906	4.8	332789.0	3.300953	Y
8	IC 140-54608/8	4.0	13.855753	4.8	382044.0	3.463938	Y
9	IC 140-54608/6	8.0	26.979572	4.8	379749.0	3.372447	Y
10	IC 140-54608/4	16.0	54.263503	4.8	292050.0	3.391469	Y



Calibration

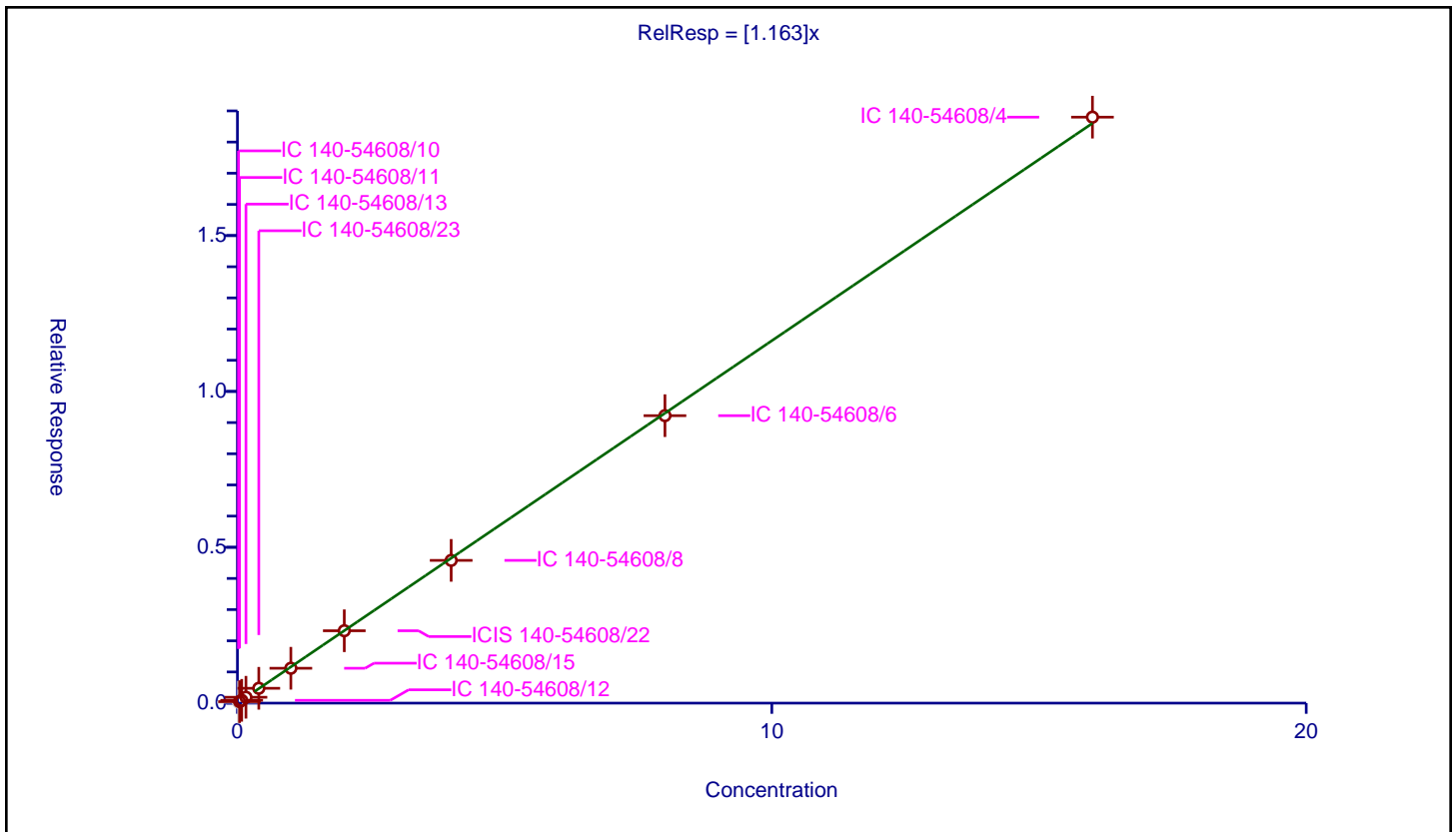
/ trans-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	1.163

Error Coefficients	
Standard Error:	501000
Relative Standard Error:	2.5
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.030138	4.8	392749.0	1.506917	N
2	IC 140-54608/11	0.04	0.048436	4.8	336243.0	1.21091	Y
3	IC 140-54608/12	0.08	0.090453	4.8	318505.0	1.130657	Y
4	IC 140-54608/13	0.16	0.188604	4.8	312096.0	1.178772	Y
5	IC 140-54608/23	0.4	0.476387	4.8	342770.0	1.190968	Y
6	IC 140-54608/15	1.0	1.119052	4.8	313358.0	1.119052	Y
7	ICIS 140-54608/22	2.0	2.322178	4.8	332789.0	1.161089	Y
8	IC 140-54608/8	4.0	4.579238	4.8	382044.0	1.144809	Y
9	IC 140-54608/6	8.0	9.222622	4.8	379749.0	1.152828	Y
10	IC 140-54608/4	16.0	18.799285	4.8	292050.0	1.174955	Y



Calibration

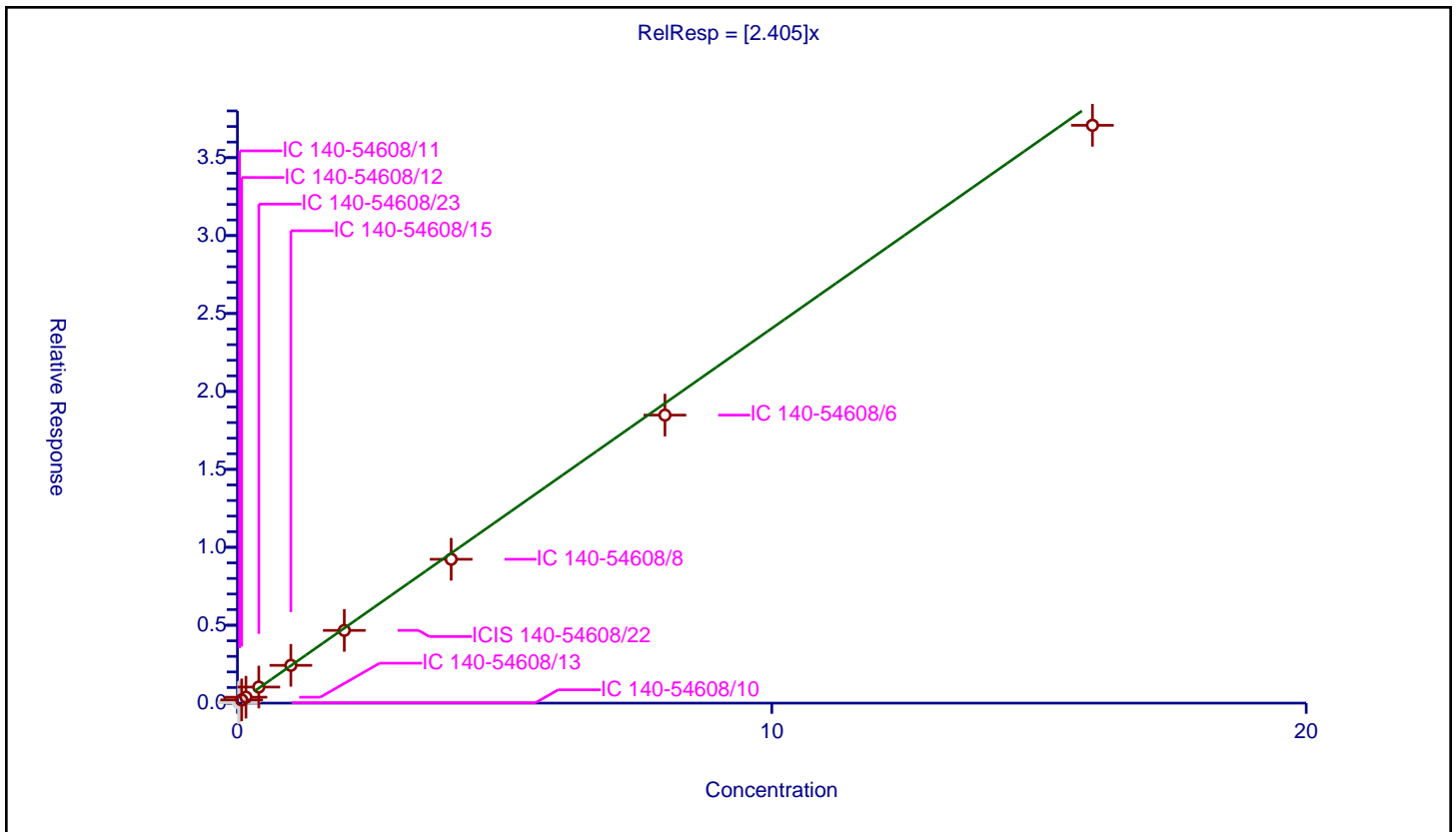
/ 2-Methylpentane

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

Curve Coefficients	
Intercept:	0
Slope:	2.405

Error Coefficients	
Standard Error:	1060000
Relative Standard Error:	4.9
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.027755	4.8	392749.0	1.387757	N
2	IC 140-54608/11	0.04	0.106566	4.8	336243.0	2.664145	N
3	IC 140-54608/12	0.08	0.207324	4.8	318505.0	2.591545	Y
4	IC 140-54608/13	0.16	0.379852	4.8	312096.0	2.374077	Y
5	IC 140-54608/23	0.4	1.031992	4.8	342770.0	2.579981	Y
6	IC 140-54608/15	1.0	2.424417	4.8	313358.0	2.424417	Y
7	ICIS 140-54608/22	2.0	4.666164	4.8	332789.0	2.333082	Y
8	IC 140-54608/8	4.0	9.230882	4.8	382044.0	2.307721	Y
9	IC 140-54608/6	8.0	18.480472	4.8	379749.0	2.310059	Y
10	IC 140-54608/4	16.0	37.075082	4.8	292050.0	2.317193	Y



Calibration

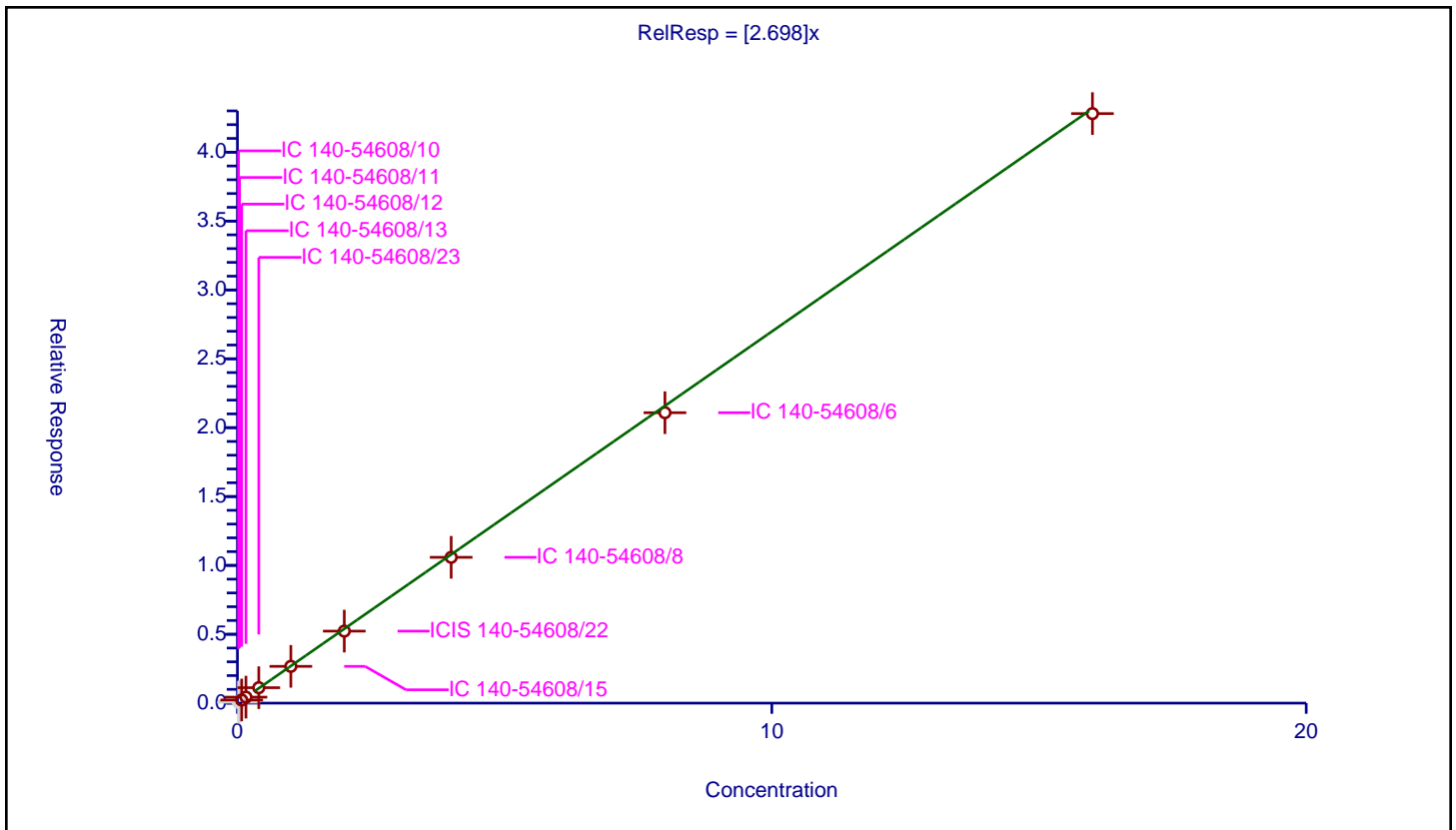
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	2.698

Error Coefficients	
Standard Error:	1220000
Relative Standard Error:	2.9
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.064322	4.8	392749.0	3.2161	N
2	IC 140-54608/11	0.04	0.133518	4.8	336243.0	3.337943	N
3	IC 140-54608/12	0.08	0.226599	4.8	318505.0	2.832483	Y
4	IC 140-54608/13	0.16	0.433528	4.8	312096.0	2.709551	Y
5	IC 140-54608/23	0.4	1.120313	4.8	342770.0	2.800782	Y
6	IC 140-54608/15	1.0	2.669381	4.8	313358.0	2.669381	Y
7	ICIS 140-54608/22	2.0	5.228437	4.8	332789.0	2.614219	Y
8	IC 140-54608/8	4.0	10.585558	4.8	382044.0	2.646389	Y
9	IC 140-54608/6	8.0	21.086661	4.8	379749.0	2.635833	Y
10	IC 140-54608/4	16.0	42.803493	4.8	292050.0	2.675218	Y



Calibration

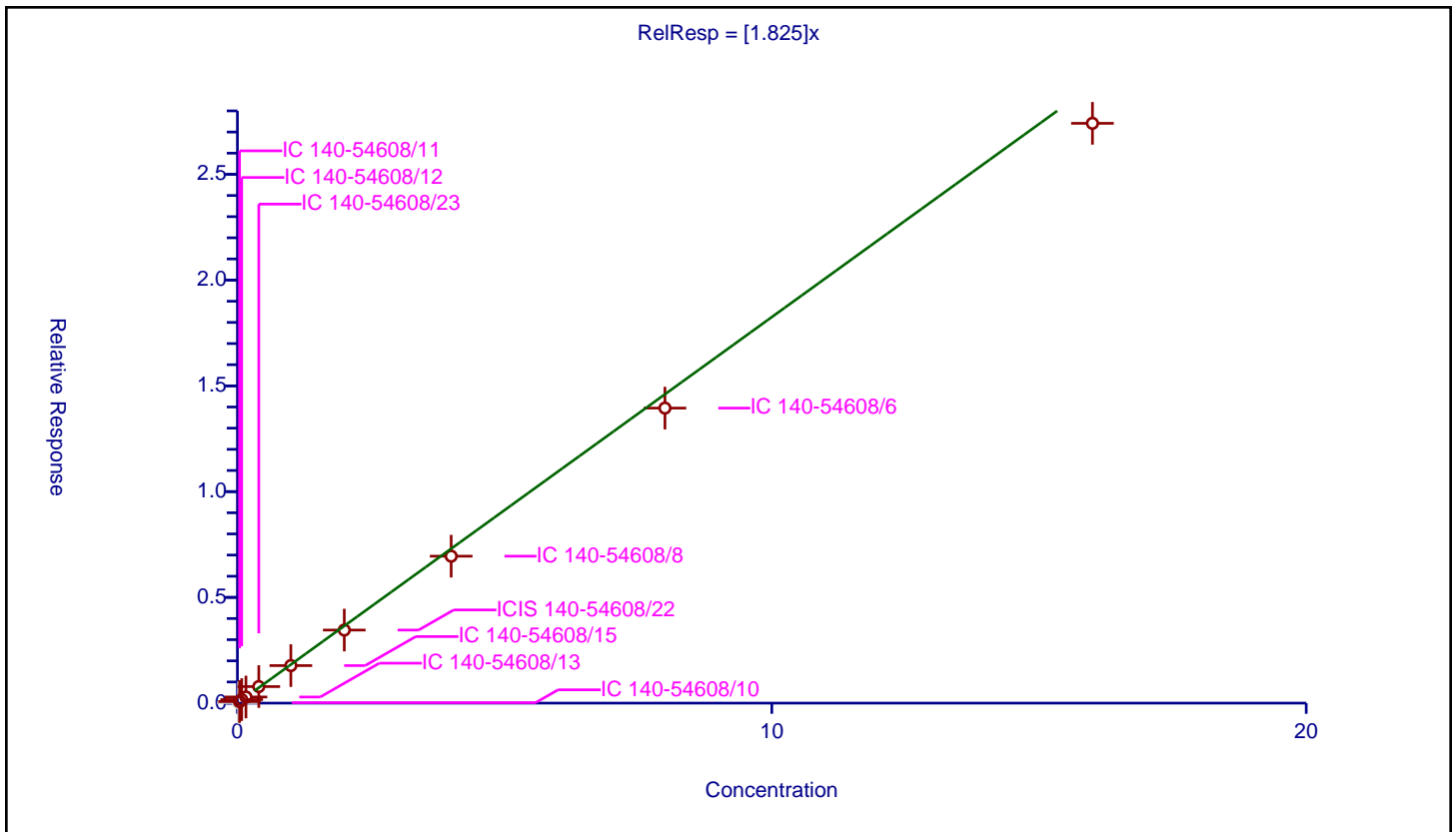
/ 1,1-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	1.825

Error Coefficients	
Standard Error:	740000
Relative Standard Error:	7.0
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.023038	4.8	392749.0	1.151881	N
2	IC 140-54608/11	0.04	0.074889	4.8	336243.0	1.872217	Y
3	IC 140-54608/12	0.08	0.167342	4.8	318505.0	2.091772	Y
4	IC 140-54608/13	0.16	0.289788	4.8	312096.0	1.811173	Y
5	IC 140-54608/23	0.4	0.782225	4.8	342770.0	1.955562	Y
6	IC 140-54608/15	1.0	1.775319	4.8	313358.0	1.775319	Y
7	ICIS 140-54608/22	2.0	3.45473	4.8	332789.0	1.727365	Y
8	IC 140-54608/8	4.0	6.947175	4.8	382044.0	1.736794	Y
9	IC 140-54608/6	8.0	13.948868	4.8	379749.0	1.743609	Y
10	IC 140-54608/4	16.0	27.411427	4.8	292050.0	1.713214	Y



Calibration

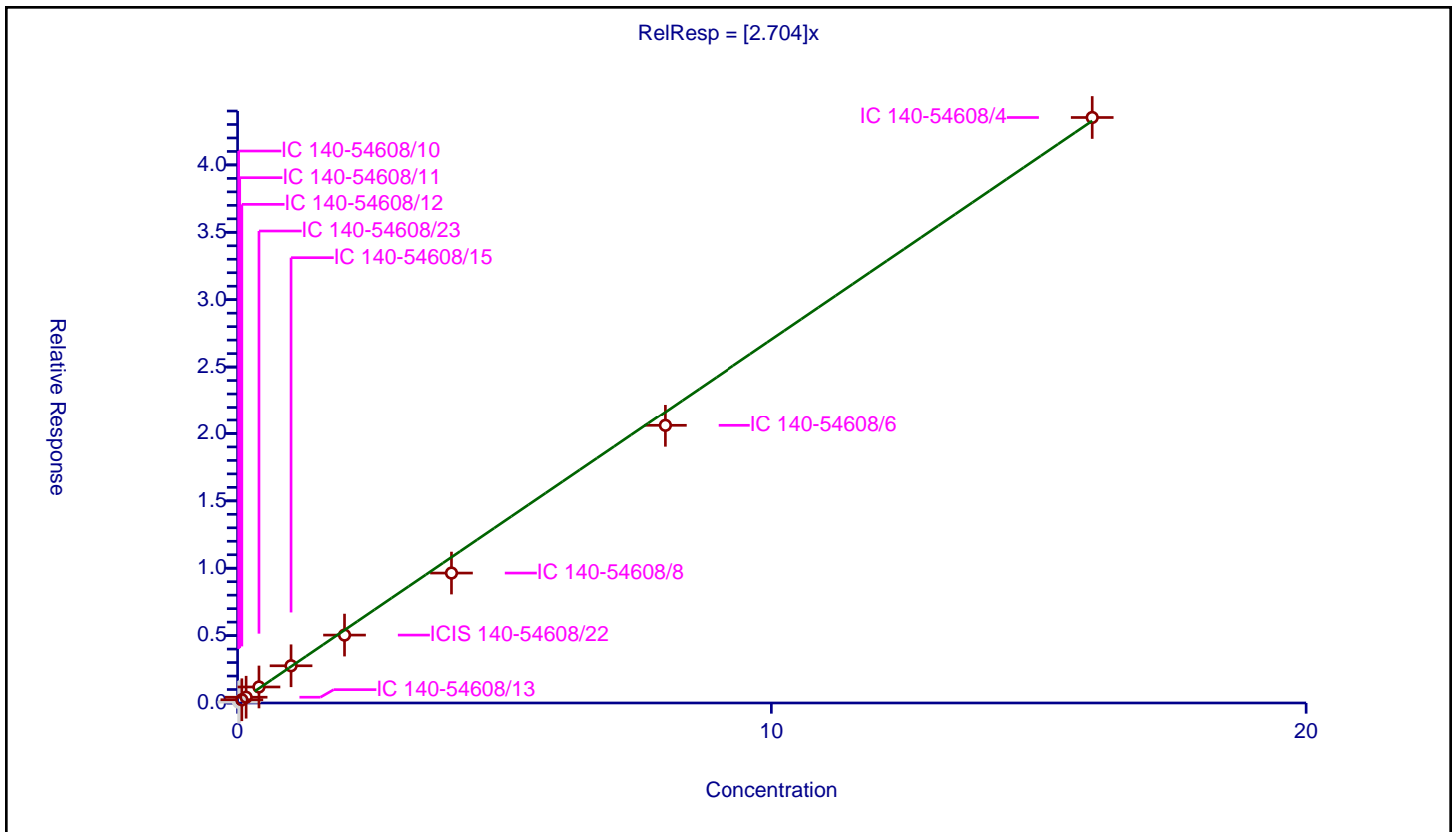
/ Vinyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	2.704

Error Coefficients	
Standard Error:	1220000
Relative Standard Error:	7.7
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.059262	4.8	392749.0	2.963114	N
2	IC 140-54608/11	0.04	0.11643	4.8	336243.0	2.910752	N
3	IC 140-54608/12	0.08	0.240418	4.8	318505.0	3.005228	Y
4	IC 140-54608/13	0.16	0.427576	4.8	312096.0	2.672351	Y
5	IC 140-54608/23	0.4	1.188552	4.8	342770.0	2.97138	Y
6	IC 140-54608/15	1.0	2.760538	4.8	313358.0	2.760538	Y
7	ICIS 140-54608/22	2.0	5.039792	4.8	332789.0	2.519896	Y
8	IC 140-54608/8	4.0	9.641034	4.8	382044.0	2.410259	Y
9	IC 140-54608/6	8.0	20.60537	4.8	379749.0	2.575671	Y
10	IC 140-54608/4	16.0	43.519145	4.8	292050.0	2.719947	Y



Calibration

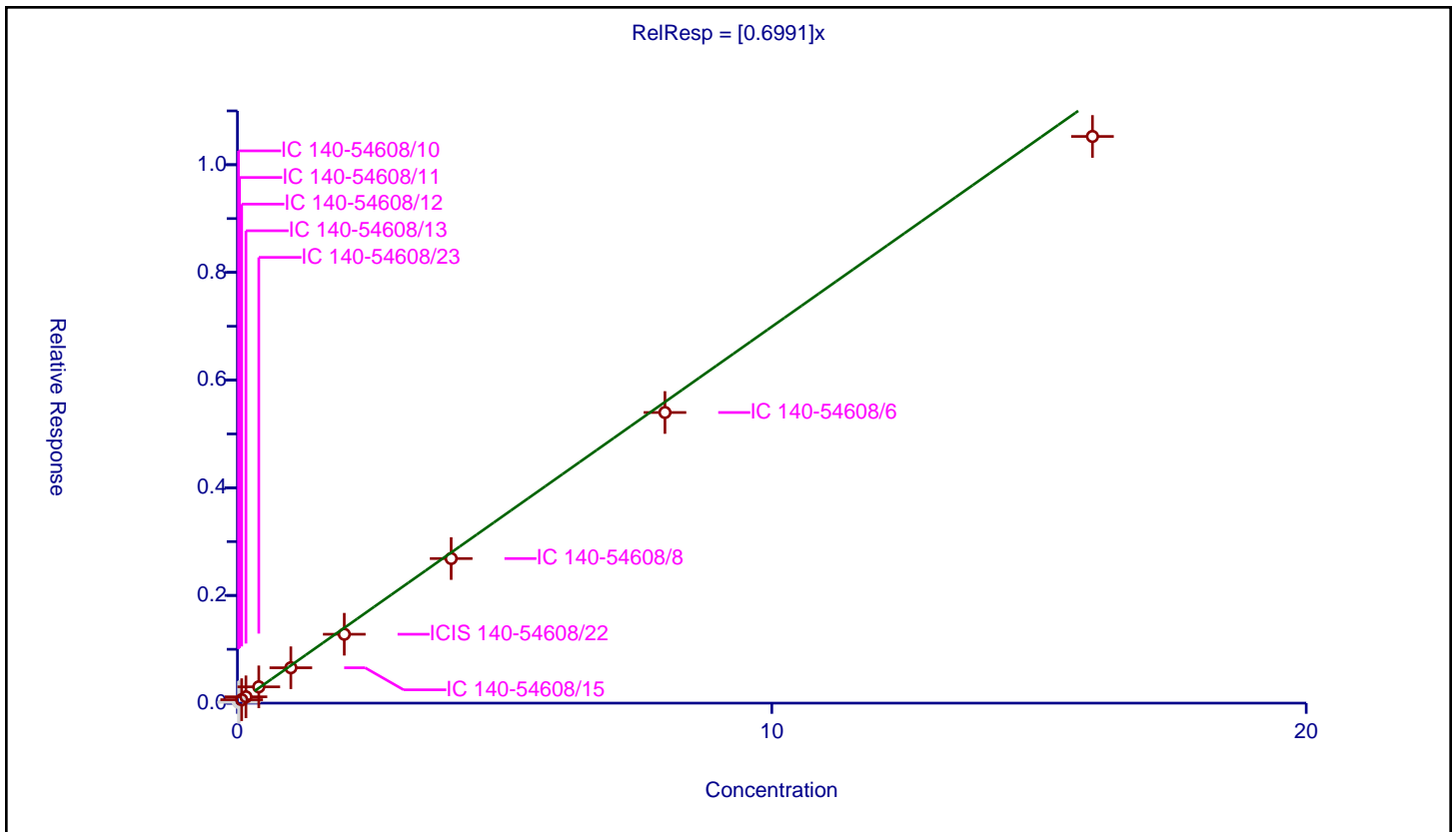
/ Hexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.6991

Error Coefficients	
Standard Error:	304000
Relative Standard Error:	8.3
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.014984	4.8	392749.0	0.749181	N
2	IC 140-54608/11	0.04	0.031549	4.8	336243.0	0.788715	N
3	IC 140-54608/12	0.08	0.06423	4.8	318505.0	0.802876	Y
4	IC 140-54608/13	0.16	0.117349	4.8	312096.0	0.733428	Y
5	IC 140-54608/23	0.4	0.302379	4.8	342770.0	0.755947	Y
6	IC 140-54608/15	1.0	0.657063	4.8	313358.0	0.657063	Y
7	ICIS 140-54608/22	2.0	1.279715	4.8	332789.0	0.639858	Y
8	IC 140-54608/8	4.0	2.685454	4.8	382044.0	0.671364	Y
9	IC 140-54608/6	8.0	5.398336	4.8	379749.0	0.674792	Y
10	IC 140-54608/4	16.0	10.52514	4.8	292050.0	0.657821	Y



Calibration

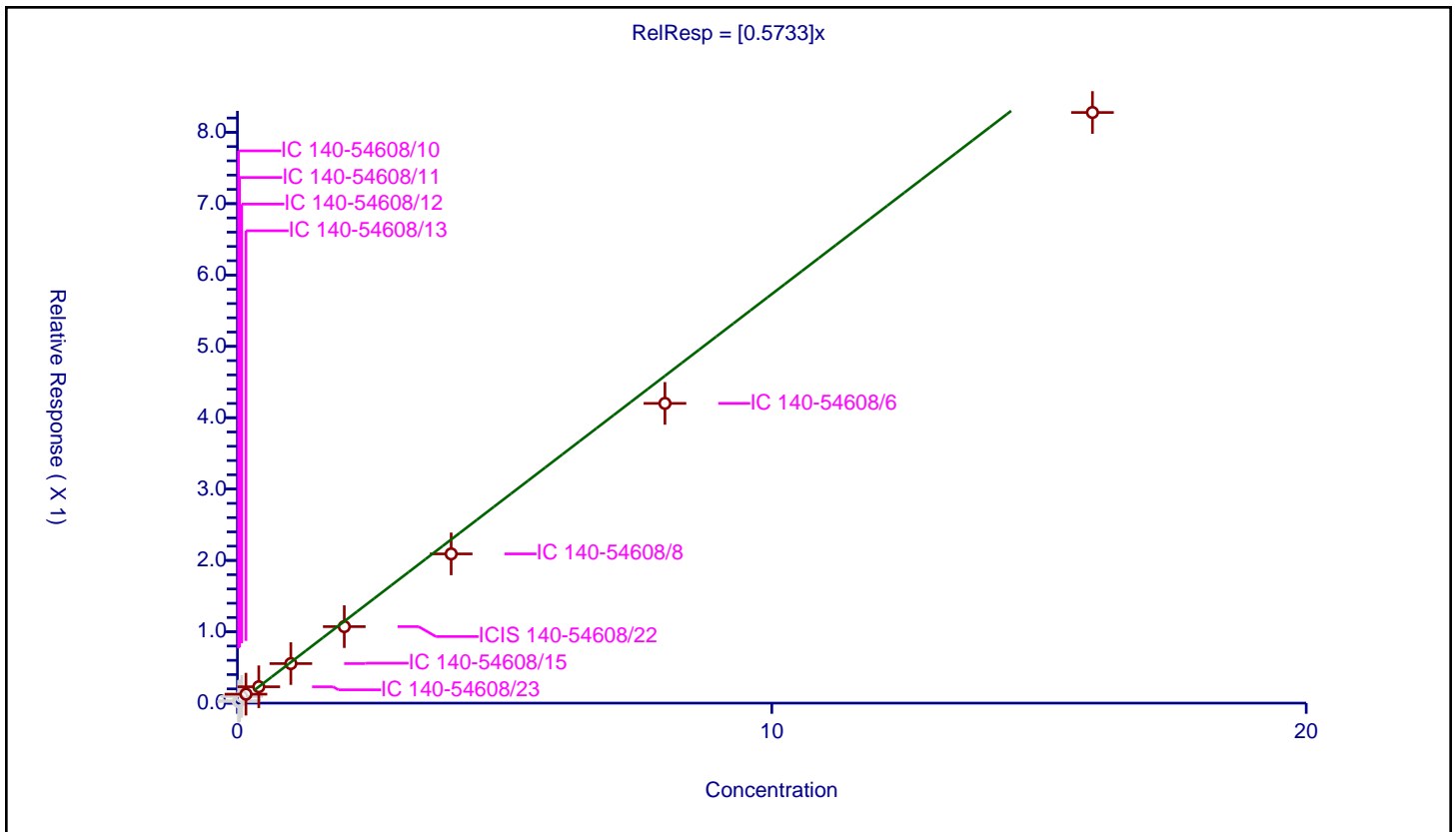
/ 2-Butanone (MEK)

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

Curve Coefficients	
Intercept:	0
Slope:	0.5733

Error Coefficients	
Standard Error:	258000
Relative Standard Error:	16.6
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.022598	4.8	392749.0	1.129882	N
2	IC 140-54608/11	0.04	0.033676	4.8	336243.0	0.841891	N
3	IC 140-54608/12	0.08	0.093241	4.8	318505.0	1.165508	N
4	IC 140-54608/13	0.16	0.1255	4.8	312096.0	0.784374	Y
5	IC 140-54608/23	0.4	0.229266	4.8	342770.0	0.573166	Y
6	IC 140-54608/15	1.0	0.553927	4.8	313358.0	0.553927	Y
7	ICIS 140-54608/22	2.0	1.072117	4.8	332789.0	0.536059	Y
8	IC 140-54608/8	4.0	2.091516	4.8	382044.0	0.522879	Y
9	IC 140-54608/6	8.0	4.200728	4.8	379749.0	0.525091	Y
10	IC 140-54608/4	16.0	8.277744	4.8	292050.0	0.517359	Y



Calibration

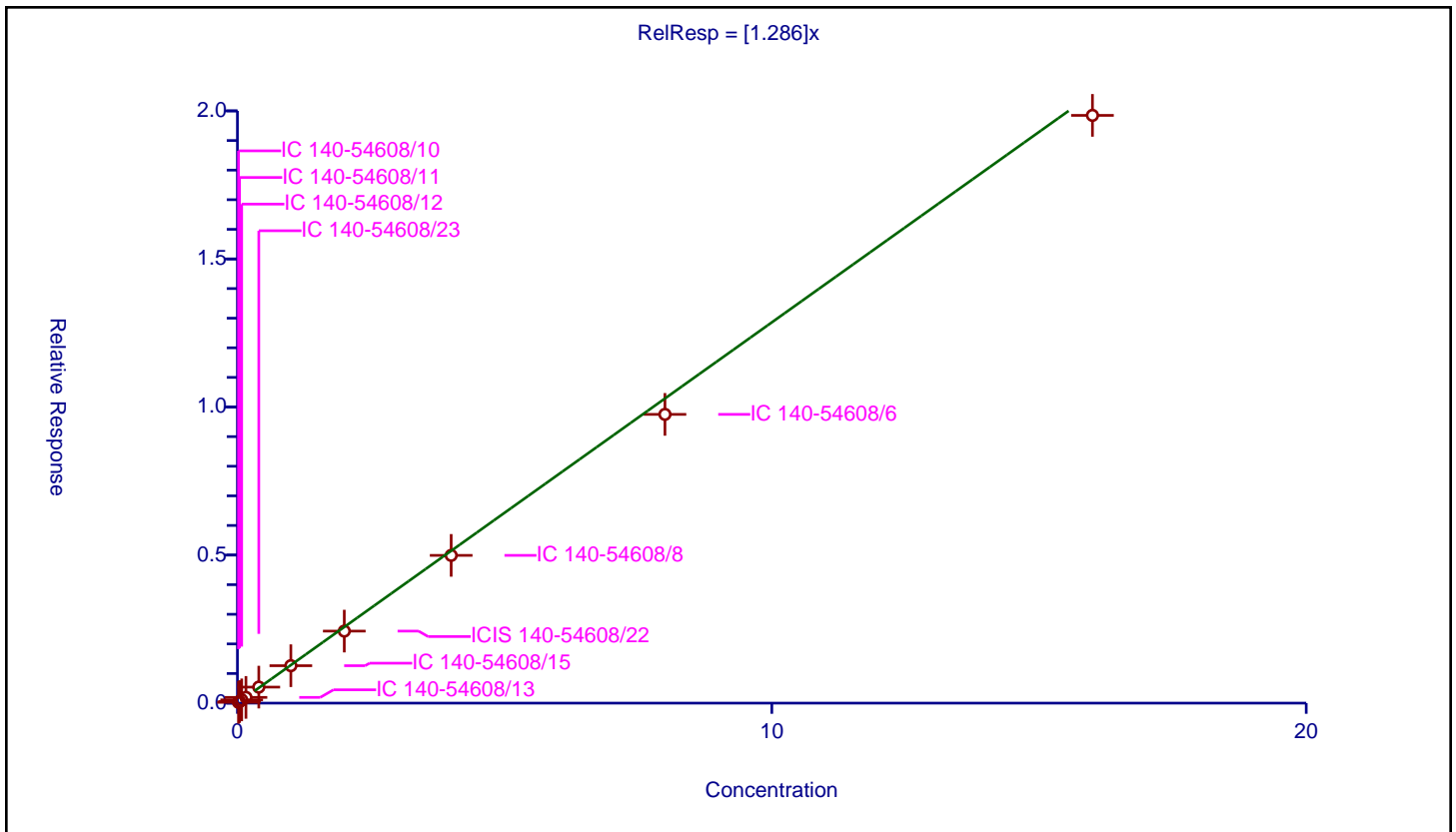
/ cis-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	1.286

Error Coefficients	
Standard Error:	500000
Relative Standard Error:	5.5
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.027792	4.8	392749.0	1.38959	Y
2	IC 140-54608/11	0.04	0.05379	4.8	336243.0	1.344742	Y
3	IC 140-54608/12	0.08	0.109803	4.8	318505.0	1.372537	Y
4	IC 140-54608/13	0.16	0.19391	4.8	312096.0	1.211935	Y
5	IC 140-54608/23	0.4	0.541042	4.8	342770.0	1.352604	Y
6	IC 140-54608/15	1.0	1.264052	4.8	313358.0	1.264052	Y
7	ICIS 140-54608/22	2.0	2.432417	4.8	332789.0	1.216208	Y
8	IC 140-54608/8	4.0	4.989277	4.8	382044.0	1.247319	Y
9	IC 140-54608/6	8.0	9.751477	4.8	379749.0	1.218935	Y
10	IC 140-54608/4	16.0	19.84779	4.8	292050.0	1.240487	Y



Calibration

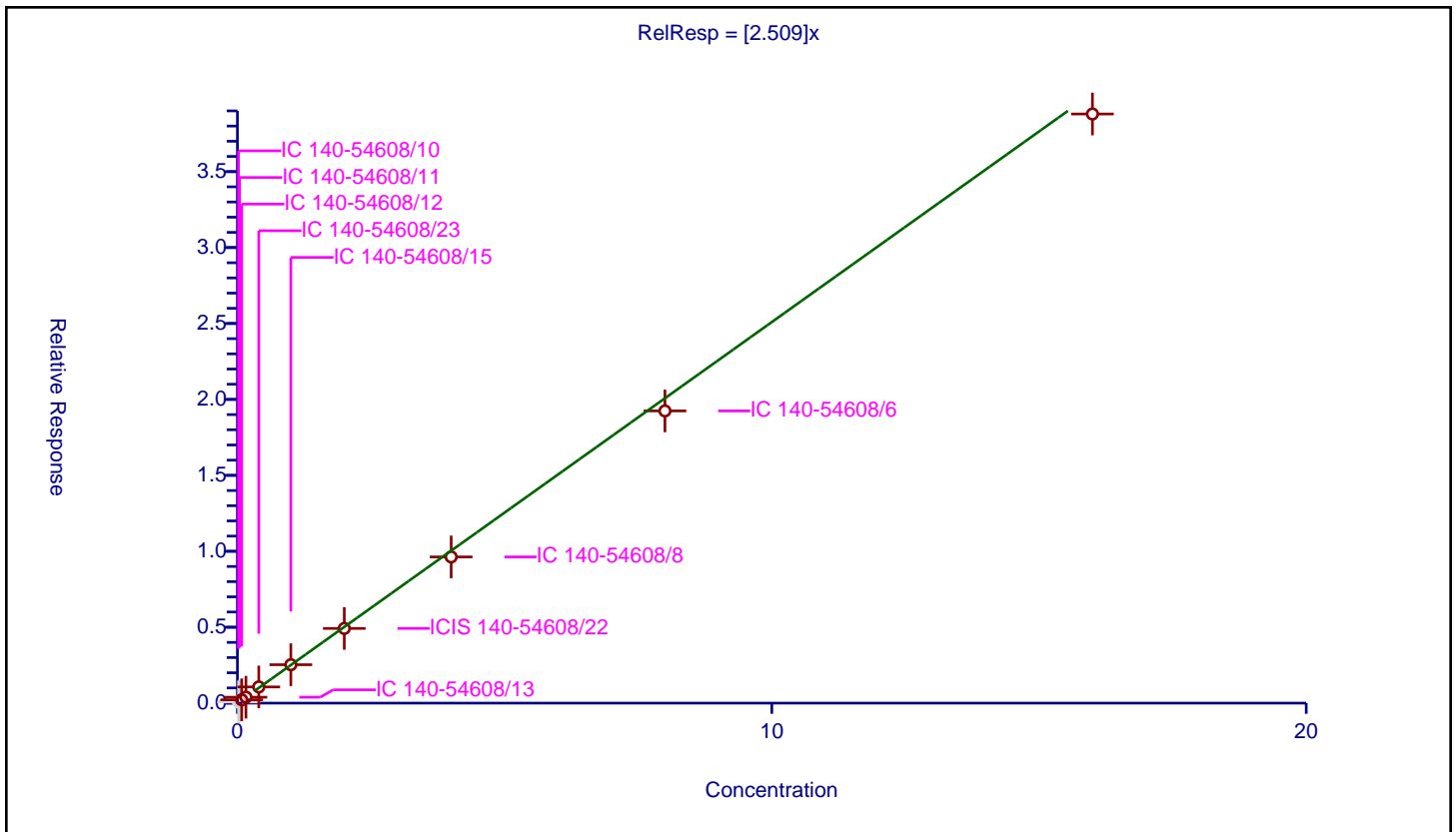
/ Ethyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	2.509

Error Coefficients	
Standard Error:	1110000
Relative Standard Error:	5.1
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.075517	4.8	392749.0	3.775847	N
2	IC 140-54608/11	0.04	0.138086	4.8	336243.0	3.452146	N
3	IC 140-54608/12	0.08	0.219274	4.8	318505.0	2.74093	Y
4	IC 140-54608/13	0.16	0.390388	4.8	312096.0	2.439922	Y
5	IC 140-54608/23	0.4	1.067477	4.8	342770.0	2.668693	Y
6	IC 140-54608/15	1.0	2.529605	4.8	313358.0	2.529605	Y
7	ICIS 140-54608/22	2.0	4.919023	4.8	332789.0	2.459512	Y
8	IC 140-54608/8	4.0	9.627704	4.8	382044.0	2.406926	Y
9	IC 140-54608/6	8.0	19.241762	4.8	379749.0	2.40522	Y
10	IC 140-54608/4	16.0	38.794322	4.8	292050.0	2.424645	Y



Calibration

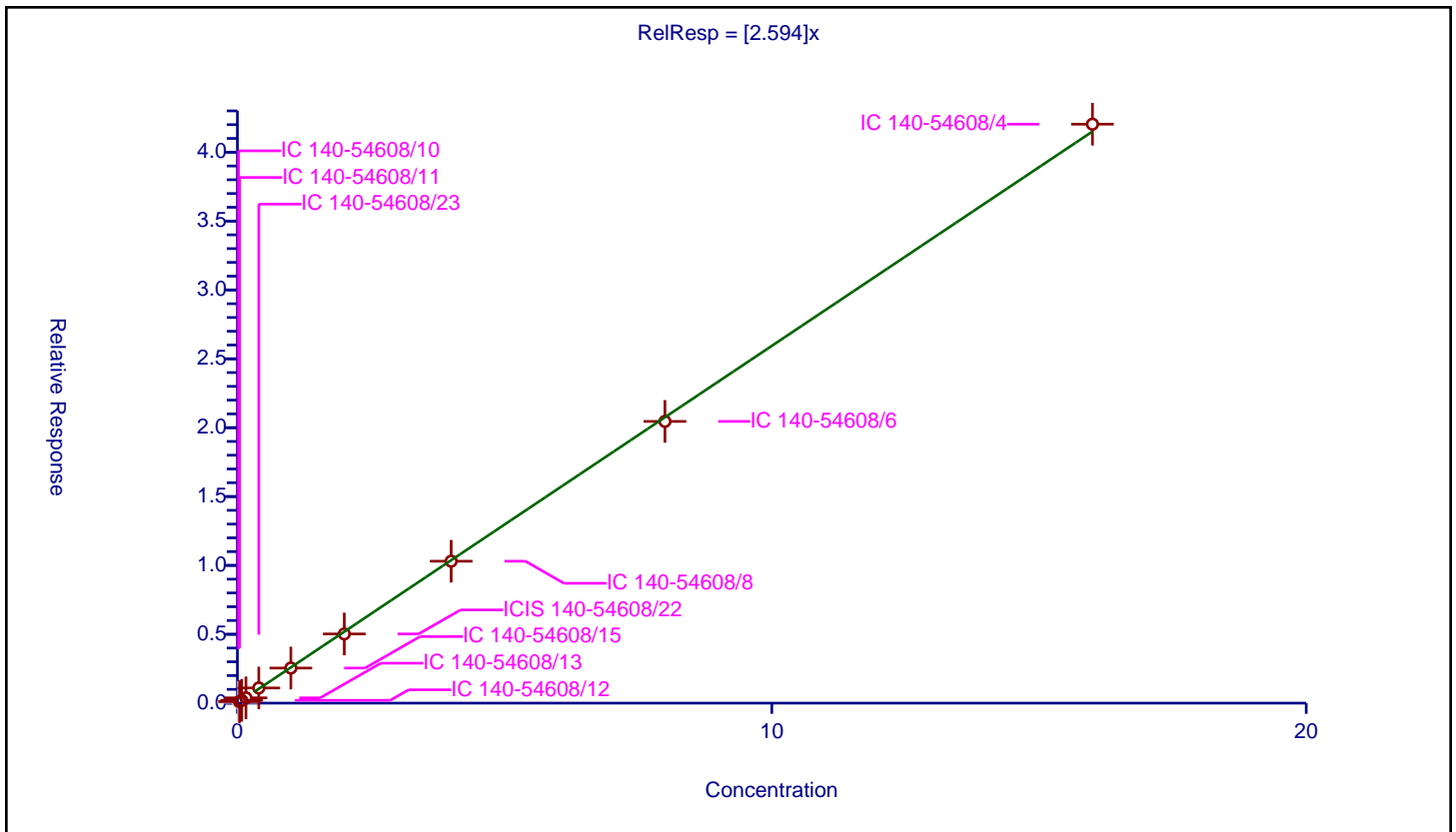
/ Chloroform

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

Curve Coefficients	
Intercept:	0
Slope:	2.594

Error Coefficients	
Standard Error:	1120000
Relative Standard Error:	4.7
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.061254	4.8	392749.0	3.062719	N
2	IC 140-54608/11	0.04	0.112076	4.8	336243.0	2.801902	Y
3	IC 140-54608/12	0.08	0.205832	4.8	318505.0	2.572895	Y
4	IC 140-54608/13	0.16	0.384113	4.8	312096.0	2.400704	Y
5	IC 140-54608/23	0.4	1.100456	4.8	342770.0	2.751139	Y
6	IC 140-54608/15	1.0	2.548155	4.8	313358.0	2.548155	Y
7	ICIS 140-54608/22	2.0	5.022729	4.8	332789.0	2.511364	Y
8	IC 140-54608/8	4.0	10.30322	4.8	382044.0	2.575805	Y
9	IC 140-54608/6	8.0	20.453995	4.8	379749.0	2.556749	Y
10	IC 140-54608/4	16.0	42.03518	4.8	292050.0	2.627199	Y



Calibration

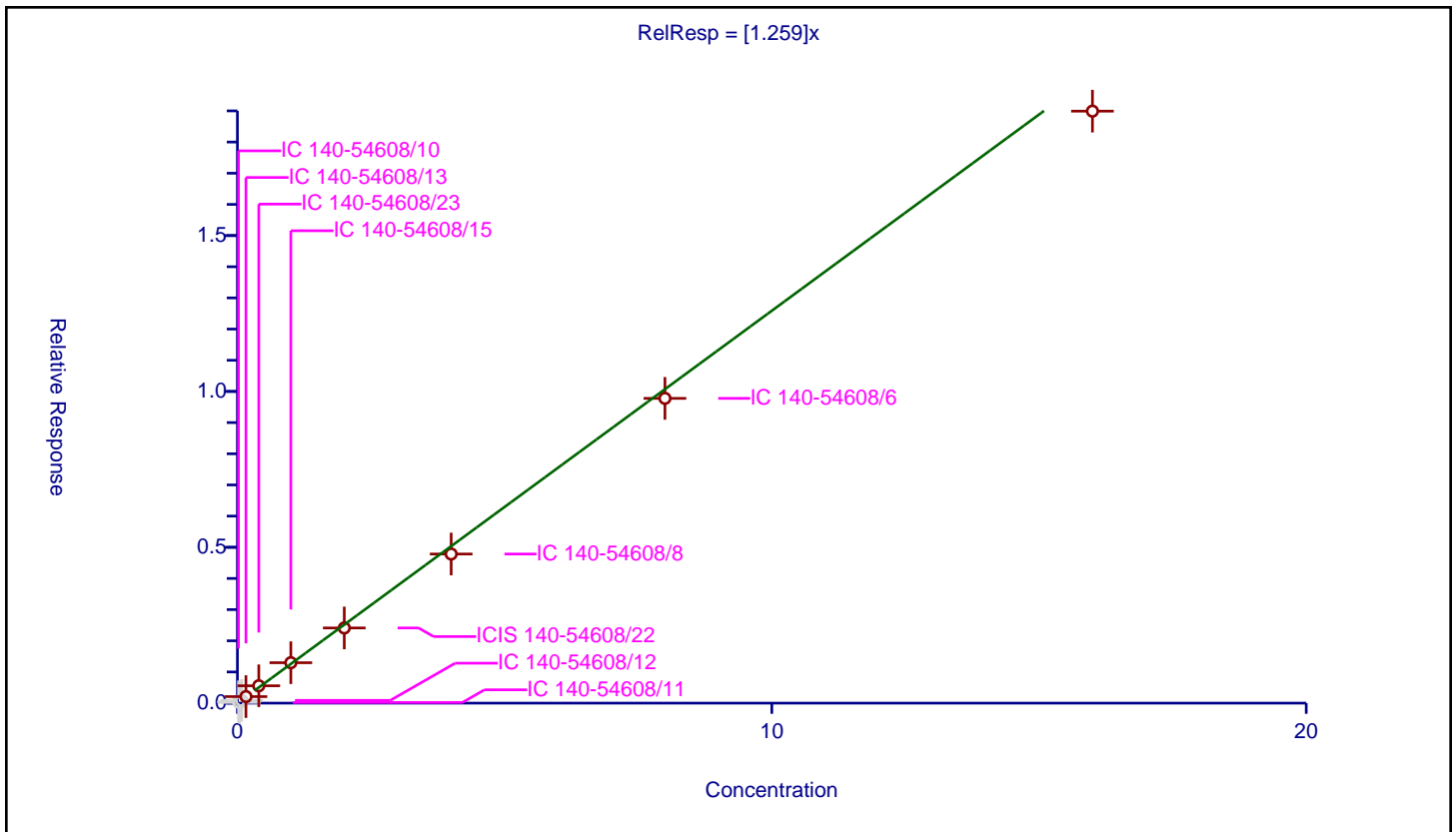
/ Tetrahydrofuran

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

Curve Coefficients	
Intercept:	0
Slope:	1.259

Error Coefficients	
Standard Error:	594000
Relative Standard Error:	6.1
Correlation Coefficient:	0.973
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.042665	4.8	392749.0	2.133271	N
2	IC 140-54608/11	0.04	0.022141	4.8	336243.0	0.553528	N
3	IC 140-54608/12	0.08	0.088207	4.8	318505.0	1.102589	N
4	IC 140-54608/13	0.16	0.210089	4.8	312096.0	1.313058	Y
5	IC 140-54608/23	0.4	0.556543	4.8	342770.0	1.391359	Y
6	IC 140-54608/15	1.0	1.296449	4.8	313358.0	1.296449	Y
7	ICIS 140-54608/22	2.0	2.411315	4.8	332789.0	1.205658	Y
8	IC 140-54608/8	4.0	4.78383	4.8	382044.0	1.195958	Y
9	IC 140-54608/6	8.0	9.777363	4.8	379749.0	1.22217	Y
10	IC 140-54608/4	16.0	18.991532	4.8	292050.0	1.186971	Y



Calibration

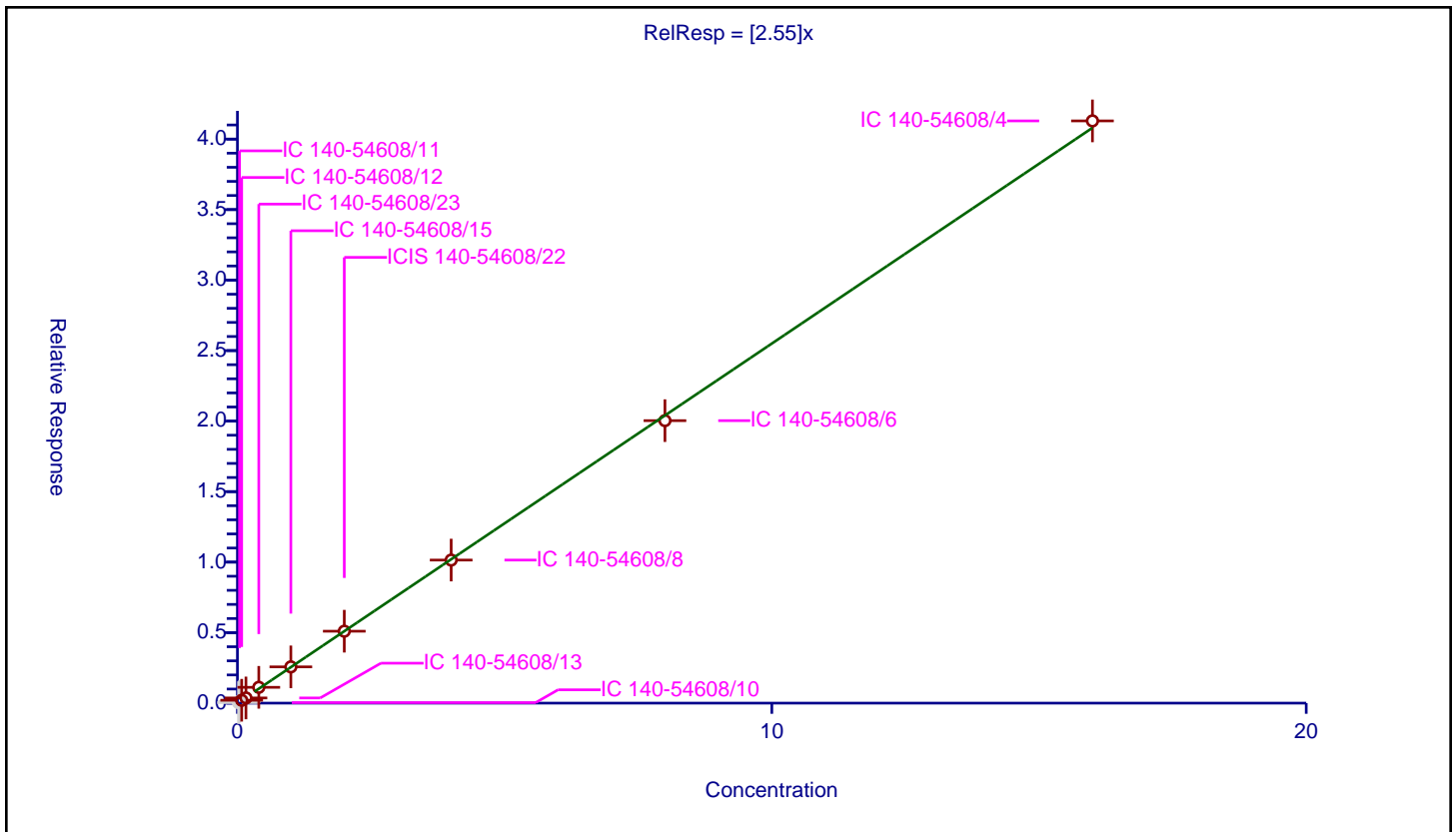
/ 1,1,1-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	2.55

Error Coefficients	
Standard Error:	1170000
Relative Standard Error:	5.4
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.036701	4.8	392749.0	1.835065	N
2	IC 140-54608/11	0.04	0.127551	4.8	336243.0	3.188765	N
3	IC 140-54608/12	0.08	0.204279	4.8	318505.0	2.553492	Y
4	IC 140-54608/13	0.16	0.367841	4.8	312096.0	2.299004	Y
5	IC 140-54608/23	0.4	1.121489	4.8	342770.0	2.803723	Y
6	IC 140-54608/15	1.0	2.571592	4.8	313358.0	2.571592	Y
7	ICIS 140-54608/22	2.0	5.100169	4.8	332789.0	2.550084	Y
8	IC 140-54608/8	4.0	10.145453	4.8	382044.0	2.536363	Y
9	IC 140-54608/6	8.0	20.034058	4.8	379749.0	2.504257	Y
10	IC 140-54608/4	16.0	41.290667	4.8	292050.0	2.580667	Y



Calibration

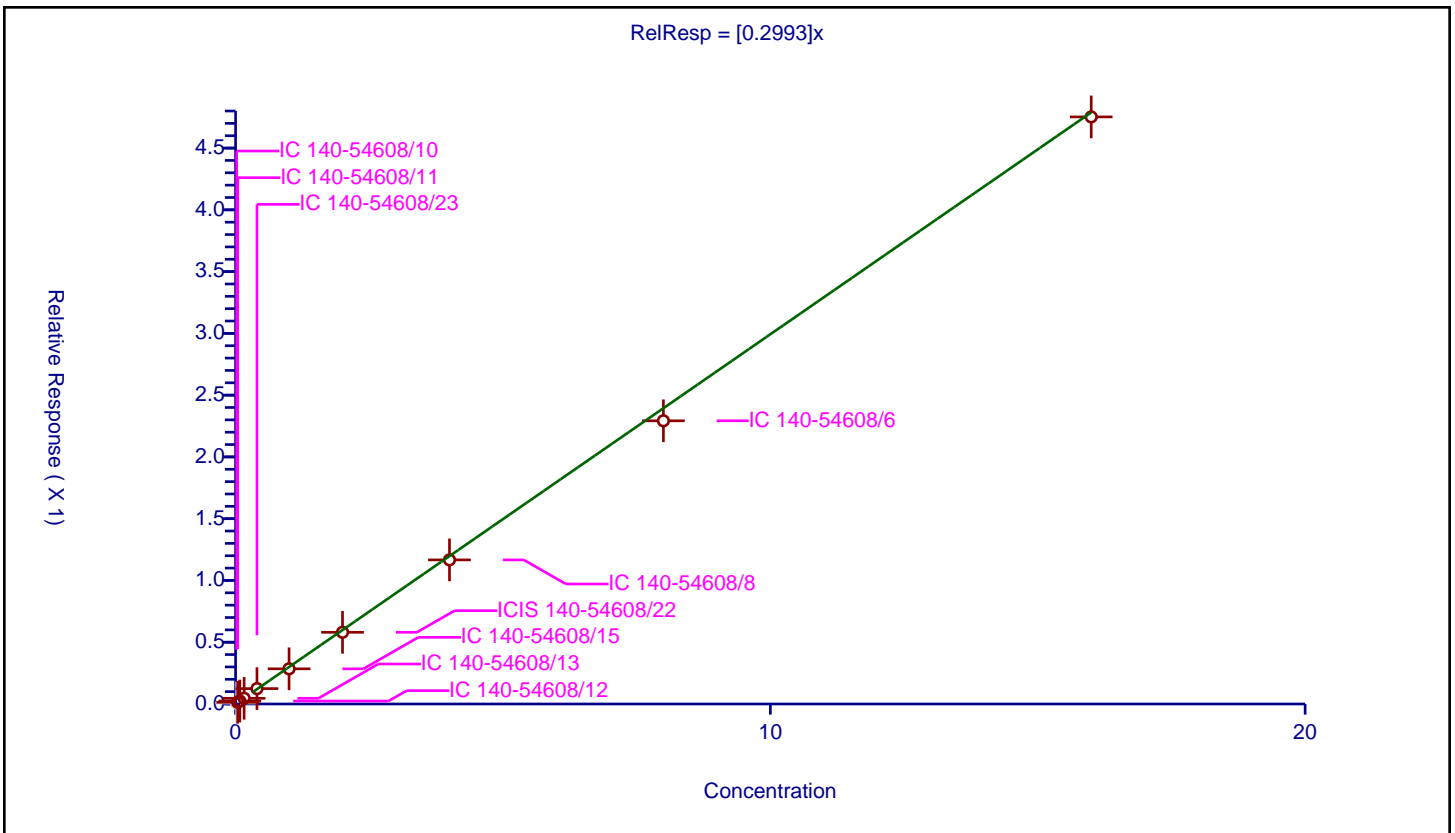
/ 1,2-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2993

Error Coefficients	
Standard Error:	558000
Relative Standard Error:	6.4
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.007747	4.8	1858672.0	0.387373	N
2	IC 140-54608/11	0.04	0.013818	4.8	1550355.0	0.345443	Y
3	IC 140-54608/12	0.08	0.023873	4.8	1518614.0	0.298417	Y
4	IC 140-54608/13	0.16	0.046117	4.8	1446444.0	0.288231	Y
5	IC 140-54608/23	0.4	0.124531	4.8	1652448.0	0.311327	Y
6	IC 140-54608/15	1.0	0.284672	4.8	1437799.0	0.284672	Y
7	ICIS 140-54608/22	2.0	0.580362	4.8	1539788.0	0.290181	Y
8	IC 140-54608/8	4.0	1.166474	4.8	1742215.0	0.291618	Y
9	IC 140-54608/6	8.0	2.292395	4.8	1753861.0	0.286549	Y
10	IC 140-54608/4	16.0	4.752194	4.8	1264821.0	0.297012	Y



Calibration

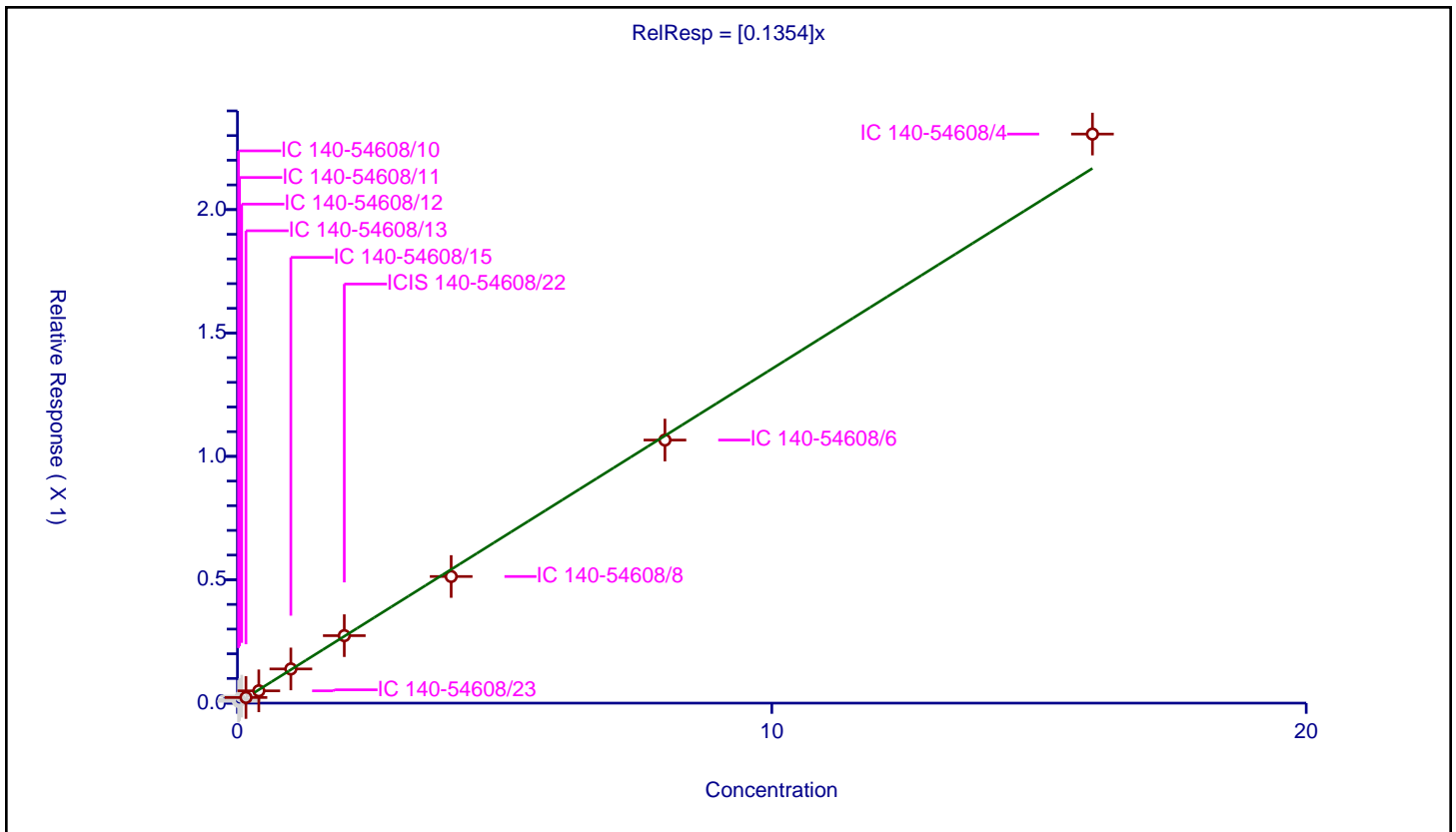
/ n-Butanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.1354

Error Coefficients	
Standard Error:	307000
Relative Standard Error:	5.4
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.007409	4.8	1858672.0	0.370458	N
2	IC 140-54608/11	0.04	0.014412	4.8	1550355.0	0.360305	N
3	IC 140-54608/12	0.08	0.028352	4.8	1518614.0	0.354402	N
4	IC 140-54608/13	0.16	0.022838	4.8	1446444.0	0.142736	Y
5	IC 140-54608/23	0.4	0.049771	4.8	1652448.0	0.124426	Y
6	IC 140-54608/15	1.0	0.138558	4.8	1437799.0	0.138558	Y
7	ICIS 140-54608/22	2.0	0.273391	4.8	1539788.0	0.136696	Y
8	IC 140-54608/8	4.0	0.513118	4.8	1742215.0	0.128279	Y
9	IC 140-54608/6	8.0	1.066051	4.8	1753861.0	0.133256	Y
10	IC 140-54608/4	16.0	2.30614	4.8	1264821.0	0.144134	Y



Calibration

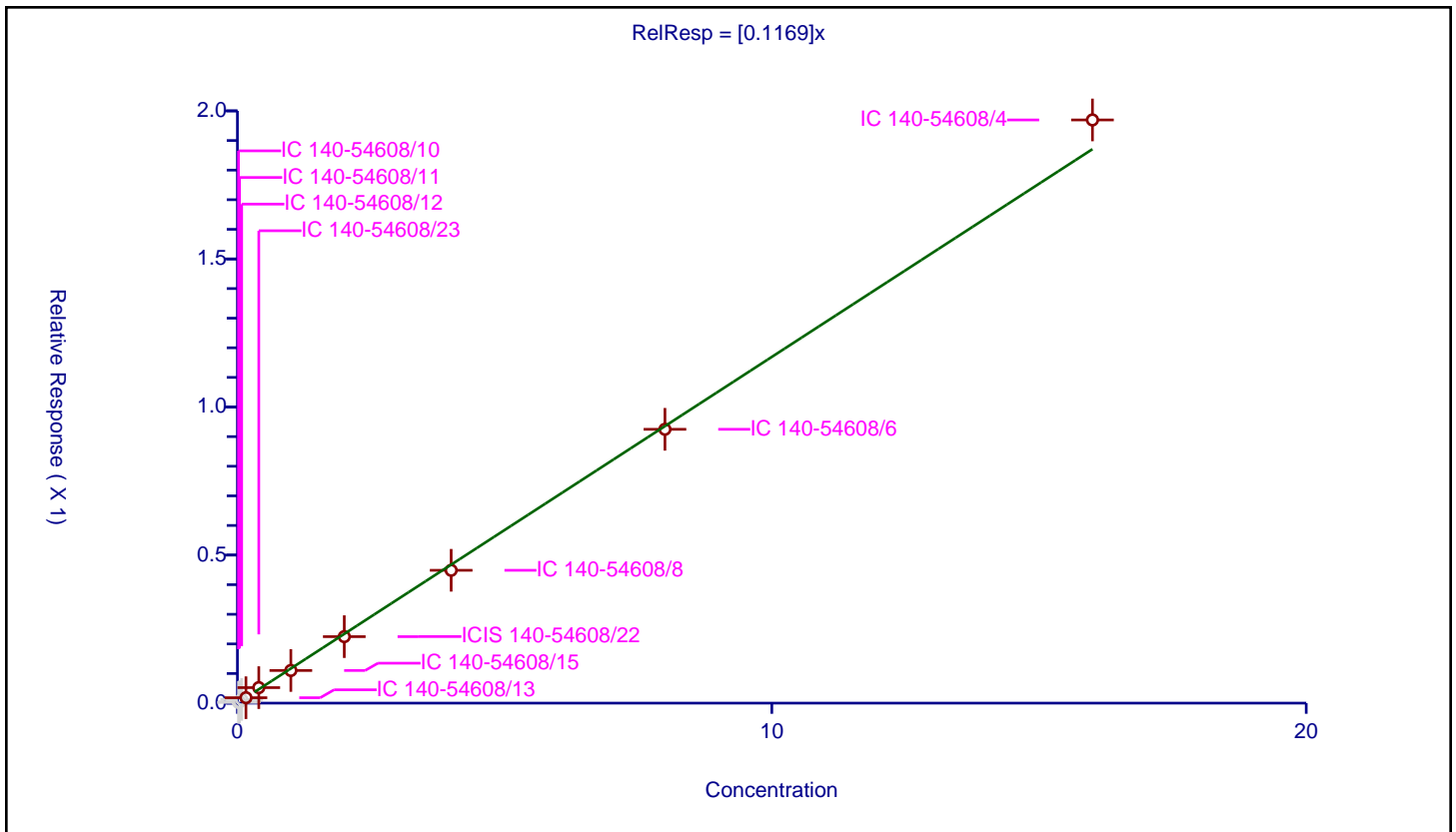
/ Cyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1169

Error Coefficients	
Standard Error:	264000
Relative Standard Error:	6.4
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.002391	4.8	1858672.0	0.119569	N
2	IC 140-54608/11	0.04	0.004681	4.8	1550355.0	0.117031	N
3	IC 140-54608/12	0.08	0.012596	4.8	1518614.0	0.157446	N
4	IC 140-54608/13	0.16	0.018262	4.8	1446444.0	0.114135	Y
5	IC 140-54608/23	0.4	0.052396	4.8	1652448.0	0.130991	Y
6	IC 140-54608/15	1.0	0.110225	4.8	1437799.0	0.110225	Y
7	ICIS 140-54608/22	2.0	0.224559	4.8	1539788.0	0.112279	Y
8	IC 140-54608/8	4.0	0.448577	4.8	1742215.0	0.112144	Y
9	IC 140-54608/6	8.0	0.924738	4.8	1753861.0	0.115592	Y
10	IC 140-54608/4	16.0	1.969436	4.8	1264821.0	0.12309	Y



Calibration

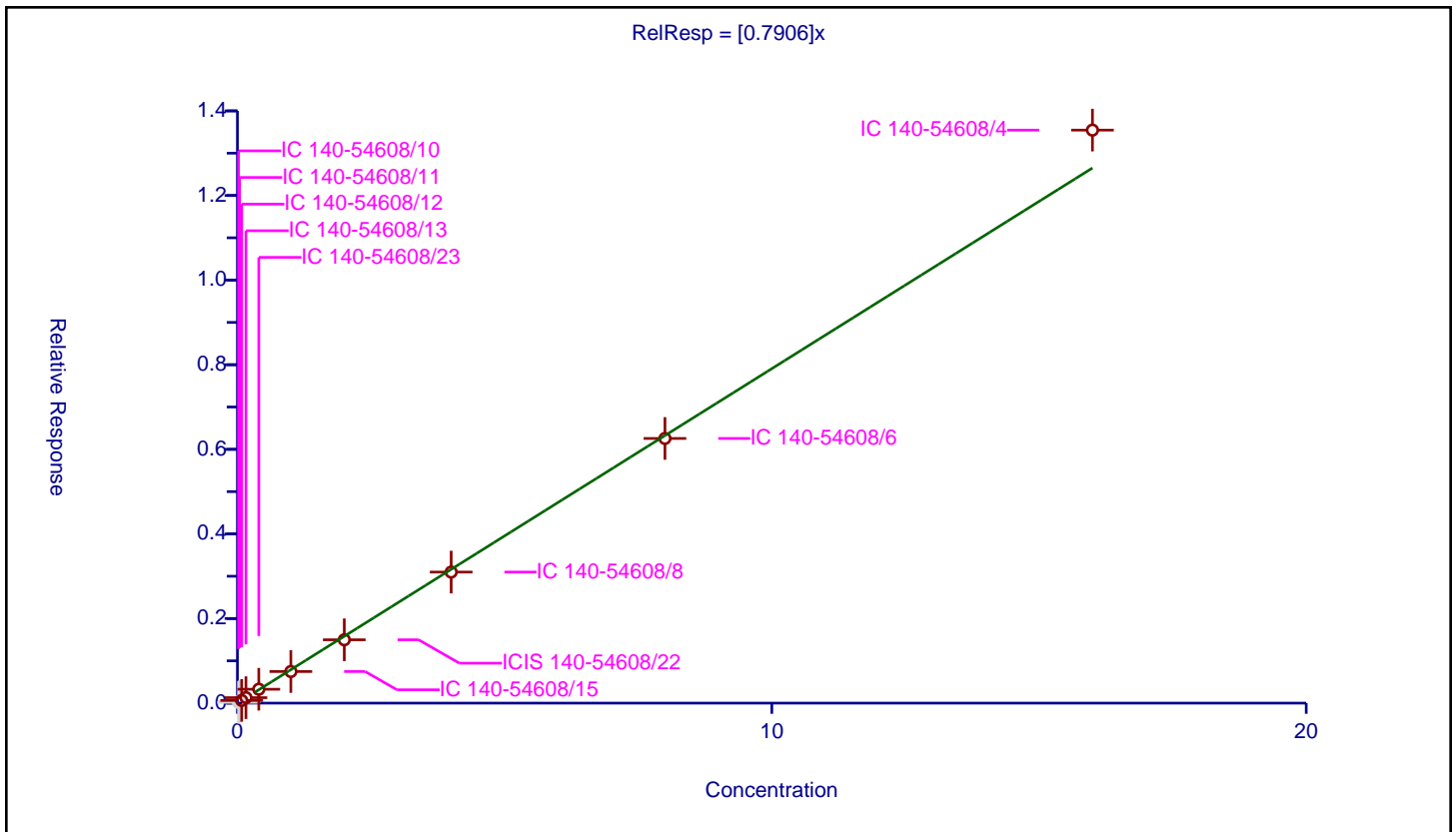
/ Benzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7906

Error Coefficients	
Standard Error:	1670000
Relative Standard Error:	4.4
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.017783	4.8	1858672.0	0.889151	N
2	IC 140-54608/11	0.04	0.042348	4.8	1550355.0	1.058699	N
3	IC 140-54608/12	0.08	0.063826	4.8	1518614.0	0.79782	Y
4	IC 140-54608/13	0.16	0.129275	4.8	1446444.0	0.807968	Y
5	IC 140-54608/23	0.4	0.328246	4.8	1652448.0	0.820615	Y
6	IC 140-54608/15	1.0	0.746945	4.8	1437799.0	0.746945	Y
7	ICIS 140-54608/22	2.0	1.497311	4.8	1539788.0	0.748655	Y
8	IC 140-54608/8	4.0	3.09799	4.8	1742215.0	0.774498	Y
9	IC 140-54608/6	8.0	6.256368	4.8	1753861.0	0.782046	Y
10	IC 140-54608/4	16.0	13.545194	4.8	1264821.0	0.846575	Y



Calibration

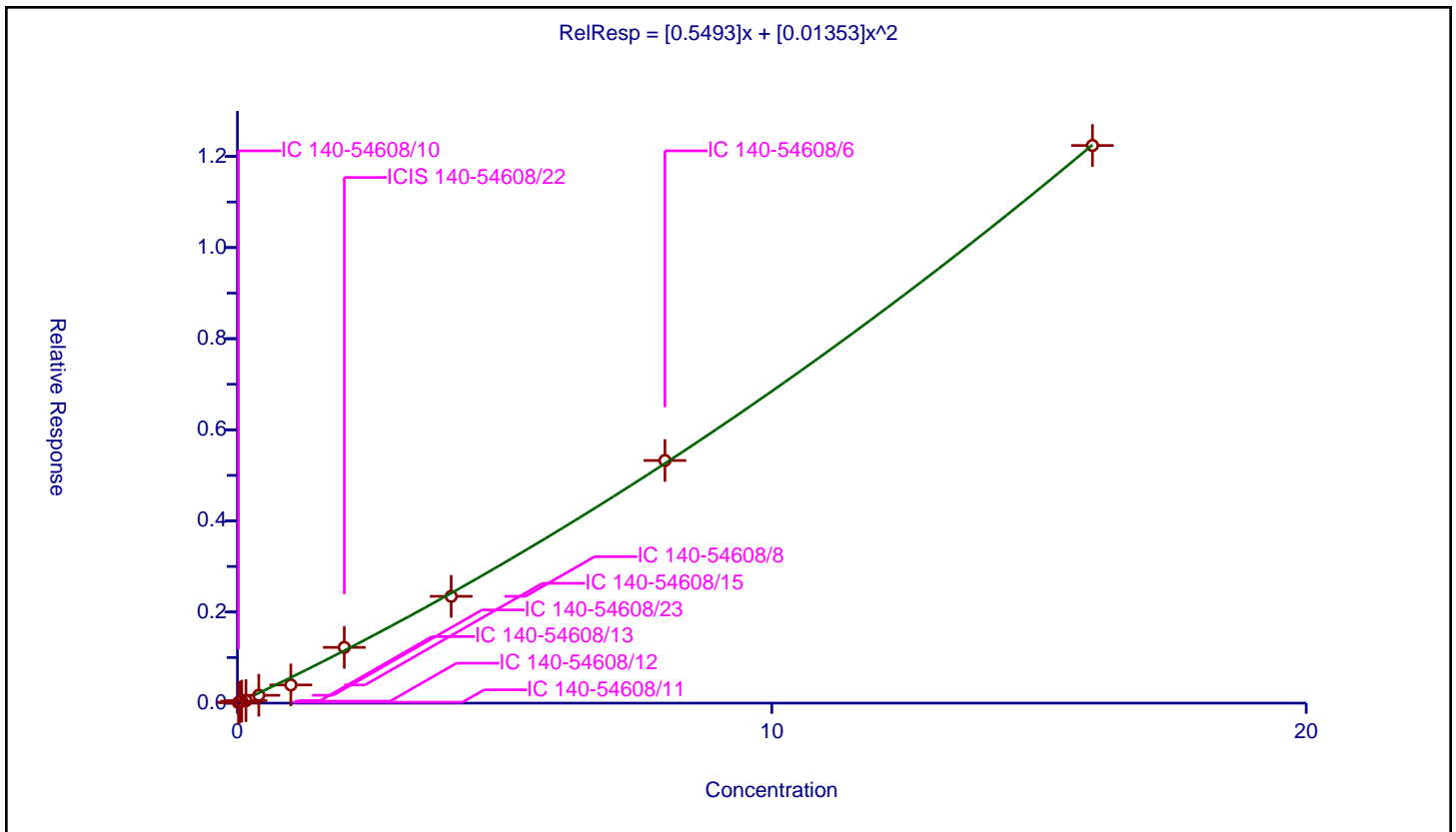
/ Carbon tetrachloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.5493
Second Order:	0.01353

Error Coefficients	
Standard Error:	1370000
Relative Standard Error:	18.9
Correlation Coefficient:	0.974
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.011293	4.8	1858672.0	0.564661	Y
2	IC 140-54608/11	0.04	0.020344	4.8	1550355.0	0.508606	Y
3	IC 140-54608/12	0.08	0.043344	4.8	1518614.0	0.541797	Y
4	IC 140-54608/13	0.16	0.054473	4.8	1446444.0	0.340456	Y
5	IC 140-54608/23	0.4	0.17241	4.8	1652448.0	0.431026	Y
6	IC 140-54608/15	1.0	0.399334	4.8	1437799.0	0.399334	Y
7	ICIS 140-54608/22	2.0	1.223255	4.8	1539788.0	0.611628	Y
8	IC 140-54608/8	4.0	2.34488	4.8	1742215.0	0.58622	Y
9	IC 140-54608/6	8.0	5.326049	4.8	1753861.0	0.665756	Y
10	IC 140-54608/4	16.0	12.240757	4.8	1264821.0	0.765047	Y



Calibration

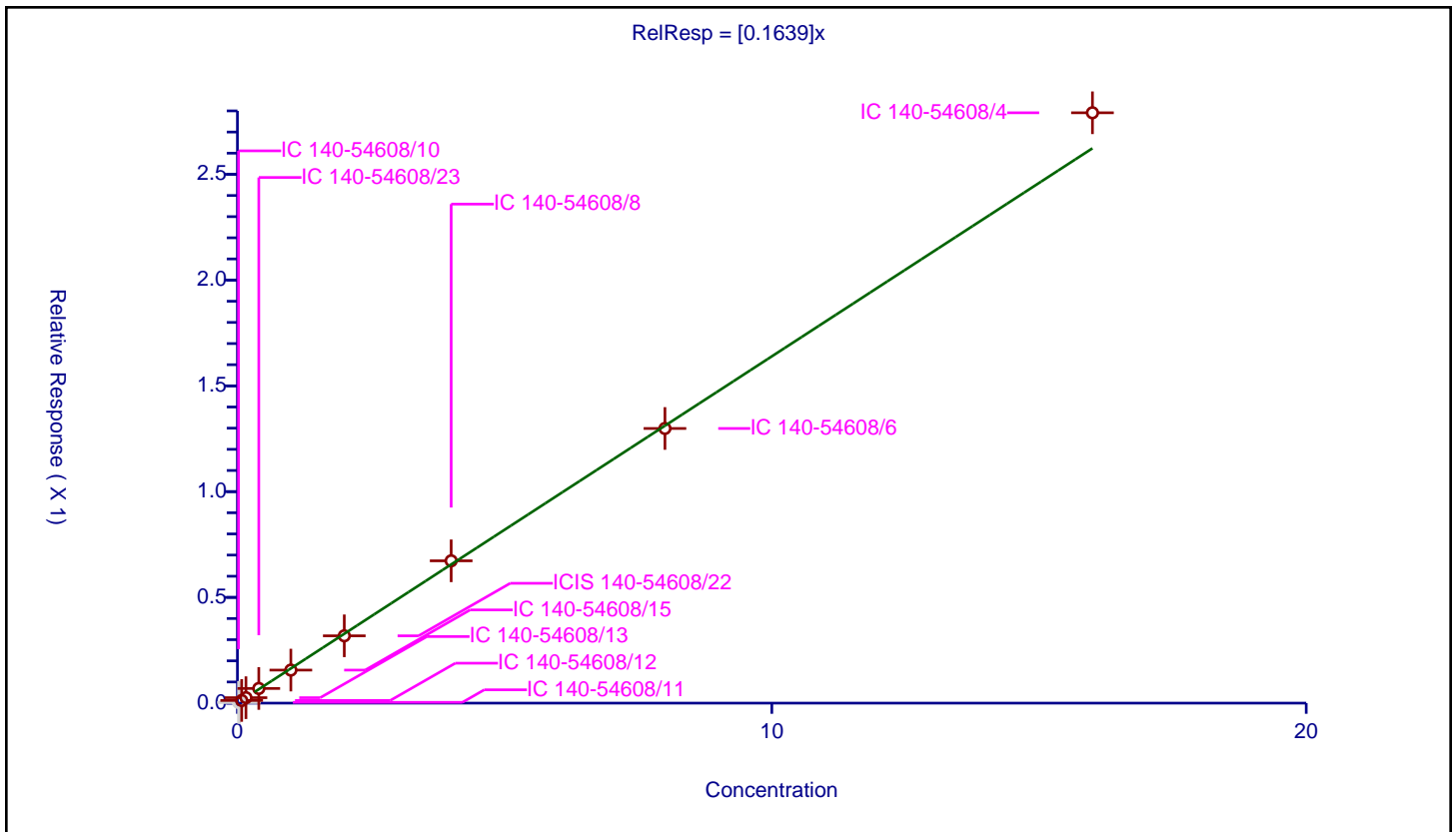
/ 2,3-Dimethylpentane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1639

Error Coefficients	
Standard Error:	346000
Relative Standard Error:	4.3
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.003512	4.8	1858672.0	0.175609	N
2	IC 140-54608/11	0.04	0.003852	4.8	1550355.0	0.096288	N
3	IC 140-54608/12	0.08	0.012599	4.8	1518614.0	0.157486	Y
4	IC 140-54608/13	0.16	0.025702	4.8	1446444.0	0.160635	Y
5	IC 140-54608/23	0.4	0.069256	4.8	1652448.0	0.173139	Y
6	IC 140-54608/15	1.0	0.156192	4.8	1437799.0	0.156192	Y
7	ICIS 140-54608/22	2.0	0.318284	4.8	1539788.0	0.159142	Y
8	IC 140-54608/8	4.0	0.672804	4.8	1742215.0	0.168201	Y
9	IC 140-54608/6	8.0	1.298541	4.8	1753861.0	0.162318	Y
10	IC 140-54608/4	16.0	2.791035	4.8	1264821.0	0.17444	Y



Calibration

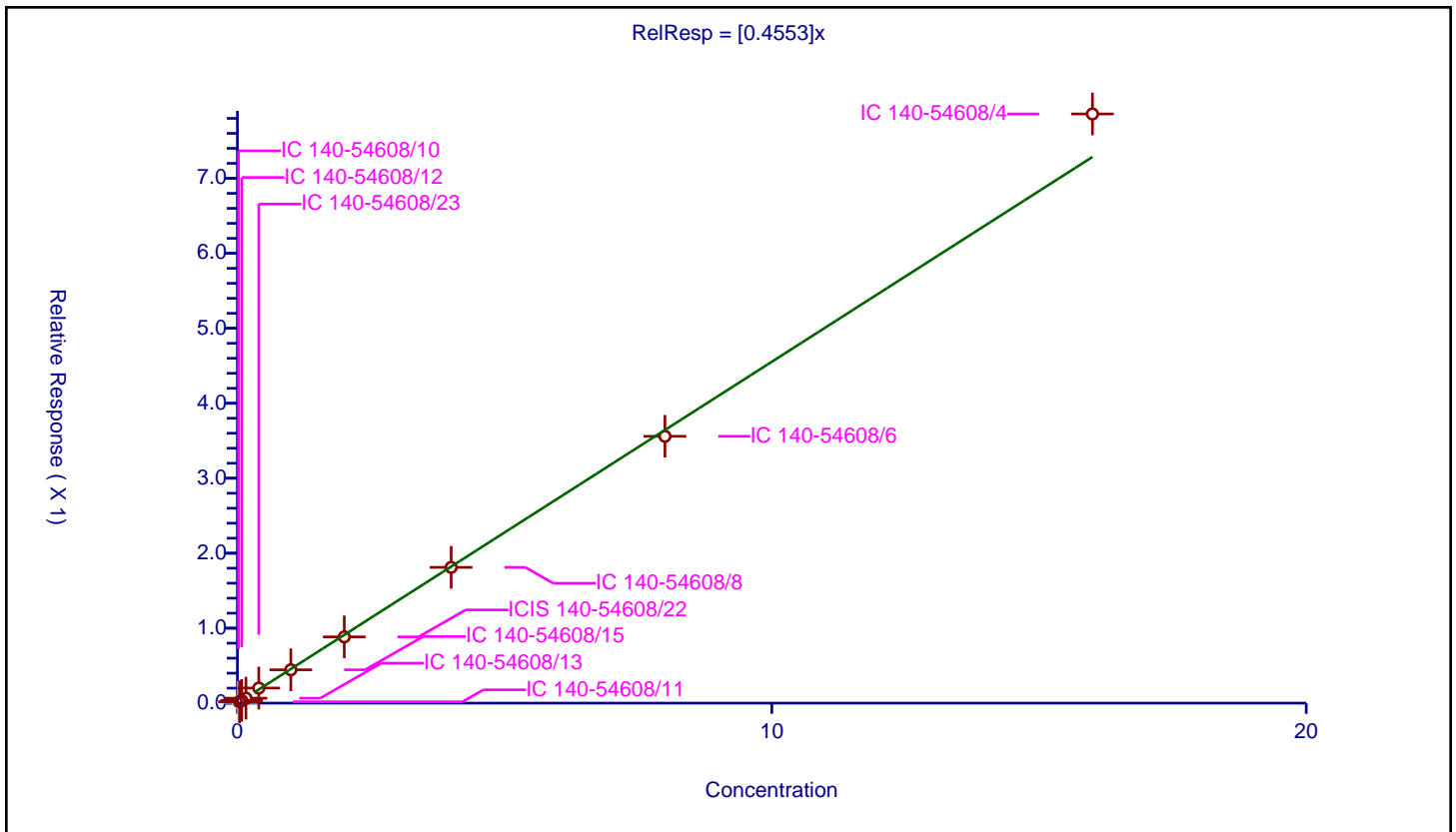
/ Thiophene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4553

Error Coefficients	
Standard Error:	902000
Relative Standard Error:	6.0
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.010449	4.8	1858672.0	0.522438	N
2	IC 140-54608/11	0.04	0.018115	4.8	1550355.0	0.452877	Y
3	IC 140-54608/12	0.08	0.03645	4.8	1518614.0	0.455626	Y
4	IC 140-54608/13	0.16	0.065746	4.8	1446444.0	0.410911	Y
5	IC 140-54608/23	0.4	0.201386	4.8	1652448.0	0.503464	Y
6	IC 140-54608/15	1.0	0.444616	4.8	1437799.0	0.444616	Y
7	ICIS 140-54608/22	2.0	0.883655	4.8	1539788.0	0.441828	Y
8	IC 140-54608/8	4.0	1.811005	4.8	1742215.0	0.452751	Y
9	IC 140-54608/6	8.0	3.559247	4.8	1753861.0	0.444906	Y
10	IC 140-54608/4	16.0	7.858625	4.8	1264821.0	0.491164	Y



Calibration

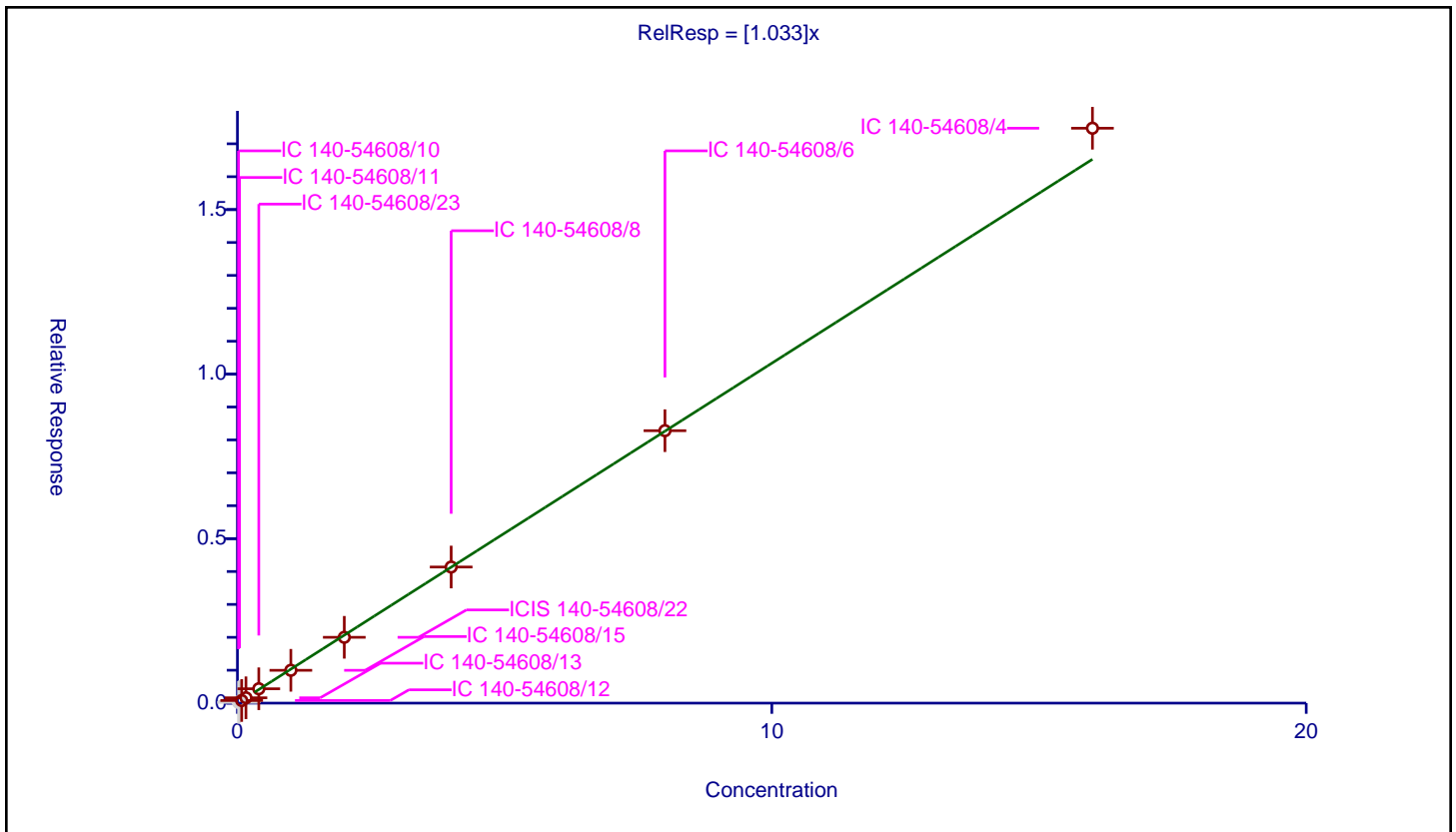
/ Isooctane

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

Curve Coefficients	
Intercept:	0
Slope:	1.033

Error Coefficients	
Standard Error:	2180000
Relative Standard Error:	3.8
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.022617	4.8	1858672.0	1.130872	N
2	IC 140-54608/11	0.04	0.048967	4.8	1550355.0	1.224184	N
3	IC 140-54608/12	0.08	0.079825	4.8	1518614.0	0.997818	Y
4	IC 140-54608/13	0.16	0.162563	4.8	1446444.0	1.016016	Y
5	IC 140-54608/23	0.4	0.436565	4.8	1652448.0	1.091413	Y
6	IC 140-54608/15	1.0	0.998002	4.8	1437799.0	0.998002	Y
7	ICIS 140-54608/22	2.0	2.000404	4.8	1539788.0	1.000202	Y
8	IC 140-54608/8	4.0	4.136833	4.8	1742215.0	1.034208	Y
9	IC 140-54608/6	8.0	8.280325	4.8	1753861.0	1.035041	Y
10	IC 140-54608/4	16.0	17.473361	4.8	1264821.0	1.092085	Y



Calibration

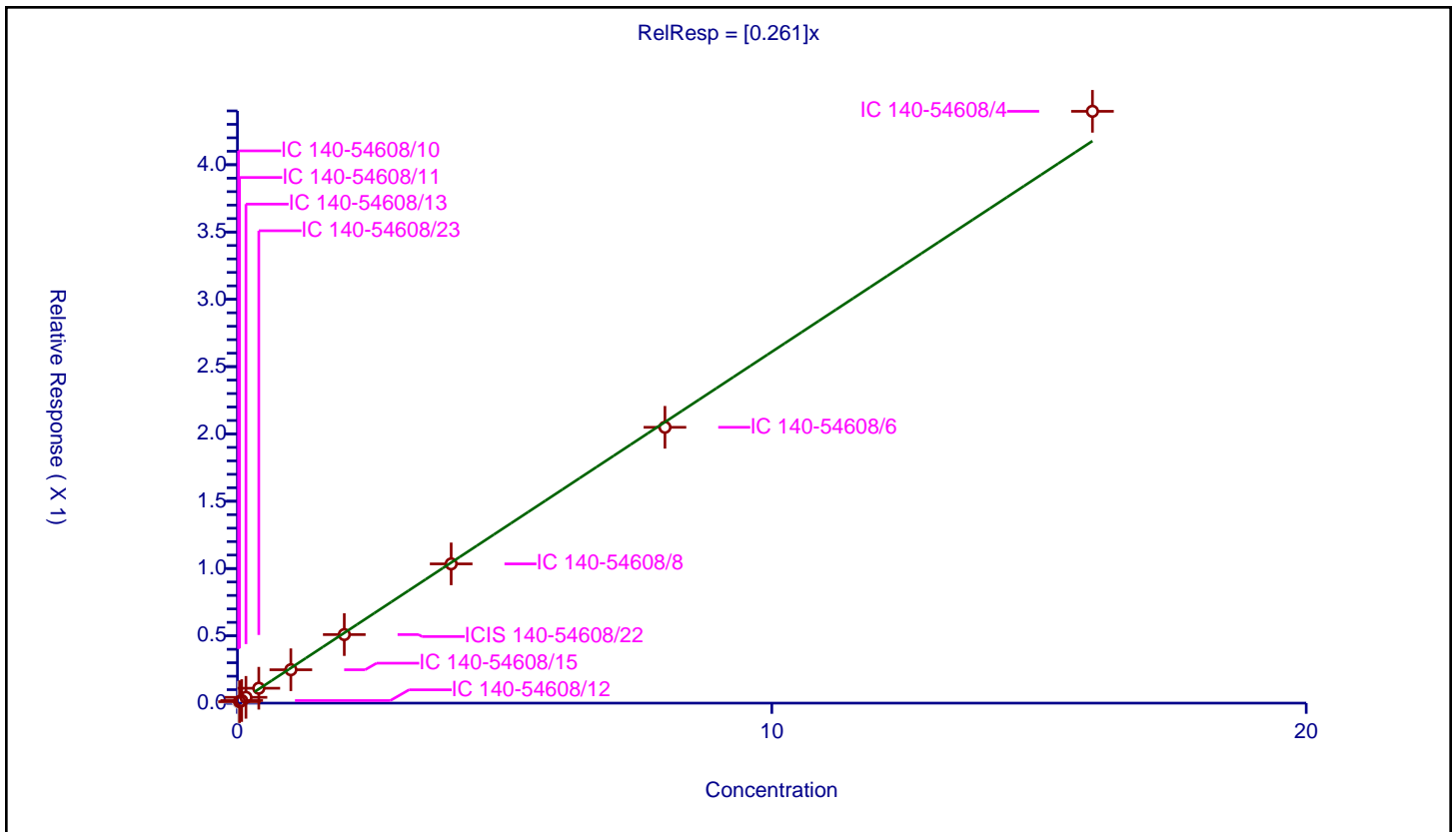
/ n-Heptane

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

Curve Coefficients	
Intercept:	0
Slope:	0.261

Error Coefficients	
Standard Error:	510000
Relative Standard Error:	5.0
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.006769	4.8	1858672.0	0.338435	N
2	IC 140-54608/11	0.04	0.010917	4.8	1550355.0	0.272918	Y
3	IC 140-54608/12	0.08	0.019085	4.8	1518614.0	0.23856	Y
4	IC 140-54608/13	0.16	0.042991	4.8	1446444.0	0.268693	Y
5	IC 140-54608/23	0.4	0.110634	4.8	1652448.0	0.276586	Y
6	IC 140-54608/15	1.0	0.248089	4.8	1437799.0	0.248089	Y
7	ICIS 140-54608/22	2.0	0.509232	4.8	1539788.0	0.254616	Y
8	IC 140-54608/8	4.0	1.034664	4.8	1742215.0	0.258666	Y
9	IC 140-54608/6	8.0	2.04924	4.8	1753861.0	0.256155	Y
10	IC 140-54608/4	16.0	4.396785	4.8	1264821.0	0.274799	Y



Calibration

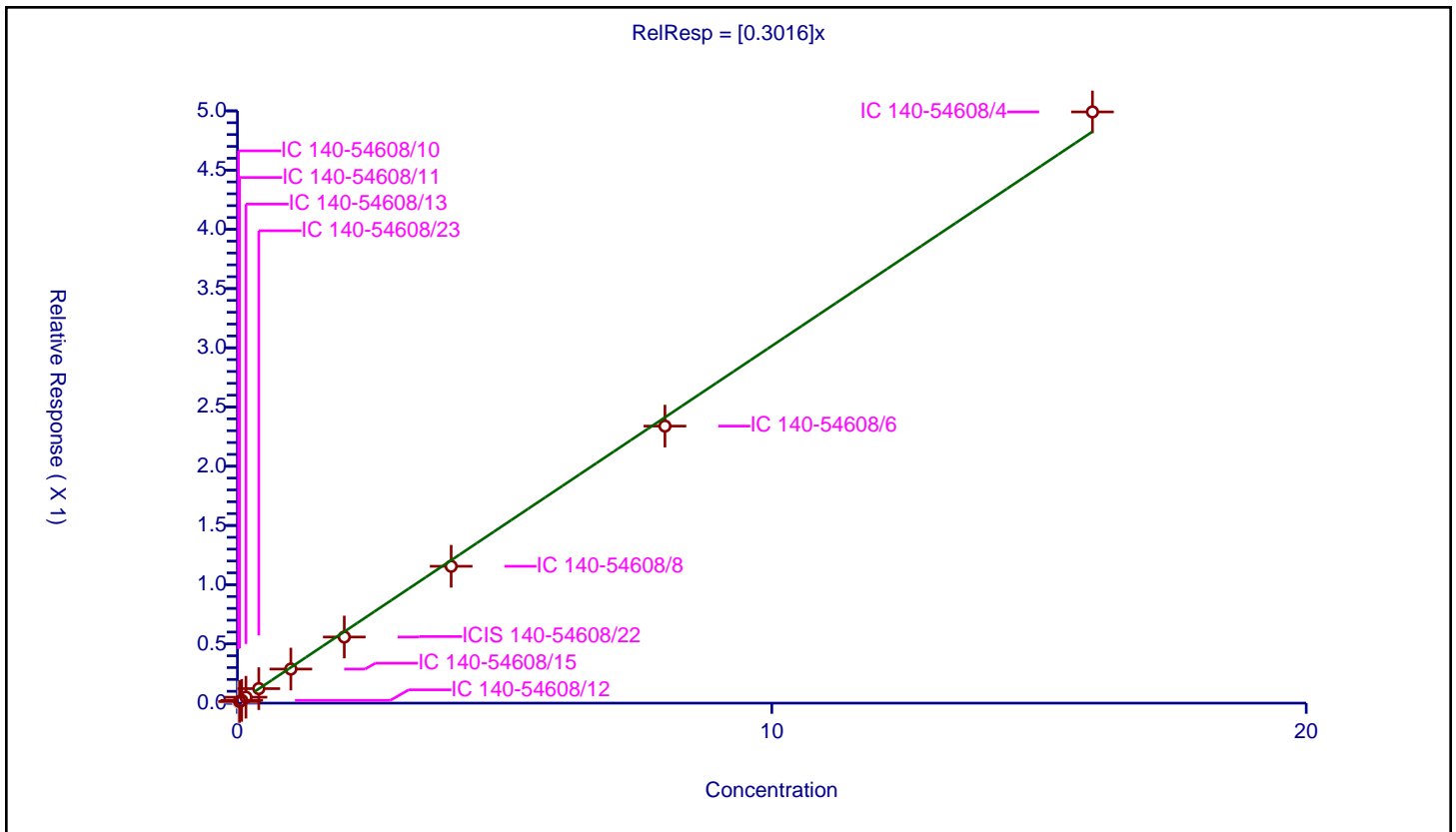
/ 1,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3016

Error Coefficients	
Standard Error:	579000
Relative Standard Error:	6.4
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.007662	4.8	1858672.0	0.383112	N
2	IC 140-54608/11	0.04	0.013703	4.8	1550355.0	0.34258	Y
3	IC 140-54608/12	0.08	0.023383	4.8	1518614.0	0.292293	Y
4	IC 140-54608/13	0.16	0.050116	4.8	1446444.0	0.313223	Y
5	IC 140-54608/23	0.4	0.122437	4.8	1652448.0	0.306091	Y
6	IC 140-54608/15	1.0	0.28762	4.8	1437799.0	0.28762	Y
7	ICIS 140-54608/22	2.0	0.558139	4.8	1539788.0	0.27907	Y
8	IC 140-54608/8	4.0	1.15534	4.8	1742215.0	0.288835	Y
9	IC 140-54608/6	8.0	2.338743	4.8	1753861.0	0.292343	Y
10	IC 140-54608/4	16.0	4.991181	4.8	1264821.0	0.311949	Y



Calibration

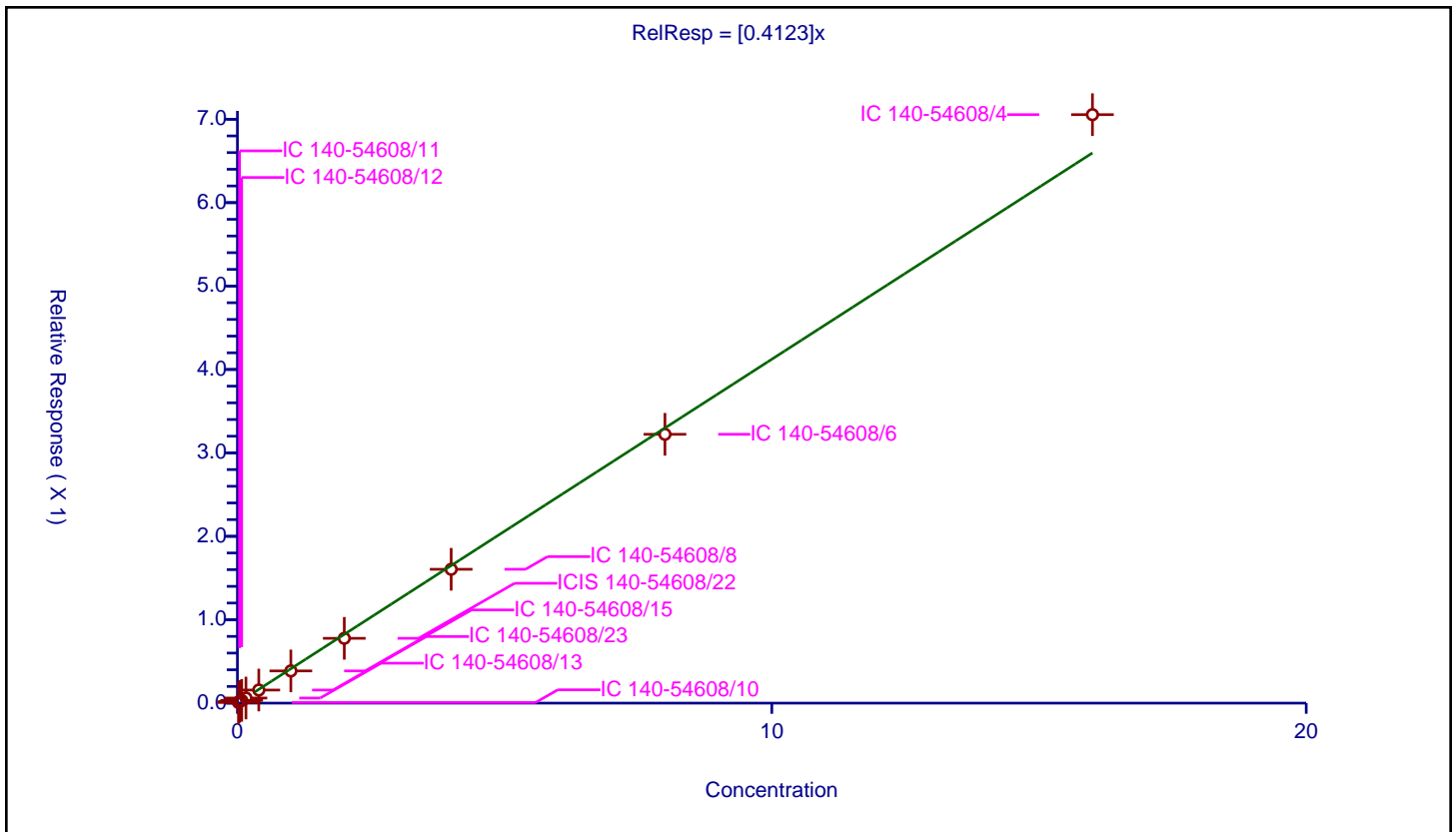
/ Trichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4123

Error Coefficients	
Standard Error:	765000
Relative Standard Error:	9.8
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.007946	4.8	1858672.0	0.397316	Y
2	IC 140-54608/11	0.04	0.020666	4.8	1550355.0	0.516656	Y
3	IC 140-54608/12	0.08	0.033115	4.8	1518614.0	0.413943	Y
4	IC 140-54608/13	0.16	0.06117	4.8	1446444.0	0.38231	Y
5	IC 140-54608/23	0.4	0.157079	4.8	1652448.0	0.392697	Y
6	IC 140-54608/15	1.0	0.38623	4.8	1437799.0	0.38623	Y
7	ICIS 140-54608/22	2.0	0.777006	4.8	1539788.0	0.388503	Y
8	IC 140-54608/8	4.0	1.604702	4.8	1742215.0	0.401176	Y
9	IC 140-54608/6	8.0	3.222738	4.8	1753861.0	0.402842	Y
10	IC 140-54608/4	16.0	7.054858	4.8	1264821.0	0.440929	Y



Calibration

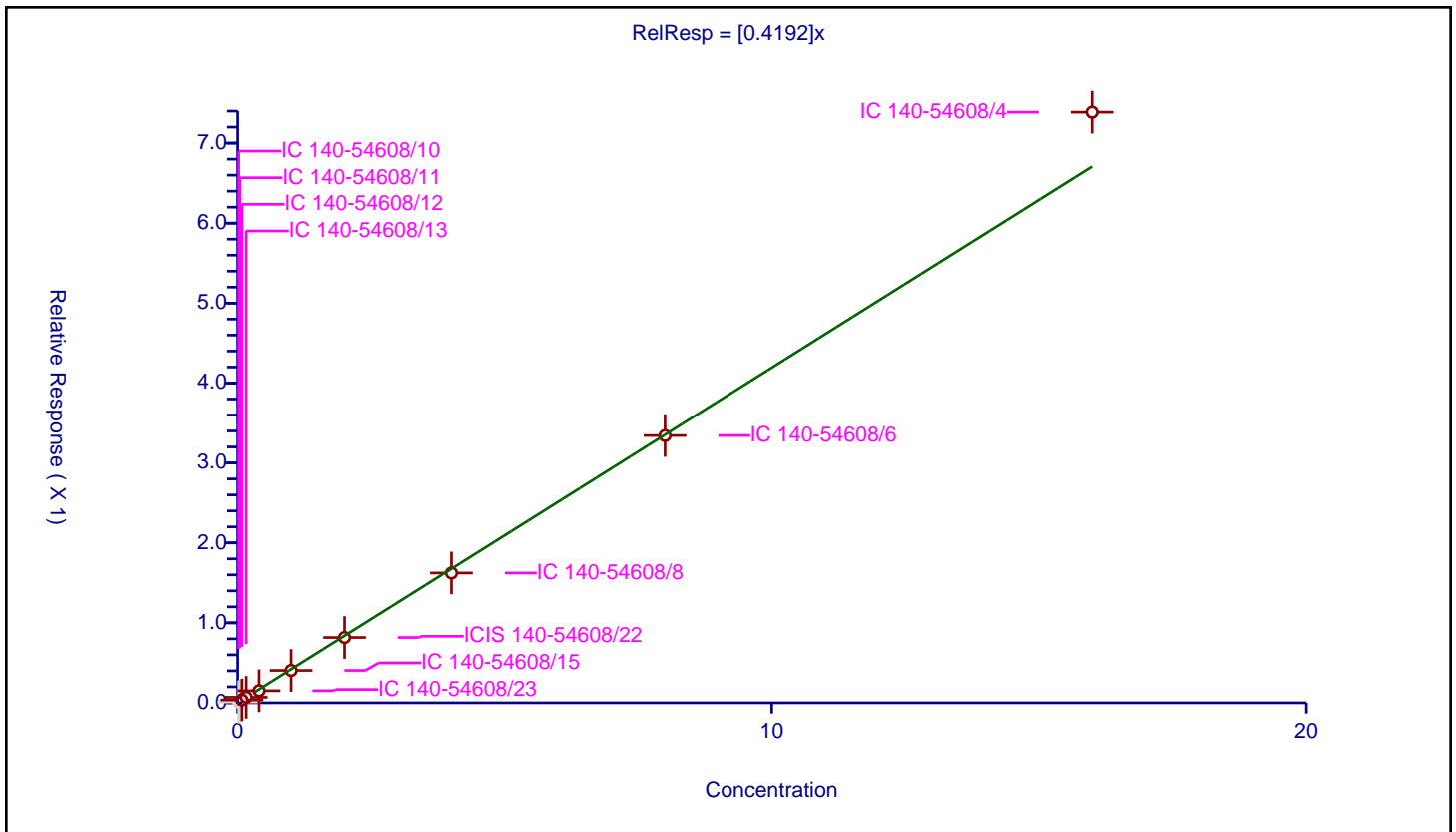
/ Dibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4192

Error Coefficients	
Standard Error:	904000
Relative Standard Error:	6.4
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.009955	4.8	1858672.0	0.497775	N
2	IC 140-54608/11	0.04	0.020332	4.8	1550355.0	0.508296	N
3	IC 140-54608/12	0.08	0.035777	4.8	1518614.0	0.44721	Y
4	IC 140-54608/13	0.16	0.068975	4.8	1446444.0	0.431092	Y
5	IC 140-54608/23	0.4	0.150845	4.8	1652448.0	0.377113	Y
6	IC 140-54608/15	1.0	0.404351	4.8	1437799.0	0.404351	Y
7	ICIS 140-54608/22	2.0	0.816649	4.8	1539788.0	0.408324	Y
8	IC 140-54608/8	4.0	1.62363	4.8	1742215.0	0.405907	Y
9	IC 140-54608/6	8.0	3.343011	4.8	1753861.0	0.417876	Y
10	IC 140-54608/4	16.0	7.386507	4.8	1264821.0	0.461657	Y



Calibration

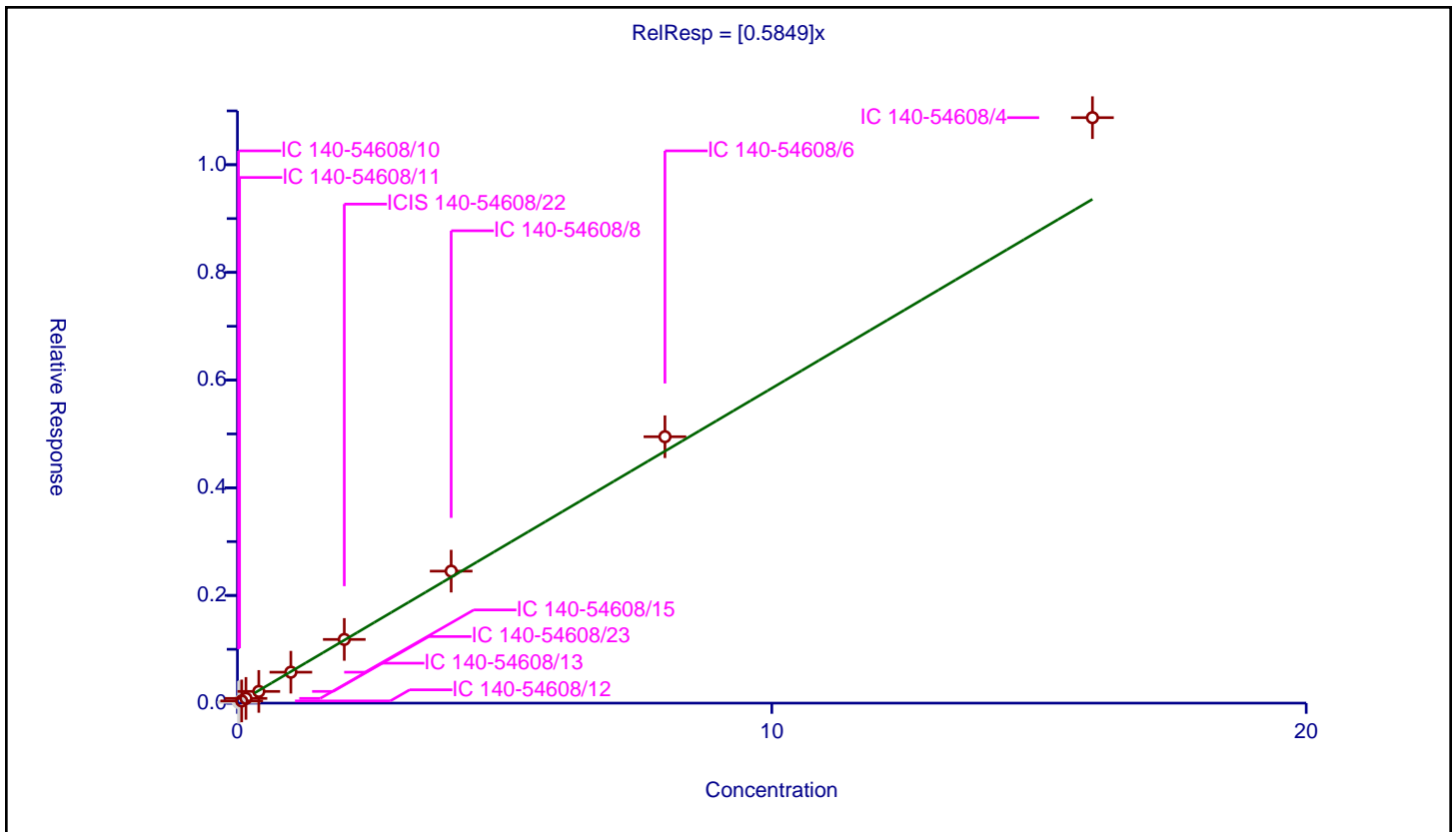
/ Dichlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5849

Error Coefficients	
Standard Error:	1330000
Relative Standard Error:	9.0
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.01346	4.8	1858672.0	0.672997	N
2	IC 140-54608/11	0.04	0.029766	4.8	1550355.0	0.744139	N
3	IC 140-54608/12	0.08	0.040916	4.8	1518614.0	0.511453	Y
4	IC 140-54608/13	0.16	0.087558	4.8	1446444.0	0.547239	Y
5	IC 140-54608/23	0.4	0.217411	4.8	1652448.0	0.543528	Y
6	IC 140-54608/15	1.0	0.574652	4.8	1437799.0	0.574652	Y
7	ICIS 140-54608/22	2.0	1.18317	4.8	1539788.0	0.591585	Y
8	IC 140-54608/8	4.0	2.451381	4.8	1742215.0	0.612845	Y
9	IC 140-54608/6	8.0	4.948196	4.8	1753861.0	0.618525	Y
10	IC 140-54608/4	16.0	10.874544	4.8	1264821.0	0.679659	Y



Calibration

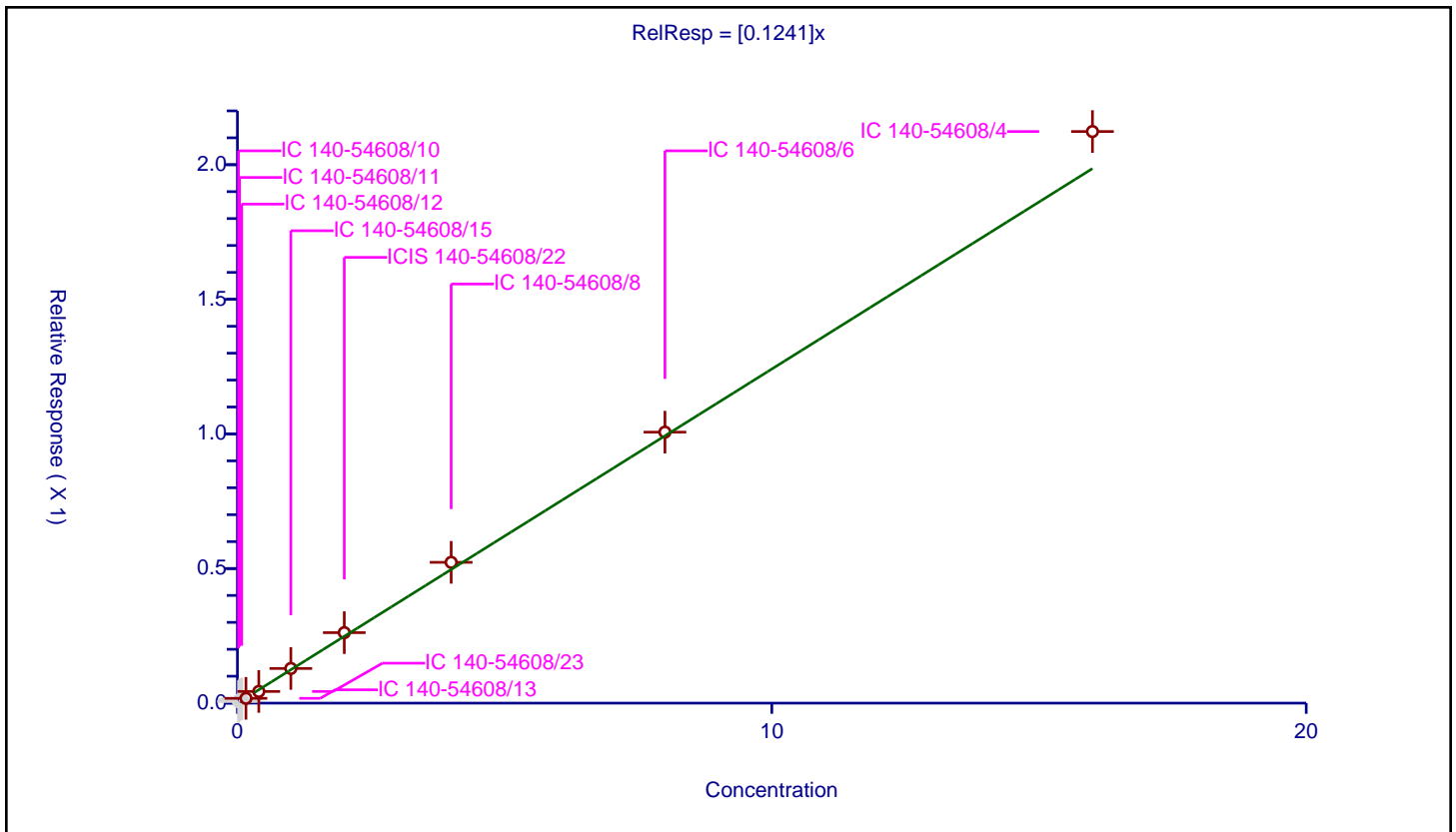
/ 1,4-Dioxane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1241

Error Coefficients	
Standard Error:	287000
Relative Standard Error:	8.0
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.005849	4.8	1858672.0	0.292467	N
2	IC 140-54608/11	0.04	0.012214	4.8	1550355.0	0.305349	N
3	IC 140-54608/12	0.08	0.015308	4.8	1518614.0	0.191346	N
4	IC 140-54608/13	0.16	0.017814	4.8	1446444.0	0.111335	Y
5	IC 140-54608/23	0.4	0.043374	4.8	1652448.0	0.108435	Y
6	IC 140-54608/15	1.0	0.12879	4.8	1437799.0	0.12879	Y
7	ICIS 140-54608/22	2.0	0.261786	4.8	1539788.0	0.130893	Y
8	IC 140-54608/8	4.0	0.522992	4.8	1742215.0	0.130748	Y
9	IC 140-54608/6	8.0	1.006665	4.8	1753861.0	0.125833	Y
10	IC 140-54608/4	16.0	2.123278	4.8	1264821.0	0.132705	Y



Calibration

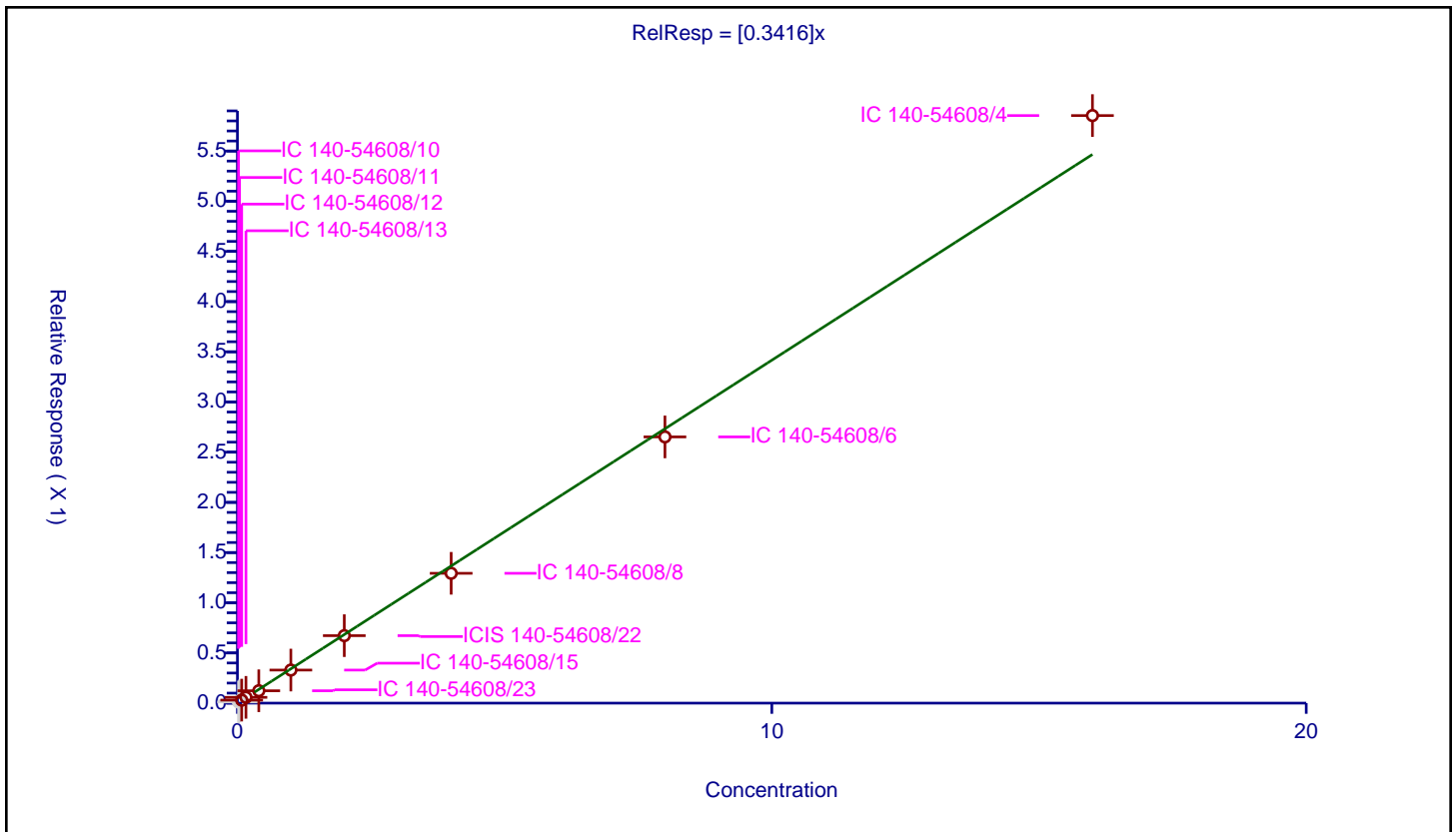
/ Methyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	0.3416

Error Coefficients	
Standard Error:	717000
Relative Standard Error:	7.0
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.011453	4.8	1858672.0	0.572667	N
2	IC 140-54608/11	0.04	0.022456	4.8	1550355.0	0.561394	N
3	IC 140-54608/12	0.08	0.03017	4.8	1518614.0	0.37712	Y
4	IC 140-54608/13	0.16	0.057835	4.8	1446444.0	0.361466	Y
5	IC 140-54608/23	0.4	0.12332	4.8	1652448.0	0.308299	Y
6	IC 140-54608/15	1.0	0.329377	4.8	1437799.0	0.329377	Y
7	ICIS 140-54608/22	2.0	0.672183	4.8	1539788.0	0.336091	Y
8	IC 140-54608/8	4.0	1.293347	4.8	1742215.0	0.323337	Y
9	IC 140-54608/6	8.0	2.652221	4.8	1753861.0	0.331528	Y
10	IC 140-54608/4	16.0	5.853387	4.8	1264821.0	0.365837	Y



Calibration

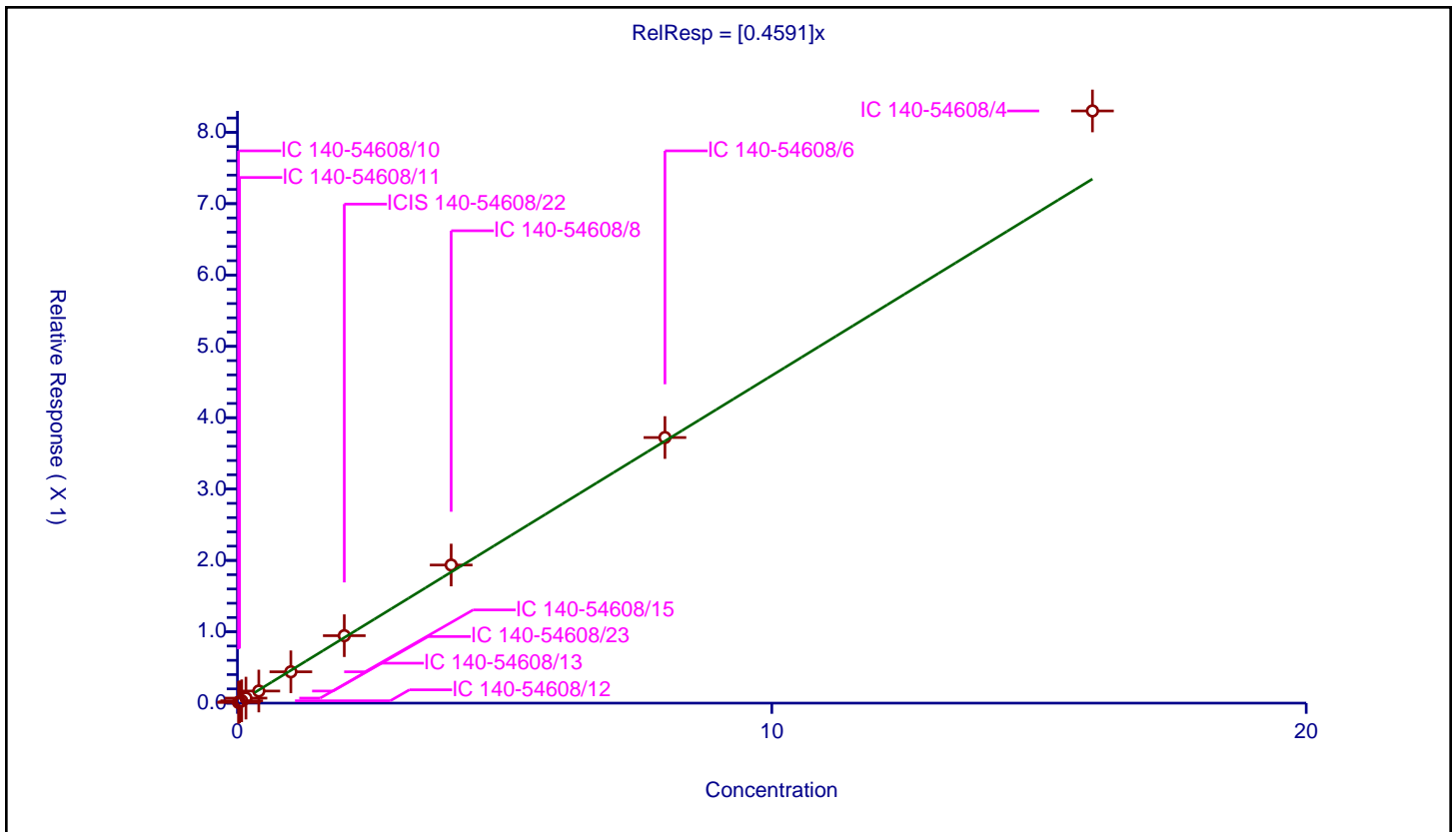
/ Methylcyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4591

Error Coefficients	
Standard Error:	897000
Relative Standard Error:	6.8
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.009362	4.8	1858672.0	0.468076	Y
2	IC 140-54608/11	0.04	0.018685	4.8	1550355.0	0.467119	Y
3	IC 140-54608/12	0.08	0.032961	4.8	1518614.0	0.412007	Y
4	IC 140-54608/13	0.16	0.070481	4.8	1446444.0	0.440508	Y
5	IC 140-54608/23	0.4	0.169482	4.8	1652448.0	0.423706	Y
6	IC 140-54608/15	1.0	0.439044	4.8	1437799.0	0.439044	Y
7	ICIS 140-54608/22	2.0	0.945353	4.8	1539788.0	0.472676	Y
8	IC 140-54608/8	4.0	1.935464	4.8	1742215.0	0.483866	Y
9	IC 140-54608/6	8.0	3.722336	4.8	1753861.0	0.465292	Y
10	IC 140-54608/4	16.0	8.299156	4.8	1264821.0	0.518697	Y



Calibration

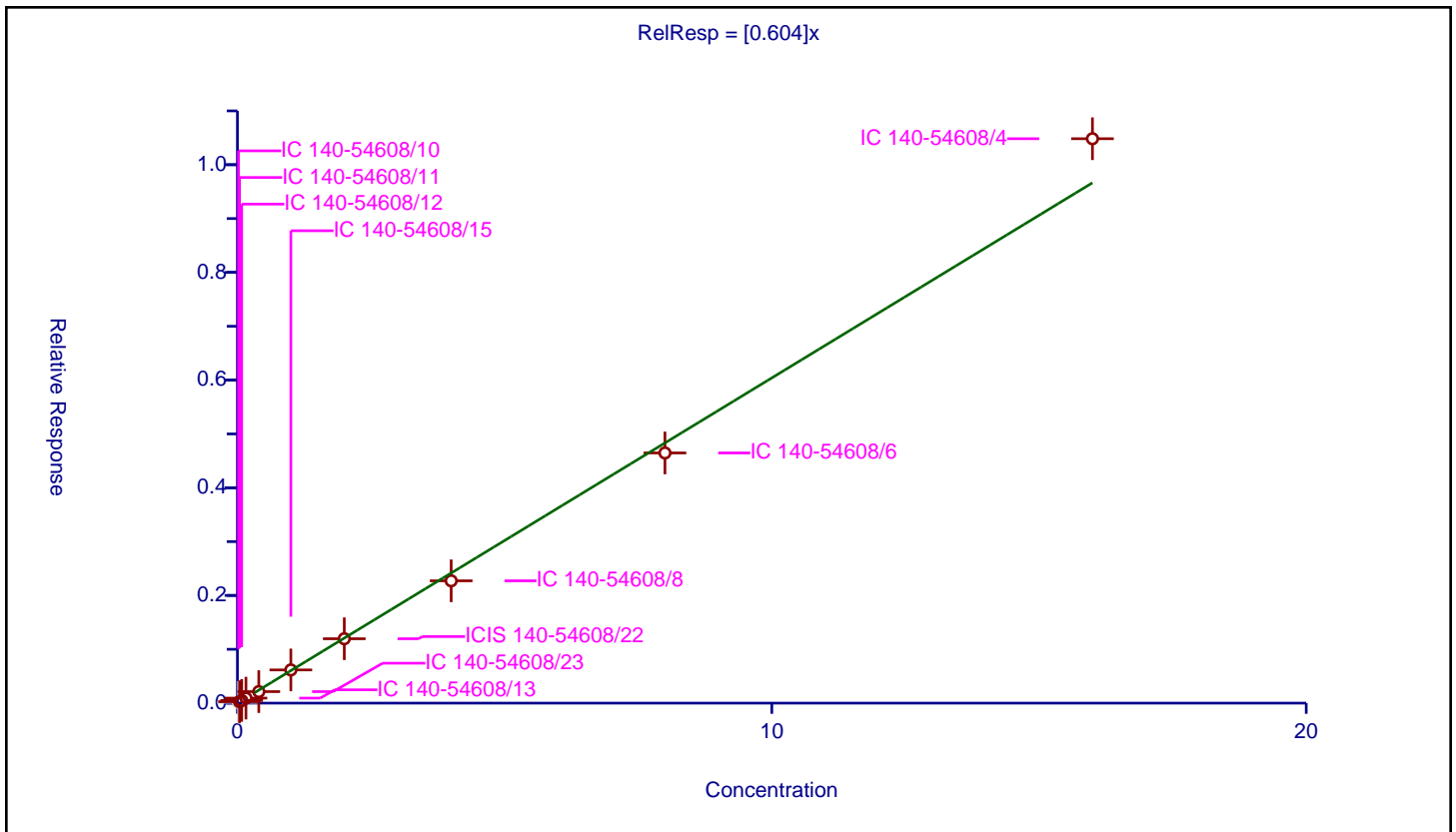
/ 4-Methyl-2-pentanone (MIBK)

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

Curve Coefficients	
Intercept:	0
Slope:	0.604

Error Coefficients	
Standard Error:	1190000
Relative Standard Error:	7.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.015637	4.8	1858672.0	0.781849	N
2	IC 140-54608/11	0.04	0.02679	4.8	1550355.0	0.669756	Y
3	IC 140-54608/12	0.08	0.050405	4.8	1518614.0	0.630061	Y
4	IC 140-54608/13	0.16	0.093342	4.8	1446444.0	0.583389	Y
5	IC 140-54608/23	0.4	0.213844	4.8	1652448.0	0.53461	Y
6	IC 140-54608/15	1.0	0.616556	4.8	1437799.0	0.616556	Y
7	ICIS 140-54608/22	2.0	1.195969	4.8	1539788.0	0.597985	Y
8	IC 140-54608/8	4.0	2.271676	4.8	1742215.0	0.567919	Y
9	IC 140-54608/6	8.0	4.64682	4.8	1753861.0	0.580853	Y
10	IC 140-54608/4	16.0	10.482957	4.8	1264821.0	0.655185	Y



Calibration

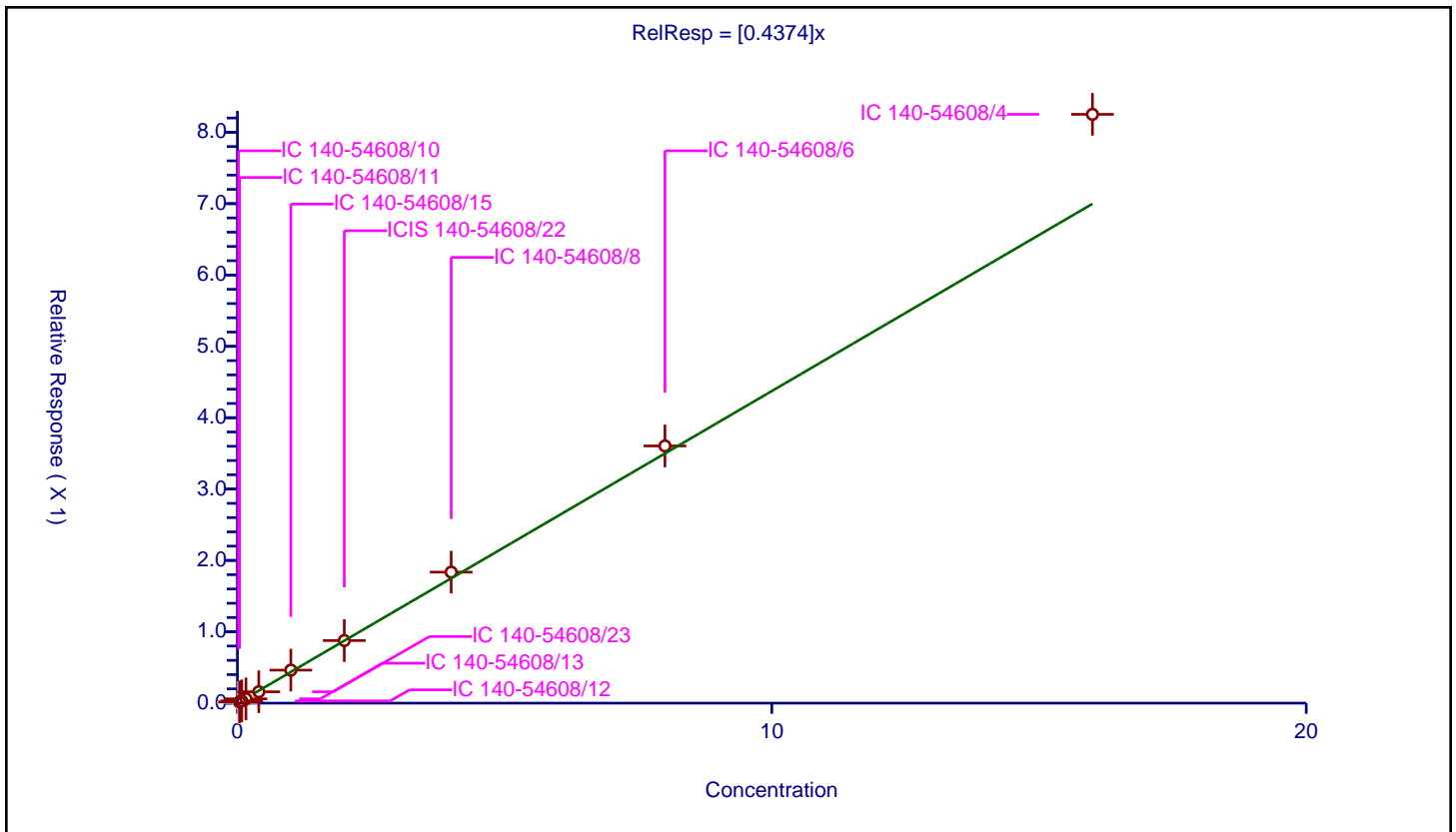
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4374

Error Coefficients	
Standard Error:	936000
Relative Standard Error:	9.8
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.01003	4.8	1858672.0	0.501519	N
2	IC 140-54608/11	0.04	0.017685	4.8	1550355.0	0.442118	Y
3	IC 140-54608/12	0.08	0.031582	4.8	1518614.0	0.394781	Y
4	IC 140-54608/13	0.16	0.060098	4.8	1446444.0	0.375611	Y
5	IC 140-54608/23	0.4	0.159019	4.8	1652448.0	0.397548	Y
6	IC 140-54608/15	1.0	0.462537	4.8	1437799.0	0.462537	Y
7	ICIS 140-54608/22	2.0	0.876934	4.8	1539788.0	0.438467	Y
8	IC 140-54608/8	4.0	1.83579	4.8	1742215.0	0.458947	Y
9	IC 140-54608/6	8.0	3.60453	4.8	1753861.0	0.450566	Y
10	IC 140-54608/4	16.0	8.251294	4.8	1264821.0	0.515706	Y



Calibration

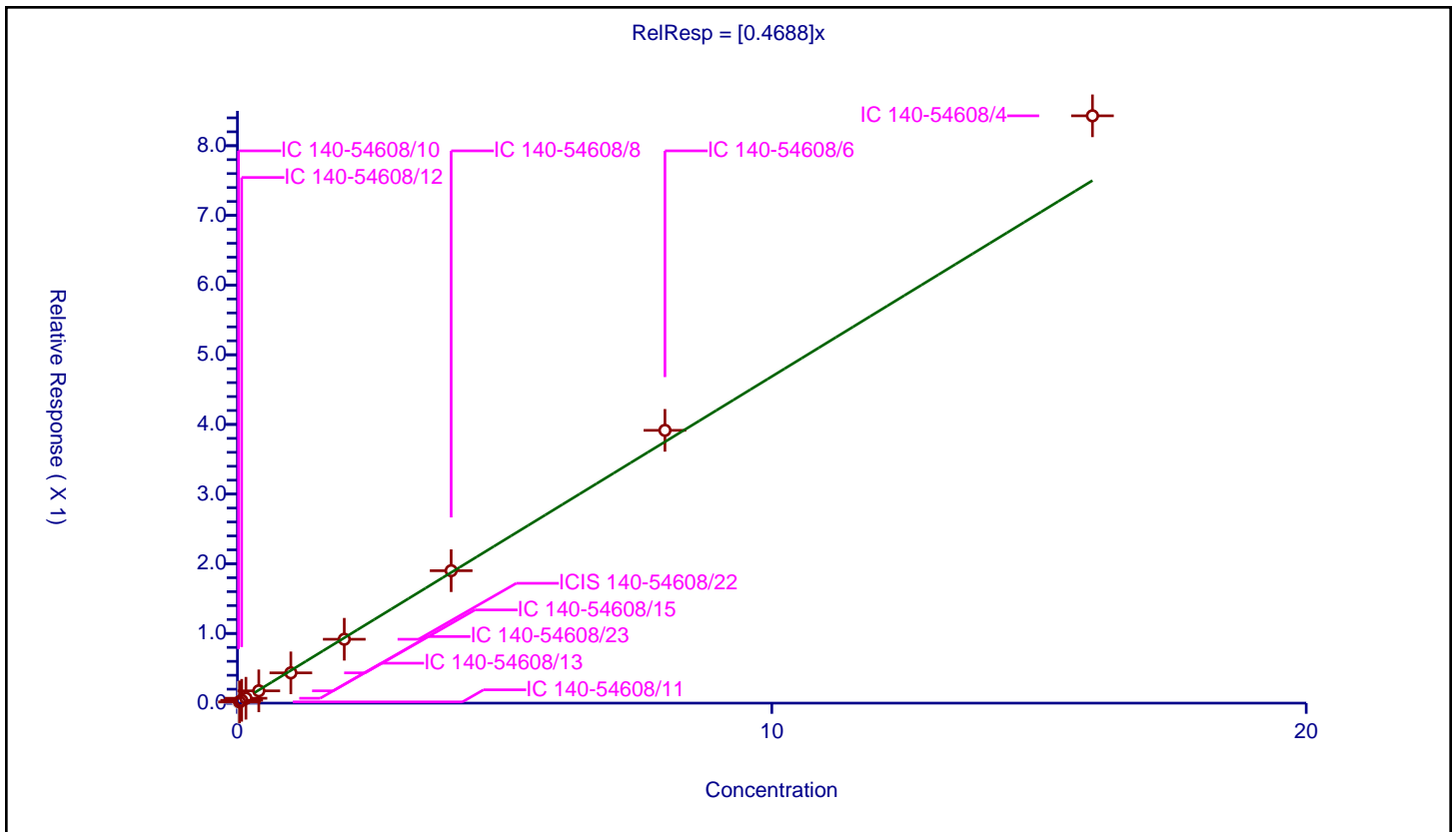
/ trans-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4688

Error Coefficients	
Standard Error:	843000
Relative Standard Error:	7.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.01167	4.8	1400957.0	0.583487	N
2	IC 140-54608/11	0.04	0.017831	4.8	1271956.0	0.44577	Y
3	IC 140-54608/12	0.08	0.040771	4.8	1182247.0	0.50964	Y
4	IC 140-54608/13	0.16	0.070074	4.8	1146194.0	0.437963	Y
5	IC 140-54608/23	0.4	0.176546	4.8	1307298.0	0.441365	Y
6	IC 140-54608/15	1.0	0.434517	4.8	1200462.0	0.434517	Y
7	ICIS 140-54608/22	2.0	0.916741	4.8	1305409.0	0.45837	Y
8	IC 140-54608/8	4.0	1.900871	4.8	1457627.0	0.475218	Y
9	IC 140-54608/6	8.0	3.915048	4.8	1441119.0	0.489381	Y
10	IC 140-54608/4	16.0	8.429393	4.8	1124520.0	0.526837	Y



Calibration

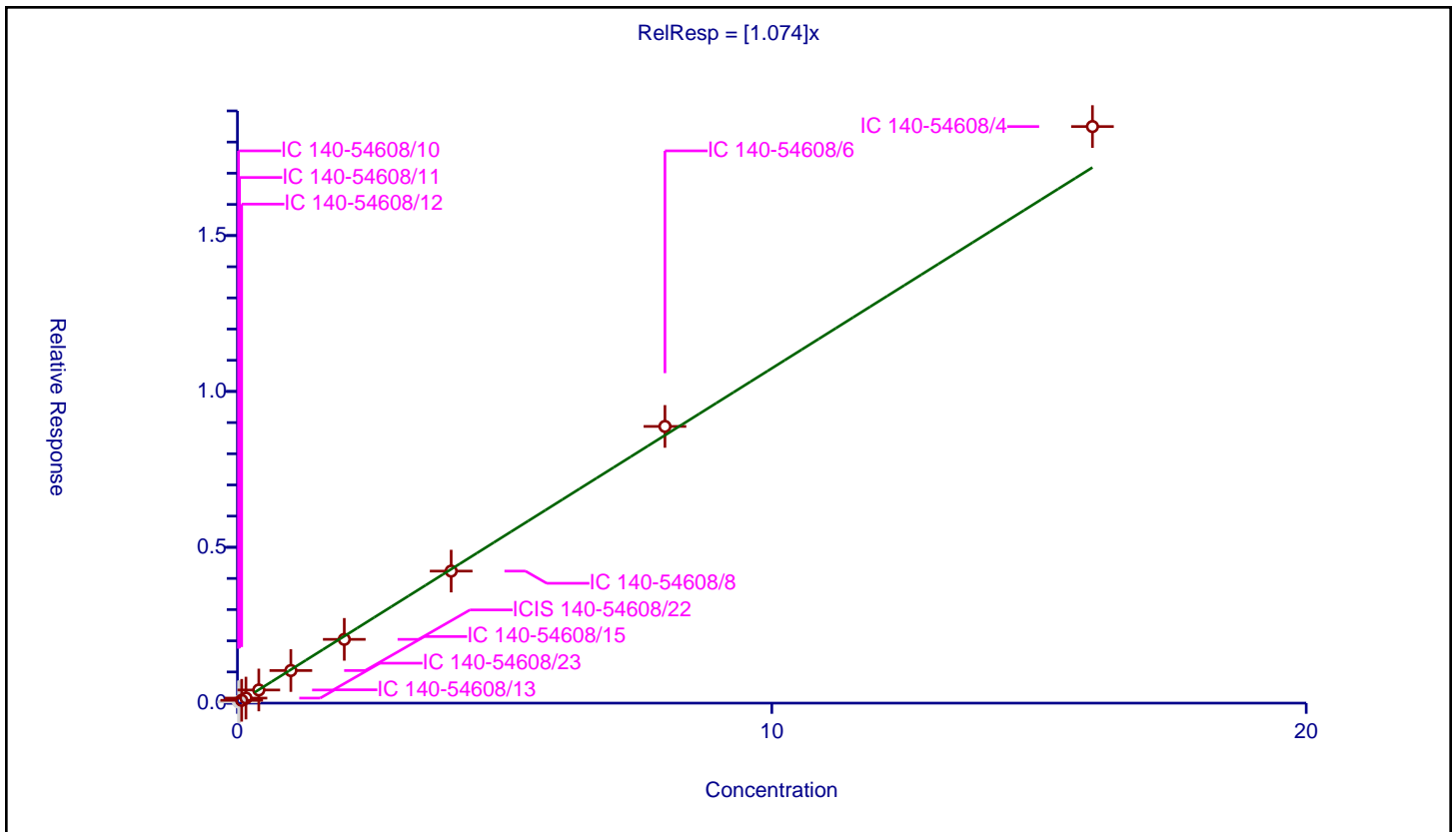
/ Toluene

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

Curve Coefficients	
Intercept:	0
Slope:	1.074

Error Coefficients	
Standard Error:	2000000
Relative Standard Error:	4.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.038891	4.8	1400957.0	1.944556	N
2	IC 140-54608/11	0.04	0.051983	4.8	1271956.0	1.299573	N
3	IC 140-54608/12	0.08	0.090604	4.8	1182247.0	1.132555	Y
4	IC 140-54608/13	0.16	0.162167	4.8	1146194.0	1.013546	Y
5	IC 140-54608/23	0.4	0.421423	4.8	1307298.0	1.053556	Y
6	IC 140-54608/15	1.0	1.045186	4.8	1200462.0	1.045186	Y
7	ICIS 140-54608/22	2.0	2.046244	4.8	1305409.0	1.023122	Y
8	IC 140-54608/8	4.0	4.235991	4.8	1457627.0	1.058998	Y
9	IC 140-54608/6	8.0	8.877135	4.8	1441119.0	1.109642	Y
10	IC 140-54608/4	16.0	18.497539	4.8	1124520.0	1.156096	Y



Calibration

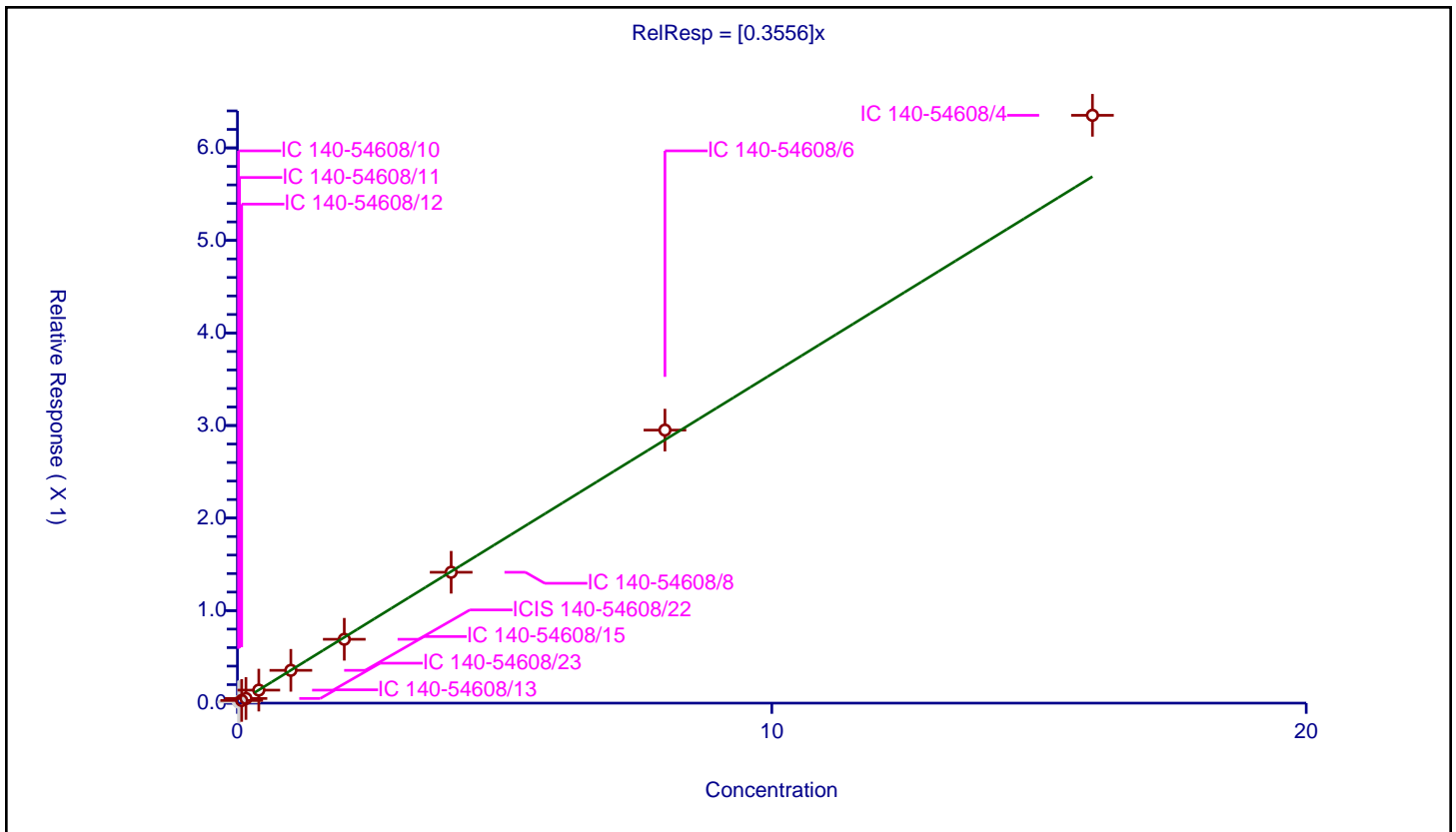
/ 1,1,2-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3556

Error Coefficients	
Standard Error:	679000
Relative Standard Error:	6.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.012355	4.8	1400957.0	0.617749	N
2	IC 140-54608/11	0.04	0.018533	4.8	1271956.0	0.463318	N
3	IC 140-54608/12	0.08	0.028948	4.8	1182247.0	0.361853	Y
4	IC 140-54608/13	0.16	0.05009	4.8	1146194.0	0.313062	Y
5	IC 140-54608/23	0.4	0.140571	4.8	1307298.0	0.351427	Y
6	IC 140-54608/15	1.0	0.354464	4.8	1200462.0	0.354464	Y
7	ICIS 140-54608/22	2.0	0.689899	4.8	1305409.0	0.344949	Y
8	IC 140-54608/8	4.0	1.414252	4.8	1457627.0	0.353563	Y
9	IC 140-54608/6	8.0	2.950557	4.8	1441119.0	0.36882	Y
10	IC 140-54608/4	16.0	6.352086	4.8	1124520.0	0.397005	Y



Calibration

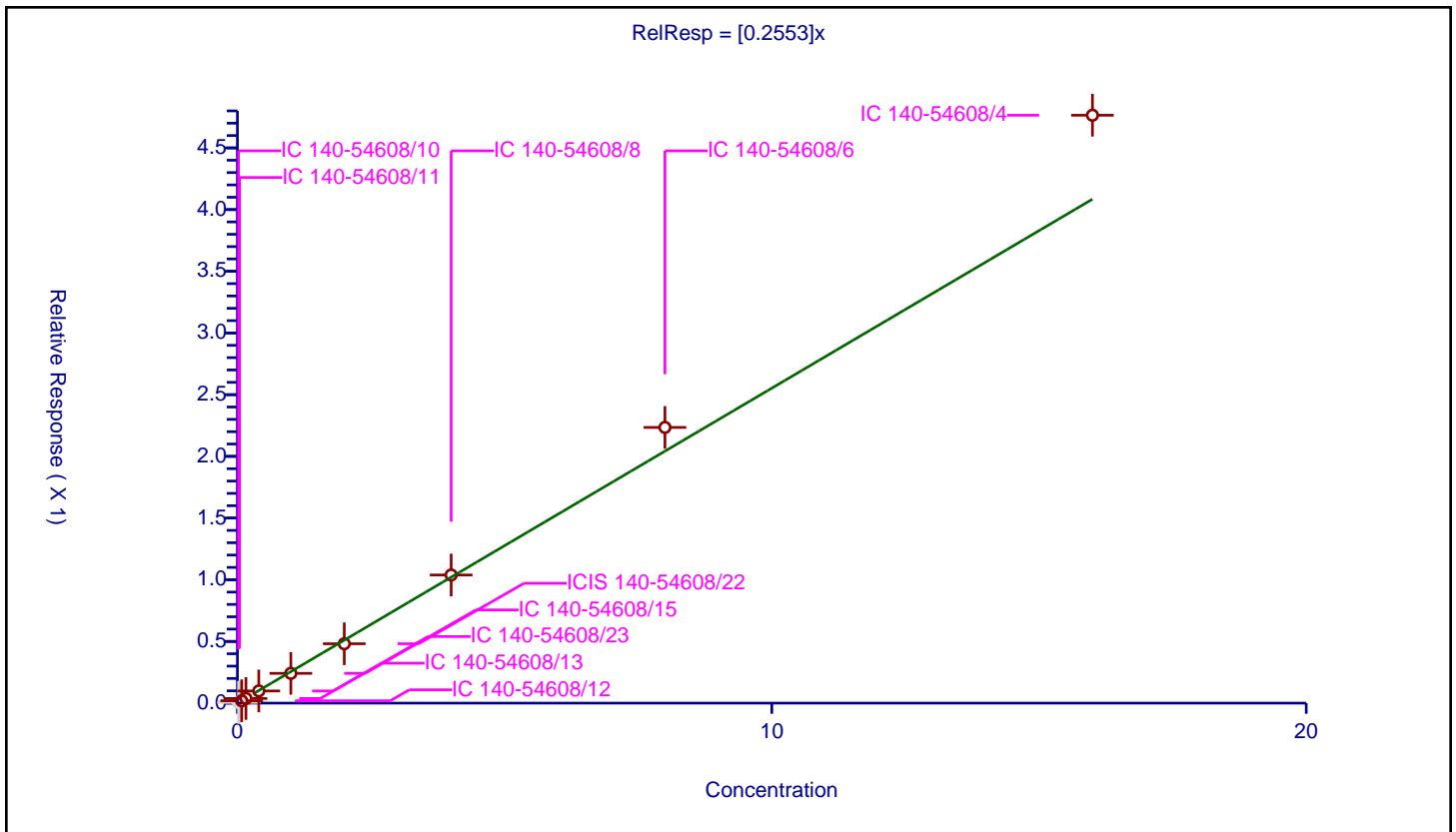
/ 2-Hexanone

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

Curve Coefficients	
Intercept:	0
Slope:	0.2553

Error Coefficients	
Standard Error:	509000
Relative Standard Error:	8.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.005825	4.8	1400957.0	0.291229	N
2	IC 140-54608/11	0.04	0.010325	4.8	1271956.0	0.258122	N
3	IC 140-54608/12	0.08	0.019346	4.8	1182247.0	0.241828	Y
4	IC 140-54608/13	0.16	0.037569	4.8	1146194.0	0.234803	Y
5	IC 140-54608/23	0.4	0.098794	4.8	1307298.0	0.246986	Y
6	IC 140-54608/15	1.0	0.241151	4.8	1200462.0	0.241151	Y
7	ICIS 140-54608/22	2.0	0.481298	4.8	1305409.0	0.240649	Y
8	IC 140-54608/8	4.0	1.038527	4.8	1457627.0	0.259632	Y
9	IC 140-54608/6	8.0	2.23438	4.8	1441119.0	0.279298	Y
10	IC 140-54608/4	16.0	4.764653	4.8	1124520.0	0.297791	Y



Calibration

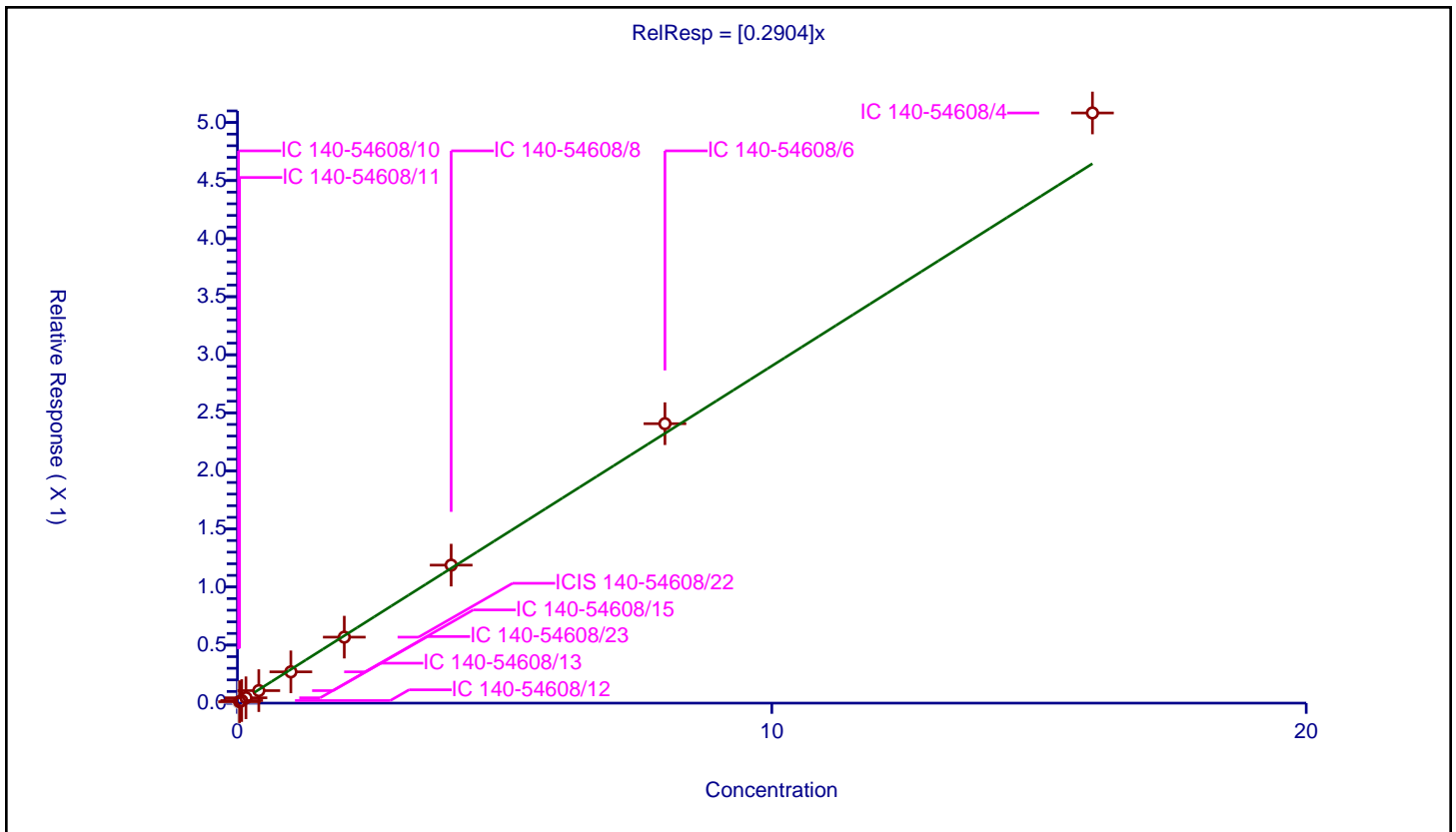
/ n-Octane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2904

Error Coefficients	
Standard Error:	512000
Relative Standard Error:	6.0
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.007061	4.8	1400957.0	0.353073	N
2	IC 140-54608/11	0.04	0.012446	4.8	1271956.0	0.311143	Y
3	IC 140-54608/12	0.08	0.022148	4.8	1182247.0	0.276846	Y
4	IC 140-54608/13	0.16	0.045961	4.8	1146194.0	0.287255	Y
5	IC 140-54608/23	0.4	0.10757	4.8	1307298.0	0.268924	Y
6	IC 140-54608/15	1.0	0.269428	4.8	1200462.0	0.269428	Y
7	ICIS 140-54608/22	2.0	0.568193	4.8	1305409.0	0.284097	Y
8	IC 140-54608/8	4.0	1.18835	4.8	1457627.0	0.297088	Y
9	IC 140-54608/6	8.0	2.406417	4.8	1441119.0	0.300802	Y
10	IC 140-54608/4	16.0	5.082203	4.8	1124520.0	0.317638	Y



Calibration

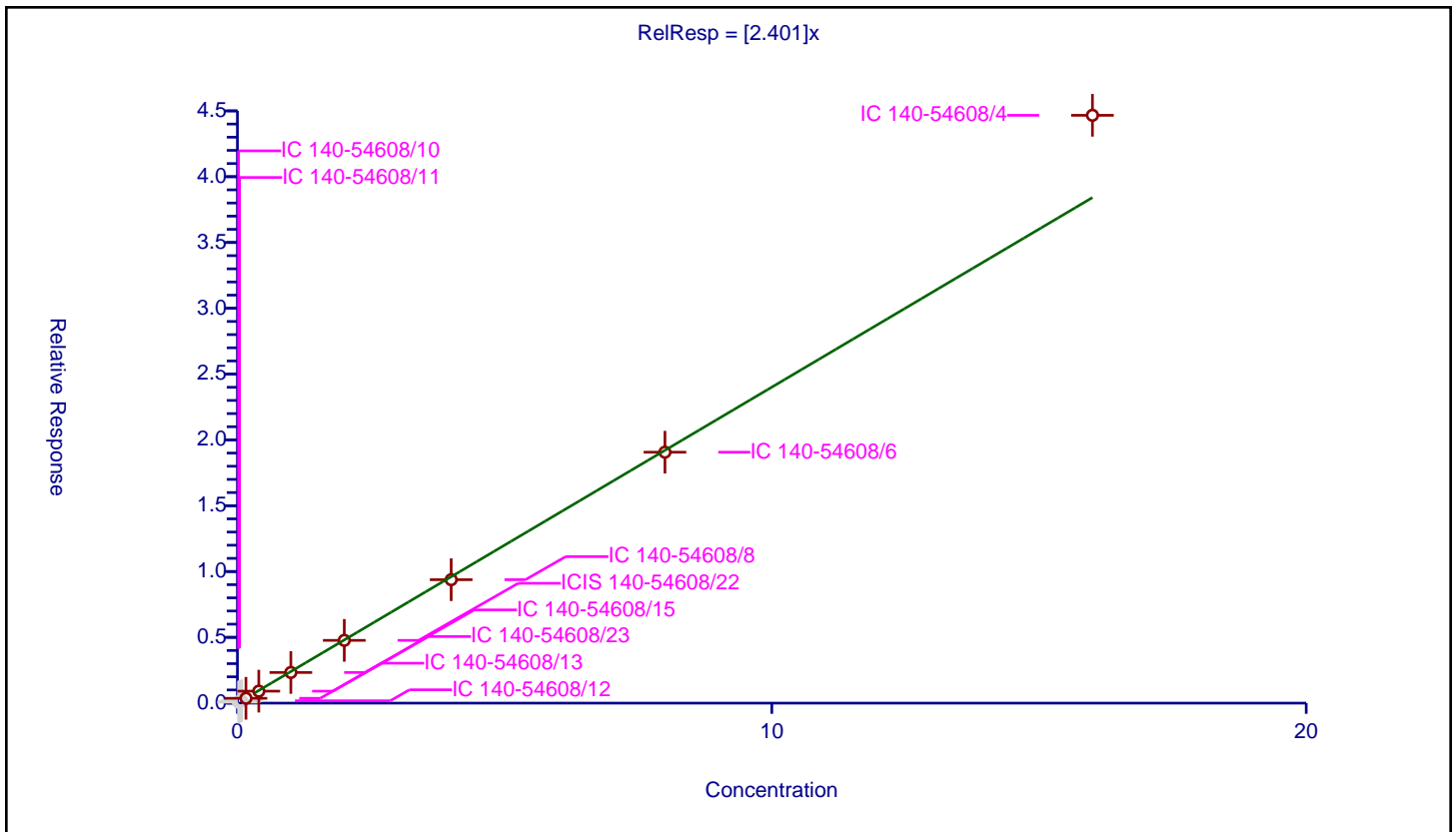
/ C8 Range

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

Curve Coefficients	
Intercept:	0
Slope:	2.401

Error Coefficients	
Standard Error:	5800000
Relative Standard Error:	7.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.072945	4.8	1858672.0	3.647249	N
2	IC 140-54608/11	0.04	0.122697	4.8	1550355.0	3.067426	N
3	IC 140-54608/12	0.08	0.179406	4.8	1518614.0	2.242571	N
4	IC 140-54608/13	0.16	0.367977	4.8	1446444.0	2.299854	Y
5	IC 140-54608/23	0.4	0.909528	4.8	1652448.0	2.273819	Y
6	IC 140-54608/15	1.0	2.32892	4.8	1437799.0	2.32892	Y
7	ICIS 140-54608/22	2.0	4.768521	4.8	1539788.0	2.384261	Y
8	IC 140-54608/8	4.0	9.37785	4.8	1742215.0	2.344462	Y
9	IC 140-54608/6	8.0	19.067125	4.8	1753861.0	2.383391	Y
10	IC 140-54608/4	16.0	44.664689	4.8	1264821.0	2.791543	Y



