



December 14, 2022
Project No. 10337422

Ms. Sondra Martinkat
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

Re: VCP Index No. D2-0001-01-05
VCP Site ID No. V00425-2
LFNY Indoor Air Sampling

Introduction

This memorandum (Tech Memo) was prepared by HDR to summarize the June 2021 and October 2022 follow-on indoor air sampling conducted on behalf of Lycee Francais de New York (LFNY) at 505 East 75th Street (the site) in New York, New York. The sampling was conducted in accordance with the approved work plan and focused on the basement (Lower Level 2, or “LL2”) spaces at the school. Comments received from NYSDEC and NYSDOH on the April 2021 Indoor Air Sampling Report (which reported on February and March 2021 data) are also addressed herein. This memo supplements prior correspondences and data transmittals from HDR.

In order to evaluate the school’s current indoor air conditions in the Lower Level 2 (LL2; basement) of the building, HDR developed a scope of work at the request of LFNY for indoor air testing in late 2019. Summa canister sampling consistent with the 2007 – 2009 (prior) sampling was completed in December 2019. After summarizing and reporting these 2019 data to the NYSDEC/NYSDOH, HDR prepared an Indoor Air Sampling Work Plan for an additional round of sampling. The Work Plan dated July 2, 2020 was approved on July 17, and sampling was conducted on July 22, 2020. The February and March 2021 sampling report was submitted to NYSDEC on April 6, 2021. On November 4, 2021, the NYSDEC and NYSDOH provided comments (received by HDR in August 2022), which are summarized below. HDR responses are provided in *blue italicized* text.

- The “sump cover” is not preventing the compounds of concern from entering the sump room. The photo log shows the sump cover does not provide an air tight seal needed to prevent vapors from entering the sump room. *A new sump cover has been installed as described in this tech memo.*
- The report states that the sump room is under positive pressure, however the smoke test photos would indicate lower pressure in the sump room (smoke moving into the sump room from the hallway). Please revise. *Comment acknowledged*

- Please provide a work plan to address identified indoor air impacts due to soil vapor intrusion and also any additional preferential pathways including sumps or other penetrations. This plan should include the addition of a properly sealed sump cover. Following the implementation of the NYSDEC & NYSDOH-approved work plan, indoor air samples should be collected to confirm that the levels of TCE and PCE are within background concentrations. *Follow-on LL2 sampling was discussed with the NYSDEC Project Manager in September 2022, and sampling was conducted in October 2022 (results reported below in this tech memo).*

NYSDEC/NYSDOH comments regarding the cover of the sump pit in the SW sump room have been addressed with the installation of a new sump cover in August 2021 which is discussed later in this report. Prior to the October 2022 LL2 sampling, HDR discussed the NYSDEC/NYSDOH comment letter (November 4, 2021) and the planned sampling procedures with NYSDEC.

This memorandum provides a summary and assessment of the LL2 sampling conducted in June 2021 and October 2022, including methods, sampling data, findings, and recommendations with regard to LL2 indoor air quality.

Indoor Air Sampling – June 24, 2021 (SW sump room)

After reviewing the February 2021 sample results for the SW sump room, LFNY maintenance staff inspected the exhaust system in the room and found that the motor was not working on the exhaust fan. A new fan was installed on March 10, 2021, and a critical fault alarm was added to the school's building information system to alert school staff if the sump room fan is malfunctioning. On June 24, 2021, HDR returned to the school to collect another air sample from the sump room. The school was closed on this date; however, maintenance and security staff were present during the day. There were no observed chemical usage or other school use activities noted in the LL2 sample area that potentially interfered with the sampling or laboratory analysis. A SW sump room sample was collected in a 6-liter Summa canister with 8-hour flow regulator provided to HDR by Eurofins-TestAmerica, in accordance with prior sampling. The air sample was collected at the same location as the March 2021 sample. The sample location is included on Figure 1, and photographs of the June 2021 sampling event are provided in Appendix A. The sample collection duration in the sump room was from 7:58 – 15:58, or 8 hours, 0 minutes. The Air Sampling Log for this event is provided in Appendix B.

A chain-of-custody record was maintained for the sample. At the completion of sample collection, the canister was packaged and picked up by the laboratory the same day (06/24/2021). All sampling equipment was properly decontaminated, calibrated, and leak checked by TestAmerica prior to use. A canister cleaning analytical report is provided in Appendix D, as part of the June 2021 laboratory report.

Sump Cover Replacement – August 2021

As background, the LL2 southwest (SW) sump room houses the on-site water treatment system, the school's storm/sewer ejector pit, and other mechanical equipment. The room is equipped with a dedicated ventilation system and double

doors, and is only accessed when needed by school maintenance staff (typically, during 'off hours' when the school is not occupied). LFNY installed a new sump cover in the sump room in August 2021. The new sump cover specification was reviewed and the cover installed to reduce vapors from entering the sump room, in accordance with the School's Site Management Plan (SMP). [It is noted that this measure also addresses the NYSDEC/NYSDOH November 2021 comment regarding the sump cover seal.]

During the October 2022 indoor air sampling event (see below), HDR confirmed that the new sump cover was installed over the sump pit. Appendix C provides the specifications for the new aluminum sump cover, and Appendix A provides photographs of the new sump cover from the October 11, 2022 site visit/sampling event. It is noted that the conditions observed (sump cover, double doors) are routinely inspected and maintained as part of the SMP.

Indoor Air Sampling – October 11, 2022

On Tuesday, October 11, 2022, one outdoor and four indoor air samples were collected by HDR. Figure 1 depicts the LL2 sample locations, which were consistent with prior sampling that has been conducted. According to school personnel, the building's HVAC and CASPR systems¹ were operating normally during the sampling event. The school was closed on this date; however, maintenance and security staff were present during the day, and some children and adults were present for approximately 2 hours in the North and South gymnasiums. No chemical usage or other human activities were noted in proximity to the indoor sample canisters. The parked cars near the outdoor Summa canister remained in the driveway during the day. LFNY staff confirmed that there were no changes to the July 2020 NYSDOH Indoor Air Quality Questionnaire and Building Inventory.

The October 2022 samples were collected in 6-liter Summa canisters with 8-hour flow regulators provided to HDR by Eurofins-TestAmerica. One canister was placed in the North Gymnasium (large gym) in the basement (LL2); one canister was placed in the South Gymnasium (small gym); one canister was placed in the hallway between the two gymnasiums; one canister was placed in the SW sump room; and the fifth canister was placed outdoors (ambient sample) in the on-site vehicle parking area. A Site Diagram of the October 11, 2022 sample locations is provided as Figure 1, and photographs taken during this sampling event are provided in Appendix A.

The intakes of the Summa canisters were placed at approximately three feet above floor level. Canister vacuum readings were taken before, during, and after sample collection. Regulators with an 8-hour sample duration were ordered from the laboratory. One canister (hallway) reached -5 psi in less than 8 hours. The

¹ See November 2020 Tech Memo for information on CASPR Units that have been installed and operational at the school. CASPR units (<https://casprgroup.com/solutions/caspr-pro-in-duct/>) were installed in the air handling units that services the LL2 south and north gyms to evaluate the technology as an added measure to protect against COVID-19. Based on efficacy testing performed by LFNY, one CASPR unit in the south gym and two CASPR units in the north gym remain operational.

collection time for the background canister placed outside ended in 2 minutes and is considered as a grab sample for this event. Sample durations were as follows:

South gym	9:20 – 17:25	8 hours, 5 minutes
North gym	9:02 – 17:22	8 hours, 20 minutes
SW sump room	9:27 – 17:29	8 hours, 5 minutes
Hallway	9:10 – 15:45	6 hours, 35 minutes
Driveway	8:09 – 8:11	0 hours, 2 minutes

Air Sampling Logs are provided as Appendix B.

A chain-of-custody record was maintained for each sample. At the completion of sample collection, the canisters were packaged and picked up by the laboratory on October 13th (TestAmerica NY Certification number 10391). The samples were analyzed for PCE and TCE using the EPA TO-15 Method, with the following laboratory method detection limits:

- PCE: 3 ug/m³
- TCE: 0.20 ug/m³

All sampling equipment was properly decontaminated, calibrated, and leak checked by TestAmerica prior to use. A canister cleaning analytical report is provided in Appendix D, as part of the laboratory report.

Laboratory Analytical Results

The following table summarizes the December 23, 2019, July 22, 2020, February 19, 2021, March 20, 2021 (all reported prior), June 24, 2021 (SW sump room), and October 11, 2022 sample data.

Sample Location	TCE - Dec. 2019	TCE - July 2020	TCE - Feb. 2021	TCE - Mar. 2021	TCE - June 2021	TCE - Oct. 2022	PCE - Dec. 2019	PCE - July 2020	PCE - Feb. 2021	PCE - Mar. 2021	PCE - June 2021	PCE - Oct. 2022
OA-Driveway	0.20 U	0.27	0.65	NS	NS	ND (0.79)	1.4 U	1.1 J	1.5 J	NS	NS	0.58 J
South Gym	2.2	0.46	0.34	NS	NS	ND (0.20)	9.0	1.5	1.3 J	NS	NS	0.39 J
North Gym	0.44	0.76	1.3	NS	NS	ND (0.20)	2	3.3	5.2	NS	NS	0.39 J
Hallway	0.19 J	1.0	1.4	NS	NS	0.55	0.89 J	4.3	6.6	NS	NS	3.3
SW Sump Pit	NS	2.7	180 (170 D dilution factor 5)	46	25	7.2	NS	17	730 E (630 D dilution factor 5)	180	85	32

Units are in ug/m³
NS – Not Sampled
ND – Not detected

Copies of the Category B laboratory reports for the June 2021 and October 2022 LL2 sampling are provided in Appendix D. Historic and current indoor air sampling results are also summarized in the attached Table 1.

Air Handling System

LFNY staff have been monitoring and enhancing the school's air handling system since closing due to COVID-19 on March 12, 2020. Measures implemented at the school, as related to indoor air quality, have included the upgrading of all HVAC filtration to MERV11-15 and maintaining HEPA filters in classrooms/some offices/bathrooms. In 2022, the school returned operations of the air handlers to pre-COVID conditions which allow for a minimum 20% of outdoor air while the AHUs are running in "occupied" mode. A CASPR unit continues to operate in the south gym, and two CASPR units remain in the LL2 north gym.

Conclusions and Recommendations

Based on the data obtained during the June 2021 and October 2022 LL2 air sampling events (refer to Table 1), the concentrations of TCE and PCE in general use areas of the school have decreased following the implementation of the SW sump room cover in August 2021 and continued operation / monitoring of the air handling system. As with prior events, the data appear to suggest that these compounds are present at levels which may typically be found in institutional buildings. The data again suggest that the engineered vapor barrier system remains effective in eliminating sub-slab vapor intrusion into the building. The concentrations in the SW sump room were found to have decreased with the June 2021 and October 2022 data as compared with data from prior sampling events.

The below bullet items provide additional analysis of the June 2021/October 2022 LL2 data:

- The installation of the new sump cover in the SW sump room and enhancements to the room's exhaust fan, in combination with the double doors, appear effective at maintaining a separation between the SW sump room and LL2 hallway / other areas. The sump room houses the water treatment system components (GAC, bag filters, meter/pump), and is off-limits except to School maintenance staff and outside contractors. The doors are kept closed at all times except when needed to access the area for maintenance including O&M of the on-site water treatment system.
- The SW sump room concentrations were noted to decrease between the June 2021 and the March 2021 sampling events (the March sampling was conducted within 10 days of the exhaust fan repair), indicating that the ventilation system is fully active and effective.
- The SW sump room concentrations continued to decrease in October 2022 (the October sampling was conducted after the new sump cover installation in August 2021), indicating that the sump cover is providing a seal from the sump pit opening and eliminating or significantly reducing the concentrations of TCE and PCE in the sump room itself and possibly in LL2.
- Indoor air concentrations of TCE and PCE in the hallway, north gym and



south gym have also decreased (to non-detect concentrations in some cases), possibly due in part to the CASPR units that were installed (and still operating).

- The on-going monitoring under the SMP do not indicate a sub-slab pathway to LL2.

Based on the LL2 data and a review of site conditions, HDR recommends continued periodic inspection and, if required, maintenance of the sump room cover and LL2 / sump room air handling systems. Conditions will be evaluated and reported to NYSDEC in the March 2023 Periodic Review Report (PRR; part of overall SMP requirements). Periodic LL2 indoor air testing (in the winter months; on frequency of every 3 years, i.e., 2025, 2028, etc.) and reporting to the agencies is also recommended, with more frequent testing to be considered based on changes in site conditions or SMP findings. Updates on air handling system operations will also be included in future reports to the agencies.

Please contact me at 201-335-9412 if you need any additional information.

Sincerely,

Henningson, Durham and Richardson
Architecture and Engineering, P.C.
in association with HDR Engineering, Inc.

Michael P. Musso, P.E.
Senior Project Engineer

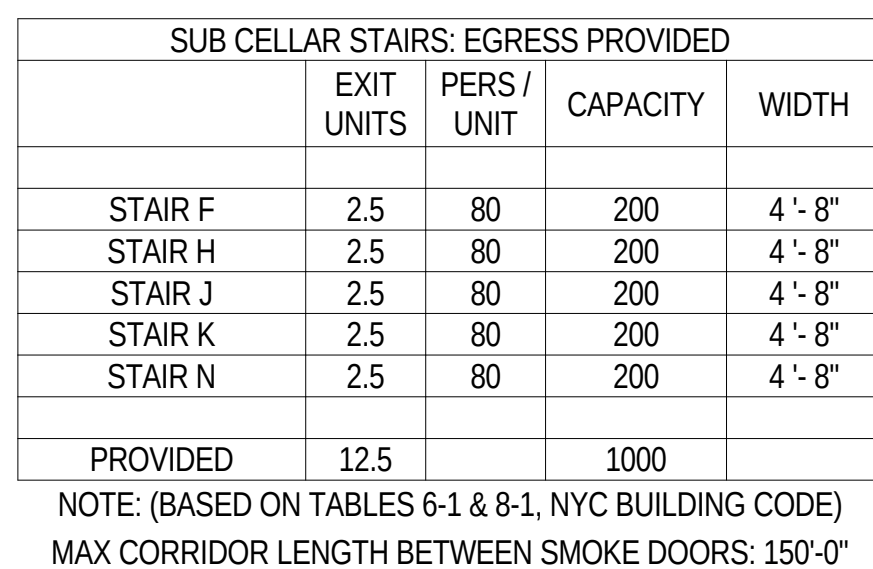
Attachments

cc: Terrence Kennedy, LFNY

FIGURE 1

Sample Locations

June 24, 2021 and October 11, 2022



PAGE NO. OF
NYC DOB NUMBER

Lycee Francais de New York
Table 1 - TCE/PCE Air Sampling Results

Sample Name	Location	Sample Date	TCE	PCE
Sample collection completed in accordance with 2007 Indoor Air Sampling WorkPlan; reported to NYSDEC in the December 5, 2007 Indoor Air Sampling Report.				
Sample #2	LL2 South Gymnasium	11/26/2007	1.24	8.8
Sample #4	Secondary Library (ground floor)	11/26/2007	1.24	8.8
Sample #3	Outdoor (ambient)	11/26/2007	0.81	4.14
Sample collection (3 follow-on rounds summarized below) completed in accordance with March 2008 Site Management Plan and discussions with NYSDEC; results reported to NYSDEC in the March 2009 PRR and in separate memoranda.				
LL2 South Gymnasium	LL2 South Gymnasium	4/3/2008	0.25 U	0.54 J
Primary Library (ground floor)	Primary Library (ground floor)	4/3/2008	0.75	4.41
Outdoor (ambient)	Outdoor (ambient)	4/3/2008	0.25 U	1.09 J
LL2 South Gymnasium	LL2 South Gymnasium	12/23/2008	0.7	4.0
Secondary Library (ground floor)	Secondary Library (ground floor)	12/23/2008	0.32	1.83 J
Sample #2	LL2 South Gymnasium	2/16/2009	0.64	4.75
Sample #4	Secondary Library (ground floor)	2/16/2009	0.38	2.58
Sample #3	Outdoor (ambient)	2/16/2009	0.25 U	3.05 U
December 2019 Sample collection completed on behalf of LFNy; data reported to NYSDEC in January 2020 emails.				
LL2-SGYM-20191223	LL2 South Gymnasium	12/23/2019	2.2	9
LL2-NGYM-20191223	LL2 North Gymnasium	12/23/2019	0.44	2
LL2-HALL-20191223	LL2 Hallway	12/23/2019	0.19 J	0.89 J
OA-DRIVEWAY-20191223	Outdoor (ambient)	12/23/2019	0.20 U	1.4 U
July 2020 Sample collection completed in accordance with the July 2020 Indoor Air Sample Collection Work Plan.				
LL239 SOUTH GYM	LL2 South Gymnasium	7/22/2020	0.46	1.5
LL201 NORTH GYM	LL2 North Gymnasium	7/22/2020	0.76	3.3
LL2 HALLWAY	LL2 Hallway	7/22/2020	1	4.3
LL2 PUMP ROOM	LL2 SW Sump Pit Room (unoccupied)	7/22/2020	2.7	17
OUTSIDE	Outdoor (ambient)	7/22/2020	0.27	1.1 J
February 2021 Sample collection completed in accordance with the July 2020 Indoor Air Sample Collection Work Plan.				
LL239 SOUTH GYM	LL2 South Gymnasium	2/19/2021	0.34	1.3 J
LL201 NORTH GYM	LL2 North Gymnasium	2/19/2021	1.3	5.2
LL2 HALLWAY	LL2 Hallway	2/19/2021	1.4	6.6
LL2 PUMP ROOM	LL2 SW Sump Pit Room (unoccupied)	2/19/2021	180 / 170 D	730 E / 630 D
OUTSIDE	Outdoor (ambient)	2/19/2021	0.65	1.5 J
March 2021 Sample collection completed in accordance with the July 2020 Indoor Air Sample Collection Work Plan. Re-testing after issue with Sump Room ventilation system identified.				
LL2 PUMP ROOM	LL2 SW Sump Pit Room (unoccupied)	3/20/2021	46.0	180
June 2021 Sample collection completed in accordance with the July 2020 Indoor Air Sample Collection Work Plan. Additional Sump Room testing.				
LL2-PUMP ROOM-06-24-2021	LL2 SW Sump Pit Room (unoccupied)	6/24/2021	25.0	85.0
October 2022 Sample collection completed in accordance with the July 2020 Indoor Air Sample Collection Work Plan. First sample collection after new sump cover installed in August 2021.				
LL2 SOUTH GYM-10-11-22	LL2 South Gymnasium	10/11/2022	ND	0.39 J
LL2 NORTH GYM-10-11-22	LL2 North Gymnasium	10/11/2022	ND	0.39 J
LL2 HALLWAY-10-11-22	LL2 Hallway	10/11/2022	0.55	3.3
LL2 PUMP ROOM-10-11-22	LL2 SW Sump Pit Room (unoccupied)	10/11/2022	7.2	32.0
DRIVEWAY-10-11-22	Outdoor (ambient)	10/11/2022	ND	0.58 J

Notes:

TCE - trichloroethene

PCE - tetrachloroethene

LL2 - lower level 2 (basement; lowest constructed space)

ND - Not detected

All data reported in unit of ug/m3

Appendix A

Sample Location Photographs

June 24, 2021 and October 11, 2022



Southwest Pit Room, double doors to hallway closed, 06/24/2021.



SW Pit Room sample collection, 06/24/2021.



Metal plate covering the sump pit in the SW Pit Room, 06/24/2021.



Southwest Pit Room, double doors to hallway closed, 10/11/2022.



New metal plate covering the sump pit in the SW Pit Room, 10/11/2022.



SW Pit Room sample collection, 10/11/2022.

eurofins Environment Testing TestAmerica 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel 802 660 1990 * Fax 802 660 1919	Batch Cert ID: Can #: Date Cleaned: PC Pressure ("Hg)/Date of Reading: Certification Type: Batch Cert ID:	5087 9/23/22 -29.4 9/27/22 0.04 BATCH CERT
	This canister has been cleaned and certified as of the above date to be acceptable for use in the field sampling.	
	Sample ID #	LL2 Pump Room-10-11-22
	Project #	1033
	Date	10/11/22
	Pressure of can	-9
	Grab ☐ Timed ☒	8
	Method	T045, TCE, PCE
	Time	17:29
	Sampler	DS
	hr Flow Control #	7662

SW pit – pump room sample tag, 10/11/2022.



Lower Level 2 hallway sample collection, 10/11/2022.



Lower Level 2 hallway sample collection, 10/11/2022.



Driveway sample collection, 10/11/2022.



North Gymnasium sample collection, 10/11/2022.



South Gymnasium sample collection, 10/11/2022.

Appendix B

Indoor Air Sampling Logs

June 24, 2021 and October 11, 2022

Indoor Air Sampling Log (SW Pit - Pump Room)			
Job #	10291442		
Client	Lycee Francais de New York (LFNY)		
Date	6/24/2021 (Thursday)		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Matthew T. Papula		
Sample ID	LL2 Pump Room-6-24-2021		
Sample Location	SW pit pump room		
Sample Intake Height	approx 3 ft (placed on Shipping Box)		
Equipment	6-L summa canister with 8-hr regulator		
Canister	5609		
Regulator	5200		
Time	Vacuum	Temperature (F)	Humidity
7:58	> -30		
8:30	> -30		
9:30	-28		
10:52	-24		
12:37	-20		
14:20	-15		
15:58	-9		
Comments	SW Pit room doors kept shut except for Summa canister placement and periodic checking of the flow regulator gauge.		
	Harold from Maintenance said that the fan was running even though there was no noise in the SW pit pump room, nor did there seem to be any airflow.		

Indoor Air Sampling Log (SW Pit - Pump Room)			
Job #	10337422		
Client	Lycee Francais de New York (LFNY)		
Date	10/11/2022 (Tuesday, camp is in session this week)		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Daphnie Sainvilus, HDR		
Sample ID	LL2 Pump Room-10-11-22		
Sample Location	SW pit pump room		
Sample Intake Height	approx 3 ft (placed on chair)		
Equipment	6-L summa canister with 8-hr regulator		
Canister	5629		
Regulator	7371		
Time	Vacuum	Temperature (F)	Humidity
9:27	-30	N/A	N/A
10:02	-30		
11:08	-29		
12:00	-26		
13:01	-23		
13:57	-20		
14:56	-17		
15:41	-15	77.4	N/A
17:29	-9	Sample collection completed.	
Comments	SW Pit room doors kept shut except for Summa canister placement and periodic checking of the flow regulator gauge.		
	Temperature was measured by LFNY staff using a temperature gun.		
	Pump room does not receive conditioned air; humidity for the pump room is not included in building management system.		

Indoor Air Sampling Log (North Gym)			
Job #	10337422		
Client	Lycee Francais de New York (LFNY)		
Date	10/11/2022 (Tuesday; camp is in session this week)		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Daphnie Sainvilus, HDR		
Sample ID	LL201 North Gym-10-11-22		
Sample Location	North gymnasium (Room LL201; side of room)		
Sample Intake Height	approx 3 ft (on chair)		
Equipment	6-L summa canister with 8-hr regulator		
Canister	4311		
Regulator	4035		
Batch Cert ID:	2690-52579		
Time	Vacuum	Temperature (F)	Humidity
9:02	-30	71.6	45%
10:00	-30		
11:07	-27		
11:59	-24		
12:59	-21		
13:56	-18		
14:55	-15		
15:43	-13	76.7	41.40%
17:22	-8	Sample collection completed.	
Comments	Gym mats are present; stored along the walls.		
	From 10 am to 12 pm, a dozen students and 2 teachers began using the gym. Sampling location was moved 15 feet to accommodate students. Gym doors remained closed afterwards.		

Indoor Air Sampling Log (South Gym)			
Job #	10337422		
Client	Lycee Francais de New York (LFNY)		
Date	10/11/2022 (Tuesday; camp is in session this week)		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Daphnie Sainvilus, HDR		
Sample ID	LL2 South Gym-10-11-2022		
Sample Location	South gymnasium (Room L239; side of room)		
Sample Intake Height	approx 3 ft (on chair)		
Equipment	6-L summa canister with 8-hr regulator		
Canister	3421		
Regulator	6084		
Time	Vacuum	Temperature (F)	Humidity
9:20	-30	71.7	N/A
10:01	-30		
11:06	-28		
11:57	-26		
12:57	-22		
13:55	-19		
14:54	-15		
15:36	-13	76.2	
17:25	-8	Sample collection completed.	
Comments	Gym mats are present; stored along the walls.		
	From 10 am to 1 pm, a dozen students and 2 teachers began using the gym. Sampling location was moved 10 feet to accommodate students. Gym doors remained closed afterwards.		
	Humidity measurements were not working for the south gymnasium room on the building management system.		

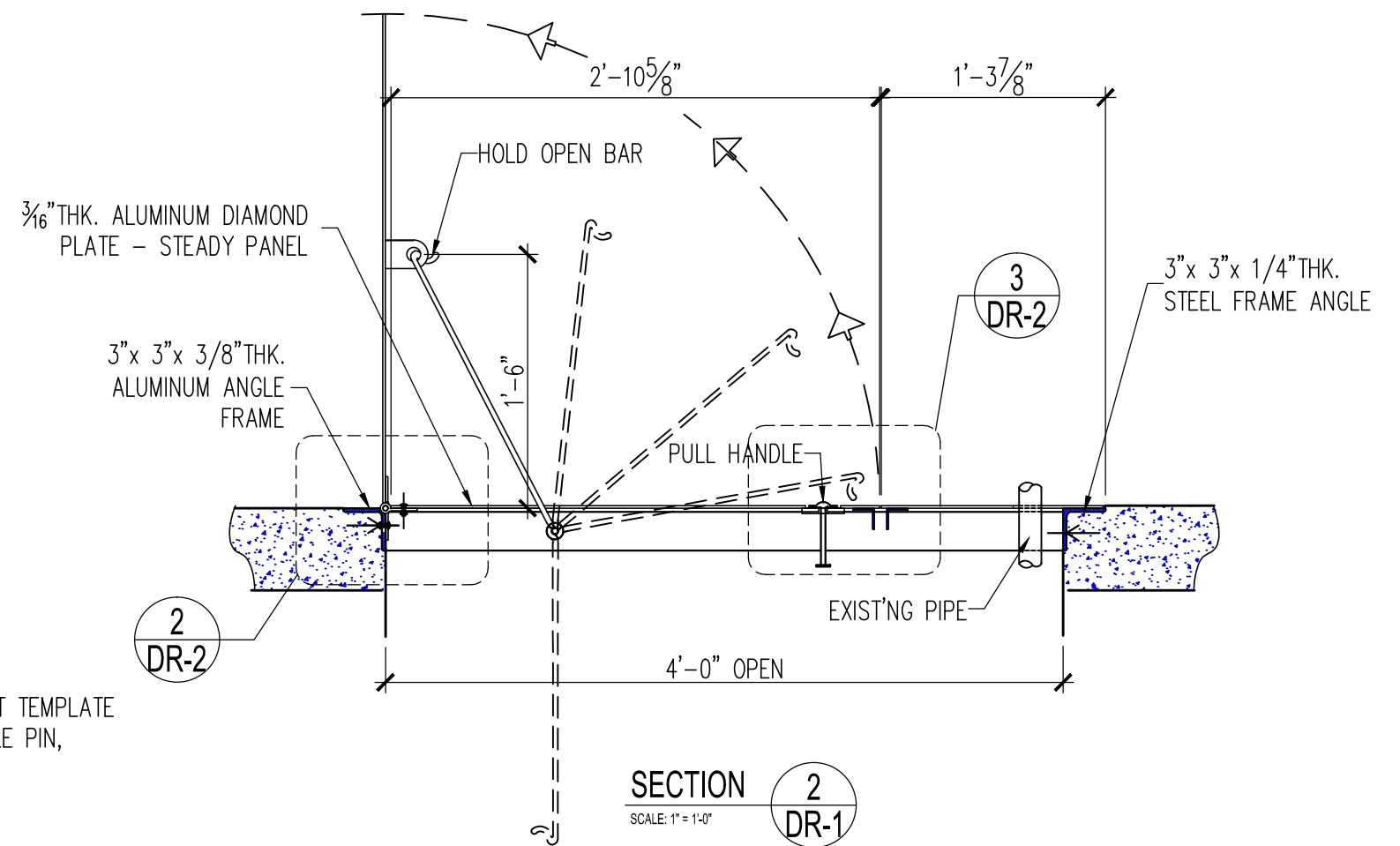
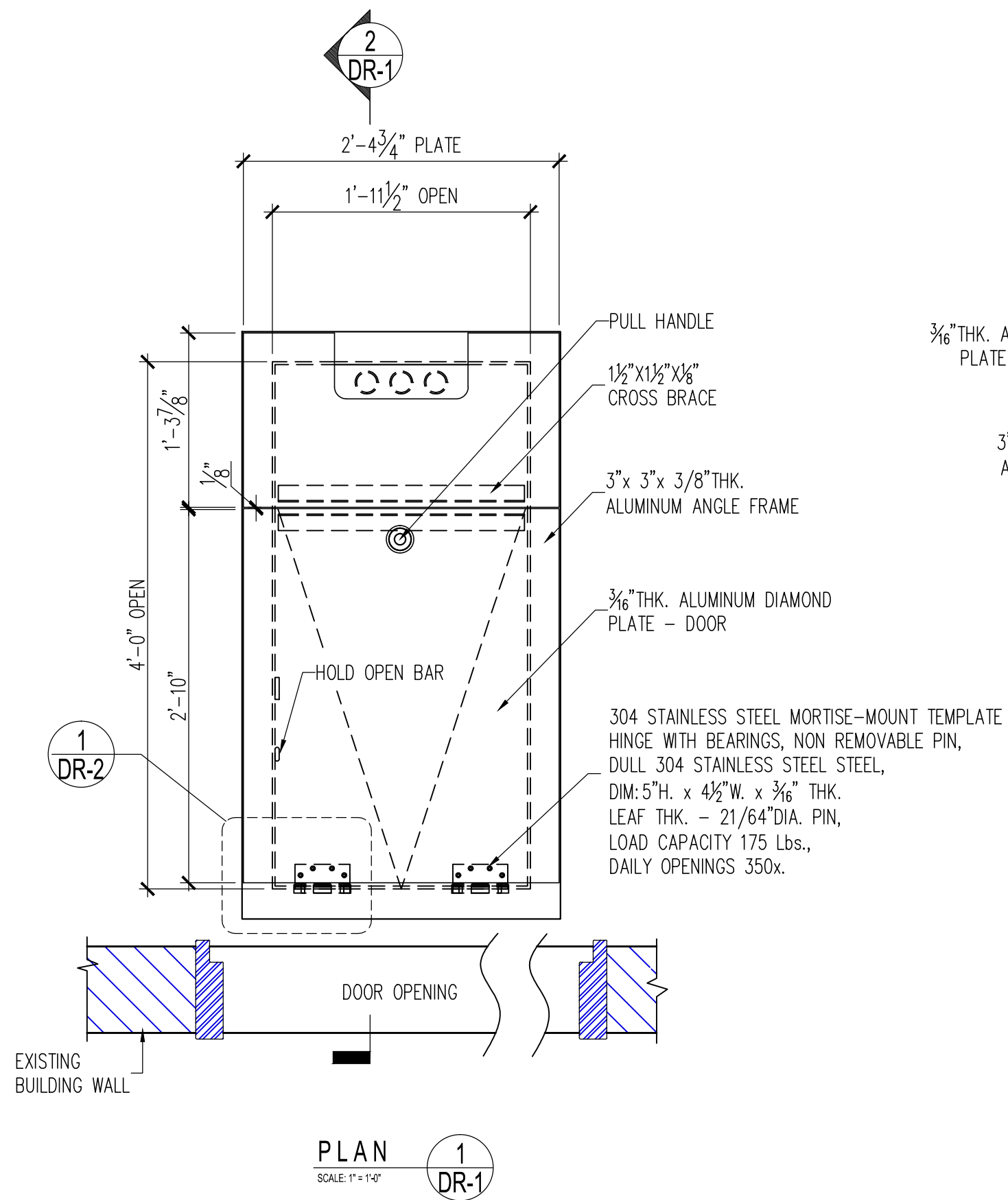
Indoor Air Sampling Log (Driveway)			
Job #	10337422		
Client	Lycee Francais de New York (LFNY)		
Date	10/11/2022 (Tuesday; camp is in session this week)		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Daphnie Sainvilus, HDR		
Sample ID	Driveway-10-11-22		
Sample Location	Site driveway, underneath basketball hoops. Raised up on a bench.		
Sample Intake Height	approx 3 ft (on bench)		
Equipment	6-L summa with 8-hr regulator		
Canister	4307		
Regulator	6561		
Batch Cert ID:	2690-52579		
Time	Vacuum	Temperature (F)	Humidity
8:09	-30	57	61.40%
8:11	4	Sample collection completed.	
Comments	Gauge improperly tightened, vacuum released. Grab sample.		

Indoor Air Sampling Log (Hallway)			
Job #	10337422		
Client	Lycee Francais de New York (LFNY)		
Date	10/11/2022 (Tuesday; camp is in session this week)		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Daphnie Sainvilus, HDR		
Sample ID	LL2 Hallway-10-11-22		
Sample Location	LL2 - mid hallway between N. gym and S. gym		
Sample Intake Height	approx 3 ft (placed on bench)		
Equipment	6-L summa canister with 8-hr regulator		
Canister	2523		
Regulator	6560		
Batch Cert ID	5047-52578		
Time	Vacuum	Temperature (F)	Humidity
9:10	-24	71.9	45%
10:01	-22		
11:07	-19		
11:58	-16		
12:58	-14		
13:56	-11		
14:54	-8	72.3	40.8
15:45	-5	Sample collection completed.	
Comments	Summa canister placed on a bench in the center of the hallway.		
	Maintenance cart was present at the end of the hallway from 11 am to 1 pm. Chlorox products, glass cleaner and stainless steel cleaners were on the cart. No odors noted.		

Appendix C

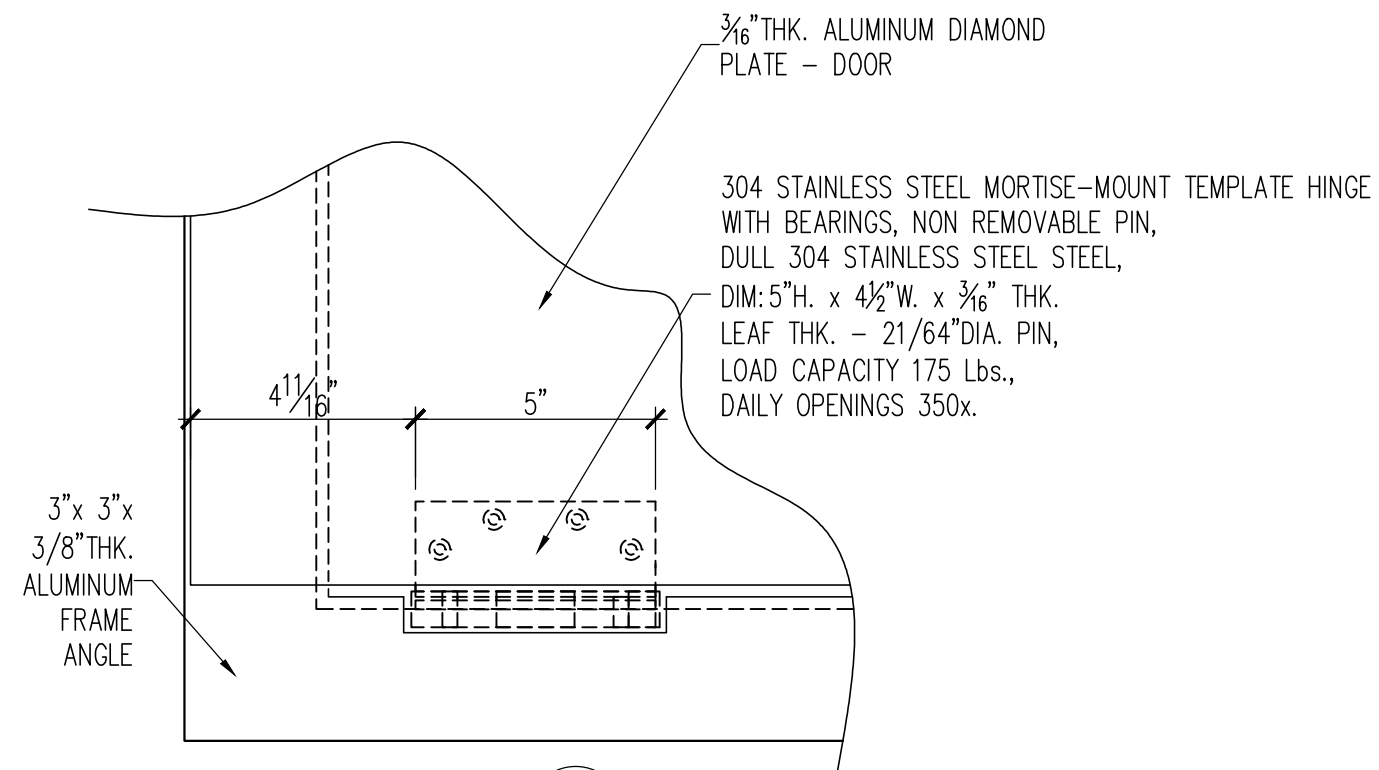
Sump Room Pit Aluminum Cover Plan

Installed August 2021

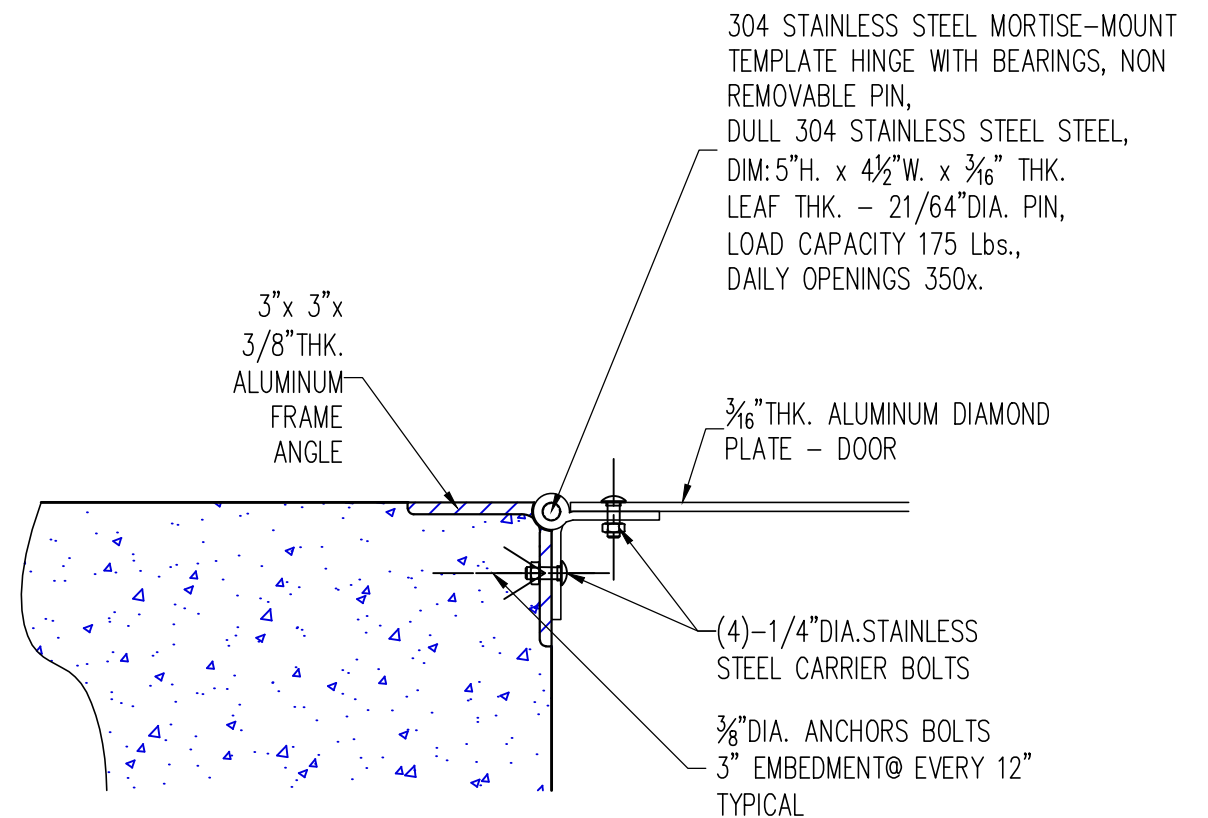


NOTES:
1-ALL DIMENSIONS VERIFIED IN THE FIELD.

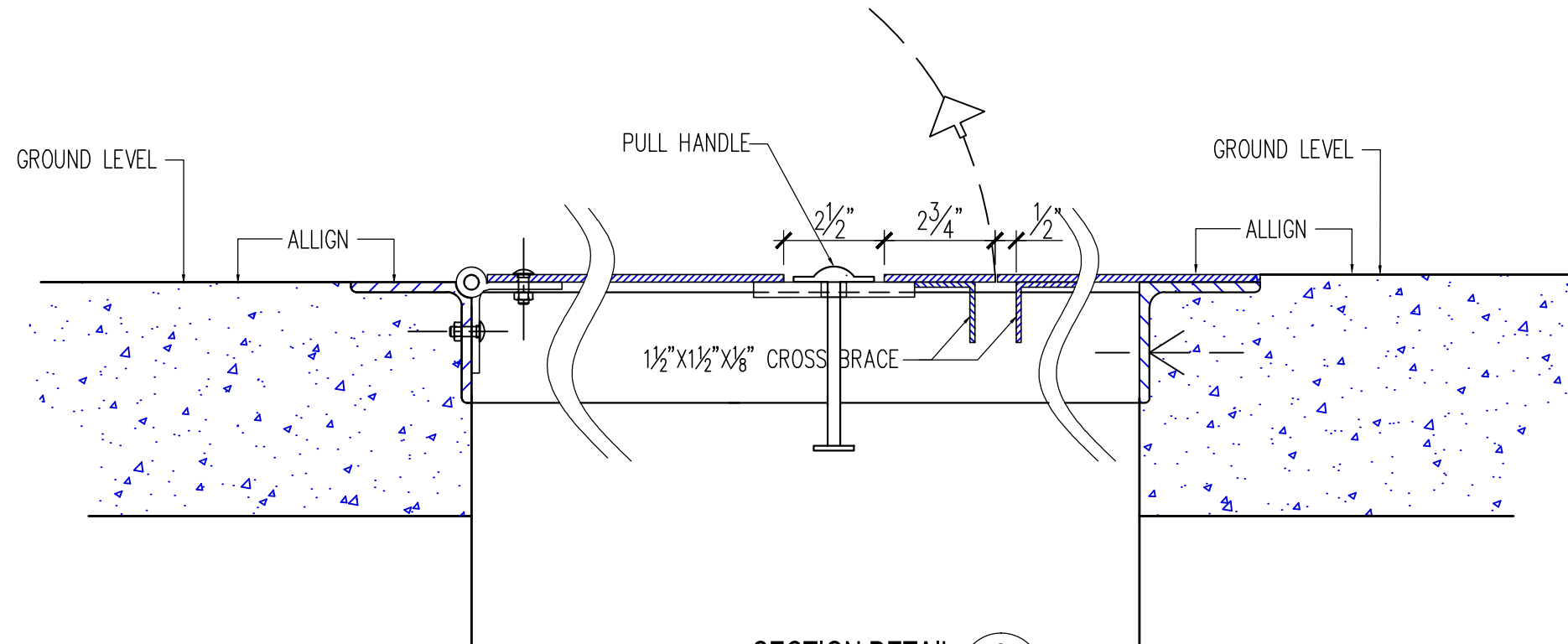
UNIVERSAL STEEL FABRICATOR, INC.			
90 JUNIUS ST, BROOKLYN, NY. 11212 TEL.: 718-342-0782 FAX: 718-342-0382			
GENERAL CONTRACTOR	LYCEE FRANCAIS DE NEW YORK		
JOB ADDRESS	LYCEE FRANCAIS DE NEW YORK 501 75TH STREET MANHATTAN NY		
DWG. TITLE	PIT OPENING ALUMINUM DIAMOND PLATE COVER PLAN & SEC.		
DWG. NO.	USF-P	DR-1	REV.0 8/13/21



DETAIL 1
SCALE: 1" = 1'-0"
DR-2



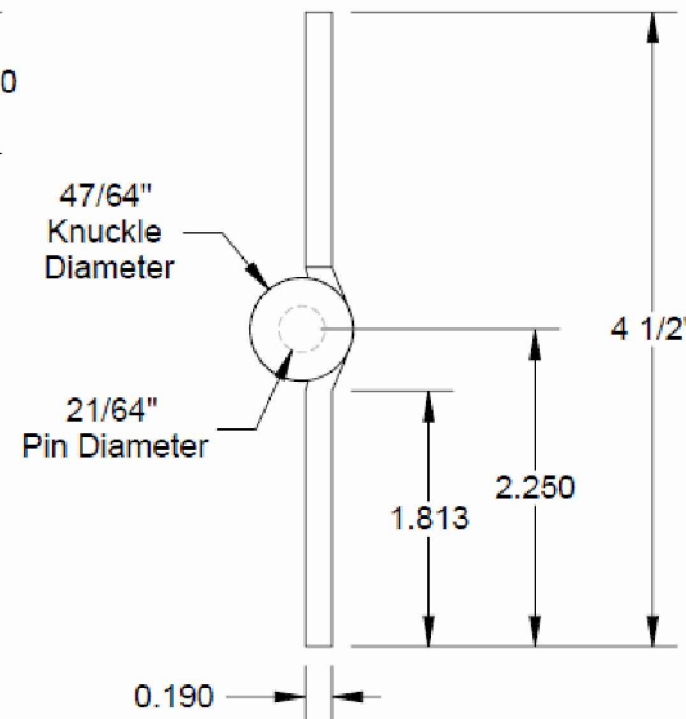
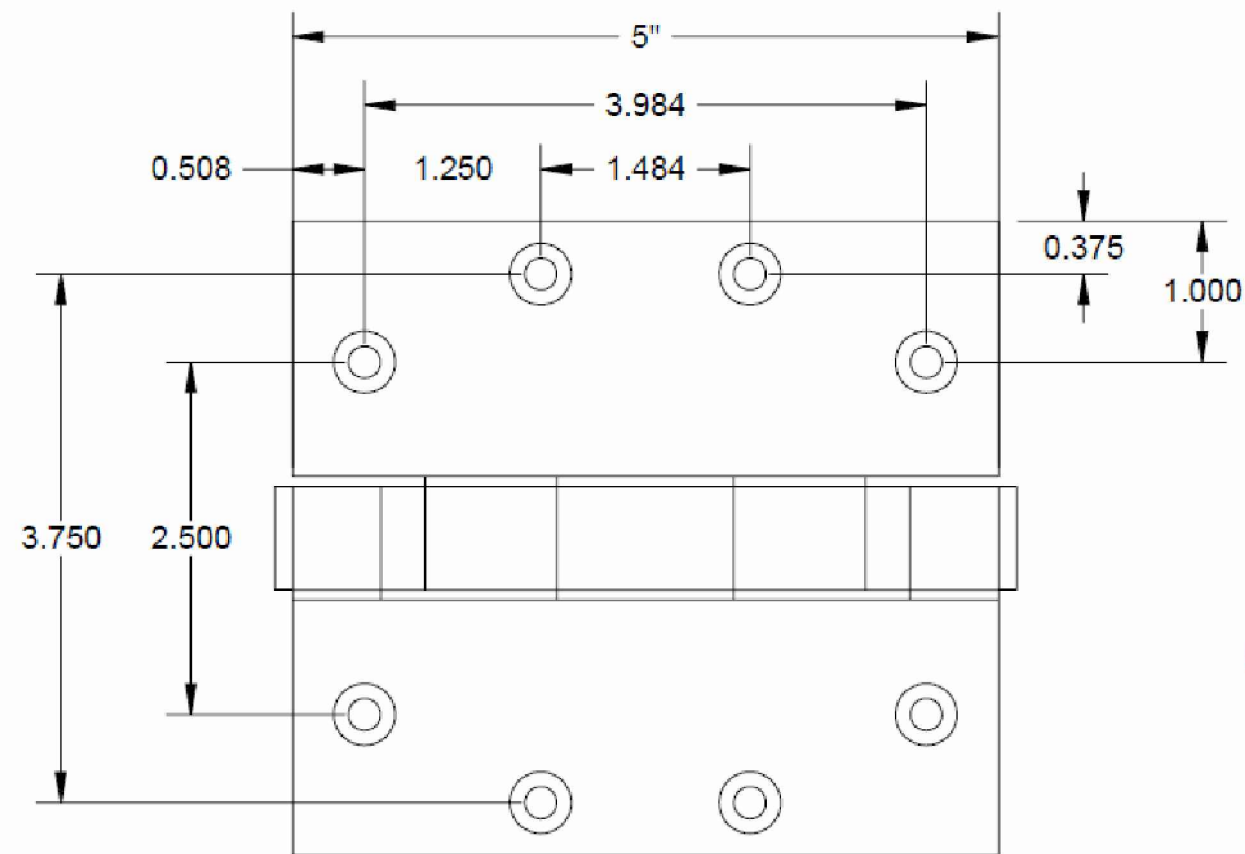
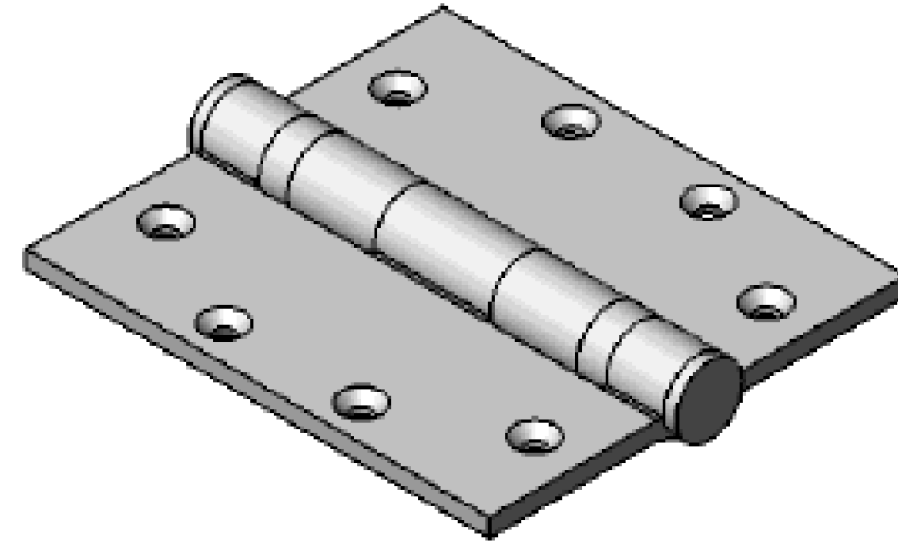
DETAIL 2
SCALE: 1" = 1'-0"
DR-2



SECTION DETAIL 3
SCALE: 1" = 1'-0"
DR-2

NOTES:
1-ALL DIMENSIONS VERIFIED IN THE FIELD.

UNIVERSAL STEEL FABRICATOR, INC.			
90 JUNIUS ST, BROOKLYN, NY. 11212 TEL.: 718-342-0782 FAX: 718-342-0382			
GENERAL CONTRACTOR	LYCEE FRANCAIS DE NEW YORK		
JOB ADDRESS	LYCEE FRANCAIS DE NEW YORK 501 75TH STREET MANHATTAN NY		
DWG. TITLE	PIT OPENING ALUMINUM DIAMOND PLATE COVER DETAILS		
DWG. NO.	USF-P	DR-2	REV.0 8/13/21



MORTISE- MOUNT TEMPLATE HINGE

304 STAINLESS STEEL MORTISE-MOUNT TEMPLATE HINGE WITH BEARINGS, NON REMOVABLE PIN, DULL 304 STAINLESS STEEL STEEL, DIM: 5"H. x 4 1/2"W. x 3/16" THK. LEAF THICKNESS. - 21/64"DIA. PIN, LOAD CAPACITY 175 Lbs. DAILY OPENINGS 350x.

HINGES DETAIL

SCALE: NTS

1

DR-3

UNIVERSAL STEEL FABRICATOR, INC.

90 JUNIUS ST, BROOKLYN, NY. 11212
TEL.: 718-342-0782 FAX: 718-342-0382

GENERAL CONTRACTOR	LYCEE FRANCAIS DE NEW YORK		
JOB ADDRESS	LYCEE FRANCAIS DE NEW YORK 501 75TH STREET MANHATTAN NY		
DWG. TITLE	PIT OPENING ALUMINUM DIAMOND PLATE COVER HINGES DETAILS		
DWG. NO.	USF-P	DR-3	REV.0 8/13/21

APPENDIX D

LABORATORY REPORTS

ANALYTICAL REPORT

Job Number: 200-59052-1

SDG Number: 200-59052-1

Job Description: LFNY

For:

HDR Inc

404 Airport Executive Park

Nanuet, NY 10954

Attention: Mike Musso



Approved for release.
Kathryn A Kelly
Project Manager II
6/29/2021 2:57 PM

Kathryn A Kelly, Project Manager II
530 Community Drive, South Burlington, VT, 05403
(802)923-1021
Kathryn.Kelly@Eurofinset.com
06/29/2021

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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

CASE NARRATIVE

Client: HDR Inc

Project: LFNY

Report Number: 200-59052-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/25/2021; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Sample LL2-PUMP ROOM-06-24-2021 was analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 06/25/2021.

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

Detection Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Client Sample ID: LL2-PUMP ROOM-06-24-2021

Lab Sample ID: 200-59052-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	4.7		0.037	0.024	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	12		0.20	0.027	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	25		0.20	0.13	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	85		1.4	0.18	ug/m3	1			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Client Sample Results

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Client Sample ID: LL2-PUMP ROOM-06-24-2021

Lab Sample ID: 200-59052-1

Date Collected: 06/24/21 15:58

Matrix: Air

Date Received: 06/25/21 10:45

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	4.7		0.037	0.024	ppb v/v			06/25/21 16:33	1
Tetrachloroethene	12		0.20	0.027	ppb v/v			06/25/21 16:33	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	25		0.20	0.13	ug/m3			06/25/21 16:33	1
Tetrachloroethene	85		1.4	0.18	ug/m3			06/25/21 16:33	1

Default Detection Limits

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	RL	MDL	Units
Tetrachloroethene	0.20	0.027	ppb v/v
Tetrachloroethene	1.4	0.18	ug/m3
Trichloroethene	0.037	0.024	ppb v/v
Trichloroethene	0.20	0.13	ug/m3

QC Sample Results

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-168404/4
Matrix: Air
Analysis Batch: 168404

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.037	U	0.037	0.024	ppb v/v			06/25/21 10:12	1
Tetrachloroethene	0.20	U	0.20	0.027	ppb v/v			06/25/21 10:12	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.13	ug/m3			06/25/21 10:12	1
Tetrachloroethene	1.4	U	1.4	0.18	ug/m3			06/25/21 10:12	1

Lab Sample ID: LCS 200-168404/3
Matrix: Air
Analysis Batch: 168404

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	10.3	9.73		ppb v/v		95	73 - 122
Tetrachloroethene	10.5	7.59		ppb v/v		73	70 - 125
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	55	52.3		ug/m3		95	73 - 122
Tetrachloroethene	71	51.5		ug/m3		73	70 - 125

QC Association Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Air - GC/MS VOA

Analysis Batch: 168404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-59052-1	LL2-PUMP ROOM-06-24-2021	Total/NA	Air	TO-15	
MB 200-168404/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-168404/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Client Sample ID: LL2-PUMP ROOM-06-24-2021

Lab Sample ID: 200-59052-1

Date Collected: 06/24/21 15:58

Matrix: Air

Date Received: 06/25/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	168404	06/25/21 16:33	A1B	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Laboratory: Eurofins TestAmerica, Burlington

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

Method Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-59052-1	LL2-PUMP ROOM-06-24-2021	Air	06/24/21 15:58	06/25/21 10:45	Air Canister (6-Liter) #5609

Quantitation Limit Exceptions Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-59052-1
SDG: 200-59052-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
TO-15	Trichloroethene	Air	Total/NA	ppb v/v	0.037	0.20

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Instrument ID: CHC.i Analysis Batch Number: 167921

Lab Sample ID: IC 200-167921/3 Client Sample ID:

Date Analyzed: 06/14/21 15:44 Lab File ID: 46375-03.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	9.32	Incomplete Integration	phamvu	06/15/21 09:02

Lab Sample ID: IC 200-167921/4 Client Sample ID:

Date Analyzed: 06/14/21 16:39 Lab File ID: 46375-04.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane	10.19	Incomplete Integration	phamvu	06/15/21 09:04
Cyclohexane	10.19	Incomplete Integration	phamvu	06/15/21 09:04
Bromodichloromethane	13.27	Incomplete Integration	phamvu	06/15/21 09:04
Styrene	19.14	Incomplete Integration	phamvu	06/15/21 09:05