Calibration

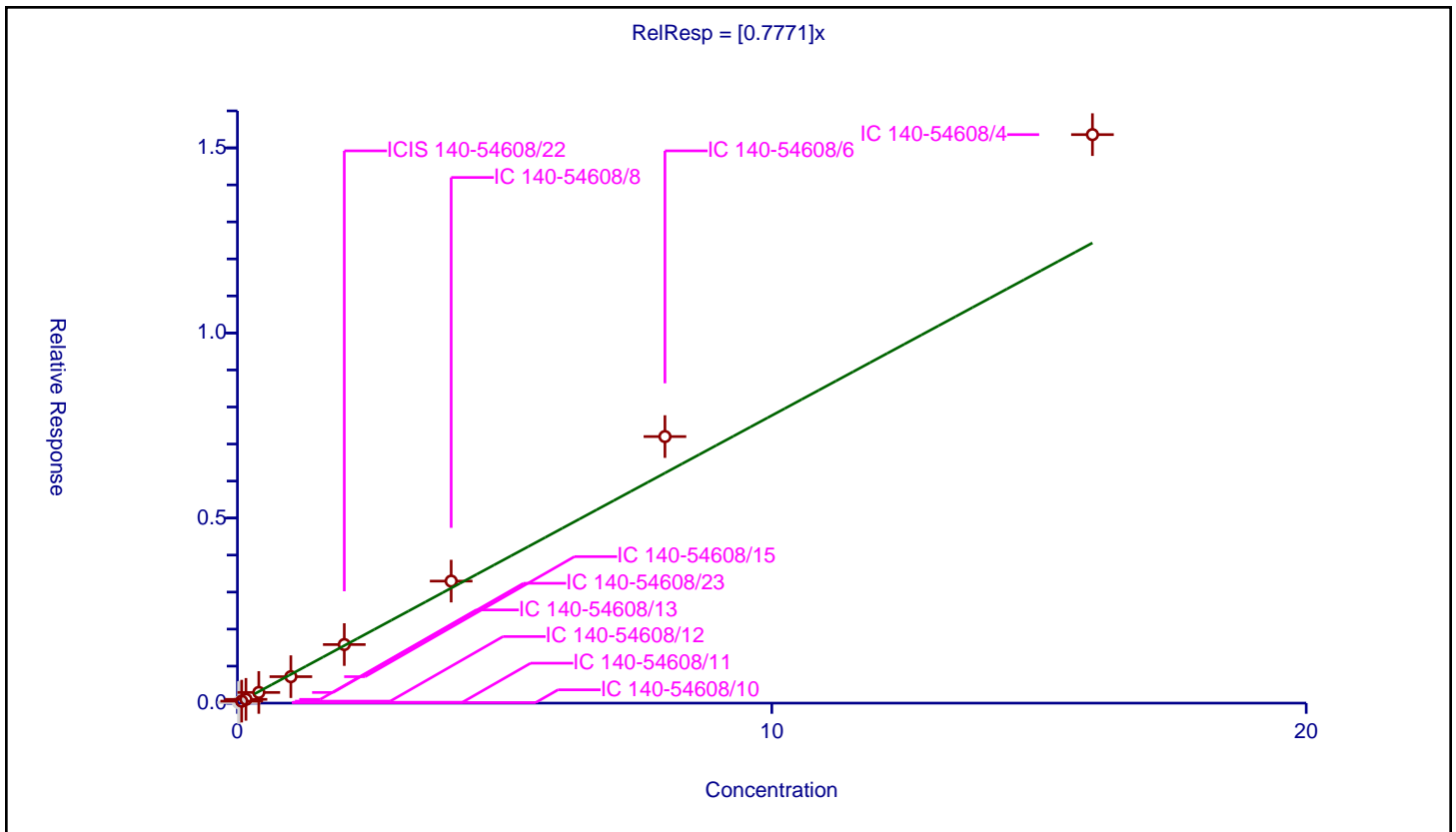
/ Chlorodibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.7771

Error Coefficients	
Standard Error:	1640000
Relative Standard Error:	14.5
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.014815	4.8	1400957.0	0.740751	N
2	IC 140-54608/11	0.04	0.023771	4.8	1271956.0	0.594266	N
3	IC 140-54608/12	0.08	0.053321	4.8	1182247.0	0.66651	Y
4	IC 140-54608/13	0.16	0.102165	4.8	1146194.0	0.638531	Y
5	IC 140-54608/23	0.4	0.288386	4.8	1307298.0	0.720965	Y
6	IC 140-54608/15	1.0	0.714933	4.8	1200462.0	0.714933	Y
7	ICIS 140-54608/22	2.0	1.582562	4.8	1305409.0	0.791281	Y
8	IC 140-54608/8	4.0	3.296567	4.8	1457627.0	0.824142	Y
9	IC 140-54608/6	8.0	7.201444	4.8	1441119.0	0.90018	Y
10	IC 140-54608/4	16.0	15.359027	4.8	1124520.0	0.959939	Y



Calibration

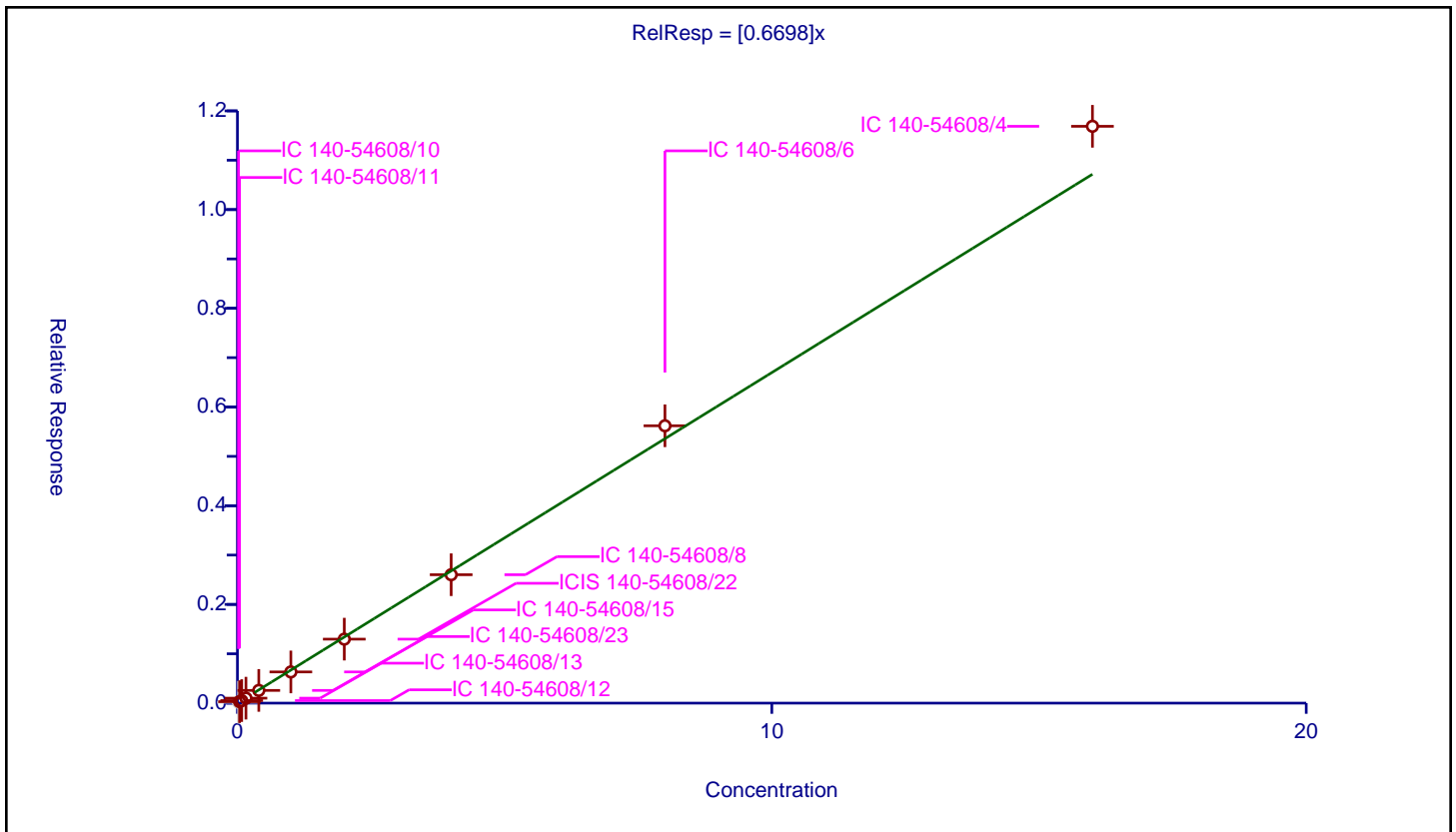
/ Ethylene Dibromide

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

Curve Coefficients	
Intercept:	0
Slope:	0.6698

Error Coefficients	
Standard Error:	1180000
Relative Standard Error:	6.7
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.018697	4.8	1400957.0	0.934847	N
2	IC 140-54608/11	0.04	0.029929	4.8	1271956.0	0.748233	Y
3	IC 140-54608/12	0.08	0.051404	4.8	1182247.0	0.642556	Y
4	IC 140-54608/13	0.16	0.100582	4.8	1146194.0	0.628637	Y
5	IC 140-54608/23	0.4	0.25776	4.8	1307298.0	0.644401	Y
6	IC 140-54608/15	1.0	0.632193	4.8	1200462.0	0.632193	Y
7	ICIS 140-54608/22	2.0	1.296752	4.8	1305409.0	0.648376	Y
8	IC 140-54608/8	4.0	2.602131	4.8	1457627.0	0.650533	Y
9	IC 140-54608/6	8.0	5.619423	4.8	1441119.0	0.702428	Y
10	IC 140-54608/4	16.0	11.687615	4.8	1124520.0	0.730476	Y



Calibration

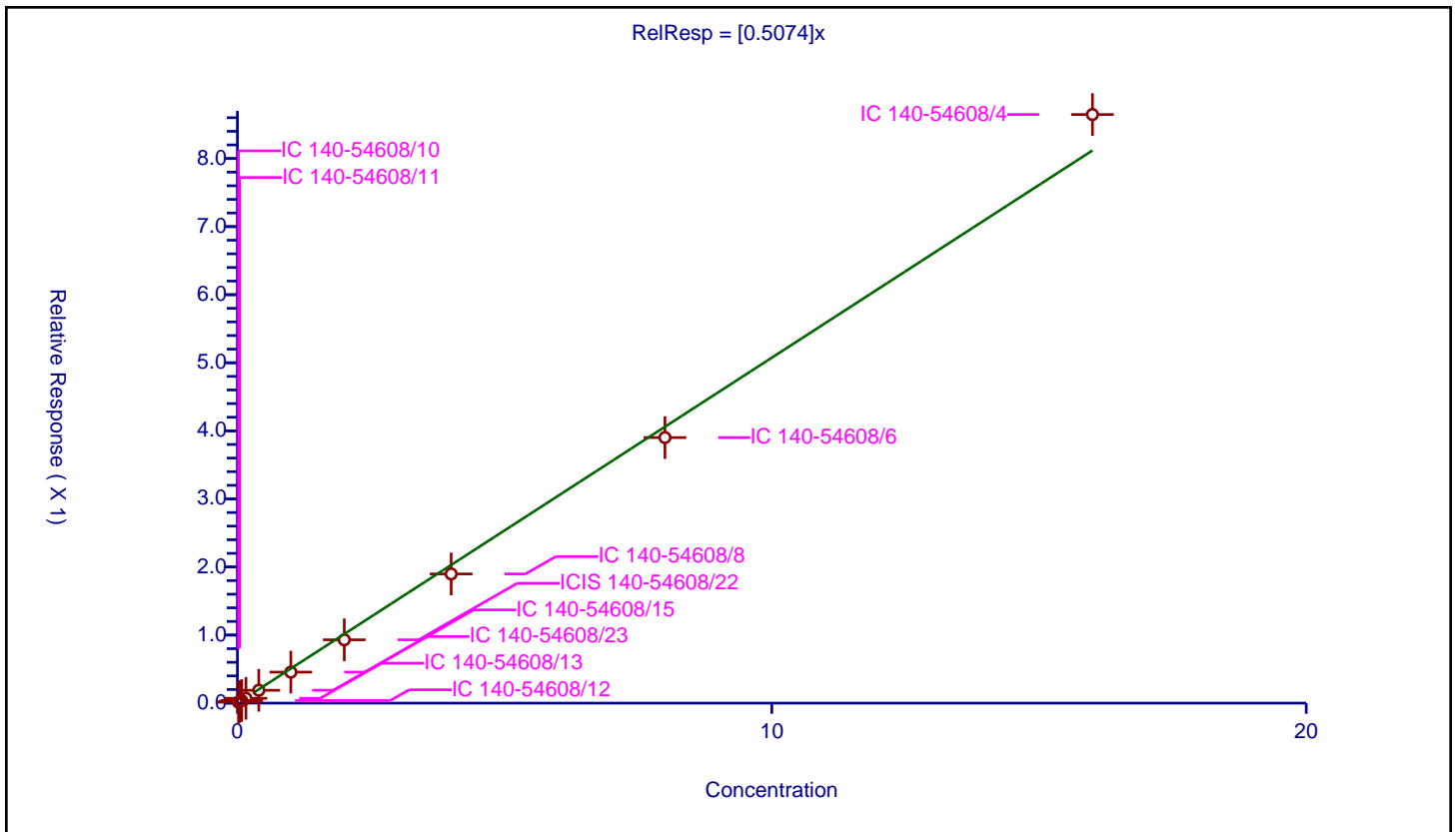
/ Tetrachloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5074

Error Coefficients	
Standard Error:	809000
Relative Standard Error:	14.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.013448	4.8	1400957.0	0.672398	Y
2	IC 140-54608/11	0.04	0.023718	4.8	1271956.0	0.592945	Y
3	IC 140-54608/12	0.08	0.037625	4.8	1182247.0	0.470308	Y
4	IC 140-54608/13	0.16	0.070891	4.8	1146194.0	0.443066	Y
5	IC 140-54608/23	0.4	0.18885	4.8	1307298.0	0.472125	Y
6	IC 140-54608/15	1.0	0.455661	4.8	1200462.0	0.455661	Y
7	ICIS 140-54608/22	2.0	0.930125	4.8	1305409.0	0.465063	Y
8	IC 140-54608/8	4.0	1.897654	4.8	1457627.0	0.474414	Y
9	IC 140-54608/6	8.0	3.901122	4.8	1441119.0	0.48764	Y
10	IC 140-54608/4	16.0	8.64633	4.8	1124520.0	0.540396	Y



Calibration

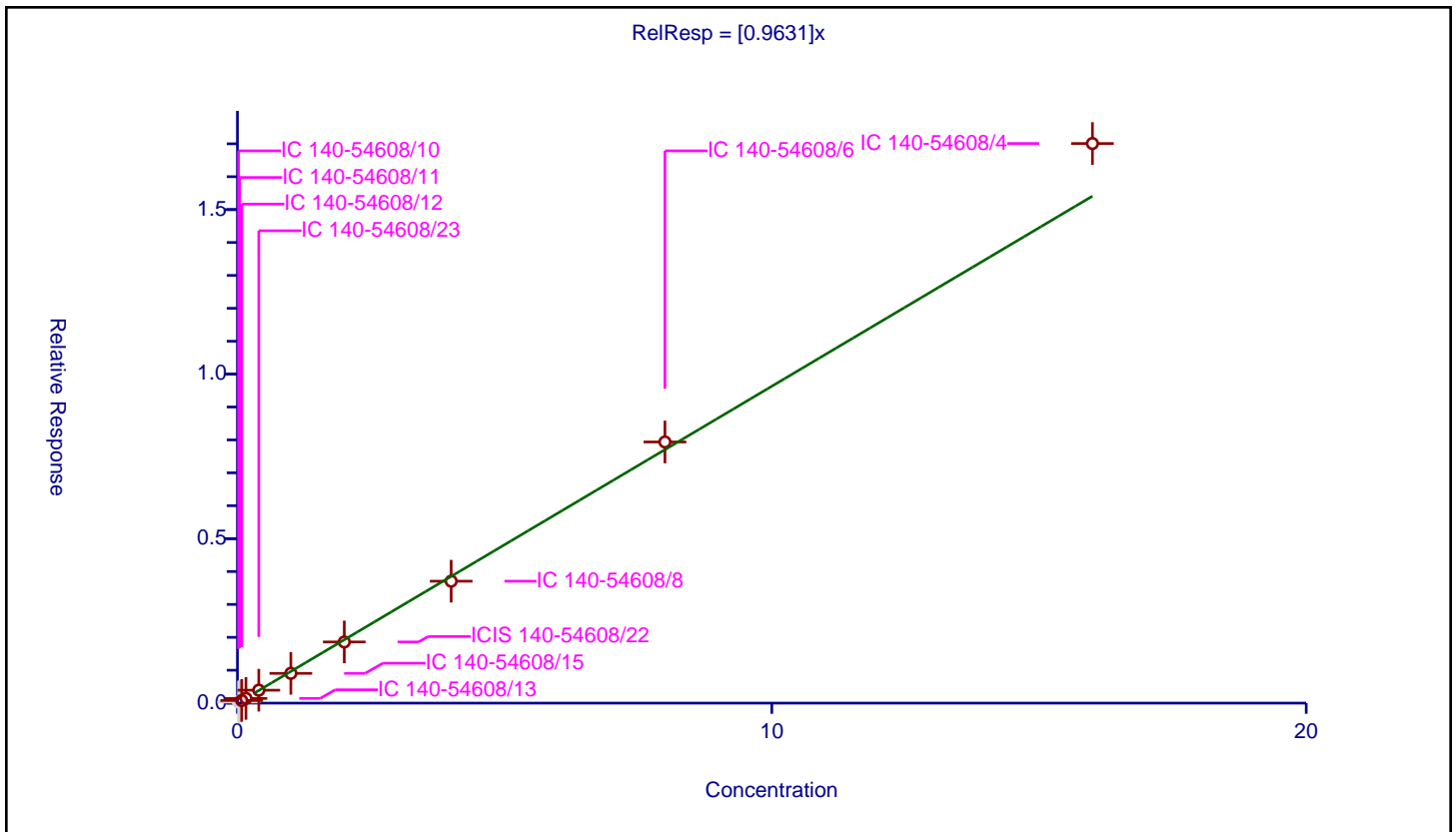
/ Chlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.9631

Error Coefficients	
Standard Error:	1820000
Relative Standard Error:	6.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.032237	4.8	1400957.0	1.61187	N
2	IC 140-54608/11	0.04	0.048888	4.8	1271956.0	1.222212	N
3	IC 140-54608/12	0.08	0.080592	4.8	1182247.0	1.007404	Y
4	IC 140-54608/13	0.16	0.143662	4.8	1146194.0	0.897885	Y
5	IC 140-54608/23	0.4	0.393257	4.8	1307298.0	0.983142	Y
6	IC 140-54608/15	1.0	0.904684	4.8	1200462.0	0.904684	Y
7	ICIS 140-54608/22	2.0	1.859235	4.8	1305409.0	0.929618	Y
8	IC 140-54608/8	4.0	3.706446	4.8	1457627.0	0.926612	Y
9	IC 140-54608/6	8.0	7.937362	4.8	1441119.0	0.99217	Y
10	IC 140-54608/4	16.0	17.008563	4.8	1124520.0	1.063035	Y



Calibration

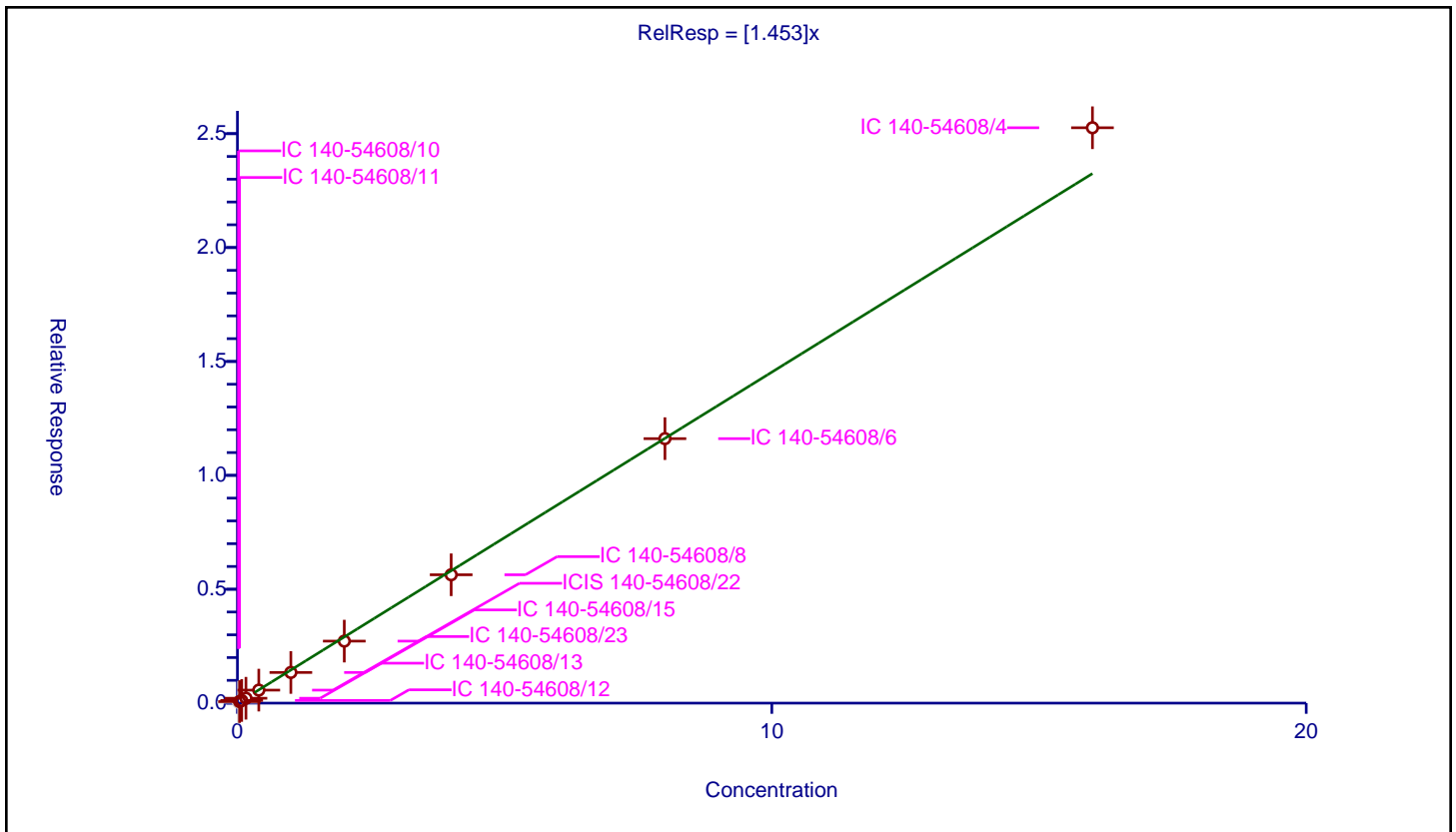
/ Ethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.453

Error Coefficients	
Standard Error:	2520000
Relative Standard Error:	8.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.04056	4.8	1400957.0	2.027985	N
2	IC 140-54608/11	0.04	0.068402	4.8	1271956.0	1.710059	Y
3	IC 140-54608/12	0.08	0.115964	4.8	1182247.0	1.449545	Y
4	IC 140-54608/13	0.16	0.214816	4.8	1146194.0	1.3426	Y
5	IC 140-54608/23	0.4	0.571239	4.8	1307298.0	1.428097	Y
6	IC 140-54608/15	1.0	1.346562	4.8	1200462.0	1.346562	Y
7	ICIS 140-54608/22	2.0	2.723104	4.8	1305409.0	1.361552	Y
8	IC 140-54608/8	4.0	5.635704	4.8	1457627.0	1.408926	Y
9	IC 140-54608/6	8.0	11.61145	4.8	1441119.0	1.451431	Y
10	IC 140-54608/4	16.0	25.259968	4.8	1124520.0	1.578748	Y



Calibration

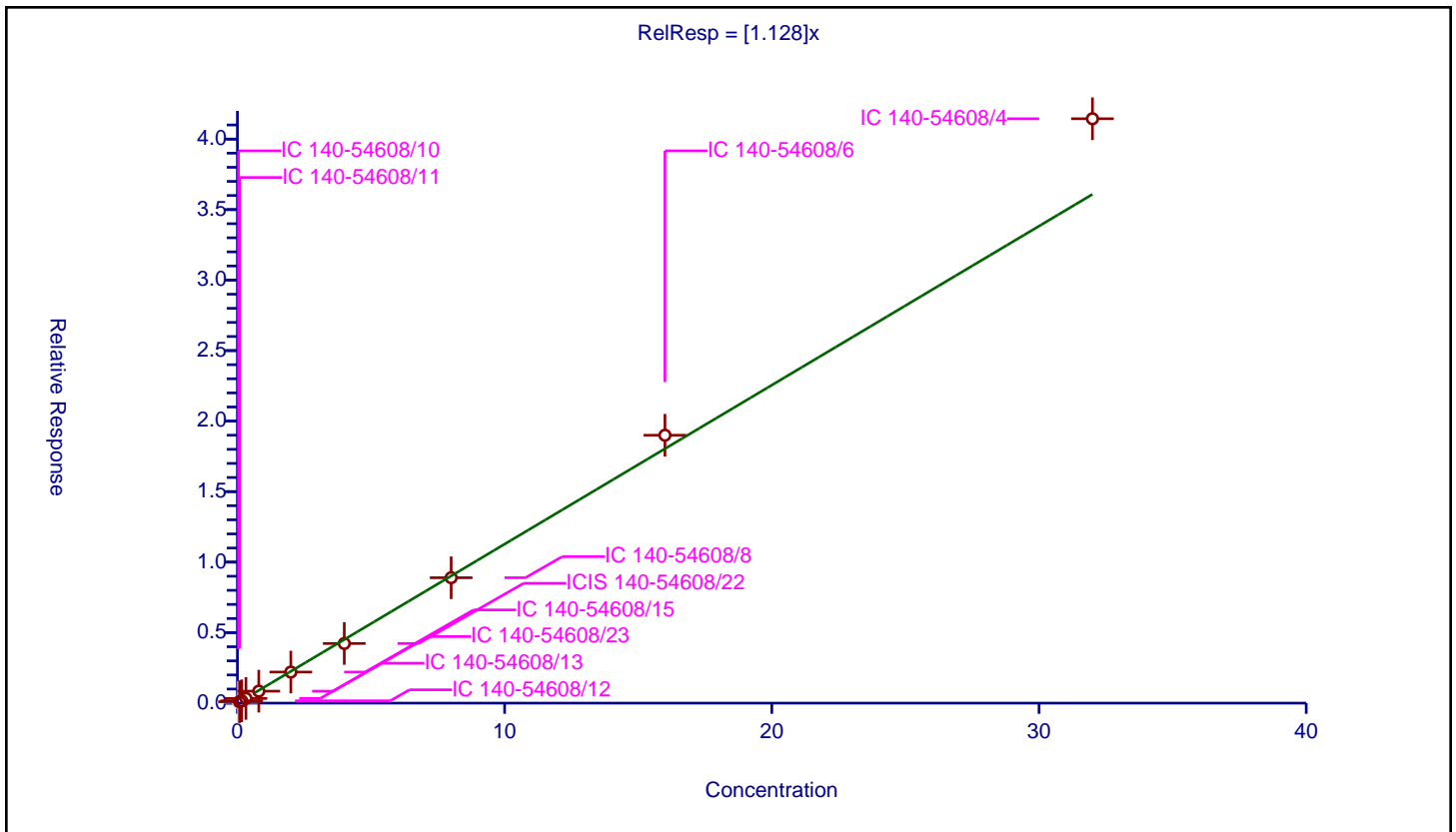
/ m-Xylene & p-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	1.128

Error Coefficients	
Standard Error:	4120000
Relative Standard Error:	8.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.04	0.066034	4.8	1400957.0	1.650843	N
2	IC 140-54608/11	0.08	0.100588	4.8	1271956.0	1.257355	Y
3	IC 140-54608/12	0.16	0.165557	4.8	1182247.0	1.034733	Y
4	IC 140-54608/13	0.32	0.332907	4.8	1146194.0	1.040334	Y
5	IC 140-54608/23	0.8	0.849928	4.8	1307298.0	1.06241	Y
6	IC 140-54608/15	2.0	2.204135	4.8	1200462.0	1.102068	Y
7	ICIS 140-54608/22	4.0	4.229089	4.8	1305409.0	1.057272	Y
8	IC 140-54608/8	8.0	8.892695	4.8	1457627.0	1.111587	Y
9	IC 140-54608/6	16.0	18.999059	4.8	1441119.0	1.187441	Y
10	IC 140-54608/4	32.0	41.443581	4.8	1124520.0	1.295112	Y



Calibration

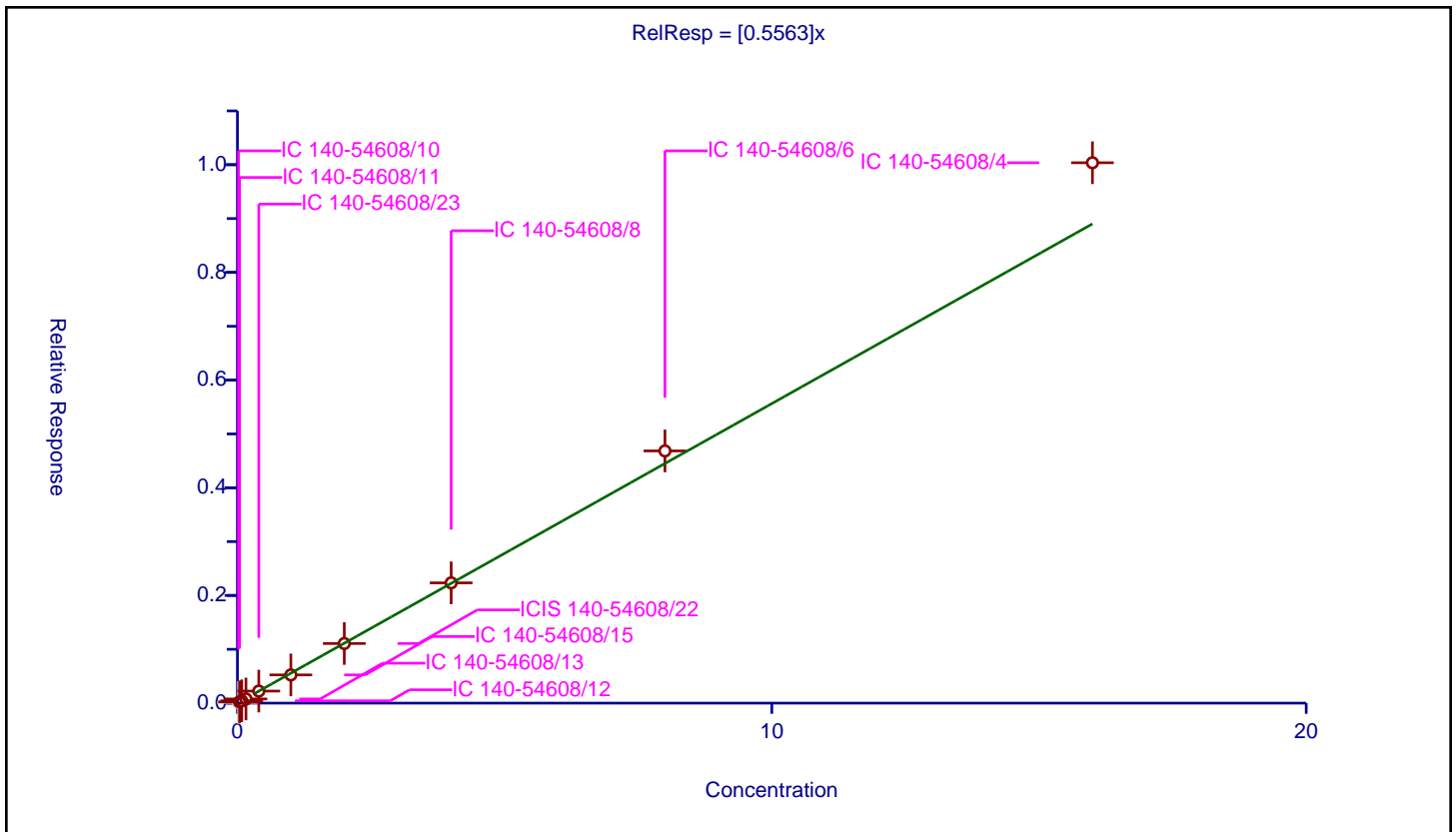
/ n-Nonane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5563

Error Coefficients	
Standard Error:	1000000
Relative Standard Error:	7.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.012516	4.8	1400957.0	0.625801	N
2	IC 140-54608/11	0.04	0.023276	4.8	1271956.0	0.581907	Y
3	IC 140-54608/12	0.08	0.04257	4.8	1182247.0	0.532122	Y
4	IC 140-54608/13	0.16	0.077486	4.8	1146194.0	0.48429	Y
5	IC 140-54608/23	0.4	0.223805	4.8	1307298.0	0.559511	Y
6	IC 140-54608/15	1.0	0.524346	4.8	1200462.0	0.524346	Y
7	ICIS 140-54608/22	2.0	1.107191	4.8	1305409.0	0.553596	Y
8	IC 140-54608/8	4.0	2.233664	4.8	1457627.0	0.558416	Y
9	IC 140-54608/6	8.0	4.68433	4.8	1441119.0	0.585541	Y
10	IC 140-54608/4	16.0	10.036619	4.8	1124520.0	0.627289	Y



Calibration

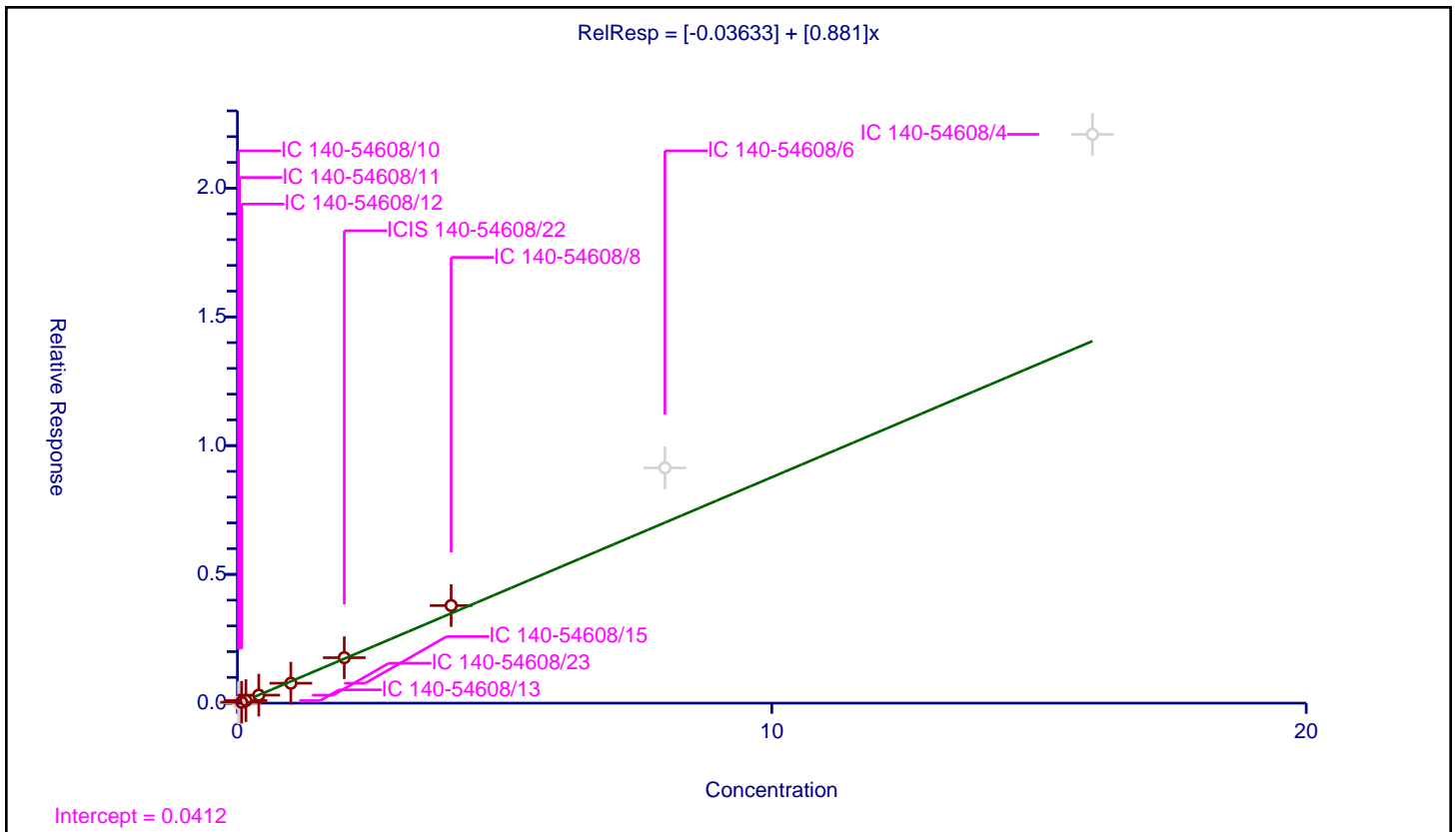
/ Bromoform

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

Curve Coefficients	
Intercept:	-0.03633
Slope:	0.881

Error Coefficients	
Standard Error:	632000
Relative Standard Error:	6.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.01326	4.8	1400957.0	0.662975	N
2	IC 140-54608/11	0.04	0.015163	4.8	1271956.0	0.37907	N
3	IC 140-54608/12	0.08	0.036053	4.8	1182247.0	0.450667	Y
4	IC 140-54608/13	0.16	0.098852	4.8	1146194.0	0.617827	Y
5	IC 140-54608/23	0.4	0.311147	4.8	1307298.0	0.777867	Y
6	IC 140-54608/15	1.0	0.773566	4.8	1200462.0	0.773566	Y
7	ICIS 140-54608/22	2.0	1.765589	4.8	1305409.0	0.882795	Y
8	IC 140-54608/8	4.0	3.789707	4.8	1457627.0	0.947427	Y
9	IC 140-54608/6	8.0	9.135747	4.8	1441119.0	1.141968	N
10	IC 140-54608/4	16.0	22.08919	4.8	1124520.0	1.380574	N



Calibration

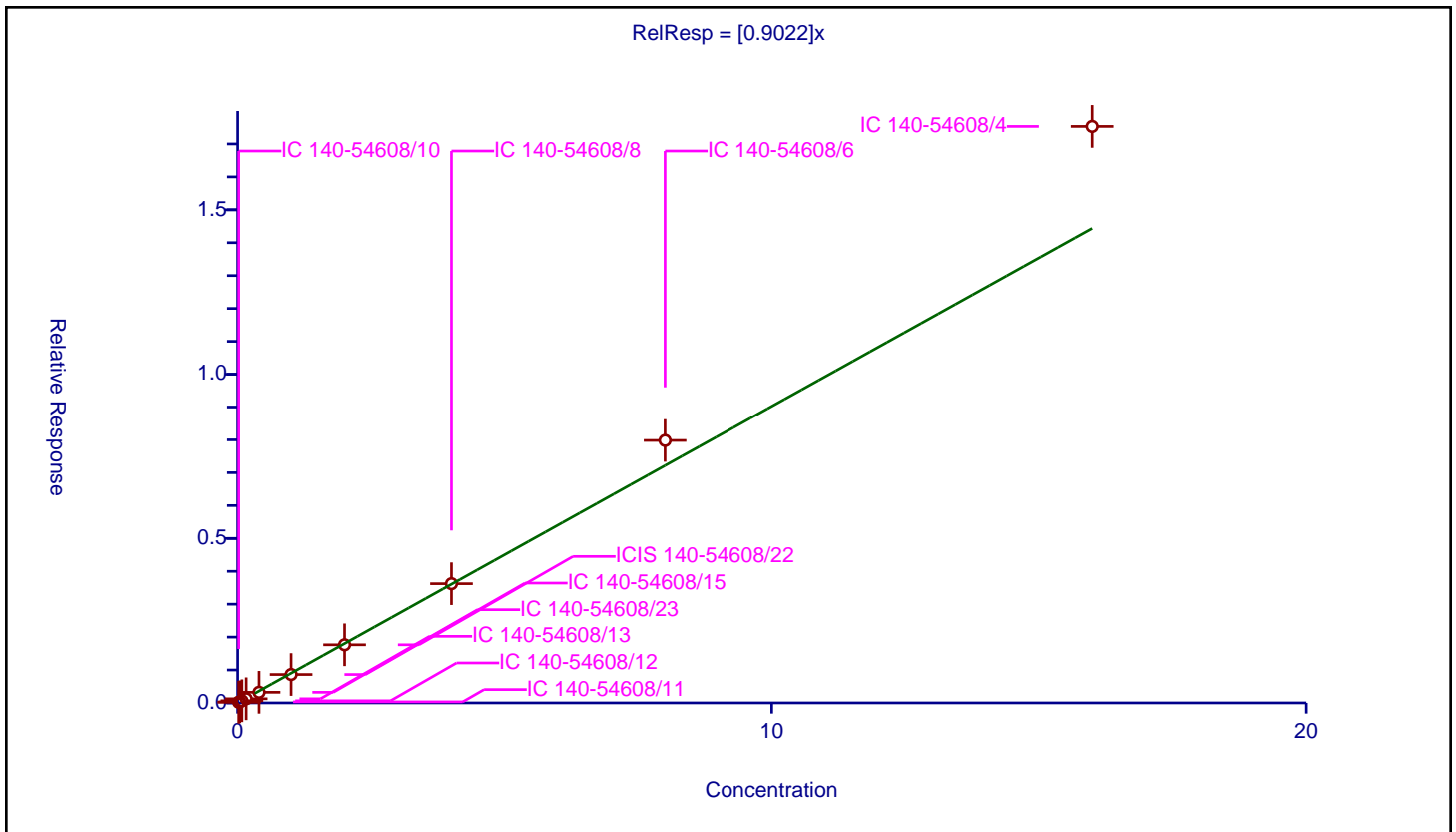
/ Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	0.9022

Error Coefficients	
Standard Error:	1640000
Relative Standard Error:	12.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.020914	4.8	1400957.0	1.045685	Y
2	IC 140-54608/11	0.04	0.033095	4.8	1271956.0	0.827387	Y
3	IC 140-54608/12	0.08	0.064965	4.8	1182247.0	0.812064	Y
4	IC 140-54608/13	0.16	0.125872	4.8	1146194.0	0.786699	Y
5	IC 140-54608/23	0.4	0.322257	4.8	1307298.0	0.805643	Y
6	IC 140-54608/15	1.0	0.862424	4.8	1200462.0	0.862424	Y
7	ICIS 140-54608/22	2.0	1.765494	4.8	1305409.0	0.882747	Y
8	IC 140-54608/8	4.0	3.623396	4.8	1457627.0	0.905849	Y
9	IC 140-54608/6	8.0	7.981474	4.8	1441119.0	0.997684	Y
10	IC 140-54608/4	16.0	17.533151	4.8	1124520.0	1.095822	Y



Calibration

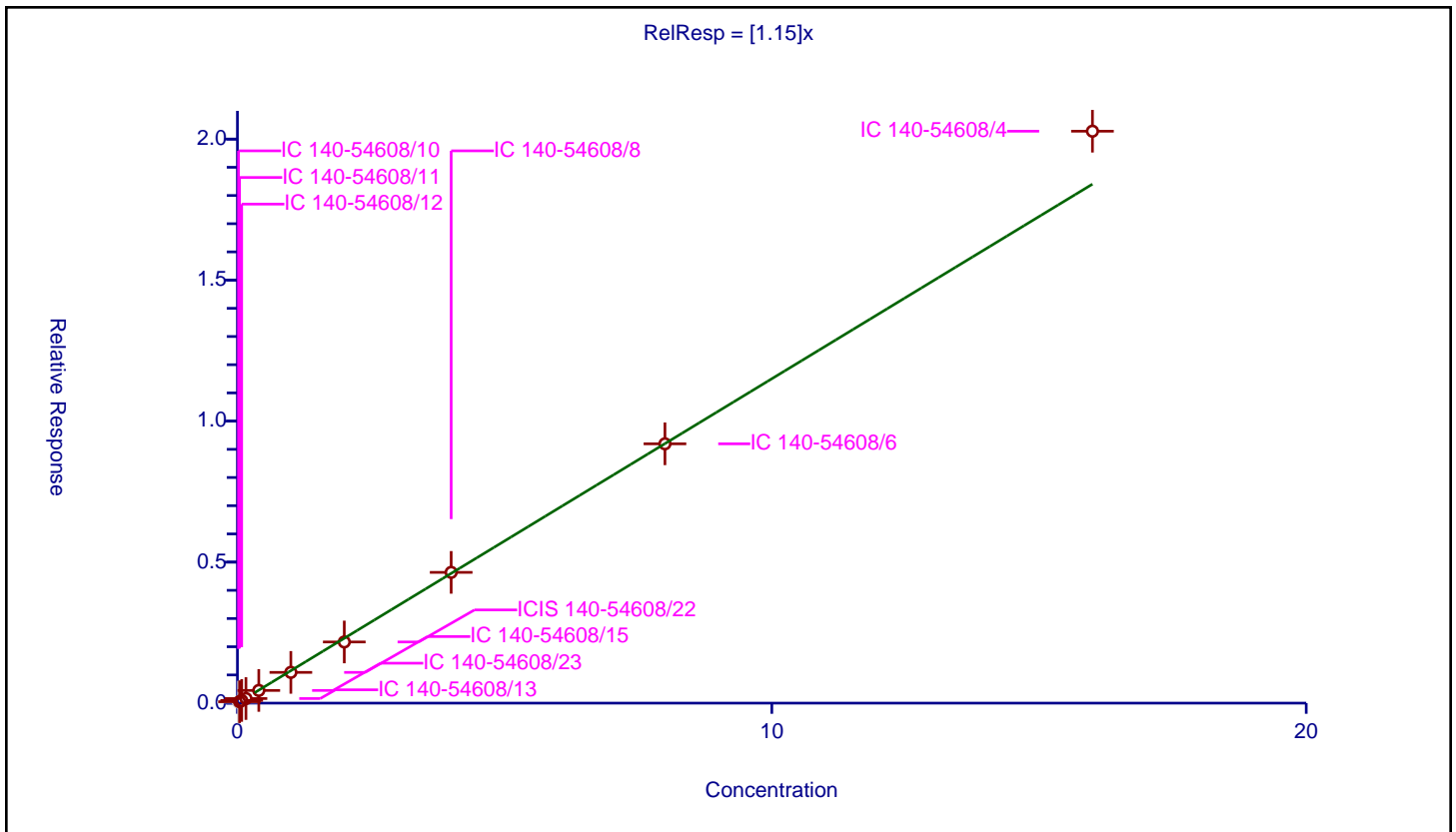
/ o-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	1.15

Error Coefficients	
Standard Error:	2020000
Relative Standard Error:	7.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.037486	4.8	1400957.0	1.874319	N
2	IC 140-54608/11	0.04	0.050756	4.8	1271956.0	1.268912	Y
3	IC 140-54608/12	0.08	0.095042	4.8	1182247.0	1.188026	Y
4	IC 140-54608/13	0.16	0.162904	4.8	1146194.0	1.018152	Y
5	IC 140-54608/23	0.4	0.450227	4.8	1307298.0	1.125567	Y
6	IC 140-54608/15	1.0	1.090584	4.8	1200462.0	1.090584	Y
7	ICIS 140-54608/22	2.0	2.168777	4.8	1305409.0	1.084388	Y
8	IC 140-54608/8	4.0	4.636133	4.8	1457627.0	1.159033	Y
9	IC 140-54608/6	8.0	9.194931	4.8	1441119.0	1.149366	Y
10	IC 140-54608/4	16.0	20.27971	4.8	1124520.0	1.267482	Y



Calibration

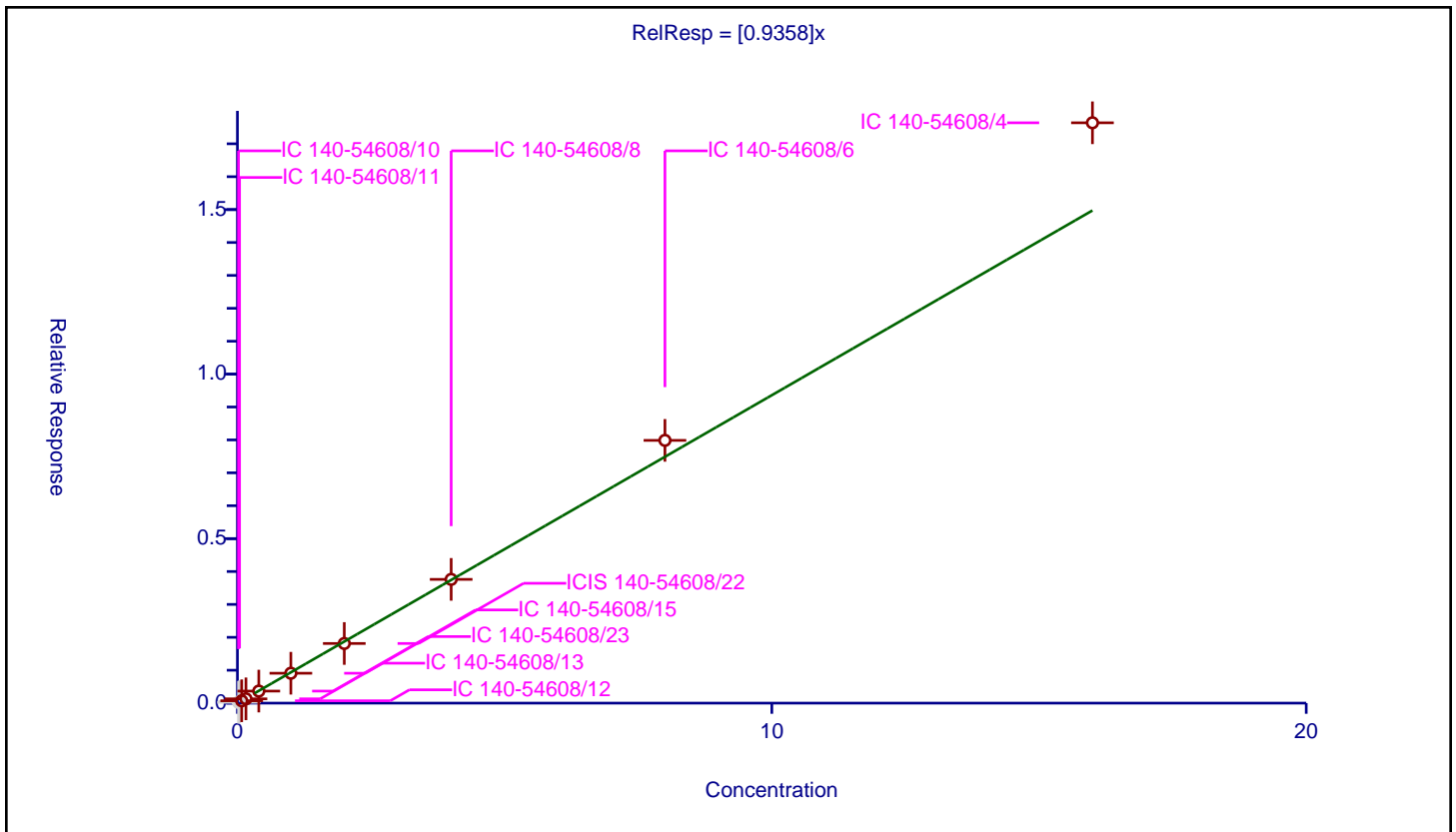
/ 1,1,2,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.9358

Error Coefficients	
Standard Error:	1870000
Relative Standard Error:	8.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.024676	4.8	1400957.0	1.233785	N
2	IC 140-54608/11	0.04	0.043934	4.8	1271956.0	1.09834	N
3	IC 140-54608/12	0.08	0.071664	4.8	1182247.0	0.895803	Y
4	IC 140-54608/13	0.16	0.131077	4.8	1146194.0	0.819233	Y
5	IC 140-54608/23	0.4	0.366094	4.8	1307298.0	0.915234	Y
6	IC 140-54608/15	1.0	0.908966	4.8	1200462.0	0.908966	Y
7	ICIS 140-54608/22	2.0	1.812787	4.8	1305409.0	0.906394	Y
8	IC 140-54608/8	4.0	3.761532	4.8	1457627.0	0.940383	Y
9	IC 140-54608/6	8.0	7.985641	4.8	1441119.0	0.998205	Y
10	IC 140-54608/4	16.0	17.637994	4.8	1124520.0	1.102375	Y



Calibration

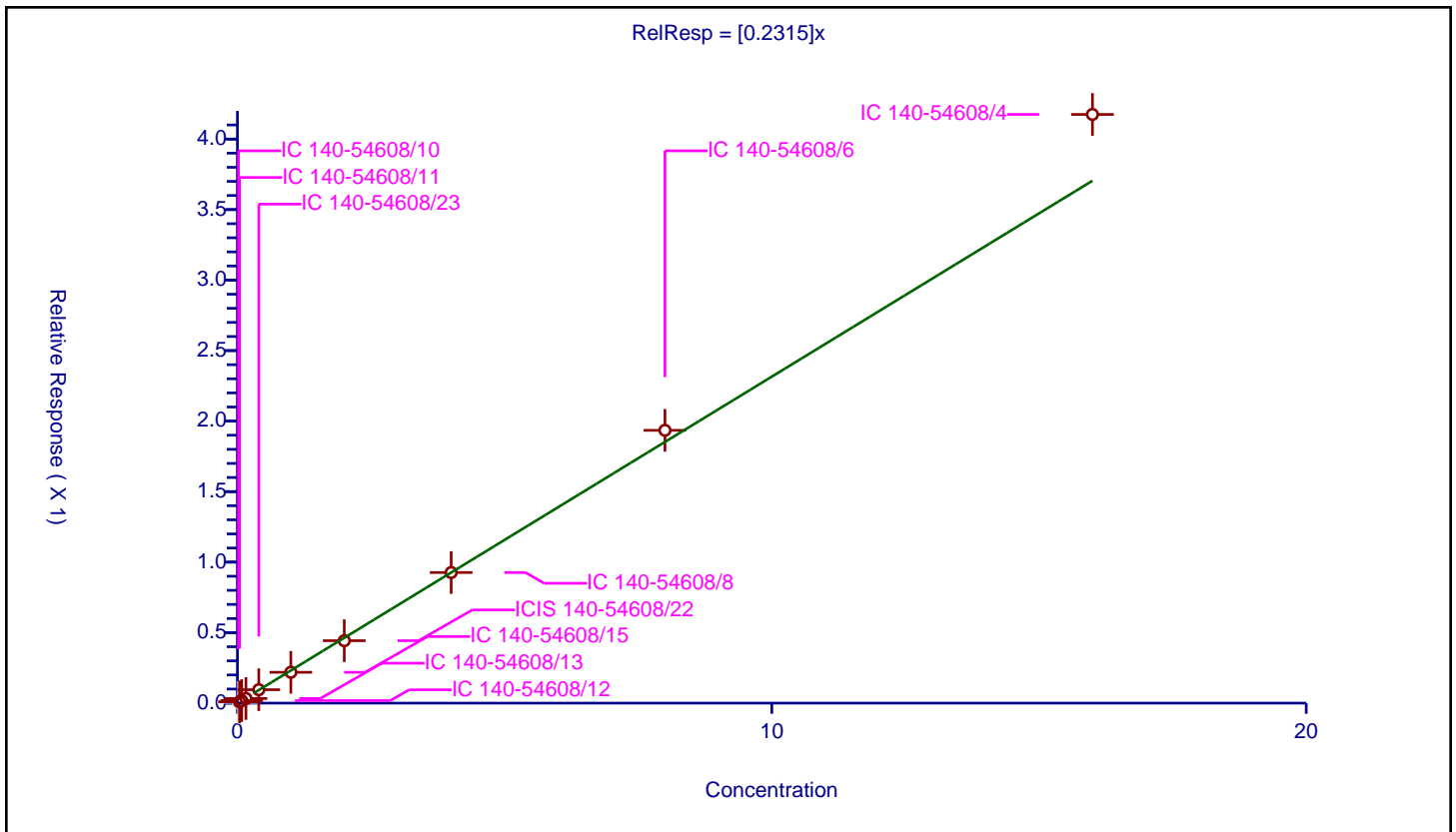
/ 1,2,3-Trichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2315

Error Coefficients	
Standard Error:	417000
Relative Standard Error:	7.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.005389	4.8	1400957.0	0.269473	N
2	IC 140-54608/11	0.04	0.009634	4.8	1271956.0	0.240857	Y
3	IC 140-54608/12	0.08	0.018031	4.8	1182247.0	0.225384	Y
4	IC 140-54608/13	0.16	0.032794	4.8	1146194.0	0.204965	Y
5	IC 140-54608/23	0.4	0.095229	4.8	1307298.0	0.238073	Y
6	IC 140-54608/15	1.0	0.218832	4.8	1200462.0	0.218832	Y
7	ICIS 140-54608/22	2.0	0.4428	4.8	1305409.0	0.2214	Y
8	IC 140-54608/8	4.0	0.926117	4.8	1457627.0	0.231529	Y
9	IC 140-54608/6	8.0	1.934603	4.8	1441119.0	0.241825	Y
10	IC 140-54608/4	16.0	4.17476	4.8	1124520.0	0.260923	Y



Calibration

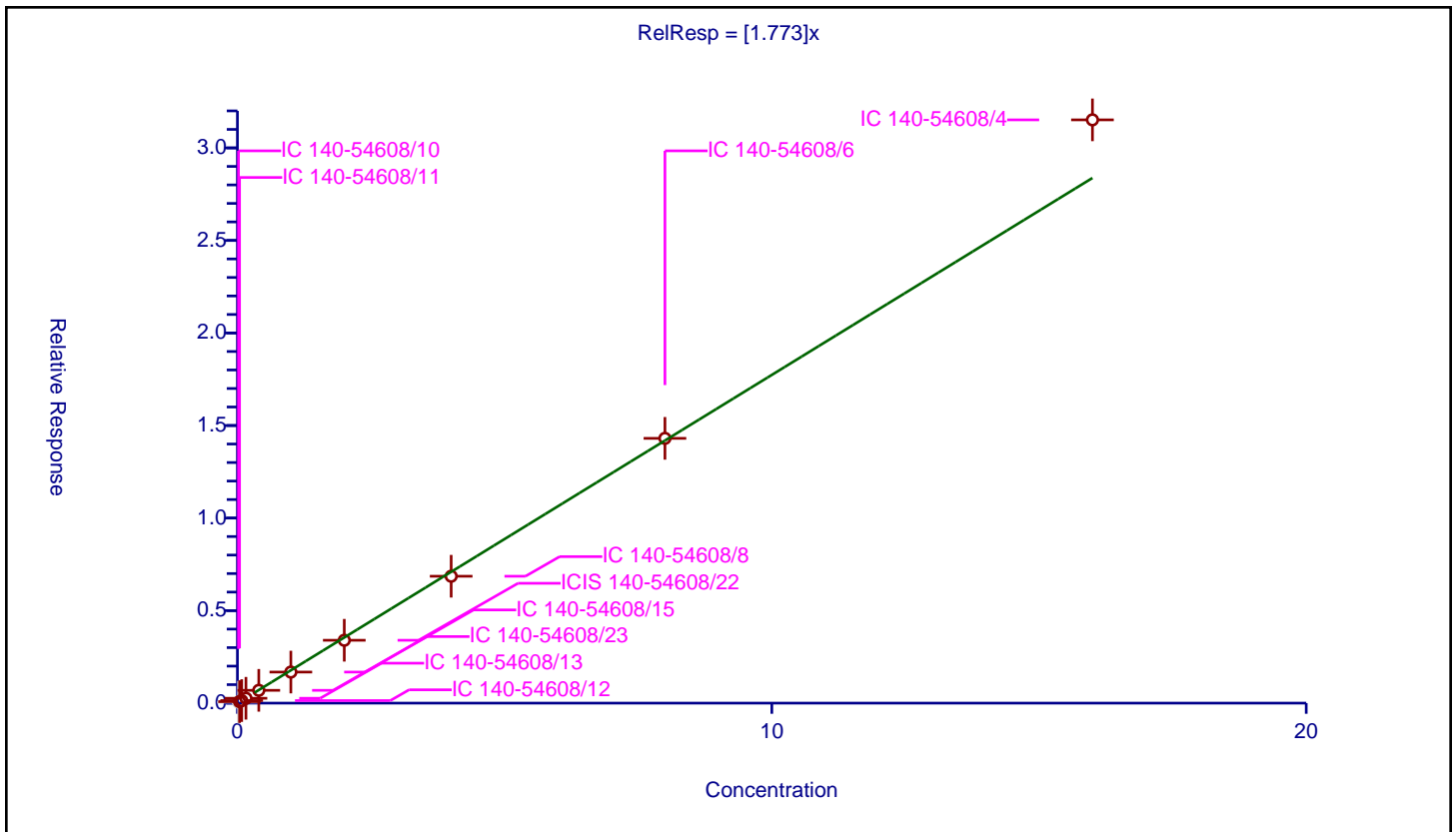
/ Isopropylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.773

Error Coefficients	
Standard Error:	3130000
Relative Standard Error:	7.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.055573	4.8	1400957.0	2.778672	N
2	IC 140-54608/11	0.04	0.080739	4.8	1271956.0	2.018466	Y
3	IC 140-54608/12	0.08	0.137888	4.8	1182247.0	1.723599	Y
4	IC 140-54608/13	0.16	0.262561	4.8	1146194.0	1.641005	Y
5	IC 140-54608/23	0.4	0.691788	4.8	1307298.0	1.729469	Y
6	IC 140-54608/15	1.0	1.67823	4.8	1200462.0	1.67823	Y
7	ICIS 140-54608/22	2.0	3.396309	4.8	1305409.0	1.698155	Y
8	IC 140-54608/8	4.0	6.856358	4.8	1457627.0	1.71409	Y
9	IC 140-54608/6	8.0	14.306779	4.8	1441119.0	1.788347	Y
10	IC 140-54608/4	16.0	31.51571	4.8	1124520.0	1.969732	Y



Calibration

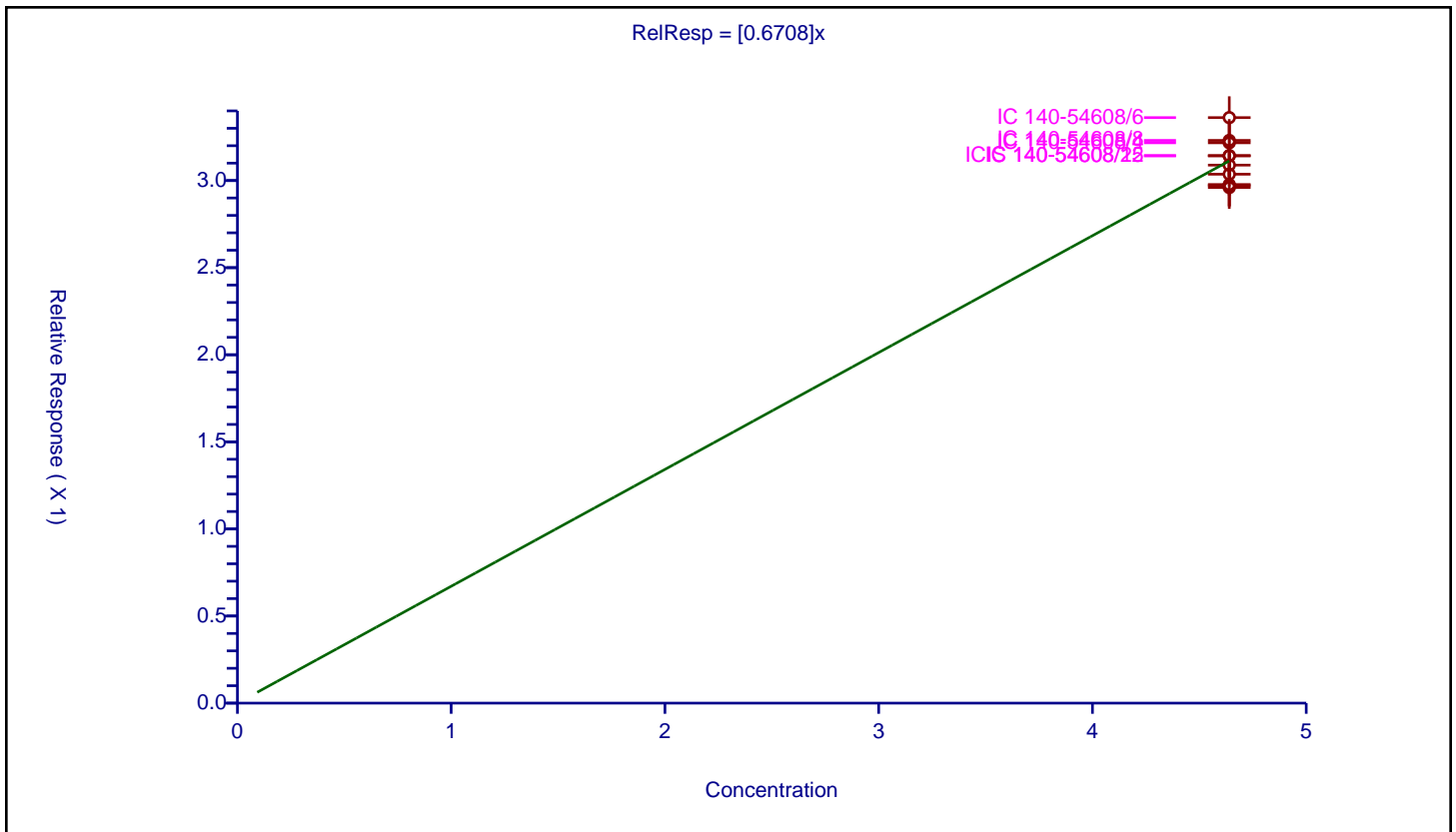
/ 4-Bromofluorobenzene (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.6708

Error Coefficients	
Standard Error:	884000
Relative Standard Error:	4.2
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/4	4.64	3.216814	4.8	1124520.0	0.693279	Y
2	IC 140-54608/6	4.64	3.361375	4.8	1441119.0	0.724434	Y
3	IC 140-54608/8	4.64	3.230377	4.8	1457627.0	0.696202	Y
4	IC 140-54608/10	4.64	2.971356	4.8	1400957.0	0.640379	Y
5	IC 140-54608/11	4.64	2.977216	4.8	1271956.0	0.641641	Y
6	IC 140-54608/12	4.64	2.959844	4.8	1182247.0	0.637898	Y
7	IC 140-54608/13	4.64	3.036433	4.8	1146194.0	0.654404	Y
8	IC 140-54608/15	4.64	3.143658	4.8	1200462.0	0.677512	Y
9	ICIS 140-54608/22	4.64	3.141555	4.8	1305409.0	0.677059	Y
10	IC 140-54608/23	4.64	3.088704	4.8	1307298.0	0.665669	Y



Calibration

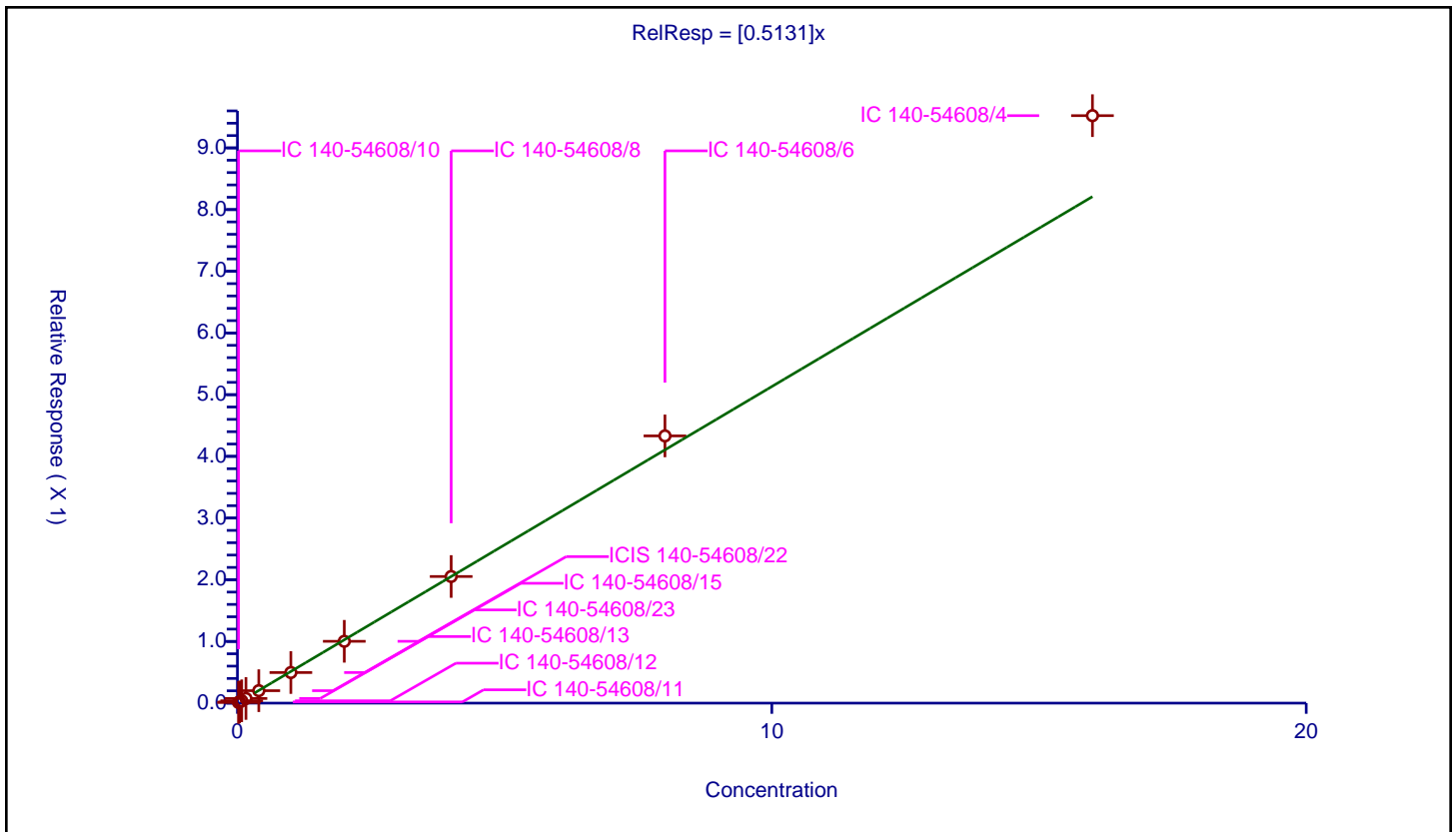
/ N-Propylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5131

Error Coefficients	
Standard Error:	891000
Relative Standard Error:	7.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.010878	4.8	1400957.0	0.543914	Y
2	IC 140-54608/11	0.04	0.01971	4.8	1271956.0	0.492753	Y
3	IC 140-54608/12	0.08	0.037824	4.8	1182247.0	0.472795	Y
4	IC 140-54608/13	0.16	0.075204	4.8	1146194.0	0.470025	Y
5	IC 140-54608/23	0.4	0.202024	4.8	1307298.0	0.50506	Y
6	IC 140-54608/15	1.0	0.495805	4.8	1200462.0	0.495805	Y
7	ICIS 140-54608/22	2.0	1.002404	4.8	1305409.0	0.501202	Y
8	IC 140-54608/8	4.0	2.052759	4.8	1457627.0	0.51319	Y
9	IC 140-54608/6	8.0	4.331707	4.8	1441119.0	0.541463	Y
10	IC 140-54608/4	16.0	9.52271	4.8	1124520.0	0.595169	Y



Calibration

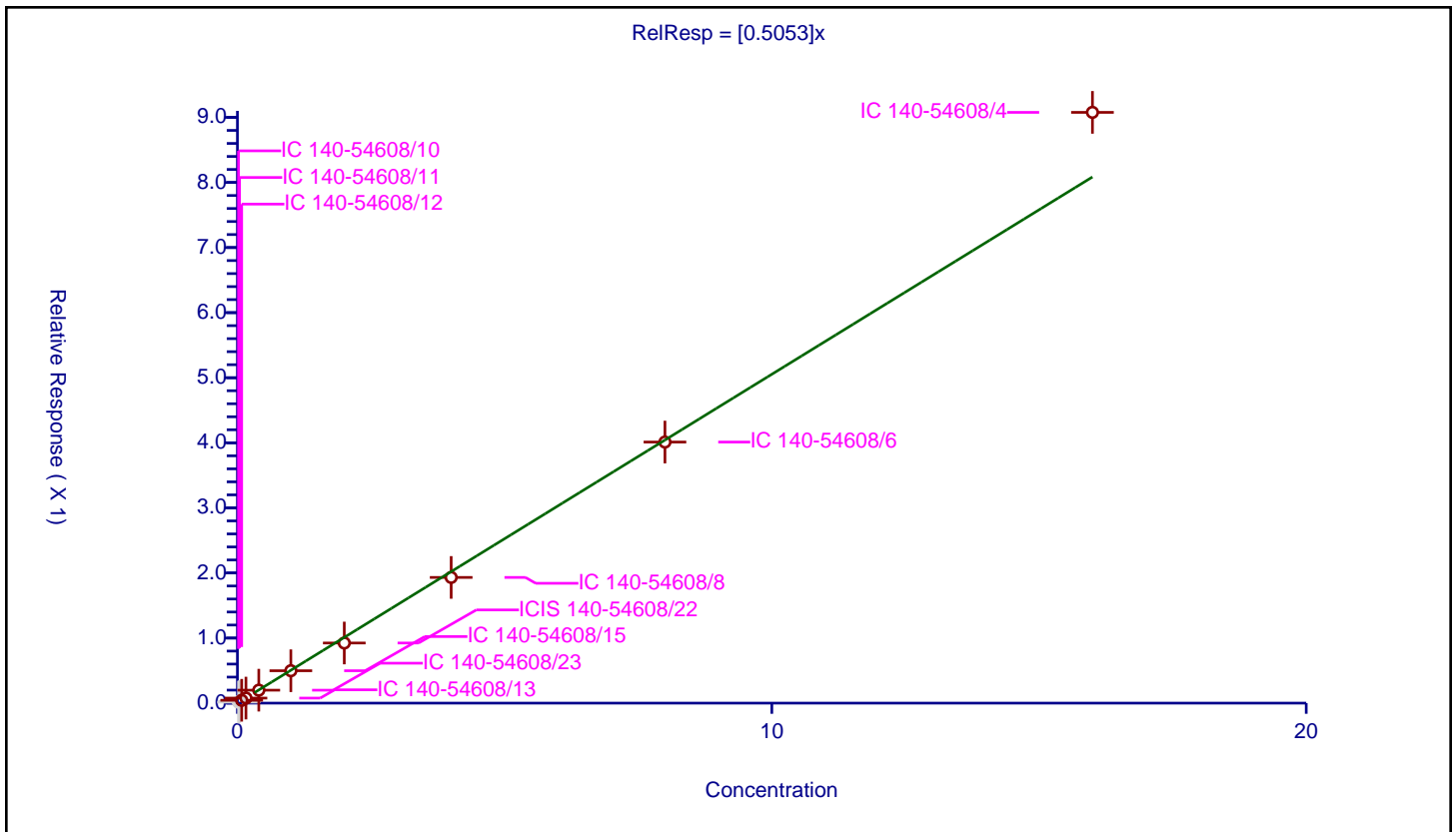
/ 2-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5053

Error Coefficients	
Standard Error:	956000
Relative Standard Error:	6.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.015463	4.8	1400957.0	0.773129	N
2	IC 140-54608/11	0.04	0.025808	4.8	1271956.0	0.645211	N
3	IC 140-54608/12	0.08	0.043845	4.8	1182247.0	0.548058	Y
4	IC 140-54608/13	0.16	0.077658	4.8	1146194.0	0.485363	Y
5	IC 140-54608/23	0.4	0.199006	4.8	1307298.0	0.497515	Y
6	IC 140-54608/15	1.0	0.497816	4.8	1200462.0	0.497816	Y
7	ICIS 140-54608/22	2.0	0.923926	4.8	1305409.0	0.461963	Y
8	IC 140-54608/8	4.0	1.9315	4.8	1457627.0	0.482875	Y
9	IC 140-54608/6	8.0	4.011503	4.8	1441119.0	0.501438	Y
10	IC 140-54608/4	16.0	9.076884	4.8	1124520.0	0.567305	Y



Calibration

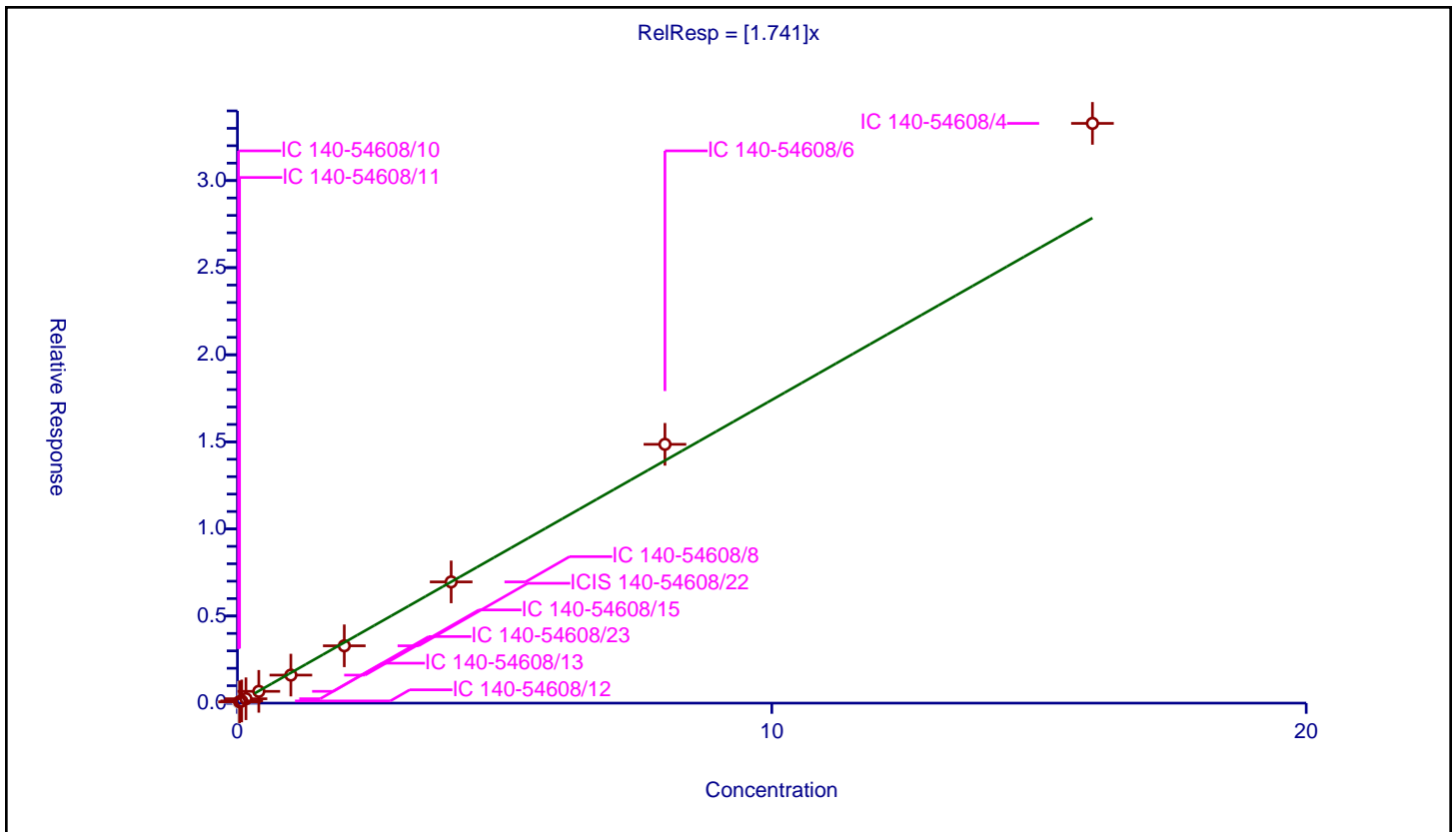
/ 4-Ethyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	1.741

Error Coefficients	
Standard Error:	3280000
Relative Standard Error:	10.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.047429	4.8	1400957.0	2.371465	N
2	IC 140-54608/11	0.04	0.076452	4.8	1271956.0	1.911293	Y
3	IC 140-54608/12	0.08	0.124766	4.8	1182247.0	1.559573	Y
4	IC 140-54608/13	0.16	0.251723	4.8	1146194.0	1.573268	Y
5	IC 140-54608/23	0.4	0.675911	4.8	1307298.0	1.689778	Y
6	IC 140-54608/15	1.0	1.609228	4.8	1200462.0	1.609228	Y
7	ICIS 140-54608/22	2.0	3.29072	4.8	1305409.0	1.64536	Y
8	IC 140-54608/8	4.0	6.959285	4.8	1457627.0	1.739821	Y
9	IC 140-54608/6	8.0	14.857518	4.8	1441119.0	1.85719	Y
10	IC 140-54608/4	16.0	33.282318	4.8	1124520.0	2.080145	Y



Calibration

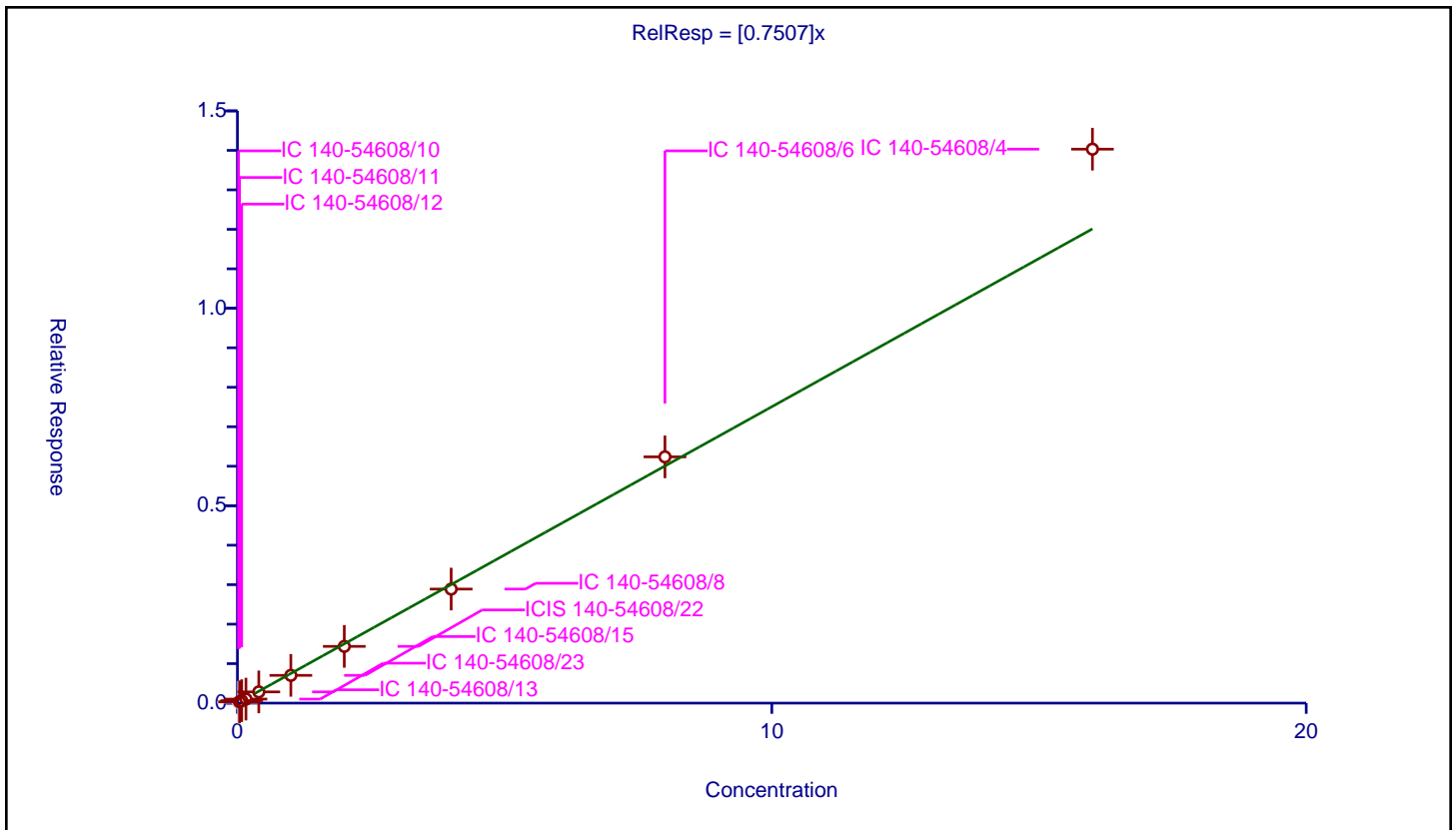
/ 1,3,5-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7507

Error Coefficients	
Standard Error:	1380000
Relative Standard Error:	9.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.022733	4.8	1400957.0	1.136652	N
2	IC 140-54608/11	0.04	0.033205	4.8	1271956.0	0.830123	Y
3	IC 140-54608/12	0.08	0.062281	4.8	1182247.0	0.778518	Y
4	IC 140-54608/13	0.16	0.101935	4.8	1146194.0	0.637091	Y
5	IC 140-54608/23	0.4	0.284112	4.8	1307298.0	0.71028	Y
6	IC 140-54608/15	1.0	0.703233	4.8	1200462.0	0.703233	Y
7	ICIS 140-54608/22	2.0	1.436993	4.8	1305409.0	0.718497	Y
8	IC 140-54608/8	4.0	2.888551	4.8	1457627.0	0.722138	Y
9	IC 140-54608/6	8.0	6.237323	4.8	1441119.0	0.779665	Y
10	IC 140-54608/4	16.0	14.030784	4.8	1124520.0	0.876924	Y



Calibration

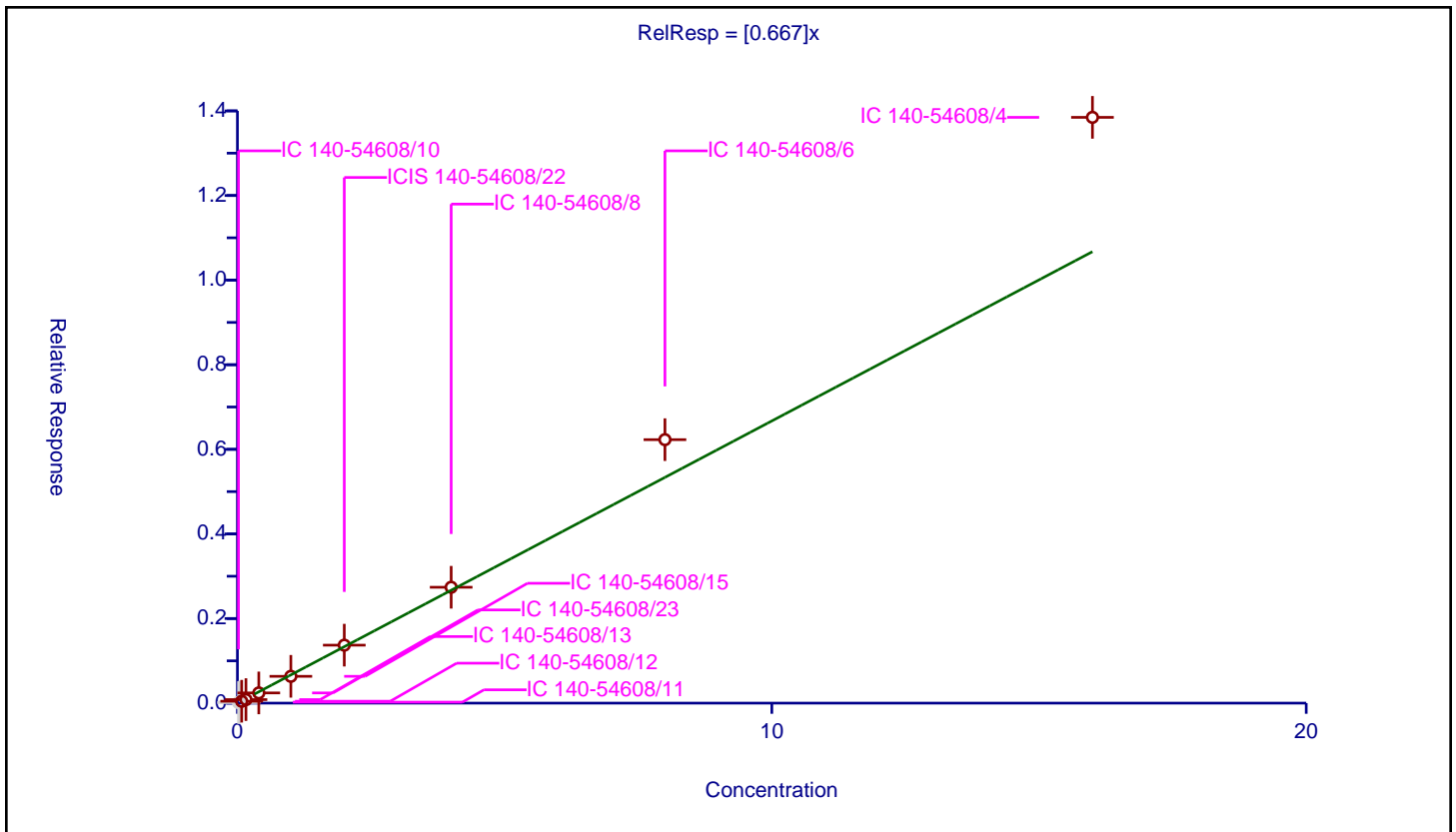
/ Alpha Methyl Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	0.667

Error Coefficients	
Standard Error:	1460000
Relative Standard Error:	17.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.013417	4.8	1400957.0	0.670856	N
2	IC 140-54608/11	0.04	0.023646	4.8	1271956.0	0.591153	N
3	IC 140-54608/12	0.08	0.045233	4.8	1182247.0	0.565415	Y
4	IC 140-54608/13	0.16	0.083136	4.8	1146194.0	0.519598	Y
5	IC 140-54608/23	0.4	0.241403	4.8	1307298.0	0.603507	Y
6	IC 140-54608/15	1.0	0.633612	4.8	1200462.0	0.633612	Y
7	ICIS 140-54608/22	2.0	1.370333	4.8	1305409.0	0.685166	Y
8	IC 140-54608/8	4.0	2.739117	4.8	1457627.0	0.684779	Y
9	IC 140-54608/6	8.0	6.22815	4.8	1441119.0	0.778519	Y
10	IC 140-54608/4	16.0	13.846889	4.8	1124520.0	0.865431	Y



Calibration

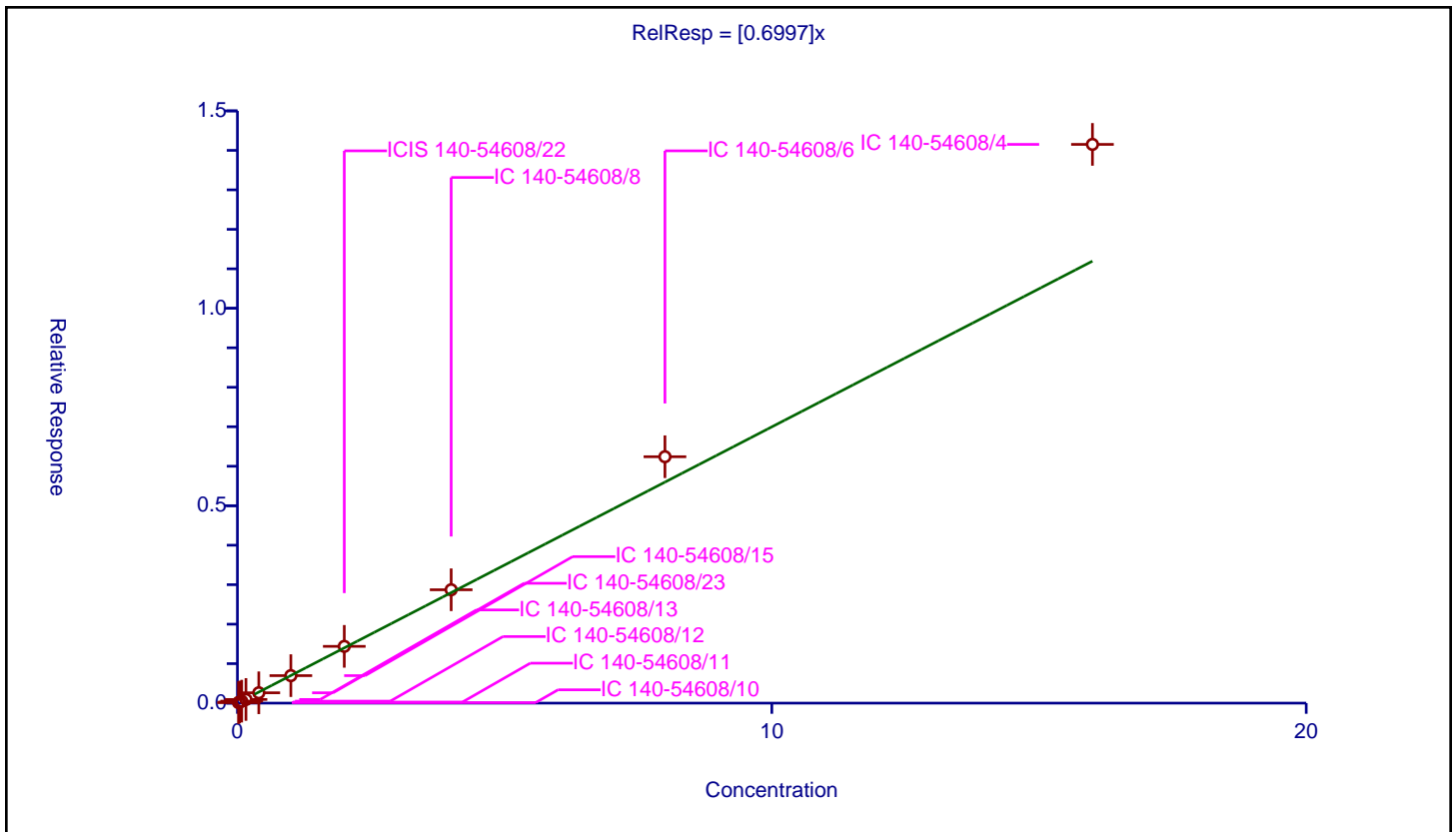
/ n-Decane

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

Curve Coefficients	
Intercept:	0
Slope:	0.6997

Error Coefficients	
Standard Error:	1310000
Relative Standard Error:	12.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.013222	4.8	1400957.0	0.661091	Y
2	IC 140-54608/11	0.04	0.027076	4.8	1271956.0	0.67691	Y
3	IC 140-54608/12	0.08	0.05026	4.8	1182247.0	0.628244	Y
4	IC 140-54608/13	0.16	0.092458	4.8	1146194.0	0.57786	Y
5	IC 140-54608/23	0.4	0.261972	4.8	1307298.0	0.654929	Y
6	IC 140-54608/15	1.0	0.696404	4.8	1200462.0	0.696404	Y
7	ICIS 140-54608/22	2.0	1.437504	4.8	1305409.0	0.718752	Y
8	IC 140-54608/8	4.0	2.871599	4.8	1457627.0	0.7179	Y
9	IC 140-54608/6	8.0	6.240904	4.8	1441119.0	0.780113	Y
10	IC 140-54608/4	16.0	14.15125	4.8	1124520.0	0.884453	Y



Calibration

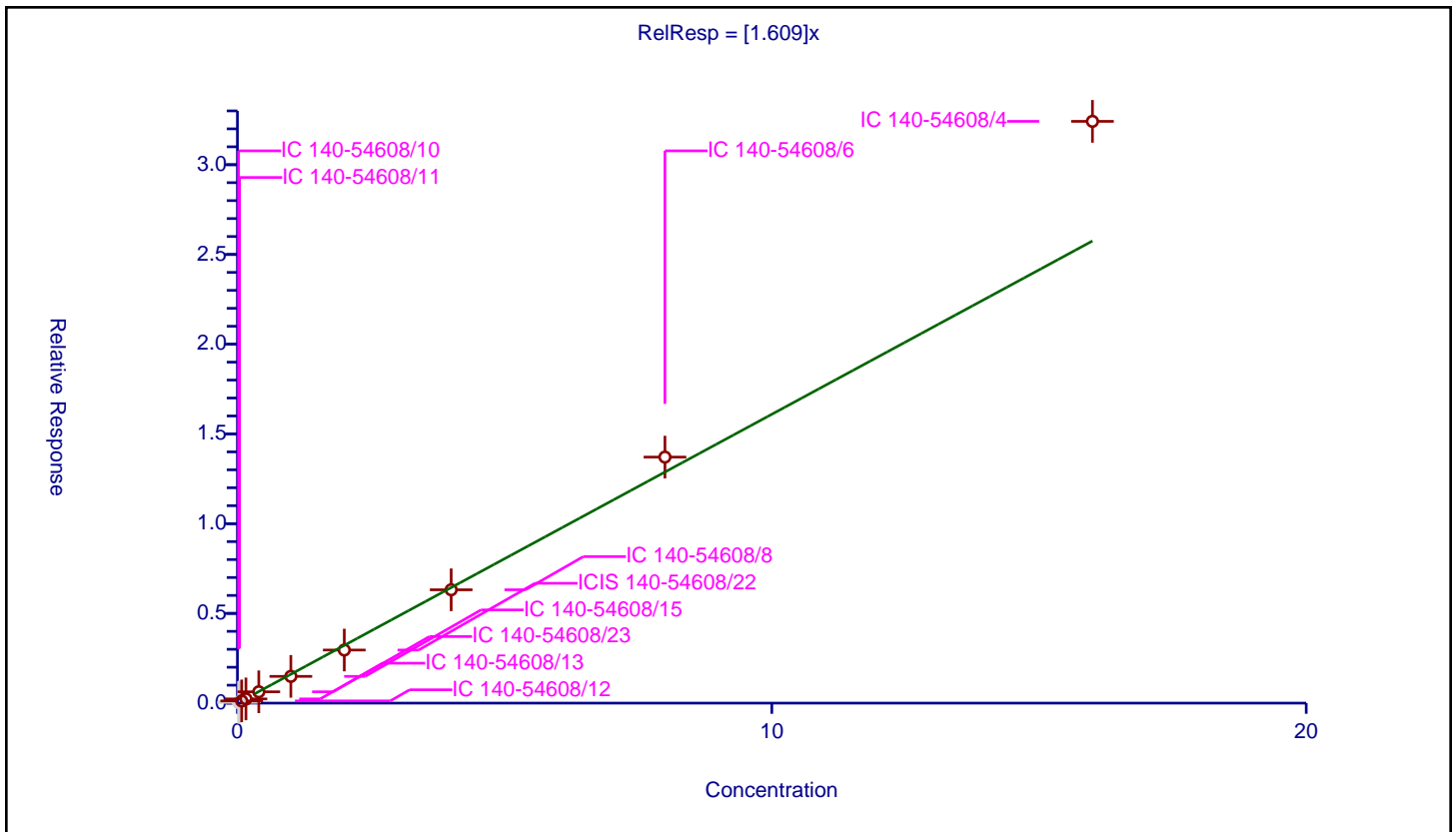
/ tert-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.609

Error Coefficients	
Standard Error:	3360000
Relative Standard Error:	11.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.041067	4.8	1400957.0	2.053339	N
2	IC 140-54608/11	0.04	0.075901	4.8	1271956.0	1.897518	N
3	IC 140-54608/12	0.08	0.123272	4.8	1182247.0	1.540896	Y
4	IC 140-54608/13	0.16	0.234905	4.8	1146194.0	1.468155	Y
5	IC 140-54608/23	0.4	0.630834	4.8	1307298.0	1.577085	Y
6	IC 140-54608/15	1.0	1.491386	4.8	1200462.0	1.491386	Y
7	ICIS 140-54608/22	2.0	2.959109	4.8	1305409.0	1.479555	Y
8	IC 140-54608/8	4.0	6.315673	4.8	1457627.0	1.578918	Y
9	IC 140-54608/6	8.0	13.708907	4.8	1441119.0	1.713613	Y
10	IC 140-54608/4	16.0	32.416148	4.8	1124520.0	2.026009	Y



Calibration

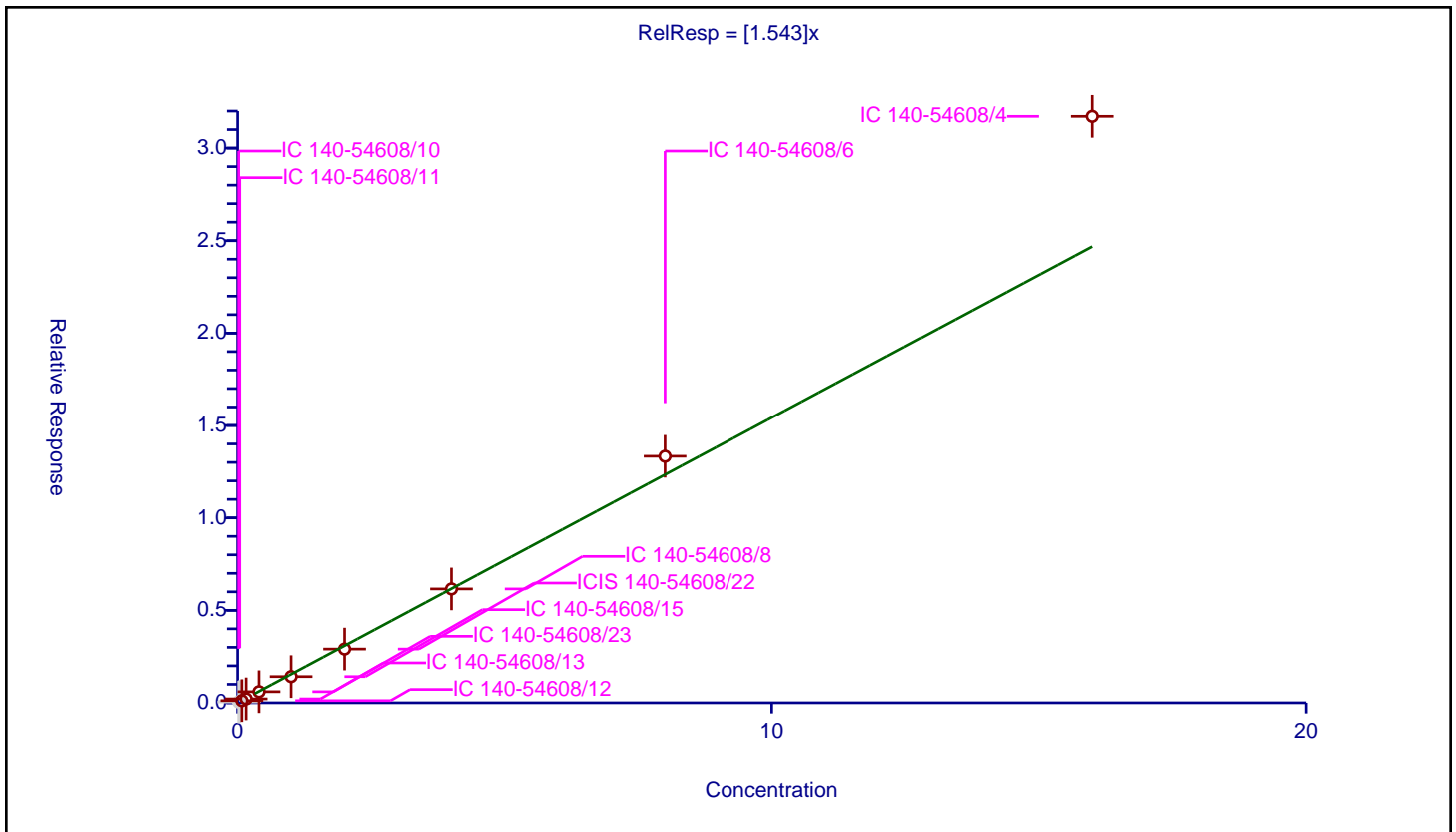
/ 1,2,4-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.543

Error Coefficients	
Standard Error:	3280000
Relative Standard Error:	13.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.042571	4.8	1400957.0	2.128545	N
2	IC 140-54608/11	0.04	0.074746	4.8	1271956.0	1.86865	N
3	IC 140-54608/12	0.08	0.116703	4.8	1182247.0	1.458781	Y
4	IC 140-54608/13	0.16	0.212672	4.8	1146194.0	1.329199	Y
5	IC 140-54608/23	0.4	0.598938	4.8	1307298.0	1.497345	Y
6	IC 140-54608/15	1.0	1.414615	4.8	1200462.0	1.414615	Y
7	ICIS 140-54608/22	2.0	2.905962	4.8	1305409.0	1.452981	Y
8	IC 140-54608/8	4.0	6.157687	4.8	1457627.0	1.539422	Y
9	IC 140-54608/6	8.0	13.333292	4.8	1441119.0	1.666662	Y
10	IC 140-54608/4	16.0	31.715757	4.8	1124520.0	1.982235	Y



Calibration

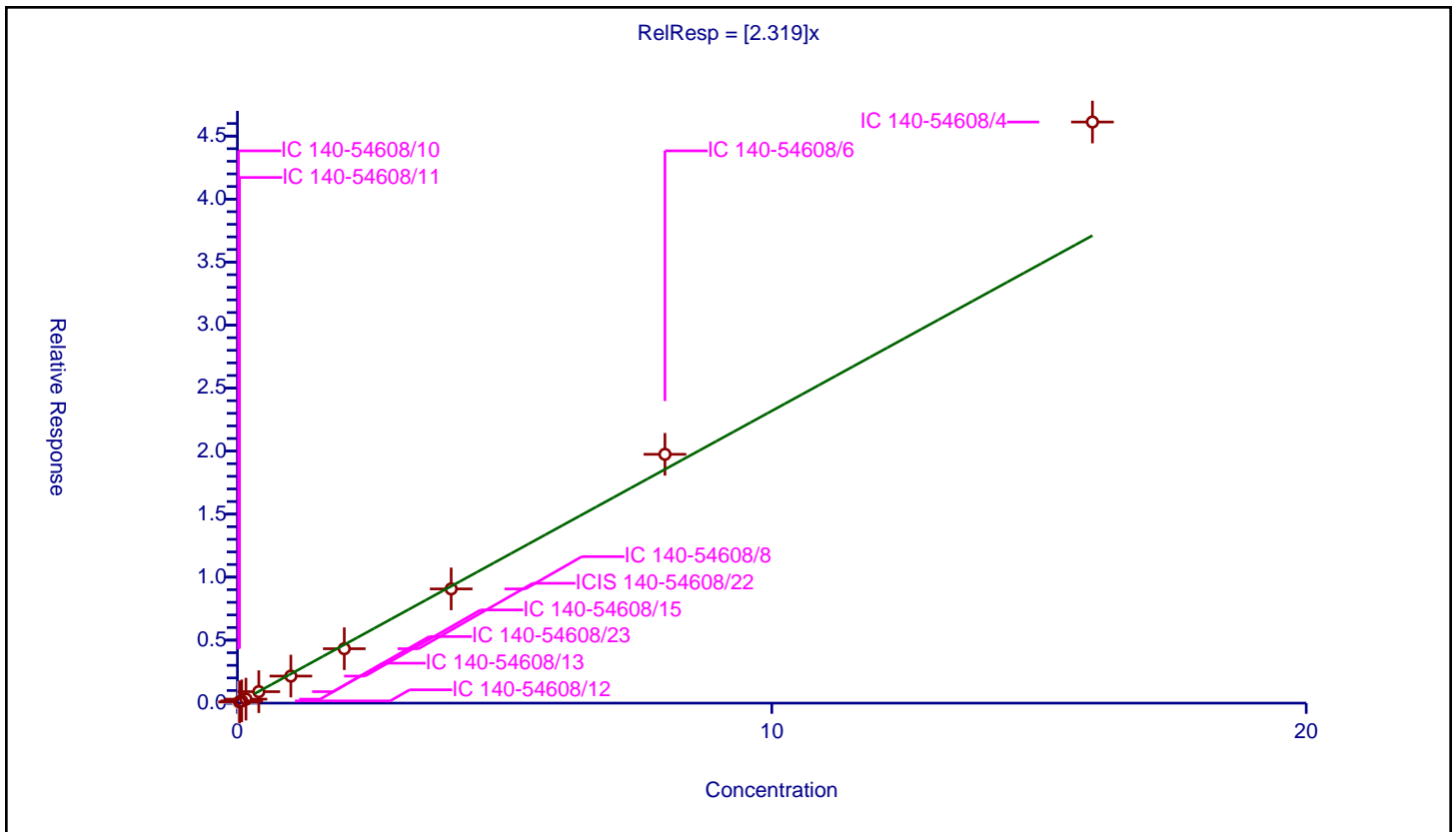
/ sec-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.319

Error Coefficients	
Standard Error:	4490000
Relative Standard Error:	11.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.05717	4.8	1400957.0	2.858503	N
2	IC 140-54608/11	0.04	0.099052	4.8	1271956.0	2.476312	Y
3	IC 140-54608/12	0.08	0.178119	4.8	1182247.0	2.226489	Y
4	IC 140-54608/13	0.16	0.315896	4.8	1146194.0	1.974352	Y
5	IC 140-54608/23	0.4	0.909244	4.8	1307298.0	2.27311	Y
6	IC 140-54608/15	1.0	2.146694	4.8	1200462.0	2.146694	Y
7	ICIS 140-54608/22	2.0	4.317981	4.8	1305409.0	2.15899	Y
8	IC 140-54608/8	4.0	9.0644	4.8	1457627.0	2.2661	Y
9	IC 140-54608/6	8.0	19.745663	4.8	1441119.0	2.468208	Y
10	IC 140-54608/4	16.0	46.115458	4.8	1124520.0	2.882216	Y



Calibration

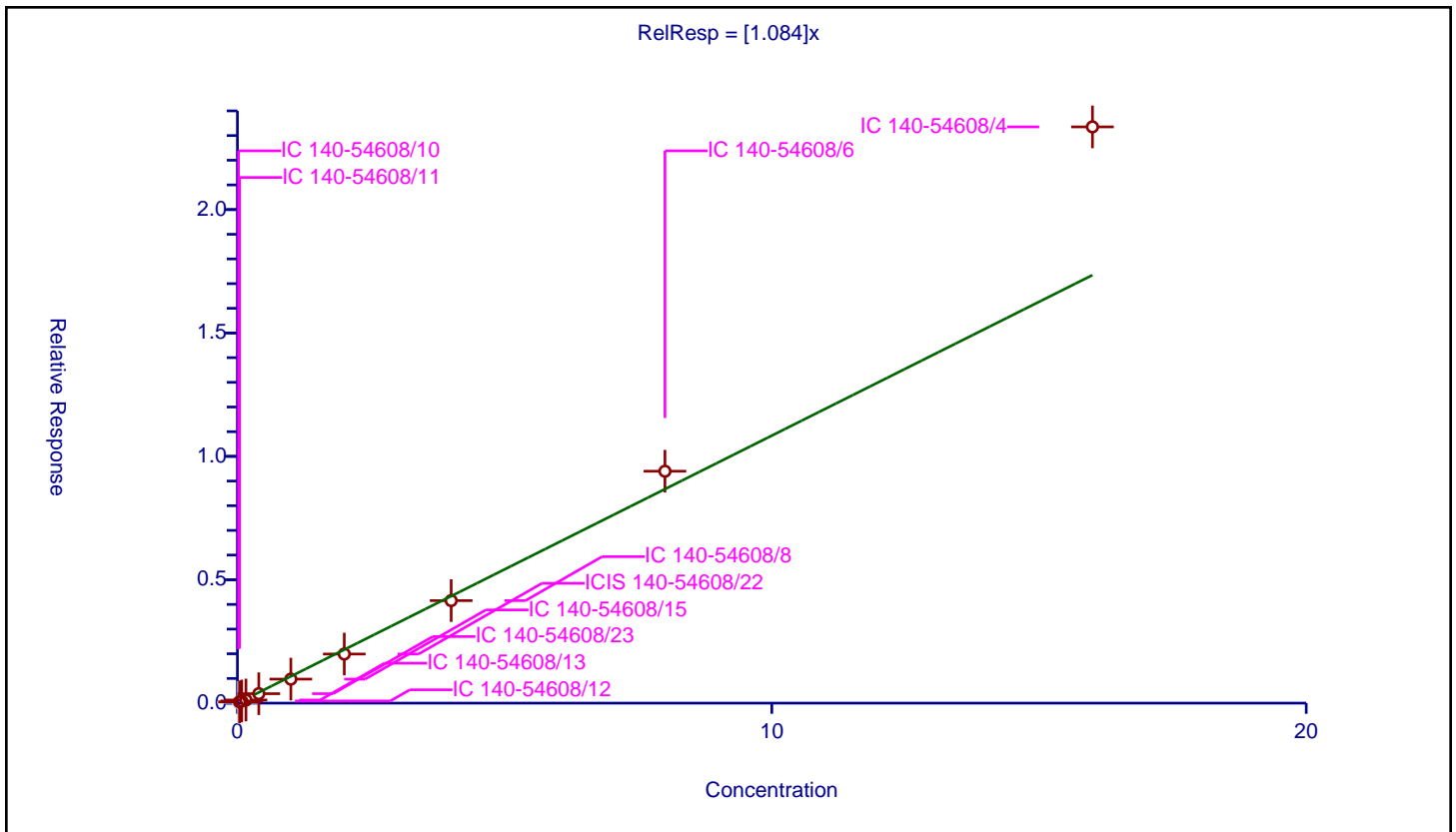
/ 1,3-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.084

Error Coefficients	
Standard Error:	2230000
Relative Standard Error:	18.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.030785	4.8	1400957.0	1.539234	N
2	IC 140-54608/11	0.04	0.051319	4.8	1271956.0	1.282969	Y
3	IC 140-54608/12	0.08	0.086378	4.8	1182247.0	1.079724	Y
4	IC 140-54608/13	0.16	0.127346	4.8	1146194.0	0.795912	Y
5	IC 140-54608/23	0.4	0.38284	4.8	1307298.0	0.957101	Y
6	IC 140-54608/15	1.0	0.973013	4.8	1200462.0	0.973013	Y
7	ICIS 140-54608/22	2.0	1.990085	4.8	1305409.0	0.995043	Y
8	IC 140-54608/8	4.0	4.155242	4.8	1457627.0	1.038811	Y
9	IC 140-54608/6	8.0	9.397944	4.8	1441119.0	1.174743	Y
10	IC 140-54608/4	16.0	23.350938	4.8	1124520.0	1.459434	Y



Calibration

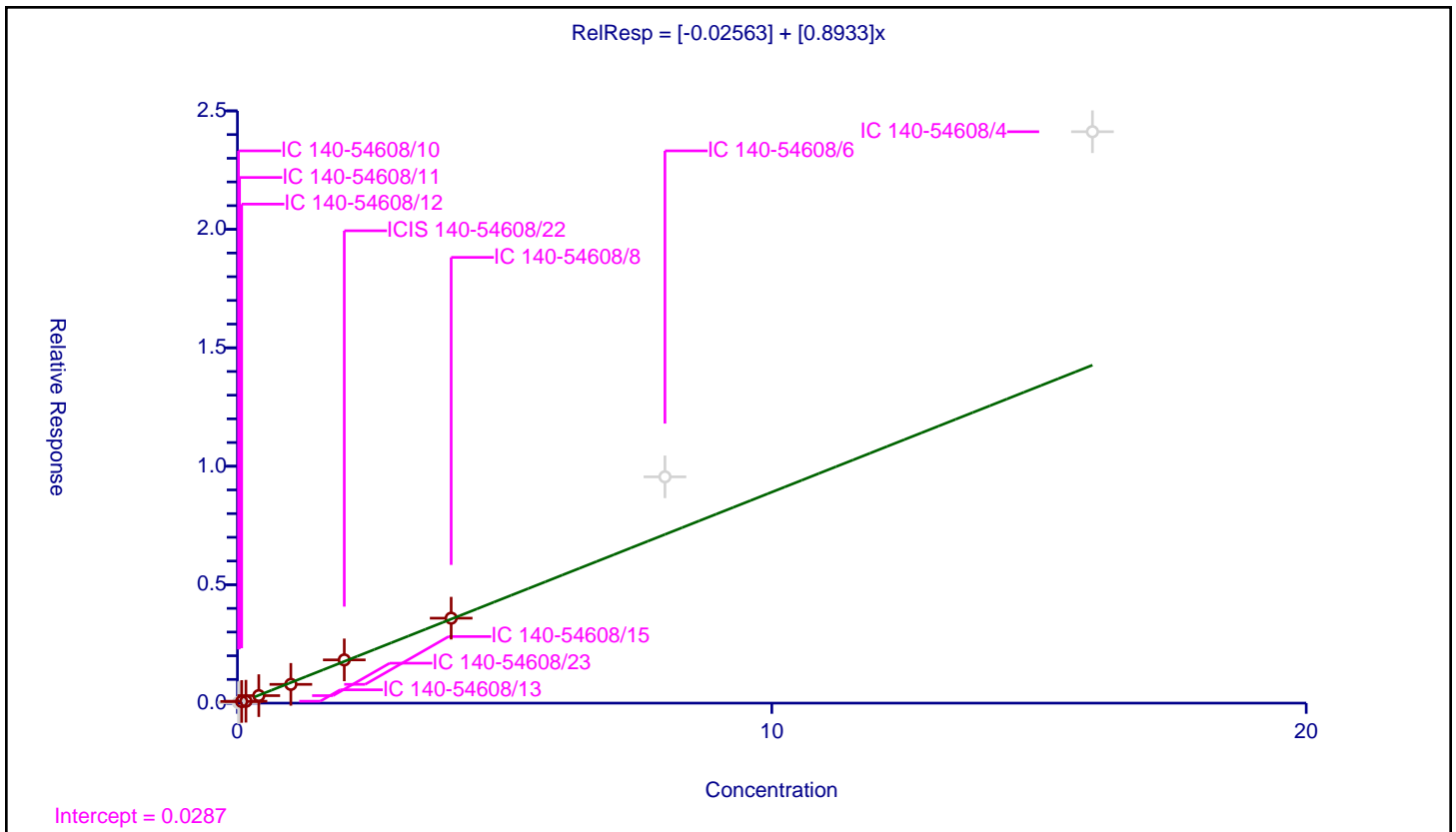
/ Benzyl chloride

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

Curve Coefficients	
Intercept:	-0.02563
Slope:	0.8933

Error Coefficients	
Standard Error:	608000
Relative Standard Error:	21.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.018587	4.8	1400957.0	0.929365	N
2	IC 140-54608/11	0.04	0.038367	4.8	1271956.0	0.959184	N
3	IC 140-54608/12	0.08	0.069797	4.8	1182247.0	0.872457	Y
4	IC 140-54608/13	0.16	0.080761	4.8	1146194.0	0.504757	Y
5	IC 140-54608/23	0.4	0.316702	4.8	1307298.0	0.791755	Y
6	IC 140-54608/15	1.0	0.791951	4.8	1200462.0	0.791951	Y
7	ICIS 140-54608/22	2.0	1.825705	4.8	1305409.0	0.912852	Y
8	IC 140-54608/8	4.0	3.586155	4.8	1457627.0	0.896539	Y
9	IC 140-54608/6	8.0	9.55293	4.8	1441119.0	1.194116	N
10	IC 140-54608/4	16.0	24.120674	4.8	1124520.0	1.507542	N



Calibration

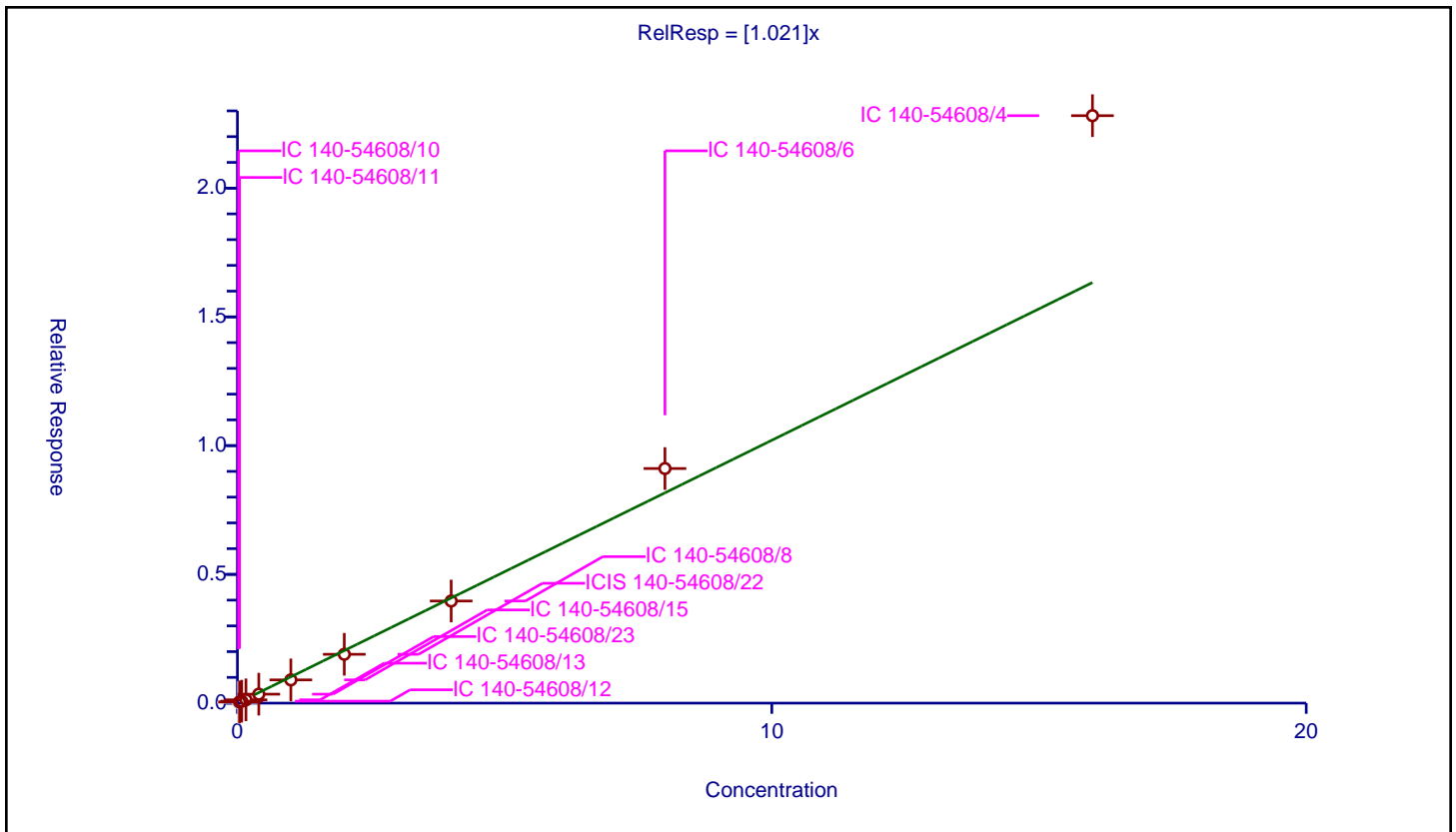
/ 1,4-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.021

Error Coefficients	
Standard Error:	2170000
Relative Standard Error:	18.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.028016	4.8	1400957.0	1.400814	N
2	IC 140-54608/11	0.04	0.046194	4.8	1271956.0	1.154851	Y
3	IC 140-54608/12	0.08	0.075866	4.8	1182247.0	0.94833	Y
4	IC 140-54608/13	0.16	0.129247	4.8	1146194.0	0.807795	Y
5	IC 140-54608/23	0.4	0.347743	4.8	1307298.0	0.869356	Y
6	IC 140-54608/15	1.0	0.902708	4.8	1200462.0	0.902708	Y
7	ICIS 140-54608/22	2.0	1.89691	4.8	1305409.0	0.948455	Y
8	IC 140-54608/8	4.0	3.965917	4.8	1457627.0	0.991479	Y
9	IC 140-54608/6	8.0	9.110554	4.8	1441119.0	1.138819	Y
10	IC 140-54608/4	16.0	22.81377	4.8	1124520.0	1.425861	Y



Calibration

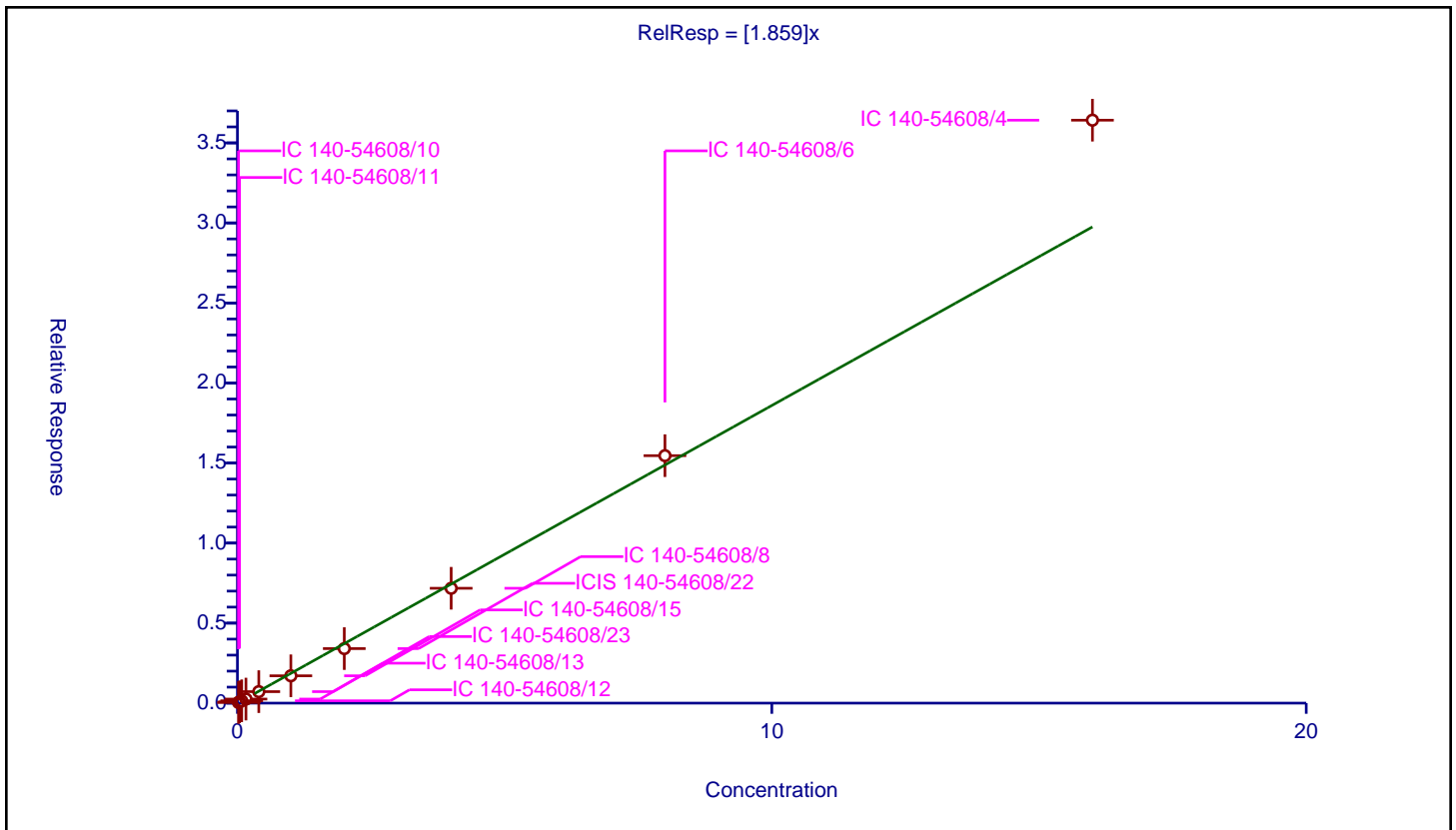
/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	1.859

Error Coefficients	
Standard Error:	3340000
Relative Standard Error:	10.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.038425	4.8	1400957.0	1.921258	Y
2	IC 140-54608/11	0.04	0.082607	4.8	1271956.0	2.065166	Y
3	IC 140-54608/12	0.08	0.145472	4.8	1182247.0	1.818402	Y
4	IC 140-54608/13	0.16	0.25295	4.8	1146194.0	1.580937	Y
5	IC 140-54608/23	0.4	0.718257	4.8	1307298.0	1.795643	Y
6	IC 140-54608/15	1.0	1.707439	4.8	1200462.0	1.707439	Y
7	ICIS 140-54608/22	2.0	3.406704	4.8	1305409.0	1.703352	Y
8	IC 140-54608/8	4.0	7.175574	4.8	1457627.0	1.793893	Y
9	IC 140-54608/6	8.0	15.459627	4.8	1441119.0	1.932453	Y
10	IC 140-54608/4	16.0	36.419989	4.8	1124520.0	2.276249	Y



Calibration

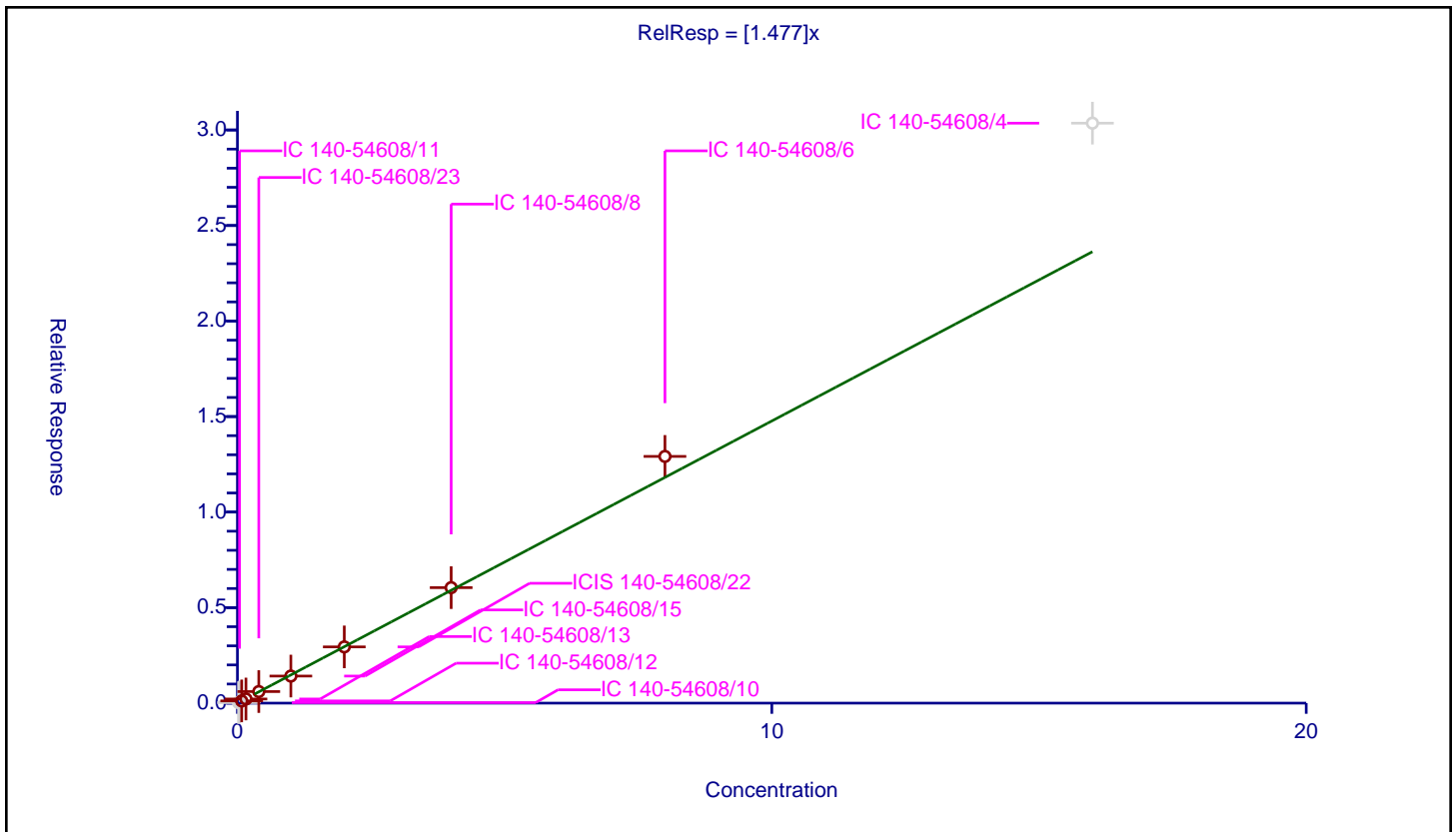
/ 1,2,3-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.477

Error Coefficients	
Standard Error:	1790000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.027478	4.8	1400957.0	1.373918	N
2	IC 140-54608/11	0.04	0.061776	4.8	1271956.0	1.544393	N
3	IC 140-54608/12	0.08	0.116195	4.8	1182247.0	1.452438	Y
4	IC 140-54608/13	0.16	0.216839	4.8	1146194.0	1.355242	Y
5	IC 140-54608/23	0.4	0.606065	4.8	1307298.0	1.515162	Y
6	IC 140-54608/15	1.0	1.417702	4.8	1200462.0	1.417702	Y
7	ICIS 140-54608/22	2.0	2.943306	4.8	1305409.0	1.471653	Y
8	IC 140-54608/8	4.0	6.045586	4.8	1457627.0	1.511397	Y
9	IC 140-54608/6	8.0	12.914315	4.8	1441119.0	1.614289	Y
10	IC 140-54608/4	16.0	30.357089	4.8	1124520.0	1.897318	N



Calibration

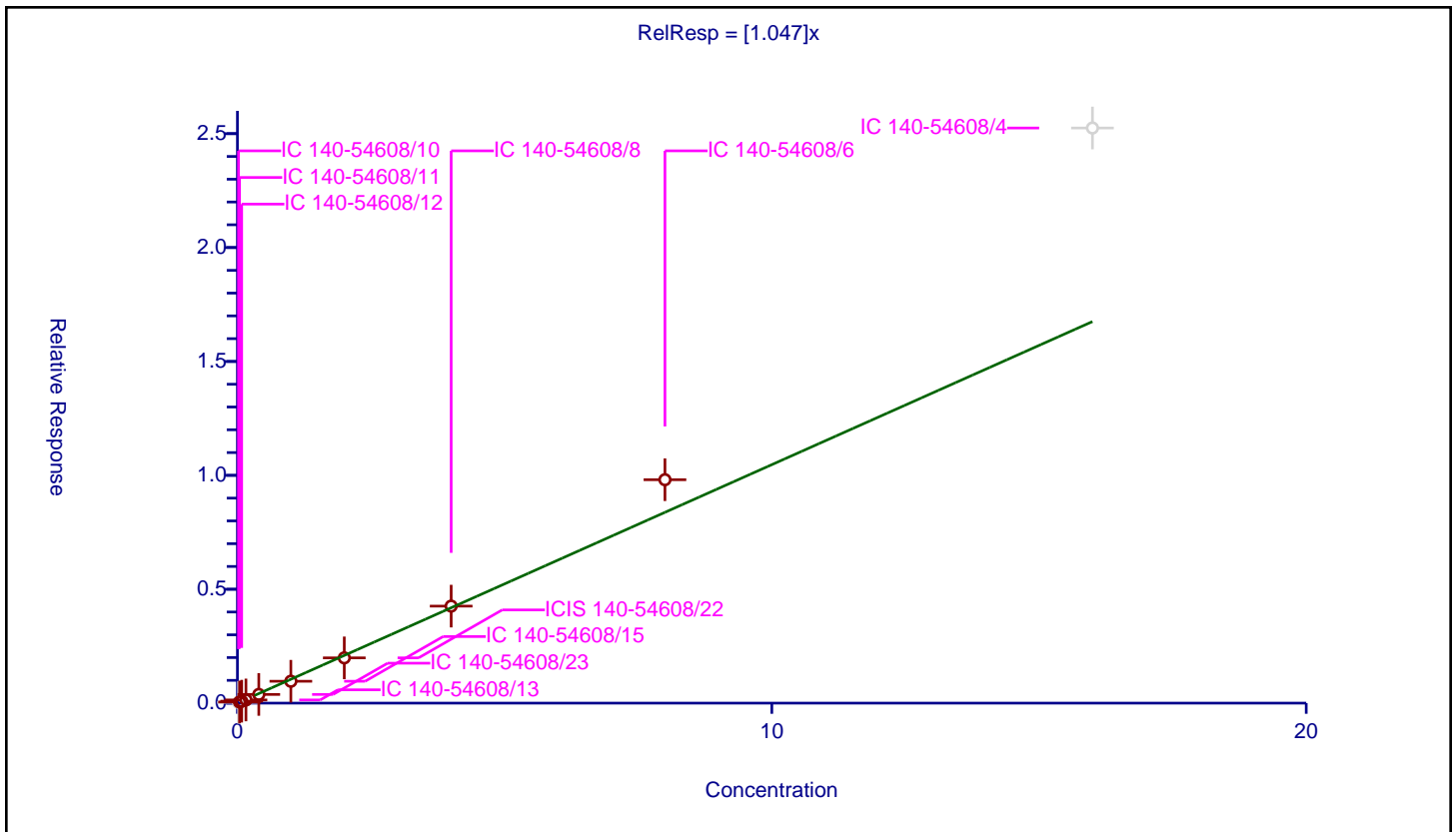
/ 1,2-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.047

Error Coefficients	
Standard Error:	1240000
Relative Standard Error:	12.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.034574	4.8	1400957.0	1.728704	N
2	IC 140-54608/11	0.04	0.049356	4.8	1271956.0	1.233911	Y
3	IC 140-54608/12	0.08	0.085513	4.8	1182247.0	1.068914	Y
4	IC 140-54608/13	0.16	0.139775	4.8	1146194.0	0.873596	Y
5	IC 140-54608/23	0.4	0.381441	4.8	1307298.0	0.953604	Y
6	IC 140-54608/15	1.0	0.960494	4.8	1200462.0	0.960494	Y
7	ICIS 140-54608/22	2.0	1.987537	4.8	1305409.0	0.993769	Y
8	IC 140-54608/8	4.0	4.259233	4.8	1457627.0	1.064808	Y
9	IC 140-54608/6	8.0	9.807938	4.8	1441119.0	1.225992	Y
10	IC 140-54608/4	16.0	25.247781	4.8	1124520.0	1.577986	N



Calibration

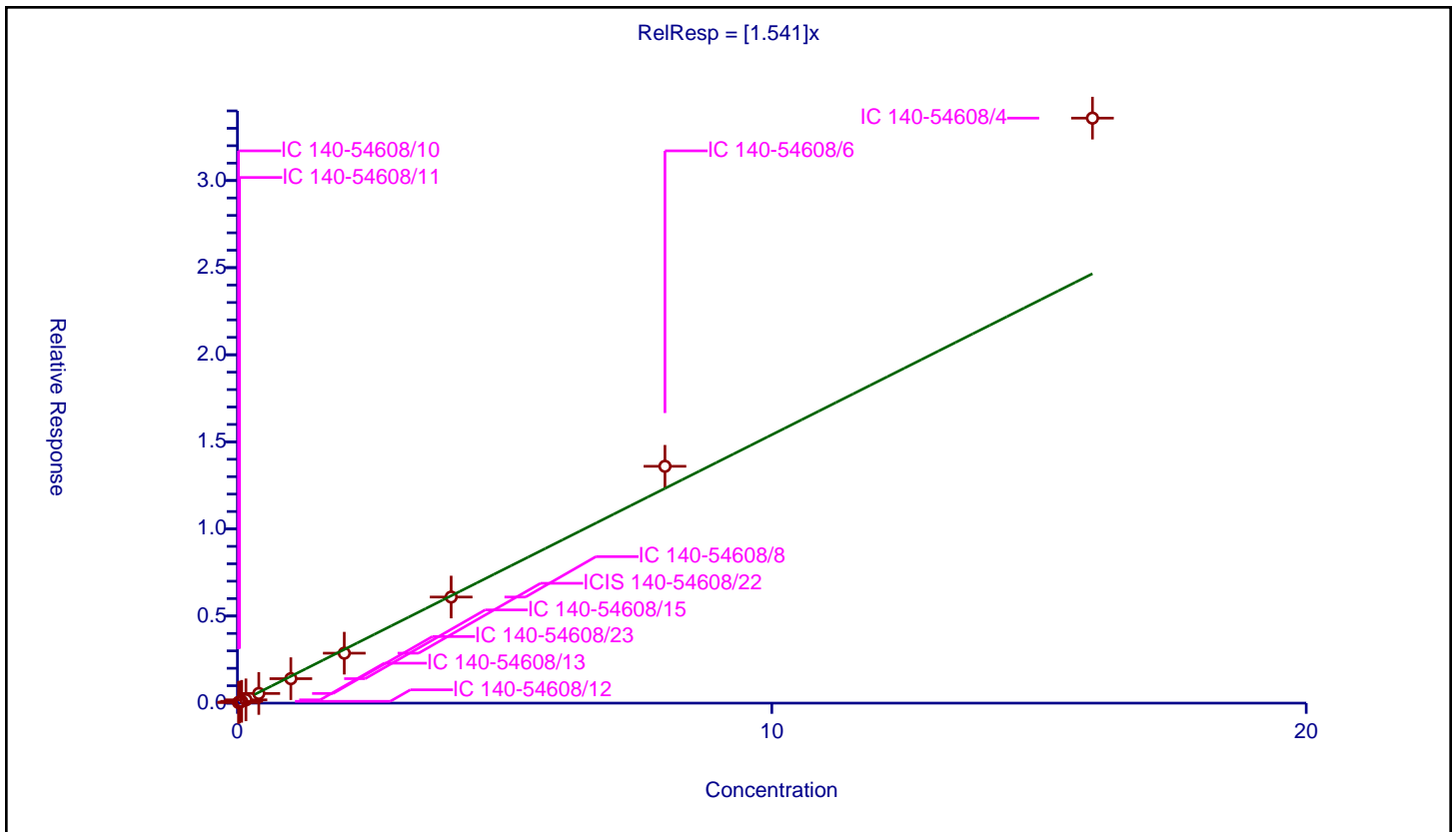
/ 2,3-Dihydroindene

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

Curve Coefficients	
Intercept:	0
Slope:	1.541

Error Coefficients	
Standard Error:	3030000
Relative Standard Error:	17.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.03567	4.8	1400957.0	1.783524	Y
2	IC 140-54608/11	0.04	0.063787	4.8	1271956.0	1.594678	Y
3	IC 140-54608/12	0.08	0.104555	4.8	1182247.0	1.306935	Y
4	IC 140-54608/13	0.16	0.188341	4.8	1146194.0	1.177131	Y
5	IC 140-54608/23	0.4	0.554617	4.8	1307298.0	1.386542	Y
6	IC 140-54608/15	1.0	1.404047	4.8	1200462.0	1.404047	Y
7	ICIS 140-54608/22	2.0	2.867471	4.8	1305409.0	1.433735	Y
8	IC 140-54608/8	4.0	6.091379	4.8	1457627.0	1.522845	Y
9	IC 140-54608/6	8.0	13.596534	4.8	1441119.0	1.699567	Y
10	IC 140-54608/4	16.0	33.584138	4.8	1124520.0	2.099009	Y



Calibration

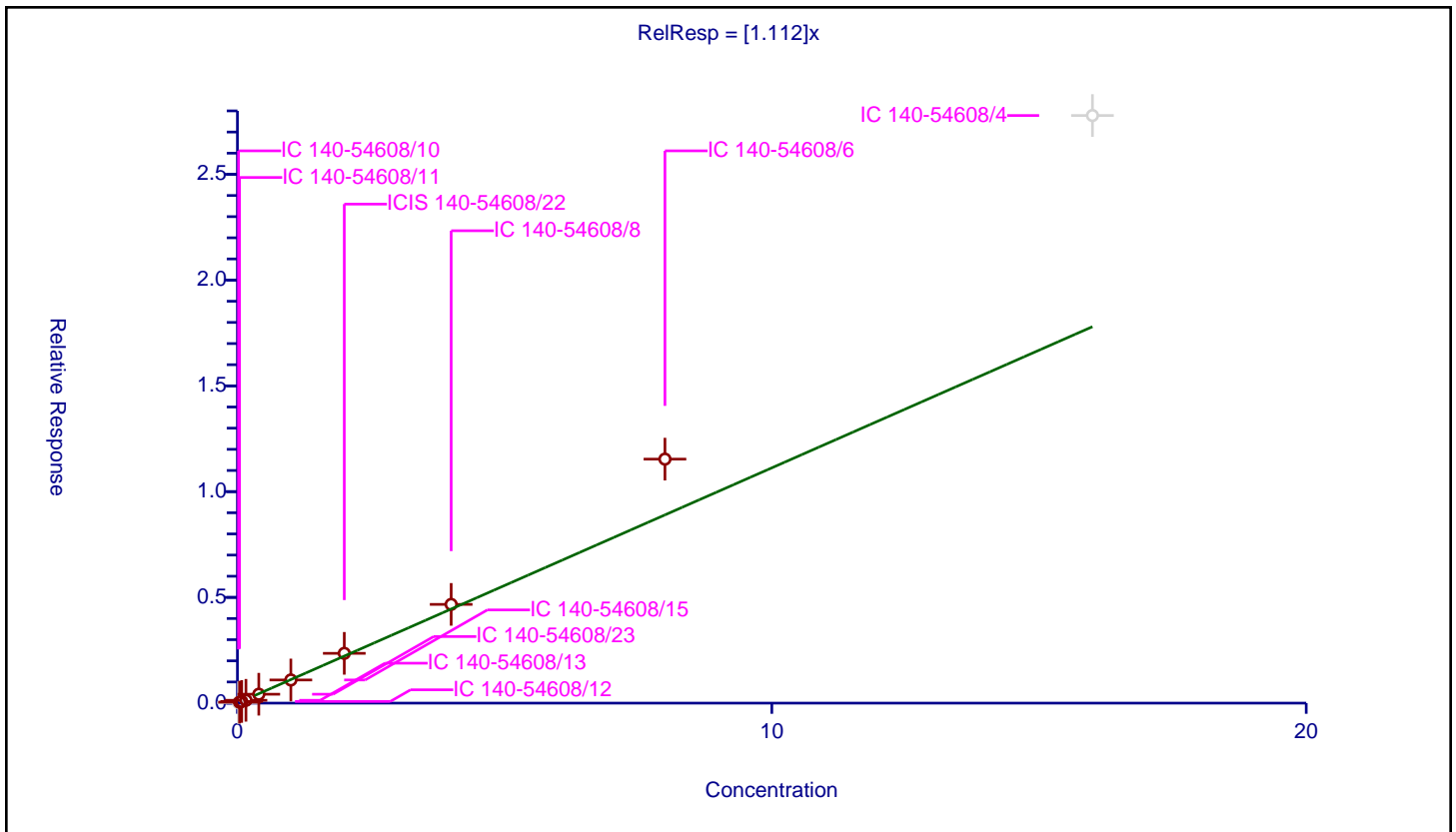
/ Indene

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

Curve Coefficients	
Intercept:	0
Slope:	1.112

Error Coefficients	
Standard Error:	1440000
Relative Standard Error:	15.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.022596	4.8	1400957.0	1.129799	N
2	IC 140-54608/11	0.04	0.045537	4.8	1271956.0	1.138436	Y
3	IC 140-54608/12	0.08	0.079285	4.8	1182247.0	0.991062	Y
4	IC 140-54608/13	0.16	0.133611	4.8	1146194.0	0.835068	Y
5	IC 140-54608/23	0.4	0.421342	4.8	1307298.0	1.053354	Y
6	IC 140-54608/15	1.0	1.094639	4.8	1200462.0	1.094639	Y
7	ICIS 140-54608/22	2.0	2.354043	4.8	1305409.0	1.177021	Y
8	IC 140-54608/8	4.0	4.66824	4.8	1457627.0	1.16706	Y
9	IC 140-54608/6	8.0	11.535779	4.8	1441119.0	1.441972	Y
10	IC 140-54608/4	16.0	27.780749	4.8	1124520.0	1.736297	N



Calibration

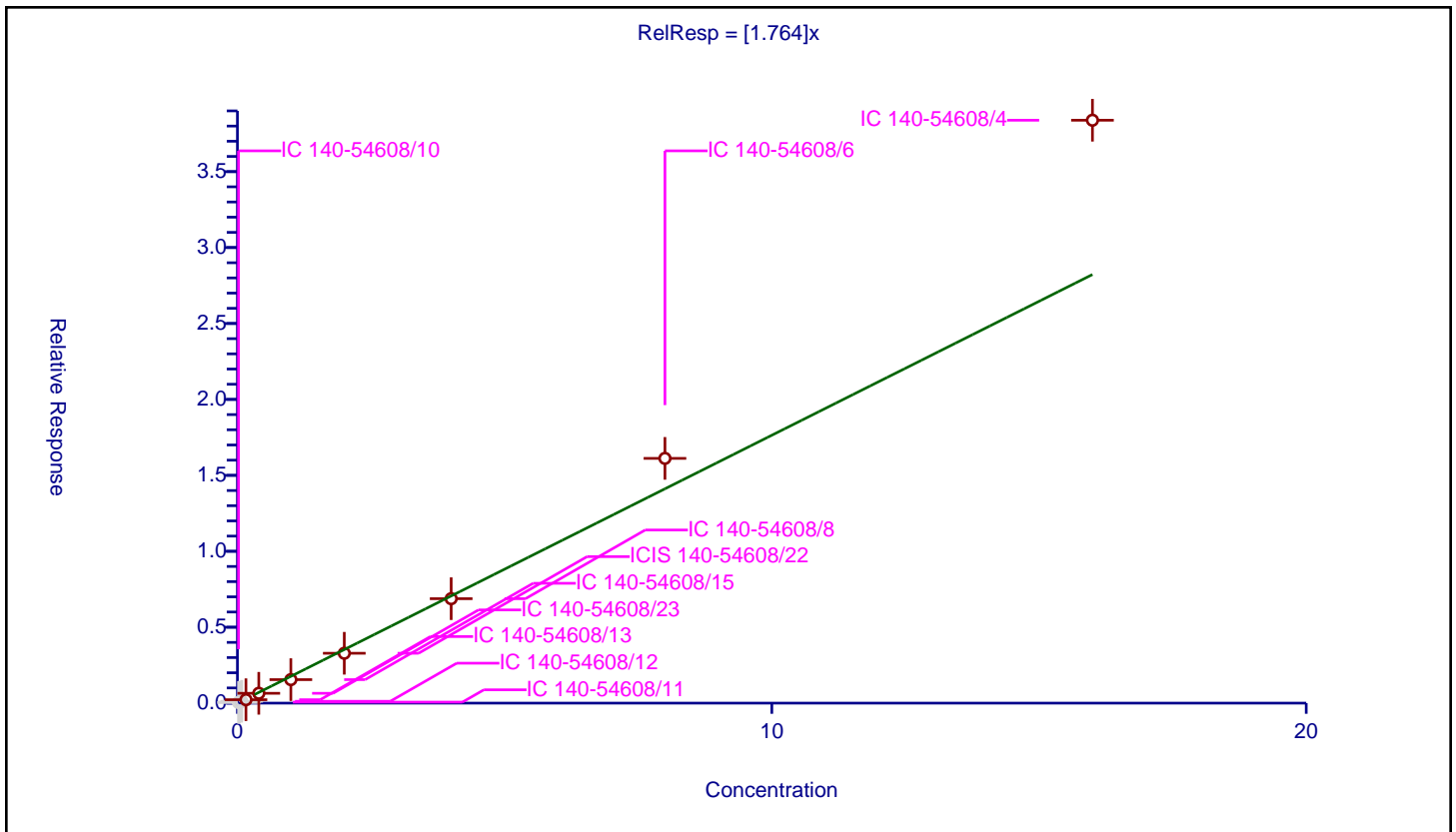
/ n-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.764

Error Coefficients	
Standard Error:	4270000
Relative Standard Error:	19.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.042776	4.8	1400957.0	2.138824	N
2	IC 140-54608/11	0.04	0.068187	4.8	1271956.0	1.704682	N
3	IC 140-54608/12	0.08	0.122484	4.8	1182247.0	1.531051	N
4	IC 140-54608/13	0.16	0.225051	4.8	1146194.0	1.406568	Y
5	IC 140-54608/23	0.4	0.647261	4.8	1307298.0	1.618153	Y
6	IC 140-54608/15	1.0	1.548396	4.8	1200462.0	1.548396	Y
7	ICIS 140-54608/22	2.0	3.283355	4.8	1305409.0	1.641678	Y
8	IC 140-54608/8	4.0	6.877565	4.8	1457627.0	1.719391	Y
9	IC 140-54608/6	8.0	16.117572	4.8	1441119.0	2.014696	Y
10	IC 140-54608/4	16.0	38.384779	4.8	1124520.0	2.399049	Y



Calibration

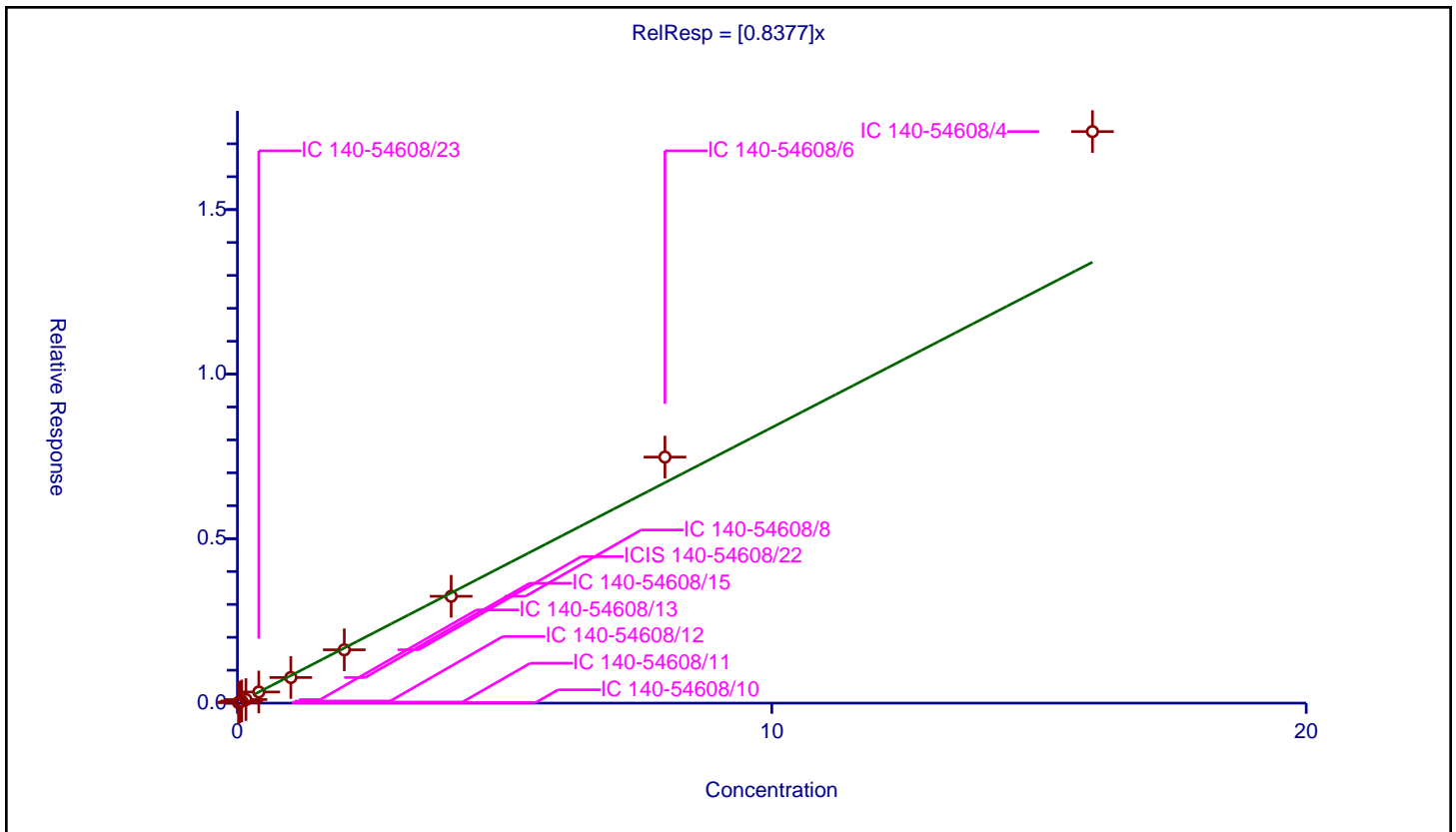
/ Undecane

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

Curve Coefficients	
Intercept:	0
Slope:	0.8377

Error Coefficients	
Standard Error:	1590000
Relative Standard Error:	12.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.015887	4.8	1400957.0	0.794371	Y
2	IC 140-54608/11	0.04	0.033103	4.8	1271956.0	0.827576	Y
3	IC 140-54608/12	0.08	0.064734	4.8	1182247.0	0.809171	Y
4	IC 140-54608/13	0.16	0.108342	4.8	1146194.0	0.677137	Y
5	IC 140-54608/23	0.4	0.339063	4.8	1307298.0	0.847657	Y
6	IC 140-54608/15	1.0	0.778256	4.8	1200462.0	0.778256	Y
7	ICIS 140-54608/22	2.0	1.620682	4.8	1305409.0	0.810341	Y
8	IC 140-54608/8	4.0	3.246849	4.8	1457627.0	0.811712	Y
9	IC 140-54608/6	8.0	7.478392	4.8	1441119.0	0.934799	Y
10	IC 140-54608/4	16.0	17.371166	4.8	1124520.0	1.085698	Y



Calibration

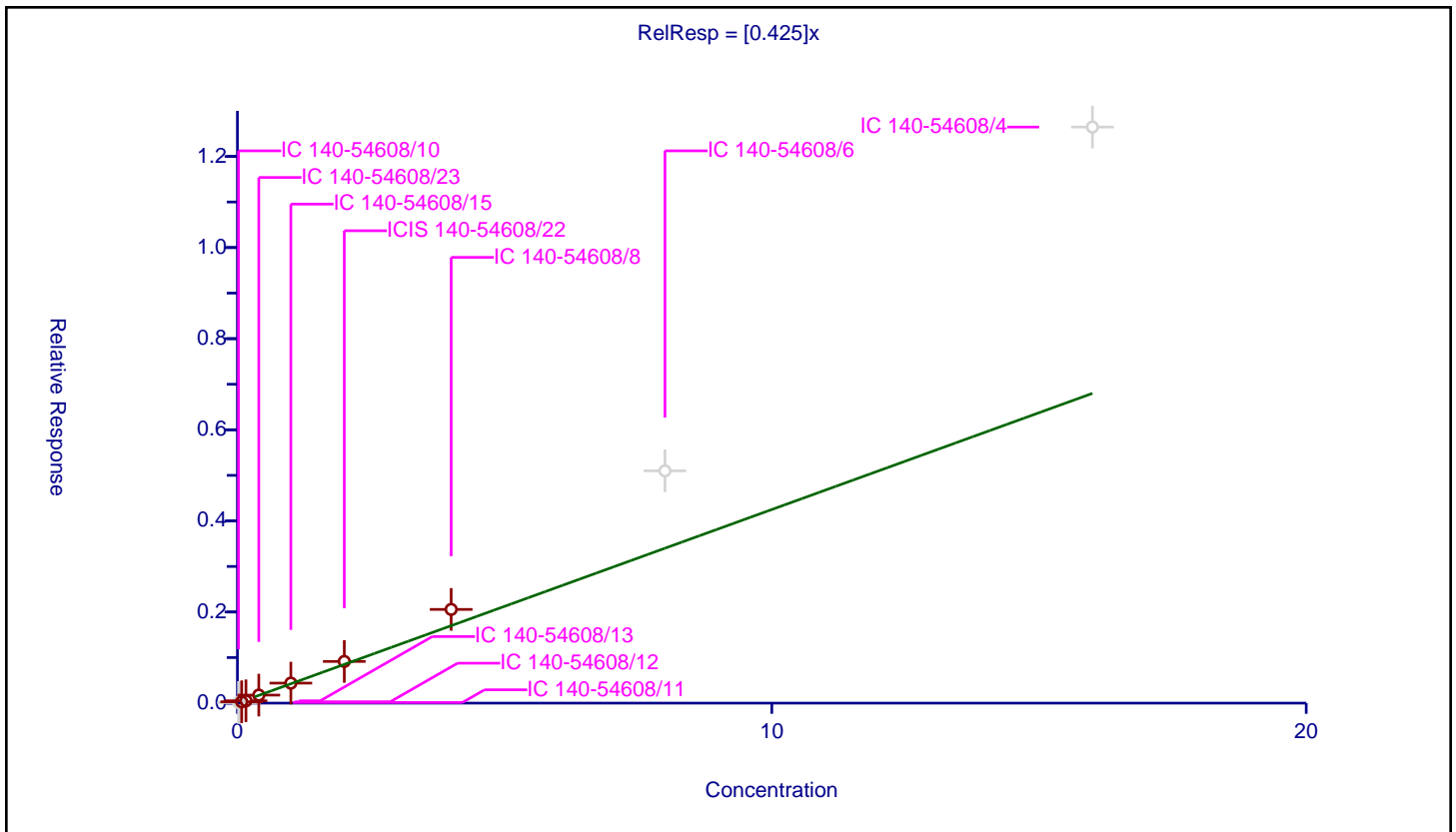
/ 1,2-Dibromo-3-Chloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.425

Error Coefficients	
Standard Error:	306000
Relative Standard Error:	15.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.014757	4.8	1400957.0	0.737838	N
2	IC 140-54608/11	0.04	0.014355	4.8	1271956.0	0.35888	N
3	IC 140-54608/12	0.08	0.030239	4.8	1182247.0	0.377992	Y
4	IC 140-54608/13	0.16	0.051191	4.8	1146194.0	0.319946	Y
5	IC 140-54608/23	0.4	0.176175	4.8	1307298.0	0.440438	Y
6	IC 140-54608/15	1.0	0.439335	4.8	1200462.0	0.439335	Y
7	ICIS 140-54608/22	2.0	0.915432	4.8	1305409.0	0.457716	Y
8	IC 140-54608/8	4.0	2.05727	4.8	1457627.0	0.514318	Y
9	IC 140-54608/6	8.0	5.098861	4.8	1441119.0	0.637358	N
10	IC 140-54608/4	16.0	12.644943	4.8	1124520.0	0.790309	N



Calibration

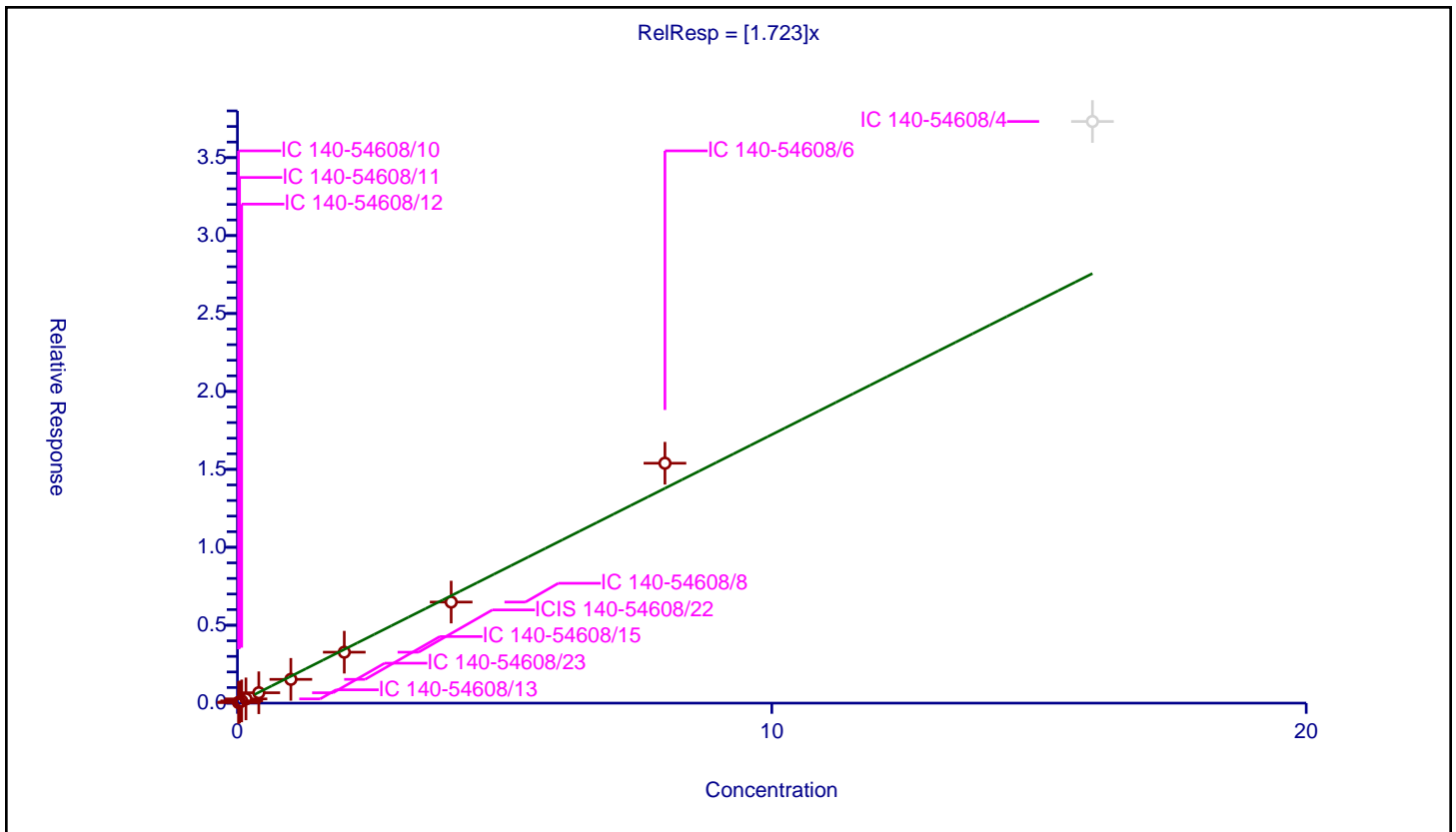
/ 1,2,4,5-Tetramethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.723

Error Coefficients	
Standard Error:	1810000
Relative Standard Error:	7.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.036805	4.8	1400957.0	1.840228	Y
2	IC 140-54608/11	0.04	0.071972	4.8	1271956.0	1.799308	Y
3	IC 140-54608/12	0.08	0.143211	4.8	1182247.0	1.790134	Y
4	IC 140-54608/13	0.16	0.272838	4.8	1146194.0	1.705235	Y
5	IC 140-54608/23	0.4	0.666383	4.8	1307298.0	1.665958	Y
6	IC 140-54608/15	1.0	1.525197	4.8	1200462.0	1.525197	Y
7	ICIS 140-54608/22	2.0	3.268713	4.8	1305409.0	1.634357	Y
8	IC 140-54608/8	4.0	6.484964	4.8	1457627.0	1.621241	Y
9	IC 140-54608/6	8.0	15.393684	4.8	1441119.0	1.924211	Y
10	IC 140-54608/4	16.0	37.32067	4.8	1124520.0	2.332542	N