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00229	07/13/21	05/24/21	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00189	155 mL	1,1,1-Trichloroethane	0.204248 ppb v/v
							1,1,2,2-Tetrachloroethane	0.207255 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.210261 ppb v/v
							1,1,2-Trichloroethane	0.210061 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.206052 ppb v/v
							1,2,3-Trichlorobenzene	0.182801 ppb v/v
							1,2,3-Trichloropropane	0.212266 ppb v/v
							1,2,4-Trichlorobenzene	0.217677 ppb v/v
							1,2,4-Trimethylbenzene	0.208457 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.208658 ppb v/v
							1,2-Dichlorobenzene	0.209259 ppb v/v
							1,2-Dichloroethane	0.207655 ppb v/v
							1,2-Dichloropropane	0.206653 ppb v/v
							1,3,5-Trimethylbenzene	0.208257 ppb v/v
							1,3-Dichlorobenzene	0.212065 ppb v/v
							1,4-Dichlorobenzene	0.20986 ppb v/v
							1,4-Dioxane	0.212065 ppb v/v
							2-Butanone (MEK)	0.207255 ppb v/v
							2-Chlorotoluene	0.209259 ppb v/v
							2-Hexanone	0.200239 ppb v/v
							2-Methyl-2-propanol	0.216074 ppb v/v
							2-Methylbutane	0.209259 ppb v/v
							3-Chloro-1-propene	0.213468 ppb v/v
							4-Ethyltoluene	0.207054 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	0.206653 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.20525 ppb v/v
							Acetone	0.20525 ppb v/v
							Acetonitrile	0.198435 ppb v/v
							Acrolein	0.194827 ppb v/v
							Acrylonitrile	0.202645 ppb v/v
							Alpha Methyl Styrene	0.204448 ppb v/v
							Benzene	0.207054 ppb v/v
							Benzyl chloride	0.212065 ppb v/v
							Bromoform	0.206252 ppb v/v
							Bromomethane	0.206653 ppb v/v
							Butadiene	0.202845 ppb v/v
							Butane	0.207655 ppb v/v
							Carbon disulfide	0.203647 ppb v/v
							Carbon tetrachloride	0.203647 ppb v/v
							Chlorobenzene	0.210261 ppb v/v
							Chlorodibromomethane	0.194026 ppb v/v
							Chlorodifluoromethane	0.210061 ppb v/v
							Chloroethane	0.208257 ppb v/v
							Chloroform	0.202444 ppb v/v
							Chloromethane	0.21888 ppb v/v
							cis-1,2-Dichloroethene	0.202444 ppb v/v
							cis-1,3-Dichloropropene	0.208257 ppb v/v
							Cyclohexane	0.203446 ppb v/v
							Dibromomethane	0.206453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorobromomethane	0.211865 ppb v/v
							Dichlorodifluoromethane	0.209259 ppb v/v
							Dodecane	0.187612 ppb v/v
							Ethyl acetate	0.203045 ppb v/v
							Ethyl ether	0.202043 ppb v/v
							Ethylbenzene	0.204849 ppb v/v
							Ethylene Dibromide	0.212666 ppb v/v
							Hexachlorobutadiene	0.205651 ppb v/v
							Hexane	0.212266 ppb v/v
							Isooctane	0.20986 ppb v/v
							Isopropyl alcohol	0.204849 ppb v/v
							Isopropylbenzene	0.209059 ppb v/v
							m-Xylene & p-Xylene	0.412104 ppb v/v
							Methyl methacrylate	0.203647 ppb v/v
							Methyl tert-butyl ether	0.209459 ppb v/v
							Methylene Chloride	0.206052 ppb v/v
							n-Butanol	0.19142 ppb v/v
							n-Butylbenzene	0.208257 ppb v/v
							n-Decane	0.208858 ppb v/v
							n-Heptane	0.210662 ppb v/v
							n-Nonane	0.210061 ppb v/v
							n-Octane	0.207054 ppb v/v
							N-Propylbenzene	0.208457 ppb v/v
							Naphthalene	0.194827 ppb v/v
							o-Xylene	0.207655 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	0.203045 ppb v/v
							Propene	0.206854 ppb v/v
							sec-Butylbenzene	0.20966 ppb v/v
							Styrene	0.206854 ppb v/v
							tert-Butylbenzene	0.207655 ppb v/v
							Tetrachloroethene	0.210462 ppb v/v
							Tetrahydrofuran	0.200239 ppb v/v
							Toluene	0.203647 ppb v/v
							trans-1,2-Dichloroethene	0.204448 ppb v/v
							trans-1,3-Dichloropropene	0.198034 ppb v/v
							Trichloroethene	0.211063 ppb v/v
							Trichlorofluoromethane	0.211664 ppb v/v
							Undecane	0.20966 ppb v/v
							Vinyl acetate	0.208257 ppb v/v
							Vinyl bromide	0.208858 ppb v/v
							Vinyl chloride	0.208257 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00189	07/13/21	05/24/21	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00143	1546 mL	1,1,1-Trichloroethane	20.376 ppb v/v
							1,1,2,2-Tetrachloroethane	20.676 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	20.9759 ppb v/v
							1,1,2-Trichloroethane	20.9559 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	20.556 ppb v/v
							1,2,3-Trichlorobenzene	18.2365 ppb v/v
							1,2,3-Trichloropropane	21.1759 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	21.7158 ppb v/v
							1,2,4-Trimethylbenzene	20.796 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	20.816 ppb v/v
							1,2-Dichlorobenzene	20.8759 ppb v/v
							1,2-Dichloroethane	20.716 ppb v/v
							1,2-Dichloropropane	20.616 ppb v/v
							1,3,5-Trimethylbenzene	20.776 ppb v/v
							1,3-Dichlorobenzene	21.1559 ppb v/v
							1,4-Dichlorobenzene	20.9359 ppb v/v
							1,4-Dioxane	21.1559 ppb v/v
							2-Butanone (MEK)	20.676 ppb v/v
							2-Chlorotoluene	20.8759 ppb v/v
							2-Hexanone	19.9761 ppb v/v
							2-Methyl-2-propanol	21.5558 ppb v/v
							2-Methylbutane	20.8759 ppb v/v
							3-Chloro-1-propene	21.2959 ppb v/v
							4-Ethyltoluene	20.656 ppb v/v
							4-Isopropyltoluene	20.616 ppb v/v
							4-Methyl-2-pentanone (MIBK)	20.476 ppb v/v
							Acetone	20.476 ppb v/v
							Acetonitrile	19.7962 ppb v/v
							Acrolein	19.4362 ppb v/v
							Acrylonitrile	20.2161 ppb v/v
							Alpha Methyl Styrene	20.396 ppb v/v
							Benzene	20.656 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	21.1559 ppb v/v
							Bromoform	20.576 ppb v/v
							Bromomethane	20.616 ppb v/v
							Butadiene	20.2361 ppb v/v
							Butane	20.716 ppb v/v
							Carbon disulfide	20.3161 ppb v/v
							Carbon tetrachloride	20.3161 ppb v/v
							Chlorobenzene	20.9759 ppb v/v
							Chlorodibromomethane	19.3562 ppb v/v
							Chlorodifluoromethane	20.9559 ppb v/v
							Chloroethane	20.776 ppb v/v
							Chloroform	20.1961 ppb v/v
							Chloromethane	21.8358 ppb v/v
							cis-1,2-Dichloroethene	20.1961 ppb v/v
							cis-1,3-Dichloropropene	20.776 ppb v/v
							Cyclohexane	20.2961 ppb v/v
							Dibromomethane	20.596 ppb v/v
							Dichlorobromomethane	21.1359 ppb v/v
							Dichlorodifluoromethane	20.8759 ppb v/v
							Dodecane	18.7164 ppb v/v
							Ethyl acetate	20.2561 ppb v/v
							Ethyl ether	20.1561 ppb v/v
							Ethylbenzene	20.436 ppb v/v
							Ethylene Dibromide	21.2159 ppb v/v
							Hexachlorobutadiene	20.516 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	21.1759 ppb v/v
							Isooctane	20.9359 ppb v/v
							Isopropyl alcohol	20.436 ppb v/v
							Isopropylbenzene	20.856 ppb v/v
							m-Xylene & p-Xylene	41.112 ppb v/v
							Methyl methacrylate	20.3161 ppb v/v
							Methyl tert-butyl ether	20.8959 ppb v/v
							Methylene Chloride	20.556 ppb v/v
							n-Butanol	19.0963 ppb v/v
							n-Butylbenzene	20.776 ppb v/v
							n-Decane	20.836 ppb v/v
							n-Heptane	21.0159 ppb v/v
							n-Nonane	20.9559 ppb v/v
							n-Octane	20.656 ppb v/v
							N-Propylbenzene	20.796 ppb v/v
							Naphthalene	19.4362 ppb v/v
							o-Xylene	20.716 ppb v/v
							Pentane	20.2561 ppb v/v
							Propene	20.636 ppb v/v
							sec-Butylbenzene	20.9159 ppb v/v
							Styrene	20.636 ppb v/v
							tert-Butylbenzene	20.716 ppb v/v
							Tetrachloroethene	20.9959 ppb v/v
							Tetrahydrofuran	19.9761 ppb v/v
							Toluene	20.3161 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	20.396 ppb v/v
							trans-1,3-Dichloropropene	19.7562 ppb v/v
							Trichloroethene	21.0559 ppb v/v
							Trichlorofluoromethane	21.1159 ppb v/v
							Undecane	20.9159 ppb v/v
							Vinyl acetate	20.776 ppb v/v
							Vinyl bromide	20.836 ppb v/v
							Vinyl chloride	20.776 ppb v/v
					ATTO15EthCALw_00128	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00143	08/21/21	05/21/21	Nitrogen, Lot 13	15 L	ATTO15CALs_00042	3000 mL	1,1,1-Trichloroethane	203.8 ppb v/v
							1,1,2,2-Tetrachloroethane	206.8 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	209.8 ppb v/v
							1,1,2-Trichloroethane	209.6 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	205.6 ppb v/v
							1,2,3-Trichlorobenzene	182.4 ppb v/v
							1,2,3-Trichloropropane	211.8 ppb v/v
							1,2,4-Trichlorobenzene	217.2 ppb v/v
							1,2,4-Trimethylbenzene	208 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	208.2 ppb v/v
							1,2-Dichlorobenzene	208.8 ppb v/v
							1,2-Dichloroethane	207.2 ppb v/v
							1,2-Dichloropropane	206.2 ppb v/v
							1,3,5-Trimethylbenzene	207.8 ppb v/v
							1,3-Dichlorobenzene	211.6 ppb v/v
							1,4-Dichlorobenzene	209.4 ppb v/v
							1,4-Dioxane	211.6 ppb v/v
							2-Butanone (MEK)	206.8 ppb v/v
							2-Chlorotoluene	208.8 ppb v/v
							2-Hexanone	199.8 ppb v/v
							2-Methyl-2-propanol	215.6 ppb v/v
							2-Methylbutane	208.8 ppb v/v
							3-Chloro-1-propene	213 ppb v/v
							4-Ethyltoluene	206.6 ppb v/v
							4-Isopropyltoluene	206.2 ppb v/v
							4-Methyl-2-pentanone (MIBK)	204.8 ppb v/v
							Acetone	204.8 ppb v/v
							Acetonitrile	198 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	194.4 ppb v/v
							Acrylonitrile	202.2 ppb v/v
							Alpha Methyl Styrene	204 ppb v/v
							Benzene	206.6 ppb v/v
							Benzyl chloride	211.6 ppb v/v
							Bromoform	205.8 ppb v/v
							Bromomethane	206.2 ppb v/v
							Butadiene	202.4 ppb v/v
							Butane	207.2 ppb v/v
							Carbon disulfide	203.2 ppb v/v
							Carbon tetrachloride	203.2 ppb v/v
							Chlorobenzene	209.8 ppb v/v
							Chlorodibromomethane	193.6 ppb v/v
							Chlorodifluoromethane	209.6 ppb v/v
							Chloroethane	207.8 ppb v/v
							Chloroform	202 ppb v/v
							Chloromethane	218.4 ppb v/v
							cis-1,2-Dichloroethene	202 ppb v/v
							cis-1,3-Dichloropropene	207.8 ppb v/v
							Cyclohexane	203 ppb v/v
							Dibromomethane	206 ppb v/v
							Dichlorobromomethane	211.4 ppb v/v
							Dichlorodifluoromethane	208.8 ppb v/v
							Dodecane	187.2 ppb v/v
							Ethyl acetate	202.6 ppb v/v
							Ethyl ether	201.6 ppb v/v
							Ethylbenzene	204.4 ppb v/v
							Ethylene Dibromide	212.2 ppb v/v
							Hexachlorobutadiene	205.2 ppb v/v
							Hexane	211.8 ppb v/v
							Isooctane	209.4 ppb v/v
							Isopropyl alcohol	204.4 ppb v/v
							Isopropylbenzene	208.6 ppb v/v
							m-Xylene & p-Xylene	411.2 ppb v/v
							Methyl methacrylate	203.2 ppb v/v
							Methyl tert-butyl ether	209 ppb v/v
							Methylene Chloride	205.6 ppb v/v
							n-Butanol	191 ppb v/v
							n-Butylbenzene	207.8 ppb v/v
							n-Decane	208.4 ppb v/v
							n-Heptane	210.2 ppb v/v
							n-Nonane	209.6 ppb v/v
							n-Octane	206.6 ppb v/v
							N-Propylbenzene	208 ppb v/v
							Naphthalene	194.4 ppb v/v
							o-Xylene	207.2 ppb v/v
							Pentane	202.6 ppb v/v
							Propene	206.4 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	209.2 ppb v/v
							Styrene	206.4 ppb v/v
							tert-Butylbenzene	207.2 ppb v/v
							Tetrachloroethene	210 ppb v/v
							Tetrahydrofuran	199.8 ppb v/v
							Toluene	203.2 ppb v/v
							trans-1,2-Dichloroethene	204 ppb v/v
							trans-1,3-Dichloropropene	197.6 ppb v/v
							Trichloroethene	210.6 ppb v/v
							Trichlorofluoromethane	211.2 ppb v/v
							Undecane	209.2 ppb v/v
							Vinyl acetate	207.8 ppb v/v
							Vinyl bromide	208.4 ppb v/v
...ATTO15CALs_00042	12/13/21		Linde, Lot CC-237336		(Purchased Reagent)		Vinyl chloride	207.8 ppb v/v
							1,1,1-Trichloroethane	1.019 ppm v/v
							1,1,2,2-Tetrachloroethane	1.034 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1.049 ppm v/v
							1,1,2-Trichloroethane	1.048 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1.028 ppm v/v
							1,2,3-Trichlorobenzene	0.912 ppm v/v
							1,2,3-Trichloropropane	1.059 ppm v/v
							1,2,4-Trichlorobenzene	1.086 ppm v/v
							1,2,4-Trimethylbenzene	1.04 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.041 ppm v/v
							1,2-Dichlorobenzene	1.044 ppm v/v
							1,2-Dichloroethane	1.036 ppm v/v
							1,2-Dichloropropane	1.031 ppm v/v
							1,3,5-Trimethylbenzene	1.039 ppm v/v
							1,3-Dichlorobenzene	1.058 ppm v/v
							1,4-Dichlorobenzene	1.047 ppm v/v
							1,4-Dioxane	1.058 ppm v/v
							2-Butanone (MEK)	1.034 ppm v/v
							2-Chlorotoluene	1.044 ppm v/v
							2-Hexanone	0.999 ppm v/v
							2-Methyl-2-propanol	1.078 ppm v/v
							2-Methylbutane	1.044 ppm v/v
							3-Chloro-1-propene	1.065 ppm v/v
							4-Ethyltoluene	1.033 ppm v/v
							4-Isopropyltoluene	1.031 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1.024 ppm v/v
							Acetone	1.024 ppm v/v
							Acetonitrile	0.99 ppm v/v
							Acrolein	0.972 ppm v/v
							Acrylonitrile	1.011 ppm v/v
							Alpha Methyl Styrene	1.02 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	1.033 ppm v/v
							Benzyl chloride	1.058 ppm v/v
							Bromoform	1.029 ppm v/v
							Bromomethane	1.031 ppm v/v
							Butadiene	1.012 ppm v/v
							Butane	1.036 ppm v/v
							Carbon disulfide	1.016 ppm v/v
							Carbon tetrachloride	1.016 ppm v/v
							Chlorobenzene	1.049 ppm v/v
							Chlorodibromomethane	0.968 ppm v/v
							Chlorodifluoromethane	1.048 ppm v/v
							Chloroethane	1.039 ppm v/v
							Chloroform	1.01 ppm v/v
							Chloromethane	1.092 ppm v/v
							cis-1,2-Dichloroethene	1.01 ppm v/v
							cis-1,3-Dichloropropene	1.039 ppm v/v
							Cyclohexane	1.015 ppm v/v
							Dibromomethane	1.03 ppm v/v
							Dichlorobromomethane	1.057 ppm v/v
							Dichlorodifluoromethane	1.044 ppm v/v
							Dodecane	0.936 ppm v/v
							Ethyl acetate	1.013 ppm v/v
							Ethyl ether	1.008 ppm v/v
							Ethylbenzene	1.022 ppm v/v
							Ethylene Dibromide	1.061 ppm v/v
							Hexachlorobutadiene	1.026 ppm v/v
							Hexane	1.059 ppm v/v
							Isooctane	1.047 ppm v/v
							Isopropyl alcohol	1.022 ppm v/v
							Isopropylbenzene	1.043 ppm v/v
							m-Xylene & p-Xylene	2.056 ppm v/v
							Methyl methacrylate	1.016 ppm v/v
							Methyl tert-butyl ether	1.045 ppm v/v
							Methylene Chloride	1.028 ppm v/v
							n-Butanol	0.955 ppm v/v
							n-Butylbenzene	1.039 ppm v/v
							n-Decane	1.042 ppm v/v
							n-Heptane	1.051 ppm v/v
							n-Nonane	1.048 ppm v/v
							n-Octane	1.033 ppm v/v
							N-Propylbenzene	1.04 ppm v/v
							Naphthalene	0.972 ppm v/v
							o-Xylene	1.036 ppm v/v
							Pentane	1.013 ppm v/v
							Propene	1.032 ppm v/v
							sec-Butylbenzene	1.046 ppm v/v
							Styrene	1.032 ppm v/v
							tert-Butylbenzene	1.036 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	1.05 ppm v/v
							Tetrahydrofuran	0.999 ppm v/v
							Toluene	1.016 ppm v/v
							trans-1,2-Dichloroethene	1.02 ppm v/v
							trans-1,3-Dichloropropene	0.988 ppm v/v
							Trichloroethene	1.053 ppm v/v
							Trichlorofluoromethane	1.056 ppm v/v
							Undecane	1.046 ppm v/v
							Vinyl acetate	1.039 ppm v/v
							Vinyl bromide	1.042 ppm v/v
							Vinyl chloride	1.039 ppm v/v
..ATTO15EthCALw_00128	07/13/21	05/13/21	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00009	09/05/21		Chem Service, Lot 5301900		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00765	07/13/21	05/24/21	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00143	773 mL	1,1,1-Trichloroethane	10.188 ppb v/v
							1,1,2,2-Tetrachloroethane	10.338 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	10.488 ppb v/v
							1,1,2-Trichloroethane	10.478 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	10.278 ppb v/v
							1,2,3-Trichlorobenzene	9.11823 ppb v/v
							1,2,3-Trichloropropane	10.5879 ppb v/v
							1,2,4-Trichlorobenzene	10.8579 ppb v/v
							1,2,4-Trimethylbenzene	10.398 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	10.408 ppb v/v
							1,2-Dichlorobenzene	10.438 ppb v/v
							1,2-Dichloroethane	10.358 ppb v/v
							1,2-Dichloropropane	10.308 ppb v/v
							1,3,5-Trimethylbenzene	10.388 ppb v/v
							1,3-Dichlorobenzene	10.5779 ppb v/v
							1,4-Dichlorobenzene	10.468 ppb v/v
							1,4-Dioxane	10.5779 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Butanone (MEK)	10.338 ppb v/v
							2-Chlorotoluene	10.438 ppb v/v
							2-Hexanone	9.98806 ppb v/v
							2-Methyl-2-propanol	10.7779 ppb v/v
							2-Methylbutane	10.438 ppb v/v
							3-Chloro-1-propene	10.6479 ppb v/v
							4-Ethyltoluene	10.328 ppb v/v
							4-Isopropyltoluene	10.308 ppb v/v
							4-Methyl-2-pentanone (MIBK)	10.238 ppb v/v
							Acetone	10.238 ppb v/v
							Acetonitrile	9.89808 ppb v/v
							Acrolein	9.71811 ppb v/v
							Acrylonitrile	10.108 ppb v/v
							Alpha Methyl Styrene	10.198 ppb v/v
							Benzene	10.328 ppb v/v
							Benzyl chloride	10.5779 ppb v/v
							Bromoform	10.288 ppb v/v
							Bromomethane	10.308 ppb v/v
							Butadiene	10.118 ppb v/v
							Butane	10.358 ppb v/v
							Carbon disulfide	10.158 ppb v/v
							Carbon tetrachloride	10.158 ppb v/v
							Chlorobenzene	10.488 ppb v/v
							Chlorodibromomethane	9.67812 ppb v/v
							Chlorodifluoromethane	10.478 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	10.388 ppb v/v
							Chloroform	10.098 ppb v/v
							Chloromethane	10.9179 ppb v/v
							cis-1,2-Dichloroethene	10.098 ppb v/v
							cis-1,3-Dichloropropene	10.388 ppb v/v
							Cyclohexane	10.148 ppb v/v
							Dibromomethane	10.298 ppb v/v
							Dichlorobromomethane	10.5679 ppb v/v
							Dichlorodifluoromethane	10.438 ppb v/v
							Dodecane	9.35818 ppb v/v
							Ethyl acetate	10.128 ppb v/v
							Ethyl ether	10.078 ppb v/v
							Ethylbenzene	10.218 ppb v/v
							Ethylene Dibromide	10.6079 ppb v/v
							Hexachlorobutadiene	10.258 ppb v/v
							Hexane	10.5879 ppb v/v
							Isooctane	10.468 ppb v/v
							Isopropyl alcohol	10.218 ppb v/v
							Isopropylbenzene	10.428 ppb v/v
							m-Xylene & p-Xylene	20.556 ppb v/v
							Methyl methacrylate	10.158 ppb v/v
							Methyl tert-butyl ether	10.448 ppb v/v
							Methylene Chloride	10.278 ppb v/v
							n-Butanol	9.54815 ppb v/v
							n-Butylbenzene	10.388 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	10.418 ppb v/v
							n-Heptane	10.508 ppb v/v
							n-Nonane	10.478 ppb v/v
							n-Octane	10.328 ppb v/v
							N-Propylbenzene	10.398 ppb v/v
							Naphthalene	9.71811 ppb v/v
							o-Xylene	10.358 ppb v/v
							Pentane	10.128 ppb v/v
							Propene	10.318 ppb v/v
							sec-Butylbenzene	10.458 ppb v/v
							Styrene	10.318 ppb v/v
							tert-Butylbenzene	10.358 ppb v/v
							Tetrachloroethene	10.498 ppb v/v
							Tetrahydrofuran	9.98806 ppb v/v
							Toluene	10.158 ppb v/v
							trans-1,2-Dichloroethene	10.198 ppb v/v
							trans-1,3-Dichloropropene	9.87808 ppb v/v
							Trichloroethene	10.528 ppb v/v
							Trichlorofluoromethane	10.558 ppb v/v
							Undecane	10.458 ppb v/v
							Vinyl acetate	10.388 ppb v/v
							Vinyl bromide	10.418 ppb v/v
							Vinyl chloride	10.388 ppb v/v
					ATTO15EthCALw_00128	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00143	08/21/21	05/21/21	Nitrogen, Lot 13	15 L	ATTO15CALs_00042	3000 mL	1,1,1-Trichloroethane	203.8 ppb v/v
							1,1,2,2-Tetrachloroethane	206.8 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	209.8 ppb v/v
							1,1,2-Trichloroethane	209.6 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	205.6 ppb v/v
							1,2,3-Trichlorobenzene	182.4 ppb v/v
							1,2,3-Trichloropropane	211.8 ppb v/v
							1,2,4-Trichlorobenzene	217.2 ppb v/v
							1,2,4-Trimethylbenzene	208 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	208.2 ppb v/v
							1,2-Dichlorobenzene	208.8 ppb v/v
							1,2-Dichloroethane	207.2 ppb v/v
							1,2-Dichloropropane	206.2 ppb v/v
							1,3,5-Trimethylbenzene	207.8 ppb v/v
							1,3-Dichlorobenzene	211.6 ppb v/v
							1,4-Dichlorobenzene	209.4 ppb v/v
							1,4-Dioxane	211.6 ppb v/v
							2-Butanone (MEK)	206.8 ppb v/v
							2-Chlorotoluene	208.8 ppb v/v
							2-Hexanone	199.8 ppb v/v
							2-Methyl-2-propanol	215.6 ppb v/v
							2-Methylbutane	208.8 ppb v/v
							3-Chloro-1-propene	213 ppb v/v
							4-Ethyltoluene	206.6 ppb v/v
							4-Isopropyltoluene	206.2 ppb v/v
							4-Methyl-2-pentanone (MIBK)	204.8 ppb v/v
							Acetone	204.8 ppb v/v
							Acetonitrile	198 ppb v/v
							Acrolein	194.4 ppb v/v
							Acrylonitrile	202.2 ppb v/v
							Alpha Methyl Styrene	204 ppb v/v
							Benzene	206.6 ppb v/v
							Benzyl chloride	211.6 ppb v/v
							Bromoform	205.8 ppb v/v
							Bromomethane	206.2 ppb v/v
							Butadiene	202.4 ppb v/v
							Butane	207.2 ppb v/v
							Carbon disulfide	203.2 ppb v/v
							Carbon tetrachloride	203.2 ppb v/v
							Chlorobenzene	209.8 ppb v/v
							Chlorodibromomethane	193.6 ppb v/v
							Chlorodifluoromethane	209.6 ppb v/v
							Chloroethane	207.8 ppb v/v
							Chloroform	202 ppb v/v
							Chloromethane	218.4 ppb v/v
							cis-1,2-Dichloroethene	202 ppb v/v
							cis-1,3-Dichloropropene	207.8 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	203 ppb v/v
							Dibromomethane	206 ppb v/v
							Dichlorobromomethane	211.4 ppb v/v
							Dichlorodifluoromethane	208.8 ppb v/v
							Dodecane	187.2 ppb v/v
							Ethyl acetate	202.6 ppb v/v
							Ethyl ether	201.6 ppb v/v
							Ethylbenzene	204.4 ppb v/v
							Ethylene Dibromide	212.2 ppb v/v
							Hexachlorobutadiene	205.2 ppb v/v
							Hexane	211.8 ppb v/v
							Isooctane	209.4 ppb v/v
							Isopropyl alcohol	204.4 ppb v/v
							Isopropylbenzene	208.6 ppb v/v
							m-Xylene & p-Xylene	411.2 ppb v/v
							Methyl methacrylate	203.2 ppb v/v
							Methyl tert-butyl ether	209 ppb v/v
							Methylene Chloride	205.6 ppb v/v
							n-Butanol	191 ppb v/v
							n-Butylbenzene	207.8 ppb v/v
							n-Decane	208.4 ppb v/v
							n-Heptane	210.2 ppb v/v
							n-Nonane	209.6 ppb v/v
							n-Octane	206.6 ppb v/v
							N-Propylbenzene	208 ppb v/v
							Naphthalene	194.4 ppb v/v
							o-Xylene	207.2 ppb v/v
							Pentane	202.6 ppb v/v
							Propene	206.4 ppb v/v
							sec-Butylbenzene	209.2 ppb v/v
							Styrene	206.4 ppb v/v
							tert-Butylbenzene	207.2 ppb v/v
							Tetrachloroethene	210 ppb v/v
							Tetrahydrofuran	199.8 ppb v/v
							Toluene	203.2 ppb v/v
							trans-1,2-Dichloroethene	204 ppb v/v
							trans-1,3-Dichloropropene	197.6 ppb v/v
							Trichloroethene	210.6 ppb v/v
							Trichlorofluoromethane	211.2 ppb v/v
							Undecane	209.2 ppb v/v
							Vinyl acetate	207.8 ppb v/v
							Vinyl bromide	208.4 ppb v/v
							Vinyl chloride	207.8 ppb v/v
..ATTO15CALs_00042	12/13/21		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1.019 ppm v/v
							1,1,2,2-Tetrachloroethane	1.034 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1.049 ppm v/v
							1,1,2-Trichloroethane	1.048 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1.028 ppm v/v
							1,2,3-Trichlorobenzene	0.912 ppm v/v
							1,2,3-Trichloropropane	1.059 ppm v/v
							1,2,4-Trichlorobenzene	1.086 ppm v/v
							1,2,4-Trimethylbenzene	1.04 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.041 ppm v/v
							1,2-Dichlorobenzene	1.044 ppm v/v
							1,2-Dichloroethane	1.036 ppm v/v
							1,2-Dichloropropane	1.031 ppm v/v
							1,3,5-Trimethylbenzene	1.039 ppm v/v
							1,3-Dichlorobenzene	1.058 ppm v/v
							1,4-Dichlorobenzene	1.047 ppm v/v
							1,4-Dioxane	1.058 ppm v/v
							2-Butanone (MEK)	1.034 ppm v/v
							2-Chlorotoluene	1.044 ppm v/v
							2-Hexanone	0.999 ppm v/v
							2-Methyl-2-propanol	1.078 ppm v/v
							2-Methylbutane	1.044 ppm v/v
							3-Chloro-1-propene	1.065 ppm v/v
							4-Ethyltoluene	1.033 ppm v/v
							4-Isopropyltoluene	1.031 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1.024 ppm v/v
							Acetone	1.024 ppm v/v
							Acetonitrile	0.99 ppm v/v
							Acrolein	0.972 ppm v/v
							Acrylonitrile	1.011 ppm v/v
							Alpha Methyl Styrene	1.02 ppm v/v
							Benzene	1.033 ppm v/v
							Benzyl chloride	1.058 ppm v/v
							Bromoform	1.029 ppm v/v
							Bromomethane	1.031 ppm v/v
							Butadiene	1.012 ppm v/v
							Butane	1.036 ppm v/v
							Carbon disulfide	1.016 ppm v/v
							Carbon tetrachloride	1.016 ppm v/v
							Chlorobenzene	1.049 ppm v/v
							Chlorodibromomethane	0.968 ppm v/v
							Chlorodifluoromethane	1.048 ppm v/v
							Chloroethane	1.039 ppm v/v
							Chloroform	1.01 ppm v/v
							Chloromethane	1.092 ppm v/v
							cis-1,2-Dichloroethene	1.01 ppm v/v
							cis-1,3-Dichloropropene	1.039 ppm v/v
							Cyclohexane	1.015 ppm v/v
							Dibromomethane	1.03 ppm v/v
							Dichlorobromomethane	1.057 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	1.044 ppm v/v
							Dodecane	0.936 ppm v/v
							Ethyl acetate	1.013 ppm v/v
							Ethyl ether	1.008 ppm v/v
							Ethylbenzene	1.022 ppm v/v
							Ethylene Dibromide	1.061 ppm v/v
							Hexachlorobutadiene	1.026 ppm v/v
							Hexane	1.059 ppm v/v
							Isooctane	1.047 ppm v/v
							Isopropyl alcohol	1.022 ppm v/v
							Isopropylbenzene	1.043 ppm v/v
							m-Xylene & p-Xylene	2.056 ppm v/v
							Methyl methacrylate	1.016 ppm v/v
							Methyl tert-butyl ether	1.045 ppm v/v
							Methylene Chloride	1.028 ppm v/v
							n-Butanol	0.955 ppm v/v
							n-Butylbenzene	1.039 ppm v/v
							n-Decane	1.042 ppm v/v
							n-Heptane	1.051 ppm v/v
							n-Nonane	1.048 ppm v/v
							n-Octane	1.033 ppm v/v
							N-Propylbenzene	1.04 ppm v/v
							Naphthalene	0.972 ppm v/v
							o-Xylene	1.036 ppm v/v
							Pentane	1.013 ppm v/v
							Propene	1.032 ppm v/v
							sec-Butylbenzene	1.046 ppm v/v
							Styrene	1.032 ppm v/v
							tert-Butylbenzene	1.036 ppm v/v
							Tetrachloroethene	1.05 ppm v/v
							Tetrahydrofuran	0.999 ppm v/v
							Toluene	1.016 ppm v/v
							trans-1,2-Dichloroethene	1.02 ppm v/v
							trans-1,3-Dichloropropene	0.988 ppm v/v
							Trichloroethene	1.053 ppm v/v
							Trichlorofluoromethane	1.056 ppm v/v
							Undecane	1.046 ppm v/v
							Vinyl acetate	1.039 ppm v/v
							Vinyl bromide	1.042 ppm v/v
							Vinyl chloride	1.039 ppm v/v
.ATTO15EthCALw_00128	07/13/21	05/13/21	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21		Chem Service, Lot 5301900		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00189	07/13/21	05/24/21	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00143	1546 mL	1,1,1-Trichloroethane	20.376 ppb v/v
							1,1,2,2-Tetrachloroethane	20.676 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	20.9759 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	20.9559 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	20.556 ppb v/v
							1,2,3-Trichlorobenzene	18.2365 ppb v/v
							1,2,3-Trichloropropane	21.1759 ppb v/v
							1,2,4-Trichlorobenzene	21.7158 ppb v/v
							1,2,4-Trimethylbenzene	20.796 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	20.816 ppb v/v
							1,2-Dichlorobenzene	20.8759 ppb v/v
							1,2-Dichloroethane	20.716 ppb v/v
							1,2-Dichloropropane	20.616 ppb v/v
							1,3,5-Trimethylbenzene	20.776 ppb v/v
							1,3-Dichlorobenzene	21.1559 ppb v/v
							1,4-Dichlorobenzene	20.9359 ppb v/v
							1,4-Dioxane	21.1559 ppb v/v
							2-Butanone (MEK)	20.676 ppb v/v
							2-Chlorotoluene	20.8759 ppb v/v
							2-Hexanone	19.9761 ppb v/v
							2-Methyl-2-propanol	21.5558 ppb v/v
							2-Methylbutane	20.8759 ppb v/v
							3-Chloro-1-propene	21.2959 ppb v/v
							4-Ethyltoluene	20.656 ppb v/v
							4-Isopropyltoluene	20.616 ppb v/v
							4-Methyl-2-pentanone (MIBK)	20.476 ppb v/v
							Acetone	20.476 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	19.7962 ppb v/v
							Acrolein	19.4362 ppb v/v
							Acrylonitrile	20.2161 ppb v/v
							Alpha Methyl Styrene	20.396 ppb v/v
							Benzene	20.656 ppb v/v
							Benzyl chloride	21.1559 ppb v/v
							Bromoform	20.576 ppb v/v
							Bromomethane	20.616 ppb v/v
							Butadiene	20.2361 ppb v/v
							Butane	20.716 ppb v/v
							Carbon disulfide	20.3161 ppb v/v
							Carbon tetrachloride	20.3161 ppb v/v
							Chlorobenzene	20.9759 ppb v/v
							Chlorodibromomethane	19.3562 ppb v/v
							Chlorodifluoromethane	20.9559 ppb v/v
							Chloroethane	20.776 ppb v/v
							Chloroform	20.1961 ppb v/v
							Chloromethane	21.8358 ppb v/v
							cis-1,2-Dichloroethene	20.1961 ppb v/v
							cis-1,3-Dichloropropene	20.776 ppb v/v
							Cyclohexane	20.2961 ppb v/v
							Dibromomethane	20.596 ppb v/v
							Dichlorobromomethane	21.1359 ppb v/v
							Dichlorodifluoromethane	20.8759 ppb v/v
							Dodecane	18.7164 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	20.2561 ppb v/v
							Ethyl ether	20.1561 ppb v/v
							Ethylbenzene	20.436 ppb v/v
							Ethylene Dibromide	21.2159 ppb v/v
							Hexachlorobutadiene	20.516 ppb v/v
							Hexane	21.1759 ppb v/v
							Isooctane	20.9359 ppb v/v
							Isopropyl alcohol	20.436 ppb v/v
							Isopropylbenzene	20.856 ppb v/v
							m-Xylene & p-Xylene	41.112 ppb v/v
							Methyl methacrylate	20.3161 ppb v/v
							Methyl tert-butyl ether	20.8959 ppb v/v
							Methylene Chloride	20.556 ppb v/v
							n-Butanol	19.0963 ppb v/v
							n-Butylbenzene	20.776 ppb v/v
							n-Decane	20.836 ppb v/v
							n-Heptane	21.0159 ppb v/v
							n-Nonane	20.9559 ppb v/v
							n-Octane	20.656 ppb v/v
							N-Propylbenzene	20.796 ppb v/v
							Naphthalene	19.4362 ppb v/v
							o-Xylene	20.716 ppb v/v
							Pentane	20.2561 ppb v/v
							Propene	20.636 ppb v/v
							sec-Butylbenzene	20.9159 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	20.636 ppb v/v
							tert-Butylbenzene	20.716 ppb v/v
							Tetrachloroethene	20.9959 ppb v/v
							Tetrahydrofuran	19.9761 ppb v/v
							Toluene	20.3161 ppb v/v
							trans-1,2-Dichloroethene	20.396 ppb v/v
							trans-1,3-Dichloropropene	19.7562 ppb v/v
							Trichloroethene	21.0559 ppb v/v
							Trichlorofluoromethane	21.1159 ppb v/v
							Undecane	20.9159 ppb v/v
							Vinyl acetate	20.776 ppb v/v
							Vinyl bromide	20.836 ppb v/v
							Vinyl chloride	20.776 ppb v/v
					ATTO15EthCALw_00128	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00143	08/21/21	05/21/21	Nitrogen, Lot 13	15 L	ATTO15CALs_00042	3000 mL	1,1,1-Trichloroethane	203.8 ppb v/v
							1,1,2,2-Tetrachloroethane	206.8 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	209.8 ppb v/v
							1,1,2-Trichloroethane	209.6 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	205.6 ppb v/v
							1,2,3-Trichlorobenzene	182.4 ppb v/v
							1,2,3-Trichloropropane	211.8 ppb v/v
							1,2,4-Trichlorobenzene	217.2 ppb v/v
							1,2,4-Trimethylbenzene	208 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	208.2 ppb v/v
							1,2-Dichlorobenzene	208.8 ppb v/v
							1,2-Dichloroethane	207.2 ppb v/v
							1,2-Dichloropropane	206.2 ppb v/v
							1,3,5-Trimethylbenzene	207.8 ppb v/v
							1,3-Dichlorobenzene	211.6 ppb v/v
							1,4-Dichlorobenzene	209.4 ppb v/v
							1,4-Dioxane	211.6 ppb v/v
							2-Butanone (MEK)	206.8 ppb v/v
							2-Chlorotoluene	208.8 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	199.8 ppb v/v
							2-Methyl-2-propanol	215.6 ppb v/v
							2-Methylbutane	208.8 ppb v/v
							3-Chloro-1-propene	213 ppb v/v
							4-Ethyltoluene	206.6 ppb v/v
							4-Isopropyltoluene	206.2 ppb v/v
							4-Methyl-2-pentanone (MIBK)	204.8 ppb v/v
							Acetone	204.8 ppb v/v
							Acetonitrile	198 ppb v/v
							Acrolein	194.4 ppb v/v
							Acrylonitrile	202.2 ppb v/v
							Alpha Methyl Styrene	204 ppb v/v
							Benzene	206.6 ppb v/v
							Benzyl chloride	211.6 ppb v/v
							Bromoform	205.8 ppb v/v
							Bromomethane	206.2 ppb v/v
							Butadiene	202.4 ppb v/v
							Butane	207.2 ppb v/v
							Carbon disulfide	203.2 ppb v/v
							Carbon tetrachloride	203.2 ppb v/v
							Chlorobenzene	209.8 ppb v/v
							Chlorodibromomethane	193.6 ppb v/v
							Chlorodifluoromethane	209.6 ppb v/v
							Chloroethane	207.8 ppb v/v
							Chloroform	202 ppb v/v
							Chloromethane	218.4 ppb v/v
							cis-1,2-Dichloroethene	202 ppb v/v
							cis-1,3-Dichloropropene	207.8 ppb v/v
							Cyclohexane	203 ppb v/v
							Dibromomethane	206 ppb v/v
							Dichlorobromomethane	211.4 ppb v/v
							Dichlorodifluoromethane	208.8 ppb v/v
							Dodecane	187.2 ppb v/v
							Ethyl acetate	202.6 ppb v/v
							Ethyl ether	201.6 ppb v/v
							Ethylbenzene	204.4 ppb v/v
							Ethylene Dibromide	212.2 ppb v/v
							Hexachlorobutadiene	205.2 ppb v/v
							Hexane	211.8 ppb v/v
							Isooctane	209.4 ppb v/v
							Isopropyl alcohol	204.4 ppb v/v
							Isopropylbenzene	208.6 ppb v/v
							m-Xylene & p-Xylene	411.2 ppb v/v
							Methyl methacrylate	203.2 ppb v/v
							Methyl tert-butyl ether	209 ppb v/v
							Methylene Chloride	205.6 ppb v/v
							n-Butanol	191 ppb v/v
							n-Butylbenzene	207.8 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	208.4 ppb v/v
							n-Heptane	210.2 ppb v/v
							n-Nonane	209.6 ppb v/v
							n-Octane	206.6 ppb v/v
							N-Propylbenzene	208 ppb v/v
							Naphthalene	194.4 ppb v/v
							o-Xylene	207.2 ppb v/v
							Pentane	202.6 ppb v/v
							Propene	206.4 ppb v/v
							sec-Butylbenzene	209.2 ppb v/v
							Styrene	206.4 ppb v/v
							tert-Butylbenzene	207.2 ppb v/v
							Tetrachloroethene	210 ppb v/v
							Tetrahydrofuran	199.8 ppb v/v
							Toluene	203.2 ppb v/v
							trans-1,2-Dichloroethene	204 ppb v/v
							trans-1,3-Dichloropropene	197.6 ppb v/v
							Trichloroethene	210.6 ppb v/v
							Trichlorofluoromethane	211.2 ppb v/v
							Undecane	209.2 ppb v/v
							Vinyl acetate	207.8 ppb v/v
							Vinyl bromide	208.4 ppb v/v
							Vinyl chloride	207.8 ppb v/v
..ATTO15CALs_00042	12/13/21		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1.019 ppm v/v
							1,1,2,2-Tetrachloroethane	1.034 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1.049 ppm v/v
							1,1,2-Trichloroethane	1.048 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1.028 ppm v/v
							1,2,3-Trichlorobenzene	0.912 ppm v/v
							1,2,3-Trichloropropane	1.059 ppm v/v
							1,2,4-Trichlorobenzene	1.086 ppm v/v
							1,2,4-Trimethylbenzene	1.04 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.041 ppm v/v
							1,2-Dichlorobenzene	1.044 ppm v/v
							1,2-Dichloroethane	1.036 ppm v/v
							1,2-Dichloropropane	1.031 ppm v/v
							1,3,5-Trimethylbenzene	1.039 ppm v/v
							1,3-Dichlorobenzene	1.058 ppm v/v
							1,4-Dichlorobenzene	1.047 ppm v/v
							1,4-Dioxane	1.058 ppm v/v
							2-Butanone (MEK)	1.034 ppm v/v
							2-Chlorotoluene	1.044 ppm v/v
							2-Hexanone	0.999 ppm v/v
							2-Methyl-2-propanol	1.078 ppm v/v
							2-Methylbutane	1.044 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloro-1-propene	1.065 ppm v/v
							4-Ethyltoluene	1.033 ppm v/v
							4-Isopropyltoluene	1.031 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1.024 ppm v/v
							Acetone	1.024 ppm v/v
							Acetonitrile	0.99 ppm v/v
							Acrolein	0.972 ppm v/v
							Acrylonitrile	1.011 ppm v/v
							Alpha Methyl Styrene	1.02 ppm v/v
							Benzene	1.033 ppm v/v
							Benzyl chloride	1.058 ppm v/v
							Bromoform	1.029 ppm v/v
							Bromomethane	1.031 ppm v/v
							Butadiene	1.012 ppm v/v
							Butane	1.036 ppm v/v
							Carbon disulfide	1.016 ppm v/v
							Carbon tetrachloride	1.016 ppm v/v
							Chlorobenzene	1.049 ppm v/v
							Chlorodibromomethane	0.968 ppm v/v
							Chlorodifluoromethane	1.048 ppm v/v
							Chloroethane	1.039 ppm v/v
							Chloroform	1.01 ppm v/v
							Chloromethane	1.092 ppm v/v
							cis-1,2-Dichloroethene	1.01 ppm v/v
							cis-1,3-Dichloropropene	1.039 ppm v/v
							Cyclohexane	1.015 ppm v/v
							Dibromomethane	1.03 ppm v/v
							Dichlorobromomethane	1.057 ppm v/v
							Dichlorodifluoromethane	1.044 ppm v/v
							Dodecane	0.936 ppm v/v
							Ethyl acetate	1.013 ppm v/v
							Ethyl ether	1.008 ppm v/v
							Ethylbenzene	1.022 ppm v/v
							Ethylene Dibromide	1.061 ppm v/v
							Hexachlorobutadiene	1.026 ppm v/v
							Hexane	1.059 ppm v/v
							Isooctane	1.047 ppm v/v
							Isopropyl alcohol	1.022 ppm v/v
							Isopropylbenzene	1.043 ppm v/v
							m-Xylene & p-Xylene	2.056 ppm v/v
							Methyl methacrylate	1.016 ppm v/v
							Methyl tert-butyl ether	1.045 ppm v/v
							Methylene Chloride	1.028 ppm v/v
							n-Butanol	0.955 ppm v/v
							n-Butylbenzene	1.039 ppm v/v
							n-Decane	1.042 ppm v/v
							n-Heptane	1.051 ppm v/v
							n-Nonane	1.048 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octane	1.033 ppm v/v
							N-Propylbenzene	1.04 ppm v/v
							Naphthalene	0.972 ppm v/v
							o-Xylene	1.036 ppm v/v
							Pentane	1.013 ppm v/v
							Propene	1.032 ppm v/v
							sec-Butylbenzene	1.046 ppm v/v
							Styrene	1.032 ppm v/v
							tert-Butylbenzene	1.036 ppm v/v
							Tetrachloroethene	1.05 ppm v/v
							Tetrahydrofuran	0.999 ppm v/v
							Toluene	1.016 ppm v/v
							trans-1,2-Dichloroethene	1.02 ppm v/v
							trans-1,3-Dichloropropene	0.988 ppm v/v
							Trichloroethene	1.053 ppm v/v
							Trichlorofluoromethane	1.056 ppm v/v
							Undecane	1.046 ppm v/v
.ATTO15EthCALw_00128	07/13/21	05/13/21	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21		Chem Service, Lot 5301900		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00106	07/13/21	05/24/21	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00143	3092 mL	1,1,1-Trichloroethane	40.7521 ppb v/v
							1,1,2,2-Tetrachloroethane	41.352 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	41.9519 ppb v/v
							1,1,2-Trichloroethane	41.9119 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	41.112 ppb v/v
							1,2,3-Trichlorobenzene	36.4729 ppb v/v
							1,2,3-Trichloropropane	42.3518 ppb v/v
							1,2,4-Trichlorobenzene	43.4316 ppb v/v
							1,2,4-Trimethylbenzene	41.5919 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	41.6319 ppb v/v
							1,2-Dichlorobenzene	41.7519 ppb v/v
							1,2-Dichloroethane	41.432 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	41.232 ppb v/v
							1,3,5-Trimethylbenzene	41.5519 ppb v/v
							1,3-Dichlorobenzene	42.3118 ppb v/v
							1,4-Dichlorobenzene	41.8719 ppb v/v
							1,4-Dioxane	42.3118 ppb v/v
							2-Butanone (MEK)	41.352 ppb v/v
							2-Chlorotoluene	41.7519 ppb v/v
							2-Hexanone	39.9522 ppb v/v
							2-Methyl-2-propanol	43.1116 ppb v/v
							2-Methylbutane	41.7519 ppb v/v
							3-Chloro-1-propene	42.5917 ppb v/v
							4-Ethyltoluene	41.312 ppb v/v
							4-Isopropyltoluene	41.232 ppb v/v
							4-Methyl-2-pentanone (MIBK)	40.9521 ppb v/v
							Acetone	40.9521 ppb v/v
							Acetonitrile	39.5923 ppb v/v
							Acrolein	38.8725 ppb v/v
							Acrylonitrile	40.4322 ppb v/v
							Alpha Methyl Styrene	40.7921 ppb v/v
							Benzene	41.312 ppb v/v
							Benzyl chloride	42.3118 ppb v/v
							Bromoform	41.152 ppb v/v
							Bromomethane	41.232 ppb v/v
							Butadiene	40.4721 ppb v/v
							Butane	41.432 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	40.6321 ppb v/v
							Carbon tetrachloride	40.6321 ppb v/v
							Chlorobenzene	41.9519 ppb v/v
							Chlorodibromomethane	38.7125 ppb v/v
							Chlorodifluoromethane	41.9119 ppb v/v
							Chloroethane	41.5519 ppb v/v
							Chloroform	40.3922 ppb v/v
							Chloromethane	43.6715 ppb v/v
							cis-1,2-Dichloroethene	40.3922 ppb v/v
							cis-1,3-Dichloropropene	41.5519 ppb v/v
							Cyclohexane	40.5921 ppb v/v
							Dibromomethane	41.192 ppb v/v
							Dichlorobromomethane	42.2718 ppb v/v
							Dichlorodifluoromethane	41.7519 ppb v/v
							Dodecane	37.4327 ppb v/v
							Ethyl acetate	40.5121 ppb v/v
							Ethyl ether	40.3122 ppb v/v
							Ethylbenzene	40.8721 ppb v/v
							Ethylene Dibromide	42.4318 ppb v/v
							Hexachlorobutadiene	41.032 ppb v/v
							Hexane	42.3518 ppb v/v
							Isooctane	41.8719 ppb v/v
							Isopropyl alcohol	40.8721 ppb v/v
							Isopropylbenzene	41.7119 ppb v/v
							m-Xylene & p-Xylene	82.224 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	40.6321 ppb v/v
							Methyl tert-butyl ether	41.7919 ppb v/v
							Methylene Chloride	41.112 ppb v/v
							n-Butanol	38.1926 ppb v/v
							n-Butylbenzene	41.5519 ppb v/v
							n-Decane	41.6719 ppb v/v
							n-Heptane	42.0318 ppb v/v
							n-Nonane	41.9119 ppb v/v
							n-Octane	41.312 ppb v/v
							N-Propylbenzene	41.5919 ppb v/v
							Naphthalene	38.8725 ppb v/v
							o-Xylene	41.432 ppb v/v
							Pentane	40.5121 ppb v/v
							Propene	41.272 ppb v/v
							sec-Butylbenzene	41.8319 ppb v/v
							Styrene	41.272 ppb v/v
							tert-Butylbenzene	41.432 ppb v/v
							Tetrachloroethene	41.9919 ppb v/v
							Tetrahydrofuran	39.9522 ppb v/v
							Toluene	40.6321 ppb v/v
							trans-1,2-Dichloroethene	40.7921 ppb v/v
							trans-1,3-Dichloropropene	39.5123 ppb v/v
							Trichloroethene	42.1118 ppb v/v
							Trichlorofluoromethane	42.2318 ppb v/v
							Undecane	41.8319 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	41.5519 ppb v/v
							Vinyl bromide	41.6719 ppb v/v
							Vinyl chloride	41.5519 ppb v/v
					ATTO15EthCALw_00128	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00143	08/21/21	05/21/21	Nitrogen, Lot 13	15 L	ATTO15CALs_00042	3000 mL	1,1,1-Trichloroethane	203.8 ppb v/v
							1,1,2,2-Tetrachloroethane	206.8 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	209.8 ppb v/v
							1,1,2-Trichloroethane	209.6 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	205.6 ppb v/v
							1,2,3-Trichlorobenzene	182.4 ppb v/v
							1,2,3-Trichloropropane	211.8 ppb v/v
							1,2,4-Trichlorobenzene	217.2 ppb v/v
							1,2,4-Trimethylbenzene	208 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	208.2 ppb v/v
							1,2-Dichlorobenzene	208.8 ppb v/v
							1,2-Dichloroethane	207.2 ppb v/v
							1,2-Dichloropropane	206.2 ppb v/v
							1,3,5-Trimethylbenzene	207.8 ppb v/v
							1,3-Dichlorobenzene	211.6 ppb v/v
							1,4-Dichlorobenzene	209.4 ppb v/v
							1,4-Dioxane	211.6 ppb v/v
							2-Butanone (MEK)	206.8 ppb v/v
							2-Chlorotoluene	208.8 ppb v/v
							2-Hexanone	199.8 ppb v/v
							2-Methyl-2-propanol	215.6 ppb v/v
							2-Methylbutane	208.8 ppb v/v
							3-Chloro-1-propene	213 ppb v/v
							4-Ethyltoluene	206.6 ppb v/v
							4-Isopropyltoluene	206.2 ppb v/v
							4-Methyl-2-pentanone (MIBK)	204.8 ppb v/v
							Acetone	204.8 ppb v/v
							Acetonitrile	198 ppb v/v
							Acrolein	194.4 ppb v/v
							Acrylonitrile	202.2 ppb v/v
							Alpha Methyl Styrene	204 ppb v/v
							Benzene	206.6 ppb v/v
							Benzyl chloride	211.6 ppb v/v
							Bromoform	205.8 ppb v/v
							Bromomethane	206.2 ppb v/v
							Butadiene	202.4 ppb v/v
							Butane	207.2 ppb v/v
							Carbon disulfide	203.2 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	203.2 ppb v/v
							Chlorobenzene	209.8 ppb v/v
							Chlorodibromomethane	193.6 ppb v/v
							Chlorodifluoromethane	209.6 ppb v/v
							Chloroethane	207.8 ppb v/v
							Chloroform	202 ppb v/v
							Chloromethane	218.4 ppb v/v
							cis-1,2-Dichloroethene	202 ppb v/v
							cis-1,3-Dichloropropene	207.8 ppb v/v
							Cyclohexane	203 ppb v/v
							Dibromomethane	206 ppb v/v
							Dichlorobromomethane	211.4 ppb v/v
							Dichlorodifluoromethane	208.8 ppb v/v
							Dodecane	187.2 ppb v/v
							Ethyl acetate	202.6 ppb v/v
							Ethyl ether	201.6 ppb v/v
							Ethylbenzene	204.4 ppb v/v
							Ethylene Dibromide	212.2 ppb v/v
							Hexachlorobutadiene	205.2 ppb v/v
							Hexane	211.8 ppb v/v
							Isooctane	209.4 ppb v/v
							Isopropyl alcohol	204.4 ppb v/v
							Isopropylbenzene	208.6 ppb v/v
							m-Xylene & p-Xylene	411.2 ppb v/v
							Methyl methacrylate	203.2 ppb v/v
							Methyl tert-butyl ether	209 ppb v/v
							Methylene Chloride	205.6 ppb v/v
							n-Butanol	191 ppb v/v
							n-Butylbenzene	207.8 ppb v/v
							n-Decane	208.4 ppb v/v
							n-Heptane	210.2 ppb v/v
							n-Nonane	209.6 ppb v/v
							n-Octane	206.6 ppb v/v
							N-Propylbenzene	208 ppb v/v
							Naphthalene	194.4 ppb v/v
							o-Xylene	207.2 ppb v/v
							Pentane	202.6 ppb v/v
							Propene	206.4 ppb v/v
							sec-Butylbenzene	209.2 ppb v/v
							Styrene	206.4 ppb v/v
							tert-Butylbenzene	207.2 ppb v/v
							Tetrachloroethene	210 ppb v/v
							Tetrahydrofuran	199.8 ppb v/v
							Toluene	203.2 ppb v/v
							trans-1,2-Dichloroethene	204 ppb v/v
							trans-1,3-Dichloropropene	197.6 ppb v/v
							Trichloroethene	210.6 ppb v/v
							Trichlorofluoromethane	211.2 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15CALs_00042	12/13/21		Linde, Lot CC-237336				Undecane	209.2 ppb v/v
							Vinyl acetate	207.8 ppb v/v
							Vinyl bromide	208.4 ppb v/v
							Vinyl chloride	207.8 ppb v/v
							1,1,1-Trichloroethane	1.019 ppm v/v
							1,1,2,2-Tetrachloroethane	1.034 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1.049 ppm v/v
							1,1,2-Trichloroethane	1.048 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1.028 ppm v/v
							1,2,3-Trichlorobenzene	0.912 ppm v/v
							1,2,3-Trichloropropane	1.059 ppm v/v
							1,2,4-Trichlorobenzene	1.086 ppm v/v
							1,2,4-Trimethylbenzene	1.04 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.041 ppm v/v
							1,2-Dichlorobenzene	1.044 ppm v/v
							1,2-Dichloroethane	1.036 ppm v/v
							1,2-Dichloropropane	1.031 ppm v/v
							1,3,5-Trimethylbenzene	1.039 ppm v/v
							1,3-Dichlorobenzene	1.058 ppm v/v
							1,4-Dichlorobenzene	1.047 ppm v/v
							1,4-Dioxane	1.058 ppm v/v
							2-Butanone (MEK)	1.034 ppm v/v
							2-Chlorotoluene	1.044 ppm v/v
							2-Hexanone	0.999 ppm v/v
							2-Methyl-2-propanol	1.078 ppm v/v
							2-Methylbutane	1.044 ppm v/v
							3-Chloro-1-propene	1.065 ppm v/v
							4-Ethyltoluene	1.033 ppm v/v
							4-Isopropyltoluene	1.031 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1.024 ppm v/v
							Acetone	1.024 ppm v/v
							Acetonitrile	0.99 ppm v/v
							Acrolein	0.972 ppm v/v
							Acrylonitrile	1.011 ppm v/v
							Alpha Methyl Styrene	1.02 ppm v/v
							Benzene	1.033 ppm v/v
							Benzyl chloride	1.058 ppm v/v
							Bromoform	1.029 ppm v/v
							Bromomethane	1.031 ppm v/v
							Butadiene	1.012 ppm v/v
							Butane	1.036 ppm v/v
							Carbon disulfide	1.016 ppm v/v
							Carbon tetrachloride	1.016 ppm v/v
							Chlorobenzene	1.049 ppm v/v
							Chlorodibromomethane	0.968 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodifluoromethane	1.048 ppm v/v
							Chloroethane	1.039 ppm v/v
							Chloroform	1.01 ppm v/v
							Chloromethane	1.092 ppm v/v
							cis-1,2-Dichloroethene	1.01 ppm v/v
							cis-1,3-Dichloropropene	1.039 ppm v/v
							Cyclohexane	1.015 ppm v/v
							Dibromomethane	1.03 ppm v/v
							Dichlorobromomethane	1.057 ppm v/v
							Dichlorodifluoromethane	1.044 ppm v/v
							Dodecane	0.936 ppm v/v
							Ethyl acetate	1.013 ppm v/v
							Ethyl ether	1.008 ppm v/v
							Ethylbenzene	1.022 ppm v/v
							Ethylene Dibromide	1.061 ppm v/v
							Hexachlorobutadiene	1.026 ppm v/v
							Hexane	1.059 ppm v/v
							Isooctane	1.047 ppm v/v
							Isopropyl alcohol	1.022 ppm v/v
							Isopropylbenzene	1.043 ppm v/v
							m-Xylene & p-Xylene	2.056 ppm v/v
							Methyl methacrylate	1.016 ppm v/v
							Methyl tert-butyl ether	1.045 ppm v/v
							Methylene Chloride	1.028 ppm v/v
							n-Butanol	0.955 ppm v/v
							n-Butylbenzene	1.039 ppm v/v
							n-Decane	1.042 ppm v/v
							n-Heptane	1.051 ppm v/v
							n-Nonane	1.048 ppm v/v
							n-Octane	1.033 ppm v/v
							N-Propylbenzene	1.04 ppm v/v
							Naphthalene	0.972 ppm v/v
							o-Xylene	1.036 ppm v/v
							Pentane	1.013 ppm v/v
							Propene	1.032 ppm v/v
							sec-Butylbenzene	1.046 ppm v/v
							Styrene	1.032 ppm v/v
							tert-Butylbenzene	1.036 ppm v/v
							Tetrachloroethene	1.05 ppm v/v
							Tetrahydrofuran	0.999 ppm v/v
							Toluene	1.016 ppm v/v
							trans-1,2-Dichloroethene	1.02 ppm v/v
							trans-1,3-Dichloropropene	0.988 ppm v/v
							Trichloroethene	1.053 ppm v/v
							Trichlorofluoromethane	1.056 ppm v/v
							Undecane	1.046 ppm v/v
							Vinyl acetate	1.039 ppm v/v
							Vinyl bromide	1.042 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1

SDG No.: 200-59052-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	1.039 ppm v/v
.ATTO15EthCALw_00128	07/13/21	05/13/21	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21		Chem Service, Lot 5301900		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CISs_00010							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Tentatively Identified Compound	
							Total Alkanes	
ATTO15CISs_00011							Xylenes, Total	
							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Tentatively Identified Compound	
ATTO15LCSW_00824	07/05/21	04/19/21	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00118	773 mL	Tetrachloroethene	10.468 ppb v/v
							Trichloroethene	10.288 ppb v/v
.ATTO15LCSSTKi_00118	07/16/21	04/16/21	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00043	7500 mL	Tetrachloroethene	209.4 ppb v/v
..ATTO15CALs_00043	12/14/21		Linde, Lot CC-133603		(Purchased Reagent)		Trichloroethene	205.8 ppb v/v
							Tetrachloroethene	1.047 ppm v/v
							Trichloroethene	1.029 ppm v/v

Reagent

ATTO15CALs_00042


Reagent ID: 40XX200tankD_00001

Description:	200ppb v/v Tank D Bur Recert	Expiration Date:	02/07/2021
No. of Bottles:	1	Laboratory:	Eurofins TestAmerica, Knoxville
Storage Location:	Ambient Air Canister Reagent Storage	Prepared By:	Barlozhetskaya, Anna F
Reagent Volume:	36.700 psi absolute	Solvent:	Nitrogen
Creation Date:	12/07/2020	Solvent Lot:	Dewar
Open Date:			
Container(s):	343746		
Comment:	Adjusted for nominal value of 200 ppb v/v can SN1652		

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
1,1,1-Trichloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1,2,2-Tetrachloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1,2-Trichloro-1,2,2-trifluoroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1,2-Trichloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1-Dichloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1-Dichloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2,3-Trichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2,3-Trichloropropane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2,4-Trichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2,4-Trimethylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2-Dichloro-1,1,2,2-tetrafluoroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2-Dichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2-Dichloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2-Dichloroethene, Total	40MXTANKDP_00008	11/25/2021	2.00000	ppm v/v	400.00000	ppb v/v
1,2-Dichloropropane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,3,5-Trimethylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,3-Dichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,4-Dichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
1,4-Dioxane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Butanone (MEK)	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Chlorotoluene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Hexanone	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Methyl-2-propanol	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Methylbutane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
3-Chloro-1-propene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
4-Ethyltoluene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
4-Isopropyltoluene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
4-Methyl-2-pentanone (MIBK)	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Acetone	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Acetonitrile	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Acrolein	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Acrylonitrile	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Alpha Methyl Styrene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Benzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Benzyl chloride	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Bromoform	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Bromomethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Butadiene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Butane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
C6 Range	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
C8 Range	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Carbon disulfide	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Carbon tetrachloride	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chlorodibromomethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chlorodifluoromethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chloroform	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chloromethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
cis-1,2-Dichloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
cis-1,3-Dichloropropene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Cyclohexane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Dibromomethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Dichlorobromomethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Dichlorodifluoromethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Dodecane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Ethyl acetate	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Ethyl ether	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Ethylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Ethylene Dibromide	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Hexachlorobutadiene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Hexane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Isooctane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Isopropyl alcohol	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Isopropylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Methyl methacrylate	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Methyl tert-butyl ether	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Methylene Chloride	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
m-Xylene & p-Xylene	40MXTANKDP_00008	11/25/2021	2.00000	ppm v/v	400.00000	ppb v/v
Naphthalene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Butanol	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Butylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
n-Decane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Heptane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Nonane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Octane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
N-Propylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
o-Xylene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Pentane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Propene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
sec-Butylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Styrene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
tert-Butylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Tetrachloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Tetrahydrofuran	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Toluene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Toluene Range	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
trans-1,2-Dichloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
trans-1,3-Dichloropropene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Trichloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Trichlorofluoromethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Undecane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Vinyl acetate	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Vinyl bromide	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Vinyl chloride	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Xylenes, Total	40MXTANKDP_00008	11/25/2021	3.00000	ppm v/v	600.00000	ppb v/v

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
40MXTANKDP_00008	Tank D Mega primary	ASTD	11/25/21	Linde	CC-118524	PO:US11382327	36.70000	psi abs

4700 Precision Diluter Standards Preparation Report

Date:12/7/2020 10:39:34 AM

Dilution ID:399

Canister Size:15000cc

Canister ID:SN# 1652

Comment:200 ppb v/v Burlington Recert

Report ID:343746

Prepared By:AFB

Target Final Psia:36.7

343746

ID: 40XX200tankID_00001

Exp: 02/07/21 Prod: AFB Crt: 12/8/20

200ppb v/v Tank D Bur Rec

Channel Methods

Ch.	Title	Init. Conc.	Target Conc.	Dilution Factor	Init. Psia	Target Psid	Final Psid	Target Psia	Final Psia	Duration	Final Conc.
1	Diluent	100 percent	100 percent	1	0.32	11.64	11.64	11.96	11.96	00:11:48	N/A
3	D Mega Pri	1000 ppb	200 ppb	5	11.96	7.28	7.28	19.24	19.24	00:19:34	200.1 ppb
1	Diluent	100 percent	100 percent	1	19.24	17.46	17.46	36.70	36.70	00:18:04	N/A

Total Duration: 00:49:33

Channel Configuration and Standards Inventory

Ch.	Source	Init. Conc.	Cylinder ID	Expiration Date	Notes
1	Diluent	100 percent		12/31/2021	
3	D Mega Pri	1000 ppb		11/25/2021	

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343163

 ID: 40000000000000000000
 Description: 1 Pcs. 100% O2, 100% N2
 Tank ID: 10000000000000000000

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 Knoxville, TN 37921

PAGE: 1 of 4

Tank D to 12/2/20

ANALYSIS REPORT

Sales#: 117401727
 Production#: 1523772
 Report Date: Nov-24-2020
 P.O.# : US113823280
 Blend Type: QUALIFIED
 Material#: 24106776
 Traceability: NIST by weight
 Expiration Date: Nov-24-2021
 Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
 Cylinder # : CC-118524
 Cylinder Pressure: 1700 psig
 Cylinder Valve: CGA 350 / Steel
 Cylinder Volume: 29.5 Liter
 Cylinder Material: Aluminum
 Gas Volume: 3400 Liters
 Blend Tolerance: 10% Relative
 Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.04 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.06 ppm
Freon-12	75-71-8	1.00 ppm	1.03 ppm
Chloromethane	74-87-3	1.00 ppm	1.04 ppm
Freon-114	76-14-2	1.00 ppm	1.03 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.04 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.04 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.81 ppm
n-Butane	106-97-8	1.00 ppm	1.06 ppm
Bromomethane	74-83-9	1.00 ppm	1.04 ppm
Chloroethane	75-00-3	1.00 ppm	1.04 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile (No Stability Guarantee)	75-05-8	1.00 ppm	1.00 ppm
Acrolein	107-02-8	1.00 ppm	0.99 ppm
Isopentane	78-78-4	1.00 ppm	1.03 ppm
Acetone	67-64-1	1.00 ppm	1.02 ppm
Freon-11	75-69-4	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	1.04 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.03 ppm
n-Pentane	109-66-0	1.00 ppm	1.04 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.03 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.05 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.10 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.03 ppm
Freon-113	76-13-1	1.00 ppm	1.03 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.04 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.03 ppm

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Knoxville, TN 37921

PAGE: 2 of 4

ANALYSIS REPORT

Sales#:	117401727	Cylinder Size:	152 (8" X 47.5")
Production#:	1523772	Cylinder # :	CC-118524
Report Date:	Nov-24-2020	Cylinder Pressure:	1700 psig
P.O.# :	US113823280	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Nov-24-2021	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.10 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.02 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.04 ppm
Hexane	110-54-3	1.00 ppm	1.03 ppm
Chloroform	67-66-3	1.00 ppm	1.04 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.04 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.02 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.03 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.03 ppm
Benzene	71-43-2	1.00 ppm	1.04 ppm
1-Butanol	71-36-3	1.00 ppm	0.92 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.02 ppm
Cyclohexane	110-82-7	1.00 ppm	1.03 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.00 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.00 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.00 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.04 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.02 ppm
Heptane	142-82-5	1.00 ppm	1.03 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.01 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.00 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.02 ppm
Toluene	108-88-3	1.00 ppm	1.02 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.00 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.04 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.04 ppm
n-Octane	111-65-9	1.00 ppm	1.01 ppm

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Knoxville, TN 37921

PAGE: 3 of 4

ANALYSIS REPORT

Sales#: 117401727
Production#: 1523772
Report Date: Nov-24-2020
P.O.# : US113823280
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Nov-24-2021
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-118524
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.05 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.01 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.01 ppm
p-xylene	106-42-3	1.00 ppm	1.00 ppm
m-xylene	108-38-3	1.00 ppm	1.01 ppm
Bromoform	75-25-2	1.00 ppm	1.01 ppm
Styrene	100-42-5	1.00 ppm	1.00 ppm
o-xylene	95-47-6	1.00 ppm	1.01 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.01 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.01 ppm
Nonane	111-84-2	1.00 ppm	1.02 ppm
Cumene	98-82-8	1.00 ppm	1.01 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.01 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.01 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.01 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.01 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	0.99 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.00 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.01 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.01 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.01 ppm
n-Decane	124-18-5	1.00 ppm	0.99 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.00 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.01 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.01 ppm
n-Undecane (No Stability Guarantee)	1120-21-4	1.00 ppm	1.00 ppm

THE LINDE GROUP

Linde

SHIPPED TO: Test America Inc.
5815 Middlebrook Pike
Knoxville, TN 37921

PAGE: 4 of 4

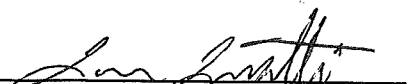
ANALYSIS REPORT

Sales#: 117401727
Production#: 1523772
Report Date: Nov-24-2020
P.O.# : US113823280
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Nov-24-2021
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-118524
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
1,2,4-Trichlorobenzene (No Stability Guarantee)	120-82-1	1.00 ppm	0.96 ppm
Naphthalene (No Stability Guarantee)	91-20-3	1.00 ppm	0.91 ppm
n-Dodecane (No Stability Guarantee)	112-40-3	1.00 ppm	0.90 ppm
1,2,3-Trichlorobenzene (No Stability Guarantee)	87-61-6	1.00 ppm	0.91 ppm
Hexachloro-1,3-Butadiene (No Stability Guarantee)	87-68-3	1.00 ppm	0.94 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST:


Lou Lorenzetti

DATE: Nov-24-2020

Preliminary Report

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-011.d
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 09-Dec-2020 16:44:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0043974-011
 Misc. Info.: standard 2
 Operator ID: ggg Instrument ID: CHW.i
 Sublist:

Method: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Dec-2020 11:23:00 Calib Date: 09-Dec-2020 14:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.944	3.960	-0.016	98	1602506	41.3	35.6	
2 Dichlorodifluoromethane	85	4.062	4.067	-0.005	100	4670083	41.8	34.9	
3 Chlorodifluoromethane	51	4.099	4.110	-0.011	97	2897855	41.9	35.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.468	4.468	0.000	97	4866433	41.6	36.6	
5 Chloromethane	50	4.559	4.559	0.000	99	1724699	43.7	35.6	
6 Vinyl chloride	62	4.896	4.896	0.000	98	1935747	41.6	35.5	
7 Butane	43	4.913	4.912	0.000	99	2858712	41.4	35.1	
8 Butadiene	54	5.030	5.030	0.000	97	1352486	40.5	34.3	
9 Bromomethane	94	5.763	5.763	0.000	99	1496511	41.2	37.2	
11 Chloroethane	64	6.057	6.052	0.005	100	855494	41.6	37.6	
10 BFB									
12 2-Methylbutane	43	6.282	6.277	0.005	93	1819562	41.8	36.8	
13 Vinyl bromide	106	6.496	6.491	0.005	99	1484915	41.7	38.0	
14 Trichlorofluoromethane	101	6.667	6.667	0.000	99	3708339	42.2	35.6	
15 Pentane	43	6.887	6.887	0.001	98	2510485	40.5	35.3	
18 Ethyl ether	59	7.320	7.314	0.006	95	967923	40.3	37.0	
19 Acrolein	56	7.571	7.566	0.005	96	604975	38.9	41.7	
20 1,1-Dichloroethene	96	7.764	7.764	0.000	97	1402025	41.1	35.4	
21 112TCTFE	101	7.812	7.807	0.005	96	2950001	42.0	35.0	
22 Acetone	43	7.860	7.860	0.000	98	2120992	41.0	37.4	
24 Carbon disulfide	76	8.176	8.176	0.000	100	3841804	40.6	35.0	
23 Isopropyl alcohol	45	8.176	8.176	0.000	100	2377190	40.9	37.7	p
25 Acetonitrile	41	8.379	8.374	0.005	99	935675	39.6	35.7	p
26 3-Chloro-1-propene	41	8.486	8.481	0.005	99	1724511	42.6	37.6	
27 Methylene Chloride	49	8.722	8.716	0.006	93	1449937	41.1	33.8	
28 2-Methyl-2-propanol	59	8.946	8.946	0.000	94	2897418	43.1	36.7	
29 Acrylonitrile	53	9.139	9.139	0.000	95	949938	40.4	40.6	
30 trans-1,2-Dichloroethene	61	9.230	9.230	0.000	97	1912586	40.8	35.4	
31 Methyl tert-butyl ether	73	9.235	9.235	0.000	97	4192087	41.8	39.0	
32 Hexane	57	9.743	9.743	0.000	93	2022766	42.4	37.0	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-011.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.005	10.005	0.000	100	2486625	40.0	36.7	
34 Vinyl acetate	43	10.027	10.021	0.006	100	3674368	41.6	39.5	
S 35 1,2-Dichloroethene, Total	61				0		81.2	75.5	
36 2-Butanone (MEK)	72	10.990	10.990	0.000	100	718680	41.4	40.4	
37 cis-1,2-Dichloroethene	96	11.017	11.011	0.006	94	1564823	40.4	40.1	
38 Ethyl acetate	88	11.081	11.075	0.006	100	137404	40.5	40.6	
* 39 Chlorobromomethane	128	11.434	11.434	0.000	86	262307	10.0	10.0	
40 Tetrahydrofuran	42	11.471	11.471	0.000	90	1531308	40.0	39.9	
41 Chloroform	83	11.610	11.610	0.000	96	3254480	40.4	40.2	
42 1,1,1-Trichloroethane	97	11.915	11.915	0.000	95	3449946	40.8	41.4	
43 Cyclohexane	84	12.054	12.049	0.005	97	1966966	40.6	40.4	
44 Carbon tetrachloride	117	12.199	12.199	0.000	98	3701195	40.6	41.0	
45 Benzene	78	12.552	12.547	0.006	96	4653955	41.3	43.6	
46 1,2-Dichloroethane	62	12.627	12.627	0.000	98	2105445	41.4	40.5	
47 Isooctane	57	12.766	12.766	0.000	99	7141904	41.9	42.8	
48 n-Heptane	43	13.076	13.076	0.000	91	2590826	42.0	41.4	
* 50 1,4-Difluorobenzene	114	13.296	13.295	0.001	94	1253511	10.0	10.0	
53 n-Butanol	56	13.509	13.509	0.000	88	917639	38.2	33.5	
51 Trichloroethene	95	13.723	13.729	-0.006	99	2150786	42.1	42.0	
A 52 GRO	1	14.050	(6.267-21.833)		0	638999195	2600.0	0	
54 1,2-Dichloropropane	63	14.189	14.189	0.000	89	1699256	41.2	39.7	
55 Methyl methacrylate	69	14.275	14.274	0.000	97	1585503	40.6	37.2	
56 1,4-Dioxane	88	14.312	14.312	0.000	92	861103	42.3	36.4	
57 Dibromomethane	174	14.344	14.344	0.000	92	2317875	41.2	40.1	
58 Dichlorobromomethane	83	14.660	14.660	0.000	99	3511708	42.3	37.8	
A 59 TVOC as Toluene	1	15.344	(3.950-26.739)		0	1021914338	3600.0	0	
60 cis-1,3-Dichloropropene	75	15.462	15.462	0.000	93	2925236	41.6	40.1	
61 4-Methyl-2-pentanone (MIBK)	43	15.719	15.719	0.000	96	3291299	41.0	36.8	
62 Toluene	92	16.104	16.109	-0.005	94	3289697	40.6	42.3	
63 n-Octane	43	16.356	16.355	0.001	90	3486784	41.3	37.1	
64 trans-1,3-Dichloropropene	75	16.521	16.527	-0.006	97	2572004	39.5	37.1	
65 1,1,2-Trichloroethane	83	16.901	16.901	0.000	97	1607272	41.9	41.6	
66 Tetrachloroethene	166	17.099	17.099	0.000	97	3254315	42.0	41.9	
67 2-Hexanone	43	17.302	17.308	-0.006	95	3114917	40.0	40.4	
68 Chlorodibromomethane	129	17.645	17.645	0.000	98	3758859	38.7	40.2	
69 Ethylene Dibromide	107	17.886	17.886	0.000	99	2993385	42.4	41.0	
* 70 Chlorobenzene-d5	117	18.795	18.795	0.000	84	1025263	10.0	10.0	
71 Chlorobenzene	112	18.854	18.854	0.000	95	4523179	42.0	42.0	
73 Ethylbenzene	91	19.046	19.046	0.000	98	7135751	40.9	40.9	
74 m-Xylene & p-Xylene	106	19.314	19.314	0.000	0	5607426	82.2	82.3	
75 n-Nonane	57	19.373	19.373	0.000	88	3222126	41.9	40.9	
76 o-Xylene	106	20.090	20.084	0.006	99	2709613	41.4	40.5	
S 77 Xylenes, Total	106				0		123.7	122.8	
78 Styrene	104	20.122	20.122	0.000	99	4423762	41.3	41.1	
79 Bromoform	173	20.469	20.469	0.000	98	3917549	41.2	39.4	
80 Isopropylbenzene	105	20.780	20.785	-0.005	96	8079027	41.7	41.1	
81 1,1,2,2-Tetrachloroethane	83	21.299	21.299	0.000	99	4077594	41.4	40.1	
82 1,2,3-Trichloropropane	75	21.400	21.400	0.000	98	3152056	42.4	40.0	
83 N-Propylbenzene	91	21.502	21.502	0.000	99	9409128	41.6	40.7	
84 2-Chlorotoluene	91	21.646	21.646	0.000	97	5829712	41.8	41.0	
85 4-Ethyltoluene	105	21.695	21.700	-0.005	98	7856445	41.3	40.2	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-011.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	6622785	41.6	40.8	
87 n-Decane	57	21.823	21.823	0.000	92	4062203	41.7	41.1	
88 Alpha Methyl Styrene	118	22.117	22.117	0.000	89	3563869	40.8	41.3	
89 tert-Butylbenzene	119	22.272	22.272	0.000	94	6608875	41.4	40.5	
90 1,2,4-Trimethylbenzene	105	22.358	22.358	0.000	98	6591809	41.6	40.6	
91 sec-Butylbenzene	105	22.599	22.599	0.000	98	9695043	41.8	40.7	
92 1,3-Dichlorobenzene	146	22.770	22.770	0.000	97	4644862	42.3	40.3	
93 4-Isopropyltoluene	119	22.813	22.813	0.000	97	8450340	41.2	40.3	
94 1,4-Dichlorobenzene	146	22.909	22.909	0.000	96	4528523	41.9	40.6	
95 Benzyl chloride	91	23.059	23.059	0.000	99	5878179	42.3	41.6	
96 n-Butylbenzene	91	23.364	23.369	-0.005	99	7709922	41.6	40.6	
97 1,2-Dichlorobenzene	146	23.401	23.401	0.000	97	4602486	41.8	40.3	
98 Undecane	57	23.513	23.513	0.000	94	4474491	41.8	40.8	
99 Dodecane	57	25.097	25.097	0.000	97	4076542	37.4	41.0	
100 1,2,4-Trichlorobenzene	180	25.835	25.835	0.000	94	3649482	43.4	44.1	
101 Hexachlorobutadiene	225	26.081	26.087	-0.006	97	4456843	41.0	44.3	
102 Naphthalene	128	26.317	26.317	0.000	99	7205986	38.9	40.2	
103 1,2,3-Trichlorobenzene	180	26.729	26.729	0.000	95	3128800	36.5	38.2	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

3 - Failed RT Window Test

p - Peak ID'ed as Multiple Compounds

Reagents:

ATTO15CALSTKi_00135

Amount Added: 40.00

Units: mL

ATTO15WISs_00008

Amount Added: 20.00

Units: mL

Run Reagent

Preliminary Report

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 09-Dec-2020 14:57:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0043974-009
 Misc. Info.: standard 1
 Operator ID: ggg Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub8

Method: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\TO15_TO3_MasterMethod_W.m

Limit Group: AI_TO15_ICAL
 Last Update: 10-Dec-2020 11:23:00 Calib Date: 09-Dec-2020 14:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d

Column 1: RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.960	3.960	0.000	98	1392314	40.0	40.0	
2 Dichlorodifluoromethane	85	4.067	4.067	0.000	99	4135368	40.0	40.0	
3 Chlorodifluoromethane	51	4.110	4.110	0.000	97	2545784	40.0	40.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.468	4.468	0.000	95	4107302	40.0	40.0	
5 Chloromethane	50	4.559	4.559	0.000	99	1495394	40.0	40.0	
6 Vinyl chloride	62	4.896	4.896	0.000	98	1683387	40.0	40.0	
7 Butane	43	4.912	4.912	0.000	98	2518162	40.0	40.0	
8 Butadiene	54	5.030	5.030	0.000	97	1219843	40.0	40.0	
9 Bromomethane	94	5.763	5.763	0.000	99	1241650	40.0	40.0	
11 Chloroethane	64	6.052	6.052	0.000	100	703380	40.0	40.0	
12 2-Methylbutane	43	6.277	6.277	0.000	93	1528589	40.0	40.0	
13 Vinyl bromide	106	6.491	6.491	0.000	99	1206910	40.0	40.0	
14 Trichlorofluoromethane	101	6.667	6.667	0.000	99	3221400	40.0	40.0	
15 Pentane	43	6.887	6.887	0.000	98	2194423	40.0	40.0	
18 Ethyl ether	59	7.314	7.314	0.000	94	809296	40.0	40.0	
19 Acrolein	56	7.566	7.566	0.000	96	448480	40.0	40.0	
20 1,1-Dichloroethene	96	7.764	7.764	0.000	96	1224101	40.0	40.0	
21 112TCTFE	101	7.807	7.807	0.000	96	2604388	40.0	40.0	
22 Acetone	43	7.860	7.860	0.000	98	1751496	40.0	40.0	
24 Carbon disulfide	76	8.176	8.176	0.000	100	3394826	40.0	40.0	
23 Isopropyl alcohol	45	8.176	8.176	0.000	64	1945935	40.0	40.0	p
25 Acetonitrile	41	8.374	8.374	0.000	98	809586	40.0	40.0	p
26 3-Chloro-1-propene	41	8.481	8.481	0.000	99	1418614	40.0	40.0	
27 Methylene Chloride	49	8.716	8.716	0.000	94	1323978	40.0	40.0	
28 2-Methyl-2-propanol	59	8.946	8.946	0.000	95	2440021	40.0	40.0	
29 Acrylonitrile	53	9.139	9.139	0.000	94	722218	40.0	40.0	
30 trans-1,2-Dichloroethene	61	9.230	9.230	0.000	97	1669360	40.0	40.0	
31 Methyl tert-butyl ether	73	9.235	9.235	0.000	96	3321264	40.0	40.0	
32 Hexane	57	9.743	9.743	0.000	92	1687855	40.0	40.0	
33 1,1-Dichloroethane	63	10.005	10.005	0.000	100	2091125	40.0	40.0	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.021	10.021	0.000	100	2874530	40.0	40.0	
S 35 1,2-Dichloroethene, Total	61				0		40.0	80.0	
36 2-Butanone (MEK)	72	10.990	10.990	0.000	100	549429	40.0	40.0	
37 cis-1,2-Dichloroethene	96	11.011	11.011	0.000	92	1204455	40.0	40.0	
38 Ethyl acetate	88	11.075	11.075	0.000	99	104648	40.0	40.0	
* 39 Chlorobromomethane	128	11.434	11.434	0.000	87	202614	10.0	10.0	
40 Tetrahydrofuran	42	11.471	11.471	0.000	90	1220918	40.0	40.0	
41 Chloroform	83	11.610	11.610	0.000	97	2500170	40.0	40.0	
42 1,1,1-Trichloroethane	97	11.915	11.915	0.000	96	2651798	40.0	40.0	
43 Cyclohexane	84	12.049	12.049	0.000	97	1546564	40.0	40.0	
44 Carbon tetrachloride	117	12.199	12.199	0.000	98	2870038	40.0	40.0	
45 Benzene	78	12.547	12.547	0.000	96	3395735	40.0	40.0	
46 1,2-Dichloroethane	62	12.627	12.627	0.000	98	1651708	40.0	40.0	
47 Isooctane	57	12.766	12.766	0.000	98	5304532	40.0	40.0	
48 n-Heptane	43	13.076	13.076	0.000	91	1989514	40.0	40.0	
* 50 1,4-Difluorobenzene	114	13.295	13.295	0.000	94	996120	10.0	10.0	
53 n-Butanol	56	13.509	13.509	0.000	89	870490	40.0	40.0	
51 Trichloroethene	95	13.729	13.729	0.000	99	1628371	40.0	40.0	
54 1,2-Dichloropropane	63	14.189	14.189	0.000	88	1359297	40.0	40.0	
55 Methyl methacrylate	69	14.274	14.274	0.000	95	1353110	40.0	40.0	
56 1,4-Dioxane	88	14.312	14.312	0.000	93	752014	40.0	40.0	
57 Dibromomethane	174	14.344	14.344	0.000	92	1838913	40.0	40.0	
58 Dichlorobromomethane	83	14.660	14.660	0.000	99	2953749	40.0	40.0	
60 cis-1,3-Dichloropropene	75	15.462	15.462	0.000	94	2317088	40.0	40.0	
61 4-Methyl-2-pentanone (MIBK)	43	15.719	15.719	0.000	97	2839803	40.0	40.0	
62 Toluene	92	16.109	16.109	0.000	94	2821576	40.0	40.0	
63 n-Octane	43	16.355	16.355	0.000	91	2987967	40.0	40.0	
64 trans-1,3-Dichloropropene	75	16.527	16.527	0.000	98	2200895	40.0	40.0	
65 1,1,2-Trichloroethane	83	16.901	16.901	0.000	98	1402034	40.0	40.0	
66 Tetrachloroethene	166	17.099	17.099	0.000	97	2819776	40.0	40.0	
67 2-Hexanone	43	17.308	17.308	0.000	95	2799429	40.0	40.0	
68 Chlorodibromomethane	129	17.645	17.645	0.000	98	3392735	40.0	40.0	
69 Ethylene Dibromide	107	17.886	17.886	0.000	98	2647916	40.0	40.0	
* 70 Chlorobenzene-d5	117	18.795	18.795	0.000	86	929503	10.0	10.0	
71 Chlorobenzene	112	18.854	18.854	0.000	95	3908462	40.0	40.0	
73 Ethylbenzene	91	19.046	19.046	0.000	98	6329452	40.0	40.0	
74 m-Xylene & p-Xylene	106	19.314	19.314	0.000	0	4943165	80.0	80.0	
75 n-Nonane	57	19.373	19.373	0.000	89	2858093	40.0	40.0	
76 o-Xylene	106	20.084	20.084	0.000	100	2423926	40.0	40.0	
S 77 Xylenes, Total	106				0		120.0	120.0	
78 Styrene	104	20.122	20.122	0.000	99	3905248	40.0	40.0	
79 Bromoform	173	20.469	20.469	0.000	98	3608229	40.0	40.0	
80 Isopropylbenzene	105	20.785	20.785	0.000	96	7120628	40.0	40.0	
81 1,1,2,2-Tetrachloroethane	83	21.299	21.299	0.000	99	3689738	40.0	40.0	
82 1,2,3-Trichloropropane	75	21.400	21.400	0.000	97	2856106	40.0	40.0	
83 N-Propylbenzene	91	21.502	21.502	0.000	99	8385864	40.0	40.0	
84 2-Chlorotoluene	91	21.646	21.646	0.000	97	5162330	40.0	40.0	
85 4-Ethyltoluene	105	21.700	21.700	0.000	98	7079475	40.0	40.0	
86 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	5881063	40.0	40.0	
87 n-Decane	57	21.823	21.823	0.000	92	3587804	40.0	40.0	
88 Alpha Methyl Styrene	118	22.117	22.117	0.000	89	3132280	40.0	40.0	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 tert-Butylbenzene	119	22.272	22.272	0.000	94	5913150	40.0	40.0	
90 1,2,4-Trimethylbenzene	105	22.358	22.358	0.000	98	5889652	40.0	40.0	
91 sec-Butylbenzene	105	22.599	22.599	0.000	98	8641148	40.0	40.0	
92 1,3-Dichlorobenzene	146	22.770	22.770	0.000	97	4175508	40.0	40.0	
93 4-Isopropyltoluene	119	22.813	22.813	0.000	97	7611898	40.0	40.0	
94 1,4-Dichlorobenzene	146	22.909	22.909	0.000	96	4044430	40.0	40.0	
95 Benzyl chloride	91	23.059	23.059	0.000	99	5120880	40.0	40.0	
96 n-Butylbenzene	91	23.369	23.369	0.000	98	6881449	40.0	40.0	
97 1,2-Dichlorobenzene	146	23.401	23.401	0.000	97	4137925	40.0	40.0	
98 Undecane	57	23.513	23.513	0.000	94	3977790	40.0	40.0	
99 Dodecane	57	25.097	25.097	0.000	97	3607204	40.0	40.0	
100 1,2,4-Trichlorobenzene	180	25.835	25.835	0.000	94	3001167	40.0	40.0	
101 Hexachlorobutadiene	225	26.087	26.087	0.000	97	3646341	40.0	40.0	
102 Naphthalene	128	26.317	26.317	0.000	99	6508304	40.0	40.0	
103 1,2,3-Trichlorobenzene	180	26.729	26.729	0.000	95	2966358	40.0	40.0	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

p - Peak ID'ed as Multiple Compounds

Reagents:

ATTO15CALSTKI_00136

Amount Added: 40.00

Units: mL

ATTO15WISs_00008

Amount Added: 20.00

Units: mL

Run Reagent

Reagent

ATTO15CALs_00043

Preliminary Report

Eurofins TestAmerica, Burlington
ICV, ICAL Verification Report

 1453006
 ID: ATTO15CALs_00043
 Exp: 12/14/21 Pipd: VTP
 TO15 Second Source Ta

Data File: \\chromfs\Burlington\ChromData\CHG.i\20201209-43976.b\200-43976-010.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 09-Dec-2020 18:23:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0043976-010
 Misc. Info.: icv
 Operator ID: ggg Instrument ID: CHG.i
 Sublist:

Method: \\chromfs\Burlington\ChromData\CHG.i\20201209-43976.b\TO15_MasterMethod_(v1)_G.m

Limit Group: AI_TO15_ICAL
 Last Update: 20-Jan-2021 12:01:56 Calib Date: 09-Dec-2020 17:31:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Burlington\ChromData\CHG.i\20201209-43976.b\200-43976-009.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: bourdeaut Date: 20-Jan-2021 12:02:12

Start Cal Date: 09-Dec-2020 11:26:30

End Cal Date: 09-Dec-2020 17:31:30

Compound	Amount Added	Amount Detected	%Drift	Max. %Drift	%Rec	%Rec Limits
1 Propene	10.1	9.95	-1.8	30.0	98.2	
2 Cl2F2Me	10.6	10.0	-5.4	30.0	94.6	
3 Chlorodifluorometh	10.6	9.58	-9.4	30.0	90.6	
4 1,2-Dichloro-1,1,2	10.6	9.71	-8.3	30.0	91.7	
5 Chloromethane	9.94	9.74	-2.0	30.0	98.0	
7 Vinyl chloride	9.99	9.36	-6.3	30.0	93.7	
6 Butane	10.3	9.67	-6.1	30.0	93.9	
8 Butadiene	9.70	8.98	-7.4	30.0	92.6	
10 Bromomethane	10.4	9.01	-13.4	30.0	86.6	
11 Chloroethane	10.6	9.09	-14.0	30.0	86.0	
12 2-Methylbutane	10.4	9.15	-12.4	30.0	87.6	
13 Vinyl bromide	10.0	9.55	-4.9	30.0	95.1	
14 Freon11	10.4	10.2	-2.0	30.0	98.0	
16 Pentane	10.2	8.72	-14.6	30.0	85.4	
17 Ethanol	15.0	16.0	6.3	30.0	106.3	
18 Ethyl ether	10.2	9.65	-5.6	30.0	94.4	
19 Acrolein	9.71	10.3	5.8	30.0	105.8	
21 1,1-Dichloroethene	10.2	8.79	-13.7	30.0	86.3	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20201209-43976.b\200-43976-010.D

Compound	Amount Added	Amount Detected	%Drift	Max. %Drift	%Rec	%Rec Limits
22 Acetone	10.4	10.6	1.8	30.0	101.8	
20 112TCTFE	10.7	9.26	-13.2	30.0	86.8	
24 Isopropyl alcohol	10.2	10.2	0.1	30.0	100.1	
23 Carbon disulfide	10.4	9.11	-12.1	30.0	87.9	
26 Acetonitrile	9.72	10.3	5.9	30.0	105.9	
25 3-Chloro-1-propene	10.7	10.4	-2.7	30.0	97.3	
27 Methylene Chloride	10.2	9.43	-8.0	30.0	92.0	
28 2M2PP	10.8	10.4	-3.4	30.0	96.6	
32 Acrylonitrile	10.2	9.97	-2.2	30.0	97.8	
31 T12DCE	10.3	8.85	-14.3	30.0	85.7	
29 MTBE	10.6	10.1	-4.0	30.0	96.0	
33 Hexane	10.5	8.87	-15.3	30.0	84.7	
34 1,1-Dichloroethane	10.3	8.51	-17.1	30.0	82.9	
35 Vinyl acetate	10.1	8.31	-17.5	30.0	82.5	
38 2-Butanone (MEK)	10.4	8.70	-16.1	30.0	83.9	
37 c12DCE	10.4	9.10	-12.2	30.0	87.8	
39 Ethyl acetate	10.2	9.34	-8.6	30.0	91.4	
41 Tetrahydrofuran	9.81	9.55	-2.7	30.0	97.3	
42 Chloroform	10.3	9.30	-9.9	30.0	90.1	
44 111TCA	10.3	9.02	-12.5	30.0	87.5	
43 Cyclohexane	10.2	7.92	-22.5	30.0	77.5	
45 CCl4	10.0	9.52	-5.3	30.0	94.7	
47 Benzene	10.4	9.01	-13.3	30.0	86.7	
48 1,2-Dichloroethane	10.5	9.32	-10.9	30.0	89.1	
46 Isooctane	10.1	8.78	-13.4	30.0	86.6	
49 n-Heptane	10.3	8.66	-16.0	30.0	84.0	
52 n-Butanol	9.11	9.10	-0.1	30.0	99.9	
53 Trichloroethene	10.3	9.89	-3.8	30.0	96.2	
54 12DCP	10.3	8.32	-19.6	30.0	80.4	
55 METHME	10.2	9.26	-9.3	30.0	90.7	
56 1,4-Dioxane	10.3	10.8	4.8	30.0	104.8	
57 Dibromomethane	10.3	9.52	-8.0	30.0	92.0	
58 BrCl2Me	10.3	9.39	-8.7	30.0	91.3	
60 C13DCPP	9.94	9.15	-8.0	30.0	92.0	
61 MIBK	10.2	9.11	-10.6	30.0	89.4	
65 Toluene	10.2	9.57	-6.2	30.0	93.8	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20201209-43976.b\200-43976-010.D

Compound	Amount Added	Amount Detected	%Drift	Max. %Drift	%Rec	%Rec Limits
64 n-Octane	10.3	8.64	-16.1	30.0	83.9	
66 T13DCP	9.85	8.54	-13.3	30.0	86.7	
67 112TCA	10.5	9.35	-10.9	30.0	89.1	
68 Tetrachloroethene	10.5	10.3	-1.6	30.0	98.4	
69 2-Hexanone	10.1	9.69	-4.1	30.0	95.9	
71 Br2C1Me	10.6	9.81	-7.5	30.0	92.5	
72 Ethylene Dibromide	10.7	10.6	-0.2	30.0	99.8	
75 Chlorobenzene	10.5	10.1	-3.7	30.0	96.3	
76 Ethylbenzene	10.2	9.42	-7.9	30.0	92.1	
78 MPXYLENES	20.0	20.4	2.1	30.0	102.1	
77 n-Nonane	10.5	9.96	-4.8	30.0	95.2	
79 o-Xylene	10.4	9.76	-5.9	30.0	94.1	
80 Styrene	10.3	10.4	1.3	30.0	101.3	
81 Bromoform	10.3	10.3	0.5	30.0	100.5	
82 Isopropylbenzene	10.5	10.4	-0.1	30.0	99.9	
84 1122TCA	10.3	9.51	-8.1	30.0	91.9	
86 TCP	10.6	10.7	0.4	30.0	100.4	
85 N-Propylbenzene	10.4	10.4	0.7	30.0	100.7	
89 2-Chlorotoluene	10.4	10.4	-0.3	30.0	99.7	
88 4-Ethyltoluene	10.2	10.8	5.7	30.0	105.7	
90 135-TMB	10.5	10.7	2.1	30.0	102.1	
87 n-Decane	10.3	10.9	5.2	30.0	105.2	
91 Alpha Methyl Styre	10.2	11.2	10.6	30.0	110.6	
92 tert-Butylbenzene	10.4	10.8	4.2	30.0	104.2	
93 124TMB	10.4	10.8	3.4	30.0	103.4	
94 sec-Butylbenzene	10.5	11.0	5.0	30.0	105.0	
96 13DCB	10.2	11.0	8.3	30.0	108.3	
95 4-Isopropyltoluene	10.5	10.6	1.1	30.0	101.1	
97 14DCB	10.4	10.9	4.5	30.0	104.5	
98 Benzyl chloride	10.2	11.2	10.4	30.0	110.4	
100 n-Butylbenzene	10.5	11.2	6.4	30.0	106.4	
101 12DCB	10.8	10.9	1.6	30.0	101.6	
99 Undecane	10.7	10.7	-0.3	30.0	99.7	
102 Dodecane	10.6	7.70	-27.6	30.0	72.4	
103 124TCB	11.0	12.3	12.4	30.0	112.4	
104 HCBd	10.8	11.1	2.0	30.0	102.0	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHG.i\20201209-43976.b\200-43976-010.D

Compound	Amount Added	Amount Detected	%Drift	Max. %Drift	%Rec	%Rec Limits
105 Naphthalene	10.5	10.4	-1.1	30.0	98.9	
106 123TCB	10.9	9.32	-14.2	30.0	85.8	


Reagent ID: 40XX200tankD_00001

Description:	200ppb v/v Tank D Bur Recert	Expiration Date:	02/07/2021
No. of Bottles:	1	Laboratory:	Eurofins TestAmerica, Knoxville
Storage Location:	Ambient Air Canister Reagent Storage	Prepared By:	Barlozhetskaya, Anna F
Reagent Volume:	36.700 psi absolute	Solvent:	Nitrogen
Creation Date:	12/07/2020	Solvent Lot:	Dewar
Open Date:			
Container(s):	343746		
Comment:	Adjusted for nominal value of 200 ppb v/v can SN1652		

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
1,1,1-Trichloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1,2,2-Tetrachloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1,2-Trichloro-1,2,2-trifluoroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1,2-Trichloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1-Dichloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,1-Dichloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2,3-Trichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2,3-Trichloropropane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2,4-Trichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2,4-Trimethylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2-Dichloro-1,1,2,2-tetrafluoroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2-Dichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2-Dichloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,2-Dichloroethene, Total	40MXTANKDP_00008	11/25/2021	2.00000	ppm v/v	400.00000	ppb v/v
1,2-Dichloropropane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,3,5-Trimethylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,3-Dichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
1,4-Dichlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
1,4-Dioxane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Butanone (MEK)	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Chlorotoluene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Hexanone	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Methyl-2-propanol	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
2-Methylbutane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
3-Chloro-1-propene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
4-Ethyltoluene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
4-Isopropyltoluene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
4-Methyl-2-pentanone (MIBK)	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Acetone	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Acetonitrile	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Acrolein	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Acrylonitrile	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Alpha Methyl Styrene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Benzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Benzyl chloride	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Bromoform	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Bromomethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Butadiene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Butane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
C6 Range	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
C8 Range	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Carbon disulfide	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Carbon tetrachloride	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chlorobenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chlorodibromomethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chlorodifluoromethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chloroethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chloroform	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Chloromethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
cis-1,2-Dichloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
cis-1,3-Dichloropropene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Cyclohexane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Dibromomethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Dichlorobromomethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Dichlorodifluoromethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Dodecane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Ethyl acetate	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Ethyl ether	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Ethylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Ethylene Dibromide	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Hexachlorobutadiene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Hexane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Isooctane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Isopropyl alcohol	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Isopropylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Methyl methacrylate	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Methyl tert-butyl ether	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Methylene Chloride	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
m-Xylene & p-Xylene	40MXTANKDP_00008	11/25/2021	2.00000	ppm v/v	400.00000	ppb v/v
Naphthalene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Butanol	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Butylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
n-Decane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Heptane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Nonane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
n-Octane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
N-Propylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
o-Xylene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Pentane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Propene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
sec-Butylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Styrene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
tert-Butylbenzene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Tetrachloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Tetrahydrofuran	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Toluene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Toluene Range	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
trans-1,2-Dichloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
trans-1,3-Dichloropropene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Trichloroethene	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v


Reagent ID: 40XX200tankD_00001

Description: 200ppb v/v Tank D Bur Recert
 No. of Bottles: 1
 Storage Location: Ambient Air Canister Reagent Storage
 Reagent Volume: 36.700 psi absolute
 Creation Date: 12/07/2020
 Open Date:
 Container(s): 343746
 Comment: Adjusted for nominal value of 200 ppb v/v can SN1652

Expiration Date: 02/07/2021
 Laboratory: Eurofins TestAmerica, Knoxville
 Prepared By: Barlozhetskaya, Anna F
 Solvent: Nitrogen
 Solvent Lot: Dewar

Reagent Analyte Information

Analyte	Source ID	Source Exp. Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Trichlorofluoromethane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Undecane	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Vinyl acetate	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Vinyl bromide	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Vinyl chloride	40MXTANKDP_00008	11/25/2021	1.00000	ppm v/v	200.00000	ppb v/v
Xylenes, Total	40MXTANKDP_00008	11/25/2021	3.00000	ppm v/v	600.00000	ppb v/v

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
40MXTANKDP_00008	Tank D Mega primary	ASTD	11/25/21	Linde	CC-118524	PO:US11382327	36.70000	psi abs

4700 Precision Diluter Standards Preparation Report

Date: 12/7/2020 10:39:34 AM

Dilution ID: 399

Canister Size: 15000cc

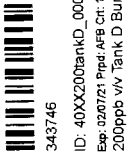
Canister ID: SN# 1652

Target Final Psia: 36.7

Report ID: 343746

Prepared By: AFB

Comment: 200 ppb v/v Burlington Recert



Channel Methods

Ch. Title	Init. Conc.	Target Conc.	Dilution Factor	Init. Psia	Target Psid	Final Psid	Target Psia	Final Psia	Duration	Final Conc.
1 Diluent	100 percent	100 percent	1	0.32	11.64	11.64	11.96	11.96	00:11:48	N/A
3 D Mega Pri	1000 ppb	200 ppb	5	11.96	7.28	7.28	19.24	19.24	00:19:34	200.1 ppb
1 Diluent	100 percent	100 percent	1	19.24	17.46	17.46	36.70	36.70	00:18:04	N/A

Total Duration: 00:49:33

Channel Configuration and Standards Inventory

Ch.	Source	Init. Conc.	Cylinder ID	Expiration Date	Notes
1	Diluent	100 percent		12/31/2021	
3	D Mega Pri	1000 ppb		11/25/2021	

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343163

 ED: 40000000000000000000
 Sup: 10000000000000000000
 Tank ID: 10000000000000000000

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 Knoxville, TN 37921

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Tank D to 12/2/20

ANALYSIS REPORT

Sales#: 117401727
 Production#: 1523772
 Report Date: Nov-24-2020
 P.O.# : US113823280
 Blend Type: QUALIFIED
 Material#: 24106776
 Traceability: NIST by weight
 Expiration Date: Nov-24-2021
 Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
 Cylinder # : CC-118524
 Cylinder Pressure: 1700 psig
 Cylinder Valve: CGA 350 / Steel
 Cylinder Volume: 29.5 Liter
 Cylinder Material: Aluminum
 Gas Volume: 3400 Liters
 Blend Tolerance: 10% Relative
 Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.04 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.06 ppm
Freon-12	75-71-8	1.00 ppm	1.03 ppm
Chloromethane	74-87-3	1.00 ppm	1.04 ppm
Freon-114	76-14-2	1.00 ppm	1.03 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.04 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.04 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.81 ppm
n-Butane	106-97-8	1.00 ppm	1.06 ppm
Bromomethane	74-83-9	1.00 ppm	1.04 ppm
Chloroethane	75-00-3	1.00 ppm	1.04 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile (No Stability Guarantee)	75-05-8	1.00 ppm	1.00 ppm
Acrolein	107-02-8	1.00 ppm	0.99 ppm
Isopentane	78-78-4	1.00 ppm	1.03 ppm
Acetone	67-64-1	1.00 ppm	1.02 ppm
Freon-11	75-69-4	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	1.04 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.03 ppm
n-Pentane	109-66-0	1.00 ppm	1.04 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.03 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.05 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.10 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.03 ppm
Freon-113	76-13-1	1.00 ppm	1.03 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.04 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.03 ppm

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Knoxville, TN 37921

PAGE: 2 of 4

ANALYSIS REPORT

Sales#: 117401727
Production#: 1523772
Report Date: Nov-24-2020
P.O.# : US113823280
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Nov-24-2021
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-118524
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.10 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.02 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.04 ppm
Hexane	110-54-3	1.00 ppm	1.03 ppm
Chloroform	67-66-3	1.00 ppm	1.04 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.04 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.02 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.03 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.03 ppm
Benzene	71-43-2	1.00 ppm	1.04 ppm
1-Butanol	71-36-3	1.00 ppm	0.92 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.02 ppm
Cyclohexane	110-82-7	1.00 ppm	1.03 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.00 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.00 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.00 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.04 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.02 ppm
Heptane	142-82-5	1.00 ppm	1.03 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.01 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.00 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.02 ppm
Toluene	108-88-3	1.00 ppm	1.02 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.00 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.04 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.04 ppm
n-Octane	111-65-9	1.00 ppm	1.01 ppm

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Knoxville, TN 37921

PAGE: 3 of 4

ANALYSIS REPORT

Sales#: 117401727
Production#: 1523772
Report Date: Nov-24-2020
P.O.# : US113823280
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Nov-24-2021
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-118524
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.05 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.01 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.01 ppm
p-xylene	106-42-3	1.00 ppm	1.00 ppm
m-xylene	108-38-3	1.00 ppm	1.01 ppm
Bromoform	75-25-2	1.00 ppm	1.01 ppm
Styrene	100-42-5	1.00 ppm	1.00 ppm
o-xylene	95-47-6	1.00 ppm	1.01 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.01 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.01 ppm
Nonane	111-84-2	1.00 ppm	1.02 ppm
Cumene	98-82-8	1.00 ppm	1.01 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.01 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.01 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.01 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.01 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	0.99 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.00 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.01 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.01 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.01 ppm
n-Decane	124-18-5	1.00 ppm	0.99 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.00 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.01 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.01 ppm
n-Undecane (No Stability Guarantee)	1120-21-4	1.00 ppm	1.00 ppm

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Knoxville, TN 37921

PAGE: 4 of 4

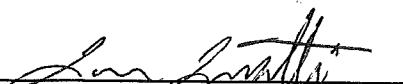
ANALYSIS REPORT

Sales#: 117401727
Production#: 1523772
Report Date: Nov-24-2020
P.O.# : US113823280
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Nov-24-2021
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-118524
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
1,2,4-Trichlorobenzene (No Stability Guarantee)	120-82-1	1.00 ppm	0.96 ppm
Naphthalene (No Stability Guarantee)	91-20-3	1.00 ppm	0.91 ppm
n-Dodecane (No Stability Guarantee)	112-40-3	1.00 ppm	0.90 ppm
1,2,3-Trichlorobenzene (No Stability Guarantee)	87-61-6	1.00 ppm	0.91 ppm
Hexachloro-1,3-Butadiene (No Stability Guarantee)	87-68-3	1.00 ppm	0.94 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST:


Lou Lorenzetti

DATE: Nov-24-2020

Preliminary Report

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-011.d
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 09-Dec-2020 16:44:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0043974-011
 Misc. Info.: standard 2
 Operator ID: ggg Instrument ID: CHW.i
 Sublist:

Method: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Dec-2020 11:23:00 Calib Date: 09-Dec-2020 14:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.944	3.960	-0.016	98	1602506	41.3	35.6	
2 Dichlorodifluoromethane	85	4.062	4.067	-0.005	100	4670083	41.8	34.9	
3 Chlorodifluoromethane	51	4.099	4.110	-0.011	97	2897855	41.9	35.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.468	4.468	0.000	97	4866433	41.6	36.6	
5 Chloromethane	50	4.559	4.559	0.000	99	1724699	43.7	35.6	
6 Vinyl chloride	62	4.896	4.896	0.000	98	1935747	41.6	35.5	
7 Butane	43	4.913	4.912	0.000	99	2858712	41.4	35.1	
8 Butadiene	54	5.030	5.030	0.000	97	1352486	40.5	34.3	
9 Bromomethane	94	5.763	5.763	0.000	99	1496511	41.2	37.2	
11 Chloroethane	64	6.057	6.052	0.005	100	855494	41.6	37.6	
10 BFB									
12 2-Methylbutane	43	6.282	6.277	0.005	93	1819562	41.8	36.8	
13 Vinyl bromide	106	6.496	6.491	0.005	99	1484915	41.7	38.0	
14 Trichlorofluoromethane	101	6.667	6.667	0.000	99	3708339	42.2	35.6	
15 Pentane	43	6.887	6.887	0.001	98	2510485	40.5	35.3	
18 Ethyl ether	59	7.320	7.314	0.006	95	967923	40.3	37.0	
19 Acrolein	56	7.571	7.566	0.005	96	604975	38.9	41.7	
20 1,1-Dichloroethene	96	7.764	7.764	0.000	97	1402025	41.1	35.4	
21 112TCTFE	101	7.812	7.807	0.005	96	2950001	42.0	35.0	
22 Acetone	43	7.860	7.860	0.000	98	2120992	41.0	37.4	
24 Carbon disulfide	76	8.176	8.176	0.000	100	3841804	40.6	35.0	
23 Isopropyl alcohol	45	8.176	8.176	0.000	100	2377190	40.9	37.7	p
25 Acetonitrile	41	8.379	8.374	0.005	99	935675	39.6	35.7	p
26 3-Chloro-1-propene	41	8.486	8.481	0.005	99	1724511	42.6	37.6	
27 Methylene Chloride	49	8.722	8.716	0.006	93	1449937	41.1	33.8	
28 2-Methyl-2-propanol	59	8.946	8.946	0.000	94	2897418	43.1	36.7	
29 Acrylonitrile	53	9.139	9.139	0.000	95	949938	40.4	40.6	
30 trans-1,2-Dichloroethene	61	9.230	9.230	0.000	97	1912586	40.8	35.4	
31 Methyl tert-butyl ether	73	9.235	9.235	0.000	97	4192087	41.8	39.0	
32 Hexane	57	9.743	9.743	0.000	93	2022766	42.4	37.0	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-011.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	10.005	10.005	0.000	100	2486625	40.0	36.7	
34 Vinyl acetate	43	10.027	10.021	0.006	100	3674368	41.6	39.5	
S 35 1,2-Dichloroethene, Total	61				0		81.2	75.5	
36 2-Butanone (MEK)	72	10.990	10.990	0.000	100	718680	41.4	40.4	
37 cis-1,2-Dichloroethene	96	11.017	11.011	0.006	94	1564823	40.4	40.1	
38 Ethyl acetate	88	11.081	11.075	0.006	100	137404	40.5	40.6	
* 39 Chlorobromomethane	128	11.434	11.434	0.000	86	262307	10.0	10.0	
40 Tetrahydrofuran	42	11.471	11.471	0.000	90	1531308	40.0	39.9	
41 Chloroform	83	11.610	11.610	0.000	96	3254480	40.4	40.2	
42 1,1,1-Trichloroethane	97	11.915	11.915	0.000	95	3449946	40.8	41.4	
43 Cyclohexane	84	12.054	12.049	0.005	97	1966966	40.6	40.4	
44 Carbon tetrachloride	117	12.199	12.199	0.000	98	3701195	40.6	41.0	
45 Benzene	78	12.552	12.547	0.006	96	4653955	41.3	43.6	
46 1,2-Dichloroethane	62	12.627	12.627	0.000	98	2105445	41.4	40.5	
47 Isooctane	57	12.766	12.766	0.000	99	7141904	41.9	42.8	
48 n-Heptane	43	13.076	13.076	0.000	91	2590826	42.0	41.4	
* 50 1,4-Difluorobenzene	114	13.296	13.295	0.001	94	1253511	10.0	10.0	
53 n-Butanol	56	13.509	13.509	0.000	88	917639	38.2	33.5	
51 Trichloroethene	95	13.723	13.729	-0.006	99	2150786	42.1	42.0	
A 52 GRO	1	14.050	(6.267-21.833)		0	638999195	2600.0	0	
54 1,2-Dichloropropane	63	14.189	14.189	0.000	89	1699256	41.2	39.7	
55 Methyl methacrylate	69	14.275	14.274	0.000	97	1585503	40.6	37.2	
56 1,4-Dioxane	88	14.312	14.312	0.000	92	861103	42.3	36.4	
57 Dibromomethane	174	14.344	14.344	0.000	92	2317875	41.2	40.1	
58 Dichlorobromomethane	83	14.660	14.660	0.000	99	3511708	42.3	37.8	
A 59 TVOC as Toluene	1	15.344	(3.950-26.739)		0	1021914338	3600.0	0	
60 cis-1,3-Dichloropropene	75	15.462	15.462	0.000	93	2925236	41.6	40.1	
61 4-Methyl-2-pentanone (MIBK)	43	15.719	15.719	0.000	96	3291299	41.0	36.8	
62 Toluene	92	16.104	16.109	-0.005	94	3289697	40.6	42.3	
63 n-Octane	43	16.356	16.355	0.001	90	3486784	41.3	37.1	
64 trans-1,3-Dichloropropene	75	16.521	16.527	-0.006	97	2572004	39.5	37.1	
65 1,1,2-Trichloroethane	83	16.901	16.901	0.000	97	1607272	41.9	41.6	
66 Tetrachloroethene	166	17.099	17.099	0.000	97	3254315	42.0	41.9	
67 2-Hexanone	43	17.302	17.308	-0.006	95	3114917	40.0	40.4	
68 Chlorodibromomethane	129	17.645	17.645	0.000	98	3758859	38.7	40.2	
69 Ethylene Dibromide	107	17.886	17.886	0.000	99	2993385	42.4	41.0	
* 70 Chlorobenzene-d5	117	18.795	18.795	0.000	84	1025263	10.0	10.0	
71 Chlorobenzene	112	18.854	18.854	0.000	95	4523179	42.0	42.0	
73 Ethylbenzene	91	19.046	19.046	0.000	98	7135751	40.9	40.9	
74 m-Xylene & p-Xylene	106	19.314	19.314	0.000	0	5607426	82.2	82.3	
75 n-Nonane	57	19.373	19.373	0.000	88	3222126	41.9	40.9	
76 o-Xylene	106	20.090	20.084	0.006	99	2709613	41.4	40.5	
S 77 Xylenes, Total	106				0		123.7	122.8	
78 Styrene	104	20.122	20.122	0.000	99	4423762	41.3	41.1	
79 Bromoform	173	20.469	20.469	0.000	98	3917549	41.2	39.4	
80 Isopropylbenzene	105	20.780	20.785	-0.005	96	8079027	41.7	41.1	
81 1,1,2,2-Tetrachloroethane	83	21.299	21.299	0.000	99	4077594	41.4	40.1	
82 1,2,3-Trichloropropane	75	21.400	21.400	0.000	98	3152056	42.4	40.0	
83 N-Propylbenzene	91	21.502	21.502	0.000	99	9409128	41.6	40.7	
84 2-Chlorotoluene	91	21.646	21.646	0.000	97	5829712	41.8	41.0	
85 4-Ethyltoluene	105	21.695	21.700	-0.005	98	7856445	41.3	40.2	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-011.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	6622785	41.6	40.8	
87 n-Decane	57	21.823	21.823	0.000	92	4062203	41.7	41.1	
88 Alpha Methyl Styrene	118	22.117	22.117	0.000	89	3563869	40.8	41.3	
89 tert-Butylbenzene	119	22.272	22.272	0.000	94	6608875	41.4	40.5	
90 1,2,4-Trimethylbenzene	105	22.358	22.358	0.000	98	6591809	41.6	40.6	
91 sec-Butylbenzene	105	22.599	22.599	0.000	98	9695043	41.8	40.7	
92 1,3-Dichlorobenzene	146	22.770	22.770	0.000	97	4644862	42.3	40.3	
93 4-Isopropyltoluene	119	22.813	22.813	0.000	97	8450340	41.2	40.3	
94 1,4-Dichlorobenzene	146	22.909	22.909	0.000	96	4528523	41.9	40.6	
95 Benzyl chloride	91	23.059	23.059	0.000	99	5878179	42.3	41.6	
96 n-Butylbenzene	91	23.364	23.369	-0.005	99	7709922	41.6	40.6	
97 1,2-Dichlorobenzene	146	23.401	23.401	0.000	97	4602486	41.8	40.3	
98 Undecane	57	23.513	23.513	0.000	94	4474491	41.8	40.8	
99 Dodecane	57	25.097	25.097	0.000	97	4076542	37.4	41.0	
100 1,2,4-Trichlorobenzene	180	25.835	25.835	0.000	94	3649482	43.4	44.1	
101 Hexachlorobutadiene	225	26.081	26.087	-0.006	97	4456843	41.0	44.3	
102 Naphthalene	128	26.317	26.317	0.000	99	7205986	38.9	40.2	
103 1,2,3-Trichlorobenzene	180	26.729	26.729	0.000	95	3128800	36.5	38.2	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

3 - Failed RT Window Test

p - Peak ID'ed as Multiple Compounds

Reagents:

ATTO15CALSTKi_00135

Amount Added: 40.00

Units: mL

ATTO15WISs_00008

Amount Added: 20.00

Units: mL

Run Reagent

Preliminary Report

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 09-Dec-2020 14:57:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0043974-009
 Misc. Info.: standard 1
 Operator ID: ggg Instrument ID: CHW.i
 Sublist: chrom-TO15_TO3_MasterMethod_W*sub8

Method: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\TO15_TO3_MasterMethod_W.m

Limit Group: AI_TO15_ICAL
 Last Update: 10-Dec-2020 11:23:00 Calib Date: 09-Dec-2020 14:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d

Column 1: RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1653

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.960	3.960	0.000	98	1392314	40.0	40.0	
2 Dichlorodifluoromethane	85	4.067	4.067	0.000	99	4135368	40.0	40.0	
3 Chlorodifluoromethane	51	4.110	4.110	0.000	97	2545784	40.0	40.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.468	4.468	0.000	95	4107302	40.0	40.0	
5 Chloromethane	50	4.559	4.559	0.000	99	1495394	40.0	40.0	
6 Vinyl chloride	62	4.896	4.896	0.000	98	1683387	40.0	40.0	
7 Butane	43	4.912	4.912	0.000	98	2518162	40.0	40.0	
8 Butadiene	54	5.030	5.030	0.000	97	1219843	40.0	40.0	
9 Bromomethane	94	5.763	5.763	0.000	99	1241650	40.0	40.0	
11 Chloroethane	64	6.052	6.052	0.000	100	703380	40.0	40.0	
12 2-Methylbutane	43	6.277	6.277	0.000	93	1528589	40.0	40.0	
13 Vinyl bromide	106	6.491	6.491	0.000	99	1206910	40.0	40.0	
14 Trichlorofluoromethane	101	6.667	6.667	0.000	99	3221400	40.0	40.0	
15 Pentane	43	6.887	6.887	0.000	98	2194423	40.0	40.0	
18 Ethyl ether	59	7.314	7.314	0.000	94	809296	40.0	40.0	
19 Acrolein	56	7.566	7.566	0.000	96	448480	40.0	40.0	
20 1,1-Dichloroethene	96	7.764	7.764	0.000	96	1224101	40.0	40.0	
21 112TCTFE	101	7.807	7.807	0.000	96	2604388	40.0	40.0	
22 Acetone	43	7.860	7.860	0.000	98	1751496	40.0	40.0	
24 Carbon disulfide	76	8.176	8.176	0.000	100	3394826	40.0	40.0	
23 Isopropyl alcohol	45	8.176	8.176	0.000	64	1945935	40.0	40.0	p
25 Acetonitrile	41	8.374	8.374	0.000	98	809586	40.0	40.0	p
26 3-Chloro-1-propene	41	8.481	8.481	0.000	99	1418614	40.0	40.0	
27 Methylene Chloride	49	8.716	8.716	0.000	94	1323978	40.0	40.0	
28 2-Methyl-2-propanol	59	8.946	8.946	0.000	95	2440021	40.0	40.0	
29 Acrylonitrile	53	9.139	9.139	0.000	94	722218	40.0	40.0	
30 trans-1,2-Dichloroethene	61	9.230	9.230	0.000	97	1669360	40.0	40.0	
31 Methyl tert-butyl ether	73	9.235	9.235	0.000	96	3321264	40.0	40.0	
32 Hexane	57	9.743	9.743	0.000	92	1687855	40.0	40.0	
33 1,1-Dichloroethane	63	10.005	10.005	0.000	100	2091125	40.0	40.0	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43	10.021	10.021	0.000	100	2874530	40.0	40.0	
S 35 1,2-Dichloroethene, Total	61				0		40.0	80.0	
36 2-Butanone (MEK)	72	10.990	10.990	0.000	100	549429	40.0	40.0	
37 cis-1,2-Dichloroethene	96	11.011	11.011	0.000	92	1204455	40.0	40.0	
38 Ethyl acetate	88	11.075	11.075	0.000	99	104648	40.0	40.0	
* 39 Chlorobromomethane	128	11.434	11.434	0.000	87	202614	10.0	10.0	
40 Tetrahydrofuran	42	11.471	11.471	0.000	90	1220918	40.0	40.0	
41 Chloroform	83	11.610	11.610	0.000	97	2500170	40.0	40.0	
42 1,1,1-Trichloroethane	97	11.915	11.915	0.000	96	2651798	40.0	40.0	
43 Cyclohexane	84	12.049	12.049	0.000	97	1546564	40.0	40.0	
44 Carbon tetrachloride	117	12.199	12.199	0.000	98	2870038	40.0	40.0	
45 Benzene	78	12.547	12.547	0.000	96	3395735	40.0	40.0	
46 1,2-Dichloroethane	62	12.627	12.627	0.000	98	1651708	40.0	40.0	
47 Isooctane	57	12.766	12.766	0.000	98	5304532	40.0	40.0	
48 n-Heptane	43	13.076	13.076	0.000	91	1989514	40.0	40.0	
* 50 1,4-Difluorobenzene	114	13.295	13.295	0.000	94	996120	10.0	10.0	
53 n-Butanol	56	13.509	13.509	0.000	89	870490	40.0	40.0	
51 Trichloroethene	95	13.729	13.729	0.000	99	1628371	40.0	40.0	
54 1,2-Dichloropropane	63	14.189	14.189	0.000	88	1359297	40.0	40.0	
55 Methyl methacrylate	69	14.274	14.274	0.000	95	1353110	40.0	40.0	
56 1,4-Dioxane	88	14.312	14.312	0.000	93	752014	40.0	40.0	
57 Dibromomethane	174	14.344	14.344	0.000	92	1838913	40.0	40.0	
58 Dichlorobromomethane	83	14.660	14.660	0.000	99	2953749	40.0	40.0	
60 cis-1,3-Dichloropropene	75	15.462	15.462	0.000	94	2317088	40.0	40.0	
61 4-Methyl-2-pentanone (MIBK)	43	15.719	15.719	0.000	97	2839803	40.0	40.0	
62 Toluene	92	16.109	16.109	0.000	94	2821576	40.0	40.0	
63 n-Octane	43	16.355	16.355	0.000	91	2987967	40.0	40.0	
64 trans-1,3-Dichloropropene	75	16.527	16.527	0.000	98	2200895	40.0	40.0	
65 1,1,2-Trichloroethane	83	16.901	16.901	0.000	98	1402034	40.0	40.0	
66 Tetrachloroethene	166	17.099	17.099	0.000	97	2819776	40.0	40.0	
67 2-Hexanone	43	17.308	17.308	0.000	95	2799429	40.0	40.0	
68 Chlorodibromomethane	129	17.645	17.645	0.000	98	3392735	40.0	40.0	
69 Ethylene Dibromide	107	17.886	17.886	0.000	98	2647916	40.0	40.0	
* 70 Chlorobenzene-d5	117	18.795	18.795	0.000	86	929503	10.0	10.0	
71 Chlorobenzene	112	18.854	18.854	0.000	95	3908462	40.0	40.0	
73 Ethylbenzene	91	19.046	19.046	0.000	98	6329452	40.0	40.0	
74 m-Xylene & p-Xylene	106	19.314	19.314	0.000	0	4943165	80.0	80.0	
75 n-Nonane	57	19.373	19.373	0.000	89	2858093	40.0	40.0	
76 o-Xylene	106	20.084	20.084	0.000	100	2423926	40.0	40.0	
S 77 Xylenes, Total	106				0		120.0	120.0	
78 Styrene	104	20.122	20.122	0.000	99	3905248	40.0	40.0	
79 Bromoform	173	20.469	20.469	0.000	98	3608229	40.0	40.0	
80 Isopropylbenzene	105	20.785	20.785	0.000	96	7120628	40.0	40.0	
81 1,1,2,2-Tetrachloroethane	83	21.299	21.299	0.000	99	3689738	40.0	40.0	
82 1,2,3-Trichloropropane	75	21.400	21.400	0.000	97	2856106	40.0	40.0	
83 N-Propylbenzene	91	21.502	21.502	0.000	99	8385864	40.0	40.0	
84 2-Chlorotoluene	91	21.646	21.646	0.000	97	5162330	40.0	40.0	
85 4-Ethyltoluene	105	21.700	21.700	0.000	98	7079475	40.0	40.0	
86 1,3,5-Trimethylbenzene	105	21.791	21.791	0.000	94	5881063	40.0	40.0	
87 n-Decane	57	21.823	21.823	0.000	92	3587804	40.0	40.0	
88 Alpha Methyl Styrene	118	22.117	22.117	0.000	89	3132280	40.0	40.0	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20201210-43999.b\43974-009.d

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 tert-Butylbenzene	119	22.272	22.272	0.000	94	5913150	40.0	40.0	
90 1,2,4-Trimethylbenzene	105	22.358	22.358	0.000	98	5889652	40.0	40.0	
91 sec-Butylbenzene	105	22.599	22.599	0.000	98	8641148	40.0	40.0	
92 1,3-Dichlorobenzene	146	22.770	22.770	0.000	97	4175508	40.0	40.0	
93 4-Isopropyltoluene	119	22.813	22.813	0.000	97	7611898	40.0	40.0	
94 1,4-Dichlorobenzene	146	22.909	22.909	0.000	96	4044430	40.0	40.0	
95 Benzyl chloride	91	23.059	23.059	0.000	99	5120880	40.0	40.0	
96 n-Butylbenzene	91	23.369	23.369	0.000	98	6881449	40.0	40.0	
97 1,2-Dichlorobenzene	146	23.401	23.401	0.000	97	4137925	40.0	40.0	
98 Undecane	57	23.513	23.513	0.000	94	3977790	40.0	40.0	
99 Dodecane	57	25.097	25.097	0.000	97	3607204	40.0	40.0	
100 1,2,4-Trichlorobenzene	180	25.835	25.835	0.000	94	3001167	40.0	40.0	
101 Hexachlorobutadiene	225	26.087	26.087	0.000	97	3646341	40.0	40.0	
102 Naphthalene	128	26.317	26.317	0.000	99	6508304	40.0	40.0	
103 1,2,3-Trichlorobenzene	180	26.729	26.729	0.000	95	2966358	40.0	40.0	
112 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

p - Peak ID'ed as Multiple Compounds

Reagents:

ATTO15CALSTKI_00136

Amount Added: 40.00

Units: mL

ATTO15WISs_00008

Amount Added: 20.00

Units: mL

Run Reagent

Reagent

ATTO15CISs_00010

THE LINDE GROUP

Linde

SHIPPED TO: Test America Inc.
30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 1 of 1

CERTIFICATE OF ANALYSIS

Sales#:	113830245	Cylinder Size:	152 (8" X 47.5")
Production#:	1371258	Cylinder #:	CC-133684
Certification Date:	Mar-24-2016	Cylinder Pressure:	2000 psig
P.O.#:	2640230	Cylinder Valve:	CGA 350 / Steel
Blend Type:	CERTIFIED	Cylinder Volume:	29.5 Liter
Material#:	24088974	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Mar-24-2017	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Bromochloromethane	74-97-5	100 ppb	106 ppb
1,4-Difluorobenzene	540-36-3	100 ppb	110 ppb
Chlorobenzene-d5	3114-55-4	100 ppb	110 ppb
4-Bromofluorobenzene	460-00-4	100 ppb	110 ppb
Nitrogen	7727-37-9	Balance	Balance



941848

ID: ATTO15CISs_00010

Exp:05/14/21 Ppd:PAD Opi:06/14/16

Internal Standard for Ins

ANALYST:

Lou Lorenzetti

DATE: Mar-24-2016

Linde Gas North America LLC

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Reagent

ATTO15EthCALs_00009



660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Ethyl alcohol

CATALOG NUMBER N-11885-1G
LOT NUMBER 5301900
DATE CERTIFIED 07/21/15
EXPIRATION DATE 07/31/21
CAS NUMBER 64-17-5
MOLECULAR FORMULA C₂H₆O
MOLECULAR WEIGHT 46.07
STORAGE Store in a cool dry place.
HANDLING See Safety Data Sheet
INTENDED USE For laboratory use only.
ISO GUIDE 34 CERTIFIED []

Analytical Test	Value
% PURITY (GC/FID)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Chem Service, Inc. is accredited to ISO Guide 34:2009, ISO/IEC 17025:2005 and certified to ISO 9001:2008



ISO/IEC 17025
Accreditation Number 83320



Reference Material Producer
ISO GUIDE 34
Accreditation Number 83320

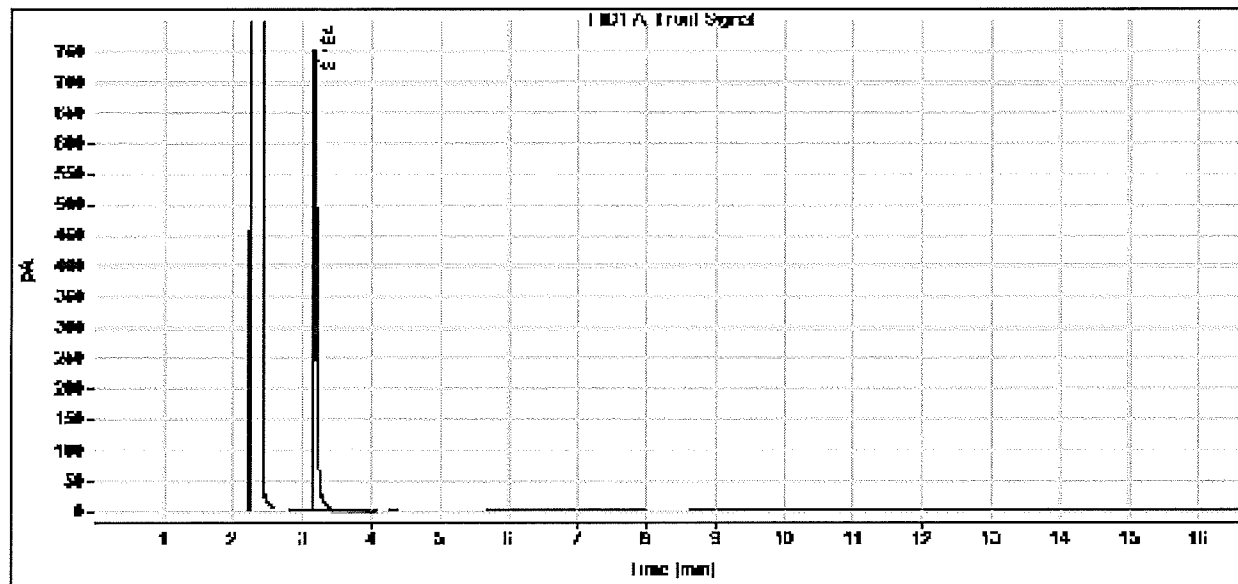
COA Form
Revision 3 (3/2015)

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

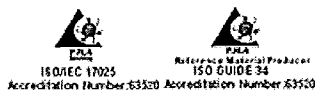
Data file: C:\CHEM32\1\DATA\0715\SIG1008841.D
Sample name: N-11885
Instrument: GC 1
Injection date: 7/21/2015 10:30:34 AM
Acq. method: MIX1.M
Column name: DB-824 (30m x 0.53mm x 3.0um)
Sample type: Sample
Location: Vial 5
Injection volume: 1.0uL



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
3.184	BB	0.0537	2394.4050	741.5197	100.0000
Sum			2394.4050		

Chem Service, Inc. is accredited to ISO Guide 34:2009, ISO/IEC 17025:2005 and certified to ISO 9001:2008



Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Matrix: Air Level: Low Lab File ID: 46569-03.D
Lab ID: LCS 200-168404/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Trichloroethene	10.3	9.73	95	73-122	
Tetrachloroethene	10.5	7.59	73	70-125	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Lab File ID: 46569-04.D Lab Sample ID: MB 200-168404/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHC.i Date Analyzed: 06/25/2021 10:12
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-168404/3	46569-03.D	06/25/2021 09:17
LL2-PUMP ROOM-06-24-2021	200-59052-1	46569-11.D	06/25/2021 16:33

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Lab File ID: 46375-01.D BFB Injection Date: 06/14/2021
Instrument ID: CHC.i BFB Injection Time: 13:16
Analysis Batch No.: 167921

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.5
75	30.0 - 66.0% of mass 95	47.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	83.9
175	4.0 - 9.0 % of mass 174	6.6 (7.8) 1
176	93.0 - 101.0% of mass 174	81.4 (97.0) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 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 200-167921/3	46375-03.D	06/14/2021	15:44
	IC 200-167921/4	46375-04.D	06/14/2021	16:39
	IC 200-167921/5	46375-05.D	06/14/2021	17:33
	IC 200-167921/6	46375-06.D	06/14/2021	18:28
	ICIS 200-167921/7	46375-07.D	06/14/2021	19:22
	IC 200-167921/8	46375-08.D	06/14/2021	20:17
	IC 200-167921/11	46375-11.D	06/14/2021	23:00
	IC 200-167921/12	46375-12.D	06/14/2021	23:55
	ICV 200-167921/16	46375-16.D	06/15/2021	3:33

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Lab File ID: 46569-01.D BFB Injection Date: 06/25/2021
Instrument ID: CHC.i BFB Injection Time: 07:38
Analysis Batch No.: 168404

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.8
75	30.0 - 66.0% of mass 95	51.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	71.9
175	4.0 - 9.0 % of mass 174	5.6 (7.8) 1
176	93.0 - 101.0% of mass 174	70.1 (97.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 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 200-168404/2	46569-02.D	06/25/2021	8:22
	LCS 200-168404/3	46569-03.D	06/25/2021	9:17
	MB 200-168404/4	46569-04.D	06/25/2021	10:12
LL2-PUMP ROOM-06-24-2021	200-59052-1	46569-11.D	06/25/2021	16:33

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
 SDG No.: 200-59052-1
 Sample No.: ICIS 200-167921/7 Date Analyzed: 06/14/2021 19:22
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 46375-07.D Heated Purge: (Y/N) N
 Calibration ID: 46016

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		507894	9.76	2511367	11.72	2276384	17.76
UPPER LIMIT		711052	10.09	3515914	12.05	3186938	18.09
LOWER LIMIT		304736	9.43	1506820	11.39	1365830	17.43
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-167921/16		580142	9.76	2940663	11.72	2662435	17.76

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
 SDG No.: 200-59052-1
 Sample No.: CCVIS 200-168404/2 Date Analyzed: 06/25/2021 08:22
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 46569-02.D Heated Purge: (Y/N) N
 Calibration ID: 46016

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		533444	9.75	2677427	11.72	2393706	17.75
UPPER LIMIT		746822	10.08	3748398	12.05	3351188	18.08
LOWER LIMIT		320066	9.42	1606456	11.39	1436224	17.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-168404/3		510820	9.76	2615800	11.72	2366511	17.75
MB 200-168404/4		524538	9.75	2675838	11.72	2318631	17.75
200-59052-1	LL2-PUMP ROOM-06-24-2021	509694	9.75	2589479	11.72	2264733	17.75

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Client Sample ID: LL2-PUMP ROOM-06-24-2021 Lab Sample ID: 200-59052-1
Matrix: Air Lab File ID: 46569-11.D
Analysis Method: TO-15 Date Collected: 06/24/2021 15:58
Sample wt/vol: 200 (mL) Date Analyzed: 06/25/2021 16:33
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 168404 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	4.7		0.037	0.024
127-18-4	Tetrachloroethene	165.83	12		0.20	0.027

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Client Sample ID: LL2-PUMP ROOM-06-24-2021 Lab Sample ID: 200-59052-1
Matrix: Air Lab File ID: 46569-11.D
Analysis Method: TO-15 Date Collected: 06/24/2021 15:58
Sample wt/vol: 200 (mL) Date Analyzed: 06/25/2021 16:33
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 168404 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	25		0.20	0.13
127-18-4	Tetrachloroethene	165.83	85		1.4	0.18

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-11.D
 Lims ID: 200-59052-A-1
 Client ID: LL2-PUMP ROOM-06-24-2021
 Sample Type: Client
 Inject. Date: 25-Jun-2021 16:33:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046569-011
 Misc. Info.: 59052-1
 Operator ID: vtp Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 28-Jun-2021 10:40:09 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: bunmaa

Date: 28-Jun-2021 10:40:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	9.750	9.749	0.001	93	509694	20.0	
* 50 1,4-Difluorobenzene	114	11.719	11.719	0.000	97	2589479	20.0	
53 Trichloroethene	95	12.188	12.183	0.000	92	239840	4.74	
68 Tetrachloroethene	166	15.967	15.967	0.000	94	858881	12.5	
* 74 Chlorobenzene-d5	117	17.750	17.750	0.000	94	2264733	20.0	

QC Flag Legend

Processing Flags

Reagents:

ATTO15CISs_00011 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 28-Jun-2021 10:40:40

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-11.D

Injection Date: 25-Jun-2021 16:33:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: 200-59052-A-1

Lab Sample ID: 200-59052-1

Worklist Smp#: 11

Client ID: LL2-PUMP ROOM-06-24-2021

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

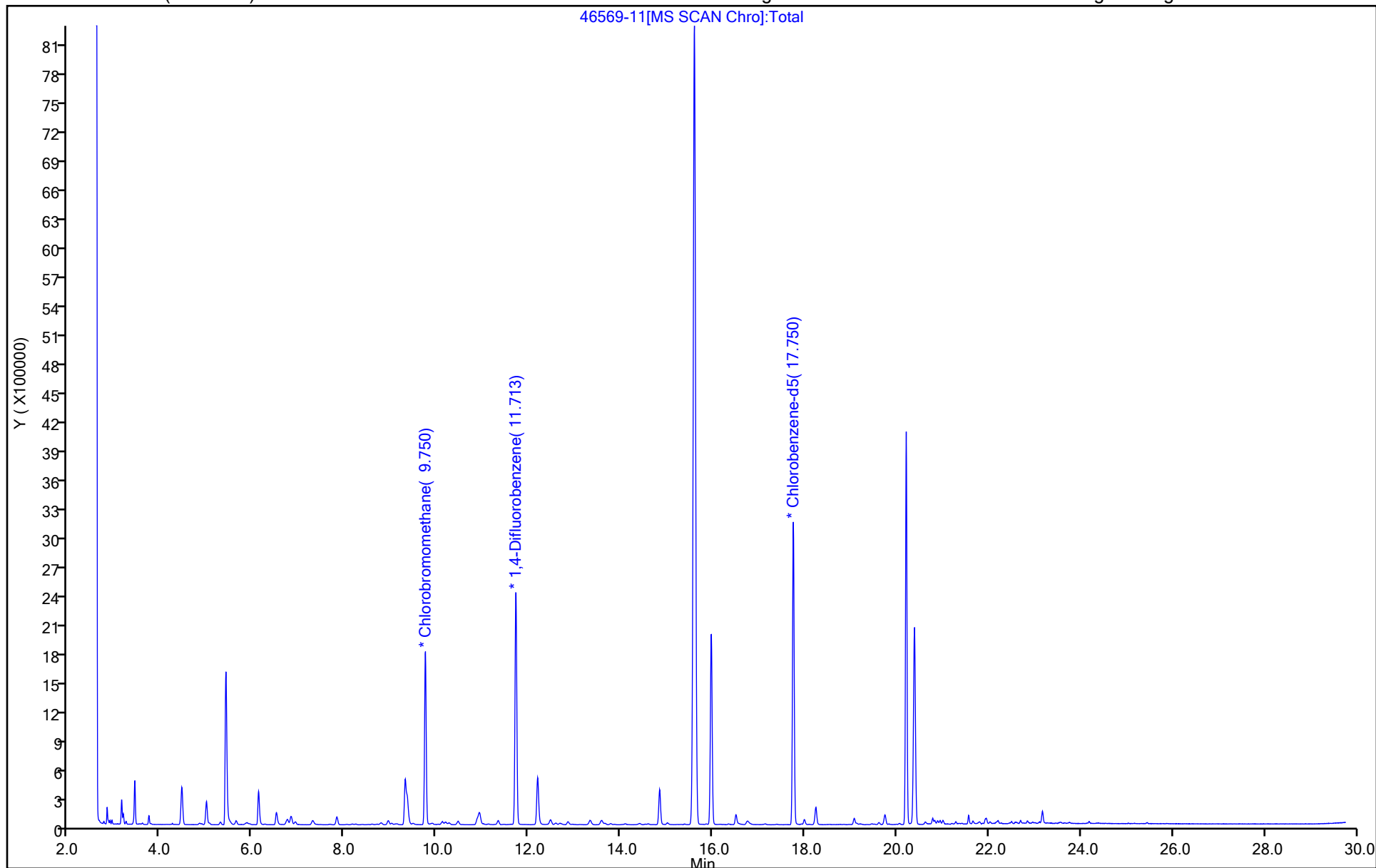
ALS Bottle#: 10

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

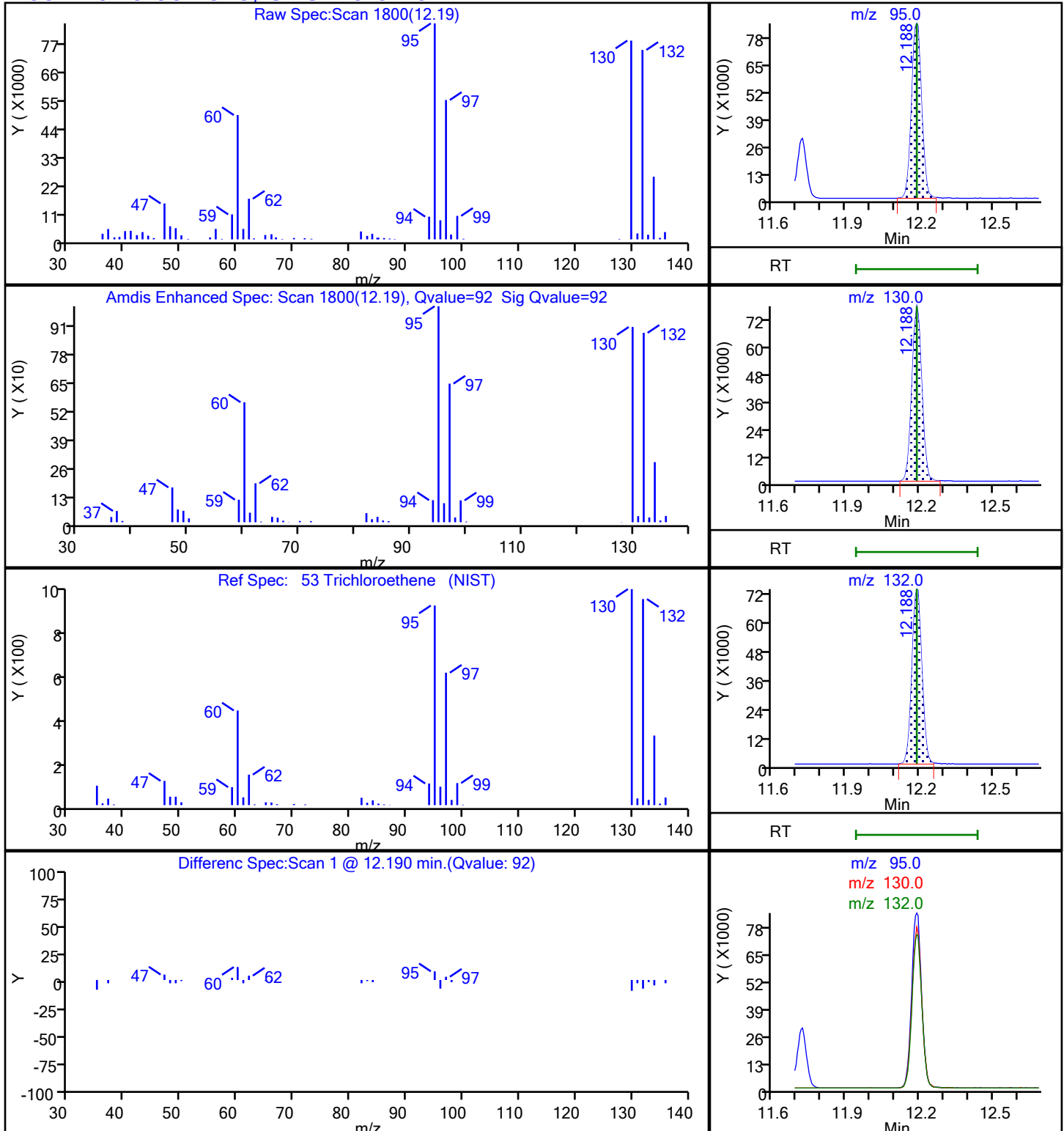
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-11.D
Injection Date: 25-Jun-2021 16:33:30 Instrument ID: CHC.i
Lims ID: 200-59052-A-1 Lab Sample ID: 200-59052-1
Client ID: LL2-PUMP ROOM-06-24-2021
Operator ID: vtp ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-11.D