Calibration

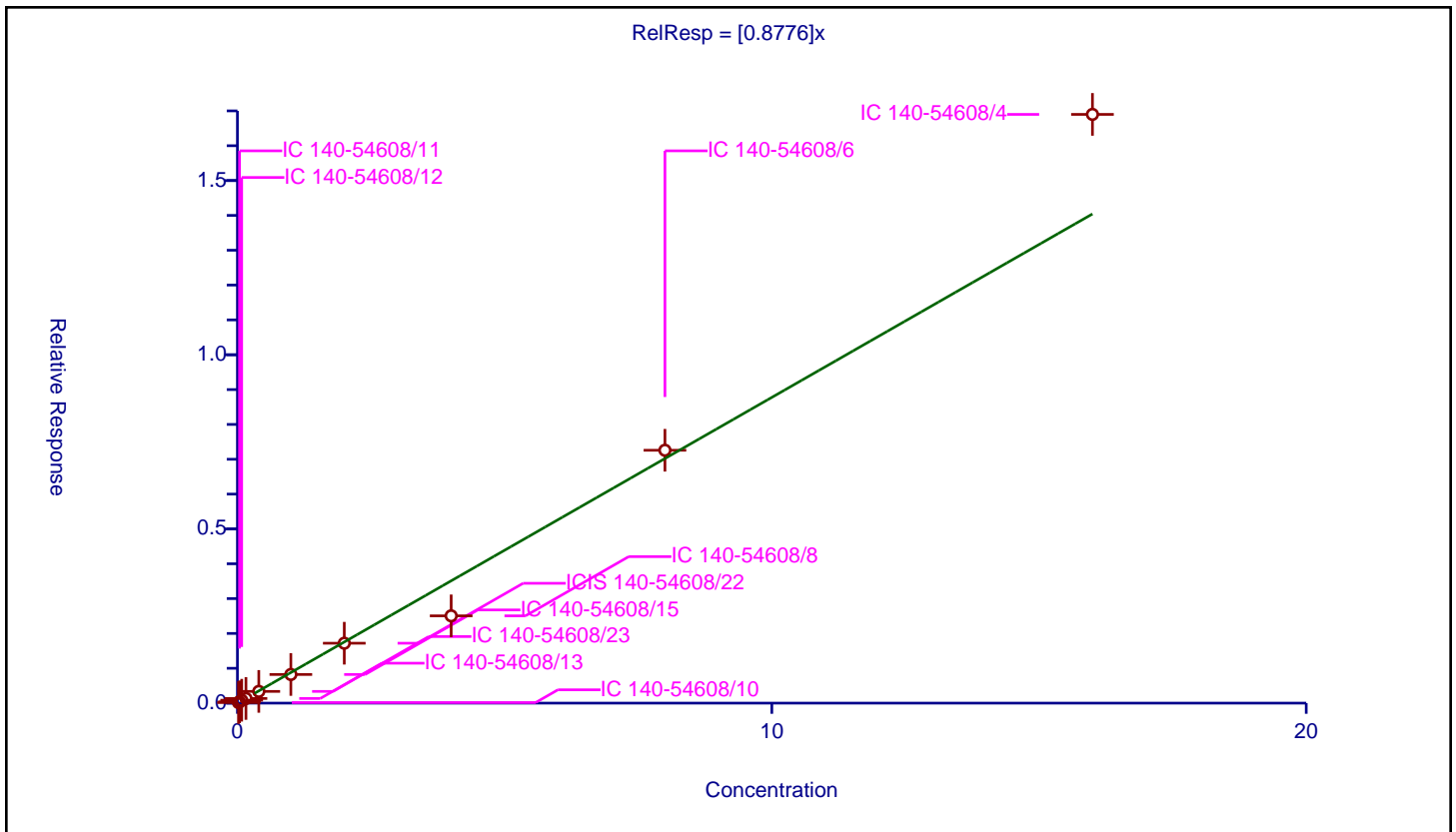
/ Dodecane

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

Curve Coefficients	
Intercept:	0
Slope:	0.8776

Error Coefficients	
Standard Error:	1540000
Relative Standard Error:	14.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.016809	4.8	1400957.0	0.840454	Y
2	IC 140-54608/11	0.04	0.037865	4.8	1271956.0	0.946637	Y
3	IC 140-54608/12	0.08	0.083365	4.8	1182247.0	1.042067	Y
4	IC 140-54608/13	0.16	0.133163	4.8	1146194.0	0.832267	Y
5	IC 140-54608/23	0.4	0.337054	4.8	1307298.0	0.842636	Y
6	IC 140-54608/15	1.0	0.821968	4.8	1200462.0	0.821968	Y
7	ICIS 140-54608/22	2.0	1.719939	4.8	1305409.0	0.85997	Y
8	IC 140-54608/8	4.0	2.505751	4.8	1457627.0	0.626438	Y
9	IC 140-54608/6	8.0	7.258526	4.8	1441119.0	0.907316	Y
10	IC 140-54608/4	16.0	16.899409	4.8	1124520.0	1.056213	Y



Calibration

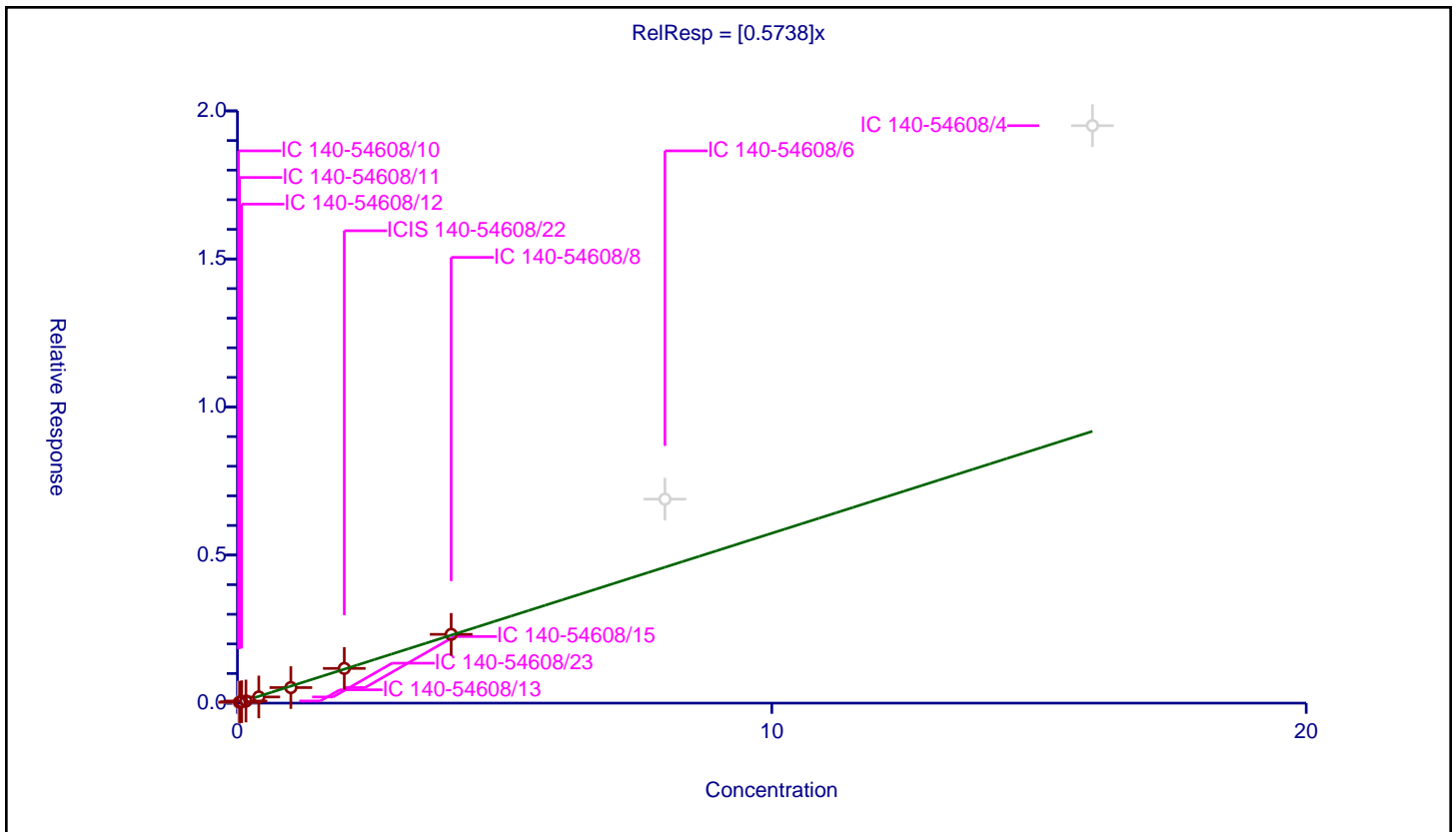
/ 1,2,4-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5738

Error Coefficients	
Standard Error:	321000
Relative Standard Error:	16.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.030137	4.8	1400957.0	1.506856	N
2	IC 140-54608/11	0.04	0.030141	4.8	1271956.0	0.753517	Y
3	IC 140-54608/12	0.08	0.048351	4.8	1182247.0	0.604391	Y
4	IC 140-54608/13	0.16	0.071448	4.8	1146194.0	0.446547	Y
5	IC 140-54608/23	0.4	0.208292	4.8	1307298.0	0.520729	Y
6	IC 140-54608/15	1.0	0.524442	4.8	1200462.0	0.524442	Y
7	ICIS 140-54608/22	2.0	1.171969	4.8	1305409.0	0.585985	Y
8	IC 140-54608/8	4.0	2.322951	4.8	1457627.0	0.580738	Y
9	IC 140-54608/6	8.0	6.888111	4.8	1441119.0	0.861014	N
10	IC 140-54608/4	16.0	19.500715	4.8	1124520.0	1.218795	N



Calibration

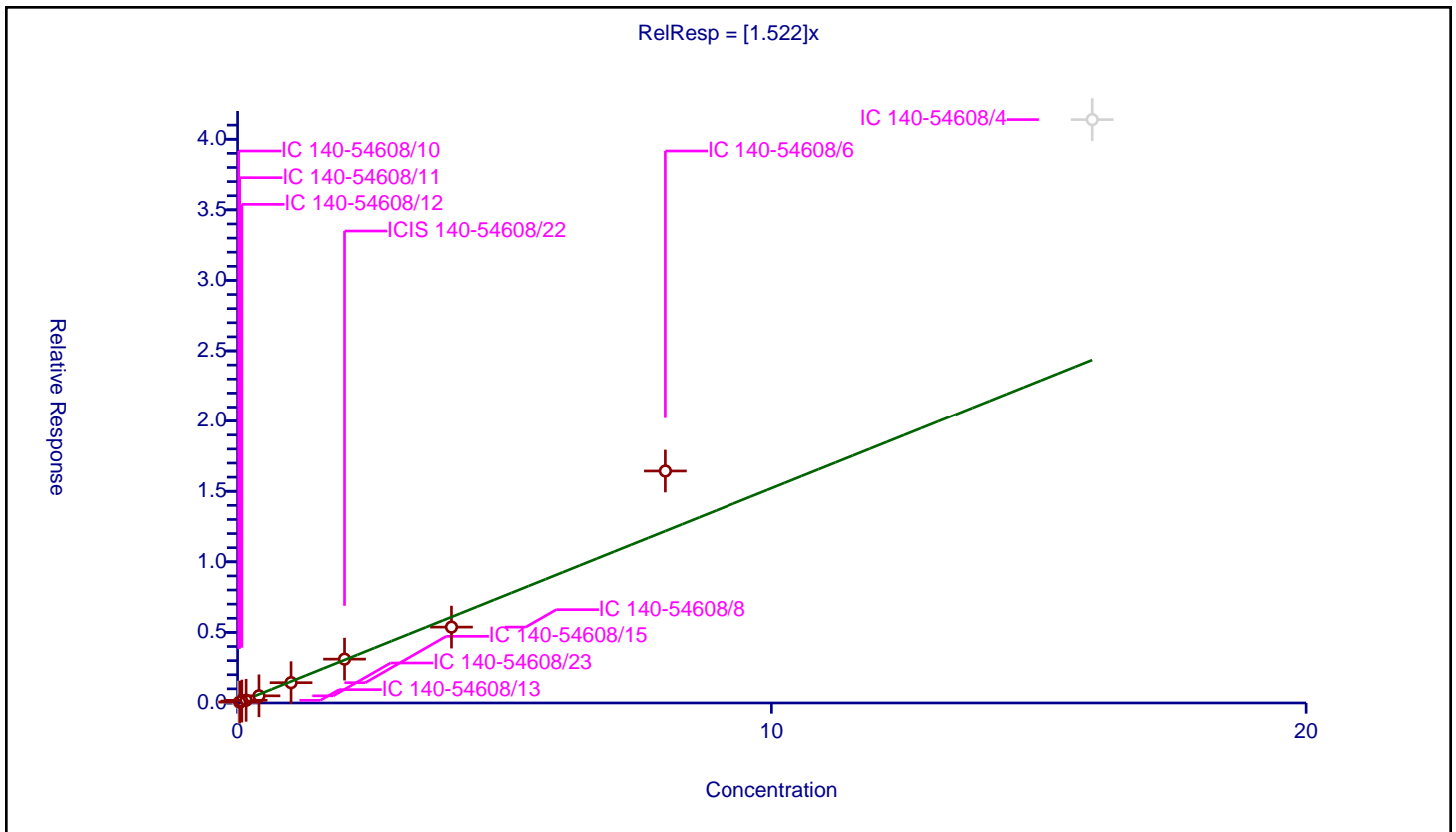
/ Naphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	1.522

Error Coefficients	
Standard Error:	2000000
Relative Standard Error:	18.4
Correlation Coefficient:	0.972
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.058972	4.8	1400957.0	2.948613	N
2	IC 140-54608/11	0.04	0.065689	4.8	1271956.0	1.642227	Y
3	IC 140-54608/12	0.08	0.135736	4.8	1182247.0	1.696701	Y
4	IC 140-54608/13	0.16	0.18899	4.8	1146194.0	1.181187	Y
5	IC 140-54608/23	0.4	0.507638	4.8	1307298.0	1.269094	Y
6	IC 140-54608/15	1.0	1.438402	4.8	1200462.0	1.438402	Y
7	ICIS 140-54608/22	2.0	3.106127	4.8	1305409.0	1.553064	Y
8	IC 140-54608/8	4.0	5.373664	4.8	1457627.0	1.343416	Y
9	IC 140-54608/6	8.0	16.436091	4.8	1441119.0	2.054511	Y
10	IC 140-54608/4	16.0	41.391023	4.8	1124520.0	2.586939	N



Calibration

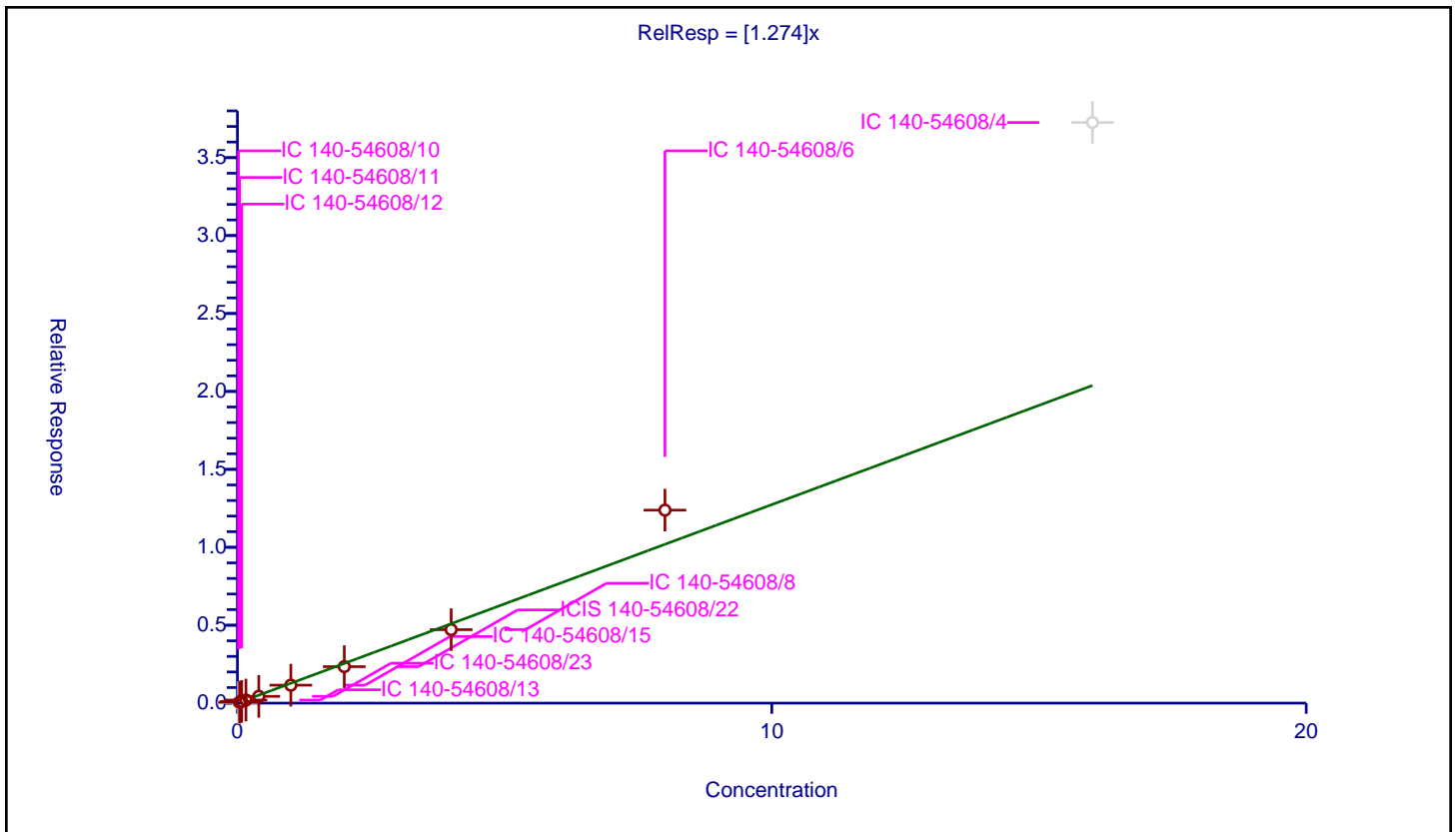
/ Hexachlorobutadiene

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

Curve Coefficients	
Intercept:	0
Slope:	1.274

Error Coefficients	
Standard Error:	1530000
Relative Standard Error:	13.1
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.033711	4.8	1400957.0	1.685534	N
2	IC 140-54608/11	0.04	0.058798	4.8	1271956.0	1.469957	Y
3	IC 140-54608/12	0.08	0.109126	4.8	1182247.0	1.36408	Y
4	IC 140-54608/13	0.16	0.194987	4.8	1146194.0	1.218668	Y
5	IC 140-54608/23	0.4	0.435357	4.8	1307298.0	1.088391	Y
6	IC 140-54608/15	1.0	1.15206	4.8	1200462.0	1.15206	Y
7	ICIS 140-54608/22	2.0	2.340835	4.8	1305409.0	1.170418	Y
8	IC 140-54608/8	4.0	4.713805	4.8	1457627.0	1.178451	Y
9	IC 140-54608/6	8.0	12.382608	4.8	1441119.0	1.547826	Y
10	IC 140-54608/4	16.0	37.255704	4.8	1124520.0	2.328481	N



Calibration

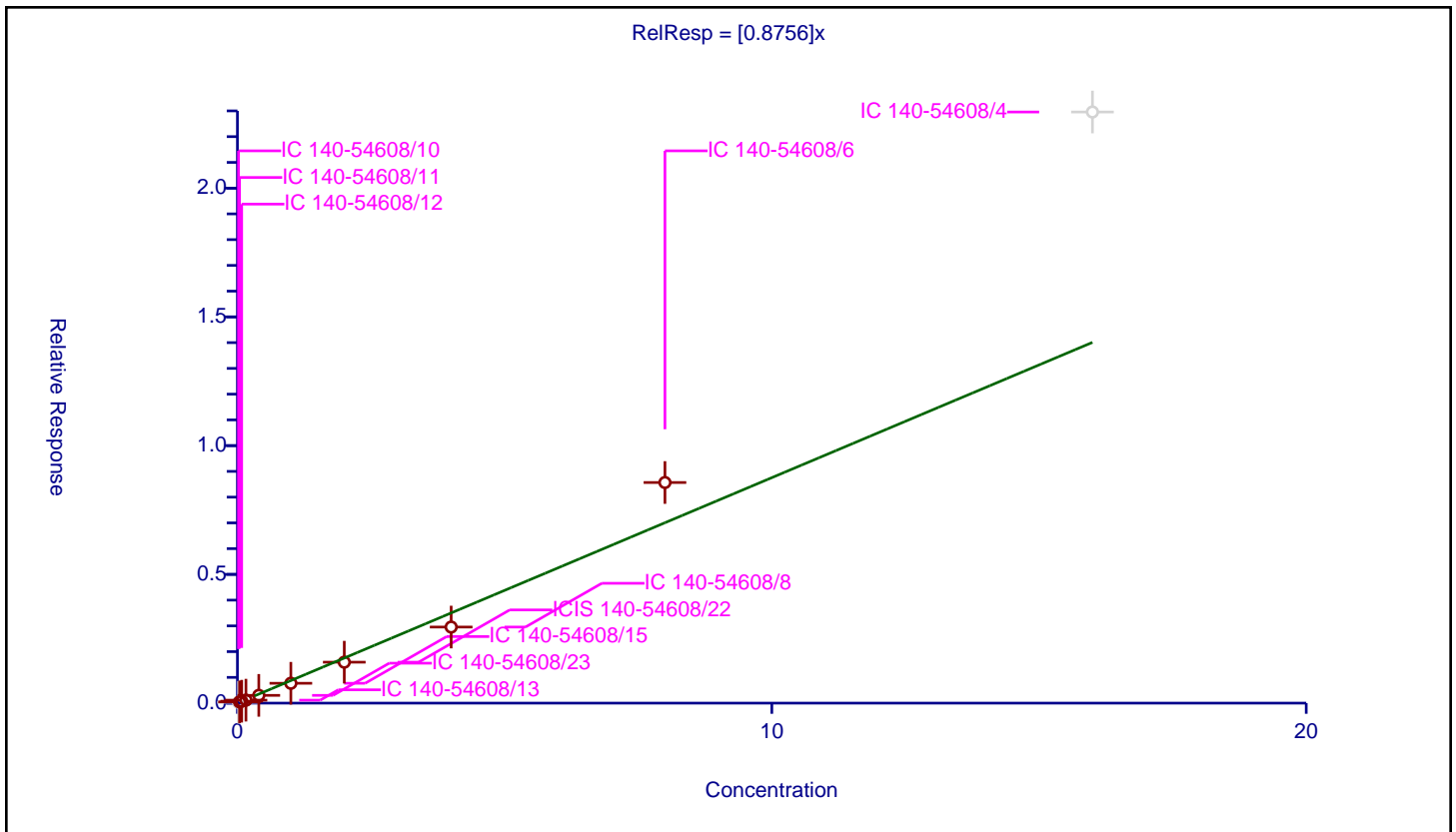
/ 1,2,3-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8756

Error Coefficients	
Standard Error:	1050000
Relative Standard Error:	20.7
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.931

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.02	0.033916	4.8	1400957.0	1.695812	N
2	IC 140-54608/11	0.04	0.048515	4.8	1271956.0	1.212872	Y
3	IC 140-54608/12	0.08	0.075067	4.8	1182247.0	0.938332	Y
4	IC 140-54608/13	0.16	0.1157	4.8	1146194.0	0.723124	Y
5	IC 140-54608/23	0.4	0.301714	4.8	1307298.0	0.754286	Y
6	IC 140-54608/15	1.0	0.771127	4.8	1200462.0	0.771127	Y
7	ICIS 140-54608/22	2.0	1.590641	4.8	1305409.0	0.79532	Y
8	IC 140-54608/8	4.0	2.954178	4.8	1457627.0	0.738544	Y
9	IC 140-54608/6	8.0	8.567729	4.8	1441119.0	1.070966	Y
10	IC 140-54608/4	16.0	22.957012	4.8	1124520.0	1.434813	N



Calibration

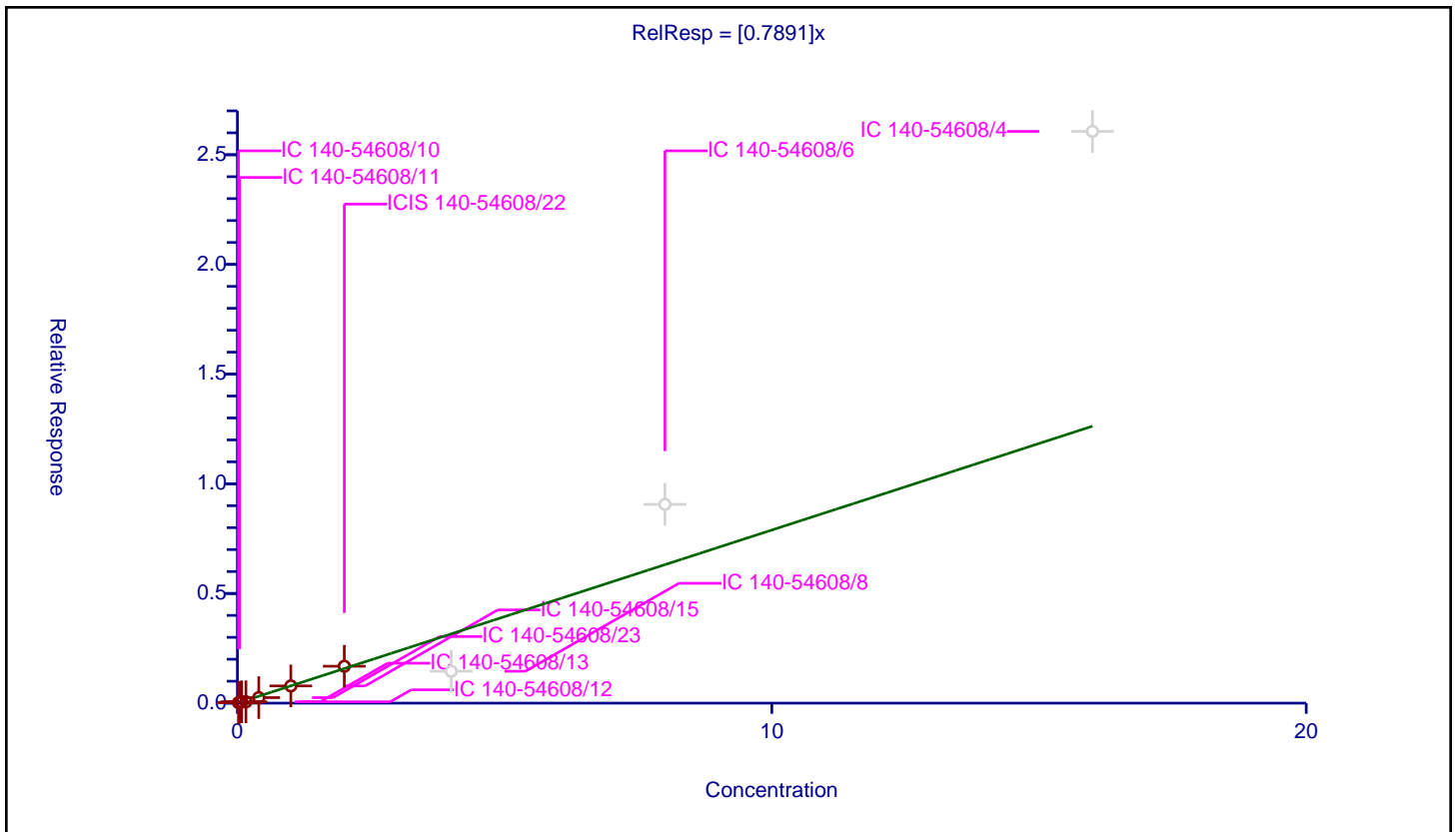
/ 2-Methylnaphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7891

Error Coefficients	
Standard Error:	205000
Relative Standard Error:	32.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.790

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.020001	0.024292	4.8	1400957.0	1.214538	Y
2	IC 140-54608/11	0.040002	0.036397	4.8	1271956.0	0.909892	Y
3	IC 140-54608/12	0.080004	0.060812	4.8	1182247.0	0.760108	Y
4	IC 140-54608/13	0.160008	0.061116	4.8	1146194.0	0.381958	Y
5	IC 140-54608/23	0.40002	0.252367	4.8	1307298.0	0.630885	Y
6	IC 140-54608/15	1.00005	0.785078	4.8	1200462.0	0.785039	Y
7	ICIS 140-54608/22	2.0001	1.682581	4.8	1305409.0	0.841248	Y
8	IC 140-54608/8	4.000199	1.453939	4.8	1457627.0	0.363467	N
9	IC 140-54608/6	8.000399	9.061412	4.8	1441119.0	1.13262	N
10	IC 140-54608/4	16.000797	26.06556	4.8	1124520.0	1.629016	N



Calibration

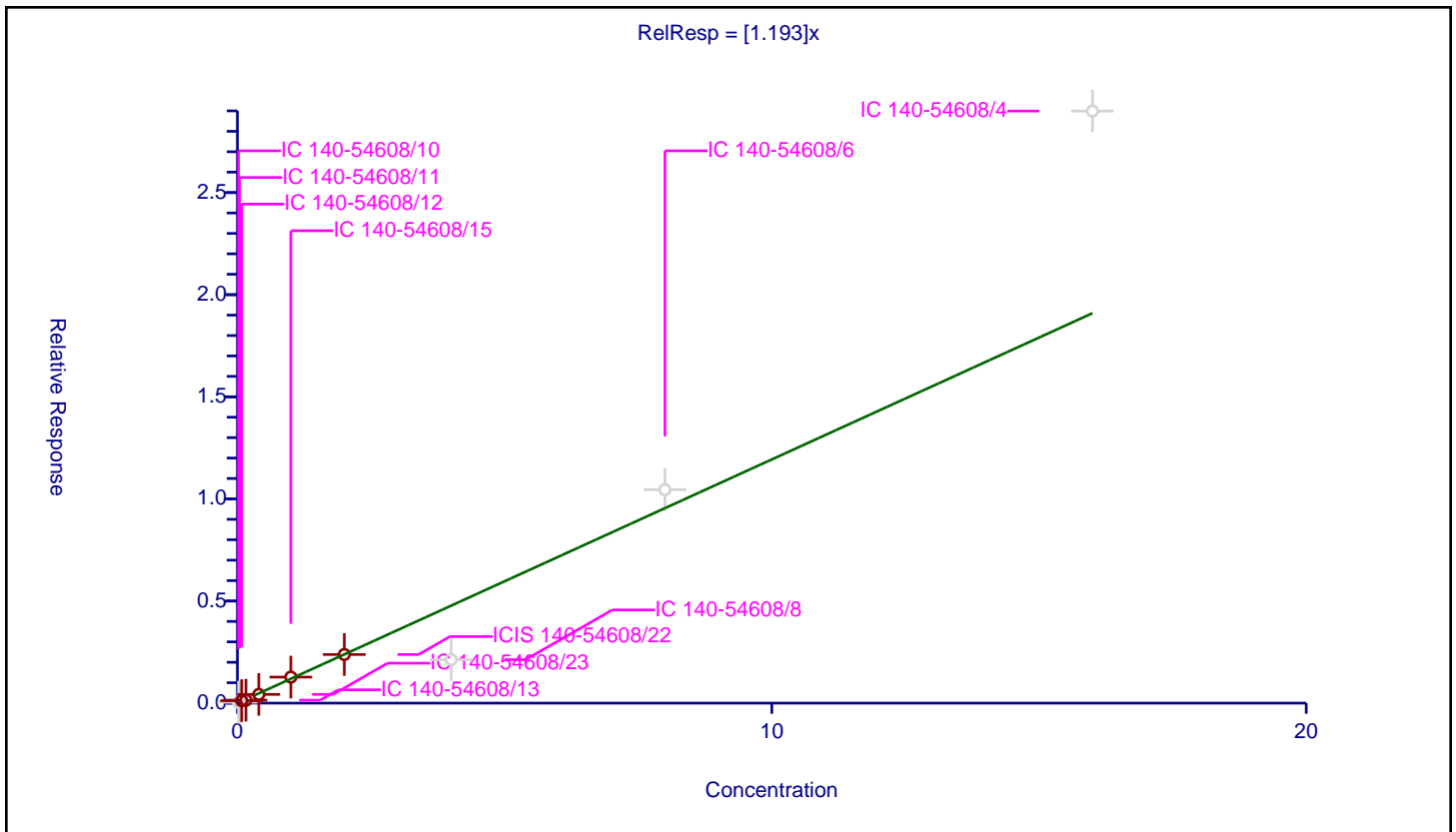
/ 1-Methylnaphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	1.193

Error Coefficients	
Standard Error:	366000
Relative Standard Error:	19.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.932

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54608/10	0.020001	0.04083	4.8	1400957.0	2.041417	N
2	IC 140-54608/11	0.040002	0.070131	4.8	1271956.0	1.753181	N
3	IC 140-54608/12	0.080004	0.12181	4.8	1182247.0	1.52255	Y
4	IC 140-54608/13	0.160008	0.14573	4.8	1146194.0	0.910769	Y
5	IC 140-54608/23	0.40002	0.426904	4.8	1307298.0	1.067208	Y
6	IC 140-54608/15	1.00005	1.275213	4.8	1200462.0	1.27515	Y
7	ICIS 140-54608/22	2.0001	2.381341	4.8	1305409.0	1.190611	Y
8	IC 140-54608/8	4.000199	2.12594	4.8	1457627.0	0.531458	N
9	IC 140-54608/6	8.000399	10.452724	4.8	1441119.0	1.306525	N
10	IC 140-54608/4	16.000797	28.992372	4.8	1124520.0	1.811933	N



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-54194/9	SI25IC01.D
Level 2	IC 140-54194/10	SI25IC02.D
Level 3	IC 140-54194/11	SI25IC03.D
Level 4	IC 140-54194/12	SI25IC04.D
Level 5	IC 140-54194/13	SI25IC05.D
Level 6	IC 140-54194/14	SI25IC06.D
Level 7	ICIS 140-54194/15	SI25IC07.D
Level 8	IC 140-54194/7	SI25IC08.D
Level 9	IC 140-54194/5	SI25C09.D
Level 10	IC 140-54194/3	SI25C10.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	++++ 2.8017	++++ 2.7859	2.8189 2.6004	3.1168 2.4106	2.8088 2.4723	Ave		2.726 9			8.3		30.0				
Propene	++++ 1.3568	++++ 1.3174	++++ 1.2258	1.2957 1.1276	1.3541 1.1443	Ave		1.260 2			7.6		30.0				
Dichlorodifluoromethane	++++ 4.0563	4.3259 4.1519	3.9734 3.4556	3.9004 3.5325	3.8786 3.3501	Ave		3.847 2			8.6		30.0				
Chloromethane	++++ 0.3958	++++ 0.3653	++++ 0.3219	0.3941 0.2745	0.4304 0.2652	Ave		0.349 6			18.2		30.0				
1,2-Dichlorotetrafluoroethane	2.7412 2.5811	2.5309 2.5410	2.3407 2.2457	2.4199 2.0885	2.4871 2.0710	Ave		2.404 7			9.1		30.0				
Vinyl chloride	1.4194 1.2321	1.5158 1.2411	1.1951 1.0735	1.2451 0.9587	1.1610 0.9552	Ave		1.199 7			14.9		30.0				
Butane	++++ 1.7175	2.3211 1.7243	1.8678 1.4608	1.6453 1.2724	1.6665 1.2550	Ave		1.659 0			19.6		30.0				
1,3-Butadiene	++++ 1.0050	++++ 0.9599	1.0281 0.8198	0.9586 0.7391	0.9357 0.7299	Ave		0.897 0			13.1		30.0				
Bromomethane	++++ 1.1347	++++ 1.1621	1.2547 0.9930	1.2003 0.9115	1.1359 0.9350	Ave		1.090 9			11.7		30.0				
Chloroethane	++++ 0.5024	++++ 0.4768	0.4519 0.4089	0.5501 0.3729	0.4926 0.3786	Ave		0.454 3			13.9		30.0				
Ethanol	++++ 0.4546	++++ 0.4716	++++ 0.3732	0.4473 0.3282	0.4377 0.3265	Ave		0.405 6			15.2		30.0				
Vinyl bromide	1.3247 1.3368	1.3086 1.3204	1.3227 1.2758	1.2205 1.2081	1.2716 1.2435	Ave		1.283 3			3.6		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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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-Methylbutane	++++ 2.0326	++++ 1.9726	++++ 1.8415	1.9549 1.7116	1.9683 1.7239	Ave		1.886 5			6.8		30.0				
Trichlorofluoromethane	3.6357 3.9300	4.0253 3.9033	3.6733 3.7230	3.7667 3.4933	3.6954 3.6089	Ave		3.745 5			4.4		30.0				
Acrolein	++++ 0.4879	++++ 0.5649	++++ 0.4433	++++ 0.4801	0.5520 0.4880	Ave		0.502 7			9.2		30.0				
Acetonitrile	++++ 0.7623	++++ 0.7455	++++ 0.6757	0.6193 0.6210	0.7338 0.6327	Ave		0.684 3			9.1		30.0				
Acetone	++++ 0.8861	++++ 0.7788	++++ 0.7404	++++ 0.6684	1.3078 0.6804	Ave		0.843 7			28.5		30.0				
Isopropyl alcohol	++++ 2.1596	++++ 2.2737	2.2682 2.1463	2.0704 1.9769	2.1924 1.9353	Ave		2.127 8			5.9		30.0				
Pentane	++++ 0.1676	++++ 0.1762	++++ 0.1656	0.1611 0.1561	0.1654 0.1531	Ave		0.163 6			4.7		30.0				
Ethyl ether	++++ 1.7821	++++ 1.7686	1.7390 1.6877	1.7515 1.5243	1.7736 1.5493	Ave		1.697 0			6.1		30.0				
1,1-Dichloroethene	++++ 1.3961	1.6112 1.3707	1.3475 1.3218	1.3056 1.2536	1.3774 1.2964	Ave		1.364 5			7.5		30.0				
t-Butyl alcohol	++++ 2.3671	++++ 2.5241	2.4552 2.3962	2.3584 2.2223	2.4606 2.3243	Ave		2.388 5			3.9		30.0				
Acrylonitrile	++++ 1.2409	++++ 1.2068	++++ 1.1430	1.3061 1.0704	1.2130 1.1013	Ave		1.183 1			7.0		30.0				
1,1,2-Trichlorotrifluoroethane	++++ 3.0410	++++ 2.9884	2.8030 2.8885	2.9249 2.7181	2.9852 2.7973	Ave		2.893 3			3.9		30.0				
Methylene Chloride	++++ 1.4160	++++ 1.3846	1.9621 1.2891	1.7240 1.1900	1.4190 1.2256	Ave		1.451 3			18.2		30.0				
3-Chloropropene	++++ 1.4533	++++ 1.5812	2.3162 1.4762	1.6127 1.3338	1.4802 1.3721	Ave		1.578 2			19.8		30.0				
Carbon disulfide	++++ 4.3892	++++ 4.3508	++++ 4.2561	4.2243 3.9915	4.2136 4.1471	Ave		4.224 7			3.1		30.0				
trans-1,2-Dichloroethene	++++ 1.3732	++++ 1.3823	1.3639 1.3398	1.4168 1.2749	1.3301 1.3364	Ave		1.352 2			3.1		30.0				
2-Methylpentane	++++ 3.9939	++++ 3.9665	3.9797 3.6783	4.0248 3.3783	3.9090 3.3951	Ave		3.790 7			7.2		30.0				
Methyl tert-butyl ether	++++ 3.6782	++++ 3.7257	3.6112 3.6630	3.4853 3.4344	3.5103 3.5615	Ave		3.583 7			2.9		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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	++++ 2.9509	++++ 2.9677	3.0008 2.7971	2.7154 2.6386	2.8488 2.7140	Ave		2.829 2			4.8		30.0				
Vinyl acetate	++++ 4.0489	++++ 4.2019	++++ 4.0088	3.6987 3.9198	3.8163 4.1806	Ave		3.982 1			4.6		30.0				
2-Butanone	++++ 0.7431	++++ 0.7425	++++ 0.7231	0.8441 0.6653	0.8889 0.6891	Ave		0.756 6			10.7		30.0				
Hexane	++++ 1.2891	++++ 1.2656	1.2398 1.2013	1.2430 1.1226	1.2321 1.1504	Ave		1.218 0			4.7		30.0				
cis-1,2-Dichloroethene	++++ 1.4723	1.7705 1.4698	1.5180 1.4243	1.4743 1.3292	1.4036 1.4016	Ave		1.473 7			8.4		30.0				
Ethyl acetate	++++ 3.8412	++++ 3.9286	4.0100 3.7223	3.8598 3.4900	3.7536 3.6174	Ave		3.777 9			4.5		30.0				
Chloroform	++++ 3.4383	++++ 3.4541	3.5606 3.2912	3.3339 3.0746	3.3586 3.2181	Ave		3.341 2			4.5		30.0				
Tetrahydrofuran	++++ 1.9580	++++ 1.9670	++++ 1.8269	1.8355 1.7147	1.9140 1.7640	Ave		1.854 3			5.2		30.0				
1,1,1-Trichloroethane	++++ 3.0606	3.1525 3.1550	3.0653 3.0589	2.9159 2.9406	2.9729 3.1025	Ave		3.047 1			2.9		30.0				
1,2-Dichloroethane	++++ 0.4562	++++ 0.4372	0.4586 0.4307	0.4510 0.4085	0.4305 0.4347	Ave		0.438 4			3.8		30.0				
1-Butanol	++++ 0.1019	++++ 0.1062	++++ 0.1053	0.1029 0.1071	0.1027 0.1108	Ave		0.105 3			3.0		30.0				
Benzene	++++ 0.9031	++++ 0.8797	0.9385 0.8728	0.8940 0.8338	0.8636 0.8769	Ave		0.882 8			3.5		30.0				
Cyclohexane	++++ 0.1467	0.1374 0.1414	0.1345 0.1370	0.1358 0.1338	0.1389 0.1357	Ave		0.137 9			2.9		30.0				
Carbon tetrachloride	0.3220 0.3918	0.3930 0.5044	0.3587 0.4890	0.3188 0.5258	0.4607 0.5807	Ave		0.434 5			20.8		30.0				
2,3-Dimethylpentane	++++ 0.1933	0.1880 0.1872	0.1954 0.1847	0.1681 0.1755	0.1771 0.1873	Ave		0.184 0			4.8		30.0				
Thiophene	++++ 0.4985	0.4632 0.4818	0.4254 0.4892	0.4687 0.4626	0.4551 0.4945	Ave		0.471 0			4.9		30.0				
2,2,4-Trimethylpentane	1.5752 1.6202	1.5855 1.5571	1.4640 1.5535	1.4969 1.4662	1.5108 1.5579	Ave		1.538 7			3.4		30.0				
Heptane	++++ 0.3044	0.2977 0.2873	0.2603 0.2867	0.2876 0.2736	0.2811 0.2923	Ave		0.285 7			4.6		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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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												
1,2-Dichloropropane	++++ 0.3820	++++ 0.3715	0.3723 0.3639	0.3548 0.3451	0.3688 0.3651	Ave	0.365 4				3.1	30.0					
Trichloroethene	0.4162 0.3109	0.3594 0.3022	0.3104 0.3056	0.2872 0.2969	0.3064 0.3239	Ave	0.321 9				11.9	30.0					
Dibromomethane	++++ 0.3725	++++ 0.3603	0.3682 0.3658	0.3622 0.3478	0.3550 0.3709	Ave	0.362 8				2.3	30.0					
Bromodichloromethane	++++ 0.6211	++++ 0.6233	0.5478 0.6425	0.5267 0.6240	0.5527 0.6694	Ave	0.600 9				8.6	30.0					
1,4-Dioxane	++++ 0.1200	++++ 0.1292	++++ 0.1254	0.1264 0.1226	0.1163 0.1276	Ave	0.123 9				3.7	30.0					
Methyl methacrylate	++++ 0.4394	++++ 0.4370	0.4338 0.4274	0.4033 0.4098	0.4157 0.4314	Ave	0.424 7				3.2	30.0					
Methylcyclohexane	++++ 0.5282	0.5226 0.5176	0.4696 0.5301	0.4928 0.4987	0.5056 0.5403	Lin1 F	0.525 8						0.9990		0.9900		
4-Methyl-2-pentanone (MIBK)	++++ 0.8022	++++ 0.8023	0.7867 0.7758	0.7345 0.7379	0.7529 0.7764	Ave	0.771 1				3.5	30.0					
cis-1,3-Dichloropropene	++++ 0.4807	0.4471 0.4823	0.4165 0.4937	0.4200 0.4841	0.4296 0.5283	Ave	0.464 7				8.2	30.0					
trans-1,3-Dichloropropene	++++ 0.4782	0.4599 0.4961	0.4962 0.4958	0.3967 0.4937	0.4280 0.5371	Ave	0.475 7				8.8	30.0					
Toluene	++++ 1.2237	++++ 1.2022	1.4073 1.1587	1.2818 1.1107	1.1880 1.1919	Ave	1.220 5				7.4	30.0					
1,1,2-Trichloroethane	++++ 0.4014	++++ 0.3943	0.4249 0.3788	0.3881 0.3652	0.3873 0.3807	Ave	0.390 1				4.5	30.0					
2-Hexanone	++++ 0.4150	++++ 0.4182	0.4155 0.4060	0.3624 0.3919	0.3800 0.4170	Ave	0.400 8				5.2	30.0					
Octane	++++ 0.3277	++++ 0.3172	0.2953 0.3147	0.2921 0.3010	0.3049 0.3165	Ave	0.308 7				4.0	30.0					
C8 Range	++++ 3.2998	++++ 3.1647	++++ 3.0811	++++ 2.8768	3.4168 2.9765	Ave	3.135 9				6.4	30.0					
Dibromochloromethane	++++ 0.5438	++++ 0.5856	0.4566 0.6050	0.4331 0.6083	0.4816 0.6586	Ave	0.546 6				14.9	30.0					
1,2-Dibromoethane	++++ 0.5983	++++ 0.6110	0.6064 0.5932	0.5602 0.5852	0.5628 0.6275	Ave	0.593 1				3.9	30.0					
Tetrachloroethene	++++ 0.3957	0.3865 0.3813	0.3959 0.3727	0.3656 0.3569	0.3601 0.3766	Ave	0.376 8				3.8	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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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												
Chlorobenzene	++++ 0.8280	++++ 0.8266	0.9325 0.7994	0.8289 0.7813	0.8097 0.8145	Ave		0.827 6			5.5		30.0				
Ethylbenzene	++++ 1.5748	++++ 1.5642	1.6232 1.5016	1.5091 1.4732	1.4762 1.5520	Ave		1.534 3			3.4		30.0				
m-Xylene & p-Xylene	++++ 1.2698	1.5444 1.2585	1.3391 1.2103	1.2244 1.1674	1.2079 1.2073	Ave		1.269 9			9.0		30.0				
Nonane	0.8748 0.9014	0.8661 0.8864	0.8533 0.8474	0.7932 0.8009	0.8421 0.8209	Ave		0.848 6			4.2		30.0				
Bromoform	++++ 0.6027	++++ 0.6994	0.4405 0.7617	0.4262 0.8301	0.4837 0.8857	Ave		0.641 2			28.0		30.0				
Styrene	0.7862 0.7891	0.7756 0.8163	0.7633 0.8028	0.6708 0.8067	0.6718 0.8111	Ave		0.769 4			7.0		30.0				
o-Xylene	++++ 1.3159	++++ 1.3045	1.4358 1.2418	1.2724 1.1890	1.2344 1.2655	Ave		1.282 4			5.8		30.0				
1,1,2,2-Tetrachloroethane	++++ 0.9670	++++ 0.9587	0.9244 0.9526	0.8521 0.9283	0.8481 0.9868	Ave		0.927 3			5.6		30.0				
1,2,3-Trichloropropane	++++ 0.1890	++++ 0.1884	0.1727 0.1828	0.1580 0.1799	0.1616 0.1932	Ave		0.178 2			7.3		30.0				
Isopropylbenzene	++++ 1.5769	++++ 1.5690	1.6180 1.5348	1.5475 1.5067	1.5148 1.6203	Ave		1.561 0			2.8		30.0				
Propylbenzene	++++ 0.4007	++++ 0.3967	++++ 0.3975	0.3332 0.3947	0.3669 0.4295	Ave		0.388 5			7.8		30.0				
2-Chlorotoluene	++++ 0.3609	++++ 0.3537	++++ 0.3655	0.3569 0.3529	0.3502 0.3887	Ave		0.361 2			3.6		30.0				
4-Ethyltoluene	++++ 1.5824	++++ 1.6022	1.5251 1.5882	1.3880 1.5675	1.4176 1.6711	Ave		1.542 8			6.2		30.0				
1,3,5-Trimethylbenzene	++++ 0.5892	0.6053 0.5863	0.6095 0.5818	0.5361 0.5744	0.5297 0.6174	Ave		0.581 1			5.3		30.0				
Alpha Methyl Styrene	++++ 0.5896	++++ 0.6104	++++ 0.5980	0.4530 0.6365	0.4977 0.6971	Ave		0.583 2			14.2		30.0				
Decane	1.1469 1.1835	1.0428 1.1679	1.0069 1.1018	1.0393 1.0507	1.0847 1.0391	Ave		1.086 4			5.7		30.0				
tert-Butylbenzene	++++ 1.3578	++++ 1.3468	1.3335 1.3383	1.2620 1.3200	1.2449 1.3623	Ave		1.320 7			3.3		30.0				
1,2,4-Trimethylbenzene	++++ 1.4002	++++ 1.4273	1.4056 1.3988	1.2733 1.3717	1.3178 1.3905	Ave		1.373 1			3.8		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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	++++ 1.9949	2.0700 2.0136	1.9913 1.9996	1.8460 1.9738	1.8135 2.0079	Ave		1.967 8			4.2		30.0				
1,3-Dichlorobenzene	++++ 0.8082	++++ 0.8398	0.8364 0.8500	0.7300 0.8892	0.7412 0.9465	Ave		0.830 2			8.6		30.0				
Benzyl chloride	++++ 0.7347	++++ 0.8563	++++ 0.8688	0.4454 1.0411	0.5404 ++++	Lin1	-0.13 5	0.986 3						0.9910		0.9900	
1,4-Dichlorobenzene	++++ 0.7847	++++ 0.7988	0.7934 0.8254	0.6991 0.8672	0.7134 0.9408	Ave		0.802 9			9.7		30.0				
4-Isopropyltoluene	++++ 1.5159	++++ 1.5167	1.5399 1.5139	1.3624 1.5107	1.3813 1.5979	Ave		1.492 3			5.3		30.0				
1,2,3-Trimethylbenzene	++++ 1.4220	++++ 1.4253	1.2884 1.3818	1.2469 1.3746	1.2969 1.4679	QuaF		1.323 4	0.0089040					1.0000		0.9900	
Indane	1.2167 1.2125	1.1124 1.2653	1.1133 1.2503	1.0623 1.2503	1.0962 1.2451	Ave		1.183 5			6.6		30.0				
1,2-Dichlorobenzene	++++ 0.8096	++++ 0.8432	0.8373 0.8474	0.7312 0.8750	0.7162 0.8936	Ave		0.819 2			7.8		30.0				
Butylbenzene	++++ 1.7457	1.8440 1.8306	1.6961 1.7745	1.5293 1.7601	1.5612 1.6860	Ave		1.714 2			6.4		30.0				
Indene	0.9506 0.9659	0.8590 1.0367	0.8059 1.0074	0.7429 1.0650	0.7950 1.0591	Ave		0.928 8			12.8		30.0				
Undecane	1.2246 1.2568	1.1987 1.3056	1.1797 1.2176	1.1466 1.2126	1.1364 1.1820	Ave		1.206 1			4.2		30.0				
1,2-Dibromo-3-Chloropropane	++++ 0.3295	++++ 0.3651	0.2597 0.4010	0.2561 0.4587	0.2769 ++++	Ave		0.335 3			23.1		30.0				
1,2,4,5-Tetramethylbenzene	++++ 1.4310	1.5627 1.4749	1.5387 1.4111	1.3856 1.5188	1.3257 1.6272	Ave		1.475 1			6.5		30.0				
Dodecane	1.3078 1.3199	1.3611 1.2923	1.4114 0.9902	1.1975 1.2170	1.1316 1.2240	Ave		1.245 3			9.8		30.0				
1,2,4-Trichlorobenzene	++++ 0.4454	++++ 0.5128	0.4974 0.5500	0.3841 0.7212	0.3688 ++++	QuaF		0.402 0	0.0397848					1.0000		0.9900	
Naphthalene	++++ 1.0787	1.5398 1.1505	1.2399 1.0795	0.8657 1.4120	0.8858 1.6263	Ave		1.208 7			22.4		30.0				
Hexachlorobutadiene	++++ 1.1246	++++ 1.1556	1.4953 1.0919	1.2495 1.0347	1.0544 0.9514	Ave		1.144 7			14.6		30.0				
1,2,3-Trichlorobenzene	++++ 0.5783	++++ 0.5999	++++ 0.5581	0.5274 0.6370	0.4934 0.6869	Ave		0.583 0			11.2		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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	+++++	+++++	+++++	+++++	0.1719	Ave		0.245			39.2		50.0				
	0.2135	0.2422	0.1306	0.3297	0.3857			6									
1-Methylnaphthalene	+++++	+++++	+++++	0.2274	0.2619	Ave		0.285			24.5		50.0				
	0.3088	0.3026	0.1736	0.3428	0.3789			1									
4-Bromofluorobenzene (Surr)	0.8112	0.8189	0.8330	0.8364	0.8467	Ave		0.849			3.0		30.0				
	0.8549	0.8641	0.8841	0.8569	0.8901			6									

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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-54194/9	SI25IC01.D
Level 2	IC 140-54194/10	SI25IC02.D
Level 3	IC 140-54194/11	SI25IC03.D
Level 4	IC 140-54194/12	SI25IC04.D
Level 5	IC 140-54194/13	SI25IC05.D
Level 6	IC 140-54194/14	SI25IC06.D
Level 7	ICIS 140-54194/15	SI25IC07.D
Level 8	IC 140-54194/7	SI25IC08.D
Level 9	IC 140-54194/5	SI25C09.D
Level 10	IC 140-54194/3	SI25C10.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	++++ 128258	++++ 256876	11159 521146	24164 1049984	53196 2023202	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Ave	++++ 62111	++++ 121470	++++ 245658	10045 491171	25645 936436	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Dichlorodifluoromethane	CBM	Ave	++++ 185692	8476 382832	15729 692546	30239 1538674	73458 2741536	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	++++ 18121	++++ 33679	++++ 64516	3055 119545	8151 217023	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dichlorotetrafluoroethane	CBM	Ave	2810 118159	4959 234293	9266 450053	18761 909698	47104 1694796	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	1455 56405	2970 114433	4731 215147	9653 417599	21989 781698	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	++++ 78627	4548 158991	7394 292753	12756 554249	31562 1027069	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	++++ 46008	++++ 88512	4070 164295	7432 321926	17721 597342	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	++++ 51944	++++ 107152	4967 199017	9306 397010	21514 765176	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	++++ 22998	++++ 43968	1789 81947	4265 162447	9330 309805	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	++++ 104049	++++ 217436	++++ 373921	17341 714676	41451 1336100	++++ 5.00	++++ 10.0	++++ 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	1358 61199	2564 121750	5236 255688	9462 526234	24084 1017647	0.0200 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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	++++ 93048	++++ 181888	++++ 369054	15156 745538	37278 1410734	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Trichlorofluoromethane	CBM	Ave	3727 179911	7887 359904	14541 746136	29202 1521583	69989 2953383	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrolein	CBM	Ave	++++ 22334	++++ 52087	++++ 88843	++++ 209127	10454 399355	++++ 1.00	++++ 2.00	++++ 4.00	++++ 8.00	0.400 16.0
Acetonitrile	CBM	Ave	++++ 34895	++++ 68740	++++ 135423	4801 270475	13898 517758	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Acetone	CBM	Ave	++++ 121691	++++ 215441	++++ 445153	++++ 873385	74308 1670367	++++ 3.00	++++ 6.00	++++ 12.0	++++ 24.0	1.20 48.0
Isopropyl alcohol	CBM	Ave	++++ 296589	++++ 628954	26937 1290422	48154 2583289	124566 4751140	++++ 3.00	++++ 6.00	0.240 12.0	0.480 24.0	1.20 48.0
Pentane	CBM	Ave	++++ 7674	++++ 16244	++++ 33196	1249 67977	3133 125283	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Ethyl ether	CBM	Ave	++++ 81584	++++ 163077	6884 338233	13579 663938	33590 1267886	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	++++ 63914	3157 126386	5334 264907	10122 546051	26087 1060949	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
t-Butyl alcohol	CBM	Ave	++++ 108364	++++ 232733	9719 480218	18284 967982	46603 1902096	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	++++ 56809	++++ 111276	++++ 229060	10126 466235	22974 901260	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichlorotrifluoroethane	CBM	Ave	++++ 139212	++++ 275552	11096 578880	22676 1183933	56537 2289171	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Ave	++++ 64821	++++ 127668	7767 258359	13366 518347	26874 1003009	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
3-Chloropropene	CBM	Ave	++++ 66532	++++ 145798	9169 295844	12503 580985	28034 1122866	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	++++ 200931	++++ 401173	++++ 852973	32750 1738612	79802 3393793	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	++++ 62864	++++ 127456	5399 268505	10984 555297	25191 1093656	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	++++ 182838	++++ 365737	15754 737181	31203 1471500	74033 2778421	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl tert-butyl ether	CBM	Ave	++++ 168383	++++ 343535	14295 734101	27021 1495945	66482 2914533	++++ 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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	++++ 135089	++++ 273643	11879 560568	21052 1149309	53955 2221014	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	++++ 185353	++++ 387438	++++ 803399	28675 1707369	72278 3421232	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
2-Butanone	CBM	Ave	++++ 34017	++++ 68464	++++ 144918	6544 289808	16835 563909	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	++++ 59014	++++ 116693	4908 240753	9637 488977	23336 941437	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	++++ 67402	3469 135522	6009 285449	11430 578986	26583 1146965	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl acetate	CBM	Ave	++++ 175845	++++ 362239	15874 745984	29924 1520144	71090 2960315	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	++++ 157403	++++ 318484	14095 659599	25847 1339225	63610 2633497	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	++++ 89637	++++ 181366	++++ 366139	14230 746903	36249 1443592	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	++++ 140110	6177 290908	12134 613043	22606 1280838	56304 2538945	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloroethane	DFBZ	Ave	++++ 110987	++++ 220290	9758 454978	18811 928124	44273 1808809	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	++++ 24788	++++ 53531	++++ 111188	4293 243359	10565 460955	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	++++ 219715	++++ 443233	19970 921922	37287 1894484	88822 3648613	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	++++ 35694	1480 71254	2863 144735	5663 304053	14281 564602	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	1791 95307	4234 254132	7632 516531	13297 1194649	47382 2416325	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	++++ 47021	2025 94342	4158 195051	7010 398638	18212 779259	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	++++ 121271	4990 242741	9053 516789	19549 1050975	46812 2057437	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	8761 394166	17082 784535	31153 1640963	62430 3331098	155388 6481894	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	++++ 74060	3207 144758	5538 302874	11995 621543	28914 1216145	++++ 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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	++++ 92940	++++ 187201	7921 384362	14796 784040	37928 1519078	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	2315 75625	3872 152254	6604 322809	11978 674518	31511 1347457	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	++++ 90628	++++ 181560	7834 386424	15107 790091	36514 1543342	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	++++ 151091	++++ 314040	11657 678724	21967 1417611	56847 2785107	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	++++ 29189	++++ 65091	++++ 132435	5272 278621	11964 530925	++++ 1.00	++++ 2.00	++++ 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	++++ 106901	++++ 220199	9230 451425	16822 930967	42757 1794954	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Lin1 F	++++ 128501	5630 260770	9993 559911	20553 1133089	51998 2248053	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	++++ 195168	++++ 404219	16740 819473	30634 1676506	77437 3230464	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 116940	4817 243009	8862 521513	17518 1099926	44186 2198088	++++ 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	++++ 101004	4218 216034	9063 473446	14347 1019535	38006 2056438	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	Ave	++++ 258469	++++ 523469	25706 1106491	46362 2293544	105508 4563563	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd 5	Ave	++++ 84778	++++ 171695	7762 361779	14036 754179	34396 1457616	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	++++ 87654	++++ 182109	7590 387703	13107 809339	33743 1596644	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Octane	CBZd 5	Ave	++++ 69207	++++ 138096	5393 300565	10566 621470	27077 1211685	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	++++ 802769	++++ 1594537	++++ 3254577	++++ 6535986	351417 12384334	++++ 1.00	++++ 2.00	++++ 4.00	++++ 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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	++++ 114853	++++ 254979	8341 577789	15666 1256169	42770 2521716	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dibromoethane	CBZd 5	Ave	++++ 126376	++++ 266036	11077 566453	20262 1208432	49979 2402762	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrachloroethene	CBZd 5	Ave	++++ 83571	3545 166028	7232 355885	13223 737083	31984 1442070	++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chlorobenzene	CBZd 5	Ave	++++ 174895	++++ 359916	17033 763364	29980 1613459	71910 3118399	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethylbenzene	CBZd 5	Ave	++++ 332623	++++ 681080	29650 1433946	54582 3042071	131098 5942310	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
m-Xylene & p-Xylene	CBZd 5	Ave	++++ 536426	28331 1095971	48918 2311604	88570 4821495	214549 9244813	++++ 2.00	0.0800 4.00	0.160 8.00	0.320 16.0	0.800 32.0
Nonane	CBZd 5	Ave	4166 190387	7944 385968	15587 809208	28688 1653892	74786 3142912	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromoform	CBZd 5	Ave	++++ 127305	++++ 304537	8047 727393	15414 1714069	42958 3391108	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Styrene	CBZd 5	Ave	3744 166683	7114 355448	13943 766662	24264 1665840	59666 3105583	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
o-Xylene	CBZd 5	Ave	++++ 277942	++++ 568008	26226 1185895	46023 2455269	109628 4845343	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	++++ 204246	++++ 417456	16885 909692	30820 1916989	75322 3778200	++++ 1.00	++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichloropropane	CBZd 5	Ave	++++ 39923	++++ 82016	3154 174581	5714 371402	14350 739763	++++ 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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	+++++	+++++	29555	55972	134529	+++++	+++++	0.0800	0.160	0.400
			333082	683170	1465654	3111253	6203832	1.00	2.00	4.00	8.00	16.0
Propylbenzene	CBZd 5	Ave	+++++	+++++	+++++	12050	32584	+++++	+++++	+++++	0.160	0.400
			84644	172736	379570	815036	1644427	1.00	2.00	4.00	8.00	16.0
2-Chlorotoluene	CBZd 5	Ave	+++++	+++++	+++++	12908	31097	+++++	+++++	+++++	0.160	0.400
			76227	154030	349034	728685	1488086	1.00	2.00	4.00	8.00	16.0
4-Ethyltoluene	CBZd 5	Ave	+++++	+++++	27858	50202	125893	+++++	+++++	0.0800	0.160	0.400
			334227	697622	1516716	3236904	6398551	1.00	2.00	4.00	8.00	16.0
1,3,5-Trimethylbenzene	CBZd 5	Ave	+++++	5552	11133	19391	47039	+++++	0.0400	0.0800	0.160	0.400
			124450	255293	555549	1186056	2363894	1.00	2.00	4.00	8.00	16.0
Alpha Methyl Styrene	CBZd 5	Ave	+++++	+++++	+++++	16385	44196	+++++	+++++	+++++	0.160	0.400
			124536	265772	571069	1314303	2669254	1.00	2.00	4.00	8.00	16.0
Decane	CBZd 5	Ave	5462	9565	18391	37591	96332	0.0200	0.0400	0.0800	0.160	0.400
			249980	508529	1052135	2169687	3978583	1.00	2.00	4.00	8.00	16.0
tert-Butylbenzene	CBZd 5	Ave	+++++	+++++	24357	45646	110558	+++++	+++++	0.0800	0.160	0.400
			286793	586446	1277988	2725845	5215895	1.00	2.00	4.00	8.00	16.0
1,2,4-Trimethylbenzene	CBZd 5	Ave	+++++	+++++	25674	46053	117030	+++++	+++++	0.0800	0.160	0.400
			295748	621476	1335781	2832497	5323892	1.00	2.00	4.00	8.00	16.0
sec-Butylbenzene	CBZd 5	Ave	+++++	18986	36373	66769	161058	+++++	0.0400	0.0800	0.160	0.400
			421357	876788	1909565	4075795	7687830	1.00	2.00	4.00	8.00	16.0
1,3-Dichlorobenzene	CBZd 5	Ave	+++++	+++++	15278	26403	65825	+++++	+++++	0.0800	0.160	0.400
			170700	365679	811761	1836179	3623903	1.00	2.00	4.00	8.00	16.0
Benzyl chloride	CBZd 5	Lin1	+++++	+++++	+++++	16108	47996	+++++	+++++	+++++	0.160	0.400
			155190	372874	829627	2149770	+++++	1.00	2.00	4.00	8.00	+++++

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	+++++	+++++	14492	25285	63355	+++++	+++++	0.0800	0.160	0.400
			165756	347823	788259	1790729	3601995	1.00	2.00	4.00	8.00	16.0
4-Isopropyltoluene	CBZd 5	Ave	+++++	+++++	28127	49276	122670	+++++	+++++	0.0800	0.160	0.400
			320189	660392	1445755	3119644	6118027	1.00	2.00	4.00	8.00	16.0
1,2,3-Trimethylbenzene	CBZd 5	QuaF	+++++	+++++	23534	45099	115172	+++++	+++++	0.0800	0.160	0.400
			300354	620596	1319546	2838424	5620281	1.00	2.00	4.00	8.00	16.0
Indane	CBZd 5	Ave	5794	10203	20335	38421	97356	0.0200	0.0400	0.0800	0.160	0.400
			256097	550936	1204186	2581937	4767466	1.00	2.00	4.00	8.00	16.0
1,2-Dichlorobenzene	CBZd 5	Ave	+++++	+++++	15294	26446	63603	+++++	+++++	0.0800	0.160	0.400
			171004	367143	809195	1806778	3421504	1.00	2.00	4.00	8.00	16.0
Butylbenzene	CBZd 5	Ave	+++++	16913	30980	55313	138646	+++++	0.0400	0.0800	0.160	0.400
			368727	797093	1694618	3634502	6455371	1.00	2.00	4.00	8.00	16.0
Indene	CBZd 5	Ave	4527	7879	14720	26871	70607	0.0200	0.0400	0.0800	0.160	0.400
			204017	451407	962018	2199271	4055004	1.00	2.00	4.00	8.00	16.0
Undecane	CBZd 5	Ave	5832	10995	21548	41473	100920	0.0200	0.0400	0.0800	0.160	0.400
			265454	568477	1162765	2503967	4525680	1.00	2.00	4.00	8.00	16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	+++++	+++++	4743	9263	24588	+++++	+++++	0.0800	0.160	0.400
			69605	158963	382926	947178	+++++	1.00	2.00	4.00	8.00	+++++
1,2,4,5-Tetramethylbenzene	CBZd 5	Ave	+++++	14333	28106	50115	117734	+++++	0.0400	0.0800	0.160	0.400
			302257	642209	1347535	3136260	6230473	1.00	2.00	4.00	8.00	16.0
Dodecane	CBZd 5	Ave	6228	12484	25781	43314	100498	0.0200	0.0400	0.0800	0.160	0.400
			278800	562684	945583	2513169	4686665	1.00	2.00	4.00	8.00	16.0
1,2,4-Trichlorobenzene	CBZd 5	QuaF	+++++	+++++	9086	13891	32749	+++++	+++++	0.0800	0.160	0.400
			94072	223300	525195	1489241	+++++	1.00	2.00	4.00	8.00	+++++

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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	Ave	+++++	14123	22647	31312	78663	+++++	0.0400	0.0800	0.160	0.400
			227841	500963	1030896	2915663	6226894	1.00	2.00	4.00	8.00	16.0
Hexachlorobutadiene	CBZd 5	Ave	+++++	+++++	27312	45194	93643	+++++	+++++	0.0800	0.160	0.400
			237530	503156	1042769	2136599	3642634	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichlorobenzene	CBZd 5	Ave	+++++	+++++	+++++	19077	43820	+++++	+++++	+++++	0.160	0.400
			122155	261216	532934	1315331	2630174	1.00	2.00	4.00	8.00	16.0
2-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	+++++	+++++	15267	+++++	+++++	+++++	+++++	0.400
			45094	105458	124686	680937	1476669	1.00	2.00	4.00	8.00	16.0
1-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	+++++	8224	23261	+++++	+++++	+++++	0.160	0.400
			65229	131782	165821	707976	1450642	1.00	2.00	4.00	8.00	16.0
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	896241	871240	882506	877285	872227	4.64	4.64	4.64	4.64	4.64
			837819	872916	979385	1026326	988312	4.64	4.64	4.64	4.64	4.64

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin1F = Linear 1/conc ISTD forced zero
QuaF = Quadratic 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.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-54194/9	SI25IC01.D
Level 2	IC 140-54194/10	SI25IC02.D
Level 3	IC 140-54194/11	SI25IC03.D
Level 4	IC 140-54194/12	SI25IC04.D
Level 5	IC 140-54194/13	SI25IC05.D
Level 6	IC 140-54194/14	SI25IC06.D
Level 7	ICIS 140-54194/15	SI25IC07.D
Level 8	IC 140-54194/7	SI25IC08.D
Level 9	IC 140-54194/5	SI25C09.D
Level 10	IC 140-54194/3	SI25C10.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	+++++ 2.2	+++++ -4.6	3.4 -11.6	14.3 -9.3	3.0	2.7	40	40	50 40	40 40	40	40
Propene	+++++ 4.5	+++++ -2.7	+++++ -10.5	2.8 -9.2	7.4	7.7	40	40	40	50 40	40	40
Dichlorodifluoromethane	+++++ 7.9	12.4 -10.2	3.3 -8.2	1.4 -12.9	0.8	5.4	40	50 40	40 40	40 40	40	40
Chloromethane	+++++ 4.5	+++++ -7.9	+++++ -21.5	12.7 -24.1	23.1	13.2	40	40	40	50 40	40	40
1,2-Dichlorotetrafluoroethane	14.0 5.7	5.2 -6.6	-2.7 -13.1	0.6 -13.9	3.4	7.3	50 40	40 40	40 40	40 40	40	40
Vinyl chloride	18.3 3.4	26.3 -10.5	-0.4 -20.1	3.8 -20.4	-3.2	2.7	50 40	40 40	40 40	40 40	40	40
Butane	+++++ 3.9	39.9 -11.9	12.6 -23.3	-0.8 -24.3	0.5	3.5	40	50 40	40 40	40 40	40	40
1,3-Butadiene	+++++ 7.0	+++++ -8.6	14.6 -17.6	6.9 -18.6	4.3	12.0	40	40	50 40	40 40	40	40
Bromomethane	+++++ 6.5	+++++ -9.0	15.0 -16.5	10.0 -14.3	4.1	4.0	40	40	50 40	40 40	40	40
Chloroethane	+++++ 5.0	+++++ -10.0	-0.5 -17.9	21.1 -16.7	8.4	10.6	40	40	50 40	40 40	40	40
Ethanol	+++++ 16.3	+++++ -8.0	+++++ -19.1	10.3 -19.5	7.9	12.1	40	40	40	50 40	40	40
Vinyl bromide	3.2 2.9	2.0 -0.6	3.1 -5.9	-4.9 -3.1	-0.9	4.2	50 40	40 40	40 40	40 40	40	40
2-Methylbutane	+++++ 4.6	+++++ -2.4	+++++ -9.3	3.6 -8.6	4.3	7.7	40	40	40	50 40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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		
Trichlorofluoromethane	-2.9 4.2	7.5 -0.6	-1.9 -6.7	0.6 -3.6	-1.3	4.9	50 40	40 40	40 40	40 40	40	40
Acrolein	++++ 12.4	++++ -11.8	++++ -4.5	++++ -2.9	9.8	-2.9	40	40	40	40	50	40
Acetonitrile	++++ 8.9	++++ -1.3	++++ -9.3	-9.5 -7.5	7.2	11.4	40	40	40	40	50	40
Acetone	++++ -7.7	++++ -12.2	++++ -20.8	++++ -19.4	55.0	5.0	50	50	50	50	80	50
Isopropyl alcohol	++++ 6.9	++++ 0.9	6.6 -7.1	-2.7 -9.1	3.0	1.5	40	40	50 40	40 40	40	40
Pentane	++++ 7.7	++++ 1.3	++++ -4.6	-1.5 -6.4	1.1	2.5	40	40	40	40	50	40
Ethyl ether	++++ 4.2	++++ -0.5	2.5 -10.2	3.2 -8.7	4.5	5.0	40	40	50 40	40 40	40	40
1,1-Dichloroethene	++++ 0.5	18.1 -3.1	-1.2 -8.1	-4.3 -5.0	0.9	2.3	40	50 40	40 40	40 40	40	40
t-Butyl alcohol	++++ 5.7	++++ 0.3	2.8 -7.0	-1.3 -2.7	3.0	-0.9	40	40	50 40	40 40	40	40
Acrylonitrile	++++ 2.0	++++ -3.4	++++ -9.5	10.4 -6.9	2.5	4.9	40	40	40	50 40	40	40
1,1,2-Trichlorotrifluoroethane	++++ 3.3	++++ -0.2	-3.1 -6.1	1.1 -3.3	3.2	5.1	40	40	50 40	40 40	40	40
Methylene Chloride	++++ -4.6	++++ -11.2	35.2 -18.0	18.8 -15.5	-2.2	-2.4	50	50	80 50	50 50	50	50
3-Chloropropene	++++ 0.2	++++ -6.5	46.8 -15.5	2.2 -13.1	-6.2	-7.9	40	40	50 40	40 40	40	40
Carbon disulfide	++++ 3.0	++++ 0.7	++++ -5.5	0.0 -1.8	-0.3	3.9	40	40	40	50 40	40	40
trans-1,2-Dichloroethene	++++ 2.2	++++ -0.9	0.9 -5.7	4.8 -1.2	-1.6	1.6	40	40	50 40	40 40	40	40
2-Methylpentane	++++ 4.6	++++ -3.0	5.0 -10.9	6.2 -10.4	3.1	5.4	40	40	50 40	40 40	40	40
Methyl tert-butyl ether	++++ 4.0	++++ 2.2	0.8 -4.2	-2.7 -0.6	-2.0	2.6	40	40	50 40	40 40	40	40
1,1-Dichloroethane	++++ 4.9	++++ -1.1	6.1 -6.7	-4.0 -4.1	0.7	4.3	40	40	50 40	40 40	40	40
Vinyl acetate	++++ 5.5	++++ 0.7	++++ -1.6	-7.1 5.0	-4.2	1.7	40	40	40	50 40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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		
2-Butanone	++++ -1.9	++++ -4.4	++++ -12.1	11.6 -8.9	17.5	-1.8	40	40	40	50 40	40	40
Hexane	++++ 3.9	++++ -1.4	1.8 -7.8	2.1 -5.5	1.2	5.8	50	50	50 50	50 50	50	50
cis-1,2-Dichloroethene	++++ -0.3	20.1 -3.4	3.0 -9.8	0.0 -4.9	-4.8	-0.1	40	50 40	40 40	40 40	40	40
Ethyl acetate	++++ 4.0	++++ -1.5	6.1 -7.6	2.2 -4.2	-0.6	1.7	40	40	50 40	40 40	40	40
Chloroform	++++ 3.4	++++ -1.5	6.6 -8.0	-0.2 -3.7	0.5	2.9	40	40	50 40	40 40	40	40
Tetrahydrofuran	++++ 6.1	++++ -1.5	++++ -7.5	-1.0 -4.9	3.2	5.6	40	40	40	50 40	40	40
1,1,1-Trichloroethane	++++ 3.5	3.5 0.4	0.6 -3.5	-4.3 1.8	-2.4	0.4	40	50 40	40 40	40 40	40	40
1,2-Dichloroethane	++++ -0.3	++++ -1.8	4.6 -6.8	2.9 -0.8	-1.8	4.1	40	40	50 40	40 40	40	40
1-Butanol	++++ 0.9	++++ 0.0	++++ 1.7	-2.2 5.2	-2.4	-3.2	40	40	40	50 40	40	40
Benzene	++++ -0.4	++++ -1.1	6.3 -5.5	1.3 -0.7	-2.2	2.3	40	40	50 40	40 40	40	40
Cyclohexane	++++ 2.5	-0.4 -0.6	-2.4 -3.0	-1.5 -1.6	0.7	6.4	40	50 40	40 40	40 40	40	40
Carbon tetrachloride	-25.9 16.1	-9.6 12.5	-17.5 21.0	-26.6 33.7	6.0	-9.8	50 40	40 40	40 40	40 40	40	40
2,3-Dimethylpentane	++++ 1.7	2.1 0.3	6.2 -4.7	-8.7 1.8	-3.8	5.0	40	50 40	40 40	40 40	40	40
Thiophene	++++ 2.3	-1.7 3.9	-9.7 -1.8	-0.5 5.0	-3.4	5.8	40	50 40	40 40	40 40	40	40
2,2,4-Trimethylpentane	2.4 1.2	3.0 1.0	-4.9 -4.7	-2.7 1.2	-1.8	5.3	50 40	40 40	40 40	40 40	40	40
Heptane	++++ 0.6	4.2 0.4	-8.9 -4.2	0.7 2.3	-1.6	6.6	40	50 40	40 40	40 40	40	40
1,2-Dichloropropane	++++ 1.7	++++ -0.4	1.9 -5.6	-2.9 -0.1	0.9	4.5	40	40	50 40	40 40	40	40
Trichloroethene	29.3 -6.1	11.6 -5.1	-3.6 -7.8	-10.8 0.6	-4.8	-3.4	50 40	40 40	40 40	40 40	40	40
Dibromomethane	++++ -0.7	++++ 0.8	1.5 -4.2	-0.2 2.2	-2.2	2.7	40	40	50 40	40 40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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		
Bromodichloromethane	++++ 3.7	++++ 6.9	-8.8 3.8	-12.4 11.4	-8.0	3.3	40	40	50 40	40 40	40	40
1,4-Dioxane	++++ 4.2	++++ 1.2	++++ -1.0	2.0 3.0	-6.1	-3.2	40	40	40	50 40	40	40
Methyl methacrylate	++++ 2.9	++++ 0.6	2.1 -3.5	-5.0 1.6	-2.1	3.5	40	40	50 40	40 40	40	40
Methylcyclohexane	++++ -1.6	-0.6 0.8	-10.7 -5.2	-6.3 2.8	-3.9	0.5	40	50 40	40 40	40 40	40	40
4-Methyl-2-pentanone (MIBK)	++++ 4.0	++++ 0.6	2.0 -4.3	-4.7 0.7	-2.4	4.0	40	40	50 40	40 40	40	40
cis-1,3-Dichloropropene	++++ 3.8	-3.8 6.2	-10.4 4.2	-9.6 13.7	-7.6	3.4	40	50 40	40 40	40 40	40	40
trans-1,3-Dichloropropene	++++ 4.3	-3.3 4.2	4.3 3.8	-16.6 12.9	-10.0	0.5	40	50 40	40 40	40 40	40	40
Toluene	++++ -1.5	++++ -5.1	15.3 -9.0	5.0 -2.3	-2.7	0.3	50	50	50 50	50 50	50	50
1,1,2-Trichloroethane	++++ 1.1	++++ -2.9	8.9 -6.4	-0.5 -2.4	-0.7	2.9	40	40	50 40	40 40	40	40
2-Hexanone	++++ 4.4	++++ 1.3	3.7 -2.2	-9.6 4.1	-5.2	3.6	40	40	50 40	40 40	40	40
Octane	++++ 2.8	++++ 2.0	-4.3 -2.5	-5.4 2.5	-1.2	6.2	40	40	50 40	40 40	40	40
Dibromochloromethane	++++ 7.1	++++ 10.7	-16.5 11.3	-20.8 20.5	-11.9	-0.5	40	40	50 40	40 40	40	40
1,2-Dibromoethane	++++ 3.0	++++ 0.0	2.3 -1.3	-5.5 5.8	-5.1	0.9	40	40	50 40	40 40	40	40
Tetrachloroethene	++++ 1.2	2.6 -1.1	5.1 -5.3	-3.0 0.0	-4.4	5.0	40	50 40	40 40	40 40	40	40
Chlorobenzene	++++ -0.1	++++ -3.4	12.7 -5.6	0.2 -1.6	-2.2	0.0	40	40	50 40	40 40	40	40
Ethylbenzene	++++ 1.9	++++ -2.1	5.8 -4.0	-1.6 1.2	-3.8	2.6	40	40	50 40	40 40	40	40
m-Xylene & p-Xylene	++++ -0.9	21.6 -4.7	5.4 -8.1	-3.6 -4.9	-4.9	0.0	40	50 40	40 40	40 40	40	40
Nonane	3.1 4.5	2.1 -0.1	0.6 -5.6	-6.5 -3.3	-0.8	6.2	50 40	40 40	40 40	40 40	40	40
Bromoform	++++ 9.1	++++ 18.8	-31.3 29.4	-33.5 38.1	-24.6	-6.0	40	40	50 40	40 40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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		
Styrene	2.2 6.1	0.8 4.3	-0.8 4.9	-12.8 5.4	-12.7	2.6	50 40	40 40	40 40	40 40	40	40
o-Xylene	++++ 1.7	++++ -3.2	12.0 -7.3	-0.8 -1.3	-3.7	2.6	40	40	50 40	40 40	40	40
1,1,2,2-Tetrachloroethane	++++ 3.4	++++ 2.7	-0.3 0.1	-8.1 6.4	-8.5	4.3	40	40	50 40	40 40	40	40
1,2,3-Trichloropropane	++++ 5.7	++++ 2.6	-3.1 0.9	-11.3 8.4	-9.3	6.1	40	40	50 40	40 40	40	40
Isopropylbenzene	++++ 0.5	++++ -1.7	3.7 -3.5	-0.9 3.8	-3.0	1.0	40	40	50 40	40 40	40	40
Propylbenzene	++++ 2.1	++++ 2.3	++++ 1.6	-14.2 10.6	-5.5	3.2	40	40	40	50 40	40	40
2-Chlorotoluene	++++ -2.1	++++ 1.2	++++ -2.3	-1.2 7.6	-3.1	-0.1	40	40	40	50 40	40	40
4-Ethyltoluene	++++ 3.9	++++ 2.9	-1.1 1.6	-10.0 8.3	-8.1	2.6	40	40	50 40	40 40	40	40
1,3,5-Trimethylbenzene	++++ 0.9	4.2 0.1	4.9 -1.2	-7.7 6.3	-8.8	1.4	40	40	50 40	40 40	40	40
Alpha Methyl Styrene	++++ 4.7	++++ 2.5	++++ 9.1	-22.3 19.5	-14.7	1.1	40	40	40	50 40	40	40
Decane	5.6 7.5	-4.0 1.4	-7.3 -3.3	-4.3 -4.3	-0.2	8.9	50 40	40 40	40 40	40 40	40	40
tert-Butylbenzene	++++ 2.0	++++ 1.3	1.0 0.0	-4.4 3.1	-5.7	2.8	40	40	50 40	40 40	40	40
1,2,4-Trimethylbenzene	++++ 3.9	++++ 1.9	2.4 -0.1	-7.3 1.3	-4.0	2.0	40	40	50 40	40 40	40	40
sec-Butylbenzene	++++ 2.3	5.2 1.6	1.2 0.3	-6.2 2.0	-7.8	1.4	40	40	50 40	40 40	40	40
1,3-Dichlorobenzene	++++ 1.2	++++ 2.4	0.8 7.1	-12.1 14.0	-10.7	-2.7	40	40	50 40	40 40	40	40
Benzyl chloride	++++ -6.3	++++ -8.5	++++ 7.3	30.5 ++++	-11.1	-11.8	40	40	40	50	40	40
1,4-Dichlorobenzene	++++ -0.5	++++ 2.8	-1.2 8.0	-12.9 17.2	-11.1	-2.3	40	40	50 40	40 40	40	40
4-Isopropyltoluene	++++ 1.6	++++ 1.4	3.2 1.2	-8.7 7.1	-7.4	1.6	40	40	50 40	40 40	40	40
1,2,3-Trimethylbenzene	++++ 6.2	++++ 1.6	-2.7 -1.4	-5.9 0.1	-2.3	6.7	40	40	50 40	40 40	40	40

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1 Analy Batch No.: 54194

SDG No.: _____

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

Calibration Start Date: 09/25/2021 11:54 Calibration End Date: 09/25/2021 21:13 Calibration ID: 3259

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		
Indane	2.8 6.9	-6.0 6.5	-5.9 5.6	-10.2 5.2	-7.4	2.4	50 40	40 40	40 40	40 40	40	40
1,2-Dichlorobenzene	++++ 2.9	++++ 3.4	2.2 6.8	-10.7 9.1	-12.6	-1.2	40	40	50 40	40 40	40	40
Butylbenzene	++++ 6.8	7.6 3.5	-1.1 2.7	-10.8 -1.6	-8.9	1.8	40	50 40	40 40	40 40	40	40
Indene	2.4 11.6	-7.5 8.5	-13.2 14.7	-20.0 14.0	-14.4	4.0	50 40	40 40	40 40	40 40	40	40
Undecane	1.5 8.3	-0.6 1.0	-2.2 0.5	-4.9 -2.0	-5.8	4.2	50 40	40 40	40 40	40 40	40	40
1,2-Dibromo-3-Chloropropane	++++ 8.9	++++ 19.6	-22.6 36.8	-23.6 ++++	-17.4	-1.7	40	40	50 40	40	40	40
1,2,4,5-Tetramethylbenzene	++++ 0.0	5.9 -4.3	4.3 3.0	-6.1 10.3	-10.1	-3.0	40	50 40	40 40	40 40	40	40
Dodecane	5.0 3.8	9.3 -20.5	13.3 -2.3	-3.8 -1.7	-9.1	6.0	50 40	40 40	40 40	40 40	40	40
1,2,4-Trichlorobenzene	++++ 5.5	++++ -1.6	22.5 0.1	-5.9 ++++	-11.4	0.7	40	40	50 40	40	40	40
Naphthalene	++++ -4.8	27.4 -10.7	2.6 16.8	-28.4 34.6	-26.7	-10.8	40	80 40	40 40	40 40	40	40
Hexachlorobutadiene	++++ 1.0	++++ -4.6	30.6 -9.6	9.2 -16.9	-7.9	-1.8	40	40	50 40	40 40	40	40
1,2,3-Trichlorobenzene	++++ 2.9	++++ -4.3	++++ 9.3	-9.5 17.8	-15.4	-0.8	40	40	40	50 40	40	40
2-Methylnaphthalene	++++ -1.4	++++ -46.8	++++ 34.3	++++ 57.0 *	-30.0	-13.1	50	50	50	50	80	50
1-Methylnaphthalene	++++ 6.1	++++ -39.1	++++ 20.2	-20.3 32.9	-8.1	8.3	50	50	50	80 50	50	50

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25C10.D
 Lims ID: IC L10
 Client ID:
 Sample Type: IC Calib Level: 10
 Inject. Date: 25-Sep-2021 11:54:30 ALS Bottle#: 4 Worklist Smp#: 3
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-003
 Misc. Info.: 417455
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:17:52 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa Date: 27-Sep-2021 09:13:24

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	9.174	9.166	0.008	94	245505	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.353	11.348	0.005	96	1248218	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.028	16.025	0.003	90	1148651	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.679	17.676	0.003	96	988312	4.64	4.86	
6 Chlorodifluoromethane	51	3.778	3.781	-0.003	96	2023202	16.0	14.5	
7 Propene	41	3.789	3.791	-0.002	100	936436	16.0	14.5	
8 Dichlorodifluoromethane	85	3.848	3.850	-0.002	100	2741536	16.0	13.9	
9 Chloromethane	52	4.037	4.043	-0.006	98	217023	16.0	12.1	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.047	4.049	-0.002	95	1694796	16.0	13.8	
11 Acetaldehyde	44	4.203	4.206	-0.003	95	1343239	80.0	78.7	
12 Vinyl chloride	62	4.225	4.225	0.000	99	781698	16.0	12.7	
14 Butane	43	4.316	4.317	-0.001	83	1027069	16.0	12.1	
13 Butadiene	54	4.316	4.319	-0.003	72	597342	16.0	13.0	
15 Bromomethane	94	4.661	4.661	0.000	97	765176	16.0	13.7	
16 Chloroethane	64	4.811	4.811	0.000	94	309805	16.0	13.3	
17 Ethanol	31	4.919	4.908	0.011	93	1336100	80.0	64.4	
18 Vinyl bromide	106	5.140	5.136	0.004	98	1017647	16.0	15.5	
19 2-Methylbutane	43	5.188	5.185	0.003	92	1410734	16.0	14.6	
20 Trichlorofluoromethane	101	5.425	5.423	0.002	99	2953383	16.0	15.4	
21 Acrolein	56	5.435	5.435	0.000	94	399355	16.0	15.5	
22 Acetonitrile	40	5.511	5.509	0.002	99	517758	16.0	14.8	
23 Acetone	58	5.554	5.556	-0.002	98	1670367	48.0	38.7	
24 Isopropyl alcohol	45	5.645	5.640	0.005	96	4751140	48.0	43.7	
25 Pentane	72	5.656	5.656	0.000	96	125283	16.0	15.0	
26 Ethyl ether	31	5.828	5.834	-0.006	95	1267886	16.0	14.6	
27 1,1-Dichloroethene	96	6.172	6.170	0.002	95	1060949	16.0	15.2	
29 2-Methyl-2-propanol	59	6.264	6.266	-0.002	95	1902096	16.0	15.6	
28 Acrylonitrile	53	6.285	6.280	0.005	96	901260	16.0	14.9	
30 112TCTFE	101	6.355	6.351	0.004	94	2289171	16.0	15.5	
31 Methylene Chloride	84	6.544	6.536	0.008	98	1003009	16.0	13.5	

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	6.560	6.552	0.008	96	1122866	16.0	13.9	
33 Carbon disulfide	76	6.710	6.706	0.004	99	3393793	16.0	15.7	
34 trans-1,2-Dichloroethene	96	7.383	7.376	0.007	96	1093656	16.0	15.8	
35 2-Methylpentane	43	7.394	7.390	0.004	95	2778421	16.0	14.3	
36 Methyl tert-butyl ether	73	7.496	7.506	-0.010	96	2914533	16.0	15.9	
37 1,1-Dichloroethane	63	7.824	7.815	0.009	100	2221014	16.0	15.3	
38 Vinyl acetate	43	7.921	7.915	0.006	100	3421232	16.0	16.8	
39 2-Butanone (MEK)	72	8.373	8.377	-0.004	97	563909	16.0	14.6	
40 Hexane	56	8.405	8.402	0.003	92	941437	16.0	15.1	
41 Isopropyl ether	45	8.556	8.563	-0.007	98	4350091	16.0	15.2	
42 cis-1,2-Dichloroethene	96	8.835	8.825	0.010	98	1146965	16.0	15.2	
43 Ethyl acetate	43	9.002	9.005	-0.003	99	2960315	16.0	15.3	
44 Chloroform	83	9.185	9.176	0.009	96	2633497	16.0	15.4	
45 Tert-butyl ethyl ether	59	9.250	9.259	-0.009	96	3830280	16.0	16.2	
46 Tetrahydrofuran	42	9.567	9.586	-0.019	94	1443592	16.0	15.2	
47 1,1,1-Trichloroethane	97	10.229	10.225	0.004	96	2538945	16.0	16.3	
48 1,2-Dichloroethane	62	10.342	10.334	0.008	97	1808809	16.0	15.9	
49 n-Butanol	31	10.734	10.749	-0.015	88	460955	16.0	16.8	
51 Benzene	78	10.820	10.817	0.003	96	3648613	16.0	15.9	
50 Cyclohexane	69	10.820	10.817	0.003	88	564602	16.0	15.7	
52 Carbon tetrachloride	117	10.847	10.841	0.006	96	2416325	16.0	21.4	
53 2,3-Dimethylpentane	71	10.933	10.926	0.007	92	779259	16.0	16.3	
54 Thiophene	84	11.095	11.087	0.008	98	2057437	16.0	16.8	
55 Isooctane	57	11.563	11.560	0.003	97	6481894	16.0	16.2	
56 n-Heptane	71	11.934	11.925	0.009	92	1216145	16.0	16.4	
57 1,2-Dichloropropane	63	12.025	12.020	0.005	92	1519078	16.0	16.0	
58 Trichloroethene	130	12.058	12.052	0.006	92	1347457	16.0	16.1	
59 Dibromomethane	93	12.144	12.139	0.005	94	1543342	16.0	16.4	
60 Dichlorobromomethane	83	12.284	12.280	0.004	98	2785107	16.0	17.8	
61 1,4-Dioxane	88	12.278	12.290	-0.012	91	530925	16.0	16.5	
62 Methyl methacrylate	41	12.359	12.359	0.000	92	1794954	16.0	16.3	
63 Methylcyclohexane	83	12.816	12.814	0.002	95	2248053	16.0	16.4	
64 4-Methyl-2-pentanone (MIBK)	43	13.193	13.200	-0.007	97	3230464	16.0	16.1	
65 cis-1,3-Dichloropropene	75	13.268	13.267	0.001	95	2198088	16.0	18.2	
66 trans-1,3-Dichloropropene	75	13.951	13.950	0.001	98	2056438	16.0	18.1	
67 Toluene	91	14.080	14.076	0.004	92	4563563	16.0	15.6	
68 1,1,2-Trichloroethane	83	14.150	14.149	0.001	95	1457616	16.0	15.6	
69 2-Hexanone	58	14.511	14.517	-0.006	92	1596644	16.0	16.6	
70 n-Octane	85	14.742	14.742	0.000	94	1211685	16.0	16.4	
71 Chlorodibromomethane	129	14.850	14.848	0.002	97	2521716	16.0	19.3	
72 Ethylene Dibromide	107	15.140	15.139	0.001	98	2402762	16.0	16.9	
73 Tetrachloroethene	129	15.210	15.205	0.005	95	1442070	16.0	16.0	
75 Chlorobenzene	112	16.076	16.074	0.002	90	3118399	16.0	15.7	
74 2,3-Dimethylheptane	43	16.076	16.076	0.000	96	3714558	16.0	12.2	
76 Ethylbenzene	91	16.356	16.353	0.003	99	5942310	16.0	16.2	
77 m-Xylene & p-Xylene	91	16.517	16.513	0.004	99	9244813	32.0	30.4	
78 n-Nonane	57	16.921	16.919	0.002	91	3142912	16.0	15.5	
79 Bromoform	173	16.975	16.974	0.001	98	3391108	16.0	22.1	
80 Styrene	104	16.985	16.984	0.001	99	3105583	16.0	16.9	
81 o-Xylene	91	17.050	17.045	0.005	97	4845343	16.0	15.8	
82 1,1,2,2-Tetrachloroethane	83	17.373	17.374	-0.001	98	3778200	16.0	17.0	
83 1,2,3-Trichloropropane	110	17.539	17.538	0.001	98	739763	16.0	17.3	

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	17.642	17.641	0.001	96	6203832	16.0	16.6	
85 N-Propylbenzene	120	18.180	18.179	0.001	98	1644427	16.0	17.7	
86 2-Chlorotoluene	126	18.228	18.229	-0.001	96	1488086	16.0	17.2	
87 4-Ethyltoluene	105	18.330	18.328	0.002	99	6398551	16.0	17.3	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	91	2363894	16.0	17.0	
89 Alpha Methyl Styrene	118	18.632	18.632	0.000	88	2669254	16.0	19.1	
90 n-Decane	57	18.680	18.676	0.004	89	3978583	16.0	15.3	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	90	5215895	16.0	16.5	
92 1,2,4-Trimethylbenzene	105	18.841	18.838	0.003	96	5323892	16.0	16.2	
93 sec-Butylbenzene	105	19.094	19.093	0.001	99	7687830	16.0	16.3	
94 1,3-Dichlorobenzene	146	19.116	19.114	0.002	98	3623903	16.0	18.2	
95 Benzyl chloride	91	19.186	19.185	0.001	97	4403440	16.0	18.8	
96 1,4-Dichlorobenzene	146	19.202	19.199	0.003	95	3601995	16.0	18.7	
97 4-Isopropyltoluene	119	19.256	19.252	0.004	96	6118027	16.0	17.1	
98 1,2,3-Trimethylbenzene	105	19.309	19.309	0.000	99	5620281	16.0	16.0	
99 Butylcyclohexane	83	19.363	19.358	0.005	96	4588567	16.0	16.1	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	93	4767466	16.0	16.8	
101 1,2-Dichlorobenzene	146	19.562	19.560	0.002	97	3421504	16.0	17.5	
102 n-Butylbenzene	91	19.681	19.684	-0.003	96	6455371	16.0	15.7	
103 Indene	116	19.686	19.687	-0.001	89	4055004	16.0	18.2	
104 Undecane	57	19.982	19.982	0.000	94	4525680	16.0	15.7	
105 1,2-Dibromo-3-Chloropropane	157	20.154	20.158	-0.004	99	2009161	16.0	25.0	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	6230473	16.0	17.7	
107 Dodecane	57	21.058	21.060	-0.002	98	4686665	16.0	15.7	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	93	3382152	16.0	14.5	
109 Naphthalene	128	21.434	21.439	-0.005	99	6226894	16.0	21.5	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	90	3642634	16.0	13.3	
111 1,2,3-Trichlorobenzene	180	21.692	21.693	-0.001	95	2630174	16.0	18.9	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	98	1476669	16.0	25.1	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	98	1450642	16.0	21.3	
A 115 C8 Range	1	14.747	(14.694-14.790)		0	12384334	16.0	15.2	
S 116 Xylenes, Total	100				0		48.0	46.2	
S 117 1,2-Dichloroethene, Total	1				0		32.0	31.0	

QC Flag Legend

Processing Flags

Reagents:

40L10DQP_00027

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25C10.D

Injection Date: 25-Sep-2021 11:54:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L10

Worklist Smp#: 3

Client ID:

Purge Vol: 500.000 mL

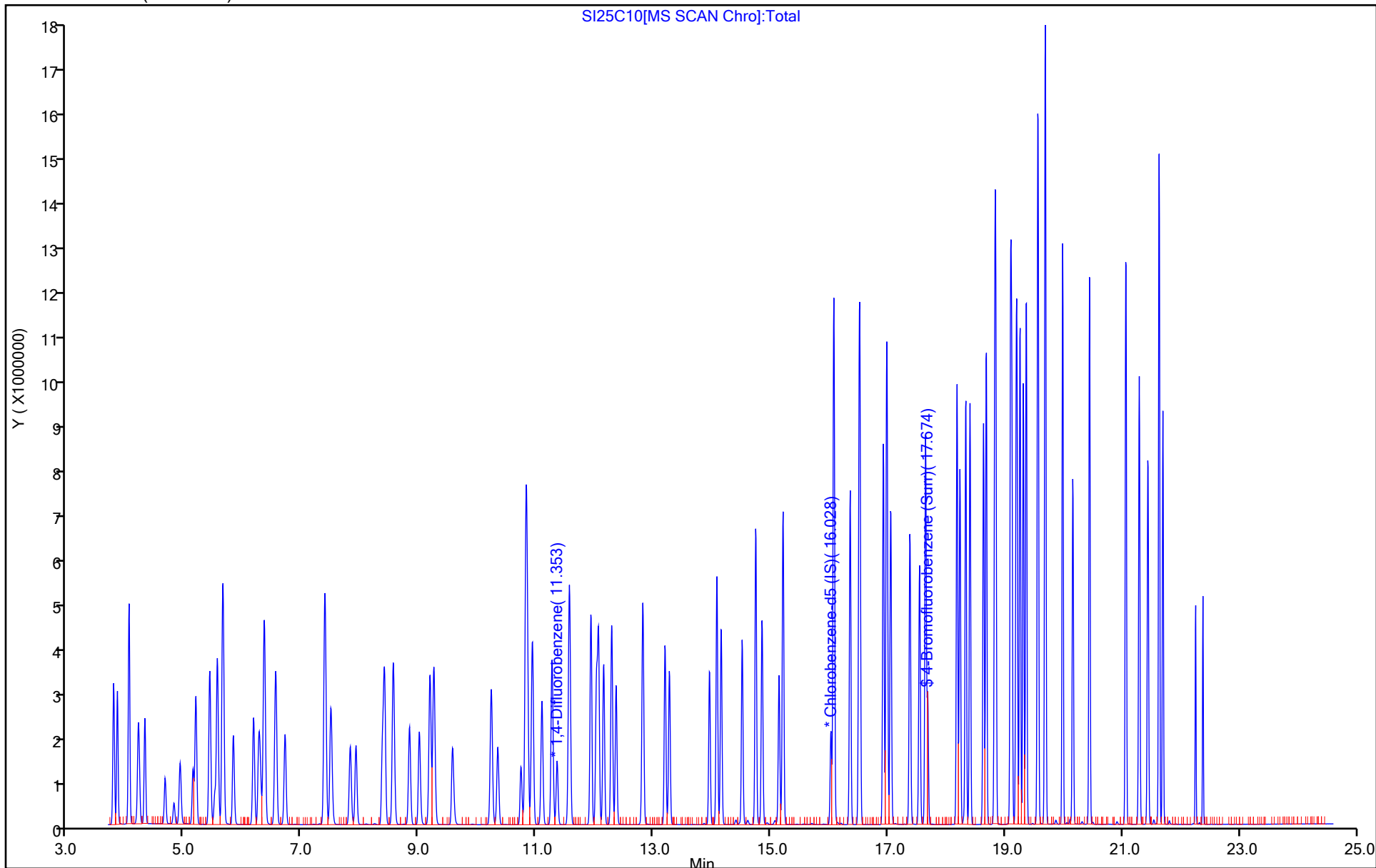
Dil. Factor: 1.0000

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\20210925-20838.b\SI25C10.D

Injection Date: 25-Sep-2021 11:54:30

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

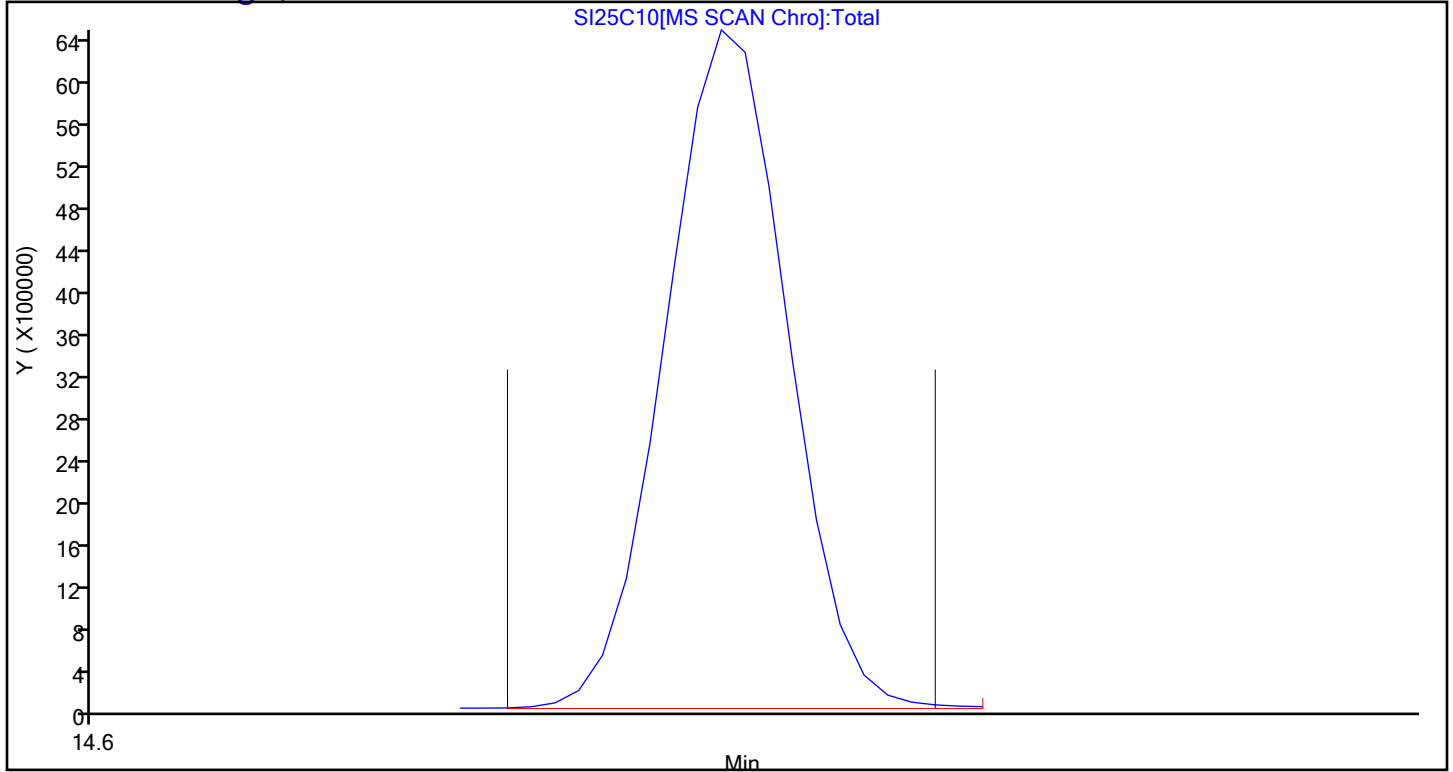
Method: MS_TO15A

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\20210925-20838.b\SI25C09.D
 Lims ID: IC L9
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 25-Sep-2021 13:26:30 ALS Bottle#: 6 Worklist Smp#: 5
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-005
 Misc. Info.: 417456
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:18:00 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa

Date: 27-Sep-2021 09:13:36

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	9.174	9.166	0.008	94	261346	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	96	1363186	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.028	16.025	0.003	90	1238986	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.679	17.676	0.003	95	1026326	4.64	4.68	
6 Chlorodifluoromethane	51	3.779	3.781	-0.002	97	1049984	8.00	7.07	
7 Propene	41	3.789	3.791	-0.002	99	491171	8.00	7.16	
8 Dichlorodifluoromethane	85	3.849	3.850	-0.001	100	1538674	8.00	7.35	
9 Chloromethane	52	4.042	4.043	-0.001	98	119545	8.00	6.28	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.048	4.049	-0.001	91	909698	8.00	6.95	
11 Acetaldehyde	44	4.204	4.206	-0.002	95	724486	40.0	38.2	
12 Vinyl chloride	62	4.220	4.225	-0.005	99	417599	8.00	6.39	
14 Butane	43	4.317	4.317	0.000	83	554249	8.00	6.14	
13 Butadiene	54	4.317	4.319	-0.002	73	321926	8.00	6.59	
15 Bromomethane	94	4.661	4.661	0.000	98	397010	8.00	6.68	
16 Chloroethane	64	4.811	4.811	0.000	96	162447	8.00	6.57	
17 Ethanol	31	4.908	4.908	0.000	93	714676	40.0	32.4	
18 Vinyl bromide	106	5.134	5.136	-0.002	98	526234	8.00	7.53	
19 2-Methylbutane	43	5.183	5.185	-0.002	92	745538	8.00	7.26	
20 Trichlorofluoromethane	101	5.419	5.423	-0.004	99	1521583	8.00	7.46	
21 Acrolein	56	5.430	5.435	-0.005	94	209127	8.00	7.64	
22 Acetonitrile	40	5.505	5.509	-0.004	99	270475	8.00	7.26	
23 Acetone	58	5.554	5.556	-0.002	98	873385	24.0	19.0	
24 Isopropyl alcohol	45	5.635	5.640	-0.005	96	2583289	24.0	22.3	
25 Pentane	72	5.651	5.656	-0.005	93	67977	8.00	7.63	
26 Ethyl ether	31	5.823	5.834	-0.011	94	663938	8.00	7.19	
27 1,1-Dichloroethene	96	6.172	6.170	0.002	95	546051	8.00	7.35	
29 2-Methyl-2-propanol	59	6.253	6.266	-0.013	95	967982	8.00	7.44	
28 Acrylonitrile	53	6.280	6.280	0.000	95	466235	8.00	7.24	
30 112TCTFE	101	6.350	6.351	-0.001	96	1183933	8.00	7.52	
31 Methylene Chloride	84	6.538	6.536	0.002	97	518347	8.00	6.56	

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	6.554	6.552	0.002	97	580985	8.00	6.76	
33 Carbon disulfide	76	6.705	6.706	-0.001	99	1738612	8.00	7.56	
34 trans-1,2-Dichloroethene	96	7.378	7.376	0.002	95	555297	8.00	7.54	
35 2-Methylpentane	43	7.394	7.390	0.004	94	1471500	8.00	7.13	
36 Methyl tert-butyl ether	73	7.490	7.506	-0.016	96	1495945	8.00	7.67	
37 1,1-Dichloroethane	63	7.819	7.815	0.004	100	1149309	8.00	7.46	
38 Vinyl acetate	43	7.915	7.915	0.000	100	1707369	8.00	7.87	
39 2-Butanone (MEK)	72	8.367	8.377	-0.010	97	289808	8.00	7.04	
40 Hexane	56	8.400	8.402	-0.002	91	488977	8.00	7.37	
41 Isopropyl ether	45	8.556	8.563	-0.007	97	2258114	8.00	7.39	
42 cis-1,2-Dichloroethene	96	8.830	8.825	0.005	98	578986	8.00	7.22	
43 Ethyl acetate	43	8.997	9.005	-0.008	99	1520144	8.00	7.39	
44 Chloroform	83	9.180	9.176	0.004	96	1339225	8.00	7.36	
45 Tert-butyl ethyl ether	59	9.250	9.259	-0.009	96	1948901	8.00	7.74	
46 Tetrahydrofuran	42	9.567	9.586	-0.019	94	746903	8.00	7.40	
47 1,1,1-Trichloroethane	97	10.229	10.225	0.004	97	1280838	8.00	7.72	
48 1,2-Dichloroethane	62	10.336	10.334	0.002	97	928124	8.00	7.45	
49 n-Butanol	31	10.734	10.749	-0.015	89	243359	8.00	8.14	
50 Cyclohexane	69	10.815	10.817	-0.002	82	304053	8.00	7.76	
51 Benzene	78	10.820	10.817	0.003	97	1894484	8.00	7.56	
52 Carbon tetrachloride	117	10.842	10.841	0.001	95	1194649	8.00	9.68	
53 2,3-Dimethylpentane	71	10.928	10.926	0.002	93	398638	8.00	7.63	
54 Thiophene	84	11.089	11.087	0.002	98	1050975	8.00	7.86	
55 Isooctane	57	11.563	11.560	0.003	97	3331098	8.00	7.62	
56 n-Heptane	71	11.929	11.925	0.004	93	621543	8.00	7.66	
57 1,2-Dichloropropane	63	12.025	12.020	0.005	94	784040	8.00	7.55	
58 Trichloroethene	130	12.058	12.052	0.006	92	674518	8.00	7.38	
59 Dibromomethane	93	12.144	12.139	0.005	96	790091	8.00	7.67	
61 1,4-Dioxane	88	12.278	12.290	-0.012	91	278621	8.00	7.92	
60 Dichlorobromomethane	83	12.284	12.280	0.004	99	1417611	8.00	8.31	
62 Methyl methacrylate	41	12.359	12.359	0.000	92	930967	8.00	7.72	
63 Methylcyclohexane	83	12.816	12.814	0.002	94	1133089	8.00	7.59	
64 4-Methyl-2-pentanone (MIBK)	43	13.193	13.200	-0.007	97	1676506	8.00	7.66	
65 cis-1,3-Dichloropropene	75	13.268	13.267	0.001	96	1099926	8.00	8.33	
66 trans-1,3-Dichloropropene	75	13.951	13.950	0.001	98	1019535	8.00	8.30	
67 Toluene	91	14.075	14.076	-0.001	92	2293544	8.00	7.28	
68 1,1,2-Trichloroethane	83	14.150	14.149	0.001	95	754179	8.00	7.49	
69 2-Hexanone	58	14.511	14.517	-0.006	92	809339	8.00	7.82	
70 n-Octane	85	14.742	14.742	0.000	95	621470	8.00	7.80	
71 Chlorodibromomethane	129	14.850	14.848	0.002	98	1256169	8.00	8.90	
72 Ethylene Dibromide	107	15.140	15.139	0.001	98	1208432	8.00	7.89	
73 Tetrachloroethene	129	15.210	15.205	0.005	94	737083	8.00	7.58	
75 Chlorobenzene	112	16.076	16.074	0.002	91	1613459	8.00	7.55	
74 2,3-Dimethylheptane	43	16.076	16.076	0.000	95	2202551	8.00	6.70	
76 Ethylbenzene	91	16.356	16.353	0.003	99	3042071	8.00	7.68	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	99	4821495	16.0	14.7	
78 n-Nonane	57	16.921	16.919	0.002	93	1653892	8.00	7.55	
79 Bromoform	173	16.975	16.974	0.001	98	1714069	8.00	10.4	
80 Styrene	104	16.985	16.984	0.001	99	1665840	8.00	8.39	
81 o-Xylene	91	17.045	17.045	0.000	97	2455269	8.00	7.42	
82 1,1,2,2-Tetrachloroethane	83	17.373	17.374	-0.001	98	1916989	8.00	8.01	
83 1,2,3-Trichloropropane	110	17.540	17.538	0.002	97	371402	8.00	8.08	

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	17.642	17.641	0.001	97	3111253	8.00	7.72	
85 N-Propylbenzene	120	18.180	18.179	0.001	98	815036	8.00	8.13	
86 2-Chlorotoluene	126	18.228	18.229	-0.001	96	728685	8.00	7.81	
87 4-Ethyltoluene	105	18.330	18.328	0.002	99	3236904	8.00	8.13	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	91	1186056	8.00	7.91	
89 Alpha Methyl Styrene	118	18.632	18.632	0.000	86	1314303	8.00	8.73	
90 n-Decane	57	18.675	18.676	-0.001	88	2169687	8.00	7.74	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	87	2725845	8.00	8.00	
92 1,2,4-Trimethylbenzene	105	18.841	18.838	0.003	96	2832497	8.00	7.99	
93 sec-Butylbenzene	105	19.094	19.093	0.001	98	4075795	8.00	8.02	
94 1,3-Dichlorobenzene	146	19.116	19.114	0.002	99	1836179	8.00	8.57	
95 Benzyl chloride	91	19.186	19.185	0.001	97	2149770	8.00	8.58	
96 1,4-Dichlorobenzene	146	19.202	19.199	0.003	96	1790729	8.00	8.64	
97 4-Isopropyltoluene	119	19.256	19.252	0.004	96	3119644	8.00	8.10	
98 1,2,3-Trimethylbenzene	105	19.309	19.309	0.000	99	2838424	8.00	7.89	
99 Butylcyclohexane	83	19.358	19.358	0.000	94	2402452	8.00	7.80	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	93	2581937	8.00	8.45	
101 1,2-Dichlorobenzene	146	19.562	19.560	0.002	97	1806778	8.00	8.54	
102 n-Butylbenzene	91	19.686	19.684	0.002	95	3634502	8.00	8.21	
103 Indene	116	19.686	19.687	-0.001	88	2199271	8.00	9.17	
104 Undecane	57	19.982	19.982	0.000	95	2503967	8.00	8.04	
105 1,2-Dibromo-3-Chloropropane	157	20.159	20.158	0.001	98	947178	8.00	10.9	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	3136260	8.00	8.24	
107 Dodecane	57	21.058	21.060	-0.002	96	2513169	8.00	7.82	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	93	1489241	8.00	8.01	
109 Naphthalene	128	21.440	21.439	0.001	99	2915663	8.00	9.35	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	90	2136599	8.00	7.23	
111 1,2,3-Trichlorobenzene	180	21.693	21.693	0.000	95	1315331	8.00	8.74	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	98	680937	8.00	10.7	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	98	707976	8.00	9.62	
A 115 C8 Range	1	14.742	(14.694-14.791)		0	6535986	8.00	7.34	
S 116 Xylenes, Total	100				0		24.0	22.1	
S 117 1,2-Dichloroethene, Total	1				0		16.0	14.8	

QC Flag Legend

Processing Flags

Reagents:

40L9DQP_00027

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25C09.D

Injection Date: 25-Sep-2021 13:26:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L9

Worklist Smp#: 5

Client ID:

Purge Vol: 500.000 mL

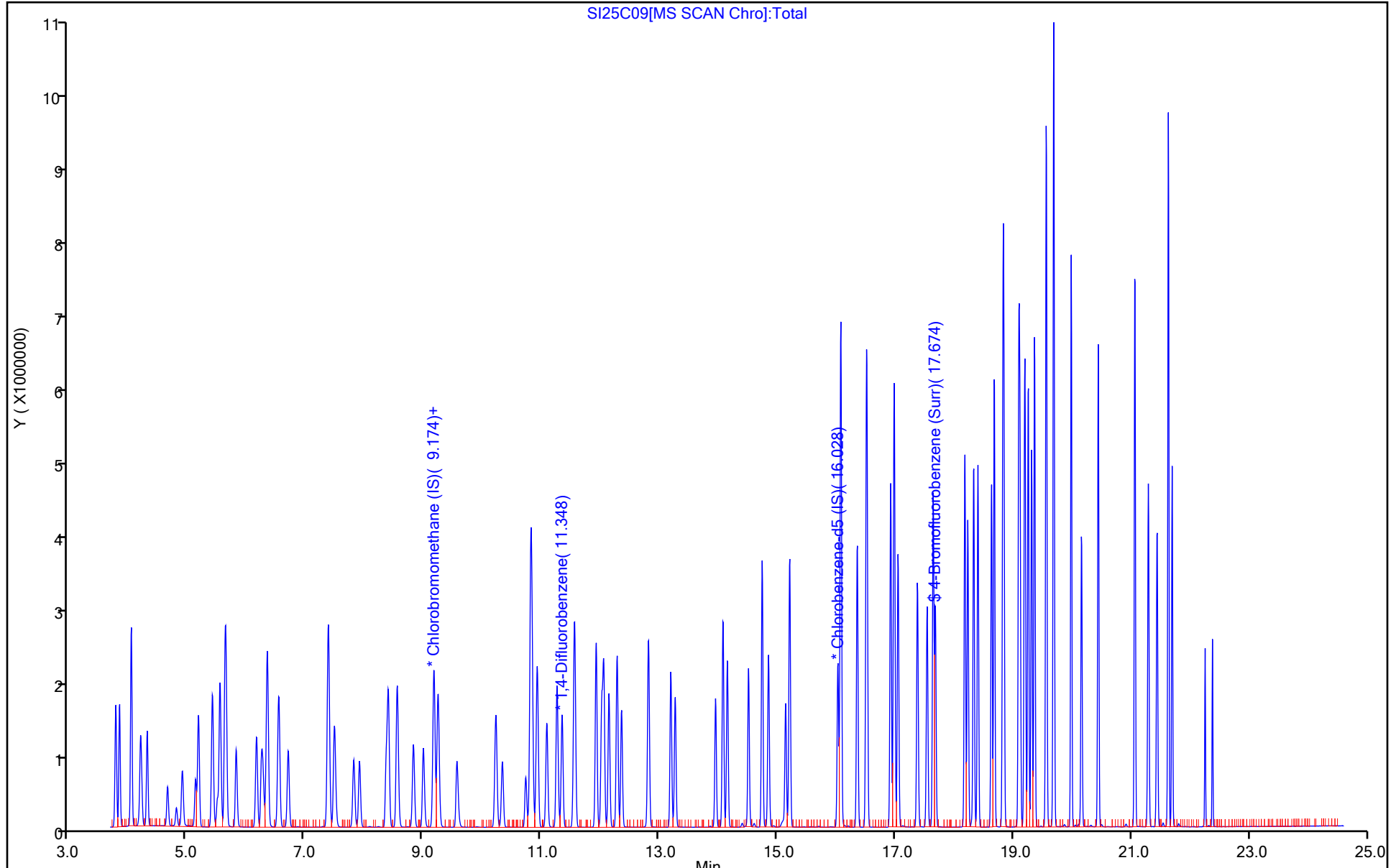
Dil. Factor: 1.0000

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\20210925-20838.b\SI25C09.D

Injection Date: 25-Sep-2021 13:26:30

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

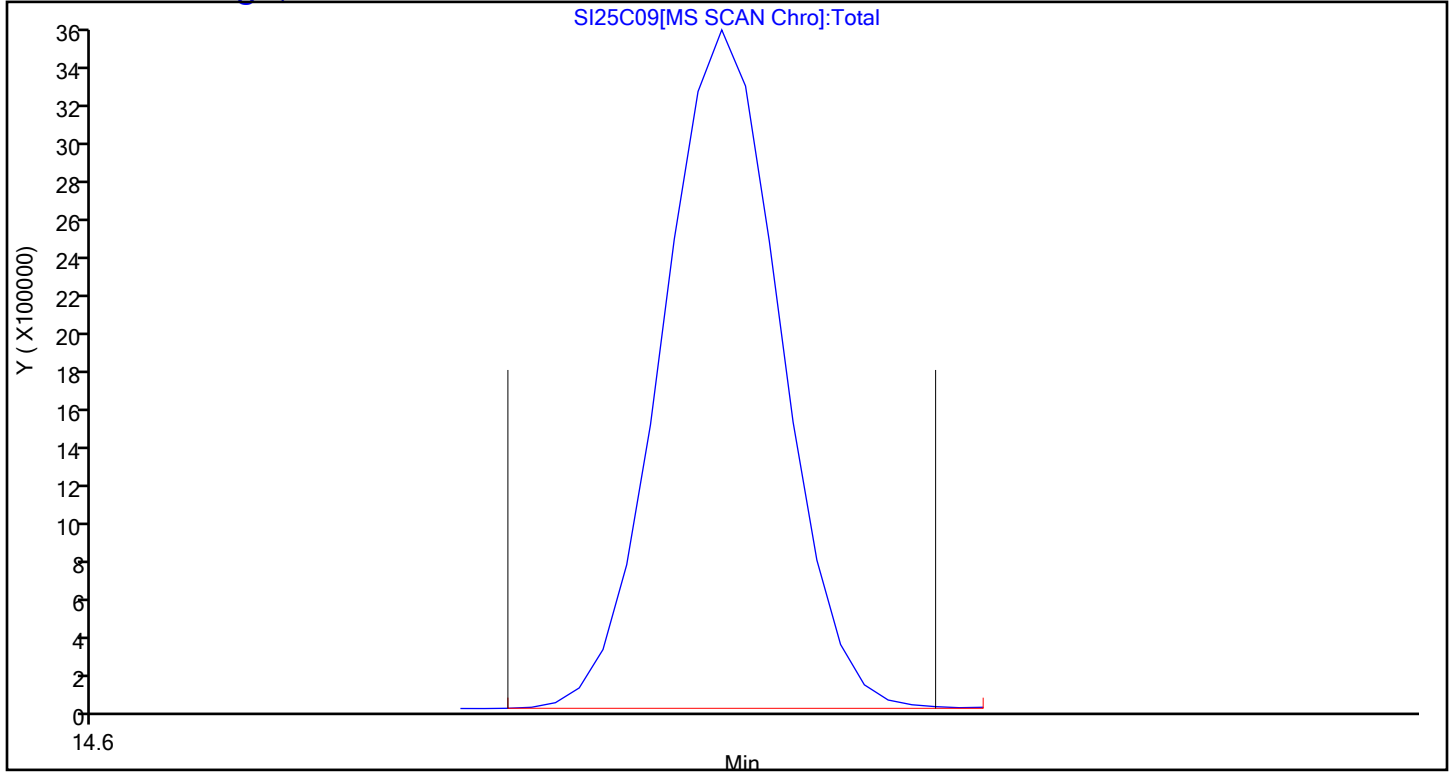
Method: MS_TO15A

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\20210925-20838.b\SI251C08.D
 Lims ID: IC L8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 25-Sep-2021 15:00:30 ALS Bottle#: 8 Worklist Smp#: 7
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-007
 Misc. Info.: 417457
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1
 Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:18:08 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa Date: 27-Sep-2021 09:16:27

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	9.169	9.166	0.003	93	240493	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.347	11.348	-0.001	96	1267572	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.028	16.025	0.003	90	1145953	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.679	17.676	0.003	95	979385	4.64	4.83	
6 Chlorodifluoromethane	51	3.778	3.781	-0.003	97	521146	4.00	3.81	
7 Propene	41	3.789	3.791	-0.002	99	245658	4.00	3.89	
8 Dichlorodifluoromethane	85	3.848	3.850	-0.002	100	692546	4.00	3.59	
9 Chloromethane	52	4.042	4.043	-0.001	98	64516	4.00	3.68	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.047	4.049	-0.002	92	450053	4.00	3.74	
11 Acetaldehyde	44	4.203	4.206	-0.003	94	398481	20.0	21.5	
12 Vinyl chloride	62	4.225	4.225	0.000	99	215147	4.00	3.58	
14 Butane	43	4.316	4.317	-0.001	84	292753	4.00	3.52	
13 Butadiene	54	4.316	4.319	-0.003	70	164295	4.00	3.66	
15 Bromomethane	94	4.661	4.661	0.000	98	199017	4.00	3.64	
16 Chloroethane	64	4.811	4.811	0.000	95	81947	4.00	3.60	
17 Ethanol	31	4.908	4.908	0.000	93	373921	20.0	18.4	
18 Vinyl bromide	106	5.134	5.136	-0.002	98	255688	4.00	3.98	
19 2-Methylbutane	43	5.188	5.185	0.003	93	369054	4.00	3.90	
20 Trichlorofluoromethane	101	5.425	5.423	0.002	99	746136	4.00	3.98	
21 Acrolein	56	5.430	5.435	-0.005	94	88843	4.00	3.53	
22 Acetonitrile	40	5.505	5.509	-0.004	97	135423	4.00	3.95	
23 Acetone	58	5.554	5.556	-0.002	98	445153	12.0	10.5	
24 Isopropyl alcohol	45	5.634	5.640	-0.006	97	1290422	12.0	12.1	
25 Pentane	72	5.651	5.656	-0.006	94	33196	4.00	4.05	
26 Ethyl ether	31	5.823	5.834	-0.011	94	338233	4.00	3.98	
27 1,1-Dichloroethene	96	6.172	6.170	0.002	94	264907	4.00	3.87	
29 2-Methyl-2-propanol	59	6.253	6.266	-0.013	95	480218	4.00	4.01	
28 Acrylonitrile	53	6.280	6.280	0.000	95	229060	4.00	3.86	
30 112TCTFE	101	6.355	6.351	0.004	95	578880	4.00	3.99	
31 Methylene Chloride	84	6.538	6.536	0.002	97	258359	4.00	3.55	

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	6.549	6.552	-0.003	97	295844	4.00	3.74	
33 Carbon disulfide	76	6.705	6.706	-0.001	99	852973	4.00	4.03	
34 trans-1,2-Dichloroethene	96	7.377	7.376	0.001	94	268505	4.00	3.96	
35 2-Methylpentane	43	7.393	7.390	0.003	95	737181	4.00	3.88	
36 Methyl tert-butyl ether	73	7.496	7.506	-0.010	96	734101	4.00	4.09	
37 1,1-Dichloroethane	63	7.818	7.815	0.003	100	560568	4.00	3.95	
38 Vinyl acetate	43	7.915	7.915	0.000	100	803399	4.00	4.03	
39 2-Butanone (MEK)	72	8.373	8.377	-0.004	97	144918	4.00	3.82	
40 Hexane	56	8.399	8.402	-0.003	89	240753	4.00	3.95	
41 Isopropyl ether	45	8.555	8.563	-0.008	97	1117037	4.00	3.97	
42 cis-1,2-Dichloroethene	96	8.830	8.825	0.005	99	285449	4.00	3.87	
43 Ethyl acetate	43	8.997	9.005	-0.008	99	745984	4.00	3.94	
44 Chloroform	83	9.180	9.176	0.004	96	659599	4.00	3.94	
45 Tert-butyl ethyl ether	59	9.249	9.259	-0.010	97	955394	4.00	4.12	
46 Tetrahydrofuran	42	9.567	9.586	-0.019	95	366139	4.00	3.94	
47 1,1,1-Trichloroethane	97	10.229	10.225	0.004	96	613043	4.00	4.02	
48 1,2-Dichloroethane	62	10.336	10.334	0.002	97	454978	4.00	3.93	
49 n-Butanol	31	10.740	10.749	-0.009	91	111188	4.00	4.00	
50 Cyclohexane	69	10.815	10.817	-0.002	77	144735	4.00	3.97	
51 Benzene	78	10.820	10.817	0.003	97	921922	4.00	3.95	
52 Carbon tetrachloride	117	10.842	10.841	0.001	95	516531	4.00	4.50	
53 2,3-Dimethylpentane	71	10.928	10.926	0.002	92	195051	4.00	4.01	
54 Thiophene	84	11.089	11.087	0.002	99	516789	4.00	4.15	
55 Isooctane	57	11.563	11.560	0.003	98	1640963	4.00	4.04	
56 n-Heptane	71	11.928	11.925	0.003	93	302874	4.00	4.01	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	92	384362	4.00	3.98	
58 Trichloroethene	130	12.058	12.052	0.006	91	322809	4.00	3.80	
59 Dibromomethane	93	12.144	12.139	0.005	97	386424	4.00	4.03	
61 1,4-Dioxane	88	12.284	12.290	-0.006	92	132435	4.00	4.05	
60 Dichlorobromomethane	83	12.284	12.280	0.004	98	678724	4.00	4.28	
62 Methyl methacrylate	41	12.359	12.359	0.000	91	451425	4.00	4.02	
63 Methylcyclohexane	83	12.811	12.814	-0.003	94	559911	4.00	4.03	
64 4-Methyl-2-pentanone (MIBK)	43	13.193	13.200	-0.007	97	819473	4.00	4.02	
65 cis-1,3-Dichloropropene	75	13.268	13.267	0.001	97	521513	4.00	4.25	
66 trans-1,3-Dichloropropene	75	13.951	13.950	0.001	98	473446	4.00	4.17	
67 Toluene	91	14.075	14.076	-0.001	92	1106491	4.00	3.80	
68 1,1,2-Trichloroethane	83	14.150	14.149	0.001	95	361779	4.00	3.88	
69 2-Hexanone	58	14.511	14.517	-0.006	92	387703	4.00	4.05	
70 n-Octane	85	14.742	14.742	0.000	95	300565	4.00	4.08	
71 Chlorodibromomethane	129	14.850	14.848	0.002	97	577789	4.00	4.43	
72 Ethylene Dibromide	107	15.140	15.139	0.001	98	566453	4.00	4.00	
73 Tetrachloroethene	129	15.205	15.205	0.000	94	355885	4.00	3.96	
75 Chlorobenzene	112	16.076	16.074	0.002	89	763364	4.00	3.86	
74 2,3-Dimethylheptane	43	16.076	16.076	0.000	94	1155269	4.00	3.80	
76 Ethylbenzene	91	16.356	16.353	0.003	99	1433946	4.00	3.91	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	99	2311604	8.00	7.62	
78 n-Nonane	57	16.921	16.919	0.002	94	809208	4.00	3.99	
79 Bromoform	173	16.975	16.974	0.001	97	727393	4.00	4.75	
80 Styrene	104	16.985	16.984	0.001	98	766662	4.00	4.17	
81 o-Xylene	91	17.044	17.045	-0.001	98	1185895	4.00	3.87	
82 1,1,2,2-Tetrachloroethane	83	17.373	17.374	-0.001	98	909692	4.00	4.11	
83 1,2,3-Trichloropropane	110	17.539	17.538	0.001	96	174581	4.00	4.10	

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	17.642	17.641	0.001	96	1465654	4.00	3.93	
85 N-Propylbenzene	120	18.180	18.179	0.001	98	379570	4.00	4.09	
86 2-Chlorotoluene	126	18.228	18.229	-0.001	97	349034	4.00	4.05	
87 4-Ethyltoluene	105	18.325	18.328	-0.003	98	1516716	4.00	4.12	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	90	555549	4.00	4.00	
89 Alpha Methyl Styrene	118	18.631	18.632	-0.001	84	571069	4.00	4.10	
90 n-Decane	57	18.674	18.676	-0.002	88	1052135	4.00	4.06	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	87	1277988	4.00	4.05	
92 1,2,4-Trimethylbenzene	105	18.836	18.838	-0.002	96	1335781	4.00	4.07	
93 sec-Butylbenzene	105	19.094	19.093	0.001	99	1909565	4.00	4.06	
94 1,3-Dichlorobenzene	146	19.116	19.114	0.002	98	811761	4.00	4.10	
95 Benzyl chloride	91	19.186	19.185	0.001	96	829627	4.00	3.66	
96 1,4-Dichlorobenzene	146	19.202	19.199	0.003	94	788259	4.00	4.11	
97 4-Isopropyltoluene	119	19.250	19.252	-0.002	96	1445755	4.00	4.06	
98 1,2,3-Trimethylbenzene	105	19.309	19.309	0.000	99	1319546	4.00	4.07	
99 Butylcyclohexane	83	19.358	19.358	0.000	93	1154842	4.00	4.05	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	92	1204186	4.00	4.26	
101 1,2-Dichlorobenzene	146	19.562	19.560	0.002	82	809195	4.00	4.14	
102 n-Butylbenzene	91	19.686	19.684	0.002	94	1694618	4.00	4.14	
103 Indene	116	19.686	19.687	-0.001	73	962018	4.00	4.34	
104 Undecane	57	19.982	19.982	0.000	95	1162765	4.00	4.04	
105 1,2-Dibromo-3-Chloropropane	157	20.159	20.158	0.001	94	382926	4.00	4.78	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	1347535	4.00	3.83	
107 Dodecane	57	21.063	21.060	0.003	94	945583	4.00	3.18	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	94	525195	4.00	3.94	
109 Naphthalene	128	21.440	21.439	0.001	99	1030896	4.00	3.57	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	91	1042769	4.00	3.82	
111 1,2,3-Trichlorobenzene	180	21.692	21.693	-0.001	94	532934	4.00	3.83	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	98	124686	4.00	2.13	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	98	165821	4.00	2.44	
A 115 C8 Range	1	14.742	(14.694-14.790)		0	3254577	4.00	3.93	
S 116 Xylenes, Total	100				0		12.0	11.5	
S 117 1,2-Dichloroethene, Total	1				0		8.00	7.83	

QC Flag Legend

Processing Flags

Reagents:

40L8DQP_00026

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC08.D

Injection Date: 25-Sep-2021 15:00:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L8

Worklist Smp#: 7

Client ID:

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

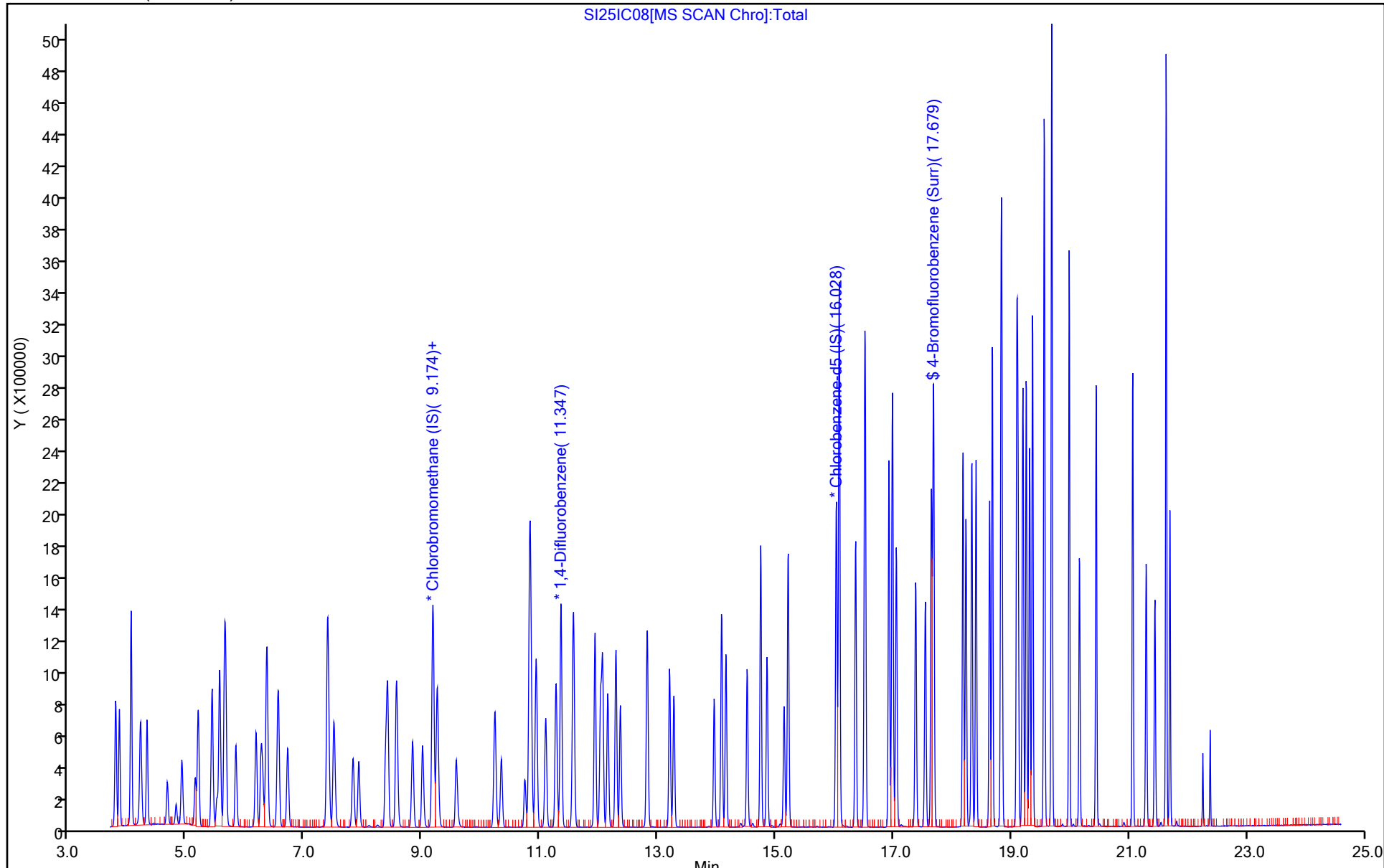
ALS Bottle#: 8

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

SI25IC08[MS SCAN Chro]:Total



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC08.D

Injection Date: 25-Sep-2021 15:00:30

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

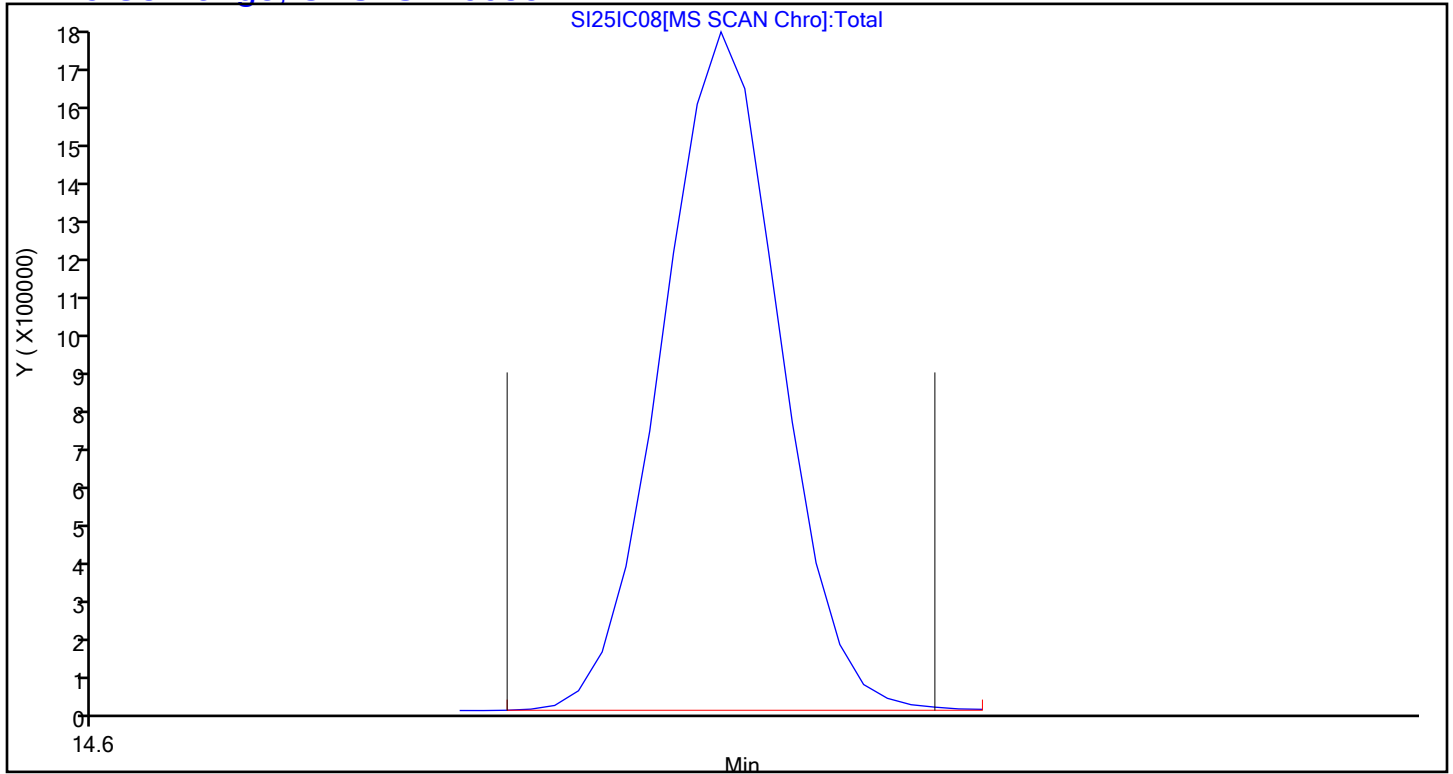
Method: MS_TO15A

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\20210925-20838.b\SI251C01.D
 Lims ID: IC L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 25-Sep-2021 16:33:30 ALS Bottle#: 10 Worklist Smp#: 9
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-009
 Misc. Info.: 418740
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:18:14 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa

Date: 27-Sep-2021 09:13:11

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	9.169	9.166	0.003	94	246027	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	96	1334813	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.022	16.025	-0.003	92	1142935	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.676	-0.002	93	896241	4.64	4.43	
6 Chlorodifluoromethane	51	3.789	3.781	0.008	37	2788	0.0200	0.0199	
7 Propene	41	3.805	3.791	0.014	90	2600	0.0200	0.0403	
8 Dichlorodifluoromethane	85	3.859	3.850	0.009	97	4574	0.0200	0.0232	
9 Chloromethane	52	4.058	4.043	0.015	58	365	0.0200	0.0204	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.053	4.049	0.004	87	2810	0.0200	0.0228	
11 Acetaldehyde	44	4.203	4.206	-0.003	93	7260	0.1000	-2.90	
12 Vinyl chloride	62	4.230	4.225	0.005	44	1455	0.0200	0.0237	
14 Butane	43	4.316	4.317	-0.001	53	2098	0.0200	0.0247	
13 Butadiene	54	4.327	4.319	0.008	57	1657	0.0200	0.0360	
15 Bromomethane	94	4.666	4.661	0.005	51	2708	0.0200	0.0484	
16 Chloroethane	64	4.817	4.811	0.006	41	1627	0.0200	0.0699	
17 Ethanol	31	4.919	4.908	0.011	94	5349	0.1000	0.2573	
18 Vinyl bromide	106	5.145	5.136	0.009	53	1358	0.0200	0.0206	
19 2-Methylbutane	43	5.183	5.185	-0.002	70	2602	0.0200	0.0269	
20 Trichlorofluoromethane	101	5.435	5.423	0.012	96	3727	0.0200	0.0194	
21 Acrolein	56	5.452	5.435	0.017	50	1334	0.0200	0.0518	
22 Acetonitrile	40	5.521	5.509	0.012	41	1094	0.0200	0.0312	
23 Acetone	58	5.559	5.556	0.003	99	6819	0.0600	0.1577	
24 Isopropyl alcohol	45	5.656	5.640	0.016	92	8612	0.0600	0.0790	
26 Ethyl ether	31	5.860	5.834	0.026	68	1733	0.0200	0.0199	
27 1,1-Dichloroethene	96	6.167	6.170	-0.003	78	2020	0.0200	0.0289	
29 2-Methyl-2-propanol	59	6.285	6.266	0.019	81	2571	0.0200	0.0210	
28 Acrylonitrile	53	6.296	6.280	0.016	85	2344	0.0200	0.0387	
30 112TCTFE	101	6.345	6.351	-0.006	52	3161	0.0200	0.0213	
31 Methylene Chloride	84	6.538	6.536	0.002	94	4513	0.0200	0.0607	
32 3-Chloro-1-propene	39	6.560	6.552	0.008	57	2907	0.0200	0.0359	

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	6.705	6.706	-0.001	96	7183	0.0200	0.0332	
34 trans-1,2-Dichloroethene	96	7.383	7.376	0.007	73	1377	0.0200	0.0199	
35 2-Methylpentane	43	7.388	7.390	-0.002	92	4548	0.0200	0.0234	
36 Methyl tert-butyl ether	73	7.528	7.506	0.022	86	3192	0.0200	0.0174	
37 1,1-Dichloroethane	63	7.819	7.815	0.004	93	3491	0.0200	0.0241	
38 Vinyl acetate	43	7.921	7.915	0.006	85	4942	0.0200	0.0242	
39 2-Butanone (MEK)	72	8.389	8.377	0.012	91	1411	0.0200	0.0364	
40 Hexane	56	8.405	8.402	0.003	60	1328	0.0200	0.0213	
41 Isopropyl ether	45	8.582	8.563	0.019	98	5650	0.0200	0.0196	
42 cis-1,2-Dichloroethene	96	8.819	8.825	-0.006	94	1677	0.0200	0.0222	
43 Ethyl acetate	43	9.018	9.005	0.013	96	5244	0.0200	0.0271	
44 Chloroform	83	9.174	9.176	-0.002	27	4546	0.0200	0.0265	
45 Tert-butyl ethyl ether	59	9.287	9.259	0.028	76	4524	0.0200	0.0191	
46 Tetrahydrofuran	42	9.615	9.586	0.029	53	3106	0.0200	0.0327	
47 1,1,1-Trichloroethane	97	10.229	10.225	0.004	87	3831	0.0200	0.0245	
48 1,2-Dichloroethane	62	10.342	10.334	0.008	93	3620	0.0200	0.0297	
49 n-Butanol	31	10.767	10.749	0.018	90	2939	0.0200	0.1004	
50 Cyclohexane	69	10.804	10.817	-0.013	60	879	0.0200	0.0229	
51 Benzene	78	10.815	10.817	-0.002	94	6695	0.0200	0.0273	
52 Carbon tetrachloride	117	10.842	10.841	0.001	50	1791	0.0200	0.0148	
53 2,3-Dimethylpentane	71	10.933	10.926	0.007	90	1184	0.0200	0.0231	
54 Thiophene	84	11.100	11.087	0.013	90	2816	0.0200	0.0215	
55 Isooctane	57	11.563	11.560	0.003	96	8761	0.0200	0.0205	
56 n-Heptane	71	11.929	11.925	0.004	83	1731	0.0200	0.0218	
57 1,2-Dichloropropane	63	12.009	12.020	-0.011	51	3074	0.0200	0.0302	
58 Trichloroethene	130	12.047	12.052	-0.005	66	2315	0.0200	0.0259	
59 Dibromomethane	93	12.144	12.139	0.005	92	2675	0.0200	0.0265	
60 Dichlorobromomethane	83	12.289	12.280	0.009	50	3018	0.0200	0.0181	
62 Methyl methacrylate	41	12.364	12.359	0.005	40	3179	0.0200	0.0269	
63 Methylcyclohexane	83	12.816	12.814	0.002	84	2584	0.0200	0.0177	
64 4-Methyl-2-pentanone (MIBK)	43	13.204	13.200	0.004	93	7518	0.0200	0.0351	
65 cis-1,3-Dichloropropene	75	13.273	13.267	0.006	60	2237	0.0200	0.0173	
66 trans-1,3-Dichloropropene	75	13.946	13.950	-0.004	92	2553	0.0200	0.0225	
67 Toluene	91	14.080	14.076	0.004	93	11377	0.0200	0.0391	
68 1,1,2-Trichloroethane	83	14.145	14.149	-0.004	86	2694	0.0200	0.0290	
69 2-Hexanone	58	14.532	14.517	0.015	92	3045	0.0200	0.0319	
70 n-Octane	85	14.737	14.742	-0.005	89	1565	0.0200	0.0213	
71 Chlorodibromomethane	129	14.844	14.848	-0.004	93	2182	0.0200	0.0168	
72 Ethylene Dibromide	107	15.135	15.139	-0.004	82	3937	0.0200	0.0279	
73 Tetrachloroethene	129	15.210	15.205	0.005	94	2279	0.0200	0.0254	
75 Chlorobenzene	112	16.071	16.074	-0.003	88	6597	0.0200	0.0335	
74 2,3-Dimethylheptane	43	16.082	16.076	0.006	93	7041	0.0200	0.0232	
76 Ethylbenzene	91	16.351	16.353	-0.002	98	10608	0.0200	0.0290	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	99	18883	0.0400	0.0624	
78 n-Nonane	57	16.915	16.919	-0.004	93	4166	0.0200	0.0206	
79 Bromoform	173	16.975	16.974	0.001	73	2221	0.0200	0.0145	
80 Styrene	104	16.985	16.984	0.001	88	3744	0.0200	0.0204	
81 o-Xylene	91	17.045	17.045	0.000	96	9211	0.0200	0.0302	
82 1,1,2,2-Tetrachloroethane	83	17.378	17.374	0.004	88	4932	0.0200	0.0223	
83 1,2,3-Trichloropropane	110	17.550	17.538	0.012	93	1130	0.0200	0.0266	
84 Isopropylbenzene	105	17.636	17.641	-0.005	88	11703	0.0200	0.0315	
85 N-Propylbenzene	120	18.174	18.179	-0.005	97	1987	0.0200	0.0215	

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	18.228	18.229	-0.001	95	2603	0.0200	0.0303	
87 4-Ethyltoluene	105	18.330	18.328	0.002	97	10253	0.0200	0.0279	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	92	3779	0.0200	0.0273	
89 Alpha Methyl Styrene	118	18.632	18.632	0.000	85	2229	0.0200	0.0161	
90 n-Decane	57	18.680	18.676	0.004	88	5462	0.0200	0.0211	
91 tert-Butylbenzene	119	18.831	18.826	0.005	84	7946	0.0200	0.0253	
92 1,2,4-Trimethylbenzene	105	18.841	18.838	0.003	95	8879	0.0200	0.0272	
93 sec-Butylbenzene	105	19.094	19.093	0.001	96	11467	0.0200	0.0245	
94 1,3-Dichlorobenzene	146	19.116	19.114	0.002	93	6016	0.0200	0.0304	
95 Benzyl chloride	91	19.180	19.185	-0.005	94	3193	0.0200	0.1502	
96 1,4-Dichlorobenzene	146	19.196	19.199	-0.003	90	6629	0.0200	0.0347	
97 4-Isopropyltoluene	119	19.256	19.252	0.004	95	9327	0.0200	0.0262	
98 1,2,3-Trimethylbenzene	105	19.304	19.309	-0.005	98	6774	0.0200	0.0215	
99 Butylcyclohexane	83	19.358	19.358	0.000	92	5483	0.0200	0.0193	
100 2,3-Dihydroindene	117	19.562	19.558	0.004	79	5794	0.0200	0.0206	
101 1,2-Dichlorobenzene	146	19.562	19.560	0.002	90	6896	0.0200	0.0354	
102 n-Butylbenzene	91	19.686	19.684	0.002	92	11866	0.0200	0.0291	
103 Indene	116	19.691	19.687	0.004	65	4527	0.0200	0.0205	
104 Undecane	57	19.982	19.982	0.000	91	5832	0.0200	0.0203	
105 1,2-Dibromo-3-Chloropropane	157	20.154	20.158	-0.004	78	1807	0.0200	0.0226	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	8936	0.0200	0.0254	
107 Dodecane	57	21.063	21.060	0.003	91	6228	0.0200	0.0210	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	91	5222	0.0200	0.0543	
109 Naphthalene	128	21.445	21.439	0.006	98	12722	0.0200	0.0442	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	90	9113	0.0200	0.0334	
111 1,2,3-Trichlorobenzene	180	21.692	21.693	-0.001	95	6504	0.0200	0.0469	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	90	1970	0.0200	0.0337	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	98	2401	0.0200	0.0354	
A 115 C8 Range	1	14.747	(14.710-14.785)		0	21319	0.0200	0.0244	
S 116 Xylenes, Total	100				0		0.0600	0.0926	
S 117 1,2-Dichloroethene, Total	1				0		0.0400	0.0421	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00047

Amount Added: 50.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC01.D

Injection Date: 25-Sep-2021 16:33:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L1

Worklist Smp#: 9

Client ID:

Purge Vol: 500.000 mL

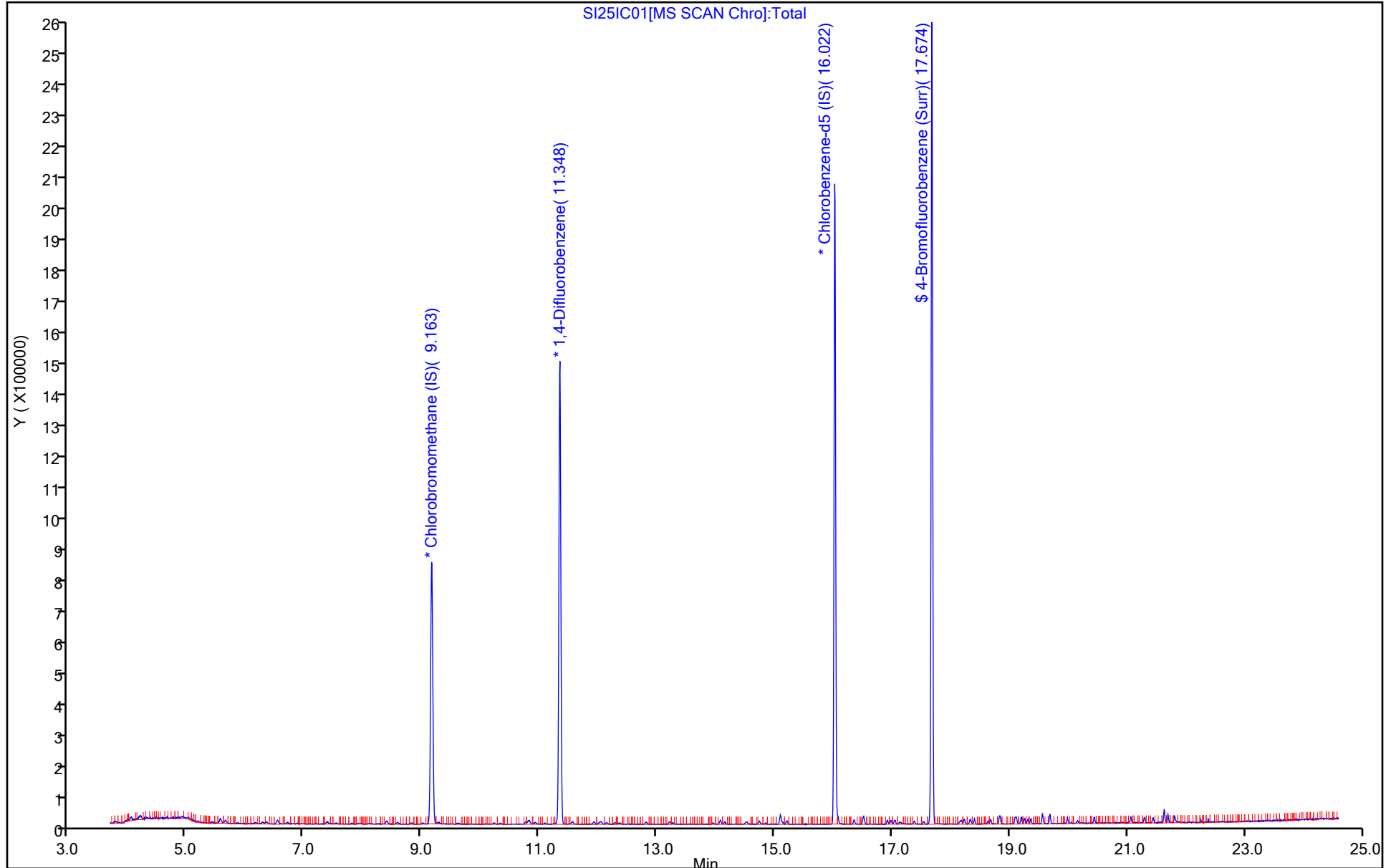
Dil. Factor: 1.0000

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\20210925-20838.b\SI25IC01.D

Injection Date: 25-Sep-2021 16:33:30

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

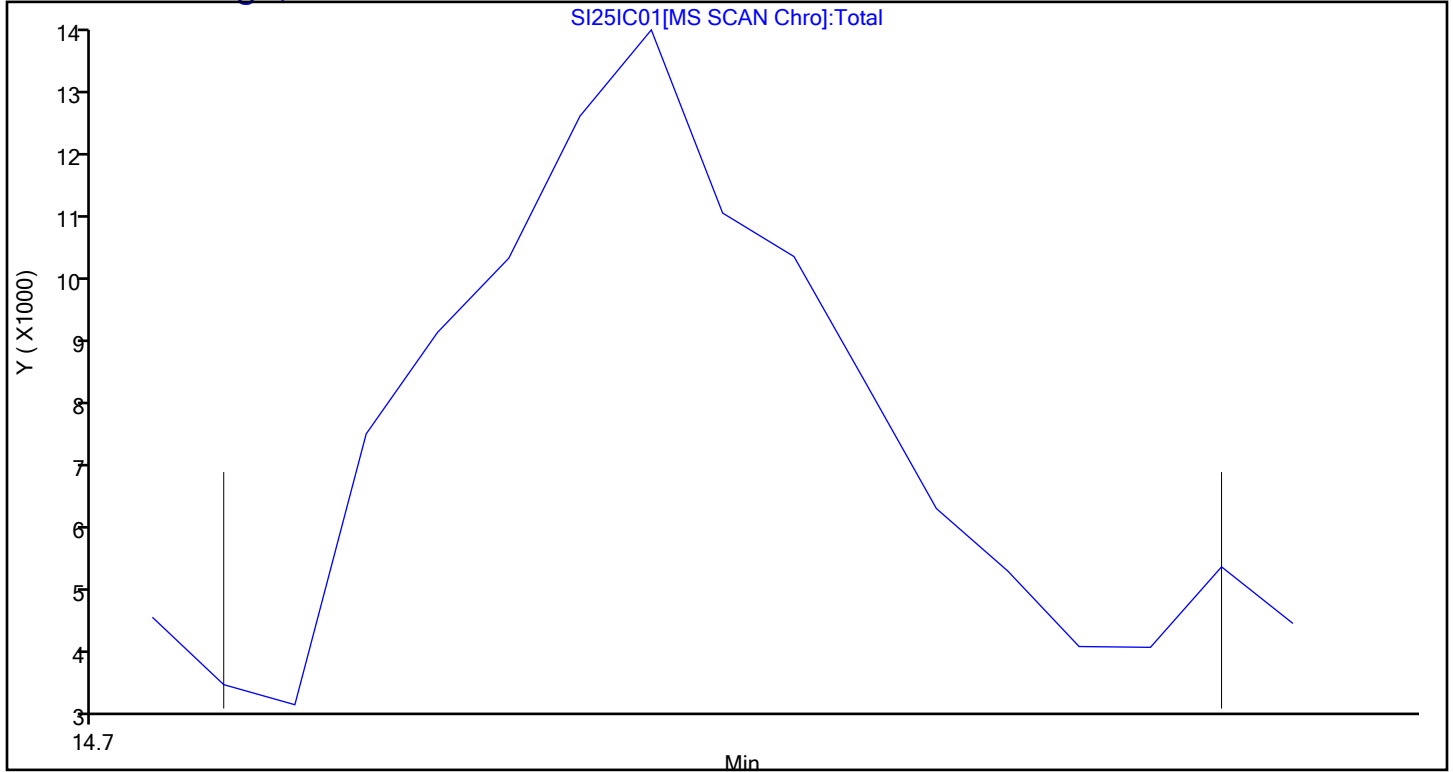
Method: MS_TO15A

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\20210925-20838.b\SI251C02.D
 Lims ID: IC L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 25-Sep-2021 17:19:30 ALS Bottle#: 11 Worklist Smp#: 10
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-010
 Misc. Info.: 418740
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:18:19 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa

Date: 27-Sep-2021 09:12:59

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	9.158	9.166	-0.008	94	235125	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	96	1292857	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.023	16.025	-0.002	92	1100647	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.676	-0.002	93	871240	4.64	4.47	
6 Chlorodifluoromethane	51	3.789	3.781	0.008	95	5894	0.0400	0.0441	
7 Propene	41	3.784	3.791	-0.007	67	2844	0.0400	0.0461	
8 Dichlorodifluoromethane	85	3.849	3.850	-0.001	98	8476	0.0400	0.0450	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.053	4.049	0.004	91	4959	0.0400	0.0421	
9 Chloromethane	52	4.042	4.043	-0.001	57	1670	0.0400	0.0975	
11 Acetaldehyde	44	4.214	4.206	0.008	95	14084	0.2000	-2.44	
12 Vinyl chloride	62	4.231	4.225	0.006	95	2970	0.0400	0.0505	
14 Butane	43	4.322	4.317	0.005	84	4548	0.0400	0.0560	
13 Butadiene	54	4.317	4.319	-0.002	68	2523	0.0400	0.0574	
15 Bromomethane	94	4.661	4.661	0.000	70	3418	0.0400	0.0640	
16 Chloroethane	64	4.817	4.811	0.006	60	623	0.0400	0.0280	
17 Ethanol	31	4.914	4.908	0.006	90	9163	0.2000	0.4612	
18 Vinyl bromide	106	5.145	5.136	0.009	85	2564	0.0400	0.0408	
19 2-Methylbutane	43	5.199	5.185	0.014	93	4687	0.0400	0.0507	
20 Trichlorofluoromethane	101	5.425	5.423	0.002	97	7887	0.0400	0.0430	
21 Acrolein	56	5.436	5.435	0.001	26	2190	0.0400	0.0889	
22 Acetonitrile	40	5.516	5.509	0.007	36	1870	0.0400	0.0558	
23 Acetone	58	5.570	5.556	0.014	99	14171	0.1200	0.3429	
24 Isopropyl alcohol	45	5.662	5.640	0.022	85	13615	0.1200	0.1306	
25 Pentane	72	5.667	5.656	0.011	74	252	0.0400	0.0314	
26 Ethyl ether	31	5.855	5.834	0.021	91	3711	0.0400	0.0446	
27 1,1-Dichloroethene	96	6.162	6.170	-0.008	96	3157	0.0400	0.0472	
29 2-Methyl-2-propanol	59	6.291	6.266	0.025	91	5382	0.0400	0.0460	
28 Acrylonitrile	53	6.280	6.280	0.000	96	3967	0.0400	0.0685	
30 112TCTFE	101	6.361	6.351	0.010	95	6397	0.0400	0.0451	
31 Methylene Chloride	84	6.538	6.536	0.002	96	5332	0.0400	0.0750	

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	6.560	6.552	0.008	70	5069	0.0400	0.0656	
33 Carbon disulfide	76	6.705	6.706	-0.001	98	11700	0.0400	0.0565	
34 trans-1,2-Dichloroethene	96	7.367	7.376	-0.009	70	3283	0.0400	0.0496	
35 2-Methylpentane	43	7.394	7.390	0.004	93	8193	0.0400	0.0441	
36 Methyl tert-butyl ether	73	7.528	7.506	0.022	94	7308	0.0400	0.0416	
37 1,1-Dichloroethane	63	7.813	7.815	-0.002	97	6425	0.0400	0.0464	
38 Vinyl acetate	43	7.926	7.915	0.011	99	8480	0.0400	0.0435	
39 2-Butanone (MEK)	72	8.405	8.377	0.028	90	2174	0.0400	0.0587	
40 Hexane	56	8.410	8.402	0.008	76	2826	0.0400	0.0474	
41 Isopropyl ether	45	8.583	8.563	0.020	95	11683	0.0400	0.0425	
42 cis-1,2-Dichloroethene	96	8.825	8.825	0.000	97	3469	0.0400	0.0481	
43 Ethyl acetate	43	9.024	9.005	0.019	97	9059	0.0400	0.0490	
44 Chloroform	83	9.174	9.176	-0.002	48	7866	0.0400	0.0481	
45 Tert-butyl ethyl ether	59	9.277	9.259	0.018	95	8938	0.0400	0.0395	
46 Tetrahydrofuran	42	9.610	9.586	0.024	92	4175	0.0400	0.0460	
47 1,1,1-Trichloroethane	97	10.229	10.225	0.004	94	6177	0.0400	0.0414	
48 1,2-Dichloroethane	62	10.326	10.334	-0.008	95	5483	0.0400	0.0464	
49 n-Butanol	31	10.767	10.749	0.018	89	3171	0.0400	0.1118	
50 Cyclohexane	69	10.831	10.817	0.014	57	1480	0.0400	0.0398	
51 Benzene	78	10.826	10.817	0.009	98	11682	0.0400	0.0491	
52 Carbon tetrachloride	117	10.842	10.841	0.001	89	4234	0.0400	0.0362	
53 2,3-Dimethylpentane	71	10.928	10.926	0.002	92	2025	0.0400	0.0408	
54 Thiophene	84	11.079	11.087	-0.008	92	4990	0.0400	0.0393	
55 Isooctane	57	11.563	11.560	0.003	97	17082	0.0400	0.0412	
56 n-Heptane	71	11.918	11.925	-0.007	93	3207	0.0400	0.0417	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	87	4440	0.0400	0.0451	
58 Trichloroethene	130	12.047	12.052	-0.005	90	3872	0.0400	0.0447	
59 Dibromomethane	93	12.133	12.139	-0.006	94	4547	0.0400	0.0465	
60 Dichlorobromomethane	83	12.273	12.280	-0.007	95	5265	0.0400	0.0325	
61 1,4-Dioxane	88	12.311	12.290	0.021	78	1865	0.0400	0.0559	
62 Methyl methacrylate	41	12.364	12.359	0.005	86	5183	0.0400	0.0453	
63 Methylcyclohexane	83	12.822	12.814	0.008	90	5630	0.0400	0.0398	
64 4-Methyl-2-pentanone (MIBK)	43	13.209	13.200	0.009	95	10045	0.0400	0.0484	
65 cis-1,3-Dichloropropene	75	13.263	13.267	-0.004	96	4817	0.0400	0.0385	
66 trans-1,3-Dichloropropene	75	13.951	13.950	0.001	89	4218	0.0400	0.0387	
67 Toluene	91	14.075	14.076	-0.001	94	15254	0.0400	0.0545	
68 1,1,2-Trichloroethane	83	14.150	14.149	0.001	90	4424	0.0400	0.0495	
69 2-Hexanone	58	14.522	14.517	0.005	91	4339	0.0400	0.0472	
70 n-Octane	85	14.748	14.742	0.006	97	2612	0.0400	0.0369	
71 Chlorodibromomethane	129	14.844	14.848	-0.004	93	3872	0.0400	0.0309	
72 Ethylene Dibromide	107	15.146	15.139	0.007	98	6112	0.0400	0.0449	
73 Tetrachloroethene	129	15.205	15.205	0.000	85	3545	0.0400	0.0410	
75 Chlorobenzene	112	16.071	16.074	-0.003	86	9977	0.0400	0.0526	
74 2,3-Dimethylheptane	43	16.076	16.076	0.000	93	12712	0.0400	0.0435	
76 Ethylbenzene	91	16.356	16.353	0.003	99	16521	0.0400	0.0470	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	99	28331	0.0800	0.0973	
78 n-Nonane	57	16.921	16.919	0.002	91	7944	0.0400	0.0408	
79 Bromoform	173	16.964	16.974	-0.010	65	4275	0.0400	0.0291	
80 Styrene	104	16.986	16.984	0.002	94	7114	0.0400	0.0403	
81 o-Xylene	91	17.039	17.045	-0.006	98	14807	0.0400	0.0504	
82 1,1,2,2-Tetrachloroethane	83	17.378	17.374	0.004	94	9402	0.0400	0.0442	
83 1,2,3-Trichloropropane	110	17.534	17.538	-0.004	95	1859	0.0400	0.0455	

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	17.642	17.641	0.001	94	16806	0.0400	0.0470	
85 N-Propylbenzene	120	18.180	18.179	0.001	97	2935	0.0400	0.0330	
86 2-Chlorotoluene	126	18.234	18.229	0.005	95	4249	0.0400	0.0513	
87 4-Ethyltoluene	105	18.330	18.328	0.002	97	15647	0.0400	0.0442	
88 1,3,5-Trimethylbenzene	120	18.395	18.399	-0.004	89	5552	0.0400	0.0417	
89 Alpha Methyl Styrene	118	18.637	18.632	0.005	77	4010	0.0400	0.0300	
90 n-Decane	57	18.675	18.676	-0.001	91	9565	0.0400	0.0384	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	82	12882	0.0400	0.0425	
92 1,2,4-Trimethylbenzene	105	18.836	18.838	-0.002	95	14101	0.0400	0.0448	
93 sec-Butylbenzene	105	19.089	19.093	-0.004	97	18986	0.0400	0.0421	
94 1,3-Dichlorobenzene	146	19.110	19.114	-0.004	91	8665	0.0400	0.0455	
95 Benzyl chloride	91	19.186	19.185	0.001	97	5847	0.0400	0.1624	
96 1,4-Dichlorobenzene	146	19.202	19.199	0.003	89	9132	0.0400	0.0496	
97 4-Isopropyltoluene	119	19.250	19.252	-0.002	95	15645	0.0400	0.0457	
98 1,2,3-Trimethylbenzene	105	19.310	19.309	0.001	97	11549	0.0400	0.0380	
99 Butylcyclohexane	83	19.358	19.358	0.000	88	11092	0.0400	0.0405	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	88	10203	0.0400	0.0376	
101 1,2-Dichlorobenzene	146	19.562	19.560	0.002	83	9596	0.0400	0.0511	
102 n-Butylbenzene	91	19.681	19.684	-0.003	92	16913	0.0400	0.0430	
103 Indene	116	19.686	19.687	-0.001	63	7879	0.0400	0.0370	
104 Undecane	57	19.982	19.982	0.000	93	10995	0.0400	0.0398	
105 1,2-Dibromo-3-Chloropropane	157	20.159	20.158	0.001	84	2466	0.0400	0.0321	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	97	14333	0.0400	0.0424	
107 Dodecane	57	21.063	21.060	0.003	91	12484	0.0400	0.0437	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	92	5888	0.0400	0.0635	
109 Naphthalene	128	21.440	21.439	0.001	98	14123	0.0400	0.0510	
110 Hexachlorobutadiene	225	21.633	21.629	0.004	93	14032	0.0400	0.0535	
111 1,2,3-Trichlorobenzene	180	21.693	21.693	0.000	93	7936	0.0400	0.0594	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	92	2378	0.0400	0.0422	
113 1-Methylnaphthalene	142	22.381	22.377	0.004	96	3668	0.0400	0.0561	
A 115 C8 Range	1	14.735	(14.710-14.775)		0	32499	0.0400	0.0385	
S 116 Xylenes, Total	100				0		0.1200	0.1476	
S 117 1,2-Dichloroethene, Total	1				0		0.0800	0.0976	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00047

Amount Added: 100.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C02.D

Injection Date: 25-Sep-2021 17:19:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L2

Worklist Smp#: 10

Client ID:

Purge Vol: 500.000 mL

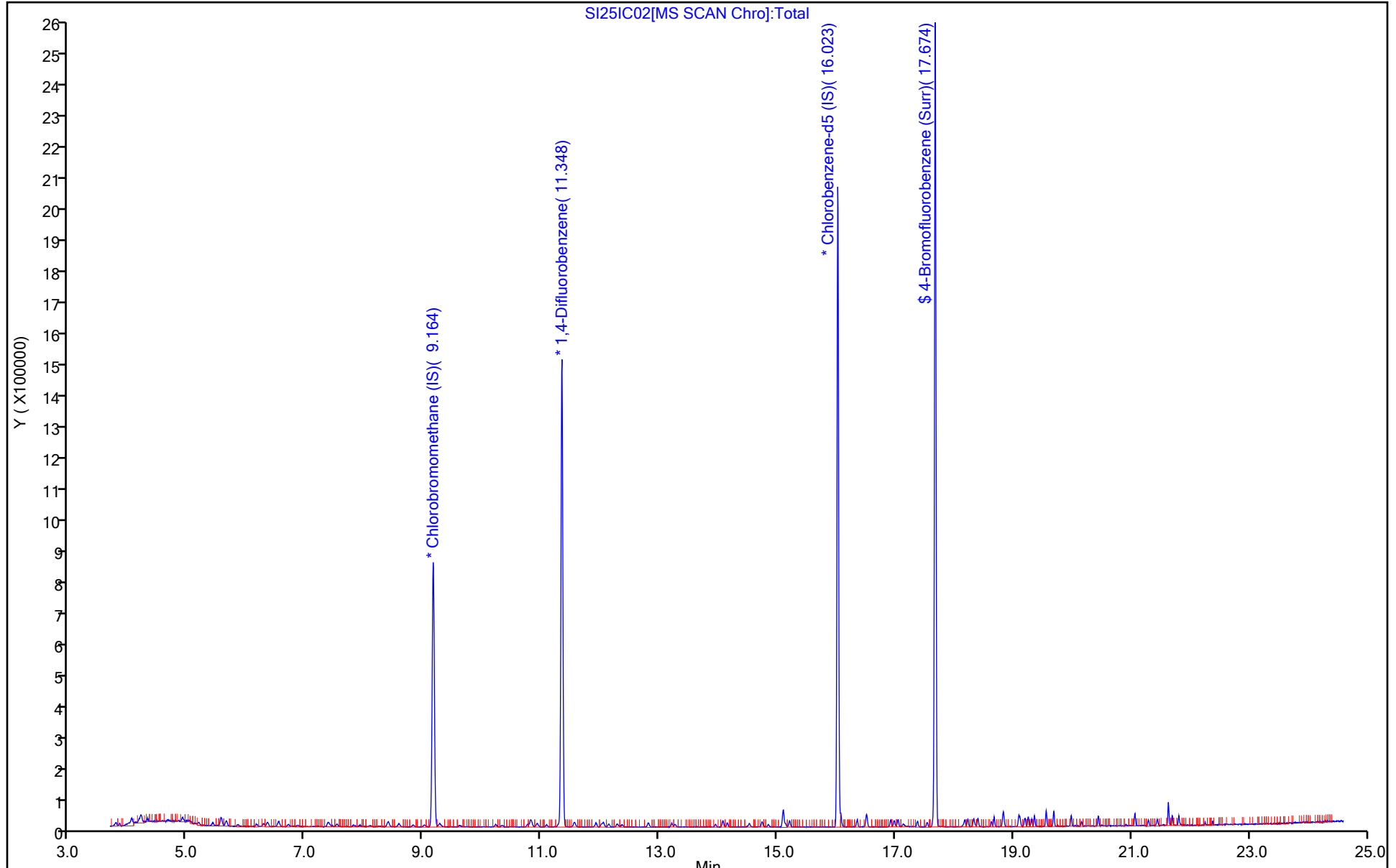
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC02.D

Injection Date: 25-Sep-2021 17:19:30

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

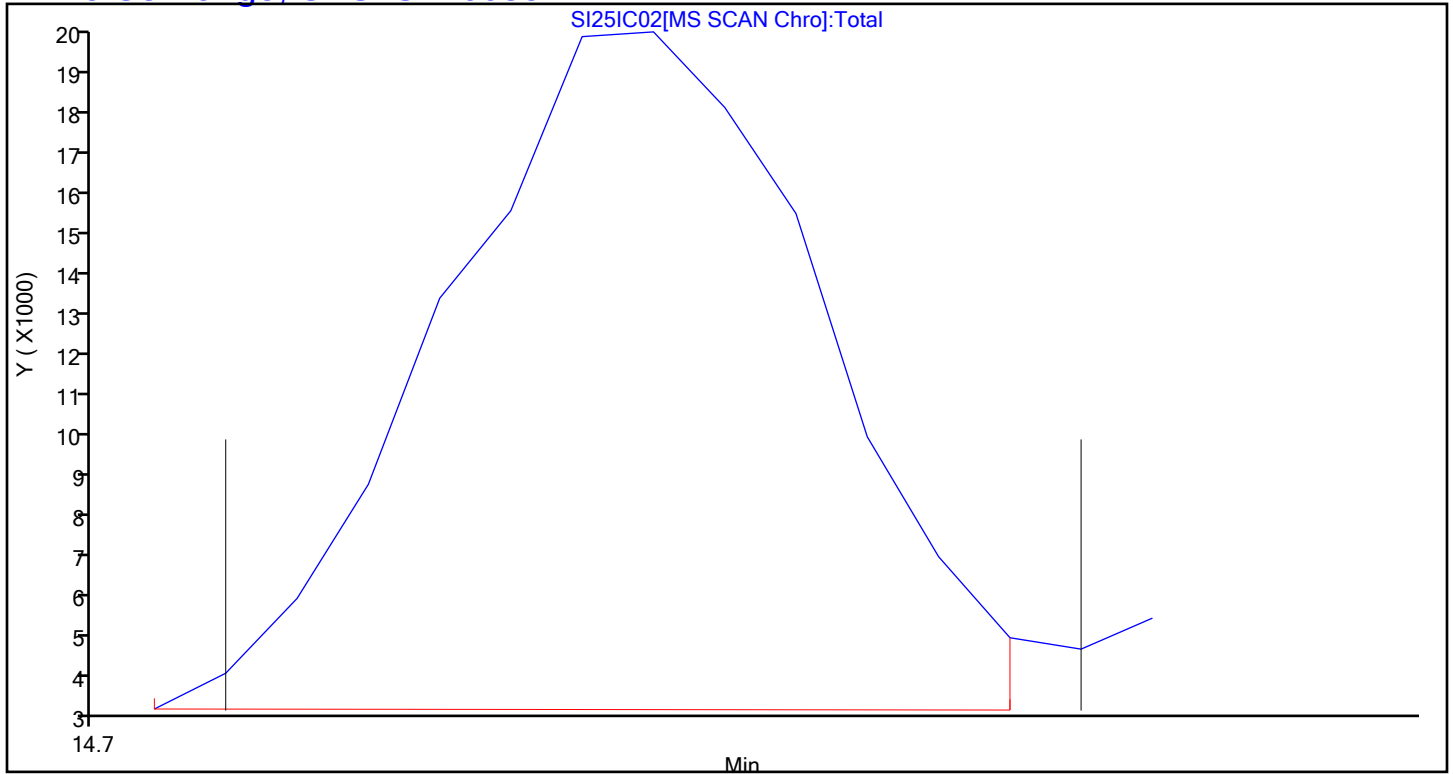
Method: MS_TO15A

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\20210925-20838.b\SI251C03.D
 Lims ID: IC L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 25-Sep-2021 18:07:30 ALS Bottle#: 12 Worklist Smp#: 11
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-011
 Misc. Info.: 418740
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:18:27 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa Date: 27-Sep-2021 09:12:47

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	9.164	9.166	-0.002	94	237514	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	96	1276722	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.023	16.025	-0.002	92	1095950	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.676	-0.002	92	882506	4.64	4.55	
7 Propene	41	3.800	3.791	0.009	95	5984	0.0800	0.0960	
6 Chlorodifluoromethane	51	3.779	3.781	-0.002	96	11159	0.0800	0.0827	
8 Dichlorodifluoromethane	85	3.849	3.850	-0.001	99	15729	0.0800	0.0826	
9 Chloromethane	52	4.037	4.043	-0.006	53	1758	0.0800	0.1016	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.042	4.049	-0.007	94	9266	0.0800	0.0779	
11 Acetaldehyde	44	4.204	4.206	-0.002	95	24164	0.4000	-1.82	
12 Vinyl chloride	62	4.225	4.225	0.000	96	4731	0.0800	0.0797	
13 Butadiene	54	4.322	4.319	0.003	65	4070	0.0800	0.0917	
14 Butane	43	4.317	4.317	0.000	85	7394	0.0800	0.0901	
15 Bromomethane	94	4.656	4.661	-0.005	97	4967	0.0800	0.0920	
16 Chloroethane	64	4.806	4.811	-0.005	61	1789	0.0800	0.0796	
17 Ethanol	31	4.903	4.908	-0.005	93	16318	0.4000	0.8131	
18 Vinyl bromide	106	5.135	5.136	-0.001	97	5236	0.0800	0.0825	
19 2-Methylbutane	43	5.183	5.185	-0.002	91	8272	0.0800	0.0886	
20 Trichlorofluoromethane	101	5.425	5.423	0.002	98	14541	0.0800	0.0785	
21 Acrolein	56	5.436	5.435	0.001	36	4220	0.0800	0.1697	
22 Acetonitrile	40	5.516	5.509	0.007	32	3772	0.0800	0.1114	
23 Acetone	58	5.565	5.556	0.009	99	24358	0.2400	0.5835	
24 Isopropyl alcohol	45	5.646	5.640	0.006	83	26937	0.2400	0.2558	
25 Pentane	72	5.667	5.656	0.011	73	529	0.0800	0.0654	
26 Ethyl ether	31	5.834	5.834	0.000	94	6884	0.0800	0.0820	
27 1,1-Dichloroethene	96	6.178	6.170	0.008	92	5334	0.0800	0.0790	
28 Acrylonitrile	53	6.275	6.280	-0.005	78	6251	0.0800	0.1068	
29 2-Methyl-2-propanol	59	6.280	6.266	0.014	91	9719	0.0800	0.0822	
30 112TCTFE	101	6.350	6.351	-0.001	92	11096	0.0800	0.0775	
31 Methylene Chloride	84	6.528	6.536	-0.008	95	7767	0.0800	0.1082	

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	6.544	6.552	-0.008	97	9169	0.0800	0.1174	
33 Carbon disulfide	76	6.711	6.706	0.005	100	19620	0.0800	0.0939	
34 trans-1,2-Dichloroethene	96	7.378	7.376	0.002	91	5399	0.0800	0.0807	
35 2-Methylpentane	43	7.383	7.390	-0.007	96	15754	0.0800	0.0840	
36 Methyl tert-butyl ether	73	7.512	7.506	0.006	95	14295	0.0800	0.0806	
37 1,1-Dichloroethane	63	7.814	7.815	-0.001	99	11879	0.0800	0.0849	
38 Vinyl acetate	43	7.910	7.915	-0.005	100	14186	0.0800	0.0720	
39 2-Butanone (MEK)	72	8.378	8.377	0.001	97	4169	0.0800	0.1114	
40 Hexane	56	8.411	8.402	0.009	81	4908	0.0800	0.0814	
41 Isopropyl ether	45	8.567	8.563	0.004	97	22348	0.0800	0.0805	
42 cis-1,2-Dichloroethene	96	8.820	8.825	-0.005	96	6009	0.0800	0.0824	
43 Ethyl acetate	43	9.008	9.005	0.003	97	15874	0.0800	0.0849	
44 Chloroform	83	9.169	9.176	-0.007	28	14095	0.0800	0.0853	
45 Tert-butyl ethyl ether	59	9.266	9.259	0.007	96	17366	0.0800	0.0759	
46 Tetrahydrofuran	42	9.600	9.586	0.014	95	8339	0.0800	0.0909	
47 1,1,1-Trichloroethane	97	10.218	10.225	-0.007	92	12134	0.0800	0.0805	
48 1,2-Dichloroethane	62	10.326	10.334	-0.008	95	9758	0.0800	0.0837	
49 n-Butanol	31	10.762	10.749	0.013	82	5045	0.0800	0.1802	
51 Benzene	78	10.815	10.817	-0.002	98	19970	0.0800	0.0850	
50 Cyclohexane	69	10.821	10.817	0.004	64	2863	0.0800	0.0780	
52 Carbon tetrachloride	117	10.842	10.841	0.001	93	7632	0.0800	0.0660	
53 2,3-Dimethylpentane	71	10.923	10.926	-0.003	89	4158	0.0800	0.0849	
54 Thiophene	84	11.079	11.087	-0.008	97	9053	0.0800	0.0723	
55 Isooctane	57	11.558	11.560	-0.002	97	31153	0.0800	0.0761	
56 n-Heptane	71	11.924	11.925	-0.001	92	5538	0.0800	0.0729	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	86	7921	0.0800	0.0815	
58 Trichloroethene	130	12.047	12.052	-0.005	83	6604	0.0800	0.0771	
59 Dibromomethane	93	12.133	12.139	-0.006	95	7834	0.0800	0.0812	
60 Dichlorobromomethane	83	12.279	12.280	-0.001	97	11657	0.0800	0.0729	
61 1,4-Dioxane	88	12.306	12.290	0.016	54	3103	0.0800	0.0941	
62 Methyl methacrylate	41	12.354	12.359	-0.005	93	9230	0.0800	0.0817	
63 Methylcyclohexane	83	12.811	12.814	-0.003	88	9993	0.0800	0.0715	
64 4-Methyl-2-pentanone (MIBK)	43	13.209	13.200	0.009	98	16740	0.0800	0.0816	
65 cis-1,3-Dichloropropene	75	13.258	13.267	-0.009	98	8862	0.0800	0.0717	
66 trans-1,3-Dichloropropene	75	13.952	13.950	0.002	96	9063	0.0800	0.0834	
67 Toluene	91	14.075	14.076	-0.001	91	25706	0.0800	0.0922	
68 1,1,2-Trichloroethane	83	14.145	14.149	-0.004	92	7762	0.0800	0.0871	
69 2-Hexanone	58	14.522	14.517	0.005	92	7590	0.0800	0.0830	
70 n-Octane	85	14.742	14.742	0.000	95	5393	0.0800	0.0765	
71 Chlorodibromomethane	129	14.850	14.848	0.002	94	8341	0.0800	0.0668	
72 Ethylene Dibromide	107	15.141	15.139	0.002	96	11077	0.0800	0.0818	
73 Tetrachloroethene	129	15.200	15.205	-0.005	90	7232	0.0800	0.0841	
75 Chlorobenzene	112	16.077	16.074	0.003	87	17033	0.0800	0.0901	
74 2,3-Dimethylheptane	43	16.071	16.076	-0.005	94	25231	0.0800	0.0868	
76 Ethylbenzene	91	16.351	16.353	-0.002	99	29650	0.0800	0.0846	
77 m-Xylene & p-Xylene	91	16.518	16.513	0.005	99	48918	0.1600	0.1687	
78 n-Nonane	57	16.916	16.919	-0.003	96	15587	0.0800	0.0804	
79 Bromoform	173	16.975	16.974	0.001	66	8047	0.0800	0.0550	
80 Styrene	104	16.980	16.984	-0.004	98	13943	0.0800	0.0794	
81 o-Xylene	91	17.045	17.045	0.000	97	26226	0.0800	0.0896	
82 1,1,2,2-Tetrachloroethane	83	17.373	17.374	-0.001	96	16885	0.0800	0.0798	
83 1,2,3-Trichloropropane	110	17.529	17.538	-0.009	94	3154	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
84 Isopropylbenzene	105	17.642	17.641	0.001	88	29555	0.0800	0.0829	
85 N-Propylbenzene	120	18.175	18.179	-0.004	97	5969	0.0800	0.0673	
86 2-Chlorotoluene	126	18.223	18.229	-0.006	96	7170	0.0800	0.0869	
87 4-Ethyltoluene	105	18.331	18.328	0.003	97	27858	0.0800	0.0791	
88 1,3,5-Trimethylbenzene	120	18.395	18.399	-0.004	90	11133	0.0800	0.0839	
89 Alpha Methyl Styrene	118	18.632	18.632	0.000	86	8429	0.0800	0.0633	
90 n-Decane	57	18.675	18.676	-0.001	86	18391	0.0800	0.0741	
91 tert-Butylbenzene	119	18.826	18.826	0.000	84	24357	0.0800	0.0808	
92 1,2,4-Trimethylbenzene	105	18.836	18.838	-0.002	96	25674	0.0800	0.0819	
93 sec-Butylbenzene	105	19.089	19.093	-0.004	97	36373	0.0800	0.0810	
94 1,3-Dichlorobenzene	146	19.116	19.114	0.002	98	15278	0.0800	0.0806	
95 Benzyl chloride	91	19.186	19.185	0.001	95	10098	0.0800	0.1814	
96 1,4-Dichlorobenzene	146	19.197	19.199	-0.002	89	14492	0.0800	0.0791	
97 4-Isopropyltoluene	119	19.251	19.252	-0.001	94	28127	0.0800	0.0825	
98 1,2,3-Trimethylbenzene	105	19.310	19.309	0.001	99	23534	0.0800	0.0778	
99 Butylcyclohexane	83	19.358	19.358	0.000	91	21240	0.0800	0.0780	
100 2,3-Dihydroindene	117	19.563	19.558	0.005	91	20335	0.0800	0.0753	
101 1,2-Dichlorobenzene	146	19.557	19.560	-0.003	83	15294	0.0800	0.0818	
102 n-Butylbenzene	91	19.686	19.684	0.002	94	30980	0.0800	0.0792	
103 Indene	116	19.686	19.687	-0.001	68	14720	0.0800	0.0694	
104 Undecane	57	19.982	19.982	0.000	92	21548	0.0800	0.0783	
105 1,2-Dibromo-3-Chloropropane	157	20.160	20.158	0.002	81	4743	0.0800	0.0620	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	28106	0.0800	0.0835	
107 Dodecane	57	21.063	21.060	0.003	93	25781	0.0800	0.0907	
108 1,2,4-Trichlorobenzene	180	21.295	21.290	0.005	91	9086	0.0800	0.0980	
109 Naphthalene	128	21.435	21.439	-0.004	98	22647	0.0800	0.0821	
110 Hexachlorobutadiene	225	21.634	21.629	0.005	81	27312	0.0800	0.1045	
111 1,2,3-Trichlorobenzene	180	21.693	21.693	0.000	94	13261	0.0800	0.0996	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	93	3956	0.0800	0.0706	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	99	6417	0.0800	0.0986	
A 115 C8 Range	1	14.737	(14.699-14.775)		0	69861	0.0800	0.0838	
S 116 Xylenes, Total	100				0		0.2400	0.2583	
S 117 1,2-Dichloroethene, Total	1				0		0.1600	0.1631	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00047

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC03.D

Injection Date: 25-Sep-2021 18:07:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L3

Worklist Smp#: 11

Client ID:

Purge Vol: 500.000 mL

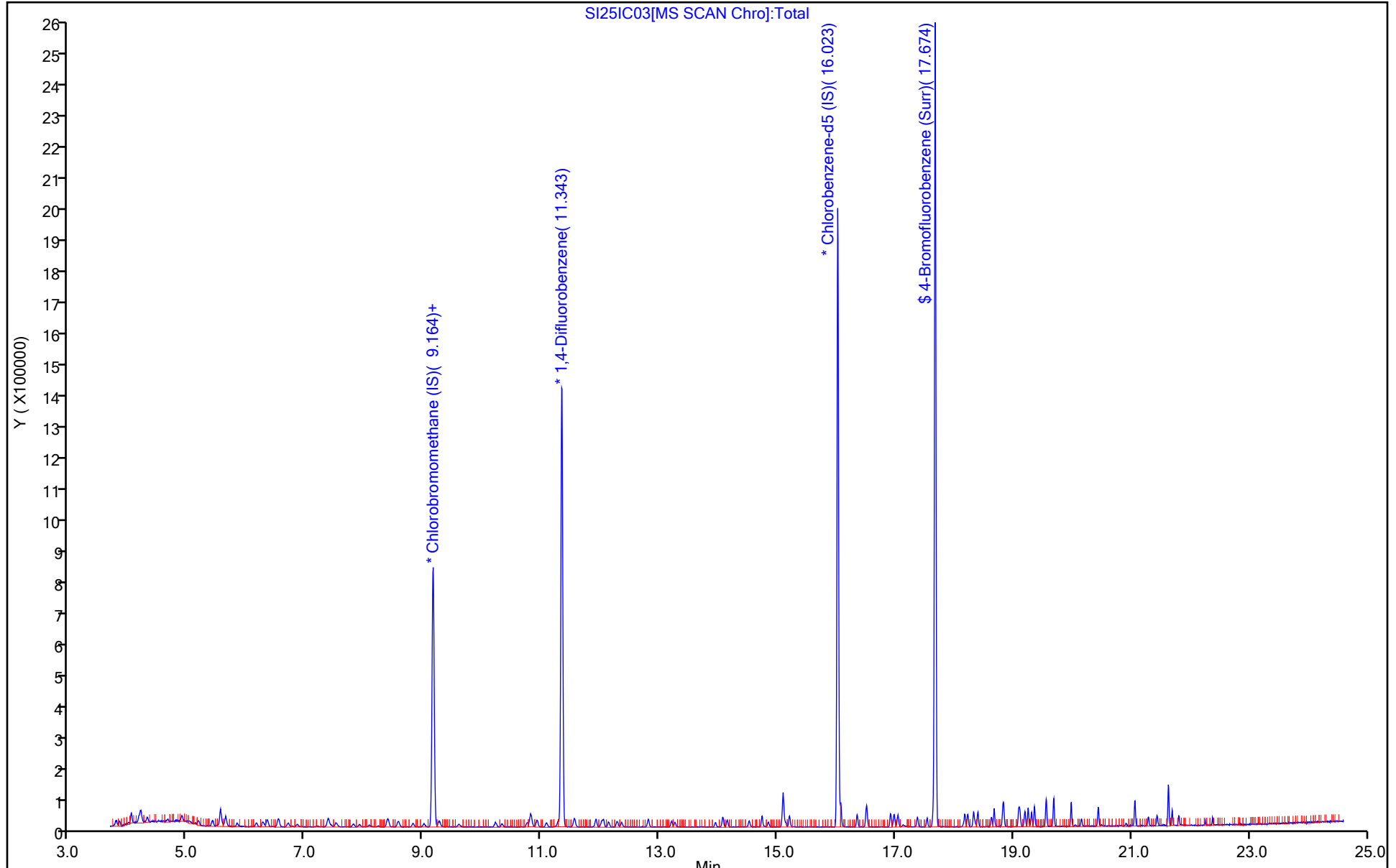
Dil. Factor: 1.0000

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\20210925-20838.b\SI25IC03.D

Injection Date: 25-Sep-2021 18:07:30

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

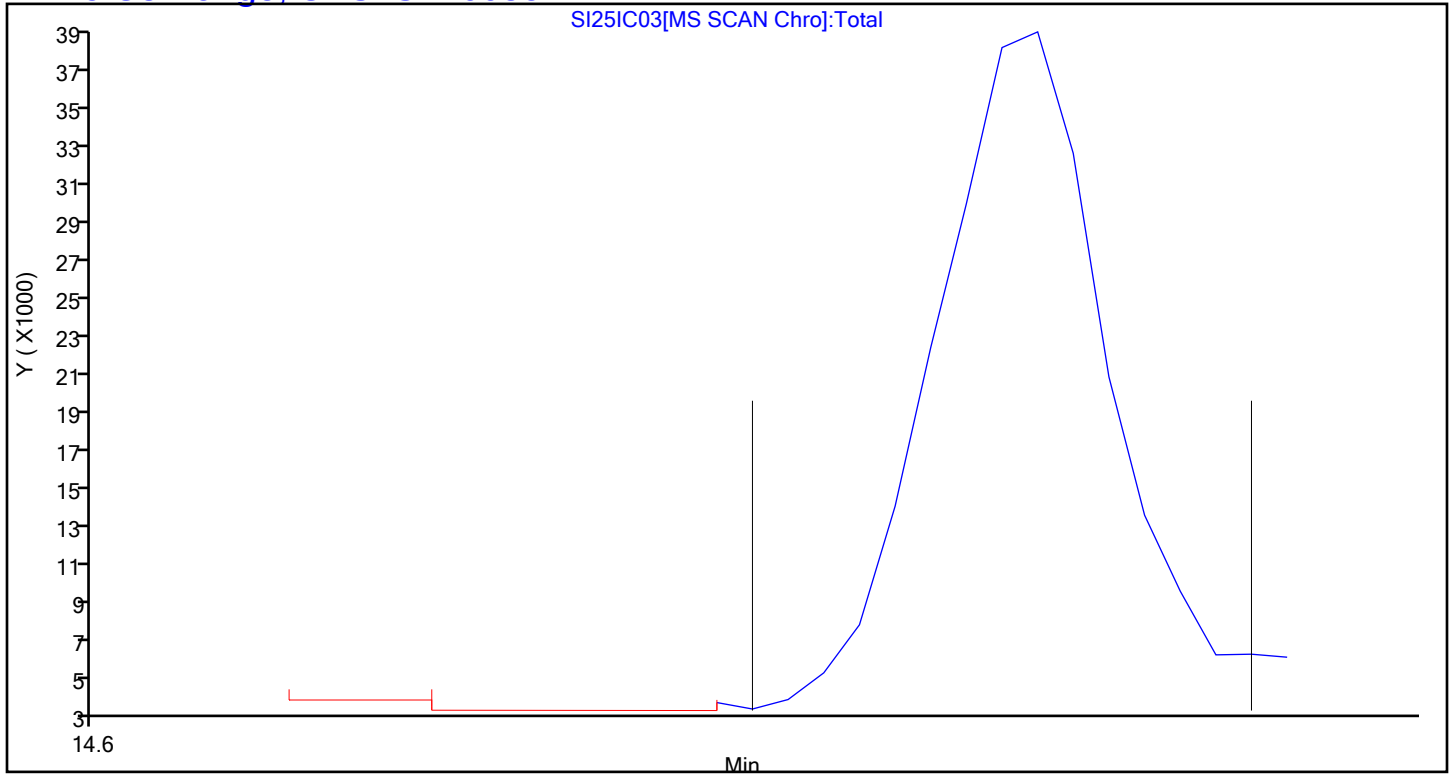
Method: MS_TO15A

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\20210925-20838.b\SI251C04.D
 Lims ID: IC L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 25-Sep-2021 18:53:30 ALS Bottle#: 13 Worklist Smp#: 12
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-012
 Misc. Info.: 418204
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:18:35 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa

Date: 27-Sep-2021 09:12:35

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	9.158	9.166	-0.008	94	232583	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	96	1251221	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.022	16.025	-0.003	92	1085079	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.676	-0.002	93	877285	4.64	4.57	
6 Chlorodifluoromethane	51	3.784	3.781	0.003	97	24164	0.1600	0.1829	
7 Propene	41	3.789	3.791	-0.002	91	10045	0.1600	0.1645	
8 Dichlorodifluoromethane	85	3.848	3.850	-0.002	100	30239	0.1600	0.1622	
9 Chloromethane	52	4.042	4.043	-0.001	51	3055	0.1600	0.1804	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.047	4.049	-0.002	92	18761	0.1600	0.1610	
11 Acetaldehyde	44	4.209	4.206	0.003	97	27801	0.8000	-1.55	
12 Vinyl chloride	62	4.225	4.225	0.000	96	9653	0.1600	0.1661	
14 Butane	43	4.311	4.317	-0.006	84	12756	0.1600	0.1587	
13 Butadiene	54	4.322	4.319	0.003	70	7432	0.1600	0.1710	
15 Bromomethane	94	4.661	4.661	0.000	93	9306	0.1600	0.1760	
16 Chloroethane	64	4.811	4.811	0.000	82	4265	0.1600	0.1938	
17 Ethanol	31	4.903	4.908	-0.005	93	17341	0.8000	0.8824	
18 Vinyl bromide	106	5.134	5.136	-0.002	95	9462	0.1600	0.1522	
19 2-Methylbutane	43	5.183	5.185	-0.002	93	15156	0.1600	0.1658	
20 Trichlorofluoromethane	101	5.419	5.423	-0.004	100	29202	0.1600	0.1609	
21 Acrolein	56	5.441	5.435	0.006	72	4433	0.1600	0.1820	
22 Acetonitrile	40	5.511	5.509	0.002	98	4801	0.1600	0.1448	
23 Acetone	58	5.554	5.556	-0.002	98	31072	0.4800	0.7601	
24 Isopropyl alcohol	45	5.634	5.640	-0.006	94	48154	0.4800	0.4670	
25 Pentane	72	5.661	5.656	0.005	87	1249	0.1600	0.1576	
26 Ethyl ether	31	5.833	5.834	-0.001	93	13579	0.1600	0.1651	
27 1,1-Dichloroethene	96	6.172	6.170	0.002	94	10122	0.1600	0.1531	
28 Acrylonitrile	53	6.275	6.280	-0.005	92	10126	0.1600	0.1766	
29 2-Methyl-2-propanol	59	6.269	6.266	0.003	92	18284	0.1600	0.1580	
30 112TCTFE	101	6.339	6.351	-0.012	93	22676	0.1600	0.1617	
31 Methylene Chloride	84	6.533	6.536	-0.003	97	13366	0.1600	0.1901	

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	6.544	6.552	-0.008	93	12503	0.1600	0.1635	
33 Carbon disulfide	76	6.705	6.706	-0.001	99	32750	0.1600	0.1600	
34 trans-1,2-Dichloroethene	96	7.372	7.376	-0.004	94	10984	0.1600	0.1676	
35 2-Methylpentane	43	7.388	7.390	-0.002	95	31203	0.1600	0.1699	
36 Methyl tert-butyl ether	73	7.512	7.506	0.006	95	27021	0.1600	0.1556	
37 1,1-Dichloroethane	63	7.808	7.815	-0.007	99	21052	0.1600	0.1536	
38 Vinyl acetate	43	7.910	7.915	-0.005	100	28675	0.1600	0.1486	
39 2-Butanone (MEK)	72	8.378	8.377	0.001	97	6544	0.1600	0.1785	
40 Hexane	56	8.394	8.402	-0.008	83	9637	0.1600	0.1633	
41 Isopropyl ether	45	8.566	8.563	0.003	95	43837	0.1600	0.1612	
42 cis-1,2-Dichloroethene	96	8.825	8.825	0.000	96	11430	0.1600	0.1601	
43 Ethyl acetate	43	9.007	9.005	0.002	98	29924	0.1600	0.1635	
44 Chloroform	83	9.169	9.176	-0.007	29	25847	0.1600	0.1597	
45 Tert-butyl ethyl ether	59	9.255	9.259	-0.004	97	34500	0.1600	0.1540	
46 Tetrahydrofuran	42	9.605	9.586	0.019	96	14230	0.1600	0.1584	
47 1,1,1-Trichloroethane	97	10.218	10.225	-0.007	93	22606	0.1600	0.1531	
48 1,2-Dichloroethane	62	10.331	10.334	-0.003	97	18811	0.1600	0.1646	
49 n-Butanol	31	10.761	10.749	0.012	84	4293	0.1600	0.1564	
51 Benzene	78	10.810	10.817	-0.007	97	37287	0.1600	0.1620	
50 Cyclohexane	69	10.820	10.817	0.003	63	5663	0.1600	0.1575	
52 Carbon tetrachloride	117	10.836	10.841	-0.005	93	13297	0.1600	0.1174	
53 2,3-Dimethylpentane	71	10.917	10.926	-0.009	91	7010	0.1600	0.1461	
54 Thiophene	84	11.079	11.087	-0.008	99	19549	0.1600	0.1592	
55 Isooctane	57	11.557	11.560	-0.003	97	62430	0.1600	0.1556	
56 n-Heptane	71	11.918	11.925	-0.007	92	11995	0.1600	0.1611	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	89	14796	0.1600	0.1553	
58 Trichloroethene	130	12.047	12.052	-0.005	86	11978	0.1600	0.1428	
59 Dibromomethane	93	12.138	12.139	-0.001	95	15107	0.1600	0.1597	
60 Dichlorobromomethane	83	12.273	12.280	-0.007	96	21967	0.1600	0.1402	
61 1,4-Dioxane	88	12.300	12.290	0.010	87	5272	0.1600	0.1632	
62 Methyl methacrylate	41	12.359	12.359	0.000	90	16822	0.1600	0.1519	
63 Methylcyclohexane	83	12.811	12.814	-0.003	92	20553	0.1600	0.1500	
64 4-Methyl-2-pentanone (MIBK)	43	13.204	13.200	0.004	98	30634	0.1600	0.1524	
65 cis-1,3-Dichloropropene	75	13.268	13.267	0.001	98	17518	0.1600	0.1446	
66 trans-1,3-Dichloropropene	75	13.946	13.950	-0.004	96	14347	0.1600	0.1334	
67 Toluene	91	14.075	14.076	-0.001	91	46362	0.1600	0.1680	
68 1,1,2-Trichloroethane	83	14.156	14.149	0.007	92	14036	0.1600	0.1592	
69 2-Hexanone	58	14.522	14.517	0.005	92	13107	0.1600	0.1447	
70 n-Octane	85	14.742	14.742	0.000	96	10566	0.1600	0.1514	
71 Chlorodibromomethane	129	14.850	14.848	0.002	95	15666	0.1600	0.1268	
72 Ethylene Dibromide	107	15.135	15.139	-0.004	94	20262	0.1600	0.1511	
73 Tetrachloroethene	129	15.199	15.205	-0.006	92	13223	0.1600	0.1552	
74 2,3-Dimethylheptane	43	16.076	16.076	0.000	92	48997	0.1600	0.1702	
75 Chlorobenzene	112	16.071	16.074	-0.003	75	29980	0.1600	0.1602	
76 Ethylbenzene	91	16.351	16.353	-0.002	100	54582	0.1600	0.1574	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	99	88570	0.3200	0.3085	
78 n-Nonane	57	16.915	16.919	-0.004	93	28688	0.1600	0.1495	
79 Bromoform	173	16.975	16.974	0.001	92	15414	0.1600	0.1063	
80 Styrene	104	16.985	16.984	0.001	96	24264	0.1600	0.1395	
81 o-Xylene	91	17.045	17.045	0.000	97	46023	0.1600	0.1588	
82 1,1,2,2-Tetrachloroethane	83	17.373	17.374	-0.001	97	30820	0.1600	0.1470	
83 1,2,3-Trichloropropane	110	17.534	17.538	-0.004	95	5714	0.1600	0.1419	

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	17.636	17.641	-0.005	90	55972	0.1600	0.1586	
85 N-Propylbenzene	120	18.180	18.179	0.001	97	12050	0.1600	0.1372	
86 2-Chlorotoluene	126	18.233	18.229	0.004	96	12908	0.1600	0.1581	
87 4-Ethyltoluene	105	18.325	18.328	-0.003	97	50202	0.1600	0.1439	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	90	19391	0.1600	0.1476	
89 Alpha Methyl Styrene	118	18.632	18.632	0.000	83	16385	0.1600	0.1243	
90 n-Decane	57	18.675	18.676	-0.001	87	37591	0.1600	0.1531	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	84	45646	0.1600	0.1529	
92 1,2,4-Trimethylbenzene	105	18.836	18.838	-0.002	93	46053	0.1600	0.1484	
93 sec-Butylbenzene	105	19.094	19.093	0.001	97	66769	0.1600	0.1501	
94 1,3-Dichlorobenzene	146	19.116	19.114	0.002	96	26403	0.1600	0.1407	
95 Benzyl chloride	91	19.180	19.185	-0.005	94	16108	0.1600	0.2088	
96 1,4-Dichlorobenzene	146	19.196	19.199	-0.003	89	25285	0.1600	0.1393	
97 4-Isopropyltoluene	119	19.250	19.252	-0.002	95	49276	0.1600	0.1461	
98 1,2,3-Trimethylbenzene	105	19.309	19.309	0.000	99	45099	0.1600	0.1506	
99 Butylcyclohexane	83	19.358	19.358	0.000	89	42688	0.1600	0.1582	
101 1,2-Dichlorobenzene	146	19.562	19.560	0.002	84	26446	0.1600	0.1428	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	91	38421	0.1600	0.1436	
102 n-Butylbenzene	91	19.686	19.684	0.002	96	55313	0.1600	0.1427	
103 Indene	116	19.686	19.687	-0.001	86	26871	0.1600	0.1280	
104 Undecane	57	19.982	19.982	0.000	94	41473	0.1600	0.1521	
105 1,2-Dibromo-3-Chloropropane	157	20.159	20.158	0.001	82	9263	0.1600	0.1222	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	95	50115	0.1600	0.1503	
107 Dodecane	57	21.058	21.060	-0.002	94	43314	0.1600	0.1539	
108 1,2,4-Trichlorobenzene	180	21.294	21.290	0.004	93	13891	0.1600	0.1506	
109 Naphthalene	128	21.440	21.439	0.001	98	31312	0.1600	0.1146	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	92	45194	0.1600	0.1747	
111 1,2,3-Trichlorobenzene	180	21.698	21.693	0.005	95	19077	0.1600	0.1447	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	96	5573	0.1600	0.1004	
113 1-Methylnaphthalene	142	22.381	22.377	0.004	95	8224	0.1600	0.1276	
A 115 C8 Range	1	14.737	(14.699-14.774)		0	125858	0.1600	0.1540	
S 116 Xylenes, Total	100				0		0.4800	0.4673	
S 117 1,2-Dichloroethene, Total	1				0		0.3200	0.3277	

QC Flag Legend

Processing Flags

Reagents:

40L4DQP_00029

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC04.D

Injection Date: 25-Sep-2021 18:53:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L4

Worklist Smp#: 12

Client ID:

Purge Vol: 500.000 mL

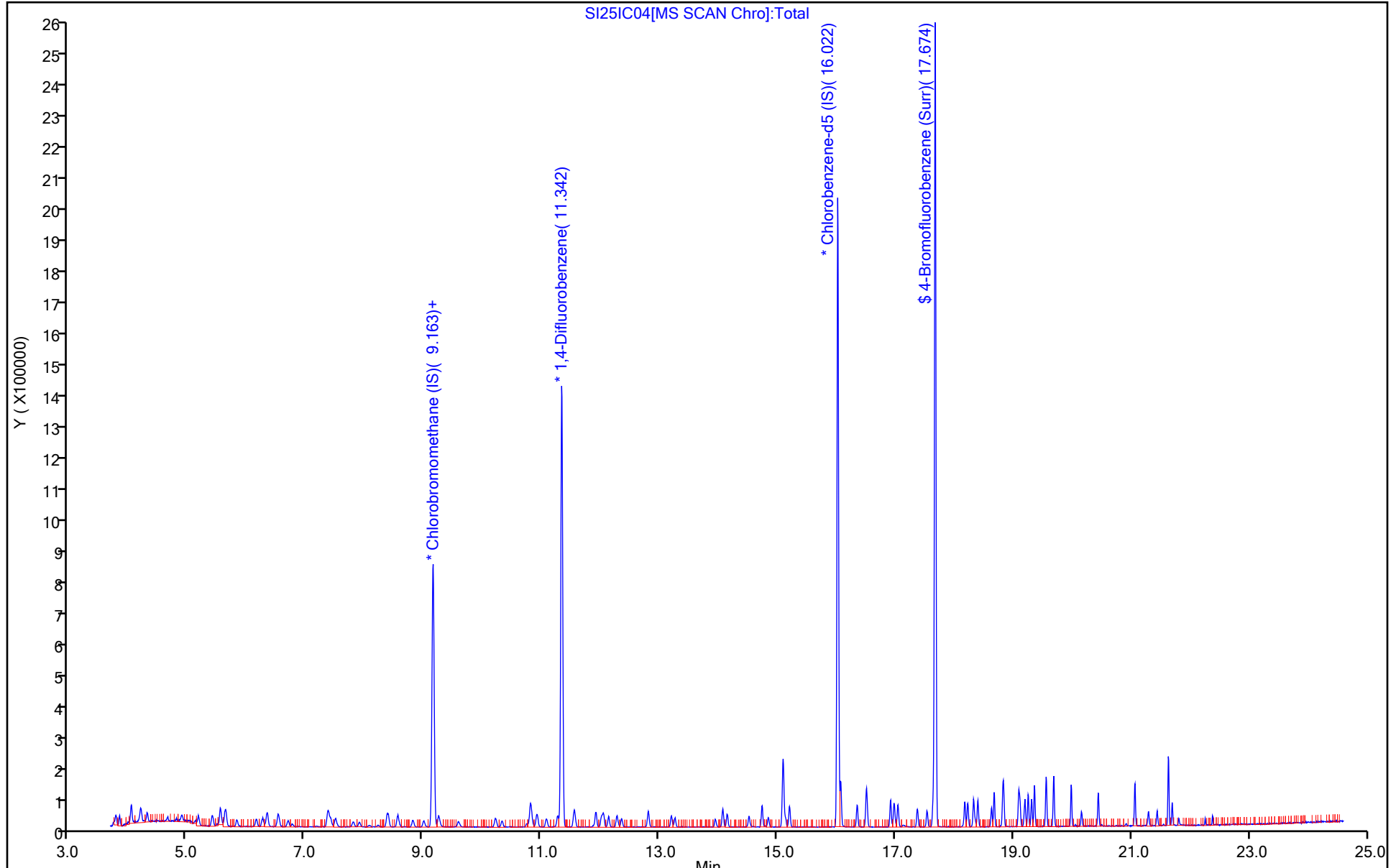
Dil. Factor: 1.0000

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\20210925-20838.b\SI25IC04.D

Injection Date: 25-Sep-2021 18:53:30

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

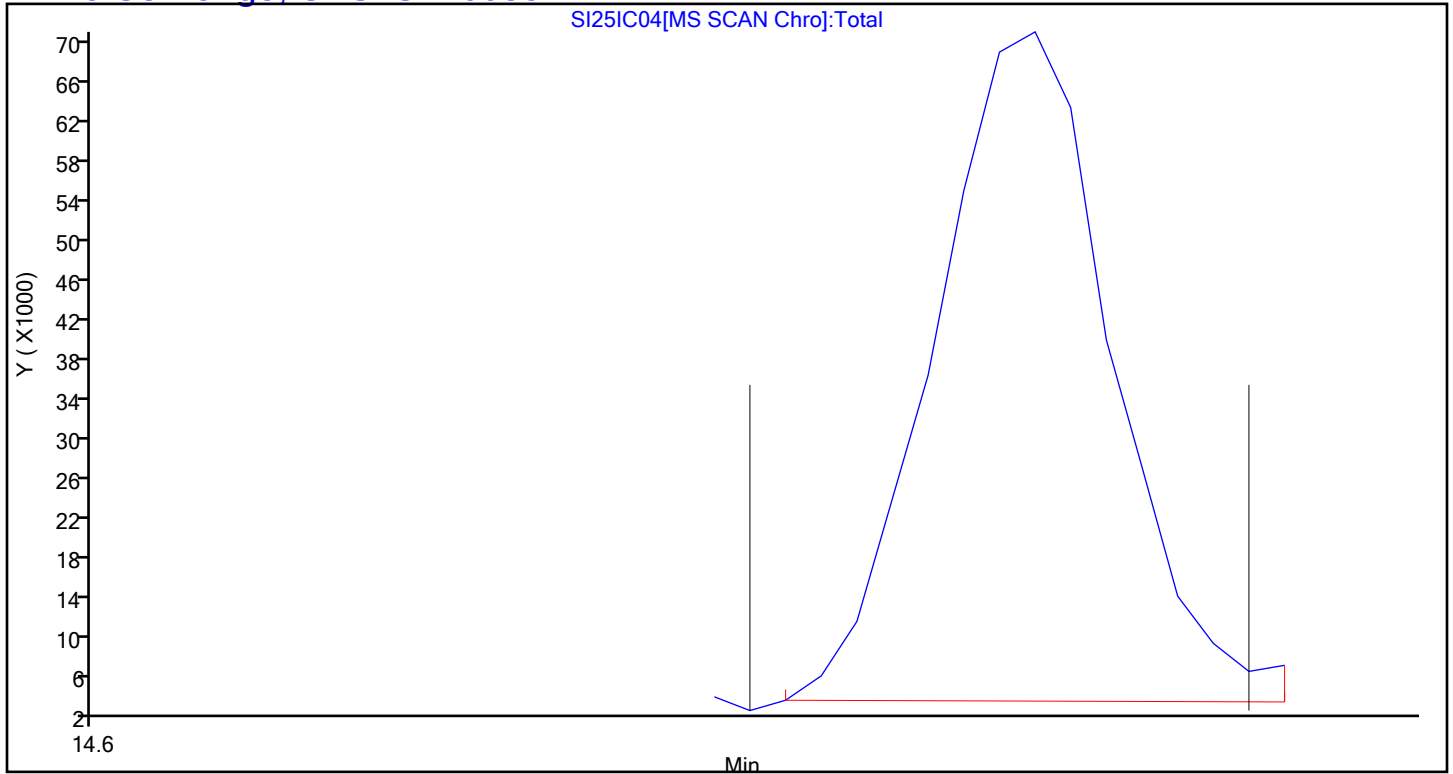
Method: MS_TO15A

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\20210925-20838.b\SI251C05.D
 Lims ID: IC L5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 25-Sep-2021 19:38:30 ALS Bottle#: 14 Worklist Smp#: 13
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-013
 Misc. Info.: 418225
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:18:42 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa Date: 27-Sep-2021 09:12:21

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	9.164	9.166	-0.002	93	227272	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.342	11.348	-0.006	96	1234207	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.023	16.025	-0.002	92	1065707	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.676	-0.002	93	872227	4.64	4.62	
6 Chlorodifluoromethane	51	3.773	3.781	-0.008	97	53196	0.4000	0.4120	
7 Propene	41	3.784	3.791	-0.007	99	25645	0.4000	0.4298	
8 Dichlorodifluoromethane	85	3.843	3.850	-0.007	100	73458	0.4000	0.4033	
9 Chloromethane	52	4.042	4.043	-0.001	53	8151	0.4000	0.4924	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.048	4.049	-0.001	90	47104	0.4000	0.4137	
11 Acetaldehyde	44	4.204	4.206	-0.002	96	73608	2.00	1.51	
12 Vinyl chloride	62	4.220	4.225	-0.005	98	21989	0.4000	0.3871	
14 Butane	43	4.311	4.317	-0.006	83	31562	0.4000	0.4018	
13 Butadiene	54	4.311	4.319	-0.008	70	17721	0.4000	0.4172	
15 Bromomethane	94	4.655	4.661	-0.006	96	21514	0.4000	0.4165	
16 Chloroethane	64	4.806	4.811	-0.005	91	9330	0.4000	0.4338	
17 Ethanol	31	4.898	4.908	-0.010	94	41451	2.00	2.16	
18 Vinyl bromide	106	5.129	5.136	-0.007	98	24084	0.4000	0.3964	
19 2-Methylbutane	43	5.177	5.185	-0.008	93	37278	0.4000	0.4173	
20 Trichlorofluoromethane	101	5.419	5.423	-0.004	99	69989	0.4000	0.3947	
21 Acrolein	56	5.425	5.435	-0.010	92	10454	0.4000	0.4392	
22 Acetonitrile	40	5.489	5.509	-0.020	97	13898	0.4000	0.4289	
23 Acetone	58	5.548	5.556	-0.008	99	74308	1.20	1.86	M
24 Isopropyl alcohol	45	5.629	5.640	-0.011	94	124566	1.20	1.24	
25 Pentane	72	5.651	5.656	-0.005	96	3133	0.4000	0.4045	
26 Ethyl ether	31	5.828	5.834	-0.006	93	33590	0.4000	0.4180	
27 1,1-Dichloroethene	96	6.162	6.170	-0.008	93	26087	0.4000	0.4038	
29 2-Methyl-2-propanol	59	6.259	6.266	-0.007	95	46603	0.4000	0.4121	
28 Acrylonitrile	53	6.269	6.280	-0.011	95	22974	0.4000	0.4101	
30 112TCTFE	101	6.345	6.351	-0.006	95	56537	0.4000	0.4127	
31 Methylene Chloride	84	6.528	6.536	-0.008	95	26874	0.4000	0.3911	

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	6.544	6.552	-0.008	95	28034	0.4000	0.3752	
33 Carbon disulfide	76	6.705	6.706	-0.001	99	79802	0.4000	0.3989	
34 trans-1,2-Dichloroethene	96	7.372	7.376	-0.004	94	25191	0.4000	0.3935	
35 2-Methylpentane	43	7.383	7.390	-0.007	96	74033	0.4000	0.4125	
36 Methyl tert-butyl ether	73	7.501	7.506	-0.005	95	66482	0.4000	0.3918	
37 1,1-Dichloroethane	63	7.808	7.815	-0.007	99	53955	0.4000	0.4028	
38 Vinyl acetate	43	7.910	7.915	-0.005	100	72278	0.4000	0.3833	
39 2-Butanone (MEK)	72	8.367	8.377	-0.010	97	16835	0.4000	0.4699	
40 Hexane	56	8.394	8.402	-0.008	79	23336	0.4000	0.4046	
41 Isopropyl ether	45	8.556	8.563	-0.007	96	108883	0.4000	0.4096	
42 cis-1,2-Dichloroethene	96	8.814	8.825	-0.011	98	26583	0.4000	0.3810	
43 Ethyl acetate	43	8.997	9.005	-0.008	98	71090	0.4000	0.3974	
44 Chloroform	83	9.174	9.176	-0.002	32	63610	0.4000	0.4021	
45 Tert-butyl ethyl ether	59	9.255	9.259	-0.004	97	88470	0.4000	0.4041	
46 Tetrahydrofuran	42	9.583	9.586	-0.003	94	36249	0.4000	0.4129	
47 1,1,1-Trichloroethane	97	10.223	10.225	-0.002	95	56304	0.4000	0.3903	
48 1,2-Dichloroethane	62	10.331	10.334	-0.003	96	44273	0.4000	0.3927	
49 n-Butanol	31	10.751	10.749	0.002	89	10565	0.4000	0.3903	
51 Benzene	78	10.810	10.817	-0.007	97	88822	0.4000	0.3913	
50 Cyclohexane	69	10.815	10.817	-0.002	68	14281	0.4000	0.4027	
52 Carbon tetrachloride	117	10.837	10.841	-0.004	94	47382	0.4000	0.4241	
53 2,3-Dimethylpentane	71	10.917	10.926	-0.009	91	18212	0.4000	0.3848	
54 Thiophene	84	11.084	11.087	-0.003	98	46812	0.4000	0.3865	
55 Isooctane	57	11.557	11.560	-0.003	96	155388	0.4000	0.3927	
56 n-Heptane	71	11.923	11.925	-0.002	92	28914	0.4000	0.3936	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	91	37928	0.4000	0.4037	
58 Trichloroethene	130	12.047	12.052	-0.005	89	31511	0.4000	0.3807	
59 Dibromomethane	93	12.133	12.139	-0.006	95	36514	0.4000	0.3914	
60 Dichlorobromomethane	83	12.278	12.280	-0.002	98	56847	0.4000	0.3679	
61 1,4-Dioxane	88	12.284	12.290	-0.006	37	11964	0.4000	0.3755	
62 Methyl methacrylate	41	12.354	12.359	-0.005	90	42757	0.4000	0.3915	
63 Methylcyclohexane	83	12.811	12.814	-0.003	91	51998	0.4000	0.3846	
64 4-Methyl-2-pentanone (MIBK)	43	13.204	13.200	0.004	97	77437	0.4000	0.3906	
65 cis-1,3-Dichloropropene	75	13.268	13.267	0.001	98	44186	0.4000	0.3698	
66 trans-1,3-Dichloropropene	75	13.951	13.950	0.001	95	38006	0.4000	0.3598	
67 Toluene	91	14.075	14.076	-0.001	93	105508	0.4000	0.3893	
68 1,1,2-Trichloroethane	83	14.150	14.149	0.001	94	34396	0.4000	0.3971	
69 2-Hexanone	58	14.516	14.517	-0.001	92	33743	0.4000	0.3792	
70 n-Octane	85	14.737	14.742	-0.005	97	27077	0.4000	0.3951	
71 Chlorodibromomethane	129	14.844	14.848	-0.004	95	42770	0.4000	0.3524	
72 Ethylene Dibromide	107	15.135	15.139	-0.004	97	49979	0.4000	0.3796	
73 Tetrachloroethene	129	15.205	15.205	0.000	93	31984	0.4000	0.3823	
75 Chlorobenzene	112	16.076	16.074	0.002	75	71910	0.4000	0.3914	
74 2,3-Dimethylheptane	43	16.071	16.076	-0.005	93	119402	0.4000	0.4223	
76 Ethylbenzene	91	16.351	16.353	-0.002	99	131098	0.4000	0.3849	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	99	214549	0.8000	0.7610	
78 n-Nonane	57	16.916	16.919	-0.003	93	74786	0.4000	0.3969	
79 Bromoform	173	16.975	16.974	0.001	92	42958	0.4000	0.3017	
80 Styrene	104	16.980	16.984	-0.004	95	59666	0.4000	0.3493	
81 o-Xylene	91	17.045	17.045	0.000	97	109628	0.4000	0.3850	
82 1,1,2,2-Tetrachloroethane	83	17.373	17.374	-0.001	98	75322	0.4000	0.3659	
83 1,2,3-Trichloropropane	110	17.534	17.538	-0.004	95	14350	0.4000	0.3627	

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	17.642	17.641	0.001	96	134529	0.4000	0.3882	
85 N-Propylbenzene	120	18.180	18.179	0.001	97	32584	0.4000	0.3778	
86 2-Chlorotoluene	126	18.234	18.229	0.005	97	31097	0.4000	0.3877	
87 4-Ethyltoluene	105	18.325	18.328	-0.003	98	125893	0.4000	0.3675	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	89	47039	0.4000	0.3646	
89 Alpha Methyl Styrene	118	18.632	18.632	0.000	84	44196	0.4000	0.3413	
90 n-Decane	57	18.675	18.676	-0.001	88	96332	0.4000	0.3994	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	88	110558	0.4000	0.3770	
92 1,2,4-Trimethylbenzene	105	18.836	18.838	-0.002	96	117030	0.4000	0.3839	
93 sec-Butylbenzene	105	19.094	19.093	0.001	97	161058	0.4000	0.3686	
94 1,3-Dichlorobenzene	146	19.110	19.114	-0.004	97	65825	0.4000	0.3571	
95 Benzyl chloride	91	19.186	19.185	0.001	95	47996	0.4000	0.3557	
96 1,4-Dichlorobenzene	146	19.196	19.199	-0.003	90	63355	0.4000	0.3554	
97 4-Isopropyltoluene	119	19.250	19.252	-0.002	97	122670	0.4000	0.3702	
98 1,2,3-Trimethylbenzene	105	19.309	19.309	0.000	98	115172	0.4000	0.3909	
99 Butylcyclohexane	83	19.358	19.358	0.000	89	102812	0.4000	0.3880	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	91	97356	0.4000	0.3705	
101 1,2-Dichlorobenzene	146	19.557	19.560	-0.003	78	63603	0.4000	0.3497	
102 n-Butylbenzene	91	19.681	19.684	-0.003	94	138646	0.4000	0.3643	
103 Indene	116	19.686	19.687	-0.001	85	70607	0.4000	0.3424	
104 Undecane	57	19.982	19.982	0.000	94	100920	0.4000	0.3769	
105 1,2-Dibromo-3-Chloropropane	157	20.159	20.158	0.001	86	24588	0.4000	0.3303	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	117734	0.4000	0.3595	
107 Dodecane	57	21.063	21.060	0.003	92	100498	0.4000	0.3635	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	94	32749	0.4000	0.3545	
109 Naphthalene	128	21.440	21.439	0.001	98	78663	0.4000	0.2931	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	92	93643	0.4000	0.3685	
111 1,2,3-Trichlorobenzene	180	21.693	21.693	0.000	93	43820	0.4000	0.3385	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	94	15267	0.4000	0.2800	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	98	23261	0.4000	0.3674	
A 115 C8 Range	1	14.742	(14.699-14.785)		0	351417	0.4000	0.4358	
S 116 Xylenes, Total	100				0		1.20	1.15	
S 117 1,2-Dichloroethene, Total	1				0		0.8000	0.7744	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

40L5DQP_00028

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC05.D

Injection Date: 25-Sep-2021 19:38:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L5

Worklist Smp#: 13

Client ID:

Purge Vol: 500.000 mL

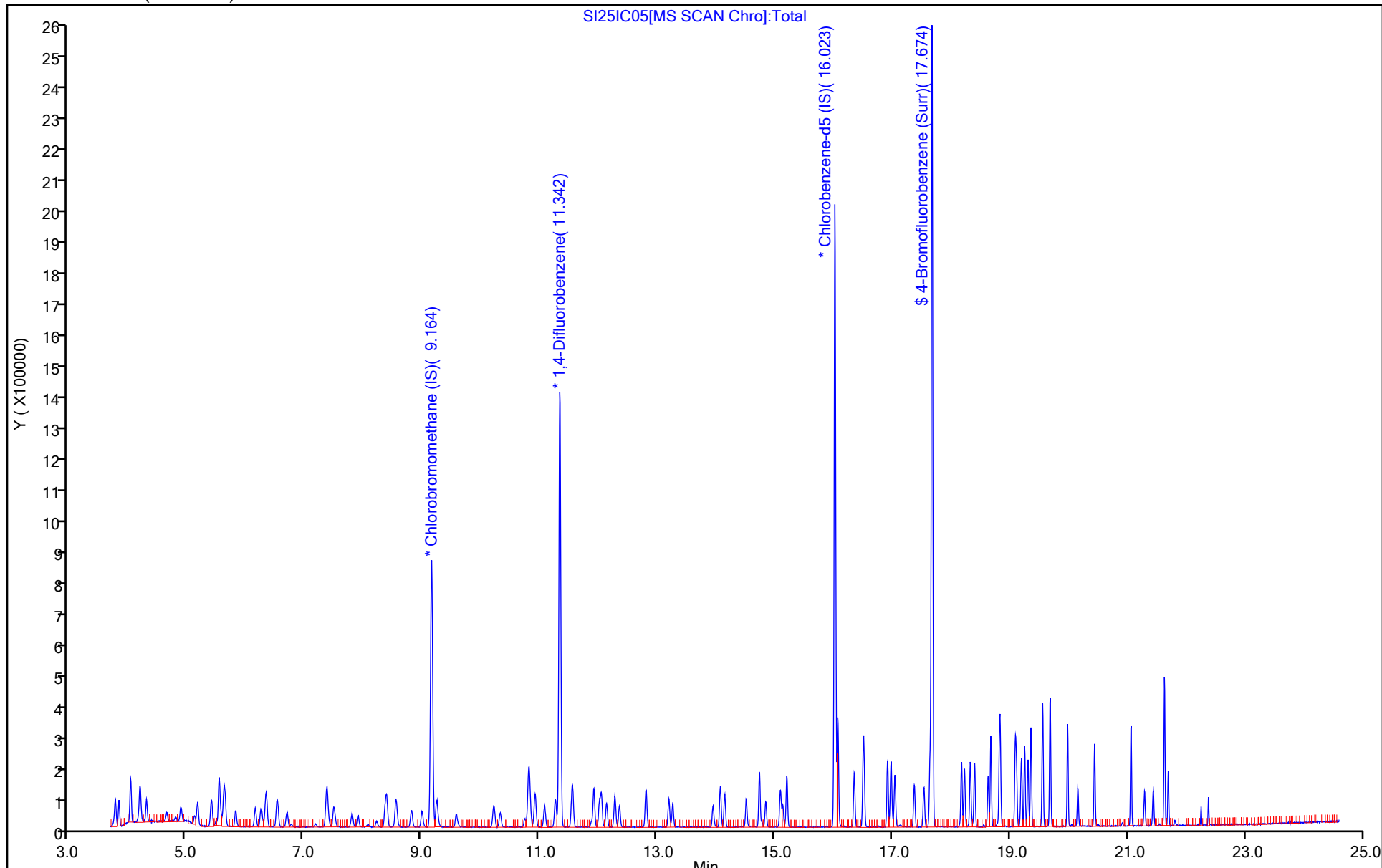
Dil. Factor: 1.0000

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\20210925-20838.b\SI25IC05.D

Injection Date: 25-Sep-2021 19:38:30

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

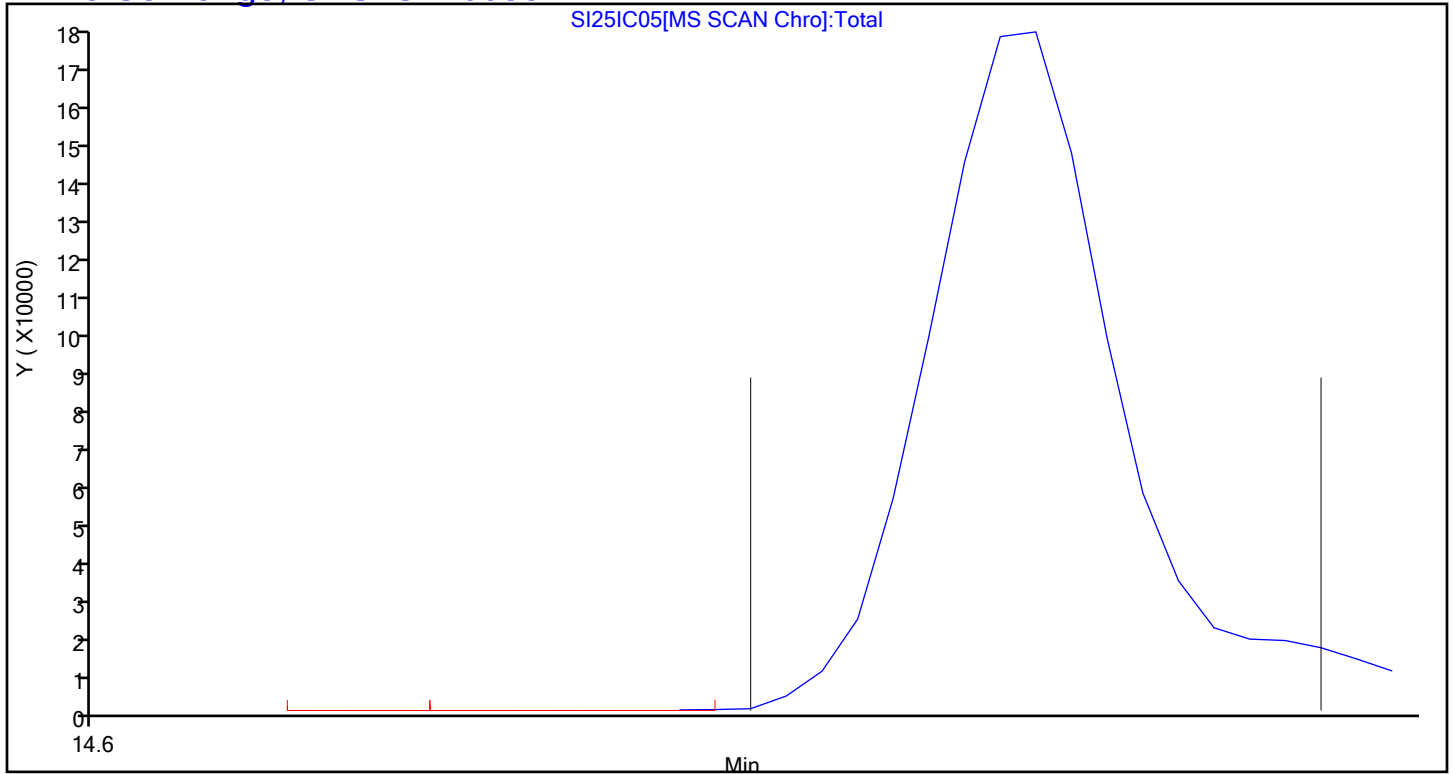
Method: MS_TO15A

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

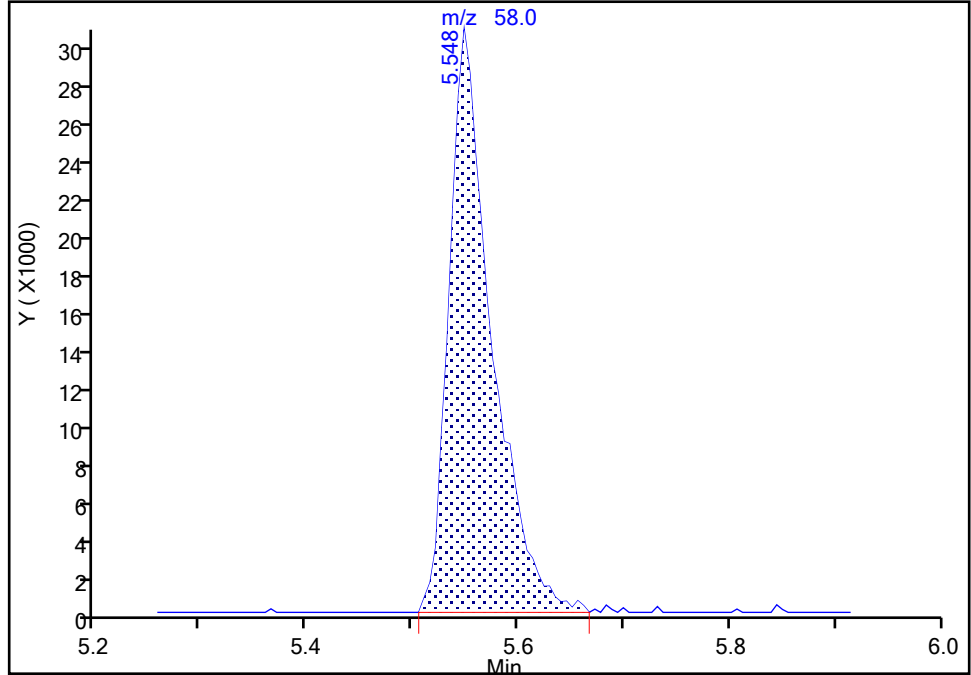
Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C05.D
Injection Date: 25-Sep-2021 19:38:30 Instrument ID: MS
Lims ID: IC L5
Client ID:
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

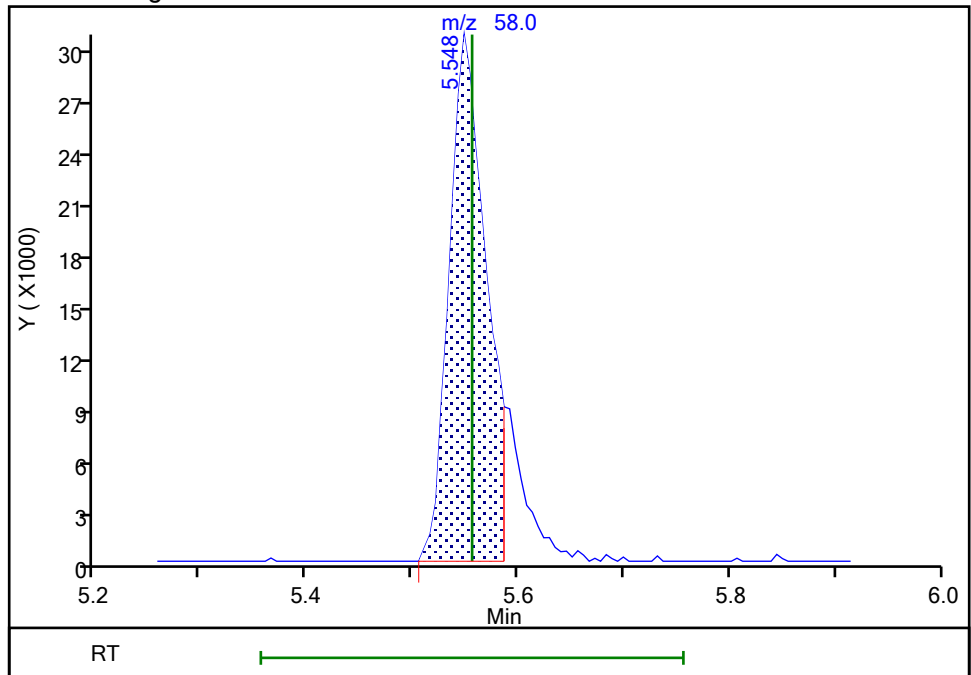
RT: 5.55
Area: 85322
Amount: 2.057183
Amount Units: ppb v/v

Processing Integration Results



RT: 5.55
Area: 74308
Amount: 1.860238
Amount Units: ppb v/v

Manual Integration Results



Reviewer: barlozhetskayaa, 27-Sep-2021 12:26:38

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C06.D
 Lims ID: IC L6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 25-Sep-2021 20:25:30 ALS Bottle#: 15 Worklist Smp#: 14
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-014
 Misc. Info.: 418205
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:18:49 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa

Date: 27-Sep-2021 09:12:09

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	9.169	9.166	0.003	93	219738	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	96	1167742	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.028	16.025	0.003	92	1013864	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.676	-0.002	93	837819	4.64	4.67	
6 Chlorodifluoromethane	51	3.784	3.781	0.003	98	128258	1.00	1.03	
7 Propene	41	3.795	3.791	0.004	99	62111	1.00	1.08	
8 Dichlorodifluoromethane	85	3.854	3.850	0.004	100	185692	1.00	1.05	
9 Chloromethane	52	4.042	4.043	-0.001	58	18121	1.00	1.13	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.053	4.049	0.004	91	118159	1.00	1.07	
11 Acetaldehyde	44	4.209	4.206	0.003	95	125624	5.00	5.23	
12 Vinyl chloride	62	4.225	4.225	0.000	99	56405	1.00	1.03	
14 Butane	43	4.322	4.317	0.005	82	78627	1.00	1.04	
13 Butadiene	54	4.322	4.319	0.003	72	46008	1.00	1.12	
15 Bromomethane	94	4.666	4.661	0.005	97	51944	1.00	1.04	
16 Chloroethane	64	4.811	4.811	0.000	94	22998	1.00	1.11	
17 Ethanol	31	4.903	4.908	-0.005	93	104049	5.00	5.60	
18 Vinyl bromide	106	5.134	5.136	-0.002	97	61199	1.00	1.04	
19 2-Methylbutane	43	5.188	5.185	0.003	92	93048	1.00	1.08	
20 Trichlorofluoromethane	101	5.419	5.423	-0.004	99	179911	1.00	1.05	
21 Acrolein	56	5.441	5.435	0.006	92	22334	1.00	0.9705	
22 Acetonitrile	40	5.511	5.509	0.002	100	34895	1.00	1.11	
23 Acetone	58	5.554	5.556	-0.002	98	121691	3.00	3.15	
24 Isopropyl alcohol	45	5.635	5.640	-0.005	95	296589	3.00	3.04	
25 Pentane	72	5.656	5.656	0.000	96	7674	1.00	1.02	
26 Ethyl ether	31	5.828	5.834	-0.006	93	81584	1.00	1.05	
27 1,1-Dichloroethene	96	6.167	6.170	-0.003	94	63914	1.00	1.02	
29 2-Methyl-2-propanol	59	6.259	6.266	-0.007	94	108364	1.00	0.99	
28 Acrylonitrile	53	6.280	6.280	0.000	94	56809	1.00	1.05	
30 112TCTFE	101	6.355	6.351	0.004	95	139212	1.00	1.05	
31 Methylene Chloride	84	6.538	6.536	0.002	96	64821	1.00	0.9756	

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	6.554	6.552	0.002	95	66532	1.00	0.9209	
33 Carbon disulfide	76	6.705	6.706	-0.001	99	200931	1.00	1.04	
34 trans-1,2-Dichloroethene	96	7.378	7.376	0.002	93	62864	1.00	1.02	
35 2-Methylpentane	43	7.394	7.390	0.004	95	182838	1.00	1.05	
36 Methyl tert-butyl ether	73	7.501	7.506	-0.005	96	168383	1.00	1.03	
37 1,1-Dichloroethane	63	7.819	7.815	0.004	100	135089	1.00	1.04	
38 Vinyl acetate	43	7.915	7.915	0.000	100	185353	1.00	1.02	
39 2-Butanone (MEK)	72	8.373	8.377	-0.004	96	34017	1.00	0.9821	
40 Hexane	56	8.400	8.402	-0.002	89	59014	1.00	1.06	
41 Isopropyl ether	45	8.556	8.563	-0.007	96	271165	1.00	1.06	
42 cis-1,2-Dichloroethene	96	8.825	8.825	0.000	98	67402	1.00	1.00	
43 Ethyl acetate	43	9.002	9.005	-0.003	98	175845	1.00	1.02	
44 Chloroform	83	9.180	9.176	0.004	95	157403	1.00	1.03	
45 Tert-butyl ethyl ether	59	9.250	9.259	-0.009	97	222121	1.00	1.05	
46 Tetrahydrofuran	42	9.572	9.586	-0.014	93	89637	1.00	1.06	
47 1,1,1-Trichloroethane	97	10.229	10.225	0.004	95	140110	1.00	1.00	
48 1,2-Dichloroethane	62	10.336	10.334	0.002	97	110987	1.00	1.04	
49 n-Butanol	31	10.745	10.749	-0.004	91	24788	1.00	0.9678	
51 Benzene	78	10.820	10.817	0.003	97	219715	1.00	1.02	
50 Cyclohexane	69	10.815	10.817	-0.002	68	35694	1.00	1.06	
52 Carbon tetrachloride	117	10.842	10.841	0.001	93	95307	1.00	0.9017	
53 2,3-Dimethylpentane	71	10.928	10.926	0.002	91	47021	1.00	1.05	
54 Thiophene	84	11.089	11.087	0.002	99	121271	1.00	1.06	
55 Isooctane	57	11.557	11.560	-0.003	97	394166	1.00	1.05	
56 n-Heptane	71	11.929	11.925	0.004	94	74060	1.00	1.07	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	92	92940	1.00	1.05	
58 Trichloroethene	130	12.058	12.052	0.006	91	75625	1.00	0.9657	
59 Dibromomethane	93	12.144	12.139	0.005	95	90628	1.00	1.03	
60 Dichlorobromomethane	83	12.278	12.280	-0.002	98	151091	1.00	1.03	
61 1,4-Dioxane	88	12.289	12.290	-0.001	48	29189	1.00	0.9681	
62 Methyl methacrylate	41	12.359	12.359	0.000	89	106901	1.00	1.03	
63 Methylcyclohexane	83	12.811	12.814	-0.003	91	128501	1.00	1.00	
64 4-Methyl-2-pentanone (MIBK)	43	13.198	13.200	-0.002	98	195168	1.00	1.04	
65 cis-1,3-Dichloropropene	75	13.268	13.267	0.001	98	116940	1.00	1.03	
66 trans-1,3-Dichloropropene	75	13.951	13.950	0.001	97	101004	1.00	1.01	
67 Toluene	91	14.075	14.076	-0.001	93	258469	1.00	1.00	
68 1,1,2-Trichloroethane	83	14.145	14.149	-0.004	96	84778	1.00	1.03	
69 2-Hexanone	58	14.516	14.517	-0.001	92	87654	1.00	1.04	
70 n-Octane	85	14.742	14.742	0.000	96	69207	1.00	1.06	
71 Chlorodibromomethane	129	14.850	14.848	0.002	96	114853	1.00	0.99	
72 Ethylene Dibromide	107	15.140	15.139	0.001	99	126376	1.00	1.01	
73 Tetrachloroethene	129	15.205	15.205	0.000	92	83571	1.00	1.05	
74 2,3-Dimethylheptane	43	16.076	16.076	0.000	93	295762	1.00	1.10	
75 Chlorobenzene	112	16.076	16.074	0.002	88	174895	1.00	1.00	
76 Ethylbenzene	91	16.351	16.353	-0.002	100	332623	1.00	1.03	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	99	536426	2.00	2.00	
78 n-Nonane	57	16.921	16.919	0.002	93	190387	1.00	1.06	
79 Bromoform	173	16.975	16.974	0.001	95	127305	1.00	0.9399	
80 Styrene	104	16.985	16.984	0.001	97	166683	1.00	1.03	
81 o-Xylene	91	17.045	17.045	0.000	97	277942	1.00	1.03	
82 1,1,2,2-Tetrachloroethane	83	17.378	17.374	0.004	98	204246	1.00	1.04	
83 1,2,3-Trichloropropane	110	17.540	17.538	0.002	96	39923	1.00	1.06	

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	17.642	17.641	0.001	98	333082	1.00	1.01	
85 N-Propylbenzene	120	18.180	18.179	0.001	98	84644	1.00	1.03	
86 2-Chlorotoluene	126	18.228	18.229	-0.001	96	76227	1.00	1.00	
87 4-Ethyltoluene	105	18.325	18.328	-0.003	98	334227	1.00	1.03	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	90	124450	1.00	1.01	
89 Alpha Methyl Styrene	118	18.632	18.632	0.000	85	124536	1.00	1.01	
90 n-Decane	57	18.675	18.676	-0.001	88	249980	1.00	1.09	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	86	286793	1.00	1.03	
92 1,2,4-Trimethylbenzene	105	18.836	18.838	-0.002	95	295748	1.00	1.02	
93 sec-Butylbenzene	105	19.094	19.093	0.001	97	421357	1.00	1.01	
94 1,3-Dichlorobenzene	146	19.110	19.114	-0.004	97	170700	1.00	0.9735	
95 Benzyl chloride	91	19.186	19.185	0.001	95	155190	1.00	0.8815	
96 1,4-Dichlorobenzene	146	19.196	19.199	-0.003	91	165756	1.00	0.9775	
97 4-Isopropyltoluene	119	19.250	19.252	-0.002	95	320189	1.00	1.02	
98 1,2,3-Trimethylbenzene	105	19.309	19.309	0.000	99	300354	1.00	1.07	
99 Butylcyclohexane	83	19.358	19.358	0.000	90	265961	1.00	1.06	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	91	256097	1.00	1.02	
101 1,2-Dichlorobenzene	146	19.557	19.560	-0.003	78	171004	1.00	0.9883	
102 n-Butylbenzene	91	19.686	19.684	0.002	95	368727	1.00	1.02	
103 Indene	116	19.686	19.687	-0.001	87	204017	1.00	1.04	
104 Undecane	57	19.982	19.982	0.000	95	265454	1.00	1.04	
105 1,2-Dibromo-3-Chloropropane	157	20.159	20.158	0.001	90	69605	1.00	0.9829	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	302257	1.00	0.9701	
107 Dodecane	57	21.058	21.060	-0.002	93	278800	1.00	1.06	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	94	94072	1.00	1.01	
109 Naphthalene	128	21.440	21.439	0.001	98	227841	1.00	0.8924	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	93	237530	1.00	0.9824	
111 1,2,3-Trichlorobenzene	180	21.693	21.693	0.000	95	122155	1.00	0.99	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	96	45094	1.00	0.8693	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	99	65229	1.00	1.08	
A 115 C8 Range	1	14.747	(14.694-14.791)		0	802769	1.00	1.05	
S 116 Xylenes, Total	100				0		3.00	3.03	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.01	

QC Flag Legend

Processing Flags

Reagents:

40L6DQP_00027

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC06.D

Injection Date: 25-Sep-2021 20:25:30

Instrument ID: MS

Operator ID: HMT

Lims ID: IC L6

Worklist Smp#: 14

Client ID:

Purge Vol: 500.000 mL

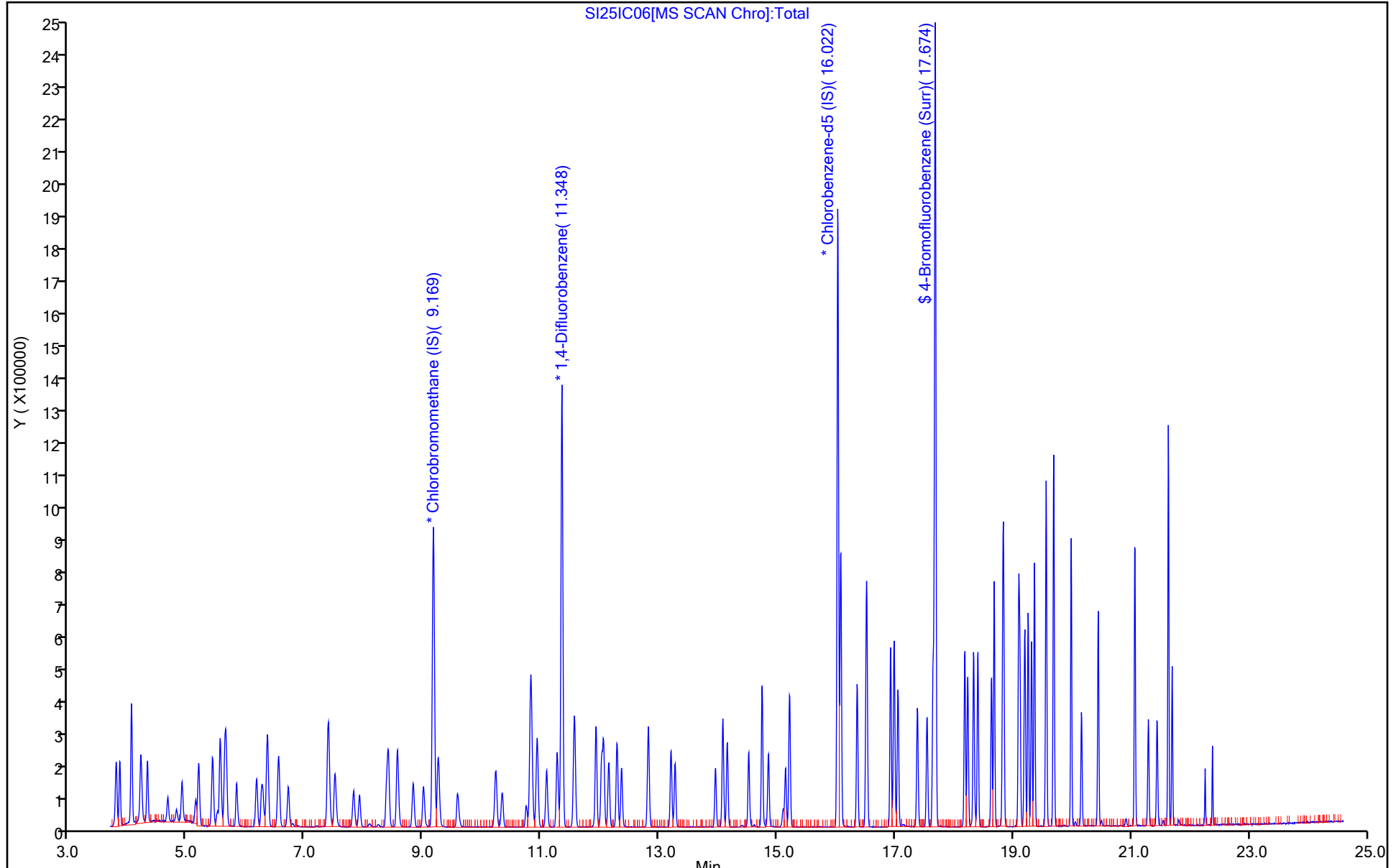
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC06.D

Injection Date: 25-Sep-2021 20:25:30

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

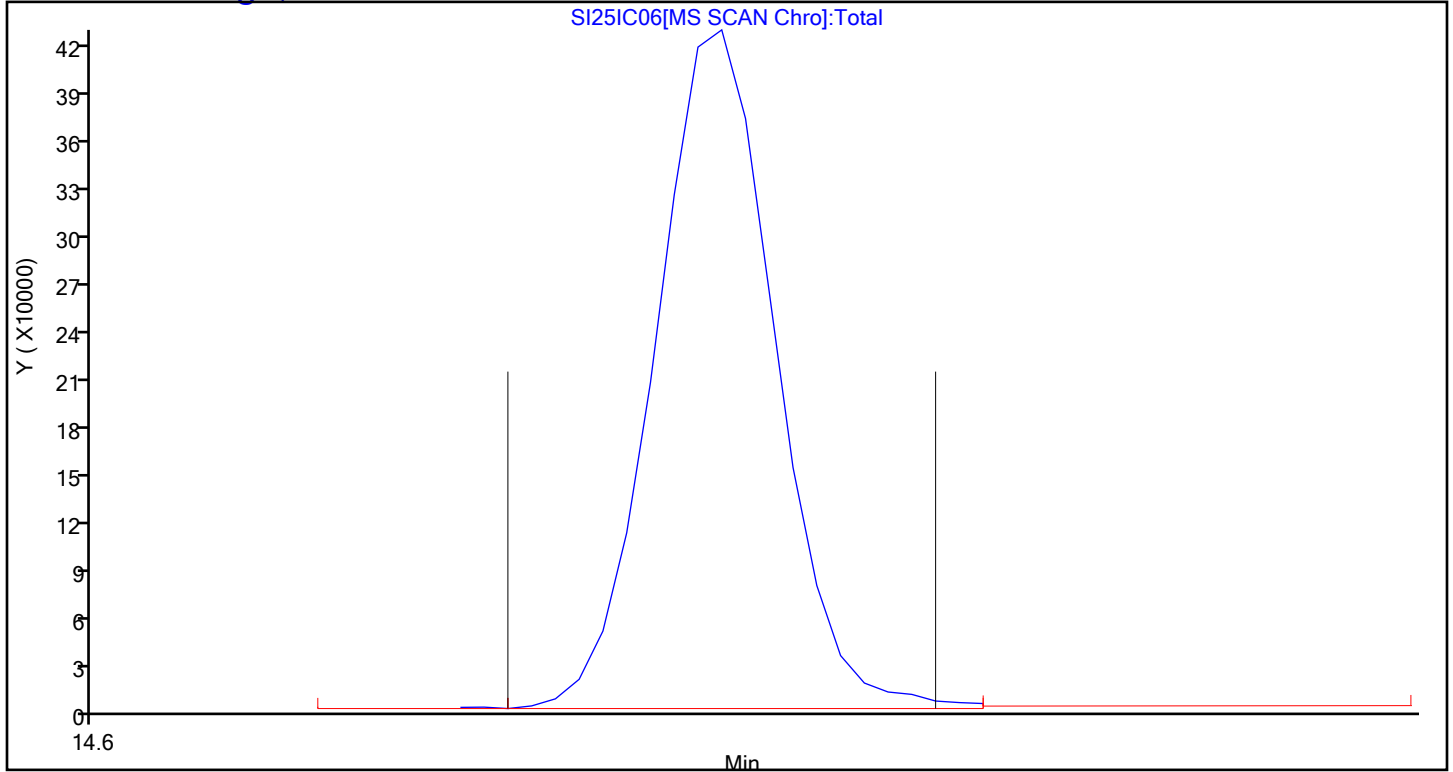
Method: MS_TO15A

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\20210925-20838.b\SI251C07.D
 Lims ID: ICIS L7
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 25-Sep-2021 21:13:30 ALS Bottle#: 16 Worklist Smp#: 15
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-015
 Misc. Info.: 417458
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:19:13 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI251C07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa

Date: 27-Sep-2021 13:19:12

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	9.163	9.166	-0.003	93	221294	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	96	1209225	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.022	16.025	-0.003	92	1045014	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.676	-0.002	93	872916	4.64	4.72	
6 Chlorodifluoromethane	51	3.778	3.781	-0.003	97	256876	2.00	2.04	
7 Propene	41	3.789	3.791	-0.002	99	121470	2.00	2.09	
8 Dichlorodifluoromethane	85	3.848	3.850	-0.002	100	382832	2.00	2.16	
9 Chloromethane	52	4.042	4.043	-0.001	55	33679	2.00	2.09	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.047	4.049	-0.002	91	234293	2.00	2.11	
11 Acetaldehyde	44	4.203	4.206	-0.003	96	223798	10.0	11.8	
12 Vinyl chloride	62	4.225	4.225	0.000	99	114433	2.00	2.07	
14 Butane	43	4.316	4.317	-0.001	83	158991	2.00	2.08	
13 Butadiene	54	4.316	4.319	-0.003	71	88512	2.00	2.14	
15 Bromomethane	94	4.661	4.661	0.000	98	107152	2.00	2.13	
16 Chloroethane	64	4.811	4.811	0.000	94	43968	2.00	2.10	
17 Ethanol	31	4.903	4.908	-0.005	94	217436	10.0	11.6	
18 Vinyl bromide	106	5.134	5.136	-0.002	97	121750	2.00	2.06	
19 2-Methylbutane	43	5.183	5.185	-0.002	92	181888	2.00	2.09	
20 Trichlorofluoromethane	101	5.419	5.423	-0.004	99	359904	2.00	2.08	
21 Acrolein	56	5.430	5.435	-0.005	91	52087	2.00	2.25	
22 Acetonitrile	40	5.505	5.509	-0.004	97	68740	2.00	2.18	
23 Acetone	58	5.548	5.556	-0.008	98	215441	6.00	5.54	
24 Isopropyl alcohol	45	5.629	5.640	-0.011	95	628954	6.00	6.41	
25 Pentane	72	5.645	5.656	-0.011	94	16244	2.00	2.15	
26 Ethyl ether	31	5.823	5.834	-0.011	93	163077	2.00	2.08	
27 1,1-Dichloroethene	96	6.172	6.170	0.002	94	126386	2.00	2.01	
29 2-Methyl-2-propanol	59	6.248	6.266	-0.018	95	232733	2.00	2.11	
28 Acrylonitrile	53	6.280	6.280	0.000	95	111276	2.00	2.04	
30 112TCTFE	101	6.355	6.351	0.004	96	275552	2.00	2.07	
31 Methylene Chloride	84	6.533	6.536	-0.003	96	127668	2.00	1.91	

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	6.549	6.552	-0.003	95	145798	2.00	2.00	
33 Carbon disulfide	76	6.705	6.706	-0.001	99	401173	2.00	2.06	
34 trans-1,2-Dichloroethene	96	7.377	7.376	0.001	94	127456	2.00	2.04	
35 2-Methylpentane	43	7.388	7.390	-0.002	96	365737	2.00	2.09	
36 Methyl tert-butyl ether	73	7.490	7.506	-0.016	95	343535	2.00	2.08	
37 1,1-Dichloroethane	63	7.813	7.815	-0.002	100	273643	2.00	2.10	
38 Vinyl acetate	43	7.910	7.915	-0.005	100	387438	2.00	2.11	
39 2-Butanone (MEK)	72	8.367	8.377	-0.010	97	68464	2.00	1.96	
40 Hexane	56	8.400	8.402	-0.002	90	116693	2.00	2.08	
41 Isopropyl ether	45	8.556	8.563	-0.007	96	540655	2.00	2.09	
42 cis-1,2-Dichloroethene	96	8.830	8.825	0.005	99	135522	2.00	1.99	
43 Ethyl acetate	43	8.997	9.005	-0.008	98	362239	2.00	2.08	
44 Chloroform	83	9.180	9.176	0.004	96	318484	2.00	2.07	
45 Tert-butyl ethyl ether	59	9.249	9.259	-0.010	97	458860	2.00	2.15	
46 Tetrahydrofuran	42	9.572	9.586	-0.014	94	181366	2.00	2.12	
47 1,1,1-Trichloroethane	97	10.223	10.225	-0.002	95	290908	2.00	2.07	
48 1,2-Dichloroethane	62	10.331	10.334	-0.003	97	220290	2.00	1.99	
49 n-Butanol	31	10.734	10.749	-0.015	89	53531	2.00	2.02	
50 Cyclohexane	69	10.815	10.817	-0.002	77	71254	2.00	2.05	
51 Benzene	78	10.815	10.817	-0.002	97	443233	2.00	1.99	
52 Carbon tetrachloride	117	10.836	10.841	-0.005	94	254132	2.00	2.32	
53 2,3-Dimethylpentane	71	10.923	10.926	-0.003	92	94342	2.00	2.03	
54 Thiophene	84	11.089	11.087	0.002	98	242741	2.00	2.05	
55 Isooctane	57	11.557	11.560	-0.003	97	784535	2.00	2.02	
56 n-Heptane	71	11.923	11.925	-0.002	94	144758	2.00	2.01	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	92	187201	2.00	2.03	
58 Trichloroethene	130	12.052	12.052	0.000	91	152254	2.00	1.88	
59 Dibromomethane	93	12.138	12.139	-0.001	97	181560	2.00	1.99	
60 Dichlorobromomethane	83	12.278	12.280	-0.002	98	314040	2.00	2.07	
61 1,4-Dioxane	88	12.284	12.290	-0.006	40	65091	2.00	2.08	
62 Methyl methacrylate	41	12.359	12.359	0.000	90	220199	2.00	2.06	
63 Methylcyclohexane	83	12.811	12.814	-0.003	92	260770	2.00	1.97	
64 4-Methyl-2-pentanone (MIBK)	43	13.193	13.200	-0.007	98	404219	2.00	2.08	
65 cis-1,3-Dichloropropene	75	13.268	13.267	0.001	98	243009	2.00	2.08	
66 trans-1,3-Dichloropropene	75	13.951	13.950	0.001	97	216034	2.00	2.09	
67 Toluene	91	14.075	14.076	-0.001	92	523469	2.00	1.97	
68 1,1,2-Trichloroethane	83	14.150	14.149	0.001	95	171695	2.00	2.02	
69 2-Hexanone	58	14.511	14.517	-0.006	92	182109	2.00	2.09	
70 n-Octane	85	14.742	14.742	0.000	96	138096	2.00	2.06	
71 Chlorodibromomethane	129	14.844	14.848	-0.004	96	254979	2.00	2.14	
72 Ethylene Dibromide	107	15.140	15.139	0.001	97	266036	2.00	2.06	
73 Tetrachloroethene	129	15.205	15.205	0.000	93	166028	2.00	2.02	
75 Chlorobenzene	112	16.071	16.074	-0.003	87	359916	2.00	2.00	
74 2,3-Dimethylheptane	43	16.076	16.076	0.000	95	587555	2.00	2.12	
76 Ethylbenzene	91	16.351	16.353	-0.002	99	681080	2.00	2.04	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	100	1095971	4.00	3.96	
78 n-Nonane	57	16.921	16.919	0.002	94	385968	2.00	2.09	
79 Bromoform	173	16.975	16.974	0.001	96	304537	2.00	2.18	
80 Styrene	104	16.980	16.984	-0.004	97	355448	2.00	2.12	
81 o-Xylene	91	17.045	17.045	-0.001	97	568008	2.00	2.03	
82 1,1,2,2-Tetrachloroethane	83	17.373	17.374	-0.001	99	417456	2.00	2.07	
83 1,2,3-Trichloropropane	110	17.539	17.538	0.001	95	82016	2.00	2.11	

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	17.642	17.641	0.001	98	683170	2.00	2.01	
85 N-Propylbenzene	120	18.180	18.179	0.001	97	172736	2.00	2.04	
86 2-Chlorotoluene	126	18.228	18.229	-0.001	96	154030	2.00	1.96	
87 4-Ethyltoluene	105	18.325	18.328	-0.003	98	697622	2.00	2.08	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	90	255293	2.00	2.02	
89 Alpha Methyl Styrene	118	18.631	18.632	-0.001	83	265772	2.00	2.09	
90 n-Decane	57	18.675	18.676	-0.001	88	508529	2.00	2.15	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	87	586446	2.00	2.04	
92 1,2,4-Trimethylbenzene	105	18.836	18.838	-0.002	96	621476	2.00	2.08	
93 sec-Butylbenzene	105	19.089	19.093	-0.004	98	876788	2.00	2.05	
94 1,3-Dichlorobenzene	146	19.110	19.114	-0.004	97	365679	2.00	2.02	
95 Benzyl chloride	91	19.186	19.185	0.001	96	372874	2.00	1.87	
96 1,4-Dichlorobenzene	146	19.202	19.199	0.003	93	347823	2.00	1.99	
97 4-Isopropyltoluene	119	19.250	19.252	-0.002	95	660392	2.00	2.03	
98 1,2,3-Trimethylbenzene	105	19.309	19.309	0.000	99	620596	2.00	2.12	
99 Butylcyclohexane	83	19.358	19.358	0.000	90	540737	2.00	2.08	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	92	550936	2.00	2.14	
101 1,2-Dichlorobenzene	146	19.557	19.560	-0.003	98	367143	2.00	2.06	
102 n-Butylbenzene	91	19.686	19.684	0.002	94	797093	2.00	2.14	
103 Indene	116	19.686	19.687	-0.001	88	451407	2.00	2.23	
104 Undecane	57	19.982	19.982	0.000	95	568477	2.00	2.17	
105 1,2-Dibromo-3-Chloropropane	157	20.159	20.158	0.001	92	158963	2.00	2.18	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	642209	2.00	2.00	
107 Dodecane	57	21.058	21.060	-0.002	93	562684	2.00	2.08	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	94	223300	2.00	2.11	
109 Naphthalene	128	21.440	21.439	0.001	98	500963	2.00	1.90	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	91	503156	2.00	2.02	
111 1,2,3-Trichlorobenzene	180	21.692	21.693	-0.001	94	261216	2.00	2.06	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	98	105458	2.00	1.97	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	97	131782	2.00	2.12	
A 115 C8 Range	1	14.747	(14.688-14.785)		0	1594537	2.00	2.02	
S 116 Xylenes, Total	100				0		6.00	6.00	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.04	

QC Flag Legend

Processing Flags

Reagents:

40L7DQP_00027

Amount Added: 200.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D

Injection Date: 25-Sep-2021 21:13:30

Instrument ID: MS

Operator ID: HMT

Lims ID: ICIS L7

Worklist Smp#: 15

Client ID:

Purge Vol: 500.000 mL

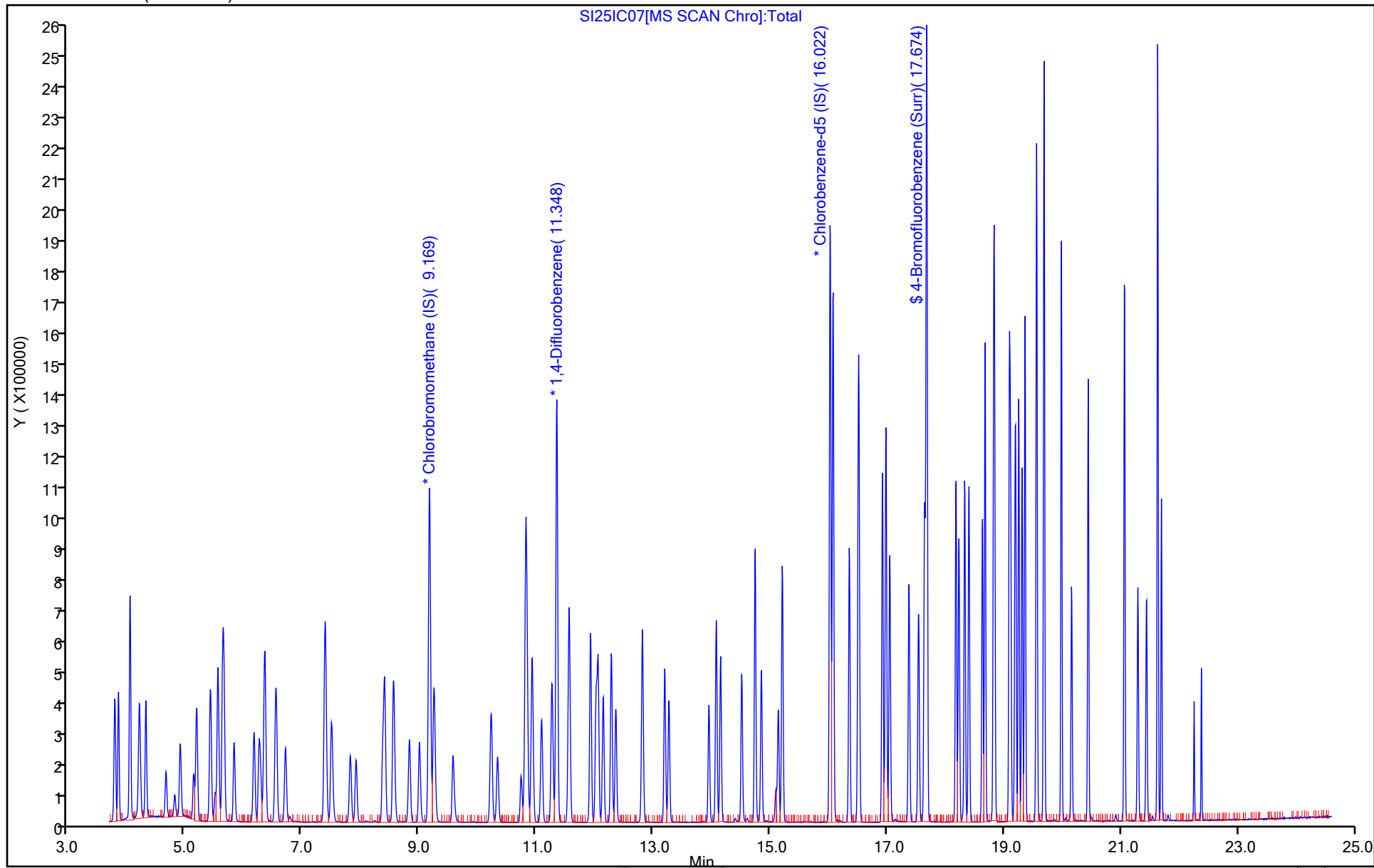
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D

Injection Date: 25-Sep-2021 21:13:30

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

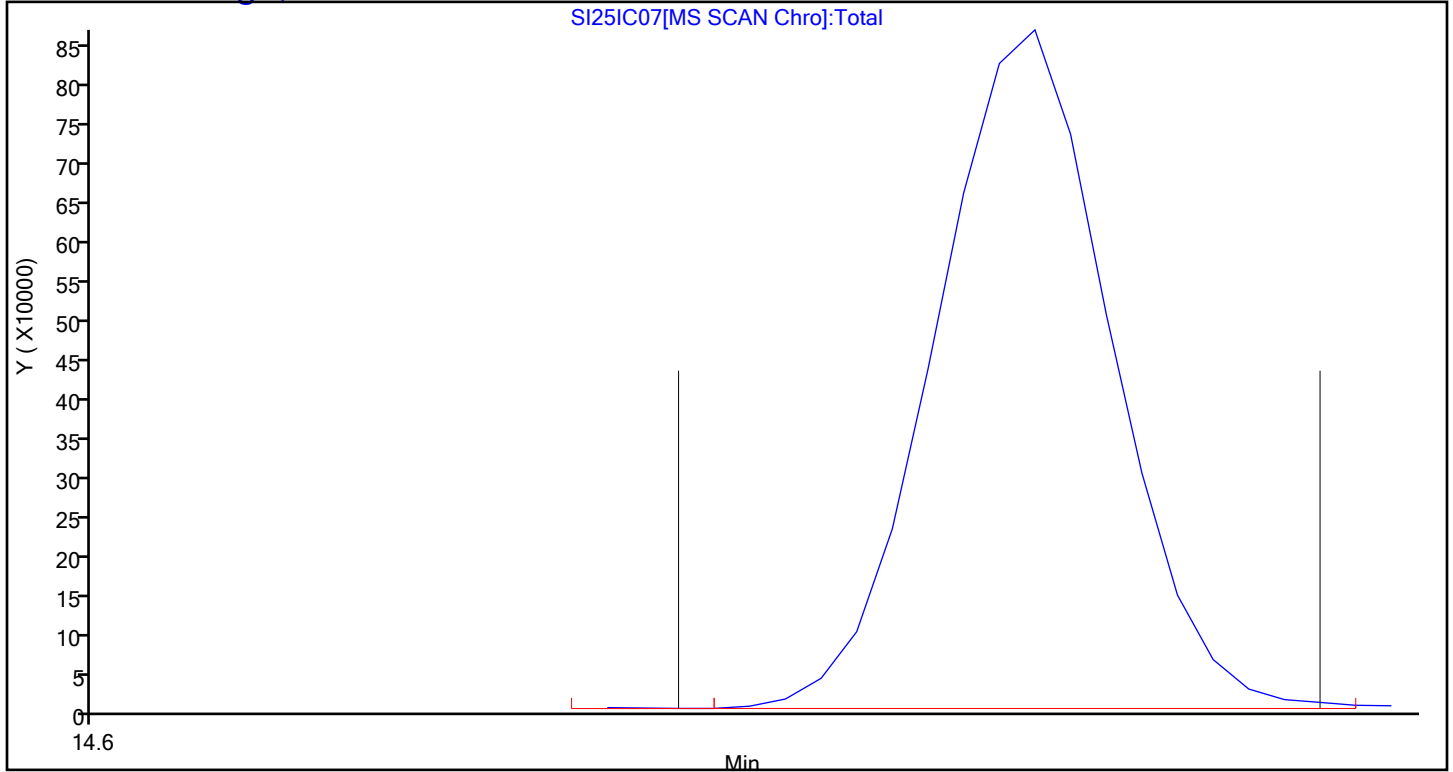
Method: MS_TO15A

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

A 115 C8 Range, CAS: STL00834



Calibration

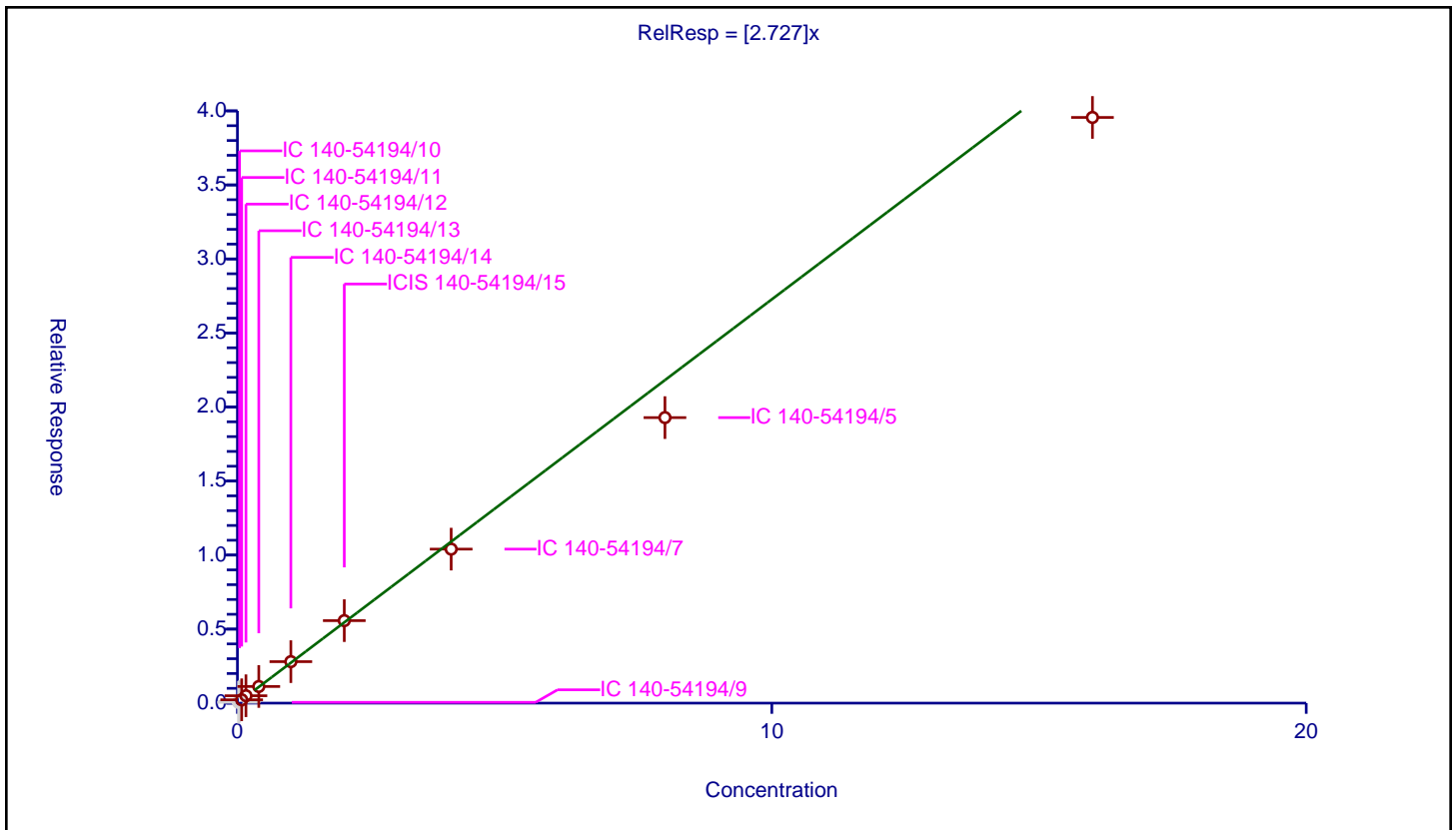
/ Chlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	2.727

Error Coefficients	
Standard Error:	891000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.054394	4.8	246027.0	2.719701	N
2	IC 140-54194/10	0.04	0.120324	4.8	235125.0	3.008102	N
3	IC 140-54194/11	0.08	0.225516	4.8	237514.0	2.81895	Y
4	IC 140-54194/12	0.16	0.498692	4.8	232583.0	3.116823	Y
5	IC 140-54194/13	0.4	1.123503	4.8	227272.0	2.808758	Y
6	IC 140-54194/14	1.0	2.801693	4.8	219738.0	2.801693	Y
7	ICIS 140-54194/15	2.0	5.571795	4.8	221294.0	2.785897	Y
8	IC 140-54194/7	4.0	10.401553	4.8	240493.0	2.600388	Y
9	IC 140-54194/5	8.0	19.284486	4.8	261346.0	2.410561	Y
10	IC 140-54194/3	16.0	39.556708	4.8	245505.0	2.472294	Y



Calibration

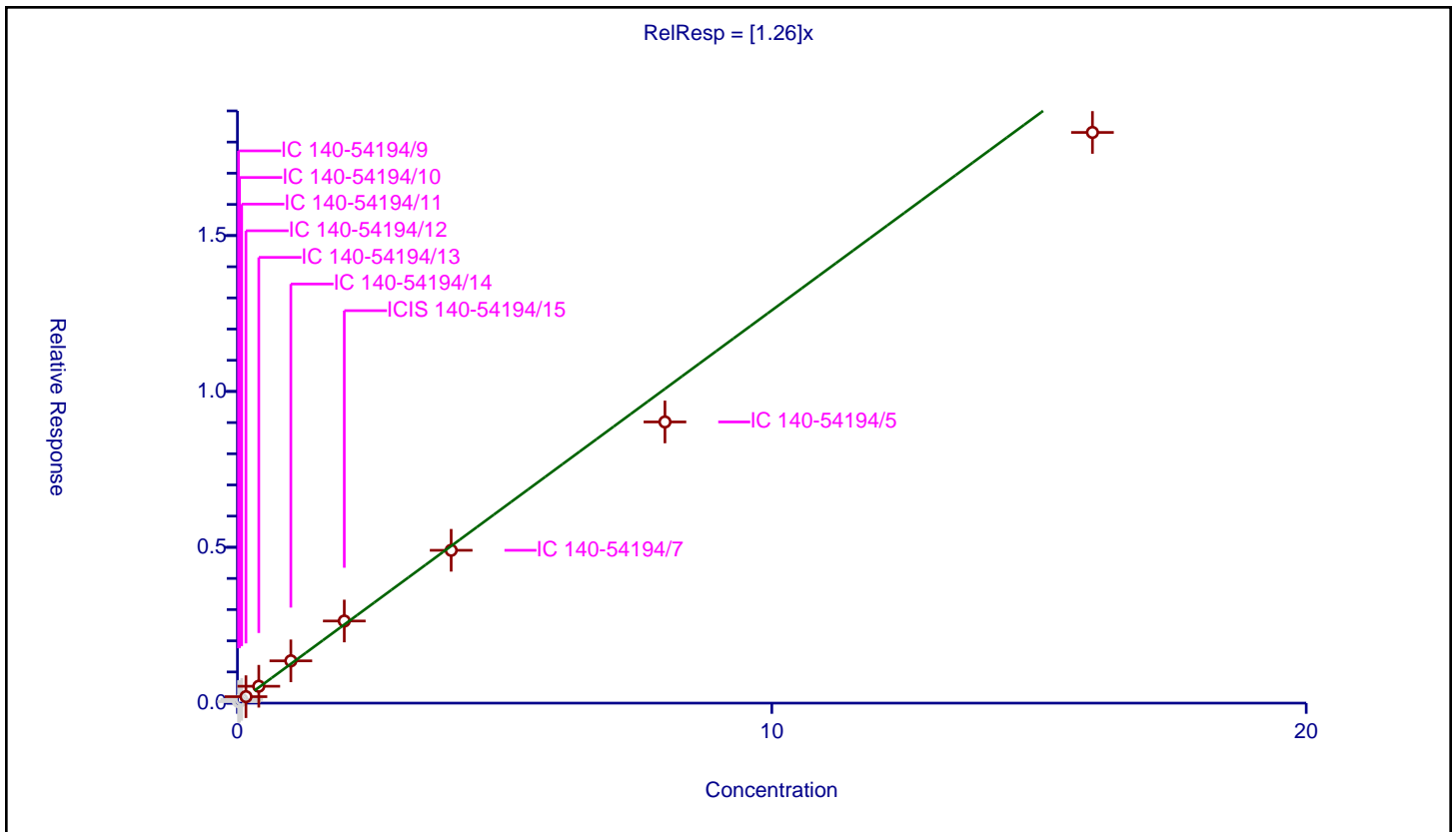
/ Propene

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

Curve Coefficients	
Intercept:	0
Slope:	1.26

Error Coefficients	
Standard Error:	447000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.050726	4.8	246027.0	2.536307	N
2	IC 140-54194/10	0.04	0.058059	4.8	235125.0	1.451483	N
3	IC 140-54194/11	0.08	0.120933	4.8	237514.0	1.511658	N
4	IC 140-54194/12	0.16	0.207307	4.8	232583.0	1.295666	Y
5	IC 140-54194/13	0.4	0.541624	4.8	227272.0	1.35406	Y
6	IC 140-54194/14	1.0	1.356765	4.8	219738.0	1.356765	Y
7	ICIS 140-54194/15	2.0	2.634757	4.8	221294.0	1.317379	Y
8	IC 140-54194/7	4.0	4.903088	4.8	240493.0	1.225772	Y
9	IC 140-54194/5	8.0	9.021071	4.8	261346.0	1.127634	Y
10	IC 140-54194/3	16.0	18.308763	4.8	245505.0	1.144298	Y



Calibration

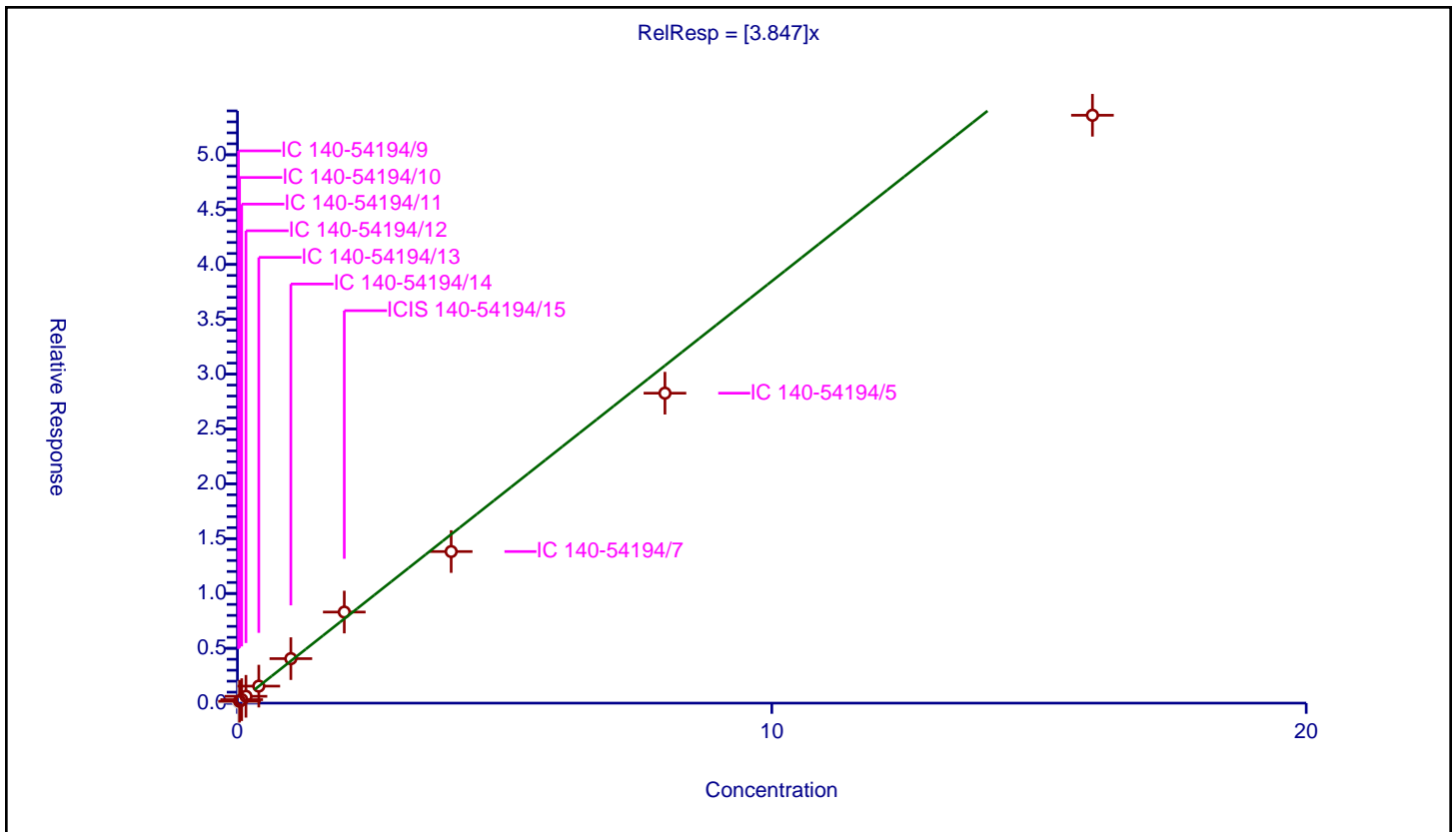
/ Dichlorodifluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	3.847

Error Coefficients	
Standard Error:	1150000
Relative Standard Error:	8.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.089239	4.8	246027.0	4.461949	N
2	IC 140-54194/10	0.04	0.173035	4.8	235125.0	4.325869	Y
3	IC 140-54194/11	0.08	0.317873	4.8	237514.0	3.973408	Y
4	IC 140-54194/12	0.16	0.624066	4.8	232583.0	3.900414	Y
5	IC 140-54194/13	0.4	1.551438	4.8	227272.0	3.878595	Y
6	IC 140-54194/14	1.0	4.056292	4.8	219738.0	4.056292	Y
7	ICIS 140-54194/15	2.0	8.303856	4.8	221294.0	4.151928	Y
8	IC 140-54194/7	4.0	13.822526	4.8	240493.0	3.455632	Y
9	IC 140-54194/5	8.0	28.259989	4.8	261346.0	3.532499	Y
10	IC 140-54194/3	16.0	53.601242	4.8	245505.0	3.350078	Y



Calibration

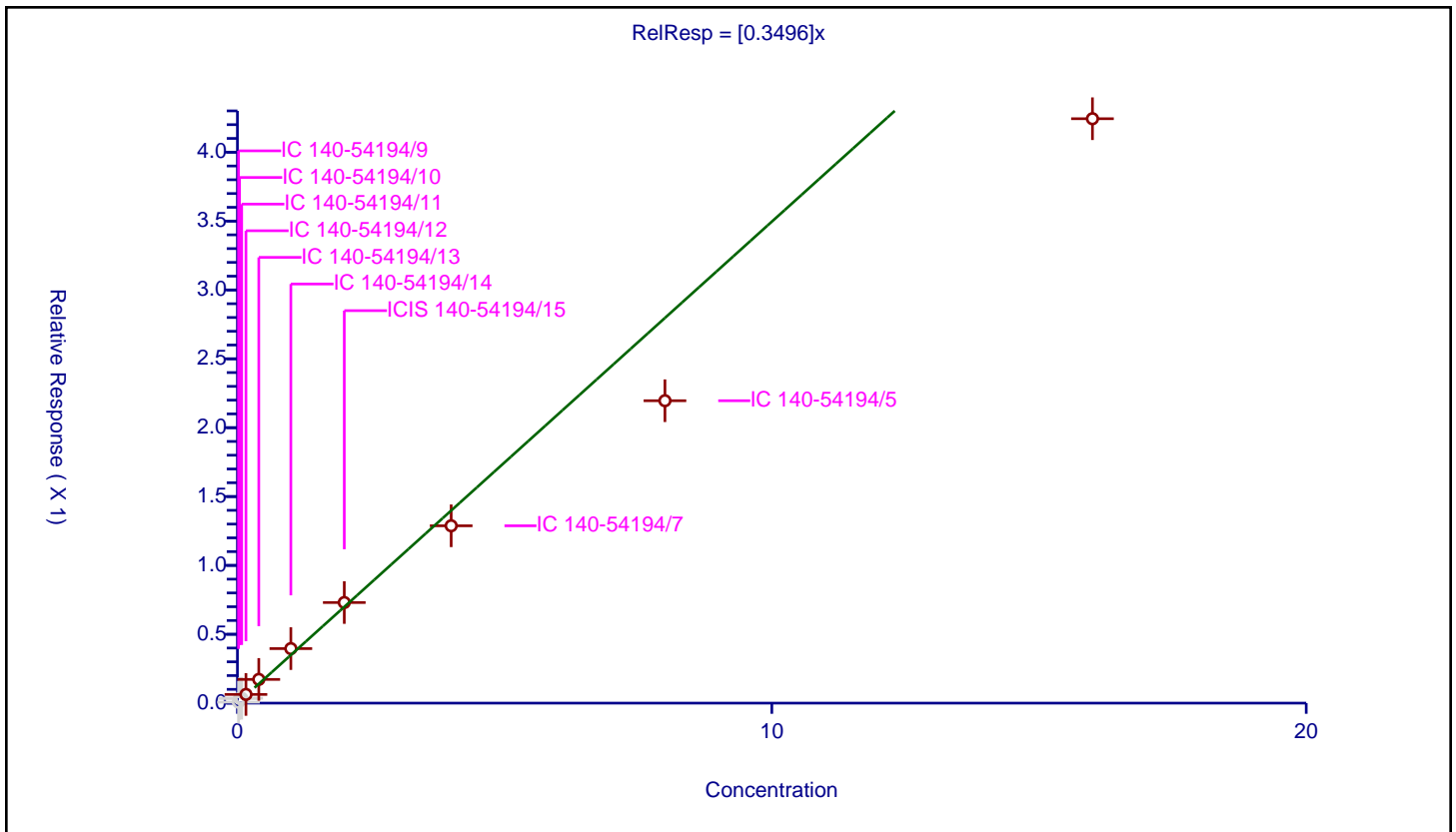
/ Chloromethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3496

Error Coefficients	
Standard Error:	106000
Relative Standard Error:	18.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.007121	4.8	246027.0	0.356058	N
2	IC 140-54194/10	0.04	0.034093	4.8	235125.0	0.852313	N
3	IC 140-54194/11	0.08	0.035528	4.8	237514.0	0.4441	N
4	IC 140-54194/12	0.16	0.063048	4.8	232583.0	0.394053	Y
5	IC 140-54194/13	0.4	0.17215	4.8	227272.0	0.430374	Y
6	IC 140-54194/14	1.0	0.395839	4.8	219738.0	0.395839	Y
7	ICIS 140-54194/15	2.0	0.730518	4.8	221294.0	0.365259	Y
8	IC 140-54194/7	4.0	1.287675	4.8	240493.0	0.321919	Y
9	IC 140-54194/5	8.0	2.195618	4.8	261346.0	0.274452	Y
10	IC 140-54194/3	16.0	4.243133	4.8	245505.0	0.265196	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

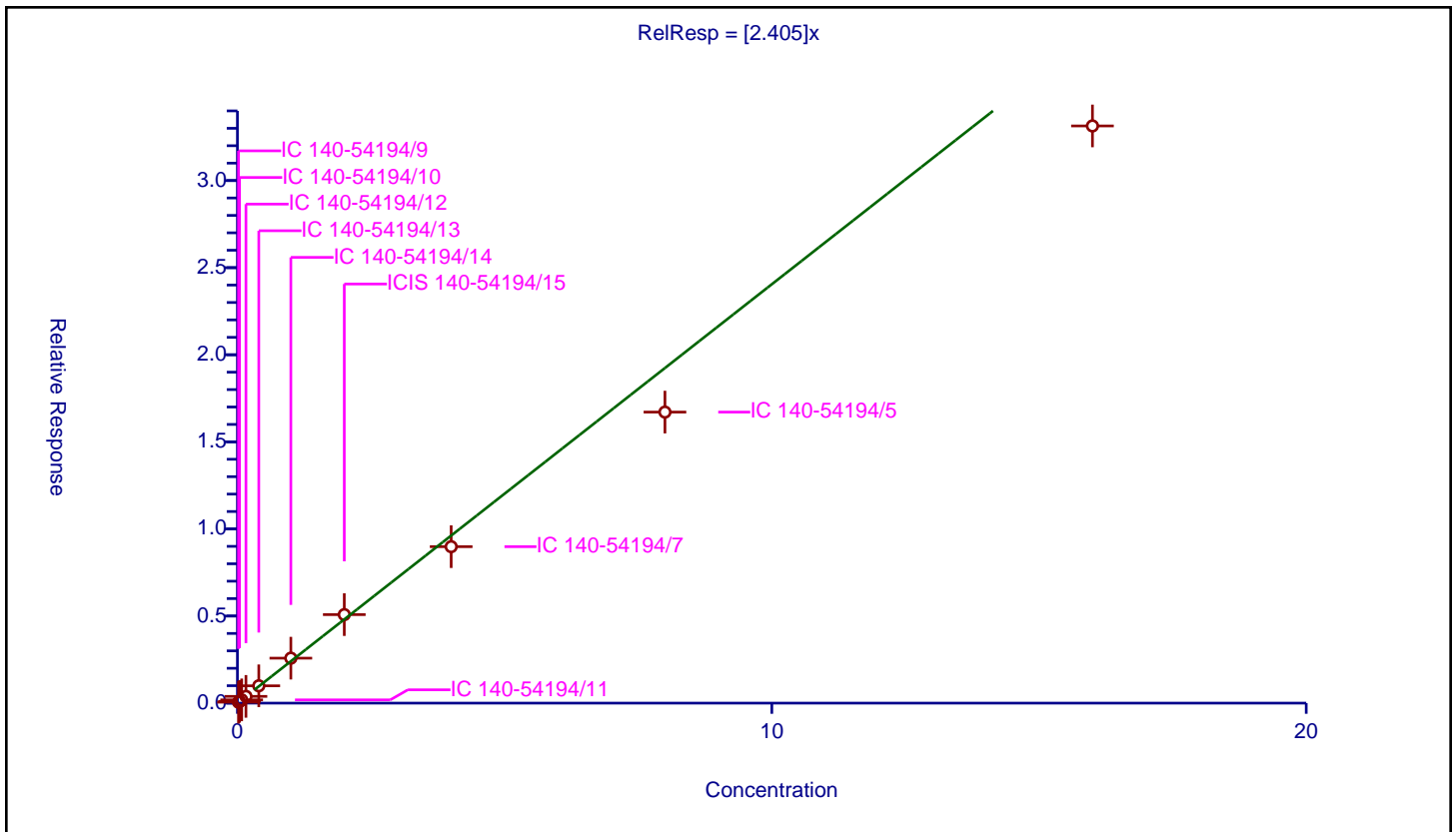
Curve Coefficients

Intercept: 0
 Slope: 2.405

Error Coefficients

Standard Error: 664000
 Relative Standard Error: 9.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.054823	4.8	246027.0	2.741163	Y
2	IC 140-54194/10	0.04	0.101236	4.8	235125.0	2.530909	Y
3	IC 140-54194/11	0.08	0.18726	4.8	237514.0	2.340746	Y
4	IC 140-54194/12	0.16	0.387186	4.8	232583.0	2.41991	Y
5	IC 140-54194/13	0.4	0.99484	4.8	227272.0	2.487099	Y
6	IC 140-54194/14	1.0	2.581088	4.8	219738.0	2.581088	Y
7	ICIS 140-54194/15	2.0	5.081956	4.8	221294.0	2.540978	Y
8	IC 140-54194/7	4.0	8.982608	4.8	240493.0	2.245652	Y
9	IC 140-54194/5	8.0	16.707929	4.8	261346.0	2.088491	Y
10	IC 140-54194/3	16.0	33.135866	4.8	245505.0	2.070992	Y



Calibration

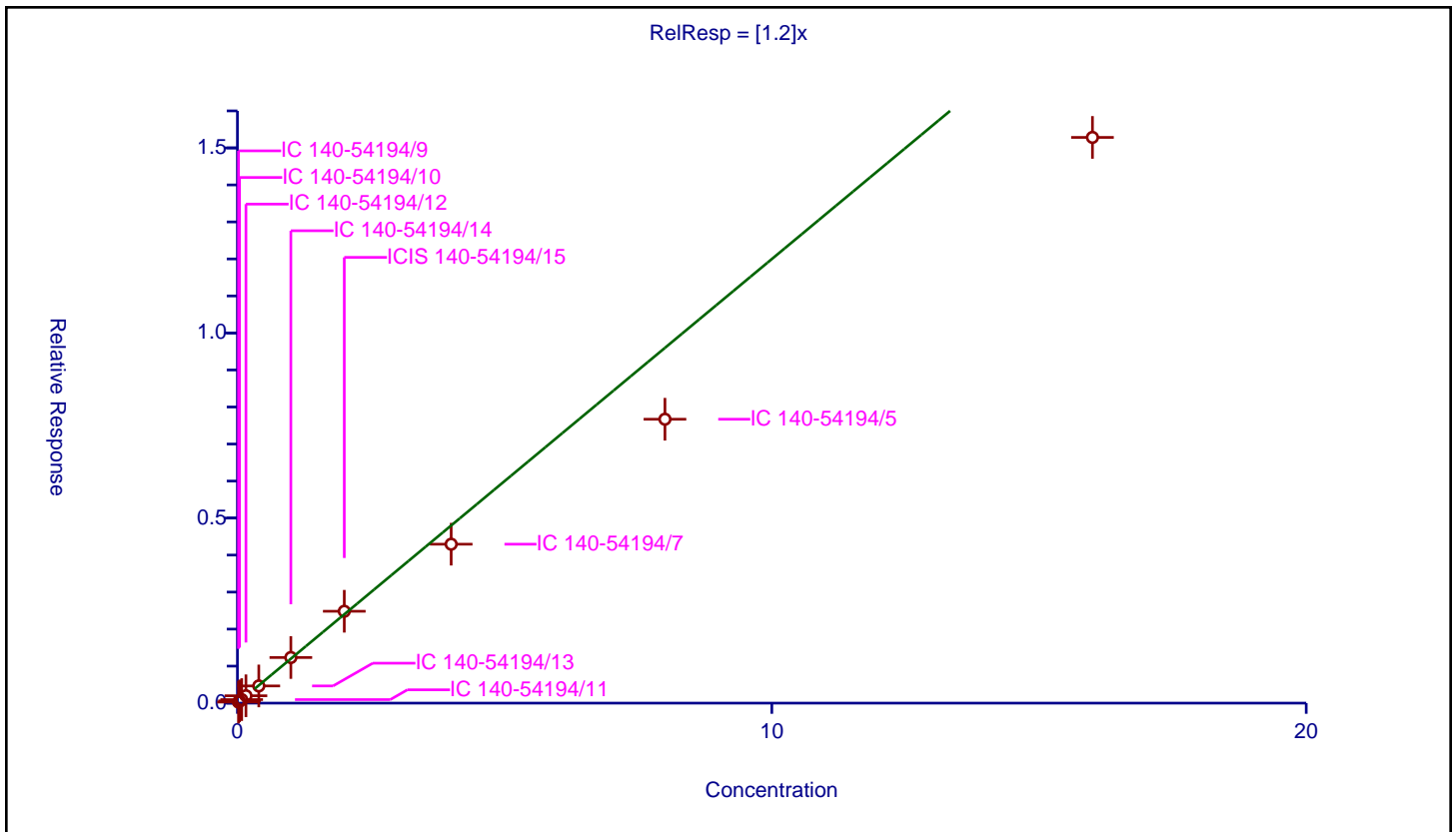
/ Vinyl chloride

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

Curve Coefficients	
Intercept:	0
Slope:	1.2

Error Coefficients	
Standard Error:	307000
Relative Standard Error:	14.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.028387	4.8	246027.0	1.419356	Y
2	IC 140-54194/10	0.04	0.060632	4.8	235125.0	1.515789	Y
3	IC 140-54194/11	0.08	0.09561	4.8	237514.0	1.19513	Y
4	IC 140-54194/12	0.16	0.199217	4.8	232583.0	1.245104	Y
5	IC 140-54194/13	0.4	0.464409	4.8	227272.0	1.161023	Y
6	IC 140-54194/14	1.0	1.232122	4.8	219738.0	1.232122	Y
7	ICIS 140-54194/15	2.0	2.482121	4.8	221294.0	1.24106	Y
8	IC 140-54194/7	4.0	4.294119	4.8	240493.0	1.07353	Y
9	IC 140-54194/5	8.0	7.669814	4.8	261346.0	0.958727	Y
10	IC 140-54194/3	16.0	15.283397	4.8	245505.0	0.955212	Y



Calibration

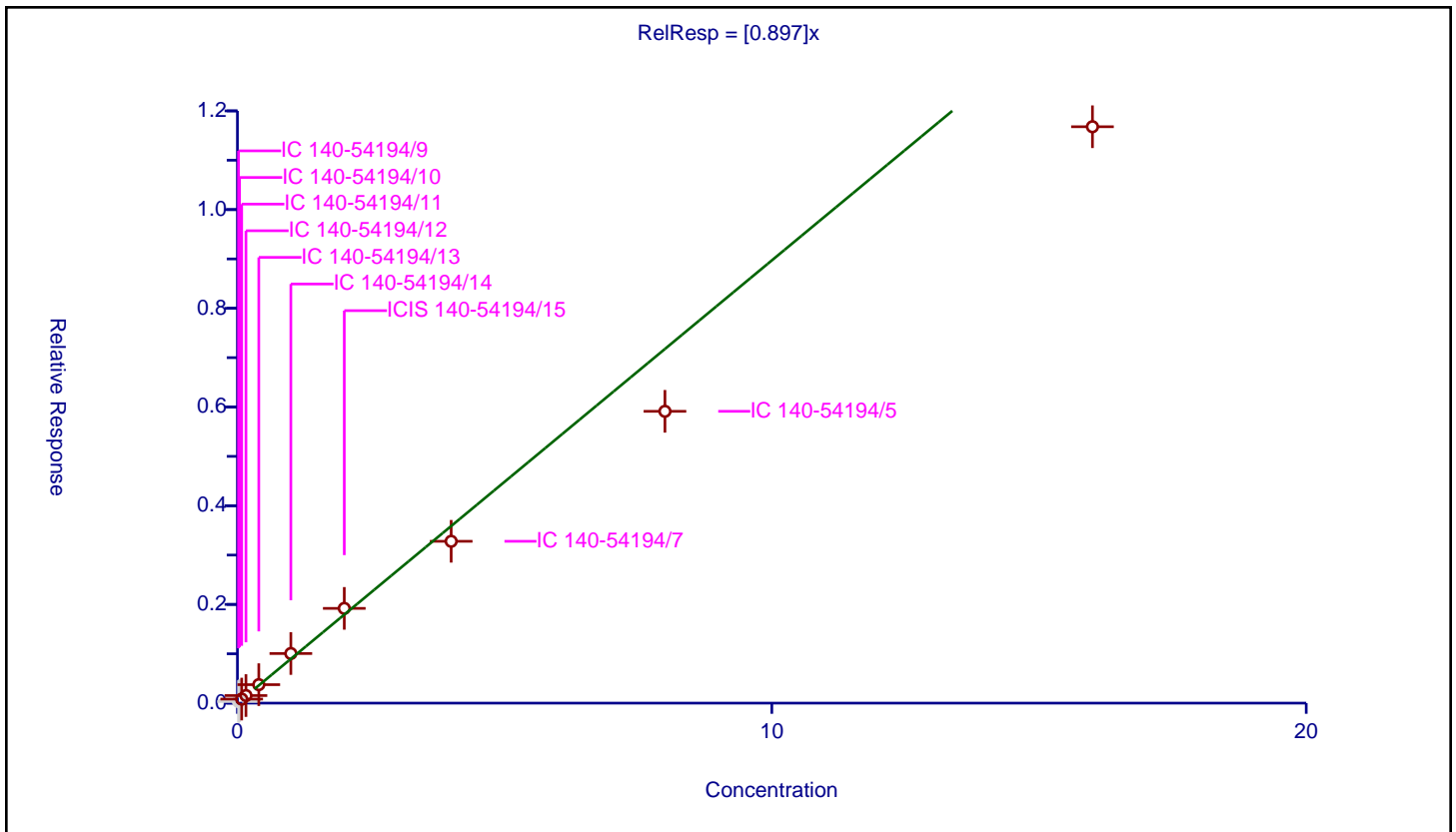
/ Butadiene

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

Curve Coefficients	
Intercept:	0
Slope:	0.897

Error Coefficients	
Standard Error:	267000
Relative Standard Error:	13.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.032328	4.8	246027.0	1.616408	N
2	IC 140-54194/10	0.04	0.051506	4.8	235125.0	1.287656	N
3	IC 140-54194/11	0.08	0.082252	4.8	237514.0	1.02815	Y
4	IC 140-54194/12	0.16	0.15338	4.8	232583.0	0.958626	Y
5	IC 140-54194/13	0.4	0.374269	4.8	227272.0	0.935672	Y
6	IC 140-54194/14	1.0	1.005008	4.8	219738.0	1.005008	Y
7	ICIS 140-54194/15	2.0	1.919879	4.8	221294.0	0.959939	Y
8	IC 140-54194/7	4.0	3.279164	4.8	240493.0	0.819791	Y
9	IC 140-54194/5	8.0	5.91264	4.8	261346.0	0.73908	Y
10	IC 140-54194/3	16.0	11.678954	4.8	245505.0	0.729935	Y



Calibration

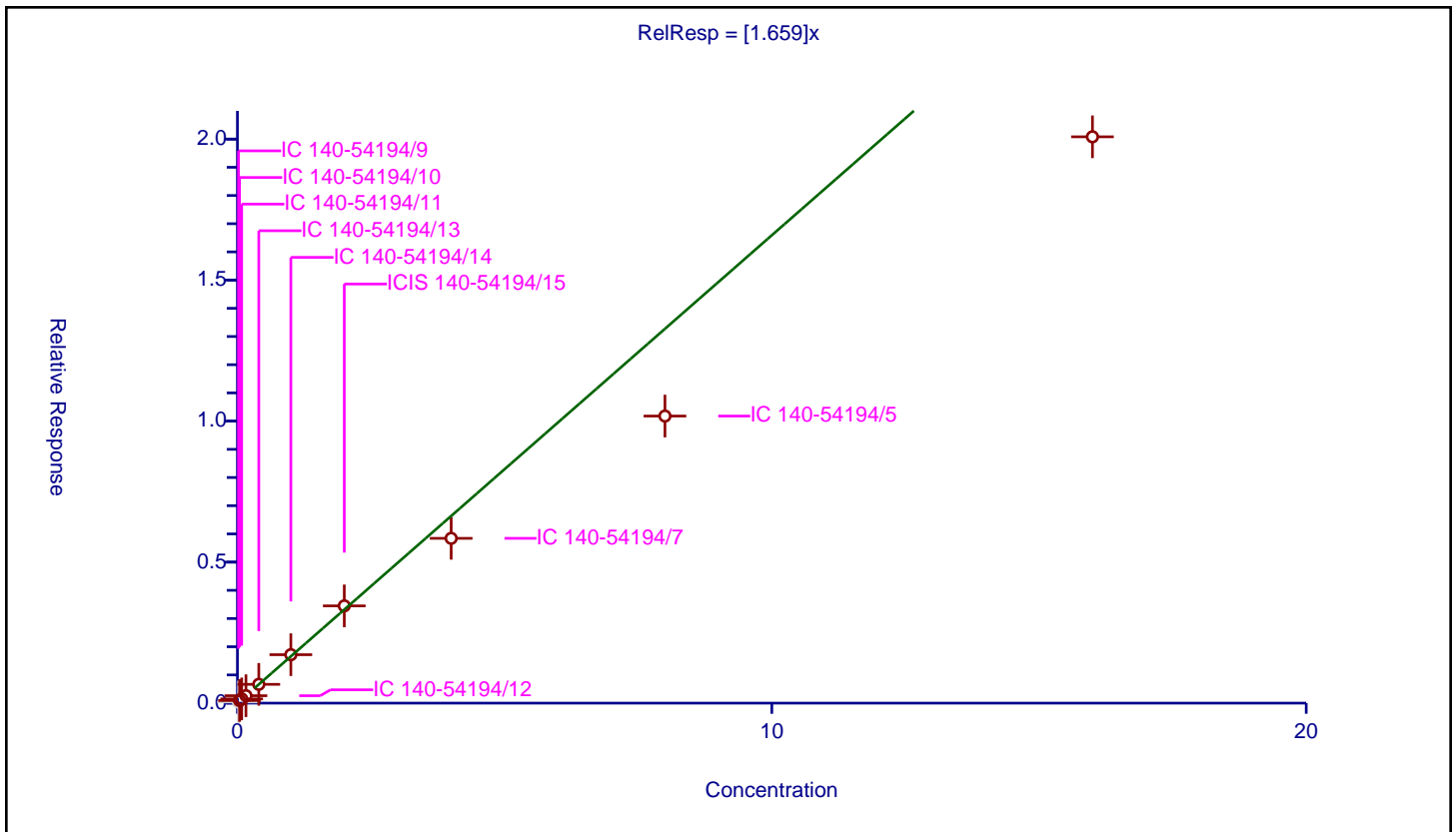
/ Butane

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

Curve Coefficients	
Intercept:	0
Slope:	1.659

Error Coefficients	
Standard Error:	430000
Relative Standard Error:	19.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.939

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.040932	4.8	246027.0	2.046605	N
2	IC 140-54194/10	0.04	0.092846	4.8	235125.0	2.321148	Y
3	IC 140-54194/11	0.08	0.149428	4.8	237514.0	1.867848	Y
4	IC 140-54194/12	0.16	0.263256	4.8	232583.0	1.645348	Y
5	IC 140-54194/13	0.4	0.666592	4.8	227272.0	1.666479	Y
6	IC 140-54194/14	1.0	1.717544	4.8	219738.0	1.717544	Y
7	ICIS 140-54194/15	2.0	3.44861	4.8	221294.0	1.724305	Y
8	IC 140-54194/7	4.0	5.843057	4.8	240493.0	1.460764	Y
9	IC 140-54194/5	8.0	10.17959	4.8	261346.0	1.272449	Y
10	IC 140-54194/3	16.0	20.080777	4.8	245505.0	1.255049	Y



Calibration

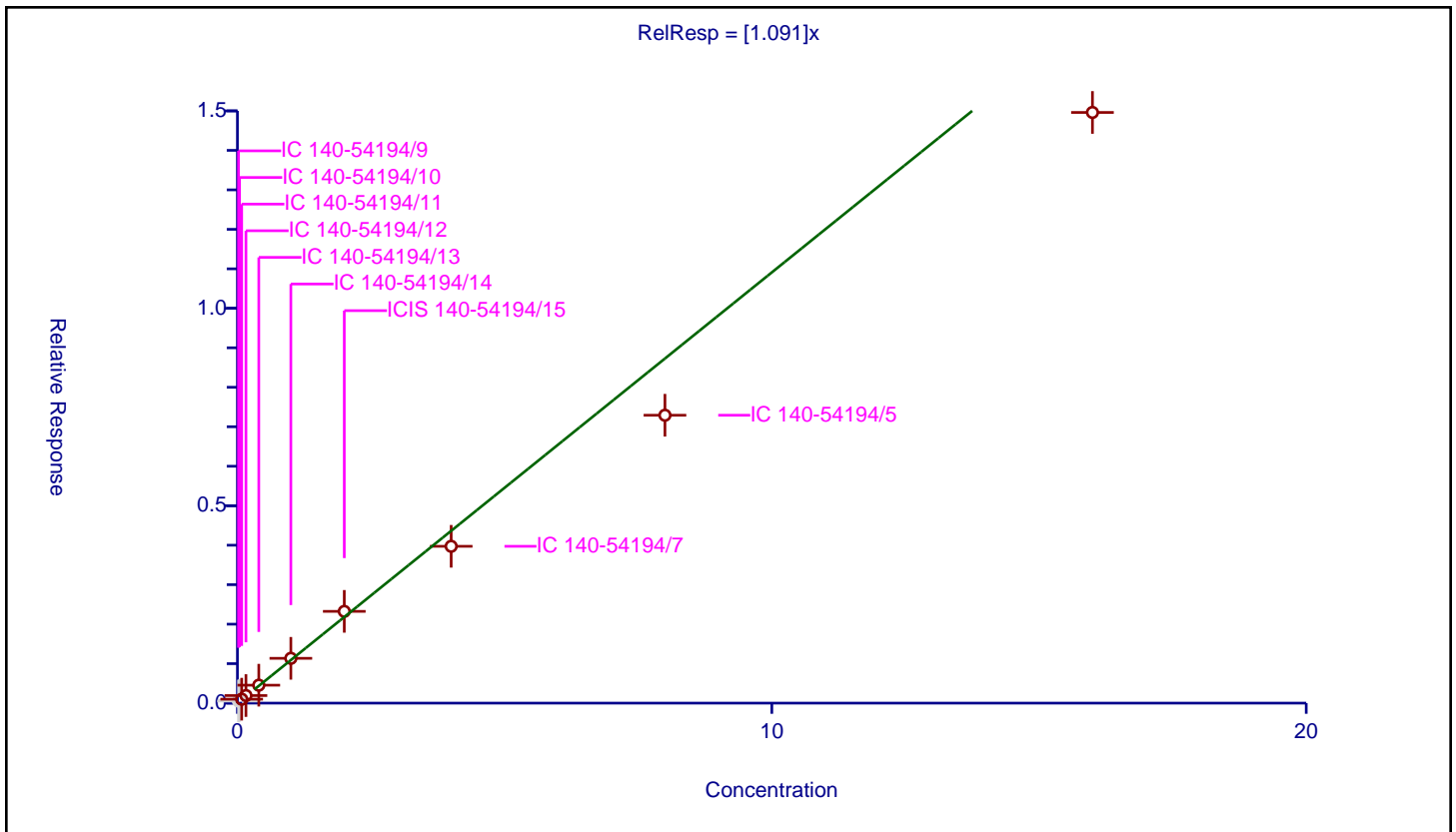
/ Bromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	1.091

Error Coefficients	
Standard Error:	338000
Relative Standard Error:	11.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.052833	4.8	246027.0	2.641661	N
2	IC 140-54194/10	0.04	0.069777	4.8	235125.0	1.744434	N
3	IC 140-54194/11	0.08	0.10038	4.8	237514.0	1.254747	Y
4	IC 140-54194/12	0.16	0.192055	4.8	232583.0	1.200346	Y
5	IC 140-54194/13	0.4	0.454377	4.8	227272.0	1.135943	Y
6	IC 140-54194/14	1.0	1.134675	4.8	219738.0	1.134675	Y
7	ICIS 140-54194/15	2.0	2.324191	4.8	221294.0	1.162096	Y
8	IC 140-54194/7	4.0	3.97218	4.8	240493.0	0.993045	Y
9	IC 140-54194/5	8.0	7.291667	4.8	261346.0	0.911458	Y
10	IC 140-54194/3	16.0	14.960367	4.8	245505.0	0.935023	Y



Calibration

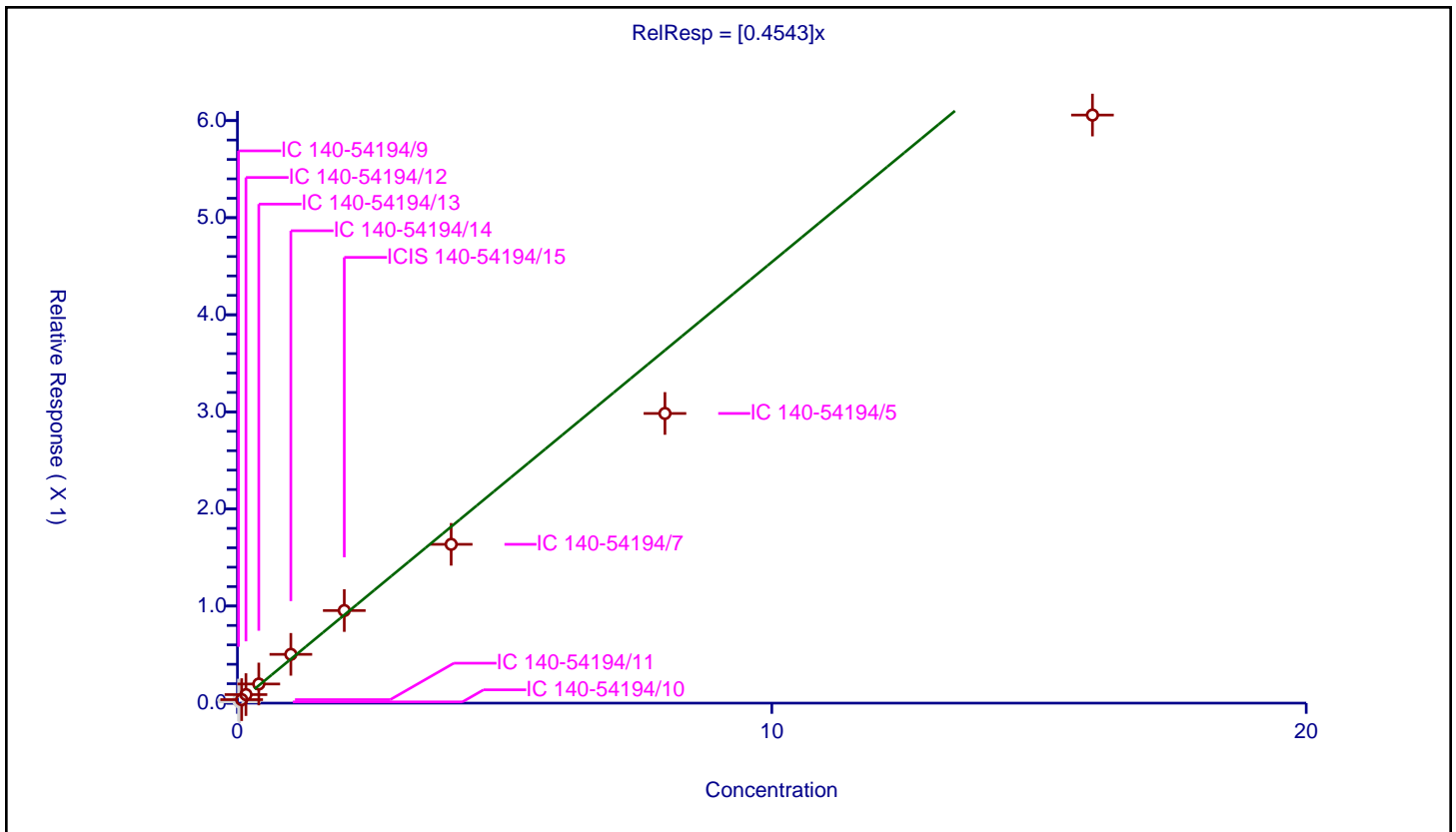
/ Chloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4543

Error Coefficients	
Standard Error:	137000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.031743	4.8	246027.0	1.587143	N
2	IC 140-54194/10	0.04	0.012718	4.8	235125.0	0.317959	N
3	IC 140-54194/11	0.08	0.036155	4.8	237514.0	0.451931	Y
4	IC 140-54194/12	0.16	0.08802	4.8	232583.0	0.550126	Y
5	IC 140-54194/13	0.4	0.19705	4.8	227272.0	0.492626	Y
6	IC 140-54194/14	1.0	0.502373	4.8	219738.0	0.502373	Y
7	ICIS 140-54194/15	2.0	0.953692	4.8	221294.0	0.476846	Y
8	IC 140-54194/7	4.0	1.63558	4.8	240493.0	0.408895	Y
9	IC 140-54194/5	8.0	2.983576	4.8	261346.0	0.372947	Y
10	IC 140-54194/3	16.0	6.057164	4.8	245505.0	0.378573	Y



Calibration

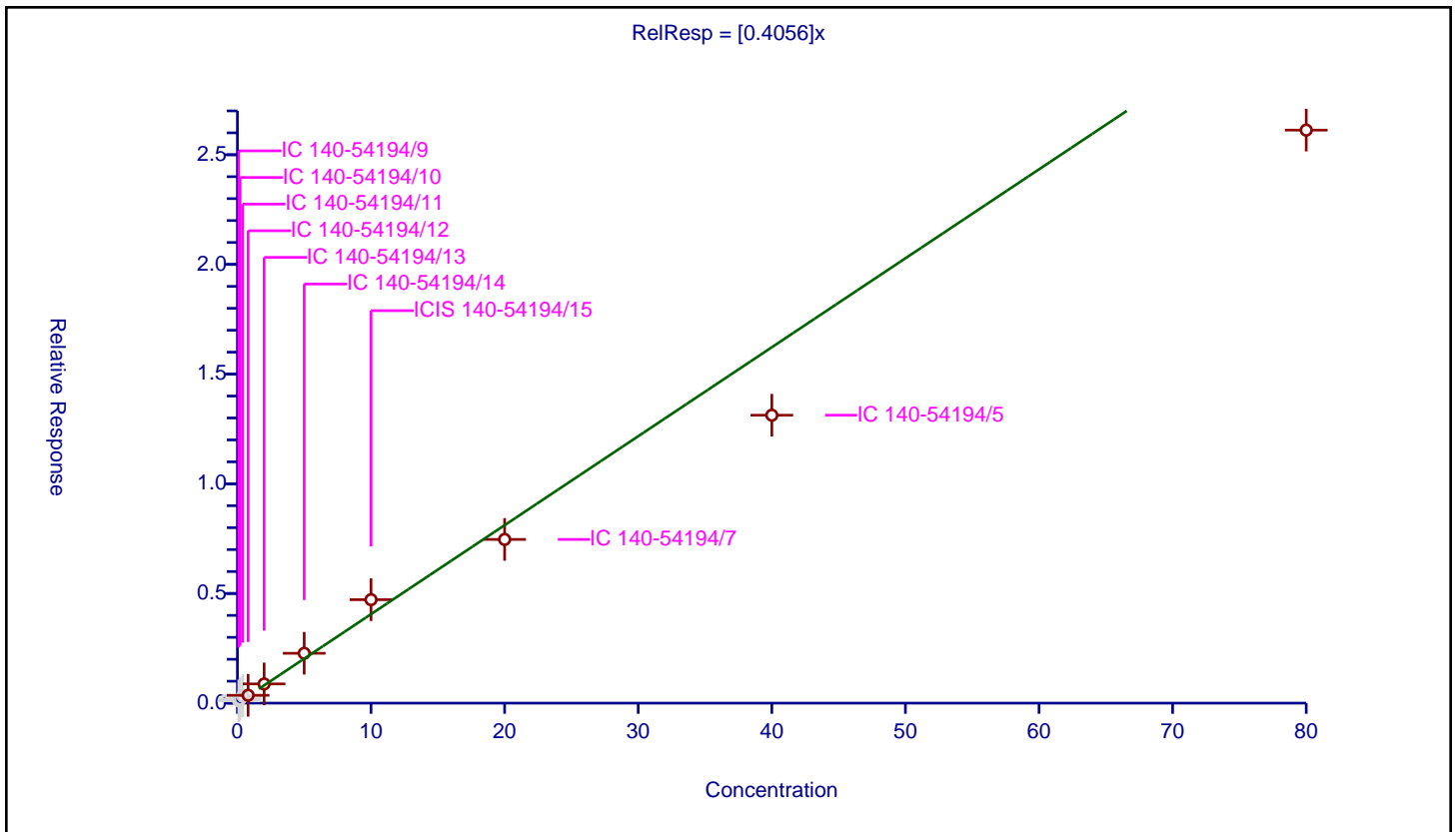
/ Ethanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.4056

Error Coefficients	
Standard Error:	645000
Relative Standard Error:	15.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.1	0.104359	4.8	246027.0	1.043593	N
2	IC 140-54194/10	0.2	0.18706	4.8	235125.0	0.935298	N
3	IC 140-54194/11	0.4	0.329776	4.8	237514.0	0.82444	N
4	IC 140-54194/12	0.8	0.35788	4.8	232583.0	0.44735	Y
5	IC 140-54194/13	2.0	0.875448	4.8	227272.0	0.437724	Y
6	IC 140-54194/14	5.0	2.272867	4.8	219738.0	0.454573	Y
7	ICIS 140-54194/15	10.0	4.716318	4.8	221294.0	0.471632	Y
8	IC 140-54194/7	20.0	7.46309	4.8	240493.0	0.373154	Y
9	IC 140-54194/5	40.0	13.126066	4.8	261346.0	0.328152	Y
10	IC 140-54194/3	80.0	26.122808	4.8	245505.0	0.326535	Y



Calibration

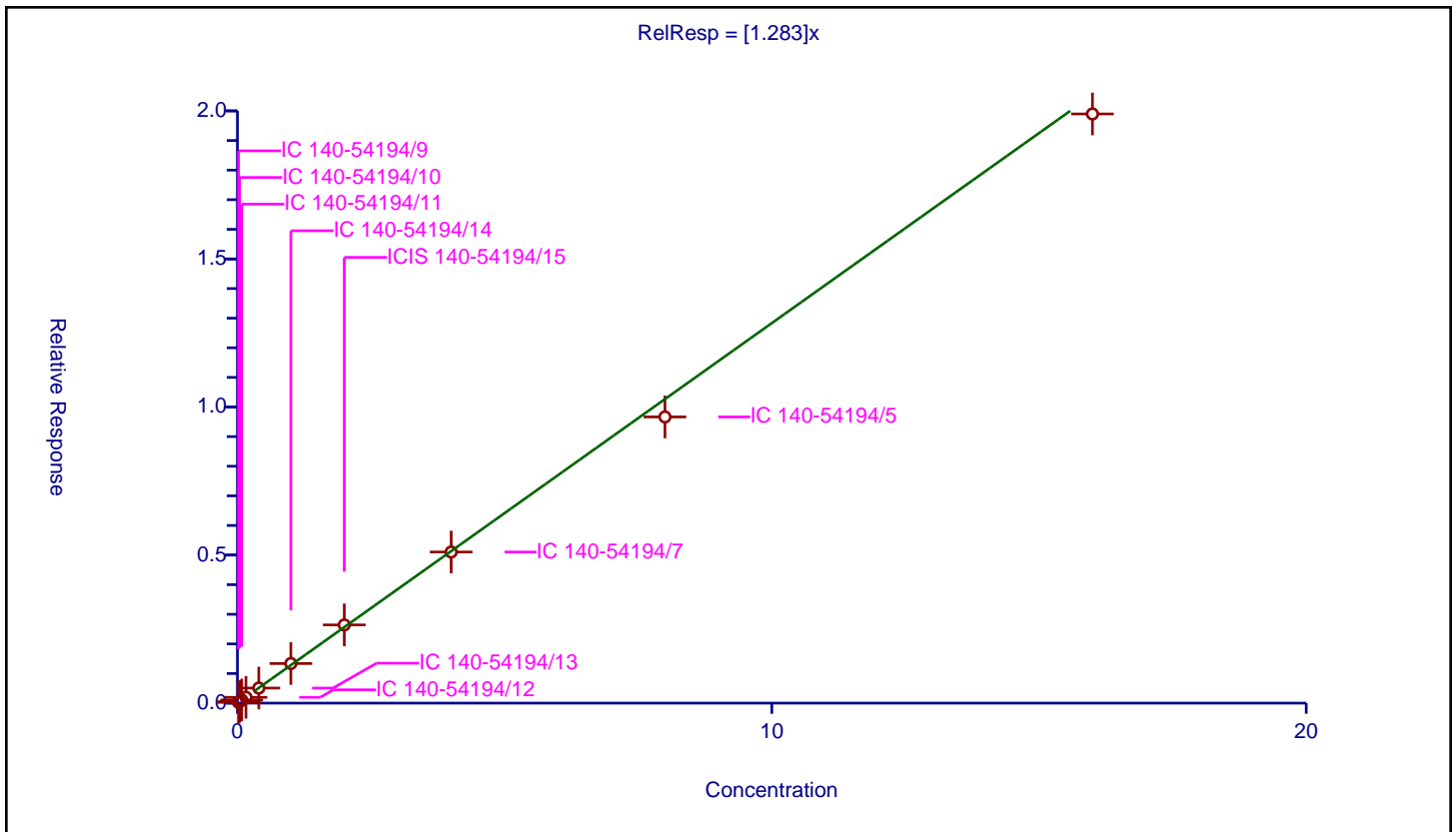
/ Vinyl bromide

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

Curve Coefficients	
Intercept:	0
Slope:	1.283

Error Coefficients	
Standard Error:	394000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.026495	4.8	246027.0	1.324733	Y
2	IC 140-54194/10	0.04	0.052343	4.8	235125.0	1.308581	Y
3	IC 140-54194/11	0.08	0.105816	4.8	237514.0	1.322701	Y
4	IC 140-54194/12	0.16	0.195275	4.8	232583.0	1.220468	Y
5	IC 140-54194/13	0.4	0.508656	4.8	227272.0	1.271639	Y
6	IC 140-54194/14	1.0	1.336843	4.8	219738.0	1.336843	Y
7	ICIS 140-54194/15	2.0	2.640831	4.8	221294.0	1.320415	Y
8	IC 140-54194/7	4.0	5.103277	4.8	240493.0	1.275819	Y
9	IC 140-54194/5	8.0	9.665054	4.8	261346.0	1.208132	Y
10	IC 140-54194/3	16.0	19.896563	4.8	245505.0	1.243535	Y



Calibration

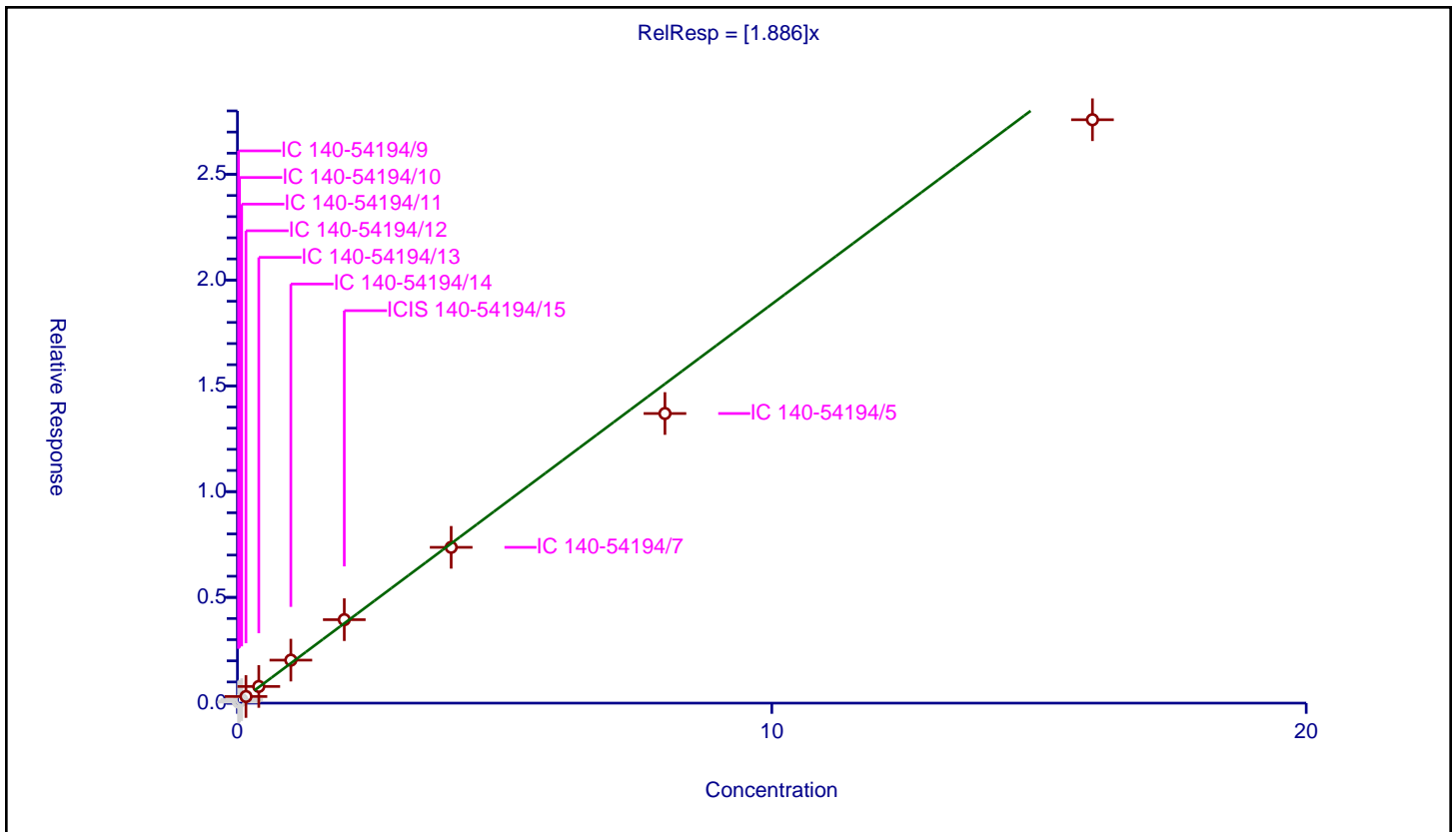
/ 2-Methylbutane

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

Curve Coefficients	
Intercept:	0
Slope:	1.886

Error Coefficients	
Standard Error:	674000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.050765	4.8	246027.0	2.538258	N
2	IC 140-54194/10	0.04	0.095684	4.8	235125.0	2.392089	N
3	IC 140-54194/11	0.08	0.167172	4.8	237514.0	2.089645	N
4	IC 140-54194/12	0.16	0.312786	4.8	232583.0	1.954915	Y
5	IC 140-54194/13	0.4	0.787314	4.8	227272.0	1.968285	Y
6	IC 140-54194/14	1.0	2.032559	4.8	219738.0	2.032559	Y
7	ICIS 140-54194/15	2.0	3.94526	4.8	221294.0	1.97263	Y
8	IC 140-54194/7	4.0	7.365949	4.8	240493.0	1.841487	Y
9	IC 140-54194/5	8.0	13.692891	4.8	261346.0	1.711611	Y
10	IC 140-54194/3	16.0	27.582017	4.8	245505.0	1.723876	Y



Calibration

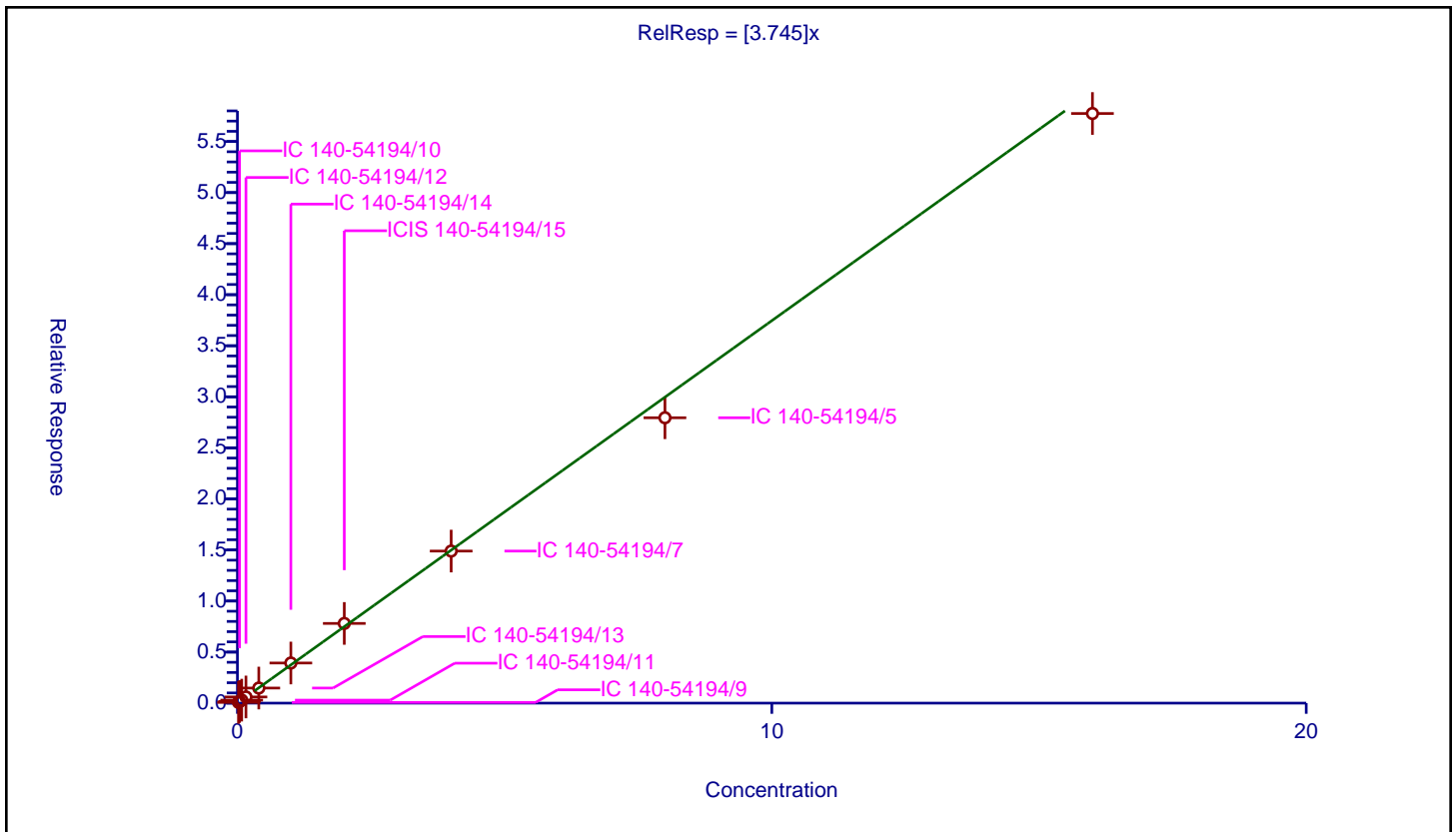
/ Trichlorofluoromethane

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

Curve Coefficients	
Intercept:	0
Slope:	3.745

Error Coefficients	
Standard Error:	1140000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.072714	4.8	246027.0	3.635699	Y
2	IC 140-54194/10	0.04	0.161011	4.8	235125.0	4.025263	Y
3	IC 140-54194/11	0.08	0.293864	4.8	237514.0	3.673299	Y
4	IC 140-54194/12	0.16	0.602665	4.8	232583.0	3.766655	Y
5	IC 140-54194/13	0.4	1.478172	4.8	227272.0	3.695431	Y
6	IC 140-54194/14	1.0	3.930011	4.8	219738.0	3.930011	Y
7	ICIS 140-54194/15	2.0	7.806534	4.8	221294.0	3.903267	Y
8	IC 140-54194/7	4.0	14.892129	4.8	240493.0	3.723032	Y
9	IC 140-54194/5	8.0	27.946088	4.8	261346.0	3.493261	Y
10	IC 140-54194/3	16.0	57.743176	4.8	245505.0	3.608948	Y