Injection Date: 25-Jun-2021 16:33:30

Instrument ID: CHC.i

Lims ID: 200-59052-A-1

Lab Sample ID: 200-59052-1

Client ID: LL2-PUMP ROOM-06-24-2021

Operator ID: vtp

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 200.000 mL

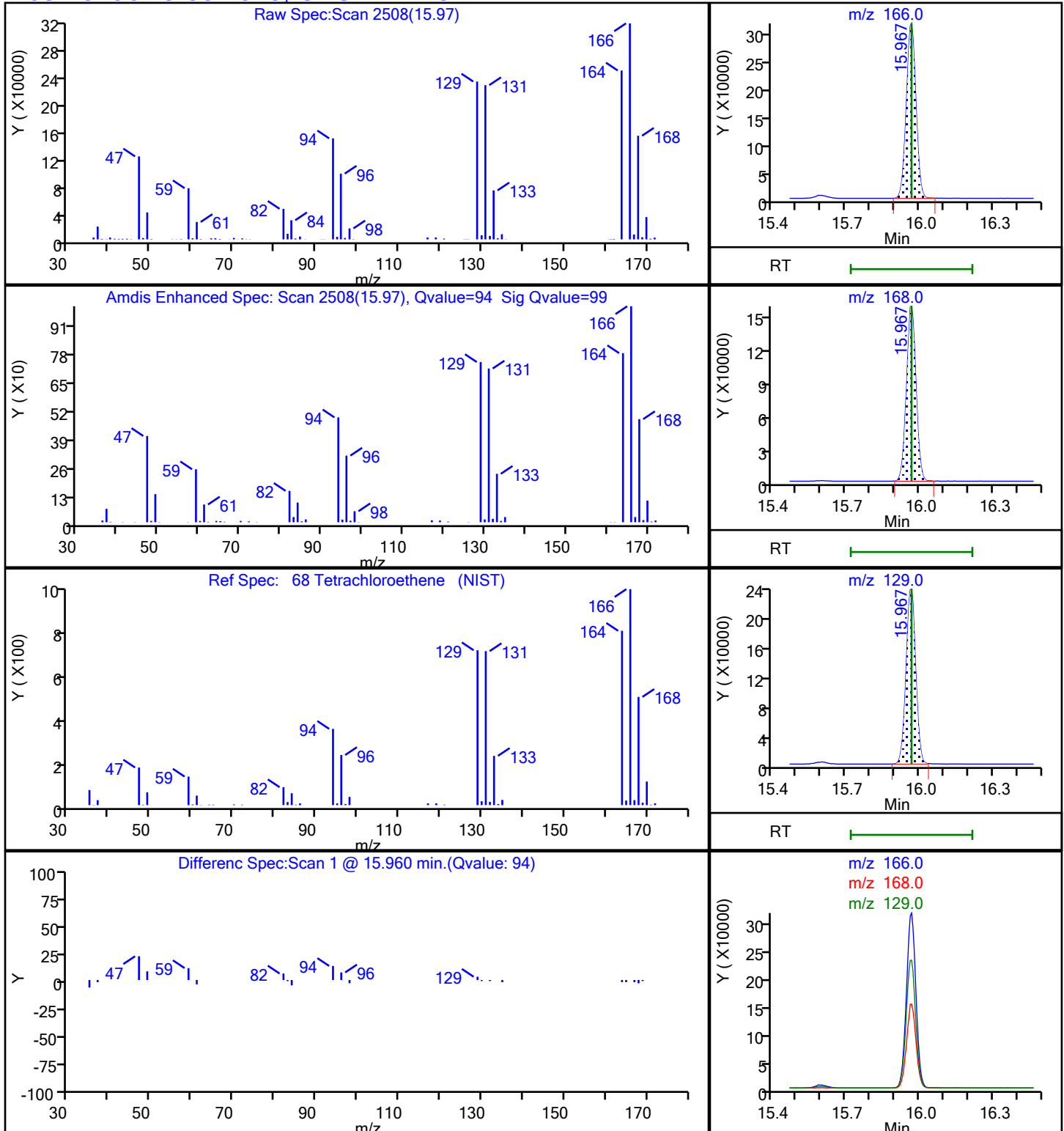
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921
SDG No.: 200-59052-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-167921/3	46375-03.D
Level 2	IC 200-167921/4	46375-04.D
Level 3	IC 200-167921/5	46375-05.D
Level 4	IC 200-167921/6	46375-06.D
Level 5	ICIS 200-167921/7	46375-07.D
Level 6	IC 200-167921/8	46375-08.D
Level 7	IC 200-167921/11	46375-11.D
Level 8	IC 200-167921/12	46375-12.D

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														
Propylene	++++ 1.7818	++++ 1.6813	++++ 1.6455	1.9867	1.8337	Ave		1.785 8				7.6		30.0			
Dichlorodifluoromethane	++++ 3.7307	++++ 3.6109	2.8310 3.5835	4.0271	3.7339	Ave		3.586 2				11.2		30.0			
Freon 22	++++ 2.8718	++++ 2.6902	1.9249 2.6213	3.1097	2.9152	Ave		2.688 9				15.3		30.0			
1,2-Dichlorotetrafluoroethane	++++ 3.7936	3.3278 3.6453	3.1703 3.6167	3.9887	3.7613	Ave		3.614 8				7.8		30.0			
Chloromethane	++++ 1.6023	++++ 1.5119	1.3684 1.4945	1.7110	1.6495	Ave		1.556 3				7.9		30.0			
n-Butane	++++ 2.6763	++++ 2.4781	2.1960 2.3999	2.8838	2.7870	Ave		2.570 2				10.1		30.0			
Vinyl chloride	1.8850 1.6343	1.4143 1.5372	1.2715 1.4988	1.7121	1.6592	Ave		1.576 5				12.0		30.0			
1,3-Butadiene	1.5107 1.3035	1.1205 1.2152	0.9692 1.1763	1.3844	1.3349	Ave		1.251 9				13.4		30.0			
Bromomethane	++++ 1.2837	1.1043 1.2512	1.0030 1.2059	1.3472	1.2967	Ave		1.213 1				10.0		30.0			
Chloroethane	++++ 0.7784	++++ 0.7688	0.5328 0.7560	0.8031	0.7685	Ave		0.734 6				13.6		30.0			
Isopentane	++++ 2.2322	0.8703 2.1364	1.0131 2.0041	2.3575	2.2811	Ave		1.842 1				34.0	*	30.0			
Bromoethene (Vinyl Bromide)	++++ 1.1628	1.0011 1.1429	0.9897 1.1413	1.2002	1.1298	Ave		1.109 7				7.3		30.0			
Trichlorofluoromethane	++++ 3.1510	2.4230 3.0470	2.3005 3.0042	3.2880	3.1482	Ave		2.908 8				13.3		30.0			

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921
SDG No.: 200-59052-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5		B	M1	M2								
n-Pentane	++++ 3.4140	++++ 3.2552	1.6716 3.0689	3.5810	3.4674	Ave		3.076 3				23.1		30.0			
Ethanol	++++ 1.1145	++++ 1.0303	0.5970 0.9064	1.3379	1.2154	Ave		1.033 6				25.2		30.0			
Ethyl ether	++++ 1.1500	0.7122 1.1223	0.6947 1.0740	1.2089	1.1488	Ave		1.015 8				21.4		30.0			
Acrolein	++++ 0.7318	++++ 0.6882	++++ 0.6703	0.5882	0.5628	Ave		0.648 2				10.9		30.0			
Freon TF	++++ 2.5575	2.0640 2.5076	2.1104 2.5033	2.6932	2.5361	Ave		2.424 6				9.9		30.0			
1,1-Dichloroethene	1.1881 1.2489	1.0659 1.2313	1.0005 1.2326	1.3067	1.2386	Ave		1.189 1				8.7		30.0			
Acetone	++++ 2.8201	++++ 2.7056	++++ 2.5991	3.0605	2.9269	Ave		2.822 4				6.4		30.0			
Carbon disulfide	++++ 4.2400	++++ 4.1260	3.0389 4.1800	4.4083	4.1837	Ave		4.029 5				12.3		30.0			
Isopropyl alcohol	++++ 3.2433	++++ 3.0009	++++ 2.9842	3.5739	3.3593	Ave		3.232 3				7.7		30.0			
3-Chloropropene	++++ 2.6131	1.2009 2.5058	1.3016 2.1605	2.2594	2.2943	Ave		2.048 0				27.6		30.0			
Acetonitrile	++++ 1.6247	++++ 1.6619	++++ 1.4977	1.7224	1.7243	Ave		1.646 2				5.7		30.0			
Methylene Chloride	++++ 2.1726	++++ 2.1132	1.1962 2.0601	2.2723	2.2412	Ave		2.009 3				20.2		30.0			
tert-Butyl alcohol	++++ 3.1269	++++ 2.7724	++++ 2.9867	3.4295	3.1773	Ave		3.098 6				7.8		30.0			
trans-1,2-Dichloroethene	++++ 2.4861	1.4482 2.4240	1.5571 2.3559	2.6197	2.4762	Ave		2.195 3				21.9		30.0			
Methyl tert-butyl ether	++++ 4.1205	2.6093 4.0559	2.7428 4.0559	4.2943	4.0989	Ave		3.711 1				19.2		30.0			
Acrylonitrile	++++ 1.2811	++++ 1.2229	0.6813 1.2558	1.3456	1.2920	Ave		1.179 8				21.0		30.0			
n-Hexane	++++ 2.5921	1.3756 2.3732	1.6289 2.4766	2.7173	2.5696	Ave		2.247 6				23.4		30.0			
1,1-Dichloroethane	2.7260 3.0921	1.7546 2.9959	1.9526 2.8991	3.2256	3.0770	Ave		2.715 3				20.4		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, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921
SDG No.: 200-59052-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5		B	M1	M2								
Vinyl acetate	++++ 5.4579	++++ 5.2974	++++ 4.8856	4.6426	4.6867	Ave		4.994 0				7.3		30.0			
cis-1,2-Dichloroethene	1.8277 1.4197	1.2230 1.3966	1.3496 1.4250	1.4754	1.3932	Ave		1.438 8				12.1		30.0			
Methyl Ethyl Ketone	++++ 0.7645	++++ 0.7594	0.9255 0.7627	0.7859	0.7529	Ave		0.791 8				8.4		30.0			
Ethyl acetate	++++ 0.1191	++++ 0.1147	++++ 0.1156	0.1226	0.1136	Ave		0.117 1				3.1		30.0			
Tetrahydrofuran	++++ 0.5226	++++ 0.5065	++++ 0.5152	0.5469	0.5250	Ave		0.523 2				2.9		30.0			
Chloroform	++++ 3.0661	2.9051 2.9930	2.6751 3.0695	3.1819	2.9984	Ave		2.984 2				5.4		30.0			
1,1,1-Trichloroethane	++++ 0.5779	0.5035 0.5654	0.4769 0.6014	0.5918	0.5698	Ave		0.555 3				8.4		30.0			
Cyclohexane	++++ 0.3819	0.3407 0.3758	0.3407 0.3940	0.3940	0.3775	Ave		0.372 1				6.1		30.0			
Carbon tetrachloride	0.5333 0.5556	0.4505 0.5463	0.4418 0.5744	0.5605	0.5428	Ave		0.525 6				9.6		30.0			
Benzene	++++ 0.9277	0.9076 0.9080	0.8151 0.9566	0.9594	0.9175	Ave		0.913 1				5.3		30.0			
2,2,4-Trimethylpentane	++++ 1.7849	1.4929 1.7063	1.3595 1.8266	1.8384	1.7680	Ave		1.682 4				11.0		30.0			
1,2-Dichloroethane	++++ 0.4173	0.3503 0.3961	0.3020 0.4273	0.4346	0.4160	Ave		0.391 9				12.4		30.0			
n-Heptane	++++ 0.8127	0.6495 0.8063	0.5912 0.8329	0.8418	0.8110	Ave		0.763 6				13.1		30.0			
n-Butanol	++++ 0.2540	++++ 0.2409	++++ 0.2587	0.2829	0.2678	Ave		0.260 9				6.0		30.0			
Trichloroethene	0.5474 0.3591	0.3791 0.3587	0.3526 0.3793	0.3798	0.3703	Ave		0.390 8				16.4		30.0			
1,2-Dichloropropane	++++ 0.3773	0.3750 0.3724	0.3558 0.3900	0.3890	0.3759	Ave		0.376 5				3.0		30.0			
Methyl methacrylate	++++ 0.3482	++++ 0.3463	0.3077 0.3850	0.3342	0.3397	Ave		0.343 5				7.3		30.0			
Dibromomethane	++++ 0.3126	0.3211 0.2985	0.3126 0.3304	0.3691	0.3463	Ave		0.327 2				7.3		30.0			

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921
SDG No.: 200-59052-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5		B	M1	M2								
1,4-Dioxane	++++ 0.1560	++++ 0.1475	++++ 0.1590	0.1803	0.1664	Ave		0.161 8				7.6		30.0			
Bromodichloromethane	++++ 0.5821	0.5229 0.5712	0.5162 0.6162	0.5723	0.5585	Ave		0.562 8				6.1		30.0			
cis-1,3-Dichloropropene	++++ 0.5608	0.5311 0.5532	0.5056 0.5912	0.5653	0.5559	Ave		0.551 9				4.9		30.0			
Methyl isobutyl ketone	++++ 0.9970	++++ 0.9820	0.9005 1.0534	1.0109	1.0003	Ave		0.990 7				5.1		30.0			
Toluene	++++ 0.6424	0.6313 0.6120	0.6338 0.6689	0.6806	0.6450	Ave		0.644 9				3.6		30.0			
n-Octane	++++ 1.0710	1.0641 1.0544	0.9941 1.1351	1.1004	1.0695	Ave		1.069 8				4.0		30.0			
trans-1,3-Dichloropropene	++++ 0.5016	0.4625 0.4960	0.4656 0.5318	0.5029	0.4948	Ave		0.493 6				4.8		30.0			
1,1,2-Trichloroethane	++++ 0.3383	0.3348 0.3216	0.3110 0.3510	0.3434	0.3318	Ave		0.333 1				4.0		30.0			
Tetrachloroethene	0.9090 0.4890	0.7270 0.4416	0.7127 0.4865	0.5688	0.5309	Ave		0.608 2				26.4		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 1.0348	++++ 0.9961	1.4831 1.1061	1.0627	1.0767	Ave		1.126 6				15.9		30.0			
Dibromochloromethane	++++ 0.6392	0.5004 0.6106	0.5119 0.6640	0.5713	0.5727	Ave		0.581 4				10.6		30.0			
1,2-Dibromoethane	++++ 0.5372	0.4903 0.5143	0.5282 0.5607	0.5567	0.5382	Ave		0.532 2				4.6		30.0			
Chlorobenzene	++++ 0.7826	0.8114 0.7750	0.8242 0.8064	0.8262	0.7867	Ave		0.801 8				2.6		30.0			
Ethylbenzene	++++ 1.4263	1.3555 1.4018	1.3777 1.5189	1.4650	1.4217	Ave		1.423 9				3.9		30.0			
n-Nonane	++++ 0.9271	0.8709 0.9107	0.8040 1.0443	0.9059	0.9054	Ave		0.909 8				7.9		30.0			
m,p-Xylene	++++ 0.5406	0.4983 0.5276	0.5085 0.6027	0.5444	0.5300	Ave		0.536 0				6.3		30.0			
Xylene, o-	++++ 0.5095	0.5026 0.4853	0.5109 0.5273	0.5244	0.5075	Ave		0.509 7				2.7		30.0			
Styrene	++++ 0.8345	0.7949 0.7855	0.7595 0.8574	0.8377	0.8293	Ave		0.814 1				4.3		30.0			

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921
SDG No.: 200-59052-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5		B	M1	M2								
Bromoform	++++ 0.6060	0.3656 0.5648	0.3451 0.5955	0.4059	0.3937	Ave		0.468 1				24.6		30.0			
Cumene	++++ 1.5087	1.5657 1.4375	1.4021 1.5913	1.5484	1.4955	Ave		1.507 0				4.6		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8917	0.9076 0.8443	0.7881 0.9427	0.8733	0.8487	Ave		0.870 9				5.7		30.0			
1,2,3-Trichloropropane	++++ 0.7198	++++ 0.6939	0.6845 0.7844	0.7173	0.7108	Ave		0.718 4				4.9		30.0			
n-Propylbenzene	++++ 2.0211	2.1497 1.9610	1.8067 2.1964	2.0096	1.9946	Ave		2.019 9				6.3		30.0			
2-Chlorotoluene	++++ 1.3792	1.4854 1.3505	1.2407 1.5787	1.3586	1.3527	Ave		1.392 3				7.8		30.0			
4-Ethyltoluene	++++ 1.5992	1.6242 1.5622	1.4400 1.7992	1.6013	1.5892	Ave		1.602 2				6.6		30.0			
n-Decane	++++ 1.1535	++++ 1.1202	1.0549 1.2910	1.1793	1.1630	Ave		1.160 3				6.7		30.0			
1,3,5-Trimethylbenzene	++++ 1.2333	1.3696 1.1888	1.1896 1.3567	1.2600	1.2668	Ave		1.266 4				5.8		30.0			
Alpha Methyl Styrene	++++ 0.6532	0.6953 0.6278	0.5693 0.6899	0.6527	0.6671	Ave		0.650 8				6.6		30.0			
tert-Butylbenzene	++++ 1.1820	1.4284 1.1269	1.1163 1.2802	1.2044	1.1987	Ave		1.219 5				8.8		30.0			
1,2,4-Trimethylbenzene	++++ 1.2440	1.4461 1.1971	1.1863 1.3395	1.2836	1.2734	Ave		1.281 4				7.0		30.0			
sec-Butylbenzene	++++ 1.9208	2.1474 1.8453	1.7929 2.0701	1.9506	1.9355	Ave		1.951 8				6.3		30.0			
4-Isopropyltoluene	++++ 1.6624	1.7781 1.6183	1.3845 1.8504	1.5989	1.6429	Ave		1.647 9				9.0		30.0			
1,3-Dichlorobenzene	++++ 0.8660	1.0872 0.8330	0.8614 0.9269	0.8690	0.8825	Ave		0.903 7				9.5		30.0			
1,4-Dichlorobenzene	++++ 0.8256	1.1707 0.7873	0.9007 0.8584	0.8621	0.8476	Ave		0.893 2				14.2		30.0			
Benzyl chloride	++++ 1.2778	1.2017 1.2187	1.0672 1.3519	1.1820	1.1724	Ave		1.210 2				7.3		30.0			
n-Butylbenzene	++++ 1.6658	1.8020 1.6064	1.4962 1.7694	1.6674	1.6729	Ave		1.668 6				6.1		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, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921
SDG No.: 200-59052-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5		B	M1	M2								
n-Undecane	+++++ 1.3264	+++++ 1.3125	+++++ 1.4961	1.3356	1.4119	Ave		1.376 5				5.6		30.0			
1,2-Dichlorobenzene	+++++ 0.8285	1.2495 0.7939	0.8937 0.8846	0.8354	0.8381	Ave		0.903 4				17.3		30.0			
n-Dodecane	+++++ 0.8724	+++++ 0.8289	+++++ 1.1676	1.1390	1.3129	Ave		1.064 2				19.4		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6045	+++++ 0.5926	0.7217 0.5902	0.6659	0.7235	Ave		0.649 7				9.7		30.0			
Hexachlorobutadiene	+++++ 0.6842	0.8107 0.6863	0.6953 0.7846	0.6863	0.7150	Ave		0.723 2				7.3		30.0			
Naphthalene	+++++ 1.1967	+++++ 1.1532	1.7902 1.1532	1.5216	1.6885	Ave		1.417 2				20.2		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5093	+++++ 0.4975	0.5012 0.5497	0.5508	0.6374	Ave		0.541 0				9.8		30.0			

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921
SDG No.: 200-59052-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-167921/3	46375-03.D
Level 2	IC 200-167921/4	46375-04.D
Level 3	IC 200-167921/5	46375-05.D
Level 4	IC 200-167921/6	46375-06.D
Level 5	ICIS 200-167921/7	46375-07.D
Level 6	IC 200-167921/8	46375-08.D
Level 7	IC 200-167921/11	46375-11.D
Level 8	IC 200-167921/12	46375-12.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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 718743	+++++ 947107	+++++ 1948052	224732	480481	+++++ 15.5	+++++ 20.6	+++++ 41.3	4.64	10.3
Dichlorodifluoromethane	BCM	Ave	+++++ 1522392	+++++ 2057766	32816 4291689	460833	989743	+++++ 15.7	+++++ 20.9	0.471 41.8	4.70	10.4
Freon 22	BCM	Ave	+++++ 1176377	+++++ 1538963	22399 3151418	357220	775693	+++++ 15.7	+++++ 21.0	0.473 41.9	4.72	10.5
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1543632	14496 2071450	36644 4319086	455130	994143	+++++ 15.6	0.188 20.8	0.469 41.6	4.68	10.4
Chloromethane	BCM	Ave	+++++ 683915	+++++ 901223	16591 1872223	204804	457325	+++++ 16.4	+++++ 21.8	0.492 43.7	4.91	10.9
n-Butane	BCM	Ave	+++++ 1083741	+++++ 1401384	25261 2852156	327475	733099	+++++ 15.5	+++++ 20.7	0.467 41.4	4.66	10.4
Vinyl chloride	BCM	Ave	1618 663737	6149 871826	14668 1786461	194979	437686	0.0333 15.6	0.187 20.8	0.469 41.6	4.67	10.4
1,3-Butadiene	BCM	Ave	1263 515620	4745 671313	10891 1365613	153568	343008	0.0325 15.2	0.183 20.2	0.456 40.5	4.55	10.1
Bromomethane	BCM	Ave	+++++ 517311	4764 704131	11482 1426296	152247	339445	+++++ 15.5	0.186 20.6	0.465 41.2	4.64	10.3
Chloroethane	BCM	Ave	+++++ 316126	+++++ 436023	6146 901131	91461	202733	+++++ 15.6	+++++ 20.8	0.469 41.6	4.67	10.4
Isopentane	BCM	Ave	+++++ 910882	3802 1217517	11744 2400176	269783	604659	+++++ 15.7	0.188 20.9	0.471 41.8	4.70	10.4
Bromoethene (Vinyl Bromide)	BCM	Ave	+++++ 473593	4365 650095	11451 1364303	137084	298911	+++++ 15.6	0.188 20.8	0.470 41.7	4.69	10.4
Trichlorofluoromethane	BCM	Ave	+++++ 10707	10707	26973	380585	844077	+++++ 0.190	0.190	0.476	4.75	10.6

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921

SDG No.: 200-59052-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1300602	1756378	3639235			15.8	21.1	42.2		
n-Pentane	BCM	Ave	++++ 1351774	++++ 1800011	18801 3566318	397617	891801	++++ 15.2	++++ 20.3	0.457 40.5	4.56	10.1
Ethanol	BCM	Ave	++++ 871423	++++ 1124991	13260 2599399	220076	463081	++++ 30.0	++++ 40.0	0.902 100.0	6.75	15.0
Ethyl ether	BCM	Ave	++++ 453118	3004 617527	7775 1241929	133571	294009	++++ 15.1	0.182 20.2	0.455 40.3	4.54	10.1
Acrolein	BCM	Ave	++++ 278031	++++ 365124	++++ 747371	62663	138882	++++ 14.6	++++ 19.4	++++ 38.9	4.37	9.72
Freon TF	BCM	Ave	++++ 1048661	9060 1435866	24581 3012443	309672	675473	++++ 15.7	0.189 21.0	0.473 42.0	4.72	10.5
1,1-Dichloroethene	BCM	Ave	1009 501825	4585 690944	11420 1453567	147245	323282	0.0330 15.4	0.185 20.6	0.464 41.1	4.63	10.3
Acetone	BCM	Ave	++++ 1128759	++++ 1512311	++++ 3053178	343515	760971	++++ 15.4	++++ 20.5	++++ 41.0	4.61	10.2
Carbon disulfide	BCM	Ave	++++ 1683840	++++ 2288287	34282 4871838	490935	1079216	++++ 15.2	++++ 20.3	0.458 40.6	4.57	10.2
Isopropyl alcohol	BCM	Ave	++++ 1295622	++++ 1674111	++++ 3498669	400356	871692	++++ 15.3	++++ 20.4	++++ 40.9	4.60	10.2
3-Chloropropene	BCM	Ave	++++ 1087765	5352 1456757	15392 2639480	263753	620389	++++ 16.0	0.192 21.3	0.480 42.6	4.79	10.6
Acetonitrile	BCM	Ave	++++ 628686	++++ 898103	++++ 1700929	186902	433408	++++ 14.8	++++ 19.8	++++ 39.6	4.45	9.90
Methylene Chloride	BCM	Ave	++++ 872989	++++ 1185827	13654 2429472	256042	584961	++++ 15.4	++++ 20.6	0.464 41.1	4.63	10.3
tert-Butyl alcohol	BCM	Ave	++++ 1317569	++++ 1631369	++++ 3693518	405230	869643	++++ 16.2	++++ 21.6	++++ 43.1	4.85	10.8
trans-1,2-Dichloroethene	BCM	Ave	++++ 991186	6181 1349665	17635 2756651	292892	641268	++++ 15.3	0.184 20.4	0.460 40.8	4.59	10.2
Methyl tert-butyl ether	BCM	Ave	++++ 1683089	11410 2313608	31825 4862206	491885	1087537	++++ 15.7	0.189 20.9	0.471 41.8	4.70	10.4
Acrylonitrile	BCM	Ave	++++ 506257	++++ 674887	7648 1456497	149111	331651	++++ 15.2	++++ 20.2	0.456 40.4	4.55	10.1
n-Hexane	BCM	Ave	++++ 1072982	6096 1371886	19153 3008627	315421	690901	++++ 15.9	0.191 21.2	0.478 42.4	4.76	10.6

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921

SDG No.: 200-59052-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,1-Dichloroethane	BCM	Ave	2252 1208611	7342 1635360	21680 3325723	353561	781247	0.0321 15.0	0.180 20.0	0.451 40.0	4.50	10.00
Vinyl acetate	BCM	Ave	++++ 2216556	++++ 3004443	++++ 5823147	528731	1236341	++++ 15.6	++++ 20.8	++++ 41.6	4.67	10.4
cis-1,2-Dichloroethene	BCM	Ave	1525 560485	5169 770001	15135 1651069	163335	357271	0.0324 15.1	0.182 20.2	0.455 40.4	4.54	10.1
Methyl Ethyl Ketone	BCM	Ave	++++ 308993	++++ 428646	10625 904717	89067	197652	++++ 15.5	++++ 20.7	0.466 41.4	4.65	10.3
Ethyl acetate	BCM	Ave	++++ 47156	++++ 63427	++++ 134381	13613	29230	++++ 15.2	++++ 20.3	++++ 40.5	4.56	10.1
Tetrahydrofuran	DFBZ	Ave	++++ 1027697	++++ 1387116	++++ 2920612	300475	658454	++++ 15.0	++++ 20.0	++++ 40.0	4.49	9.99
Chloroform	BCM	Ave	++++ 1210442	12278 1650105	29999 3556479	352259	768912	++++ 15.1	0.182 20.2	0.455 40.4	4.54	10.1
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1159203	12085 1579502	29136 3477924	331644	728997	++++ 15.3	0.184 20.4	0.460 40.8	4.58	10.2
Cyclohexane	DFBZ	Ave	++++ 763068	8146 1045788	20730 2269493	219968	481002	++++ 15.2	0.183 20.3	0.458 40.6	4.57	10.1
Carbon tetrachloride	DFBZ	Ave	2316 1111226	10780 1521555	26910 3311906	313220	692335	0.0326 15.2	0.183 20.3	0.458 40.6	4.57	10.2
Benzene	DFBZ	Ave	++++ 1886452	22084 2571214	50482 5607847	545041	1189840	++++ 15.5	0.186 20.7	0.466 41.3	4.65	10.3
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 3678758	36818 4897455	85336 10852798	1058583	2323968	++++ 15.7	0.189 20.9	0.472 41.9	4.71	10.5
1,2-Dichloroethane	DFBZ	Ave	++++ 850991	8549 1125049	18760 2511950	247620	541042	++++ 15.5	0.187 20.7	0.467 41.4	4.66	10.4
n-Heptane	DFBZ	Ave	++++ 1681401	16078 2323157	37253 4967567	486610	1070091	++++ 15.8	0.190 21.0	0.474 42.0	4.73	10.5
n-Butanol	DFBZ	Ave	++++ 477581	++++ 630772	++++ 1402153	148608	321074	++++ 14.3	++++ 19.1	++++ 38.2	4.30	9.55
Trichloroethene	DFBZ	Ave	2464 744350	9402 1035523	22261 2266333	219956	489587	0.0338 15.8	0.190 21.1	0.475 42.1	4.74	10.5
1,2-Dichloropropane	DFBZ	Ave	++++ 765755	9106 1052641	21991 2281505	220559	486528	++++ 15.5	0.186 20.6	0.465 41.2	4.64	10.3
Methyl methacrylate	DFBZ	Ave	++++	++++	18743	186723	433303	++++	++++	0.458	4.57	10.2

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921

SDG No.: 200-59052-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			696462	964407	2219532			15.2	20.3	40.6		
Dibromomethane	DFBZ	Ave	++++ 633786	7790 842801	19306 1931468	209085	447851	++++ 15.4	0.186 20.6	0.465 41.2	4.63	10.3
1,4-Dioxane	DFBZ	Ave	++++ 324988	++++ 427798	++++ 954554	104912	221060	++++ 15.9	++++ 21.2	++++ 42.3	4.76	10.6
Bromodichloromethane	DFBZ	Ave	++++ 1211234	13018 1655087	32713 3696127	332682	741149	++++ 15.9	0.191 21.1	0.477 42.3	4.76	10.6
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 1147003	12997 1575591	31492 3485964	323019	725129	++++ 15.6	0.187 20.8	0.469 41.6	4.67	10.4
Methyl isobutyl ketone	DFBZ	Ave	++++ 2009840	++++ 2756587	55284 6121497	569330	1285932	++++ 15.4	++++ 20.5	0.462 41.0	4.61	10.2
Toluene	CBNZ d5	Ave	++++ 1161974	13744 1590438	36814 3539254	346519	745740	++++ 15.2	0.183 20.3	0.458 40.6	4.57	10.2
n-Octane	DFBZ	Ave	++++ 2177963	25892 2986044	61567 6654160	625156	1387056	++++ 15.5	0.186 20.7	0.466 41.3	4.65	10.3
trans-1,3-Dichloropropene	DFBZ	Ave	++++ 975628	10764 1343492	27578 2981656	273247	613719	++++ 14.8	0.178 19.8	0.446 39.5	4.45	9.88
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 631246	7519 862016	18635 1915836	180327	395682	++++ 15.7	0.189 21.0	0.473 41.9	4.72	10.5
Tetrachloroethene	CBNZ d5	Ave	4130 914064	16357 1186011	42783 2660041	299307	634321	0.0337 15.7	0.189 21.0	0.474 42.0	4.72	10.5
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 1840407	++++ 2545111	84705 5754255	531994	1224073	++++ 15.0	++++ 20.0	0.451 40.0	4.49	9.99
Dibromochloromethane	CBNZ d5	Ave	++++ 1101627	10380 1511679	28329 3347117	277122	630822	++++ 14.5	0.175 19.4	0.437 38.7	4.36	9.68
1,2-Dibromoethane	CBNZ d5	Ave	++++ 1014732	11146 1395715	32039 3098107	295992	649819	++++ 15.9	0.191 21.2	0.478 42.4	4.77	10.6
Chlorobenzene	CBNZ d5	Ave	++++	18238	49427	434322	939061	++++	0.189	0.473	4.72	10.5

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921

SDG No.: 200-59052-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1461635	2079411	4405236			15.7	21.0	42.0		
Ethylbenzene	CBNZ d5	Ave	++++	29684	80499	750330	1653403	++++	0.184	0.461	4.60	10.2
			2595261	3664461	8083691			15.3	20.4	40.9		
n-Nonane	CBNZ d5	Ave	++++	19557	48174	475758	1079741	++++	0.189	0.473	4.72	10.5
			1729854	2441254	5699280			15.7	21.0	41.9		
m,p-Xylene	CBNZ d5	Ave	++++	21954	59768	560888	1240111	++++	0.371	0.927	9.25	20.6
			1978872	2774720	6452898			30.8	41.1	82.2		
Xylene, o-	CBNZ d5	Ave	++++	11158	30263	272276	598341	++++	0.187	0.467	4.66	10.4
			939752	1286093	2844711			15.5	20.7	41.4		
Styrene	CBNZ d5	Ave	++++	17579	44813	433218	973874	++++	0.186	0.465	4.64	10.3
			1533190	2073496	4607927			15.5	20.6	41.3		
Bromoform	CBNZ d5	Ave	++++	8062	20302	209328	461061	++++	0.186	0.464	4.63	10.3
			1110208	1486559	3190927			15.4	20.6	41.2		
Cumene	CBNZ d5	Ave	++++	34993	83605	809310	1774971	++++	0.188	0.470	4.69	10.4
			2801559	3834970	8643192			15.6	20.9	41.7		
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++	20110	46589	452525	998627	++++	0.187	0.466	4.65	10.3
			1641553	2232847	5075773			15.5	20.7	41.4		
1,2,3-Trichloropropane	CBNZ d5	Ave	++++	++++	41442	380681	856558	++++	++++	0.478	4.76	10.6
			1357129	1879506	4325844			15.9	21.2	42.4		
n-Propylbenzene	CBNZ d5	Ave	++++	47907	107420	1047354	2360641	++++	0.188	0.469	4.68	10.4
			3742234	5216426	11895422			15.6	20.8	41.6		
2-Chlorotoluene	CBNZ d5	Ave	++++	33229	74056	710768	1607077	++++	0.188	0.471	4.70	10.4
			2563451	3606250	8582991			15.7	20.9	41.8		

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921

SDG No.: 200-59052-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Ethyltoluene	CBNZ d5	Ave	++++ 2941138	35953 4127649	85045 9678260	828920	1868116	++++ 15.5	0.186 20.7	0.466 41.3	4.65	10.3
n-Decane	CBNZ d5	Ave	++++ 2140003	++++ 2985404	62840 7005150	615814	1378991	++++ 15.6	++++ 20.8	0.470 41.7	4.69	10.4
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 2281436	30492 3159137	70666 7340744	656035	1497855	++++ 15.6	0.187 20.8	0.469 41.6	4.67	10.4
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 1186199	15197 1637863	33197 3664547	333624	774301	++++ 15.3	0.184 20.4	0.460 40.8	4.59	10.2
tert-Butylbenzene	CBNZ d5	Ave	++++ 2180127	31709 2986112	66119 6906398	625276	1413149	++++ 15.5	0.187 20.7	0.467 41.4	4.66	10.4
1,2,4-Trimethylbenzene	CBNZ d5	Ave	++++ 2303340	32227 3184246	70534 7254296	668975	1507098	++++ 15.6	0.188 20.8	0.469 41.6	4.68	10.4
sec-Butylbenzene	CBNZ d5	Ave	++++ 3576981	48132 4937027	107217 11276037	1022471	2303864	++++ 15.7	0.189 20.9	0.472 41.8	4.71	10.5
4-Isopropyltoluene	CBNZ d5	Ave	++++ 3051396	39282 4267395	81605 9934879	826108	1927585	++++ 15.5	0.186 20.6	0.465 41.2	4.64	10.3
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 1631212	24648 2254143	52104 5106754	460728	1062513	++++ 15.9	0.191 21.2	0.477 42.3	4.76	10.6
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 1539029	26265 2108485	53914 4680393	452339	1009928	++++ 15.7	0.189 20.9	0.472 41.9	4.71	10.5
Benzyl chloride	CBNZ d5	Ave	++++ 2406918	27243 3298005	64554 7448198	626683	1411591	++++ 15.9	0.191 21.2	0.477 42.3	4.76	10.6
n-Butylbenzene	CBNZ d5	Ave	++++	40120	88877	868164	1977968	++++	0.187	0.469	4.67	10.4

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1 Analy Batch No.: 167921

SDG No.: 200-59052-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2021 15:44 Calibration End Date: 06/14/2021 23:55 Calibration ID: 46016

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			3081414	4269043	9573425			15.6	20.8	41.6		
n-Undecane	CBNZ d5	Ave	+++++	+++++	+++++	700089	1680573	+++++	+++++	+++++	4.71	10.5
			2470162	3511515	8149499			15.7	20.9	41.8		
1,2-Dichlorobenzene	CBNZ d5	Ave	+++++	27953	53341	437055	995732	+++++	0.188	0.471	4.70	10.4
			1539888	2120042	4809049			15.7	20.9	41.8		
n-Dodecane	CBNZ d5	Ave	+++++	+++++	+++++	534277	1398447	+++++	+++++	+++++	4.21	9.36
			1453733	1984450	5691185			14.0	18.7	37.4		
1,2,4-Trichlorobenzene	CBNZ d5	Ave	+++++	+++++	44809	362407	894124	+++++	+++++	0.490	4.89	10.9
			1168767	1645994	3337819			16.3	21.7	43.4		
Hexachlorobutadiene	CBNZ d5	Ave	+++++	17823	40787	352870	834752	+++++	0.185	0.463	4.62	10.3
			1249837	1801105	4192032			15.4	20.5	41.0		
Naphthalene	CBNZ d5	Ave	+++++	+++++	99484	741163	1867711	+++++	+++++	0.438	4.37	9.72
			2070891	2867020	5836894			14.6	19.4	38.9		
1,2,3-Trichlorobenzene	CBNZ d5	Ave	+++++	+++++	26134	251718	661562	+++++	+++++	0.411	4.10	9.12
			826955	1160431	2610855			13.7	18.2	36.5		

Curve Type Legend

Ave = Average ISTD

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-03.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Jun-2021 15:44:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-003
 Misc. Info.: ic1
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:22:54 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: guazzonig

Date: 14-Jun-2021 16:30:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.833	2.827	0.006	94	2893	0.0331	0.0629	
2 Dichlorodifluoromethane	85	2.891	2.891	0.000	98	2780	0.0335	0.0301	
3 Chlorodifluoromethane	51	2.934	2.929	0.005	95	2005	0.0336	0.0289	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.132	3.132	0.000	91	3367	0.0334	0.0362	
5 Chloromethane	50	3.238	3.238	0.000	93	1823	0.0350	0.0455	
6 Butane	43	3.431	3.431	0.001	96	2540	0.0332	0.0384	
7 Vinyl chloride	62	3.463	3.457	0.006	93	1618	0.0333	0.0398	
8 Butadiene	54	3.537	3.532	0.005	80	1263	0.0325	0.0392	
10 Bromomethane	94	4.135	4.130	0.005	92	1116	0.0331	0.0357	
11 Chloroethane	64		4.354				ND	ND	
12 2-Methylbutane	43	4.450	4.455	-0.005	31	1040	0.0335	0.0219	
13 Vinyl bromide	106	4.722	4.722	0.000	32	955	0.0334	0.0334	
14 Trichlorofluoromethane	101	4.845	4.839	0.006	73	1423	0.0339	0.0190	
16 Pentane	43	4.989	4.994	-0.005	58	1412	0.0325	0.0178	
17 Ethanol	45	5.480	5.416	0.064	50	1071	0.0642	0.0402	
18 Ethyl ether	59	5.597	5.512	0.085	43	327	0.0323	0.0125	
19 Acrolein	56		5.805				ND	ND	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.891	5.891	0.000	92	1974	0.0336	0.0316	
21 1,1-Dichloroethene	96	5.902	5.901	0.001	76	1009	0.0330	0.0329	
22 Acetone	43	6.206	6.126	0.080	97	7795	0.0328	0.1072	
23 Carbon disulfide	76	6.264	6.264	0.000	94	2440	0.0326	0.0235	
24 Isopropyl alcohol	45	6.590	6.494	0.096	20	1580	0.0328	0.0190	
25 3-Chloro-1-propene	41	6.654	6.654	0.000	30	828	0.0342	0.0157	
26 Acetonitrile	41	6.675	6.718	-0.043	70	1264	0.0317	0.0298	
27 Methylene Chloride	49	6.942	6.932	0.010	77	864	0.0330	0.0167	
28 2-Methyl-2-propanol	59	7.412	7.273	0.139	66	1886	0.0346	0.0236	
31 trans-1,2-Dichloroethene	61	7.396	7.396	0.000	92	926	0.0327	0.0164	
29 Methyl tert-butyl ether	73	7.556	7.412	0.144	58	2750	0.0335	0.0288	
32 Acrylonitrile	53		7.471				ND	ND	
33 Hexane	57	7.839	7.828	0.011	81	2005	0.0340	0.0346	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.223	8.228	-0.005	1	2252	0.0321	0.0322	
35 Vinyl acetate	43	8.383	8.335	0.048	46	1414	0.0333	0.0110	
37 cis-1,2-Dichloroethene	96	9.317	9.312	0.005	93	1525	0.0324	0.0411	M
38 2-Butanone (MEK)	72	9.467	9.365	0.102	92	1414	0.0332	0.0693	
39 Ethyl acetate	88		9.461				ND	ND	
* 40 Chlorobromomethane	128	9.749	9.755	-0.006	97	515195	20.0	20.0	
41 Tetrahydrofuran	42	9.926	9.819	0.107	85	1950	0.0320	0.0280	
42 Chloroform	83	9.915	9.910	0.005	94	3149	0.0324	0.0410	
44 1,1,1-Trichloroethane	97	10.187	10.182	0.005	26	888	0.0327	0.0120	
43 Cyclohexane	84	10.182	10.192	-0.010	85	1600	0.0326	0.0323	
S 30 1,2-Dichloroethene, Total	61				0		0.0651	0.0575	
45 Carbon tetrachloride	117	10.465	10.449	0.016	95	2316	0.0326	0.0331	
47 Benzene	78	10.881	10.875	0.006	98	6178	0.0331	0.0508	
46 Isooctane	57		10.929				ND	ND	
48 1,2-Dichloroethane	62		11.025				ND	ND	
49 n-Heptane	43	11.329	11.334	-0.005	94	3956	0.0337	0.0389	
* 50 1,4-Difluorobenzene	114	11.719	11.719	0.000	96	2665864	20.0	20.0	
53 Trichloroethene	95	12.194	12.194	0.000	87	2464	0.0338	0.0473	
52 n-Butanol	56	12.290	12.199	0.091	47	1957	0.0306	0.0563	
54 1,2-Dichloropropane	63	12.695	12.695	0.000	34	1703	0.0331	0.0339	
55 Methyl methacrylate	69		12.930				ND	ND	
57 Dibromomethane	174	12.952	12.946	0.006	93	1672	0.0330	0.0383	
56 1,4-Dioxane	88	13.224	12.978	0.246	1	250	0.0339	0.0116	
58 Dichlorobromomethane	83	13.277	13.272	0.005	9	2242	0.0339	0.0299	
60 cis-1,3-Dichloropropene	75	14.243	14.232	0.011	93	2098	0.0333	0.0285	
61 4-Methyl-2-pentanone (MIBK)	43	14.638	14.553	0.085	54	2368	0.0328	0.0179	
A 63 Toluene Range	1	14.846	(14.806-14.886)		0	17271	NC	NC	
65 Toluene	92	14.851	14.846	0.005	91	3766	0.0326	0.0433	
A 62 C8 Range	1	15.012	(14.962-15.062)		0	8200	NC	NC	
64 n-Octane	43	15.028	15.012	0.016	93	5661	0.0331	0.0397	
66 trans-1,3-Dichloropropene	75	15.620	15.439	0.181	40	366	0.0317	0.005563	
67 1,1,2-Trichloroethane	83		15.801				ND	ND	
68 Tetrachloroethene	166	15.967	15.972	-0.005	94	4130	0.0337	0.0503	
69 2-Hexanone	43	16.362	16.308	0.054	54	2000	0.0320	0.0132	
71 Chlorodibromomethane	129	16.581	16.575	0.006	94	2715	0.0310	0.0346	
72 Ethylene Dibromide	107	16.831	16.821	0.010	32	2227	0.0340	0.0310	
* 74 Chlorobenzene-d5	117	17.755	17.755	0.000	89	2698638	20.0	20.0	
75 Chlorobenzene	112	17.819	17.813	0.006	52	4866	0.0336	0.0450	
76 Ethylbenzene	91	18.006	17.990	0.016	96	7974	0.0328	0.0415	
77 n-Nonane	57	18.214	18.214	0.000	95	4530	0.0336	0.0369	
78 m-Xylene & p-Xylene	106	18.262	18.246	0.016	0	5717	0.0659	0.0790	
79 o-Xylene	106	19.094	19.078	0.016	63	1360	0.0332	0.0198	
80 Styrene	104	19.142	19.126	0.016	63	779	0.0331	0.007091	
81 Bromoform	173	19.537	19.537	0.000	91	1841	0.0330	0.0291	
82 Isopropylbenzene	105	19.825	19.825	0.000	97	7818	0.0334	0.0384	
S 73 Xylenes, Total	106				0		0.0992	0.0988	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	97	2003101	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	94	4672	0.0332	0.0398	
86 1,2,3-Trichloropropane	75	20.599	20.599	0.000	75	4492	0.0340	0.0463	
85 N-Propylbenzene	91	20.631	20.621	0.010	99	11231	0.0334	0.0412	
89 2-Chlorotoluene	91	20.818	20.818	0.000	95	8654	0.0335	0.0461	
88 4-Ethyltoluene	105	20.840	20.829	0.011	96	8507	0.0331	0.0394	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.888	20.888	0.000	88	6370	0.0334	0.0407	
90 1,3,5-Trimethylbenzene	105	20.952	20.946	0.006	92	6841	0.0333	0.0400	
91 Alpha Methyl Styrene	118	21.341	21.336	0.005	88	2921	0.0327	0.0333	
92 tert-Butylbenzene	119	21.464	21.464	0.000	94	6806	0.0332	0.0414	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	97	7213	0.0334	0.0417	
94 sec-Butylbenzene	105	21.811	21.811	0.000	98	10568	0.0335	0.0401	
95 4-Isopropyltoluene	119	22.035	22.030	0.005	96	9179	0.0331	0.0413	
96 1,3-Dichlorobenzene	146	22.040	22.035	0.005	94	5409	0.0339	0.0444	
97 1,4-Dichlorobenzene	146	22.190	22.174	0.016	90	5763	0.0336	0.0478	
98 Benzyl chloride	91	22.366	22.366	0.000	66	2424	0.0339	0.0148	
100 n-Butylbenzene	91	22.622	22.611	0.011	99	8869	0.0333	0.0394	
99 Undecane	57	22.697	22.691	0.006	95	6030	0.0335	0.0325	
101 1,2-Dichlorobenzene	146	22.707	22.702	0.005	94	6688	0.0335	0.0549	
102 Dodecane	57	24.186	24.186	0.000	1	1622	0.0300	0.0113	
103 1,2,4-Trichlorobenzene	180	25.034	25.029	0.005	89	4013	0.0348	0.0458	
104 Hexachlorobutadiene	225	25.232	25.237	-0.005	95	4361	0.0329	0.0447	
105 Naphthalene	128	25.451	25.440	0.011	97	11664	0.0312	0.0610	
106 1,2,3-Trichlorobenzene	180	25.888	25.878	0.010	86	2927	0.0292	0.0401	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00229

Amount Added: 32.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:22:54

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-03.D

Injection Date: 14-Jun-2021 15:44:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

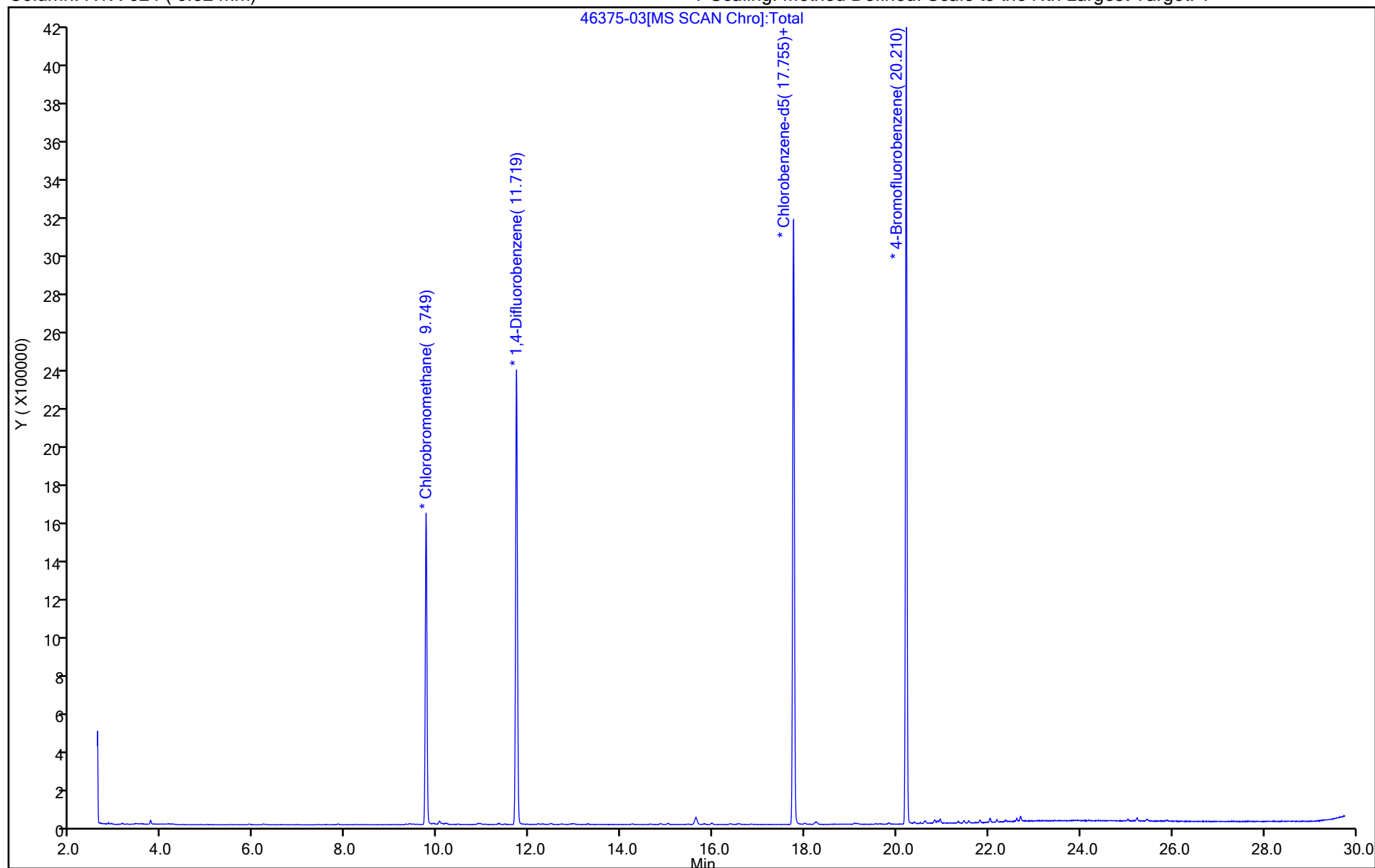
ALS Bottle#: 2

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-03.D

Injection Date: 14-Jun-2021 15:44:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

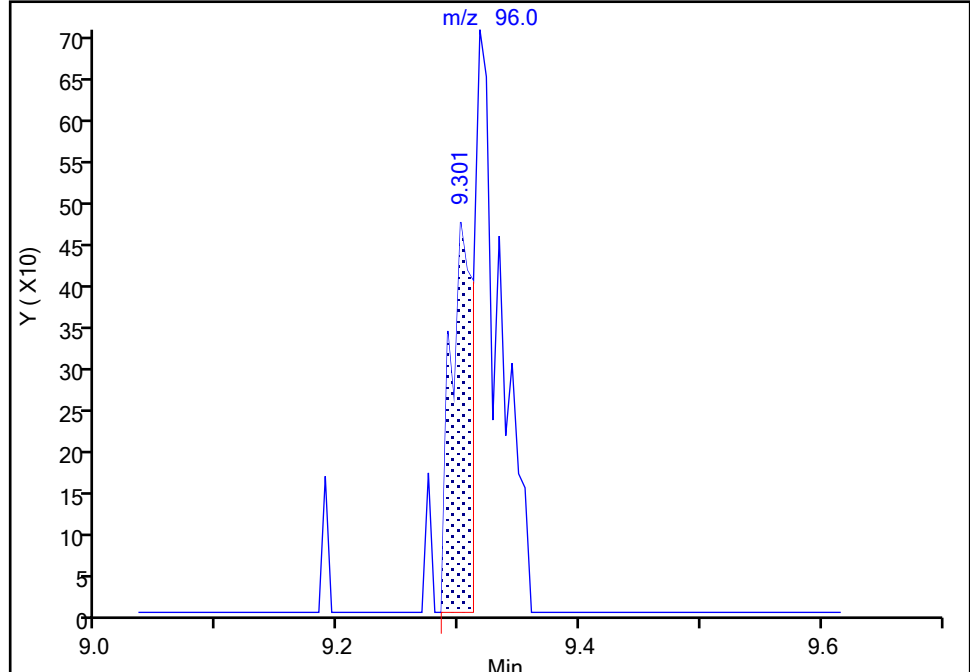
MS SCAN

37 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

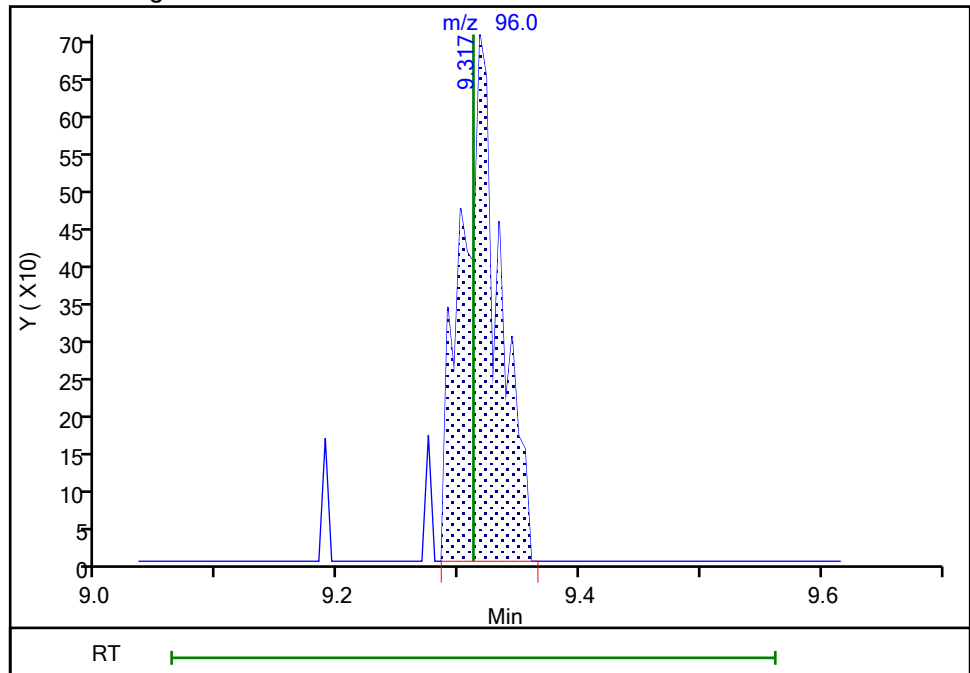
RT: 9.30
Area: 603
Amount: 0.018880
Amount Units: ppb v/v

Processing Integration Results



RT: 9.32
Area: 1525
Amount: 0.041146
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 15-Jun-2021 09:02:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-04.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Jun-2021 16:39:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-004
 Misc. Info.: ic2
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:22:55 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: phamvu

Date: 15-Jun-2021 09:05:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.827	2.827	0.000	95	5958	0.1862	0.1438	
2 Dichlorodifluoromethane	85	2.891	2.891	0.000	99	13012	0.1883	0.1564	
3 Chlorodifluoromethane	51	2.934	2.929	0.005	97	8379	0.1891	0.1343	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.132	3.132	0.000	96	14496	0.1878	0.1729	
5 Chloromethane	50	3.244	3.238	0.006	99	7305	0.1970	0.2024	
6 Butane	43	3.430	3.431	0.000	97	9858	0.1869	0.1654	
7 Vinyl chloride	62	3.462	3.457	0.005	97	6149	0.1874	0.1681	
8 Butadiene	54	3.532	3.532	0.000	96	4745	0.1826	0.1634	
10 Bromomethane	94	4.130	4.130	0.000	97	4764	0.1860	0.1693	
11 Chloroethane	64	4.359	4.354	0.005	42	1746	0.1874	0.1025	
12 2-Methylbutane	43	4.455	4.455	0.000	90	3802	0.1883	0.0890	
13 Vinyl bromide	106	4.717	4.722	-0.005	98	4365	0.1880	0.1696	
14 Trichlorofluoromethane	101	4.839	4.839	0.000	97	10707	0.1905	0.1587	
16 Pentane	43	4.989	4.994	-0.005	96	7052	0.1827	0.0988	
17 Ethanol	45	5.480	5.416	0.064	96	5718	0.3608	0.2385	
18 Ethyl ether	59	5.581	5.512	0.069	96	3004	0.1818	0.1275	
19 Acrolein	56	5.843	5.805	0.038	42	1972	0.1753	0.1311	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.896	5.891	0.005	95	9060	0.1892	0.1611	
21 1,1-Dichloroethene	96	5.896	5.901	-0.005	95	4585	0.1854	0.1662	
22 Acetone	43	6.195	6.126	0.069	97	18806	0.1847	0.2872	
23 Carbon disulfide	76	6.264	6.264	0.000	99	12185	0.1833	0.1304	
24 Isopropyl alcohol	45	6.590	6.494	0.096	97	6215	0.1844	0.0829	
25 3-Chloro-1-propene	41	6.659	6.654	0.005	96	5352	0.1921	0.1127	
26 Acetonitrile	41	6.755	6.718	0.037	99	3607	0.1786	0.0945	
27 Methylene Chloride	49	6.937	6.932	0.005	92	4960	0.1854	0.1064	
28 2-Methyl-2-propanol	59	7.406	7.273	0.133	84	8604	0.1945	0.1197	
31 trans-1,2-Dichloroethene	61	7.396	7.396	0.000	96	6181	0.1840	0.1214	
29 Methyl tert-butyl ether	73	7.524	7.412	0.112	86	11410	0.1885	0.1325	
32 Acrylonitrile	53	7.508	7.471	0.037	33	2373	0.1824	0.0867	
33 Hexane	57	7.823	7.828	-0.005	92	6096	0.1910	0.1169	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.239	8.228	0.011	95	7342	0.1804	0.1166	
35 Vinyl acetate	43	8.367	8.335	0.032	99	8080	0.1874	0.0697	
37 cis-1,2-Dichloroethene	96	9.306	9.312	-0.006	90	5169	0.1822	0.1549	
38 2-Butanone (MEK)	72	9.450	9.365	0.085	100	3660	0.1865	0.1993	
39 Ethyl acetate	88		9.461				ND	ND	
* 40 Chlorobromomethane	128	9.755	9.755	0.000	88	463925	20.0	20.0	
41 Tetrahydrofuran	42	9.904	9.819	0.085	67	8444	0.1802	0.1236	
42 Chloroform	83	9.909	9.910	-0.001	96	12278	0.1822	0.1774	
44 1,1,1-Trichloroethane	97	10.187	10.182	0.005	95	12085	0.1838	0.1667	M
43 Cyclohexane	84	10.187	10.192	-0.005	89	8146	0.1831	0.1677	M
S 30 1,2-Dichloroethene, Total	61				0		0.3662	0.2763	
45 Carbon tetrachloride	117	10.443	10.449	-0.006	97	10780	0.1833	0.1571	
47 Benzene	78	10.870	10.875	-0.005	97	22084	0.1863	0.1852	
46 Isooctane	57	10.929	10.929	0.000	97	36818	0.1889	0.1676	
48 1,2-Dichloroethane	62	11.041	11.025	0.016	93	8549	0.1869	0.1671	
49 n-Heptane	43	11.334	11.334	0.000	95	16078	0.1896	0.1613	
* 50 1,4-Difluorobenzene	114	11.719	11.719	0.000	96	2611404	20.0	20.0	
53 Trichloroethene	95	12.199	12.194	0.005	96	9402	0.1900	0.1843	
52 n-Butanol	56	12.258	12.199	0.059	97	11339	0.1723	0.3329	
54 1,2-Dichloropropane	63	12.695	12.695	0.000	92	9106	0.1860	0.1852	
55 Methyl methacrylate	69	12.973	12.930	0.043	88	6580	0.1833	0.1467	
57 Dibromomethane	174	12.951	12.946	0.005	96	7790	0.1858	0.1823	
56 1,4-Dioxane	88	13.133	12.978	0.155	92	4870	0.1909	0.2304	
58 Dichlorobromomethane	83	13.266	13.272	-0.006	97	13018	0.1907	0.1772	M
60 cis-1,3-Dichloropropene	75	14.238	14.232	0.006	96	12997	0.1874	0.1804	
61 4-Methyl-2-pentanone (MIBK)	43	14.622	14.553	0.069	97	22582	0.1847	0.1746	
A 63 Toluene Range	1	14.846	(14.806-14.886)		0	64517	NC	NC	
65 Toluene	92	14.857	14.846	0.011	92	13744	0.1833	0.1794	
A 62 C8 Range	1	15.018	(14.962-15.062)		0	82341	NC	NC	
64 n-Octane	43	15.017	15.012	0.005	97	25892	0.1863	0.1854	
66 trans-1,3-Dichloropropene	75	15.454	15.439	0.015	94	10764	0.1782	0.1670	
67 1,1,2-Trichloroethane	83	15.807	15.801	0.006	95	7519	0.1891	0.1900	
68 Tetrachloroethene	166	15.972	15.972	0.000	95	16357	0.1894	0.2264	
69 2-Hexanone	43	16.346	16.308	0.038	91	33566	0.1802	0.2508	
71 Chlorodibromomethane	129	16.570	16.575	-0.005	95	10380	0.1746	0.1503	
72 Ethylene Dibromide	107	16.821	16.821	0.000	99	11146	0.1914	0.1763	
* 74 Chlorobenzene-d5	117	17.755	17.755	0.000	90	2375680	20.0	20.0	
75 Chlorobenzene	112	17.813	17.813	0.000	95	18238	0.1892	0.1915	
76 Ethylbenzene	91	17.995	17.990	0.005	99	29684	0.1844	0.1755	
77 n-Nonane	57	18.219	18.214	0.005	94	19557	0.1891	0.1810	
78 m-Xylene & p-Xylene	106	18.256	18.246	0.010	0	21954	0.3709	0.3448	
79 o-Xylene	106	19.073	19.078	-0.005	97	11158	0.1869	0.1843	
80 Styrene	104	19.142	19.126	0.016	96	17579	0.1862	0.1818	M
81 Bromoform	173	19.543	19.537	0.006	95	8062	0.1856	0.1450	
82 Isopropylbenzene	105	19.825	19.825	0.000	97	34993	0.1882	0.1955	
S 73 Xylenes, Total	106				0		0.5578	0.5291	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	91	1934683	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	98	20110	0.1865	0.1944	
86 1,2,3-Trichloropropane	75	20.605	20.599	0.006	99	18936	0.1910	0.2219	
85 N-Propylbenzene	91	20.621	20.621	0.000	98	47907	0.1876	0.1997	
89 2-Chlorotoluene	91	20.818	20.818	0.000	97	33229	0.1883	0.2009	
88 4-Ethyltoluene	105	20.834	20.829	0.005	98	35953	0.1863	0.1889	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.887	20.888	-0.001	87	27428	0.1880	0.1990	
90 1,3,5-Trimethylbenzene	105	20.951	20.946	0.005	93	30492	0.1874	0.2027	
91 Alpha Methyl Styrene	118	21.336	21.336	0.000	90	15197	0.1840	0.1966	
92 tert-Butylbenzene	119	21.464	21.464	0.000	93	31709	0.1869	0.2189	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	98	32227	0.1876	0.2117	
94 sec-Butylbenzene	105	21.811	21.811	0.000	99	48132	0.1887	0.2076	
95 4-Isopropyltoluene	119	22.030	22.030	0.000	98	39282	0.1860	0.2007	
96 1,3-Dichlorobenzene	146	22.040	22.035	0.005	95	24648	0.1909	0.2296	
97 1,4-Dichlorobenzene	146	22.179	22.174	0.005	95	26265	0.1889	0.2475	
98 Benzyl chloride	91	22.371	22.366	0.005	98	27243	0.1909	0.1895	
100 n-Butylbenzene	91	22.617	22.611	0.006	98	40120	0.1874	0.2024	
99 Undecane	57	22.691	22.691	0.000	96	26800	0.1887	0.1639	
101 1,2-Dichlorobenzene	146	22.702	22.702	0.000	96	27953	0.1883	0.2605	
102 Dodecane	57	24.191	24.186	0.005	91	5064	0.1689	0.0401	
103 1,2,4-Trichlorobenzene	180	25.034	25.029	0.005	93	16823	0.1959	0.2180	
104 Hexachlorobutadiene	225	25.232	25.237	-0.005	96	17823	0.1851	0.2075	
105 Naphthalene	128	25.450	25.440	0.010	99	44980	0.1753	0.2672	
106 1,2,3-Trichlorobenzene	180	25.877	25.878	-0.001	95	10042	0.1645	0.1563	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00229