Calibration

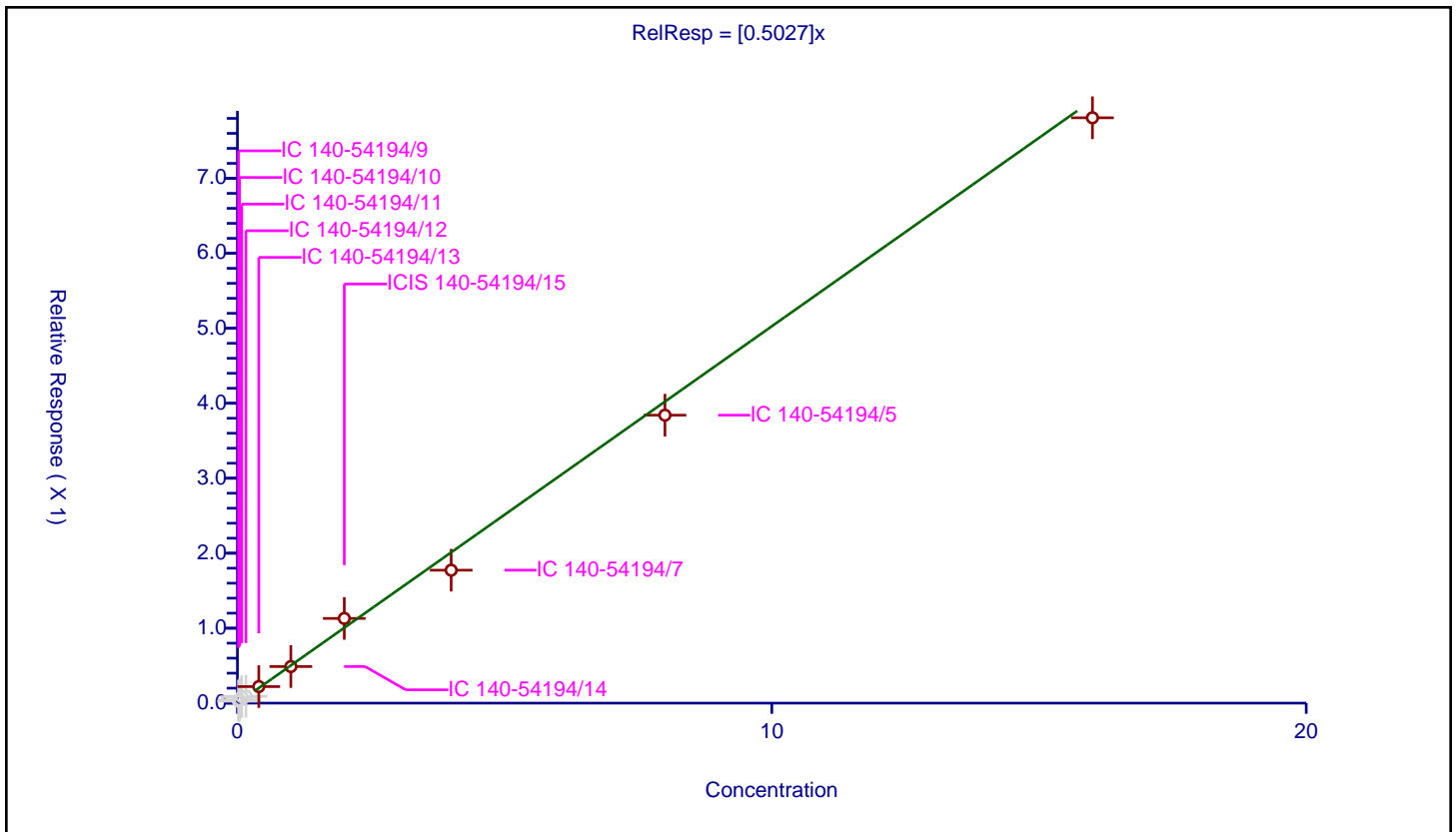
/ Acrolein

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

Curve Coefficients	
Intercept:	0
Slope:	0.5027

Error Coefficients	
Standard Error:	207000
Relative Standard Error:	9.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.026026	4.8	246027.0	1.301321	N
2	IC 140-54194/10	0.04	0.044708	4.8	235125.0	1.117703	N
3	IC 140-54194/11	0.08	0.085283	4.8	237514.0	1.066042	N
4	IC 140-54194/12	0.16	0.091487	4.8	232583.0	0.571796	N
5	IC 140-54194/13	0.4	0.220789	4.8	227272.0	0.551973	Y
6	IC 140-54194/14	1.0	0.487868	4.8	219738.0	0.487868	Y
7	ICIS 140-54194/15	2.0	1.129798	4.8	221294.0	0.564899	Y
8	IC 140-54194/7	4.0	1.773218	4.8	240493.0	0.443304	Y
9	IC 140-54194/5	8.0	3.840922	4.8	261346.0	0.480115	Y
10	IC 140-54194/3	16.0	7.808004	4.8	245505.0	0.488	Y



Calibration

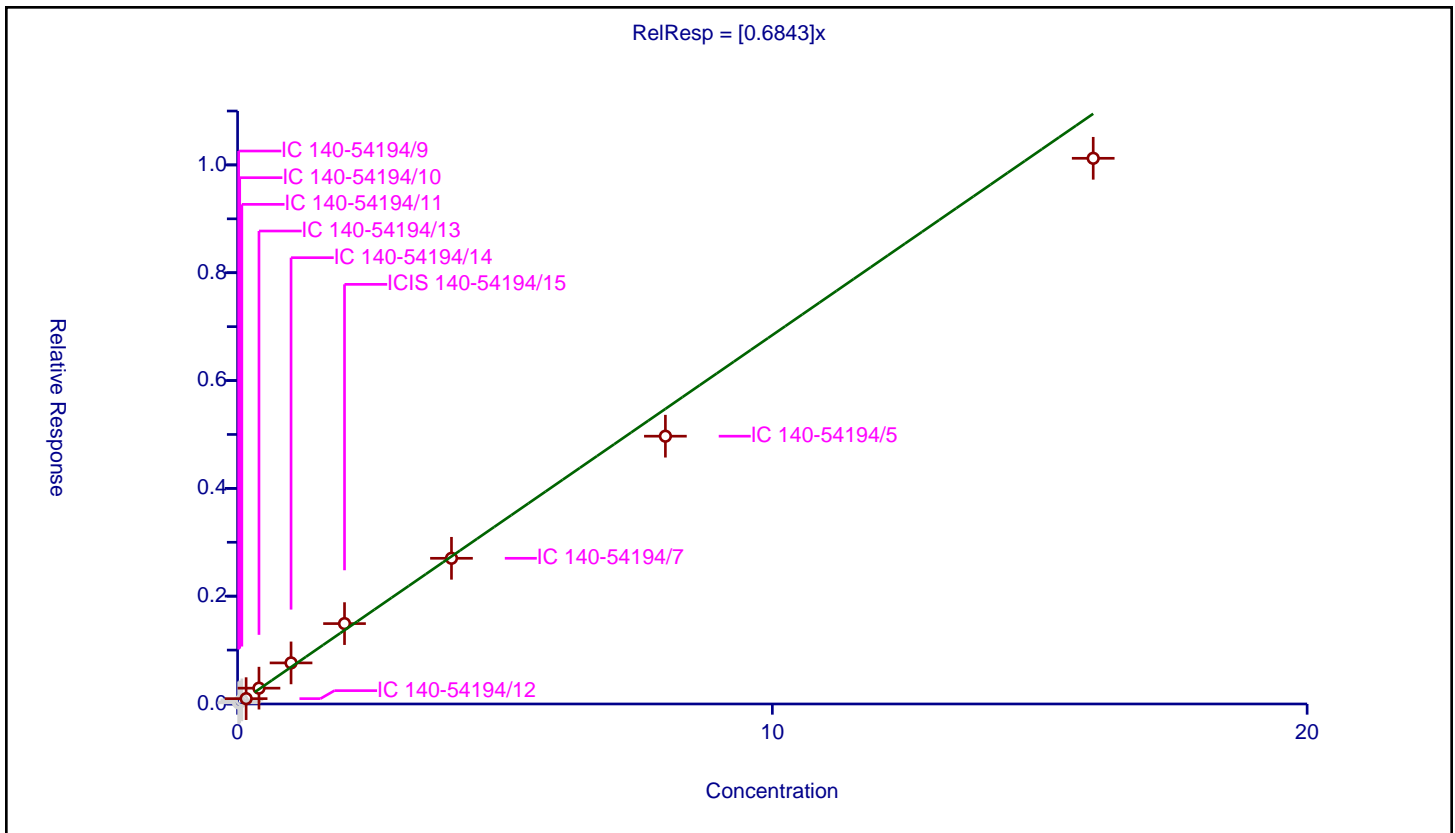
/ Acetonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	0.6843

Error Coefficients	
Standard Error:	247000
Relative Standard Error:	9.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.021344	4.8	246027.0	1.0672	N
2	IC 140-54194/10	0.04	0.038175	4.8	235125.0	0.954386	N
3	IC 140-54194/11	0.08	0.07623	4.8	237514.0	0.95287	N
4	IC 140-54194/12	0.16	0.099082	4.8	232583.0	0.619263	Y
5	IC 140-54194/13	0.4	0.293527	4.8	227272.0	0.733817	Y
6	IC 140-54194/14	1.0	0.762253	4.8	219738.0	0.762253	Y
7	ICIS 140-54194/15	2.0	1.491012	4.8	221294.0	0.745506	Y
8	IC 140-54194/7	4.0	2.702908	4.8	240493.0	0.675727	Y
9	IC 140-54194/5	8.0	4.967667	4.8	261346.0	0.620958	Y
10	IC 140-54194/3	16.0	10.122965	4.8	245505.0	0.632685	Y



Calibration

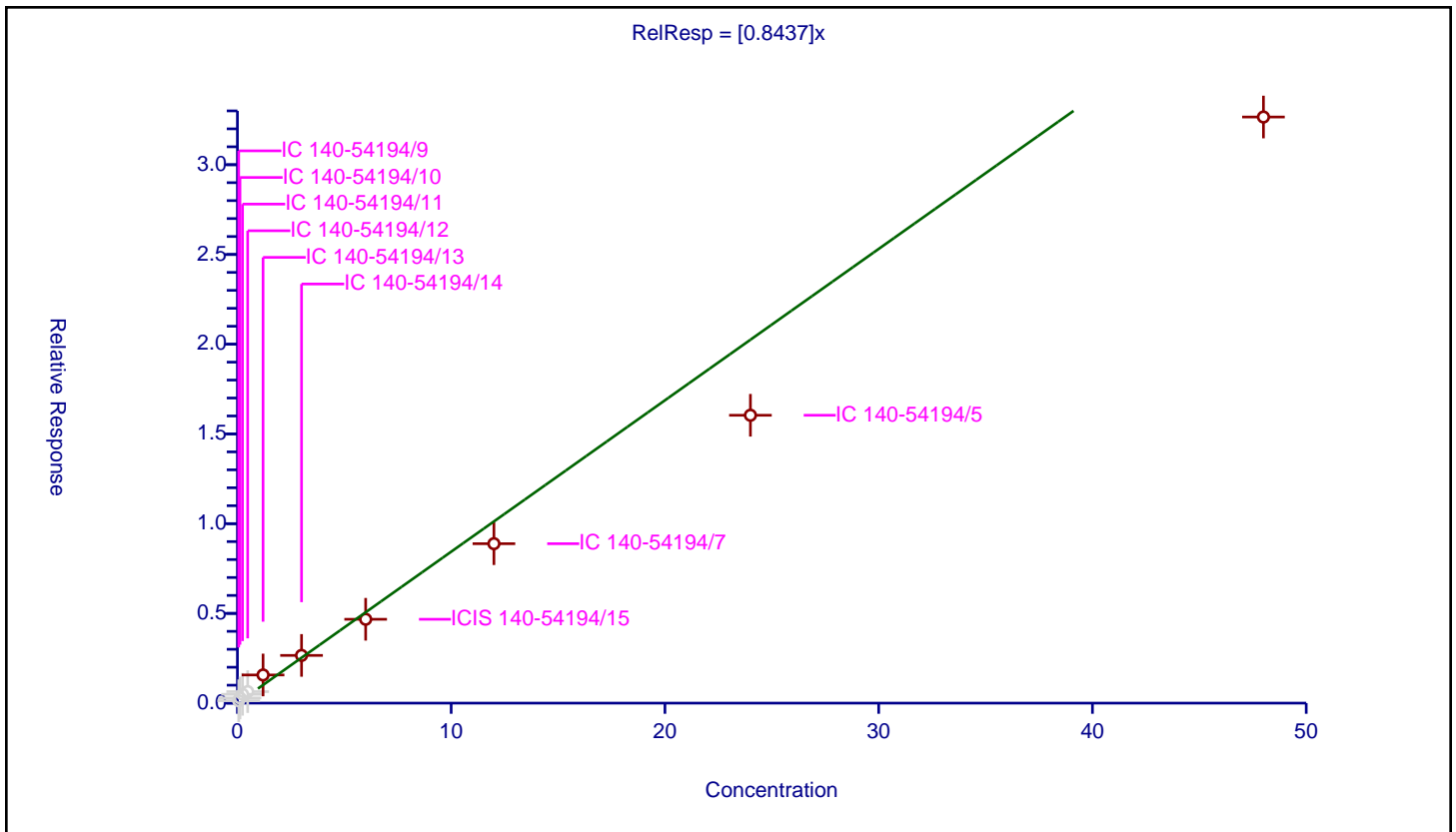
/ Acetone

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

Curve Coefficients	
Intercept:	0
Slope:	0.8437

Error Coefficients	
Standard Error:	874000
Relative Standard Error:	28.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.800

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.06	0.133039	4.8	246027.0	2.217318	N
2	IC 140-54194/10	0.12	0.289296	4.8	235125.0	2.410803	N
3	IC 140-54194/11	0.24	0.492259	4.8	237514.0	2.051079	N
4	IC 140-54194/12	0.48	0.641258	4.8	232583.0	1.335953	N
5	IC 140-54194/13	1.2	1.56939	4.8	227272.0	1.307825	Y
6	IC 140-54194/14	3.0	2.658242	4.8	219738.0	0.886081	Y
7	ICIS 140-54194/15	6.0	4.673045	4.8	221294.0	0.778841	Y
8	IC 140-54194/7	12.0	8.884809	4.8	240493.0	0.740401	Y
9	IC 140-54194/5	24.0	16.040988	4.8	261346.0	0.668374	Y
10	IC 140-54194/3	48.0	32.658242	4.8	245505.0	0.68038	Y



Calibration

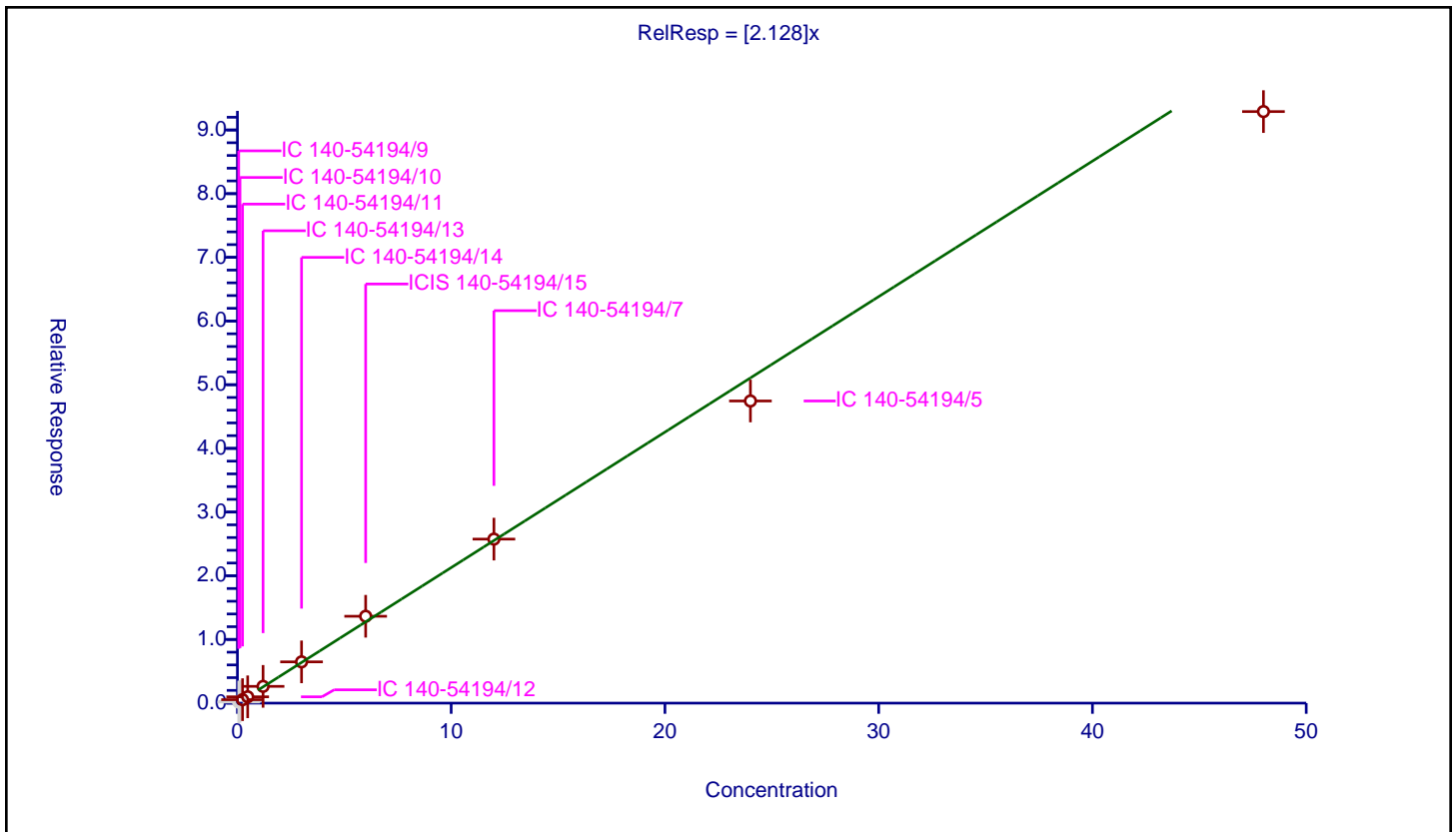
/ Isopropyl alcohol

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

Curve Coefficients	
Intercept:	0
Slope:	2.128

Error Coefficients	
Standard Error:	2120000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.06	0.168021	4.8	246027.0	2.800343	N
2	IC 140-54194/10	0.12	0.277946	4.8	235125.0	2.316215	N
3	IC 140-54194/11	0.24	0.544379	4.8	237514.0	2.268245	Y
4	IC 140-54194/12	0.48	0.993792	4.8	232583.0	2.070401	Y
5	IC 140-54194/13	1.2	2.630842	4.8	227272.0	2.192369	Y
6	IC 140-54194/14	3.0	6.478748	4.8	219738.0	2.159583	Y
7	ICIS 140-54194/15	6.0	13.642391	4.8	221294.0	2.273732	Y
8	IC 140-54194/7	12.0	25.755534	4.8	240493.0	2.146294	Y
9	IC 140-54194/5	24.0	47.445866	4.8	261346.0	1.976911	Y
10	IC 140-54194/3	48.0	92.892088	4.8	245505.0	1.935252	Y



Calibration

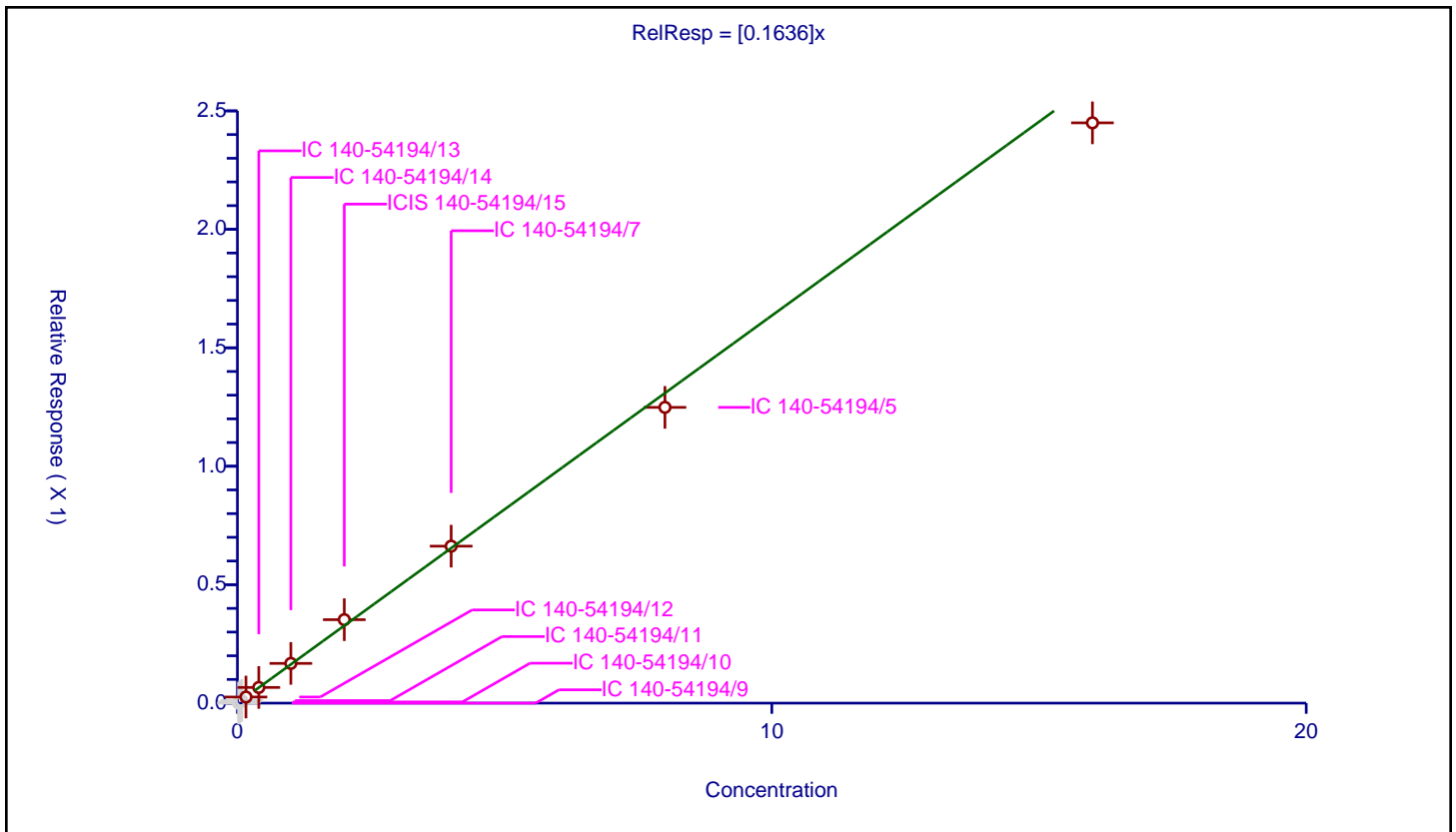
/ Pentane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1636

Error Coefficients	
Standard Error:	60200
Relative Standard Error:	4.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.0	4.8	246027.0	0.0	N
2	IC 140-54194/10	0.04	0.005144	4.8	235125.0	0.128612	N
3	IC 140-54194/11	0.08	0.010691	4.8	237514.0	0.133634	N
4	IC 140-54194/12	0.16	0.025777	4.8	232583.0	0.161104	Y
5	IC 140-54194/13	0.4	0.066169	4.8	227272.0	0.165423	Y
6	IC 140-54194/14	1.0	0.167632	4.8	219738.0	0.167632	Y
7	ICIS 140-54194/15	2.0	0.352342	4.8	221294.0	0.176171	Y
8	IC 140-54194/7	4.0	0.662559	4.8	240493.0	0.16564	Y
9	IC 140-54194/5	8.0	1.248497	4.8	261346.0	0.156062	Y
10	IC 140-54194/3	16.0	2.449475	4.8	245505.0	0.153092	Y



Calibration

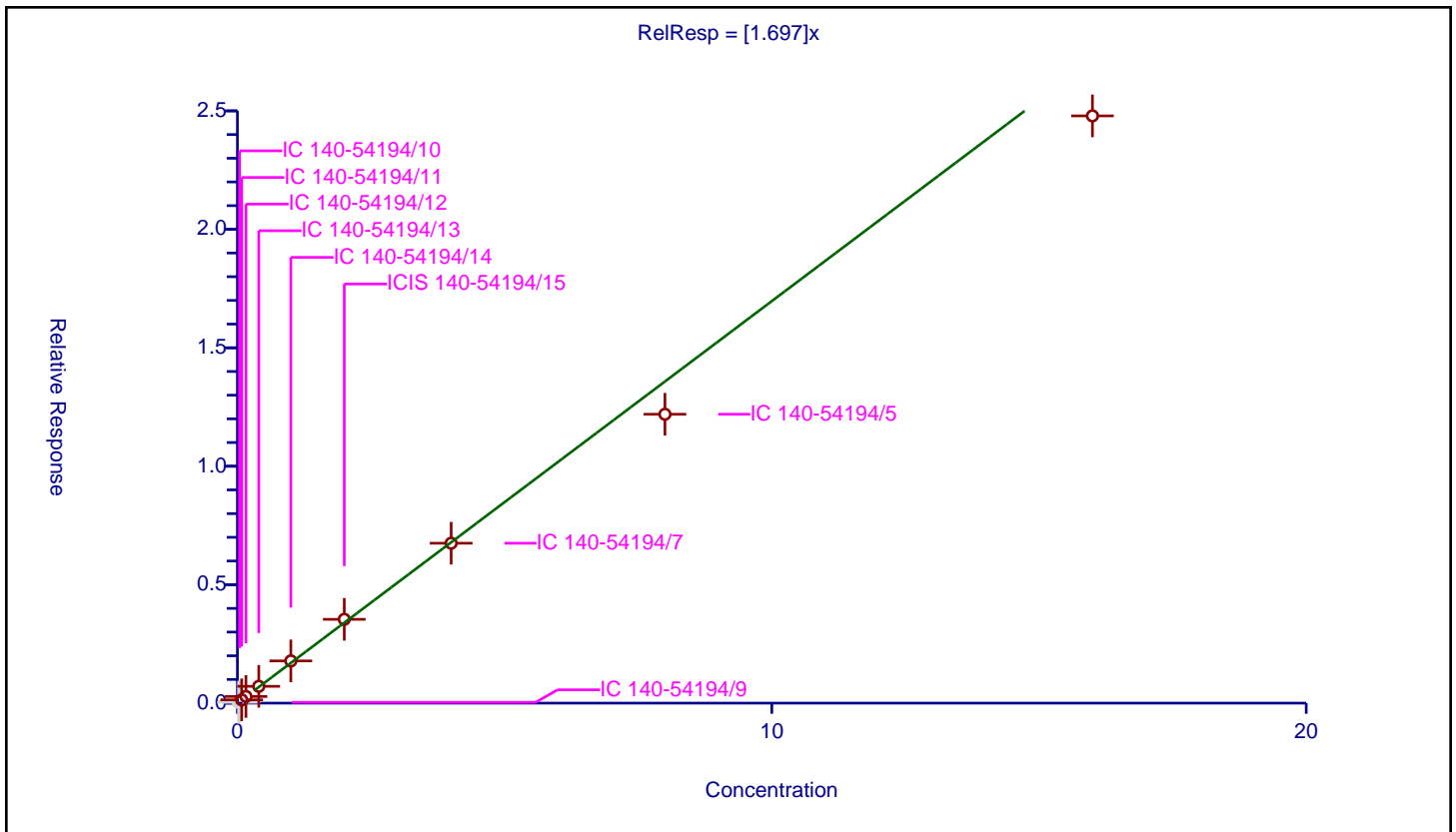
/ Ethyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	1.697

Error Coefficients	
Standard Error:	560000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.033811	4.8	246027.0	1.690546	N
2	IC 140-54194/10	0.04	0.075759	4.8	235125.0	1.893971	N
3	IC 140-54194/11	0.08	0.139121	4.8	237514.0	1.739013	Y
4	IC 140-54194/12	0.16	0.280241	4.8	232583.0	1.751504	Y
5	IC 140-54194/13	0.4	0.709423	4.8	227272.0	1.773558	Y
6	IC 140-54194/14	1.0	1.782137	4.8	219738.0	1.782137	Y
7	ICIS 140-54194/15	2.0	3.537238	4.8	221294.0	1.768619	Y
8	IC 140-54194/7	4.0	6.750793	4.8	240493.0	1.687698	Y
9	IC 140-54194/5	8.0	12.194189	4.8	261346.0	1.524274	Y
10	IC 140-54194/3	16.0	24.78912	4.8	245505.0	1.54932	Y



Calibration

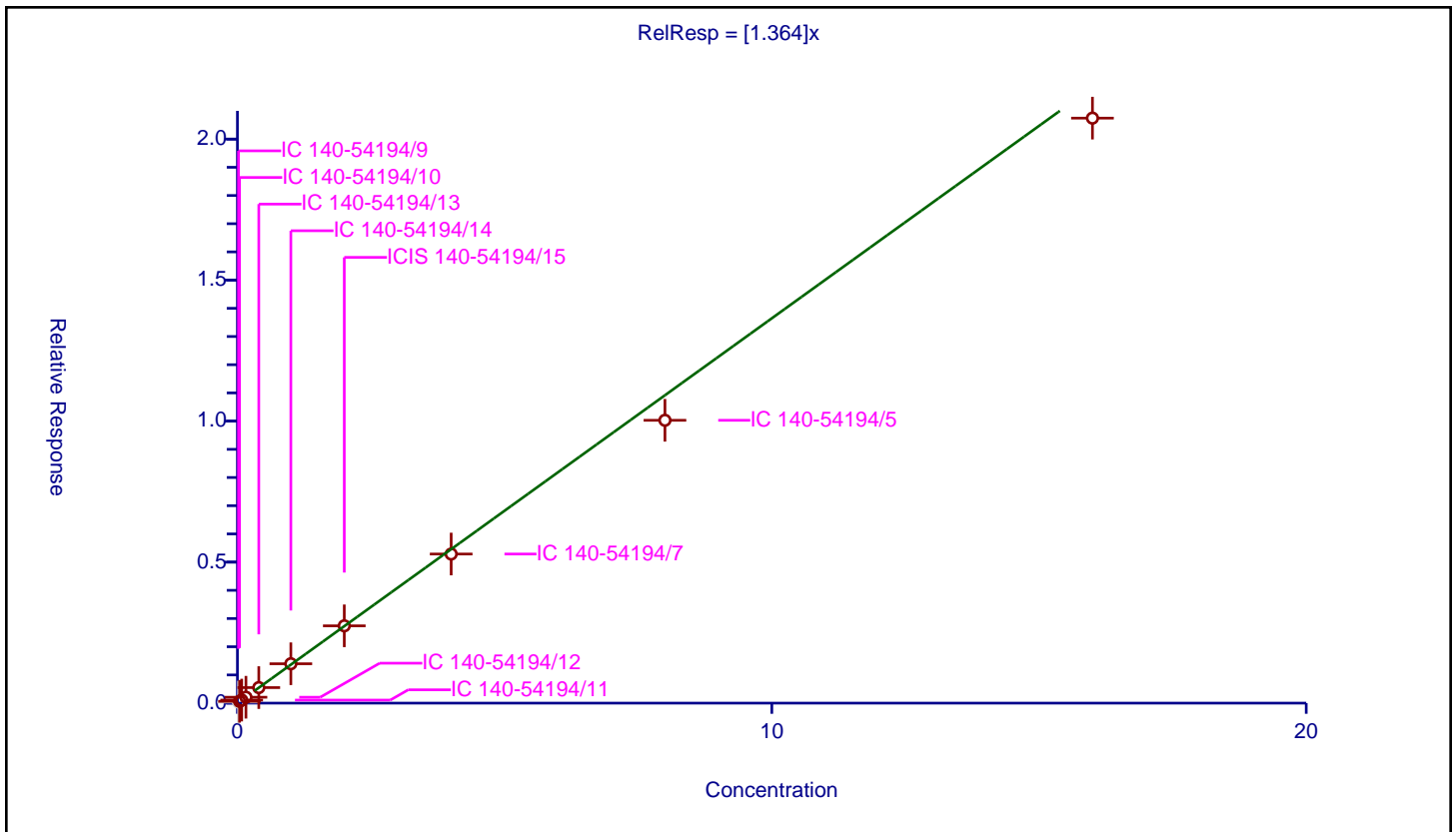
/ 1,1-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	1.364

Error Coefficients	
Standard Error:	435000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.03941	4.8	246027.0	1.970515	N
2	IC 140-54194/10	0.04	0.064449	4.8	235125.0	1.611228	Y
3	IC 140-54194/11	0.08	0.107797	4.8	237514.0	1.347457	Y
4	IC 140-54194/12	0.16	0.208896	4.8	232583.0	1.305598	Y
5	IC 140-54194/13	0.4	0.550959	4.8	227272.0	1.377398	Y
6	IC 140-54194/14	1.0	1.39615	4.8	219738.0	1.39615	Y
7	ICIS 140-54194/15	2.0	2.741388	4.8	221294.0	1.370694	Y
8	IC 140-54194/7	4.0	5.287279	4.8	240493.0	1.32182	Y
9	IC 140-54194/5	8.0	10.029022	4.8	261346.0	1.253628	Y
10	IC 140-54194/3	16.0	20.743183	4.8	245505.0	1.296449	Y



Calibration

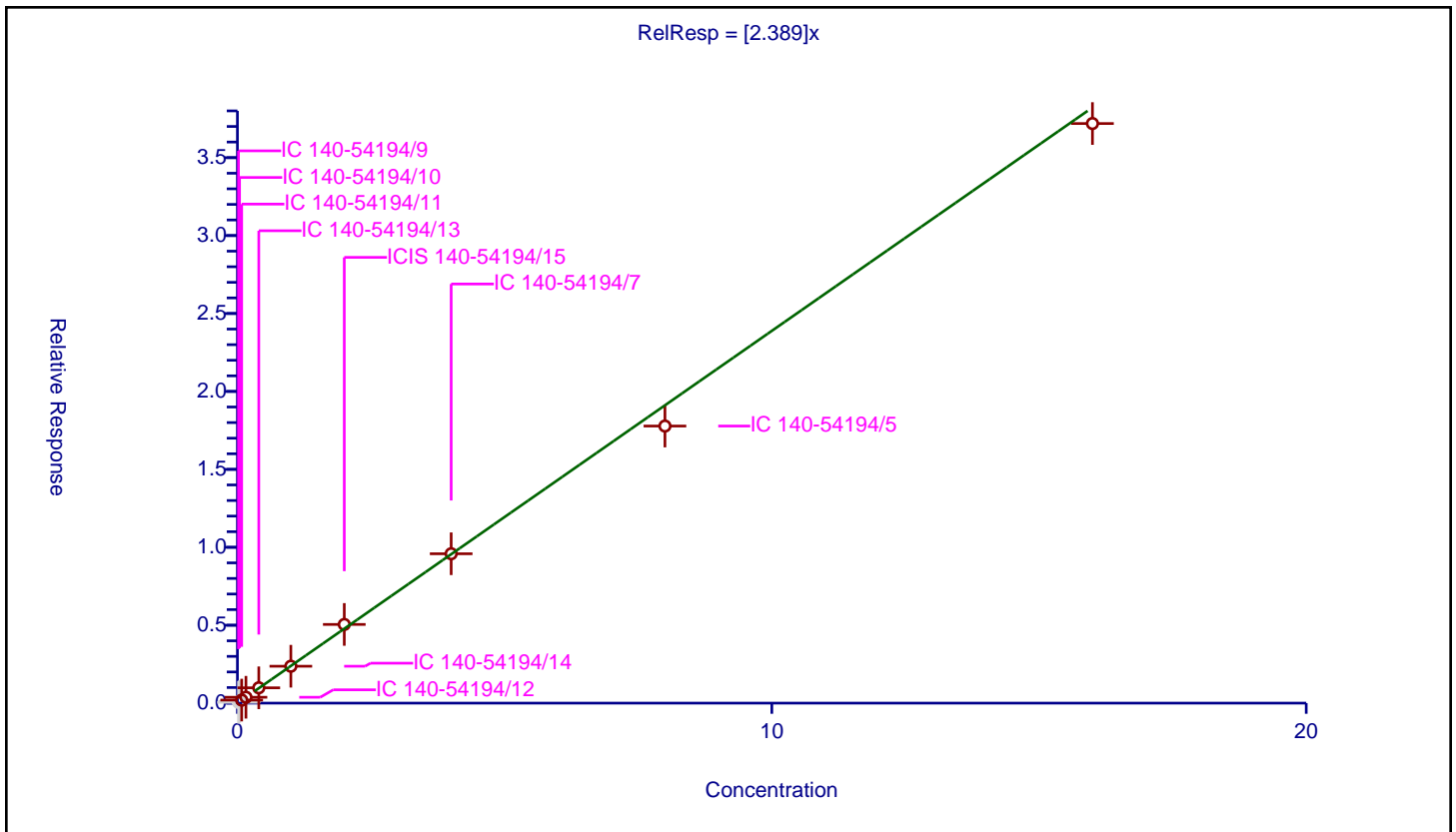
/ 2-Methyl-2-propanol

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

Curve Coefficients	
Intercept:	0
Slope:	2.389

Error Coefficients	
Standard Error:	833000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.05016	4.8	246027.0	2.508017	N
2	IC 140-54194/10	0.04	0.109872	4.8	235125.0	2.746794	N
3	IC 140-54194/11	0.08	0.196415	4.8	237514.0	2.455182	Y
4	IC 140-54194/12	0.16	0.377341	4.8	232583.0	2.358384	Y
5	IC 140-54194/13	0.4	0.984259	4.8	227272.0	2.460646	Y
6	IC 140-54194/14	1.0	2.367124	4.8	219738.0	2.367124	Y
7	ICIS 140-54194/15	2.0	5.048119	4.8	221294.0	2.524059	Y
8	IC 140-54194/7	4.0	9.584671	4.8	240493.0	2.396168	Y
9	IC 140-54194/5	8.0	17.7784	4.8	261346.0	2.2223	Y
10	IC 140-54194/3	16.0	37.1889	4.8	245505.0	2.324306	Y



Calibration

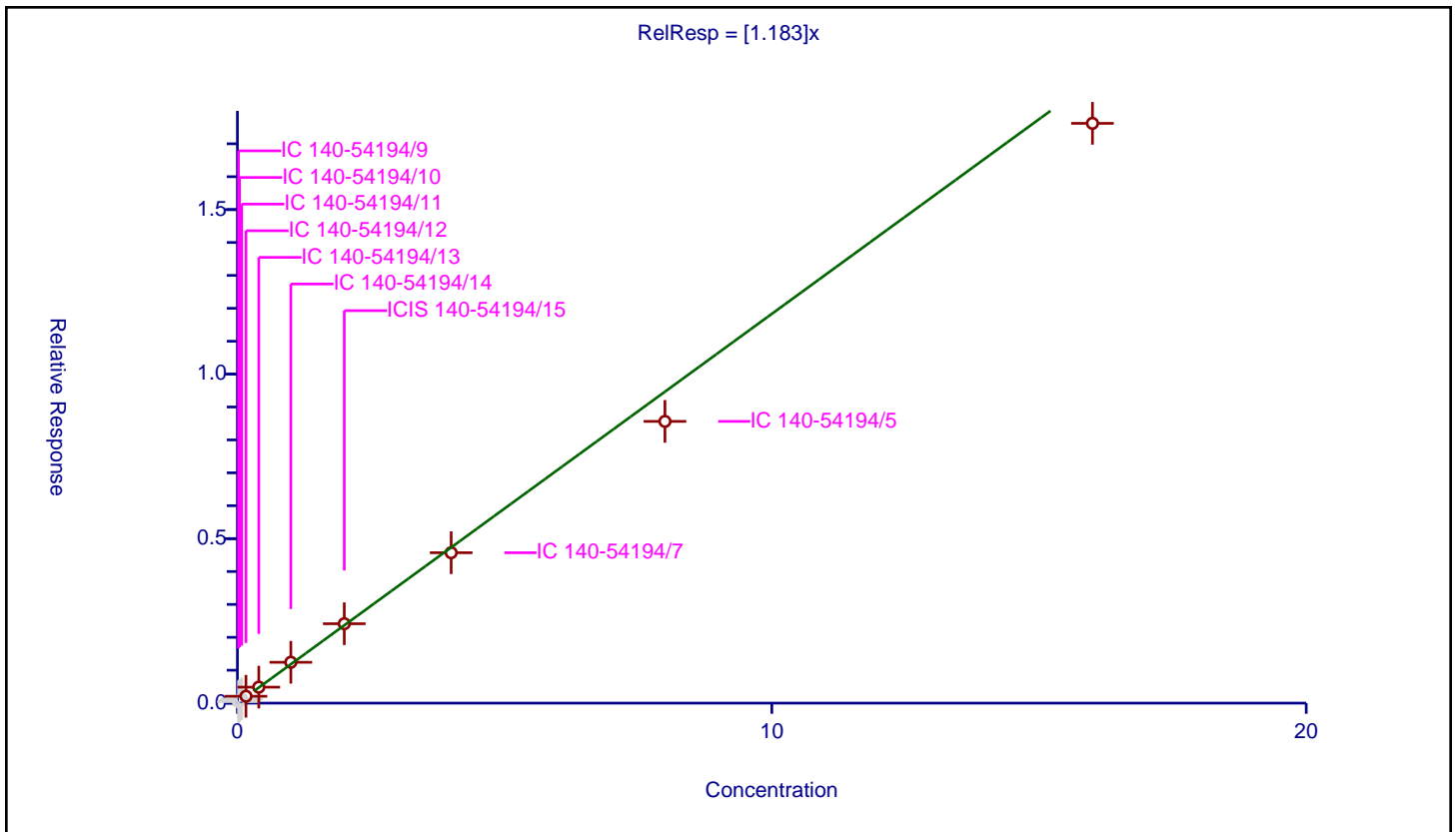
/ Acrylonitrile

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

Curve Coefficients	
Intercept:	0
Slope:	1.183

Error Coefficients	
Standard Error:	428000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.045732	4.8	246027.0	2.286578	N
2	IC 140-54194/10	0.04	0.080985	4.8	235125.0	2.024625	N
3	IC 140-54194/11	0.08	0.126329	4.8	237514.0	1.579107	N
4	IC 140-54194/12	0.16	0.208978	4.8	232583.0	1.306114	Y
5	IC 140-54194/13	0.4	0.485212	4.8	227272.0	1.213031	Y
6	IC 140-54194/14	1.0	1.240947	4.8	219738.0	1.240947	Y
7	ICIS 140-54194/15	2.0	2.413643	4.8	221294.0	1.206822	Y
8	IC 140-54194/7	4.0	4.571809	4.8	240493.0	1.142952	Y
9	IC 140-54194/5	8.0	8.563085	4.8	261346.0	1.070386	Y
10	IC 140-54194/3	16.0	17.621018	4.8	245505.0	1.101314	Y



Calibration

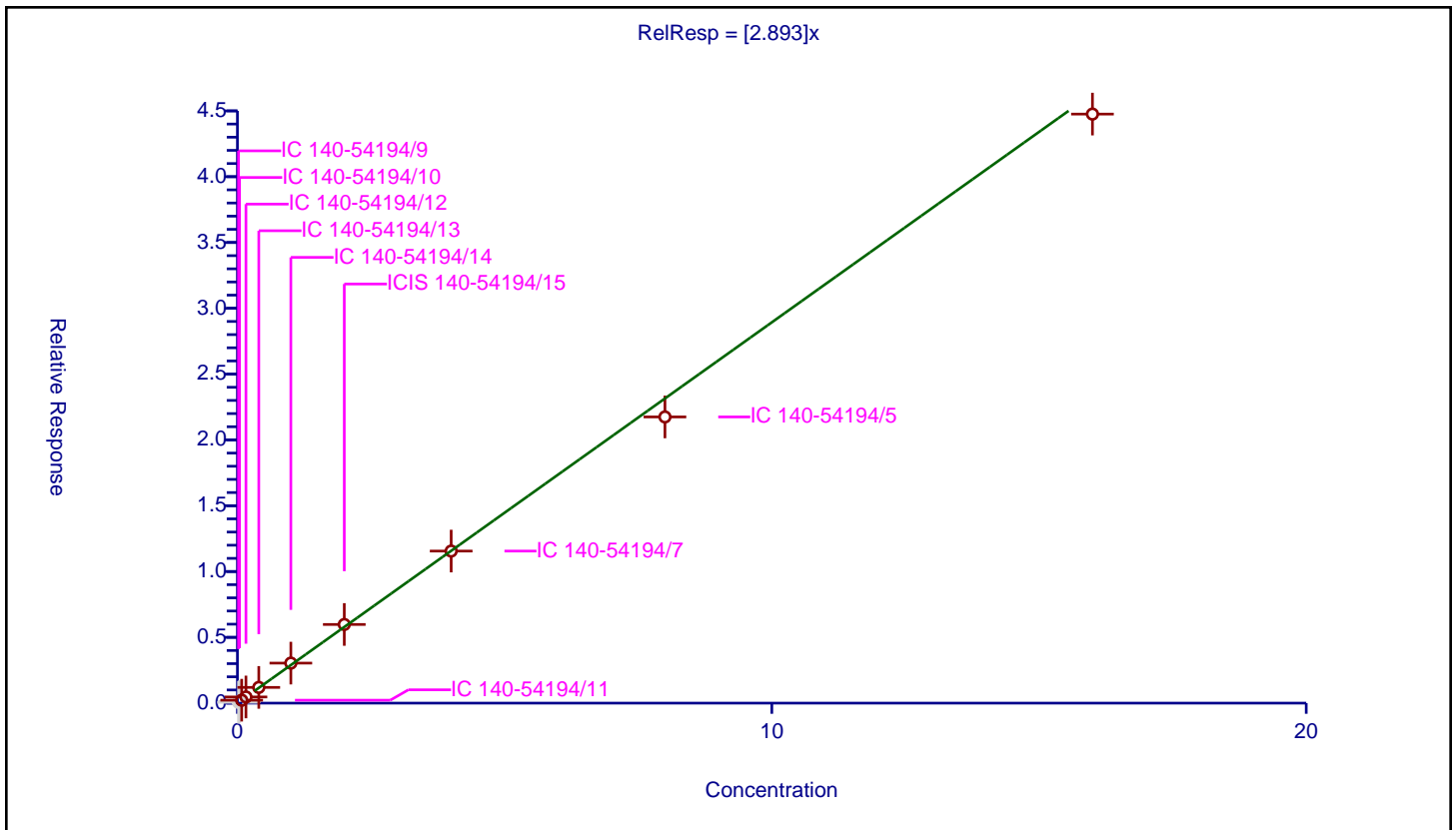
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

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

Curve Coefficients	
Intercept:	0
Slope:	2.893

Error Coefficients	
Standard Error:	1010000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.061671	4.8	246027.0	3.083564	N
2	IC 140-54194/10	0.04	0.130593	4.8	235125.0	3.264817	N
3	IC 140-54194/11	0.08	0.224243	4.8	237514.0	2.803035	Y
4	IC 140-54194/12	0.16	0.467983	4.8	232583.0	2.924891	Y
5	IC 140-54194/13	0.4	1.194065	4.8	227272.0	2.985163	Y
6	IC 140-54194/14	1.0	3.040974	4.8	219738.0	3.040974	Y
7	ICIS 140-54194/15	2.0	5.976889	4.8	221294.0	2.988444	Y
8	IC 140-54194/7	4.0	11.553866	4.8	240493.0	2.888467	Y
9	IC 140-54194/5	8.0	21.744654	4.8	261346.0	2.718082	Y
10	IC 140-54194/3	16.0	44.756811	4.8	245505.0	2.797301	Y



Calibration

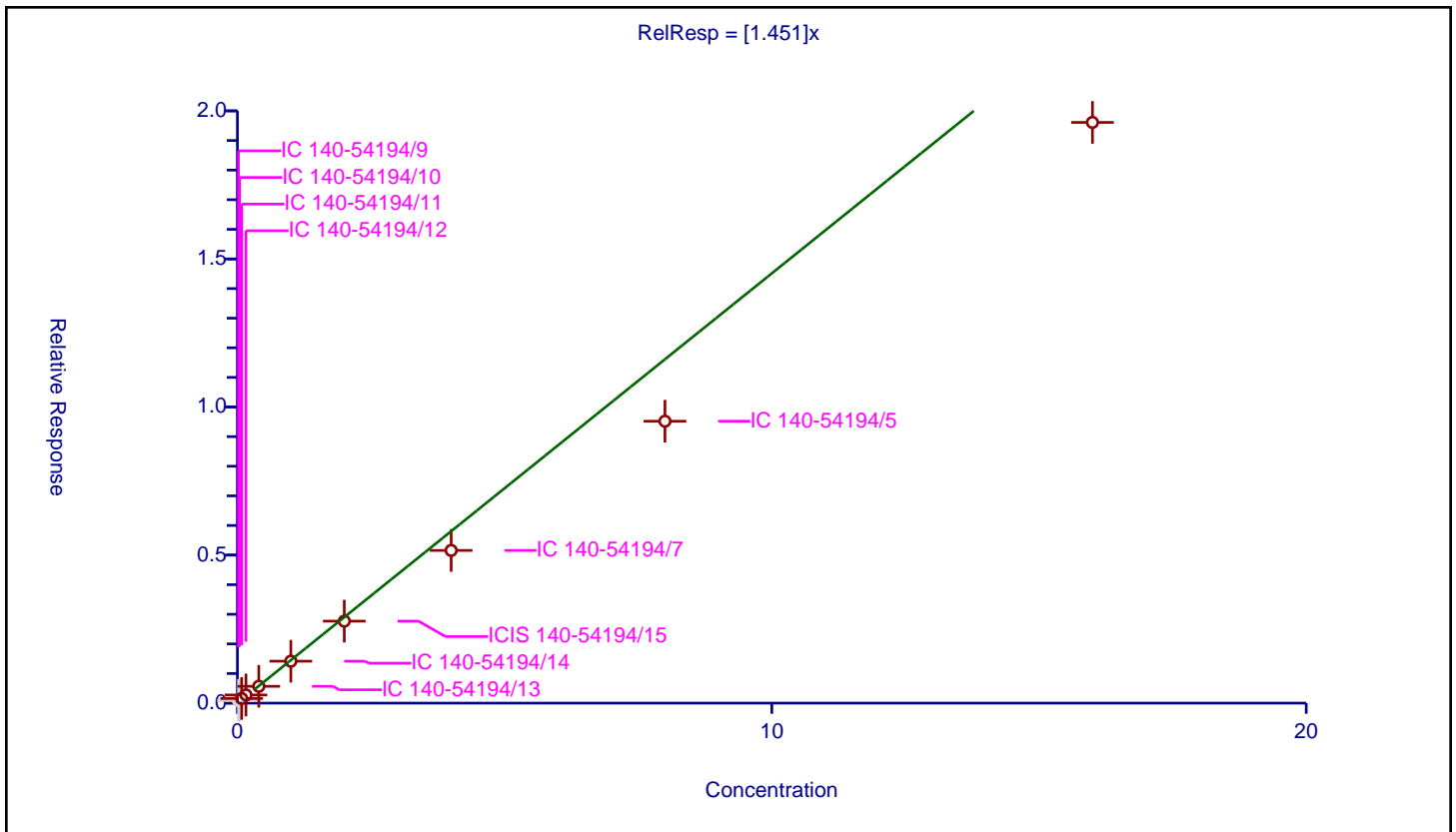
/ Methylene Chloride

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

Curve Coefficients	
Intercept:	0
Slope:	1.451

Error Coefficients	
Standard Error:	441000
Relative Standard Error:	18.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.945

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.088049	4.8	246027.0	4.402444	N
2	IC 140-54194/10	0.04	0.108851	4.8	235125.0	2.721276	N
3	IC 140-54194/11	0.08	0.156966	4.8	237514.0	1.962074	Y
4	IC 140-54194/12	0.16	0.275845	4.8	232583.0	1.72403	Y
5	IC 140-54194/13	0.4	0.567581	4.8	227272.0	1.418952	Y
6	IC 140-54194/14	1.0	1.415963	4.8	219738.0	1.415963	Y
7	ICIS 140-54194/15	2.0	2.769196	4.8	221294.0	1.384598	Y
8	IC 140-54194/7	4.0	5.156588	4.8	240493.0	1.289147	Y
9	IC 140-54194/5	8.0	9.520198	4.8	261346.0	1.190025	Y
10	IC 140-54194/3	16.0	19.610367	4.8	245505.0	1.225648	Y



Calibration

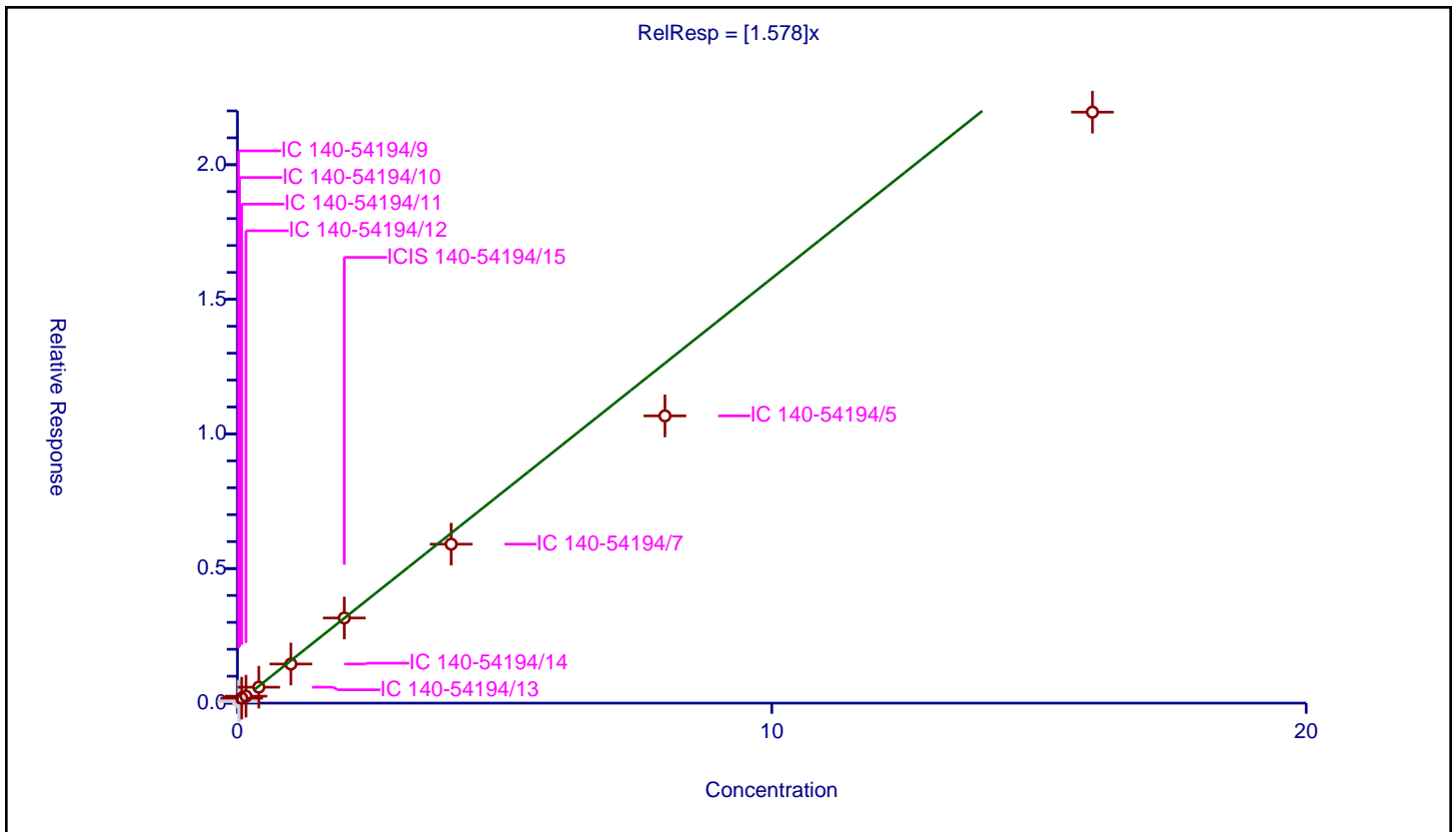
/ 3-Chloro-1-propene

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

Curve Coefficients	
Intercept:	0
Slope:	1.578

Error Coefficients	
Standard Error:	495000
Relative Standard Error:	19.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.934

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.056716	4.8	246027.0	2.835786	N
2	IC 140-54194/10	0.04	0.103482	4.8	235125.0	2.587049	N
3	IC 140-54194/11	0.08	0.185299	4.8	237514.0	2.316242	Y
4	IC 140-54194/12	0.16	0.258034	4.8	232583.0	1.612715	Y
5	IC 140-54194/13	0.4	0.59208	4.8	227272.0	1.4802	Y
6	IC 140-54194/14	1.0	1.453338	4.8	219738.0	1.453338	Y
7	ICIS 140-54194/15	2.0	3.162446	4.8	221294.0	1.581223	Y
8	IC 140-54194/7	4.0	5.904751	4.8	240493.0	1.476188	Y
9	IC 140-54194/5	8.0	10.670636	4.8	261346.0	1.333829	Y
10	IC 140-54194/3	16.0	21.953756	4.8	245505.0	1.37211	Y



Calibration

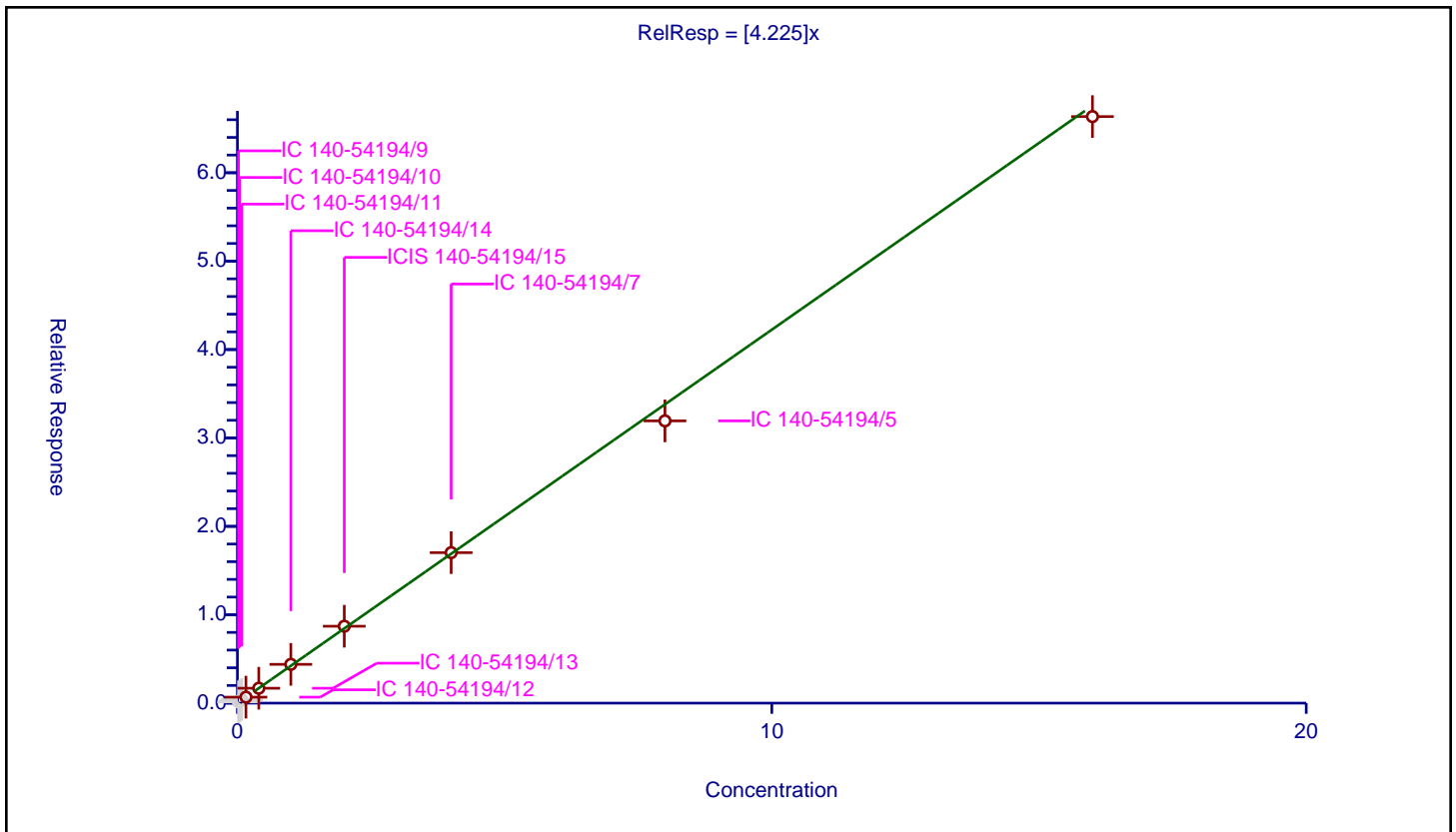
/ Carbon disulfide

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

Curve Coefficients	
Intercept:	0
Slope:	4.225

Error Coefficients	
Standard Error:	1610000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.140141	4.8	246027.0	7.007036	N
2	IC 140-54194/10	0.04	0.238852	4.8	235125.0	5.971292	N
3	IC 140-54194/11	0.08	0.396507	4.8	237514.0	4.956339	N
4	IC 140-54194/12	0.16	0.675888	4.8	232583.0	4.224298	Y
5	IC 140-54194/13	0.4	1.685424	4.8	227272.0	4.213559	Y
6	IC 140-54194/14	1.0	4.389176	4.8	219738.0	4.389176	Y
7	ICIS 140-54194/15	2.0	8.701684	4.8	221294.0	4.350842	Y
8	IC 140-54194/7	4.0	17.024489	4.8	240493.0	4.256122	Y
9	IC 140-54194/5	8.0	31.932142	4.8	261346.0	3.991518	Y
10	IC 140-54194/3	16.0	66.353868	4.8	245505.0	4.147117	Y



Calibration

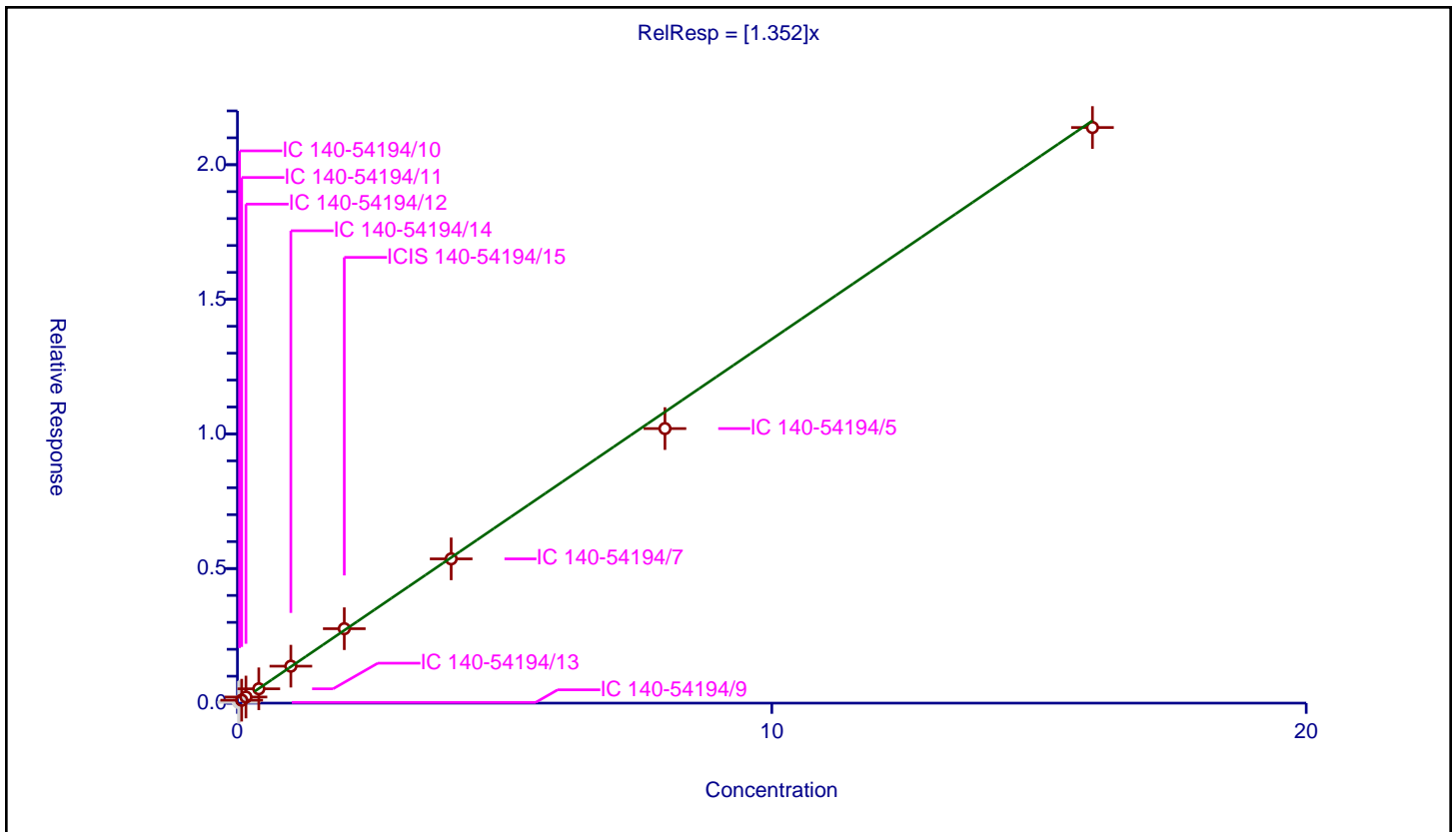
/ trans-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	1.352

Error Coefficients	
Standard Error:	478000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.026865	4.8	246027.0	1.343267	N
2	IC 140-54194/10	0.04	0.067021	4.8	235125.0	1.675534	N
3	IC 140-54194/11	0.08	0.10911	4.8	237514.0	1.363877	Y
4	IC 140-54194/12	0.16	0.226686	4.8	232583.0	1.416785	Y
5	IC 140-54194/13	0.4	0.532036	4.8	227272.0	1.330089	Y
6	IC 140-54194/14	1.0	1.373214	4.8	219738.0	1.373214	Y
7	ICIS 140-54194/15	2.0	2.764597	4.8	221294.0	1.382299	Y
8	IC 140-54194/7	4.0	5.359092	4.8	240493.0	1.339773	Y
9	IC 140-54194/5	8.0	10.198838	4.8	261346.0	1.274855	Y
10	IC 140-54194/3	16.0	21.382655	4.8	245505.0	1.336416	Y



Calibration

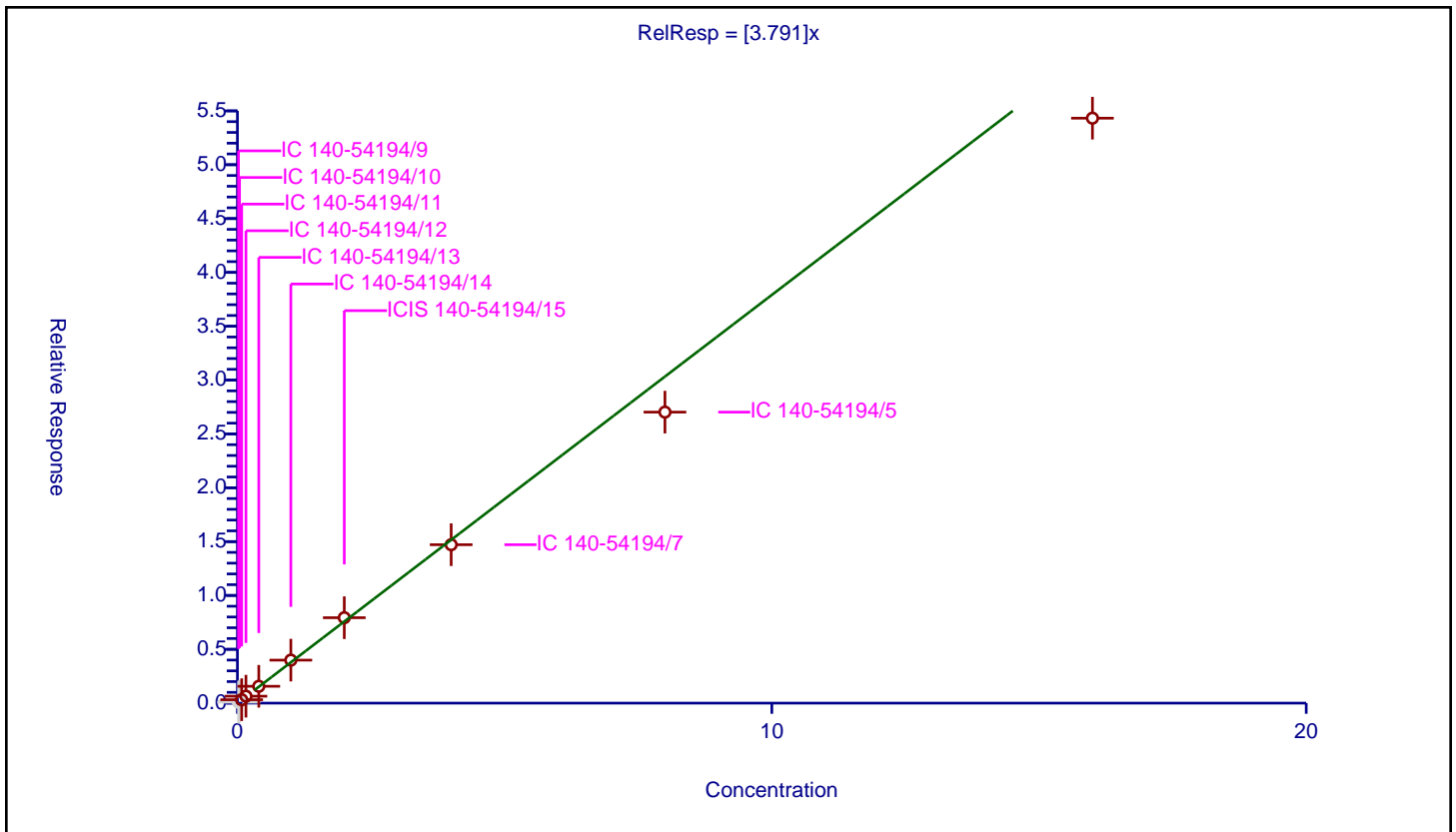
/ 2-Methylpentane

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

Curve Coefficients	
Intercept:	0
Slope:	3.791

Error Coefficients	
Standard Error:	1230000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.088732	4.8	246027.0	4.436586	N
2	IC 140-54194/10	0.04	0.167257	4.8	235125.0	4.181435	N
3	IC 140-54194/11	0.08	0.318378	4.8	237514.0	3.979723	Y
4	IC 140-54194/12	0.16	0.643961	4.8	232583.0	4.024757	Y
5	IC 140-54194/13	0.4	1.563582	4.8	227272.0	3.908955	Y
6	IC 140-54194/14	1.0	3.993949	4.8	219738.0	3.993949	Y
7	ICIS 140-54194/15	2.0	7.933056	4.8	221294.0	3.966528	Y
8	IC 140-54194/7	4.0	14.713396	4.8	240493.0	3.678349	Y
9	IC 140-54194/5	8.0	27.026241	4.8	261346.0	3.37828	Y
10	IC 140-54194/3	16.0	54.3224	4.8	245505.0	3.39515	Y



Calibration

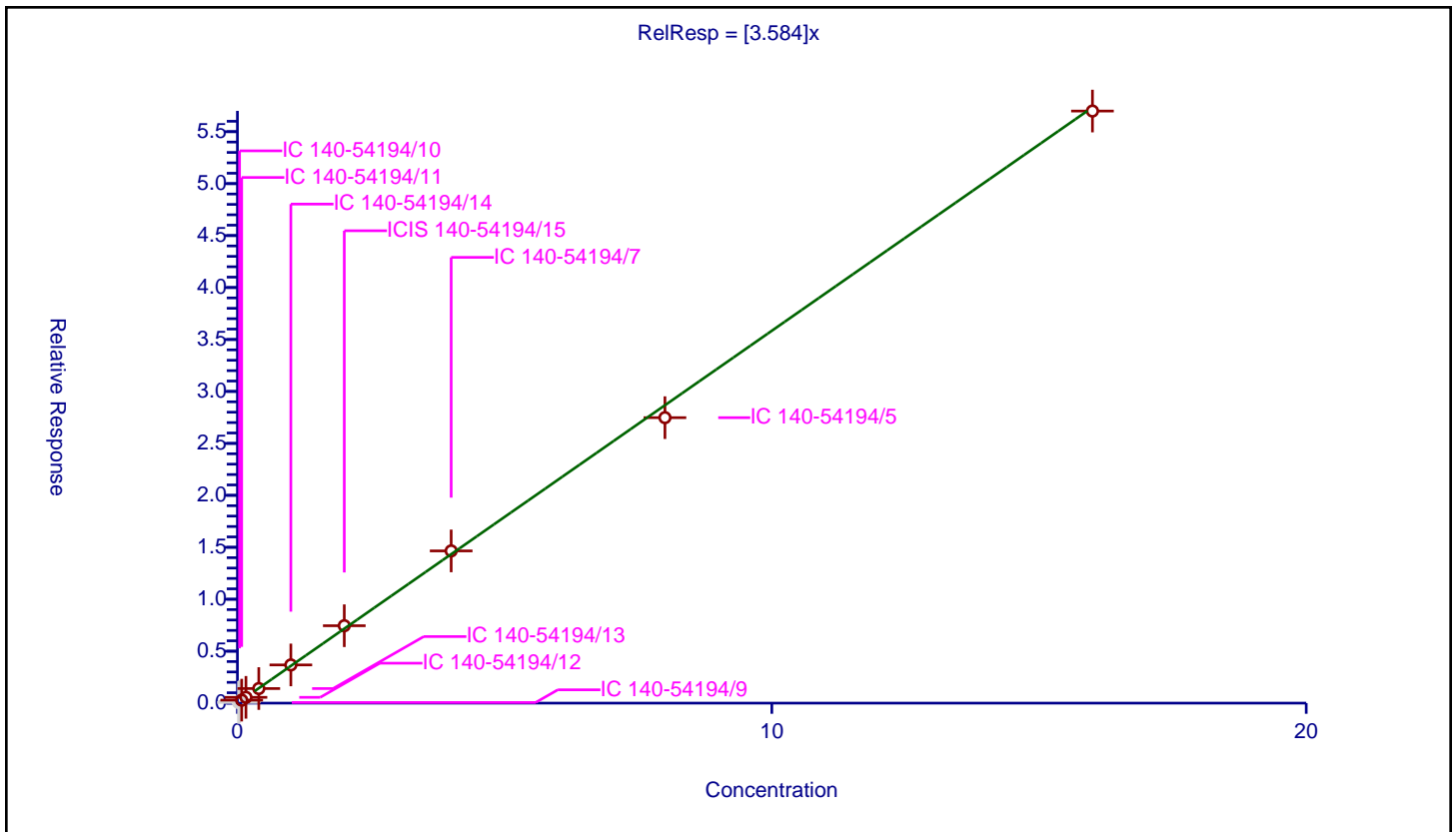
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	3.584

Error Coefficients	
Standard Error:	1280000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.062276	4.8	246027.0	3.113805	N
2	IC 140-54194/10	0.04	0.14919	4.8	235125.0	3.729761	N
3	IC 140-54194/11	0.08	0.288892	4.8	237514.0	3.611156	Y
4	IC 140-54194/12	0.16	0.557654	4.8	232583.0	3.485336	Y
5	IC 140-54194/13	0.4	1.404104	4.8	227272.0	3.510261	Y
6	IC 140-54194/14	1.0	3.678191	4.8	219738.0	3.678191	Y
7	ICIS 140-54194/15	2.0	7.451481	4.8	221294.0	3.72574	Y
8	IC 140-54194/7	4.0	14.651923	4.8	240493.0	3.662981	Y
9	IC 140-54194/5	8.0	27.475209	4.8	261346.0	3.434401	Y
10	IC 140-54194/3	16.0	56.983599	4.8	245505.0	3.561475	Y



Calibration

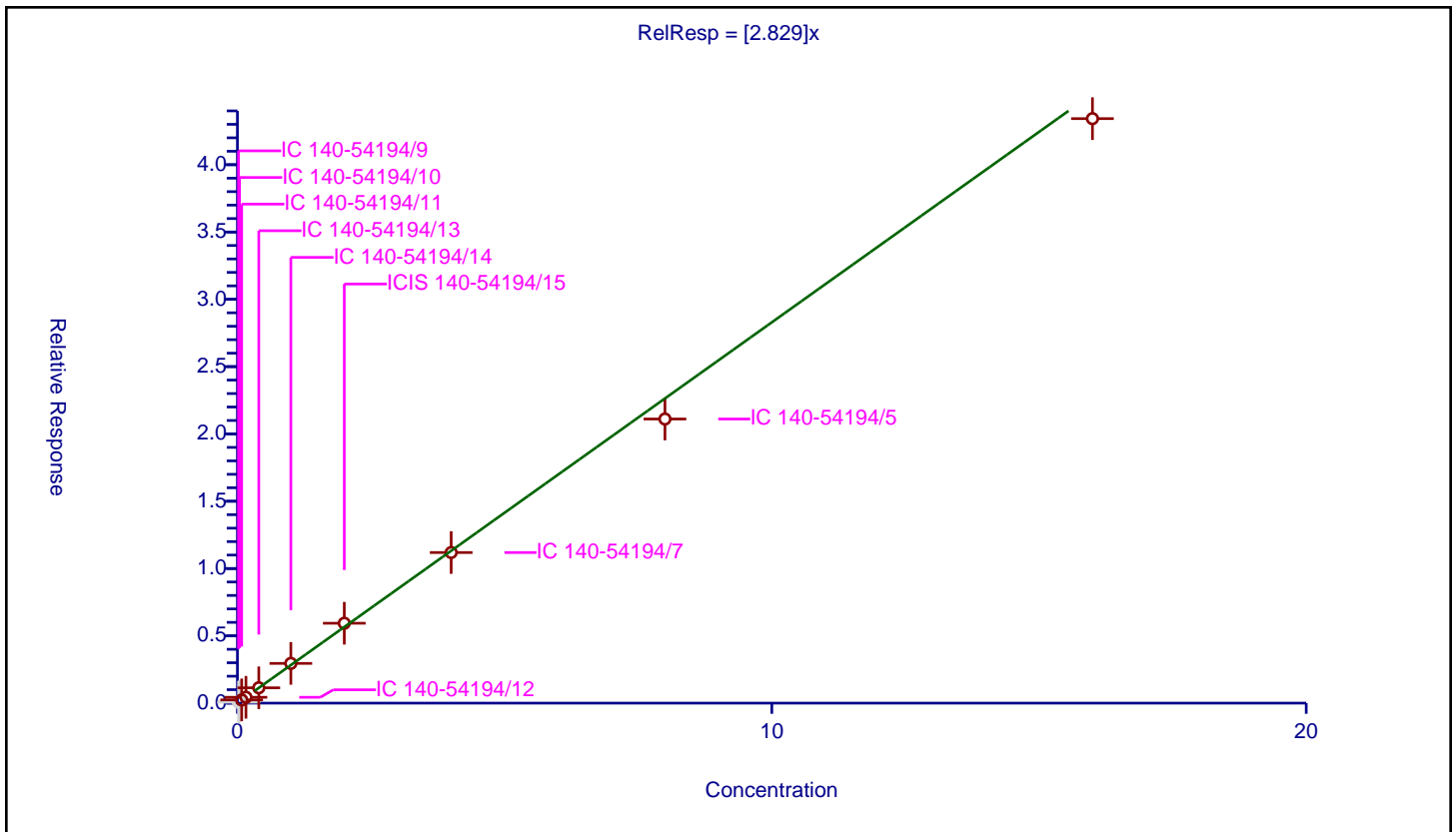
/ 1,1-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	2.829

Error Coefficients	
Standard Error:	976000
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 140-54194/9	0.02	0.06811	4.8	246027.0	3.40548	N
2	IC 140-54194/10	0.04	0.131164	4.8	235125.0	3.279107	N
3	IC 140-54194/11	0.08	0.240067	4.8	237514.0	3.000834	Y
4	IC 140-54194/12	0.16	0.434467	4.8	232583.0	2.715418	Y
5	IC 140-54194/13	0.4	1.139533	4.8	227272.0	2.848833	Y
6	IC 140-54194/14	1.0	2.950911	4.8	219738.0	2.950911	Y
7	ICIS 140-54194/15	2.0	5.935481	4.8	221294.0	2.967741	Y
8	IC 140-54194/7	4.0	11.188377	4.8	240493.0	2.797094	Y
9	IC 140-54194/5	8.0	21.108734	4.8	261346.0	2.638592	Y
10	IC 140-54194/3	16.0	43.424237	4.8	245505.0	2.714015	Y



Calibration

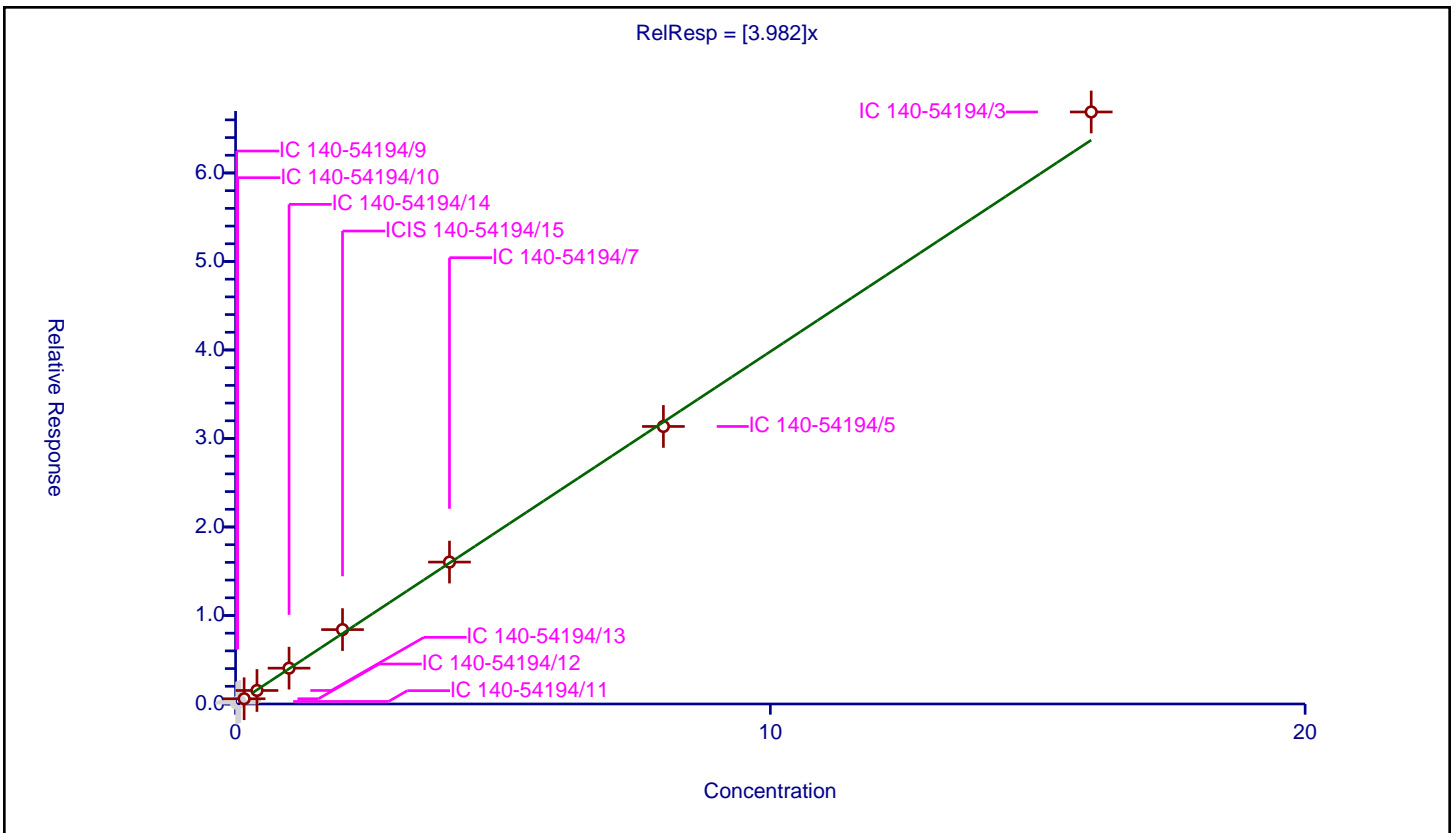
/ Vinyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	3.982

Error Coefficients	
Standard Error:	1600000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.096419	4.8	246027.0	4.820934	N
2	IC 140-54194/10	0.04	0.173116	4.8	235125.0	4.327911	N
3	IC 140-54194/11	0.08	0.28669	4.8	237514.0	3.58362	N
4	IC 140-54194/12	0.16	0.591789	4.8	232583.0	3.69868	Y
5	IC 140-54194/13	0.4	1.526516	4.8	227272.0	3.816291	Y
6	IC 140-54194/14	1.0	4.048887	4.8	219738.0	4.048887	Y
7	ICIS 140-54194/15	2.0	8.403763	4.8	221294.0	4.201882	Y
8	IC 140-54194/7	4.0	16.035041	4.8	240493.0	4.00876	Y
9	IC 140-54194/5	8.0	31.358319	4.8	261346.0	3.91979	Y
10	IC 140-54194/3	16.0	66.890343	4.8	245505.0	4.180646	Y



Calibration

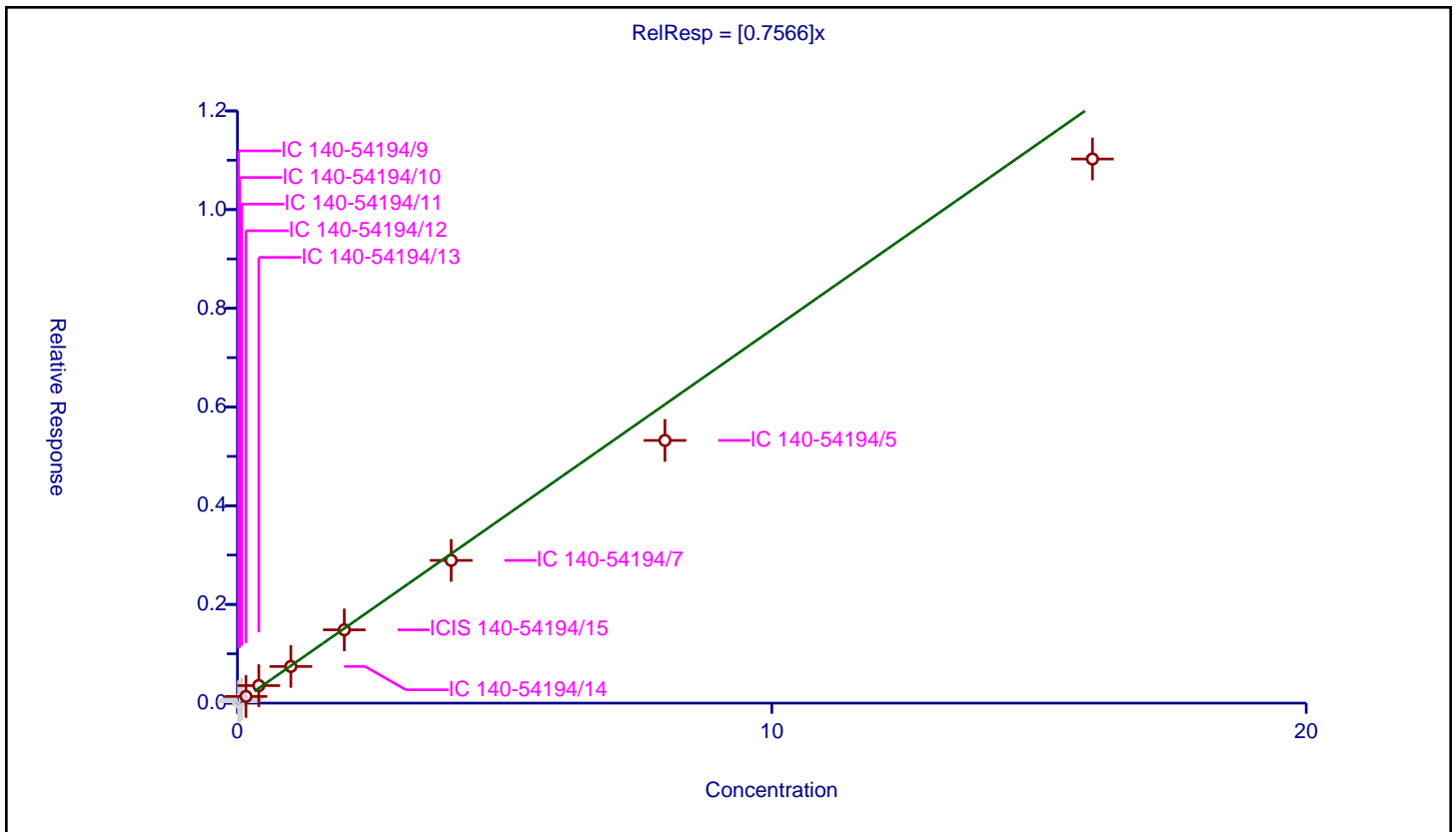
/ 2-Butanone (MEK)

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

Curve Coefficients	
Intercept:	0
Slope:	0.7566

Error Coefficients	
Standard Error:	267000
Relative Standard Error:	10.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.027529	4.8	246027.0	1.376434	N
2	IC 140-54194/10	0.04	0.044381	4.8	235125.0	1.109537	N
3	IC 140-54194/11	0.08	0.084253	4.8	237514.0	1.053159	N
4	IC 140-54194/12	0.16	0.135054	4.8	232583.0	0.844086	Y
5	IC 140-54194/13	0.4	0.355556	4.8	227272.0	0.888891	Y
6	IC 140-54194/14	1.0	0.743074	4.8	219738.0	0.743074	Y
7	ICIS 140-54194/15	2.0	1.485025	4.8	221294.0	0.742513	Y
8	IC 140-54194/7	4.0	2.892418	4.8	240493.0	0.723105	Y
9	IC 140-54194/5	8.0	5.322746	4.8	261346.0	0.665343	Y
10	IC 140-54194/3	16.0	11.025287	4.8	245505.0	0.68908	Y



Calibration

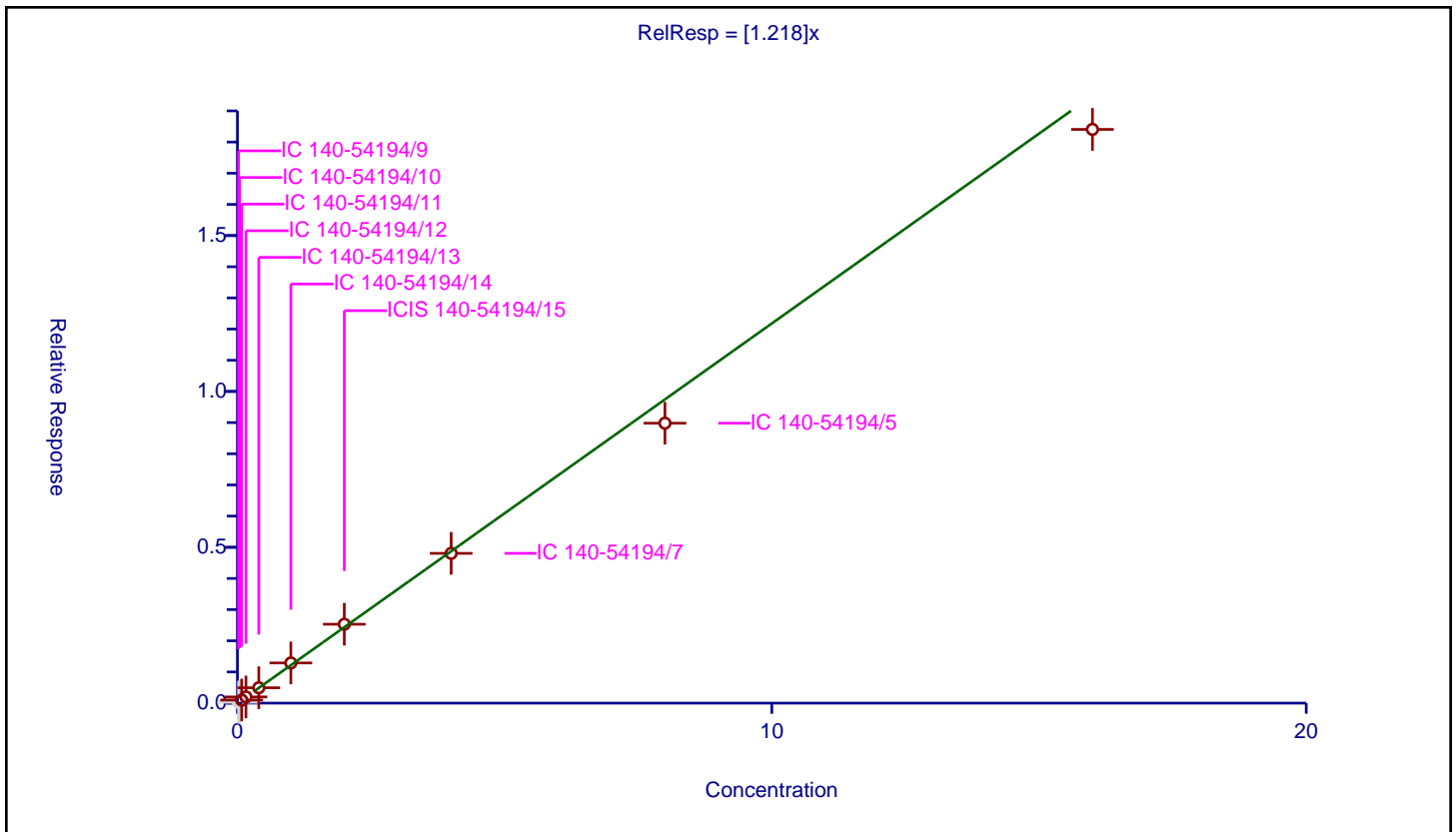
/ Hexane

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

Curve Coefficients	
Intercept:	0
Slope:	1.218

Error Coefficients	
Standard Error:	414000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.025909	4.8	246027.0	1.295468	N
2	IC 140-54194/10	0.04	0.057692	4.8	235125.0	1.442297	N
3	IC 140-54194/11	0.08	0.099187	4.8	237514.0	1.239843	Y
4	IC 140-54194/12	0.16	0.198886	4.8	232583.0	1.24304	Y
5	IC 140-54194/13	0.4	0.492858	4.8	227272.0	1.232145	Y
6	IC 140-54194/14	1.0	1.289113	4.8	219738.0	1.289113	Y
7	ICIS 140-54194/15	2.0	2.531141	4.8	221294.0	1.265571	Y
8	IC 140-54194/7	4.0	4.805189	4.8	240493.0	1.201297	Y
9	IC 140-54194/5	8.0	8.980775	4.8	261346.0	1.122597	Y
10	IC 140-54194/3	16.0	18.40654	4.8	245505.0	1.150409	Y



Calibration

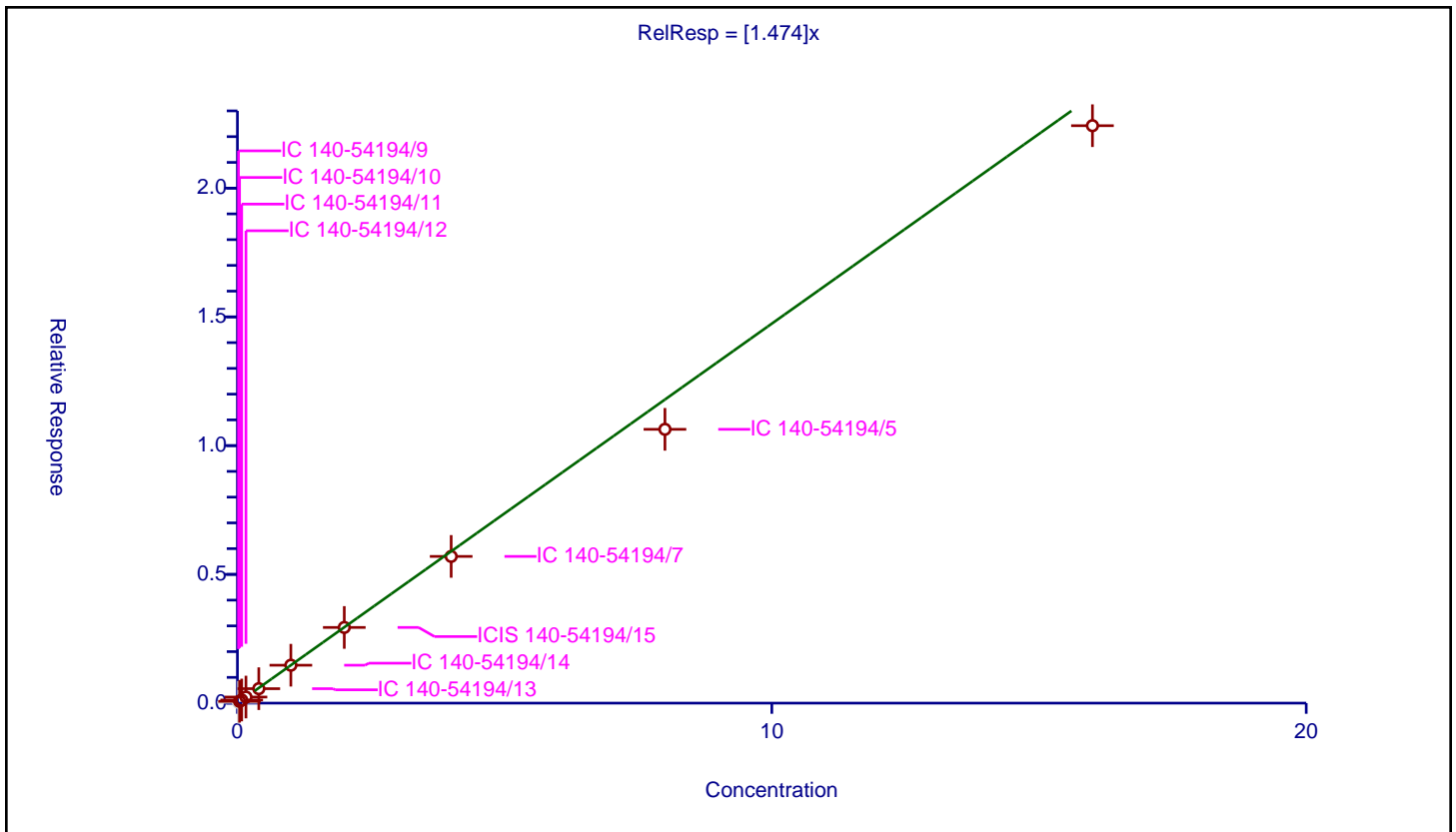
/ cis-1,2-Dichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	1.474

Error Coefficients	
Standard Error:	469000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.032718	4.8	246027.0	1.635918	N
2	IC 140-54194/10	0.04	0.070819	4.8	235125.0	1.770463	Y
3	IC 140-54194/11	0.08	0.121438	4.8	237514.0	1.517974	Y
4	IC 140-54194/12	0.16	0.23589	4.8	232583.0	1.474312	Y
5	IC 140-54194/13	0.4	0.561435	4.8	227272.0	1.403587	Y
6	IC 140-54194/14	1.0	1.472343	4.8	219738.0	1.472343	Y
7	ICIS 140-54194/15	2.0	2.939554	4.8	221294.0	1.469777	Y
8	IC 140-54194/7	4.0	5.697277	4.8	240493.0	1.424319	Y
9	IC 140-54194/5	8.0	10.633921	4.8	261346.0	1.32924	Y
10	IC 140-54194/3	16.0	22.424928	4.8	245505.0	1.401558	Y



Calibration

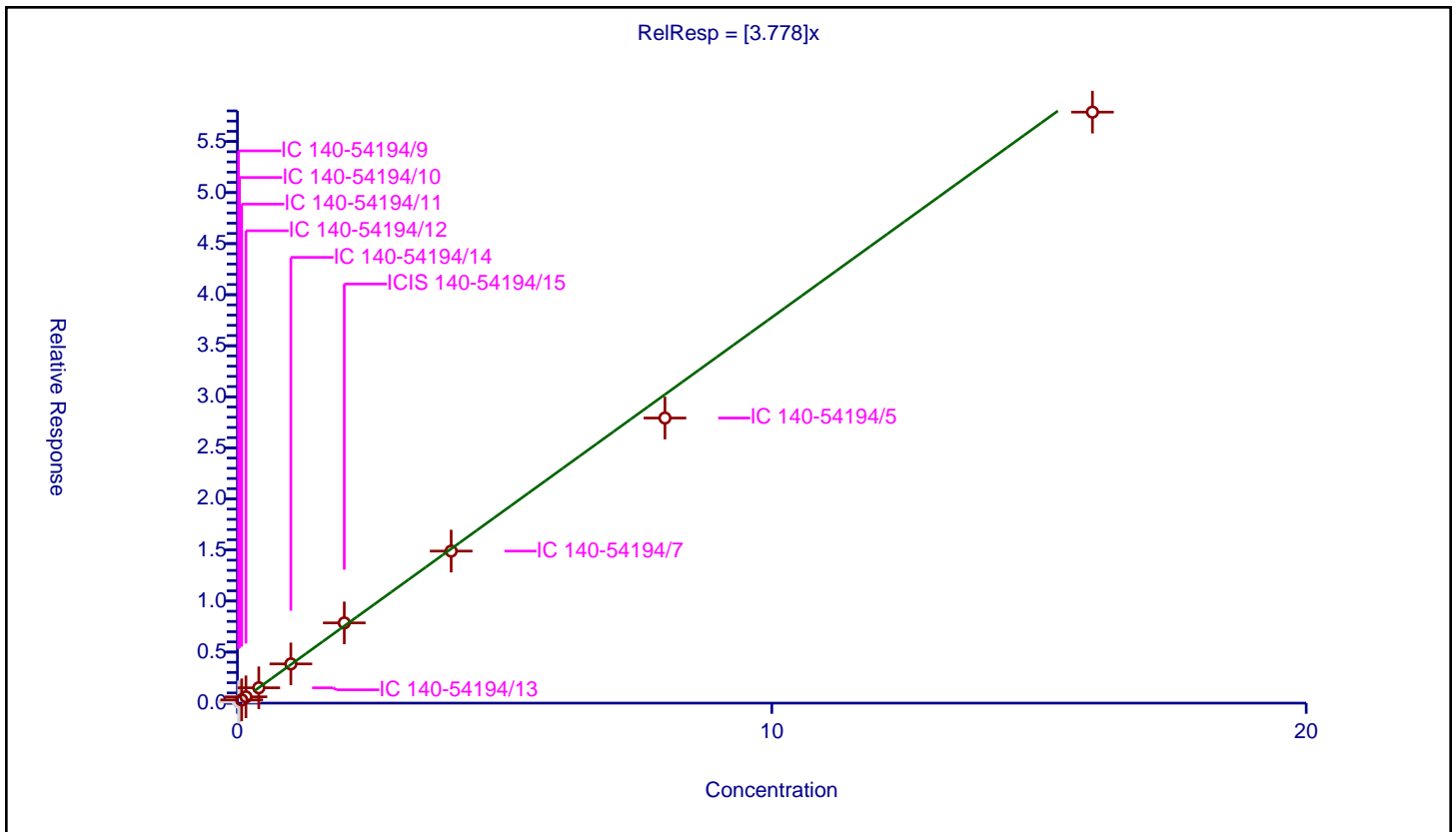
/ Ethyl acetate

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

Curve Coefficients	
Intercept:	0
Slope:	3.778

Error Coefficients	
Standard Error:	1300000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.102311	4.8	246027.0	5.115536	N
2	IC 140-54194/10	0.04	0.184937	4.8	235125.0	4.623413	N
3	IC 140-54194/11	0.08	0.320803	4.8	237514.0	4.010037	Y
4	IC 140-54194/12	0.16	0.617565	4.8	232583.0	3.859783	Y
5	IC 140-54194/13	0.4	1.501426	4.8	227272.0	3.753564	Y
6	IC 140-54194/14	1.0	3.841193	4.8	219738.0	3.841193	Y
7	ICIS 140-54194/15	2.0	7.857182	4.8	221294.0	3.928591	Y
8	IC 140-54194/7	4.0	14.889095	4.8	240493.0	3.722274	Y
9	IC 140-54194/5	8.0	27.919659	4.8	261346.0	3.489957	Y
10	IC 140-54194/3	16.0	57.878707	4.8	245505.0	3.617419	Y



Calibration

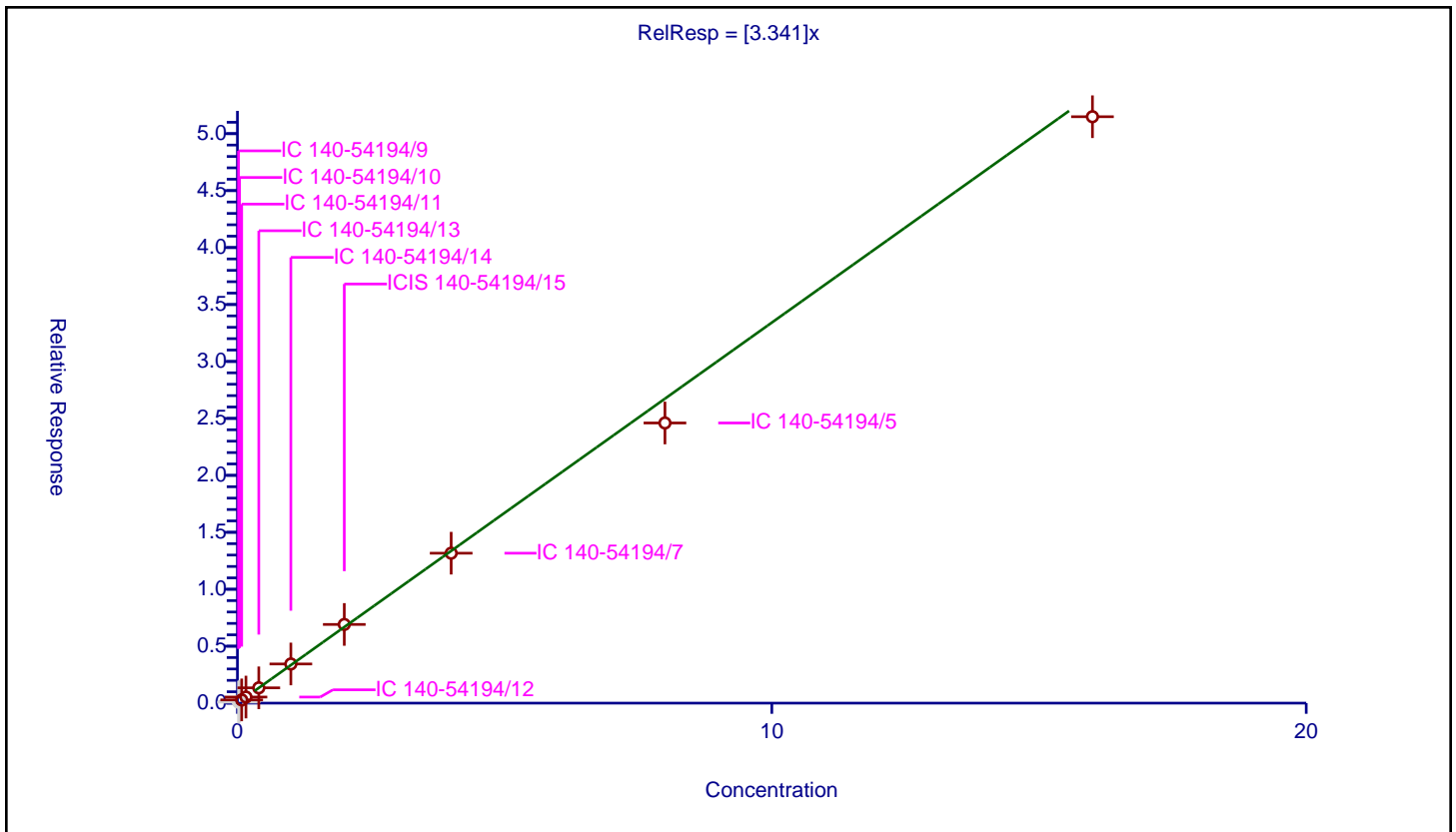
/ Chloroform

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

Curve Coefficients	
Intercept:	0
Slope:	3.341

Error Coefficients	
Standard Error:	1150000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.088693	4.8	246027.0	4.434635	N
2	IC 140-54194/10	0.04	0.160582	4.8	235125.0	4.014545	N
3	IC 140-54194/11	0.08	0.284851	4.8	237514.0	3.560632	Y
4	IC 140-54194/12	0.16	0.533425	4.8	232583.0	3.333907	Y
5	IC 140-54194/13	0.4	1.343447	4.8	227272.0	3.358619	Y
6	IC 140-54194/14	1.0	3.438342	4.8	219738.0	3.438342	Y
7	ICIS 140-54194/15	2.0	6.90811	4.8	221294.0	3.454055	Y
8	IC 140-54194/7	4.0	13.164937	4.8	240493.0	3.291234	Y
9	IC 140-54194/5	8.0	24.596818	4.8	261346.0	3.074602	Y
10	IC 140-54194/3	16.0	51.488913	4.8	245505.0	3.218057	Y



Calibration

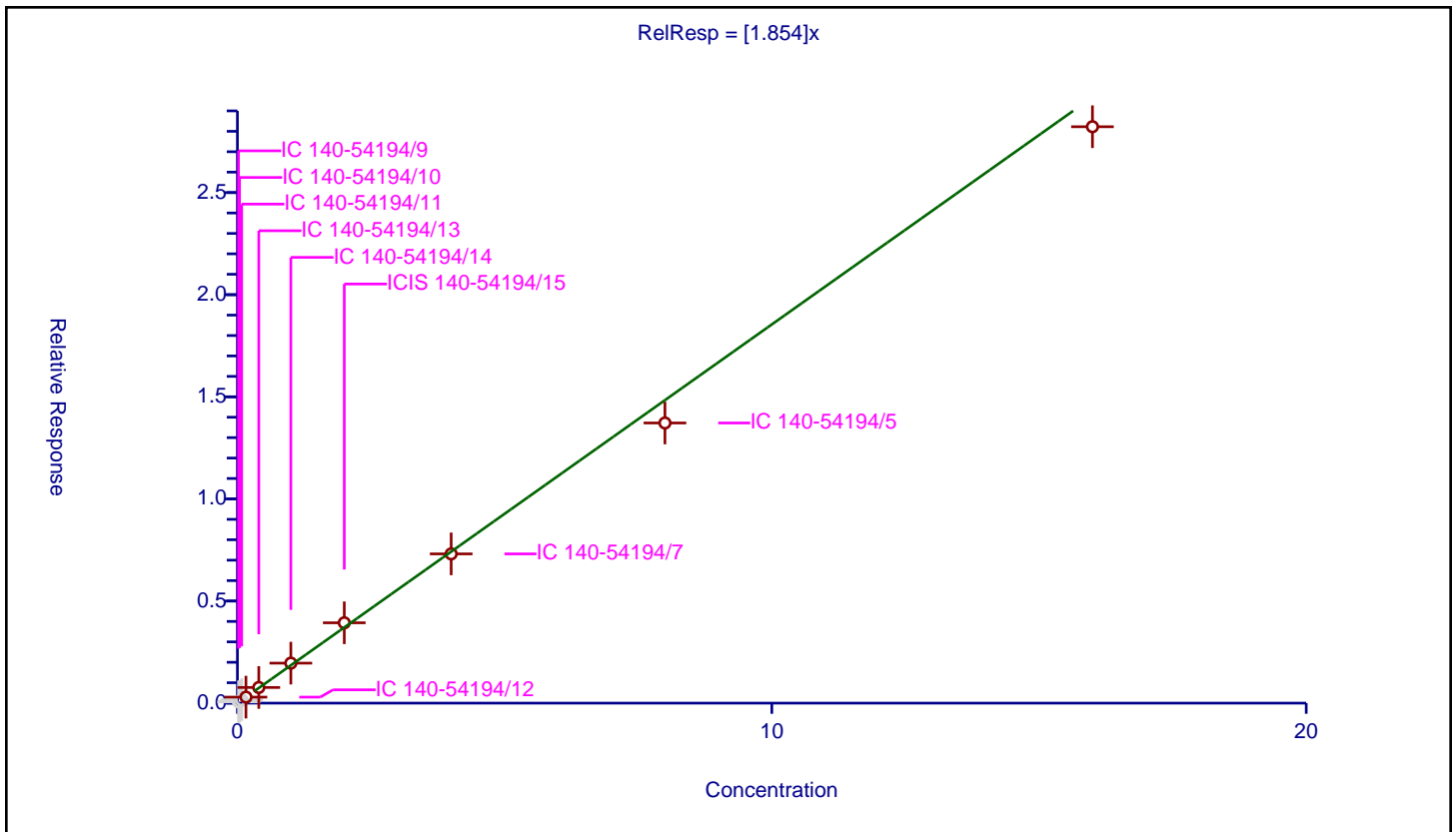
/ Tetrahydrofuran

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

Curve Coefficients	
Intercept:	0
Slope:	1.854

Error Coefficients	
Standard Error:	685000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.060598	4.8	246027.0	3.029911	N
2	IC 140-54194/10	0.04	0.085231	4.8	235125.0	2.130781	N
3	IC 140-54194/11	0.08	0.168526	4.8	237514.0	2.106571	N
4	IC 140-54194/12	0.16	0.293676	4.8	232583.0	1.835474	Y
5	IC 140-54194/13	0.4	0.765581	4.8	227272.0	1.913953	Y
6	IC 140-54194/14	1.0	1.958048	4.8	219738.0	1.958048	Y
7	ICIS 140-54194/15	2.0	3.933938	4.8	221294.0	1.966969	Y
8	IC 140-54194/7	4.0	7.307769	4.8	240493.0	1.826942	Y
9	IC 140-54194/5	8.0	13.717962	4.8	261346.0	1.714745	Y
10	IC 140-54194/3	16.0	28.224442	4.8	245505.0	1.764028	Y



Calibration

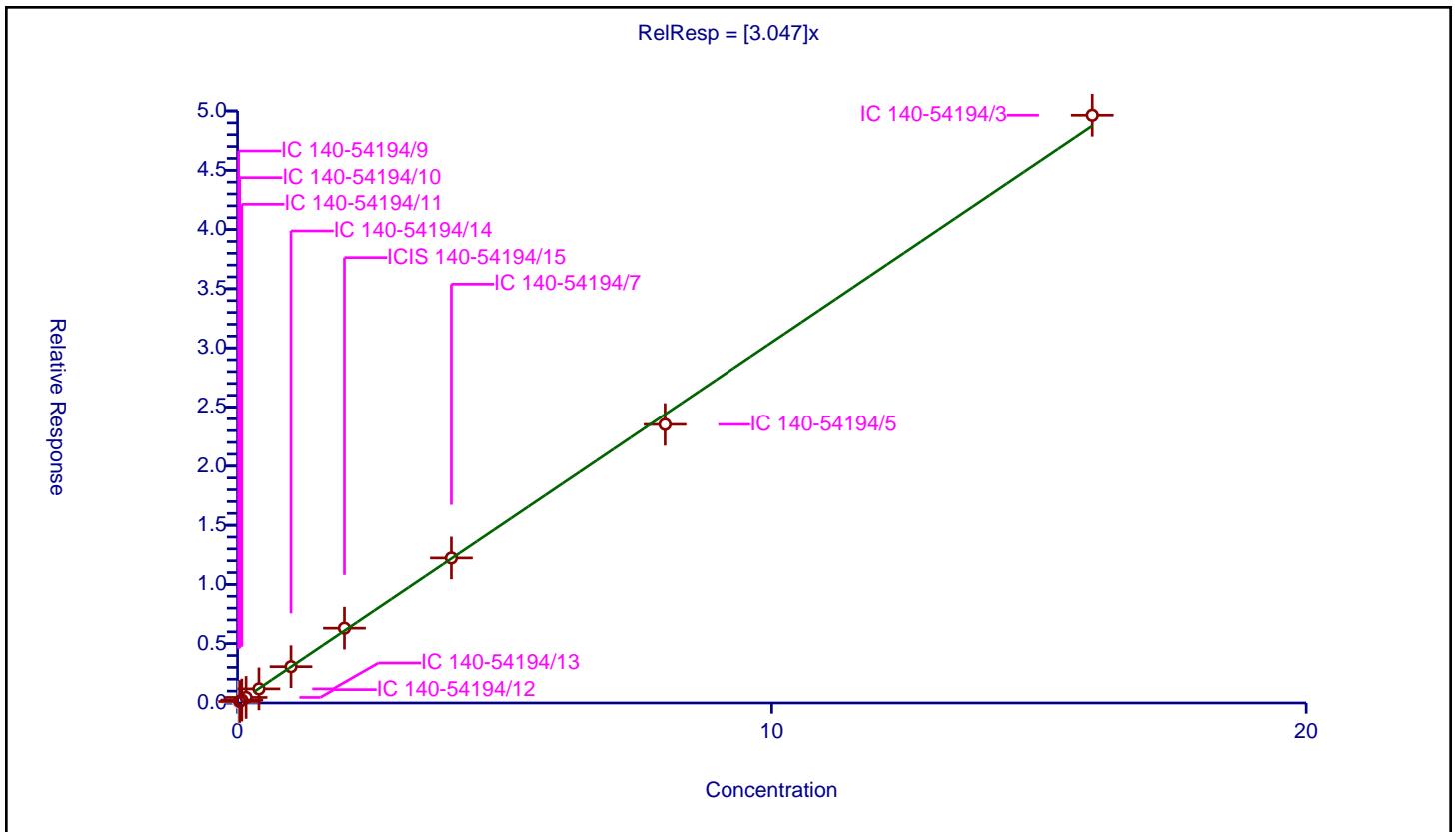
/ 1,1,1-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	3.047

Error Coefficients	
Standard Error:	1040000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.074743	4.8	246027.0	3.737151	N
2	IC 140-54194/10	0.04	0.126101	4.8	235125.0	3.152536	Y
3	IC 140-54194/11	0.08	0.24522	4.8	237514.0	3.065251	Y
4	IC 140-54194/12	0.16	0.466538	4.8	232583.0	2.915862	Y
5	IC 140-54194/13	0.4	1.189144	4.8	227272.0	2.972861	Y
6	IC 140-54194/14	1.0	3.06059	4.8	219738.0	3.06059	Y
7	ICIS 140-54194/15	2.0	6.30997	4.8	221294.0	3.154985	Y
8	IC 140-54194/7	4.0	12.235726	4.8	240493.0	3.058931	Y
9	IC 140-54194/5	8.0	23.524456	4.8	261346.0	2.940557	Y
10	IC 140-54194/3	16.0	49.640276	4.8	245505.0	3.102517	Y



Calibration

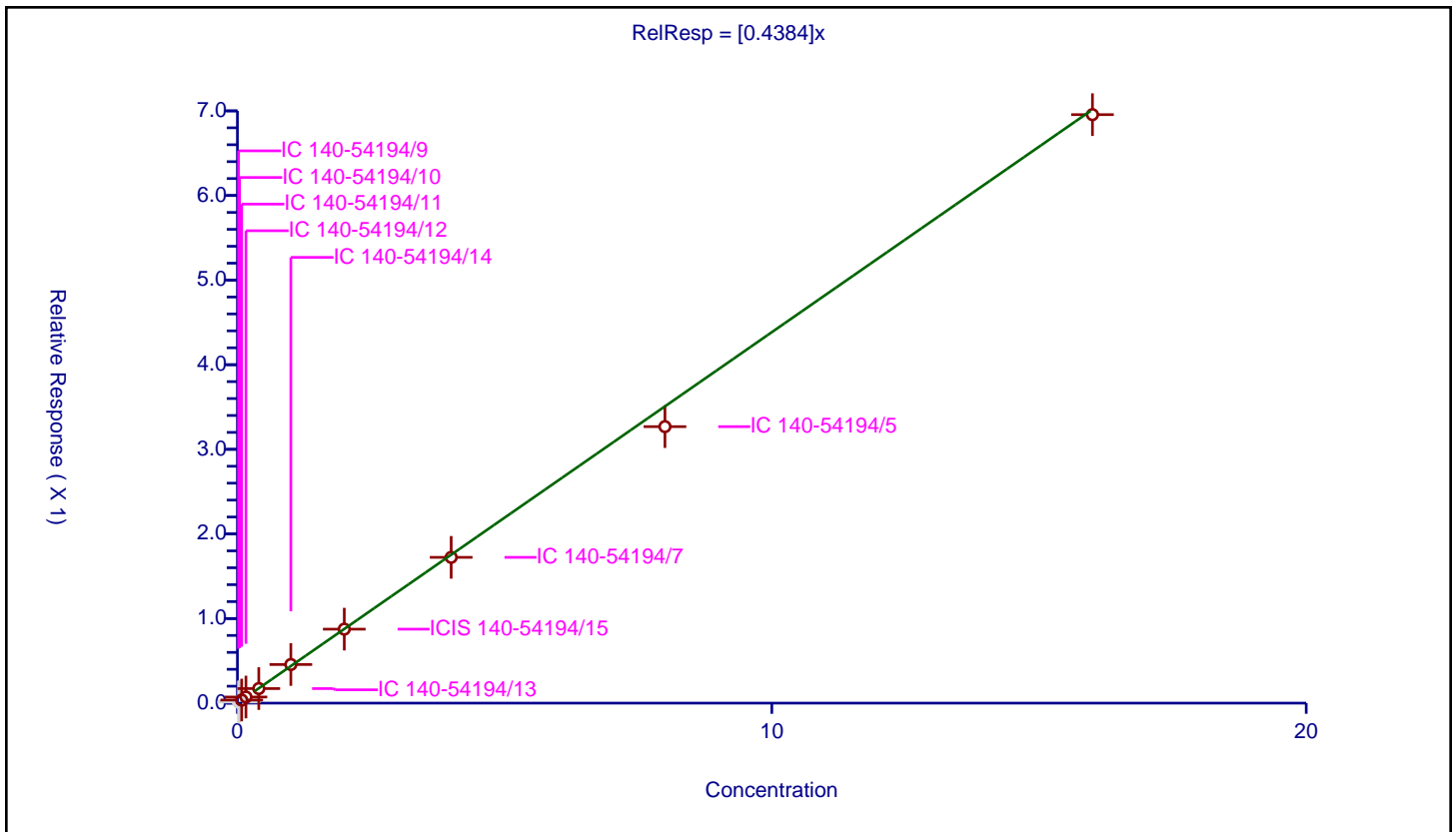
/ 1,2-Dichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.4384

Error Coefficients	
Standard Error:	793000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.013018	4.8	1334813.0	0.650878	N
2	IC 140-54194/10	0.04	0.020357	4.8	1292857.0	0.508919	N
3	IC 140-54194/11	0.08	0.036686	4.8	1276722.0	0.458581	Y
4	IC 140-54194/12	0.16	0.072164	4.8	1251221.0	0.451023	Y
5	IC 140-54194/13	0.4	0.172184	4.8	1234207.0	0.430459	Y
6	IC 140-54194/14	1.0	0.456212	4.8	1167742.0	0.456212	Y
7	ICIS 140-54194/15	2.0	0.874438	4.8	1209225.0	0.437219	Y
8	IC 140-54194/7	4.0	1.722896	4.8	1267572.0	0.430724	Y
9	IC 140-54194/5	8.0	3.268076	4.8	1363186.0	0.408509	Y
10	IC 140-54194/3	16.0	6.955743	4.8	1248218.0	0.434734	Y



Calibration

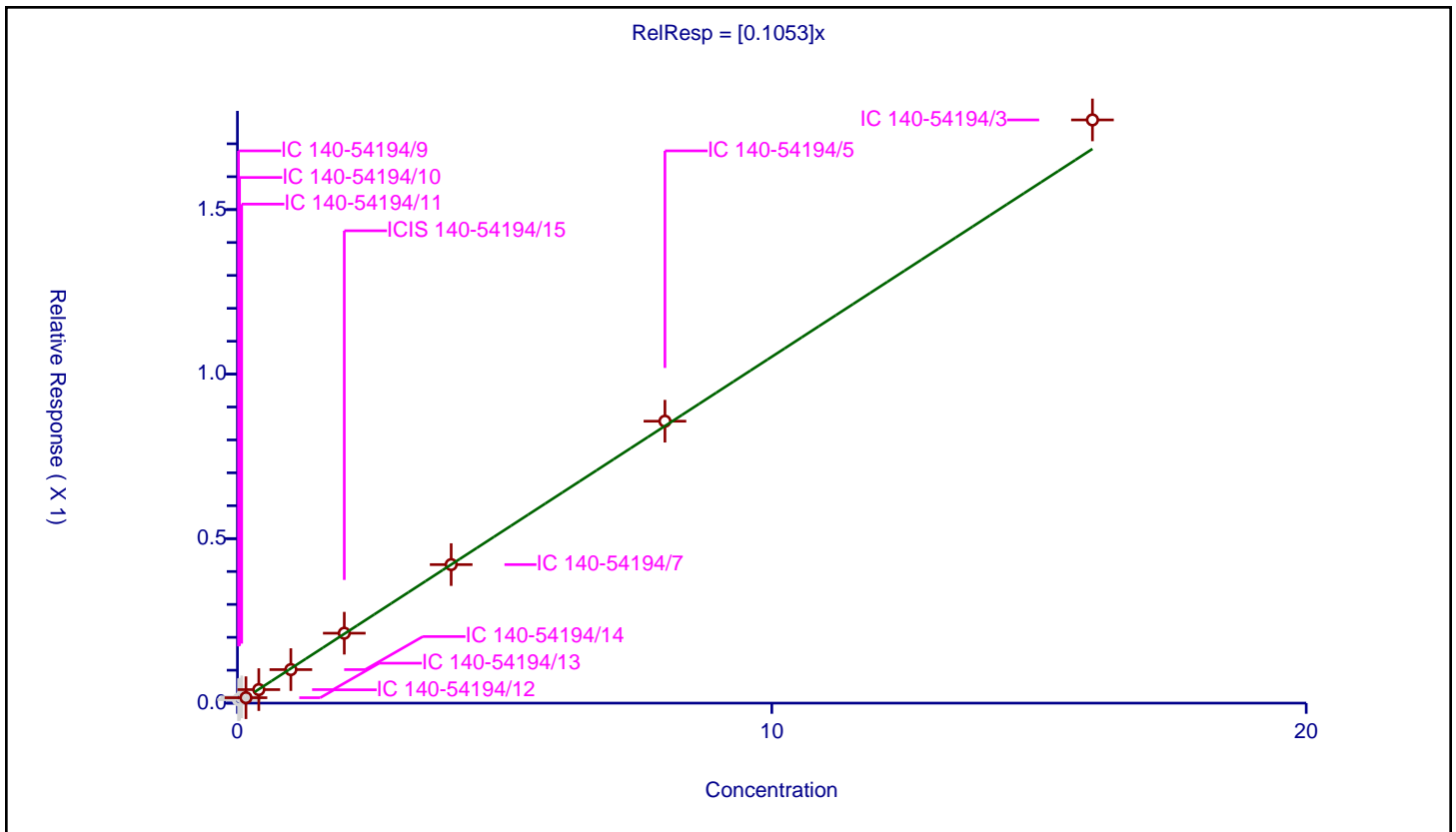
/ n-Butanol

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

Curve Coefficients	
Intercept:	0
Slope:	0.1053

Error Coefficients	
Standard Error:	219000
Relative Standard Error:	3.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.010569	4.8	1334813.0	0.528434	N
2	IC 140-54194/10	0.04	0.011773	4.8	1292857.0	0.294325	N
3	IC 140-54194/11	0.08	0.018967	4.8	1276722.0	0.237092	N
4	IC 140-54194/12	0.16	0.016469	4.8	1251221.0	0.102931	Y
5	IC 140-54194/13	0.4	0.041089	4.8	1234207.0	0.102722	Y
6	IC 140-54194/14	1.0	0.101891	4.8	1167742.0	0.101891	Y
7	ICIS 140-54194/15	2.0	0.21249	4.8	1209225.0	0.106245	Y
8	IC 140-54194/7	4.0	0.421043	4.8	1267572.0	0.105261	Y
9	IC 140-54194/5	8.0	0.856907	4.8	1363186.0	0.107113	Y
10	IC 140-54194/3	16.0	1.772594	4.8	1248218.0	0.110787	Y



Calibration

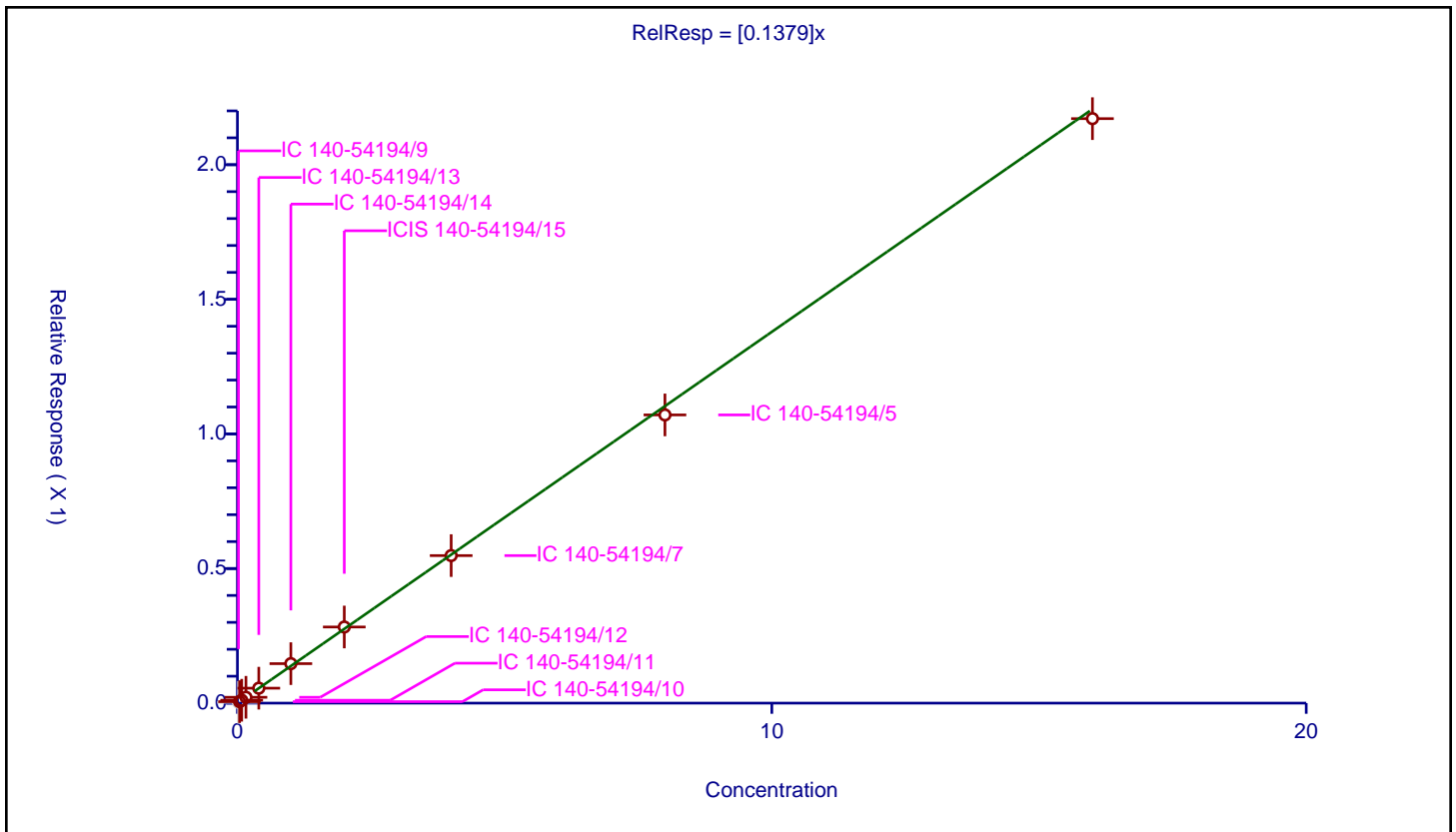
/ Cyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1379

Error Coefficients	
Standard Error:	234000
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 140-54194/9	0.02	0.003161	4.8	1334813.0	0.158045	N
2	IC 140-54194/10	0.04	0.005495	4.8	1292857.0	0.13737	Y
3	IC 140-54194/11	0.08	0.010764	4.8	1276722.0	0.134548	Y
4	IC 140-54194/12	0.16	0.021725	4.8	1251221.0	0.135779	Y
5	IC 140-54194/13	0.4	0.055541	4.8	1234207.0	0.138852	Y
6	IC 140-54194/14	1.0	0.14672	4.8	1167742.0	0.14672	Y
7	ICIS 140-54194/15	2.0	0.282842	4.8	1209225.0	0.141421	Y
8	IC 140-54194/7	4.0	0.548078	4.8	1267572.0	0.137019	Y
9	IC 140-54194/5	8.0	1.07062	4.8	1363186.0	0.133828	Y
10	IC 140-54194/3	16.0	2.171167	4.8	1248218.0	0.135698	Y



Calibration

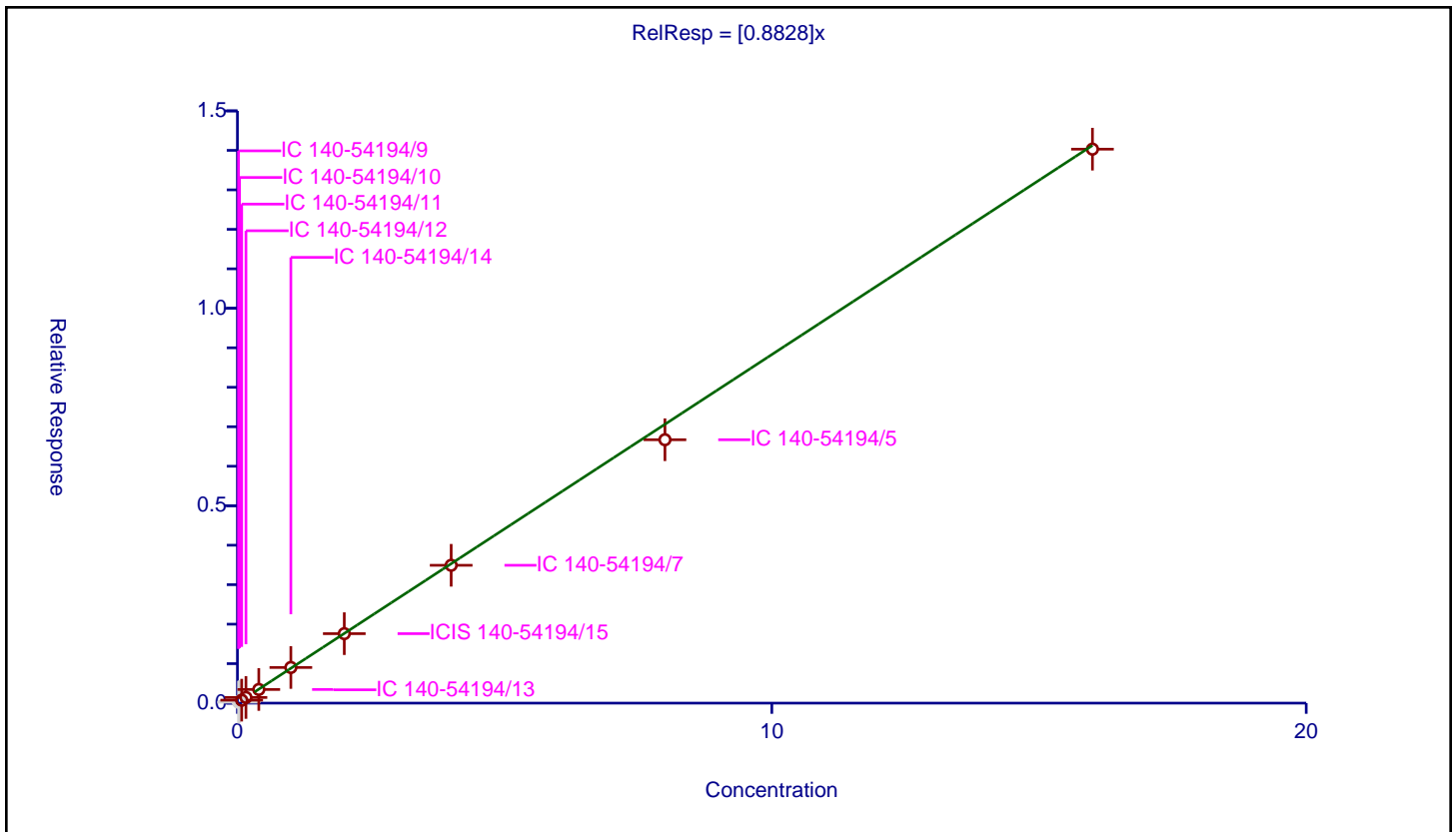
/ Benzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8828

Error Coefficients	
Standard Error:	1600000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.024075	4.8	1334813.0	1.203764	N
2	IC 140-54194/10	0.04	0.043372	4.8	1292857.0	1.084296	N
3	IC 140-54194/11	0.08	0.07508	4.8	1276722.0	0.938497	Y
4	IC 140-54194/12	0.16	0.143042	4.8	1251221.0	0.894015	Y
5	IC 140-54194/13	0.4	0.345441	4.8	1234207.0	0.863602	Y
6	IC 140-54194/14	1.0	0.903138	4.8	1167742.0	0.903138	Y
7	ICIS 140-54194/15	2.0	1.759407	4.8	1209225.0	0.879703	Y
8	IC 140-54194/7	4.0	3.491104	4.8	1267572.0	0.872776	Y
9	IC 140-54194/5	8.0	6.670787	4.8	1363186.0	0.833848	Y
10	IC 140-54194/3	16.0	14.030676	4.8	1248218.0	0.876917	Y



Calibration

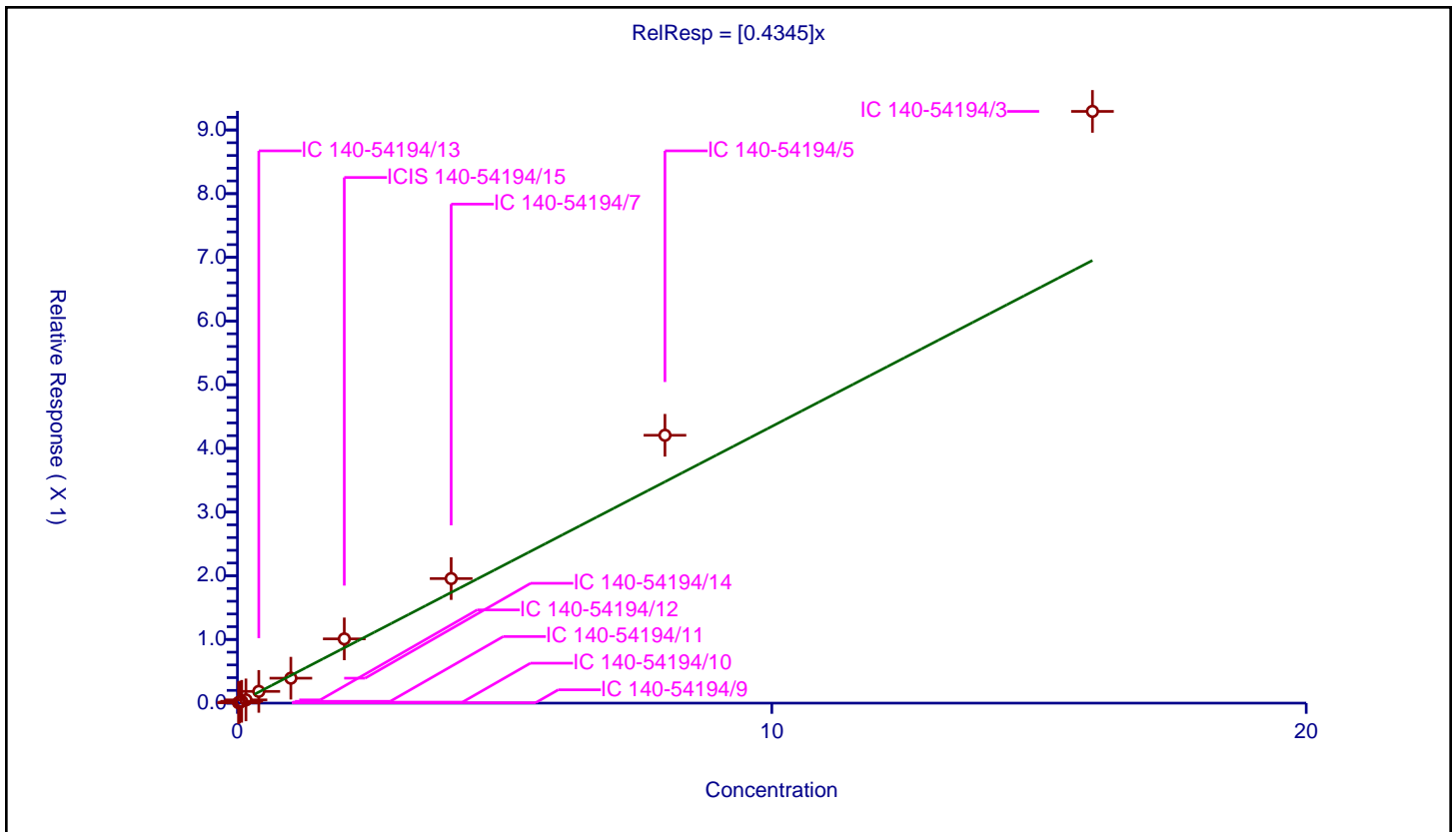
/ Carbon tetrachloride

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

Curve Coefficients	
Intercept:	0
Slope:	0.4345

Error Coefficients	
Standard Error:	919000
Relative Standard Error:	20.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.00644	4.8	1334813.0	0.322023	Y
2	IC 140-54194/10	0.04	0.01572	4.8	1292857.0	0.39299	Y
3	IC 140-54194/11	0.08	0.028693	4.8	1276722.0	0.358669	Y
4	IC 140-54194/12	0.16	0.051011	4.8	1251221.0	0.318817	Y
5	IC 140-54194/13	0.4	0.184275	4.8	1234207.0	0.460688	Y
6	IC 140-54194/14	1.0	0.391759	4.8	1167742.0	0.391759	Y
7	ICIS 140-54194/15	2.0	1.008773	4.8	1209225.0	0.504387	Y
8	IC 140-54194/7	4.0	1.955983	4.8	1267572.0	0.488996	Y
9	IC 140-54194/5	8.0	4.206554	4.8	1363186.0	0.525819	Y
10	IC 140-54194/3	16.0	9.291935	4.8	1248218.0	0.580746	Y



Calibration

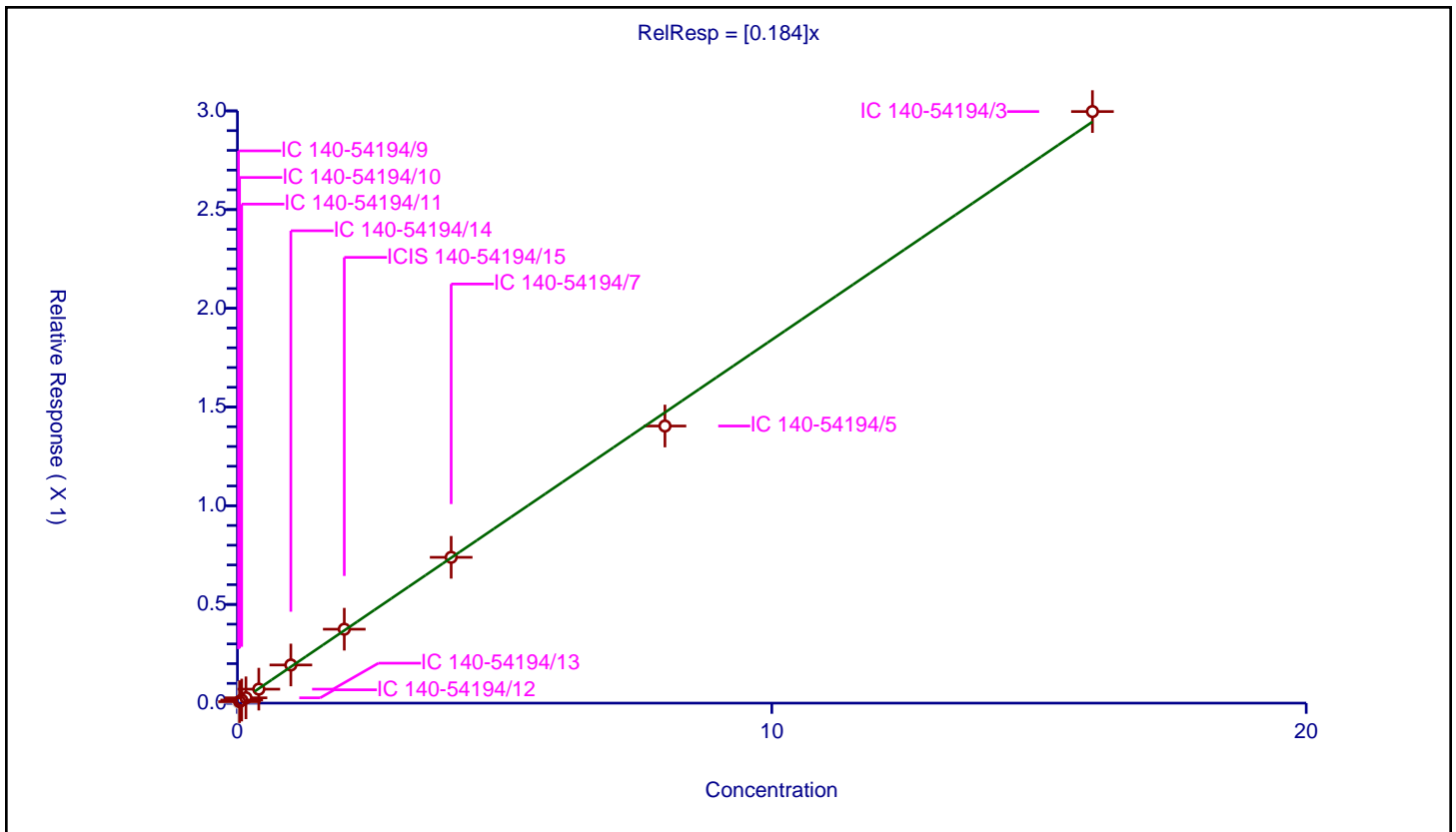
/ 2,3-Dimethylpentane

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

Curve Coefficients	
Intercept:	0
Slope:	0.184

Error Coefficients	
Standard Error:	319000
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 140-54194/9	0.02	0.004258	4.8	1334813.0	0.212884	N
2	IC 140-54194/10	0.04	0.007518	4.8	1292857.0	0.187956	Y
3	IC 140-54194/11	0.08	0.015633	4.8	1276722.0	0.195407	Y
4	IC 140-54194/12	0.16	0.026892	4.8	1251221.0	0.168076	Y
5	IC 140-54194/13	0.4	0.070829	4.8	1234207.0	0.177072	Y
6	IC 140-54194/14	1.0	0.19328	4.8	1167742.0	0.19328	Y
7	ICIS 140-54194/15	2.0	0.374489	4.8	1209225.0	0.187245	Y
8	IC 140-54194/7	4.0	0.738613	4.8	1267572.0	0.184653	Y
9	IC 140-54194/5	8.0	1.403669	4.8	1363186.0	0.175459	Y
10	IC 140-54194/3	16.0	2.996627	4.8	1248218.0	0.187289	Y



Calibration

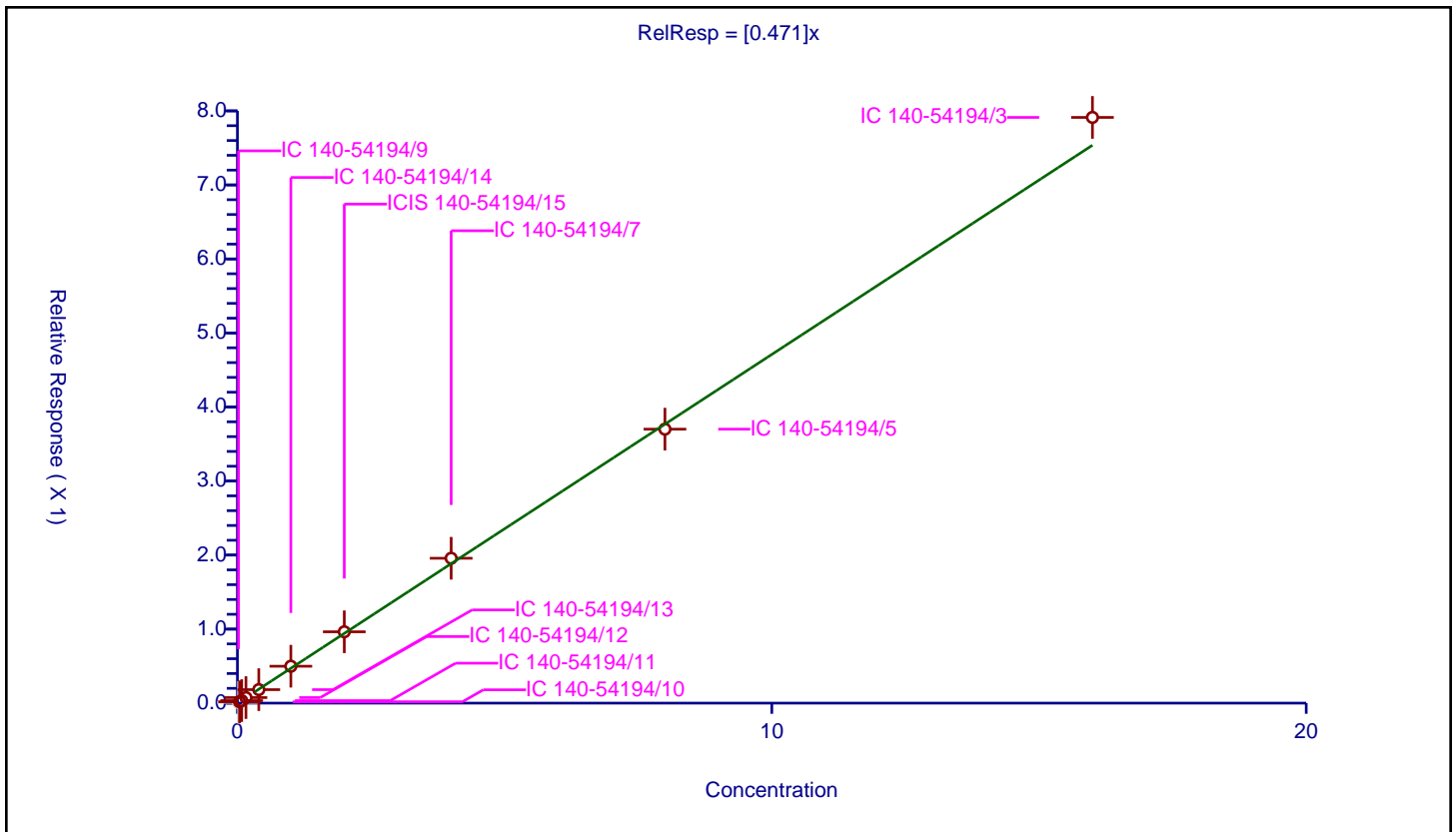
/ Thiophene

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

Curve Coefficients	
Intercept:	0
Slope:	0.471

Error Coefficients	
Standard Error:	843000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.010126	4.8	1334813.0	0.506318	N
2	IC 140-54194/10	0.04	0.018526	4.8	1292857.0	0.46316	Y
3	IC 140-54194/11	0.08	0.034036	4.8	1276722.0	0.425449	Y
4	IC 140-54194/12	0.16	0.074995	4.8	1251221.0	0.468718	Y
5	IC 140-54194/13	0.4	0.182058	4.8	1234207.0	0.455146	Y
6	IC 140-54194/14	1.0	0.498484	4.8	1167742.0	0.498484	Y
7	ICIS 140-54194/15	2.0	0.963557	4.8	1209225.0	0.481778	Y
8	IC 140-54194/7	4.0	1.95696	4.8	1267572.0	0.48924	Y
9	IC 140-54194/5	8.0	3.700654	4.8	1363186.0	0.462582	Y
10	IC 140-54194/3	16.0	7.911837	4.8	1248218.0	0.49449	Y



Calibration

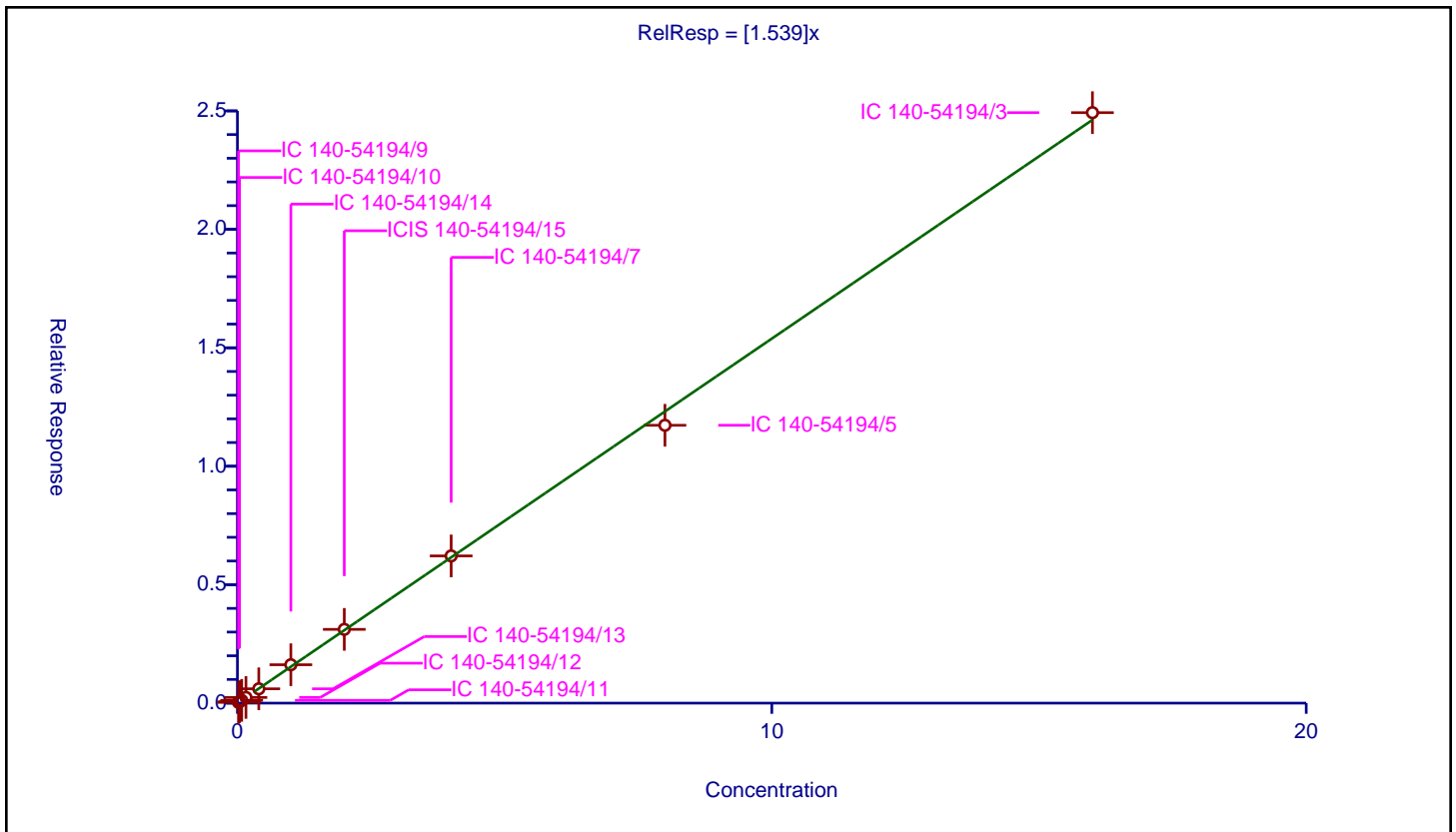
/ Isooctane

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

Curve Coefficients	
Intercept:	0
Slope:	1.539

Error Coefficients	
Standard Error:	2510000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.031505	4.8	1334813.0	1.575232	Y
2	IC 140-54194/10	0.04	0.06342	4.8	1292857.0	1.585512	Y
3	IC 140-54194/11	0.08	0.117124	4.8	1276722.0	1.464046	Y
4	IC 140-54194/12	0.16	0.239497	4.8	1251221.0	1.496858	Y
5	IC 140-54194/13	0.4	0.604325	4.8	1234207.0	1.510813	Y
6	IC 140-54194/14	1.0	1.620218	4.8	1167742.0	1.620218	Y
7	ICIS 140-54194/15	2.0	3.1142	4.8	1209225.0	1.5571	Y
8	IC 140-54194/7	4.0	6.213945	4.8	1267572.0	1.553486	Y
9	IC 140-54194/5	8.0	11.729339	4.8	1363186.0	1.466167	Y
10	IC 140-54194/3	16.0	24.926007	4.8	1248218.0	1.557875	Y



Calibration

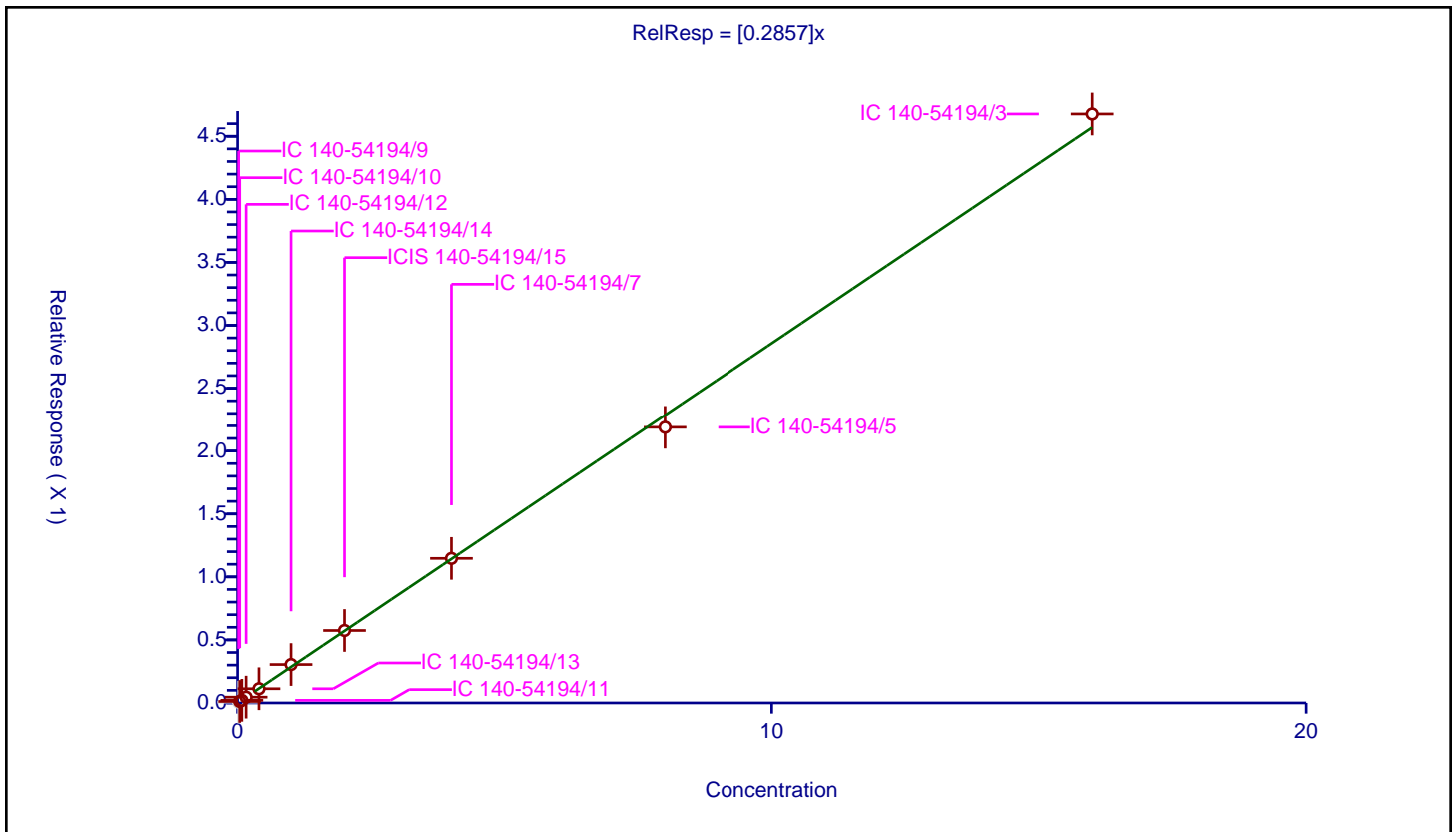
/ n-Heptane

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

Curve Coefficients	
Intercept:	0
Slope:	0.2857

Error Coefficients	
Standard Error:	498000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.006225	4.8	1334813.0	0.311235	N
2	IC 140-54194/10	0.04	0.011907	4.8	1292857.0	0.297666	Y
3	IC 140-54194/11	0.08	0.020821	4.8	1276722.0	0.26026	Y
4	IC 140-54194/12	0.16	0.046016	4.8	1251221.0	0.287599	Y
5	IC 140-54194/13	0.4	0.112451	4.8	1234207.0	0.281126	Y
6	IC 140-54194/14	1.0	0.304423	4.8	1167742.0	0.304423	Y
7	ICIS 140-54194/15	2.0	0.574615	4.8	1209225.0	0.287307	Y
8	IC 140-54194/7	4.0	1.146913	4.8	1267572.0	0.286728	Y
9	IC 140-54194/5	8.0	2.188554	4.8	1363186.0	0.273569	Y
10	IC 140-54194/3	16.0	4.676664	4.8	1248218.0	0.292291	Y



Calibration

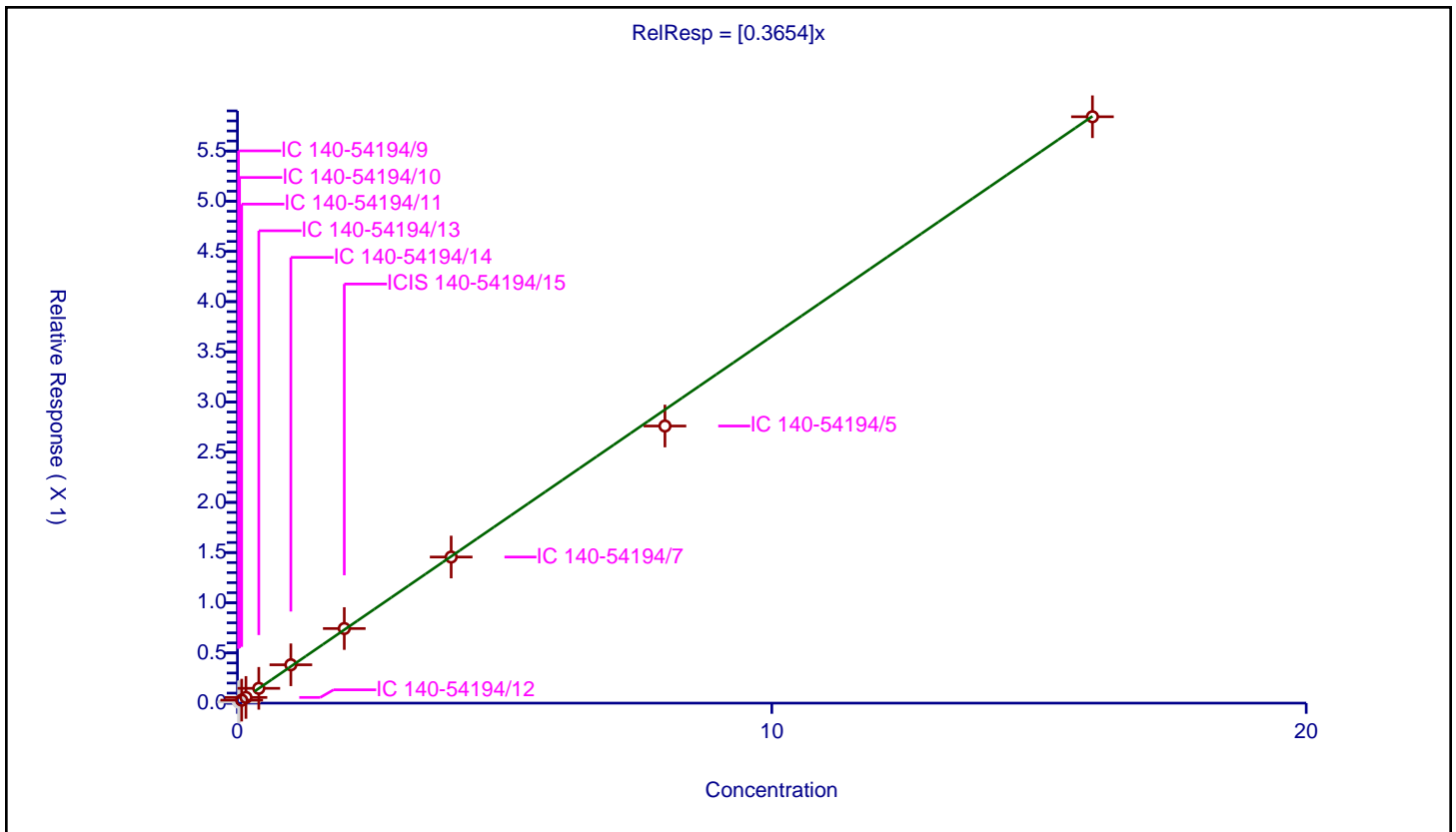
/ 1,2-Dichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3654

Error Coefficients	
Standard Error:	667000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.011054	4.8	1334813.0	0.552707	N
2	IC 140-54194/10	0.04	0.016484	4.8	1292857.0	0.412111	N
3	IC 140-54194/11	0.08	0.02978	4.8	1276722.0	0.37225	Y
4	IC 140-54194/12	0.16	0.056761	4.8	1251221.0	0.354757	Y
5	IC 140-54194/13	0.4	0.147507	4.8	1234207.0	0.368768	Y
6	IC 140-54194/14	1.0	0.38203	4.8	1167742.0	0.38203	Y
7	ICIS 140-54194/15	2.0	0.743091	4.8	1209225.0	0.371546	Y
8	IC 140-54194/7	4.0	1.455489	4.8	1267572.0	0.363872	Y
9	IC 140-54194/5	8.0	2.760733	4.8	1363186.0	0.345092	Y
10	IC 140-54194/3	16.0	5.841587	4.8	1248218.0	0.365099	Y



Calibration

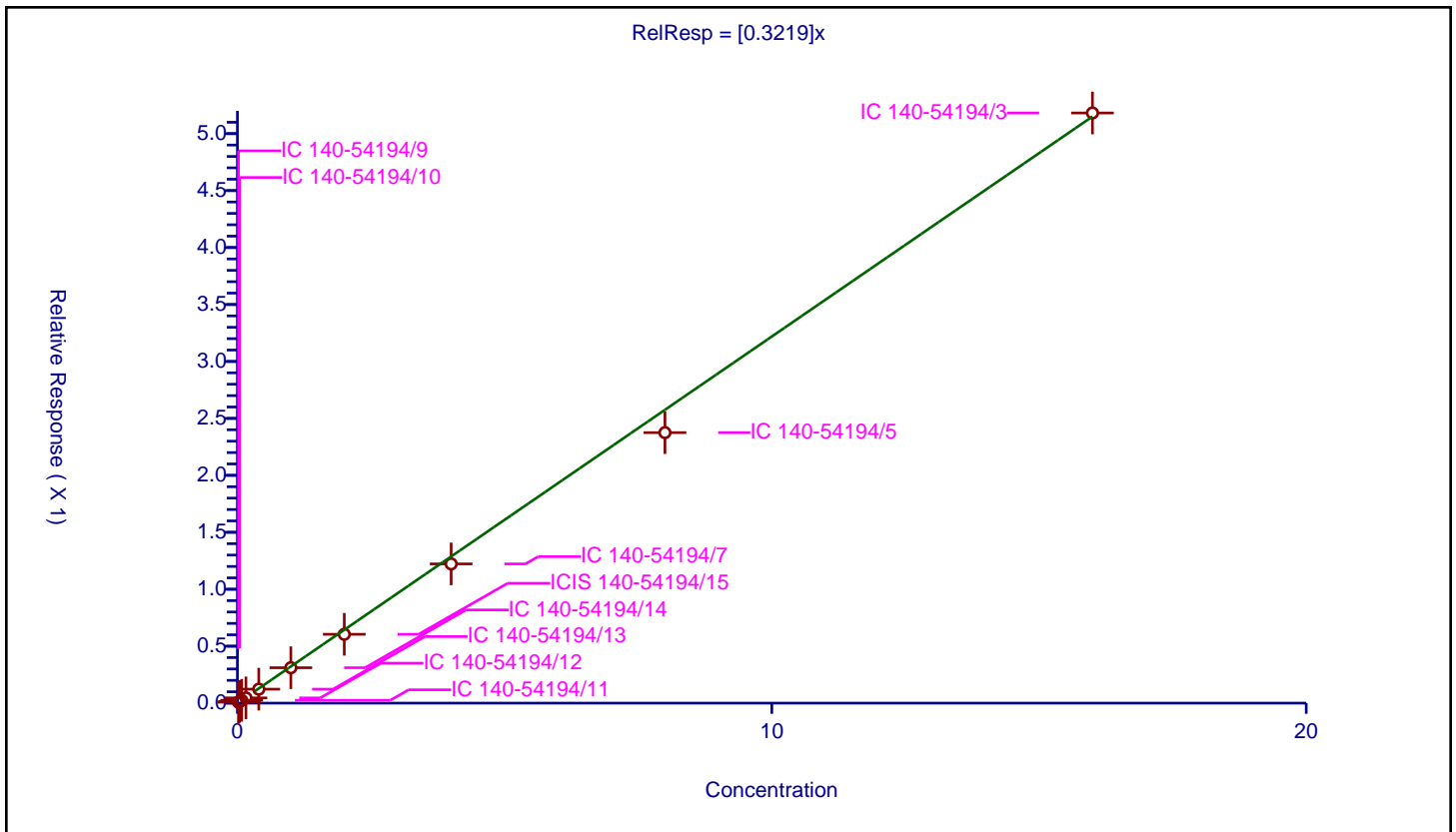
/ Trichloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3219

Error Coefficients	
Standard Error:	517000
Relative Standard Error:	11.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.008325	4.8	1334813.0	0.416238	Y
2	IC 140-54194/10	0.04	0.014376	4.8	1292857.0	0.35939	Y
3	IC 140-54194/11	0.08	0.024829	4.8	1276722.0	0.310357	Y
4	IC 140-54194/12	0.16	0.045951	4.8	1251221.0	0.287191	Y
5	IC 140-54194/13	0.4	0.122551	4.8	1234207.0	0.306376	Y
6	IC 140-54194/14	1.0	0.310856	4.8	1167742.0	0.310856	Y
7	ICIS 140-54194/15	2.0	0.60437	4.8	1209225.0	0.302185	Y
8	IC 140-54194/7	4.0	1.222403	4.8	1267572.0	0.305601	Y
9	IC 140-54194/5	8.0	2.375088	4.8	1363186.0	0.296886	Y
10	IC 140-54194/3	16.0	5.181622	4.8	1248218.0	0.323851	Y



Calibration

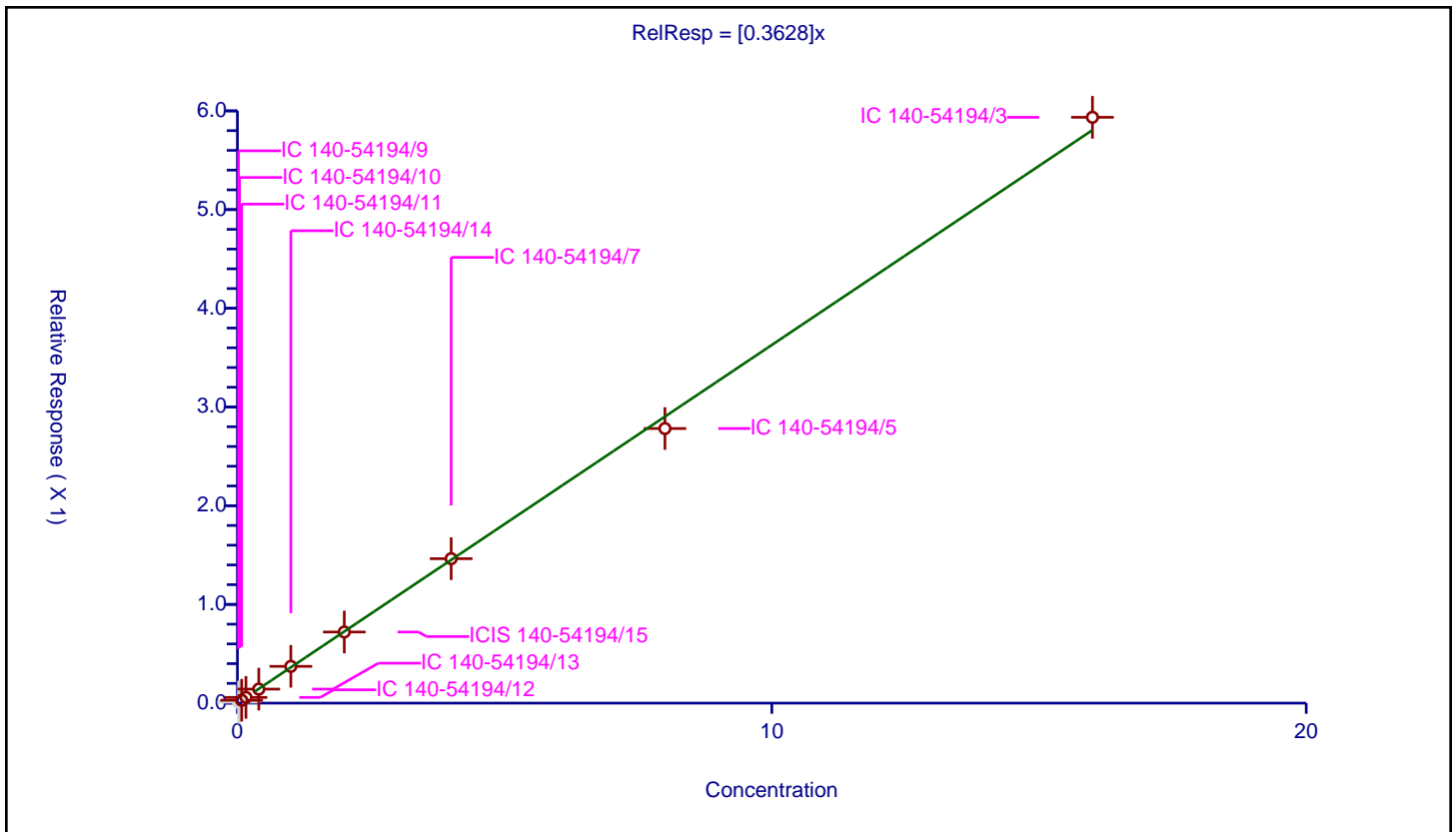
/ Dibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3628

Error Coefficients	
Standard Error:	676000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.009619	4.8	1334813.0	0.480966	N
2	IC 140-54194/10	0.04	0.016882	4.8	1292857.0	0.422042	N
3	IC 140-54194/11	0.08	0.029453	4.8	1276722.0	0.368162	Y
4	IC 140-54194/12	0.16	0.057954	4.8	1251221.0	0.362214	Y
5	IC 140-54194/13	0.4	0.142008	4.8	1234207.0	0.35502	Y
6	IC 140-54194/14	1.0	0.372526	4.8	1167742.0	0.372526	Y
7	ICIS 140-54194/15	2.0	0.7207	4.8	1209225.0	0.36035	Y
8	IC 140-54194/7	4.0	1.463298	4.8	1267572.0	0.365824	Y
9	IC 140-54194/5	8.0	2.782039	4.8	1363186.0	0.347755	Y
10	IC 140-54194/3	16.0	5.934894	4.8	1248218.0	0.370931	Y



Calibration

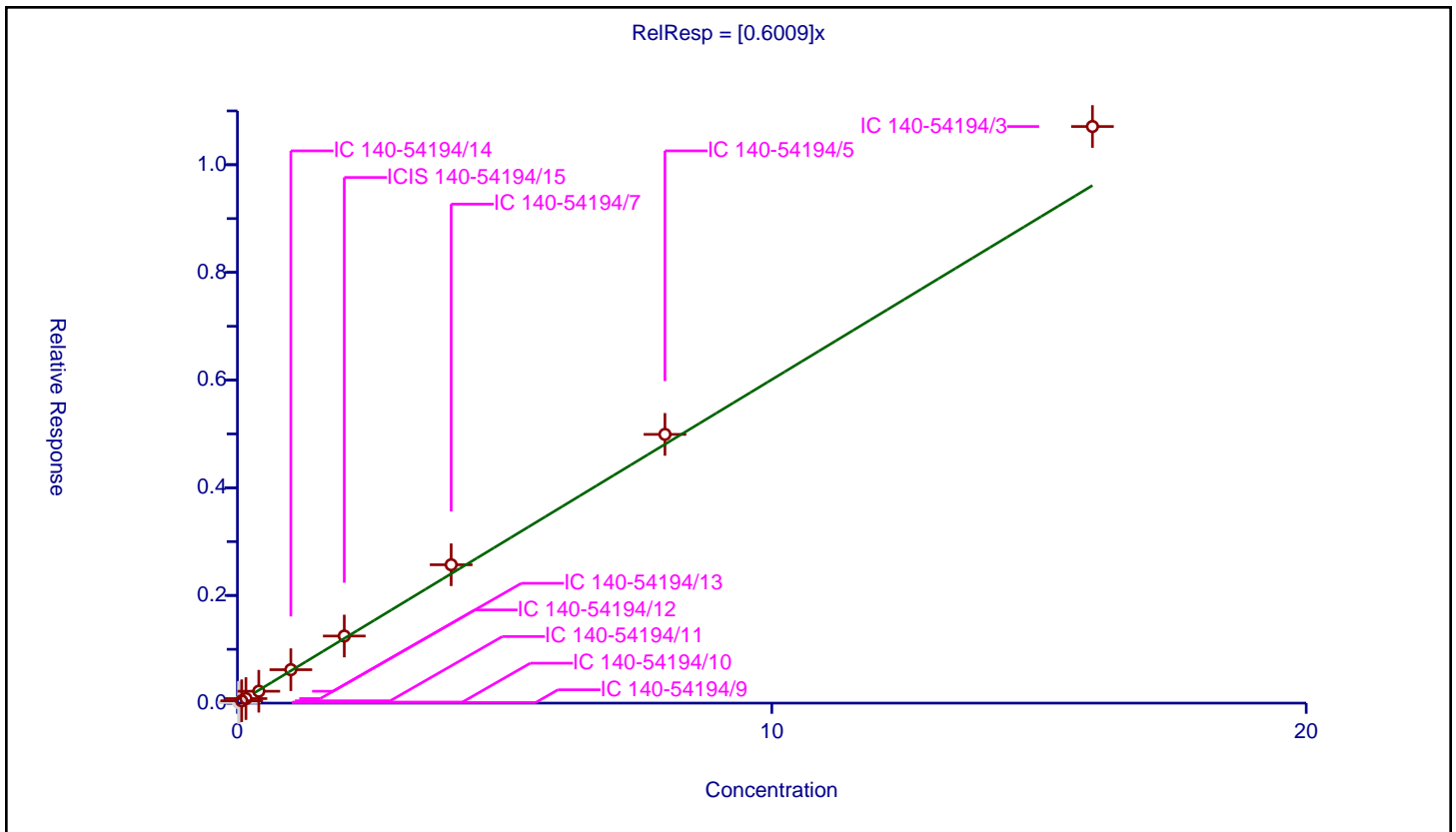
/ Dichlorobromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.6009

Error Coefficients	
Standard Error:	1220000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.010853	4.8	1334813.0	0.542638	N
2	IC 140-54194/10	0.04	0.019547	4.8	1292857.0	0.488685	N
3	IC 140-54194/11	0.08	0.043826	4.8	1276722.0	0.547825	Y
4	IC 140-54194/12	0.16	0.084271	4.8	1251221.0	0.526694	Y
5	IC 140-54194/13	0.4	0.221086	4.8	1234207.0	0.552714	Y
6	IC 140-54194/14	1.0	0.621059	4.8	1167742.0	0.621059	Y
7	ICIS 140-54194/15	2.0	1.246577	4.8	1209225.0	0.623288	Y
8	IC 140-54194/7	4.0	2.57017	4.8	1267572.0	0.642542	Y
9	IC 140-54194/5	8.0	4.991639	4.8	1363186.0	0.623955	Y
10	IC 140-54194/3	16.0	10.710079	4.8	1248218.0	0.66938	Y



Calibration

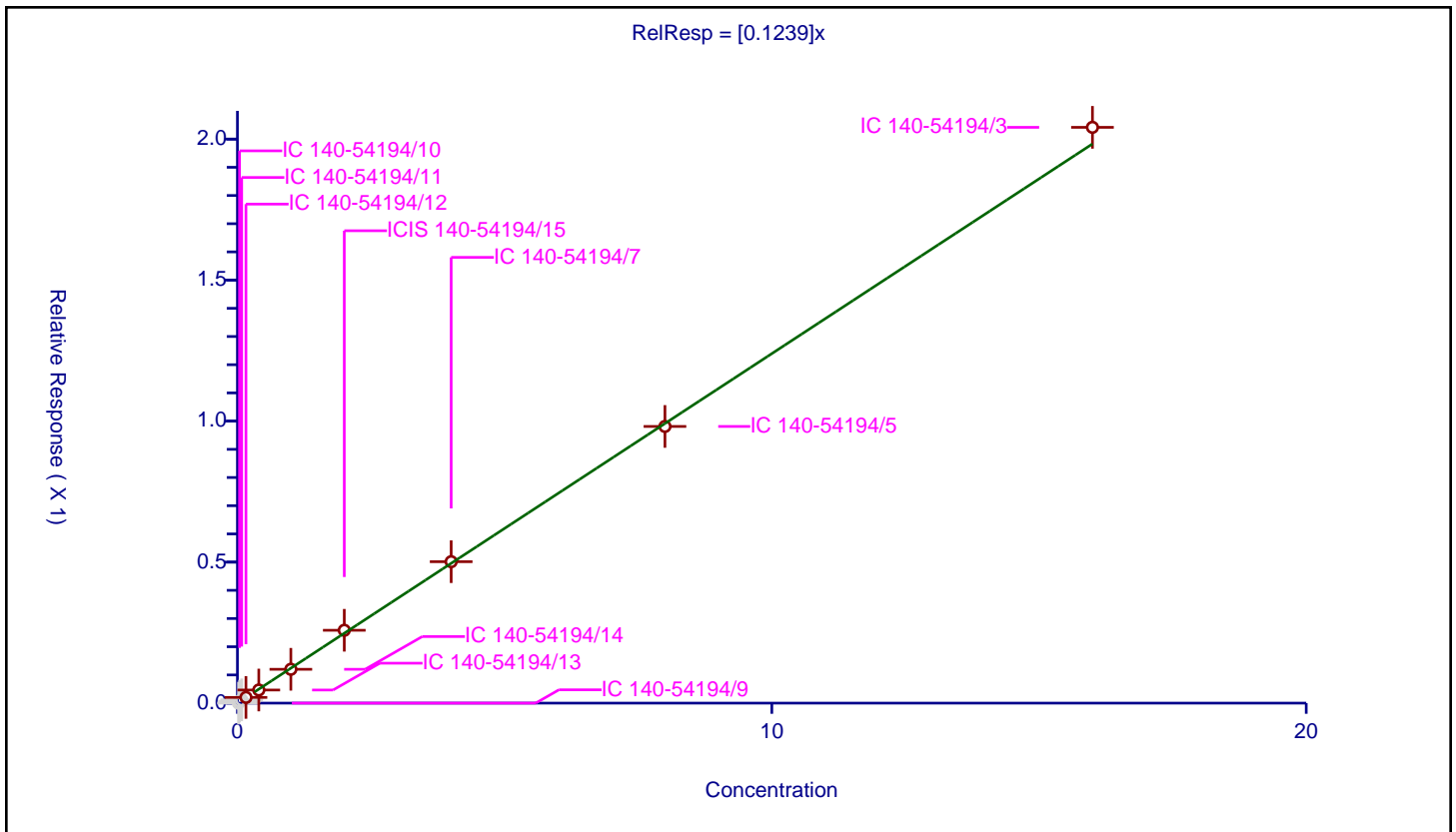
/ 1,4-Dioxane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1239

Error Coefficients	
Standard Error:	252000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.0	4.8	1334813.0	0.0	N
2	IC 140-54194/10	0.04	0.006924	4.8	1292857.0	0.173105	N
3	IC 140-54194/11	0.08	0.011666	4.8	1276722.0	0.145827	N
4	IC 140-54194/12	0.16	0.020225	4.8	1251221.0	0.126405	Y
5	IC 140-54194/13	0.4	0.04653	4.8	1234207.0	0.116324	Y
6	IC 140-54194/14	1.0	0.119981	4.8	1167742.0	0.119981	Y
7	ICIS 140-54194/15	2.0	0.258378	4.8	1209225.0	0.129189	Y
8	IC 140-54194/7	4.0	0.501501	4.8	1267572.0	0.125375	Y
9	IC 140-54194/5	8.0	0.98107	4.8	1363186.0	0.122634	Y
10	IC 140-54194/3	16.0	2.041663	4.8	1248218.0	0.127604	Y



Calibration

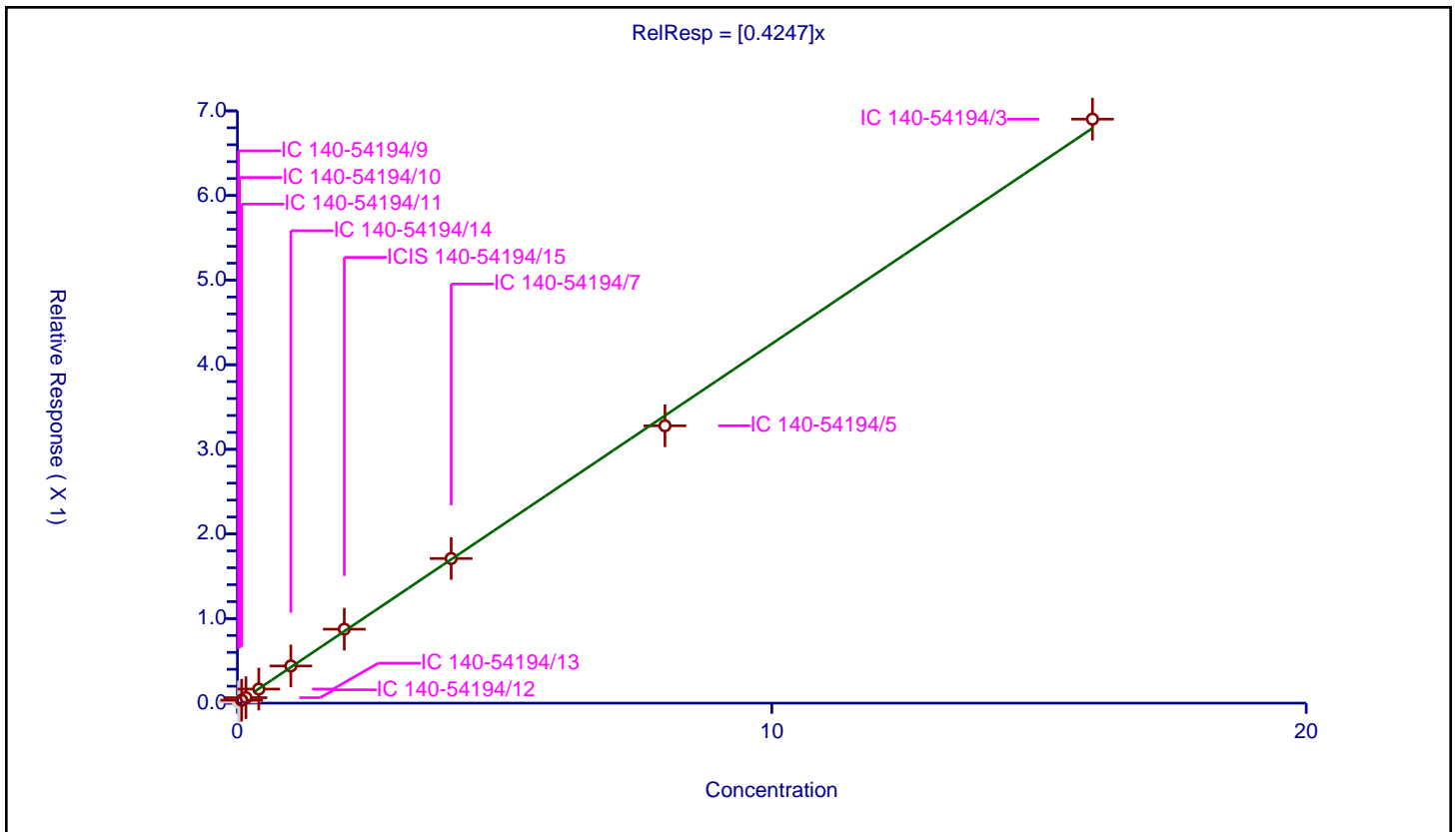
/ Methyl methacrylate

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

Curve Coefficients	
Intercept:	0
Slope:	0.4247

Error Coefficients	
Standard Error:	789000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.011432	4.8	1334813.0	0.571586	N
2	IC 140-54194/10	0.04	0.019243	4.8	1292857.0	0.481074	N
3	IC 140-54194/11	0.08	0.034701	4.8	1276722.0	0.433767	Y
4	IC 140-54194/12	0.16	0.064533	4.8	1251221.0	0.403334	Y
5	IC 140-54194/13	0.4	0.166288	4.8	1234207.0	0.41572	Y
6	IC 140-54194/14	1.0	0.439416	4.8	1167742.0	0.439416	Y
7	ICIS 140-54194/15	2.0	0.874077	4.8	1209225.0	0.437038	Y
8	IC 140-54194/7	4.0	1.709441	4.8	1267572.0	0.42736	Y
9	IC 140-54194/5	8.0	3.278086	4.8	1363186.0	0.409761	Y
10	IC 140-54194/3	16.0	6.902464	4.8	1248218.0	0.431404	Y



Calibration

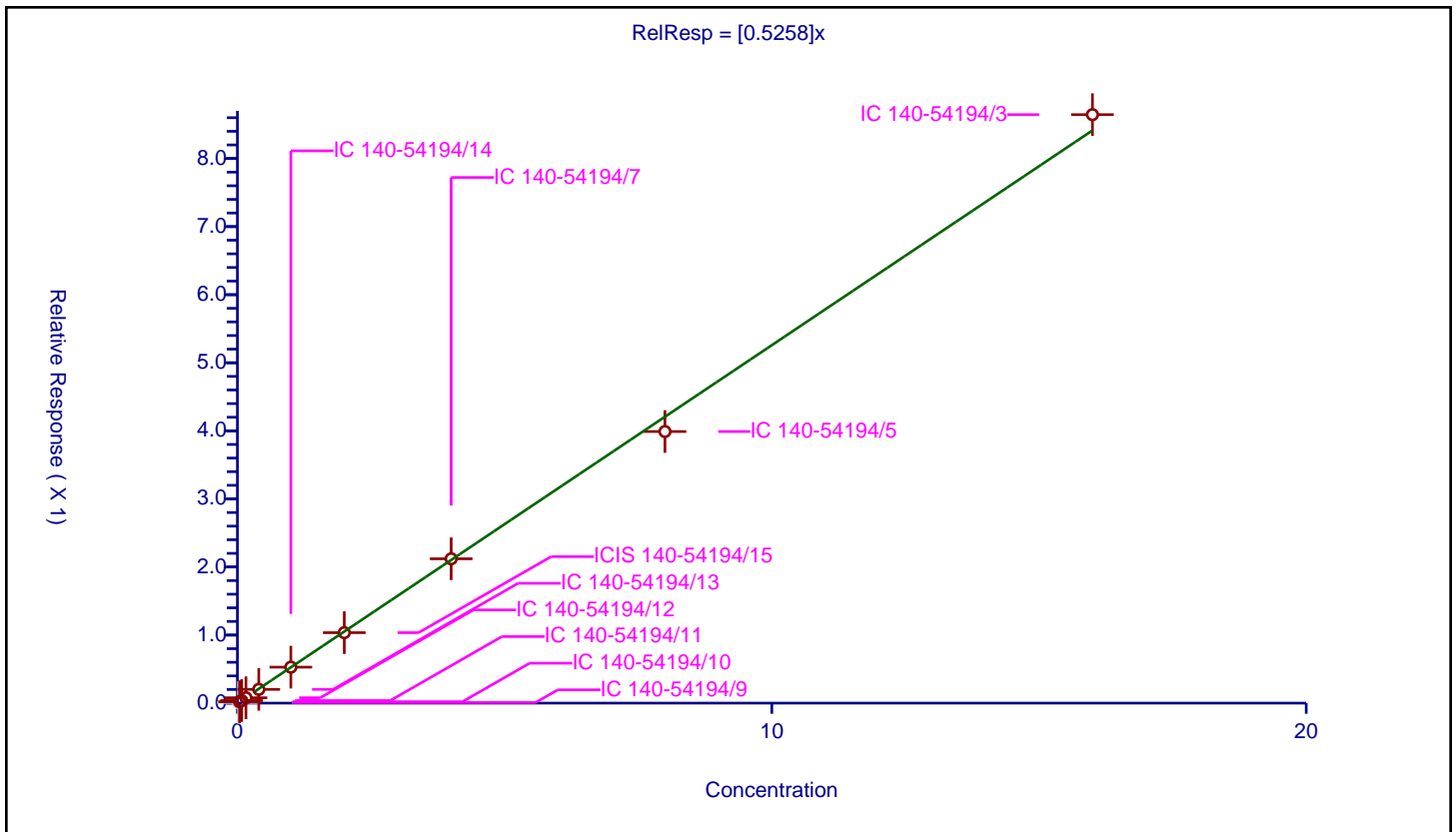
/ Methylcyclohexane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5258

Error Coefficients	
Standard Error:	918000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.009292	4.8	1334813.0	0.464604	N
2	IC 140-54194/10	0.04	0.020903	4.8	1292857.0	0.522564	Y
3	IC 140-54194/11	0.08	0.03757	4.8	1276722.0	0.469625	Y
4	IC 140-54194/12	0.16	0.078847	4.8	1251221.0	0.492791	Y
5	IC 140-54194/13	0.4	0.202227	4.8	1234207.0	0.505568	Y
6	IC 140-54194/14	1.0	0.528203	4.8	1167742.0	0.528203	Y
7	ICIS 140-54194/15	2.0	1.035122	4.8	1209225.0	0.517561	Y
8	IC 140-54194/7	4.0	2.120253	4.8	1267572.0	0.530063	Y
9	IC 140-54194/5	8.0	3.989791	4.8	1363186.0	0.498724	Y
10	IC 140-54194/3	16.0	8.644848	4.8	1248218.0	0.540303	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

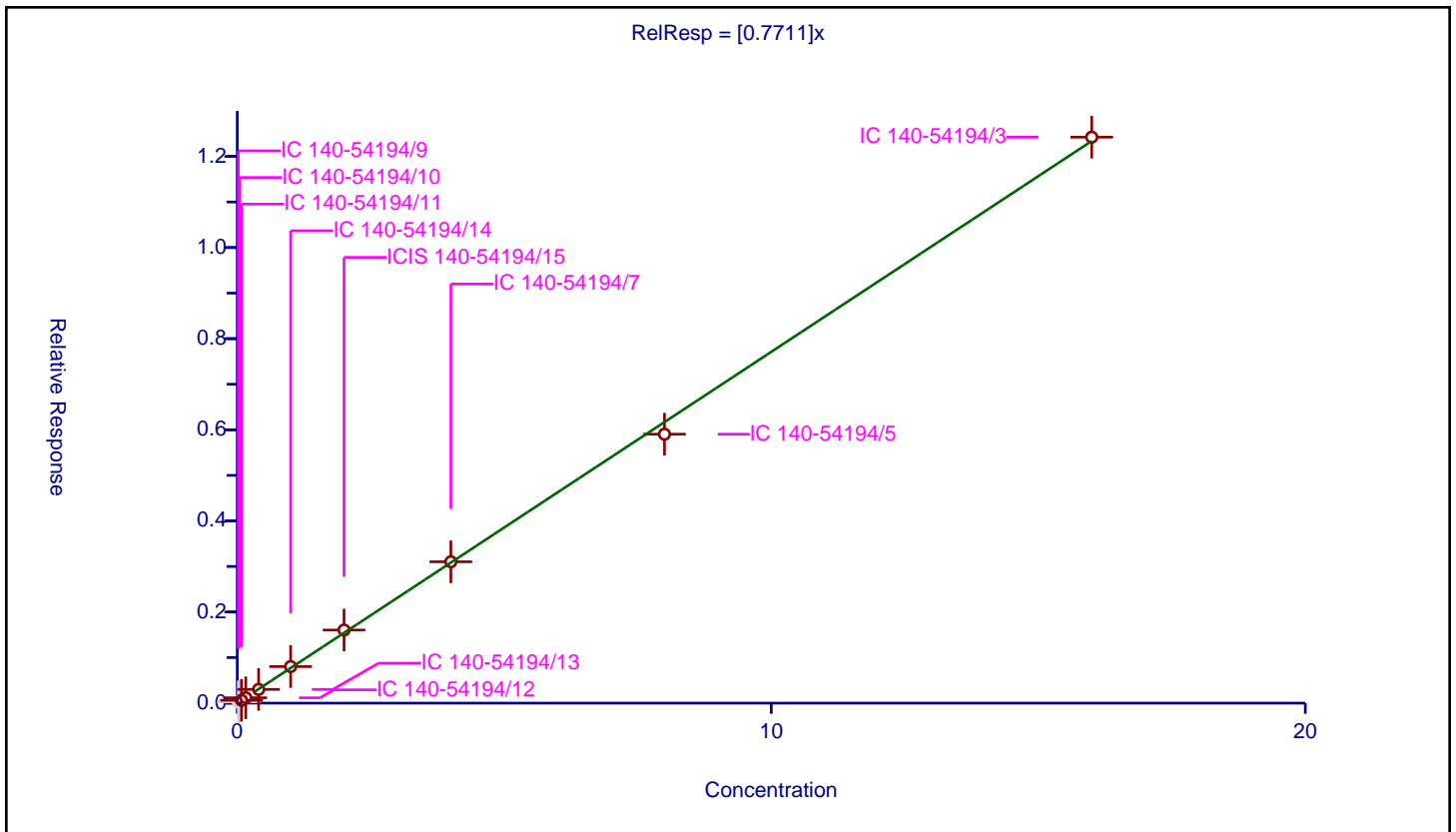
Curve Coefficients

Intercept: 0
 Slope: 0.7711

Error Coefficients

Standard Error: 1420000
 Relative Standard Error: 3.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.027035	4.8	1334813.0	1.35174	N
2	IC 140-54194/10	0.04	0.037294	4.8	1292857.0	0.932354	N
3	IC 140-54194/11	0.08	0.062936	4.8	1276722.0	0.786702	Y
4	IC 140-54194/12	0.16	0.11752	4.8	1251221.0	0.734499	Y
5	IC 140-54194/13	0.4	0.301163	4.8	1234207.0	0.752908	Y
6	IC 140-54194/14	1.0	0.802237	4.8	1167742.0	0.802237	Y
7	ICIS 140-54194/15	2.0	1.604541	4.8	1209225.0	0.802271	Y
8	IC 140-54194/7	4.0	3.103153	4.8	1267572.0	0.775788	Y
9	IC 140-54194/5	8.0	5.903251	4.8	1363186.0	0.737906	Y
10	IC 140-54194/3	16.0	12.422692	4.8	1248218.0	0.776418	Y



Calibration

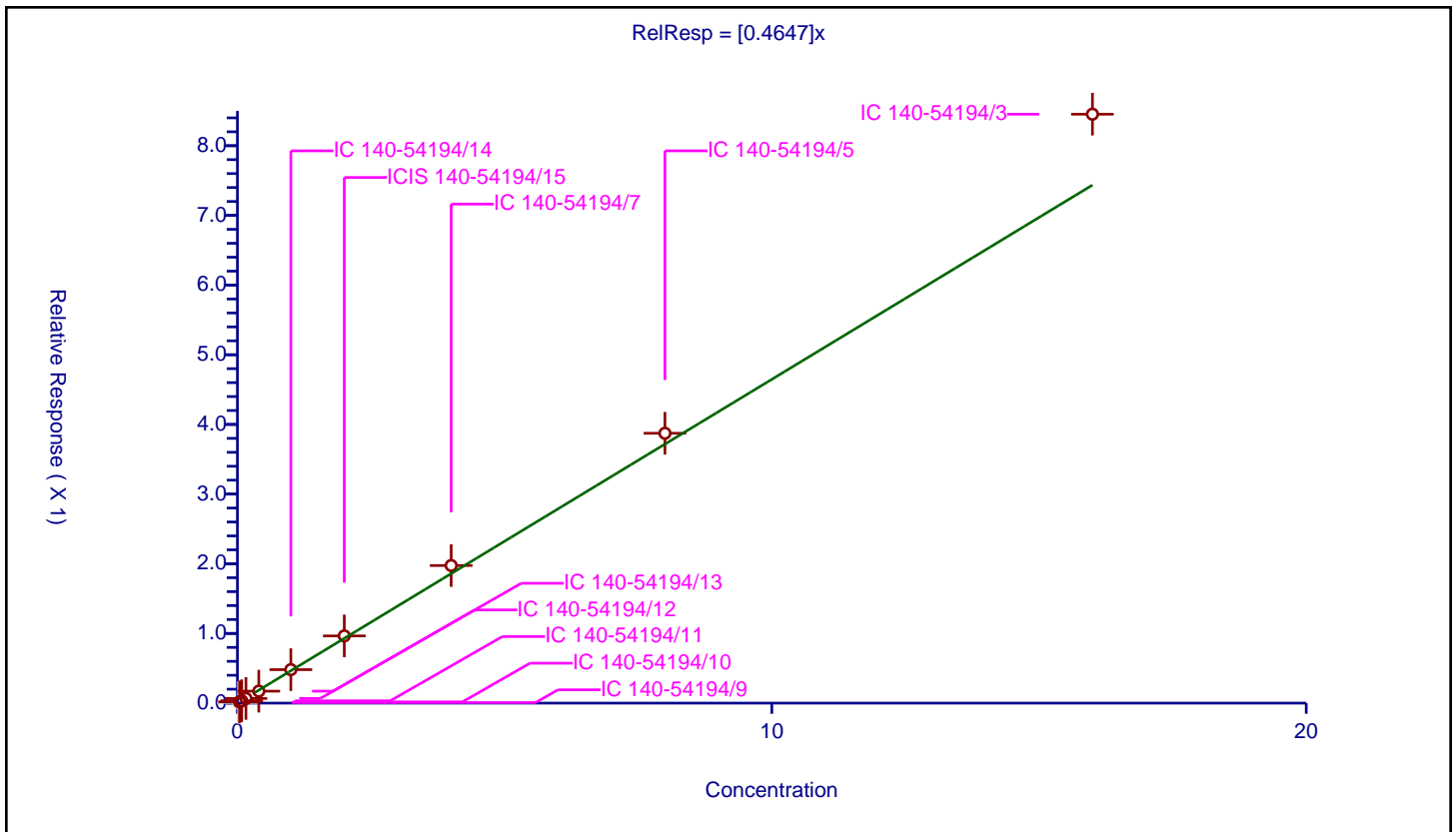
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4647

Error Coefficients	
Standard Error:	894000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.008044	4.8	1334813.0	0.402214	N
2	IC 140-54194/10	0.04	0.017884	4.8	1292857.0	0.447103	Y
3	IC 140-54194/11	0.08	0.033318	4.8	1276722.0	0.416473	Y
4	IC 140-54194/12	0.16	0.067203	4.8	1251221.0	0.420022	Y
5	IC 140-54194/13	0.4	0.171845	4.8	1234207.0	0.429614	Y
6	IC 140-54194/14	1.0	0.480682	4.8	1167742.0	0.480682	Y
7	ICIS 140-54194/15	2.0	0.96462	4.8	1209225.0	0.48231	Y
8	IC 140-54194/7	4.0	1.974848	4.8	1267572.0	0.493712	Y
9	IC 140-54194/5	8.0	3.873019	4.8	1363186.0	0.484127	Y
10	IC 140-54194/3	16.0	8.452708	4.8	1248218.0	0.528294	Y



Calibration

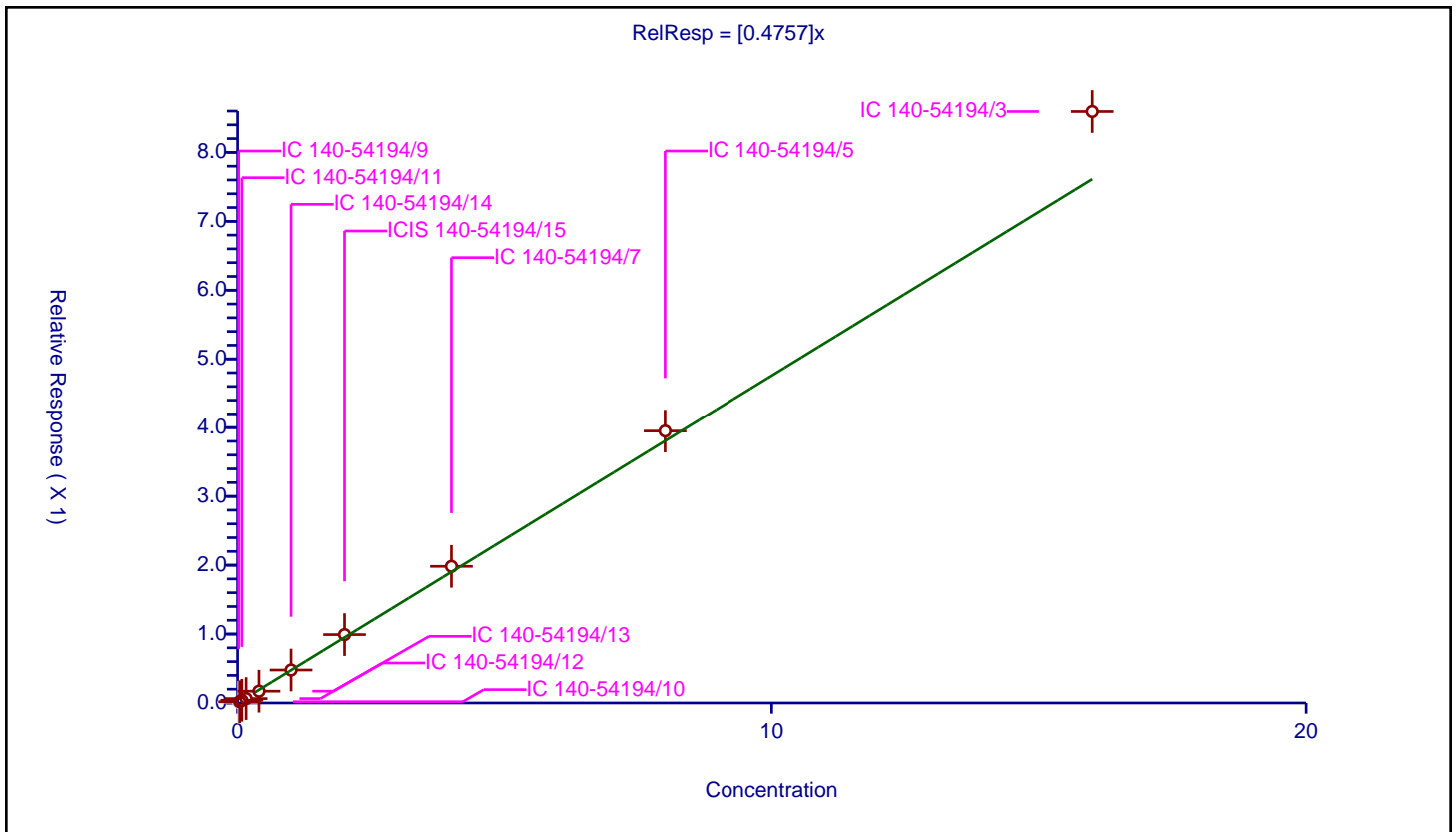
/ trans-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.4757

Error Coefficients	
Standard Error:	833000
Relative Standard Error:	8.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.010722	4.8	1142935.0	0.536093	N
2	IC 140-54194/10	0.04	0.018395	4.8	1100647.0	0.459875	Y
3	IC 140-54194/11	0.08	0.039694	4.8	1095950.0	0.496172	Y
4	IC 140-54194/12	0.16	0.063466	4.8	1085079.0	0.396662	Y
5	IC 140-54194/13	0.4	0.171181	4.8	1065707.0	0.427953	Y
6	IC 140-54194/14	1.0	0.47819	4.8	1013864.0	0.47819	Y
7	ICIS 140-54194/15	2.0	0.992296	4.8	1045014.0	0.496148	Y
8	IC 140-54194/7	4.0	1.983101	4.8	1145953.0	0.495775	Y
9	IC 140-54194/5	8.0	3.949817	4.8	1238986.0	0.493727	Y
10	IC 140-54194/3	16.0	8.593474	4.8	1148651.0	0.537092	Y



Calibration

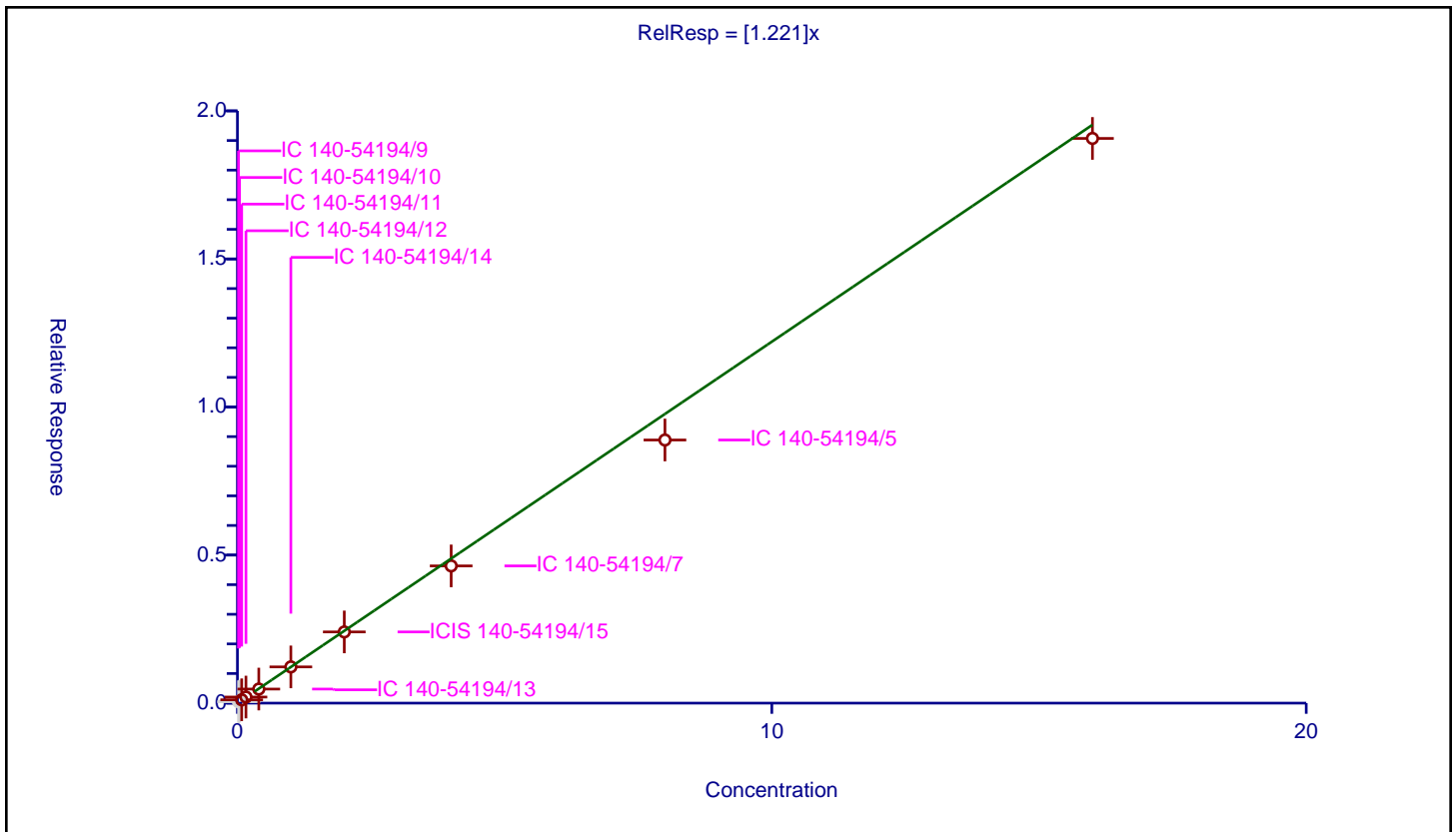
/ Toluene

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

Curve Coefficients	
Intercept:	0
Slope:	1.221

Error Coefficients	
Standard Error:	1990000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.04778	4.8	1142935.0	2.389007	N
2	IC 140-54194/10	0.04	0.066524	4.8	1100647.0	1.663095	N
3	IC 140-54194/11	0.08	0.112586	4.8	1095950.0	1.407327	Y
4	IC 140-54194/12	0.16	0.205089	4.8	1085079.0	1.281805	Y
5	IC 140-54194/13	0.4	0.475214	4.8	1065707.0	1.188034	Y
6	IC 140-54194/14	1.0	1.223686	4.8	1013864.0	1.223686	Y
7	ICIS 140-54194/15	2.0	2.404419	4.8	1045014.0	1.202209	Y
8	IC 140-54194/7	4.0	4.634707	4.8	1145953.0	1.158677	Y
9	IC 140-54194/5	8.0	8.885501	4.8	1238986.0	1.110688	Y
10	IC 140-54194/3	16.0	19.070285	4.8	1148651.0	1.191893	Y



Calibration

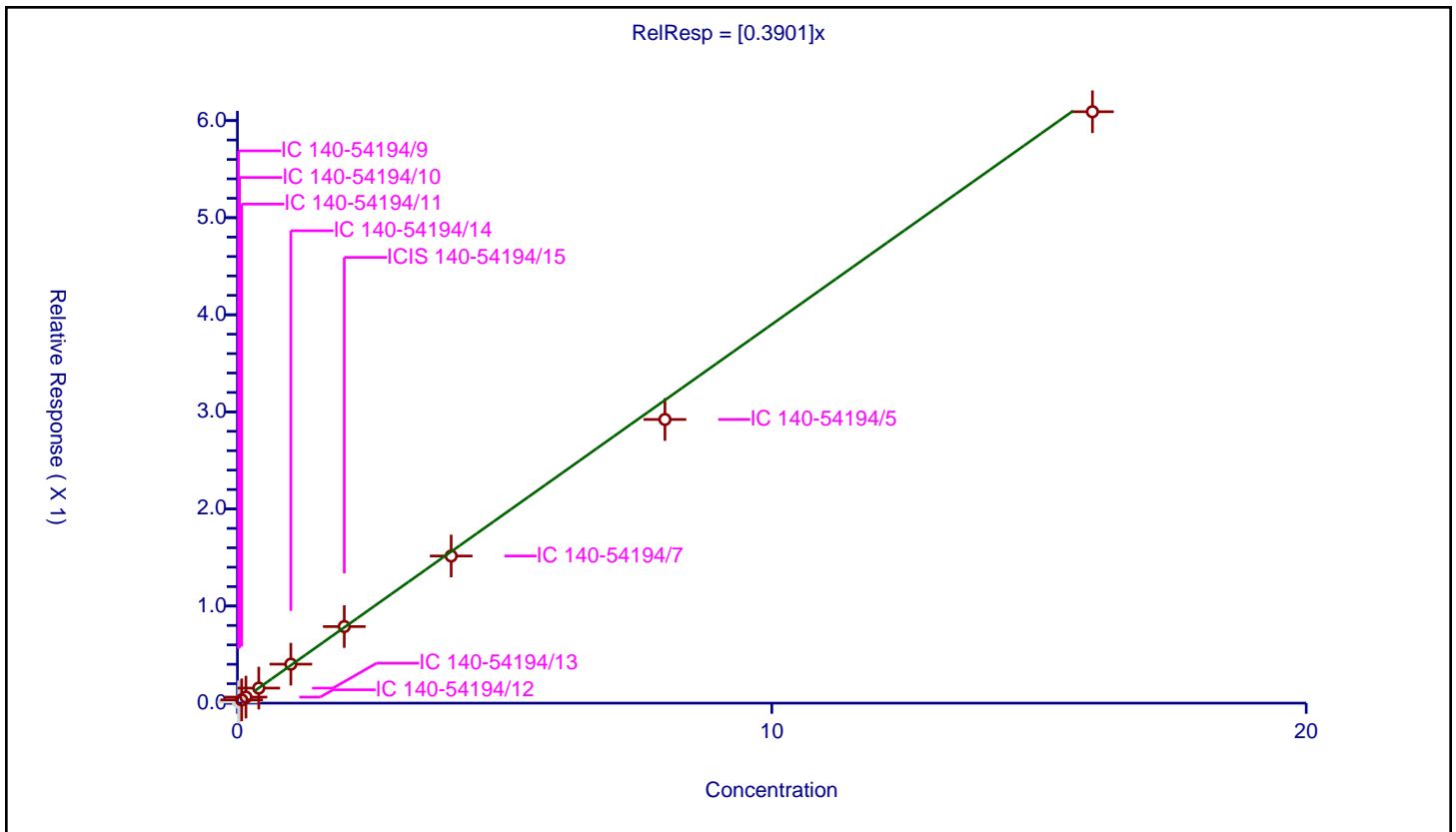
/ 1,1,2-Trichloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3901

Error Coefficients	
Standard Error:	639000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.011314	4.8	1142935.0	0.565701	N
2	IC 140-54194/10	0.04	0.019293	4.8	1100647.0	0.482334	N
3	IC 140-54194/11	0.08	0.033996	4.8	1095950.0	0.424946	Y
4	IC 140-54194/12	0.16	0.06209	4.8	1085079.0	0.388064	Y
5	IC 140-54194/13	0.4	0.154921	4.8	1065707.0	0.387303	Y
6	IC 140-54194/14	1.0	0.40137	4.8	1013864.0	0.40137	Y
7	ICIS 140-54194/15	2.0	0.788636	4.8	1045014.0	0.394318	Y
8	IC 140-54194/7	4.0	1.515367	4.8	1145953.0	0.378842	Y
9	IC 140-54194/5	8.0	2.921792	4.8	1238986.0	0.365224	Y
10	IC 140-54194/3	16.0	6.091108	4.8	1148651.0	0.380694	Y



Calibration

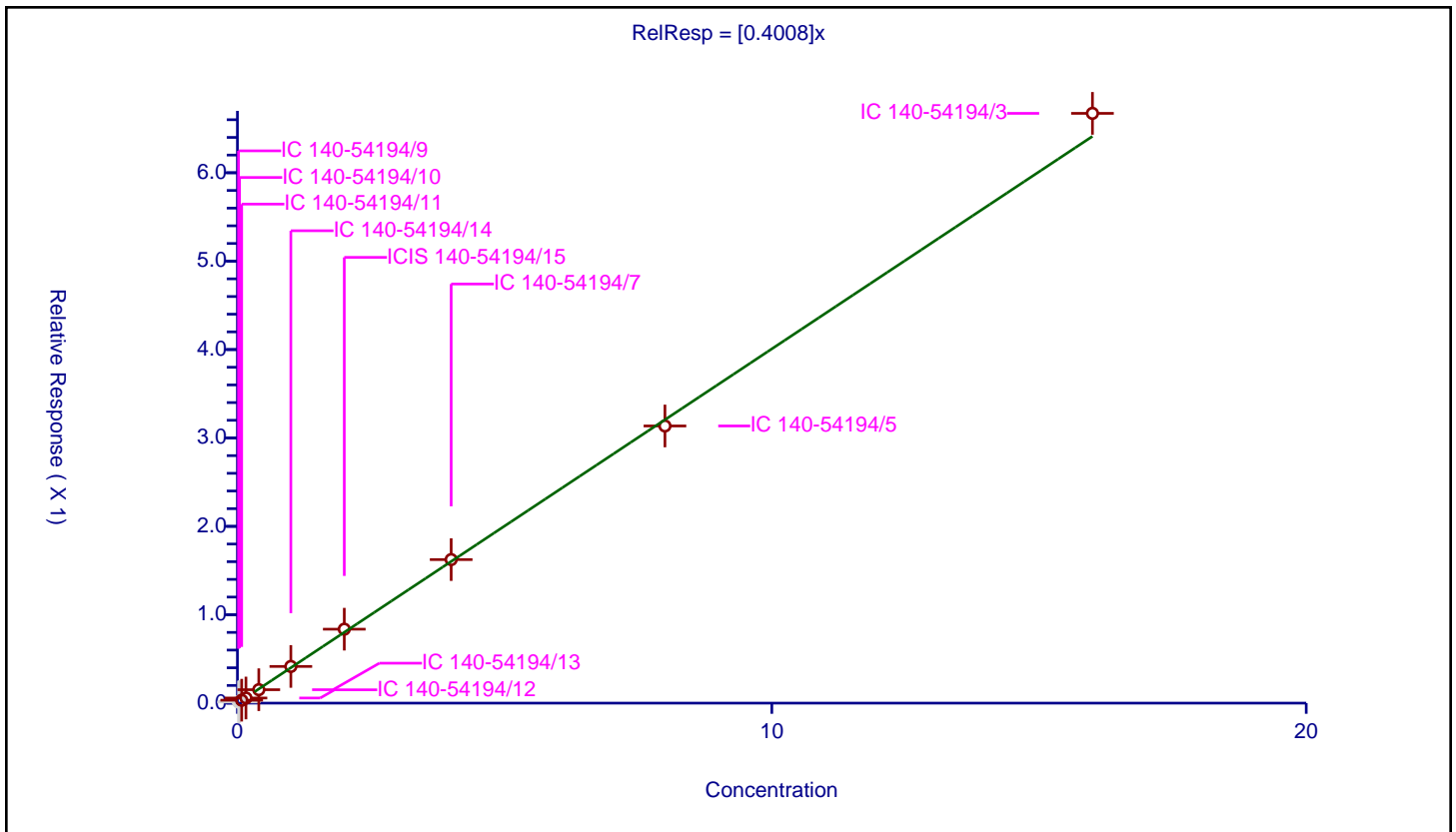
/ 2-Hexanone

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

Curve Coefficients	
Intercept:	0
Slope:	0.4008

Error Coefficients	
Standard Error:	697000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.012788	4.8	1142935.0	0.639406	N
2	IC 140-54194/10	0.04	0.018923	4.8	1100647.0	0.473067	N
3	IC 140-54194/11	0.08	0.033242	4.8	1095950.0	0.41553	Y
4	IC 140-54194/12	0.16	0.057981	4.8	1085079.0	0.362379	Y
5	IC 140-54194/13	0.4	0.15198	4.8	1065707.0	0.379951	Y
6	IC 140-54194/14	1.0	0.414986	4.8	1013864.0	0.414986	Y
7	ICIS 140-54194/15	2.0	0.83647	4.8	1045014.0	0.418235	Y
8	IC 140-54194/7	4.0	1.623954	4.8	1145953.0	0.405988	Y
9	IC 140-54194/5	8.0	3.135489	4.8	1238986.0	0.391936	Y
10	IC 140-54194/3	16.0	6.67208	4.8	1148651.0	0.417005	Y



Calibration

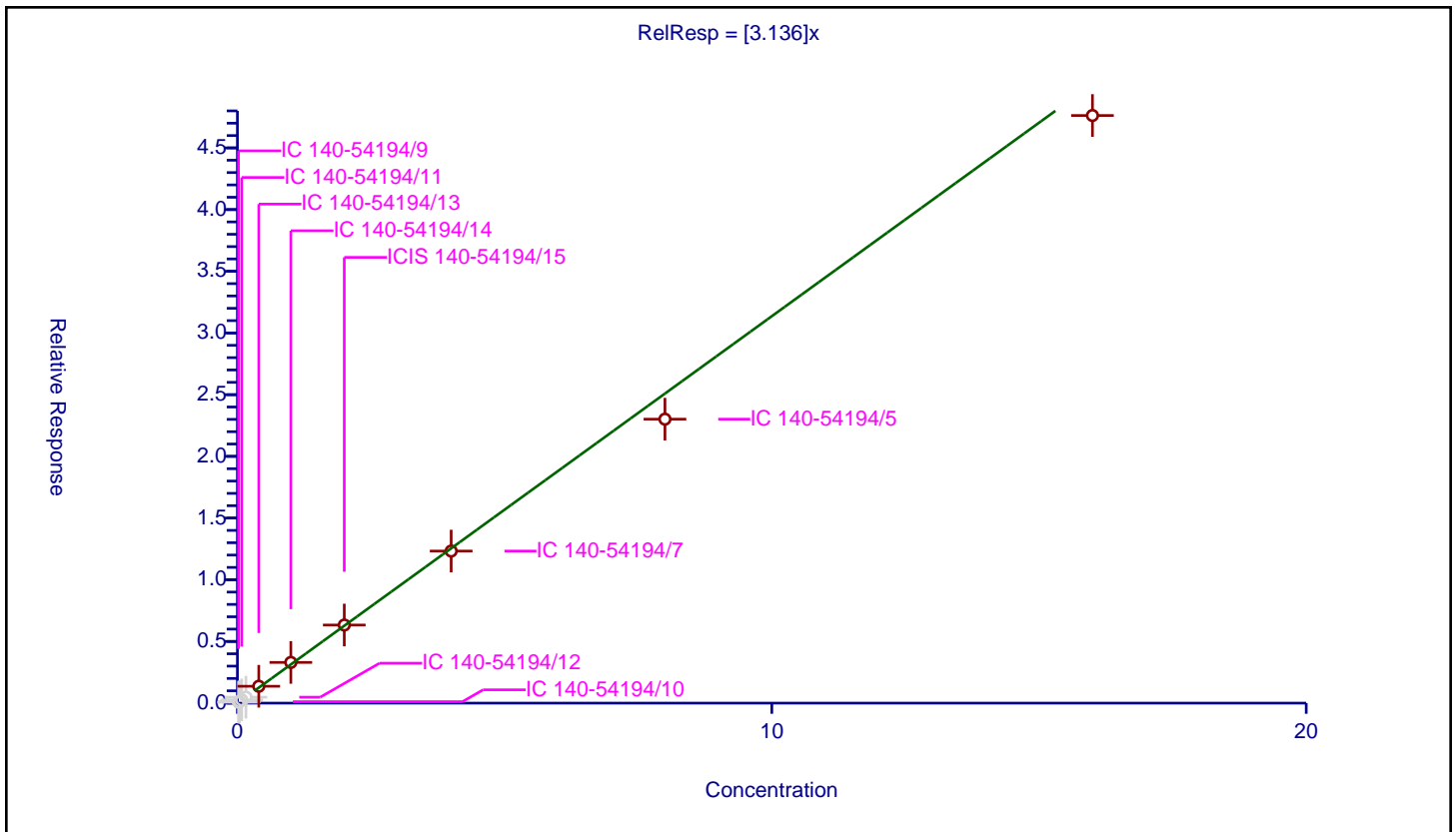
/ C8 Range

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

Curve Coefficients	
Intercept:	0
Slope:	3.136

Error Coefficients	
Standard Error:	6480000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.076663	4.8	1334813.0	3.833166	N
2	IC 140-54194/10	0.04	0.120659	4.8	1292857.0	3.016482	N
3	IC 140-54194/11	0.08	0.262651	4.8	1276722.0	3.283142	N
4	IC 140-54194/12	0.16	0.482823	4.8	1251221.0	3.017644	N
5	IC 140-54194/13	0.4	1.366709	4.8	1234207.0	3.416772	Y
6	IC 140-54194/14	1.0	3.29978	4.8	1167742.0	3.29978	Y
7	ICIS 140-54194/15	2.0	6.32949	4.8	1209225.0	3.164745	Y
8	IC 140-54194/7	4.0	12.324325	4.8	1267572.0	3.081081	Y
9	IC 140-54194/5	8.0	23.014272	4.8	1363186.0	2.876784	Y
10	IC 140-54194/3	16.0	47.623735	4.8	1248218.0	2.976483	Y



Calibration

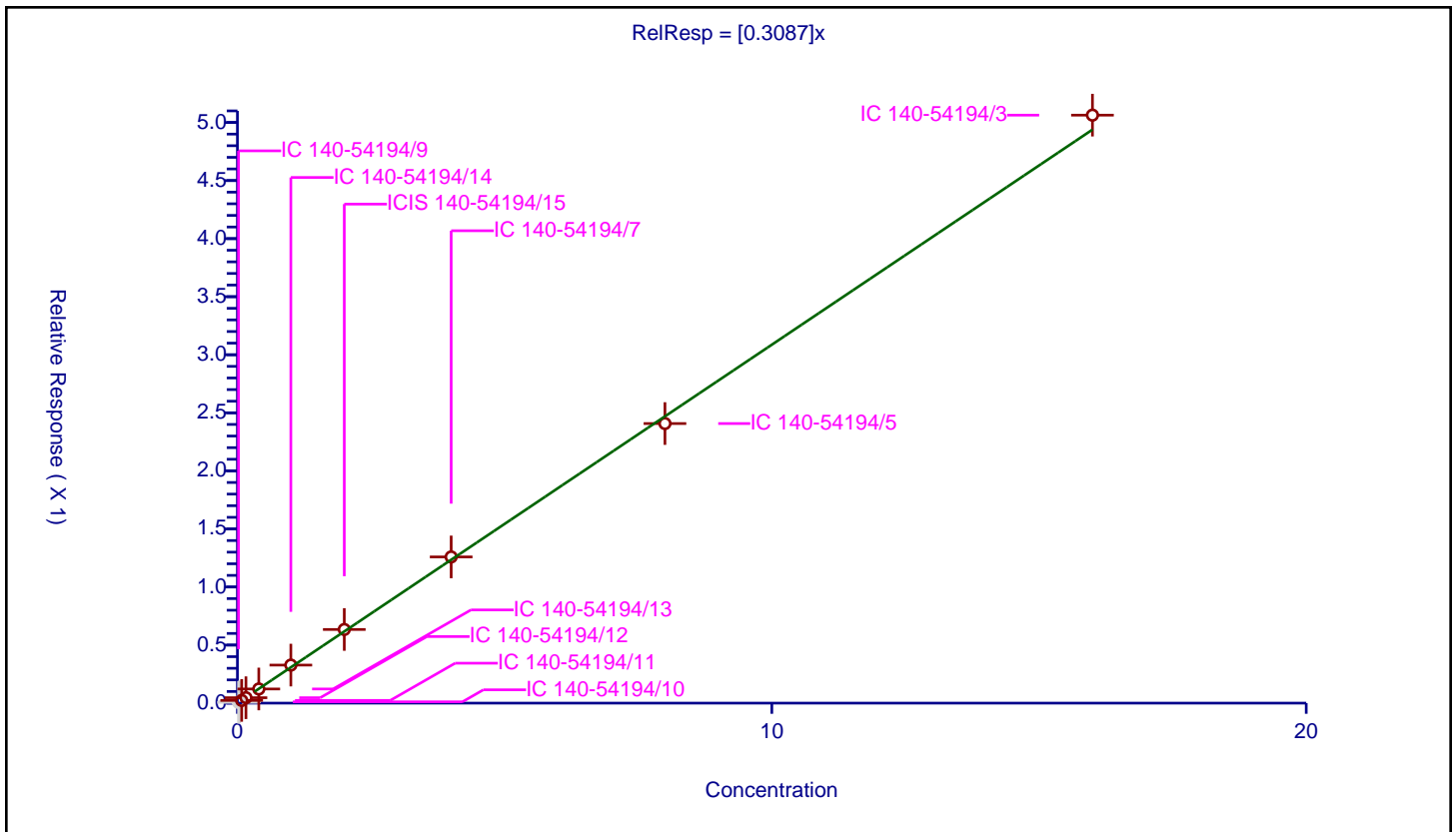
/ n-Octane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3087

Error Coefficients	
Standard Error:	530000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.006573	4.8	1142935.0	0.328628	N
2	IC 140-54194/10	0.04	0.011391	4.8	1100647.0	0.284778	N
3	IC 140-54194/11	0.08	0.02362	4.8	1095950.0	0.295251	Y
4	IC 140-54194/12	0.16	0.04674	4.8	1085079.0	0.292126	Y
5	IC 140-54194/13	0.4	0.121956	4.8	1065707.0	0.304891	Y
6	IC 140-54194/14	1.0	0.327651	4.8	1013864.0	0.327651	Y
7	ICIS 140-54194/15	2.0	0.634308	4.8	1045014.0	0.317154	Y
8	IC 140-54194/7	4.0	1.258963	4.8	1145953.0	0.314741	Y
9	IC 140-54194/5	8.0	2.407659	4.8	1238986.0	0.300957	Y
10	IC 140-54194/3	16.0	5.063407	4.8	1148651.0	0.316463	Y



Calibration

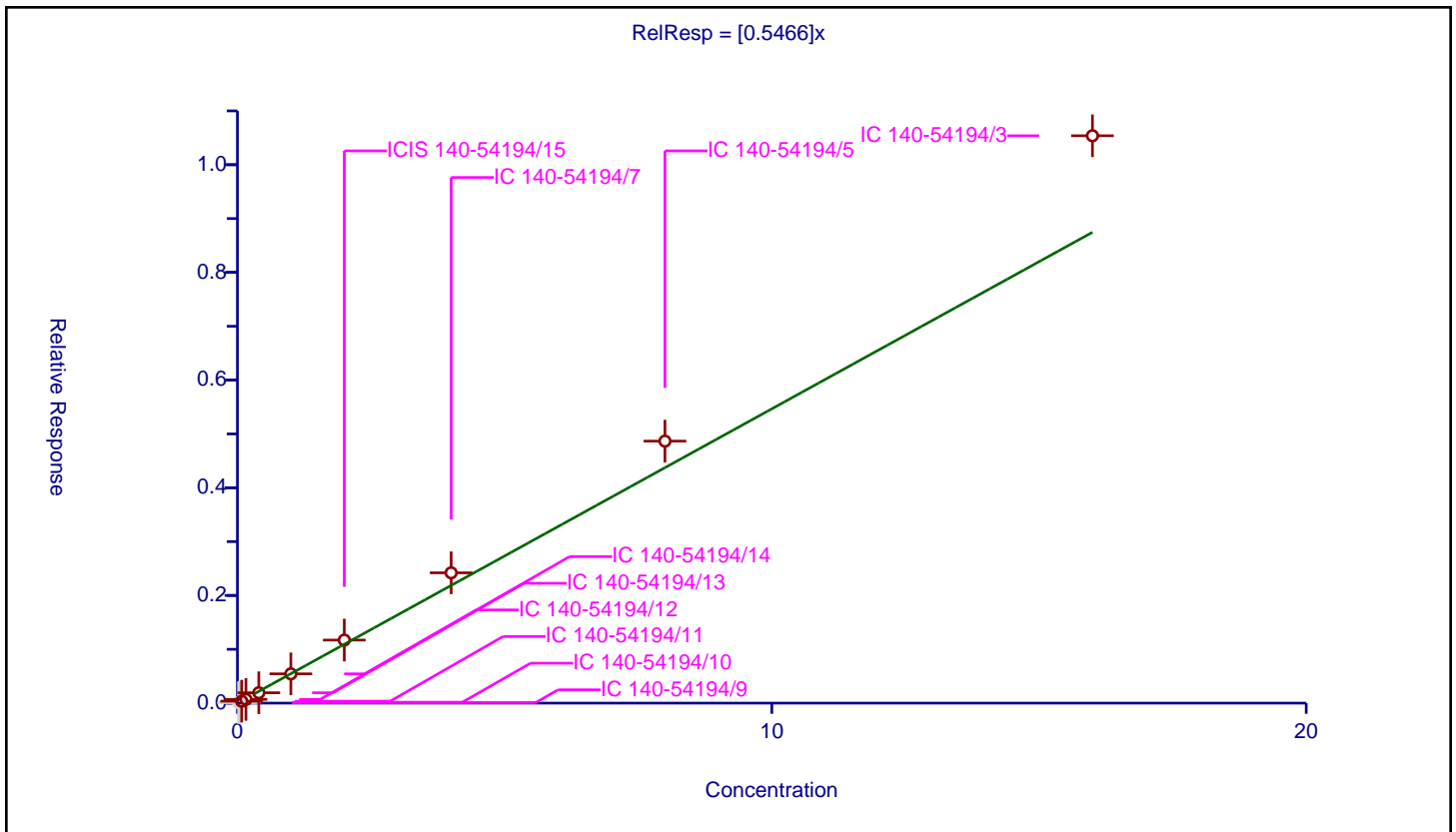
/ Chlorodibromomethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.5466

Error Coefficients	
Standard Error:	1090000
Relative Standard Error:	14.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.009164	4.8	1142935.0	0.458189	N
2	IC 140-54194/10	0.04	0.016886	4.8	1100647.0	0.422152	N
3	IC 140-54194/11	0.08	0.036532	4.8	1095950.0	0.456645	Y
4	IC 140-54194/12	0.16	0.069301	4.8	1085079.0	0.43313	Y
5	IC 140-54194/13	0.4	0.192638	4.8	1065707.0	0.481596	Y
6	IC 140-54194/14	1.0	0.543756	4.8	1013864.0	0.543756	Y
7	ICIS 140-54194/15	2.0	1.17118	4.8	1045014.0	0.58559	Y
8	IC 140-54194/7	4.0	2.420158	4.8	1145953.0	0.605039	Y
9	IC 140-54194/5	8.0	4.866569	4.8	1238986.0	0.608321	Y
10	IC 140-54194/3	16.0	10.537785	4.8	1148651.0	0.658612	Y



Calibration

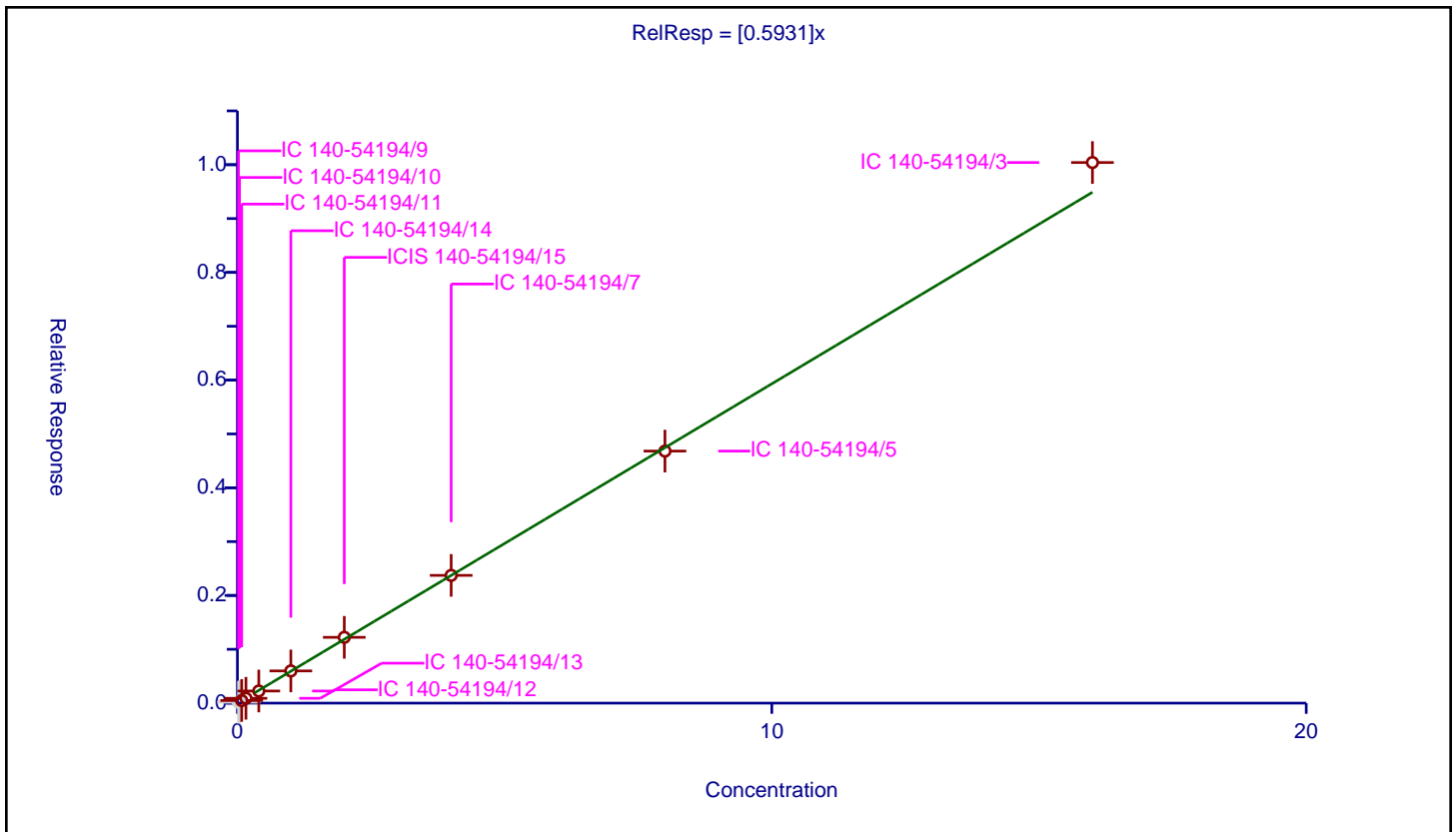
/ Ethylene Dibromide

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

Curve Coefficients	
Intercept:	0
Slope:	0.5931

Error Coefficients	
Standard Error:	1040000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.016534	4.8	1142935.0	0.826714	N
2	IC 140-54194/10	0.04	0.026655	4.8	1100647.0	0.666372	N
3	IC 140-54194/11	0.08	0.048515	4.8	1095950.0	0.606433	Y
4	IC 140-54194/12	0.16	0.089632	4.8	1085079.0	0.560199	Y
5	IC 140-54194/13	0.4	0.225108	4.8	1065707.0	0.56277	Y
6	IC 140-54194/14	1.0	0.59831	4.8	1013864.0	0.59831	Y
7	ICIS 140-54194/15	2.0	1.221967	4.8	1045014.0	0.610984	Y
8	IC 140-54194/7	4.0	2.372675	4.8	1145953.0	0.593169	Y
9	IC 140-54194/5	8.0	4.68163	4.8	1238986.0	0.585204	Y
10	IC 140-54194/3	16.0	10.040698	4.8	1148651.0	0.627544	Y



Calibration

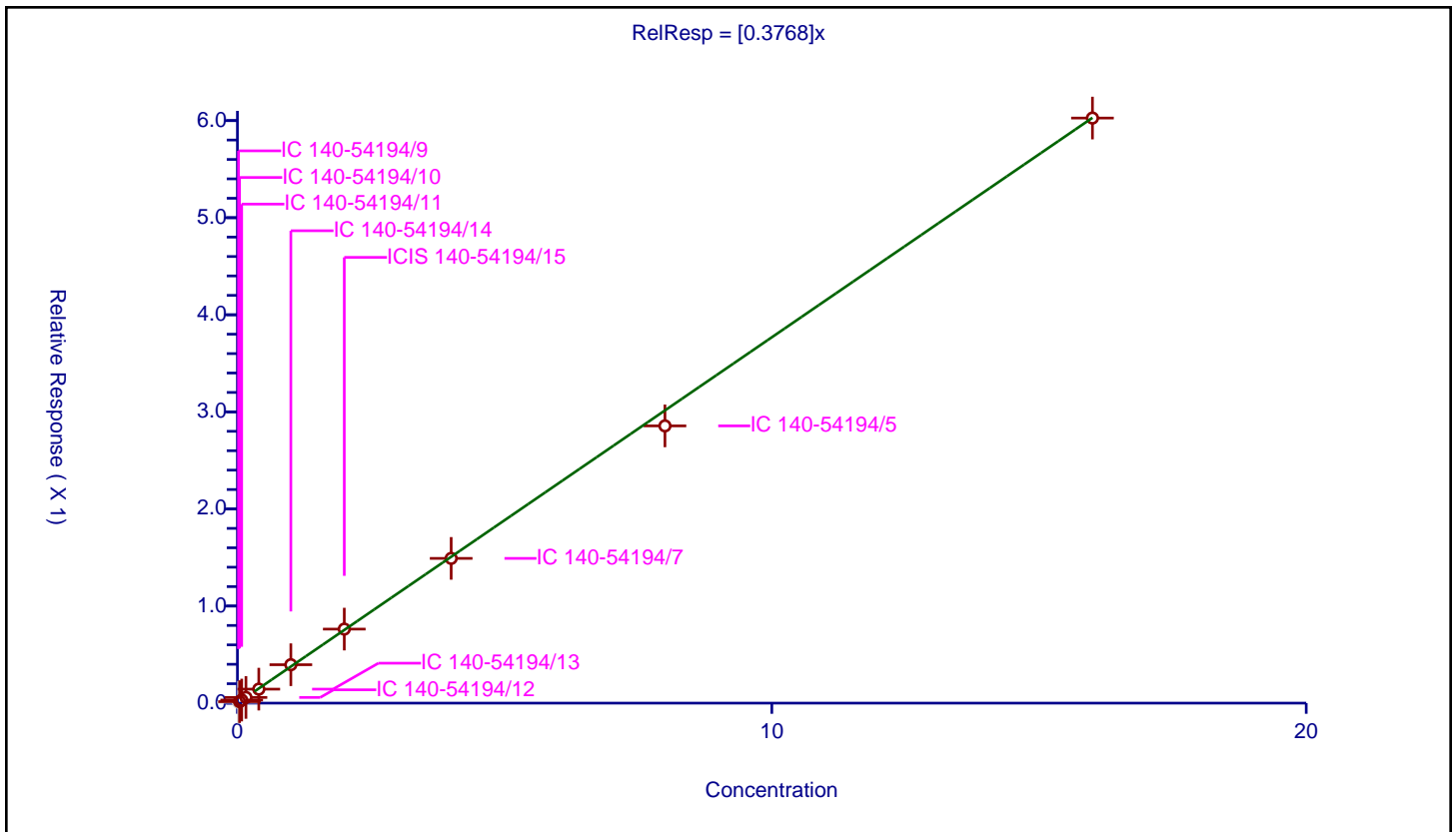
/ Tetrachloroethene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3768

Error Coefficients	
Standard Error:	590000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.009571	4.8	1142935.0	0.478557	N
2	IC 140-54194/10	0.04	0.01546	4.8	1100647.0	0.3865	Y
3	IC 140-54194/11	0.08	0.031674	4.8	1095950.0	0.39593	Y
4	IC 140-54194/12	0.16	0.058494	4.8	1085079.0	0.365586	Y
5	IC 140-54194/13	0.4	0.144058	4.8	1065707.0	0.360144	Y
6	IC 140-54194/14	1.0	0.395655	4.8	1013864.0	0.395655	Y
7	ICIS 140-54194/15	2.0	0.762606	4.8	1045014.0	0.381303	Y
8	IC 140-54194/7	4.0	1.490679	4.8	1145953.0	0.37267	Y
9	IC 140-54194/5	8.0	2.85556	4.8	1238986.0	0.356945	Y
10	IC 140-54194/3	16.0	6.026144	4.8	1148651.0	0.376634	Y



Calibration

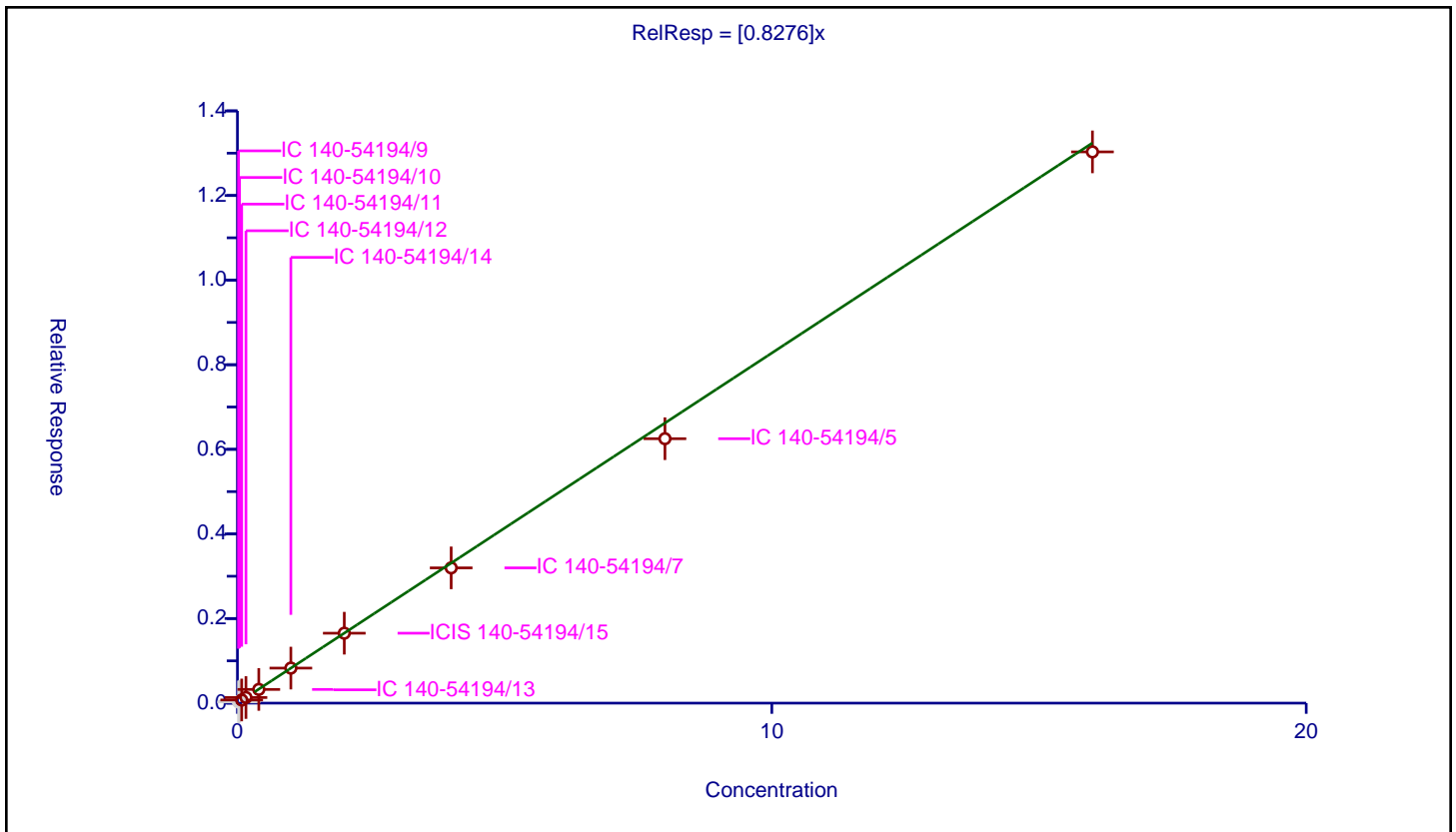
/ Chlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8276

Error Coefficients	
Standard Error:	1370000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.027706	4.8	1142935.0	1.385276	N
2	IC 140-54194/10	0.04	0.04351	4.8	1100647.0	1.08776	N
3	IC 140-54194/11	0.08	0.0746	4.8	1095950.0	0.932506	Y
4	IC 140-54194/12	0.16	0.132621	4.8	1085079.0	0.82888	Y
5	IC 140-54194/13	0.4	0.323886	4.8	1065707.0	0.809716	Y
6	IC 140-54194/14	1.0	0.828016	4.8	1013864.0	0.828016	Y
7	ICIS 140-54194/15	2.0	1.653181	4.8	1045014.0	0.82659	Y
8	IC 140-54194/7	4.0	3.197467	4.8	1145953.0	0.799367	Y
9	IC 140-54194/5	8.0	6.250759	4.8	1238986.0	0.781345	Y
10	IC 140-54194/3	16.0	13.031212	4.8	1148651.0	0.814451	Y



Calibration

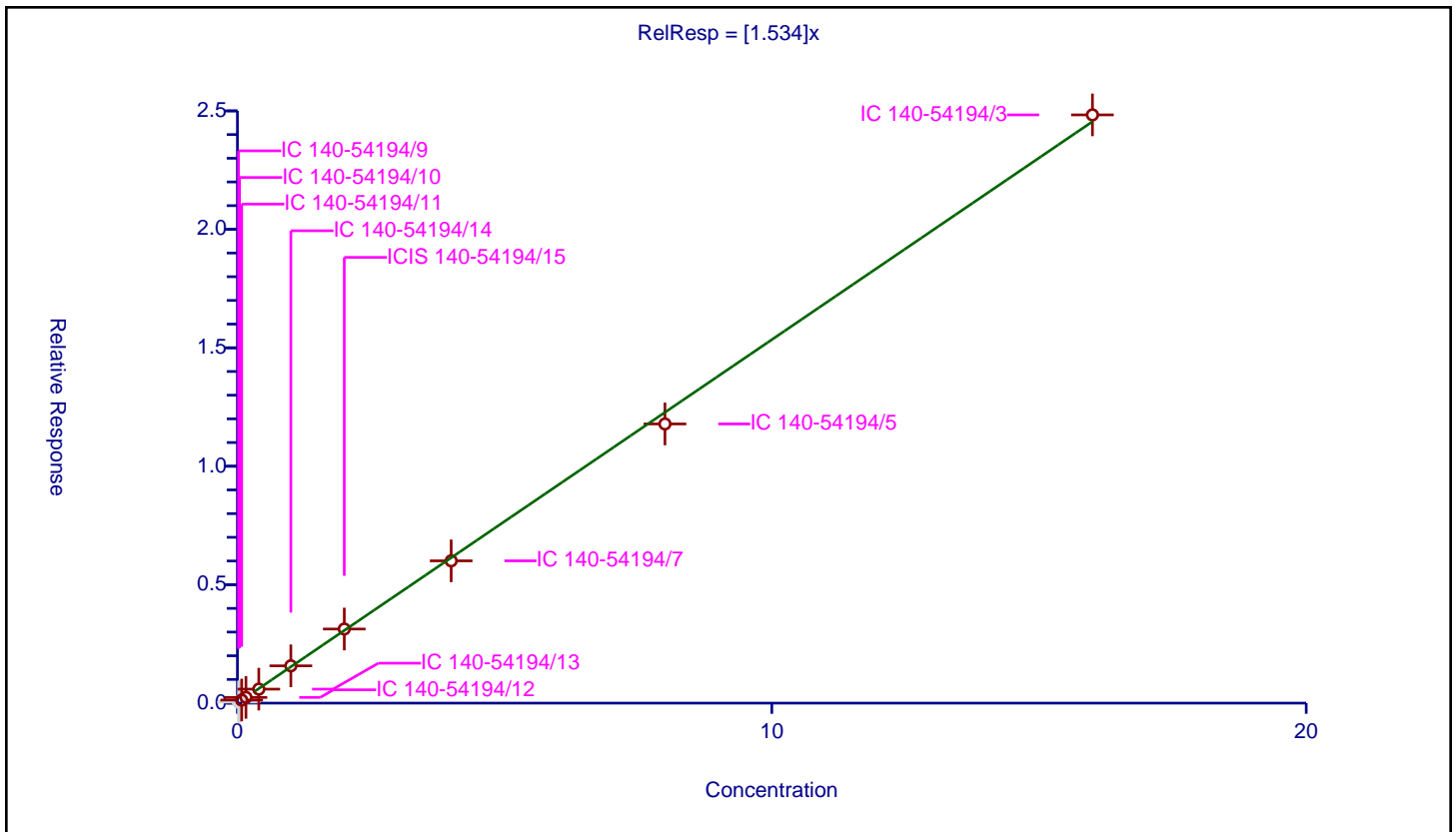
/ Ethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.534

Error Coefficients	
Standard Error:	2600000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.044551	4.8	1142935.0	2.227528	N
2	IC 140-54194/10	0.04	0.072049	4.8	1100647.0	1.801231	N
3	IC 140-54194/11	0.08	0.12986	4.8	1095950.0	1.623249	Y
4	IC 140-54194/12	0.16	0.241451	4.8	1085079.0	1.50907	Y
5	IC 140-54194/13	0.4	0.590472	4.8	1065707.0	1.476181	Y
6	IC 140-54194/14	1.0	1.574758	4.8	1013864.0	1.574758	Y
7	ICIS 140-54194/15	2.0	3.128364	4.8	1045014.0	1.564182	Y
8	IC 140-54194/7	4.0	6.006303	4.8	1145953.0	1.501576	Y
9	IC 140-54194/5	8.0	11.785396	4.8	1238986.0	1.473175	Y
10	IC 140-54194/3	16.0	24.831814	4.8	1148651.0	1.551988	Y



Calibration

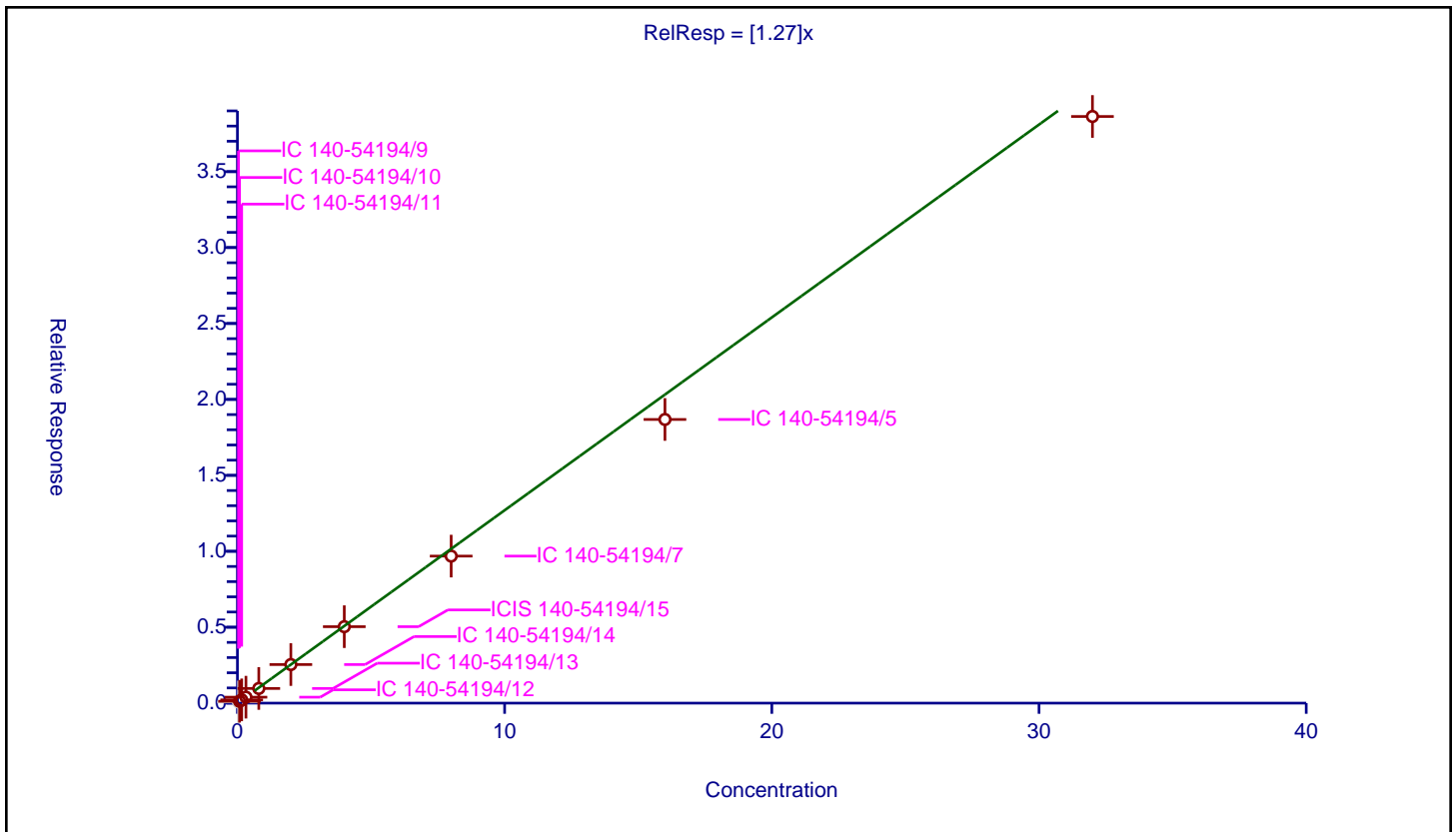
/ m-Xylene & p-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	1.27

Error Coefficients	
Standard Error:	3800000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.04	0.079303	4.8	1142935.0	1.98258	N
2	IC 140-54194/10	0.08	0.123554	4.8	1100647.0	1.544419	Y
3	IC 140-54194/11	0.16	0.214249	4.8	1095950.0	1.339057	Y
4	IC 140-54194/12	0.32	0.391802	4.8	1085079.0	1.224381	Y
5	IC 140-54194/13	0.8	0.96634	4.8	1065707.0	1.207925	Y
6	IC 140-54194/14	2.0	2.539635	4.8	1013864.0	1.269818	Y
7	ICIS 140-54194/15	4.0	5.034058	4.8	1045014.0	1.258514	Y
8	IC 140-54194/7	8.0	9.682508	4.8	1145953.0	1.210314	Y
9	IC 140-54194/5	16.0	18.679126	4.8	1238986.0	1.167445	Y
10	IC 140-54194/3	32.0	38.632363	4.8	1148651.0	1.207261	Y



Calibration

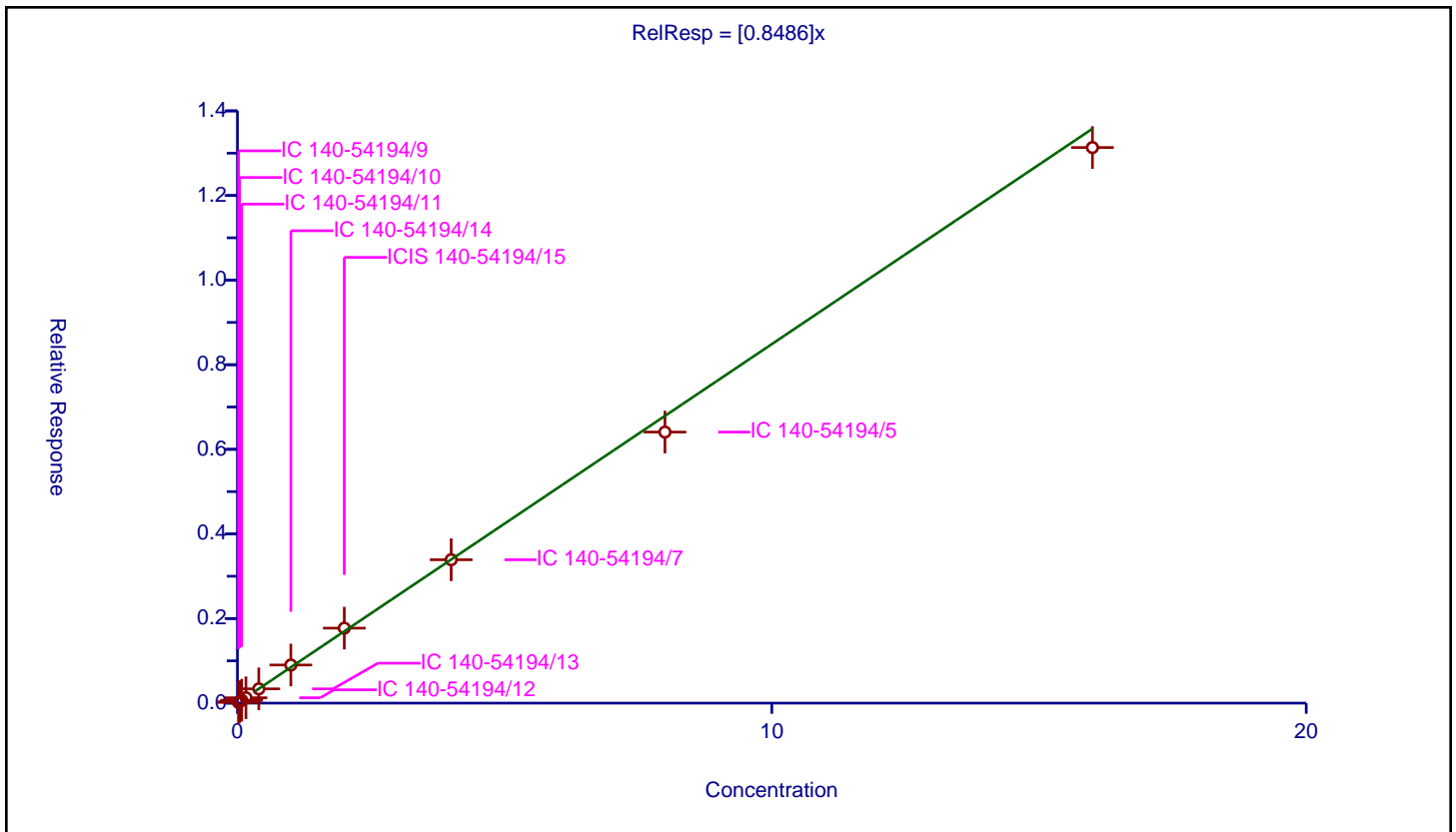
/ n-Nonane

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

Curve Coefficients	
Intercept:	0
Slope:	0.8486

Error Coefficients	
Standard Error:	1220000
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 140-54194/9	0.02	0.017496	4.8	1142935.0	0.8748	Y
2	IC 140-54194/10	0.04	0.034644	4.8	1100647.0	0.866109	Y
3	IC 140-54194/11	0.08	0.068267	4.8	1095950.0	0.853342	Y
4	IC 140-54194/12	0.16	0.126905	4.8	1085079.0	0.793159	Y
5	IC 140-54194/13	0.4	0.33684	4.8	1065707.0	0.8421	Y
6	IC 140-54194/14	1.0	0.901361	4.8	1013864.0	0.901361	Y
7	ICIS 140-54194/15	2.0	1.772844	4.8	1045014.0	0.886422	Y
8	IC 140-54194/7	4.0	3.389492	4.8	1145953.0	0.847373	Y
9	IC 140-54194/5	8.0	6.407402	4.8	1238986.0	0.800925	Y
10	IC 140-54194/3	16.0	13.133648	4.8	1148651.0	0.820853	Y



Calibration

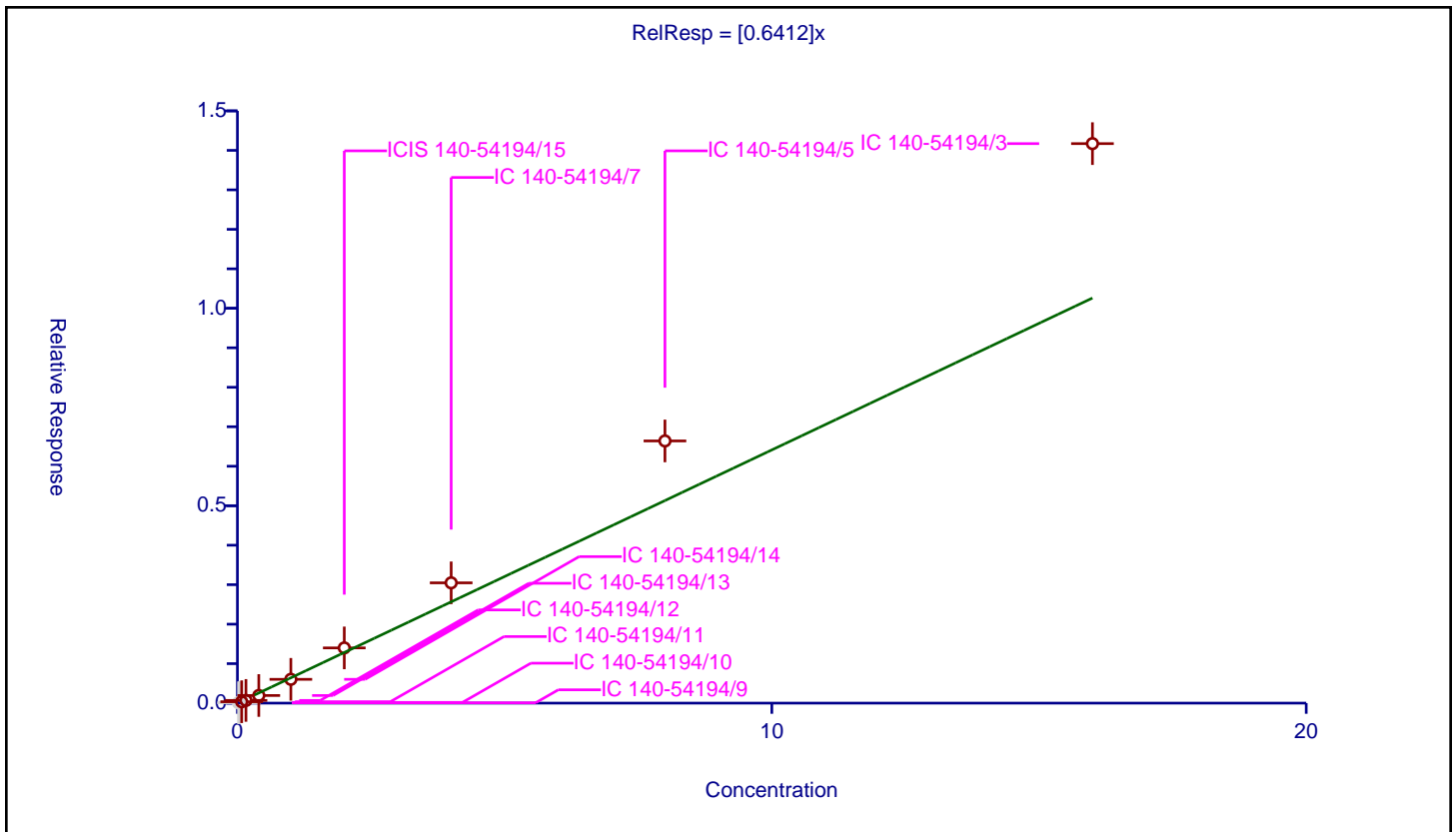
/ Bromoform

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

Curve Coefficients	
Intercept:	0
Slope:	0.6412

Error Coefficients	
Standard Error:	1470000
Relative Standard Error:	28.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.923

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.009328	4.8	1142935.0	0.466378	N
2	IC 140-54194/10	0.04	0.018644	4.8	1100647.0	0.466089	N
3	IC 140-54194/11	0.08	0.035244	4.8	1095950.0	0.440549	Y
4	IC 140-54194/12	0.16	0.068186	4.8	1085079.0	0.426163	Y
5	IC 140-54194/13	0.4	0.193485	4.8	1065707.0	0.483713	Y
6	IC 140-54194/14	1.0	0.602708	4.8	1013864.0	0.602708	Y
7	ICIS 140-54194/15	2.0	1.398811	4.8	1045014.0	0.699406	Y
8	IC 140-54194/7	4.0	3.046797	4.8	1145953.0	0.761699	Y
9	IC 140-54194/5	8.0	6.640536	4.8	1238986.0	0.830067	Y
10	IC 140-54194/3	16.0	14.170813	4.8	1148651.0	0.885676	Y



Calibration

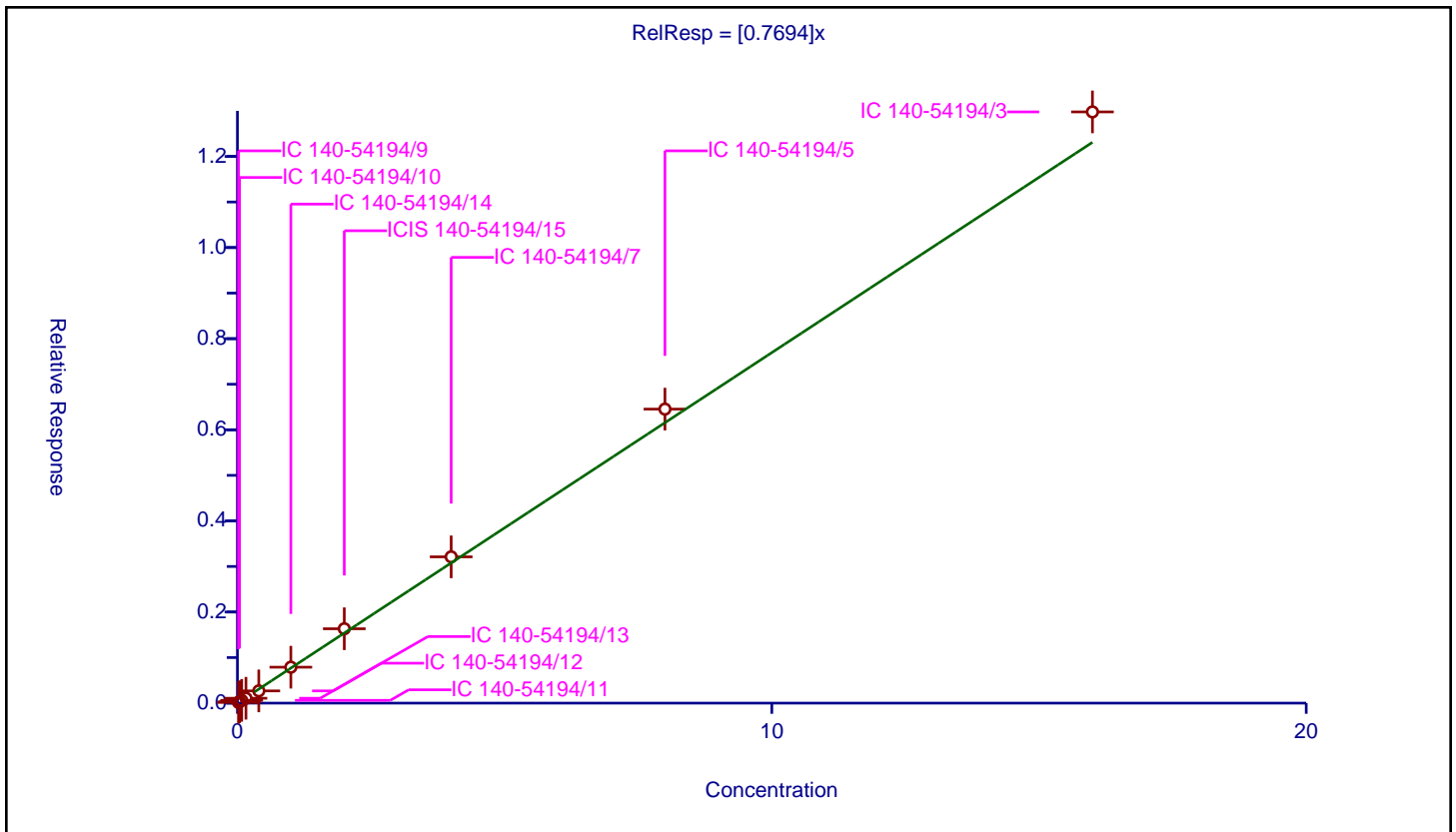
/ Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	0.7694

Error Coefficients	
Standard Error:	1210000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.015724	4.8	1142935.0	0.786186	Y
2	IC 140-54194/10	0.04	0.031025	4.8	1100647.0	0.775617	Y
3	IC 140-54194/11	0.08	0.061067	4.8	1095950.0	0.763338	Y
4	IC 140-54194/12	0.16	0.107335	4.8	1085079.0	0.670845	Y
5	IC 140-54194/13	0.4	0.268739	4.8	1065707.0	0.671847	Y
6	IC 140-54194/14	1.0	0.789138	4.8	1013864.0	0.789138	Y
7	ICIS 140-54194/15	2.0	1.632658	4.8	1045014.0	0.816329	Y
8	IC 140-54194/7	4.0	3.211281	4.8	1145953.0	0.80282	Y
9	IC 140-54194/5	8.0	6.45369	4.8	1238986.0	0.806711	Y
10	IC 140-54194/3	16.0	12.977657	4.8	1148651.0	0.811104	Y



Calibration

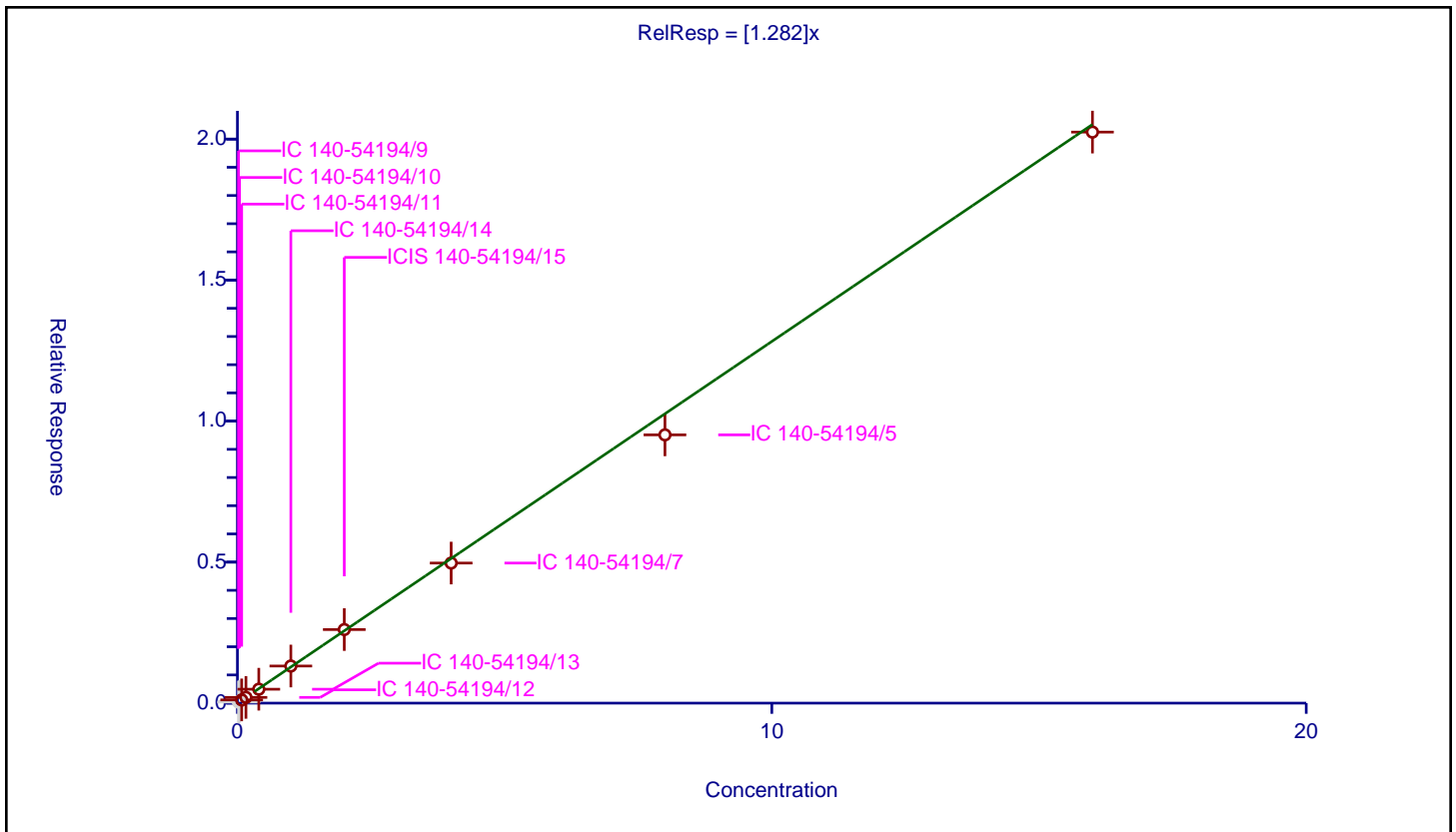
/ o-Xylene

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

Curve Coefficients	
Intercept:	0
Slope:	1.282

Error Coefficients	
Standard Error:	2120000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.038684	4.8	1142935.0	1.934178	N
2	IC 140-54194/10	0.04	0.064574	4.8	1100647.0	1.61436	N
3	IC 140-54194/11	0.08	0.114864	4.8	1095950.0	1.435795	Y
4	IC 140-54194/12	0.16	0.203589	4.8	1085079.0	1.272433	Y
5	IC 140-54194/13	0.4	0.49377	4.8	1065707.0	1.234426	Y
6	IC 140-54194/14	1.0	1.315878	4.8	1013864.0	1.315878	Y
7	ICIS 140-54194/15	2.0	2.608997	4.8	1045014.0	1.304499	Y
8	IC 140-54194/7	4.0	4.967303	4.8	1145953.0	1.241826	Y
9	IC 140-54194/5	8.0	9.512045	4.8	1238986.0	1.189006	Y
10	IC 140-54194/3	16.0	20.247792	4.8	1148651.0	1.265487	Y



Calibration

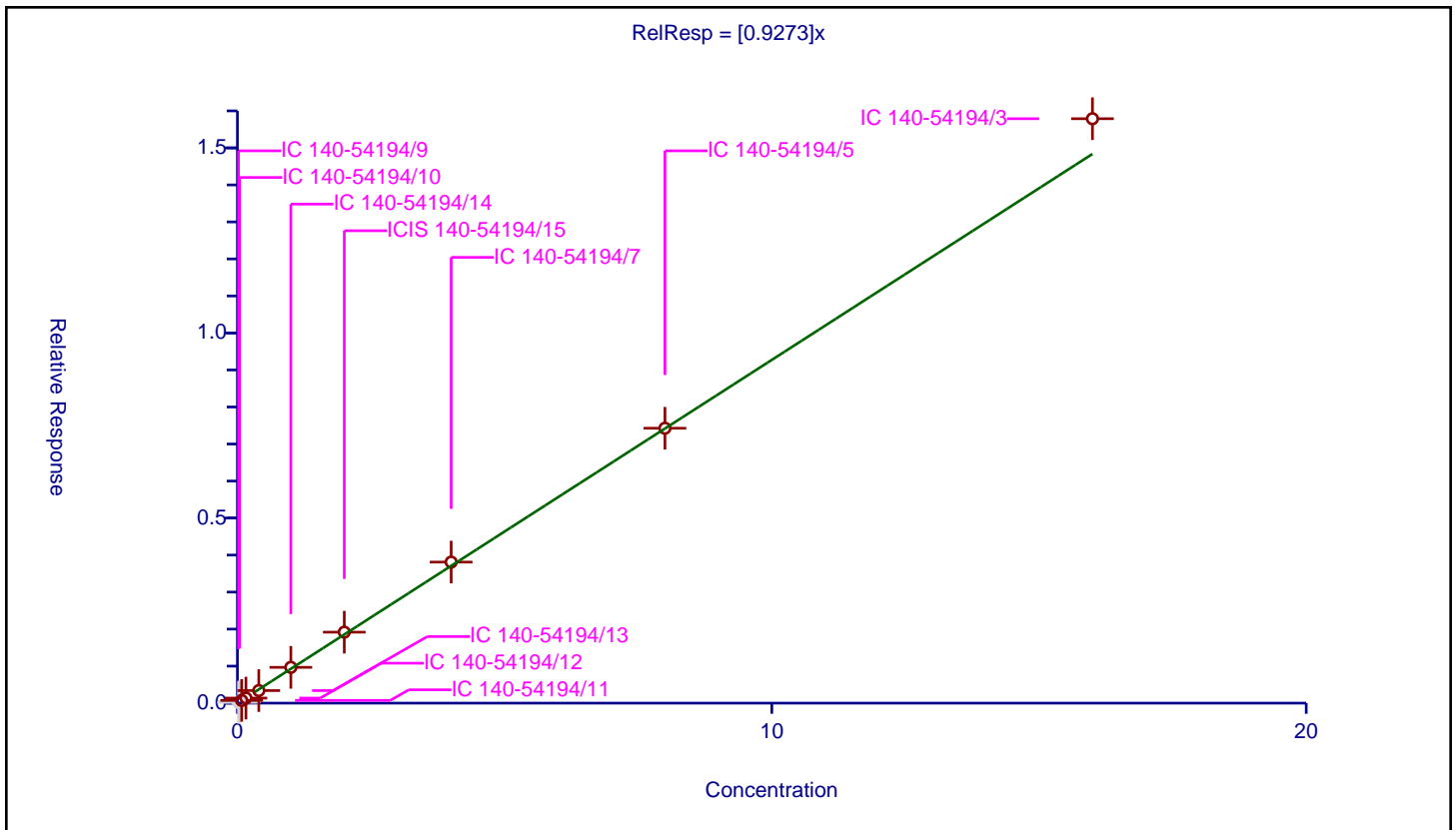
/ 1,1,2,2-Tetrachloroethane

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

Curve Coefficients	
Intercept:	0
Slope:	0.9273

Error Coefficients	
Standard Error:	1650000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.020713	4.8	1142935.0	1.035649	N
2	IC 140-54194/10	0.04	0.041003	4.8	1100647.0	1.02507	N
3	IC 140-54194/11	0.08	0.073952	4.8	1095950.0	0.924403	Y
4	IC 140-54194/12	0.16	0.136337	4.8	1085079.0	0.852104	Y
5	IC 140-54194/13	0.4	0.339254	4.8	1065707.0	0.848136	Y
6	IC 140-54194/14	1.0	0.966975	4.8	1013864.0	0.966975	Y
7	ICIS 140-54194/15	2.0	1.917476	4.8	1045014.0	0.958738	Y
8	IC 140-54194/7	4.0	3.810385	4.8	1145953.0	0.952596	Y
9	IC 140-54194/5	8.0	7.426676	4.8	1238986.0	0.928334	Y
10	IC 140-54194/3	16.0	15.788399	4.8	1148651.0	0.986775	Y



Calibration

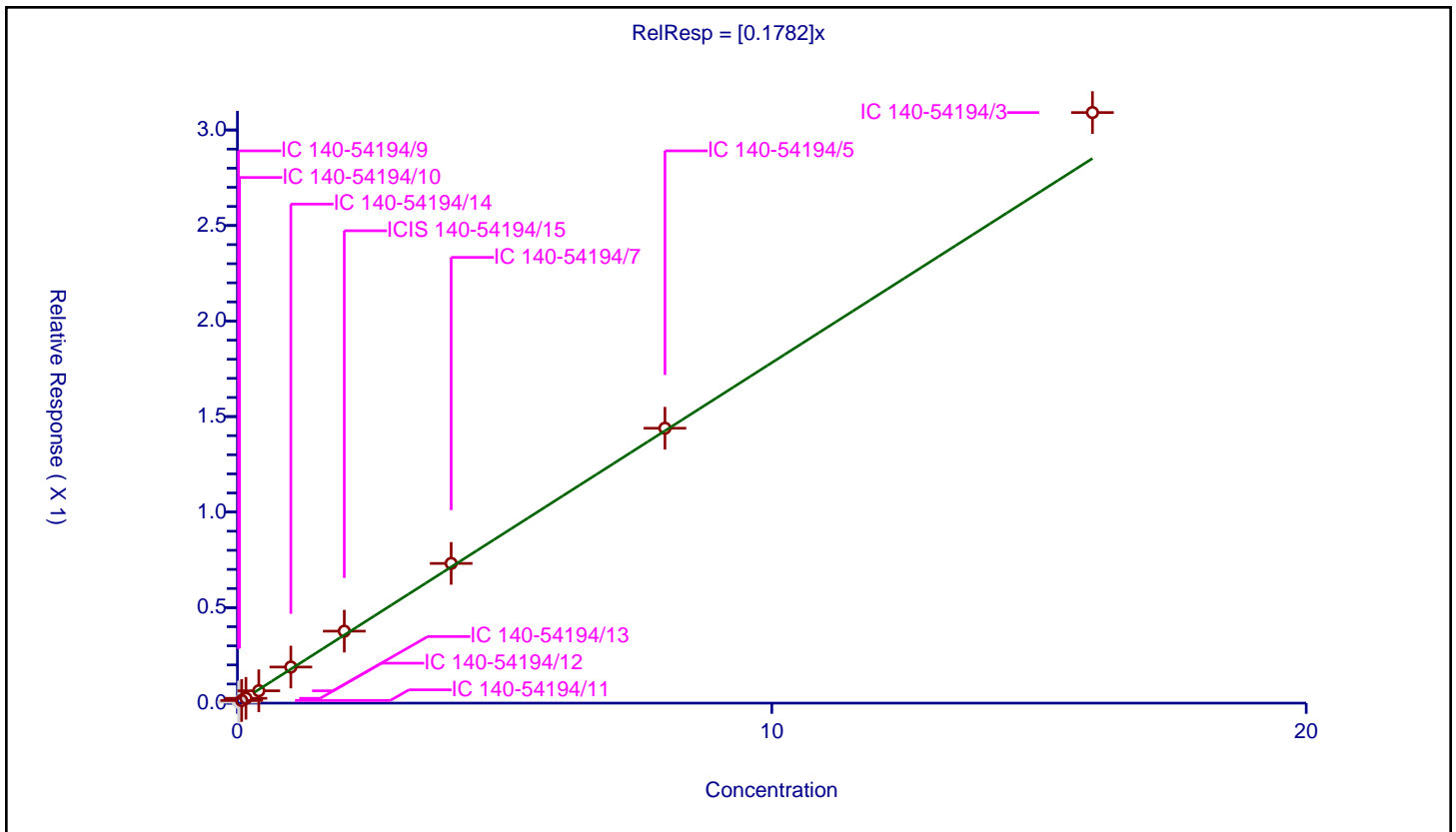
/ 1,2,3-Trichloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.1782

Error Coefficients	
Standard Error:	322000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.004746	4.8	1142935.0	0.237284	N
2	IC 140-54194/10	0.04	0.008107	4.8	1100647.0	0.202681	N
3	IC 140-54194/11	0.08	0.013814	4.8	1095950.0	0.172672	Y
4	IC 140-54194/12	0.16	0.025277	4.8	1085079.0	0.157979	Y
5	IC 140-54194/13	0.4	0.064633	4.8	1065707.0	0.161583	Y
6	IC 140-54194/14	1.0	0.18901	4.8	1013864.0	0.18901	Y
7	ICIS 140-54194/15	2.0	0.376719	4.8	1045014.0	0.18836	Y
8	IC 140-54194/7	4.0	0.731259	4.8	1145953.0	0.182815	Y
9	IC 140-54194/5	8.0	1.438862	4.8	1238986.0	0.179858	Y
10	IC 140-54194/3	16.0	3.091333	4.8	1148651.0	0.193208	Y



Calibration

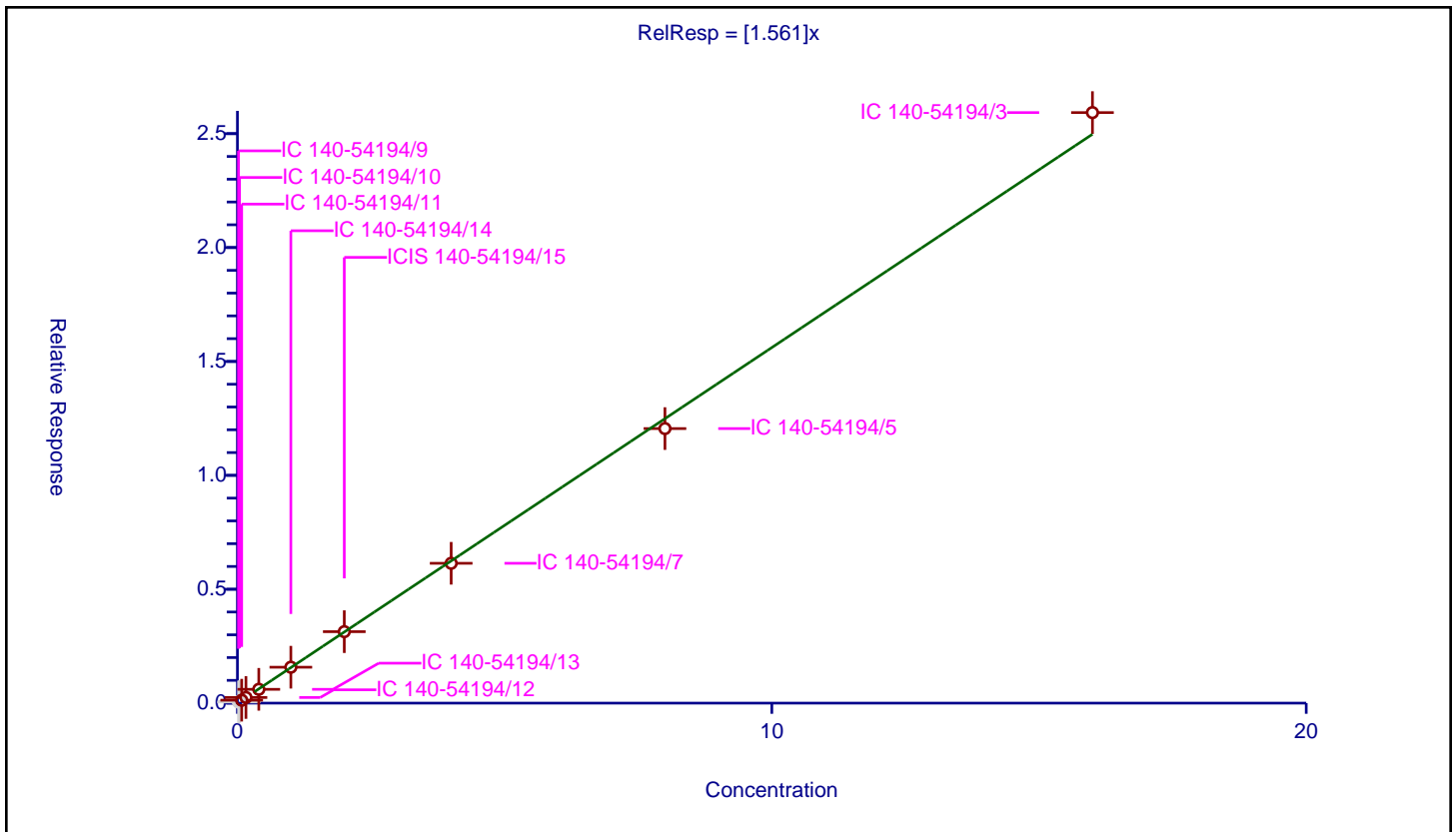
/ Isopropylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.561

Error Coefficients	
Standard Error:	2700000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.049149	4.8	1142935.0	2.457463	N
2	IC 140-54194/10	0.04	0.073292	4.8	1100647.0	1.832304	N
3	IC 140-54194/11	0.08	0.129444	4.8	1095950.0	1.618048	Y
4	IC 140-54194/12	0.16	0.2476	4.8	1085079.0	1.5475	Y
5	IC 140-54194/13	0.4	0.605926	4.8	1065707.0	1.514814	Y
6	IC 140-54194/14	1.0	1.576931	4.8	1013864.0	1.576931	Y
7	ICIS 140-54194/15	2.0	3.137964	4.8	1045014.0	1.568982	Y
8	IC 140-54194/7	4.0	6.139117	4.8	1145953.0	1.534779	Y
9	IC 140-54194/5	8.0	12.053417	4.8	1238986.0	1.506677	Y
10	IC 140-54194/3	16.0	25.924666	4.8	1148651.0	1.620292	Y



Calibration

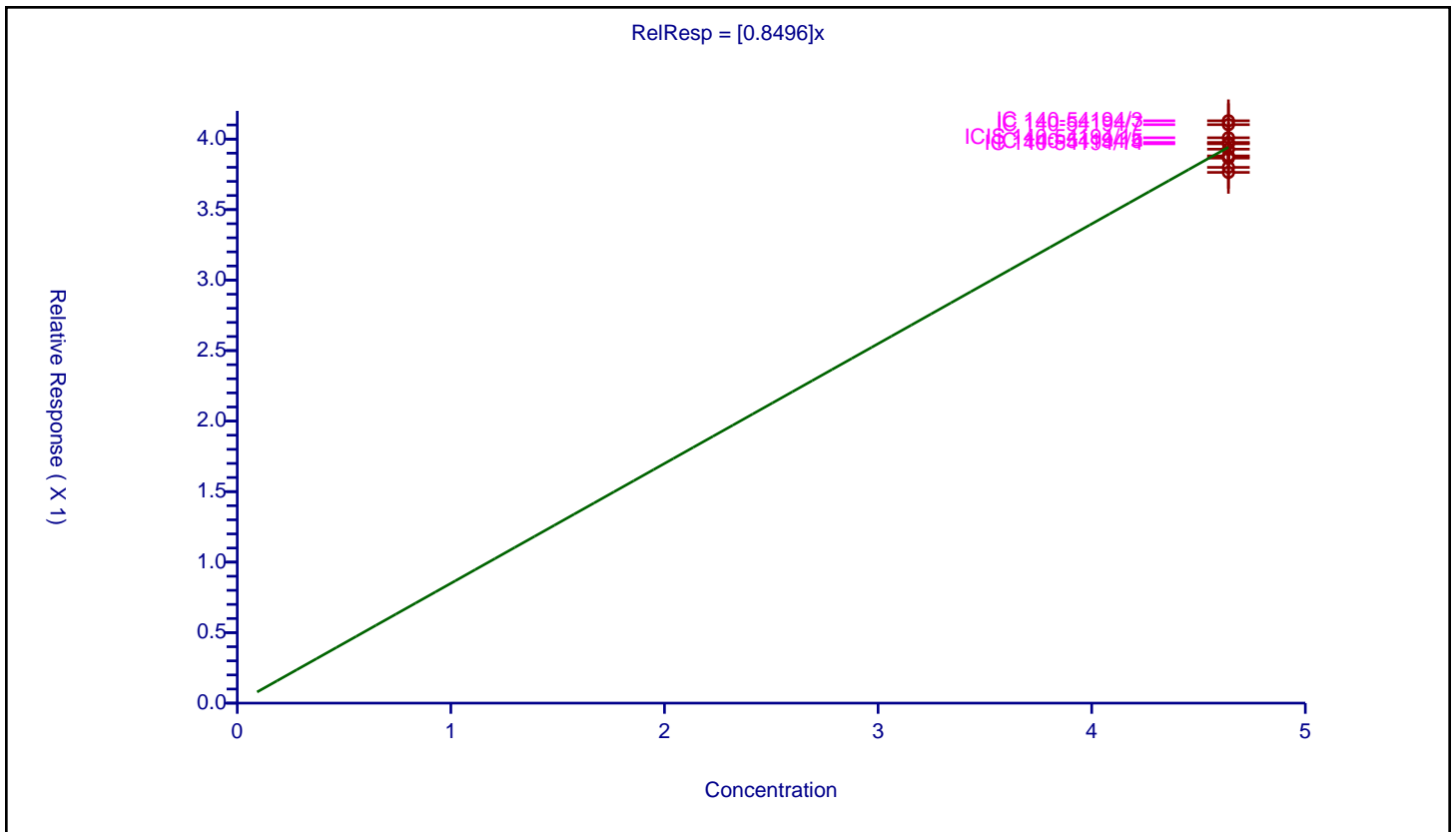
/ 4-Bromofluorobenzene (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.8496

Error Coefficients	
Standard Error:	962000
Relative Standard Error:	3.0
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/3	4.64	4.129973	4.8	1148651.0	0.89008	Y
2	IC 140-54194/5	4.64	3.976126	4.8	1238986.0	0.856924	Y
3	IC 140-54194/7	4.64	4.102304	4.8	1145953.0	0.884117	Y
4	IC 140-54194/9	4.64	3.763956	4.8	1142935.0	0.811197	Y
5	IC 140-54194/10	4.64	3.79954	4.8	1100647.0	0.818866	Y
6	IC 140-54194/11	4.64	3.865166	4.8	1095950.0	0.83301	Y
7	IC 140-54194/12	4.64	3.880794	4.8	1085079.0	0.836378	Y
8	IC 140-54194/13	4.64	3.928556	4.8	1065707.0	0.846672	Y
9	IC 140-54194/14	4.64	3.966539	4.8	1013864.0	0.854858	Y
10	ICIS 140-54194/15	4.64	4.009513	4.8	1045014.0	0.864119	Y



Calibration

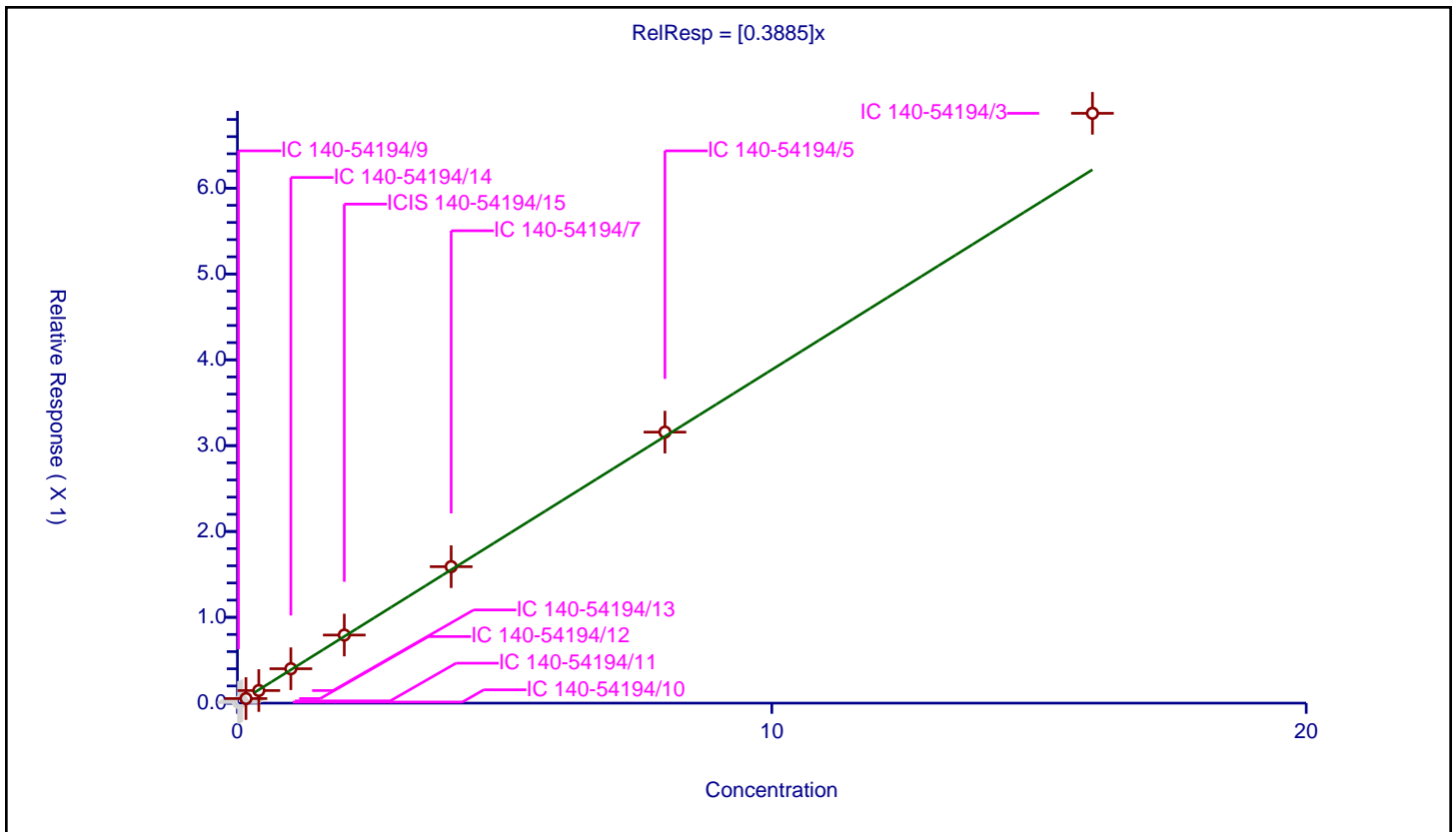
/ N-Propylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3885

Error Coefficients	
Standard Error:	769000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.008345	4.8	1142935.0	0.417242	N
2	IC 140-54194/10	0.04	0.0128	4.8	1100647.0	0.319994	N
3	IC 140-54194/11	0.08	0.026143	4.8	1095950.0	0.326785	N
4	IC 140-54194/12	0.16	0.053305	4.8	1085079.0	0.333155	Y
5	IC 140-54194/13	0.4	0.14676	4.8	1065707.0	0.3669	Y
6	IC 140-54194/14	1.0	0.400735	4.8	1013864.0	0.400735	Y
7	ICIS 140-54194/15	2.0	0.793418	4.8	1045014.0	0.396709	Y
8	IC 140-54194/7	4.0	1.589887	4.8	1145953.0	0.397472	Y
9	IC 140-54194/5	8.0	3.15756	4.8	1238986.0	0.394695	Y
10	IC 140-54194/3	16.0	6.871756	4.8	1148651.0	0.429485	Y



Calibration

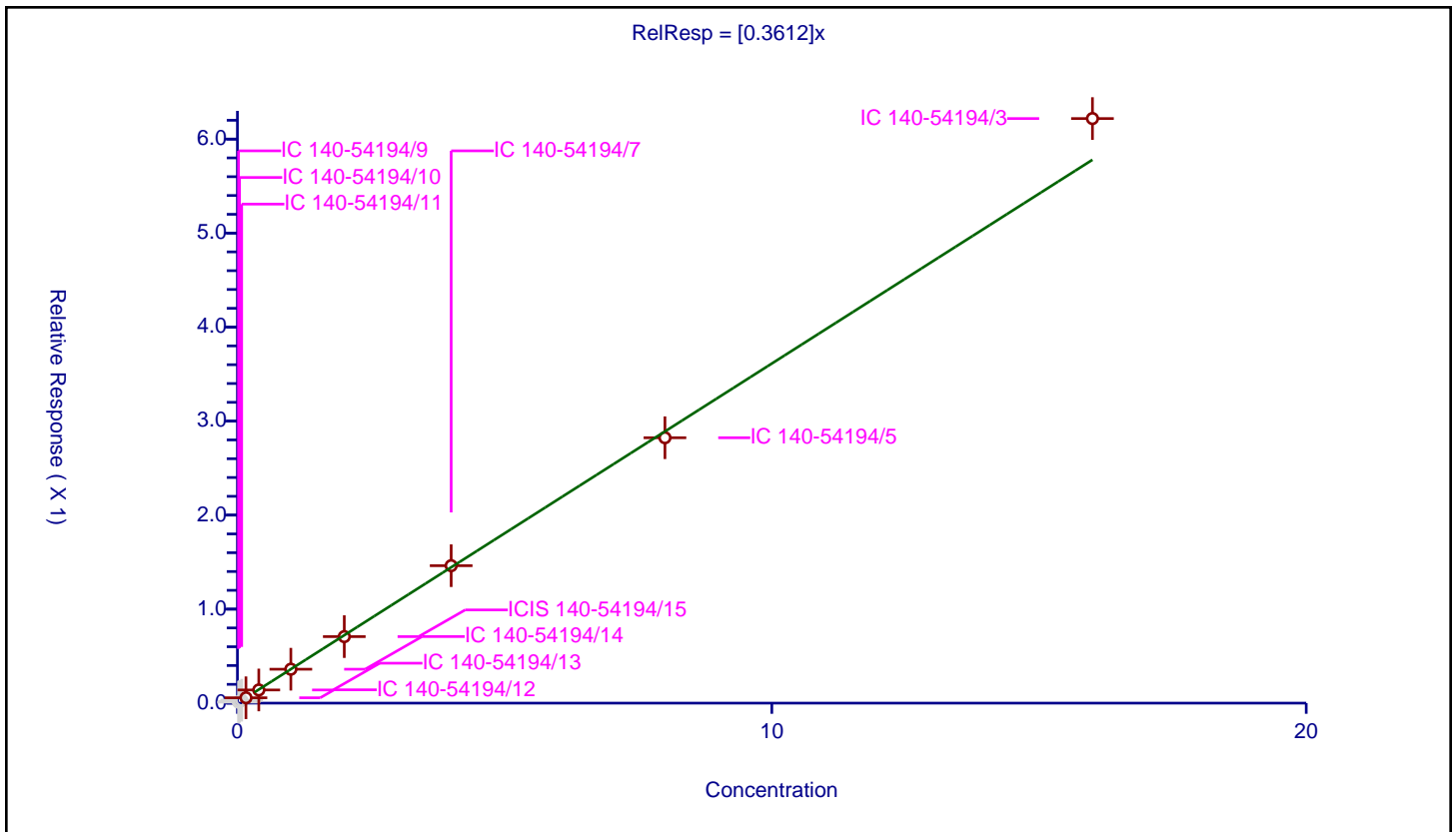
/ 2-Chlorotoluene

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

Curve Coefficients	
Intercept:	0
Slope:	0.3612

Error Coefficients	
Standard Error:	695000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.010932	4.8	1142935.0	0.546593	N
2	IC 140-54194/10	0.04	0.01853	4.8	1100647.0	0.463255	N
3	IC 140-54194/11	0.08	0.031403	4.8	1095950.0	0.392536	N
4	IC 140-54194/12	0.16	0.0571	4.8	1085079.0	0.356877	Y
5	IC 140-54194/13	0.4	0.140063	4.8	1065707.0	0.350156	Y
6	IC 140-54194/14	1.0	0.360886	4.8	1013864.0	0.360886	Y
7	ICIS 140-54194/15	2.0	0.707497	4.8	1045014.0	0.353748	Y
8	IC 140-54194/7	4.0	1.461982	4.8	1145953.0	0.365496	Y
9	IC 140-54194/5	8.0	2.823025	4.8	1238986.0	0.352878	Y
10	IC 140-54194/3	16.0	6.218436	4.8	1148651.0	0.388652	Y



Calibration

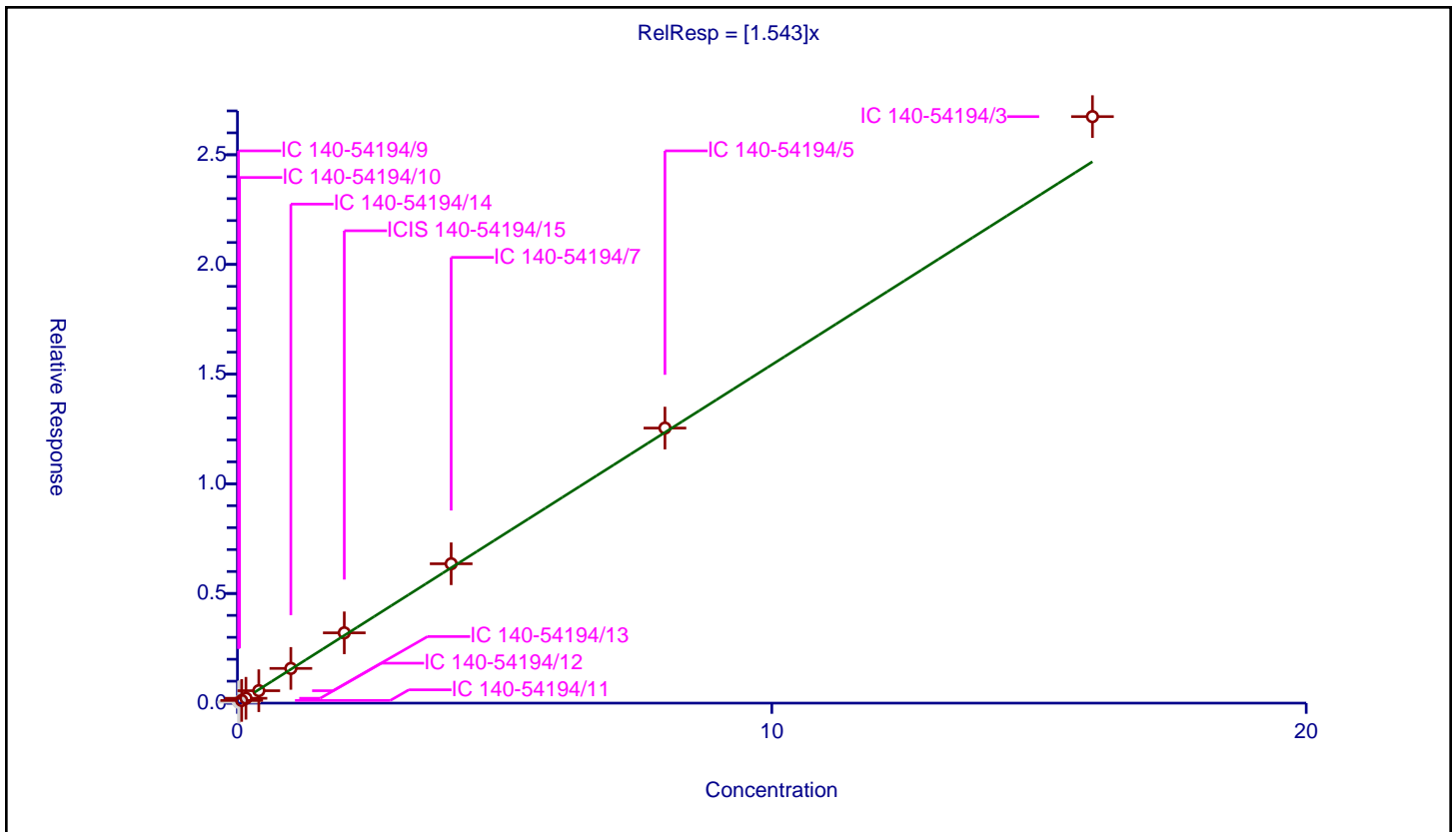
/ 4-Ethyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	1.543

Error Coefficients	
Standard Error:	2790000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.04306	4.8	1142935.0	2.152983	N
2	IC 140-54194/10	0.04	0.068238	4.8	1100647.0	1.705942	N
3	IC 140-54194/11	0.08	0.122011	4.8	1095950.0	1.525143	Y
4	IC 140-54194/12	0.16	0.222076	4.8	1085079.0	1.387973	Y
5	IC 140-54194/13	0.4	0.567029	4.8	1065707.0	1.417572	Y
6	IC 140-54194/14	1.0	1.582352	4.8	1013864.0	1.582352	Y
7	ICIS 140-54194/15	2.0	3.204345	4.8	1045014.0	1.602173	Y
8	IC 140-54194/7	4.0	6.352998	4.8	1145953.0	1.588249	Y
9	IC 140-54194/5	8.0	12.540206	4.8	1238986.0	1.567526	Y
10	IC 140-54194/3	16.0	26.738361	4.8	1148651.0	1.671148	Y



Calibration

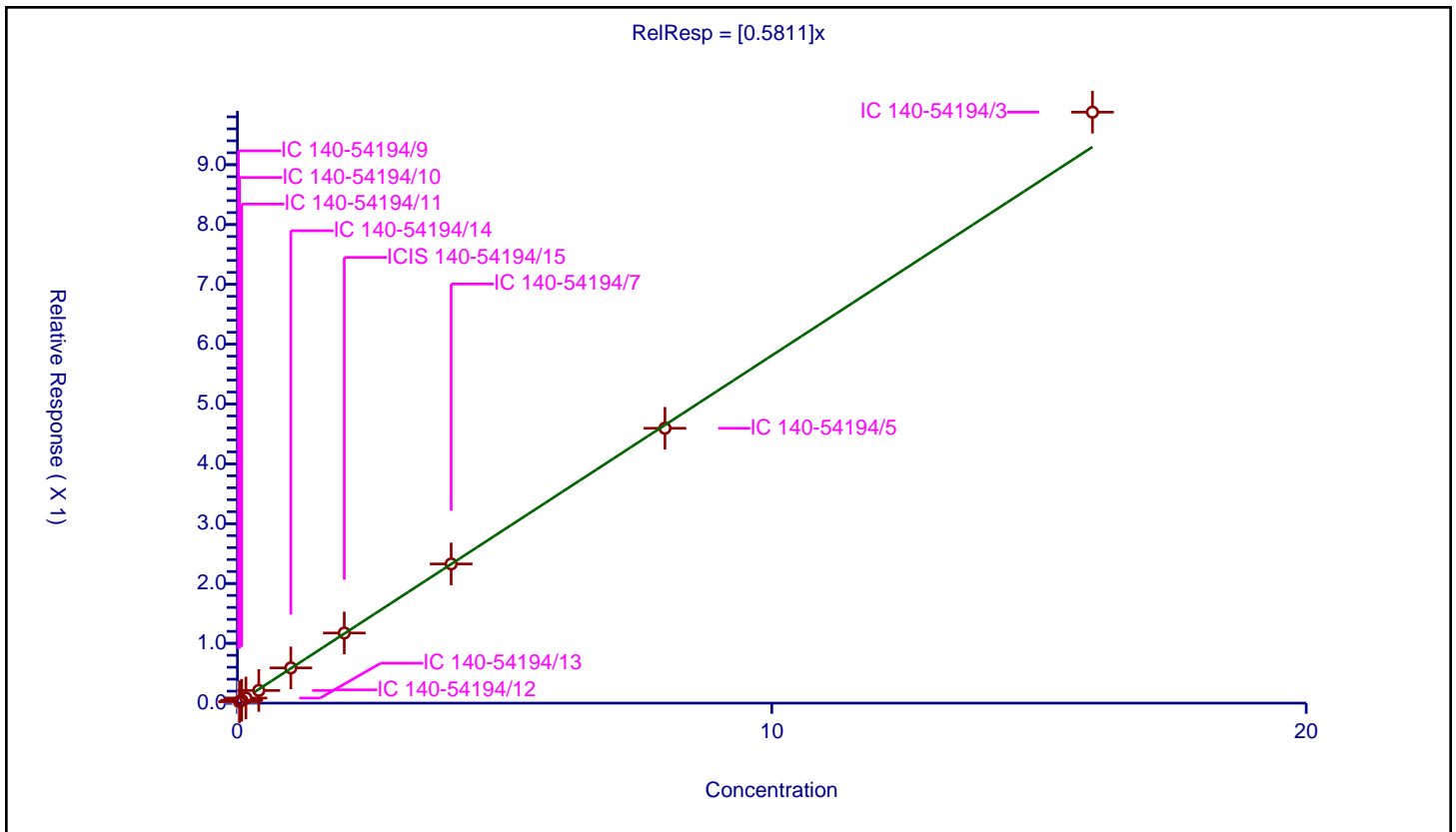
/ 1,3,5-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5811

Error Coefficients	
Standard Error:	961000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.015871	4.8	1142935.0	0.793536	N
2	IC 140-54194/10	0.04	0.024213	4.8	1100647.0	0.605317	Y
3	IC 140-54194/11	0.08	0.04876	4.8	1095950.0	0.609499	Y
4	IC 140-54194/12	0.16	0.085779	4.8	1085079.0	0.536118	Y
5	IC 140-54194/13	0.4	0.211866	4.8	1065707.0	0.529665	Y
6	IC 140-54194/14	1.0	0.589191	4.8	1013864.0	0.589191	Y
7	ICIS 140-54194/15	2.0	1.172622	4.8	1045014.0	0.586311	Y
8	IC 140-54194/7	4.0	2.327002	4.8	1145953.0	0.581751	Y
9	IC 140-54194/5	8.0	4.594942	4.8	1238986.0	0.574368	Y
10	IC 140-54194/3	16.0	9.878276	4.8	1148651.0	0.617392	Y



Calibration

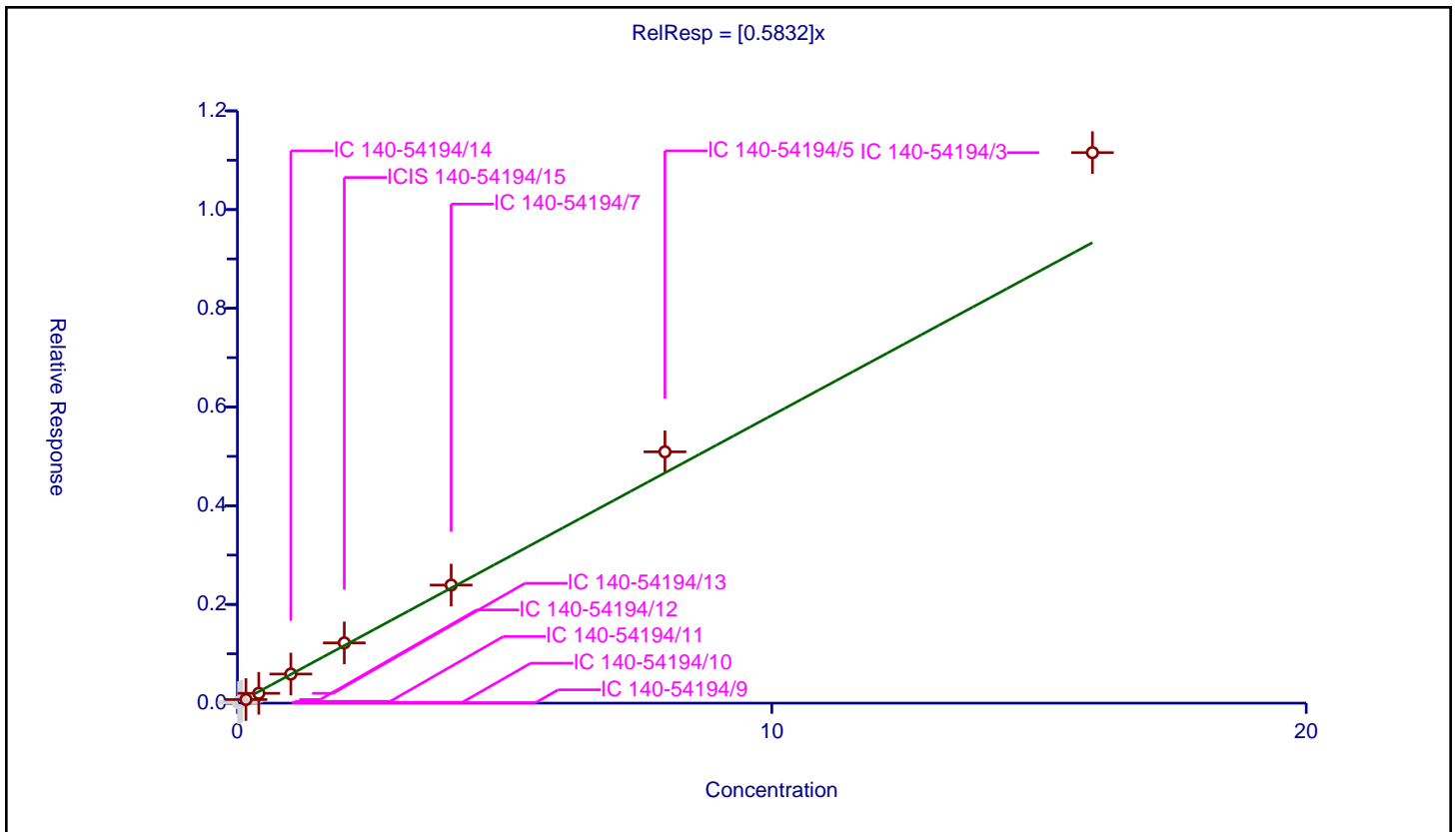
/ Alpha Methyl Styrene

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

Curve Coefficients	
Intercept:	0
Slope:	0.5832

Error Coefficients	
Standard Error:	1240000
Relative Standard Error:	14.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.009361	4.8	1142935.0	0.468058	N
2	IC 140-54194/10	0.04	0.017488	4.8	1100647.0	0.437197	N
3	IC 140-54194/11	0.08	0.036917	4.8	1095950.0	0.461463	N
4	IC 140-54194/12	0.16	0.072481	4.8	1085079.0	0.453008	Y
5	IC 140-54194/13	0.4	0.199061	4.8	1065707.0	0.497653	Y
6	IC 140-54194/14	1.0	0.589599	4.8	1013864.0	0.589599	Y
7	ICIS 140-54194/15	2.0	1.220755	4.8	1045014.0	0.610377	Y
8	IC 140-54194/7	4.0	2.39201	4.8	1145953.0	0.598003	Y
9	IC 140-54194/5	8.0	5.091788	4.8	1238986.0	0.636474	Y
10	IC 140-54194/3	16.0	11.154319	4.8	1148651.0	0.697145	Y



Calibration

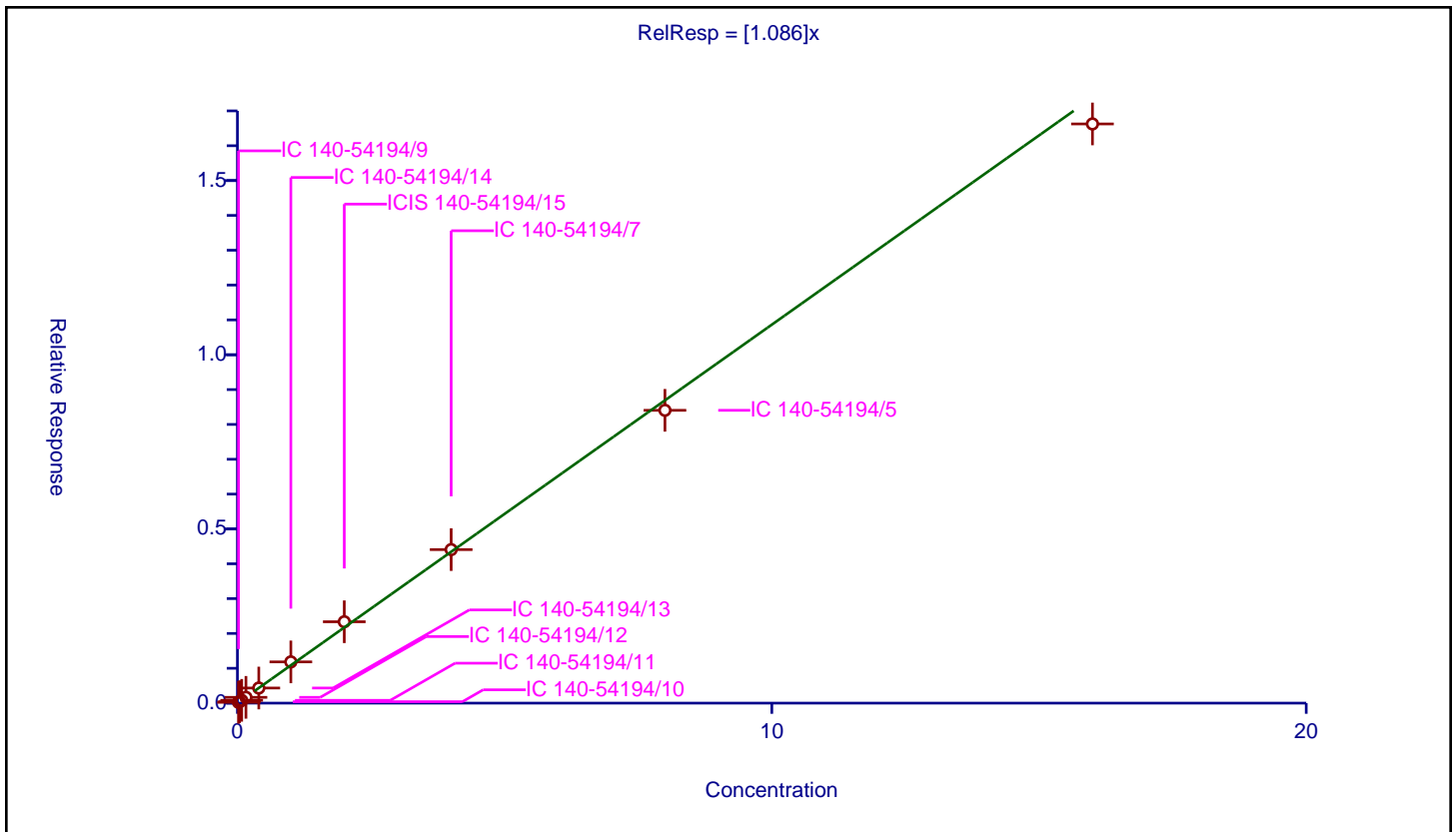
/ n-Decane

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

Curve Coefficients	
Intercept:	0
Slope:	1.086

Error Coefficients	
Standard Error:	1560000
Relative Standard Error:	5.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.022939	4.8	1142935.0	1.146942	Y
2	IC 140-54194/10	0.04	0.041714	4.8	1100647.0	1.042841	Y
3	IC 140-54194/11	0.08	0.080548	4.8	1095950.0	1.006853	Y
4	IC 140-54194/12	0.16	0.166289	4.8	1085079.0	1.039307	Y
5	IC 140-54194/13	0.4	0.433884	4.8	1065707.0	1.084711	Y
6	IC 140-54194/14	1.0	1.183496	4.8	1013864.0	1.183496	Y
7	ICIS 140-54194/15	2.0	2.335796	4.8	1045014.0	1.167898	Y
8	IC 140-54194/7	4.0	4.407029	4.8	1145953.0	1.101757	Y
9	IC 140-54194/5	8.0	8.405662	4.8	1238986.0	1.050708	Y
10	IC 140-54194/3	16.0	16.625762	4.8	1148651.0	1.03911	Y



Calibration

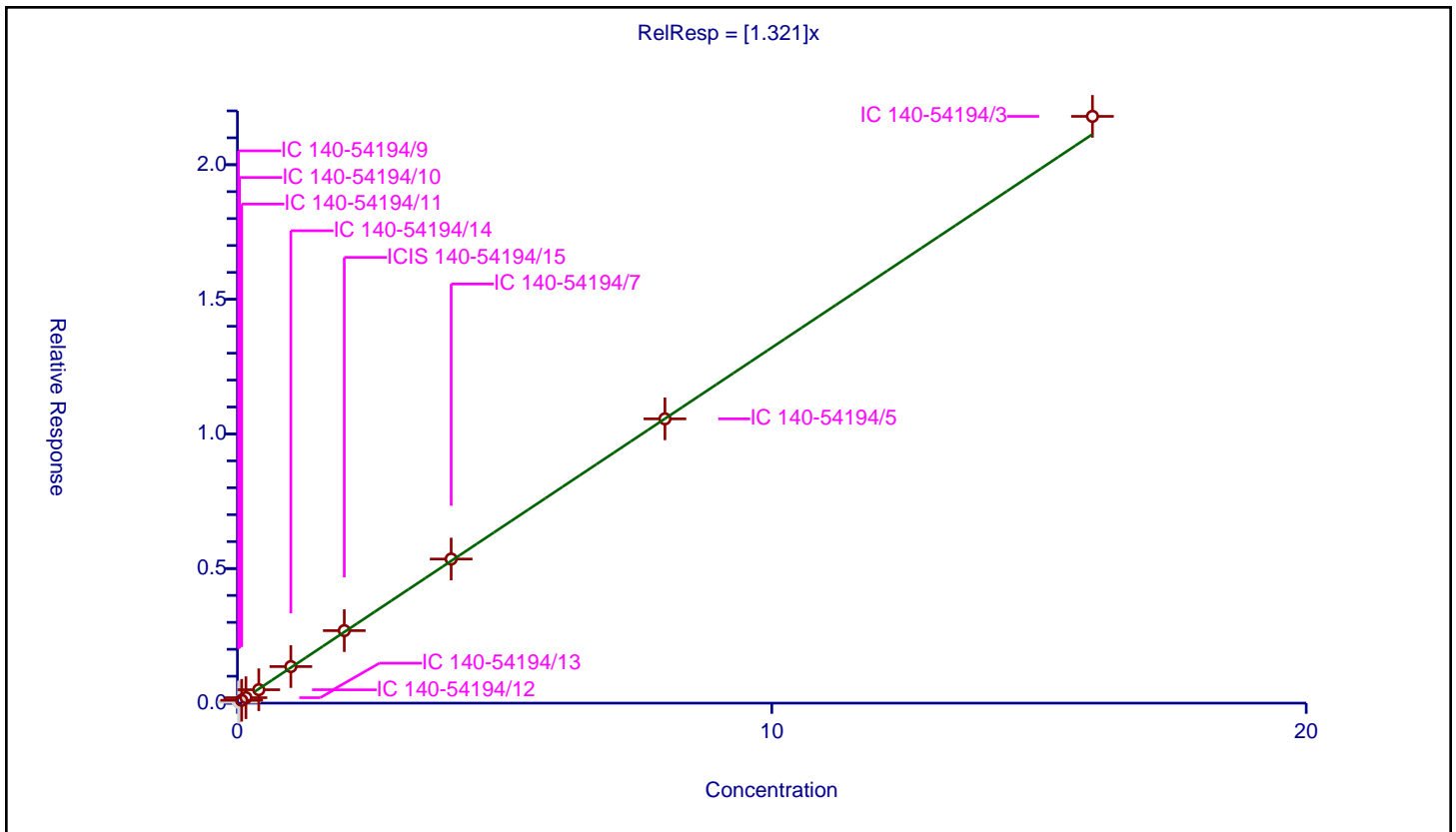
/ tert-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.321

Error Coefficients	
Standard Error:	2290000
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 140-54194/9	0.02	0.033371	4.8	1142935.0	1.668546	N
2	IC 140-54194/10	0.04	0.056179	4.8	1100647.0	1.404483	N
3	IC 140-54194/11	0.08	0.106678	4.8	1095950.0	1.333473	Y
4	IC 140-54194/12	0.16	0.201922	4.8	1085079.0	1.262009	Y
5	IC 140-54194/13	0.4	0.497959	4.8	1065707.0	1.244898	Y
6	IC 140-54194/14	1.0	1.357782	4.8	1013864.0	1.357782	Y
7	ICIS 140-54194/15	2.0	2.693687	4.8	1045014.0	1.346844	Y
8	IC 140-54194/7	4.0	5.353049	4.8	1145953.0	1.338262	Y
9	IC 140-54194/5	8.0	10.560294	4.8	1238986.0	1.320037	Y
10	IC 140-54194/3	16.0	21.79626	4.8	1148651.0	1.362266	Y



Calibration

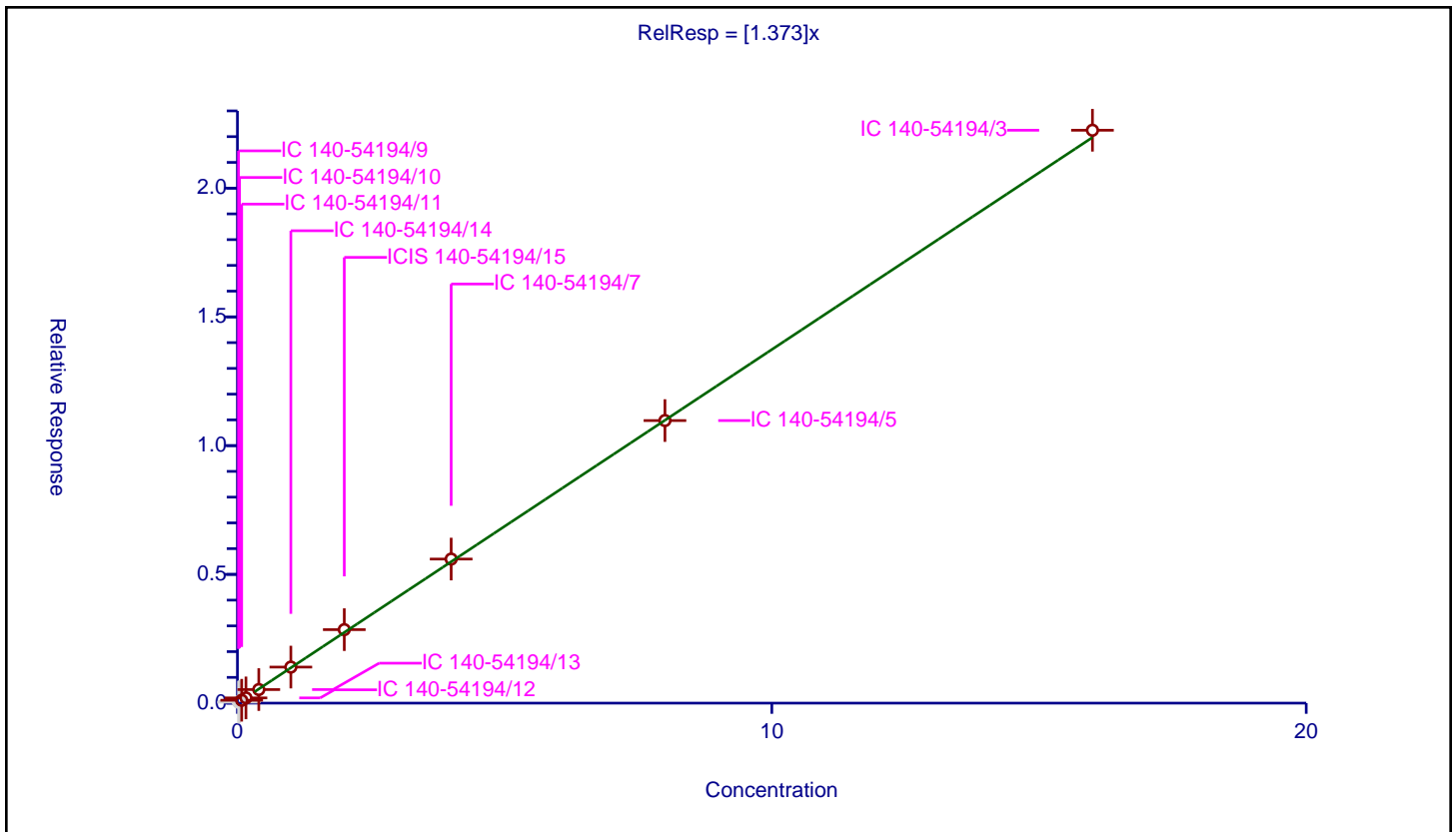
/ 1,2,4-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.373

Error Coefficients	
Standard Error:	2350000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.037289	4.8	1142935.0	1.864463	N
2	IC 140-54194/10	0.04	0.061495	4.8	1100647.0	1.537387	N
3	IC 140-54194/11	0.08	0.112446	4.8	1095950.0	1.405575	Y
4	IC 140-54194/12	0.16	0.203722	4.8	1085079.0	1.273262	Y
5	IC 140-54194/13	0.4	0.527109	4.8	1065707.0	1.317773	Y
6	IC 140-54194/14	1.0	1.400178	4.8	1013864.0	1.400178	Y
7	ICIS 140-54194/15	2.0	2.854588	4.8	1045014.0	1.427294	Y
8	IC 140-54194/7	4.0	5.595124	4.8	1145953.0	1.398781	Y
9	IC 140-54194/5	8.0	10.973478	4.8	1238986.0	1.371685	Y
10	IC 140-54194/3	16.0	22.24756	4.8	1148651.0	1.390472	Y