Amount Added: 180.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:22:56

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-04.D

Injection Date: 14-Jun-2021 16:39:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

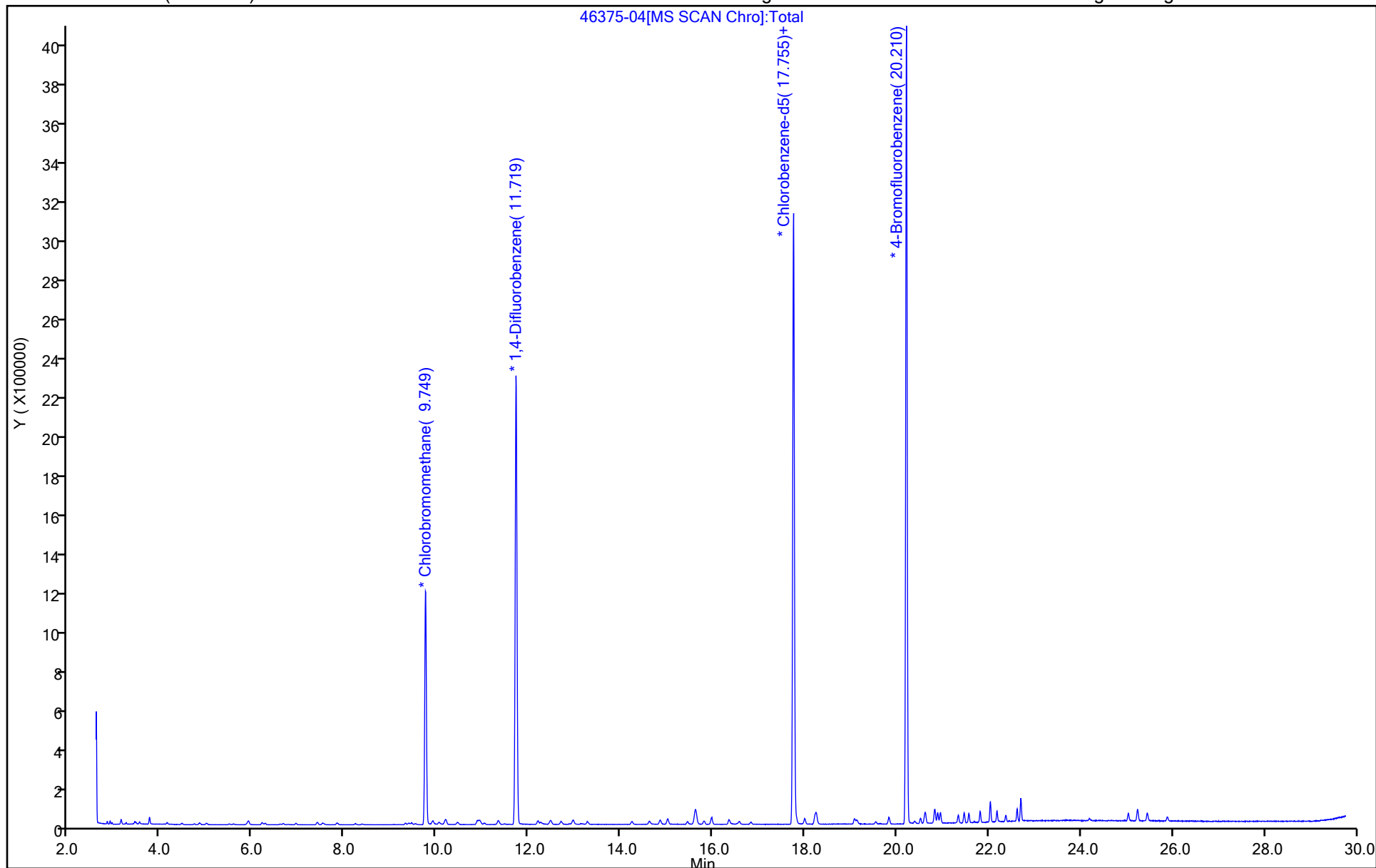
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-04.D

Injection Date: 14-Jun-2021 16:39:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

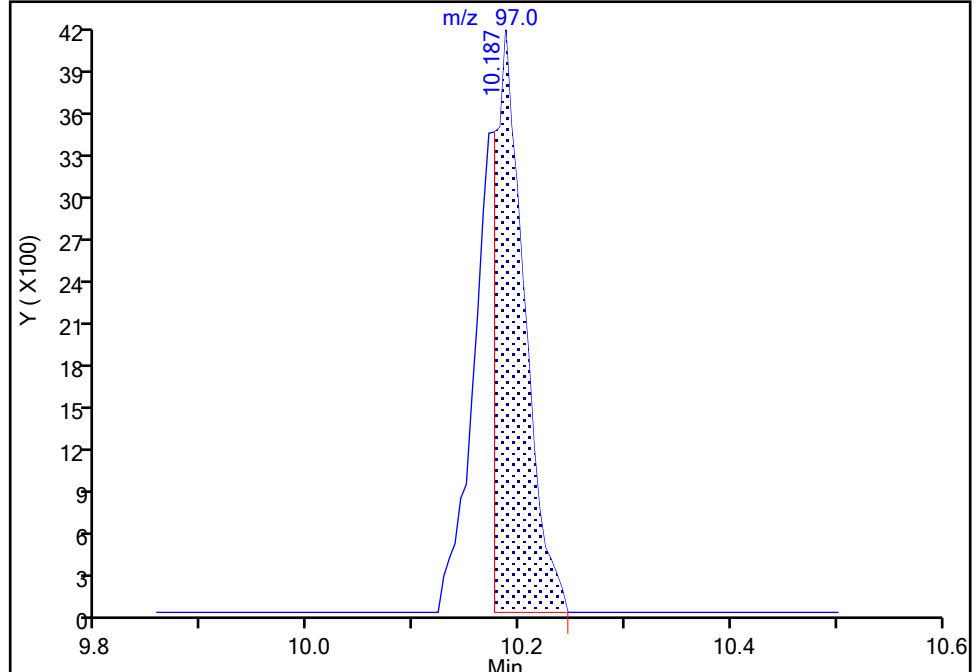
Detector: MS SCAN

44 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

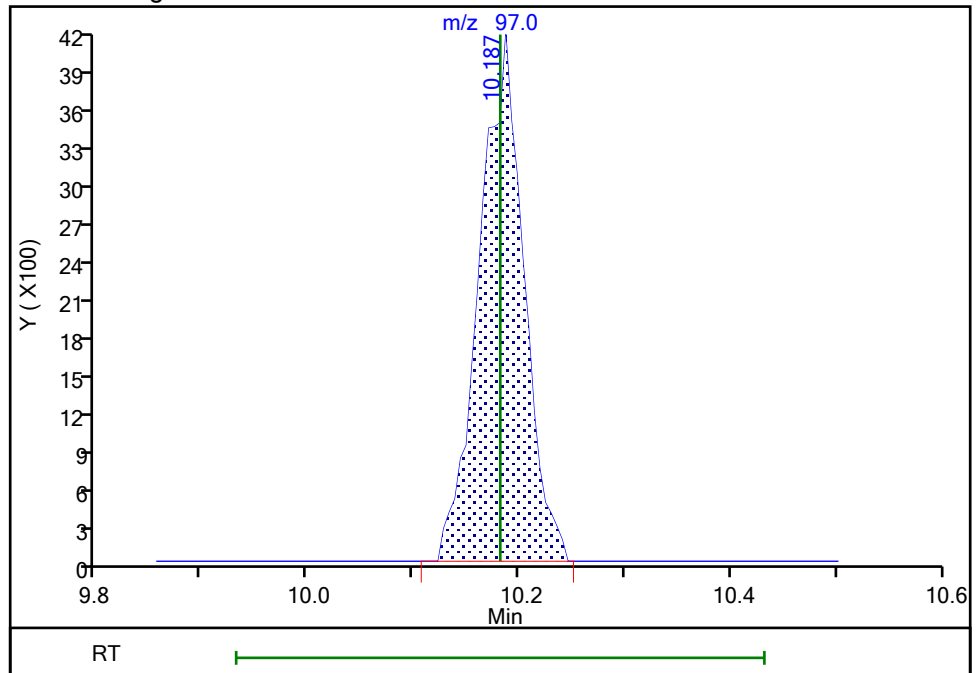
RT: 10.19
Area: 7993
Amount: 0.138600
Amount Units: ppb v/v

Processing Integration Results



RT: 10.19
Area: 12085
Amount: 0.166691
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 15-Jun-2021 09:04:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

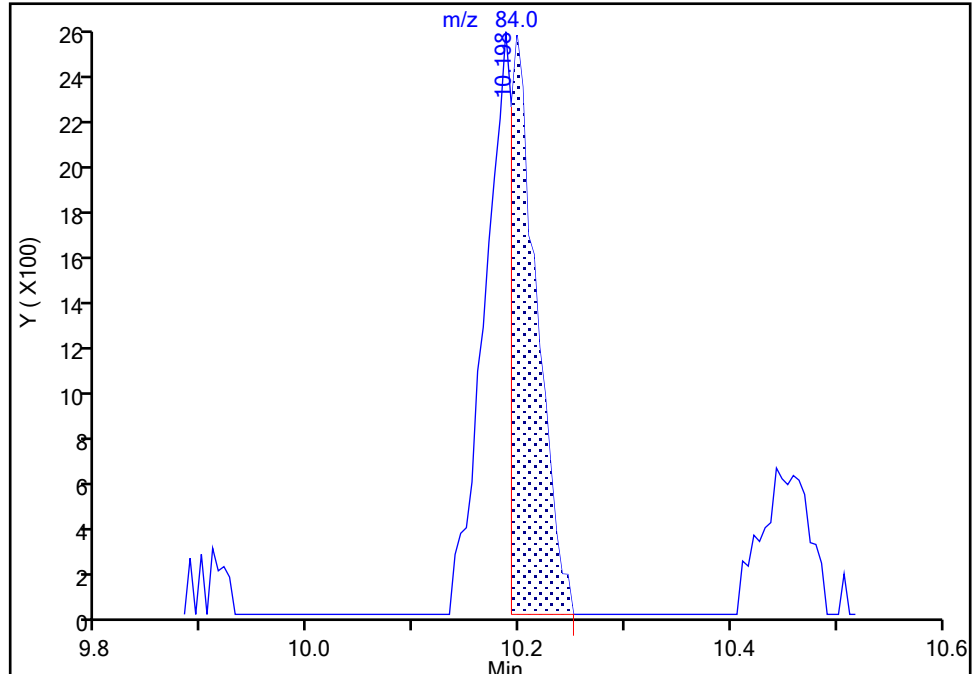
Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-04.D
Injection Date: 14-Jun-2021 16:39:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

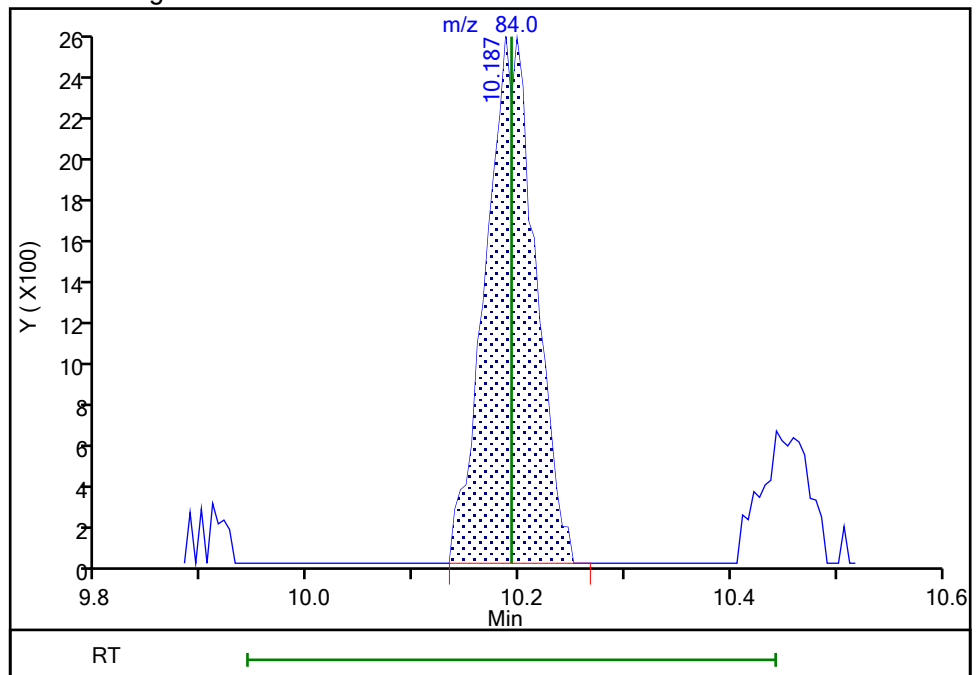
RT: 10.20
Area: 4327
Amount: 0.098663
Amount Units: ppb v/v

Processing Integration Results



RT: 10.19
Area: 8146
Amount: 0.167667
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 15-Jun-2021 09:04:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

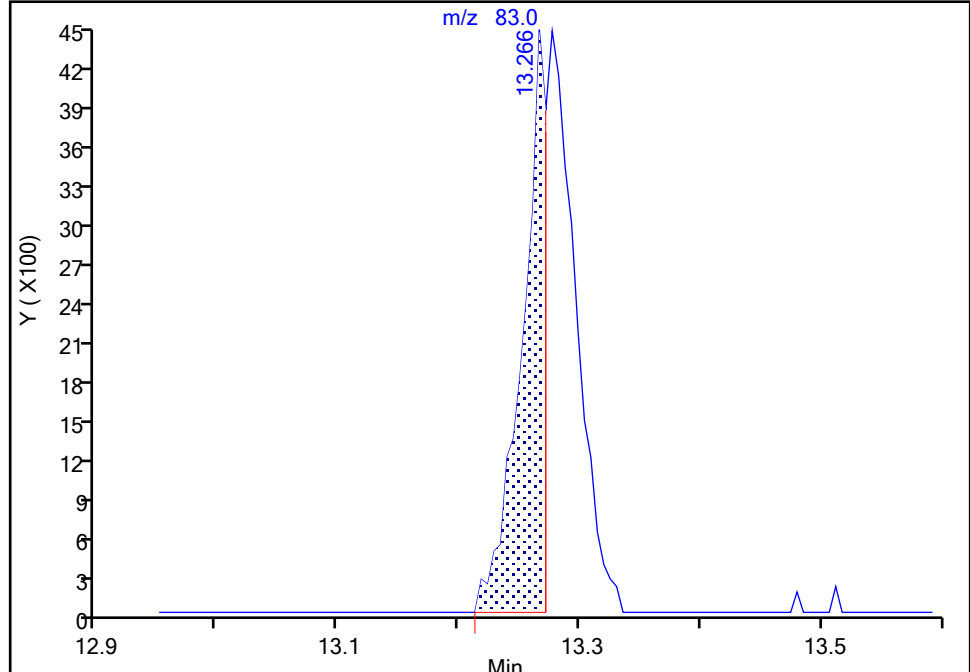
Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-04.D
Injection Date: 14-Jun-2021 16:39:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

58 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

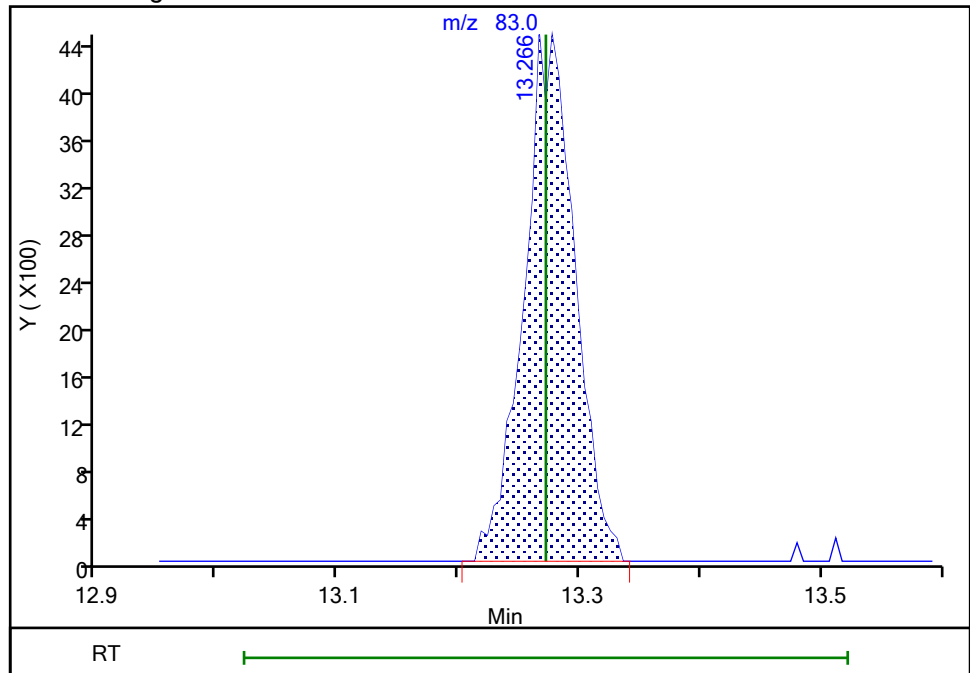
RT: 13.27
Area: 6249
Amount: 0.097541
Amount Units: ppb v/v

Processing Integration Results



RT: 13.27
Area: 13018
Amount: 0.177163
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 15-Jun-2021 09:04:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-04.D

Injection Date: 14-Jun-2021 16:39:30

Instrument ID: CHC.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

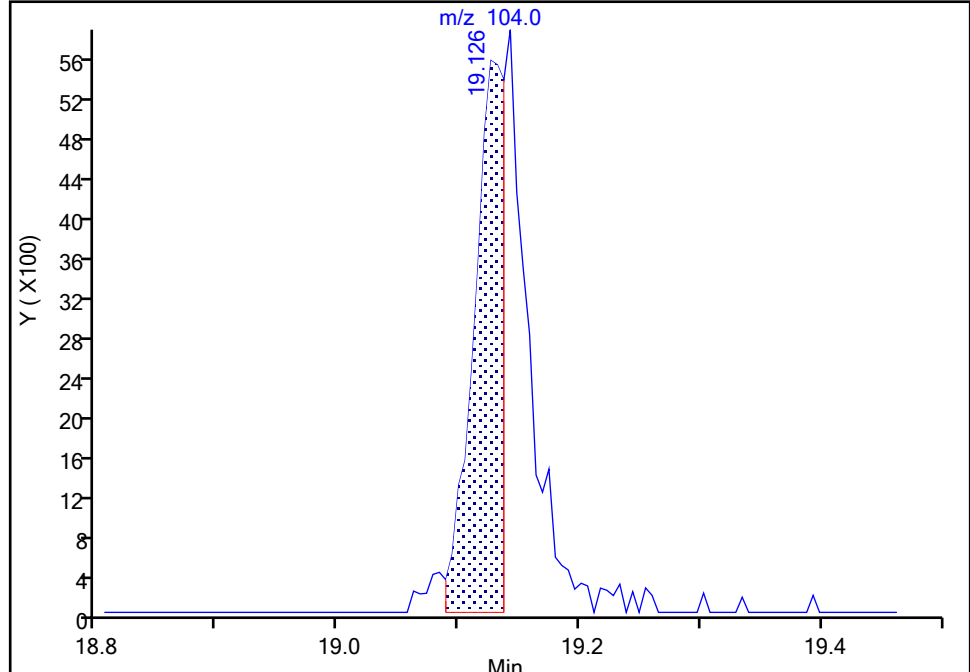
Detector: MS SCAN

80 Styrene, CAS: 100-42-5

Signal: 1

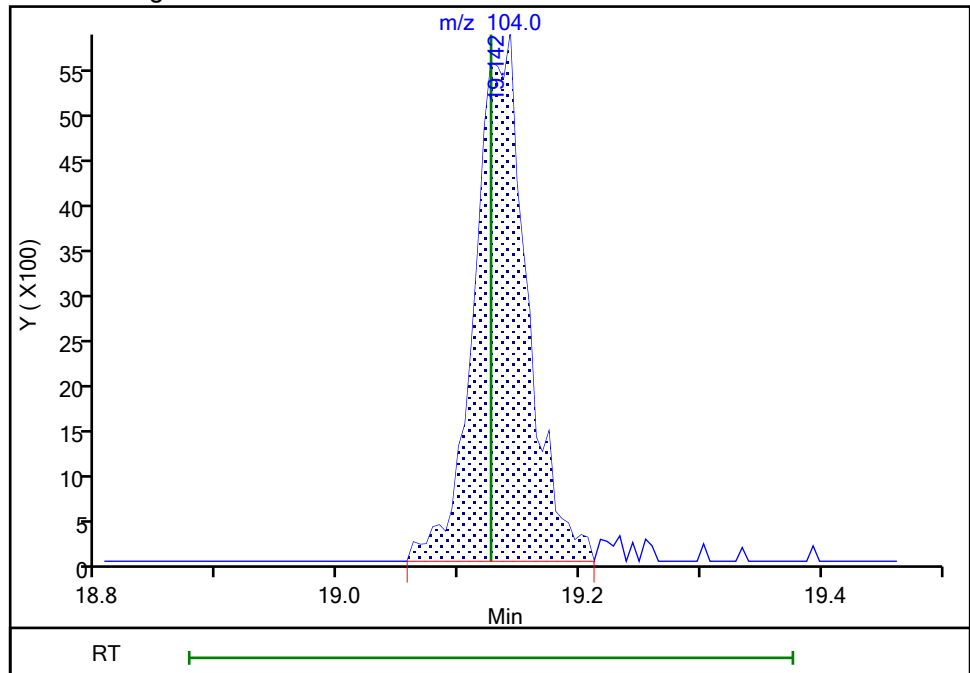
RT: 19.13
Area: 9891
Amount: 0.135246
Amount Units: ppb v/v

Processing Integration Results



RT: 19.14
Area: 17579
Amount: 0.181781
Amount Units: ppb v/v

Manual Integration Results



Reviewer: phamvu, 15-Jun-2021 09:05:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-05.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Jun-2021 17:33:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-005
 Misc. Info.: ic3
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:22:57 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: phamvu

Date: 15-Jun-2021 09:06:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.833	2.827	0.006	97	15591	0.4654	0.3546	
2 Dichlorodifluoromethane	85	2.891	2.891	0.000	99	32816	0.4708	0.3717	
3 Chlorodifluoromethane	51	2.934	2.929	0.005	98	22399	0.4726	0.3384	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.137	3.132	0.005	97	36644	0.4695	0.4117	
5 Chloromethane	50	3.238	3.238	0.000	100	16591	0.4925	0.4330	
6 Butane	43	3.430	3.431	0.000	99	25261	0.4672	0.3992	
7 Vinyl chloride	62	3.457	3.457	0.000	98	14668	0.4686	0.3779	
8 Butadiene	54	3.537	3.532	0.005	96	10891	0.4564	0.3534	
10 Bromomethane	94	4.135	4.130	0.005	98	11482	0.4650	0.3844	
11 Chloroethane	64	4.364	4.354	0.010	99	6146	0.4686	0.3398	
12 2-Methylbutane	43	4.460	4.455	0.005	92	11744	0.4708	0.2589	
13 Vinyl bromide	106	4.727	4.722	0.005	99	11451	0.4699	0.4191	
14 Trichlorofluoromethane	101	4.845	4.839	0.006	97	26973	0.4762	0.3766	
16 Pentane	43	4.994	4.994	0.000	97	18801	0.4569	0.2482	
17 Ethanol	45	5.480	5.416	0.064	99	13260	0.9021	0.5211	
18 Ethyl ether	59	5.581	5.512	0.069	97	7775	0.4546	0.3109	
19 Acrolein	56	5.853	5.805	0.048	92	4990	0.4384	0.3127	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.896	5.891	0.005	93	24581	0.4731	0.4118	
21 1,1-Dichloroethene	96	5.907	5.901	0.006	98	11420	0.4636	0.3901	
22 Acetone	43	6.190	6.126	0.064	97	53226	0.4618	0.7660	
23 Carbon disulfide	76	6.264	6.264	0.000	99	34282	0.4582	0.3456	
24 Isopropyl alcohol	45	6.595	6.494	0.101	99	16787	0.4609	0.2109	
25 3-Chloro-1-propene	41	6.659	6.654	0.005	94	15392	0.4803	0.3053	
26 Acetonitrile	41	6.755	6.718	0.037	97	9933	0.4465	0.2451	
27 Methylene Chloride	49	6.937	6.932	0.005	94	13654	0.4636	0.2760	
28 2-Methyl-2-propanol	59	7.406	7.273	0.133	82	20933	0.4862	0.2744	
31 trans-1,2-Dichloroethene	61	7.396	7.396	0.000	96	17635	0.4600	0.3263	
29 Methyl tert-butyl ether	73	7.524	7.412	0.112	96	31825	0.4713	0.3483	
32 Acrylonitrile	53	7.503	7.471	0.031	95	7648	0.4560	0.2633	
33 Hexane	57	7.833	7.828	0.005	94	19153	0.4776	0.3461	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.228	8.228	0.000	99	21680	0.4510	0.3243	
35 Vinyl acetate	43	8.372	8.335	0.037	100	26230	0.4686	0.2133	
37 cis-1,2-Dichloroethene	96	9.322	9.312	0.010	96	15135	0.4555	0.4273	
38 2-Butanone (MEK)	72	9.434	9.365	0.069	99	10625	0.4663	0.5450	
39 Ethyl acetate	88	9.536	9.461	0.075	99	1313	0.4569	0.4553	
* 40 Chlorobromomethane	128	9.755	9.755	0.000	97	492397	20.0	20.0	
41 Tetrahydrofuran	42	9.904	9.819	0.085	88	20435	0.4505	0.2938	
42 Chloroform	83	9.909	9.910	-0.001	97	29999	0.4555	0.4083	
44 1,1,1-Trichloroethane	97	10.187	10.182	0.005	96	29136	0.4596	0.3947	
43 Cyclohexane	84	10.198	10.192	0.006	95	20730	0.4578	0.4191	
S 30 1,2-Dichloroethene, Total	61				0		0.9155	0.7535	
45 Carbon tetrachloride	117	10.454	10.449	0.005	98	26910	0.4582	0.3851	
47 Benzene	78	10.875	10.875	0.000	96	50482	0.4659	0.4159	
46 Isooctane	57	10.934	10.929	0.005	99	85336	0.4722	0.3816	
48 1,2-Dichloroethane	62	11.036	11.025	0.011	94	18760	0.4672	0.3600	
49 n-Heptane	43	11.340	11.334	0.006	96	37253	0.4740	0.3670	
* 50 1,4-Difluorobenzene	114	11.724	11.719	0.005	95	2658781	20.0	20.0	
53 Trichloroethene	95	12.194	12.194	0.000	98	22261	0.4749	0.4285	
52 n-Butanol	56	12.247	12.199	0.048	90	19685	0.4307	0.5676	
54 1,2-Dichloropropane	63	12.706	12.695	0.011	88	21991	0.4650	0.4394	
55 Methyl methacrylate	69	12.967	12.930	0.037	90	18743	0.4582	0.4104	
57 Dibromomethane	174	12.946	12.946	0.000	96	19306	0.4645	0.4438	
56 1,4-Dioxane	88	13.117	12.978	0.139	97	10673	0.4771	0.4960	
58 Dichlorobromomethane	83	13.277	13.272	0.005	97	32713	0.4767	0.4373	
60 cis-1,3-Dichloropropene	75	14.238	14.232	0.006	97	31492	0.4686	0.4293	
61 4-Methyl-2-pentanone (MIBK)	43	14.611	14.553	0.058	98	55284	0.4618	0.4198	
A 63 Toluene Range	1	14.846	(14.806-14.886)		0	161460	NC	NC	
65 Toluene	92	14.851	14.846	0.005	94	36814	0.4582	0.4503	
A 62 C8 Range	1	15.012	(14.962-15.062)		0	196084	NC	NC	
64 n-Octane	43	15.017	15.012	0.005	98	61567	0.4659	0.4329	
66 trans-1,3-Dichloropropene	75	15.444	15.439	0.005	97	27578	0.4456	0.4203	
67 1,1,2-Trichloroethane	83	15.807	15.801	0.006	95	18635	0.4726	0.4413	
68 Tetrachloroethene	166	15.978	15.972	0.006	97	42783	0.4735	0.5549	
69 2-Hexanone	43	16.346	16.308	0.038	91	84705	0.4505	0.5931	
71 Chlorodibromomethane	129	16.575	16.575	0.000	97	28329	0.4366	0.3843	
72 Ethylene Dibromide	107	16.826	16.821	0.005	96	32039	0.4785	0.4749	
* 74 Chlorobenzene-d5	117	17.755	17.755	0.000	89	2535363	20.0	20.0	
75 Chlorobenzene	112	17.819	17.813	0.006	93	49427	0.4731	0.4863	
76 Ethylbenzene	91	17.995	17.990	0.005	98	80499	0.4609	0.4460	
77 n-Nonane	57	18.214	18.214	0.000	97	48174	0.4726	0.4177	
78 m-Xylene & p-Xylene	106	18.246	18.246	0.000	0	59768	0.9272	0.8796	
79 o-Xylene	106	19.078	19.078	0.000	97	30263	0.4672	0.4684	
80 Styrene	104	19.137	19.126	0.011	98	44813	0.4654	0.4342	
81 Bromoform	173	19.537	19.537	0.000	97	20302	0.4641	0.3421	
82 Isopropylbenzene	105	19.831	19.825	0.006	97	83605	0.4704	0.4376	
S 73 Xylenes, Total	106				0		1.39	1.35	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	89	1851803	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	97	46589	0.4663	0.4220	
86 1,2,3-Trichloropropane	75	20.599	20.599	0.000	97	41442	0.4776	0.4550	
85 N-Propylbenzene	91	20.621	20.621	0.000	98	107420	0.4690	0.4195	
89 2-Chlorotoluene	91	20.818	20.818	0.000	97	74056	0.4708	0.4196	
88 4-Ethyltoluene	105	20.829	20.829	0.000	98	85045	0.4659	0.4187	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.887	20.888	-0.001	84	62840	0.4699	0.4272	
90 1,3,5-Trimethylbenzene	105	20.946	20.946	0.000	93	70666	0.4686	0.4402	
91 Alpha Methyl Styrene	118	21.336	21.336	0.000	89	33197	0.4600	0.4024	
92 tert-Butylbenzene	119	21.464	21.464	0.000	92	66119	0.4672	0.4277	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	99	70534	0.4690	0.4342	
94 sec-Butylbenzene	105	21.811	21.811	0.000	98	107217	0.4717	0.4333	
95 4-Isopropyltoluene	119	22.030	22.030	0.000	96	81605	0.4650	0.3906	
96 1,3-Dichlorobenzene	146	22.035	22.035	0.000	97	52104	0.4771	0.4548	
97 1,4-Dichlorobenzene	146	22.179	22.174	0.005	94	53914	0.4722	0.4761	
98 Benzyl chloride	91	22.366	22.366	0.000	98	64554	0.4771	0.4208	
100 n-Butylbenzene	91	22.617	22.611	0.006	98	88877	0.4686	0.4202	
99 Undecane	57	22.691	22.691	0.000	92	61855	0.4717	0.3545	
101 1,2-Dichlorobenzene	146	22.702	22.702	0.000	97	53341	0.4708	0.4658	
102 Dodecane	57	24.186	24.186	0.000	94	22929	0.4221	0.1700	
103 1,2,4-Trichlorobenzene	180	25.029	25.029	0.000	93	44809	0.4898	0.5440	
104 Hexachlorobutadiene	225	25.237	25.237	0.000	97	40787	0.4627	0.4449	
105 Naphthalene	128	25.445	25.440	0.005	99	99484	0.4384	0.5537	
106 1,2,3-Trichlorobenzene	180	25.883	25.878	0.005	94	26134	0.4113	0.3811	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL1w_00229

Amount Added: 450.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:22:57

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-05.D

Injection Date: 14-Jun-2021 17:33:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

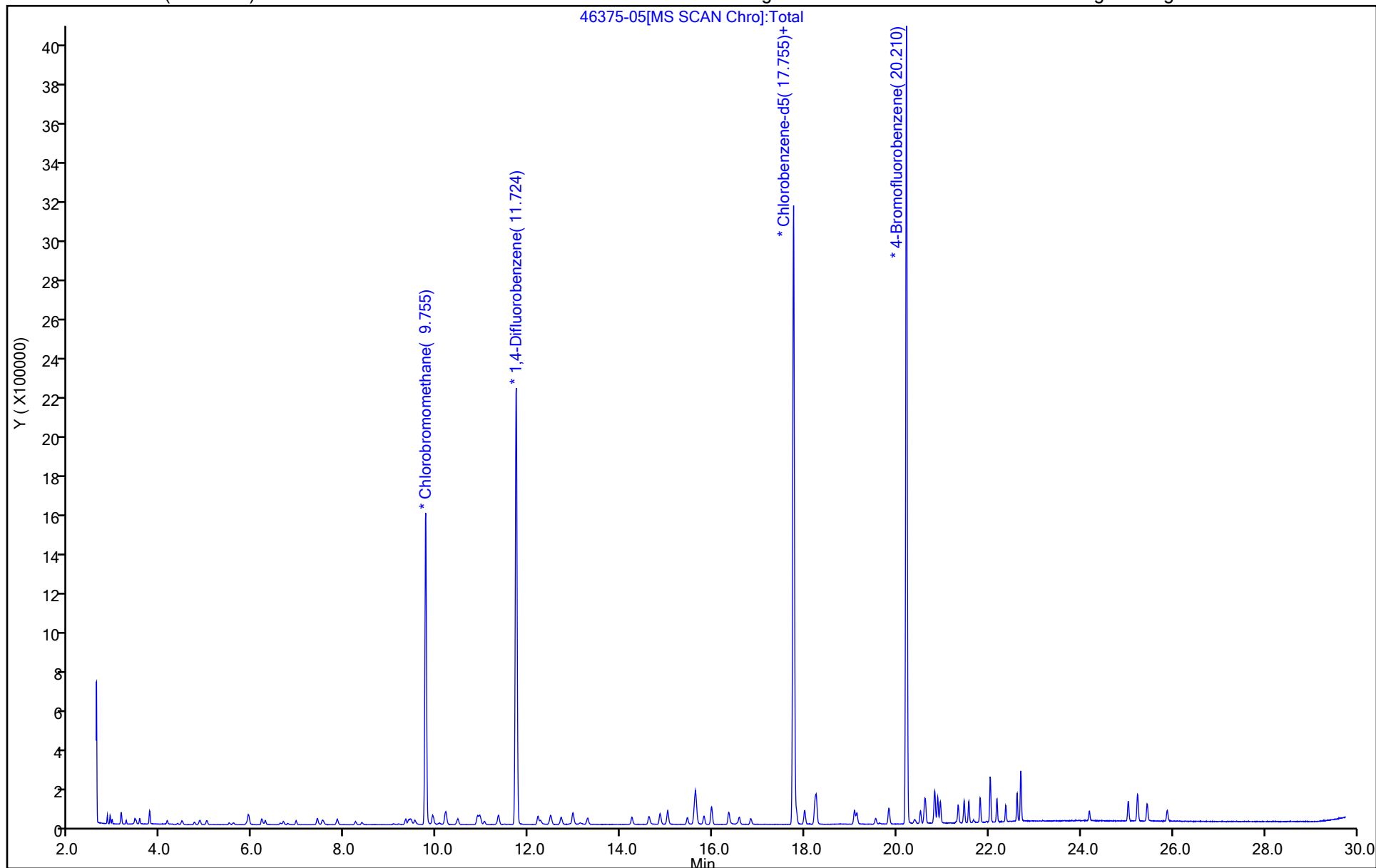
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-06.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Jun-2021 18:28:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-006
 Misc. Info.: ic4
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:22:58 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: phamvu

Date: 15-Jun-2021 09:07:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.827	2.827	0.000	99	224732	4.64	5.17	
2 Dichlorodifluoromethane	85	2.886	2.891	-0.005	99	460833	4.70	5.27	
3 Chlorodifluoromethane	51	2.929	2.929	0.000	97	357220	4.72	5.45	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.126	3.132	-0.006	98	455130	4.68	5.17	
5 Chloromethane	50	3.238	3.238	0.000	99	204804	4.91	5.40	
6 Butane	43	3.430	3.431	0.000	98	327475	4.66	5.23	
7 Vinyl chloride	62	3.457	3.457	0.000	98	194979	4.67	5.08	
8 Butadiene	54	3.526	3.532	-0.006	97	153568	4.55	5.04	
10 Bromomethane	94	4.130	4.130	0.000	99	152247	4.64	5.15	
11 Chloroethane	64	4.354	4.354	0.000	98	91461	4.67	5.11	
12 2-Methylbutane	43	4.455	4.455	0.000	94	269783	4.70	6.01	
13 Vinyl bromide	106	4.722	4.722	0.000	99	137084	4.69	5.07	
14 Trichlorofluoromethane	101	4.839	4.839	0.000	98	380585	4.75	5.37	
16 Pentane	43	4.994	4.994	0.000	97	397617	4.56	5.31	
17 Ethanol	45	5.426	5.416	0.010	98	220076	6.75	8.74	
18 Ethyl ether	59	5.522	5.512	0.010	89	133571	4.54	5.40	
19 Acrolein	56	5.811	5.805	0.006	96	62663	4.37	3.97	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.891	5.891	0.000	92	309672	4.72	5.24	
21 1,1-Dichloroethene	96	5.901	5.901	0.000	91	147245	4.63	5.08	
22 Acetone	43	6.136	6.126	0.010	99	343515	4.61	5.00	
23 Carbon disulfide	76	6.264	6.264	0.000	100	490935	4.57	5.00	
24 Isopropyl alcohol	45	6.510	6.494	0.016	100	400356	4.60	5.08	
25 3-Chloro-1-propene	41	6.654	6.654	0.000	91	263753	4.79	5.29	
26 Acetonitrile	41	6.723	6.718	0.005	98	186902	4.45	4.66	
27 Methylene Chloride	49	6.931	6.932	-0.001	95	256042	4.63	5.23	
28 2-Methyl-2-propanol	59	7.305	7.273	0.032	96	405230	4.85	5.37	
31 trans-1,2-Dichloroethene	61	7.396	7.396	0.000	92	292892	4.59	5.48	
29 Methyl tert-butyl ether	73	7.428	7.412	0.016	97	491885	4.70	5.44	
32 Acrylonitrile	53	7.476	7.471	0.005	94	149111	4.55	5.19	
33 Hexane	57	7.828	7.828	0.000	94	315421	4.76	5.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.228	8.228	0.000	99	353561	4.50	5.34	
35 Vinyl acetate	43	8.340	8.335	0.005	100	528731	4.67	4.35	
37 cis-1,2-Dichloroethene	96	9.312	9.312	0.000	97	163335	4.54	4.66	
38 2-Butanone (MEK)	72	9.376	9.365	0.011	97	89067	4.65	4.62	
39 Ethyl acetate	88	9.466	9.461	0.005	98	13613	4.56	4.77	
* 40 Chlorobromomethane	128	9.755	9.755	0.000	92	487256	20.0	20.0	
41 Tetrahydrofuran	42	9.835	9.819	0.016	93	300475	4.49	4.70	
42 Chloroform	83	9.909	9.910	-0.001	95	352259	4.54	4.85	
44 1,1,1-Trichloroethane	97	10.182	10.182	0.000	95	331644	4.58	4.89	
43 Cyclohexane	84	10.198	10.192	0.006	92	219968	4.57	4.84	
S 30 1,2-Dichloroethene, Total	61				0		9.13	10.1	
45 Carbon tetrachloride	117	10.448	10.449	-0.001	96	313220	4.57	4.87	
47 Benzene	78	10.870	10.875	-0.005	98	545041	4.65	4.88	
46 Isooctane	57	10.929	10.929	0.000	97	1058583	4.71	5.15	
48 1,2-Dichloroethane	62	11.025	11.025	0.000	95	247620	4.66	5.17	
49 n-Heptane	43	11.334	11.334	0.000	97	486610	4.73	5.21	
* 50 1,4-Difluorobenzene	114	11.719	11.719	0.000	97	2444830	20.0	20.0	
53 Trichloroethene	95	12.194	12.194	0.000	95	219956	4.74	4.60	
52 n-Butanol	56	12.210	12.199	0.011	97	148608	4.30	4.66	
54 1,2-Dichloropropane	63	12.695	12.695	0.000	88	220559	4.64	4.79	
55 Methyl methacrylate	69	12.941	12.930	0.011	88	186723	4.57	4.45	
57 Dibromomethane	174	12.951	12.946	0.005	96	209085	4.63	5.23	
56 1,4-Dioxane	88	13.000	12.978	0.022	98	104912	4.76	5.30	
58 Dichlorobromomethane	83	13.272	13.272	0.000	97	332682	4.76	4.84	
60 cis-1,3-Dichloropropene	75	14.232	14.232	0.000	98	323019	4.67	4.79	
61 4-Methyl-2-pentanone (MIBK)	43	14.569	14.553	0.016	98	569330	4.61	4.70	
A 63 Toluene Range	1	14.846	(14.806-14.886)	0	1504489	NC	NC		
65 Toluene	92	14.846	14.846	0.000	93	346519	4.57	4.82	
A 62 C8 Range	1	15.012	(14.962-15.062)	0	1999287	NC	NC		
64 n-Octane	43	15.017	15.012	0.005	99	625156	4.65	4.78	
66 trans-1,3-Dichloropropene	75	15.438	15.439	-0.001	95	273247	4.45	4.53	
67 1,1,2-Trichloroethane	83	15.807	15.801	0.006	97	180327	4.72	4.86	
68 Tetrachloroethene	166	15.972	15.972	0.000	95	299307	4.72	4.42	
69 2-Hexanone	43	16.319	16.308	0.011	90	531994	4.49	4.24	
71 Chlorodibromomethane	129	16.570	16.575	-0.005	97	277122	4.36	4.28	
72 Ethylene Dibromide	107	16.821	16.821	0.000	98	295992	4.77	4.99	
* 74 Chlorobenzene-d5	117	17.755	17.755	0.000	91	2227674	20.0	20.0	
75 Chlorobenzene	112	17.813	17.813	0.000	91	434322	4.72	4.86	
76 Ethylbenzene	91	17.990	17.990	0.000	99	750330	4.60	4.73	
77 n-Nonane	57	18.214	18.214	0.000	95	475758	4.72	4.70	
78 m-Xylene & p-Xylene	106	18.246	18.246	0.000	0	560888	9.25	9.39	
79 o-Xylene	106	19.078	19.078	0.000	98	272276	4.66	4.80	
80 Styrene	104	19.126	19.126	0.000	98	433218	4.64	4.78	
81 Bromoform	173	19.543	19.537	0.006	96	209328	4.63	4.01	
82 Isopropylbenzene	105	19.825	19.825	0.000	97	809310	4.69	4.82	
S 73 Xylenes, Total	106				0		13.9	14.2	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	88	1713725	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	97	452525	4.65	4.66	
86 1,2,3-Trichloropropane	75	20.599	20.599	0.000	96	380681	4.76	4.76	
85 N-Propylbenzene	91	20.621	20.621	0.000	98	1047354	4.68	4.66	
89 2-Chlorotoluene	91	20.818	20.818	0.000	97	710768	4.70	4.58	
88 4-Ethyltoluene	105	20.829	20.829	0.000	98	828920	4.65	4.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.887	20.888	-0.001	83	615814	4.69	4.76	
90 1,3,5-Trimethylbenzene	105	20.946	20.946	0.000	92	656035	4.67	4.65	
91 Alpha Methyl Styrene	118	21.330	21.336	-0.006	86	333624	4.59	4.60	
92 tert-Butylbenzene	119	21.464	21.464	0.000	91	625276	4.66	4.60	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	99	668975	4.68	4.69	
94 sec-Butylbenzene	105	21.811	21.811	0.000	99	1022471	4.71	4.70	
95 4-Isopropyltoluene	119	22.030	22.030	0.000	97	826108	4.64	4.50	
96 1,3-Dichlorobenzene	146	22.035	22.035	0.000	98	460728	4.76	4.58	
97 1,4-Dichlorobenzene	146	22.174	22.174	0.000	93	452339	4.71	4.55	
98 Benzyl chloride	91	22.366	22.366	0.000	97	626683	4.76	4.65	
100 n-Butylbenzene	91	22.611	22.611	0.000	98	868164	4.67	4.67	
99 Undecane	57	22.691	22.691	0.000	91	700089	4.71	4.57	
101 1,2-Dichlorobenzene	146	22.702	22.702	0.000	95	437055	4.70	4.34	
102 Dodecane	57	24.186	24.186	0.000	90	534277	4.21	4.51	
103 1,2,4-Trichlorobenzene	180	25.029	25.029	0.000	93	362407	4.89	5.01	
104 Hexachlorobutadiene	225	25.237	25.237	0.000	97	352870	4.62	4.38	
105 Naphthalene	128	25.440	25.440	0.000	98	741163	4.37	4.70	
106 1,2,3-Trichlorobenzene	180	25.877	25.878	-0.001	95	251718	4.10	4.18	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00765

Amount Added: 90.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:22:59

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-06.D

Injection Date: 14-Jun-2021 18:28:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

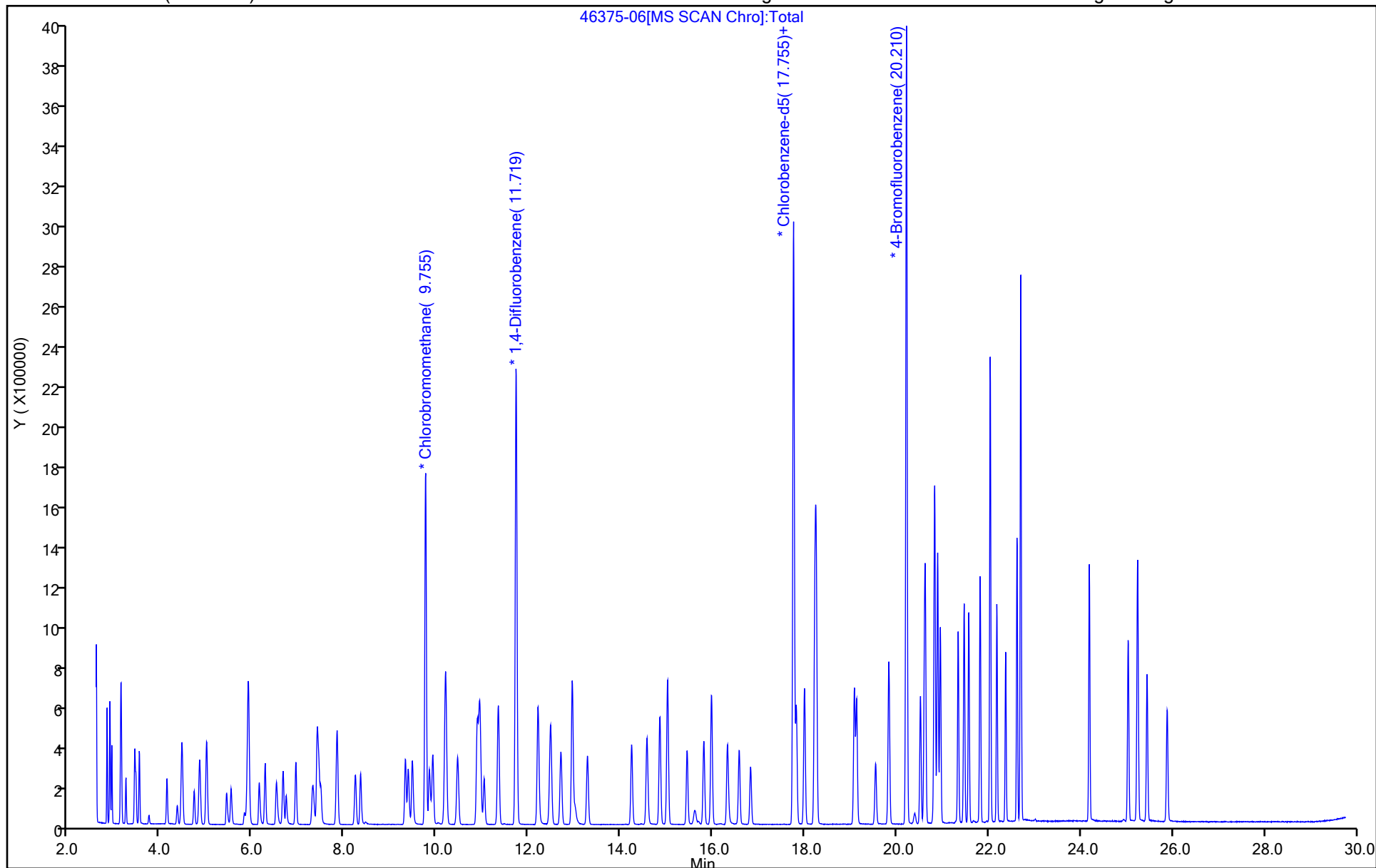
ALS Bottle#: 5

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-07.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 14-Jun-2021 19:22:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-007
 Misc. Info.: ic5
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:22:51 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: guazzonig

Date: 15-Jun-2021 10:22:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.827	2.827	0.000	98	480481	10.3	10.6	
2 Dichlorodifluoromethane	85	2.891	2.891	0.000	99	989743	10.4	10.9	
3 Chlorodifluoromethane	51	2.929	2.929	0.000	97	775693	10.5	11.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.132	3.132	0.000	98	994143	10.4	10.8	
5 Chloromethane	50	3.238	3.238	0.000	99	457325	10.9	11.6	
6 Butane	43	3.431	3.431	0.000	98	733099	10.4	11.2	
7 Vinyl chloride	62	3.457	3.457	0.000	98	437686	10.4	10.9	
8 Butadiene	54	3.532	3.532	0.000	98	343008	10.1	10.8	
10 Bromomethane	94	4.130	4.130	0.000	99	339445	10.3	11.0	
11 Chloroethane	64	4.354	4.354	0.000	98	202733	10.4	10.9	
12 2-Methylbutane	43	4.455	4.455	0.000	95	604659	10.4	12.9	
13 Vinyl bromide	106	4.722	4.722	0.000	99	298911	10.4	10.6	
14 Trichlorofluoromethane	101	4.839	4.839	0.000	98	844077	10.6	11.4	
16 Pentane	43	4.994	4.994	0.000	96	891801	10.1	11.4	
17 Ethanol	45	5.416	5.416	0.000	98	463081	15.0	17.6	
18 Ethyl ether	59	5.512	5.512	0.000	89	294009	10.1	11.4	
19 Acrolein	56	5.805	5.805	0.000	97	138882	9.72	8.44	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.891	5.891	0.000	92	675473	10.5	11.0	
21 1,1-Dichloroethene	96	5.901	5.901	0.000	92	323282	10.3	10.7	
22 Acetone	43	6.126	6.126	0.000	99	760971	10.2	10.6	
23 Carbon disulfide	76	6.264	6.264	0.000	100	1079216	10.2	10.5	
24 Isopropyl alcohol	45	6.494	6.494	0.000	100	871692	10.2	10.6	
25 3-Chloro-1-propene	41	6.654	6.654	0.000	92	620389	10.6	11.9	
26 Acetonitrile	41	6.718	6.718	0.000	99	433408	9.90	10.4	
27 Methylene Chloride	49	6.932	6.932	0.000	94	584961	10.3	11.5	
28 2-Methyl-2-propanol	59	7.273	7.273	0.000	96	869643	10.8	11.1	
31 trans-1,2-Dichloroethene	61	7.396	7.396	0.000	92	641268	10.2	11.5	
29 Methyl tert-butyl ether	73	7.412	7.412	0.000	97	1087537	10.4	11.5	
32 Acrylonitrile	53	7.471	7.471	0.000	94	331651	10.1	11.1	
33 Hexane	57	7.828	7.828	0.000	94	690901	10.6	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.228	8.228	0.000	99	781247	10.0	11.3	
35 Vinyl acetate	43	8.335	8.335	0.000	100	1236341	10.4	9.75	
37 cis-1,2-Dichloroethene	96	9.312	9.312	0.000	97	357271	10.1	9.78	
38 2-Butanone (MEK)	72	9.365	9.365	0.000	97	197652	10.3	9.83	
39 Ethyl acetate	88	9.461	9.461	0.000	98	29230	10.1	9.83	
* 40 Chlorobromomethane	128	9.755	9.755	0.000	92	507894	20.0	20.0	
41 Tetrahydrofuran	42	9.819	9.819	0.000	93	658454	9.99	10.0	
42 Chloroform	83	9.910	9.910	0.000	95	768912	10.1	10.1	
44 1,1,1-Trichloroethane	97	10.182	10.182	0.000	95	728997	10.2	10.5	
43 Cyclohexane	84	10.192	10.192	0.000	90	481002	10.1	10.3	
S 30 1,2-Dichloroethene, Total	61				0		20.3	21.3	
45 Carbon tetrachloride	117	10.449	10.449	0.000	96	692335	10.2	10.5	
47 Benzene	78	10.875	10.875	0.000	98	1189840	10.3	10.4	
46 Isooctane	57	10.929	10.929	0.000	97	2323968	10.5	11.0	
48 1,2-Dichloroethane	62	11.025	11.025	0.000	95	541042	10.4	11.0	
49 n-Heptane	43	11.334	11.334	0.000	97	1070091	10.5	11.2	
* 50 1,4-Difluorobenzene	114	11.719	11.719	0.000	97	2511367	20.0	20.0	
53 Trichloroethene	95	12.194	12.194	0.000	94	489587	10.5	9.98	
52 n-Butanol	56	12.199	12.199	0.000	95	321074	9.55	9.80	
54 1,2-Dichloropropane	63	12.695	12.695	0.000	87	486528	10.3	10.3	
55 Methyl methacrylate	69	12.930	12.930	0.000	87	433303	10.2	10.0	
57 Dibromomethane	174	12.946	12.946	0.000	97	447851	10.3	10.9	
56 1,4-Dioxane	88	12.978	12.978	0.000	97	221060	10.6	10.9	
58 Dichlorobromomethane	83	13.272	13.272	0.000	97	741149	10.6	10.5	
60 cis-1,3-Dichloropropene	75	14.232	14.232	0.000	98	725129	10.4	10.5	
61 4-Methyl-2-pentanone (MIBK)	43	14.553	14.553	0.000	97	1285932	10.2	10.3	
65 Toluene	92	14.846	14.846	0.000	92	745740	10.2	10.2	
A 63 Toluene Range	1	14.846	(14.806-14.886)	0	3271948	NC	NC		
64 n-Octane	43	15.012	15.012	0.000	99	1387056	10.3	10.3	
A 62 C8 Range	1	15.012	(14.962-15.062)	0	4425572	NC	NC		
66 trans-1,3-Dichloropropene	75	15.439	15.439	0.000	94	613719	9.88	9.90	
67 1,1,2-Trichloroethane	83	15.801	15.801	0.000	97	395682	10.5	10.4	
68 Tetrachloroethene	166	15.972	15.972	0.000	95	634321	10.5	9.16	
69 2-Hexanone	43	16.308	16.308	0.000	89	1224073	9.99	9.55	
71 Chlorodibromomethane	129	16.575	16.575	0.000	97	630822	9.68	9.53	
72 Ethylene Dibromide	107	16.821	16.821	0.000	99	649819	10.6	10.7	
* 74 Chlorobenzene-d5	117	17.755	17.755	0.000	91	2276384	20.0	20.0	
75 Chlorobenzene	112	17.813	17.813	0.000	90	939061	10.5	10.3	
76 Ethylbenzene	91	17.990	17.990	0.000	99	1653403	10.2	10.2	
77 n-Nonane	57	18.214	18.214	0.000	95	1079741	10.5	10.4	
78 m-Xylene & p-Xylene	106	18.246	18.246	0.000	0	1240111	20.6	20.3	
79 o-Xylene	106	19.078	19.078	0.000	98	598341	10.4	10.3	
80 Styrene	104	19.126	19.126	0.000	98	973874	10.3	10.5	
81 Bromoform	173	19.537	19.537	0.000	95	461061	10.3	8.65	
82 Isopropylbenzene	105	19.825	19.825	0.000	97	1774971	10.4	10.3	
S 73 Xylenes, Total	106				0		30.9	30.6	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	88	1746657	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	97	998627	10.3	10.1	
86 1,2,3-Trichloropropane	75	20.599	20.599	0.000	96	856558	10.6	10.5	
85 N-Propylbenzene	91	20.621	20.621	0.000	99	2360641	10.4	10.3	
89 2-Chlorotoluene	91	20.818	20.818	0.000	97	1607077	10.4	10.1	
88 4-Ethyltoluene	105	20.829	20.829	0.000	97	1868116	10.3	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.888	20.888	0.000	83	1378991	10.4	10.4	
90 1,3,5-Trimethylbenzene	105	20.946	20.946	0.000	92	1497855	10.4	10.4	
91 Alpha Methyl Styrene	118	21.336	21.336	0.000	85	774301	10.2	10.5	
92 tert-Butylbenzene	119	21.464	21.464	0.000	91	1413149	10.4	10.2	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	99	1507098	10.4	10.3	
94 sec-Butylbenzene	105	21.811	21.811	0.000	99	2303864	10.5	10.4	
95 4-Isopropyltoluene	119	22.030	22.030	0.000	97	1927585	10.3	10.3	
96 1,3-Dichlorobenzene	146	22.035	22.035	0.000	98	1062513	10.6	10.3	
97 1,4-Dichlorobenzene	146	22.174	22.174	0.000	92	1009928	10.5	9.93	
98 Benzyl chloride	91	22.366	22.366	0.000	97	1411591	10.6	10.2	
100 n-Butylbenzene	91	22.611	22.611	0.000	98	1977968	10.4	10.4	
99 Undecane	57	22.691	22.691	0.000	93	1680573	10.5	10.7	
101 1,2-Dichlorobenzene	146	22.702	22.702	0.000	95	995732	10.4	9.68	
102 Dodecane	57	24.186	24.186	0.000	90	1398447	9.36	11.5	
103 1,2,4-Trichlorobenzene	180	25.029	25.029	0.000	94	894124	10.9	12.1	
104 Hexachlorobutadiene	225	25.237	25.237	0.000	97	834752	10.3	10.1	
105 Naphthalene	128	25.440	25.440	0.000	98	1867711	9.72	11.6	
106 1,2,3-Trichlorobenzene	180	25.878	25.878	0.000	94	661562	9.12	10.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00765

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:22:52

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-07.D

Injection Date: 14-Jun-2021 19:22:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: icis

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

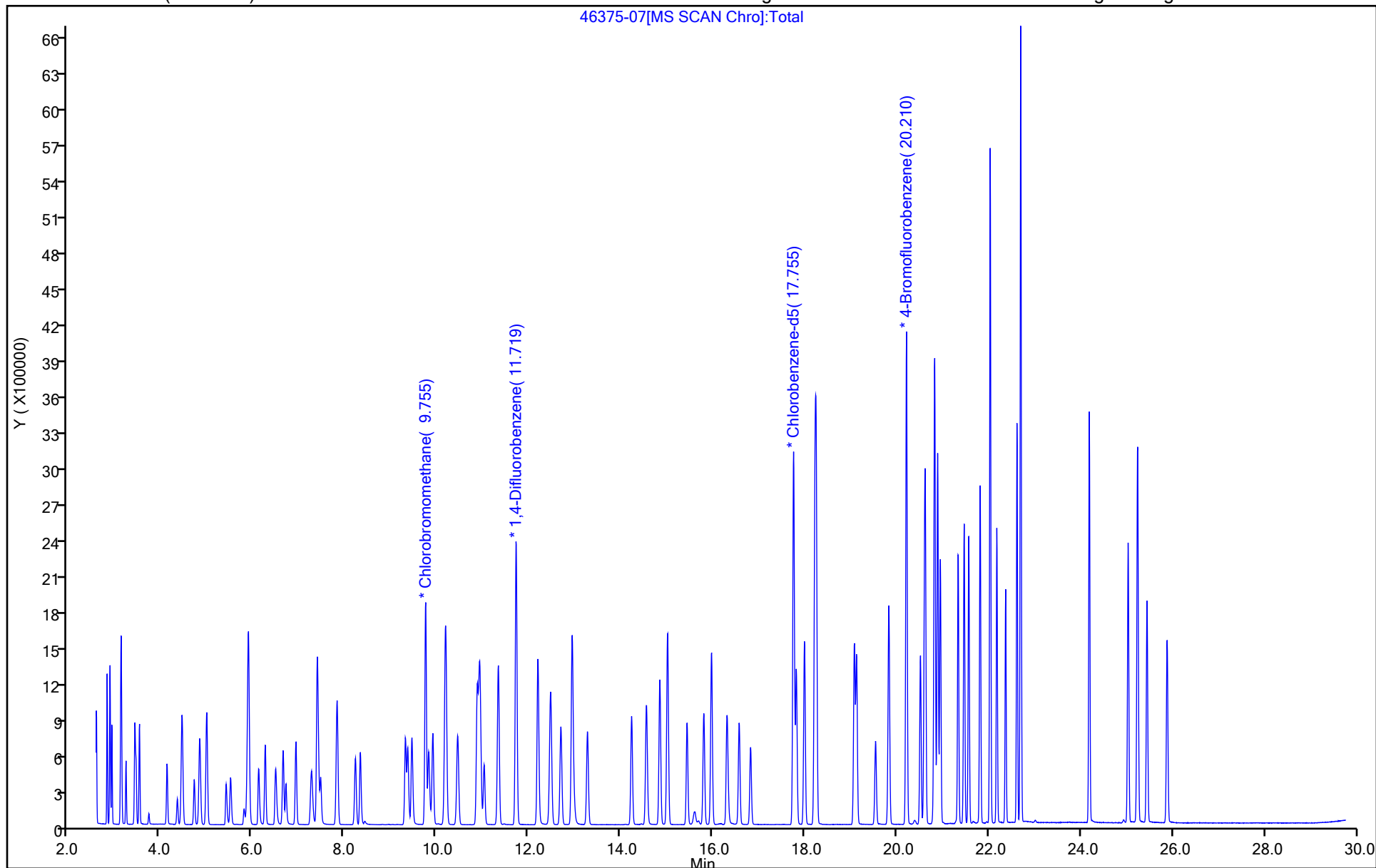
ALS Bottle#: 6

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-08.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 14-Jun-2021 20:17:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-008
 Misc. Info.: ic6
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:23:00 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: phamvu

Date: 15-Jun-2021 09:07:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.827	2.827	0.000	98	718743	15.5	15.4	
2 Dichlorodifluoromethane	85	2.891	2.891	0.000	99	1522392	15.7	16.3	
3 Chlorodifluoromethane	51	2.929	2.929	0.000	97	1176377	15.7	16.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.132	3.132	0.000	98	1543632	15.6	16.4	
5 Chloromethane	50	3.238	3.238	0.000	99	683915	16.4	16.9	
6 Butane	43	3.430	3.431	0.000	98	1083741	15.5	16.2	
7 Vinyl chloride	62	3.457	3.457	0.000	98	663737	15.6	16.2	
8 Butadiene	54	3.532	3.532	0.000	98	515620	15.2	15.8	
10 Bromomethane	94	4.135	4.130	0.005	99	517311	15.5	16.4	
11 Chloroethane	64	4.354	4.354	0.000	99	316126	15.6	16.5	
12 2-Methylbutane	43	4.455	4.455	0.000	94	910882	15.7	19.0	
13 Vinyl bromide	106	4.722	4.722	0.000	99	473593	15.6	16.4	
14 Trichlorofluoromethane	101	4.845	4.839	0.006	98	1300602	15.8	17.2	
16 Pentane	43	4.994	4.994	0.000	97	1351774	15.2	16.9	
17 Ethanol	45	5.410	5.416	-0.006	98	871423	30.0	32.3	
18 Ethyl ether	59	5.512	5.512	0.000	90	453118	15.1	17.1	
19 Acrolein	56	5.805	5.805	0.000	96	278031	14.6	16.5	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.896	5.891	0.005	92	1048661	15.7	16.6	
21 1,1-Dichloroethene	96	5.901	5.901	0.000	93	501825	15.4	16.2	
22 Acetone	43	6.115	6.126	-0.011	99	1128759	15.4	15.3	
23 Carbon disulfide	76	6.270	6.264	0.006	100	1683840	15.2	16.0	
24 Isopropyl alcohol	45	6.489	6.494	-0.005	100	1295622	15.3	15.4	
25 3-Chloro-1-propene	41	6.659	6.654	0.005	92	1087765	16.0	20.4	
26 Acetonitrile	41	6.713	6.718	-0.005	99	628686	14.8	14.7	
27 Methylene Chloride	49	6.937	6.932	0.005	95	872989	15.4	16.7	
28 2-Methyl-2-propanol	59	7.262	7.273	-0.011	95	1317569	16.2	16.3	
31 trans-1,2-Dichloroethene	61	7.396	7.396	0.000	92	991186	15.3	17.3	
29 Methyl tert-butyl ether	73	7.406	7.412	-0.006	97	1683089	15.7	17.4	
32 Acrylonitrile	53	7.471	7.471	0.000	94	506257	15.2	16.5	
33 Hexane	57	7.828	7.828	0.000	95	1072982	15.9	18.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.228	8.228	0.000	99	1208611	15.0	17.1	
35 Vinyl acetate	43	8.335	8.335	0.000	100	2216556	15.6	17.0	
37 cis-1,2-Dichloroethene	96	9.317	9.312	0.005	97	560485	15.1	14.9	
38 2-Butanone (MEK)	72	9.365	9.365	0.000	97	308993	15.5	15.0	
39 Ethyl acetate	88	9.451	9.461	-0.010	98	47156	15.2	15.4	
* 40 Chlorobromomethane	128	9.755	9.755	0.000	92	521267	20.0	20.0	
41 Tetrahydrofuran	42	9.813	9.819	-0.006	93	1027697	15.0	15.0	
42 Chloroform	83	9.909	9.910	-0.001	95	1210442	15.1	15.6	
44 1,1,1-Trichloroethane	97	10.187	10.182	0.005	95	1159203	15.3	15.9	
43 Cyclohexane	84	10.192	10.192	0.000	91	763068	15.2	15.6	
S 30 1,2-Dichloroethene, Total	61				0		30.4	32.3	
45 Carbon tetrachloride	117	10.454	10.449	0.005	97	1111226	15.2	16.1	
47 Benzene	78	10.875	10.875	0.000	98	1886452	15.5	15.7	
46 Isooctane	57	10.929	10.929	0.000	98	3678758	15.7	16.7	
48 1,2-Dichloroethane	62	11.025	11.025	0.000	95	850991	15.5	16.5	
49 n-Heptane	43	11.334	11.334	0.000	97	1681401	15.8	16.8	
* 50 1,4-Difluorobenzene	114	11.724	11.719	0.005	97	2625267	20.0	20.0	
53 Trichloroethene	95	12.194	12.194	0.000	93	744350	15.8	14.5	
52 n-Butanol	56	12.194	12.199	-0.005	66	477581	14.3	13.9	
54 1,2-Dichloropropane	63	12.695	12.695	0.000	88	765755	15.5	15.5	
55 Methyl methacrylate	69	12.930	12.930	0.000	88	696462	15.2	15.4	
57 Dibromomethane	174	12.946	12.946	0.000	97	633786	15.4	14.8	
56 1,4-Dioxane	88	12.973	12.978	-0.005	96	324988	15.9	15.3	
58 Dichlorobromomethane	83	13.272	13.272	0.000	97	1211234	15.9	16.4	
60 cis-1,3-Dichloropropene	75	14.232	14.232	0.000	98	1147003	15.6	15.8	
61 4-Methyl-2-pentanone (MIBK)	43	14.553	14.553	0.000	97	2009840	15.4	15.5	
A 63 Toluene Range	1	14.846	(14.806-14.886)	0	5107424	NC	NC		
65 Toluene	92	14.846	14.846	0.000	92	1161974	15.2	15.2	
A 62 C8 Range	1	15.012	(14.962-15.062)	0	6925009	NC	NC		
64 n-Octane	43	15.017	15.012	0.005	99	2177963	15.5	15.5	
66 trans-1,3-Dichloropropene	75	15.439	15.439	0.000	95	975628	14.8	15.1	
67 1,1,2-Trichloroethane	83	15.801	15.801	0.000	96	631246	15.7	16.0	
68 Tetrachloroethene	166	15.972	15.972	0.000	95	914064	15.7	12.7	
69 2-Hexanone	43	16.303	16.308	-0.005	89	1840407	15.0	13.8	
71 Chlorodibromomethane	129	16.575	16.575	0.000	97	1101627	14.5	16.0	
72 Ethylene Dibromide	107	16.821	16.821	0.000	99	1014732	15.9	16.1	
* 74 Chlorobenzene-d5	117	17.755	17.755	0.000	91	2374300	20.0	20.0	
75 Chlorobenzene	112	17.813	17.813	0.000	90	1461635	15.7	15.4	
76 Ethylbenzene	91	17.990	17.990	0.000	99	2595261	15.3	15.4	
77 n-Nonane	57	18.219	18.214	0.005	95	1729854	15.7	16.0	
78 m-Xylene & p-Xylene	106	18.246	18.246	0.000	0	1978872	30.8	31.1	
79 o-Xylene	106	19.078	19.078	0.000	98	939752	15.5	15.5	
80 Styrene	104	19.126	19.126	0.000	98	1533190	15.5	15.9	
81 Bromoform	173	19.537	19.537	0.000	96	1110208	15.4	20.0	
82 Isopropylbenzene	105	19.825	19.825	0.000	97	2801559	15.6	15.7	
S 73 Xylenes, Total	106				0		46.4	46.6	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	87	1824905	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	97	1641553	15.5	15.9	
86 1,2,3-Trichloropropane	75	20.599	20.599	0.000	96	1357129	15.9	15.9	
85 N-Propylbenzene	91	20.621	20.621	0.000	98	3742234	15.6	15.6	
89 2-Chlorotoluene	91	20.818	20.818	0.000	97	2563451	15.7	15.5	
88 4-Ethyltoluene	105	20.829	20.829	0.000	98	2941138	15.5	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.888	20.888	0.000	83	2140003	15.6	15.5	
90 1,3,5-Trimethylbenzene	105	20.946	20.946	0.000	92	2281436	15.6	15.2	
91 Alpha Methyl Styrene	118	21.336	21.336	0.000	85	1186199	15.3	15.4	
92 tert-Butylbenzene	119	21.464	21.464	0.000	91	2180127	15.5	15.1	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	99	2303340	15.6	15.1	
94 sec-Butylbenzene	105	21.811	21.811	0.000	99	3576981	15.7	15.4	
95 4-Isopropyltoluene	119	22.030	22.030	0.000	96	3051396	15.5	15.6	
96 1,3-Dichlorobenzene	146	22.035	22.035	0.000	98	1631212	15.9	15.2	
97 1,4-Dichlorobenzene	146	22.174	22.174	0.000	92	1539029	15.7	14.5	
98 Benzyl chloride	91	22.366	22.366	0.000	97	2406918	15.9	16.8	
100 n-Butylbenzene	91	22.611	22.611	0.000	98	3081414	15.6	15.6	
99 Undecane	57	22.691	22.691	0.000	93	2470162	15.7	15.1	
101 1,2-Dichlorobenzene	146	22.702	22.702	0.000	94	1539888	15.7	14.4	
102 Dodecane	57	24.186	24.186	0.000	90	1453733	14.0	11.5	
103 1,2,4-Trichlorobenzene	180	25.029	25.029	0.000	94	1168767	16.3	15.2	
104 Hexachlorobutadiene	225	25.237	25.237	0.000	97	1249837	15.4	14.6	
105 Naphthalene	128	25.440	25.440	0.000	98	2070891	14.6	12.3	
106 1,2,3-Trichlorobenzene	180	25.878	25.878	0.000	95	826955	13.7	12.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00189