Calibration

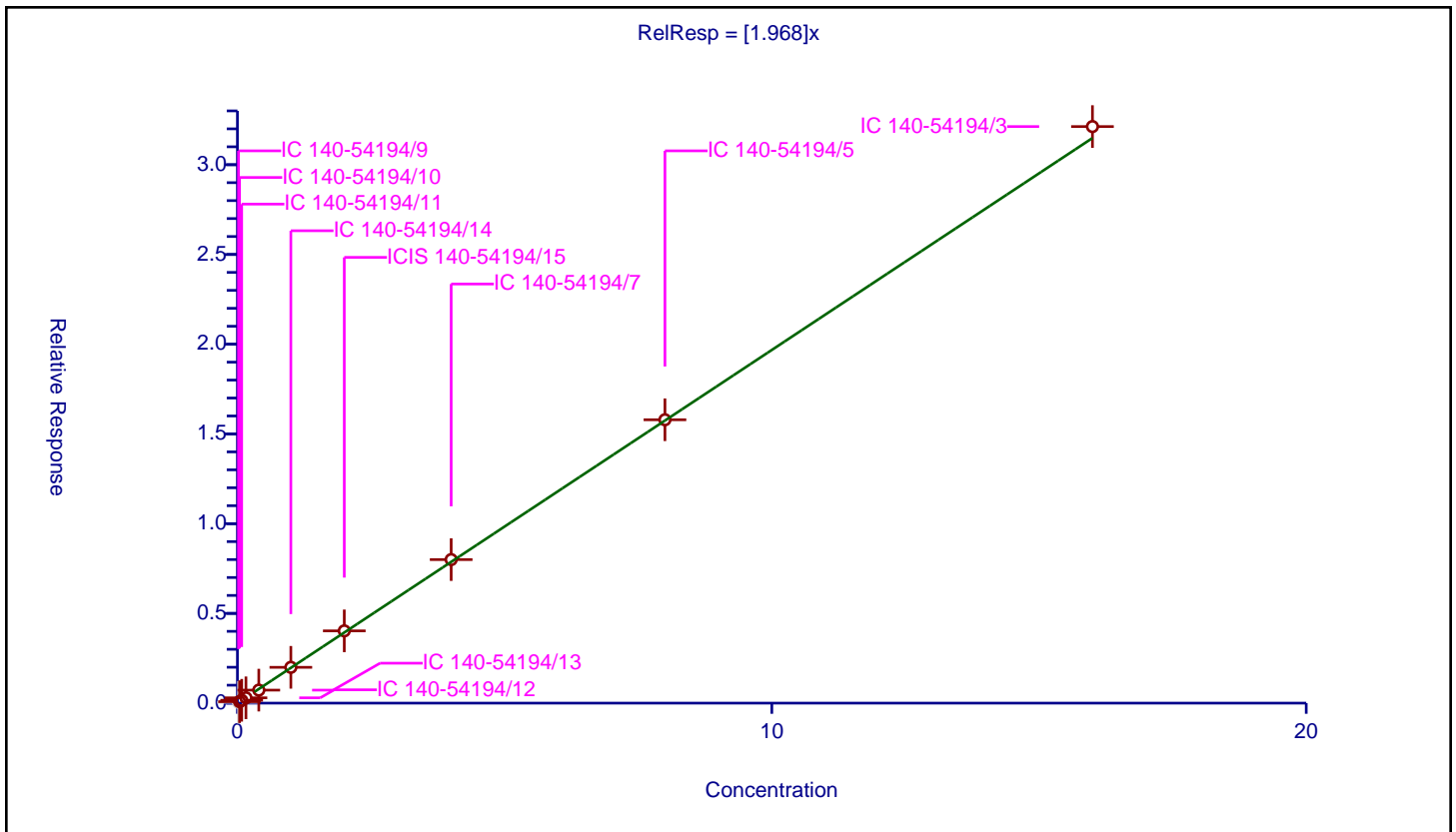
/ sec-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.968

Error Coefficients	
Standard Error:	3170000
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 140-54194/9	0.02	0.048158	4.8	1142935.0	2.407906	N
2	IC 140-54194/10	0.04	0.082799	4.8	1100647.0	2.069982	Y
3	IC 140-54194/11	0.08	0.159305	4.8	1095950.0	1.991313	Y
4	IC 140-54194/12	0.16	0.295362	4.8	1085079.0	1.846013	Y
5	IC 140-54194/13	0.4	0.725414	4.8	1065707.0	1.813534	Y
6	IC 140-54194/14	1.0	1.994857	4.8	1013864.0	1.994857	Y
7	ICIS 140-54194/15	2.0	4.027298	4.8	1045014.0	2.013649	Y
8	IC 140-54194/7	4.0	7.998506	4.8	1145953.0	1.999627	Y
9	IC 140-54194/5	8.0	15.790183	4.8	1238986.0	1.973773	Y
10	IC 140-54194/3	16.0	32.126019	4.8	1148651.0	2.007876	Y



Calibration

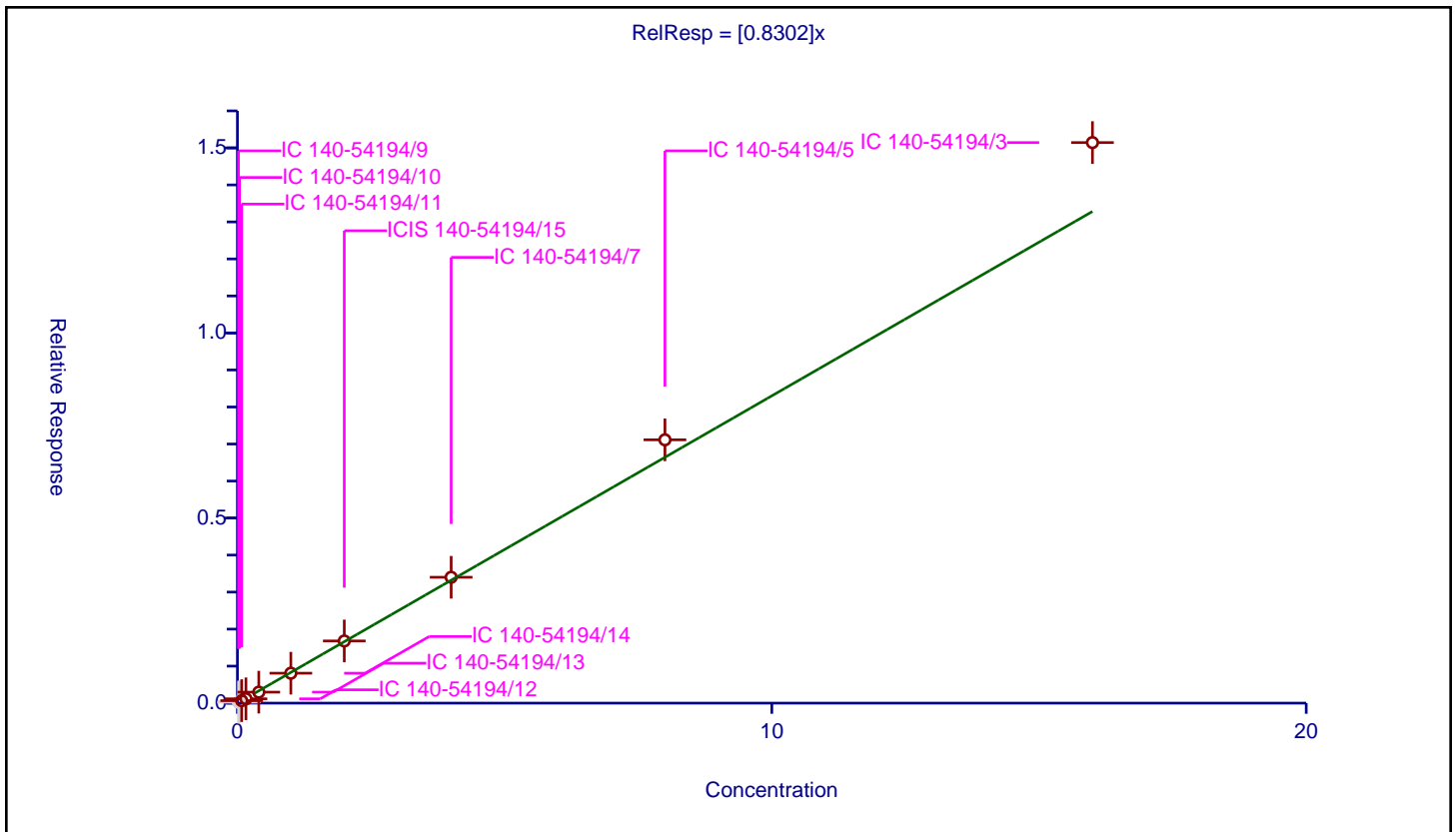
/ 1,3-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8302

Error Coefficients	
Standard Error:	1570000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.025265	4.8	1142935.0	1.263274	N
2	IC 140-54194/10	0.04	0.037789	4.8	1100647.0	0.944717	N
3	IC 140-54194/11	0.08	0.066914	4.8	1095950.0	0.836425	Y
4	IC 140-54194/12	0.16	0.116797	4.8	1085079.0	0.729984	Y
5	IC 140-54194/13	0.4	0.296479	4.8	1065707.0	0.741198	Y
6	IC 140-54194/14	1.0	0.808156	4.8	1013864.0	0.808156	Y
7	ICIS 140-54194/15	2.0	1.679651	4.8	1045014.0	0.839826	Y
8	IC 140-54194/7	4.0	3.400186	4.8	1145953.0	0.850046	Y
9	IC 140-54194/5	8.0	7.113607	4.8	1238986.0	0.889201	Y
10	IC 140-54194/3	16.0	15.14362	4.8	1148651.0	0.946476	Y



Calibration

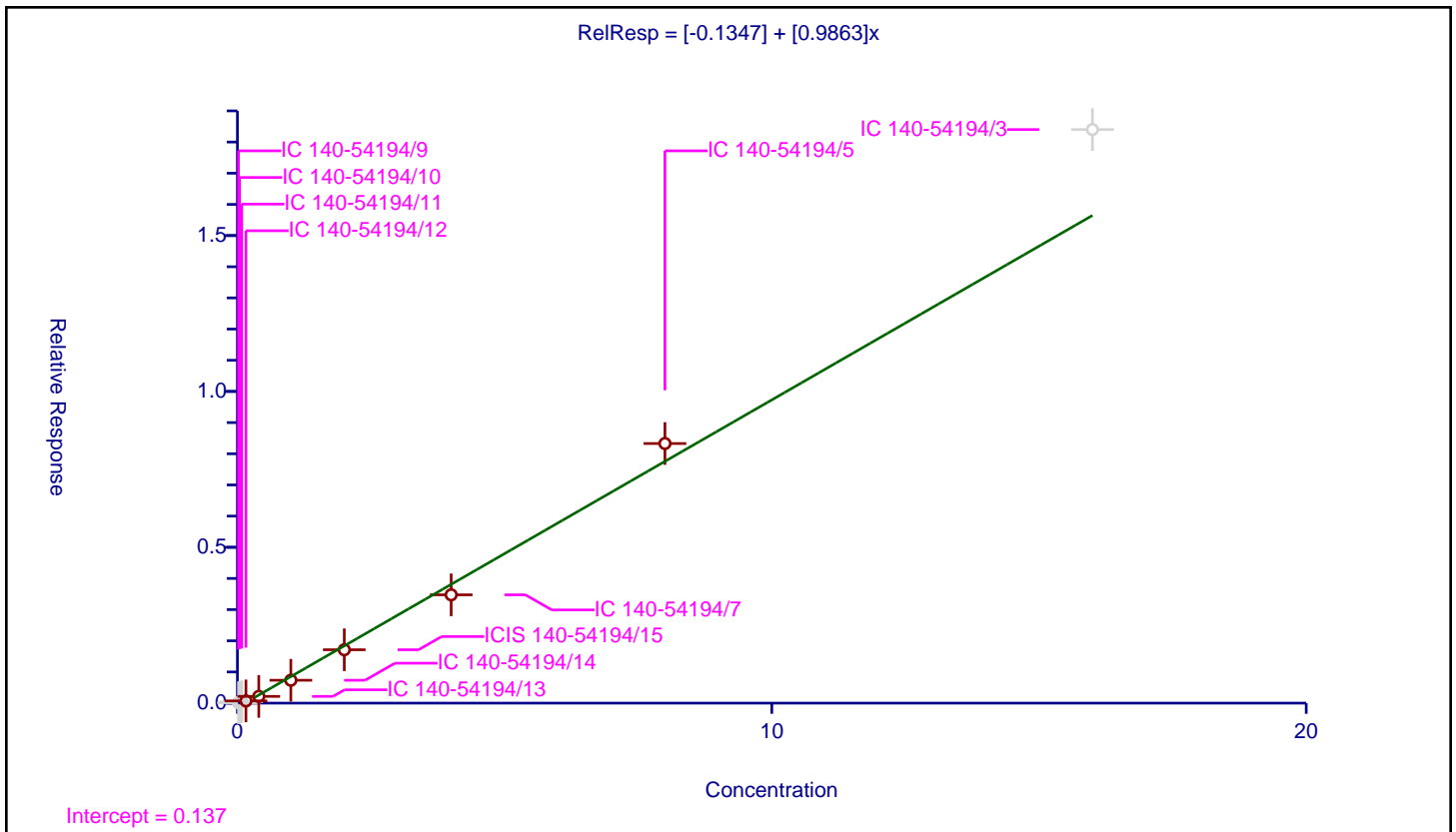
/ Benzyl chloride

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

Curve Coefficients	
Intercept:	-0.1347
Slope:	0.9863

Error Coefficients	
Standard Error:	1170000
Relative Standard Error:	18.4
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.01341	4.8	1142935.0	0.670484	N
2	IC 140-54194/10	0.04	0.025499	4.8	1100647.0	0.63748	N
3	IC 140-54194/11	0.08	0.044227	4.8	1095950.0	0.552835	N
4	IC 140-54194/12	0.16	0.071256	4.8	1085079.0	0.44535	Y
5	IC 140-54194/13	0.4	0.216176	4.8	1065707.0	0.540441	Y
6	IC 140-54194/14	1.0	0.734726	4.8	1013864.0	0.734726	Y
7	ICIS 140-54194/15	2.0	1.7127	4.8	1045014.0	0.85635	Y
8	IC 140-54194/7	4.0	3.47502	4.8	1145953.0	0.868755	Y
9	IC 140-54194/5	8.0	8.328501	4.8	1238986.0	1.041063	Y
10	IC 140-54194/3	16.0	18.401161	4.8	1148651.0	1.150073	N



Calibration

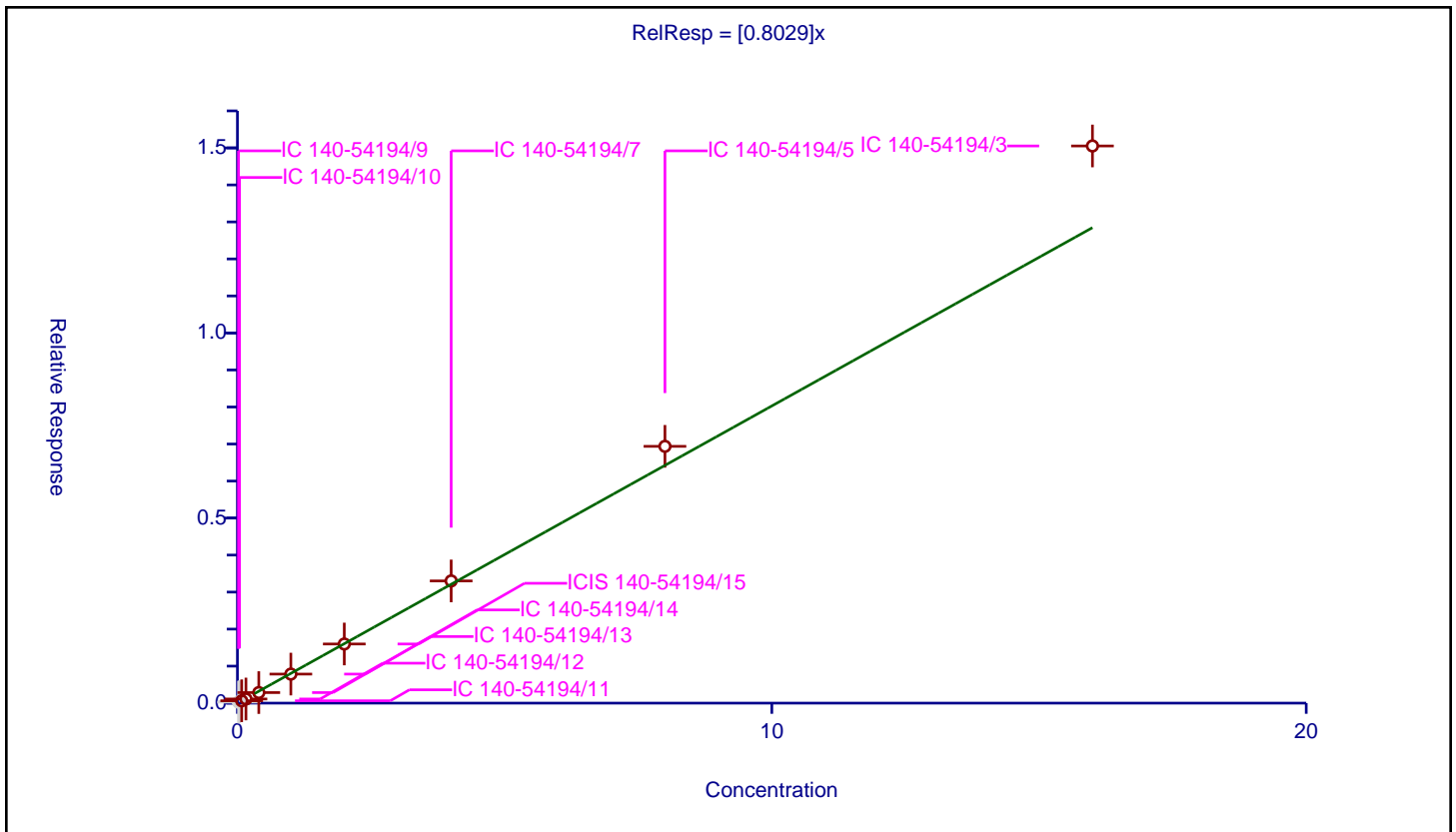
/ 1,4-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8029

Error Coefficients	
Standard Error:	1560000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.02784	4.8	1142935.0	1.391995	N
2	IC 140-54194/10	0.04	0.039825	4.8	1100647.0	0.995633	N
3	IC 140-54194/11	0.08	0.063472	4.8	1095950.0	0.793394	Y
4	IC 140-54194/12	0.16	0.111852	4.8	1085079.0	0.699074	Y
5	IC 140-54194/13	0.4	0.285354	4.8	1065707.0	0.713386	Y
6	IC 140-54194/14	1.0	0.784749	4.8	1013864.0	0.784749	Y
7	ICIS 140-54194/15	2.0	1.597634	4.8	1045014.0	0.798817	Y
8	IC 140-54194/7	4.0	3.301744	4.8	1145953.0	0.825436	Y
9	IC 140-54194/5	8.0	6.937527	4.8	1238986.0	0.867191	Y
10	IC 140-54194/3	16.0	15.052071	4.8	1148651.0	0.940754	Y



Calibration

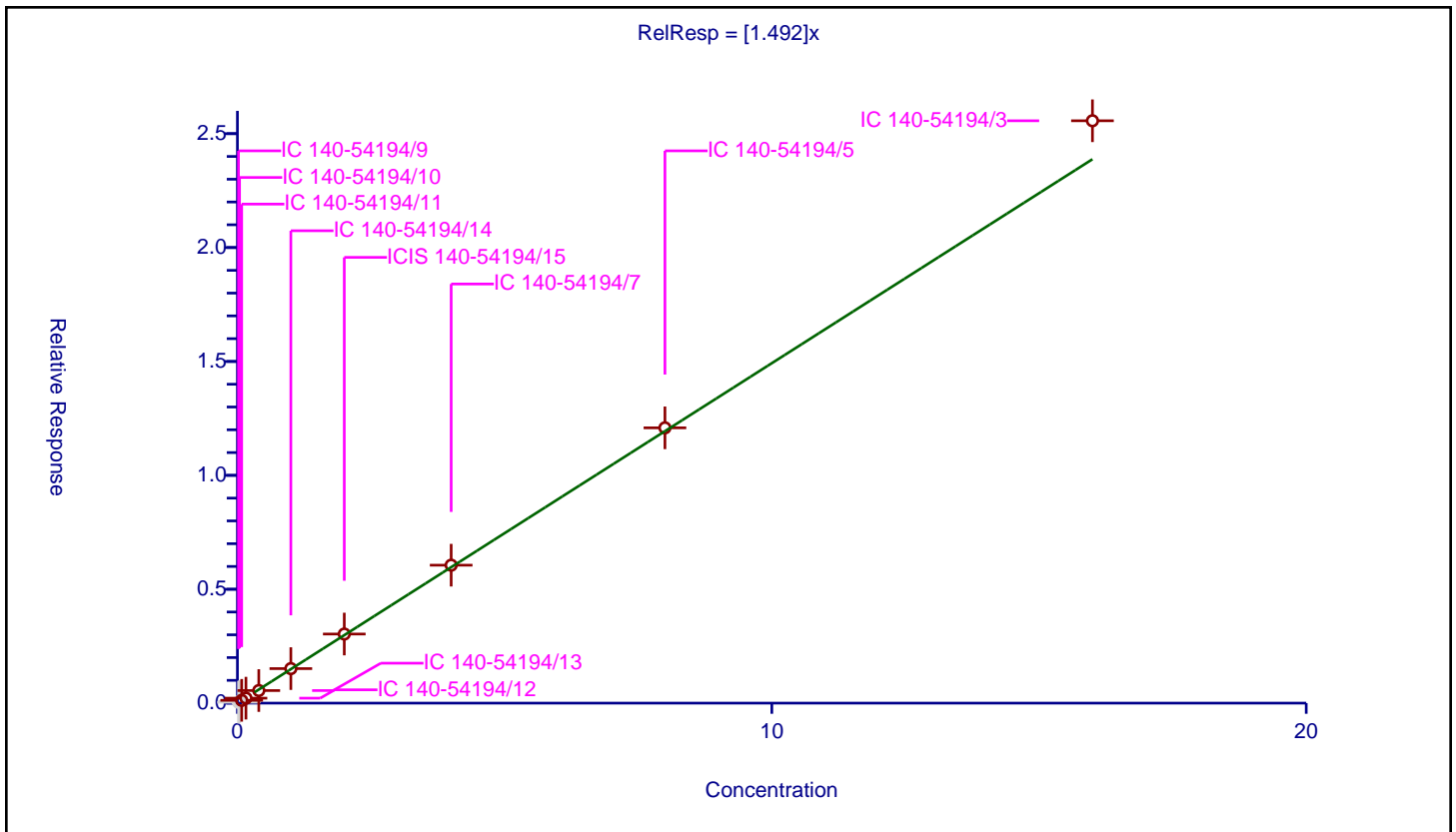
/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	1.492

Error Coefficients	
Standard Error:	2670000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.039171	4.8	1142935.0	1.958537	N
2	IC 140-54194/10	0.04	0.068229	4.8	1100647.0	1.705724	N
3	IC 140-54194/11	0.08	0.12319	4.8	1095950.0	1.53987	Y
4	IC 140-54194/12	0.16	0.217979	4.8	1085079.0	1.362371	Y
5	IC 140-54194/13	0.4	0.552512	4.8	1065707.0	1.38128	Y
6	IC 140-54194/14	1.0	1.515891	4.8	1013864.0	1.515891	Y
7	ICIS 140-54194/15	2.0	3.033339	4.8	1045014.0	1.516669	Y
8	IC 140-54194/7	4.0	6.055767	4.8	1145953.0	1.513942	Y
9	IC 140-54194/5	8.0	12.085924	4.8	1238986.0	1.510741	Y
10	IC 140-54194/3	16.0	25.566103	4.8	1148651.0	1.597881	Y



Calibration

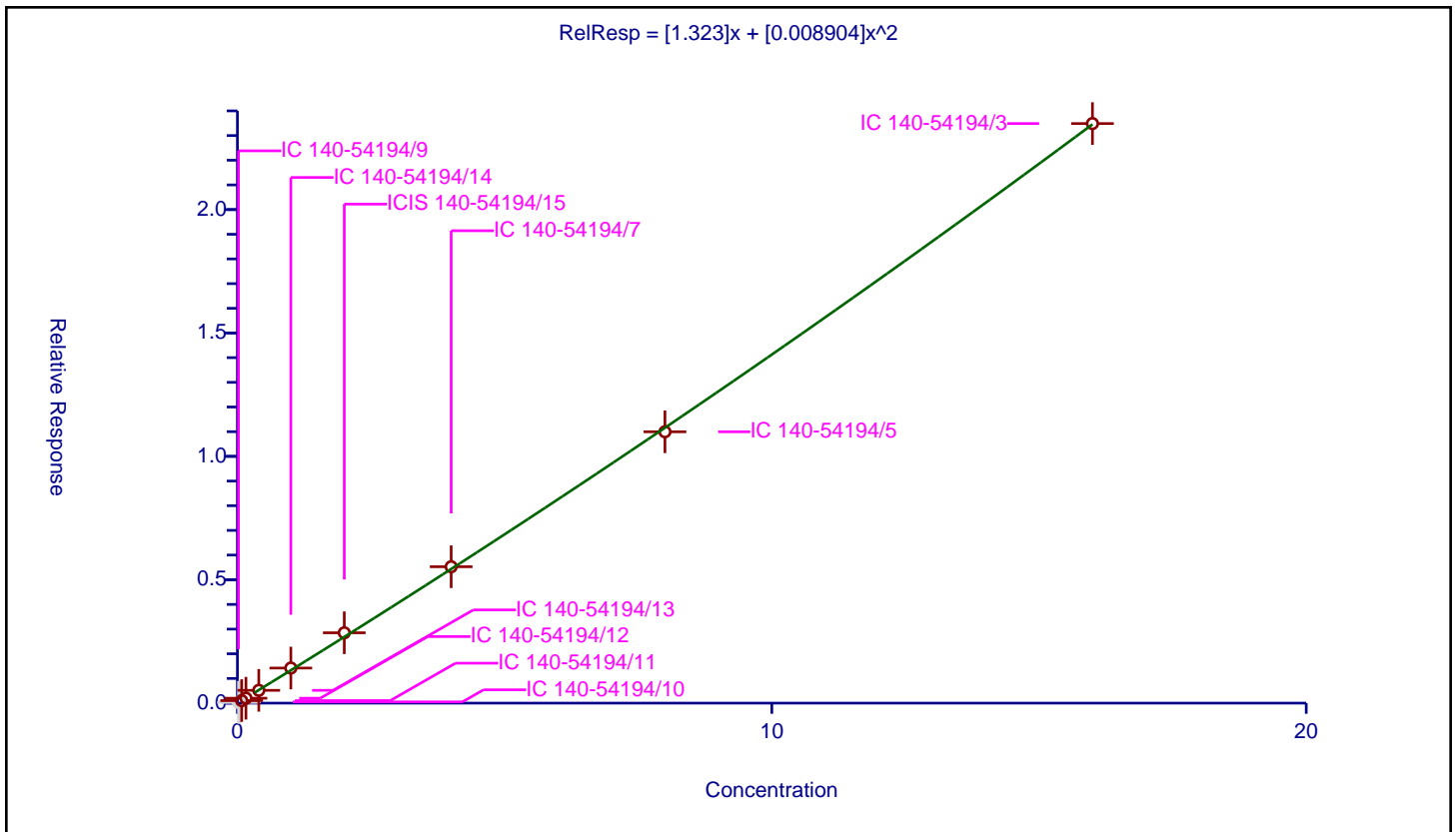
/ 1,2,3-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.323
Second Order:	0.008904

Error Coefficients	
Standard Error:	2640000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.028449	4.8	1142935.0	1.422443	N
2	IC 140-54194/10	0.04	0.050366	4.8	1100647.0	1.25915	N
3	IC 140-54194/11	0.08	0.103073	4.8	1095950.0	1.288416	Y
4	IC 140-54194/12	0.16	0.199502	4.8	1085079.0	1.246886	Y
5	IC 140-54194/13	0.4	0.518741	4.8	1065707.0	1.296852	Y
6	IC 140-54194/14	1.0	1.421985	4.8	1013864.0	1.421985	Y
7	ICIS 140-54194/15	2.0	2.850546	4.8	1045014.0	1.425273	Y
8	IC 140-54194/7	4.0	5.527121	4.8	1145953.0	1.38178	Y
9	IC 140-54194/5	8.0	10.99644	4.8	1238986.0	1.374555	Y
10	IC 140-54194/3	16.0	23.486114	4.8	1148651.0	1.467882	Y



Calibration

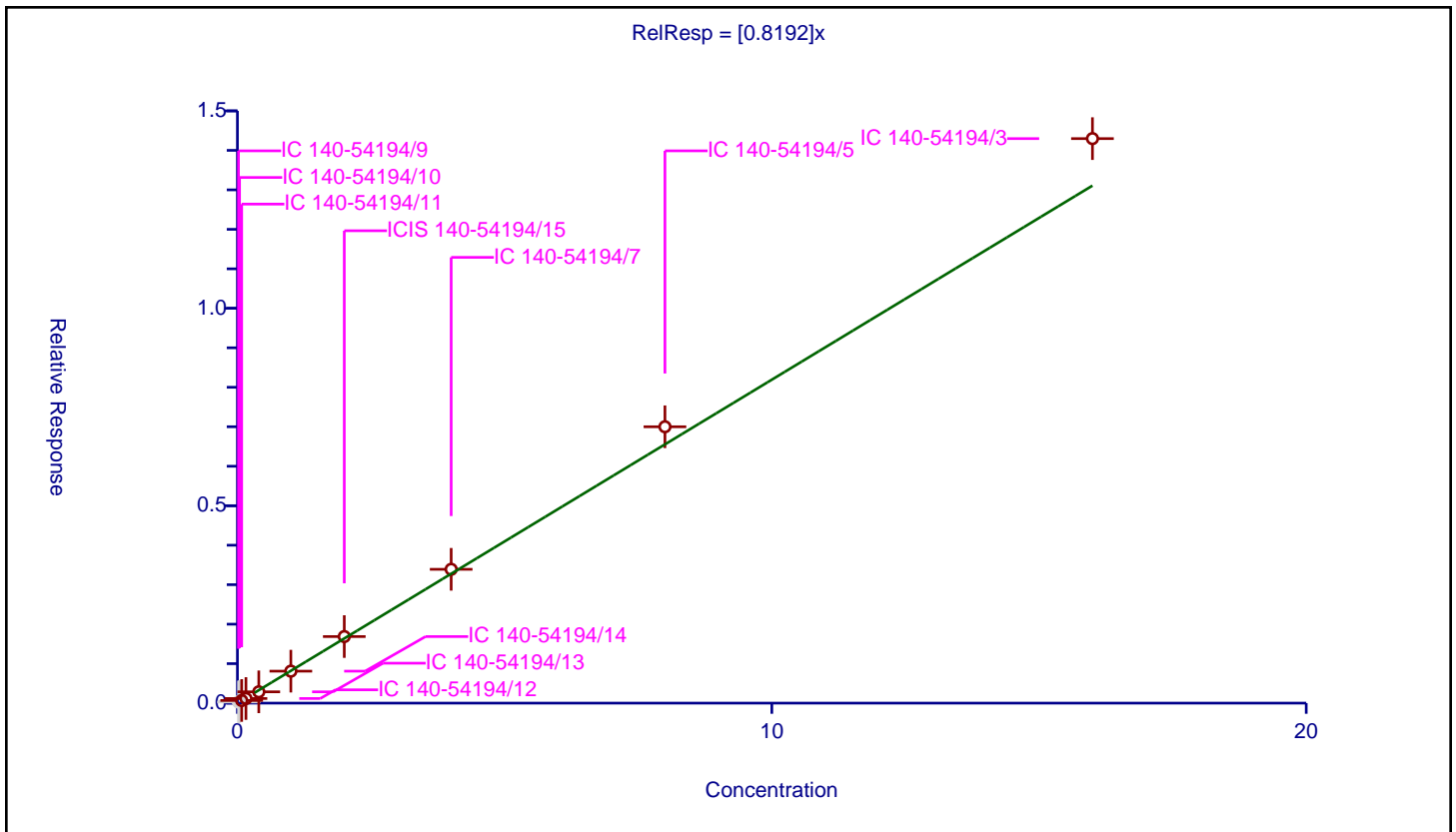
/ 1,2-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.8192

Error Coefficients	
Standard Error:	1500000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.028961	4.8	1142935.0	1.448061	N
2	IC 140-54194/10	0.04	0.041849	4.8	1100647.0	1.046221	N
3	IC 140-54194/11	0.08	0.066984	4.8	1095950.0	0.837301	Y
4	IC 140-54194/12	0.16	0.116988	4.8	1085079.0	0.731173	Y
5	IC 140-54194/13	0.4	0.286471	4.8	1065707.0	0.716178	Y
6	IC 140-54194/14	1.0	0.809595	4.8	1013864.0	0.809595	Y
7	ICIS 140-54194/15	2.0	1.686376	4.8	1045014.0	0.843188	Y
8	IC 140-54194/7	4.0	3.389437	4.8	1145953.0	0.847359	Y
9	IC 140-54194/5	8.0	6.999703	4.8	1238986.0	0.874963	Y
10	IC 140-54194/3	16.0	14.297832	4.8	1148651.0	0.893615	Y



Calibration

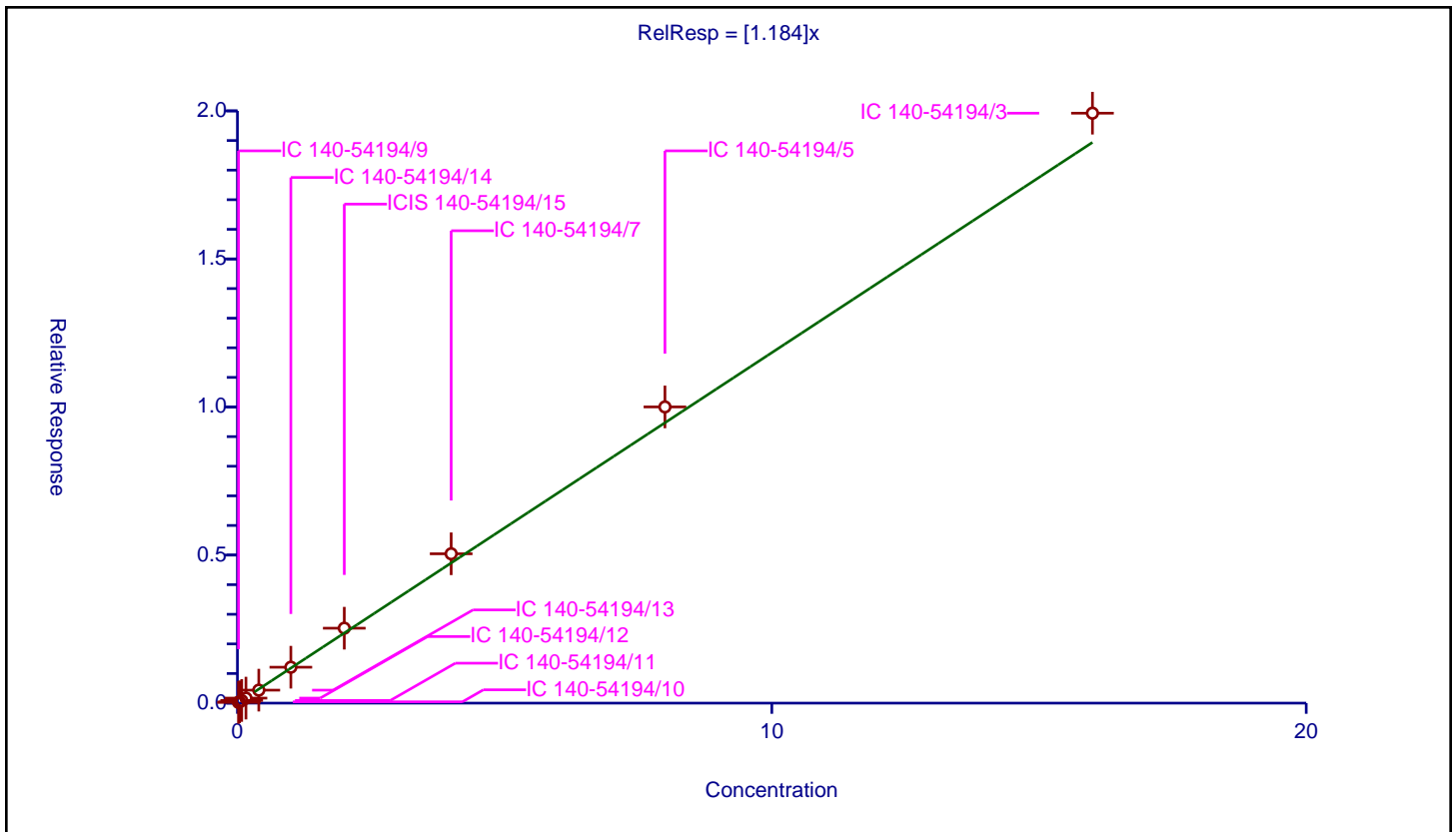
/ 2,3-Dihydroindene

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

Curve Coefficients	
Intercept:	0
Slope:	1.184

Error Coefficients	
Standard Error:	1860000
Relative Standard Error:	6.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.024333	4.8	1142935.0	1.216657	Y
2	IC 140-54194/10	0.04	0.044496	4.8	1100647.0	1.1124	Y
3	IC 140-54194/11	0.08	0.089062	4.8	1095950.0	1.113281	Y
4	IC 140-54194/12	0.16	0.169961	4.8	1085079.0	1.062254	Y
5	IC 140-54194/13	0.4	0.438497	4.8	1065707.0	1.096241	Y
6	IC 140-54194/14	1.0	1.212456	4.8	1013864.0	1.212456	Y
7	ICIS 140-54194/15	2.0	2.530581	4.8	1045014.0	1.265291	Y
8	IC 140-54194/7	4.0	5.043918	4.8	1145953.0	1.260979	Y
9	IC 140-54194/5	8.0	10.002775	4.8	1238986.0	1.250347	Y
10	IC 140-54194/3	16.0	19.922358	4.8	1148651.0	1.245147	Y



Calibration

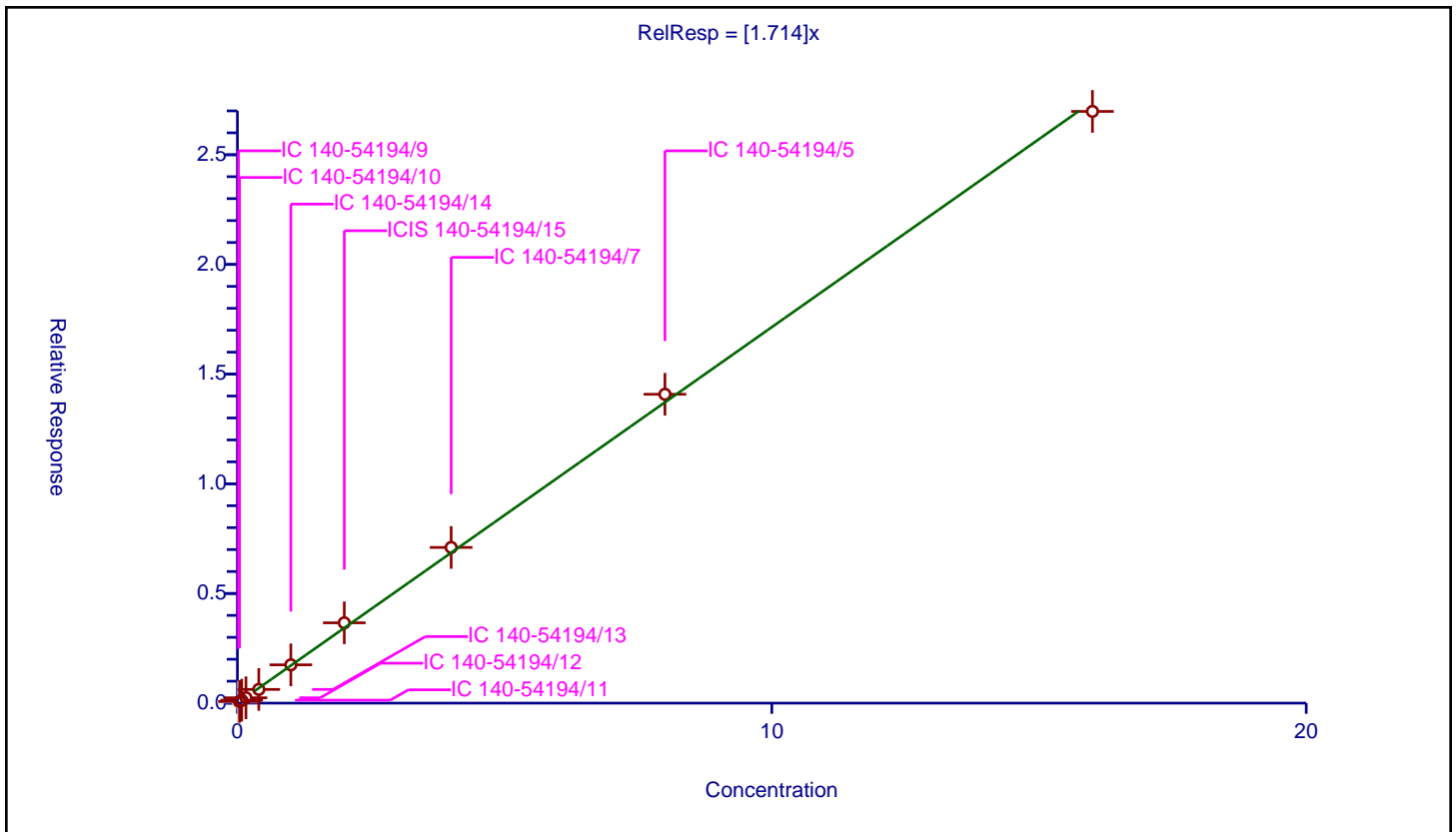
/ n-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.714

Error Coefficients	
Standard Error:	2710000
Relative Standard Error:	6.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.049834	4.8	1142935.0	2.49169	N
2	IC 140-54194/10	0.04	0.073759	4.8	1100647.0	1.84397	Y
3	IC 140-54194/11	0.08	0.135685	4.8	1095950.0	1.696063	Y
4	IC 140-54194/12	0.16	0.244685	4.8	1085079.0	1.52928	Y
5	IC 140-54194/13	0.4	0.624469	4.8	1065707.0	1.561172	Y
6	IC 140-54194/14	1.0	1.745687	4.8	1013864.0	1.745687	Y
7	ICIS 140-54194/15	2.0	3.661239	4.8	1045014.0	1.83062	Y
8	IC 140-54194/7	4.0	7.098168	4.8	1145953.0	1.774542	Y
9	IC 140-54194/5	8.0	14.080554	4.8	1238986.0	1.760069	Y
10	IC 140-54194/3	16.0	26.975801	4.8	1148651.0	1.685988	Y



Calibration

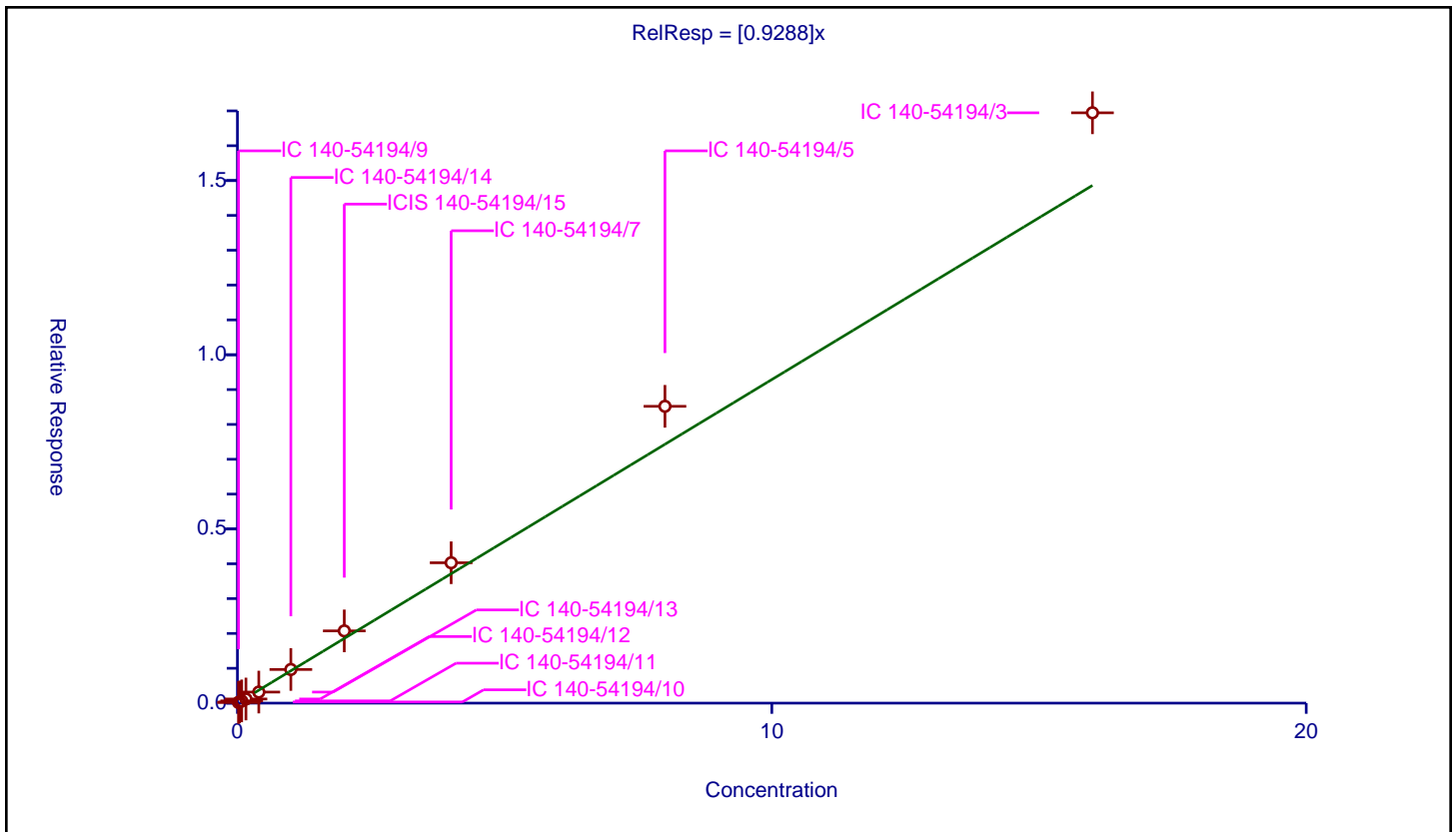
/ Indene

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

Curve Coefficients	
Intercept:	0
Slope:	0.9288

Error Coefficients	
Standard Error:	1580000
Relative Standard Error:	12.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.019012	4.8	1142935.0	0.950605	Y
2	IC 140-54194/10	0.04	0.034361	4.8	1100647.0	0.859022	Y
3	IC 140-54194/11	0.08	0.06447	4.8	1095950.0	0.805876	Y
4	IC 140-54194/12	0.16	0.118868	4.8	1085079.0	0.742923	Y
5	IC 140-54194/13	0.4	0.318018	4.8	1065707.0	0.795044	Y
6	IC 140-54194/14	1.0	0.96589	4.8	1013864.0	0.96589	Y
7	ICIS 140-54194/15	2.0	2.073421	4.8	1045014.0	1.03671	Y
8	IC 140-54194/7	4.0	4.02956	4.8	1145953.0	1.00739	Y
9	IC 140-54194/5	8.0	8.520274	4.8	1238986.0	1.065034	Y
10	IC 140-54194/3	16.0	16.945111	4.8	1148651.0	1.059069	Y



Calibration

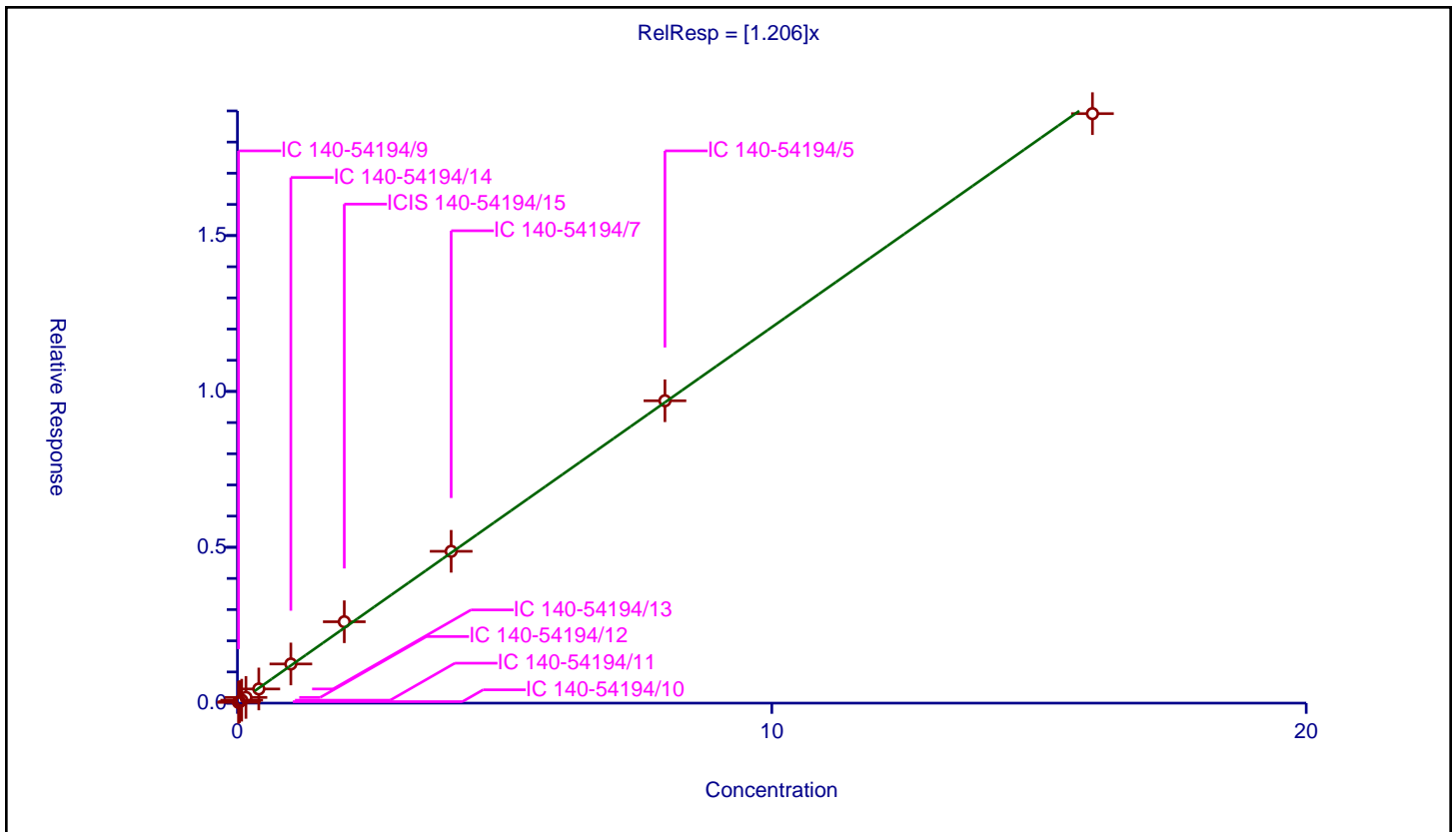
/ Undecane

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

Curve Coefficients	
Intercept:	0
Slope:	1.206

Error Coefficients	
Standard Error:	1780000
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 140-54194/9	0.02	0.024493	4.8	1142935.0	1.224637	Y
2	IC 140-54194/10	0.04	0.04795	4.8	1100647.0	1.198749	Y
3	IC 140-54194/11	0.08	0.094375	4.8	1095950.0	1.179689	Y
4	IC 140-54194/12	0.16	0.183462	4.8	1085079.0	1.146635	Y
5	IC 140-54194/13	0.4	0.454549	4.8	1065707.0	1.136372	Y
6	IC 140-54194/14	1.0	1.256756	4.8	1013864.0	1.256756	Y
7	ICIS 140-54194/15	2.0	2.611151	4.8	1045014.0	1.305576	Y
8	IC 140-54194/7	4.0	4.87042	4.8	1145953.0	1.217605	Y
9	IC 140-54194/5	8.0	9.700708	4.8	1238986.0	1.212589	Y
10	IC 140-54194/3	16.0	18.911979	4.8	1148651.0	1.181999	Y



Calibration

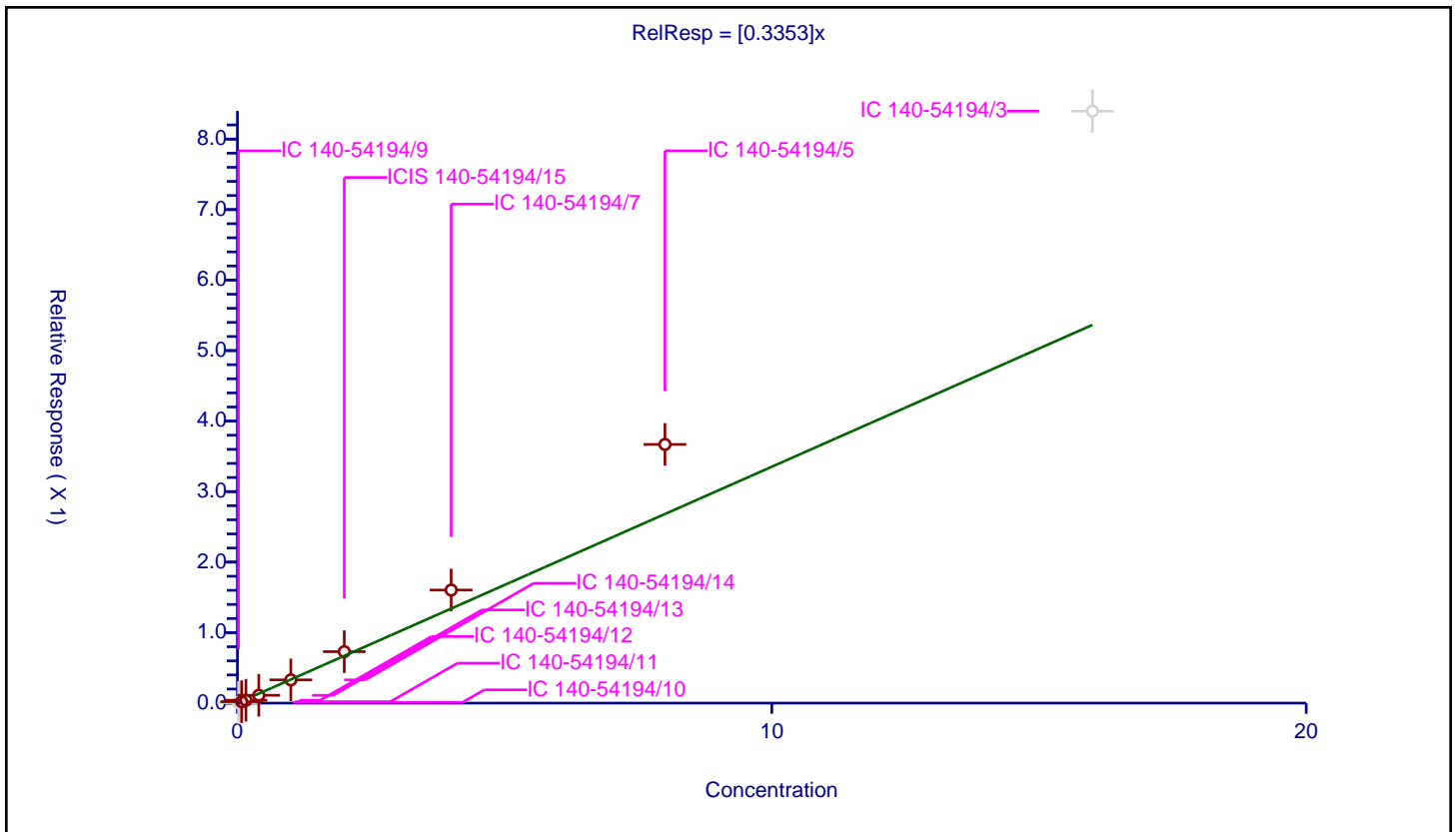
/ 1,2-Dibromo-3-Chloropropane

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

Curve Coefficients	
Intercept:	0
Slope:	0.3353

Error Coefficients	
Standard Error:	423000
Relative Standard Error:	23.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.943

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.007589	4.8	1142935.0	0.379444	N
2	IC 140-54194/10	0.04	0.010754	4.8	1100647.0	0.26886	N
3	IC 140-54194/11	0.08	0.020773	4.8	1095950.0	0.259665	Y
4	IC 140-54194/12	0.16	0.040976	4.8	1085079.0	0.256101	Y
5	IC 140-54194/13	0.4	0.110746	4.8	1065707.0	0.276864	Y
6	IC 140-54194/14	1.0	0.329535	4.8	1013864.0	0.329535	Y
7	ICIS 140-54194/15	2.0	0.730155	4.8	1045014.0	0.365078	Y
8	IC 140-54194/7	4.0	1.603944	4.8	1145953.0	0.400986	Y
9	IC 140-54194/5	8.0	3.669496	4.8	1238986.0	0.458687	Y
10	IC 140-54194/3	16.0	8.395912	4.8	1148651.0	0.524745	N



Calibration

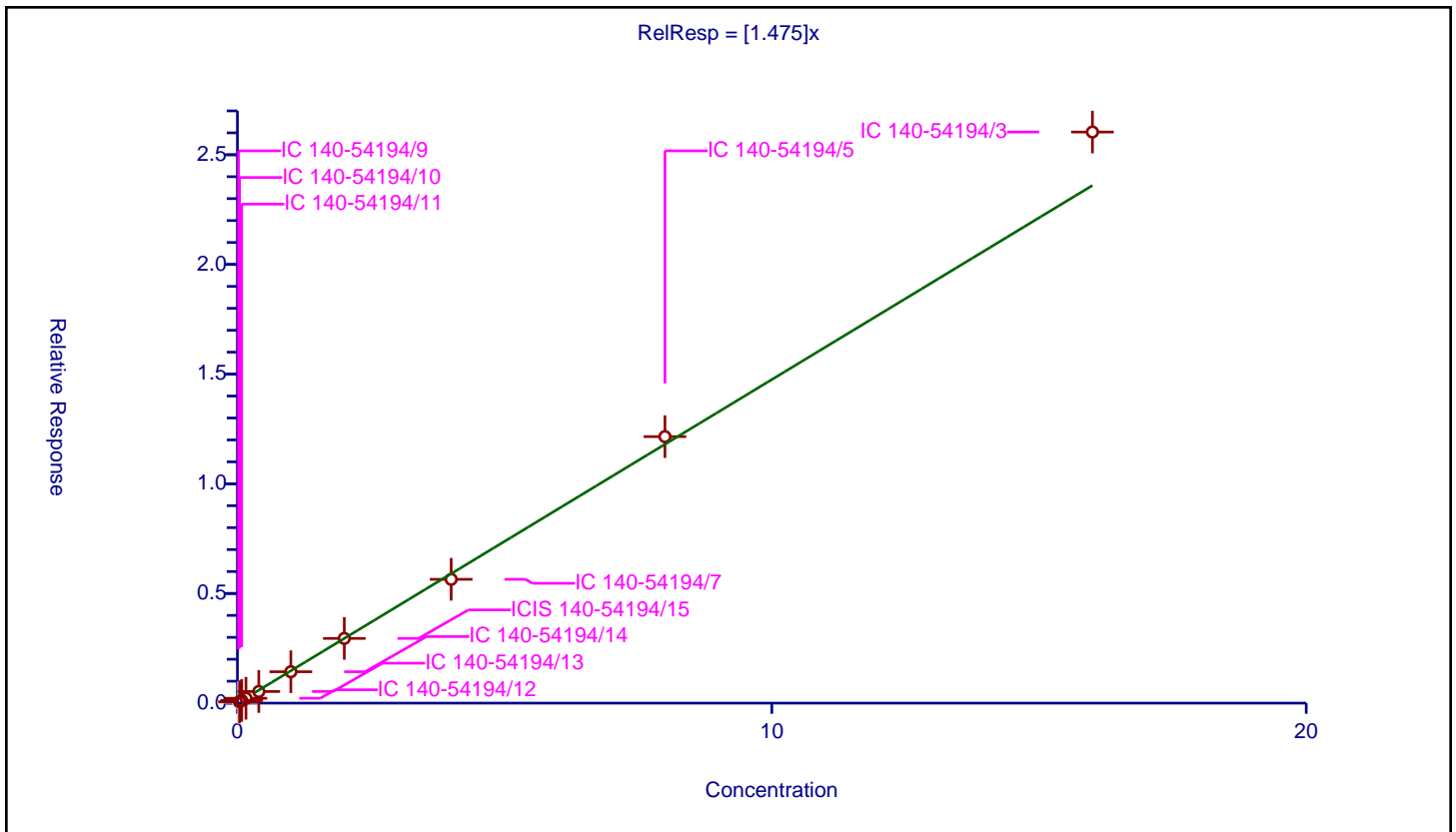
/ 1,2,4,5-Tetramethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	1.475

Error Coefficients	
Standard Error:	2520000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.037529	4.8	1142935.0	1.876432	N
2	IC 140-54194/10	0.04	0.062507	4.8	1100647.0	1.562681	Y
3	IC 140-54194/11	0.08	0.123098	4.8	1095950.0	1.53872	Y
4	IC 140-54194/12	0.16	0.221691	4.8	1085079.0	1.385567	Y
5	IC 140-54194/13	0.4	0.53028	4.8	1065707.0	1.3257	Y
6	IC 140-54194/14	1.0	1.430994	4.8	1013864.0	1.430994	Y
7	ICIS 140-54194/15	2.0	2.94982	4.8	1045014.0	1.47491	Y
8	IC 140-54194/7	4.0	5.644357	4.8	1145953.0	1.411089	Y
9	IC 140-54194/5	8.0	12.150297	4.8	1238986.0	1.518787	Y
10	IC 140-54194/3	16.0	26.035994	4.8	1148651.0	1.62725	Y



Calibration

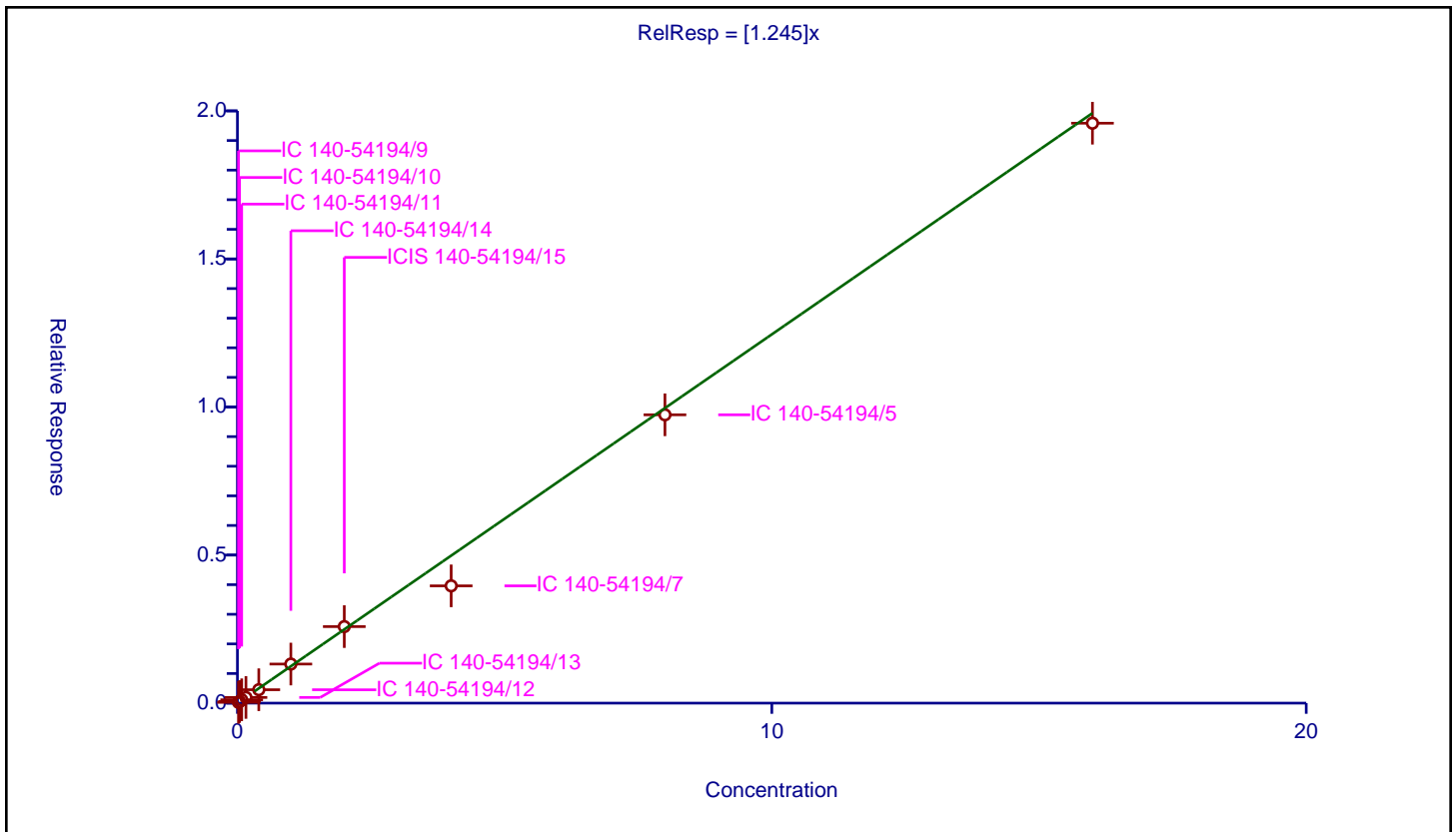
/ Dodecane

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

Curve Coefficients	
Intercept:	0
Slope:	1.245

Error Coefficients	
Standard Error:	1810000
Relative Standard Error:	9.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.026156	4.8	1142935.0	1.307791	Y
2	IC 140-54194/10	0.04	0.054444	4.8	1100647.0	1.36109	Y
3	IC 140-54194/11	0.08	0.112915	4.8	1095950.0	1.411433	Y
4	IC 140-54194/12	0.16	0.191606	4.8	1085079.0	1.197535	Y
5	IC 140-54194/13	0.4	0.452648	4.8	1065707.0	1.131621	Y
6	IC 140-54194/14	1.0	1.31994	4.8	1013864.0	1.31994	Y
7	ICIS 140-54194/15	2.0	2.584543	4.8	1045014.0	1.292271	Y
8	IC 140-54194/7	4.0	3.96072	4.8	1145953.0	0.99018	Y
9	IC 140-54194/5	8.0	9.736358	4.8	1238986.0	1.217045	Y
10	IC 140-54194/3	16.0	19.584706	4.8	1148651.0	1.224044	Y



Calibration

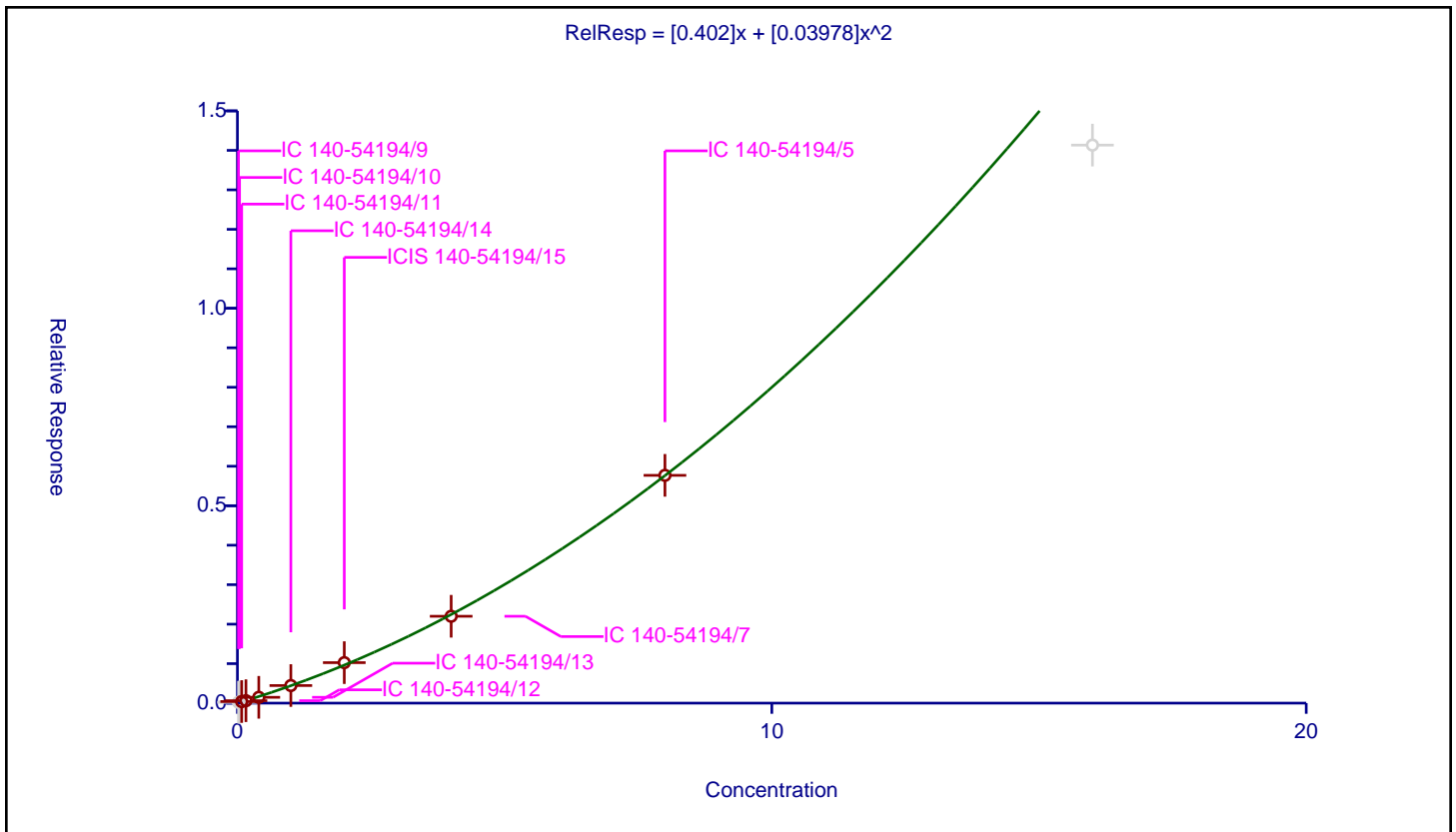
/ 1,2,4-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.402
Second Order:	0.03978

Error Coefficients	
Standard Error:	715000
Relative Standard Error:	11.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.021931	4.8	1142935.0	1.096545	N
2	IC 140-54194/10	0.04	0.025678	4.8	1100647.0	0.64195	N
3	IC 140-54194/11	0.08	0.039795	4.8	1095950.0	0.497431	Y
4	IC 140-54194/12	0.16	0.061449	4.8	1085079.0	0.384055	Y
5	IC 140-54194/13	0.4	0.147503	4.8	1065707.0	0.368758	Y
6	IC 140-54194/14	1.0	0.445371	4.8	1013864.0	0.445371	Y
7	ICIS 140-54194/15	2.0	1.02567	4.8	1045014.0	0.512835	Y
8	IC 140-54194/7	4.0	2.19986	4.8	1145953.0	0.549965	Y
9	IC 140-54194/5	8.0	5.769522	4.8	1238986.0	0.72119	Y
10	IC 140-54194/3	16.0	14.133387	4.8	1148651.0	0.883337	N



Calibration

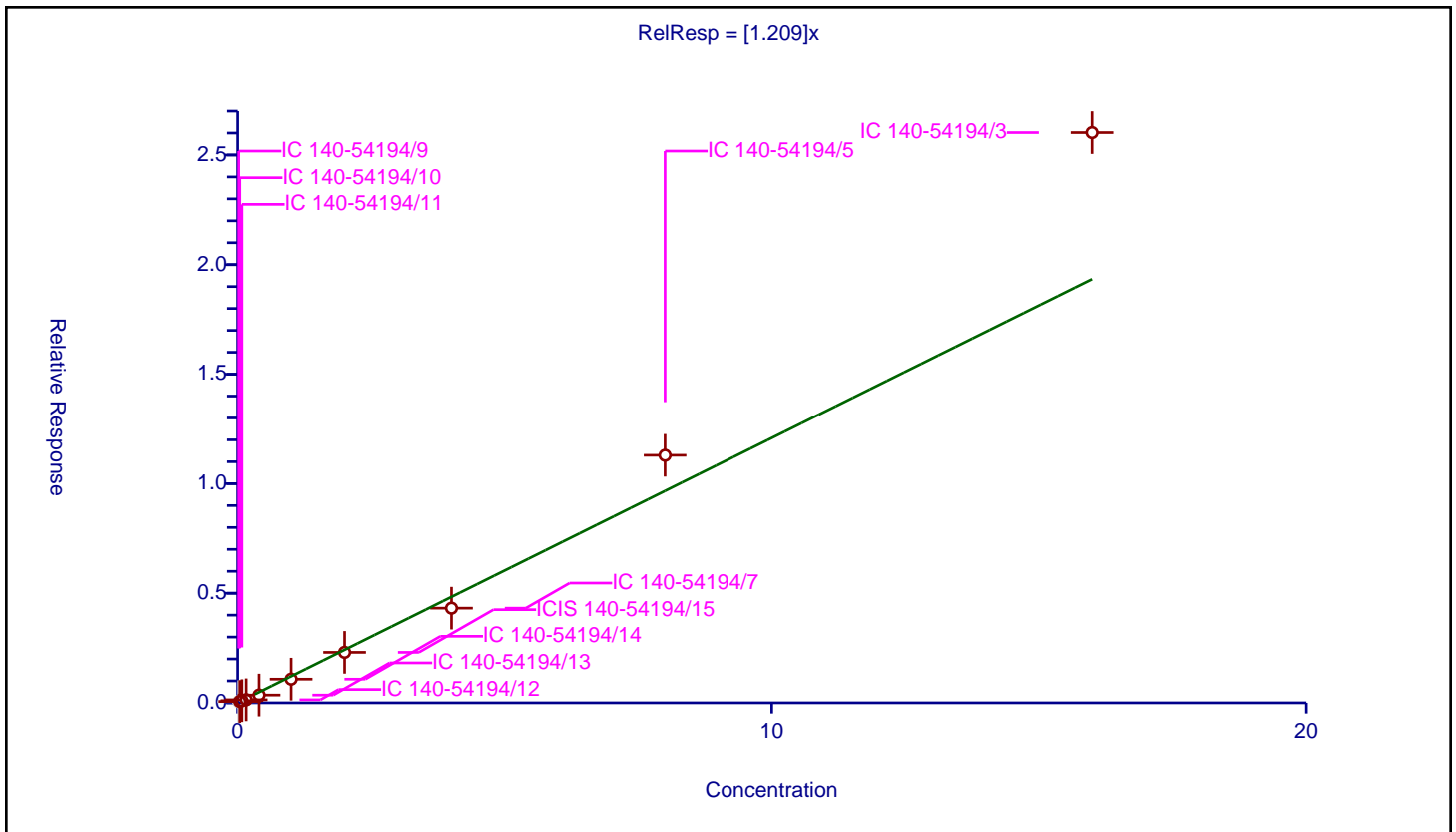
/ Naphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	1.209

Error Coefficients	
Standard Error:	2470000
Relative Standard Error:	22.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.934

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.053429	4.8	1142935.0	2.671438	N
2	IC 140-54194/10	0.04	0.061591	4.8	1100647.0	1.539785	Y
3	IC 140-54194/11	0.08	0.099188	4.8	1095950.0	1.239856	Y
4	IC 140-54194/12	0.16	0.138513	4.8	1085079.0	0.865707	Y
5	IC 140-54194/13	0.4	0.354302	4.8	1065707.0	0.885756	Y
6	IC 140-54194/14	1.0	1.078682	4.8	1013864.0	1.078682	Y
7	ICIS 140-54194/15	2.0	2.301043	4.8	1045014.0	1.150522	Y
8	IC 140-54194/7	4.0	4.318066	4.8	1145953.0	1.079517	Y
9	IC 140-54194/5	8.0	11.295674	4.8	1238986.0	1.411959	Y
10	IC 140-54194/3	16.0	26.021038	4.8	1148651.0	1.626315	Y



Calibration

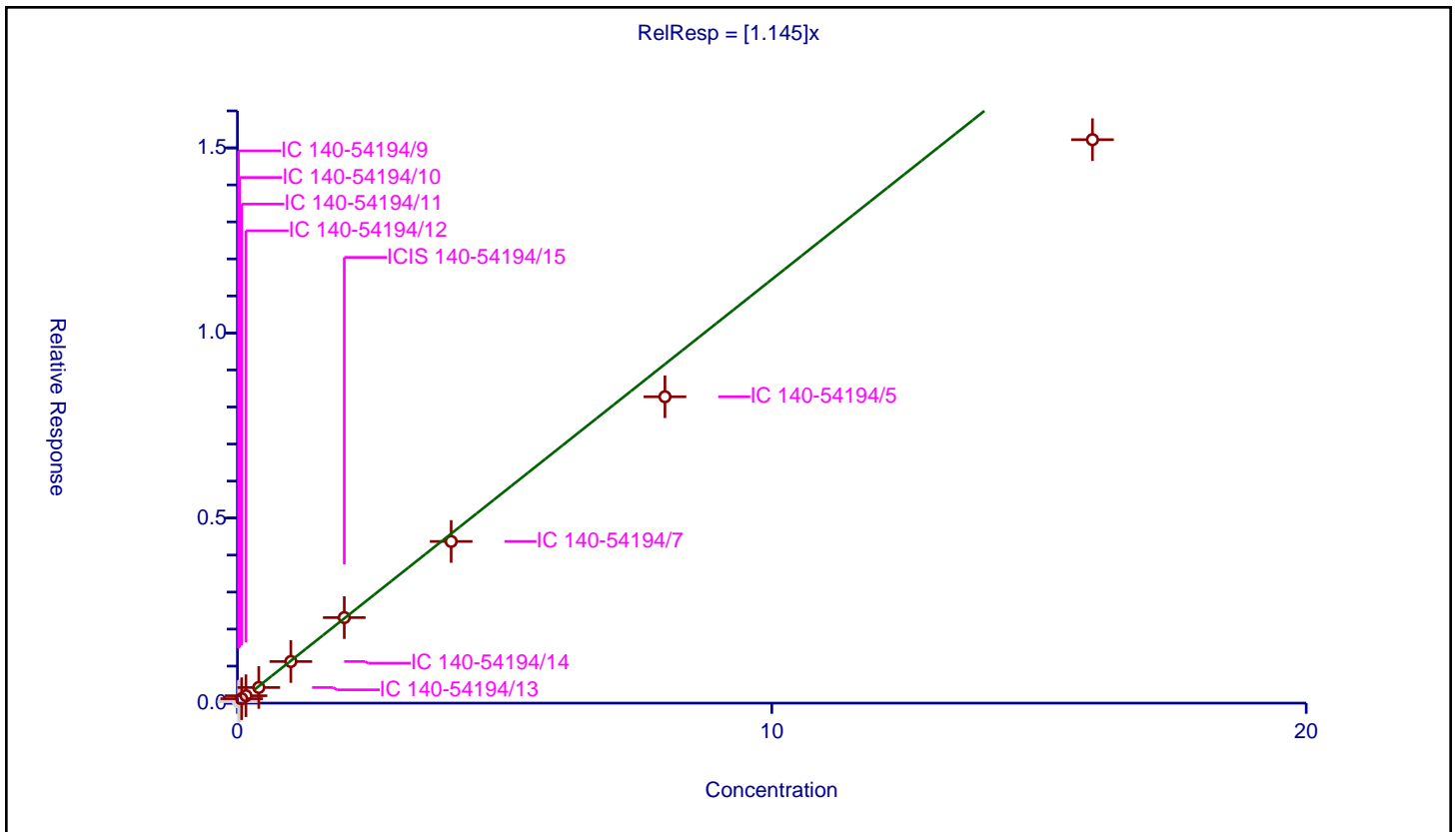
/ Hexachlorobutadiene

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

Curve Coefficients	
Intercept:	0
Slope:	1.145

Error Coefficients	
Standard Error:	1660000
Relative Standard Error:	14.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.038272	4.8	1142935.0	1.9136	N
2	IC 140-54194/10	0.04	0.061195	4.8	1100647.0	1.529864	N
3	IC 140-54194/11	0.08	0.11962	4.8	1095950.0	1.495251	Y
4	IC 140-54194/12	0.16	0.199922	4.8	1085079.0	1.249513	Y
5	IC 140-54194/13	0.4	0.421773	4.8	1065707.0	1.054432	Y
6	IC 140-54194/14	1.0	1.124553	4.8	1013864.0	1.124553	Y
7	ICIS 140-54194/15	2.0	2.311116	4.8	1045014.0	1.155558	Y
8	IC 140-54194/7	4.0	4.367798	4.8	1145953.0	1.091949	Y
9	IC 140-54194/5	8.0	8.277475	4.8	1238986.0	1.034684	Y
10	IC 140-54194/3	16.0	15.221894	4.8	1148651.0	0.951368	Y



Calibration

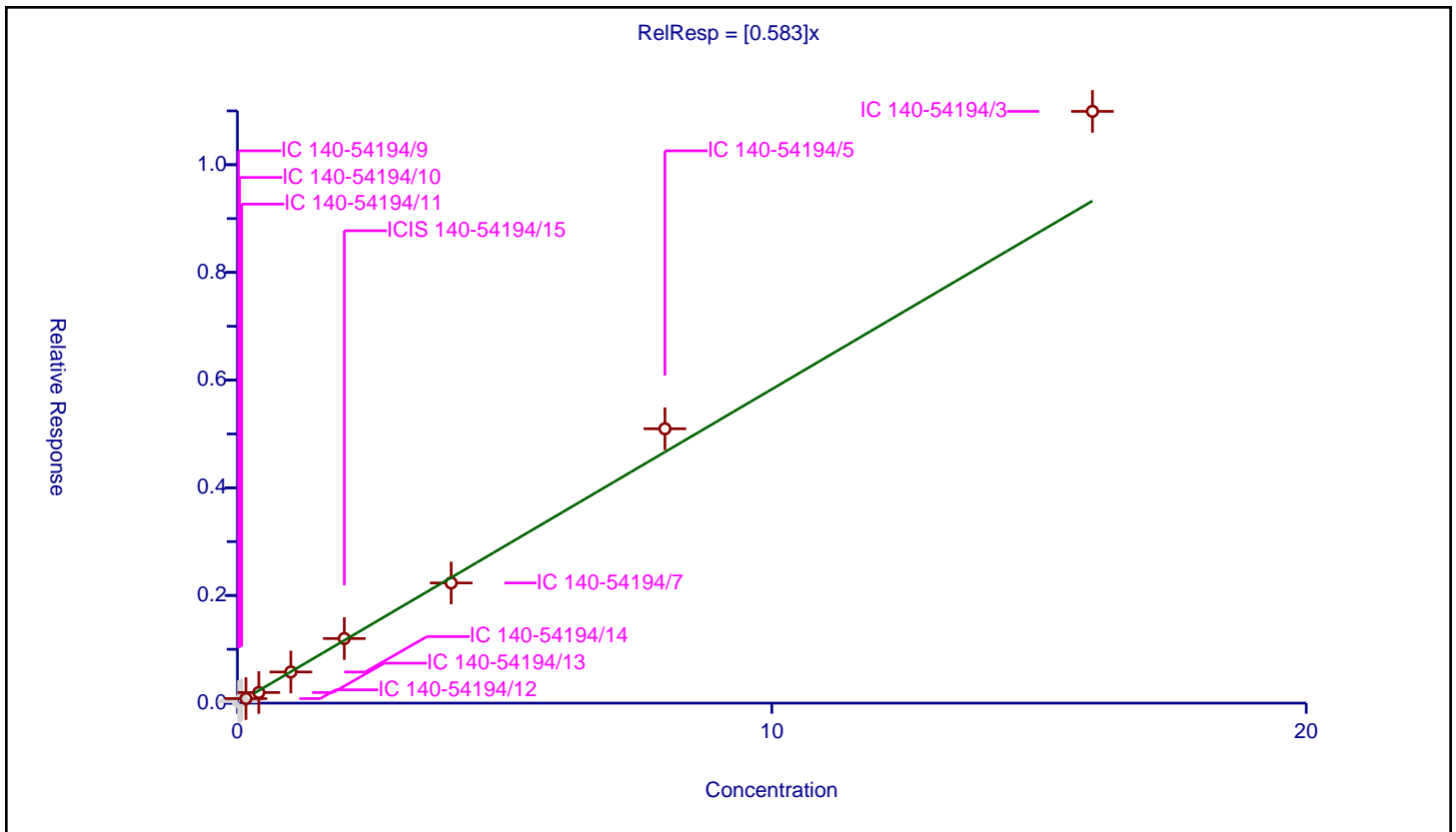
/ 1,2,3-Trichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.583

Error Coefficients	
Standard Error:	1230000
Relative Standard Error:	11.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.02	0.027315	4.8	1142935.0	1.365747	N
2	IC 140-54194/10	0.04	0.034609	4.8	1100647.0	0.865237	N
3	IC 140-54194/11	0.08	0.05808	4.8	1095950.0	0.726	N
4	IC 140-54194/12	0.16	0.08439	4.8	1085079.0	0.527436	Y
5	IC 140-54194/13	0.4	0.197368	4.8	1065707.0	0.493419	Y
6	IC 140-54194/14	1.0	0.578326	4.8	1013864.0	0.578326	Y
7	ICIS 140-54194/15	2.0	1.199828	4.8	1045014.0	0.599914	Y
8	IC 140-54194/7	4.0	2.232276	4.8	1145953.0	0.558069	Y
9	IC 140-54194/5	8.0	5.095771	4.8	1238986.0	0.636971	Y
10	IC 140-54194/3	16.0	10.99101	4.8	1148651.0	0.686938	Y



Calibration

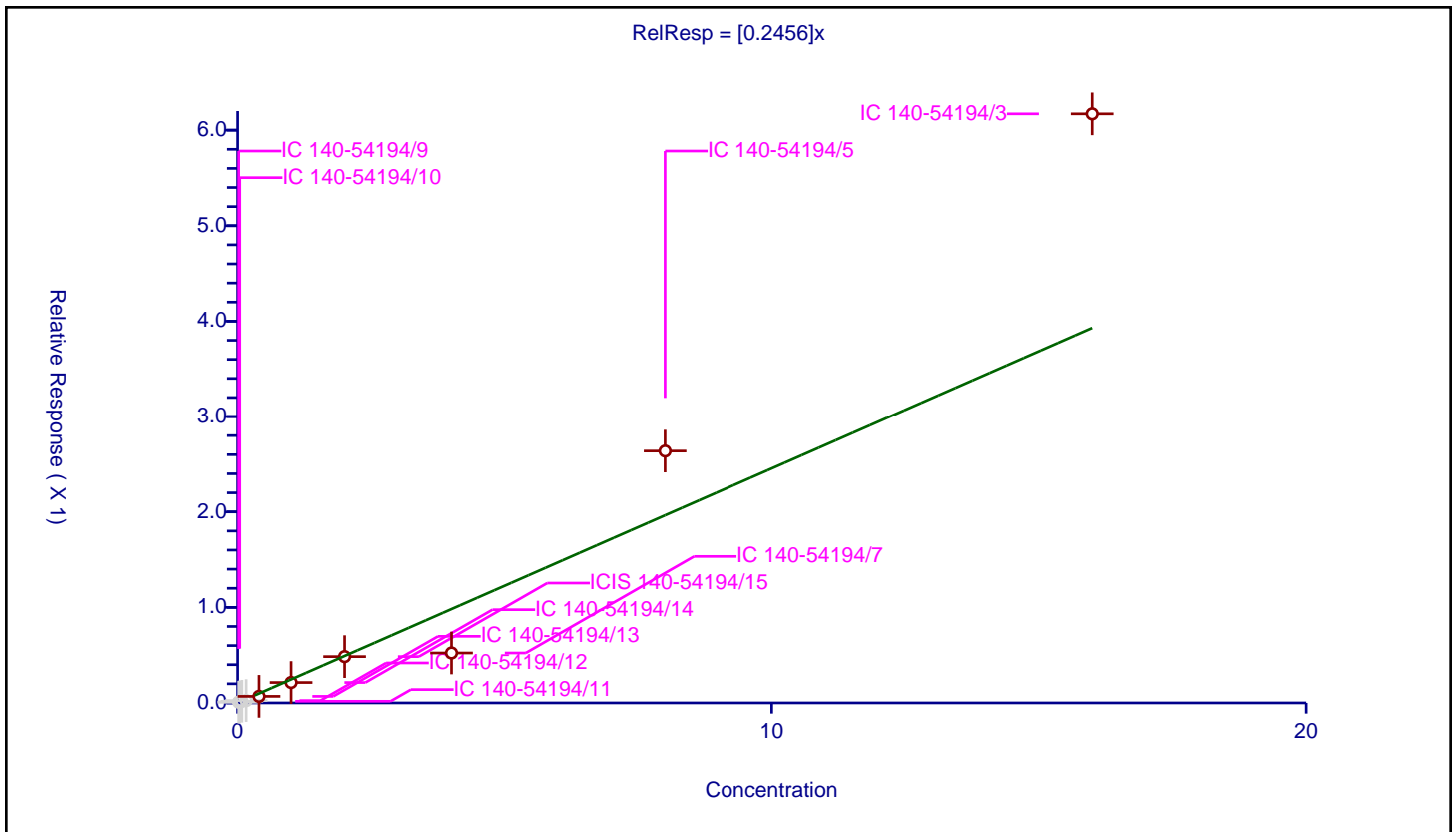
/ 2-Methylnaphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2456

Error Coefficients	
Standard Error:	731000
Relative Standard Error:	39.2
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.850

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.020001	0.008273	4.8	1142935.0	0.413651	N
2	IC 140-54194/10	0.040002	0.010371	4.8	1100647.0	0.259253	N
3	IC 140-54194/11	0.080004	0.017326	4.8	1095950.0	0.216568	N
4	IC 140-54194/12	0.160008	0.024653	4.8	1085079.0	0.154073	N
5	IC 140-54194/13	0.40002	0.068763	4.8	1065707.0	0.1719	Y
6	IC 140-54194/14	1.00005	0.213491	4.8	1013864.0	0.213481	Y
7	ICIS 140-54194/15	2.0001	0.484394	4.8	1045014.0	0.242185	Y
8	IC 140-54194/7	4.000199	0.522266	4.8	1145953.0	0.13056	Y
9	IC 140-54194/5	8.000399	2.638042	4.8	1238986.0	0.329739	Y
10	IC 140-54194/3	16.000797	6.170727	4.8	1148651.0	0.385651	Y



Calibration

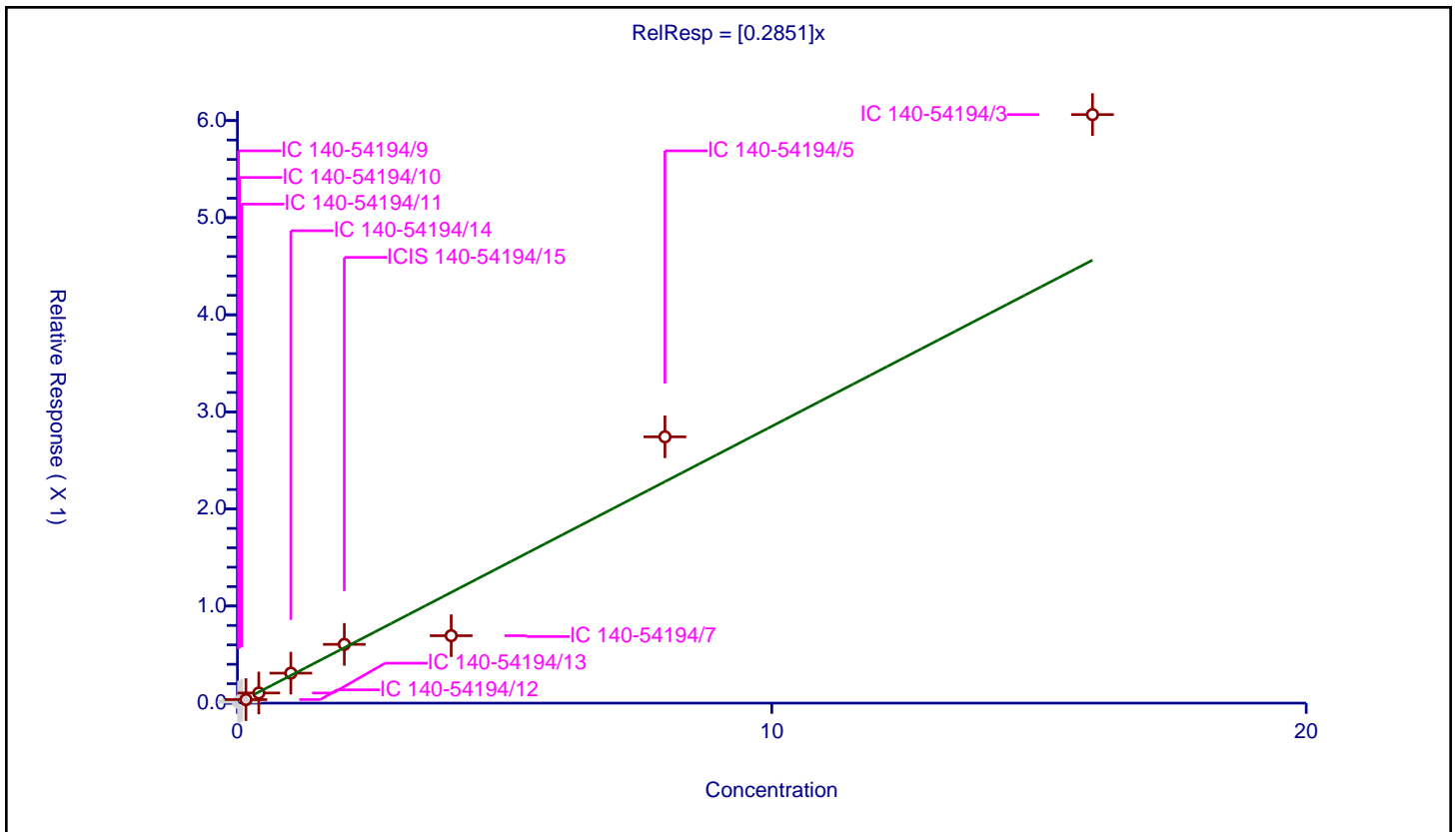
/ 1-Methylnaphthalene

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

Curve Coefficients	
Intercept:	0
Slope:	0.2851

Error Coefficients	
Standard Error:	665000
Relative Standard Error:	24.5
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.935

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-54194/9	0.020001	0.010084	4.8	1142935.0	0.504151	N
2	IC 140-54194/10	0.040002	0.015996	4.8	1100647.0	0.39989	N
3	IC 140-54194/11	0.080004	0.028105	4.8	1095950.0	0.351294	N
4	IC 140-54194/12	0.160008	0.03638	4.8	1085079.0	0.227364	Y
5	IC 140-54194/13	0.40002	0.104769	4.8	1065707.0	0.261909	Y
6	IC 140-54194/14	1.00005	0.308818	4.8	1013864.0	0.308802	Y
7	ICIS 140-54194/15	2.0001	0.605306	4.8	1045014.0	0.302638	Y
8	IC 140-54194/7	4.000199	0.694567	4.8	1145953.0	0.173633	Y
9	IC 140-54194/5	8.000399	2.742795	4.8	1238986.0	0.342832	Y
10	IC 140-54194/3	16.000797	6.061965	4.8	1148651.0	0.378854	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab Sample ID: ICV 140-54608/19 Calibration Date: 10/08/2021 03:54
 Instrument ID: MR Calib Start Date: 10/07/2021 16:44
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 10/08/2021 07:54
 Lab File ID: RJ07LCS.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	1.393	1.392		1.60	1.60	-0.1	35.0
Propene	Ave	0.8356	0.8138		1.56	1.60	-2.6	35.0
Dichlorodifluoromethane	Ave	2.942	2.988		1.63	1.60	1.6	35.0
Chloromethane	Ave	0.2719	0.2506		1.47	1.60	-7.9	35.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.634	2.538		1.54	1.60	-3.6	35.0
Acetaldehyde	Ave	0.4802	0.4480		7.46	8.00	-6.7	35.0
Vinyl chloride	Ave	1.209	1.286		1.70	1.60	6.4	35.0
1,3-Butadiene	Ave	0.7237	0.7544		1.67	1.60	4.2	35.0
Butane	Ave	1.711	1.807		1.69	1.60	5.6	35.0
Bromomethane	Ave	1.569	1.494		1.52	1.60	-4.8	35.0
Chloroethane	Ave	0.6210	0.6143		1.58	1.60	-1.1	35.0
Ethanol	Ave	0.7548	0.6079		6.44	8.00	-19.5	35.0
Vinyl bromide	Ave	1.561	1.660		1.70	1.60	6.3	35.0
2-Methylbutane	Ave	1.479	1.580		1.71	1.60	6.8	35.0
Trichlorofluoromethane	Ave	3.139	3.136		1.60	1.60	-0.0	35.0
Acrolein	Ave	0.3101	0.3183		1.64	1.60	2.7	35.0
Acetonitrile	Ave	0.4301	0.4520		1.68	1.60	5.1	35.0
Acetone	Ave	0.4428	0.5256			1.60	18.7	35.0
Pentane	Ave	0.1434	0.1544		1.72	1.60	7.7	35.0
Isopropyl alcohol	Ave	1.359	1.694		1.99	1.60	24.6	35.0
Ethyl ether	Ave	1.399	1.395		1.60	1.60	-0.3	35.0
1,1-Dichloroethene	Ave	1.208	1.132		1.50	1.60	-6.3	35.0
Acrylonitrile	Ave	0.6061	0.6043		1.60	1.60	-0.3	35.0
tert-Butyl alcohol	Ave	1.509	1.488		1.58	1.60	-1.4	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.622	2.532		1.54	1.60	-3.4	35.0
Methylene Chloride	Ave	1.137	1.042		1.47	1.60	-8.4	35.0
3-Chloropropene	Lin1		0.9284		1.50	1.60	-6.6	35.0
Carbon disulfide	Ave	3.490	3.374		1.55	1.60	-3.3	35.0
trans-1,2-Dichloroethene	Ave	1.163	1.184		1.63	1.60	1.8	35.0
2-Methylpentane	Ave	2.405	2.159		1.44	1.60	-10.2	35.0
Methyl tert-butyl ether	Ave	2.698	2.713		1.61	1.60	0.5	35.0
1,1-Dichloroethane	Ave	1.825	1.775		1.56	1.60	-2.7	35.0
Vinyl acetate	Ave	2.704	2.720		1.61	1.60	0.6	35.0
2-Butanone (MEK)	Ave	0.5733	0.5474		1.53	1.60	-4.5	35.0
Hexane	Ave	0.6991	0.6481		1.48	1.60	-7.3	35.0
Isopropyl ether	Ave	3.464	3.496		1.61	1.60	0.9	35.0
cis-1,2-Dichloroethene	Ave	1.286	1.297		1.61	1.60	0.9	35.0
Ethyl acetate	Ave	2.509	2.415		1.54	1.60	-3.7	35.0
Chloroform	Ave	2.594	2.702		1.67	1.60	4.2	35.0
Tert-butyl ethyl ether	Ave	2.563	2.570		1.60	1.60	0.3	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab Sample ID: ICV 140-54608/19 Calibration Date: 10/08/2021 03:54
 Instrument ID: MR Calib Start Date: 10/07/2021 16:44
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 10/08/2021 07:54
 Lab File ID: RJ07LCS.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	1.259	1.295		1.65	1.60	2.9	35.0
1,1,1-Trichloroethane	Ave	2.550	2.560		1.61	1.60	0.4	35.0
1,2-Dichloroethane	Ave	0.2993	0.2895		1.55	1.60	-3.3	35.0
1-Butanol	Ave	0.1354	0.1441		1.70	1.60	6.4	35.0
Cyclohexane	Ave	0.1169	0.1125		1.54	1.60	-3.8	35.0
Benzene	Ave	0.7906	0.7872		1.59	1.60	-0.4	35.0
Carbon tetrachloride	QuaF		0.6199		1.73	1.60	8.2	35.0
2,3-Dimethylpentane	Ave	0.1639	0.1602		1.56	1.60	-2.3	35.0
Thiophene	Ave	0.4553	0.4354		1.53	1.60	-4.4	35.0
2,2,4-Trimethylpentane	Ave	1.033	1.063		1.65	1.60	2.9	35.0
Heptane	Ave	0.2610	0.2551		1.56	1.60	-2.3	35.0
1,2-Dichloropropane	Ave	0.3016	0.2827		1.50	1.60	-6.3	35.0
Trichloroethene	Ave	0.4123	0.4259		1.65	1.60	3.3	35.0
Dibromomethane	Ave	0.4192	0.4179		1.60	1.60	-0.3	35.0
Bromodichloromethane	Ave	0.5849	0.6050		1.66	1.60	3.4	35.0
1,4-Dioxane	Ave	0.1241	0.1247		1.61	1.60	0.5	35.0
Methyl methacrylate	Ave	0.3416	0.3276		1.53	1.60	-4.1	35.0
Methylcyclohexane	Ave	0.4591	0.5881		2.05	1.60	28.1	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6040	0.5687		1.51	1.60	-5.8	35.0
cis-1,3-Dichloropropene	Ave	0.4374	0.4533		1.66	1.60	3.6	35.0
trans-1,3-Dichloropropene	Ave	0.4688	0.4468		1.52	1.60	-4.7	35.0
Toluene	Ave	1.074	1.027		1.53	1.60	-4.3	35.0
1,1,2-Trichloroethane	Ave	0.3556	0.3340		1.50	1.60	-6.1	35.0
2-Hexanone	Ave	0.2553	0.2382		1.49	1.60	-6.7	35.0
Octane	Ave	0.2904	0.2823		1.56	1.60	-2.8	35.0
Dibromochloromethane	Ave	0.7771	0.7669		1.58	1.60	-1.3	35.0
1,2-Dibromoethane (EDB)	Ave	0.6698	0.6429		1.54	1.60	-4.0	35.0
Tetrachloroethene	Ave	0.5074	0.4569		1.44	1.60	-10.0	35.0
Chlorobenzene	Ave	0.9631	0.9448		1.57	1.60	-1.9	35.0
2,3-Dimethylheptane	Ave	1.012	0.8912		1.41	1.60	-11.9	35.0
Ethylbenzene	Ave	1.453	1.315		1.45	1.60	-9.5	35.0
m-Xylene & p-Xylene	Ave	1.128	1.105		3.13	3.20	-2.0	35.0
Nonane	Ave	0.5563	0.5169		1.49	1.60	-7.1	35.0
Bromoform	Lin2		0.8382		1.56	1.60	-2.3	35.0
Styrene	Ave	0.9022	0.8731		1.55	1.60	-3.2	35.0
o-Xylene	Ave	1.150	1.081		1.50	1.60	-6.0	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9358	0.8566		1.46	1.60	-8.5	35.0
1,2,3-Trichloropropane	Ave	0.2315	0.2291		1.58	1.60	-1.0	35.0
Isopropylbenzene	Ave	1.773	1.686		1.52	1.60	-4.9	35.0
Propylbenzene	Ave	0.5131	0.5139		1.60	1.60	0.1	35.0
2-Chlorotoluene	Ave	0.5053	0.4762		1.51	1.60	-5.8	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab Sample ID: ICV 140-54608/19 Calibration Date: 10/08/2021 03:54
 Instrument ID: MR Calib Start Date: 10/07/2021 16:44
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 10/08/2021 07:54
 Lab File ID: RJ07LCS.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	1.741	1.612		1.48	1.60	-7.4	35.0
1,3,5-Trimethylbenzene	Ave	0.7507	0.8225		1.75	1.60	9.6	35.0
Alpha Methyl Styrene	Ave	0.6670	0.6584		1.58	1.60	-1.3	35.0
Decane	Ave	0.6997	0.7181		1.64	1.60	2.6	35.0
tert-Butylbenzene	Ave	1.609	1.524		1.52	1.60	-5.3	35.0
1,2,4-Trimethylbenzene	Ave	1.543	1.461		1.52	1.60	-5.3	35.0
sec-Butylbenzene	Ave	2.319	2.231		1.54	1.60	-3.8	35.0
1,3-Dichlorobenzene	Ave	1.084	1.021		1.51	1.60	-5.8	35.0
Benzyl chloride	Lin1		0.9011		1.64	1.60	2.7	35.0
1,4-Dichlorobenzene	Ave	1.021	0.9563		1.50	1.60	-6.3	35.0
4-Isopropyltoluene	Ave	1.859	1.711		1.47	1.60	-8.0	35.0
1,2,3-Trimethylbenzene	Ave	1.477	1.039		1.13	1.60	-29.6	35.0
Butylcyclohexane	Ave	1.189	1.065		1.43	1.60	-10.4	35.0
1,2-Dichlorobenzene	Ave	1.047	1.018		1.56	1.60	-2.7	35.0
Indane	Ave	1.541	1.364		1.42	1.60	-11.5	35.0
Butylbenzene	Ave	1.764	1.658		1.50	1.60	-6.0	35.0
Indene	Ave	1.112	0.9907		1.43	1.60	-10.9	35.0
Undecane	Ave	0.8377	0.8110		1.55	1.60	-3.2	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.4250	0.3675		1.38	1.60	-13.5	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.723	1.515		1.41	1.60	-12.1	35.0
Dodecane	Ave	0.8776	0.8148		1.49	1.60	-7.2	35.0
1,2,4-Trichlorobenzene	Ave	0.5738	0.6227		1.74	1.60	8.5	35.0
Naphthalene	Ave	1.522	1.672		1.76	1.60	9.9	35.0
Hexachlorobutadiene	Ave	1.274	1.134		1.42	1.60	-11.0	35.0
1,2,3-Trichlorobenzene	Ave	0.8756	0.8670		1.58	1.60	-1.0	35.0
2-Methylnaphthalene	Ave	0.7891	0.9041		1.83	1.60	14.6	50.0
1-Methylnaphthalene	Ave	1.193	1.465		1.96	1.60	22.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6708	0.6666		4.61	4.64	-0.6	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07LCS.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 08-Oct-2021 03:54:30 ALS Bottle#: 6 Worklist Smp#: 19
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020984-019
 Misc. Info.: S159 80mL
 Operator ID: HMT Instrument ID: MR
 Sublist:

Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 13:50:36 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: tajh Date: 08-Oct-2021 10:11:11

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	8.593	8.598	-0.005	78	339827	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.841	10.841	0.000	92	1603969	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.775	-0.016	84	1373574	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.441	-0.005	95	885099	4.64	4.61	
6 Chlorodifluoromethane	51	3.351	3.367	-0.016	99	157667	1.60	1.60	
7 Propene	41	3.357	3.373	-0.016	98	92184	1.60	1.56	
8 Dichlorodifluoromethane	85	3.410	3.427	-0.017	99	338479	1.60	1.63	
9 Chloromethane	52	3.588	3.610	-0.022	96	28382	1.60	1.47	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.605	3.626	-0.021	89	287515	1.60	1.54	
11 Acetaldehyde	44	3.756	3.777	-0.021	88	253757	8.00	7.46	
12 Vinyl chloride	62	3.761	3.783	-0.021	57	145683	1.60	1.70	
13 Butane	43	3.853	3.874	-0.021	88	204673	1.60	1.69	
14 Butadiene	54	3.853	3.880	-0.027	63	85455	1.60	1.67	
15 Bromomethane	94	4.171	4.187	-0.016	97	169265	1.60	1.52	
16 Chloroethane	64	4.316	4.338	-0.022	91	69583	1.60	1.58	
17 Ethanol	31	4.435	4.462	-0.027	97	344319	8.00	6.44	
18 Vinyl bromide	106	4.613	4.635	-0.021	97	187994	1.60	1.70	
19 2-Methylbutane	43	4.662	4.683	-0.021	97	178988	1.60	1.71	
20 Trichlorofluoromethane	101	4.888	4.904	-0.016	97	355269	1.60	1.60	
21 Acrolein	56	4.904	4.920	-0.016	91	36055	1.60	1.64	
22 Acetonitrile	40	4.980	5.001	-0.021	99	51196	1.60	1.68	
23 Acetone	58	5.023	5.055	-0.032	98	59533	1.60	1.90	
25 Pentane	72	5.109	5.136	-0.027	95	17491	1.60	1.72	
24 Isopropyl alcohol	45	5.131	5.152	-0.021	91	191848	1.60	1.99	
26 Ethyl ether	31	5.282	5.314	-0.032	86	158061	1.60	1.60	
27 1,1-Dichloroethene	96	5.611	5.621	-0.010	95	128204	1.60	1.50	
29 Acrylonitrile	53	5.729	5.762	-0.033	64	68457	1.60	1.60	
28 2-Methyl-2-propanol	59	5.735	5.778	-0.043	95	168541	1.60	1.58	
30 112TCTFE	101	5.794	5.815	-0.021	94	286829	1.60	1.54	
31 Methylene Chloride	84	5.972	5.977	-0.005	85	118024	1.60	1.47	

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	5.993	6.004	-0.011	97	105166	1.60	1.50	
33 Carbon disulfide	76	6.128	6.134	-0.006	99	382164	1.60	1.55	
34 trans-1,2-Dichloroethene	96	6.802	6.813	-0.011	91	134072	1.60	1.63	
35 2-Methylpentane	43	6.818	6.835	-0.017	95	244533	1.60	1.44	
36 Methyl tert-butyl ether	73	6.921	6.953	-0.032	97	307274	1.60	1.61	
37 1,1-Dichloroethane	63	7.244	7.250	-0.006	98	201088	1.60	1.56	
38 Vinyl acetate	43	7.347	7.363	-0.016	99	308103	1.60	1.61	
40 Hexane	56	7.821	7.827	-0.006	82	73410	1.60	1.48	
39 2-Butanone (MEK)	72	7.811	7.843	-0.032	97	62006	1.60	1.53	
41 Isopropyl ether	45	7.989	8.010	-0.021	94	396024	1.60	1.61	
42 cis-1,2-Dichloroethene	96	8.247	8.258	-0.011	88	146949	1.60	1.61	
43 Ethyl acetate	43	8.442	8.452	-0.010	97	273598	1.60	1.54	
44 Chloroform	83	8.603	8.609	-0.006	92	306071	1.60	1.67	
45 Tert-butyl ethyl ether	59	8.684	8.706	-0.022	96	291125	1.60	1.60	
46 Tetrahydrofuran	42	8.992	9.029	-0.037	94	146741	1.60	1.65	
47 1,1,1-Trichloroethane	97	9.649	9.655	-0.006	96	289982	1.60	1.61	
48 1,2-Dichloroethane	62	9.773	9.773	0.000	95	154805	1.60	1.55	
50 Cyclohexane	69	10.248	10.253	-0.005	84	60131	1.60	1.54	
49 n-Butanol	31	10.226	10.259	-0.033	70	77037	1.60	1.70	
51 Benzene	78	10.270	10.280	-0.010	94	420895	1.60	1.59	
52 Carbon tetrachloride	117	10.286	10.296	-0.010	96	331416	1.60	1.73	
53 2,3-Dimethylpentane	71	10.394	10.399	-0.005	90	85678	1.60	1.56	
54 Thiophene	84	10.550	10.555	-0.005	93	232797	1.60	1.53	
55 Isooctane	57	11.051	11.062	-0.011	95	568238	1.60	1.65	
56 n-Heptane	71	11.440	11.450	-0.010	95	136385	1.60	1.56	
57 1,2-Dichloropropane	63	11.531	11.537	-0.006	91	151140	1.60	1.50	
58 Trichloroethene	130	11.564	11.564	0.000	97	227718	1.60	1.65	
59 Dibromomethane	93	11.655	11.661	-0.006	95	223429	1.60	1.60	
60 Dichlorobromomethane	83	11.806	11.812	-0.006	96	323490	1.60	1.66	
61 1,4-Dioxane	88	11.812	11.833	-0.021	37	66667	1.60	1.61	
62 Methyl methacrylate	41	11.898	11.909	-0.011	92	175145	1.60	1.53	
63 Methylcyclohexane	83	12.340	12.378	-0.038	93	314422	1.60	2.05	
64 4-Methyl-2-pentanone (MIBK)	43	12.777	12.820	-0.043	98	304074	1.60	1.51	
65 cis-1,3-Dichloropropene	75	12.847	12.879	-0.032	93	242351	1.60	1.66	
66 trans-1,3-Dichloropropene	75	13.586	13.618	-0.032	96	204560	1.60	1.52	
67 Toluene	91	13.705	13.737	-0.032	94	470431	1.60	1.53	
68 1,1,2-Trichloroethane	83	13.796	13.823	-0.027	94	152910	1.60	1.50	
69 2-Hexanone	58	14.190	14.222	-0.032	88	109055	1.60	1.49	
70 n-Octane	85	14.427	14.454	-0.027	93	129272	1.60	1.56	
71 Chlorodibromomethane	129	14.530	14.551	-0.021	96	351114	1.60	1.58	
72 Ethylene Dibromide	107	14.832	14.848	-0.016	99	294351	1.60	1.54	
73 Tetrachloroethene	129	14.902	14.923	-0.021	94	209177	1.60	1.44	
74 Chlorobenzene	112	15.808	15.824	-0.016	97	432576	1.60	1.57	
75 2,3-Dimethylheptane	43	15.824	15.834	-0.010	96	408033	1.60	1.41	
76 Ethylbenzene	91	16.104	16.115	-0.011	98	602257	1.60	1.45	
77 m-Xylene & p-Xylene	91	16.266	16.282	-0.016	96	1011520	3.20	3.13	
78 n-Nonane	57	16.692	16.703	-0.011	92	236676	1.60	1.49	
79 Bromoform	173	16.735	16.746	-0.011	95	383785	1.60	1.56	
80 Styrene	104	16.746	16.757	-0.011	95	399762	1.60	1.55	
81 o-Xylene	91	16.805	16.810	-0.005	99	495148	1.60	1.50	
82 1,1,2,2-Tetrachloroethane	83	17.139	17.150	-0.011	98	392195	1.60	1.46	
83 1,2,3-Trichloropropane	110	17.301	17.312	-0.011	94	104908	1.60	1.58	

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	17.404	17.409	-0.005	94	771875	1.60	1.52	
85 N-Propylbenzene	120	17.943	17.948	-0.005	100	235285	1.60	1.60	
86 2-Chlorotoluene	126	17.991	17.997	-0.006	95	218047	1.60	1.51	
88 4-Ethyltoluene	105	18.099	18.099	0.000	98	738076	1.60	1.48	
87 1,3,5-Trimethylbenzene	120	18.169	18.175	-0.006	93	376601	1.60	1.75	
89 Alpha Methyl Styrene	118	18.401	18.407	-0.006	90	301441	1.60	1.58	
90 n-Decane	57	18.450	18.455	-0.005	88	328794	1.60	1.64	
91 tert-Butylbenzene	119	18.595	18.595	0.000	96	697820	1.60	1.52	
92 1,2,4-Trimethylbenzene	105	18.612	18.612	0.000	95	668974	1.60	1.52	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	1021442	1.60	1.54	
94 1,3-Dichlorobenzene	146	18.881	18.881	0.000	97	467464	1.60	1.51	
95 Benzyl chloride	91	18.957	18.957	0.000	98	412571	1.60	1.64	
96 1,4-Dichlorobenzene	146	18.967	18.967	0.000	96	437838	1.60	1.50	
97 4-Isopropyltoluene	119	19.027	19.027	0.000	97	783438	1.60	1.47	
98 1,2,3-Trimethylbenzene	105	19.081	19.081	0.000	97	475920	1.60	1.13	
99 Butylcyclohexane	83	19.129	19.129	0.000	97	487799	1.60	1.43	
101 1,2-Dichlorobenzene	146	19.329	19.329	0.000	85	466200	1.60	1.56	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	92	624307	1.60	1.42	
103 n-Butylbenzene	91	19.458	19.458	0.000	97	759312	1.60	1.50	
102 Indene	116	19.458	19.458	0.000	77	453610	1.60	1.43	
104 Undecane	57	19.760	19.760	0.000	89	371306	1.60	1.55	
105 1,2-Dibromo-3-Chloropropane	157	19.933	19.933	0.000	96	168244	1.60	1.38	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.208	0.005	97	693531	1.60	1.41	
107 Dodecane	57	20.822	20.822	0.000	87	373040	1.60	1.49	
108 1,2,4-Trichlorobenzene	180	21.038	21.038	0.000	94	285107	1.60	1.74	
109 Naphthalene	128	21.184	21.184	0.000	99	765717	1.60	1.76	
110 Hexachlorobutadiene	225	21.399	21.394	0.005	94	519042	1.60	1.42	
111 1,2,3-Trichlorobenzene	180	21.470	21.469	0.001	96	396942	1.60	1.58	
112 2-Methylnaphthalene	142	22.090	22.095	-0.005	99	413986	1.60	1.83	
113 1-Methylnaphthalene	142	22.219	22.219	0.000	98	670814	1.60	1.96	
A 116 C8 Range	1	14.427	(14.405-14.492)		0	1272936	1.60	1.59	
S 117 Xylenes, Total	100				0		4.80	4.64	
S 118 1,2-Dichloroethene, Total	1				0		3.20	3.24	
T 143 2-Methylthiophene TIC	97	13.872	13.823	0.049	91	414117	1.60	1.45	
T 146 2-Ethylthiophene TIC	97	16.212	16.277	-0.065	94	485566	1.60	1.70	
T 153 1,2-Dimethyl-4-Ethylbenzene TIC	119	19.830	19.830	0.000	95	555472	1.60	1.94	
T 157 Benzo(b)thiophene TIC	134	21.292	21.297	-0.005	91	311745	1.60	1.09	

QC Flag Legend

Processing Flags

Reagents:

40CV101S_00158

Amount Added: 80.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07LCS.D

Injection Date: 08-Oct-2021 03:54:30

Instrument ID: MR

Operator ID: HMT

Lims ID: ICV

Worklist Smp#: 19

Client ID:

Purge Vol: 500.000 mL

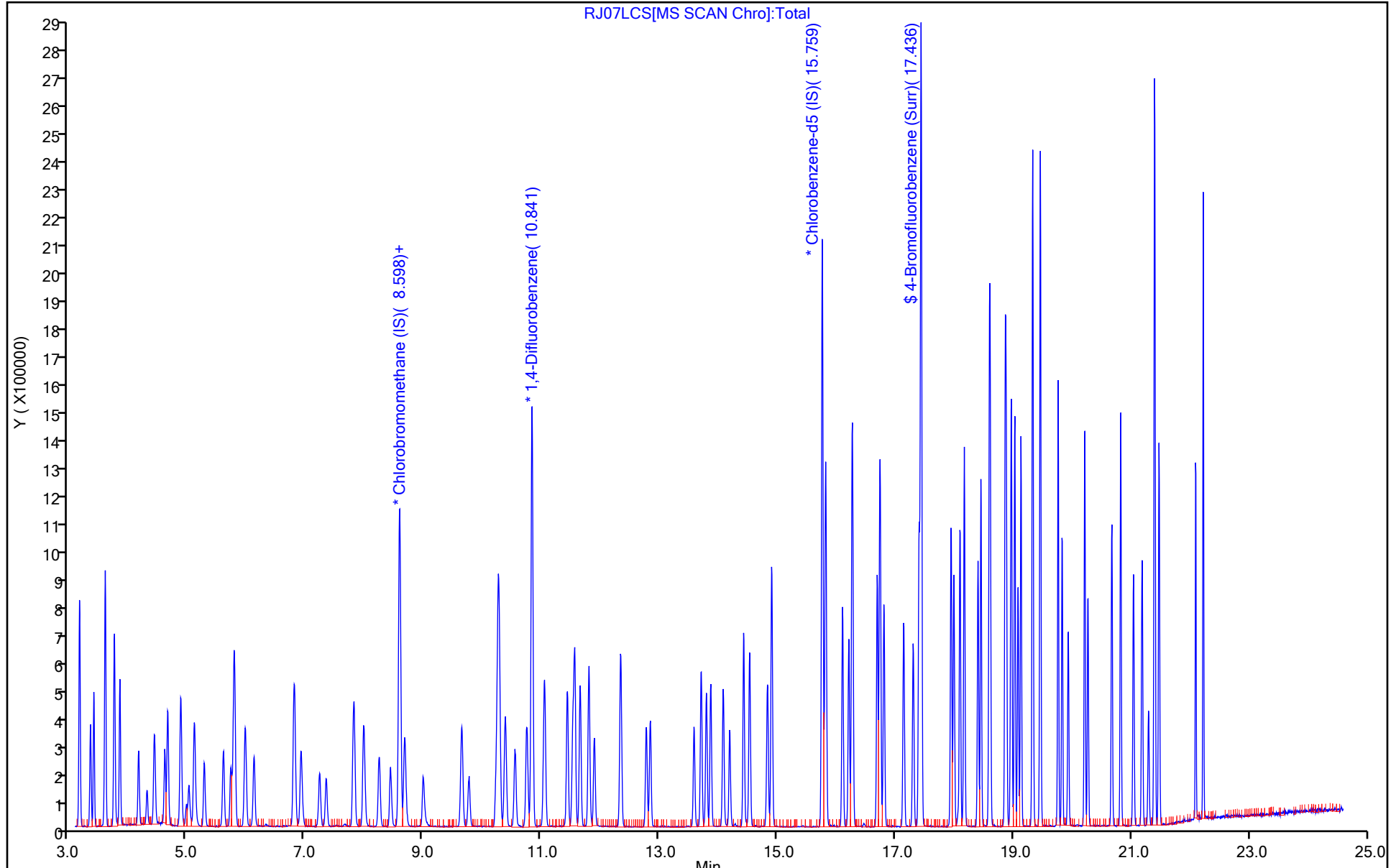
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



RJ07LCS[MS SCAN Chro]:Total

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Lab Sample ID: CCVIS 140-54949/2 Calibration Date: 10/22/2021 11:15

Instrument ID: MR Calib Start Date: 10/07/2021 16:44

GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 10/08/2021 07:54

Lab File ID: RCCVJ22A.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	1.393	1.190		1.71	2.00	-14.6	30.0
Propene	Ave	0.8356	0.7218		1.73	2.00	-13.6	30.0
Dichlorodifluoromethane	Ave	2.942	2.507		1.70	2.00	-14.8	30.0
Chloromethane	Ave	0.2719	0.1914		1.41	2.00	-29.6	30.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.634	2.153		1.63	2.00	-18.3	30.0
Vinyl chloride	Ave	1.209	0.9043		1.50	2.00	-25.2	30.0
Acetaldehyde	Ave	0.4802	0.3243		6.75	10.0	-32.5*	30.0
1,3-Butadiene	Ave	0.7237	0.5598		1.55	2.00	-22.6	30.0
Butane	Ave	1.711	1.453		1.70	2.00	-15.1	30.0
Bromomethane	Ave	1.569	1.164		1.48	2.00	-25.8	30.0
Chloroethane	Ave	0.6210	0.4711		1.52	2.00	-24.1	30.0
Ethanol	Ave	0.7548	0.4980		6.60	10.0	-34.0*	30.0
Vinyl bromide	Ave	1.561	1.375		1.76	2.00	-11.9	30.0
2-Methylbutane	Ave	1.479	1.375		1.86	2.00	-7.1	30.0
Trichlorofluoromethane	Ave	3.139	2.620		1.67	2.00	-16.5	30.0
Acrolein	Ave	0.3101	0.2934		1.89	2.00	-5.4	30.0
Acetonitrile	Ave	0.4301	0.3660		1.70	2.00	-14.9	30.0
Acetone	Ave	0.4428	0.3258			2.00	-26.4	30.0
Pentane	Ave	0.1434	0.1176		1.64	2.00	-18.0	30.0
Isopropyl alcohol	Ave	1.359	1.298		1.91	2.00	-4.5	30.0
Ethyl ether	Ave	1.399	1.271		1.82	2.00	-9.2	30.0
1,1-Dichloroethene	Ave	1.208	0.9259		1.53	2.00	-23.3	30.0
Acrylonitrile	Ave	0.6061	0.4785		1.58	2.00	-21.1	30.0
tert-Butyl alcohol	Ave	1.509	1.150		1.52	2.00	-23.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.622	2.172		1.66	2.00	-17.2	30.0
Methylene Chloride	Ave	1.137	0.8567		1.51	2.00	-24.7	30.0
3-Chloropropene	Lin1		0.9252		1.87	2.00	-6.3	30.0
Carbon disulfide	Ave	3.490	2.793		1.60	2.00	-20.0	30.0
trans-1,2-Dichloroethene	Ave	1.163	0.9755		1.68	2.00	-16.1	30.0
2-Methylpentane	Ave	2.405	1.789		1.49	2.00	-25.6	30.0
Methyl tert-butyl ether	Ave	2.698	2.232		1.65	2.00	-17.3	30.0
1,1-Dichloroethane	Ave	1.825	1.472		1.61	2.00	-19.4	30.0
Vinyl acetate	Ave	2.704	2.255		1.67	2.00	-16.6	30.0
2-Butanone (MEK)	Ave	0.5733	0.4189		1.46	2.00	-26.9	30.0
Hexane	Ave	0.6991	0.5516		1.58	2.00	-21.1	30.0
Isopropyl ether	Ave	3.464	2.859		1.65	2.00	-17.5	30.0
cis-1,2-Dichloroethene	Ave	1.286	1.084		1.69	2.00	-15.7	30.0
Ethyl acetate	Ave	2.509	2.053		1.64	2.00	-18.2	30.0
Chloroform	Ave	2.594	2.177		1.68	2.00	-16.1	30.0
Tert-butyl ethyl ether	Ave	2.563	2.031		1.59	2.00	-20.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-54949/2 Calibration Date: 10/22/2021 11:15
 Instrument ID: MR Calib Start Date: 10/07/2021 16:44
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 10/08/2021 07:54
 Lab File ID: RCCVJ22A.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	1.259	1.095		1.74	2.00	-13.0	30.0
1,1,1-Trichloroethane	Ave	2.550	2.207		1.73	2.00	-13.4	30.0
1,2-Dichloroethane	Ave	0.2993	0.2557		1.71	2.00	-14.6	30.0
1-Butanol	Ave	0.1354	0.1310		1.94	2.00	-3.2	30.0
Cyclohexane	Ave	0.1169	0.0887		1.52	2.00	-24.1	30.0
Benzene	Ave	0.7906	0.6656		1.68	2.00	-15.8	30.0
Carbon tetrachloride	QuaF		0.5901		2.05	2.00	2.3	30.0
2,3-Dimethylpentane	Ave	0.1639	0.1355		1.65	2.00	-17.4	30.0
Thiophene	Ave	0.4553	0.3797		1.67	2.00	-16.6	30.0
2,2,4-Trimethylpentane	Ave	1.033	0.8688		1.68	2.00	-15.9	30.0
Heptane	Ave	0.2610	0.2146		1.64	2.00	-17.8	30.0
1,2-Dichloropropane	Ave	0.3016	0.2506		1.66	2.00	-16.9	30.0
Trichloroethene	Ave	0.4123	0.3665		1.78	2.00	-11.1	30.0
Dibromomethane	Ave	0.4192	0.3773		1.80	2.00	-10.0	30.0
Bromodichloromethane	Ave	0.5849	0.4982		1.70	2.00	-14.8	30.0
1,4-Dioxane	Ave	0.1241	0.1013		1.63	2.00	-18.4	30.0
Methyl methacrylate	Ave	0.3416	0.2718		1.59	2.00	-20.4	30.0
Methylcyclohexane	Ave	0.4591	0.4608		2.01	2.00	0.4	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6040	0.4572		1.51	2.00	-24.3	30.0
cis-1,3-Dichloropropene	Ave	0.4374	0.3597		1.64	2.00	-17.8	30.0
trans-1,3-Dichloropropene	Ave	0.4688	0.3764		1.61	2.00	-19.7	30.0
Toluene	Ave	1.074	0.9007		1.68	2.00	-16.1	30.0
1,1,2-Trichloroethane	Ave	0.3556	0.2992		1.68	2.00	-15.9	30.0
2-Hexanone	Ave	0.2553	0.1931		1.51	2.00	-24.4	30.0
Octane	Ave	0.2904	0.2481		1.71	2.00	-14.5	30.0
Dibromochloromethane	Ave	0.7771	0.6723		1.73	2.00	-13.5	30.0
1,2-Dibromoethane (EDB)	Ave	0.6698	0.5681		1.70	2.00	-15.2	30.0
Tetrachloroethene	Ave	0.5074	0.4193		1.65	2.00	-17.4	30.0
Chlorobenzene	Ave	0.9631	0.8398		1.74	2.00	-12.8	30.0
2,3-Dimethylheptane	Ave	1.012	0.8028		1.59	2.00	-20.7	30.0
Ethylbenzene	Ave	1.453	1.156		1.59	2.00	-20.4	30.0
m-Xylene & p-Xylene	Ave	1.128	0.9329		3.31	4.00	-17.3	30.0
Nonane	Ave	0.5563	0.4448		1.60	2.00	-20.1	30.0
Bromoform	Lin2		0.6022		1.41	2.00	-29.6	30.0
Styrene	Ave	0.9022	0.7754		1.72	2.00	-14.1	30.0
o-Xylene	Ave	1.150	0.9136		1.59	2.00	-20.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9358	0.7759		1.66	2.00	-17.1	30.0
1,2,3-Trichloropropane	Ave	0.2315	0.1948		1.68	2.00	-15.9	30.0
Isopropylbenzene	Ave	1.773	1.510		1.70	2.00	-14.9	30.0
Propylbenzene	Ave	0.5131	0.4638		1.81	2.00	-9.6	30.0
2-Chlorotoluene	Ave	0.5053	0.4308		1.70	2.00	-14.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-54949/2 Calibration Date: 10/22/2021 11:15
 Instrument ID: MR Calib Start Date: 10/07/2021 16:44
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 10/08/2021 07:54
 Lab File ID: RCCVJ22A.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	1.741	1.380		1.59	2.00	-20.7	30.0
1,3,5-Trimethylbenzene	Ave	0.7507	0.7212		1.92	2.00	-3.9	30.0
Alpha Methyl Styrene	Ave	0.6670	0.6011		1.80	2.00	-9.9	30.0
Decane	Ave	0.6997	0.5990		1.71	2.00	-14.4	30.0
tert-Butylbenzene	Ave	1.609	1.362		1.69	2.00	-15.3	30.0
1,2,4-Trimethylbenzene	Ave	1.543	1.295		1.68	2.00	-16.1	30.0
sec-Butylbenzene	Ave	2.319	1.942		1.67	2.00	-16.3	30.0
1,3-Dichlorobenzene	Ave	1.084	0.9243		1.71	2.00	-14.7	30.0
Benzyl chloride	Lin1		0.7581		1.73	2.00	-13.7	30.0
1,4-Dichlorobenzene	Ave	1.021	0.8866		1.74	2.00	-13.2	30.0
4-Isopropyltoluene	Ave	1.859	1.488		1.60	2.00	-20.0	30.0
1,2,3-Trimethylbenzene	Ave	1.477	0.9139		1.24	2.00	-38.1*	30.0
Butylcyclohexane	Ave	1.189	0.9340		1.57	2.00	-21.4	30.0
1,2-Dichlorobenzene	Ave	1.047	0.9222		1.76	2.00	-11.9	30.0
Indane	Ave	1.541	1.244		1.62	2.00	-19.2	30.0
Butylbenzene	Ave	1.764	1.463		1.66	2.00	-17.1	30.0
Indene	Ave	1.112	0.9144		1.64	2.00	-17.8	30.0
Undecane	Ave	0.8377	0.6717		1.60	2.00	-19.8	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4250	0.2705		1.27	2.00	-36.4*	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.723	1.302		1.51	2.00	-24.4	30.0
Dodecane	Ave	0.8776	0.7030		1.60	2.00	-19.9	30.0
1,2,4-Trichlorobenzene	Ave	0.5738	0.5705		1.99	2.00	-0.6	30.0
Naphthalene	Ave	1.522	1.432		1.88	2.00	-5.9	30.0
Hexachlorobutadiene	Ave	1.274	1.073		1.68	2.00	-15.8	30.0
1,2,3-Trichlorobenzene	Ave	0.8756	0.8274		1.89	2.00	-5.5	30.0
2-Methylnaphthalene	Ave	0.7891	0.7745		1.96	2.00	-1.9	50.0
1-Methylnaphthalene	Ave	1.193	1.224		2.05	2.00	2.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6708	0.6394		4.42	4.64	-4.7	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RCCVJ22A.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 22-Oct-2021 11:15:30 ALS Bottle#: 9 Worklist Smp#: 2
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021112-002
 Misc. Info.: S157 100ML
 Operator ID: HMT Instrument ID: MR
 Sublist: chrom-MR_TO15*sub19
 Method: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-Oct-2021 11:20:50 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1611

First Level Reviewer: khachitpongpanits

Date: 25-Oct-2021 11:20:50

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	8.609	8.609	0.000	77	293729	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.852	10.852	0.000	92	1341205	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.775	15.775	0.000	83	1101782	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.441	17.441	0.000	94	681000	4.64	4.42	
6 Chlorodifluoromethane	51	3.362	3.362	0.000	99	145591	2.00	1.71	
7 Propene	41	3.373	3.373	0.000	98	88334	2.00	1.73	
8 Dichlorodifluoromethane	85	3.427	3.427	0.000	99	306823	2.00	1.70	
9 Chloromethane	52	3.610	3.610	0.000	97	23419	2.00	1.41	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.621	3.621	0.000	89	263504	2.00	1.63	
12 Vinyl chloride	62	3.777	3.777	0.000	54	110675	2.00	1.50	
11 Acetaldehyde	44	3.782	3.782	0.000	86	198478	10.0	6.75	
14 Butadiene	54	3.869	3.869	0.000	61	68516	2.00	1.55	
13 Butane	43	3.869	3.869	0.000	88	177786	2.00	1.70	
15 Bromomethane	94	4.187	4.187	0.000	98	142462	2.00	1.48	
16 Chloroethane	64	4.332	4.332	0.000	87	57658	2.00	1.52	
17 Ethanol	31	4.462	4.462	0.000	94	304756	10.0	6.60	
18 Vinyl bromide	106	4.634	4.634	0.000	98	168320	2.00	1.76	
19 2-Methylbutane	43	4.683	4.683	0.000	97	168282	2.00	1.86	
20 Trichlorofluoromethane	101	4.904	4.904	0.000	98	320706	2.00	1.67	
21 Acrolein	56	4.926	4.926	0.000	90	35907	2.00	1.89	
22 Acetonitrile	40	5.006	5.006	0.000	100	44790	2.00	1.70	
23 Acetone	58	5.050	5.050	0.000	99	39872	2.00	1.47	
25 Pentane	72	5.131	5.131	0.000	96	14395	2.00	1.64	
24 Isopropyl alcohol	45	5.157	5.157	0.000	93	158830	2.00	1.91	
26 Ethyl ether	31	5.303	5.303	0.000	82	155540	2.00	1.82	
27 1,1-Dichloroethene	96	5.627	5.627	0.000	95	113324	2.00	1.53	
29 Acrylonitrile	53	5.761	5.761	0.000	75	58560	2.00	1.58	
28 2-Methyl-2-propanol	59	5.767	5.767	0.000	93	140750	2.00	1.52	
30 112TCTFE	101	5.815	5.815	0.000	93	265854	2.00	1.66	
31 Methylene Chloride	84	5.988	5.988	0.000	88	104846	2.00	1.51	

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	6.004	6.004	0.000	97	113228	2.00	1.87	
33 Carbon disulfide	76	6.144	6.144	0.000	99	341875	2.00	1.60	
34 trans-1,2-Dichloroethene	96	6.818	6.818	0.000	90	119387	2.00	1.68	
35 2-Methylpentane	43	6.834	6.834	0.000	94	218893	2.00	1.49	
36 Methyl tert-butyl ether	73	6.942	6.942	0.000	95	273180	2.00	1.65	
37 1,1-Dichloroethane	63	7.260	7.260	0.000	98	180109	2.00	1.61	
38 Vinyl acetate	43	7.374	7.374	0.000	99	275963	2.00	1.67	
39 2-Butanone (MEK)	72	7.821	7.821	0.000	88	51272	2.00	1.46	
40 Hexane	56	7.843	7.843	0.000	76	67504	2.00	1.58	
41 Isopropyl ether	45	8.005	8.005	0.000	92	349913	2.00	1.65	
42 cis-1,2-Dichloroethene	96	8.269	8.269	0.000	88	132633	2.00	1.69	
43 Ethyl acetate	43	8.452	8.452	0.000	97	251302	2.00	1.64	
44 Chloroform	83	8.625	8.625	0.000	94	266471	2.00	1.68	
45 Tert-butyl ethyl ether	59	8.700	8.700	0.000	95	248588	2.00	1.59	
46 Tetrahydrofuran	42	9.013	9.013	0.000	92	134015	2.00	1.74	
47 1,1,1-Trichloroethane	97	9.665	9.665	0.000	96	270164	2.00	1.73	
48 1,2-Dichloroethane	62	9.779	9.779	0.000	96	142909	2.00	1.71	
49 n-Butanol	31	10.242	10.242	0.000	85	73235	2.00	1.94	
50 Cyclohexane	69	10.269	10.269	0.000	83	49593	2.00	1.52	
51 Benzene	78	10.286	10.286	0.000	94	371979	2.00	1.68	
52 Carbon tetrachloride	117	10.302	10.302	0.000	96	329745	2.00	2.05	
53 2,3-Dimethylpentane	71	10.399	10.399	0.000	90	75711	2.00	1.65	
54 Thiophene	84	10.566	10.566	0.000	90	212170	2.00	1.67	
55 Isooctane	57	11.068	11.068	0.000	96	485541	2.00	1.68	
56 n-Heptane	71	11.450	11.450	0.000	96	119954	2.00	1.64	
57 1,2-Dichloropropane	63	11.542	11.542	0.000	93	140062	2.00	1.66	
58 Trichloroethene	130	11.574	11.574	0.000	94	204822	2.00	1.78	
59 Dibromomethane	93	11.671	11.671	0.000	95	210848	2.00	1.80	
60 Dichlorobromomethane	83	11.817	11.817	0.000	96	278396	2.00	1.70	
61 1,4-Dioxane	88	11.833	11.833	0.000	37	56626	2.00	1.63	
62 Methyl methacrylate	41	11.919	11.919	0.000	94	151917	2.00	1.59	
63 Methylcyclohexane	83	12.378	12.378	0.000	93	257532	2.00	2.01	
64 4-Methyl-2-pentanone (MIBK)	43	12.820	12.820	0.000	98	255521	2.00	1.51	
65 cis-1,3-Dichloropropene	75	12.885	12.885	0.000	94	201002	2.00	1.64	
66 trans-1,3-Dichloropropene	75	13.623	13.623	0.000	97	172781	2.00	1.61	
67 Toluene	91	13.742	13.742	0.000	95	413471	2.00	1.68	
68 1,1,2-Trichloroethane	83	13.828	13.828	0.000	92	137377	2.00	1.68	
69 2-Hexanone	58	14.222	14.222	0.000	88	88633	2.00	1.51	
70 n-Octane	85	14.454	14.454	0.000	93	113905	2.00	1.71	
71 Chlorodibromomethane	129	14.556	14.556	0.000	95	308634	2.00	1.73	
72 Ethylene Dibromide	107	14.858	14.858	0.000	97	260820	2.00	1.70	
73 Tetrachloroethene	129	14.928	14.928	0.000	96	192471	2.00	1.65	
74 Chlorobenzene	112	15.829	15.829	0.000	96	385523	2.00	1.74	
75 2,3-Dimethylheptane	43	15.834	15.834	0.000	95	368556	2.00	1.59	
76 Ethylbenzene	91	16.120	16.120	0.000	97	530773	2.00	1.59	
77 m-Xylene & p-Xylene	91	16.282	16.282	0.000	96	856542	4.00	3.31	
78 n-Nonane	57	16.703	16.703	0.000	91	204177	2.00	1.60	
79 Bromoform	173	16.746	16.746	0.000	95	276438	2.00	1.41	
80 Styrene	104	16.756	16.756	0.000	95	355955	2.00	1.72	
81 o-Xylene	91	16.816	16.816	0.000	94	419421	2.00	1.59	
82 1,1,2,2-Tetrachloroethane	83	17.150	17.150	0.000	98	356191	2.00	1.66	
83 1,2,3-Trichloropropane	110	17.306	17.306	0.000	95	89440	2.00	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	17.409	17.409	0.000	95	693091	2.00	1.70	
85 N-Propylbenzene	120	17.948	17.948	0.000	99	212925	2.00	1.81	
86 2-Chlorotoluene	126	17.997	17.997	0.000	95	197748	2.00	1.70	
88 4-Ethyltoluene	105	18.099	18.099	0.000	98	633585	2.00	1.59	
87 1,3,5-Trimethylbenzene	120	18.175	18.175	0.000	94	331082	2.00	1.92	
89 Alpha Methyl Styrene	118	18.401	18.401	0.000	90	275953	2.00	1.80	
90 n-Decane	57	18.455	18.455	0.000	86	274969	2.00	1.71	
91 tert-Butylbenzene	119	18.595	18.595	0.000	95	625464	2.00	1.69	
92 1,2,4-Trimethylbenzene	105	18.606	18.606	0.000	94	594309	2.00	1.68	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	891440	2.00	1.67	
94 1,3-Dichlorobenzene	146	18.886	18.886	0.000	95	424340	2.00	1.71	
95 Benzyl chloride	91	18.962	18.962	0.000	99	348010	2.00	1.73	
96 1,4-Dichlorobenzene	146	18.973	18.973	0.000	97	407001	2.00	1.74	
97 4-Isopropyltoluene	119	19.027	19.027	0.000	96	682898	2.00	1.60	
98 1,2,3-Trimethylbenzene	105	19.081	19.081	0.000	97	419555	2.00	1.24	
99 Butylcyclohexane	83	19.129	19.129	0.000	95	428762	2.00	1.57	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	92	571265	2.00	1.62	
101 1,2-Dichlorobenzene	146	19.329	19.329	0.000	84	423350	2.00	1.76	
102 Indene	116	19.458	19.458	0.000	77	419784	2.00	1.64	
103 n-Butylbenzene	91	19.458	19.458	0.000	96	671509	2.00	1.66	
104 Undecane	57	19.760	19.760	0.000	88	308370	2.00	1.60	
105 1,2-Dibromo-3-Chloropropane	157	19.933	19.933	0.000	95	124159	2.00	1.27	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.213	0.000	99	597699	2.00	1.51	
107 Dodecane	57	20.817	20.817	0.000	87	322745	2.00	1.60	
108 1,2,4-Trichlorobenzene	180	21.038	21.038	0.000	94	261883	2.00	1.99	
109 Naphthalene	128	21.184	21.184	0.000	99	657354	2.00	1.88	
110 Hexachlorobutadiene	225	21.394	21.394	0.000	95	492451	2.00	1.68	
111 1,2,3-Trichlorobenzene	180	21.469	21.469	0.000	96	379855	2.00	1.89	
112 2-Methylnaphthalene	142	22.090	22.090	0.000	98	355566	2.00	1.96	
113 1-Methylnaphthalene	142	22.219	22.219	0.000	97	561822	2.00	2.05	E
A 116 C8 Range	1	14.454	(14.405-14.524)		0	1155086	2.00	1.72	
S 117 Xylenes, Total	100				0		6.00	4.90	
S 118 1,2-Dichloroethene, Total	1				0		4.00	3.36	
T 143 2-Methylthiophene TIC	97	13.898	13.898	0.000	97	362732	2.00	1.58	
T 144 3-Methylthiophene TIC	97	14.109	14.109	0.000	98	351618	2.00	1.53	
T 146 2-Ethylthiophene TIC	97	16.223	16.223	0.000	97	431546	2.00	1.88	
T 153 1,2-Dimethyl-4-Ethylbenzene TIC	99	19.830	19.830	0.000	99	494897	2.00	2.16	
T 156 1,2,3,5-Tetramethylbenzene TIC	99	20.267	20.267	0.000	96	355784	2.00	1.55	a
T 155 1,2,3,4-Tetramethylbenzene TIC	99	20.671	20.671	0.000	98	481513	2.00	2.10	a
T 157 Benzo(b)thiophene TIC	134	21.291	21.291	0.000	99	271101	2.00	1.18	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

40CV101S_00157

Amount Added: 100.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RCCVJ22A.D

Injection Date: 22-Oct-2021 11:15:30

Instrument ID: MR

Operator ID: HMT

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 500.000 mL

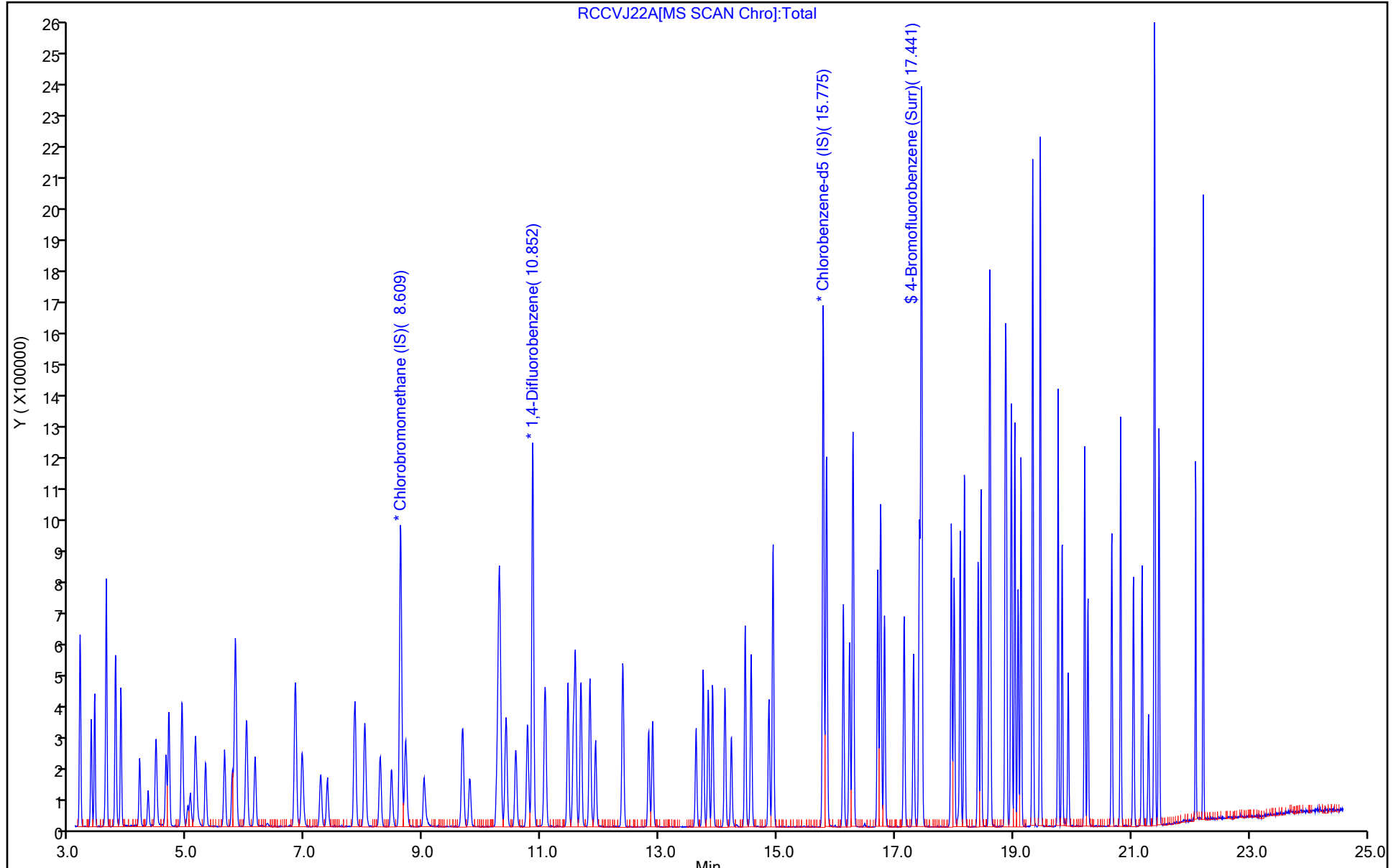
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



RCCVJ22A[MS SCAN Chro]:Total

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Lab Sample ID: ICV 140-54194/18 Calibration Date: 09/25/2021 23:28

Instrument ID: MS Calib Start Date: 09/25/2021 11:54

GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 09/25/2021 21:13

Lab File ID: SI25LCS.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	2.727	2.785		1.63	1.60	2.1	35.0
Propene	Ave	1.260	1.283		1.63	1.60	1.8	35.0
Dichlorodifluoromethane	Ave	3.847	4.325		1.80	1.60	12.4	35.0
Chloromethane	Ave	0.3496	0.3662		1.68	1.60	4.8	35.0
1,2-Dichlorotetrafluoroethane	Ave	2.405	2.479		1.65	1.60	3.1	35.0
Acetaldehyde	Lin1		0.3908		6.43	8.00	-19.7	35.0
Vinyl chloride	Ave	1.200	1.193		1.59	1.60	-0.5	35.0
1,3-Butadiene	Ave	0.8970	0.8883		1.58	1.60	-1.0	35.0
Butane	Ave	1.659	1.657		1.60	1.60	-0.1	35.0
Bromomethane	Ave	1.091	1.070		1.57	1.60	-1.9	35.0
Chloroethane	Ave	0.4543	0.4287		1.51	1.60	-5.6	35.0
Ethanol	Ave	0.4056	0.3310		6.53	8.00	-18.4	35.0
Vinyl bromide	Ave	1.283	1.335		1.66	1.60	4.0	35.0
2-Methylbutane	Ave	1.886	1.981		1.68	1.60	5.0	35.0
Trichlorofluoromethane	Ave	3.745	3.766		1.61	1.60	0.6	35.0
Acrolein	Ave	0.5027	0.4624		1.47	1.60	-8.0	35.0
Acetonitrile	Ave	0.6843	0.7115		1.66	1.60	4.0	35.0
Acetone	Ave	0.8437	0.7761			1.60	-8.0	35.0
Isopropyl alcohol	Ave	2.128	2.628		1.98	1.60	23.5	35.0
Pentane	Ave	0.1636	0.1827		1.79	1.60	11.7	35.0
Ethyl ether	Ave	1.697	1.792		1.69	1.60	5.6	35.0
1,1-Dichloroethene	Ave	1.364	1.335		1.57	1.60	-2.2	35.0
t-Butyl alcohol	Ave	2.389	2.474		1.66	1.60	3.6	35.0
Acrylonitrile	Ave	1.183	1.230		1.66	1.60	3.9	35.0
1,1,2-Trichlorotrifluoroethane	Ave	2.893	2.951		1.63	1.60	2.0	35.0
Methylene Chloride	Ave	1.451	1.354		1.49	1.60	-6.7	35.0
3-Chloropropene	Ave	1.578	1.368		1.39	1.60	-13.3	35.0
Carbon disulfide	Ave	4.225	4.137		1.57	1.60	-2.1	35.0
trans-1,2-Dichloroethene	Ave	1.352	1.335		1.58	1.60	-1.2	35.0
2-Methylpentane	Ave	3.791	3.567		1.51	1.60	-5.9	35.0
Methyl tert-butyl ether	Ave	3.584	3.669		1.64	1.60	2.4	35.0
1,1-Dichloroethane	Ave	2.829	2.921		1.65	1.60	3.3	35.0
Vinyl acetate	Ave	3.982	4.163		1.67	1.60	4.5	35.0
2-Butanone	Ave	0.7566	0.6812		1.44	1.60	-10.0	35.0
Hexane	Ave	1.218	1.245		1.63	1.60	2.2	35.0
Isopropyl ether	Ave	5.614	5.808		1.66	1.60	3.5	35.0
cis-1,2-Dichloroethene	Ave	1.474	1.466		1.59	1.60	-0.5	35.0
Ethyl acetate	Ave	3.778	3.679		1.56	1.60	-2.6	35.0
Chloroform	Ave	3.341	3.403		1.63	1.60	1.9	35.0
Tert-butyl ethyl ether	Ave	4.623	4.524		1.57	1.60	-2.1	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Lab Sample ID: ICV 140-54194/18 Calibration Date: 09/25/2021 23:28

Instrument ID: MS Calib Start Date: 09/25/2021 11:54

GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 09/25/2021 21:13

Lab File ID: SI25LCS.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	1.854	1.877		1.62	1.60	1.2	35.0
1,1,1-Trichloroethane	Ave	3.047	3.007		1.58	1.60	-1.3	35.0
1,2-Dichloroethane	Ave	0.4384	0.4464		1.63	1.60	1.8	35.0
1-Butanol	Ave	0.1053	0.1156		1.76	1.60	9.8	35.0
Benzene	Ave	0.8828	0.9191		1.67	1.60	4.1	35.0
Cyclohexane	Ave	0.1379	0.1410		1.64	1.60	2.2	35.0
Carbon tetrachloride	Ave	0.4345	0.4516		1.66	1.60	3.9	35.0
2,3-Dimethylpentane	Ave	0.1840	0.1859		1.62	1.60	1.0	35.0
Thiophene	Ave	0.4710	0.4723		1.60	1.60	0.3	35.0
2,2,4-Trimethylpentane	Ave	1.539	1.616		1.68	1.60	5.0	35.0
Heptane	Ave	0.2857	0.2897		1.62	1.60	1.4	35.0
1,2-Dichloropropane	Ave	0.3654	0.3798		1.66	1.60	3.9	35.0
Trichloroethene	Ave	0.3219	0.3100		1.54	1.60	-3.7	35.0
Dibromomethane	Ave	0.3628	0.3762		1.66	1.60	3.7	35.0
1,4-Dioxane	Ave	0.1239	0.1227		1.58	1.60	-1.0	35.0
Bromodichloromethane	Ave	0.6009	0.6315		1.68	1.60	5.1	35.0
Methyl methacrylate	Ave	0.4247	0.4316		1.63	1.60	1.6	35.0
Methylcyclohexane	Lin1F		0.6301		1.92	1.60	19.8	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7711	0.8028		1.67	1.60	4.1	35.0
cis-1,3-Dichloropropene	Ave	0.4647	0.4881		1.68	1.60	5.0	35.0
trans-1,3-Dichloropropene	Ave	0.4757	0.5068		1.70	1.60	6.5	35.0
Toluene	Ave	1.221	1.233		1.62	1.60	1.0	35.0
1,1,2-Trichloroethane	Ave	0.3901	0.4008		1.64	1.60	2.7	35.0
2-Hexanone	Ave	0.4008	0.4173		1.67	1.60	4.1	35.0
Octane	Ave	0.3087	0.3279		1.70	1.60	6.2	35.0
Dibromochloromethane	Ave	0.5466	0.5722		1.68	1.60	4.7	35.0
1,2-Dibromoethane	Ave	0.5931	0.6186		1.67	1.60	4.3	35.0
Tetrachloroethene	Ave	0.3768	0.3872		1.64	1.60	2.8	35.0
Chlorobenzene	Ave	0.8276	0.8583		1.66	1.60	3.7	35.0
2,3-Dimethylheptane	Ave	1.274	1.204		1.51	1.60	-5.4	35.0
Ethylbenzene	Ave	1.534	1.596		1.66	1.60	4.0	35.0
m-Xylene & p-Xylene	Ave	1.270	1.309		3.30	3.20	3.1	35.0
Nonane	Ave	0.8486	0.9011		1.70	1.60	6.2	35.0
Bromoform	Ave	0.6412	0.6346		1.58	1.60	-1.0	35.0
Styrene	Ave	0.7694	0.8434		1.75	1.60	9.6	35.0
o-Xylene	Ave	1.282	1.329		1.66	1.60	3.6	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9273	0.9737		1.68	1.60	5.0	35.0
1,2,3-Trichloropropane	Ave	0.1782	0.1890		1.70	1.60	6.1	35.0
Isopropylbenzene	Ave	1.561	1.652		1.69	1.60	5.8	35.0
Propylbenzene	Ave	0.3885	0.4165		1.72	1.60	7.2	35.0
2-Chlorotoluene	Ave	0.3612	0.3834		1.70	1.60	6.1	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Lab Sample ID: ICV 140-54194/18 Calibration Date: 09/25/2021 23:28

Instrument ID: MS Calib Start Date: 09/25/2021 11:54

GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 09/25/2021 21:13

Lab File ID: SI25LCS.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	1.543	1.547		1.60	1.60	0.3	35.0
1,3,5-Trimethylbenzene	Ave	0.5811	0.6920		1.91	1.60	19.1	35.0
Alpha Methyl Styrene	Ave	0.5832	0.6115		1.68	1.60	4.9	35.0
Decane	Ave	1.086	1.206		1.78	1.60	11.0	35.0
tert-Butylbenzene	Ave	1.321	1.400		1.70	1.60	6.0	35.0
1,2,4-Trimethylbenzene	Ave	1.373	1.465		1.71	1.60	6.7	35.0
sec-Butylbenzene	Ave	1.968	2.064		1.68	1.60	4.9	35.0
1,3-Dichlorobenzene	Ave	0.8302	0.8589		1.66	1.60	3.5	35.0
Benzyl chloride	Lin1		0.8247		1.47	1.60	-7.8	35.0
1,4-Dichlorobenzene	Ave	0.8029	0.8177		1.63	1.60	1.8	35.0
4-Isopropyltoluene	Ave	1.492	1.536		1.65	1.60	2.9	35.0
1,2,3-Trimethylbenzene	QuaF		1.067		1.28	1.60	-20.1	35.0
Butylcyclohexane	Ave	1.193	1.187		1.59	1.60	-0.5	35.0
1,2-Dichlorobenzene	Ave	0.8192	0.8503		1.66	1.60	3.8	35.0
Indane	Ave	1.184	1.258		1.70	1.60	6.3	35.0
Butylbenzene	Ave	1.714	1.848		1.72	1.60	7.8	35.0
Indene	Ave	0.9288	0.8790		1.51	1.60	-5.4	35.0
Undecane	Ave	1.206	1.305		1.73	1.60	8.2	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.3353	0.2789		1.33	1.60	-16.8	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.475	1.390		1.51	1.60	-5.8	35.0
Dodecane	Ave	1.245	1.267		1.63	1.60	1.7	35.0
1,2,4-Trichlorobenzene	QuaF		0.5318		1.80	1.60	12.3	35.0
Naphthalene	Ave	1.209	1.220		1.62	1.60	1.0	35.0
Hexachlorobutadiene	Ave	1.145	1.110		1.55	1.60	-3.0	35.0
1,2,3-Trichlorobenzene	Ave	0.5830	0.6374		1.75	1.60	9.3	35.0
2-Methylnaphthalene	Ave	0.2456	0.2558		1.67	1.60	4.2	50.0
1-Methylnaphthalene	Ave	0.2851	0.3713		2.08	1.60	30.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8496	0.8769		4.79	4.64	3.2	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25LCS.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 25-Sep-2021 23:28:30 ALS Bottle#: 19 Worklist Smp#: 18
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-018
 Misc. Info.: S156 80ML
 Operator ID: HMT Instrument ID: MS
 Sublist:
 Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:19:44 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa

Date: 27-Sep-2021 13:19:44

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	9.169	9.166	0.003	93	214883	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	96	1127591	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.022	16.025	-0.003	92	979801	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.676	-0.002	95	830516	4.64	4.79	
6 Chlorodifluoromethane	51	3.779	3.781	-0.002	97	199505	1.60	1.63	
7 Propene	41	3.789	3.791	-0.002	98	91869	1.60	1.63	
8 Dichlorodifluoromethane	85	3.849	3.850	-0.002	100	309761	1.60	1.80	
9 Chloromethane	52	4.037	4.043	-0.006	60	26230	1.60	1.68	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.048	4.049	-0.001	91	177561	1.60	1.65	
11 Acetaldehyde	44	4.204	4.206	-0.002	97	139973	8.00	6.43	
12 Vinyl chloride	62	4.225	4.225	0.000	99	85460	1.60	1.59	
14 Butane	43	4.317	4.317	0.000	83	118693	1.60	1.60	
13 Butadiene	54	4.317	4.319	-0.002	71	63628	1.60	1.58	
15 Bromomethane	94	4.661	4.661	0.000	98	76657	1.60	1.57	
16 Chloroethane	64	4.811	4.811	0.000	94	30710	1.60	1.51	
17 Ethanol	31	4.903	4.908	-0.005	93	118546	8.00	6.53	
18 Vinyl bromide	106	5.134	5.136	-0.002	97	95622	1.60	1.66	
19 2-Methylbutane	43	5.183	5.185	-0.002	93	141908	1.60	1.68	
20 Trichlorofluoromethane	101	5.425	5.423	0.002	99	269759	1.60	1.61	
21 Acrolein	56	5.435	5.435	0.000	32	33124	1.60	1.47	
22 Acetonitrile	40	5.505	5.509	-0.004	99	50966	1.60	1.66	
23 Acetone	58	5.554	5.556	-0.002	98	55593	1.60	1.47	
24 Isopropyl alcohol	45	5.629	5.640	-0.011	93	188262	1.60	1.98	
25 Pentane	72	5.645	5.656	-0.011	97	13087	1.60	1.79	
26 Ethyl ether	31	5.828	5.834	-0.006	94	128322	1.60	1.69	
27 1,1-Dichloroethene	96	6.167	6.170	-0.003	94	95617	1.60	1.57	
29 2-Methyl-2-propanol	59	6.253	6.266	-0.013	94	177210	1.60	1.66	
28 Acrylonitrile	53	6.280	6.280	0.000	95	88068	1.60	1.66	
30 112TCTFE	101	6.350	6.351	-0.001	95	211401	1.60	1.63	
31 Methylene Chloride	84	6.528	6.536	-0.008	96	96997	1.60	1.49	

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	6.549	6.552	-0.003	95	97975	1.60	1.39	
33 Carbon disulfide	76	6.705	6.706	-0.001	100	296290	1.60	1.57	
34 trans-1,2-Dichloroethene	96	7.372	7.376	-0.004	94	95657	1.60	1.58	
35 2-Methylpentane	43	7.388	7.390	-0.002	95	255521	1.60	1.51	
36 Methyl tert-butyl ether	73	7.496	7.506	-0.010	95	262831	1.60	1.64	
37 1,1-Dichloroethane	63	7.813	7.815	-0.002	99	209243	1.60	1.65	
38 Vinyl acetate	43	7.910	7.915	-0.005	100	298194	1.60	1.67	
39 2-Butanone (MEK)	72	8.367	8.377	-0.010	97	48794	1.60	1.44	
40 Hexane	56	8.405	8.402	0.003	90	89141	1.60	1.63	
41 Isopropyl ether	45	8.556	8.563	-0.007	96	416008	1.60	1.66	
42 cis-1,2-Dichloroethene	96	8.819	8.825	-0.006	99	105009	1.60	1.59	
43 Ethyl acetate	43	8.997	9.005	-0.008	98	263500	1.60	1.56	
44 Chloroform	83	9.174	9.176	-0.002	96	243775	1.60	1.63	
45 Tert-butyl ethyl ether	59	9.250	9.259	-0.009	97	324077	1.60	1.57	
46 Tetrahydrofuran	42	9.572	9.586	-0.014	93	134460	1.60	1.62	
47 1,1,1-Trichloroethane	97	10.223	10.225	-0.002	96	215402	1.60	1.58	
48 1,2-Dichloroethane	62	10.336	10.334	0.002	97	167798	1.60	1.63	
49 n-Butanol	31	10.740	10.749	-0.009	93	43457	1.60	1.76	
51 Benzene	78	10.815	10.817	-0.002	97	345467	1.60	1.67	
50 Cyclohexane	69	10.815	10.817	-0.002	68	52993	1.60	1.64	
52 Carbon tetrachloride	117	10.837	10.841	-0.004	94	169728	1.60	1.66	
53 2,3-Dimethylpentane	71	10.923	10.926	-0.003	92	69882	1.60	1.62	
54 Thiophene	84	11.089	11.087	0.002	98	177533	1.60	1.60	
55 Isooctane	57	11.557	11.560	-0.003	97	607233	1.60	1.68	
56 n-Heptane	71	11.929	11.925	0.004	94	108887	1.60	1.62	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	90	142759	1.60	1.66	
58 Trichloroethene	130	12.052	12.052	0.000	90	116533	1.60	1.54	
59 Dibromomethane	93	12.138	12.139	-0.001	95	141401	1.60	1.66	
60 Dichlorobromomethane	83	12.278	12.280	-0.002	97	237360	1.60	1.68	
61 1,4-Dioxane	88	12.278	12.290	-0.012	39	46114	1.60	1.58	
62 Methyl methacrylate	41	12.359	12.359	0.000	91	162234	1.60	1.63	
63 Methylcyclohexane	83	12.811	12.814	-0.003	92	236830	1.60	1.92	
64 4-Methyl-2-pentanone (MIBK)	43	13.193	13.200	-0.007	97	301737	1.60	1.67	
65 cis-1,3-Dichloropropene	75	13.263	13.267	-0.004	98	183469	1.60	1.68	
66 trans-1,3-Dichloropropene	75	13.951	13.950	0.001	97	165507	1.60	1.70	
67 Toluene	91	14.075	14.076	-0.001	92	402567	1.60	1.62	
68 1,1,2-Trichloroethane	83	14.150	14.149	0.001	95	130901	1.60	1.64	
69 2-Hexanone	58	14.511	14.517	-0.006	92	136289	1.60	1.67	
70 n-Octane	85	14.742	14.742	0.000	96	107104	1.60	1.70	
71 Chlorodibromomethane	129	14.850	14.848	0.002	96	186897	1.60	1.68	
72 Ethylene Dibromide	107	15.140	15.139	0.001	98	202048	1.60	1.67	
73 Tetrachloroethene	129	15.205	15.205	0.000	93	126466	1.60	1.64	
75 Chlorobenzene	112	16.071	16.074	-0.003	87	280331	1.60	1.66	
74 2,3-Dimethylheptane	43	16.076	16.076	0.000	94	393315	1.60	1.51	
76 Ethylbenzene	91	16.351	16.353	-0.002	99	521317	1.60	1.66	
77 m-Xylene & p-Xylene	91	16.512	16.513	-0.001	100	854821	3.20	3.30	
78 n-Nonane	57	16.921	16.919	0.002	94	294291	1.60	1.70	
79 Bromoform	173	16.975	16.974	0.001	95	207249	1.60	1.58	
80 Styrene	104	16.980	16.984	-0.004	98	275452	1.60	1.75	
81 o-Xylene	91	17.045	17.045	0.000	96	433944	1.60	1.66	
82 1,1,2,2-Tetrachloroethane	83	17.373	17.374	-0.001	98	318010	1.60	1.68	
83 1,2,3-Trichloropropane	110	17.540	17.538	0.002	96	61742	1.60	1.70	

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	17.642	17.641	0.001	96	539491	1.60	1.69	
85 N-Propylbenzene	120	18.180	18.179	0.001	97	136015	1.60	1.72	
86 2-Chlorotoluene	126	18.228	18.229	-0.001	96	125226	1.60	1.70	
87 4-Ethyltoluene	105	18.325	18.328	-0.003	98	505367	1.60	1.60	
88 1,3,5-Trimethylbenzene	120	18.400	18.399	0.001	90	226008	1.60	1.91	
89 Alpha Methyl Styrene	118	18.632	18.632	0.000	83	199730	1.60	1.68	
90 n-Decane	57	18.675	18.676	-0.001	88	393902	1.60	1.78	
91 tert-Butylbenzene	119	18.825	18.826	-0.001	89	457131	1.60	1.70	
92 1,2,4-Trimethylbenzene	105	18.836	18.838	-0.002	96	478562	1.60	1.71	
93 sec-Butylbenzene	105	19.094	19.093	0.001	97	674086	1.60	1.68	
94 1,3-Dichlorobenzene	146	19.110	19.114	-0.004	97	280520	1.60	1.66	
95 Benzyl chloride	91	19.186	19.185	0.001	96	269363	1.60	1.47	
96 1,4-Dichlorobenzene	146	19.202	19.199	0.003	93	267053	1.60	1.63	
97 4-Isopropyltoluene	119	19.250	19.252	-0.002	96	501763	1.60	1.65	
98 1,2,3-Trimethylbenzene	105	19.309	19.309	0.000	99	348383	1.60	1.28	
99 Butylcyclohexane	83	19.358	19.358	0.000	90	387668	1.60	1.59	
100 2,3-Dihydroindene	117	19.557	19.558	-0.001	92	410708	1.60	1.70	
101 1,2-Dichlorobenzene	146	19.557	19.560	-0.003	79	277711	1.60	1.66	
102 n-Butylbenzene	91	19.686	19.684	0.002	95	603539	1.60	1.72	
103 Indene	116	19.686	19.687	-0.001	92	287074	1.60	1.51	
104 Undecane	57	19.982	19.982	0.000	95	426201	1.60	1.73	
105 1,2-Dibromo-3-Chloropropane	157	20.159	20.158	0.001	89	91098	1.60	1.33	
106 1,2,4,5-Tetramethylbenzene	119	20.439	20.439	0.000	96	453955	1.60	1.51	
107 Dodecane	57	21.063	21.060	0.003	94	413811	1.60	1.63	
108 1,2,4-Trichlorobenzene	180	21.289	21.290	-0.001	94	173698	1.60	1.80	
109 Naphthalene	128	21.440	21.439	0.001	98	398598	1.60	1.62	
110 Hexachlorobutadiene	225	21.628	21.629	-0.001	92	362685	1.60	1.55	
111 1,2,3-Trichlorobenzene	180	21.693	21.693	0.000	94	208175	1.60	1.75	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	98	83543	1.60	1.67	
113 1-Methylnaphthalene	142	22.376	22.377	-0.001	97	121288	1.60	2.08	
A 115 C8 Range	1	14.742	(14.688-14.785)		0	1225214	1.60	1.66	
S 116 Xylenes, Total	100				0		4.80	4.96	
S 117 1,2-Dichloroethene, Total	1				0		3.20	3.17	
T 142 3-Methylthiophene TIC	97	14.430	14.425	0.199	99	294052	1.60	1.44	a
T 141 2-Methylthiophene TIC	97	14.226	14.234	-0.005	97	298414	1.60	1.46	
T 144 2-Ethylthiophene TIC	97	16.458	16.456	0.005	73	368600	1.60	1.81	
T 149 1,2-Dimethyl-4-Ethylbenzene TIC	97	20.052	20.050	0.006	96	361791	1.60	1.77	
T 150 1,2,3,5-Tetramethylbenzene TIC	97	20.493	20.497	0.000	94	268731	1.60	1.32	
T 151 1,2,3,4-Tetramethylbenzene TIC	97	20.913	20.911	0.006	97	360599	1.60	1.77	
T 152 Benzo(b)thiophene TIC	134	21.542	21.541	0.005	99	177939	1.60	0.8717	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

40CV101S_00156

Amount Added: 80.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25LCS.D

Injection Date: 25-Sep-2021 23:28:30

Instrument ID: MS

Operator ID: HMT

Lims ID: ICV

Worklist Smp#: 18

Client ID:

Purge Vol: 500.000 mL

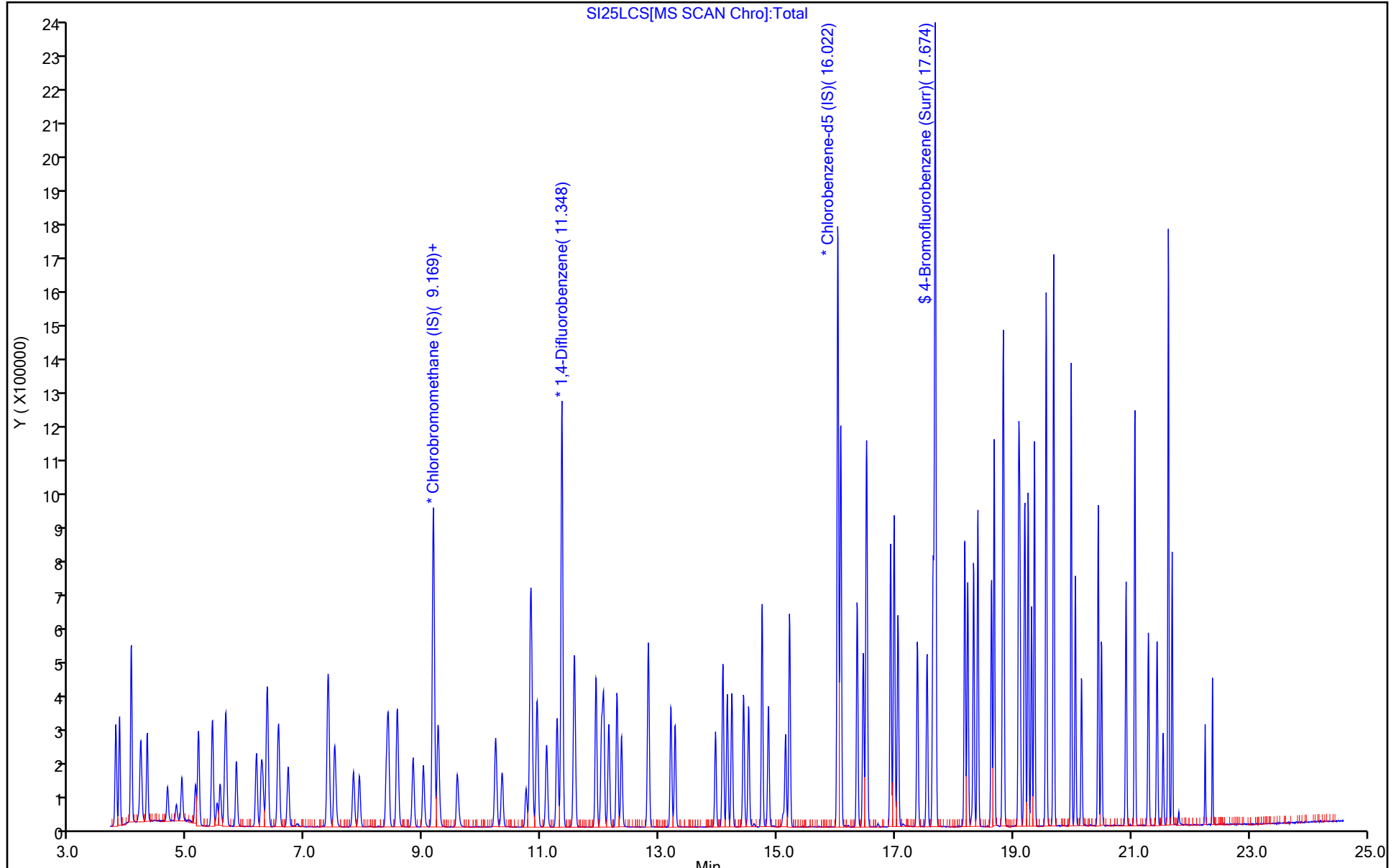
Dil. Factor: 1.0000

ALS Bottle#: 19

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.: 140-25006-1

SDG No.: _____

Lab Sample ID: CCVIS 140-54824/2 Calibration Date: 10/19/2021 10:44

Instrument ID: MS Calib Start Date: 09/25/2021 11:54

GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 09/25/2021 21:13

Lab File ID: SJCCV19.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	2.727	2.537		1.86	2.00	-6.9	30.0
Propene	Ave	1.260	1.048		1.66	2.00	-16.8	30.0
Dichlorodifluoromethane	Ave	3.847	4.229		2.20	2.00	9.9	30.0
Chloromethane	Ave	0.3496	0.4311		2.47	2.00	23.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.405	3.339		2.78	2.00	38.8*	30.0
Acetaldehyde	Lin1		0.4965		12.2	10.0	21.7	30.0
Vinyl chloride	Ave	1.200	1.528		2.55	2.00	27.4	30.0
1,3-Butadiene	Ave	0.8970	1.042		2.32	2.00	16.1	30.0
Butane	Ave	1.659	1.832		2.21	2.00	10.5	30.0
Bromomethane	Ave	1.091	1.684		3.09	2.00	54.3*	30.0
Chloroethane	Ave	0.4543	0.5732		2.52	2.00	26.2	30.0
Ethanol	Ave	0.4056	0.4937		12.2	10.0	21.7	30.0
Vinyl bromide	Ave	1.283	1.479		2.31	2.00	15.3	30.0
2-Methylbutane	Ave	1.886	1.471		1.56	2.00	-22.0	30.0
Trichlorofluoromethane	Ave	3.745	4.253		2.27	2.00	13.6	30.0
Acrolein	Ave	0.5027	0.4342		1.73	2.00	-13.6	30.0
Acetonitrile	Ave	0.6843	0.5179		1.51	2.00	-24.3	30.0
Acetone	Ave	0.8437	0.6209		4.42	6.00	-26.4	30.0
Isopropyl alcohol	Ave	2.128	1.509		4.25	6.00	-29.1	30.0
Pentane	Ave	0.1636	0.1460		1.78	2.00	-10.8	30.0
Ethyl ether	Ave	1.697	1.135		1.34	2.00	-33.1*	30.0
1,1-Dichloroethene	Ave	1.364	1.362		2.00	2.00	-0.2	30.0
t-Butyl alcohol	Ave	2.389	2.120		1.78	2.00	-11.2	30.0
Acrylonitrile	Ave	1.183	0.9659		1.63	2.00	-18.4	30.0
1,1,2-Trichlorotrifluoroethane	Ave	2.893	3.239		2.24	2.00	12.0	30.0
Methylene Chloride	Ave	1.451	1.403		1.93	2.00	-3.3	30.0
3-Chloropropene	Ave	1.578	1.005		1.27	2.00	-36.3*	30.0
Carbon disulfide	Ave	4.225	4.165		1.97	2.00	-1.4	30.0
trans-1,2-Dichloroethene	Ave	1.352	1.351		2.00	2.00	-0.0	30.0
2-Methylpentane	Ave	3.791	2.664		1.41	2.00	-29.7	30.0
Methyl tert-butyl ether	Ave	3.584	3.479		1.94	2.00	-2.9	30.0
1,1-Dichloroethane	Ave	2.829	2.591		1.83	2.00	-8.4	30.0
Vinyl acetate	Ave	3.982	2.689		1.35	2.00	-32.5*	30.0
2-Butanone	Ave	0.7566	0.5779		1.53	2.00	-23.6	30.0
Hexane	Ave	1.218	0.9833		1.61	2.00	-19.3	30.0
Isopropyl ether	Ave	5.614	4.014		1.43	2.00	-28.5	30.0
cis-1,2-Dichloroethene	Ave	1.474	1.402		1.90	2.00	-4.9	30.0
Ethyl acetate	Ave	3.778	2.643		1.40	2.00	-30.0	30.0
Chloroform	Ave	3.341	3.412		2.04	2.00	2.1	30.0
Tert-butyl ethyl ether	Ave	4.623	3.999		1.73	2.00	-13.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-54824/2 Calibration Date: 10/19/2021 10:44
 Instrument ID: MS Calib Start Date: 09/25/2021 11:54
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 09/25/2021 21:13
 Lab File ID: SJCCV19.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	1.854	1.204		1.30	2.00	-35.1*	30.0
1,1,1-Trichloroethane	Ave	3.047	3.144		2.06	2.00	3.2	30.0
1,2-Dichloroethane	Ave	0.4384	0.4267		1.95	2.00	-2.7	30.0
1-Butanol	Ave	0.1053	0.0533		1.01	2.00	-49.4*	30.0
Benzene	Ave	0.8828	0.9018		2.04	2.00	2.2	30.0
Cyclohexane	Ave	0.1379	0.1236		1.79	2.00	-10.4	30.0
Carbon tetrachloride	Ave	0.4345	0.6869		3.16	2.00	58.1*	30.0
2,3-Dimethylpentane	Ave	0.1840	0.1717		1.87	2.00	-6.7	30.0
Thiophene	Ave	0.4710	0.5064		2.15	2.00	7.5	30.0
2,2,4-Trimethylpentane	Ave	1.539	1.287		1.67	2.00	-16.3	30.0
Heptane	Ave	0.2857	0.2548		1.78	2.00	-10.8	30.0
1,2-Dichloropropane	Ave	0.3654	0.3438		1.88	2.00	-5.9	30.0
Trichloroethene	Ave	0.3219	0.3788		2.35	2.00	17.7	30.0
Dibromomethane	Ave	0.3628	0.4179		2.30	2.00	15.2	30.0
Bromodichloromethane	Ave	0.6009	0.6827		2.27	2.00	13.6	30.0
1,4-Dioxane	Ave	0.1239	0.1040		1.68	2.00	-16.1	30.0
Methyl methacrylate	Ave	0.4247	0.3128		1.47	2.00	-26.4	30.0
Methylcyclohexane	Lin1F		0.4790		1.82	2.00	-8.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7711	0.5655		1.47	2.00	-26.7	30.0
cis-1,3-Dichloropropene	Ave	0.4647	0.4968		2.14	2.00	6.9	30.0
trans-1,3-Dichloropropene	Ave	0.4757	0.4630		1.95	2.00	-2.7	30.0
Toluene	Ave	1.221	1.233		2.02	2.00	1.0	30.0
1,1,2-Trichloroethane	Ave	0.3901	0.4365		2.24	2.00	11.9	30.0
2-Hexanone	Ave	0.4008	0.3069		1.53	2.00	-23.4	30.0
Octane	Ave	0.3087	0.3218		2.08	2.00	4.2	30.0
Dibromochloromethane	Ave	0.5466	0.7860		2.88	2.00	43.8*	30.0
1,2-Dibromoethane	Ave	0.5931	0.6925		2.34	2.00	16.8	30.0
Tetrachloroethene	Ave	0.3768	0.4726		2.51	2.00	25.4	30.0
2,3-Dimethylheptane	Ave	1.274	1.050		1.65	2.00	-17.6	30.0
Chlorobenzene	Ave	0.8276	1.011		2.44	2.00	22.1	30.0
Ethylbenzene	Ave	1.534	1.586		2.07	2.00	3.4	30.0
m-Xylene & p-Xylene	Ave	1.270	1.325		4.17	4.00	4.3	30.0
Nonane	Ave	0.8486	0.7357		1.73	2.00	-13.3	30.0
Bromoform	Ave	0.6412	0.7679		2.40	2.00	19.8	30.0
Styrene	Ave	0.7694	0.9081		2.36	2.00	18.0	30.0
o-Xylene	Ave	1.282	1.415		2.21	2.00	10.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9273	1.109		2.39	2.00	19.6	30.0
1,2,3-Trichloropropane	Ave	0.1782	0.2387		2.68	2.00	33.9*	30.0
Isopropylbenzene	Ave	1.561	1.788		2.29	2.00	14.6	30.0
Propylbenzene	Ave	0.3885	0.4677		2.41	2.00	20.4	30.0
2-Chlorotoluene	Ave	0.3612	0.4756		2.63	2.00	31.7*	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Lab Sample ID: CCVIS 140-54824/2 Calibration Date: 10/19/2021 10:44
 Instrument ID: MS Calib Start Date: 09/25/2021 11:54
 GC Column: RTX-5 ID: 0.32 (mm) Calib End Date: 09/25/2021 21:13
 Lab File ID: SJCCV19.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	1.543	1.895		2.46	2.00	22.9	30.0
1,3,5-Trimethylbenzene	Ave	0.5811	0.7472		2.57	2.00	28.6	30.0
Alpha Methyl Styrene	Ave	0.5832	0.7075		2.43	2.00	21.3	30.0
Decane	Ave	1.086	1.113		2.05	2.00	2.4	30.0
tert-Butylbenzene	Ave	1.321	1.689		2.56	2.00	27.9	30.0
1,2,4-Trimethylbenzene	Ave	1.373	1.743		2.54	2.00	27.0	30.0
sec-Butylbenzene	Ave	1.968	2.456		2.50	2.00	24.8	30.0
1,3-Dichlorobenzene	Ave	0.8302	1.018		2.45	2.00	22.6	30.0
Benzyl chloride	Lin1		1.058		2.28	2.00	14.1	30.0
1,4-Dichlorobenzene	Ave	0.8029	0.9755		2.43	2.00	21.5	30.0
4-Isopropyltoluene	Ave	1.492	1.983		2.66	2.00	32.9*	30.0
1,2,3-Trimethylbenzene	QuaF		1.792		2.66	2.00	33.1*	30.0
Butylcyclohexane	Ave	1.193	1.527		2.56	2.00	28.0	30.0
Indane	Ave	1.184	1.645		2.78	2.00	39.0*	30.0
1,2-Dichlorobenzene	Ave	0.8192	1.022		2.50	2.00	24.8	30.0
Butylbenzene	Ave	1.714	2.245		2.62	2.00	31.0*	30.0
Indene	Ave	0.9288	1.333		2.87	2.00	43.6*	30.0
Undecane	Ave	1.206	1.225		2.03	2.00	1.6	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3353	0.4377		2.61	2.00	30.6*	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.475	1.858		2.52	2.00	26.0	30.0
Dodecane	Ave	1.245	1.145		1.84	2.00	-8.1	30.0
1,2,4-Trichlorobenzene	QuaF		0.5443		2.22	2.00	11.0	30.0
Naphthalene	Ave	1.209	1.444		2.39	2.00	19.5	30.0
Hexachlorobutadiene	Ave	1.145	1.020		1.78	2.00	-10.9	30.0
1,2,3-Trichlorobenzene	Ave	0.5830	0.5840		2.00	2.00	0.2	30.0
2-Methylnaphthalene	Ave	0.2456	0.2986		2.43	2.00	21.6	50.0
1-Methylnaphthalene	Ave	0.2851	0.4138		2.90	2.00	45.1	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8496	0.9086		4.96	4.64	6.9	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJCCV19.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 19-Oct-2021 10:44:30 ALS Bottle#: 3 Worklist Smp#: 2
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-002
 Misc. Info.: P153 100ML
 Operator ID: HMT Instrument ID: MS
 Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 13:37:32 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 20-Oct-2021 13:37:32

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	9.164	9.164	0.000	95	174457	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	94	854999	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.023	16.023	0.000	88	723078	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.674	0.000	89	635067	4.64	4.96	
6 Chlorodifluoromethane	51	3.784	3.784	0.000	96	184447	2.00	1.86	
7 Propene	41	3.795	3.795	0.000	98	76202	2.00	1.66	
8 Dichlorodifluoromethane	85	3.849	3.849	0.000	100	307410	2.00	2.20	
9 Chloromethane	52	4.042	4.042	0.000	52	31340	2.00	2.47	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.048	4.048	0.000	93	242679	2.00	2.78	
11 Acetaldehyde	44	4.204	4.204	0.000	100	180470	10.0	12.2	
12 Vinyl chloride	62	4.231	4.231	0.000	99	111082	2.00	2.55	
14 Butane	43	4.317	4.317	0.000	82	133197	2.00	2.21	
13 Butadiene	54	4.317	4.317	0.000	74	75719	2.00	2.32	
15 Bromomethane	94	4.661	4.661	0.000	98	122386	2.00	3.09	
16 Chloroethane	64	4.817	4.817	0.000	88	41665	2.00	2.52	
17 Ethanol	31	4.903	4.903	0.000	95	179432	10.0	12.2	
18 Vinyl bromide	106	5.134	5.134	0.000	97	107514	2.00	2.31	
19 2-Methylbutane	43	5.188	5.188	0.000	90	106899	2.00	1.56	
20 Trichlorofluoromethane	101	5.419	5.419	0.000	99	309171	2.00	2.27	
21 Acrolein	56	5.430	5.430	0.000	31	31561	2.00	1.73	
22 Acetonitrile	40	5.505	5.505	0.000	99	37648	2.00	1.51	
23 Acetone	58	5.549	5.549	0.000	97	135397	6.00	4.42	
24 Isopropyl alcohol	45	5.629	5.629	0.000	93	329051	6.00	4.25	
25 Pentane	72	5.656	5.656	0.000	95	10610	2.00	1.78	
26 Ethyl ether	31	5.823	5.823	0.000	94	82526	2.00	1.34	
27 1,1-Dichloroethene	96	6.173	6.173	0.000	97	98982	2.00	2.00	
29 2-Methyl-2-propanol	59	6.253	6.253	0.000	95	154138	2.00	1.78	
28 Acrylonitrile	53	6.275	6.275	0.000	97	70213	2.00	1.63	
30 112TCTFE	101	6.350	6.350	0.000	95	235474	2.00	2.24	
31 Methylene Chloride	84	6.538	6.538	0.000	95	101982	2.00	1.93	

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	6.555	6.555	0.000	98	73080	2.00	1.27	
33 Carbon disulfide	76	6.705	6.705	0.000	99	302781	2.00	1.97	
34 trans-1,2-Dichloroethene	96	7.378	7.378	0.000	97	98202	2.00	2.00	
35 2-Methylpentane	43	7.388	7.388	0.000	93	193625	2.00	1.41	
36 Methyl tert-butyl ether	73	7.491	7.491	0.000	96	252883	2.00	1.94	
37 1,1-Dichloroethane	63	7.813	7.813	0.000	99	188314	2.00	1.83	
38 Vinyl acetate	43	7.916	7.916	0.000	100	195482	2.00	1.35	
39 2-Butanone (MEK)	72	8.367	8.367	0.000	97	42009	2.00	1.53	
40 Hexane	56	8.394	8.394	0.000	90	71480	2.00	1.61	
41 Isopropyl ether	45	8.556	8.556	0.000	96	291805	2.00	1.43	
42 cis-1,2-Dichloroethene	96	8.825	8.825	0.000	94	101877	2.00	1.90	
43 Ethyl acetate	43	8.997	8.997	0.000	99	192116	2.00	1.40	
44 Chloroform	83	9.174	9.174	0.000	96	248044	2.00	2.04	
45 Tert-butyl ethyl ether	59	9.244	9.244	0.000	96	290720	2.00	1.73	
46 Tetrahydrofuran	42	9.572	9.572	0.000	88	87542	2.00	1.30	
47 1,1,1-Trichloroethane	97	10.223	10.223	0.000	96	228561	2.00	2.06	
48 1,2-Dichloroethane	62	10.331	10.331	0.000	97	152010	2.00	1.95	
49 n-Butanol	31	10.740	10.740	0.000	90	18989	2.00	1.01	
51 Benzene	78	10.815	10.815	0.000	96	321281	2.00	2.04	
50 Cyclohexane	69	10.821	10.821	0.000	63	44019	2.00	1.79	
52 Carbon tetrachloride	117	10.837	10.837	0.000	96	244710	2.00	3.16	
53 2,3-Dimethylpentane	71	10.928	10.928	0.000	92	61155	2.00	1.87	
54 Thiophene	84	11.089	11.089	0.000	94	180411	2.00	2.15	
55 Isooctane	57	11.558	11.558	0.000	97	458635	2.00	1.67	
56 n-Heptane	71	11.929	11.929	0.000	89	90788	2.00	1.78	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	91	122477	2.00	1.88	
58 Trichloroethene	130	12.052	12.052	0.000	94	134962	2.00	2.35	
59 Dibromomethane	93	12.144	12.144	0.000	91	148882	2.00	2.30	
60 Dichlorobromomethane	83	12.278	12.278	0.000	98	243207	2.00	2.27	
61 1,4-Dioxane	88	12.284	12.284	0.000	36	37056	2.00	1.68	
62 Methyl methacrylate	41	12.359	12.359	0.000	95	111436	2.00	1.47	
63 Methylcyclohexane	83	12.811	12.811	0.000	96	170638	2.00	1.82	
64 4-Methyl-2-pentanone (MIBK)	43	13.193	13.193	0.000	97	201449	2.00	1.47	
65 cis-1,3-Dichloropropene	75	13.263	13.263	0.000	93	176990	2.00	2.14	
66 trans-1,3-Dichloropropene	75	13.951	13.951	0.000	97	139496	2.00	1.95	
67 Toluene	91	14.075	14.075	0.000	93	371481	2.00	2.02	
68 1,1,2-Trichloroethane	83	14.145	14.145	0.000	95	131496	2.00	2.24	
69 2-Hexanone	58	14.511	14.511	0.000	93	92465	2.00	1.53	
70 n-Octane	85	14.742	14.742	0.000	91	96941	2.00	2.08	
71 Chlorodibromomethane	129	14.844	14.844	0.000	96	236807	2.00	2.88	
72 Ethylene Dibromide	107	15.140	15.140	0.000	98	208649	2.00	2.34	
73 Tetrachloroethene	129	15.205	15.205	0.000	91	142384	2.00	2.51	
75 Chlorobenzene	112	16.071	16.071	0.000	93	304572	2.00	2.44	
74 2,3-Dimethylheptane	43	16.071	16.071	0.000	96	316300	2.00	1.65	
76 Ethylbenzene	91	16.351	16.351	0.000	99	477798	2.00	2.07	
77 m-Xylene & p-Xylene	91	16.507	16.507	0.000	99	798131	4.00	4.17	
78 n-Nonane	57	16.916	16.916	0.000	90	221644	2.00	1.73	
79 Bromoform	173	16.969	16.969	0.000	94	231361	2.00	2.40	
80 Styrene	104	16.980	16.980	0.000	99	273590	2.00	2.36	
81 o-Xylene	91	17.039	17.039	0.000	98	426265	2.00	2.21	
82 1,1,2,2-Tetrachloroethane	83	17.367	17.367	0.000	98	334072	2.00	2.39	
83 1,2,3-Trichloropropane	110	17.534	17.534	0.000	98	71904	2.00	2.68	

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	17.636	17.636	0.000	95	538739	2.00	2.29	
85 N-Propylbenzene	120	18.174	18.174	0.000	98	140906	2.00	2.41	
86 2-Chlorotoluene	126	18.223	18.223	0.000	97	143285	2.00	2.63	
87 4-Ethyltoluene	105	18.325	18.325	0.000	98	571055	2.00	2.46	
88 1,3,5-Trimethylbenzene	120	18.395	18.395	0.000	92	225131	2.00	2.57	
89 Alpha Methyl Styrene	118	18.626	18.626	0.000	87	213152	2.00	2.43	
90 n-Decane	57	18.675	18.675	0.000	90	335187	2.00	2.05	
91 tert-Butylbenzene	119	18.820	18.820	0.000	90	508746	2.00	2.56	
92 1,2,4-Trimethylbenzene	105	18.831	18.831	0.000	96	525237	2.00	2.54	
93 sec-Butylbenzene	105	19.089	19.089	0.000	98	739829	2.00	2.50	
94 1,3-Dichlorobenzene	146	19.110	19.110	0.000	99	306557	2.00	2.45	
95 Benzyl chloride	91	19.180	19.180	0.000	97	318857	2.00	2.28	
96 1,4-Dichlorobenzene	146	19.197	19.197	0.000	93	293889	2.00	2.43	
97 4-Isopropyltoluene	119	19.250	19.250	0.000	96	597430	2.00	2.66	
98 1,2,3-Trimethylbenzene	105	19.304	19.304	0.000	99	540022	2.00	2.66	
99 Butylcyclohexane	83	19.353	19.353	0.000	97	460189	2.00	2.56	
100 2,3-Dihydroindene	117	19.552	19.552	0.000	92	495705	2.00	2.78	
101 1,2-Dichlorobenzene	146	19.557	19.557	0.000	98	307982	2.00	2.50	
102 n-Butylbenzene	91	19.681	19.681	0.000	95	676381	2.00	2.62	
103 Indene	116	19.681	19.681	0.000	94	401679	2.00	2.87	
104 Undecane	57	19.977	19.977	0.000	96	369131	2.00	2.03	
105 1,2-Dibromo-3-Chloropropane	157	20.154	20.154	0.000	96	131878	2.00	2.61	
106 1,2,4,5-Tetramethylbenzene	119	20.434	20.434	0.000	96	559832	2.00	2.52	
107 Dodecane	57	21.058	21.058	0.000	98	344851	2.00	1.84	
108 1,2,4-Trichlorobenzene	180	21.284	21.284	0.000	94	163980	2.00	2.22	
109 Naphthalene	128	21.434	21.434	0.000	99	434995	2.00	2.39	
110 Hexachlorobutadiene	225	21.628	21.628	0.000	95	307352	2.00	1.78	
111 1,2,3-Trichlorobenzene	180	21.693	21.693	0.000	94	175941	2.00	2.00	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	97	89967	2.00	2.43	
113 1-Methylnaphthalene	142	22.376	22.376	0.000	95	124688	2.00	2.90	
A 115 C8 Range	1	14.742	(14.694-14.791)		0	953091	2.00	1.71	
S 116 Xylenes, Total	100				0		6.00	6.38	
S 117 1,2-Dichloroethene, Total	1				0		4.00	3.90	

QC Flag Legend

Processing Flags

Reagents:

40CV101P_00153

Amount Added: 100.00

Units: ml

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJCCV19.D

Injection Date: 19-Oct-2021 10:44:30

Instrument ID: MS

Operator ID: HMT

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 500.000 mL

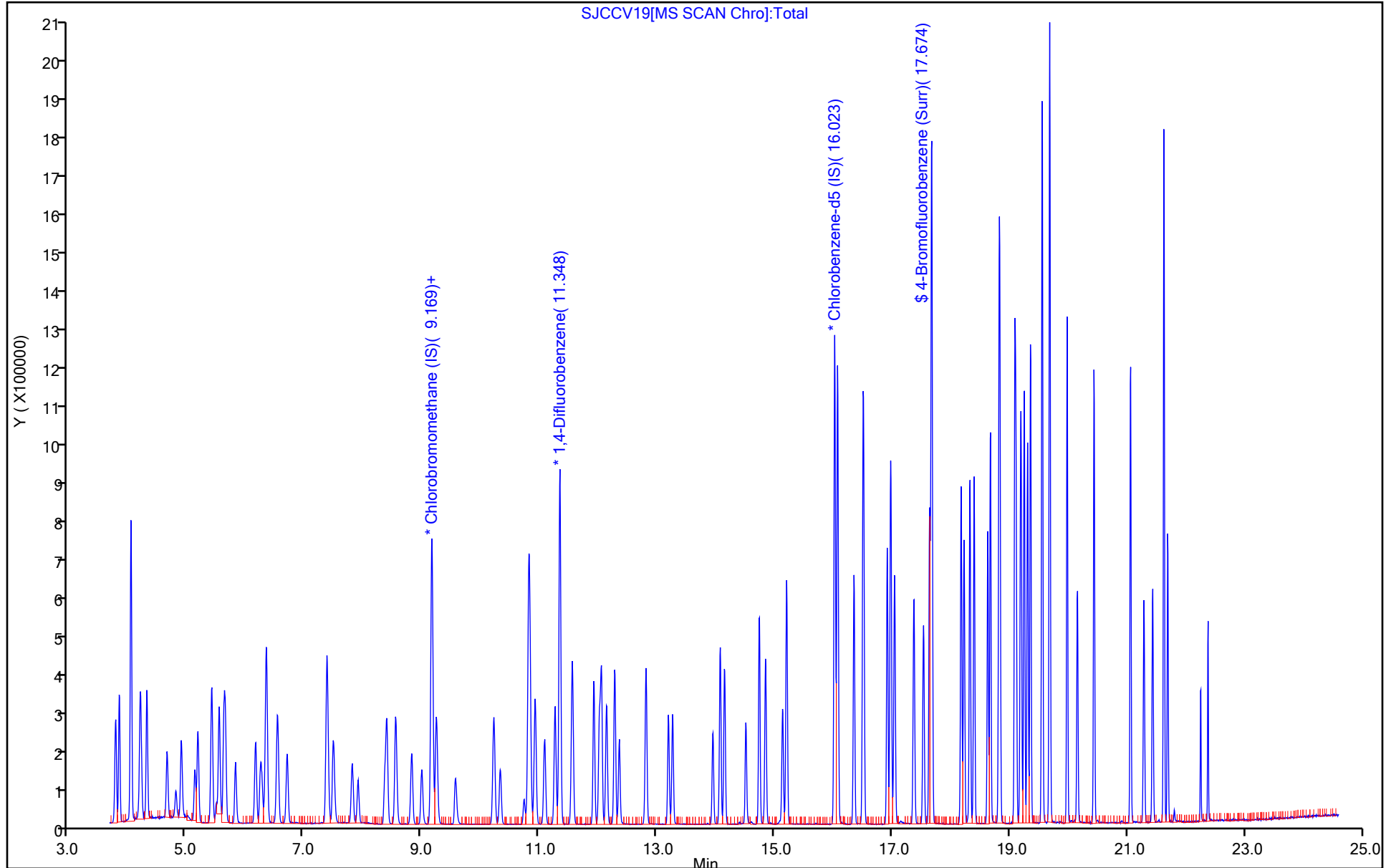
Dil. Factor: 1.0000

ALS Bottle#: 3

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\MR\20211007-20984.b\RBFBJ07B.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 07-Oct-2021 13:49:30 ALS Bottle#: 16 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 140-0020976-001
 Misc. Info.: BFB
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 08-Oct-2021 13:50:36 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
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\$ 5 BFB	95	6.127	6.127	0.000	0	408711	NR	NR	
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QC Flag Legend

Processing Flags
 NR - Missing Quant Standard

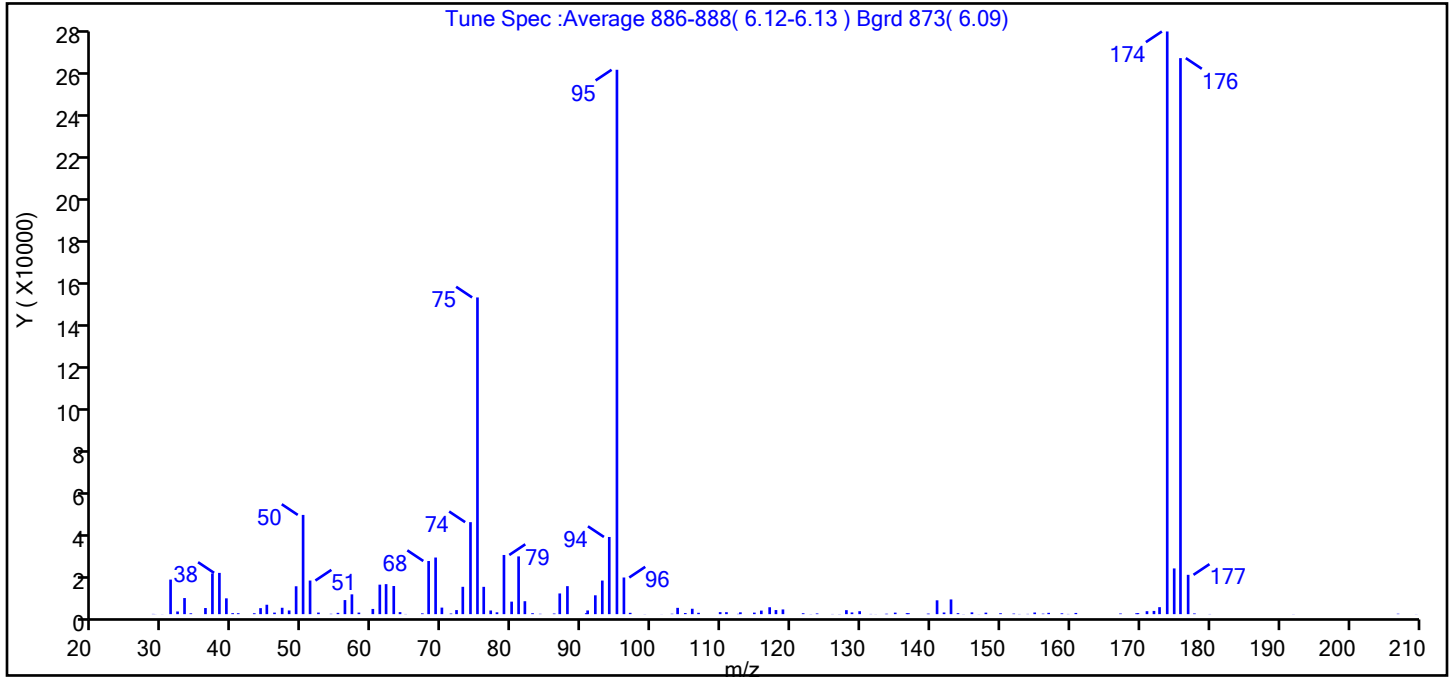
Reagents:

40MXBFB_00001 Amount Added: 40.00 Units: mL

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RBFBJ07B.D
 Injection Date: 07-Oct-2021 13:49:30 Instrument ID: MR
 Lims ID: BFB
 Client ID:
 Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Method: MR_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	18.2
75	30 to 60% of m/z 95	58.2
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	1.3 (1.2)
174	50 to 120% of m/z 95	107.0
175	5 to 9% of m/z 174	8.4 (7.8)
176	Greater than 95% but less than 101% of m/z 174	102.1 (95.4)
177	5 to 9% of m/z 176	7.2 (7.1)

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RBFB07B.D\MR_TO15.rslt\spectra.d
 Injection Date: 07-Oct-2021 13:49:30
 Spectrum: Tune Spec :Average 886-888(6.12-6.13) Bgrd 873(6.09)
 Base Peak: 173.90
 Minimum % Base Peak: 0
 Number of Points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	113	65.00	80	104.00	3008	144.00	480
29.00	40	67.00	373	105.00	527	145.00	65
30.00	44	68.00	25392	106.00	2575	146.00	847
31.00	16512	69.00	27056	107.00	643	147.00	47
32.00	1274	70.00	3126	110.00	962	148.00	712
33.00	7693	71.00	294	111.00	945	150.00	430
34.00	403	72.00	1937	112.00	139	152.00	266
36.00	2919	73.00	13063	113.00	876	153.00	85
37.00	19456	74.00	43960	115.00	732	154.00	123
38.00	19720	75.00	151360	116.00	1691	155.00	775
39.00	7553	76.00	13049	117.00	3296	156.00	232
40.00	471	77.00	1744	118.00	1951	157.00	628
41.00	446	78.00	873	119.00	2246	159.00	396
43.00	433	79.00	28280	122.00	435	160.00	100
44.00	2866	80.00	5978	123.00	67	161.00	576
45.00	4493	81.00	27592	124.00	334	167.00	307
46.00	732	82.00	6177	126.00	85	170.00	410
47.00	3048	83.00	447	127.00	70	170.00	492
48.00	1759	84.00	166	128.00	1903	171.00	1413
49.00	13323	86.00	294	129.00	812	172.00	1539
50.00	47424	87.00	9890	130.00	1404	173.00	3333
51.00	16058	88.00	13379	131.00	98	174.00	278464
52.00	747	91.00	460	132.00	44	175.00	21848
54.00	167	91.00	1762	134.00	133	176.00	265728
55.00	624	92.00	9002	134.00	158	177.00	18792
56.00	6721	93.00	16048	135.00	723	178.00	335
57.00	9458	94.00	36880	137.00	474	180.00	82
58.00	739	95.00	260160	137.00	444	192.00	55
60.00	2484	96.00	17512	140.00	210	207.00	203
61.00	14090	97.00	636	140.00	177	210.00	54
62.00	14338	99.00	56	141.00	6611		
63.00	13444	101.00	36	142.00	781		
64.00	961	103.00	189	143.00	7029		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	113	65.00	80	104.00	3008	144.00	480
29.00	40	67.00	373	105.00	527	145.00	65
30.00	44	68.00	25392	106.00	2575	146.00	847
31.00	16512	69.00	27056	107.00	643	147.00	47
32.00	1274	70.00	3126	110.00	962	148.00	712
33.00	7693	71.00	294	111.00	945	150.00	430
34.00	403	72.00	1937	112.00	139	152.00	266
36.00	2919	73.00	13063	113.00	876	153.00	85
37.00	19456	74.00	43960	115.00	732	154.00	123
38.00	19720	75.00	151360	116.00	1691	155.00	775
39.00	7553	76.00	13049	117.00	3296	156.00	232
40.00	471	77.00	1744	118.00	1951	157.00	628
41.00	446	78.00	873	119.00	2246	159.00	396
43.00	433	79.00	28280	122.00	435	160.00	100
44.00	2866	80.00	5978	123.00	67	161.00	576
45.00	4493	81.00	27592	124.00	334	167.00	307
46.00	732	82.00	6177	126.00	85	170.00	410
47.00	3048	83.00	447	127.00	70	170.00	492
48.00	1759	84.00	166	128.00	1903	171.00	1413
49.00	13323	86.00	294	129.00	812	172.00	1539
50.00	47424	87.00	9890	130.00	1404	173.00	3333
51.00	16058	88.00	13379	131.00	98	174.00	278464
52.00	747	91.00	460	132.00	44	175.00	21848
54.00	167	91.00	1762	134.00	133	176.00	265728
55.00	624	92.00	9002	134.00	158	177.00	18792
56.00	6721	93.00	16048	135.00	723	178.00	335
57.00	9458	94.00	36880	137.00	474	180.00	82
58.00	739	95.00	260160	137.00	444	192.00	55
60.00	2484	96.00	17512	140.00	210	207.00	203
61.00	14090	97.00	636	140.00	177	210.00	54
62.00	14338	99.00	56	141.00	6611		
63.00	13444	101.00	36	142.00	781		
64.00	961	103.00	189	143.00	7029		

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RBFBJ07B.D

Injection Date: 07-Oct-2021 13:49:30

Instrument ID: MR

Operator ID: HMT

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 500.0 mL

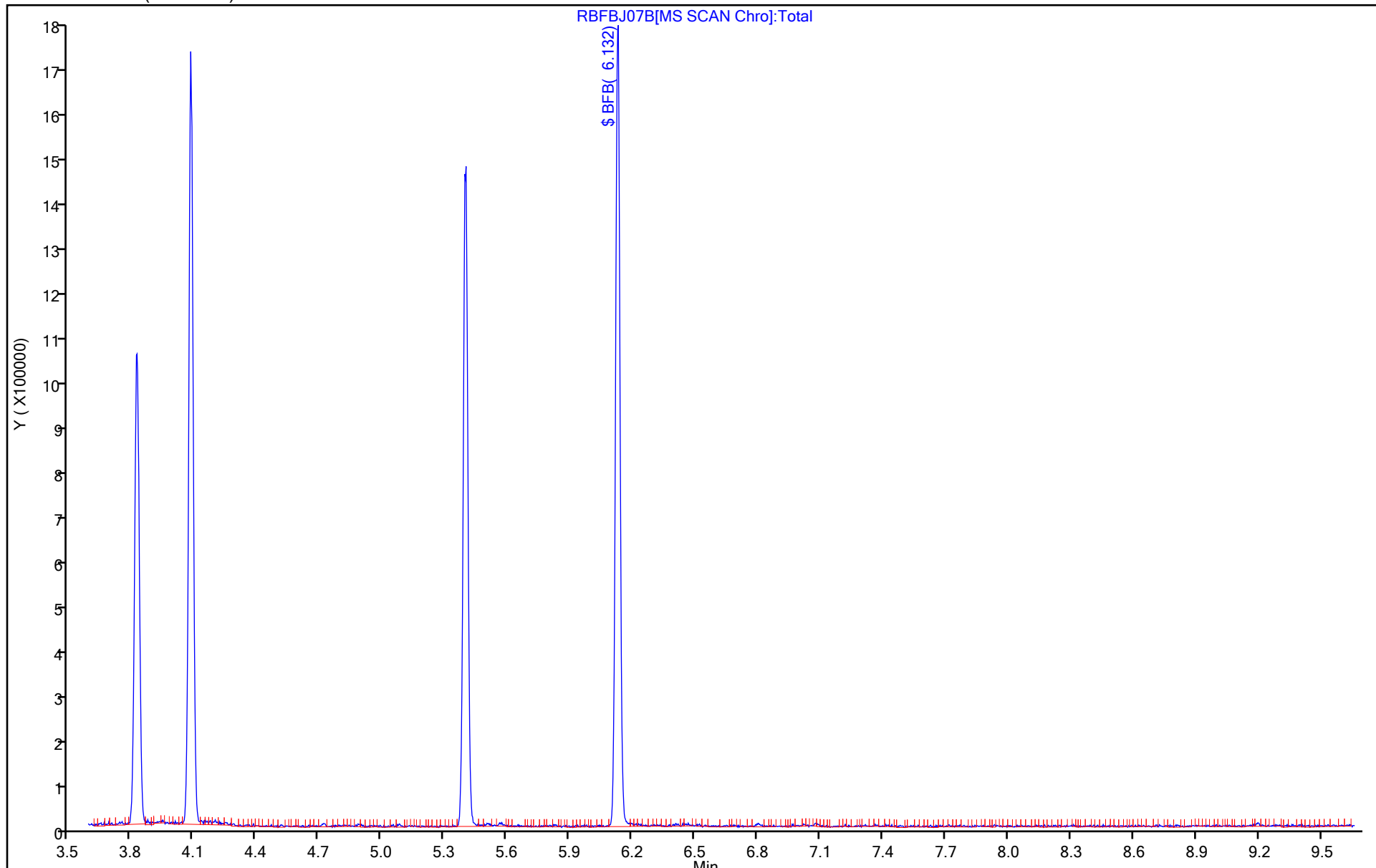
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MR_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\MR\20211019-21112.b\RBFBJ22A.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 22-Oct-2021 10:41:30 ALS Bottle#: 8 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 140-0021112-001
 Misc. Info.: BFB
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-Oct-2021 11:13:10 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1611

First Level Reviewer: khachitpongpanits Date: 25-Oct-2021 11:13:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
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\$ 5 BFB	95	6.121	6.121	0.000	0	521255	NR	NR	8
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QC Flag Legend

Processing Flags

- NR - Missing Quant Standard
- 8 - Failed MS Tune Ratio Test

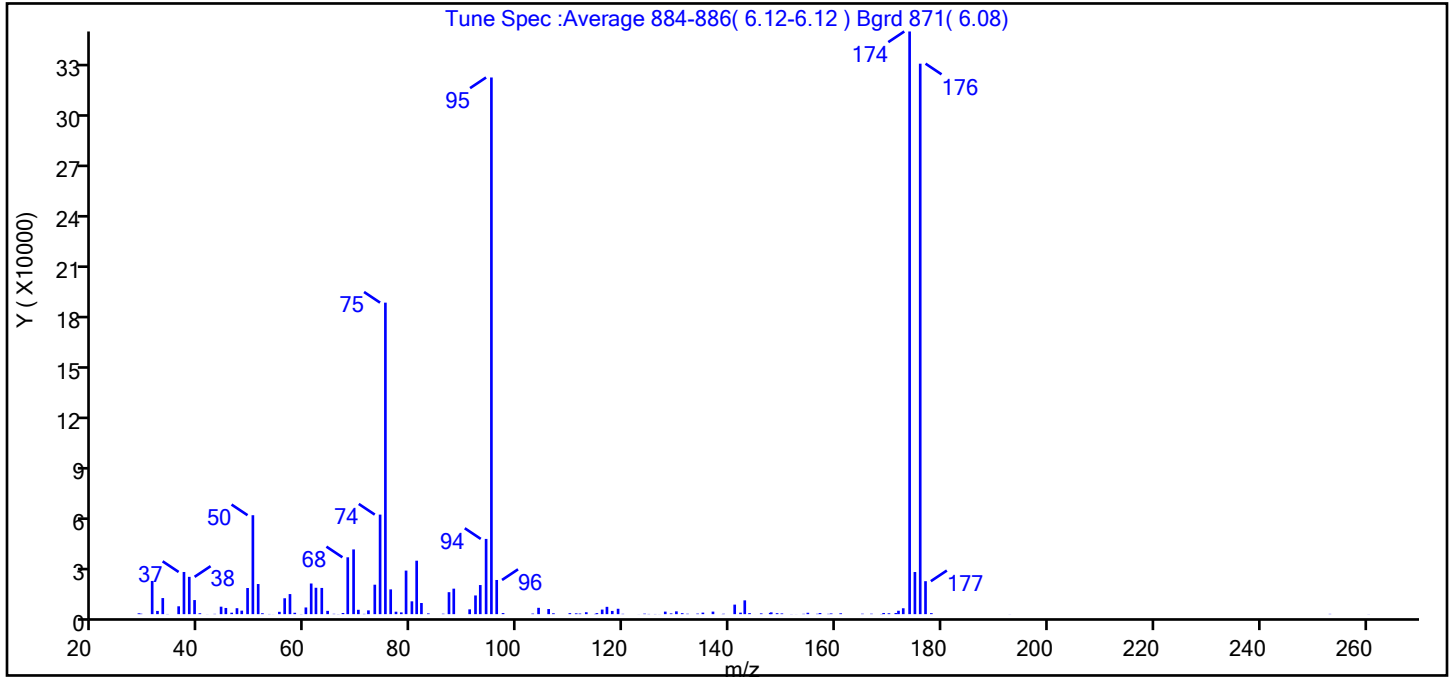
Reagents:

40MXBFB_00001 Amount Added: 40.00 Units: mL

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RBFBJ22A.D
 Injection Date: 22-Oct-2021 10:41:30 Instrument ID: MR
 Lims ID: BFB
 Client ID:
 Operator ID: HMT ALS Bottle#: 8 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Method: MR_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	18.4
75	30 to 60% of m/z 95	58.0
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	1.1 (1.0)
174	50 to 120% of m/z 95	108.6
175	5 to 9% of m/z 174	7.9 (7.2)
176	Greater than 95% but less than 101% of m/z 174	102.6 (94.5)*
177	5 to 9% of m/z 176	6.1 (6.0)

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RBFB22A.D\MR_TO15.rslt\spectra.d
 Injection Date: 22-Oct-2021 10:41:30
 Spectrum: Tune Spec :Average 884-886(6.12-6.12) Bgrd 871(6.08)
 Base Peak: 173.90
 Minimum % Base Peak: 0
 Number of Points: 128

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	507	63.00	15677	104.00	3794	144.00	607
29.00	263	64.00	1954	106.00	3052	145.00	12
31.00	19856	65.00	200	107.00	519	146.00	458
32.00	1914	66.00	73	110.00	604	148.00	742
33.00	9617	67.00	691	111.00	488	148.00	1060
34.00	98	68.00	34008	112.00	361	149.00	583
36.00	4695	69.00	38728	113.00	1141	150.00	439
37.00	25224	70.00	2605	115.00	150	152.00	74
38.00	22320	71.00	162	115.00	617	152.00	38
39.00	8420	72.00	2249	116.00	2734	154.00	192
40.00	527	73.00	17616	117.00	4373	155.00	831
41.00	38	74.00	59552	118.00	1922	156.00	209
43.00	169	75.00	186368	119.00	3216	157.00	673
44.00	4459	76.00	14813	120.00	192	159.00	183
45.00	3701	77.00	1464	123.00	36	159.00	423
46.00	860	78.00	1046	124.00	292	161.00	509
47.00	3555	79.00	26056	125.00	125	165.00	257
48.00	2095	80.00	7666	126.00	99	167.00	260
49.00	15636	81.00	31976	127.00	41	169.00	98
50.00	59192	82.00	6662	128.00	1512	169.00	696
51.00	18016	83.00	444	129.00	452	170.00	527
52.00	544	86.00	255	130.00	1673	171.00	691
53.00	108	87.00	13137	131.00	579	172.00	2038
54.00	34	88.00	15247	132.00	248	173.00	3521
55.00	1388	91.00	2873	134.00	334	174.00	348608
56.00	9508	92.00	11184	135.00	910	175.00	25208
57.00	12007	93.00	17408	137.00	1517	176.00	329344
58.00	821	94.00	45008	139.00	36	177.00	19712
59.00	94	95.00	321088	139.00	232	178.00	601
60.00	3992	96.00	20440	141.00	5700	193.00	44
61.00	18336	97.00	642	142.00	886	253.00	159
62.00	15779	103.00	342	143.00	8249	260.00	53

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RBFBJ22A.D

Injection Date: 22-Oct-2021 10:41:30

Instrument ID: MR

Operator ID: HMT

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 500.0 mL

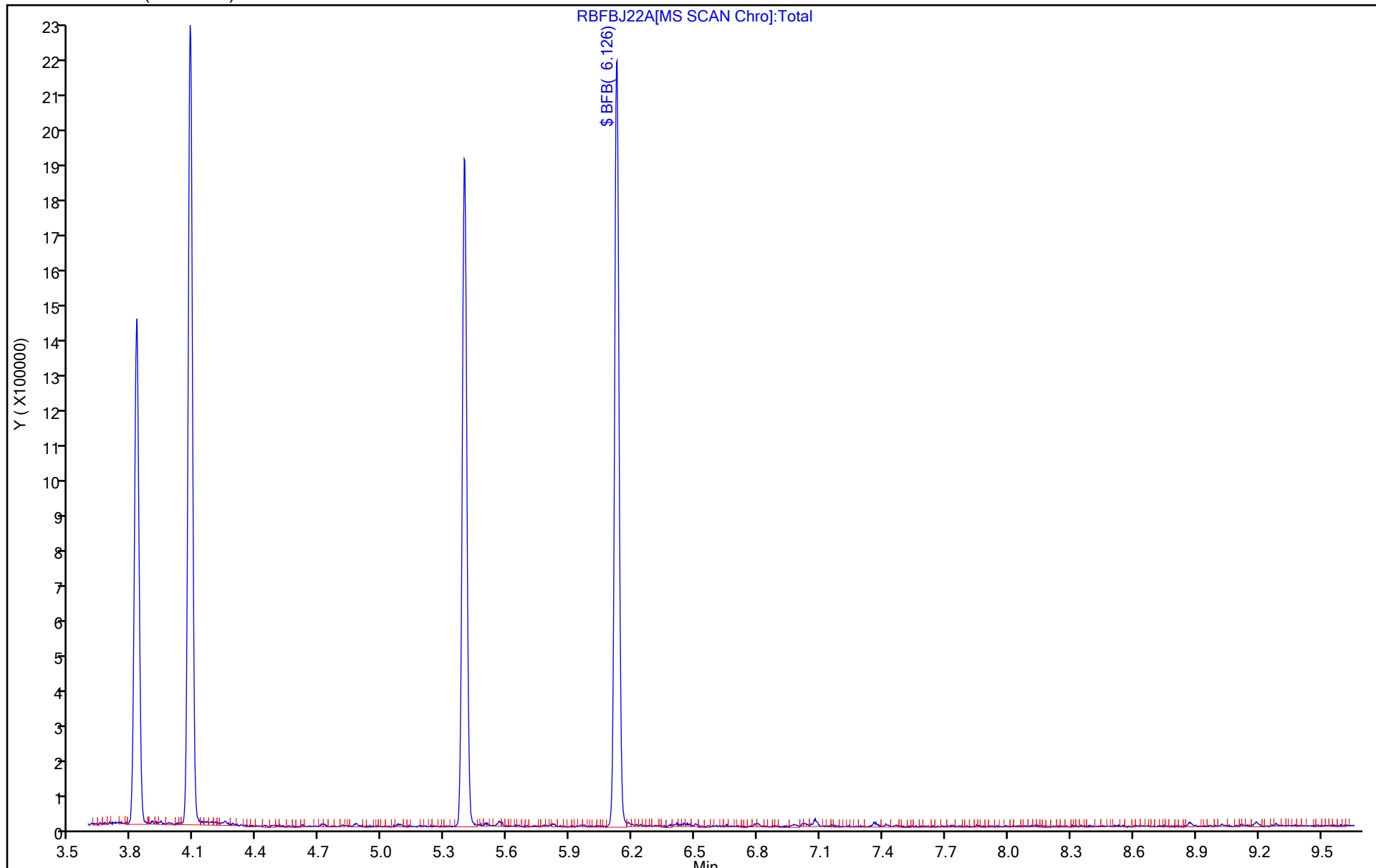
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: MR_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\20210925-20838.b\SBFBI24IC.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 25-Sep-2021 10:26:30 ALS Bottle#: 19 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 140-0020838-001
 Misc. Info.: BFB
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 27-Sep-2021 13:09:01 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1656

First Level Reviewer: barlozhetskayaa Date: 27-Sep-2021 13:09:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
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\$ 5 BFB	95	4.735	4.735	0.000	0	985975	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

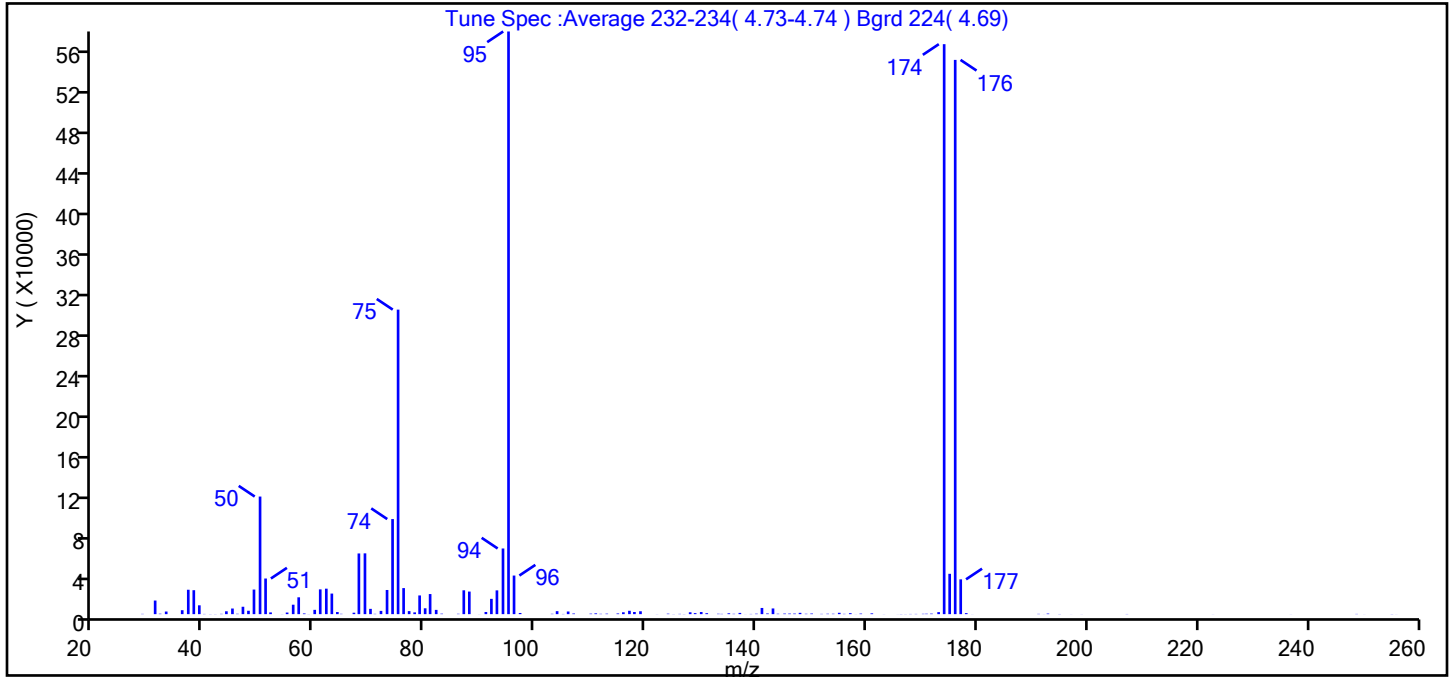
Reagents:

40MXBFB_00001 Amount Added: 40.00 Units: mL

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SBFBI24IC.D
 Injection Date: 25-Sep-2021 10:26:30 Instrument ID: MS
 Lims ID: BFB
 Client ID:
 Operator ID: HMT ALS Bottle#: 19 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	20.2
75	30 to 60% of m/z 95	52.3
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	97.8
175	5 to 9% of m/z 174	6.9 (7.1)
176	Greater than 95% but less than 101% of m/z 174	95.1 (97.2)
177	5 to 9% of m/z 176	6.0 (6.3)

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SBFBI24IC.D\MS_TO15A.rslt\spectra.d
Injection Date: 25-Sep-2021 10:26:30
Spectrum: Tune Spec :Average 232-234(4.73-4.74) Bgrd 224(4.69)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	262	69.00	60368	115.00	679	155.00	1344
31.00	13507	70.00	5253	116.00	1849	156.00	287
32.00	433	71.00	288	117.00	3338	157.00	942
33.00	2599	72.00	3235	118.00	2133	158.00	56
36.00	3918	73.00	23984	119.00	2857	159.00	555
37.00	24224	74.00	94416	122.00	82	161.00	779
38.00	23776	75.00	302400	124.00	467	163.00	74
39.00	8768	76.00	25864	125.00	110	166.00	50
40.00	203	77.00	3011	126.00	263	166.00	141
41.00	118	78.00	1746	127.00	120	167.00	105
42.00	111	79.00	18576	128.00	1853	168.00	193
43.00	295	80.00	5818	129.00	1021	169.00	224
44.00	2845	81.00	19952	130.00	2094	170.00	333
45.00	5585	82.00	4225	131.00	940	171.00	414
46.00	362	83.00	471	133.00	375	172.00	524
47.00	7336	86.00	354	134.00	262	173.00	1994
48.00	3356	87.00	23680	135.00	852	174.00	566016
49.00	24416	88.00	22424	136.00	329	175.00	40048
50.00	116776	90.00	58	137.00	1229	176.00	550400
51.00	35384	91.00	2149	138.00	52	177.00	34560
52.00	1711	92.00	15186	139.00	207	178.00	995
54.00	72	93.00	23608	140.00	428	179.00	56
55.00	1591	94.00	65200	141.00	6141	191.00	268
56.00	9376	95.00	578624	142.00	670	192.00	54
57.00	16712	96.00	38328	143.00	5651	193.00	566
58.00	690	97.00	1151	144.00	400	195.00	151
59.00	85	103.00	336	145.00	558	197.00	50
60.00	4272	104.00	2966	146.00	567	199.00	70
61.00	24592	105.00	192	147.00	556	207.00	171
62.00	25296	106.00	2628	148.00	1293	223.00	58
63.00	20432	107.00	631	149.00	357	237.00	60
64.00	2083	110.00	493	150.00	611	249.00	229
65.00	321	111.00	787	152.00	263	250.00	55

Report Date: 27-Sep-2021 13:09:01

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SBFBI24IC.D\MS_TO15A.rslt\spectra.d

Injection Date: 25-Sep-2021 10:26:30

Spectrum: Tune Spec :Average 232-234(4.73-4.74) Bgrd 224(4.69)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
67.00	1420	112.00	317	153.00	397	255.00	138
68.00	60264	113.00	459	154.00	384	256.00	52

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SBFBI24IC.D

Injection Date: 25-Sep-2021 10:26:30

Instrument ID: MS

Operator ID: HMT

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 500.0 mL

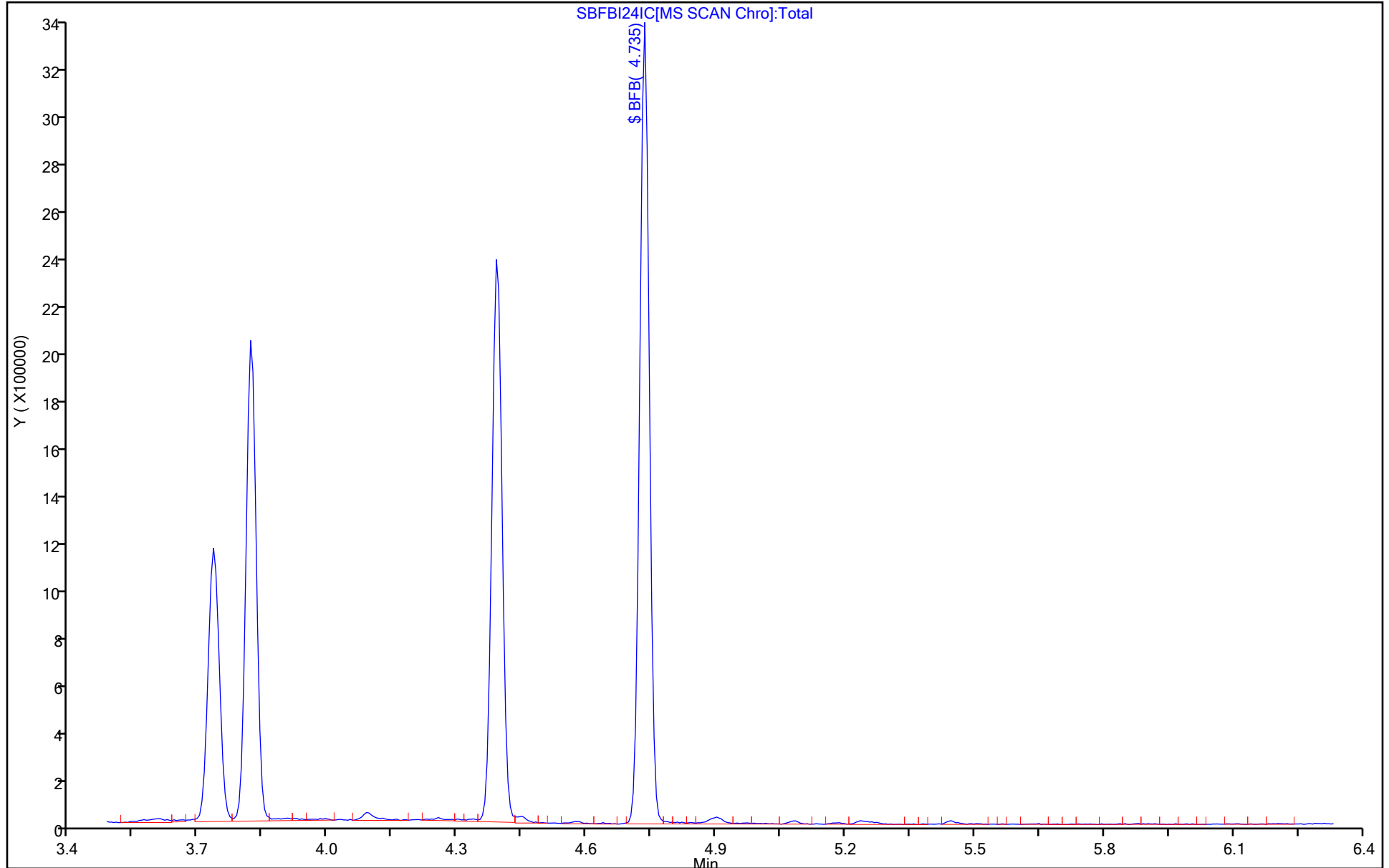
Dil. Factor: 1.0000

ALS Bottle#: 19

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\20211014-21072.b\SBFBJ19.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 19-Oct-2021 10:15:30 ALS Bottle#: 16 Worklist Smp#: 1
 Injection Vol: 500.0 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-001
 Misc. Info.: DNU
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 13:36:24 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 13:36:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
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\$ 5 BFB	95	4.735	4.735	0.000	0	638506	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

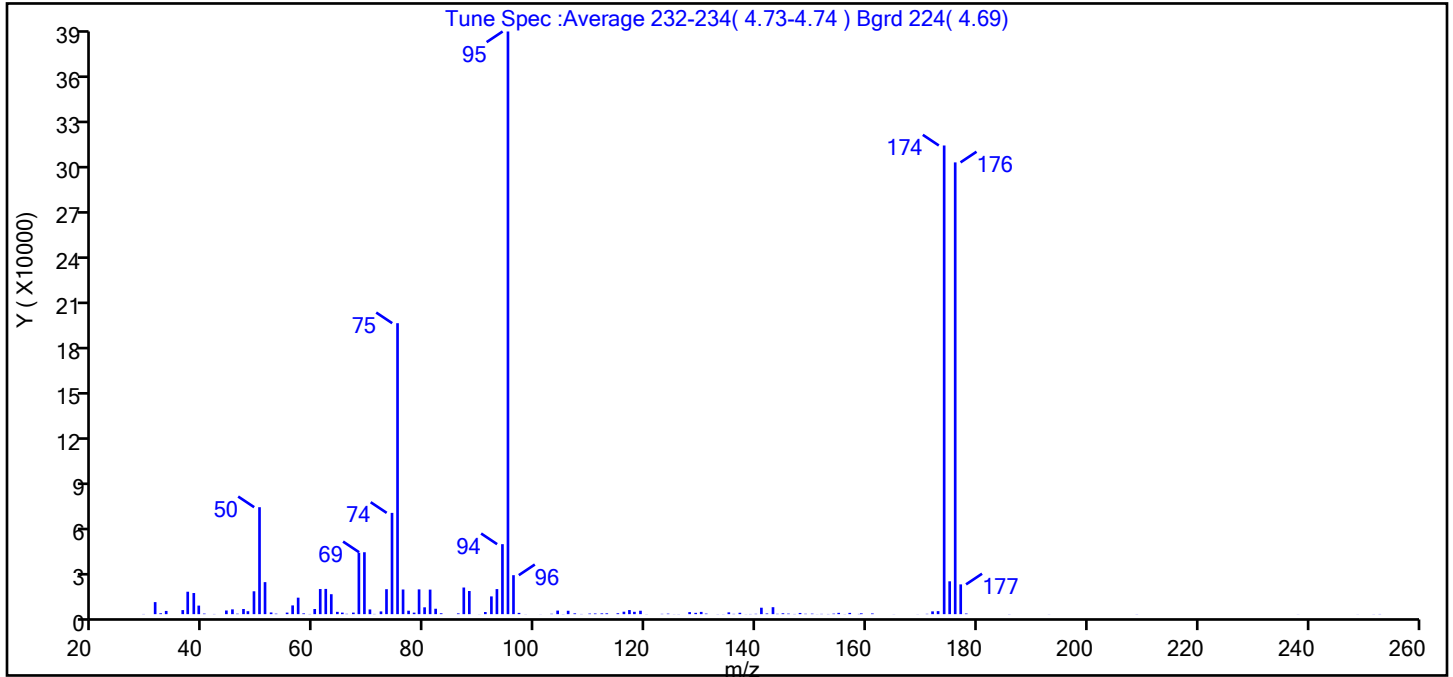
Reagents:

40MXBFB_00001 Amount Added: 40.00 Units: mL

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SBFBJ19.D
 Injection Date: 19-Oct-2021 10:15:30 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	18.4
75	30 to 60% of m/z 95	49.9
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	80.4
175	5 to 9% of m/z 174	5.6 (7.0)
176	Greater than 95% but less than 101% of m/z 174	77.5 (96.4)
177	5 to 9% of m/z 176	5.1 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SBFBJ19.D\MS_TO15A.rslt\spectra.d
Injection Date: 19-Oct-2021 10:15:30
Spectrum: Tune Spec :Average 232-234(4.73-4.74) Bgrd 224(4.69)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	116	68.00	40216	107.00	526	146.00	353
31.00	7884	69.00	40552	108.00	120	147.00	122
32.00	566	70.00	3072	110.00	374	148.00	780
33.00	2103	71.00	137	111.00	437	149.00	242
36.00	2652	72.00	1786	112.00	508	150.00	318
37.00	14690	73.00	16349	113.00	544	151.00	54
38.00	13836	74.00	66336	115.00	595	152.00	171
39.00	5597	75.00	190592	116.00	1604	153.00	120
40.00	355	76.00	16147	117.00	2682	154.00	334
42.00	119	77.00	2252	118.00	1533	155.00	848
44.00	2383	78.00	980	119.00	2232	156.00	72
45.00	3138	79.00	16225	120.00	79	157.00	824
46.00	299	80.00	4475	123.00	195	159.00	147
47.00	3377	81.00	16075	124.00	331	159.00	528
48.00	1931	82.00	3541	125.00	67	161.00	446
49.00	14975	83.00	580	126.00	79	165.00	64
50.00	70056	86.00	511	128.00	1335	169.00	58
51.00	20968	87.00	17440	129.00	859	171.00	206
52.00	1105	88.00	15151	130.00	1470	172.00	1819
53.00	315	90.00	55	131.00	369	173.00	1971
55.00	1011	91.00	1384	133.00	84	174.00	307008
56.00	5723	92.00	11624	134.00	73	175.00	21512
57.00	10792	93.00	16416	135.00	1173	176.00	295936
58.00	504	94.00	45840	136.00	183	177.00	19496
59.00	118	95.00	381696	137.00	897	178.00	406
60.00	3361	96.00	25528	138.00	62	186.00	83
61.00	16456	97.00	836	139.00	118	193.00	54
62.00	16528	98.00	64	140.00	219	209.00	81
63.00	13066	101.00	55	141.00	4215	238.00	52
64.00	1509	103.00	236	142.00	452	249.00	50
65.00	1010	104.00	2318	143.00	4551	252.00	67
66.00	217	105.00	88	144.00	222	253.00	112
67.00	1005	106.00	2212	145.00	567		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	116	68.00	40216	107.00	526	146.00	353
31.00	7884	69.00	40552	108.00	120	147.00	122
32.00	566	70.00	3072	110.00	374	148.00	780
33.00	2103	71.00	137	111.00	437	149.00	242
36.00	2652	72.00	1786	112.00	508	150.00	318
37.00	14690	73.00	16349	113.00	544	151.00	54
38.00	13836	74.00	66336	115.00	595	152.00	171
39.00	5597	75.00	190592	116.00	1604	153.00	120
40.00	355	76.00	16147	117.00	2682	154.00	334
42.00	119	77.00	2252	118.00	1533	155.00	848
44.00	2383	78.00	980	119.00	2232	156.00	72
45.00	3138	79.00	16225	120.00	79	157.00	824
46.00	299	80.00	4475	123.00	195	159.00	147
47.00	3377	81.00	16075	124.00	331	159.00	528
48.00	1931	82.00	3541	125.00	67	161.00	446
49.00	14975	83.00	580	126.00	79	165.00	64
50.00	70056	86.00	511	128.00	1335	169.00	58
51.00	20968	87.00	17440	129.00	859	171.00	206
52.00	1105	88.00	15151	130.00	1470	172.00	1819
53.00	315	90.00	55	131.00	369	173.00	1971
55.00	1011	91.00	1384	133.00	84	174.00	307008
56.00	5723	92.00	11624	134.00	73	175.00	21512
57.00	10792	93.00	16416	135.00	1173	176.00	295936
58.00	504	94.00	45840	136.00	183	177.00	19496
59.00	118	95.00	381696	137.00	897	178.00	406
60.00	3361	96.00	25528	138.00	62	186.00	83
61.00	16456	97.00	836	139.00	118	193.00	54
62.00	16528	98.00	64	140.00	219	209.00	81
63.00	13066	101.00	55	141.00	4215	238.00	52
64.00	1509	103.00	236	142.00	452	249.00	50
65.00	1010	104.00	2318	143.00	4551	252.00	67
66.00	217	105.00	88	144.00	222	253.00	112
67.00	1005	106.00	2212	145.00	567		

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SBFBJ19.D

Injection Date: 19-Oct-2021 10:15:30

Instrument ID: MS

Operator ID: HMT

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 500.0 mL

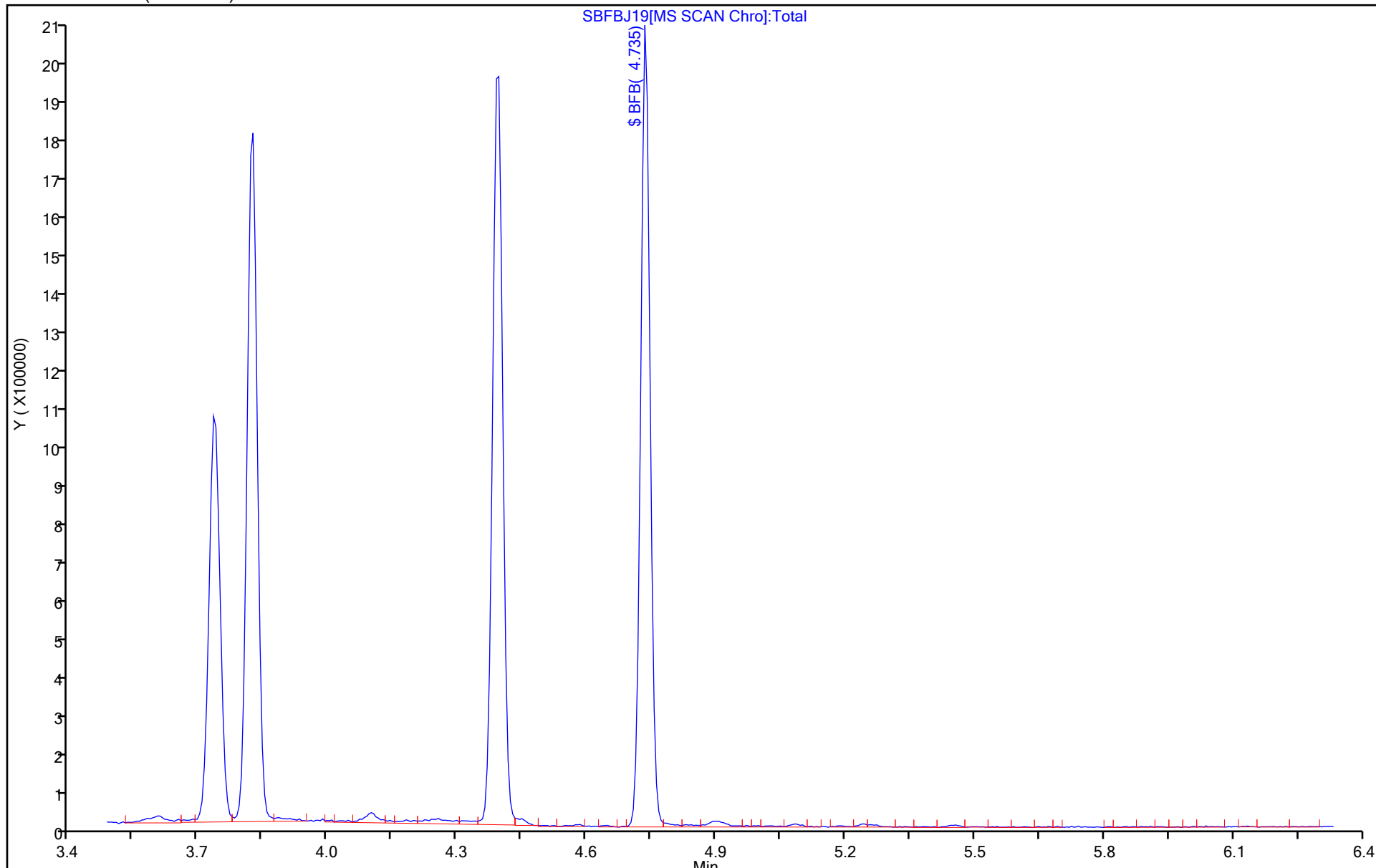
Dil. Factor: 1.0000

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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-54824/4
 Matrix: Air Lab File ID: S500BJ19.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500(mL) Date Analyzed: 10/19/2021 12:21
 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.: 54824 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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-54824/4
 Matrix: Air Lab File ID: S500BJ19.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 10/19/2021 12:21
 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.: 54824 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)	94		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-54824/4
 Matrix: Air Lab File ID: S500BJ19.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500(mL) Date Analyzed: 10/19/2021 12:21
 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.: 54824 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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-54824/4
 Matrix: Air Lab File ID: S500BJ19.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 10/19/2021 12:21
 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.: 54824 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)	94		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\S500BJ19.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 19-Oct-2021 12:21:30 ALS Bottle#: 16 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-004
 Misc. Info.: 500ML BLK
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 13:38:46 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 13:38:46

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	9.163	9.164	-0.001	91	178709	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	94	856375	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.022	16.023	-0.001	88	703087	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.674	0.000	89	541289	4.64	4.35	
33 Carbon disulfide	76	6.721	6.705	0.016	24	2309		0.0147	
72 Ethylene Dibromide	107	15.145	15.140	0.005	19	761		0.008760	
75 Chlorobenzene	112	16.065	16.071	-0.006	0	2306		0.0190	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\S500BJ19.D

Injection Date: 19-Oct-2021 12:21:30

Instrument ID: MS

Operator ID: HMT

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 500.000 mL

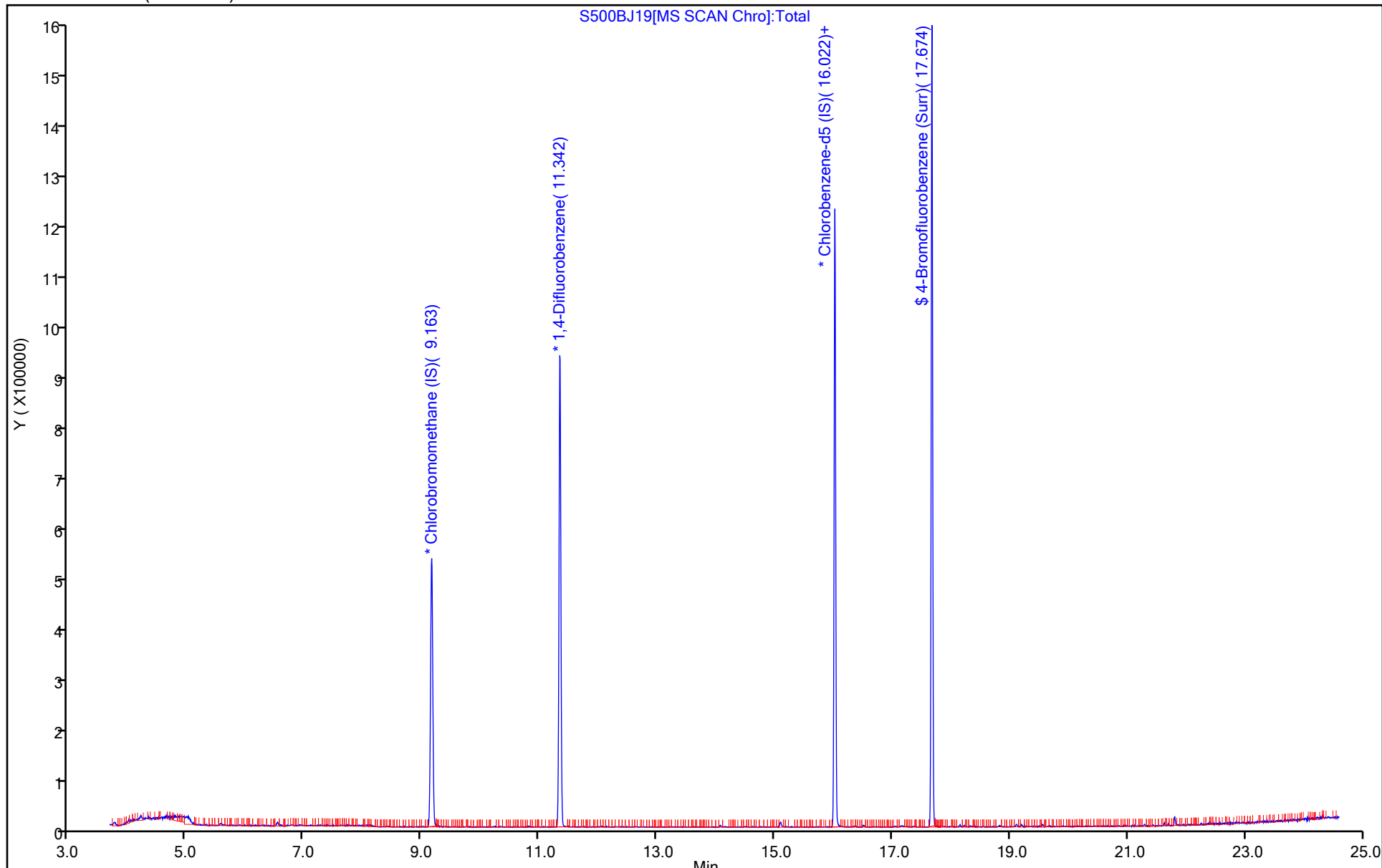
Dil. Factor: 1.0000

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\20211014-21072.b\S500BJ19.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 19-Oct-2021 12:21:30 ALS Bottle#: 16 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-004
 Misc. Info.: 500ML BLK
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 13:38:46 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 13:38:46

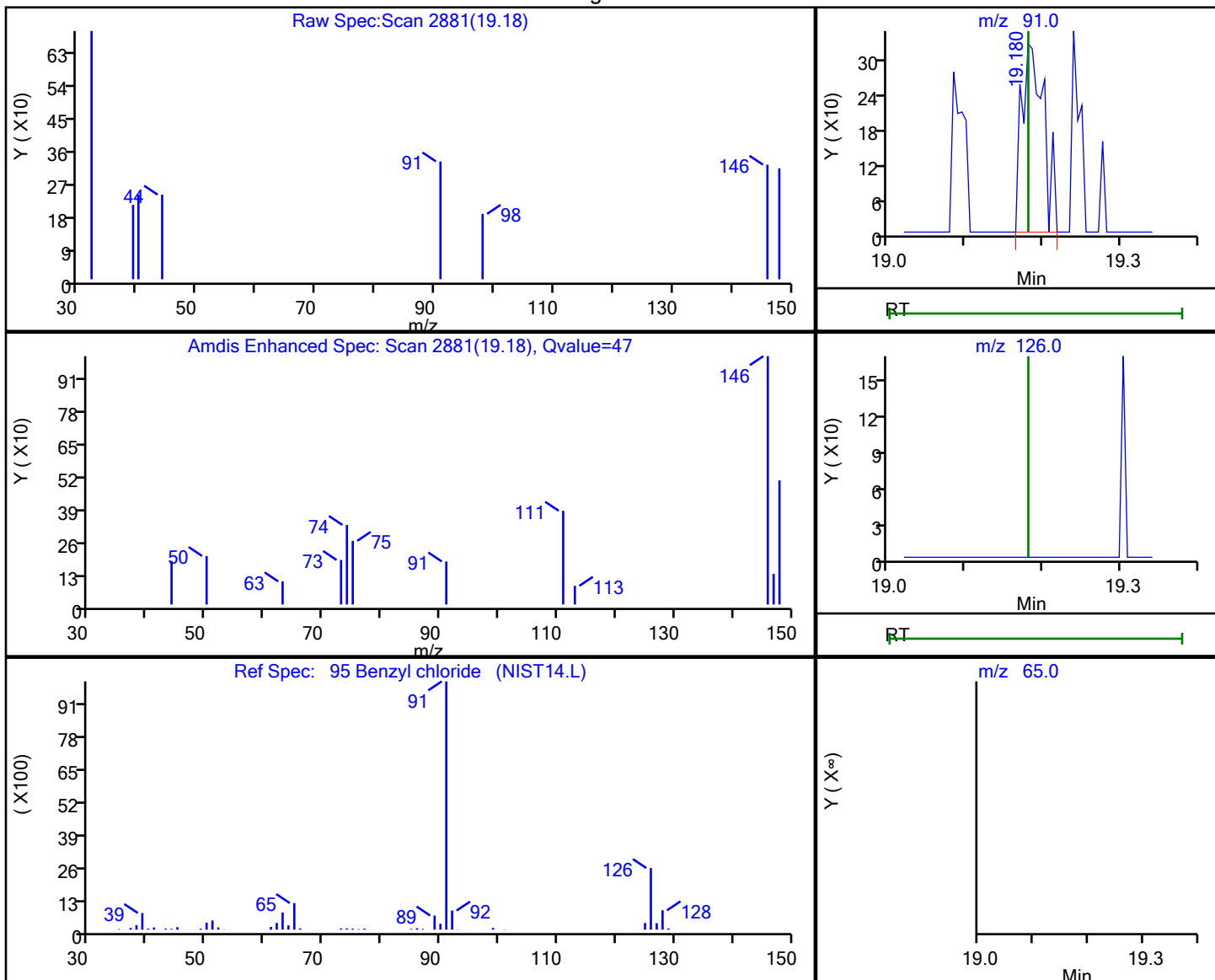
Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.35	93.74

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\S500BJ19.D
Injection Date: 19-Oct-2021 12:21:30 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

95 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
19.18	91.00	644	0.141012
19.18	126.00	0	
19.18	65.00	0	

Reviewer: khachitpongpanits, 20-Oct-2021 13:38:35

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.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-54949/4
 Matrix: Air Lab File ID: R500BJ22.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 10/22/2021 12:44
 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.: 54949 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
56-23-5	Carbon tetrachloride	153.81	ND		0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 140-54949/4
 Matrix: Air Lab File ID: R500BJ22.D
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 10/22/2021 12:44
 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.: 54949 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
56-23-5	Carbon tetrachloride	153.81	ND		0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\R500BJ22.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Oct-2021 12:44:30 ALS Bottle#: 16 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021112-004
 Misc. Info.: 500ML BLK
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-Oct-2021 11:30:20 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1611

First Level Reviewer: khachitpongpanits Date: 25-Oct-2021 11:30:20

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	8.576	8.609	-0.033	75	294808	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.830	10.852	-0.022	92	1350061	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.759	15.775	-0.016	83	1045063	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.436	17.441	-0.005	94	620188	4.64	4.25	
7 Propene	41	3.356	3.373	-0.017	20	517		0.0101	7
59 Dibromomethane	93	11.661	11.671	-0.010	23	834		0.007074	
72 Ethylene Dibromide	107	14.842	14.858	-0.016	32	1027		0.007043	
74 Chlorobenzene	112	15.813	15.829	-0.016	1	2669		0.0127	
95 Benzyl chloride	91	18.962	18.962	0.000	1	631		0.0319	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\R500BJ22.D

Injection Date: 22-Oct-2021 12:44:30

Instrument ID: MR

Operator ID: HMT

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 500.000 mL

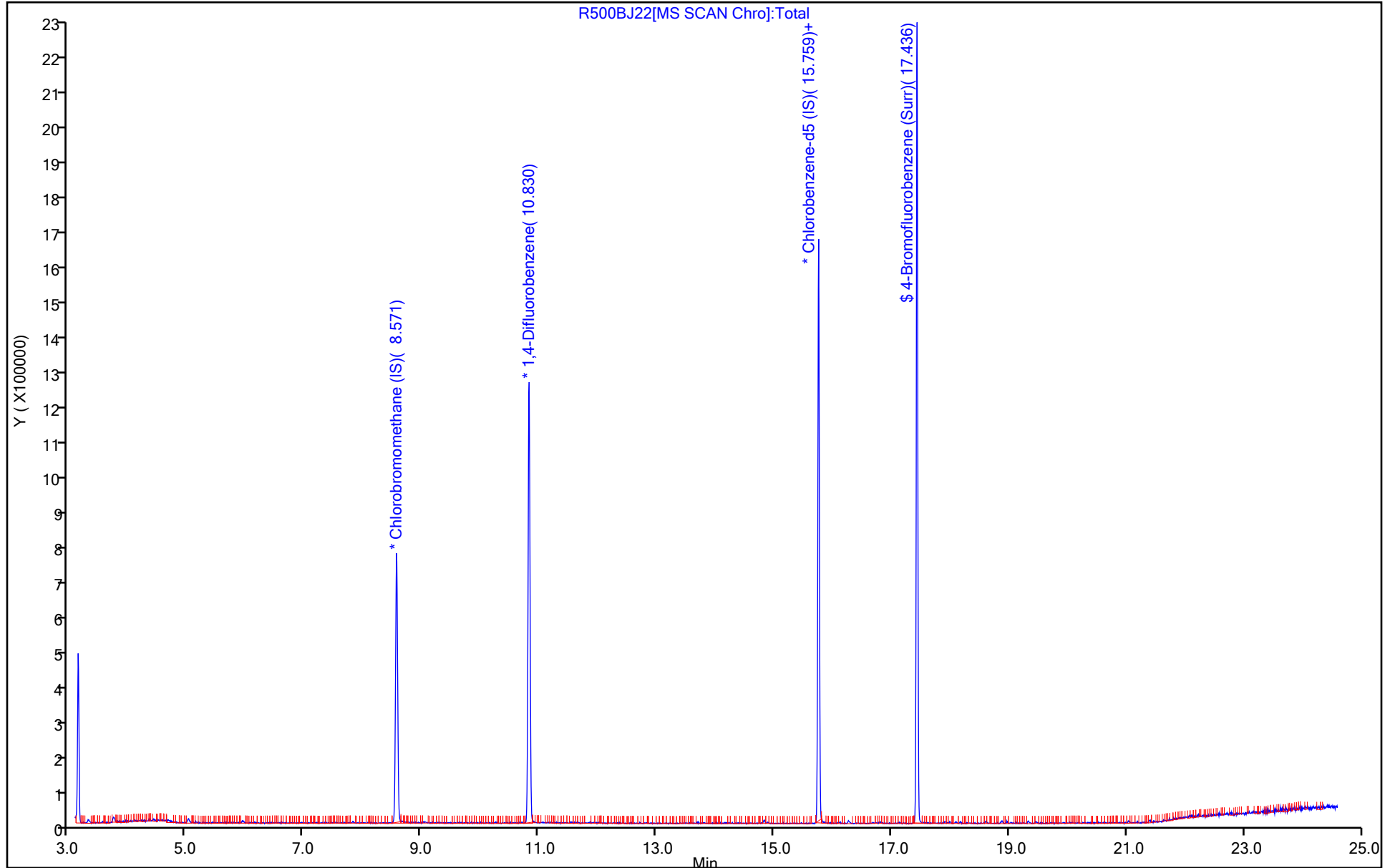
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\R500BJ22.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Oct-2021 12:44:30 ALS Bottle#: 16 Worklist Smp#: 4
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021112-004
 Misc. Info.: 500ML BLK
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-Oct-2021 11:30:20 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1611

First Level Reviewer: khachitpongpanits Date: 25-Oct-2021 11:30:20

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.25	91.51

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 140-54824/1002
 Matrix: Air Lab File ID: SJCCV19-LCS.d
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500(mL) Date Analyzed: 10/19/2021 10:44
 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.: 54824 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
71-55-6	1,1,1-Trichloroethane	133.41	2.06		0.080
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.39		0.080
79-00-5	1,1,2-Trichloroethane	133.41	2.24		0.080
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	2.24		0.080
75-34-3	1,1-Dichloroethane	98.96	1.83		0.080
75-35-4	1,1-Dichloroethene	96.94	2.00		0.040
120-82-1	1,2,4-Trichlorobenzene	181.45	2.22		0.080
95-63-6	1,2,4-Trimethylbenzene	120.20	2.54		0.080
106-93-4	1,2-Dibromoethane	187.87	2.34		0.080
95-50-1	1,2-Dichlorobenzene	147.00	2.50		0.080
107-06-2	1,2-Dichloroethane	98.96	1.95		0.080
78-87-5	1,2-Dichloropropane	112.99	1.88		0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.78		0.080
108-67-8	1,3,5-Trimethylbenzene	120.20	2.57		0.080
541-73-1	1,3-Dichlorobenzene	147.00	2.45		0.080
106-46-7	1,4-Dichlorobenzene	147.00	2.43		0.080
123-91-1	1,4-Dioxane	88.11	1.68		0.20
540-84-1	2,2,4-Trimethylpentane	114.23	1.67		0.20
78-93-3	2-Butanone	72.11	1.53		0.32
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	1.47		0.20
71-43-2	Benzene	78.11	2.04		0.080
100-44-7	Benzyl chloride	126.58	2.28		0.16
75-27-4	Bromodichloromethane	163.83	2.27		0.080
75-25-2	Bromoform	252.75	2.40		0.080
74-83-9	Bromomethane	94.94	3.09		0.080
56-23-5	Carbon tetrachloride	153.81	3.16		0.032
108-90-7	Chlorobenzene	112.56	2.44		0.080
75-00-3	Chloroethane	64.52	2.52		0.080
67-66-3	Chloroform	119.38	2.04		0.080
74-87-3	Chloromethane	50.49	2.47		0.20
156-59-2	cis-1,2-Dichloroethene	96.94	1.90		0.040
10061-01-5	cis-1,3-Dichloropropene	110.97	2.14		0.080
110-82-7	Cyclohexane	84.16	1.79		0.20

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 140-54824/1002
 Matrix: Air Lab File ID: SJCCV19-LCS.d
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 10/19/2021 10:44
 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.: 54824 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
124-48-1	Dibromochloromethane	208.28	2.88		0.080
75-71-8	Dichlorodifluoromethane	120.91	2.20		0.080
64-17-5	Ethanol	46.07	12.2		2.0
100-41-4	Ethylbenzene	106.17	2.07		0.080
87-68-3	Hexachlorobutadiene	260.76	1.78		0.080
110-54-3	Hexane	86.17	1.61		0.20
1634-04-4	Methyl tert-butyl ether	88.15	1.94		0.16
75-09-2	Methylene Chloride	84.93	1.93		0.40
179601-23-1	m-Xylene & p-Xylene	106.17	4.17		0.080
91-20-3	Naphthalene	128.17	2.39		0.20
95-47-6	o-Xylene	106.17	2.21		0.080
100-42-5	Styrene	104.15	2.36		0.080
75-65-0	t-Butyl alcohol	74.12	1.78		0.32
127-18-4	Tetrachloroethene	165.83	2.51		0.080
108-88-3	Toluene	92.14	2.02		0.12
156-60-5	trans-1,2-Dichloroethene	96.94	2.00		0.080
10061-02-6	trans-1,3-Dichloropropene	110.97	1.95		0.080
79-01-6	Trichloroethene	131.39	2.35		0.036
75-69-4	Trichlorofluoromethane	137.37	2.27		0.080
75-01-4	Vinyl chloride	62.50	2.55		0.040

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	107		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJCCV19-LCS.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 19-Oct-2021 10:44:30 ALS Bottle#: 3 Worklist Smp#: 1002
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-002
 Misc. Info.: P153 100ML
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 13:37:32 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits

Date: 20-Oct-2021 13:37:32

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	9.164	9.164	0.000	95	174457	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.348	11.348	0.000	94	854999	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.023	16.023	0.000	88	723078	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.674	17.674	0.000	89	635067	4.64	4.96	
6 Chlorodifluoromethane	51	3.784	3.784	0.000	96	184447	2.00	1.86	
7 Propene	41	3.795	3.795	0.000	98	76202	2.00	1.66	
8 Dichlorodifluoromethane	85	3.849	3.849	0.000	100	307410	2.00	2.20	
9 Chloromethane	52	4.042	4.042	0.000	52	31340	2.00	2.47	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.048	4.048	0.000	93	242679	2.00	2.78	
11 Acetaldehyde	44	4.204	4.204	0.000	100	180470	10.0	12.2	
12 Vinyl chloride	62	4.231	4.231	0.000	99	111082	2.00	2.55	
14 Butane	43	4.317	4.317	0.000	82	133197	2.00	2.21	
13 Butadiene	54	4.317	4.317	0.000	74	75719	2.00	2.32	
15 Bromomethane	94	4.661	4.661	0.000	98	122386	2.00	3.09	
16 Chloroethane	64	4.817	4.817	0.000	88	41665	2.00	2.52	
17 Ethanol	31	4.903	4.903	0.000	95	179432	10.0	12.2	
18 Vinyl bromide	106	5.134	5.134	0.000	97	107514	2.00	2.31	
19 2-Methylbutane	43	5.188	5.188	0.000	90	106899	2.00	1.56	
20 Trichlorofluoromethane	101	5.419	5.419	0.000	99	309171	2.00	2.27	
21 Acrolein	56	5.430	5.430	0.000	31	31561	2.00	1.73	
22 Acetonitrile	40	5.505	5.505	0.000	99	37648	2.00	1.51	
23 Acetone	58	5.549	5.549	0.000	97	135397	6.00	4.42	
24 Isopropyl alcohol	45	5.629	5.629	0.000	93	329051	6.00	4.25	
25 Pentane	72	5.656	5.656	0.000	95	10610	2.00	1.78	
26 Ethyl ether	31	5.823	5.823	0.000	94	82526	2.00	1.34	
27 1,1-Dichloroethene	96	6.173	6.173	0.000	97	98982	2.00	2.00	
29 2-Methyl-2-propanol	59	6.253	6.253	0.000	95	154138	2.00	1.78	
28 Acrylonitrile	53	6.275	6.275	0.000	97	70213	2.00	1.63	
30 112TCTFE	101	6.350	6.350	0.000	95	235474	2.00	2.24	
31 Methylene Chloride	84	6.538	6.538	0.000	95	101982	2.00	1.93	
32 3-Chloro-1-propene	39	6.555	6.555	0.000	98	73080	2.00	1.27	

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	6.705	6.705	0.000	99	302781	2.00	1.97	
34 trans-1,2-Dichloroethene	96	7.378	7.378	0.000	97	98202	2.00	2.00	
35 2-Methylpentane	43	7.388	7.388	0.000	93	193625	2.00	1.41	
36 Methyl tert-butyl ether	73	7.491	7.491	0.000	96	252883	2.00	1.94	
37 1,1-Dichloroethane	63	7.813	7.813	0.000	99	188314	2.00	1.83	
38 Vinyl acetate	43	7.916	7.916	0.000	100	195482	2.00	1.35	
39 2-Butanone (MEK)	72	8.367	8.367	0.000	97	42009	2.00	1.53	
40 Hexane	56	8.394	8.394	0.000	90	71480	2.00	1.61	
41 Isopropyl ether	45	8.556	8.556	0.000	96	291805	2.00	1.43	
42 cis-1,2-Dichloroethene	96	8.825	8.825	0.000	94	101877	2.00	1.90	
43 Ethyl acetate	43	8.997	8.997	0.000	99	192116	2.00	1.40	
44 Chloroform	83	9.174	9.174	0.000	96	248044	2.00	2.04	
45 Tert-butyl ethyl ether	59	9.244	9.244	0.000	96	290720	2.00	1.73	
46 Tetrahydrofuran	42	9.572	9.572	0.000	88	87542	2.00	1.30	
47 1,1,1-Trichloroethane	97	10.223	10.223	0.000	96	228561	2.00	2.06	
48 1,2-Dichloroethane	62	10.331	10.331	0.000	97	152010	2.00	1.95	
49 n-Butanol	31	10.740	10.740	0.000	90	18989	2.00	1.01	
51 Benzene	78	10.815	10.815	0.000	96	321281	2.00	2.04	
50 Cyclohexane	69	10.821	10.821	0.000	63	44019	2.00	1.79	
52 Carbon tetrachloride	117	10.837	10.837	0.000	96	244710	2.00	3.16	
53 2,3-Dimethylpentane	71	10.928	10.928	0.000	92	61155	2.00	1.87	
54 Thiophene	84	11.089	11.089	0.000	94	180411	2.00	2.15	
55 Isooctane	57	11.558	11.558	0.000	97	458635	2.00	1.67	
56 n-Heptane	71	11.929	11.929	0.000	89	90788	2.00	1.78	
57 1,2-Dichloropropane	63	12.020	12.020	0.000	91	122477	2.00	1.88	
58 Trichloroethene	130	12.052	12.052	0.000	94	134962	2.00	2.35	
59 Dibromomethane	93	12.144	12.144	0.000	91	148882	2.00	2.30	
60 Dichlorobromomethane	83	12.278	12.278	0.000	98	243207	2.00	2.27	
61 1,4-Dioxane	88	12.284	12.284	0.000	36	37056	2.00	1.68	
62 Methyl methacrylate	41	12.359	12.359	0.000	95	111436	2.00	1.47	
63 Methylcyclohexane	83	12.811	12.811	0.000	96	170638	2.00	1.82	
64 4-Methyl-2-pentanone (MIBK)	43	13.193	13.193	0.000	97	201449	2.00	1.47	
65 cis-1,3-Dichloropropene	75	13.263	13.263	0.000	93	176990	2.00	2.14	
66 trans-1,3-Dichloropropene	75	13.951	13.951	0.000	97	139496	2.00	1.95	
67 Toluene	91	14.075	14.075	0.000	93	371481	2.00	2.02	
68 1,1,2-Trichloroethane	83	14.145	14.145	0.000	95	131496	2.00	2.24	
69 2-Hexanone	58	14.511	14.511	0.000	93	92465	2.00	1.53	
70 n-Octane	85	14.742	14.742	0.000	91	96941	2.00	2.08	
71 Chlorodibromomethane	129	14.844	14.844	0.000	96	236807	2.00	2.88	
72 Ethylene Dibromide	107	15.140	15.140	0.000	98	208649	2.00	2.34	
73 Tetrachloroethene	129	15.205	15.205	0.000	91	142384	2.00	2.51	
75 Chlorobenzene	112	16.071	16.071	0.000	93	304572	2.00	2.44	
74 2,3-Dimethylheptane	43	16.071	16.071	0.000	96	316300	2.00	1.65	
76 Ethylbenzene	91	16.351	16.351	0.000	99	477798	2.00	2.07	
77 m-Xylene & p-Xylene	91	16.507	16.507	0.000	99	798131	4.00	4.17	
78 n-Nonane	57	16.916	16.916	0.000	90	221644	2.00	1.73	
79 Bromoform	173	16.969	16.969	0.000	94	231361	2.00	2.40	
80 Styrene	104	16.980	16.980	0.000	99	273590	2.00	2.36	
81 o-Xylene	91	17.039	17.039	0.000	98	426265	2.00	2.21	
82 1,1,2,2-Tetrachloroethane	83	17.367	17.367	0.000	98	334072	2.00	2.39	
83 1,2,3-Trichloropropane	110	17.534	17.534	0.000	98	71904	2.00	2.68	
84 Isopropylbenzene	105	17.636	17.636	0.000	95	538739	2.00	2.29	

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	18.174	18.174	0.000	98	140906	2.00	2.41	
86 2-Chlorotoluene	126	18.223	18.223	0.000	97	143285	2.00	2.63	
87 4-Ethyltoluene	105	18.325	18.325	0.000	98	571055	2.00	2.46	
88 1,3,5-Trimethylbenzene	120	18.395	18.395	0.000	92	225131	2.00	2.57	
89 Alpha Methyl Styrene	118	18.626	18.626	0.000	87	213152	2.00	2.43	
90 n-Decane	57	18.675	18.675	0.000	90	335187	2.00	2.05	
91 tert-Butylbenzene	119	18.820	18.820	0.000	90	508746	2.00	2.56	
92 1,2,4-Trimethylbenzene	105	18.831	18.831	0.000	96	525237	2.00	2.54	
93 sec-Butylbenzene	105	19.089	19.089	0.000	98	739829	2.00	2.50	
94 1,3-Dichlorobenzene	146	19.110	19.110	0.000	99	306557	2.00	2.45	
95 Benzyl chloride	91	19.180	19.180	0.000	97	318857	2.00	2.28	
96 1,4-Dichlorobenzene	146	19.197	19.197	0.000	93	293889	2.00	2.43	
97 4-Isopropyltoluene	119	19.250	19.250	0.000	96	597430	2.00	2.66	
98 1,2,3-Trimethylbenzene	105	19.304	19.304	0.000	99	540022	2.00	2.66	
99 Butylcyclohexane	83	19.353	19.353	0.000	97	460189	2.00	2.56	
100 2,3-Dihydroindene	117	19.552	19.552	0.000	92	495705	2.00	2.78	
101 1,2-Dichlorobenzene	146	19.557	19.557	0.000	98	307982	2.00	2.50	
102 n-Butylbenzene	91	19.681	19.681	0.000	95	676381	2.00	2.62	
103 Indene	116	19.681	19.681	0.000	94	401679	2.00	2.87	
104 Undecane	57	19.977	19.977	0.000	96	369131	2.00	2.03	
105 1,2-Dibromo-3-Chloropropane	157	20.154	20.154	0.000	96	131878	2.00	2.61	
106 1,2,4,5-Tetramethylbenzene	119	20.434	20.434	0.000	96	559832	2.00	2.52	
107 Dodecane	57	21.058	21.058	0.000	98	344851	2.00	1.84	
108 1,2,4-Trichlorobenzene	180	21.284	21.284	0.000	94	163980	2.00	2.22	
109 Naphthalene	128	21.434	21.434	0.000	99	434995	2.00	2.39	
110 Hexachlorobutadiene	225	21.628	21.628	0.000	95	307352	2.00	1.78	
111 1,2,3-Trichlorobenzene	180	21.693	21.693	0.000	94	175941	2.00	2.00	
112 2-Methylnaphthalene	142	22.252	22.252	0.000	97	89967	2.00	2.43	
113 1-Methylnaphthalene	142	22.376	22.376	0.000	95	124688	2.00	2.90	
A 115 C8 Range	1	14.742	(14.694-14.791)		0	953091	2.00	1.71	
S 116 Xylenes, Total	100				0		6.00	6.38	
S 117 1,2-Dichloroethene, Total	1				0		4.00	3.90	

QC Flag Legend

Processing Flags

Reagents:

40CV101P_00153

Amount Added: 100.00

Units: ml

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\SJCCV19-LCS.d

Injection Date: 19-Oct-2021 10:44:30

Instrument ID: MS

Operator ID: HMT

Lims ID: LCS

Worklist Smp#: 1002

Client ID:

Purge Vol: 500.000 mL

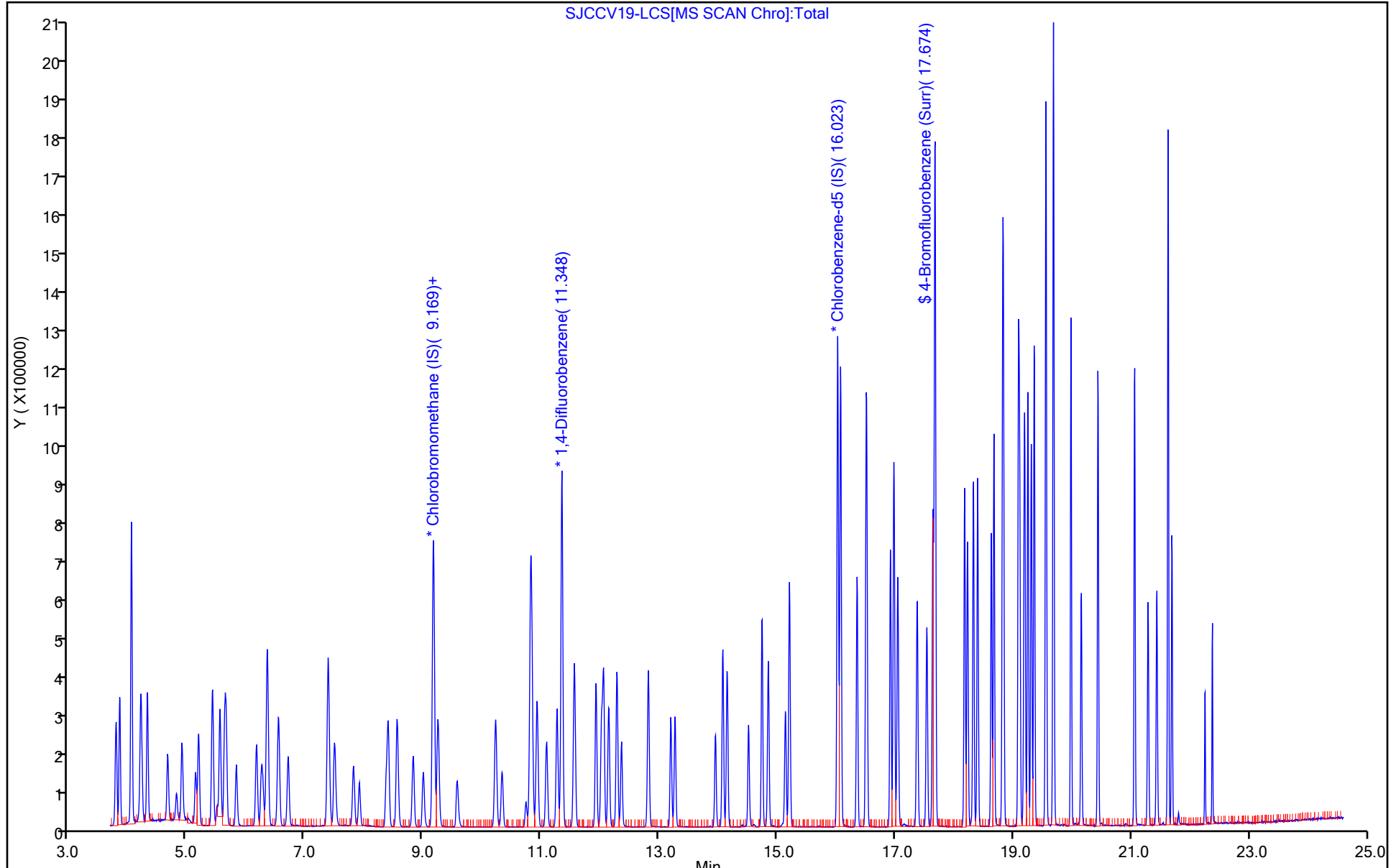
Dil. Factor: 1.0000

ALS Bottle#: 3

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\20211014-21072.b\SJCCV19-LCS.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 19-Oct-2021 10:44:30 ALS Bottle#: 3 Worklist Smp#: 1002
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021072-002
 Misc. Info.: P153 100ML
 Operator ID: HMT Instrument ID: MS
 Method: \\chromfs\Knoxville\ChromData\MS\20211014-21072.b\MS_TO15A.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 20-Oct-2021 13:37:32 Calib Date: 25-Sep-2021 21:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210925-20838.b\SI25IC07.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: khachitpongpanits Date: 20-Oct-2021 13:37:32

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.96	106.94

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 140-54949/1002
 Matrix: Air Lab File ID: RCCVJ22A-LCS.d
 Analysis Method: TO 15 LL Date Collected: _____
 Sample wt/vol: 500 (mL) Date Analyzed: 10/22/2021 11:15
 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.: 54949 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL
56-23-5	Carbon tetrachloride	153.81	2.05		0.032

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

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RCCVJ22A-LCS.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Oct-2021 11:15:30 ALS Bottle#: 9 Worklist Smp#: 1002
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021112-002
 Misc. Info.: S157 100ML
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-Oct-2021 11:20:50 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1611

First Level Reviewer: khachitpongpanits

Date: 25-Oct-2021 11:20:50

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	8.609	8.609	0.000	77	293729	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.852	10.852	0.000	92	1341205	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.775	15.775	0.000	83	1101782	4.80	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.441	17.441	0.000	94	681000	4.64	4.42	
6 Chlorodifluoromethane	51	3.362	3.362	0.000	99	145591	2.00	1.71	
7 Propene	41	3.373	3.373	0.000	98	88334	2.00	1.73	
8 Dichlorodifluoromethane	85	3.427	3.427	0.000	99	306823	2.00	1.70	
9 Chloromethane	52	3.610	3.610	0.000	97	23419	2.00	1.41	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.621	3.621	0.000	89	263504	2.00	1.63	
12 Vinyl chloride	62	3.777	3.777	0.000	54	110675	2.00	1.50	
11 Acetaldehyde	44	3.782	3.782	0.000	86	198478	10.0	6.75	
14 Butadiene	54	3.869	3.869	0.000	61	68516	2.00	1.55	
13 Butane	43	3.869	3.869	0.000	88	177786	2.00	1.70	
15 Bromomethane	94	4.187	4.187	0.000	98	142462	2.00	1.48	
16 Chloroethane	64	4.332	4.332	0.000	87	57658	2.00	1.52	
17 Ethanol	31	4.462	4.462	0.000	94	304756	10.0	6.60	
18 Vinyl bromide	106	4.634	4.634	0.000	98	168320	2.00	1.76	
19 2-Methylbutane	43	4.683	4.683	0.000	97	168282	2.00	1.86	
20 Trichlorofluoromethane	101	4.904	4.904	0.000	98	320706	2.00	1.67	
21 Acrolein	56	4.926	4.926	0.000	90	35907	2.00	1.89	
22 Acetonitrile	40	5.006	5.006	0.000	100	44790	2.00	1.70	
23 Acetone	58	5.050	5.050	0.000	99	39872	2.00	1.47	
25 Pentane	72	5.131	5.131	0.000	96	14395	2.00	1.64	
24 Isopropyl alcohol	45	5.157	5.157	0.000	93	158830	2.00	1.91	
26 Ethyl ether	31	5.303	5.303	0.000	82	155540	2.00	1.82	
27 1,1-Dichloroethene	96	5.627	5.627	0.000	95	113324	2.00	1.53	
29 Acrylonitrile	53	5.761	5.761	0.000	75	58560	2.00	1.58	
28 2-Methyl-2-propanol	59	5.767	5.767	0.000	93	140750	2.00	1.52	
30 112TCTFE	101	5.815	5.815	0.000	93	265854	2.00	1.66	
31 Methylene Chloride	84	5.988	5.988	0.000	88	104846	2.00	1.51	
32 3-Chloro-1-propene	39	6.004	6.004	0.000	97	113228	2.00	1.87	

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	6.144	6.144	0.000	99	341875	2.00	1.60	
34 trans-1,2-Dichloroethene	96	6.818	6.818	0.000	90	119387	2.00	1.68	
35 2-Methylpentane	43	6.834	6.834	0.000	94	218893	2.00	1.49	
36 Methyl tert-butyl ether	73	6.942	6.942	0.000	95	273180	2.00	1.65	
37 1,1-Dichloroethane	63	7.260	7.260	0.000	98	180109	2.00	1.61	
38 Vinyl acetate	43	7.374	7.374	0.000	99	275963	2.00	1.67	
39 2-Butanone (MEK)	72	7.821	7.821	0.000	88	51272	2.00	1.46	
40 Hexane	56	7.843	7.843	0.000	76	67504	2.00	1.58	
41 Isopropyl ether	45	8.005	8.005	0.000	92	349913	2.00	1.65	
42 cis-1,2-Dichloroethene	96	8.269	8.269	0.000	88	132633	2.00	1.69	
43 Ethyl acetate	43	8.452	8.452	0.000	97	251302	2.00	1.64	
44 Chloroform	83	8.625	8.625	0.000	94	266471	2.00	1.68	
45 Tert-butyl ethyl ether	59	8.700	8.700	0.000	95	248588	2.00	1.59	
46 Tetrahydrofuran	42	9.013	9.013	0.000	92	134015	2.00	1.74	
47 1,1,1-Trichloroethane	97	9.665	9.665	0.000	96	270164	2.00	1.73	
48 1,2-Dichloroethane	62	9.779	9.779	0.000	96	142909	2.00	1.71	
49 n-Butanol	31	10.242	10.242	0.000	85	73235	2.00	1.94	
50 Cyclohexane	69	10.269	10.269	0.000	83	49593	2.00	1.52	
51 Benzene	78	10.286	10.286	0.000	94	371979	2.00	1.68	
52 Carbon tetrachloride	117	10.302	10.302	0.000	96	329745	2.00	2.05	
53 2,3-Dimethylpentane	71	10.399	10.399	0.000	90	75711	2.00	1.65	
54 Thiophene	84	10.566	10.566	0.000	90	212170	2.00	1.67	
55 Isooctane	57	11.068	11.068	0.000	96	485541	2.00	1.68	
56 n-Heptane	71	11.450	11.450	0.000	96	119954	2.00	1.64	
57 1,2-Dichloropropane	63	11.542	11.542	0.000	93	140062	2.00	1.66	
58 Trichloroethene	130	11.574	11.574	0.000	94	204822	2.00	1.78	
59 Dibromomethane	93	11.671	11.671	0.000	95	210848	2.00	1.80	
60 Dichlorobromomethane	83	11.817	11.817	0.000	96	278396	2.00	1.70	
61 1,4-Dioxane	88	11.833	11.833	0.000	37	56626	2.00	1.63	
62 Methyl methacrylate	41	11.919	11.919	0.000	94	151917	2.00	1.59	
63 Methylcyclohexane	83	12.378	12.378	0.000	93	257532	2.00	2.01	
64 4-Methyl-2-pentanone (MIBK)	43	12.820	12.820	0.000	98	255521	2.00	1.51	
65 cis-1,3-Dichloropropene	75	12.885	12.885	0.000	94	201002	2.00	1.64	
66 trans-1,3-Dichloropropene	75	13.623	13.623	0.000	97	172781	2.00	1.61	
67 Toluene	91	13.742	13.742	0.000	95	413471	2.00	1.68	
68 1,1,2-Trichloroethane	83	13.828	13.828	0.000	92	137377	2.00	1.68	
69 2-Hexanone	58	14.222	14.222	0.000	88	88633	2.00	1.51	
70 n-Octane	85	14.454	14.454	0.000	93	113905	2.00	1.71	
71 Chlorodibromomethane	129	14.556	14.556	0.000	95	308634	2.00	1.73	
72 Ethylene Dibromide	107	14.858	14.858	0.000	97	260820	2.00	1.70	
73 Tetrachloroethene	129	14.928	14.928	0.000	96	192471	2.00	1.65	
74 Chlorobenzene	112	15.829	15.829	0.000	96	385523	2.00	1.74	
75 2,3-Dimethylheptane	43	15.834	15.834	0.000	95	368556	2.00	1.59	
76 Ethylbenzene	91	16.120	16.120	0.000	97	530773	2.00	1.59	
77 m-Xylene & p-Xylene	91	16.282	16.282	0.000	96	856542	4.00	3.31	
78 n-Nonane	57	16.703	16.703	0.000	91	204177	2.00	1.60	
79 Bromoform	173	16.746	16.746	0.000	95	276438	2.00	1.41	
80 Styrene	104	16.756	16.756	0.000	95	355955	2.00	1.72	
81 o-Xylene	91	16.816	16.816	0.000	94	419421	2.00	1.59	
82 1,1,2,2-Tetrachloroethane	83	17.150	17.150	0.000	98	356191	2.00	1.66	
83 1,2,3-Trichloropropane	110	17.306	17.306	0.000	95	89440	2.00	1.68	
84 Isopropylbenzene	105	17.409	17.409	0.000	95	693091	2.00	1.70	

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	17.948	17.948	0.000	99	212925	2.00	1.81	
86 2-Chlorotoluene	126	17.997	17.997	0.000	95	197748	2.00	1.70	
88 4-Ethyltoluene	105	18.099	18.099	0.000	98	633585	2.00	1.59	
87 1,3,5-Trimethylbenzene	120	18.175	18.175	0.000	94	331082	2.00	1.92	
89 Alpha Methyl Styrene	118	18.401	18.401	0.000	90	275953	2.00	1.80	
90 n-Decane	57	18.455	18.455	0.000	86	274969	2.00	1.71	
91 tert-Butylbenzene	119	18.595	18.595	0.000	95	625464	2.00	1.69	
92 1,2,4-Trimethylbenzene	105	18.606	18.606	0.000	94	594309	2.00	1.68	
93 sec-Butylbenzene	105	18.865	18.865	0.000	99	891440	2.00	1.67	
94 1,3-Dichlorobenzene	146	18.886	18.886	0.000	95	424340	2.00	1.71	
95 Benzyl chloride	91	18.962	18.962	0.000	99	348010	2.00	1.73	
96 1,4-Dichlorobenzene	146	18.973	18.973	0.000	97	407001	2.00	1.74	
97 4-Isopropyltoluene	119	19.027	19.027	0.000	96	682898	2.00	1.60	
98 1,2,3-Trimethylbenzene	105	19.081	19.081	0.000	97	419555	2.00	1.24	
99 Butylcyclohexane	83	19.129	19.129	0.000	95	428762	2.00	1.57	
100 2,3-Dihydroindene	117	19.329	19.329	0.000	92	571265	2.00	1.62	
101 1,2-Dichlorobenzene	146	19.329	19.329	0.000	84	423350	2.00	1.76	
102 Indene	116	19.458	19.458	0.000	77	419784	2.00	1.64	
103 n-Butylbenzene	91	19.458	19.458	0.000	96	671509	2.00	1.66	
104 Undecane	57	19.760	19.760	0.000	88	308370	2.00	1.60	
105 1,2-Dibromo-3-Chloropropane	157	19.933	19.933	0.000	95	124159	2.00	1.27	
106 1,2,4,5-Tetramethylbenzene	119	20.213	20.213	0.000	99	597699	2.00	1.51	
107 Dodecane	57	20.817	20.817	0.000	87	322745	2.00	1.60	
108 1,2,4-Trichlorobenzene	180	21.038	21.038	0.000	94	261883	2.00	1.99	
109 Naphthalene	128	21.184	21.184	0.000	99	657354	2.00	1.88	
110 Hexachlorobutadiene	225	21.394	21.394	0.000	95	492451	2.00	1.68	
111 1,2,3-Trichlorobenzene	180	21.469	21.469	0.000	96	379855	2.00	1.89	
112 2-Methylnaphthalene	142	22.090	22.090	0.000	98	355566	2.00	1.96	
113 1-Methylnaphthalene	142	22.219	22.219	0.000	97	561822	2.00	2.05	E
A 116 C8 Range	1	14.454	(14.405-14.524)		0	1155086	2.00	1.72	
S 117 Xylenes, Total	100				0		6.00	4.90	
S 118 1,2-Dichloroethene, Total	1				0		4.00	3.36	
T 143 2-Methylthiophene TIC	97	13.898	13.898	0.000	97	362732	2.00	1.58	
T 144 3-Methylthiophene TIC	97	14.109	14.109	0.000	98	351618	2.00	1.53	
T 146 2-Ethylthiophene TIC	97	16.223	16.223	0.000	97	431546	2.00	1.88	
T 153 1,2-Dimethyl-4-Ethylbenzene TIC	99	19.830	19.830	0.000	99	494897	2.00	2.16	
T 156 1,2,3,5-Tetramethylbenzene TIC	99	20.267	20.267	0.000	96	355784	2.00	1.55	a
T 155 1,2,3,4-Tetramethylbenzene TIC	99	20.671	20.671	0.000	98	481513	2.00	2.10	a
T 157 Benzo(b)thiophene TIC	134	21.291	21.291	0.000	99	271101	2.00	1.18	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

40CV101S_00157

Amount Added: 100.00

Units: mL

40MXISSUR_00001

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RCCVJ22A-LCS.d

Injection Date: 22-Oct-2021 11:15:30

Instrument ID: MR

Operator ID: HMT

Lims ID: LCS

Worklist Smp#: 1002

Client ID:

Purge Vol: 500.000 mL

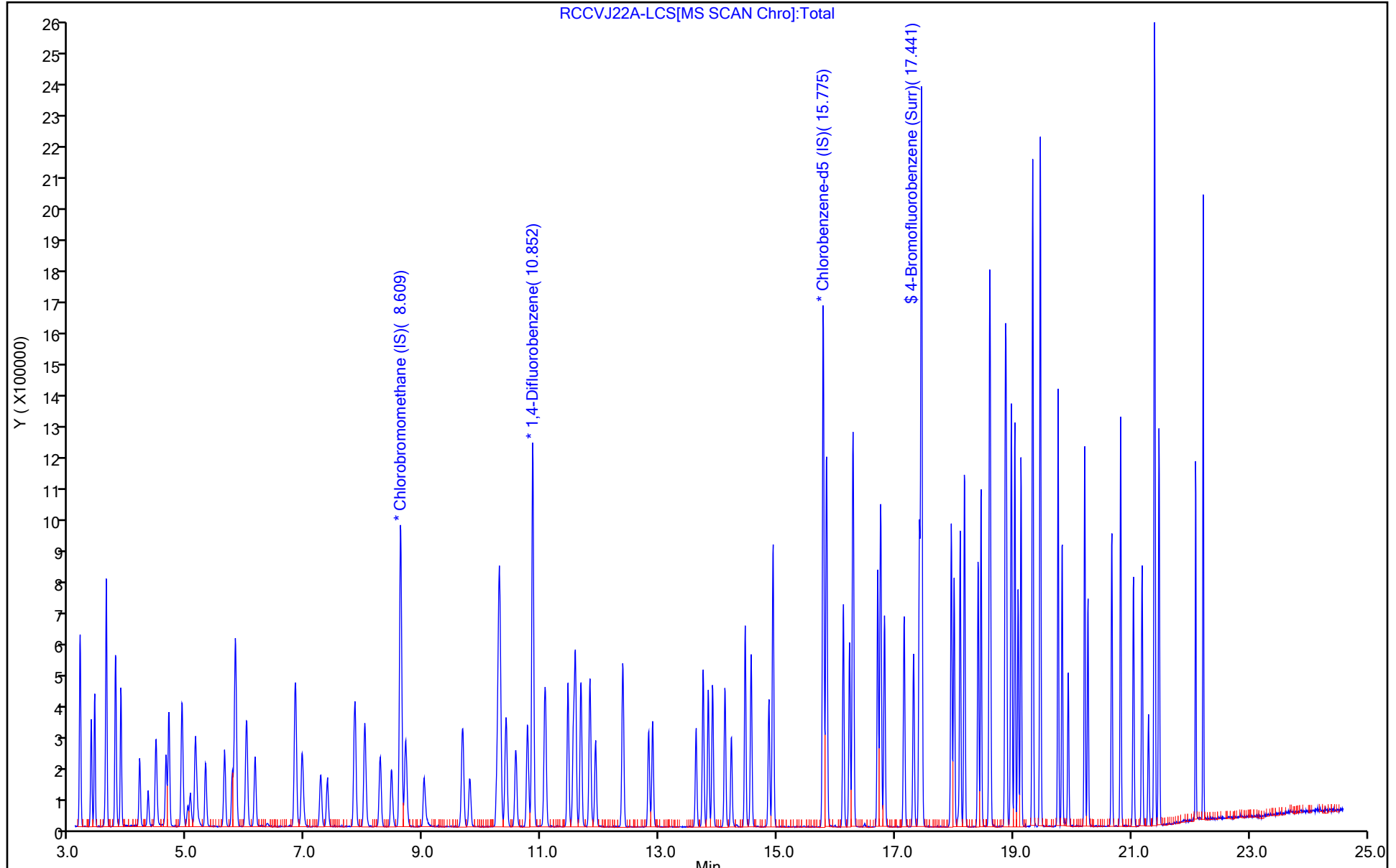
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: MR_TO15

Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)



RCCVJ22A-LCS[MS SCAN Chro]:Total

Eurofins Environment Testing America
Recovery Report

Data File: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\RCCVJ22A-LCS.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Oct-2021 11:15:30 ALS Bottle#: 9 Worklist Smp#: 1002
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0021112-002
 Misc. Info.: S157 100ML
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20211019-21112.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 25-Oct-2021 11:20:50 Calib Date: 08-Oct-2021 07:54:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20211007-20984.b\RJ07IC05R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1611

First Level Reviewer: khachitpongpanits Date: 25-Oct-2021 11:20:50

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 4-Bromofluorobenzene (Surr)	4.64	4.42	95.31

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Instrument ID: MS Start Date: 09/25/2021 10:26

Analysis Batch Number: 54194 End Date: 09/26/2021 01:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-54194/1		09/25/2021 10:26	1	SBFBI24IC.D	RTX-5 0.32 (mm)
IC 140-54194/3		09/25/2021 11:54	1	SI25C10.D	RTX-5 0.32 (mm)
IC 140-54194/5		09/25/2021 13:26	1	SI25C09.D	RTX-5 0.32 (mm)
IC 140-54194/7		09/25/2021 15:00	1	SI25IC08.D	RTX-5 0.32 (mm)
IC 140-54194/9		09/25/2021 16:33	1	SI25IC01.D	RTX-5 0.32 (mm)
IC 140-54194/10		09/25/2021 17:19	1	SI25IC02.D	RTX-5 0.32 (mm)
140-23657-A-1 MDLV		09/25/2021 17:19	1		RTX-5 0.32 (mm)
ZZZZZ		09/25/2021 17:19	1		RTX-5 0.32 (mm)
IC 140-54194/11		09/25/2021 18:07	1	SI25IC03.D	RTX-5 0.32 (mm)
140-23657-A-2 MDLV		09/25/2021 18:07	1		RTX-5 0.32 (mm)
ZZZZZ		09/25/2021 18:07	1		RTX-5 0.32 (mm)
IC 140-54194/12		09/25/2021 18:53	1	SI25IC04.D	RTX-5 0.32 (mm)
140-23657-A-3 MDLV		09/25/2021 18:53	1		RTX-5 0.32 (mm)
ZZZZZ		09/25/2021 18:53	1		RTX-5 0.32 (mm)
IC 140-54194/13		09/25/2021 19:38	1	SI25IC05.D	RTX-5 0.32 (mm)
140-23657-A-4 MDLV		09/25/2021 19:38	1		RTX-5 0.32 (mm)
ZZZZZ		09/25/2021 19:38	1		RTX-5 0.32 (mm)
IC 140-54194/14		09/25/2021 20:25	1	SI25IC06.D	RTX-5 0.32 (mm)
ICIS 140-54194/15		09/25/2021 21:13	1	SI25IC07.D	RTX-5 0.32 (mm)
ICV 140-54194/18		09/25/2021 23:28	1	SI25LCS.D	RTX-5 0.32 (mm)
ZZZZZ		09/26/2021 01:04	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:	9/25/21	Instrument:	MS	Chrom WL #:	20838	TALS Batch & Event #	TO14/15: 54194 / 3259	DOD5: 54197 / 3262				
							DOD: 5495 / 3260	OHIO: 54196 / 3261				
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]						✓						
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	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]						✓	✓	✓				
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
21. Is low point RSE ≤ 50%? acetone (etc) [F6]						✓	✓	✓				
22. Is the second source analysis within limits? [F8 - icv]						✓	✓	✓				
Analyst/Date:						2nd Level Reviewer/Date:						
AS 9/27/21												
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:						
AS 9/27/21												
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:	9/25/21	Instrument:	MS	Chrom WL #:	20838	TALS Batch & Event #	TO14/15: 54194/3259		DOD5: 54197/3262				
							DOD: 54195/3260		OHIO: 54196/3261				
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]											Y		
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	Y	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 9/27/21						
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 9/27/21						
Comments:							Comments:						

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Instrument ID: MR Start Date: 10/07/2021 13:49

Analysis Batch Number: 54608 End Date: 10/08/2021 07:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-54608/1		10/07/2021 13:49	1	RBFBJ07B.D	RTX-5 0.32 (mm)
IC 140-54608/4		10/07/2021 16:44	1	RJ07IC10.D	RTX-5 0.32 (mm)
IC 140-54608/6		10/07/2021 18:17	1	RJ07IC09.D	RTX-5 0.32 (mm)
IC 140-54608/8		10/07/2021 19:46	1	RJ07IC08.D	RTX-5 0.32 (mm)
IC 140-54608/10		10/07/2021 21:16	1	RJ07IC01.D	RTX-5 0.32 (mm)
IC 140-54608/11		10/07/2021 21:59	1	RJ07IC02.D	RTX-5 0.32 (mm)
IC 140-54608/12		10/07/2021 22:44	1	RJ07IC03.D	RTX-5 0.32 (mm)
IC 140-54608/13		10/07/2021 23:29	1	RJ07IC04.D	RTX-5 0.32 (mm)
IC 140-54608/15		10/08/2021 00:57	1	RJ07IC06.D	RTX-5 0.32 (mm)
ICV 140-54608/19		10/08/2021 03:54	1	RJ07LCS.D	RTX-5 0.32 (mm)
ICIS 140-54608/22		10/08/2021 07:11	1	RJ07IC07R.D	RTX-5 0.32 (mm)
IC 140-54608/23		10/08/2021 07:54	1	RJ07IC05R.D	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:	10/7/21	Instrument:	MR	Chrom WL #:	20984	TALS Batch & Event #	TO14/15: 3280 / 54608	DODS: 3783 / 54611					
							DOD: 3281 / 54609	OHIO: 3282 / 54610					
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]							✓						
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 ICC						
• 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% [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. [Cntrl-C. details]							✓	✓	na				na
21. Is low point RSE ≤ 50 %? [F6]							✓	✓	✓				
22. Is the second source analysis within limits? [F8 - icv]							✓	✓	✓				
Analyst/Date: <i>ONU 2-methylnaph. 10/20/21</i>							2nd Level Reviewer/Date:						
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?													
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: <i>ONU 10/20/21</i>							2nd Level Reviewer/date:						
Comments: <i>ONU- 2-methyl naph. release</i>							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:	10/7/21	Instrument:	MR	Chrom WL #:	20984	TALS Batch & Event #	TO14/15: 54608/3280		DOD5: 54611/3283				
							DOD: 54609/3281		OHIO: 54610/3282				
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]											Y		
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	Y	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 10/8/21						
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 10/8/21						
Comments:							Comments:						

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Instrument ID: MS Start Date: 10/19/2021 10:15

Analysis Batch Number: 54824 End Date: 10/20/2021 04:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-54824/1		10/19/2021 10:15	1	SBFBJ19.D	RTX-5 0.32 (mm)
CCVIS 140-54824/2		10/19/2021 10:44	1	SJCCV19.D	RTX-5 0.32 (mm)
LCS 140-54824/1002		10/19/2021 10:44	1	SJCCV19-LCS.d	RTX-5 0.32 (mm)
MB 140-54824/4		10/19/2021 12:21	1	S500BJ19.D	RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 15:14	1.23		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 15:58	1.22		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 16:44	1.24		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 17:30	1.22		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 18:14	170.82		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 18:59	1.32		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 19:44	4.47		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 20:29	1.2		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 21:13	1.28		RTX-5 0.32 (mm)
ZZZZZ		10/19/2021 21:58	1.22		RTX-5 0.32 (mm)
140-25006-1	EQUIPMENT BLANK	10/19/2021 22:47	1	SJ19P111.D	RTX-5 0.32 (mm)
140-25006-2	GAC INFLUENT	10/19/2021 23:34	11.31	SJ19P112.D	RTX-5 0.32 (mm)
140-25006-3	GAC EFFLUENT	10/20/2021 00:23	1	SJ19P113D.D	RTX-5 0.32 (mm)
ZZZZZ		10/20/2021 01:13	1		RTX-5 0.32 (mm)
ZZZZZ		10/20/2021 02:01	1		RTX-5 0.32 (mm)
ZZZZZ		10/20/2021 02:51	1		RTX-5 0.32 (mm)
ZZZZZ		10/20/2021 03:40	1		RTX-5 0.32 (mm)
ZZZZZ		10/20/2021 04:29	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	10/19/2021	Routine	DOD	OHIO VAP
CCAL Chrom WL #	21072	CCAL Batch #	54824		
ICAL Chrom WL #	20838	ICAL Batch # / Event #	54194 / 3259	/	/
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]			/	<input type="checkbox"/> [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: several analytes	
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?			NA		
6. Has the RT been updated to the method?			/		
Analyst/date <i>Sydney K 10/20/2021</i>			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:			/	<input type="checkbox"/> Method Blank – Report, ND (NCM# _____) <input type="checkbox"/> 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]			/	<input type="checkbox"/> (1) Surrogate – Matrix (NCM# _____) <input type="checkbox"/> (2) Surrogate – High, ND (NCM# _____) <input type="checkbox"/> (3) ISTD – RA/RA Concur (NCM# _____) <input type="checkbox"/> (4) Surrogate –RX concur, Report both (NCM# _____) <input type="checkbox"/> (5) ISTD – Matrix, DL required (NCM# _____)	
Sample	Reason	Sample	Reason		
_____	_____	_____	_____		
14. Samples outside calibration range scheduled for dilution?			NA	<input type="checkbox"/> 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:			/	<input type="checkbox"/> (1) Reporting Limit – Dilution, Matrix (NCM# _____) <input type="checkbox"/> (2) Reporting Limit – Dilution, Non-Target (NCM# _____) <input type="checkbox"/> (3) Issues with initial collection volume; see DRC.	
Sample	Reason	Sample	Reason		
_____	_____	_____	_____		
16. RIC inspected for proper integration for TPH?			NA		
17. Obvious non-TPH peaks excluded?			↓		
18. Individual TPH peak area < octane high point area?					
TALS Review			1st	If No, why is data reportable?	

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

19. Graphics uploaded? [open one paperclip]	✓																
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?	NA	<input type="checkbox"/> [Failed TO-14A, but passes TO-15] (NCM# _____)															
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] No LCS variances are allowed for DoD5 [Chrom-F8] [TALS-Sample Results Tab]	✓	<input checked="" type="checkbox"/> CCV - %D - LCS criteria met (NCM# <u>32748</u>) <input checked="" type="checkbox"/> CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM# <u>32749</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.	NA	<input type="checkbox"/> Air Analysis - Air Sample Transfer to Canister (NCM# _____)															
25. Sample analyses done within analytical holding time?	✓	<input type="checkbox"/> Holding Time – Received w/Insufficient Time (NCM# _____) <input type="checkbox"/> 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.	✓	<input type="checkbox"/> Marginal Exceedances - Within ME Limits and Random; Report (NCM# _____) <input checked="" type="checkbox"/> LCS/LCSD - %R High (NCM# <u>32750</u>)															
<table border="1"> <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			
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]	NA																
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) <i>(If DUP not reported - set to 'Acceptable' for each job)</i>	✓																
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	✓	500 mL blank ID: <u>#4</u> 200 mL blank ID: _____															
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>Supriya K</u>	Date: <u>10/20/2021</u>	2nd Level Reviewer :	Date:
Comments:		Comments:	
Example Calculation: $140 - 25006 - 2$ PCF			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			
$6.279555 \times 500/25 \times 11.31 = 1420$			

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	10/19/21	Routine	DOD5	OHIO VAP
CCAL Chrom WL #	21072	CCAL Batch #	54824	NA	NA
ICAL Chrom WL #	20838	ICAL Batch # / Event #	54194/3259	54197/3262	54196/3261
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]				<input type="checkbox"/> [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 10/20/21		
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:				<input type="checkbox"/> Method Blank – Report, ND (NCM# _____) <input type="checkbox"/> 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?					NA
13. IS/Surr within limits? List samples and reason (e.g., 1 thru 5): [Batch Results IS & SUR Tab]				<input type="checkbox"/> (1) Surrogate – Matrix (NCM# _____) <input type="checkbox"/> (2) Surrogate – High, ND (NCM# _____) <input type="checkbox"/> (3) ISTD – RA/RA Concur (NCM# _____) <input type="checkbox"/> (4) Surrogate –RX concur, Report both (NCM# _____) <input type="checkbox"/> (5) ISTD – Matrix, DL required (NCM# _____)	Y
Sample	Reason	Sample	Reason		
_____	_____	_____	_____		
_____	_____	_____	_____		
14. Samples outside calibration range scheduled for dilution?				<input type="checkbox"/> ICAL – Range Exceeded; Minimum Dilution	NA
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:				<input type="checkbox"/> (1) Reporting Limit – Dilution, Matrix (NCM# _____) <input type="checkbox"/> (2) Reporting Limit – Dilution, Non-Target (NCM# _____) <input type="checkbox"/> (3) Issues with initial collection volume; see DR.	Y
Sample	Reason	Sample	Reason		
_____	_____	_____	_____		
_____	_____	_____	_____		
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
TALS Review			1st	If No, why is data reportable?	2nd

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

19. Graphics uploaded? [open one paperclip]			Y														
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?	<input type="checkbox"/> [Failed TO-14A, but passes TO-15] (NCM# _____)		NA														
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] No LCS variances are allowed for DoD5 [Chrom-F8] [TALS-Sample Results Tab]	<input type="checkbox"/> CCV - %D - LCS criteria met (NCM# _____) <input type="checkbox"/> CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM# _____)		Y														
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?			na														
23. Project & sample special instructions verified?			Y														
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	<input type="checkbox"/> Air Analysis - Air Sample Transfer to Canister (NCM# _____)		NA														
25. Sample analyses done within analytical holding time?	<input type="checkbox"/> Holding Time – Received w/Insufficient Time (NCM# _____) <input type="checkbox"/> Holding Time – Receipt (NCM# _____)		Y														
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.	<input type="checkbox"/> Marginal Exceedances - Within ME Limits and Random; Report (NCM# _____) <input type="checkbox"/> LCS/LCSD - %R High (NCM# _____)		Y														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align:center">Number of target analytes in LCS</th> <th style="text-align:center"># marginal exceedances of LCS control limits allowed</th> </tr> </thead> <tbody> <tr><td style="text-align:center">>90</td><td style="text-align:center">5</td></tr> <tr><td style="text-align:center">71 - 90</td><td style="text-align:center">4</td></tr> <tr><td style="text-align:center">51 - 70</td><td style="text-align:center">3</td></tr> <tr><td style="text-align:center">31 - 50</td><td style="text-align:center">2</td></tr> <tr><td style="text-align:center">11 - 30</td><td style="text-align:center">1</td></tr> <tr><td style="text-align:center"><11</td><td style="text-align:center">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			
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>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]			Y														
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]			Y														
29. Analytes over calibration range set to secondary [Conditions Review Tab]			NA														
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]			Y														
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) <i>(If DUP not reported - set to 'Acceptable' for each job)</i>			Y														
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>NA</u>		Y														
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]			Y														
34. Correct ICV linked to each MB? [QC Links]			Y														
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]			Y														
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]			Y														
37. Run Checklist and acknowledge findings [F8]			Y														
38. Runs set to 1 st level review?		Runs set to 2 nd level review?	Y														
39. QC checker run and items addressed?	-na-		Y														
40. Checklist & Entech report scanned, attached & assigned properly?	-na-		Y														

Analyst:	Date:	2nd Level Reviewer : LL	Date: 10/20/21
Comments:	Comments:		
Example Calculation:			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Instrument ID: MR Start Date: 10/22/2021 10:41

Analysis Batch Number: 54949 End Date: 10/23/2021 06:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-54949/1		10/22/2021 10:41	1	RBFBJ22A.D	RTX-5 0.32 (mm)
CCVIS 140-54949/2		10/22/2021 11:15	1	RCCVJ22A.D	RTX-5 0.32 (mm)
LCS 140-54949/1002		10/22/2021 11:15	1	RCCVJ22A-LCS.d	RTX-5 0.32 (mm)
MB 140-54949/4		10/22/2021 12:44	1	R500BJ22.D	RTX-5 0.32 (mm)
140-25006-1	EQUIPMENT BLANK	10/22/2021 16:53	1	RJ22P113.D	RTX-5 0.32 (mm)
ZZZZZ		10/22/2021 17:43	1		RTX-5 0.32 (mm)
ZZZZZ		10/22/2021 18:35	1		RTX-5 0.32 (mm)
ZZZZZ		10/22/2021 19:26	1.5		RTX-5 0.32 (mm)
ZZZZZ		10/22/2021 20:17	1.6		RTX-5 0.32 (mm)
ZZZZZ		10/22/2021 21:08	1.44		RTX-5 0.32 (mm)
ZZZZZ		10/22/2021 22:50	1.47		RTX-5 0.32 (mm)
ZZZZZ		10/23/2021 00:28	1		RTX-5 0.32 (mm)
ZZZZZ		10/23/2021 01:16	1		RTX-5 0.32 (mm)
ZZZZZ		10/23/2021 02:03	1		RTX-5 0.32 (mm)
ZZZZZ		10/23/2021 02:51	1		RTX-5 0.32 (mm)
ZZZZZ		10/23/2021 03:39	1		RTX-5 0.32 (mm)
ZZZZZ		10/23/2021 04:27	1		RTX-5 0.32 (mm)
ZZZZZ		10/23/2021 05:15	1		RTX-5 0.32 (mm)
ZZZZZ		10/23/2021 06:03	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	MR 10/22/2021		Routine	DOD	OHIO VAP
CCAL Chrom WL #	21112	CCAL Batch #	54949		55077
ICAL Chrom WL #	20984	ICAL Batch # / Event #	54608 / 3280	/	54610 / 3282
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>Suphanna K</i> 10/25/2021			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:			/	<input type="checkbox"/> Method Blank – Report, ND (NCM# _____) NCM 32870 <input type="checkbox"/> 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]			/	<input type="checkbox"/> (1) Surrogate – Matrix (NCM# _____) <input type="checkbox"/> (2) Surrogate – High, ND (NCM# _____) <input type="checkbox"/> (3) ISTD – RA/RA Concur (NCM# _____) <input type="checkbox"/> (4) Surrogate –RX concur, Report both (NCM# _____) <input type="checkbox"/> (5) ISTD – Matrix, DL required (NCM# _____)	
Sample	Reason	Sample	Reason		
_____	_____	_____	_____		
_____	_____	_____	_____		
14. Samples outside calibration range scheduled for dilution?			/	<input type="checkbox"/> 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:			/	<input type="checkbox"/> (1) Reporting Limit – Dilution, Matrix (NCM# _____) <input checked="" type="checkbox"/> (2) Reporting Limit – Dilution, Non-Target (NCM# 32868) <input type="checkbox"/> (3) Issues with initial collection volume; see DRC.	
Sample	Reason	Sample	Reason		
#5	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?			↓		
TALS Review			1st	If No, why is data reportable?	

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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19. Graphics uploaded? [open one paperclip]	/																
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?	/	<input checked="" type="checkbox"/> [Failed TO-14A, but passes TO-15] (NCM# 32867)															
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] No LCS variances are allowed for DoD5 [Chrom-F8] [TALS-Sample Results Tab]	/	<input type="checkbox"/> CCV - %D - LCS criteria met (NCM# _____) <input type="checkbox"/> 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.	NA	<input type="checkbox"/> Air Analysis - Air Sample Transfer to Canister (NCM# _____)															
25. Sample analyses done within analytical holding time?	/	<input type="checkbox"/> Holding Time – Received w/Insufficient Time (NCM# _____) <input type="checkbox"/> 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.	/	<input type="checkbox"/> Marginal Exceedances - Within ME Limits and Random; Report (NCM# _____) <input type="checkbox"/> LCS/LCSD - %R High (NCM# _____)															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Number of target analytes in LCS</th> <th style="text-align: center;"># marginal exceedances of LCS control limits allowed</th> </tr> </thead> <tbody> <tr> <td align="center">>90</td> <td align="center">5</td> </tr> <tr> <td align="center">71 - 90</td> <td align="center">4</td> </tr> <tr> <td align="center">51 - 70</td> <td align="center">3</td> </tr> <tr> <td align="center">31 - 50</td> <td align="center">2</td> </tr> <tr> <td align="center">11 - 30</td> <td align="center">1</td> </tr> <tr> <td align="center"><11</td> <td align="center">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			
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 job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	/																
29. Analytes over calibration range set to secondary [Conditions Review Tab]	/																
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31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) <i>(If DUP not reported - set to 'Acceptable' for each job)</i>	/																
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	/	500 mL blank ID: #4 200 mL blank ID: _____															
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: <i>Sophom KL</i>	Date: 10/25/2021	2nd Level Reviewer :	Date:
Comments:		Comments:	
Cl 4-ethyltoluene lines 5,6			
Cl butadiene and acetone lines 6,8			
Example Calculation: 140 - 25053 - 2 acetone			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			
5.628999 x 500/350 x 1.0 x 58.078/24.45 = 19 µg/m ³			

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	MR	10/22/21	Routine	DOD 5	OHIO VAP
CCAL Chrom WL #	21112	CCAL Batch #	54949	NA	55077
ICAL Chrom WL #	20984	ICAL Batch # / Event #	54608 /3280	54611/3283	54610/3282
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]				<input type="checkbox"/> [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 10/25/21	
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:				<input type="checkbox"/> Method Blank – Report, ND (NCM# _____) <input type="checkbox"/> 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?					NA
13. IS/Surr within limits? List samples and reason (e.g., 1 thru 5): [Batch Results IS & SUR Tab]				<input type="checkbox"/> (1) Surrogate – Matrix (NCM# _____) <input type="checkbox"/> (2) Surrogate – High, ND (NCM# _____) <input type="checkbox"/> (3) ISTD – RA/RA Concur (NCM# _____) <input type="checkbox"/> (4) Surrogate –RX concur, Report both (NCM# _____) <input type="checkbox"/> (5) ISTD – Matrix, DL required (NCM# _____)	Y
Sample Reason Sample Reason					
14. Samples outside calibration range scheduled for dilution?				<input type="checkbox"/> 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				<input type="checkbox"/> (1) Reporting Limit – Dilution, Matrix (NCM# _____) <input type="checkbox"/> (2) Reporting Limit – Dilution, Non-Target (NCM# _____) <input type="checkbox"/> (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
TALS Review			1st	If No, why is data reportable?	2nd

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

19. Graphics uploaded? [open one paperclip]			Y														
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?	<input type="checkbox"/> [Failed TO-14A, but passes TO-15] (NCM# _____)		Y														
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] No LCS variances are allowed for DoD5 [Chrom-F8] [TALS-Sample Results Tab]	<input type="checkbox"/> CCV - %D - LCS criteria met (NCM# _____) <input type="checkbox"/> CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM# _____)		Y														
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?			na														
23. Project & sample special instructions verified?			Y														
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	<input type="checkbox"/> Air Analysis - Air Sample Transfer to Canister (NCM# _____)		NA														
25. Sample analyses done within analytical holding time?	<input type="checkbox"/> Holding Time – Received w/Insufficient Time (NCM# _____) <input type="checkbox"/> Holding Time – Receipt (NCM# _____)		Y														
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.	<input type="checkbox"/> Marginal Exceedances - Within ME Limits and Random; Report (NCM# _____) <input type="checkbox"/> LCS/LCSD - %R High (NCM# _____)		Y														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align:center">Number of target analytes in LCS</th> <th style="text-align:center"># marginal exceedances of LCS control limits allowed</th> </tr> </thead> <tbody> <tr> <td align="center">>90</td> <td align="center">5</td> </tr> <tr> <td align="center">71 - 90</td> <td align="center">4</td> </tr> <tr> <td align="center">51 - 70</td> <td align="center">3</td> </tr> <tr> <td align="center">31 - 50</td> <td align="center">2</td> </tr> <tr> <td align="center">11 - 30</td> <td align="center">1</td> </tr> <tr> <td align="center">< 11</td> <td align="center">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
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]			Y														
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]			Y														
29. Analytes over calibration range set to secondary [Conditions Review Tab]			Y														
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]			Y														
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)			Y														
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>NA</u>		Y														
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]			Y														
34. Correct ICV linked to each MB? [QC Links]			Y														
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]			Y														
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]			Y														
37. Run Checklist and acknowledge findings [F8]			Y														
38. Runs set to 1 st level review?		Runs set to 2 nd level review?	Y														
39. QC checker run and items addressed?	-na-		Y														
40. Checklist & Entech report scanned, attached & assigned properly?	-na-		Y														

Analyst:	Date:	2nd Level Reviewer : LL	Date: 10/25/21
Comments:	Comments:		
Example Calculation:			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Batch Number: 54824 Batch Start Date: 10/19/21 10:15 Batch Analyst: Khachitpongpanit, Suphawa

Batch Method: TO 15 LL Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	40CV101P 00153	40MXBFB 00001	40MXISSUR 00001	
BFB 140-54824/1		TO 15 LL		500 mL	500 mL		40 mL		
CCVIS 140-54824/2		TO 15 LL		500 mL	500 mL	100 mL		40 mL	
MB 140-54824/4		TO 15 LL		500 mL	500 mL			40 mL	
140-25006-A-1	EQUIPMENT BLANK	TO 15 LL	T	500 mL	500 mL			40 mL	
140-25006-A-2	GAC INFLUENT	TO 15 LL	T	25 mL	500 mL			40 mL	
140-25006-A-3	GAC EFFLUENT	TO 15 LL	T	500 mL	500 mL			40 mL	
LCS 140-54824/1002		TO 15 LL		500 mL	500 mL	100 mL		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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-25006-1

SDG No.: _____

Batch Number: 54949 Batch Start Date: 10/22/21 10:41 Batch Analyst: Khachitpongpanit, Suphawa

Batch Method: TO 15 LL Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	40CV101S 00157	40MXBFB 00001	40MXISSUR 00001	
BFB 140-54949/1		TO 15 LL		500 mL	500 mL		40 mL		
CCVIS 140-54949/2		TO 15 LL		500 mL	500 mL	100 mL		40 mL	
MB 140-54949/4		TO 15 LL		500 mL	500 mL			40 mL	
140-25006-A-1	EQUIPMENT BLANK	TO 15 LL	T	500 mL	500 mL			40 mL	
LCS 140-54949/1002		TO 15 LL		500 mL	500 mL	100 mL		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.

Summa Canister Dilution Worksheet

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

Job No.: 140-25006-1

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
140-25006-2	6	0	1.00	6.00	33.6	3.29	19.71		3.29	3.29	g5	10/18/21 10:49	AFB
140-25006-2	6	0	1.00	6.00	35.9	3.44	20.65		3.44	11.31	g5	10/18/21 11:11	AFB

Formulae:

- Preadjusted Volume (L) = $((\text{Preadjusted Pressure ("Hg)} + 29.92 \text{ "Hg}) * \text{Vol L}) / 29.92 \text{ "Hg}$
- Adjusted Volume (L) = $((\text{Adjusted Pressure (psig)} + 14.7 \text{ psig}) * \text{Vol L}) / 14.7 \text{ psig}$
- Dilution Factor = $\text{Adjusted Volume (L)} / \text{Preadjusted Volume (L)}$

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.: 140-24677-1
 SDG No.: _____
 Client Sample ID: 10701 Lab Sample ID: 140-24677-1
 Matrix: Air Lab File ID: I23L24677A.D
 Analysis Method: TO 15 LL Date Collected: 09/22/2021 15:30
 Sample wt/vol: 500(mL) Date Analyzed: 09/23/2021 10:53
 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.: 53966 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.: 140-24677-1
 SDG No.: _____
 Client Sample ID: 10701 Lab Sample ID: 140-24677-1
 Matrix: Air Lab File ID: I23L24677A.D
 Analysis Method: TO 15 LL Date Collected: 09/22/2021 15:30
 Sample wt/vol: 500(mL) Date Analyzed: 09/23/2021 10:53
 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.: 53966 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.: 140-24677-1
 SDG No.: _____
 Client Sample ID: 10701 Lab Sample ID: 140-24677-1
 Matrix: Air Lab File ID: I23L24677A.D
 Analysis Method: TO 15 LL Date Collected: 09/22/2021 15:30
 Sample wt/vol: 500(mL) Date Analyzed: 09/23/2021 10:53
 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.: 53966 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.: 140-24677-1
 SDG No.: _____
 Client Sample ID: 10701 Lab Sample ID: 140-24677-1
 Matrix: Air Lab File ID: I23L24677A.D
 Analysis Method: TO 15 LL Date Collected: 09/22/2021 15:30
 Sample wt/vol: 500 (mL) Date Analyzed: 09/23/2021 10:53
 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.: 53966 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\20210921-20763.b\I23L24677A.D
 Lims ID: 140-24677-A-1
 Client ID: 10701
 Sample Type: Client
 Inject. Date: 23-Sep-2021 10:53:30 ALS Bottle#: 16 Worklist Smp#: 3
 Purge Vol: 500.000 mL Dil. Factor: 1.0000
 Sample Info: 140-0020763-003
 Misc. Info.: 10701
 Operator ID: HMT Instrument ID: MR
 Method: \\chromfs\Knoxville\ChromData\MR\20210921-20763.b\MR_TO15.m
 Limit Group: MSA TO14A_15 Routine ICAL
 Last Update: 24-Sep-2021 11:30:35 Calib Date: 02-Sep-2021 09:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210901-20515.b\RI011C10R.D
 Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
 Process Host: CTX1603

First Level Reviewer: khachitpongpanits Date: 24-Sep-2021 11:30:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.619	8.598	0.021	92	209891	4.80	
* 2 1,4-Difluorobenzene	114	10.857	10.846	0.011	96	1067731	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.770	15.780	-0.010	95	845259	4.80	
\$ 4 4-Bromofluorobenzene (Surr)	95	17.441	17.447	-0.006	93	691316	4.45	
48 1,2-Dichloroethane	62	9.779	9.779	0.000	1	1311	0.0140	
61 1,4-Dioxane	88	11.876	11.817	0.059	15	1040	0.0322	
64 4-Methyl-2-pentanone (MIBK)	43	12.815	12.809	0.006	72	16945	0.0753	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210921-20763.b\I23L24677A.D

Injection Date: 23-Sep-2021 10:53:30

Instrument ID: MR

Operator ID: HMT

Lims ID: 140-24677-A-1

Lab Sample ID: 140-24677-1

Worklist Smp#: 3

Client ID: 10701

Purge Vol: 500.000 mL

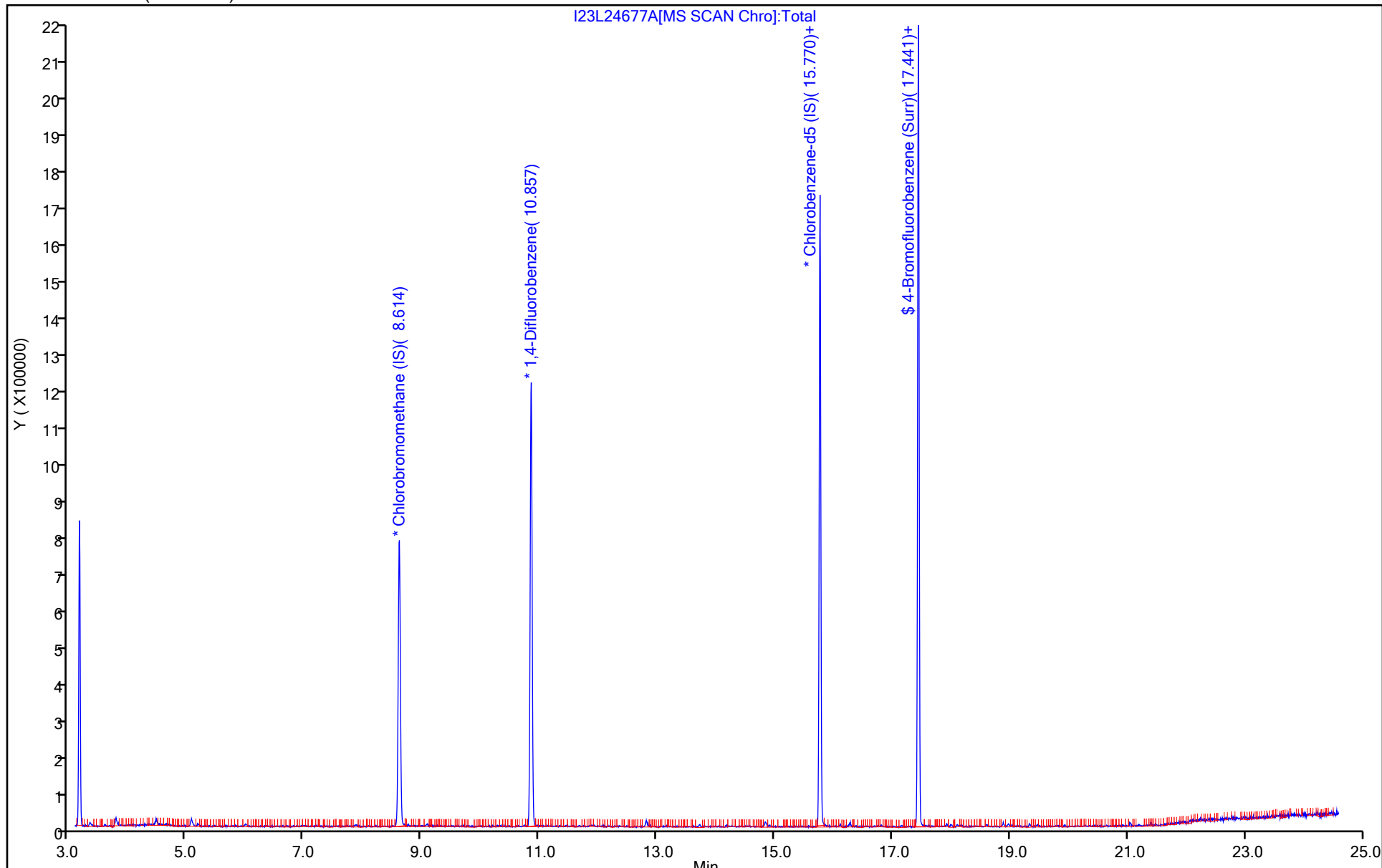
Dil. Factor: 1.0000

ALS Bottle#: 16

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\20210921-20763.b\23L24677A.D

Injection Date: 23-Sep-2021 10:53:30

Instrument ID: MR

Lims ID: 140-24677-A-1

Lab Sample ID: 140-24677-1

Client ID: 10701

Operator ID: HMT

ALS Bottle#: 16

Worklist Smp#: 3

Purge Vol: 500.000 mL

Dil. Factor: 1.0000

Method: MR_TO15

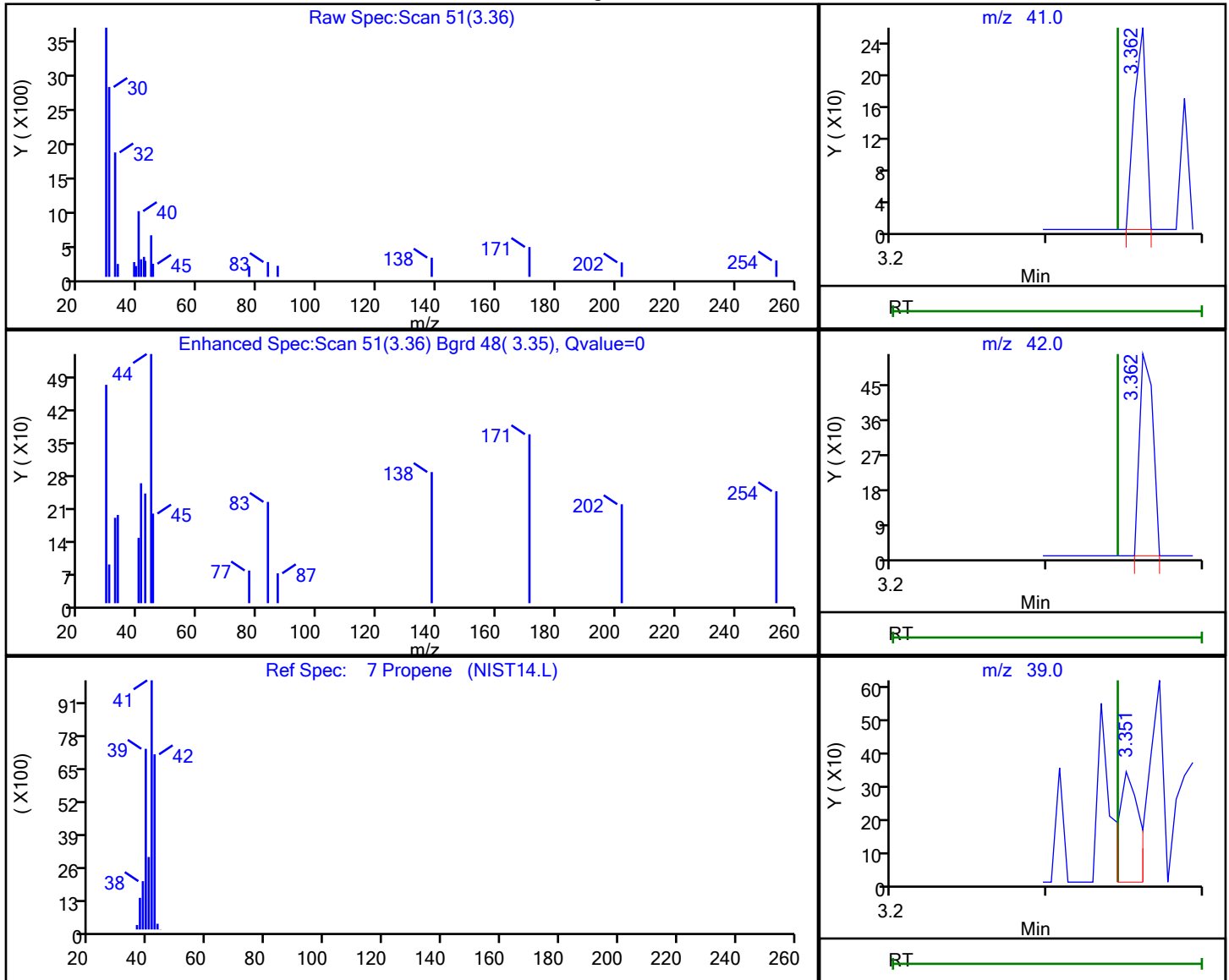
Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm)

Detector: MS SCAN

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.36	41.00	137	0.002320
3.36	42.00	315	
3.35	39.00	303	

Reviewer: tajh, 23-Sep-2021 11:29:09

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Shipping and Receiving Documents



Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike

Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Client Contact Information		Client Project Manager: <u>John W. Johnson</u>		Samples Collected By: <u>JTB</u>		COC No: <u>1</u> of <u>1</u> COCs	
Company Name:	<u>EAC</u>	Phone:		Other (Please specify in notes section)			
Address:	<u>205 Atlantic Ave</u>	Email:		Landfill Gas			
City/State/Zip:	<u>Portcharlotte NY 11772</u>	Site Contact:		Soil Vapor Extraction (SVE)			
Phone:	<u>631-447-0400</u>	Tel/Fax:		Soil Gas			
Project Name:	<u>dos-geneve 71</u>	Standard (Specific):	<u>10 day</u>	Sub-Slab			
Site/Location:		Rush (Specify):		Indoor Air/Ambient Air			
P O #		Analysis Turnaround Time		Sample Type			
		Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Other (Please specify in notes section)			
Sample Start Date	Time Start	Sample End Date	Time Stop	EPA 15/16			
		Temperature (Fahrenheit) Ambient	Pressure (inches of Hg) Ambient	ASTM D-1946			
		Start Stop	Start Stop	EPA 25C			
		Start Stop	Start Stop	EPA 3C			
				TO-15 SIM			
				TO-14/15 (Standard / Low Level)			
				Flow Controller ID			
				Canister ID			
<u>Equipment blank</u>	<u>12/10</u>	<u>10/12/21</u>	<u>12/10</u>	<u>0</u>			
<u>GLD Effluent</u>	<u>12/15</u>	<u>↓</u>	<u>12/15</u>	<u>28.7</u>	<u>11171</u>		
<u>GAC Effluent</u>	<u>12/20</u>	<u>↓</u>	<u>12/20</u>	<u>29.0</u>	<u>34600356</u>		
<u>NO CUSTOMY SEALS</u>							
<u>NEUTRAL AMBIENT</u>							
<u>NO 10-11-21</u>							
<u>1 BOX FIDYX 7749270 5472 PD</u>							
<u>3 LAPS / 0 FIDYX / 3 CAPTURES / 3 G.C.</u>							
Special Instructions/QC Requirements & Comments: <u>cat. B deliverable</u>							
Samples Shipped by:		Date / Time:		Samples Received by:			
<u>John Brown</u>		<u>10/12/21 14:30</u>		<u>John Brown EPA 15/16 10-11-21 14:00</u>			
Samples Relinquished by:		Date / Time:		Received by:			
<u>John Brown</u>		<u>10/12/21 14:30</u>		<u>Receiving Room</u>			
Relinquished by:		Date / Time:		Received by:			
<u>John Johnson</u>		<u>10/13/21 11:26</u>		<u>[Signature]</u>			
Lab Use Only:		Shipper Name:		Condition:			
<u>[Signature]</u>		<u>John Johnson</u>		<u>[Signature]</u>			



140-25006 Chain of Custody

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST Log In Number:

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Are the shipping containers intact?	<input checked="" type="checkbox"/>				
2. Were ambient air containers received intact?				<input type="checkbox"/> Containers, Broken	
3. The coolers/containers custody seal if present, is it intact?				<input checked="" type="checkbox"/> Checked in lab <input type="checkbox"/> Yes <input type="checkbox"/> NA	7. EQUIPMENT BANK (CANISTER ASSET NUMBER NOT LISTED ON LOG, SHOULD BE 12011)
4. Is the cooler temperature within limits? (> freezing temp. of water to 6°C, VOST: 10°C) Thermometer ID : _____ Correction factor: _____				<input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt	
5. Were all of the sample containers received intact?	<input checked="" type="checkbox"/>			<input type="checkbox"/> Containers, Broken	
6. Were samples received in appropriate containers?	<input checked="" type="checkbox"/>			<input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel	
7. Do sample container labels match COC? (IDs, Dates, Times)	<input checked="" type="checkbox"/>			<input type="checkbox"/> COC & Samples Do Not Match <input checked="" type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received	
8. Were all of the samples listed on the COC received?	<input checked="" type="checkbox"/>			<input type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received	
9. Is the date/time of sample collection noted?	<input checked="" type="checkbox"/>			<input type="checkbox"/> COC; No Date/Time; Client Contacted	Labeling Verified by: _____ Date: _____
10. Was the sampler identified on the COC?	<input checked="" type="checkbox"/>			<input type="checkbox"/> Sampler Not Listed on COC	pH test strip lot number: _____
11. Is the client and project name/# identified?	<input checked="" type="checkbox"/>			<input type="checkbox"/> COC Incorrect/Incomplete	
12. Are tests/parameters listed for each sample?	<input checked="" type="checkbox"/>			<input type="checkbox"/> COC No tests on COC	
13. Is the matrix of the samples noted?	<input checked="" type="checkbox"/>			<input type="checkbox"/> COC Incorrect/Incomplete	
14. Was COC relinquished? (Signed/Dated/Timed)	<input checked="" type="checkbox"/>			<input type="checkbox"/> COC Incorrect/Incomplete	Box 16A: pH Preservation Box 18A: Residual Chlorine
15. Were samples received within holding time?	<input checked="" type="checkbox"/>			<input type="checkbox"/> Holding Time - Receipt	Preservative: _____
16. Were samples received with correct chemical preservative (excluding Encore)?				<input type="checkbox"/> pH Adjusted, pH Included (See box 16A) <input type="checkbox"/> Incorrect Preservative	Lot Number: _____ Exp Date: _____ Analyst: _____ Date: _____ Time: _____
17. Were VOA samples received without headspace?				<input type="checkbox"/> Headspace (VOA only) <input type="checkbox"/> Residual Chlorine	
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____					
19. For 1613B water samples is pH<9?				<input type="checkbox"/> If no, notify lab to adjust	
20. For rad samples was sample activity info. Provided?				<input type="checkbox"/> Project missing info	
Project #: 14002770 PM Instructions: _____					

Sample Receiving Associate:  Date: 10/15/21 QA026R32.doc, 062719

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
 Date: 10/15/2021

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
afb	140-25006-A-1	12011	140-24677-A-13	b	6	0	1320	
afb	140-25006-A-2	11171	140-24677-A-14	b	6	0	1321	
afb	140-25006-A-3	34000356	140-24677-A-2	b	6	-1.0	1322	

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Receiving –Air Can –Calve Open (NCM# _____) <input type="checkbox"/> Air - Can P -24 to -25 " - Flow Contr. Works (NCM# _____) <input type="checkbox"/> Air - Can P -24 to -25 " - Flow Contr. Faulty (NCM# _____) <input type="checkbox"/> Air - Can P Out -26" - Flow Contr. Works (NCM# _____) | <ul style="list-style-type: none"> <input type="checkbox"/> Air - Can P Out -26" - Flow Contr. Faulty (NCM# _____) <input type="checkbox"/> Air - Can P Low -24 to -25 " - Grab Sample (NCM# _____) <input type="checkbox"/> Air - Can P Low -26 " - Grab Sample (NCM# _____) |
|---|--|