Amount Added: 150.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:23:00

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-08.D

Injection Date: 14-Jun-2021 20:17:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

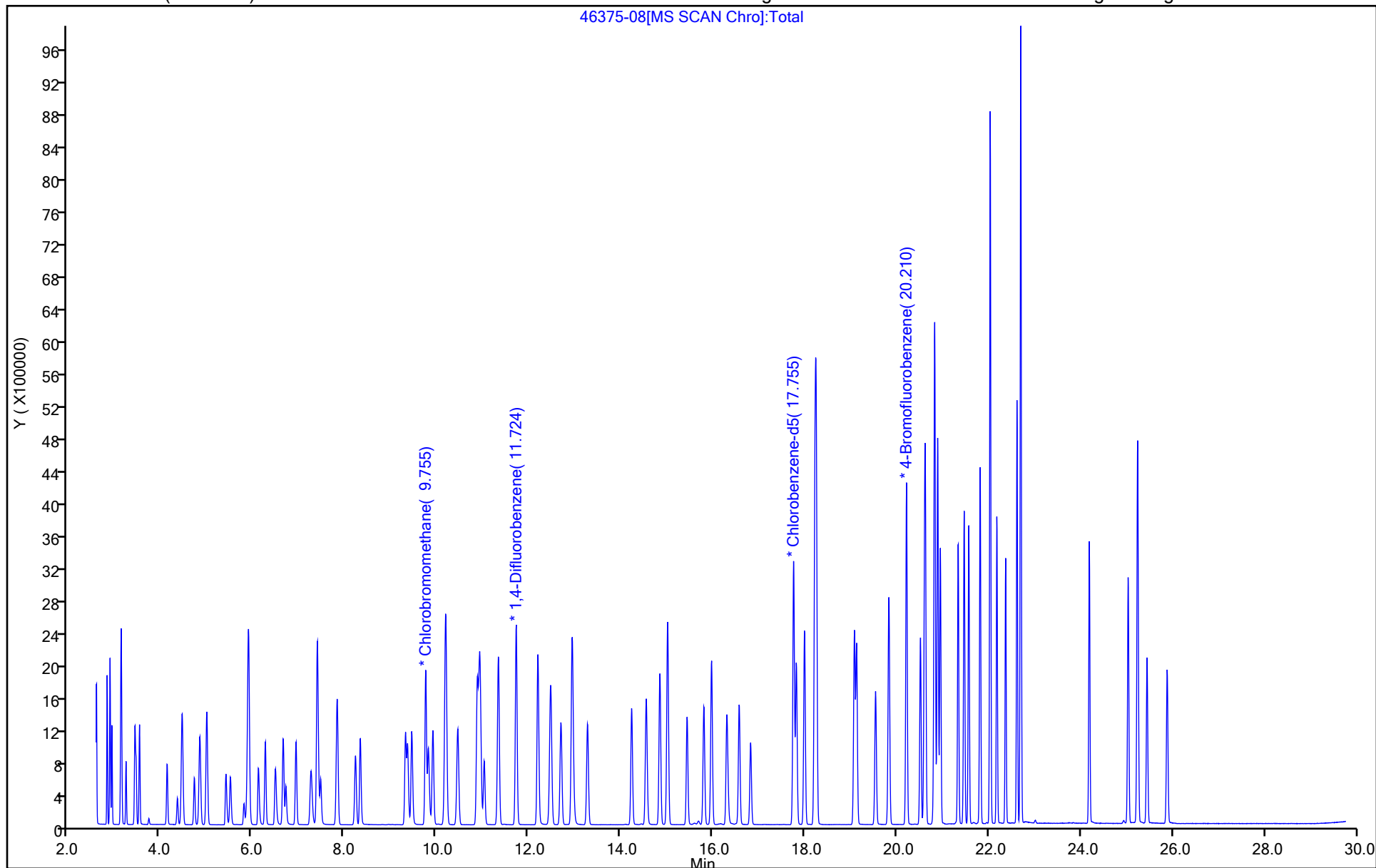
ALS Bottle#: 7

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-11.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 14-Jun-2021 23:00:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-011
 Misc. Info.: ic7
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:23:02 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: phamvu

Date: 15-Jun-2021 09:08:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.828	2.827	0.001	98	947107	20.6	19.4	
2 Dichlorodifluoromethane	85	2.892	2.891	0.001	99	2057766	20.9	21.0	
3 Chlorodifluoromethane	51	2.934	2.929	0.005	97	1538963	21.0	21.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.137	3.132	0.005	98	2071450	20.8	21.0	
5 Chloromethane	50	3.244	3.238	0.006	99	901223	21.8	21.2	
6 Butane	43	3.436	3.431	0.006	99	1401384	20.7	20.0	
7 Vinyl chloride	62	3.463	3.457	0.006	98	871826	20.8	20.3	
8 Butadiene	54	3.532	3.532	0.000	98	671313	20.2	19.6	
10 Bromomethane	94	4.135	4.130	0.005	99	704131	20.6	21.3	
11 Chloroethane	64	4.359	4.354	0.005	99	436023	20.8	21.7	
12 2-Methylbutane	43	4.461	4.455	0.006	95	1217517	20.9	24.2	
13 Vinyl bromide	106	4.727	4.722	0.005	99	650095	20.8	21.5	
14 Trichlorofluoromethane	101	4.845	4.839	0.006	98	1756378	21.1	22.1	
16 Pentane	43	5.000	4.994	0.006	96	1800011	20.3	21.4	
17 Ethanol	45	5.411	5.416	-0.005	98	1124991	40.0	39.9	
18 Ethyl ether	59	5.507	5.512	-0.005	90	617527	20.2	22.3	
19 Acrolein	56	5.806	5.805	0.001	96	365124	19.4	20.6	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.896	5.891	0.005	91	1435866	21.0	21.7	
21 1,1-Dichloroethene	96	5.907	5.901	0.006	92	690944	20.6	21.3	
22 Acetone	43	6.115	6.126	-0.011	99	1512311	20.5	19.6	
23 Carbon disulfide	76	6.270	6.264	0.006	100	2288287	20.3	20.8	
24 Isopropyl alcohol	45	6.483	6.494	-0.011	100	1674111	20.4	19.0	
25 3-Chloro-1-propene	41	6.659	6.654	0.005	92	1456757	21.3	26.1	
26 Acetonitrile	41	6.713	6.718	-0.005	99	898103	19.8	20.0	
27 Methylene Chloride	49	6.937	6.932	0.005	95	1185827	20.6	21.6	
28 2-Methyl-2-propanol	59	7.257	7.273	-0.016	94	1631369	21.6	19.3	
31 trans-1,2-Dichloroethene	61	7.396	7.396	0.000	92	1349665	20.4	22.5	
29 Methyl tert-butyl ether	73	7.407	7.412	-0.005	98	2313608	20.9	22.8	
32 Acrylonitrile	53	7.471	7.471	0.000	94	674887	20.2	21.0	
33 Hexane	57	7.828	7.828	0.000	94	1371886	21.2	22.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.229	8.228	0.000	99	1635360	20.0	22.1	
35 Vinyl acetate	43	8.335	8.335	0.000	100	3004443	20.8	22.0	
37 cis-1,2-Dichloroethene	96	9.317	9.312	0.005	97	770001	20.2	19.6	
38 2-Butanone (MEK)	72	9.360	9.365	-0.005	97	428646	20.7	19.8	
39 Ethyl acetate	88	9.451	9.461	-0.010	98	63427	20.3	19.8	
* 40 Chlorobromomethane	128	9.760	9.755	0.005	92	545971	20.0	20.0	
41 Tetrahydrofuran	42	9.808	9.819	-0.011	93	1387116	20.0	19.3	
42 Chloroform	83	9.915	9.910	0.005	96	1650105	20.2	20.3	
44 1,1,1-Trichloroethane	97	10.182	10.182	0.000	95	1579502	20.4	20.7	
43 Cyclohexane	84	10.192	10.192	0.000	92	1045788	20.3	20.5	
S 30 1,2-Dichloroethene, Total	61				0		40.6	42.1	
45 Carbon tetrachloride	117	10.454	10.449	0.005	97	1521555	20.3	21.1	
47 Benzene	78	10.876	10.875	0.001	97	2571214	20.7	20.5	
46 Isooctane	57	10.929	10.929	0.000	98	4897455	20.9	21.2	
48 1,2-Dichloroethane	62	11.030	11.025	0.005	96	1125049	20.7	20.9	
49 n-Heptane	43	11.335	11.334	0.001	97	2323157	21.0	22.2	
* 50 1,4-Difluorobenzene	114	11.724	11.719	0.005	97	2741945	20.0	20.0	
53 Trichloroethene	95	12.194	12.194	0.000	95	1035523	21.1	19.3	
52 n-Butanol	56	12.188	12.199	-0.011	95	630772	19.1	17.6	
54 1,2-Dichloropropane	63	12.695	12.695	0.000	88	1052641	20.6	20.4	
55 Methyl methacrylate	69	12.930	12.930	0.000	88	964407	20.3	20.5	
57 Dibromomethane	174	12.946	12.946	0.000	96	842801	20.6	18.8	
56 1,4-Dioxane	88	12.968	12.978	-0.010	98	427798	21.2	19.3	
58 Dichlorobromomethane	83	13.272	13.272	0.000	97	1655087	21.1	21.5	
60 cis-1,3-Dichloropropene	75	14.238	14.232	0.006	98	1575591	20.8	20.8	
61 4-Methyl-2-pentanone (MIBK)	43	14.547	14.553	-0.006	97	2756587	20.5	20.3	
A 63 Toluene Range	1	14.846	(14.806-14.886)	0	6963848	NC	NC		
65 Toluene	92	14.846	14.846	0.000	92	1590438	20.3	19.3	
A 62 C8 Range	1	15.012	(14.962-15.062)	0	9479945	NC	NC		
64 n-Octane	43	15.017	15.012	0.005	99	2986044	20.7	20.4	
66 trans-1,3-Dichloropropene	75	15.439	15.439	0.000	95	1343492	19.8	19.9	
67 1,1,2-Trichloroethane	83	15.802	15.801	0.001	96	862016	21.0	20.2	
68 Tetrachloroethene	166	15.972	15.972	0.000	95	1186011	21.0	15.2	
69 2-Hexanone	43	16.303	16.308	-0.005	89	2545111	20.0	17.7	
71 Chlorodibromomethane	129	16.575	16.575	0.000	97	1511679	19.4	20.3	
72 Ethylene Dibromide	107	16.821	16.821	0.000	98	1395715	21.2	20.5	
* 74 Chlorobenzene-d5	117	17.755	17.755	0.000	90	2558245	20.0	20.0	
75 Chlorobenzene	112	17.814	17.813	0.001	90	2079411	21.0	20.3	
76 Ethylbenzene	91	17.995	17.990	0.005	99	3664461	20.4	20.1	
77 n-Nonane	57	18.219	18.214	0.005	95	2441254	21.0	21.0	
78 m-Xylene & p-Xylene	106	18.246	18.246	0.000	0	2774720	41.1	40.5	
79 o-Xylene	106	19.078	19.078	0.000	98	1286093	20.7	19.7	
80 Styrene	104	19.126	19.126	0.000	98	2073496	20.6	19.9	
81 Bromoform	173	19.537	19.537	0.000	96	1486559	20.6	24.8	
82 Isopropylbenzene	105	19.826	19.825	0.001	97	3834970	20.9	19.9	
S 73 Xylenes, Total	106				0		61.8	60.2	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	86	1911731	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	97	2232847	20.7	20.0	
86 1,2,3-Trichloropropane	75	20.599	20.599	0.000	96	1879506	21.2	20.5	
85 N-Propylbenzene	91	20.621	20.621	0.000	98	5216426	20.8	20.2	
89 2-Chlorotoluene	91	20.818	20.818	0.000	97	3606250	20.9	20.3	
88 4-Ethyltoluene	105	20.829	20.829	0.000	98	4127649	20.7	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.888	20.888	0.000	83	2985404	20.8	20.1	
90 1,3,5-Trimethylbenzene	105	20.946	20.946	0.000	92	3159137	20.8	19.5	
91 Alpha Methyl Styrene	118	21.336	21.336	0.000	85	1637863	20.4	19.7	
92 tert-Butylbenzene	119	21.464	21.464	0.000	90	2986112	20.7	19.1	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	99	3184246	20.8	19.4	
94 sec-Butylbenzene	105	21.811	21.811	0.000	99	4937027	20.9	19.8	
95 4-Isopropyltoluene	119	22.030	22.030	0.000	96	4267395	20.6	20.2	
96 1,3-Dichlorobenzene	146	22.035	22.035	0.000	98	2254143	21.2	19.5	
97 1,4-Dichlorobenzene	146	22.179	22.174	0.005	92	2108485	20.9	18.5	
98 Benzyl chloride	91	22.366	22.366	0.000	97	3298005	21.2	21.3	
100 n-Butylbenzene	91	22.611	22.611	0.000	98	4269043	20.8	20.0	
99 Undecane	57	22.692	22.691	0.001	93	3511515	20.9	19.9	
101 1,2-Dichlorobenzene	146	22.702	22.702	0.000	94	2120042	20.9	18.3	
102 Dodecane	57	24.186	24.186	0.000	90	1984450	18.7	14.6	
103 1,2,4-Trichlorobenzene	180	25.034	25.029	0.005	94	1645994	21.7	19.8	
104 Hexachlorobutadiene	225	25.237	25.237	0.000	97	1801105	20.5	19.5	
105 Naphthalene	128	25.440	25.440	0.000	98	2867020	19.4	15.8	
106 1,2,3-Trichlorobenzene	180	25.878	25.878	0.000	94	1160431	18.2	16.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00189

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:23:02

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-11.D

Injection Date: 14-Jun-2021 23:00:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

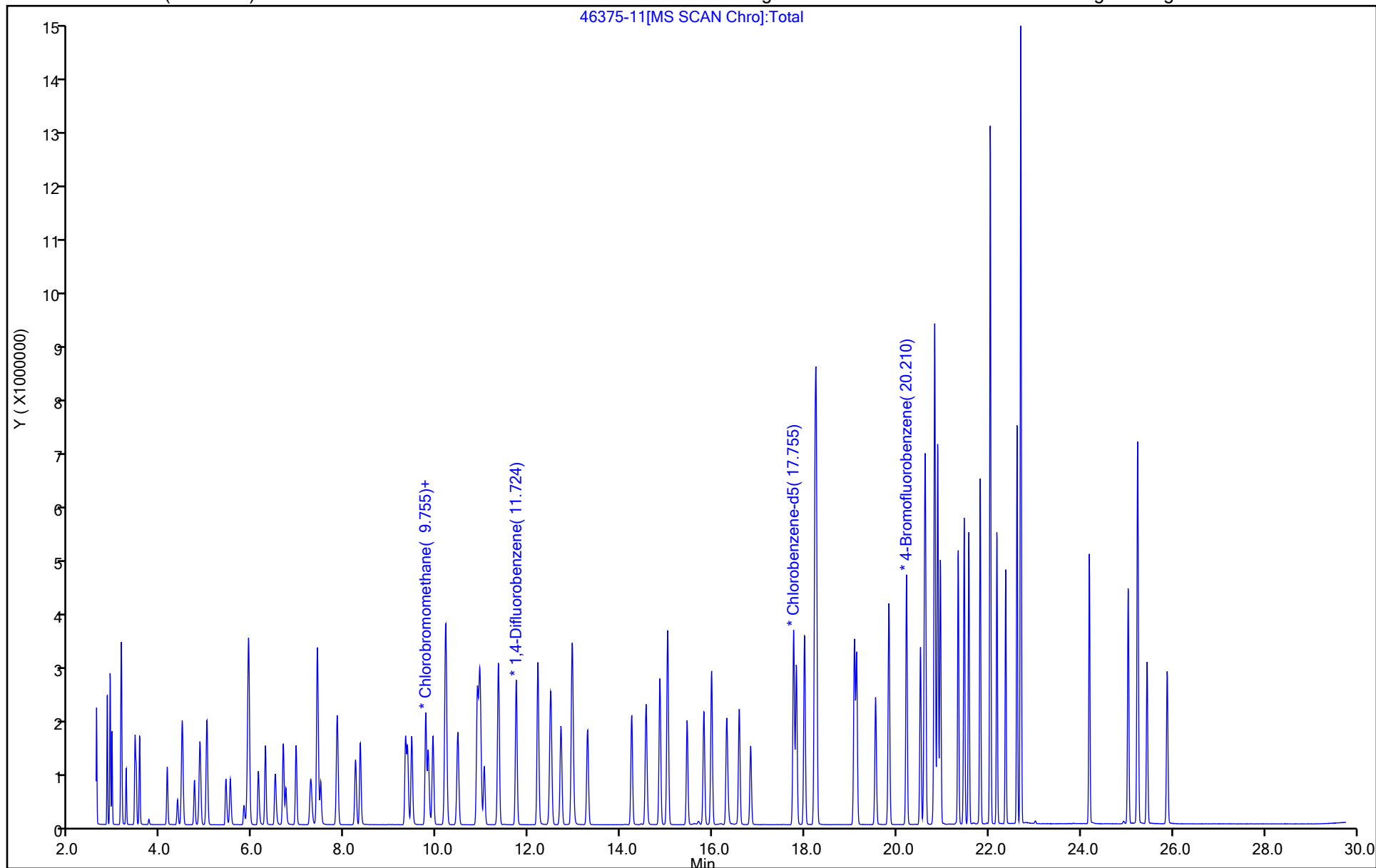
ALS Bottle#: 10

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 14-Jun-2021 23:55:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-012
 Misc. Info.: ic8
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:23:03 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1646

First Level Reviewer: phamvu

Date: 15-Jun-2021 09:10:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.828	2.827	0.001	98	1948052	41.3	38.0	
2 Dichlorodifluoromethane	85	2.892	2.891	0.001	99	4291689	41.8	41.7	
3 Chlorodifluoromethane	51	2.929	2.929	0.000	97	3151418	41.9	40.9	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.132	3.132	0.000	98	4319086	41.6	41.7	
5 Chloromethane	50	3.239	3.238	0.000	99	1872223	43.7	41.9	
6 Butane	43	3.436	3.431	0.006	99	2852156	41.4	38.7	
7 Vinyl chloride	62	3.457	3.457	0.000	98	1786461	41.6	39.5	
8 Butadiene	54	3.532	3.532	0.000	98	1365613	40.5	38.0	
10 Bromomethane	94	4.135	4.130	0.005	99	1426296	41.2	41.0	
11 Chloroethane	64	4.359	4.354	0.005	99	901131	41.6	42.8	
12 2-Methylbutane	43	4.461	4.455	0.006	94	2400176	41.8	45.4	
13 Vinyl bromide	106	4.728	4.722	0.006	99	1364303	41.7	42.9	
14 Trichlorofluoromethane	101	4.845	4.839	0.006	98	3639235	42.2	43.6	
16 Pentane	43	4.994	4.994	0.000	96	3566318	40.5	40.4	
17 Ethanol	45	5.405	5.416	-0.011	97	2599399	100.0	87.7	
18 Ethyl ether	59	5.496	5.512	-0.016	92	1241929	40.3	42.6	
19 Acrolein	56	5.795	5.805	-0.010	96	747371	38.9	40.2	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.896	5.891	0.005	92	3012443	42.0	43.3	
21 1,1-Dichloroethene	96	5.907	5.901	0.006	93	1453567	41.1	42.6	
22 Acetone	43	6.104	6.126	-0.022	99	3053178	41.0	37.7	
23 Carbon disulfide	76	6.270	6.264	0.006	100	4871838	40.6	42.1	
24 Isopropyl alcohol	45	6.467	6.494	-0.027	99	3498669	40.9	37.7	
25 3-Chloro-1-propene	41	6.659	6.654	0.005	92	2639480	42.6	44.9	
26 Acetonitrile	41	6.713	6.718	-0.005	99	1700929	39.6	36.0	
27 Methylene Chloride	49	6.937	6.932	0.005	96	2429472	41.1	42.2	
28 2-Methyl-2-propanol	59	7.236	7.273	-0.037	94	3693518	43.1	41.6	
31 trans-1,2-Dichloroethene	61	7.396	7.396	0.000	92	2756651	40.8	43.8	
29 Methyl tert-butyl ether	73	7.396	7.412	-0.016	98	4862206	41.8	45.7	
32 Acrylonitrile	53	7.471	7.471	0.000	95	1456497	40.4	43.0	
33 Hexane	57	7.834	7.828	0.006	94	3008627	42.4	46.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.229	8.228	0.000	99	3325723	40.0	42.7	
35 Vinyl acetate	43	8.330	8.335	-0.005	100	5823147	41.6	40.6	
37 cis-1,2-Dichloroethene	96	9.317	9.312	0.005	97	1651069	40.4	40.0	
38 2-Butanone (MEK)	72	9.355	9.365	-0.010	98	904717	41.4	39.8	
39 Ethyl acetate	88	9.445	9.461	-0.016	98	134381	40.5	40.0	
* 40 Chlorobromomethane	128	9.760	9.755	0.005	92	573692	20.0	20.0	
41 Tetrahydrofuran	42	9.803	9.819	-0.016	94	2920612	40.0	39.3	
42 Chloroform	83	9.915	9.910	0.005	96	3556479	40.4	41.5	
44 1,1,1-Trichloroethane	97	10.187	10.182	0.005	95	3477924	40.8	44.1	
43 Cyclohexane	84	10.192	10.192	0.000	92	2269493	40.6	43.0	
S 30 1,2-Dichloroethene, Total	61				0		81.2	83.8	
45 Carbon tetrachloride	117	10.454	10.449	0.005	97	3311906	40.6	44.4	
47 Benzene	78	10.876	10.875	0.001	98	5607847	41.3	43.3	
46 Isooctane	57	10.934	10.929	0.005	98	10852798	41.9	45.5	
48 1,2-Dichloroethane	62	11.030	11.025	0.005	96	2511950	41.4	45.2	
49 n-Heptane	43	11.340	11.334	0.006	97	4967567	42.0	45.8	
* 50 1,4-Difluorobenzene	114	11.724	11.719	0.005	97	2837940	20.0	20.0	
53 Trichloroethene	95	12.194	12.194	0.000	93	2266333	42.1	40.9	
52 n-Butanol	56	12.178	12.199	-0.021	96	1402153	38.2	37.9	
54 1,2-Dichloropropane	63	12.696	12.695	0.001	89	2281505	41.2	42.7	
55 Methyl methacrylate	69	12.930	12.930	0.000	88	2219532	40.6	45.5	
57 Dibromomethane	174	12.952	12.946	0.006	98	1931468	41.2	41.6	
56 1,4-Dioxane	88	12.957	12.978	-0.021	96	954554	42.3	41.6	
58 Dichlorobromomethane	83	13.277	13.272	0.005	97	3696127	42.3	46.3	
60 cis-1,3-Dichloropropene	75	14.238	14.232	0.006	98	3485964	41.6	44.5	
61 4-Methyl-2-pentanone (MIBK)	43	14.537	14.553	-0.016	97	6121497	41.0	43.5	
A 63 Toluene Range	1	14.846	(14.806-14.886)	0	15281085	NC	NC		
65 Toluene	92	14.852	14.846	0.006	92	3539254	40.6	42.1	
A 62 C8 Range	1	15.012	(14.962-15.062)	0	21037107	NC	NC		
64 n-Octane	43	15.017	15.012	0.005	99	6654160	41.3	43.8	
66 trans-1,3-Dichloropropene	75	15.439	15.439	0.000	97	2981656	39.5	42.6	
67 1,1,2-Trichloroethane	83	15.807	15.801	0.006	96	1915836	41.9	44.2	
68 Tetrachloroethene	166	15.972	15.972	0.000	94	2660041	42.0	33.6	
69 2-Hexanone	43	16.293	16.308	-0.015	89	5754255	40.0	39.2	
71 Chlorodibromomethane	129	16.575	16.575	0.000	97	3347117	38.7	44.2	
72 Ethylene Dibromide	107	16.821	16.821	0.000	99	3098107	42.4	44.7	
* 74 Chlorobenzene-d5	117	17.760	17.755	0.005	92	2604257	20.0	20.0	
75 Chlorobenzene	112	17.819	17.813	0.006	89	4405236	42.0	42.2	
76 Ethylbenzene	91	17.995	17.990	0.005	99	8083691	40.9	43.6	
77 n-Nonane	57	18.219	18.214	0.005	97	5699280	41.9	48.1	
78 m-Xylene & p-Xylene	106	18.251	18.246	0.005	0	6452898	82.2	92.5	
79 o-Xylene	106	19.078	19.078	0.000	97	2844711	41.4	42.9	
80 Styrene	104	19.126	19.126	0.000	98	4607927	41.3	43.5	
81 Bromoform	173	19.537	19.537	0.000	95	3190927	41.2	52.4	
82 Isopropylbenzene	105	19.831	19.825	0.006	97	8643192	41.7	44.0	
S 73 Xylenes, Total	106				0		123.7	135.3	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	95	2005037	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	97	5075773	41.4	44.8	
86 1,2,3-Trichloropropane	75	20.605	20.599	0.006	96	4325844	42.4	46.2	
85 N-Propylbenzene	91	20.626	20.621	0.005	98	11895422	41.6	45.2	
89 2-Chlorotoluene	91	20.818	20.818	0.000	96	8582991	41.8	47.3	
88 4-Ethyltoluene	105	20.829	20.829	0.000	98	9678260	41.3	46.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	20.893	20.888	0.005	84	7005150	41.7	46.4	
90 1,3,5-Trimethylbenzene	105	20.946	20.946	0.000	91	7340744	41.6	44.5	
91 Alpha Methyl Styrene	118	21.336	21.336	0.000	85	3664547	40.8	43.2	
92 tert-Butylbenzene	119	21.469	21.464	0.005	90	6906398	41.4	43.5	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	99	7254296	41.6	43.5	
94 sec-Butylbenzene	105	21.816	21.811	0.005	98	11276037	41.8	44.4	
95 4-Isopropyltoluene	119	22.030	22.030	0.000	97	9934879	41.2	46.3	
96 1,3-Dichlorobenzene	146	22.035	22.035	0.000	99	5106754	42.3	43.4	
97 1,4-Dichlorobenzene	146	22.179	22.174	0.005	92	4680393	41.9	40.2	
98 Benzyl chloride	91	22.366	22.366	0.000	97	7448198	42.3	47.3	
100 n-Butylbenzene	91	22.617	22.611	0.006	99	9573425	41.6	44.1	
99 Undecane	57	22.692	22.691	0.001	97	8149499	41.8	45.5	
101 1,2-Dichlorobenzene	146	22.702	22.702	0.000	94	4809049	41.8	40.9	
102 Dodecane	57	24.186	24.186	0.000	91	5691185	37.4	41.1	
103 1,2,4-Trichlorobenzene	180	25.034	25.029	0.005	94	3337819	43.4	39.5	
104 Hexachlorobutadiene	225	25.237	25.237	0.000	97	4192032	41.0	44.5	
105 Naphthalene	128	25.445	25.440	0.005	98	5836894	38.9	31.6	
106 1,2,3-Trichlorobenzene	180	25.878	25.878	0.000	94	2610855	36.5	37.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00106

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:23:04

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D

Injection Date: 14-Jun-2021 23:55:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

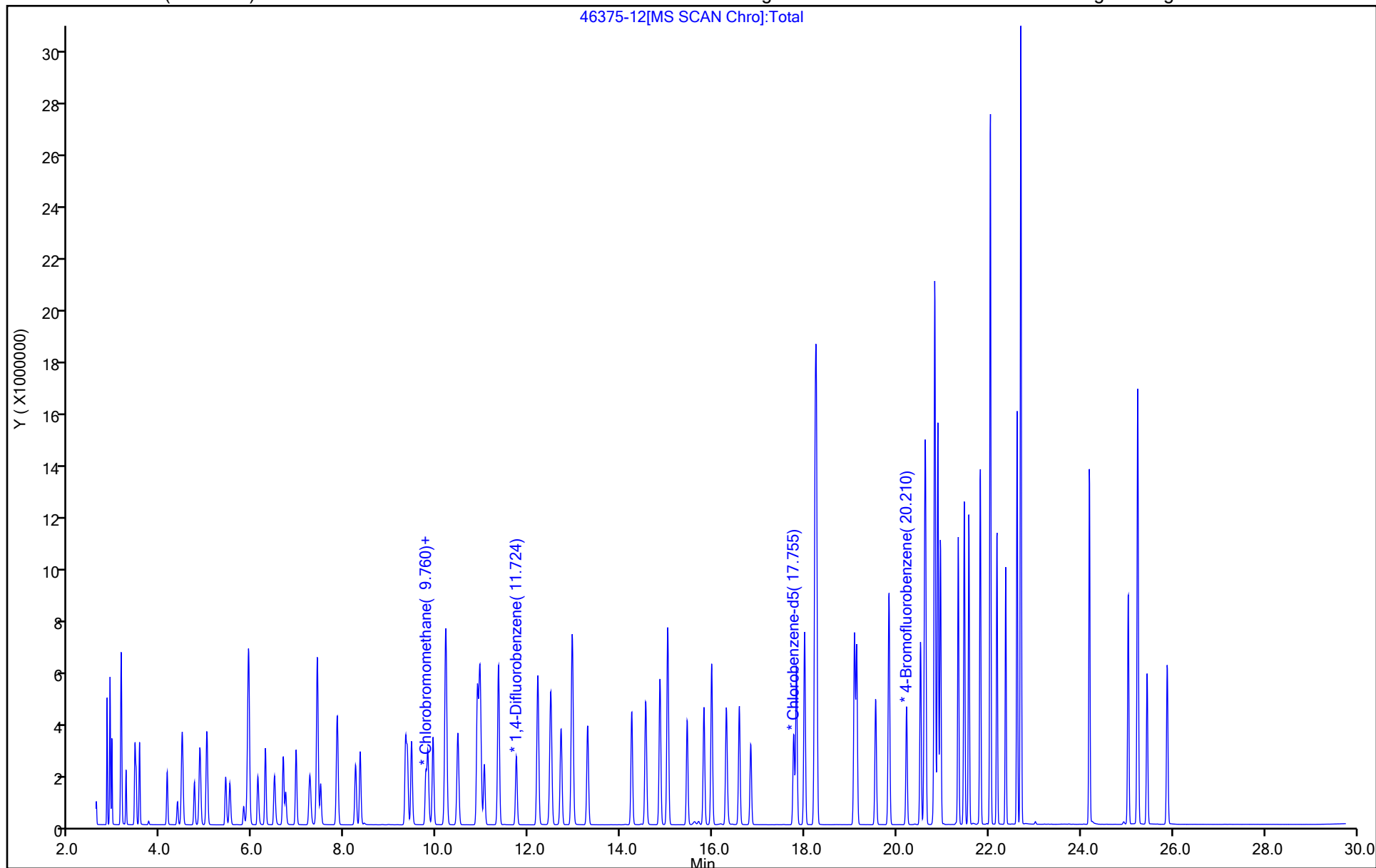
ALS Bottle#: 11

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration

/ Propene

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

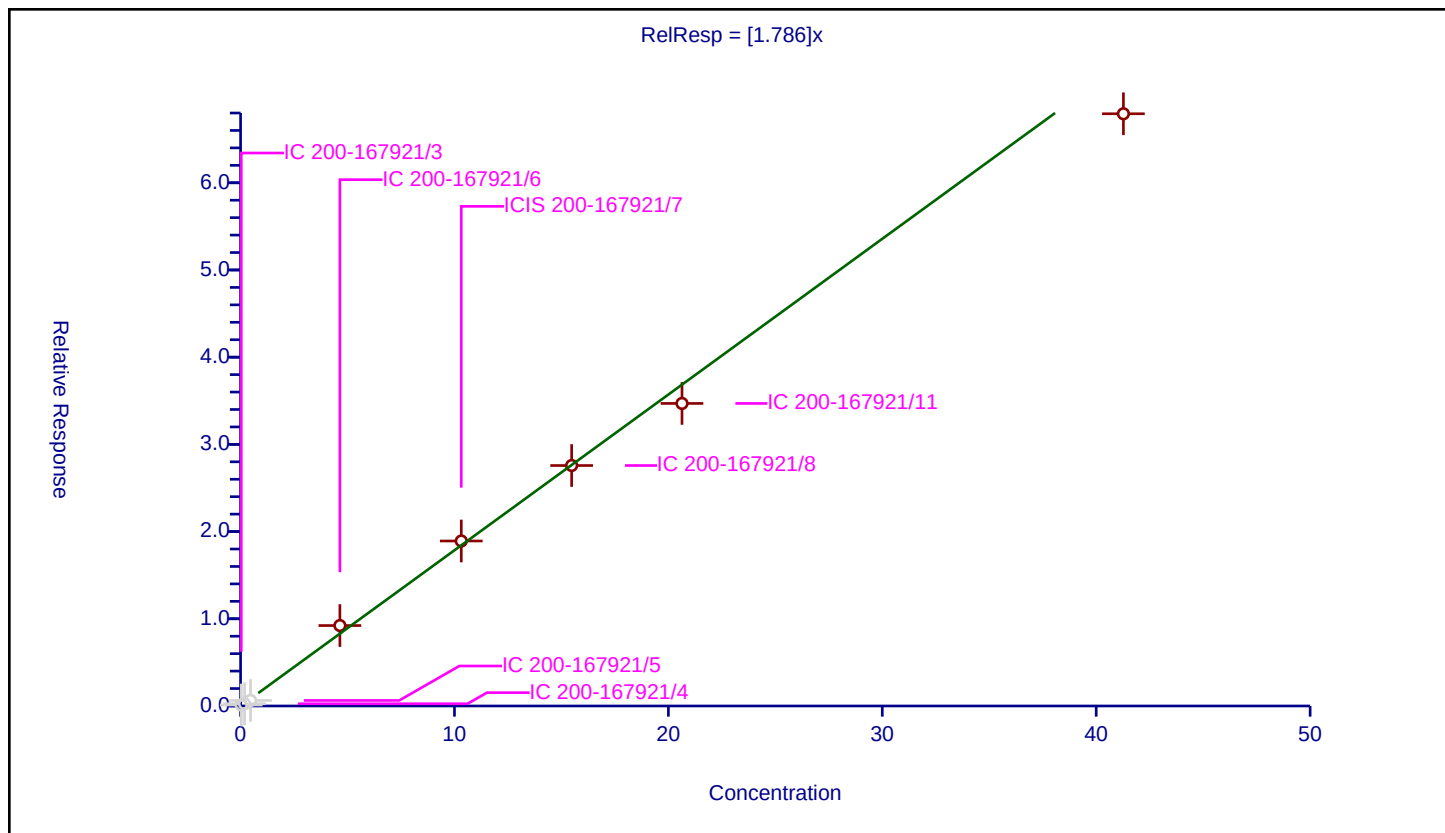
Curve Coefficients

Intercept: 0
 Slope: 1.786

Error Coefficients

Standard Error: 1170000
 Relative Standard Error: 7.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033097	0.112307	20.0	515195.0	3.393309	N
2	IC 200-167921/4	0.186168	0.256852	20.0	463925.0	1.379675	N
3	IC 200-167921/5	0.465421	0.633269	20.0	492397.0	1.360638	N
4	IC 200-167921/6	4.643099	9.224391	20.0	487256.0	1.986688	Y
5	ICIS 200-167921/7	10.317998	18.920523	20.0	507894.0	1.83374	Y
6	IC 200-167921/8	15.476997	27.57677	20.0	521267.0	1.781791	Y
7	IC 200-167921/11	20.635996	34.694407	20.0	545971.0	1.681257	Y
8	IC 200-167921/12	41.271991	67.912817	20.0	573692.0	1.645494	Y



Calibration

/ Dichlorodifluoromethane

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

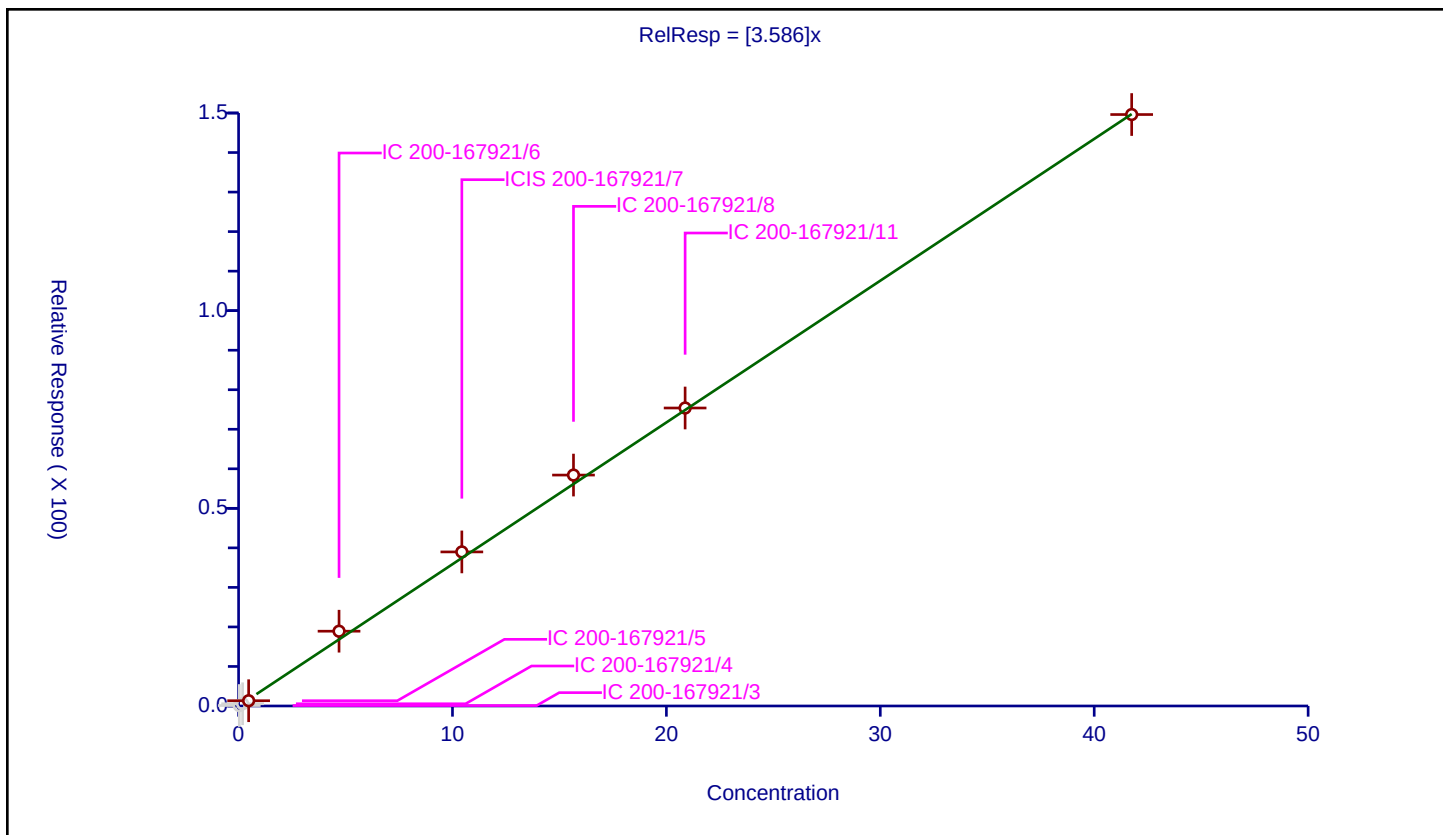
Curve Coefficients

Intercept: 0
 Slope: 3.586

Error Coefficients

Standard Error: 2290000
 Relative Standard Error: 11.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033481	0.10792	20.0	515195.0	3.223287	N
2	IC 200-167921/4	0.188333	0.560953	20.0	463925.0	2.978514	N
3	IC 200-167921/5	0.470833	1.332908	20.0	492397.0	2.830959	Y
4	IC 200-167921/6	4.697089	18.915437	20.0	487256.0	4.027056	Y
5	ICIS 200-167921/7	10.437975	38.974392	20.0	507894.0	3.733904	Y
6	IC 200-167921/8	15.656962	58.411217	20.0	521267.0	3.730687	Y
7	IC 200-167921/11	20.875949	75.380048	20.0	545971.0	3.610856	Y
8	IC 200-167921/12	41.751898	149.616484	20.0	573692.0	3.583465	Y



Calibration

/ Chlorodifluoromethane

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

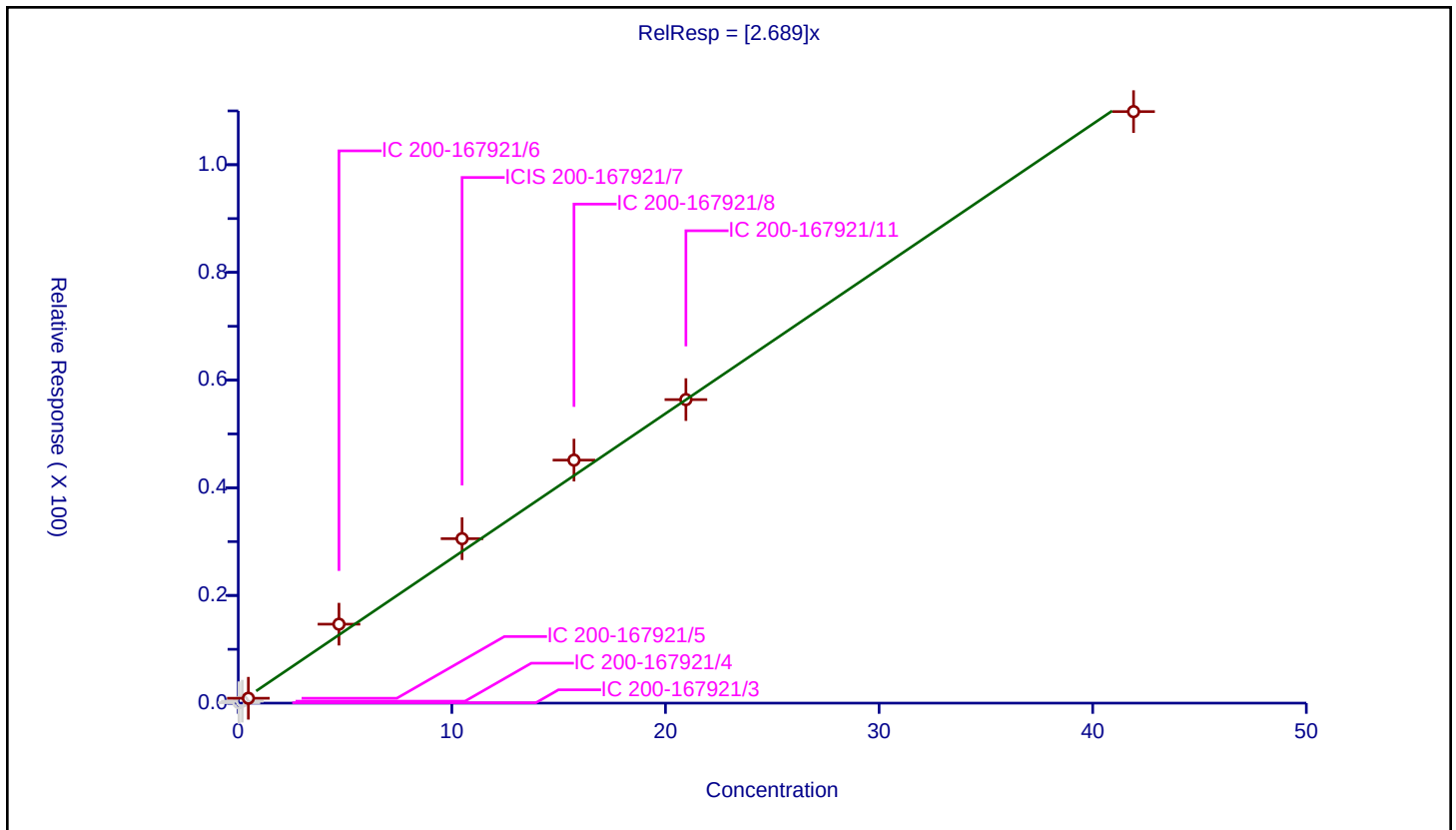
Curve Coefficients

Intercept: 0
Slope: 2.689

Error Coefficients

Standard Error: 1700000
Relative Standard Error: 15.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03361	0.077835	20.0	515195.0	2.315836	N
2	IC 200-167921/4	0.189055	0.361222	20.0	463925.0	1.910676	N
3	IC 200-167921/5	0.472637	0.909794	20.0	492397.0	1.924934	Y
4	IC 200-167921/6	4.715085	14.662518	20.0	487256.0	3.109704	Y
5	ICIS 200-167921/7	10.477967	30.545468	20.0	507894.0	2.915209	Y
6	IC 200-167921/8	15.71695	45.135295	20.0	521267.0	2.871759	Y
7	IC 200-167921/11	20.955934	56.375265	20.0	545971.0	2.690182	Y
8	IC 200-167921/12	41.911867	109.864457	20.0	573692.0	2.621321	Y



Calibration

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

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

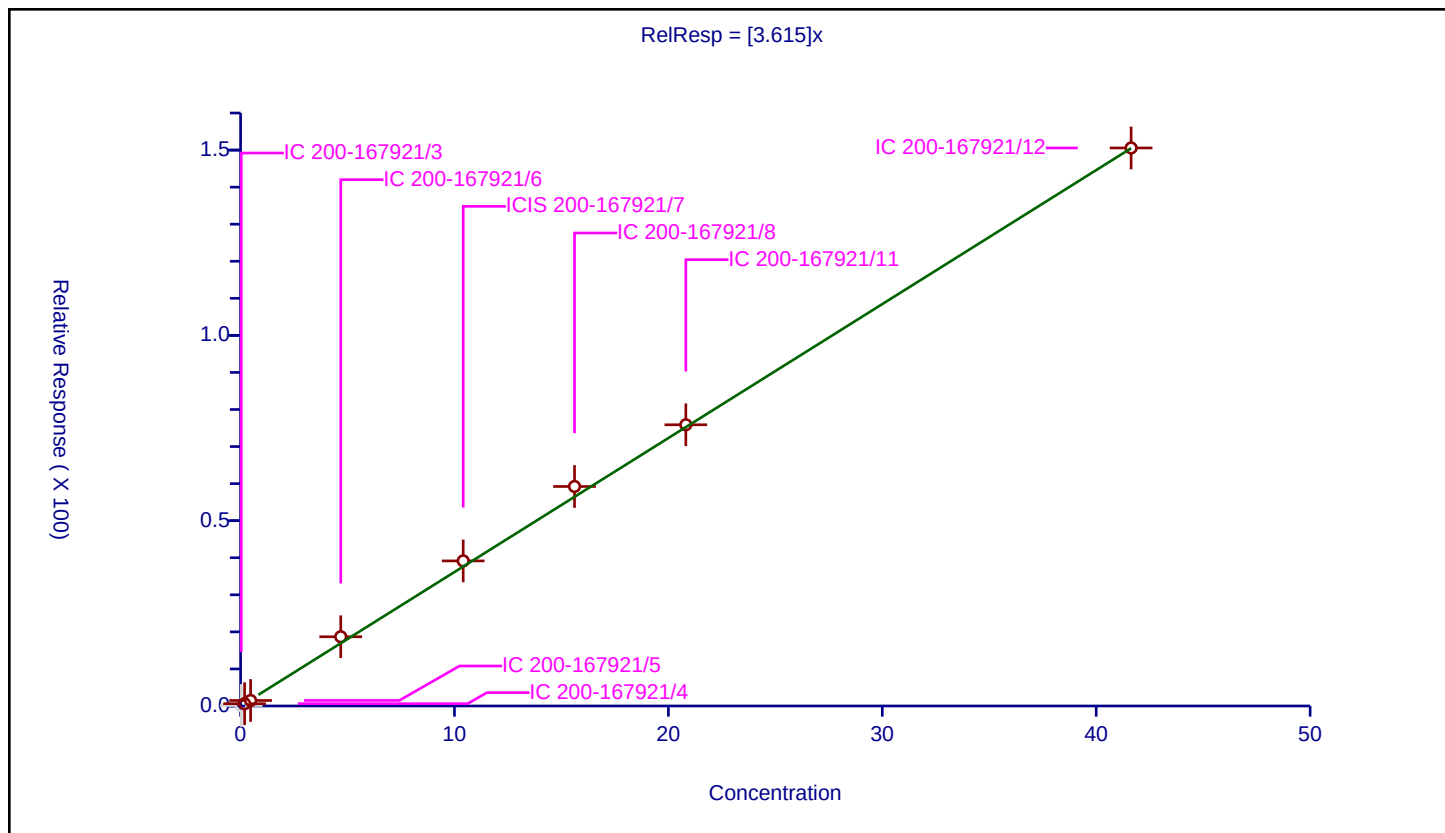
Curve Coefficients

Intercept: 0
 Slope: 3.615

Error Coefficients

Standard Error: 2100000
 Relative Standard Error: 7.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033385	0.130708	20.0	515195.0	3.915138	N
2	IC 200-167921/4	0.187792	0.624929	20.0	463925.0	3.327771	Y
3	IC 200-167921/5	0.46948	1.488392	20.0	492397.0	3.170301	Y
4	IC 200-167921/6	4.683591	18.68135	20.0	487256.0	3.988681	Y
5	ICIS 200-167921/7	10.40798	39.147657	20.0	507894.0	3.761312	Y
6	IC 200-167921/8	15.611971	59.226155	20.0	521267.0	3.793637	Y
7	IC 200-167921/11	20.815961	75.88132	20.0	545971.0	3.645343	Y
8	IC 200-167921/12	41.631921	150.571596	20.0	573692.0	3.616734	Y



Calibration

/ Chloromethane

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

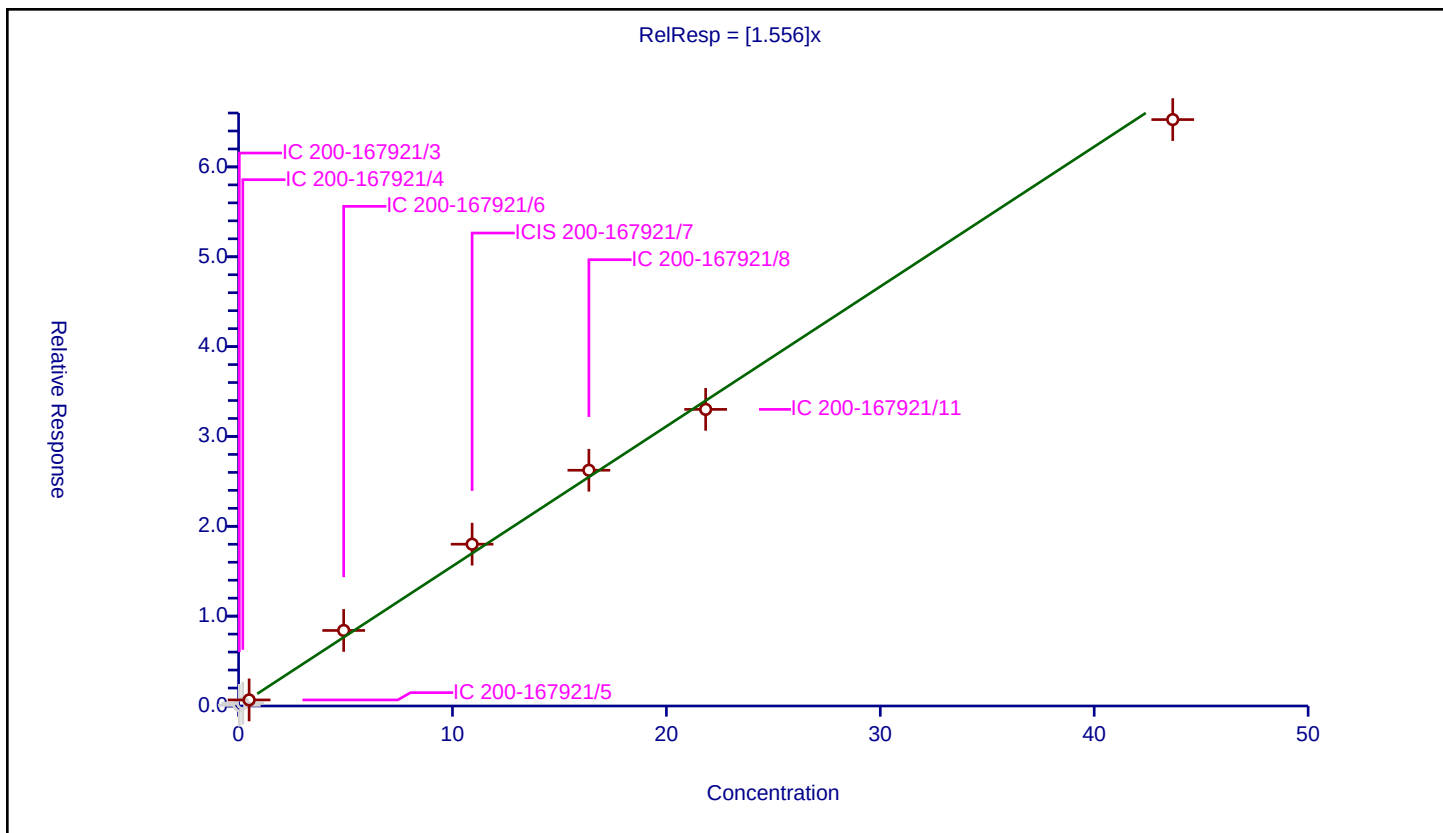
Curve Coefficients

Intercept: 0
 Slope: 1.556

Error Coefficients

Standard Error: 1000000
 Relative Standard Error: 7.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.035021	0.070769	20.0	515195.0	2.020779	N
2	IC 200-167921/4	0.196992	0.314922	20.0	463925.0	1.598651	N
3	IC 200-167921/5	0.49248	0.673887	20.0	492397.0	1.368354	Y
4	IC 200-167921/6	4.913047	8.406423	20.0	487256.0	1.711041	Y
5	ICIS 200-167921/7	10.917881	18.008679	20.0	507894.0	1.649466	Y
6	IC 200-167921/8	16.376822	26.240487	20.0	521267.0	1.602294	Y
7	IC 200-167921/11	21.835763	33.013585	20.0	545971.0	1.511904	Y
8	IC 200-167921/12	43.671526	65.269273	20.0	573692.0	1.49455	Y



Calibration

/ Butane

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

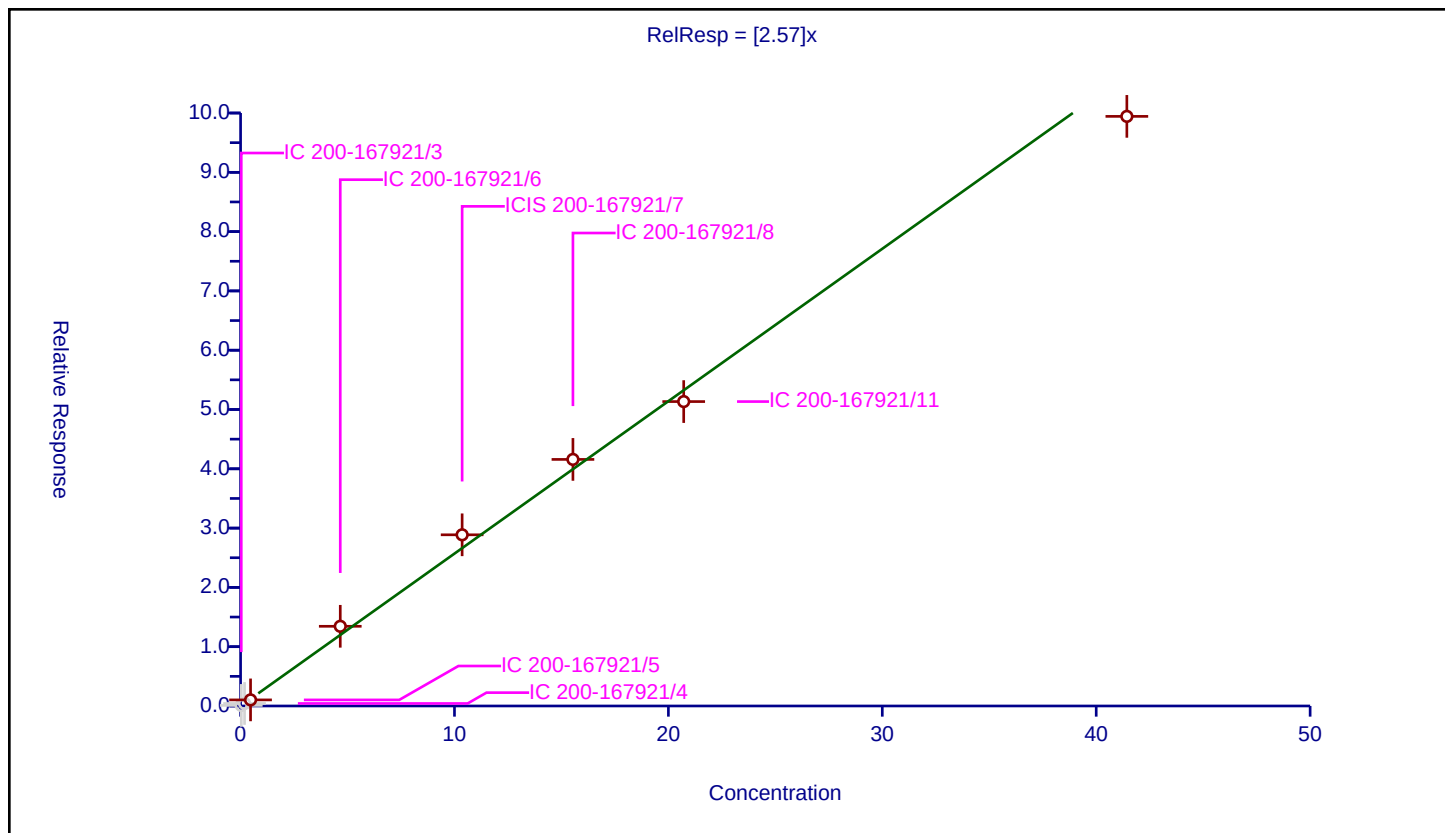
Curve Coefficients

Intercept: 0
 Slope: 2.57

Error Coefficients

Standard Error: 1540000
 Relative Standard Error: 10.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033225	0.098603	20.0	515195.0	2.967759	N
2	IC 200-167921/4	0.18689	0.424982	20.0	463925.0	2.273972	N
3	IC 200-167921/5	0.467225	1.026042	20.0	492397.0	2.196035	Y
4	IC 200-167921/6	4.661096	13.441599	20.0	487256.0	2.883785	Y
5	ICIS 200-167921/7	10.35799	28.868189	20.0	507894.0	2.787045	Y
6	IC 200-167921/8	15.536985	41.581032	20.0	521267.0	2.676261	Y
7	IC 200-167921/11	20.71598	51.335474	20.0	545971.0	2.478062	Y
8	IC 200-167921/12	41.43196	99.431611	20.0	573692.0	2.399877	Y



Calibration

/ Vinyl chloride

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

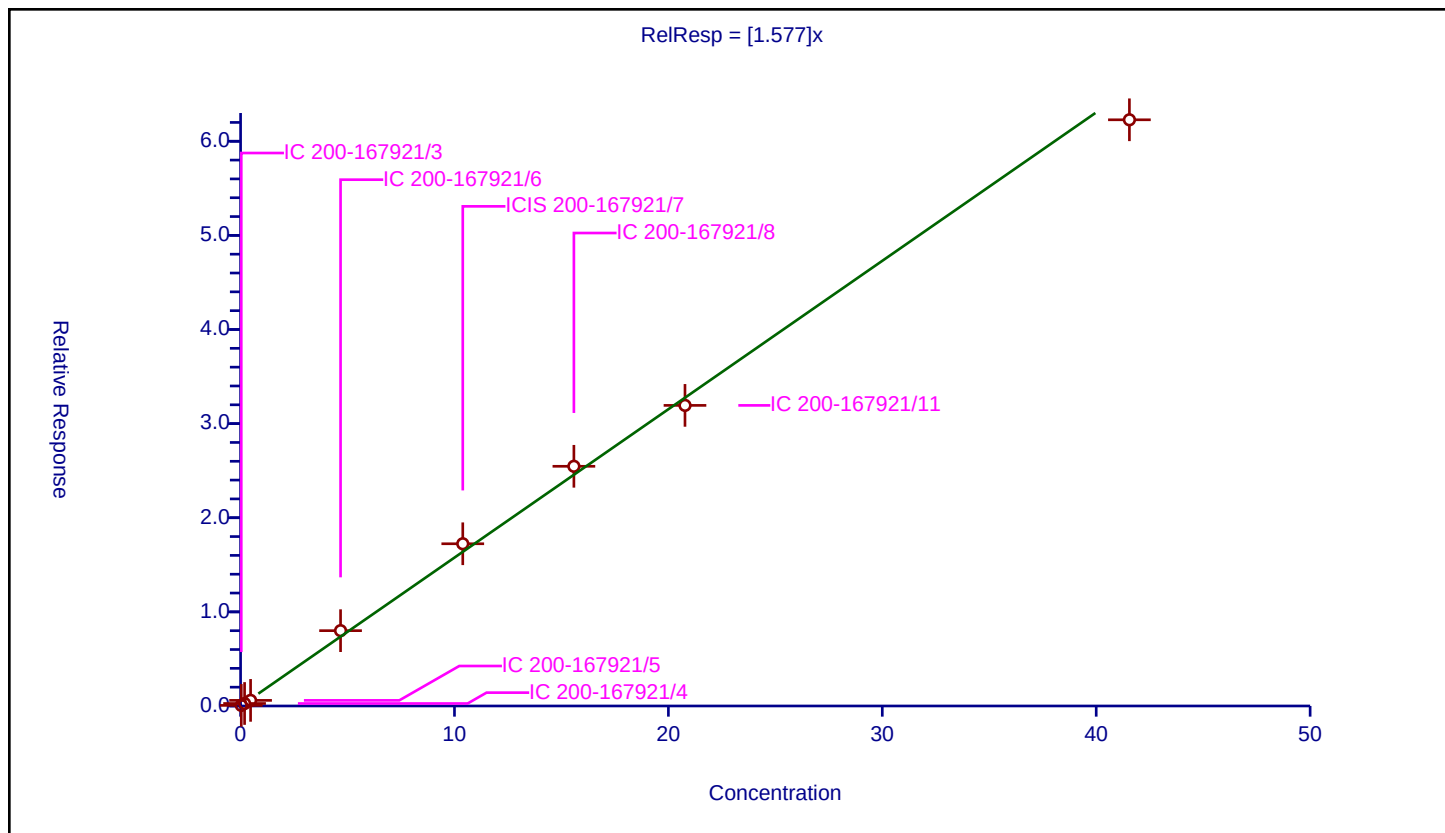
Curve Coefficients

Intercept: 0
 Slope: 1.577

Error Coefficients

Standard Error: 813000
 Relative Standard Error: 12.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033321	0.062811	20.0	515195.0	1.885027	Y
2	IC 200-167921/4	0.187431	0.265086	20.0	463925.0	1.414311	Y
3	IC 200-167921/5	0.468578	0.595779	20.0	492397.0	1.271463	Y
4	IC 200-167921/6	4.674593	8.003144	20.0	487256.0	1.712052	Y
5	ICIS 200-167921/7	10.387984	17.235329	20.0	507894.0	1.65916	Y
6	IC 200-167921/8	15.581976	25.466297	20.0	521267.0	1.634343	Y
7	IC 200-167921/11	20.775968	31.936715	20.0	545971.0	1.537195	Y
8	IC 200-167921/12	41.551937	62.279446	20.0	573692.0	1.498834	Y



Calibration

/ Butadiene

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

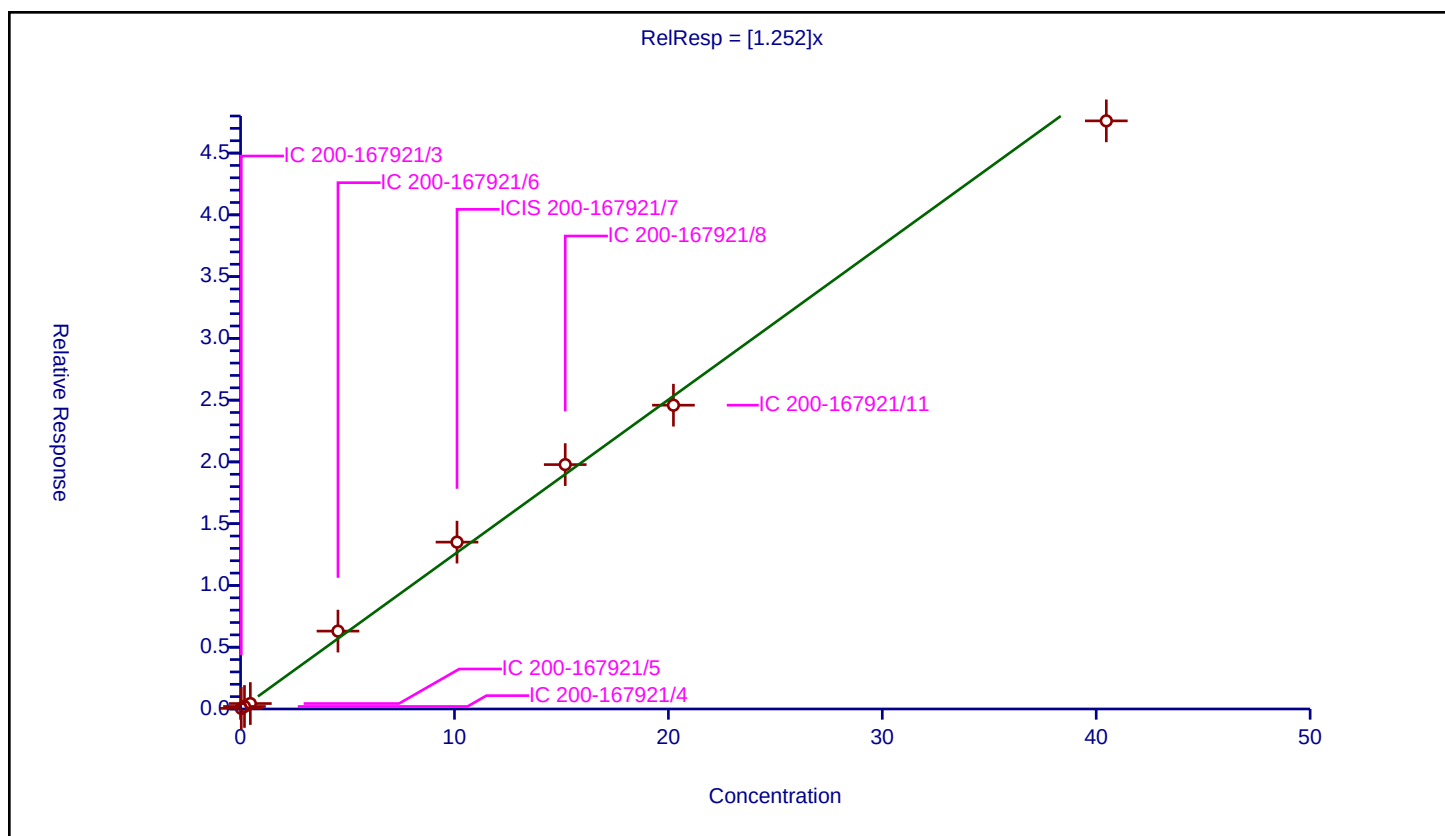
Curve Coefficients

Intercept: 0
Slope: 1.252

Error Coefficients

Standard Error: 624000
Relative Standard Error: 13.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032455	0.04903	20.0	515195.0	1.510698	Y
2	IC 200-167921/4	0.18256	0.204559	20.0	463925.0	1.1205	Y
3	IC 200-167921/5	0.456401	0.442367	20.0	492397.0	0.96925	Y
4	IC 200-167921/6	4.553116	6.303381	20.0	487256.0	1.38441	Y
5	ICIS 200-167921/7	10.118037	13.50707	20.0	507894.0	1.33495	Y
6	IC 200-167921/8	15.177055	19.783336	20.0	521267.0	1.303503	Y
7	IC 200-167921/11	20.236073	24.591526	20.0	545971.0	1.215232	Y
8	IC 200-167921/12	40.472146	47.60788	20.0	573692.0	1.176312	Y



Calibration

/ Bromomethane

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

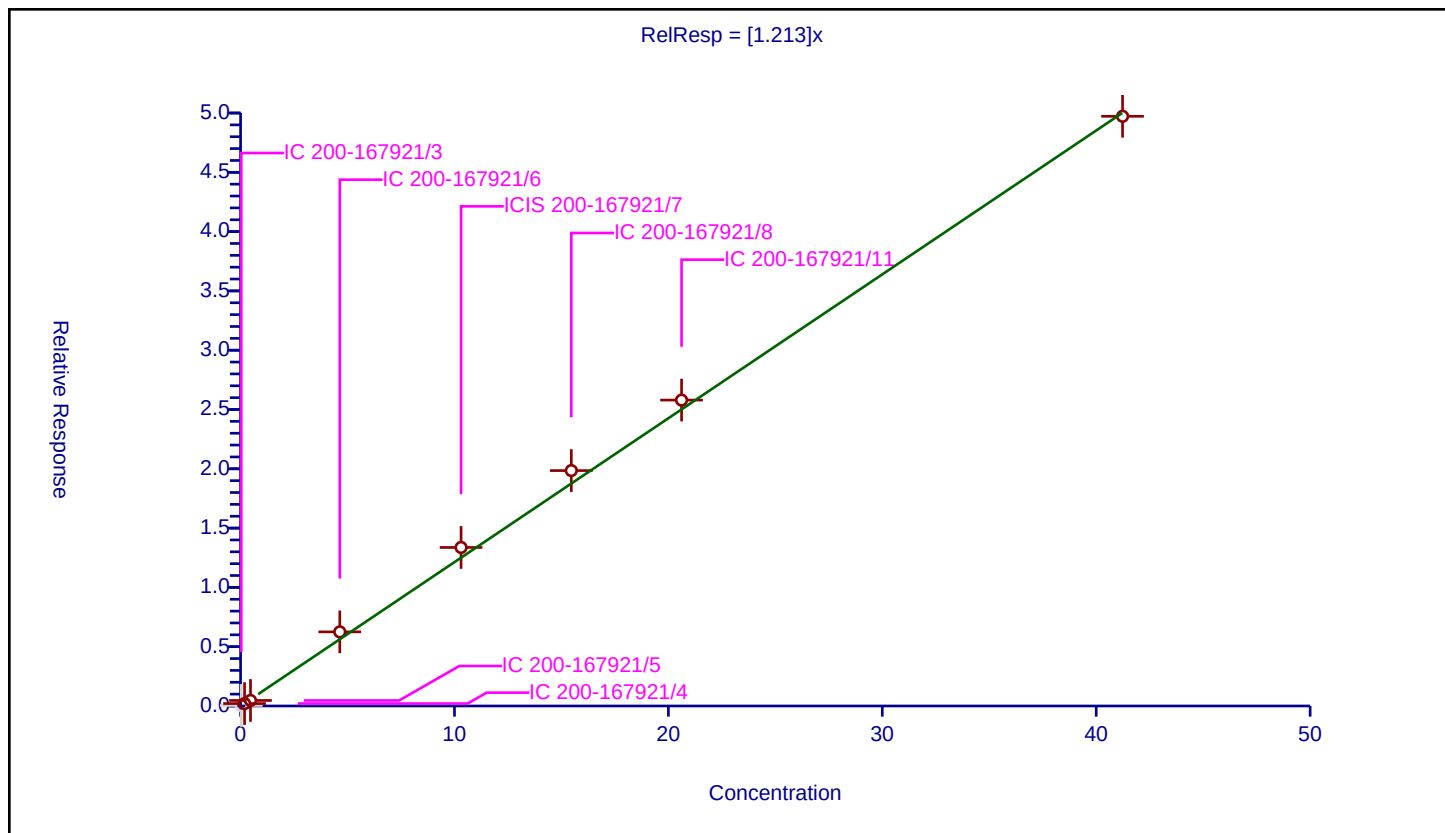
Curve Coefficients

Intercept: 0
 Slope: 1.213

Error Coefficients

Standard Error: 700000
 Relative Standard Error: 10.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033065	0.043323	20.0	515195.0	1.310268	N
2	IC 200-167921/4	0.185988	0.205378	20.0	463925.0	1.104254	Y
3	IC 200-167921/5	0.46497	0.466372	20.0	492397.0	1.003015	Y
4	IC 200-167921/6	4.6386	6.249159	20.0	487256.0	1.347208	Y
5	ICIS 200-167921/7	10.308	13.366766	20.0	507894.0	1.296737	Y
6	IC 200-167921/8	15.462	19.848216	20.0	521267.0	1.283677	Y
7	IC 200-167921/11	20.615999	25.793714	20.0	545971.0	1.25115	Y
8	IC 200-167921/12	41.231999	49.723406	20.0	573692.0	1.205942	Y



Calibration

/ Chloroethane

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

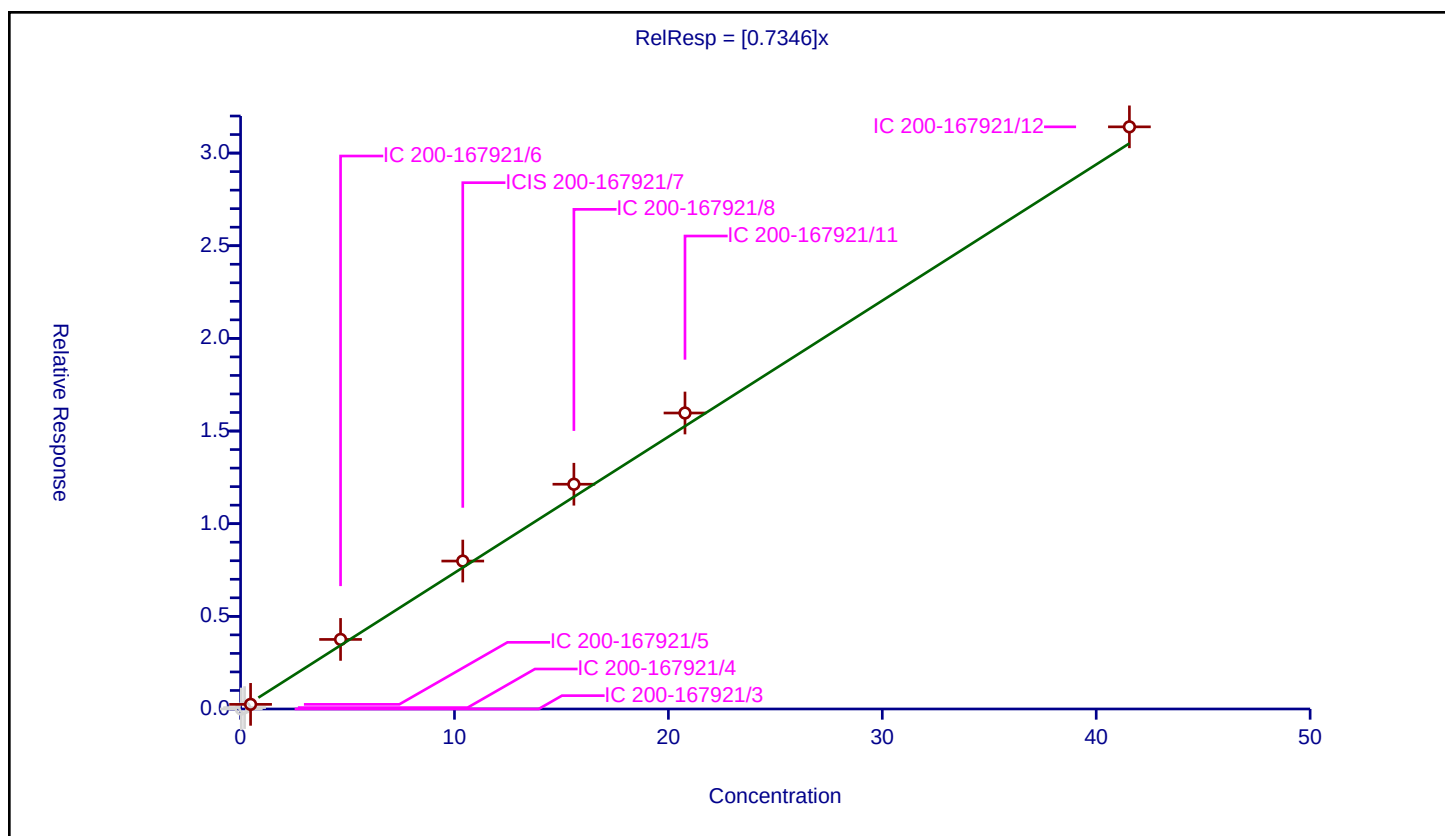
Curve Coefficients

Intercept: 0
 Slope: 0.7346

Error Coefficients

Standard Error: 480000
 Relative Standard Error: 13.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033321	0.0	20.0	515195.0	0.0	N
2	IC 200-167921/4	0.187431	0.075271	20.0	463925.0	0.401592	N
3	IC 200-167921/5	0.468578	0.249636	20.0	492397.0	0.532752	Y
4	IC 200-167921/6	4.674593	3.754125	20.0	487256.0	0.803091	Y
5	ICIS 200-167921/7	10.387984	7.98328	20.0	507894.0	0.768511	Y
6	IC 200-167921/8	15.581976	12.129139	20.0	521267.0	0.778408	Y
7	IC 200-167921/11	20.775968	15.972387	20.0	545971.0	0.768791	Y
8	IC 200-167921/12	41.551937	31.41515	20.0	573692.0	0.756045	Y



Calibration

/ 2-Methylbutane

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

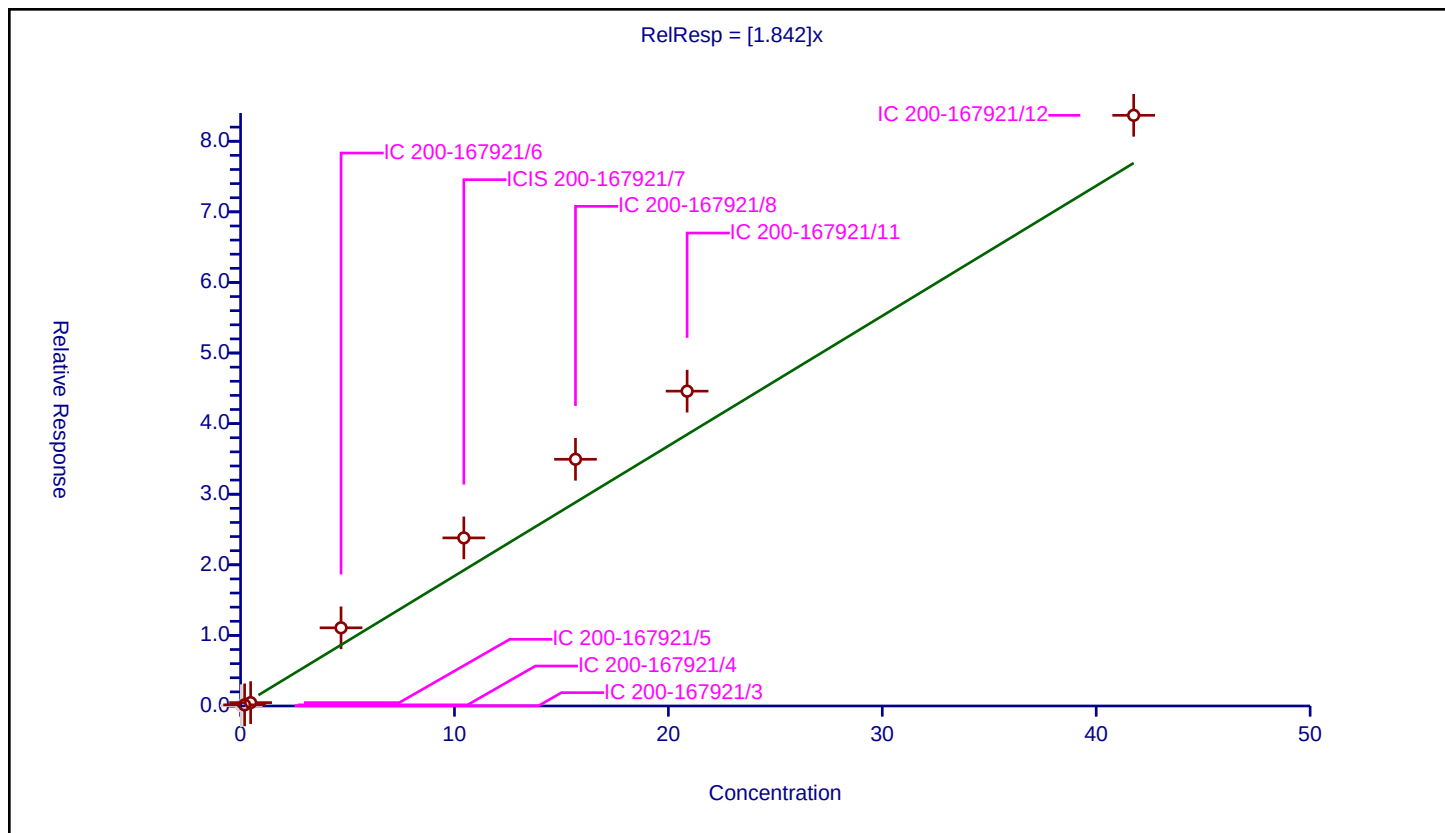
Curve Coefficients

Intercept: 0
Slope: 1.842

Error Coefficients

Standard Error: 1190000
Relative Standard Error: 34.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.903

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033481	0.040373	20.0	515195.0	1.205834	N
2	IC 200-167921/4	0.188333	0.163906	20.0	463925.0	0.870297	Y
3	IC 200-167921/5	0.470833	0.477013	20.0	492397.0	1.013127	Y
4	IC 200-167921/6	4.697089	11.073563	20.0	487256.0	2.357538	Y
5	ICIS 200-167921/7	10.437975	23.810441	20.0	507894.0	2.281136	Y
6	IC 200-167921/8	15.656962	34.948769	20.0	521267.0	2.232155	Y
7	IC 200-167921/11	20.875949	44.600061	20.0	545971.0	2.136433	Y
8	IC 200-167921/12	41.751898	83.674724	20.0	573692.0	2.004094	Y



Calibration

/ Vinyl bromide

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

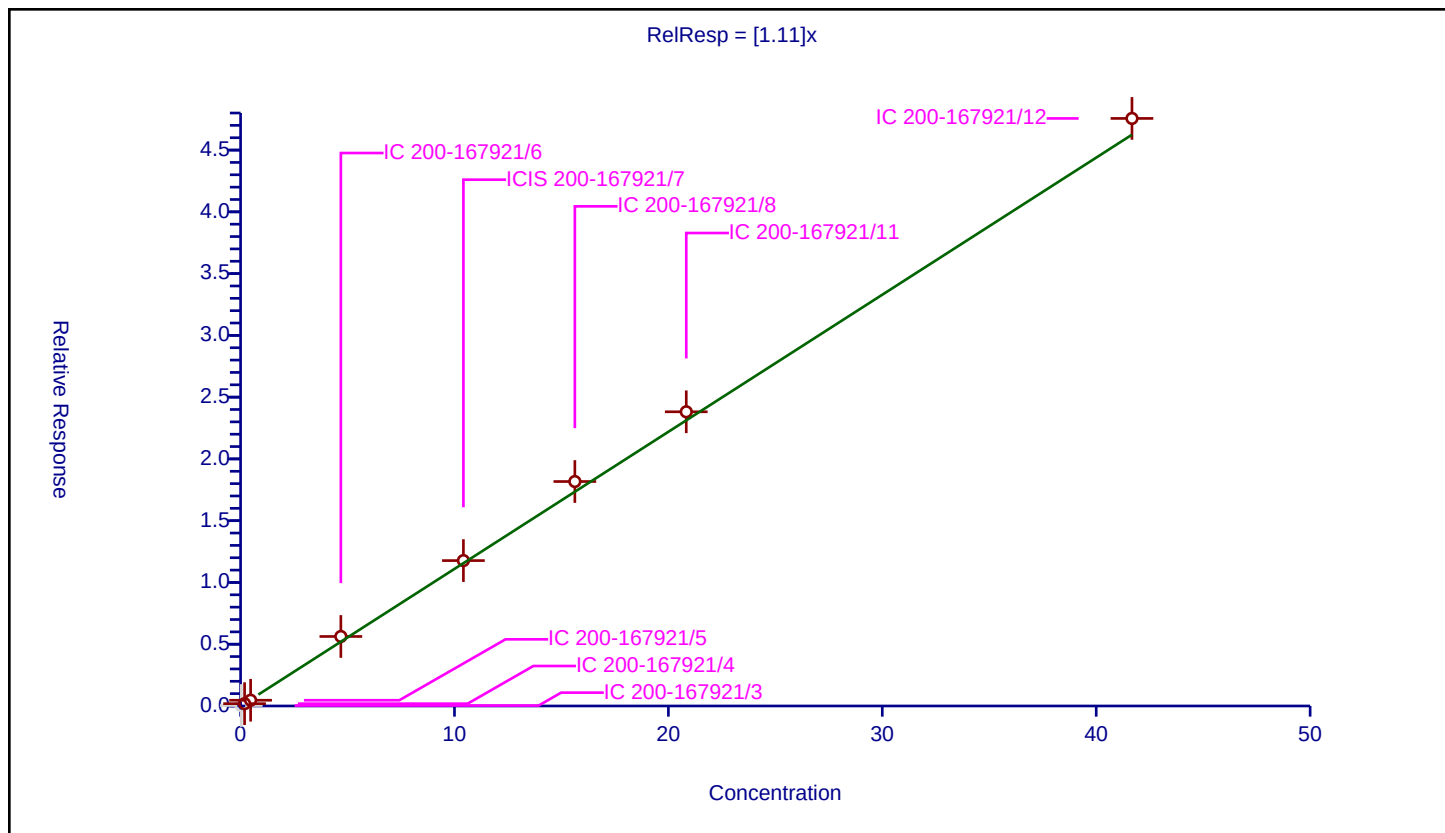
Curve Coefficients

Intercept: 0
 Slope: 1.11

Error Coefficients

Standard Error: 660000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033417	0.037073	20.0	515195.0	1.109406	N
2	IC 200-167921/4	0.187972	0.188177	20.0	463925.0	1.001089	Y
3	IC 200-167921/5	0.469931	0.465113	20.0	492397.0	0.989747	Y
4	IC 200-167921/6	4.68809	5.626775	20.0	487256.0	1.200228	Y
5	ICIS 200-167921/7	10.417978	11.770606	20.0	507894.0	1.129836	Y
6	IC 200-167921/8	15.626968	18.170841	20.0	521267.0	1.162787	Y
7	IC 200-167921/11	20.835957	23.814269	20.0	545971.0	1.142941	Y
8	IC 200-167921/12	41.671914	47.562211	20.0	573692.0	1.141349	Y



Calibration

/ Trichlorofluoromethane

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

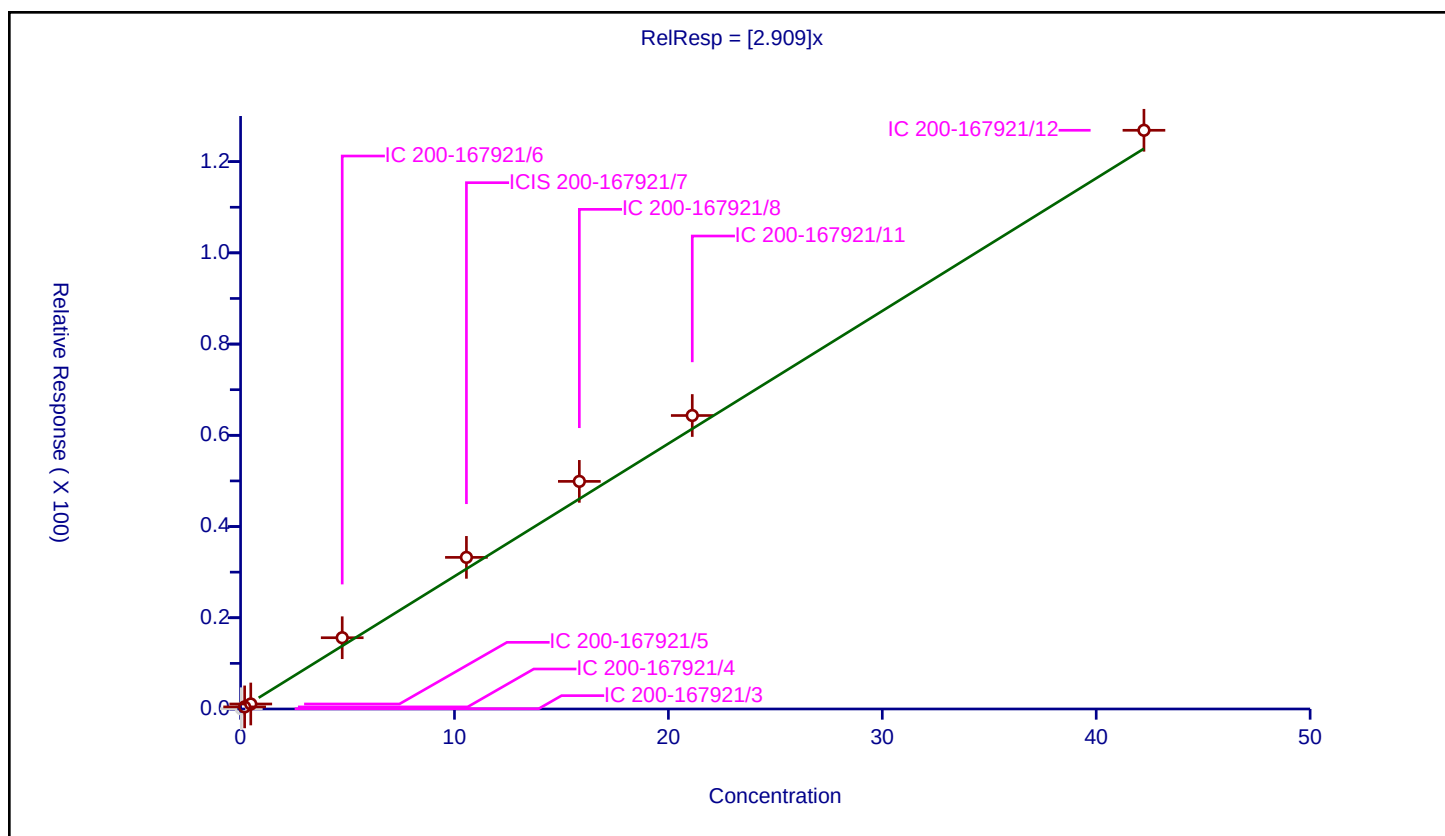
Curve Coefficients

Intercept: 0
Slope: 2.909

Error Coefficients

Standard Error: 1770000
Relative Standard Error: 13.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033866	0.055241	20.0	515195.0	1.631157	N
2	IC 200-167921/4	0.190498	0.461583	20.0	463925.0	2.423036	Y
3	IC 200-167921/5	0.476245	1.095579	20.0	492397.0	2.300455	Y
4	IC 200-167921/6	4.751078	15.621562	20.0	487256.0	3.288004	Y
5	ICIS 200-167921/7	10.557951	33.238314	20.0	507894.0	3.148178	Y
6	IC 200-167921/8	15.836927	49.901567	20.0	521267.0	3.150963	Y
7	IC 200-167921/11	21.115902	64.339608	20.0	545971.0	3.046974	Y
8	IC 200-167921/12	42.231805	126.87069	20.0	573692.0	3.00415	Y



Calibration

/ Pentane

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

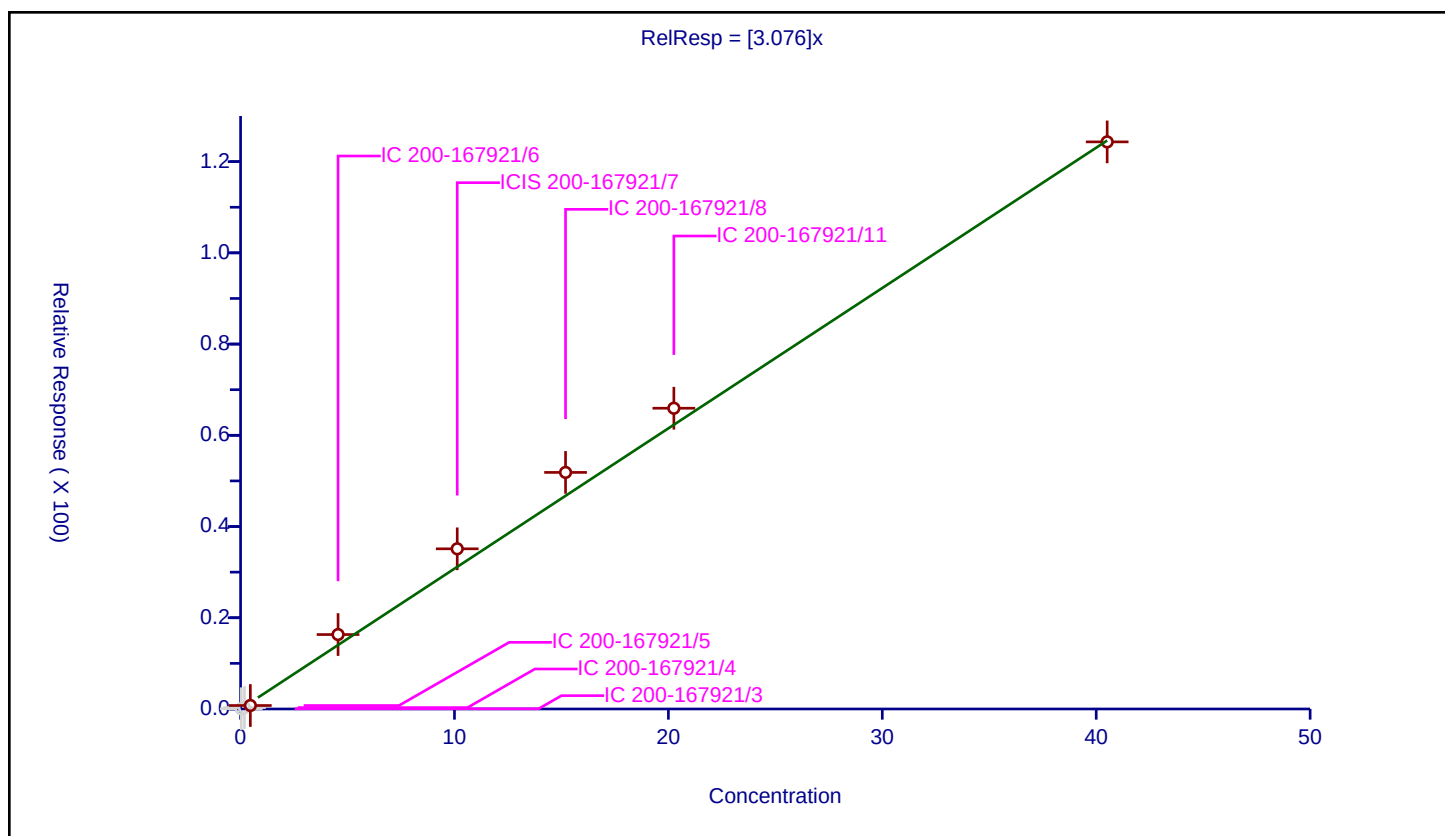
Curve Coefficients

Intercept: 0
Slope: 3.076

Error Coefficients

Standard Error: 1940000
Relative Standard Error: 23.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032487	0.054814	20.0	515195.0	1.687252	N
2	IC 200-167921/4	0.182741	0.304015	20.0	463925.0	1.663638	N
3	IC 200-167921/5	0.456852	0.763652	20.0	492397.0	1.671552	Y
4	IC 200-167921/6	4.557616	16.320661	20.0	487256.0	3.580965	Y
5	ICIS 200-167921/7	10.128035	35.117603	20.0	507894.0	3.467366	Y
6	IC 200-167921/8	15.192052	51.864937	20.0	521267.0	3.413952	Y
7	IC 200-167921/11	20.256069	65.937971	20.0	545971.0	3.25522	Y
8	IC 200-167921/12	40.512139	124.328664	20.0	573692.0	3.068924	Y



Calibration

/ Ethanol

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

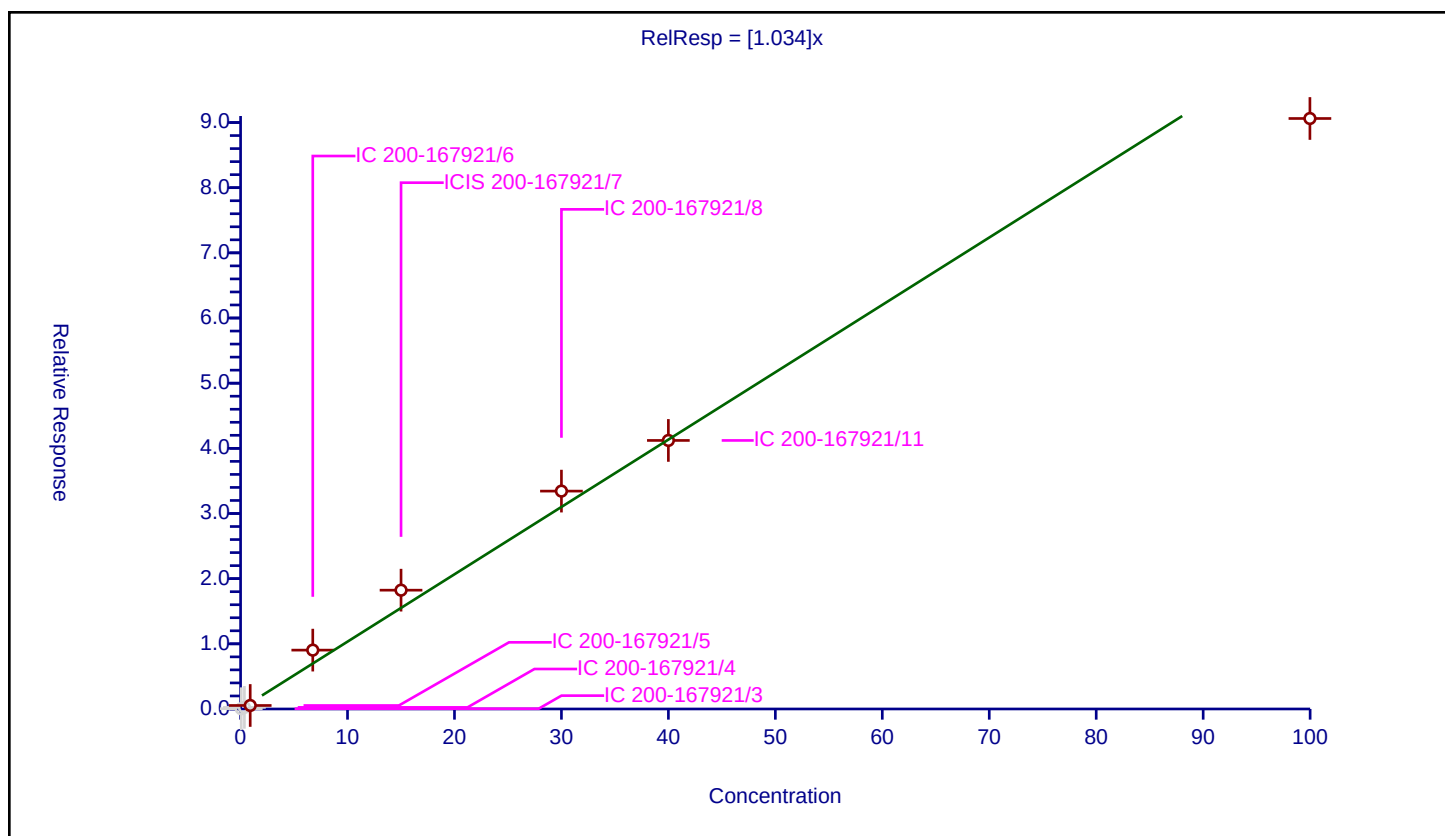
Curve Coefficients

Intercept: 0
 Slope: 1.034

Error Coefficients

Standard Error: 1340000
 Relative Standard Error: 25.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.943

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.064151	0.041576	20.0	515195.0	0.648103	N
2	IC 200-167921/4	0.36085	0.246505	20.0	463925.0	0.683125	N
3	IC 200-167921/5	0.902124	0.53859	20.0	492397.0	0.597024	Y
4	IC 200-167921/6	6.751601	9.03328	20.0	487256.0	1.337946	Y
5	ICIS 200-167921/7	15.003557	18.23534	20.0	507894.0	1.215401	Y
6	IC 200-167921/8	29.99903	33.434804	20.0	521267.0	1.11453	Y
7	IC 200-167921/11	39.998707	41.21065	20.0	545971.0	1.0303	Y
8	IC 200-167921/12	99.980599	90.620019	20.0	573692.0	0.906376	Y



Calibration

/ Ethyl ether

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

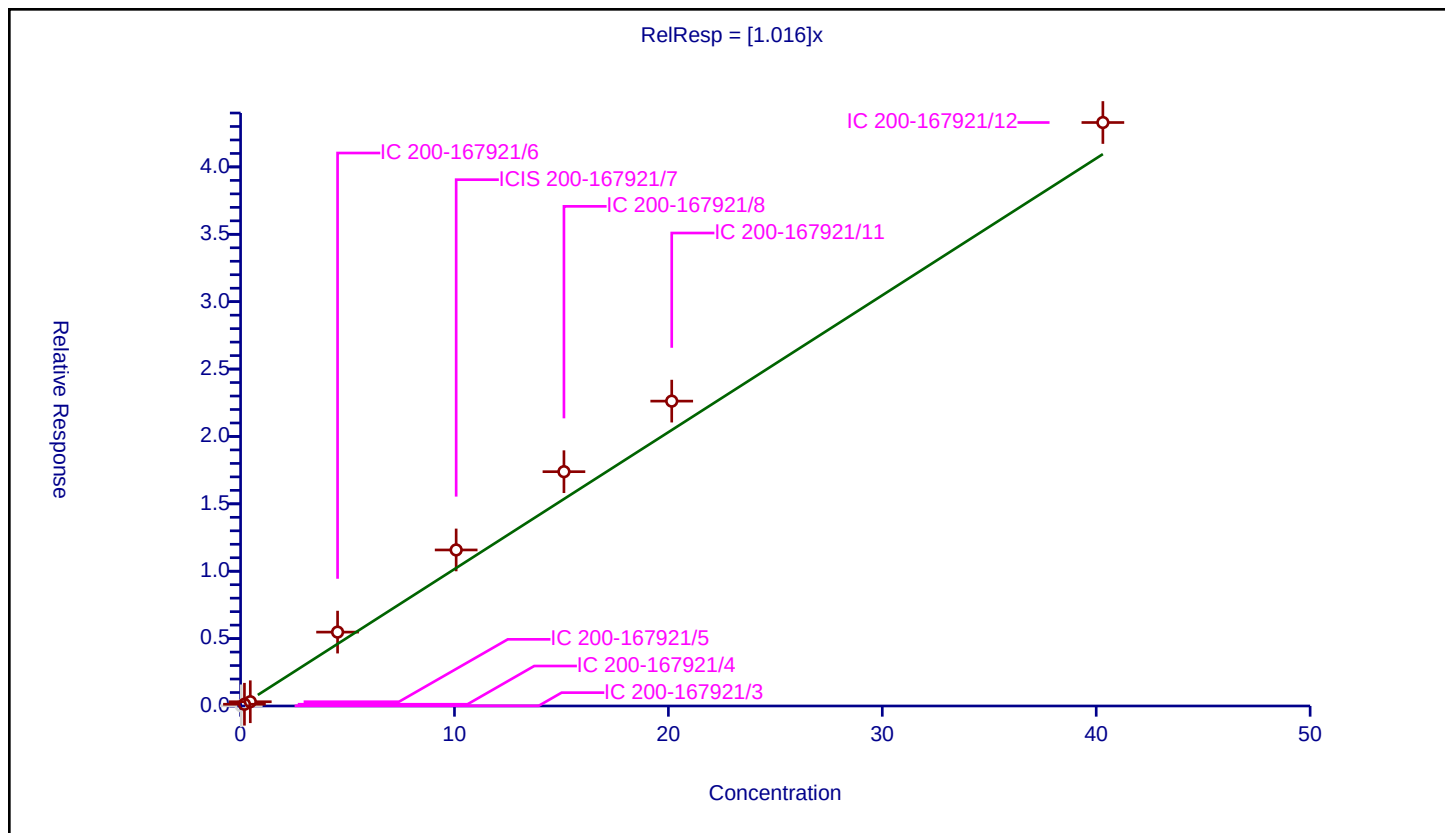
Curve Coefficients

Intercept: 0
 Slope: 1.016

Error Coefficients

Standard Error: 610000
 Relative Standard Error: 21.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032327	0.012694	20.0	515195.0	0.392683	N
2	IC 200-167921/4	0.181839	0.129504	20.0	463925.0	0.712189	Y
3	IC 200-167921/5	0.454597	0.315802	20.0	492397.0	0.694686	Y
4	IC 200-167921/6	4.53512	5.48258	20.0	487256.0	1.208916	Y
5	ICIS 200-167921/7	10.078044	11.577573	20.0	507894.0	1.148792	Y
6	IC 200-167921/8	15.117067	17.385256	20.0	521267.0	1.150042	Y
7	IC 200-167921/11	20.156089	22.621238	20.0	545971.0	1.122303	Y
8	IC 200-167921/12	40.312177	43.296019	20.0	573692.0	1.074018	Y



Calibration

/ Acrolein

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

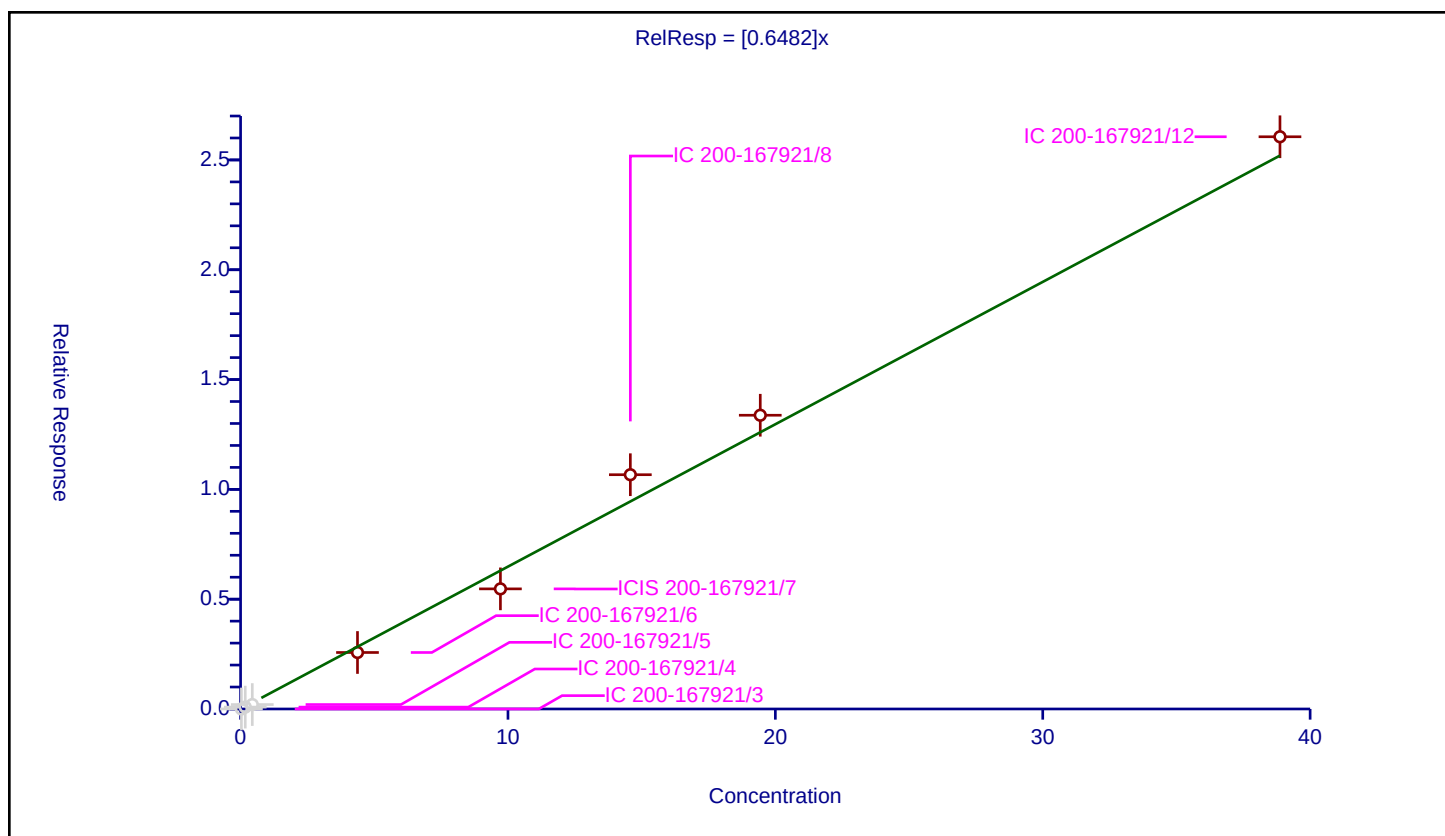
Curve Coefficients

Intercept: 0
Slope: 0.6482

Error Coefficients

Standard Error: 445000
Relative Standard Error: 10.9
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.031172	0.0	20.0	515195.0	0.0	N
2	IC 200-167921/4	0.175345	0.085014	20.0	463925.0	0.484838	N
3	IC 200-167921/5	0.438362	0.202682	20.0	492397.0	0.462363	N
4	IC 200-167921/6	4.373151	2.572077	20.0	487256.0	0.588152	Y
5	ICIS 200-167921/7	9.718114	5.468936	20.0	507894.0	0.562757	Y
6	IC 200-167921/8	14.577171	10.667508	20.0	521267.0	0.731795	Y
7	IC 200-167921/11	19.436228	13.375216	20.0	545971.0	0.688159	Y
8	IC 200-167921/12	38.872457	26.054782	20.0	573692.0	0.670263	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

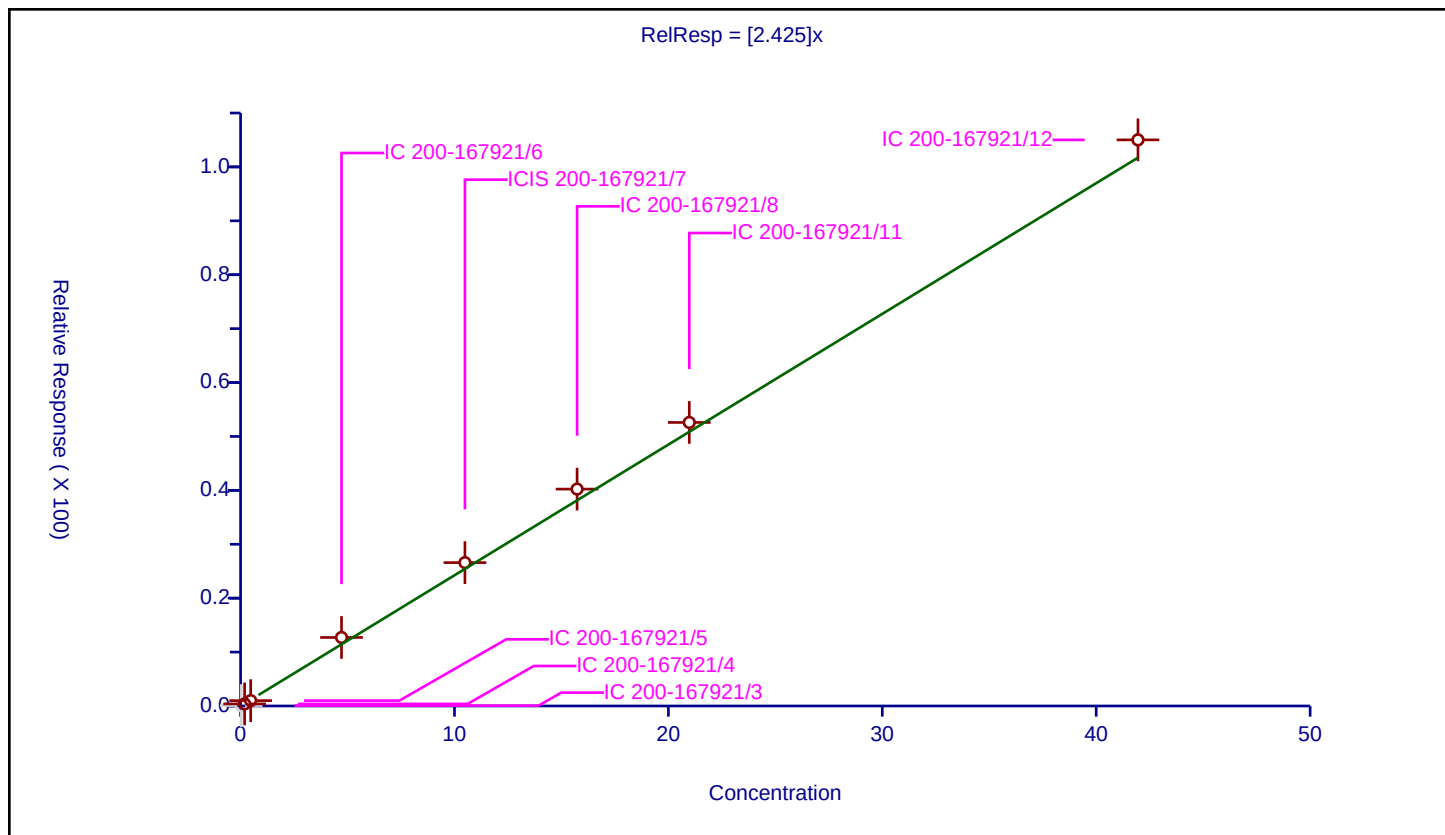
Curve Coefficients

Intercept: 0
 Slope: 2.425

Error Coefficients

Standard Error: 1460000
 Relative Standard Error: 9.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033642	0.076631	20.0	515195.0	2.277857	N
2	IC 200-167921/4	0.189235	0.39058	20.0	463925.0	2.063996	Y
3	IC 200-167921/5	0.473088	0.998422	20.0	492397.0	2.110437	Y
4	IC 200-167921/6	4.719584	12.710854	20.0	487256.0	2.693215	Y
5	ICIS 200-167921/7	10.487965	26.598975	20.0	507894.0	2.536143	Y
6	IC 200-167921/8	15.731947	40.235081	20.0	521267.0	2.55754	Y
7	IC 200-167921/11	20.97593	52.598618	20.0	545971.0	2.50757	Y
8	IC 200-167921/12	41.951859	105.019523	20.0	573692.0	2.503334	Y



Calibration

/ 1,1-Dichloroethene

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

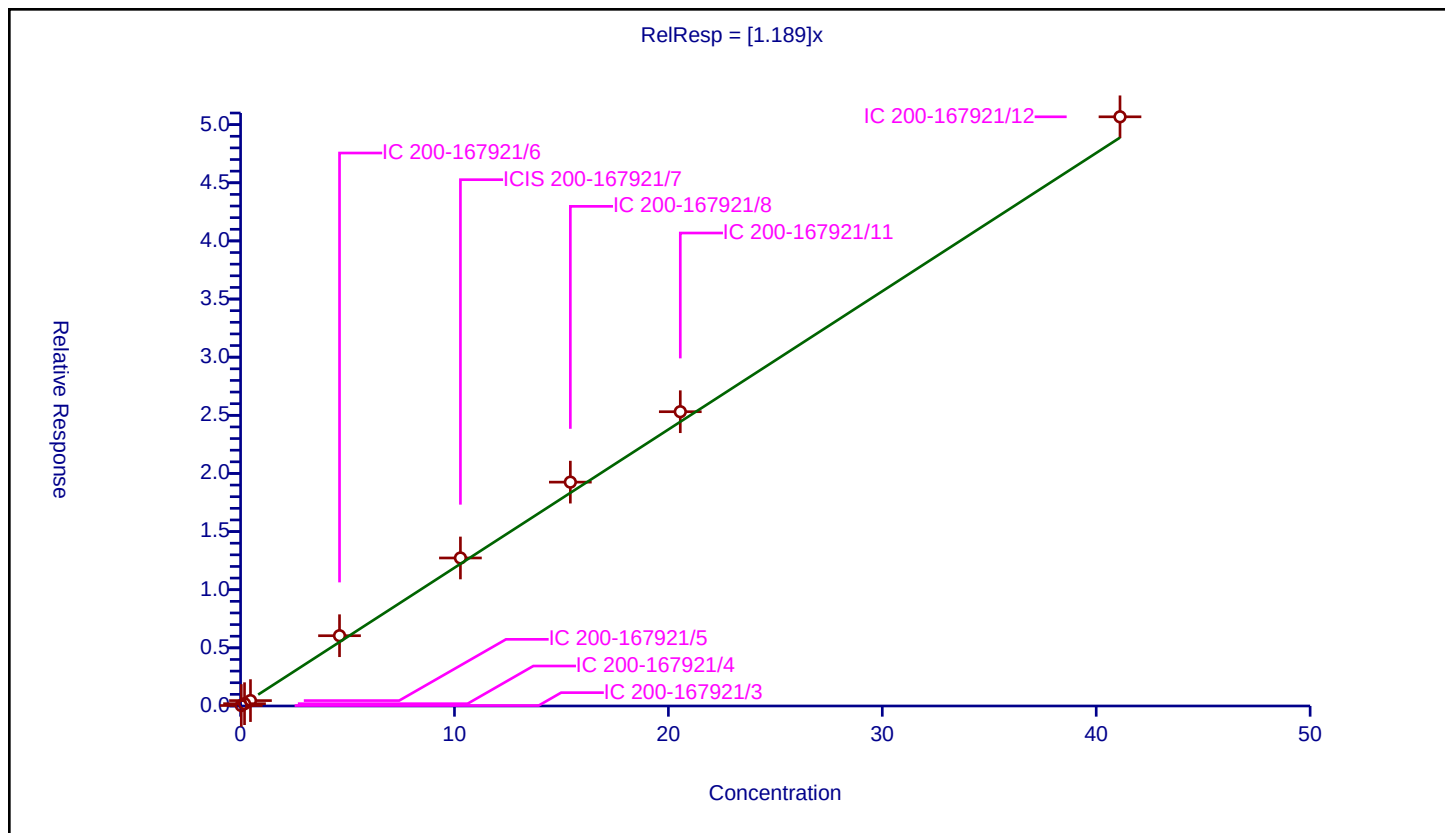
Curve Coefficients

Intercept: 0
 Slope: 1.189

Error Coefficients

Standard Error: 651000
 Relative Standard Error: 8.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032968	0.03917	20.0	515195.0	1.188099	Y
2	IC 200-167921/4	0.185447	0.197661	20.0	463925.0	1.065865	Y
3	IC 200-167921/5	0.463617	0.463853	20.0	492397.0	1.00051	Y
4	IC 200-167921/6	4.625103	6.043846	20.0	487256.0	1.306748	Y
5	ICIS 200-167921/7	10.278006	12.730294	20.0	507894.0	1.238596	Y
6	IC 200-167921/8	15.417008	19.254048	20.0	521267.0	1.248884	Y
7	IC 200-167921/11	20.556011	25.310648	20.0	545971.0	1.231302	Y
8	IC 200-167921/12	41.112022	50.674125	20.0	573692.0	1.232587	Y



Calibration

/ Acetone

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

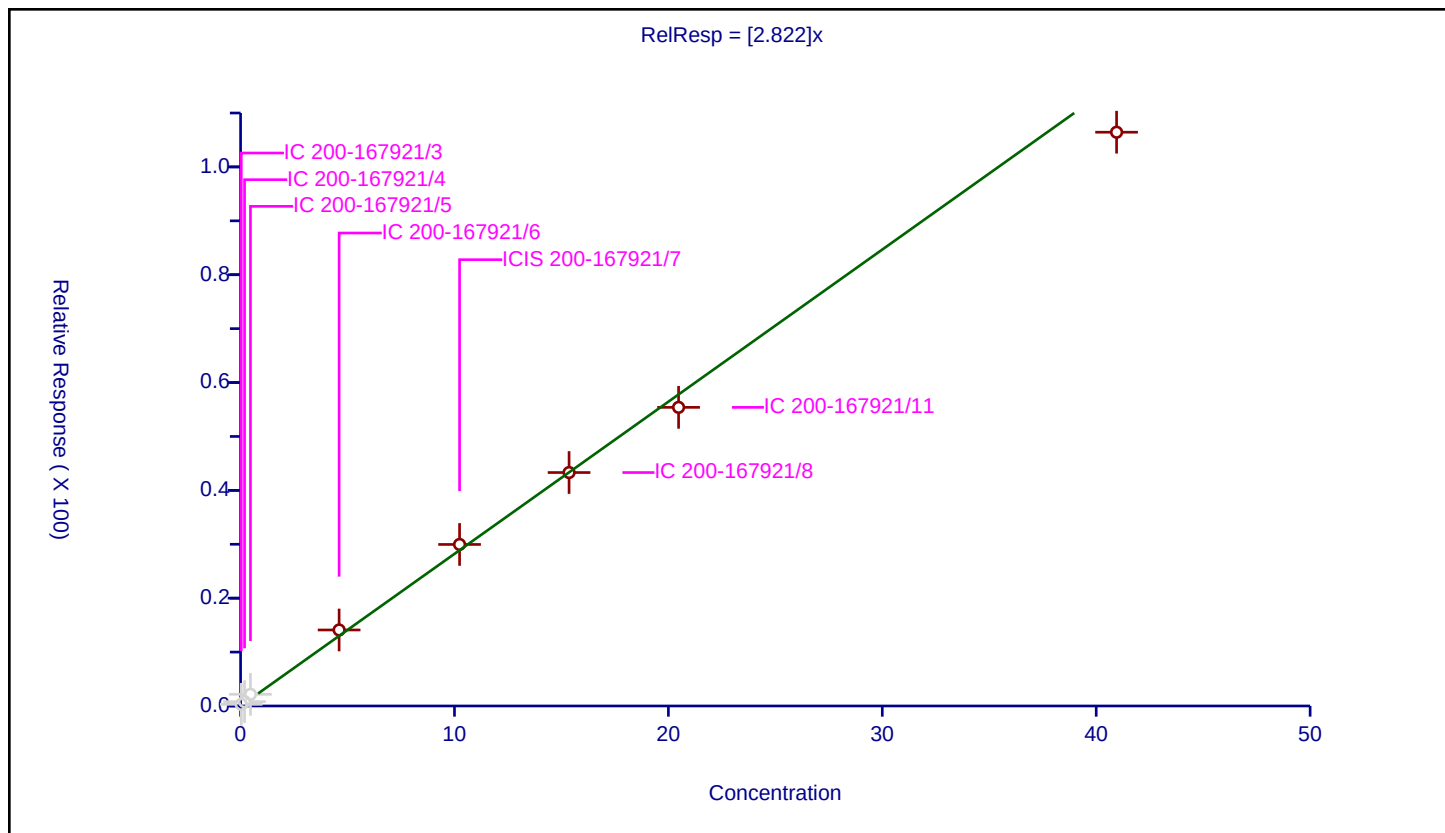
Curve Coefficients

Intercept: 0
 Slope: 2.822

Error Coefficients

Standard Error: 1840000
 Relative Standard Error: 6.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03284	0.302604	20.0	515195.0	9.214481	N
2	IC 200-167921/4	0.184725	0.810734	20.0	463925.0	4.388868	N
3	IC 200-167921/5	0.461813	2.161914	20.0	492397.0	4.681363	N
4	IC 200-167921/6	4.607106	14.09998	20.0	487256.0	3.060485	Y
5	ICIS 200-167921/7	10.238013	29.965741	20.0	507894.0	2.92691	Y
6	IC 200-167921/8	15.35702	43.308285	20.0	521267.0	2.820097	Y
7	IC 200-167921/11	20.476027	55.39895	20.0	545971.0	2.705552	Y
8	IC 200-167921/12	40.952053	106.439623	20.0	573692.0	2.599128	Y



Calibration

/ Carbon disulfide

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

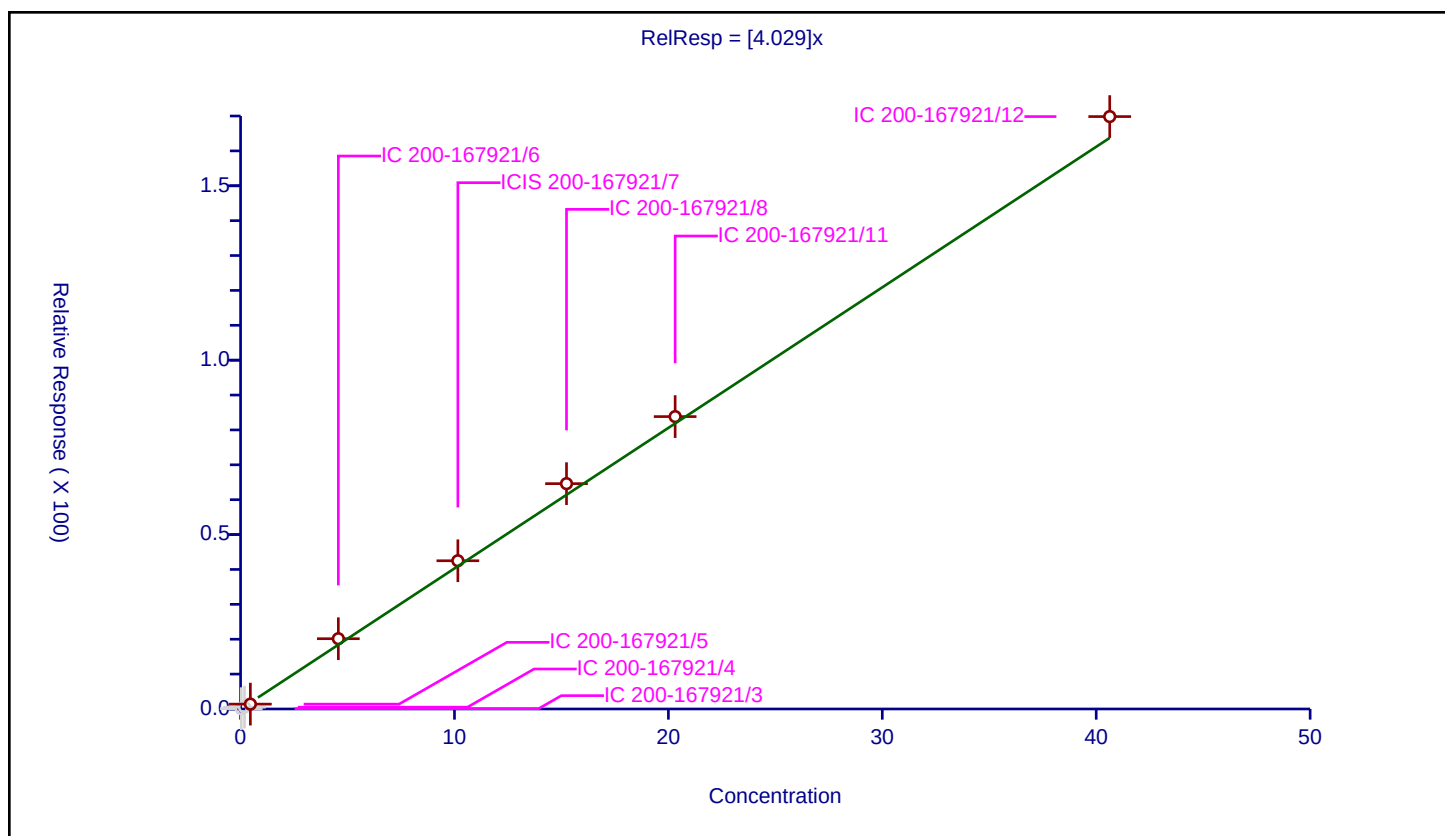
Curve Coefficients

Intercept: 0
 Slope: 4.029

Error Coefficients

Standard Error: 2580000
 Relative Standard Error: 12.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032583	0.094721	20.0	515195.0	2.907039	N
2	IC 200-167921/4	0.183282	0.5253	20.0	463925.0	2.866077	N
3	IC 200-167921/5	0.458205	1.392454	20.0	492397.0	3.038931	Y
4	IC 200-167921/6	4.571113	20.151009	20.0	487256.0	4.408338	Y
5	ICIS 200-167921/7	10.158029	42.497687	20.0	507894.0	4.183655	Y
6	IC 200-167921/8	15.237043	64.605663	20.0	521267.0	4.240039	Y
7	IC 200-167921/11	20.316058	83.824489	20.0	545971.0	4.126021	Y
8	IC 200-167921/12	40.632115	169.841587	20.0	573692.0	4.179984	Y



Calibration

/ Isopropyl alcohol

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

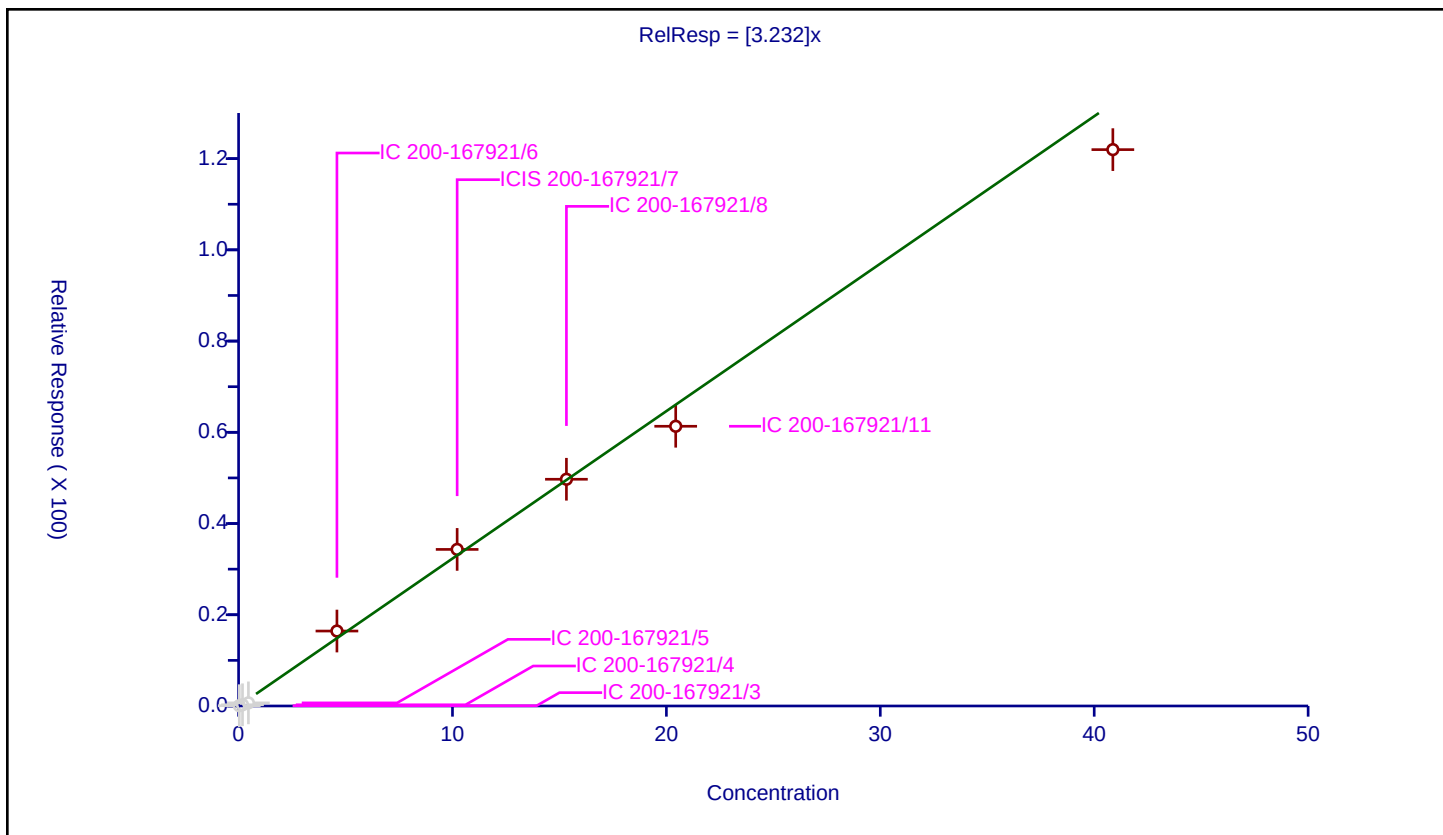
Curve Coefficients

Intercept: 0
 Slope: 3.232

Error Coefficients

Standard Error: 2100000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032776	0.061336	20.0	515195.0	1.871375	N
2	IC 200-167921/4	0.184364	0.267931	20.0	463925.0	1.45327	N
3	IC 200-167921/5	0.460911	0.681848	20.0	492397.0	1.479349	N
4	IC 200-167921/6	4.598108	16.433087	20.0	487256.0	3.57388	Y
5	ICIS 200-167921/7	10.218017	34.325745	20.0	507894.0	3.359335	Y
6	IC 200-167921/8	15.327026	49.710494	20.0	521267.0	3.243323	Y
7	IC 200-167921/11	20.436034	61.326004	20.0	545971.0	3.000876	Y
8	IC 200-167921/12	40.872069	121.970291	20.0	573692.0	2.984197	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

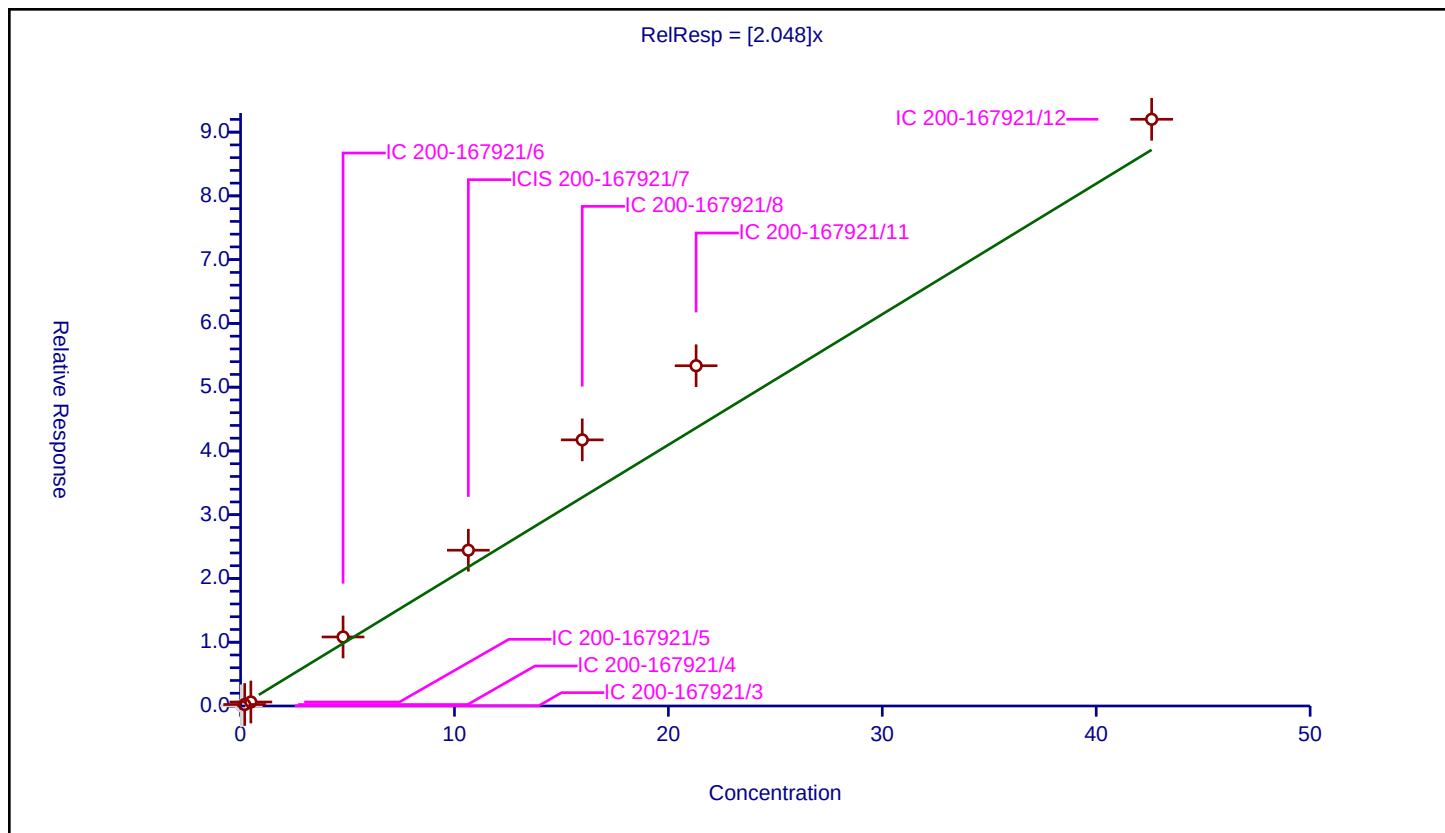
Curve Coefficients

Intercept: 0
 Slope: 2.048

Error Coefficients

Standard Error: 1340000
 Relative Standard Error: 27.6
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.932

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.034155	0.032143	20.0	515195.0	0.941099	N
2	IC 200-167921/4	0.192121	0.230727	20.0	463925.0	1.200943	Y
3	IC 200-167921/5	0.480304	0.625187	20.0	492397.0	1.301649	Y
4	IC 200-167921/6	4.79157	10.826054	20.0	487256.0	2.259396	Y
5	ICIS 200-167921/7	10.647934	24.429861	20.0	507894.0	2.294329	Y
6	IC 200-167921/8	15.971901	41.735425	20.0	521267.0	2.613053	Y
7	IC 200-167921/11	21.295868	53.363897	20.0	545971.0	2.505833	Y
8	IC 200-167921/12	42.591735	92.017319	20.0	573692.0	2.16045	Y



Calibration

/ Acetonitrile

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

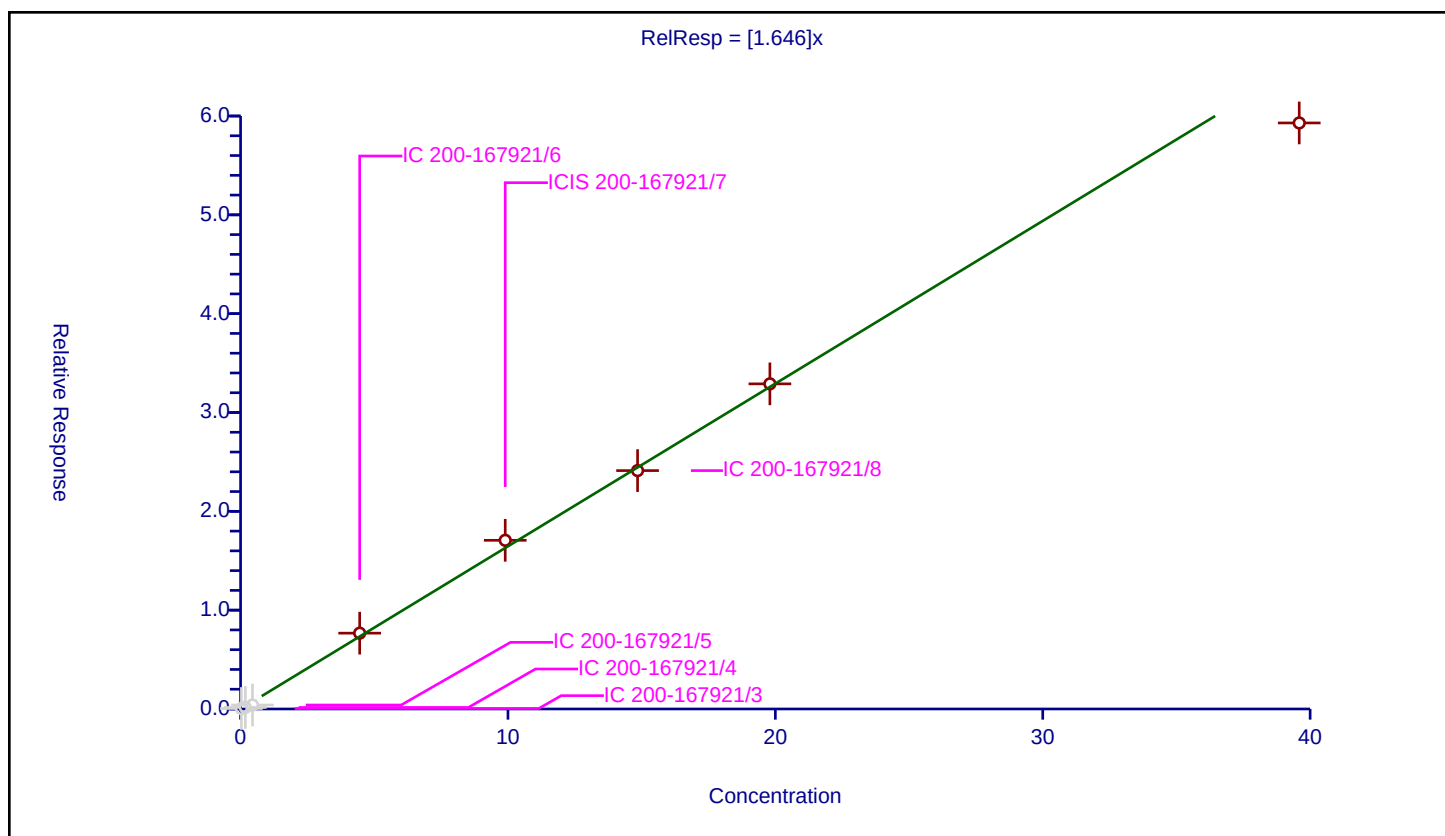
Curve Coefficients

Intercept: 0
Slope: 1.646

Error Coefficients

Standard Error: 1040000
Relative Standard Error: 5.7
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03175	0.049069	20.0	515195.0	1.545491	N
2	IC 200-167921/4	0.178592	0.155499	20.0	463925.0	0.870697	N
3	IC 200-167921/5	0.446479	0.403455	20.0	492397.0	0.903636	N
4	IC 200-167921/6	4.454136	7.671614	20.0	487256.0	1.722358	Y
5	ICIS 200-167921/7	9.898079	17.066868	20.0	507894.0	1.724261	Y
6	IC 200-167921/8	14.847119	24.121458	20.0	521267.0	1.624656	Y
7	IC 200-167921/11	19.796159	32.899293	20.0	545971.0	1.661903	Y
8	IC 200-167921/12	39.592317	59.297637	20.0	573692.0	1.497706	Y



Calibration

/ Methylene Chloride

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

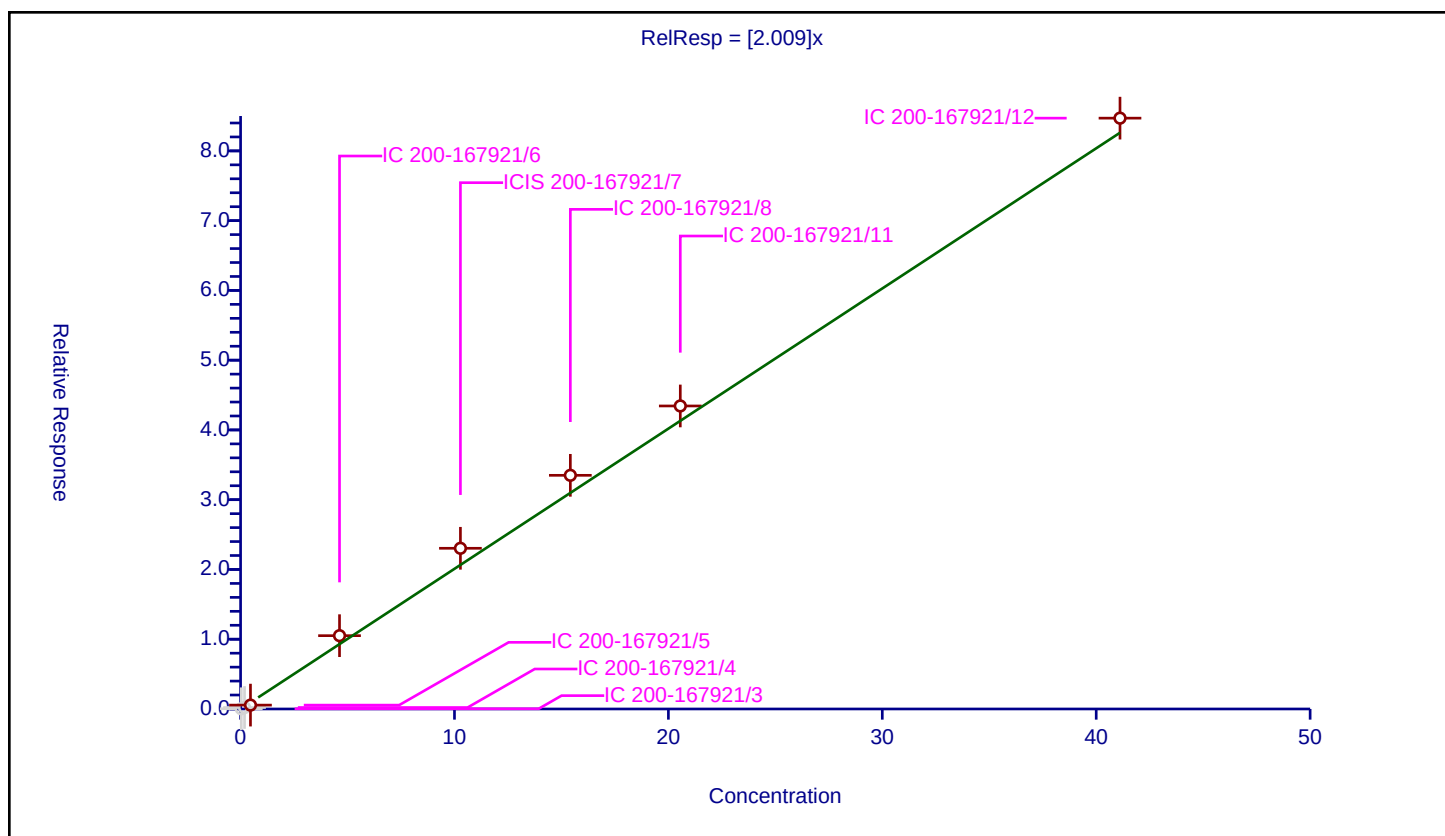
Curve Coefficients

Intercept: 0
 Slope: 2.009

Error Coefficients

Standard Error: 1300000
 Relative Standard Error: 20.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032968	0.033541	20.0	515195.0	1.017362	N
2	IC 200-167921/4	0.185447	0.213828	20.0	463925.0	1.153041	N
3	IC 200-167921/5	0.463617	0.554593	20.0	492397.0	1.196231	Y
4	IC 200-167921/6	4.625103	10.509547	20.0	487256.0	2.272284	Y
5	ICIS 200-167921/7	10.278006	23.034767	20.0	507894.0	2.241171	Y
6	IC 200-167921/8	15.417008	33.494888	20.0	521267.0	2.172593	Y
7	IC 200-167921/11	20.556011	43.439194	20.0	545971.0	2.113211	Y
8	IC 200-167921/12	41.112022	84.696039	20.0	573692.0	2.060128	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

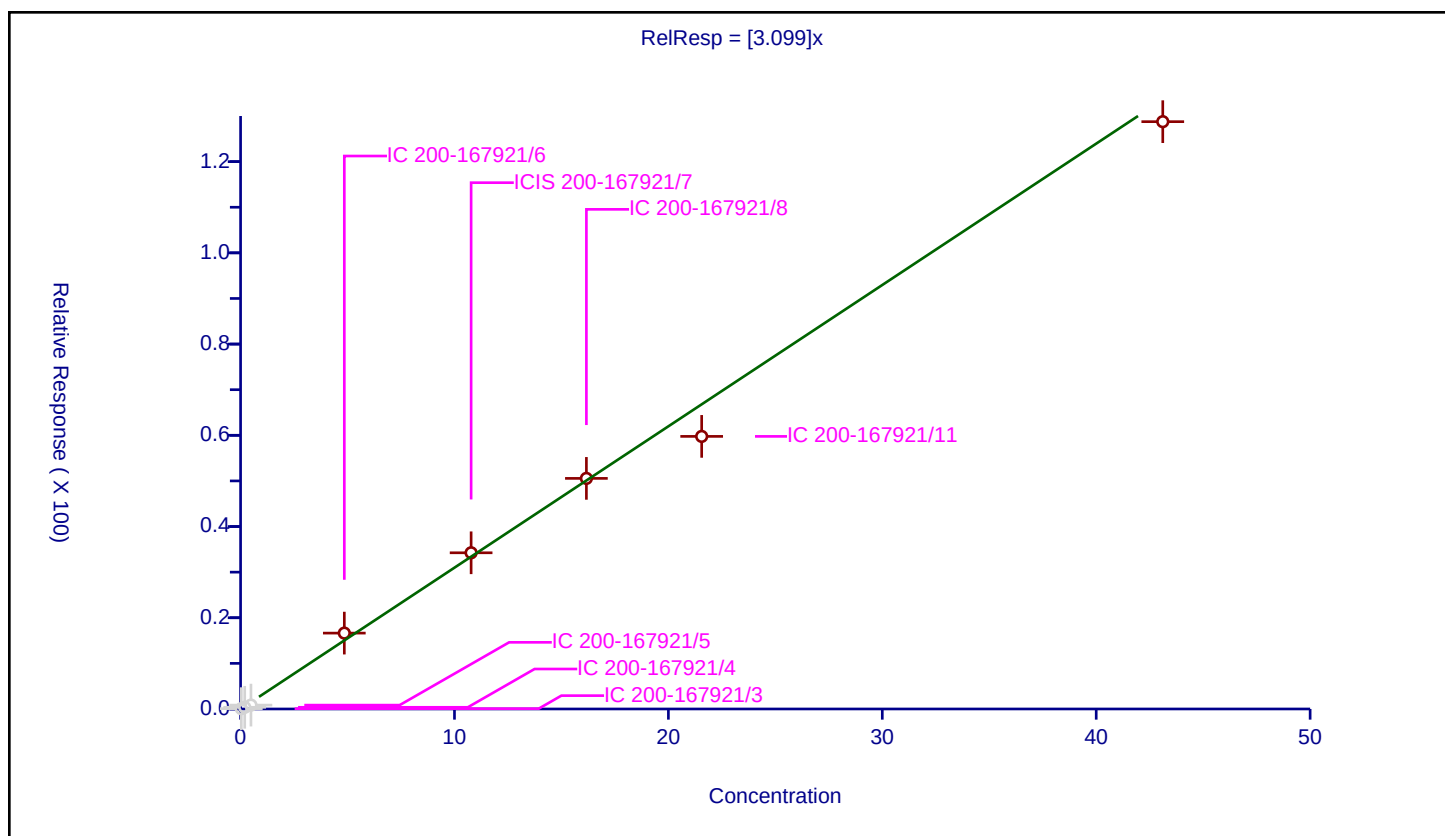
Curve Coefficients

Intercept: 0
Slope: 3.099

Error Coefficients

Standard Error: 2180000
Relative Standard Error: 7.8
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.034572	0.073215	20.0	515195.0	2.117764	N
2	IC 200-167921/4	0.194467	0.370922	20.0	463925.0	1.907382	N
3	IC 200-167921/5	0.486166	0.850249	20.0	492397.0	1.748884	N
4	IC 200-167921/6	4.850059	16.633146	20.0	487256.0	3.429473	Y
5	ICIS 200-167921/7	10.777909	34.245059	20.0	507894.0	3.177338	Y
6	IC 200-167921/8	16.166863	50.552558	20.0	521267.0	3.126924	Y
7	IC 200-167921/11	21.555817	59.76028	20.0	545971.0	2.77235	Y
8	IC 200-167921/12	43.111634	128.763099	20.0	573692.0	2.986737	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

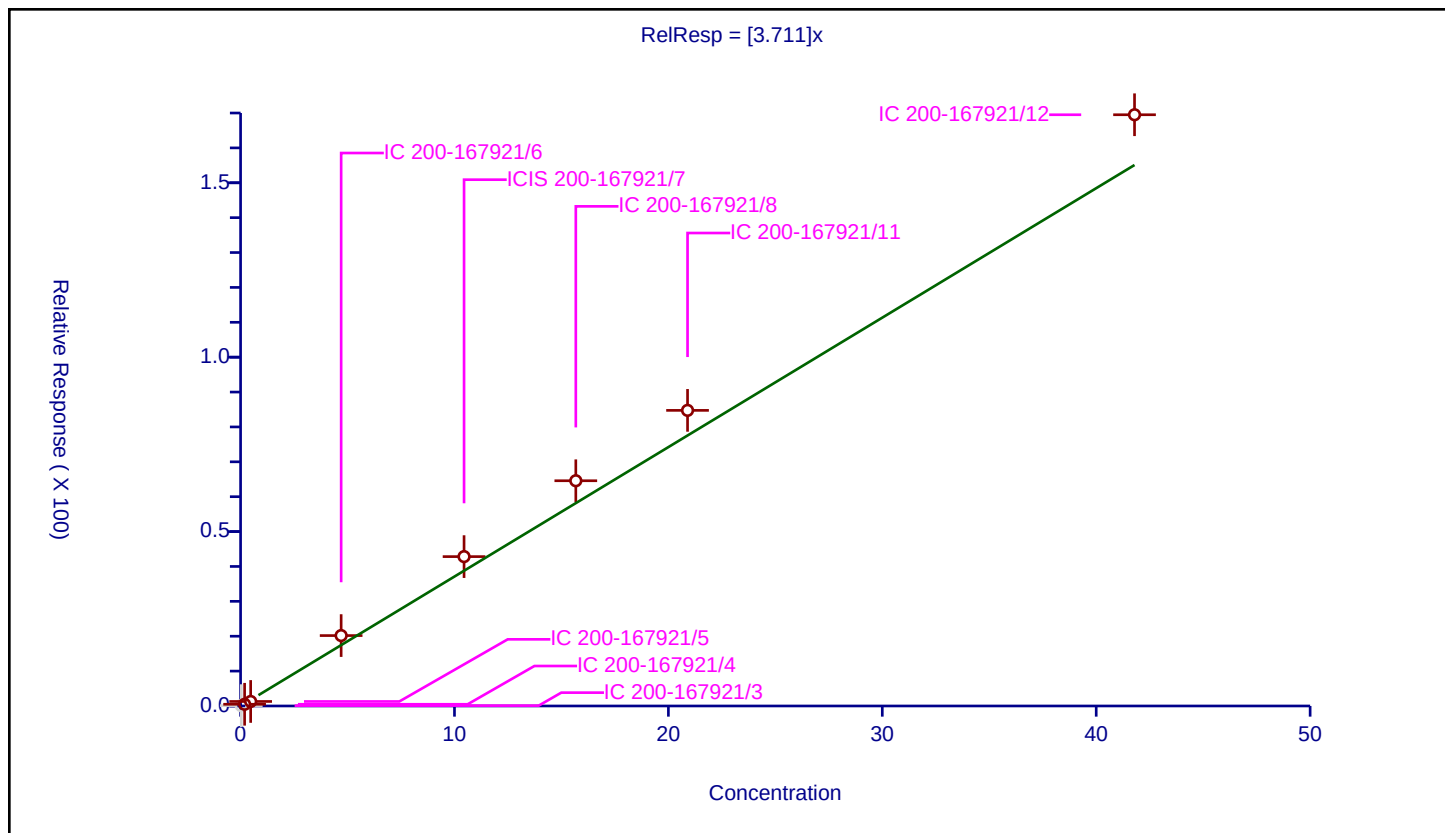
Curve Coefficients

Intercept: 0
Slope: 3.711

Error Coefficients

Standard Error: 2350000
Relative Standard Error: 19.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033514	0.106756	20.0	515195.0	3.185452	N
2	IC 200-167921/4	0.188514	0.49189	20.0	463925.0	2.609308	Y
3	IC 200-167921/5	0.471284	1.292656	20.0	492397.0	2.74284	Y
4	IC 200-167921/6	4.701588	20.190003	20.0	487256.0	4.294295	Y
5	ICIS 200-167921/7	10.447973	42.825353	20.0	507894.0	4.098915	Y
6	IC 200-167921/8	15.671959	64.576848	20.0	521267.0	4.120535	Y
7	IC 200-167921/11	20.895945	84.752047	20.0	545971.0	4.055909	Y
8	IC 200-167921/12	41.79189	169.505798	20.0	573692.0	4.05595	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

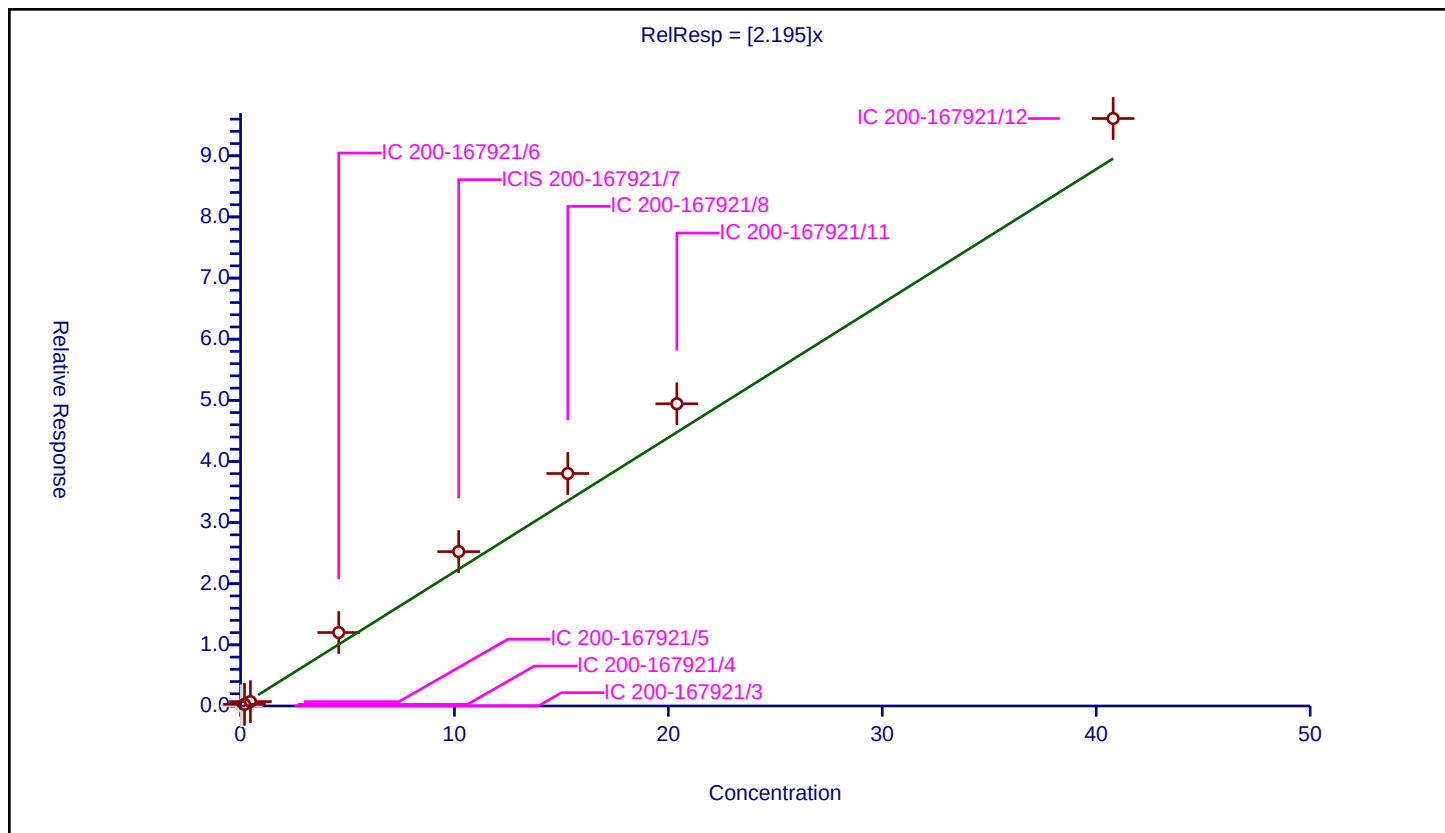
Curve Coefficients

Intercept: 0
 Slope: 2.195

Error Coefficients

Standard Error: 1350000
 Relative Standard Error: 21.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032712	0.035948	20.0	515195.0	1.098919	N
2	IC 200-167921/4	0.184004	0.266465	20.0	463925.0	1.448154	Y
3	IC 200-167921/5	0.460009	0.716292	20.0	492397.0	1.557126	Y
4	IC 200-167921/6	4.589109	12.022099	20.0	487256.0	2.619702	Y
5	ICIS 200-167921/7	10.198021	25.252041	20.0	507894.0	2.476171	Y
6	IC 200-167921/8	15.297032	38.029877	20.0	521267.0	2.486095	Y
7	IC 200-167921/11	20.396042	49.440904	20.0	545971.0	2.424044	Y
8	IC 200-167921/12	40.792084	96.102124	20.0	573692.0	2.355901	Y



Calibration

/ Acrylonitrile

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

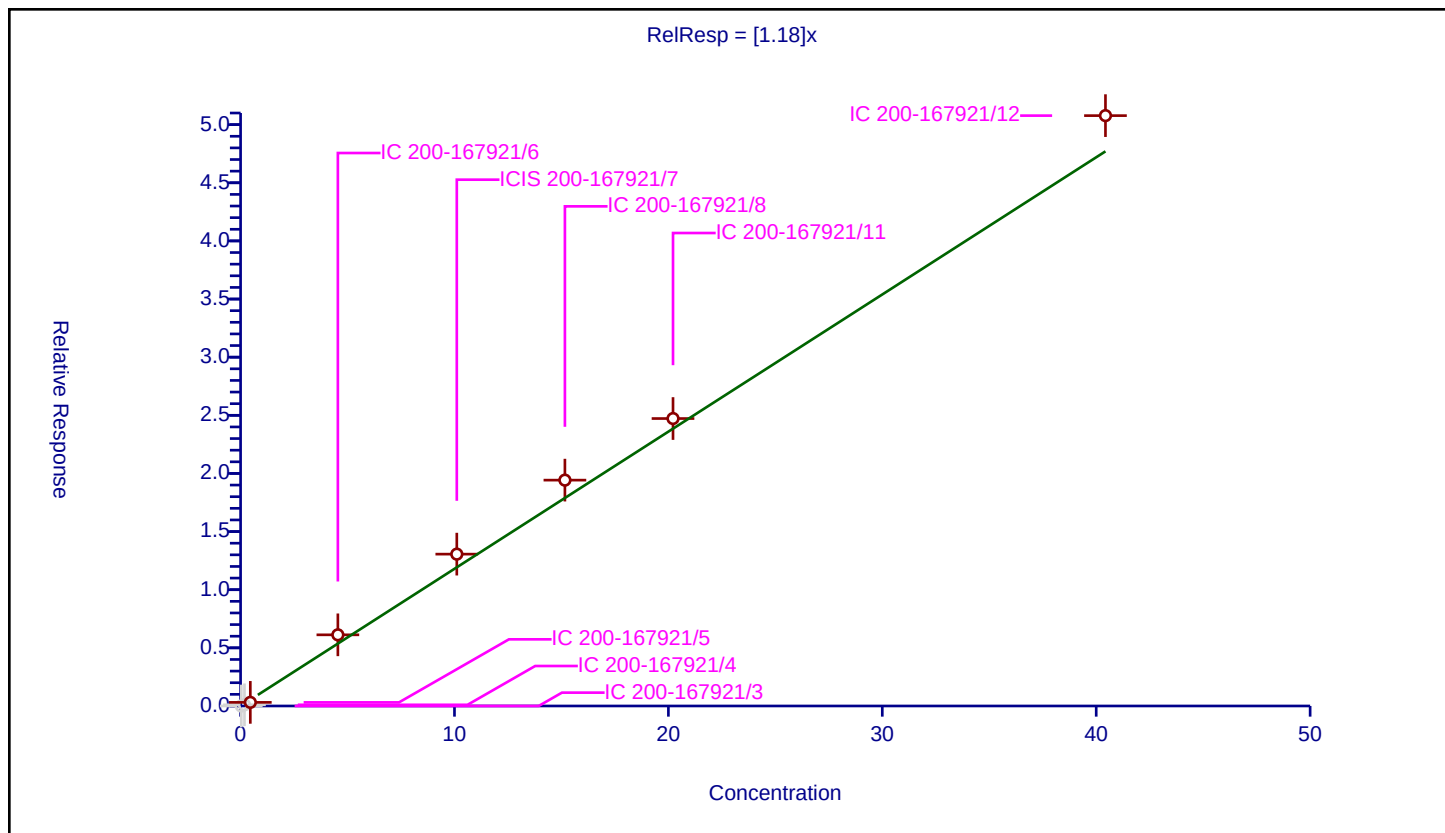
Curve Coefficients

Intercept: 0
 Slope: 1.18

Error Coefficients

Standard Error: 770000
 Relative Standard Error: 21.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032423	0.0	20.0	515195.0	0.0	N
2	IC 200-167921/4	0.18238	0.102301	20.0	463925.0	0.560922	N
3	IC 200-167921/5	0.45595	0.310644	20.0	492397.0	0.681311	Y
4	IC 200-167921/6	4.548617	6.120438	20.0	487256.0	1.34556	Y
5	ICIS 200-167921/7	10.108039	13.059851	20.0	507894.0	1.292026	Y
6	IC 200-167921/8	15.162058	19.424096	20.0	521267.0	1.281099	Y
7	IC 200-167921/11	20.216077	24.722449	20.0	545971.0	1.22291	Y
8	IC 200-167921/12	40.432154	50.77627	20.0	573692.0	1.255839	Y



Calibration

/ Hexane

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

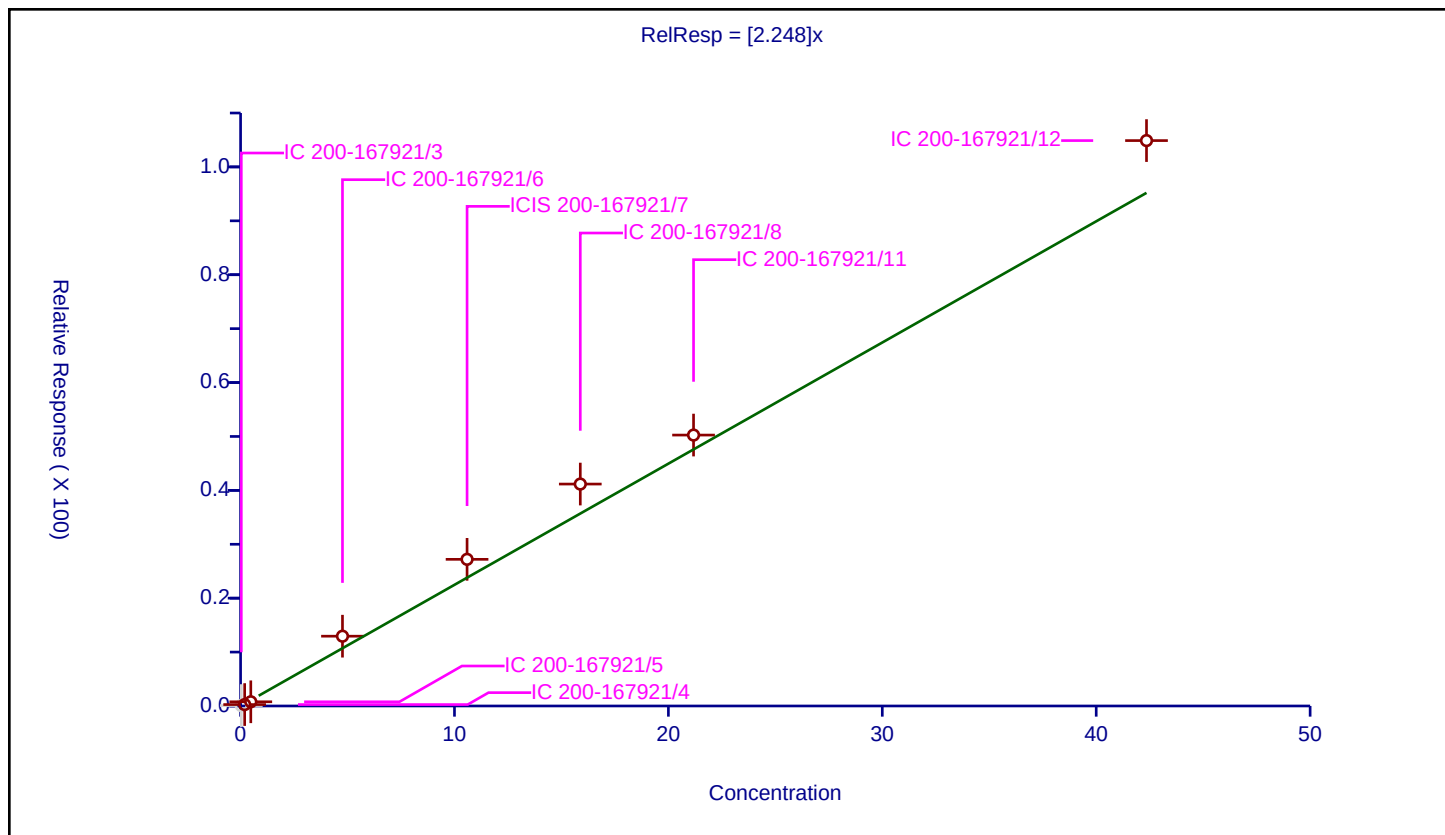
Curve Coefficients

Intercept: 0
Slope: 2.248

Error Coefficients

Standard Error: 1450000
Relative Standard Error: 23.4
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033962	0.077835	20.0	515195.0	2.291781	N
2	IC 200-167921/4	0.191039	0.262801	20.0	463925.0	1.375641	Y
3	IC 200-167921/5	0.477598	0.77795	20.0	492397.0	1.628881	Y
4	IC 200-167921/6	4.764575	12.946829	20.0	487256.0	2.71731	Y
5	ICIS 200-167921/7	10.587945	27.206504	20.0	507894.0	2.569573	Y
6	IC 200-167921/8	15.881918	41.16823	20.0	521267.0	2.592145	Y
7	IC 200-167921/11	21.175891	50.254904	20.0	545971.0	2.373213	Y
8	IC 200-167921/12	42.351782	104.88649	20.0	573692.0	2.476554	Y



Calibration

/ 1,1-Dichloroethane

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

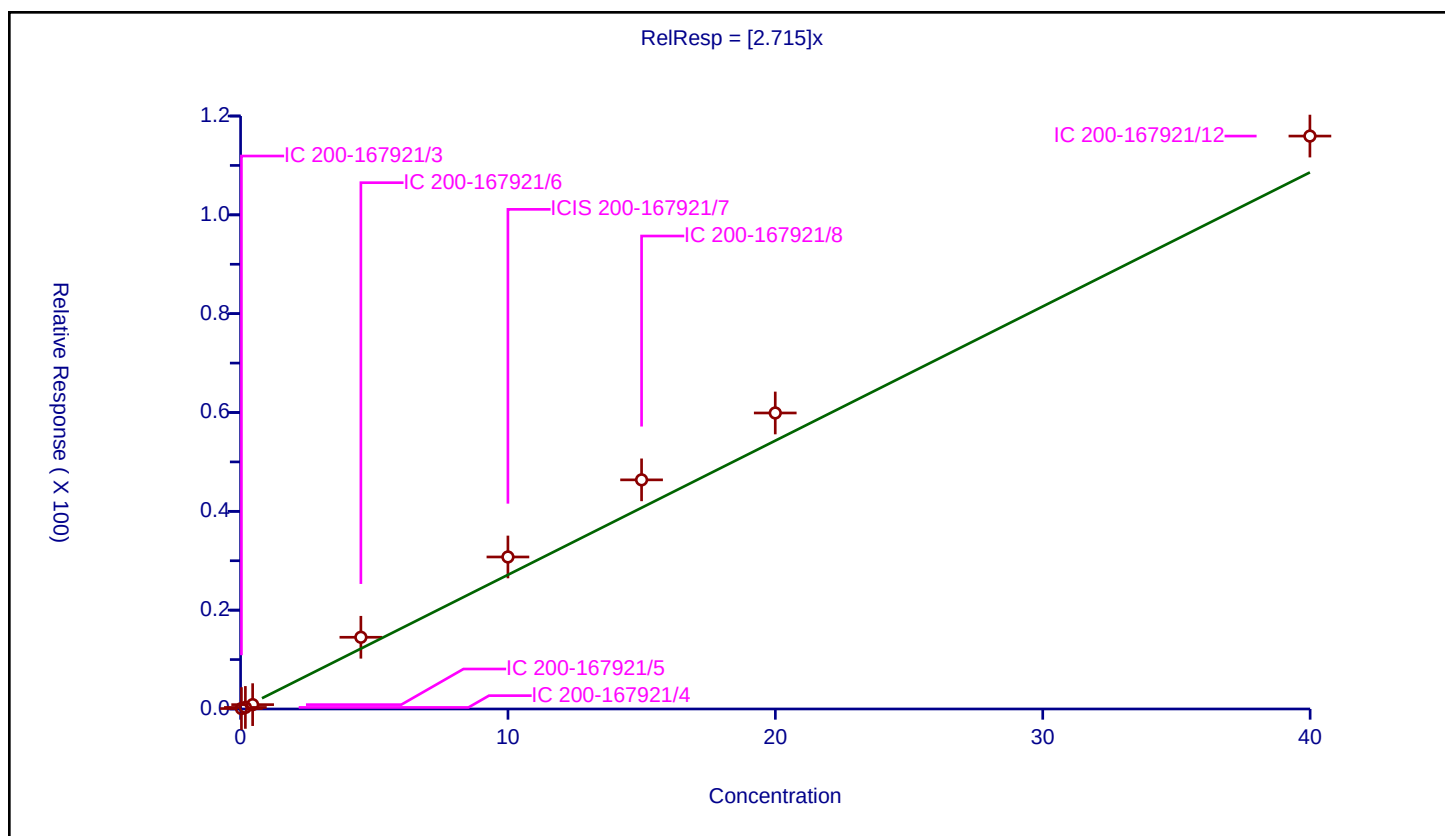
Curve Coefficients

Intercept: 0
 Slope: 2.715

Error Coefficients

Standard Error: 1510000
 Relative Standard Error: 20.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03207	0.087423	20.0	515195.0	2.725983	Y
2	IC 200-167921/4	0.180396	0.316517	20.0	463925.0	1.754569	Y
3	IC 200-167921/5	0.450989	0.88059	20.0	492397.0	1.952575	Y
4	IC 200-167921/6	4.499127	14.51233	20.0	487256.0	3.225588	Y
5	ICIS 200-167921/7	9.99806	30.764175	20.0	507894.0	3.077014	Y
6	IC 200-167921/8	14.99709	46.372051	20.0	521267.0	3.09207	Y
7	IC 200-167921/11	19.99612	59.906479	20.0	545971.0	2.995905	Y
8	IC 200-167921/12	39.99224	115.941062	20.0	573692.0	2.899089	Y



Calibration

/ Vinyl acetate

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

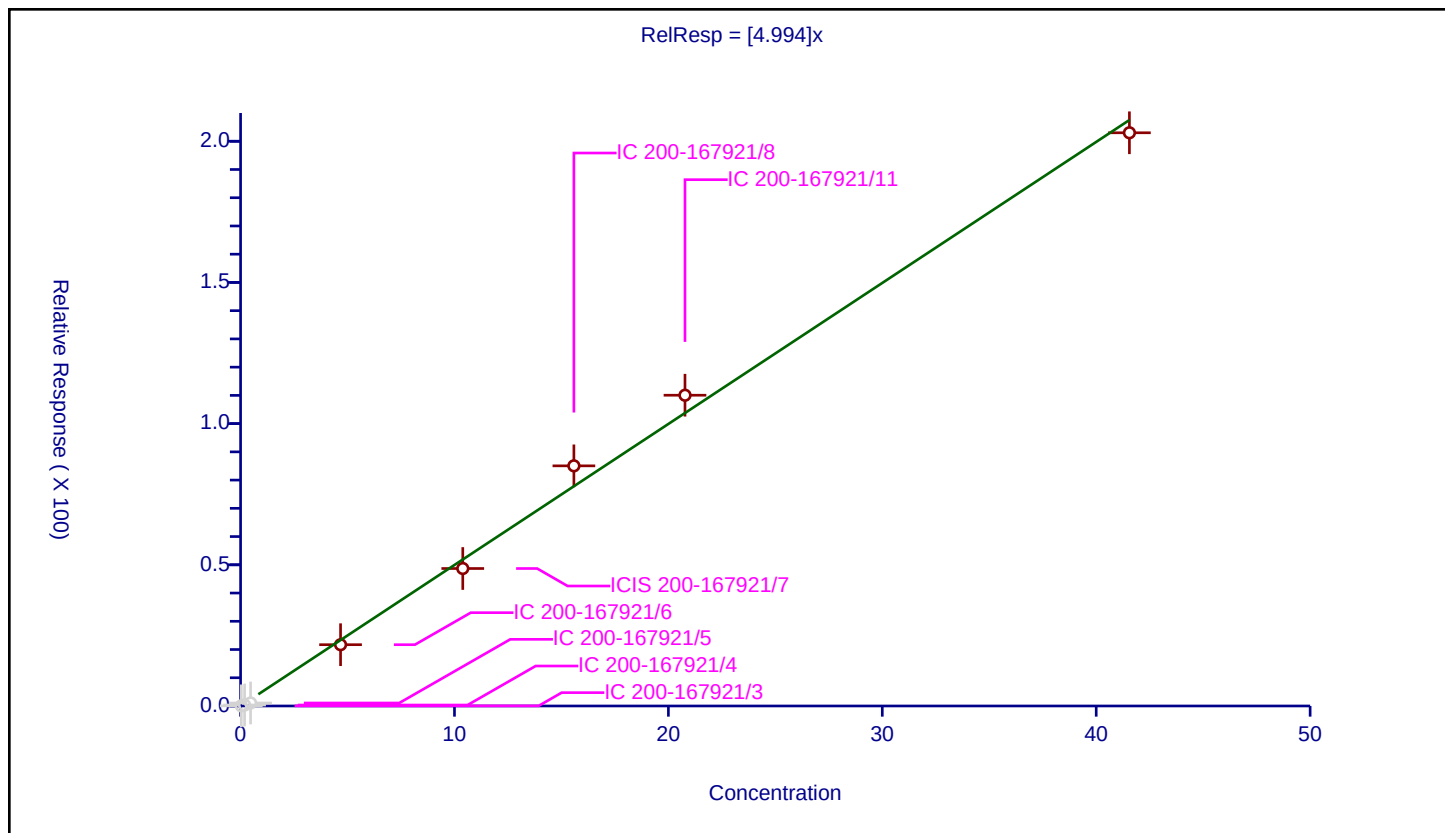
Curve Coefficients

Intercept: 0
 Slope: 4.994

Error Coefficients

Standard Error: 3520000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033321	0.054892	20.0	515195.0	1.64736	N
2	IC 200-167921/4	0.187431	0.348332	20.0	463925.0	1.858454	N
3	IC 200-167921/5	0.468578	1.0654	20.0	492397.0	2.273689	N
4	IC 200-167921/6	4.674593	21.702391	20.0	487256.0	4.642627	Y
5	ICIS 200-167921/7	10.387984	48.685001	20.0	507894.0	4.686665	Y
6	IC 200-167921/8	15.581976	85.044939	20.0	521267.0	5.457904	Y
7	IC 200-167921/11	20.775968	110.058703	20.0	545971.0	5.297404	Y
8	IC 200-167921/12	41.551937	203.006038	20.0	573692.0	4.885597	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

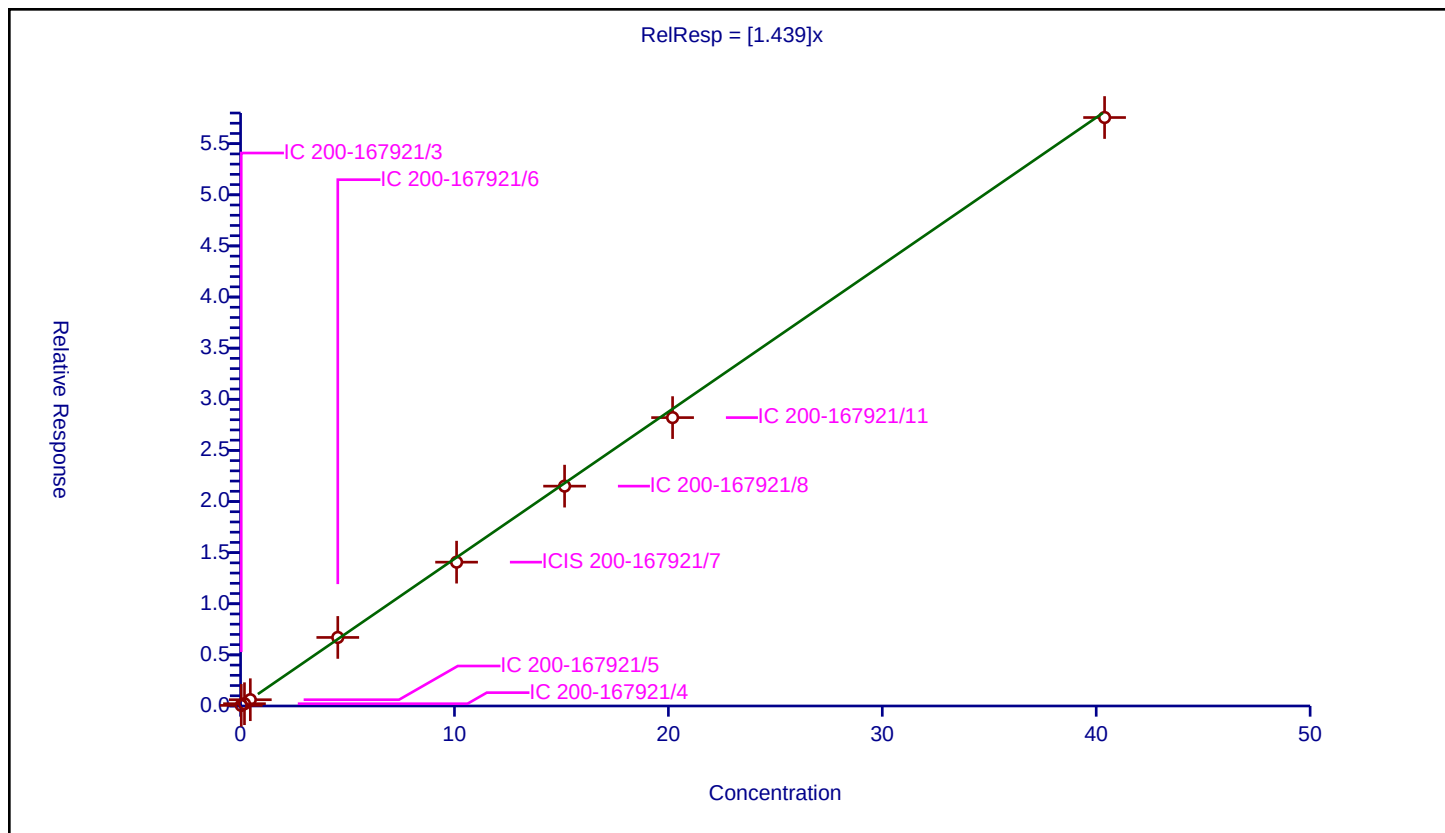
Curve Coefficients

Intercept: 0
 Slope: 1.439

Error Coefficients

Standard Error: 736000
 Relative Standard Error: 12.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032391	0.059201	20.0	515195.0	1.827693	Y
2	IC 200-167921/4	0.1822	0.222838	20.0	463925.0	1.223042	Y
3	IC 200-167921/5	0.455499	0.614748	20.0	492397.0	1.349614	Y
4	IC 200-167921/6	4.544118	6.704279	20.0	487256.0	1.475375	Y
5	ICIS 200-167921/7	10.09804	14.068723	20.0	507894.0	1.393213	Y
6	IC 200-167921/8	15.147061	21.504718	20.0	521267.0	1.419729	Y
7	IC 200-167921/11	20.196081	28.206663	20.0	545971.0	1.39664	Y
8	IC 200-167921/12	40.392162	57.559422	20.0	573692.0	1.425015	Y



Calibration

/ 2-Butanone (MEK)

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

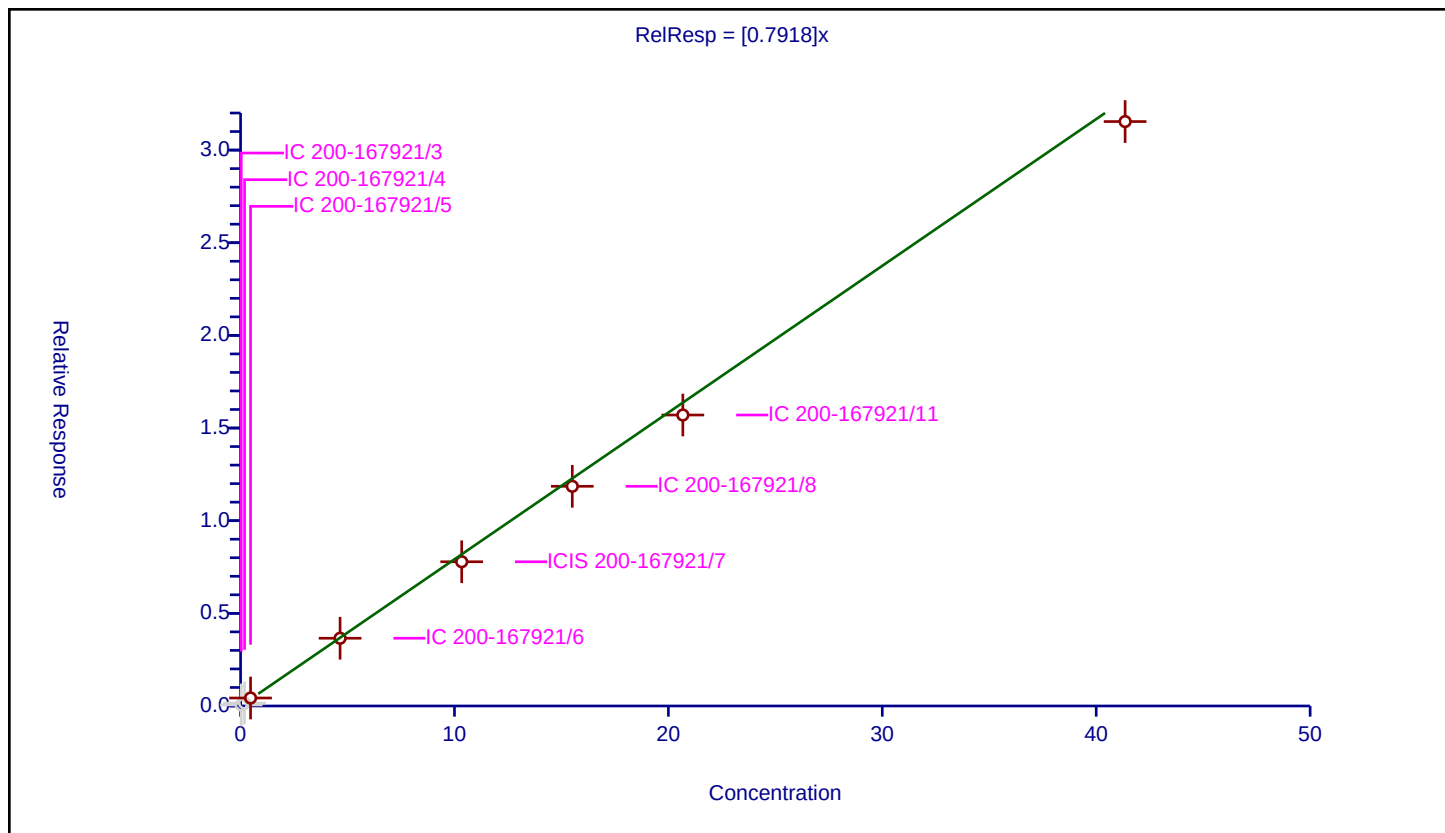
Curve Coefficients

Intercept: 0
 Slope: 0.7918

Error Coefficients

Standard Error: 478000
 Relative Standard Error: 8.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033161	0.054892	20.0	515195.0	1.655326	N
2	IC 200-167921/4	0.186529	0.157784	20.0	463925.0	0.845895	N
3	IC 200-167921/5	0.466323	0.431562	20.0	492397.0	0.925458	Y
4	IC 200-167921/6	4.652097	3.655861	20.0	487256.0	0.785852	Y
5	ICIS 200-167921/7	10.337994	7.783199	20.0	507894.0	0.752873	Y
6	IC 200-167921/8	15.506991	11.85546	20.0	521267.0	0.764524	Y
7	IC 200-167921/11	20.675988	15.702153	20.0	545971.0	0.759439	Y
8	IC 200-167921/12	41.351976	31.540164	20.0	573692.0	0.762724	Y



Calibration

/ Ethyl acetate

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

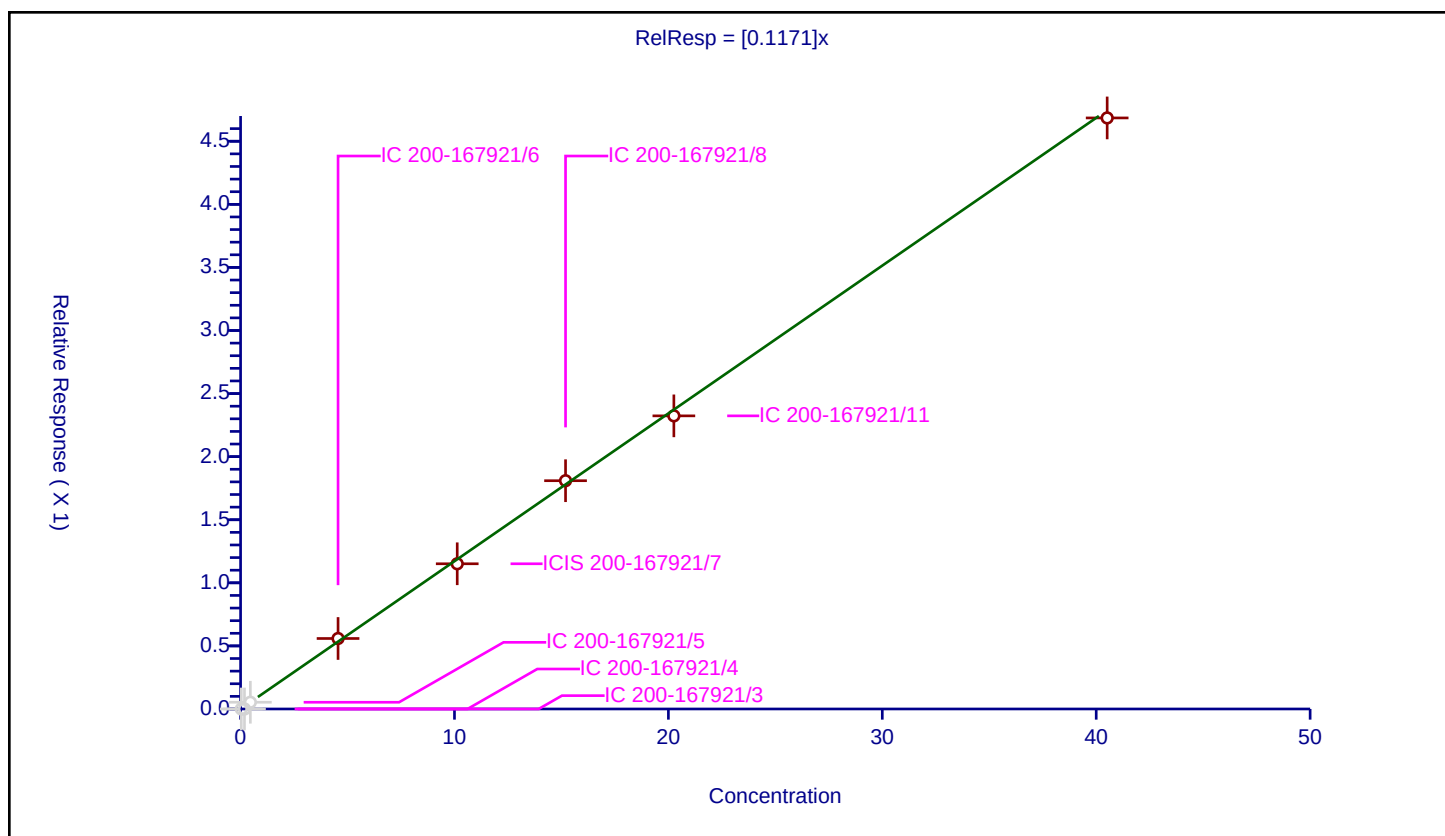
Curve Coefficients

Intercept: 0
Slope: 0.1171

Error Coefficients

Standard Error: 79600
Relative Standard Error: 3.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032487	0.0	20.0	515195.0	0.0	N
2	IC 200-167921/4	0.182741	0.0	20.0	463925.0	0.0	N
3	IC 200-167921/5	0.456852	0.053331	20.0	492397.0	0.116736	N
4	IC 200-167921/6	4.557616	0.558762	20.0	487256.0	0.1226	Y
5	ICIS 200-167921/7	10.128035	1.151028	20.0	507894.0	0.113648	Y
6	IC 200-167921/8	15.192052	1.809284	20.0	521267.0	0.119094	Y
7	IC 200-167921/11	20.256069	2.323457	20.0	545971.0	0.114704	Y
8	IC 200-167921/12	40.512139	4.684779	20.0	573692.0	0.115639	Y



Calibration

/ Tetrahydrofuran

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

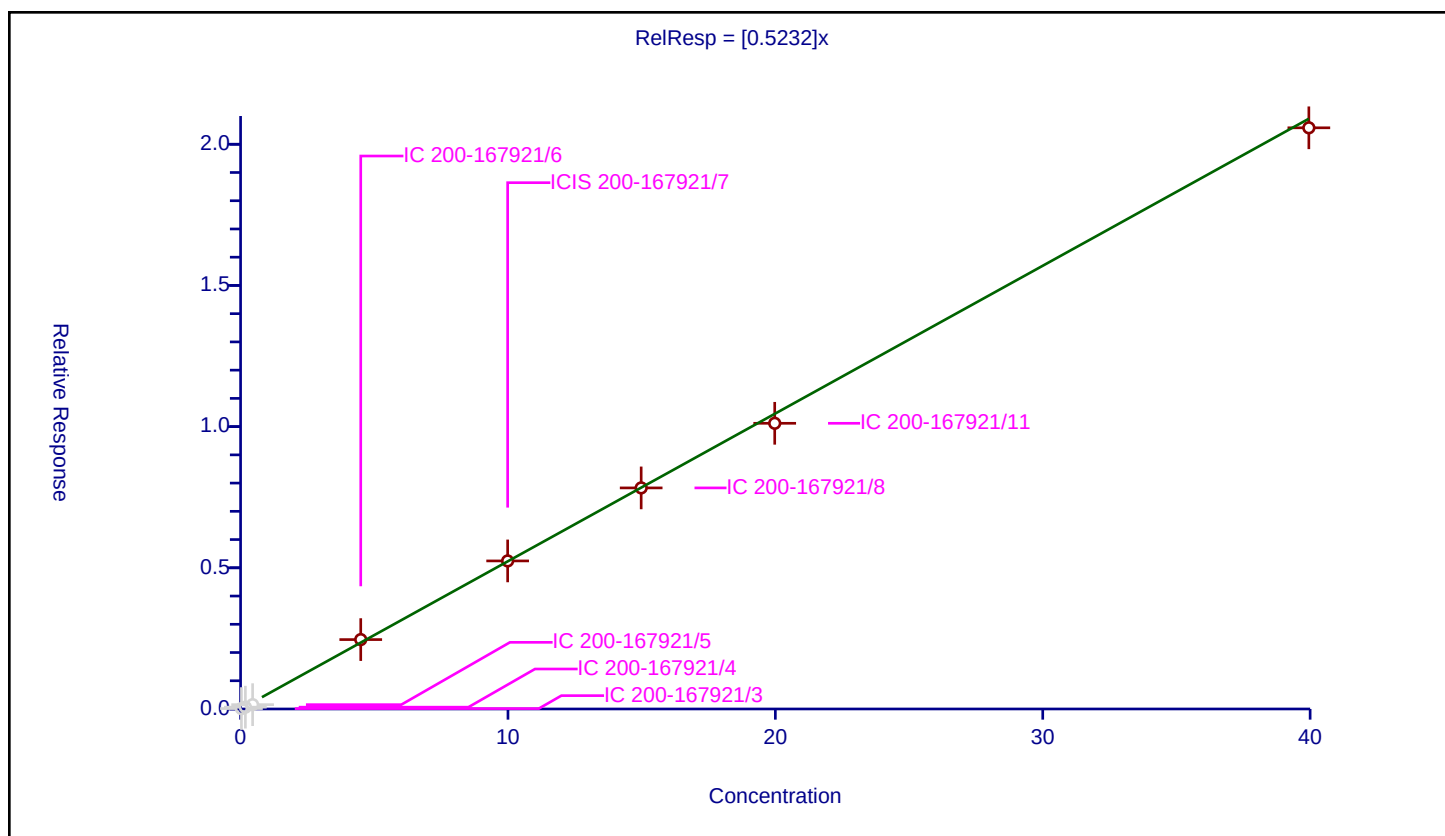
Curve Coefficients

Intercept: 0
 Slope: 0.5232

Error Coefficients

Standard Error: 1730000
 Relative Standard Error: 2.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032038	0.014629	20.0	2665864.0	0.456623	N
2	IC 200-167921/4	0.180215	0.06467	20.0	2611404.0	0.35885	N
3	IC 200-167921/5	0.450538	0.153717	20.0	2658781.0	0.341185	N
4	IC 200-167921/6	4.494628	2.458044	20.0	2444830.0	0.546885	Y
5	ICIS 200-167921/7	9.988062	5.24379	20.0	2511367.0	0.525006	Y
6	IC 200-167921/8	14.982093	7.829276	20.0	2625267.0	0.522576	Y
7	IC 200-167921/11	19.976124	10.117752	20.0	2741945.0	0.506492	Y
8	IC 200-167921/12	39.952247	20.58262	20.0	2837940.0	0.515181	Y



Calibration

/ Chloroform

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

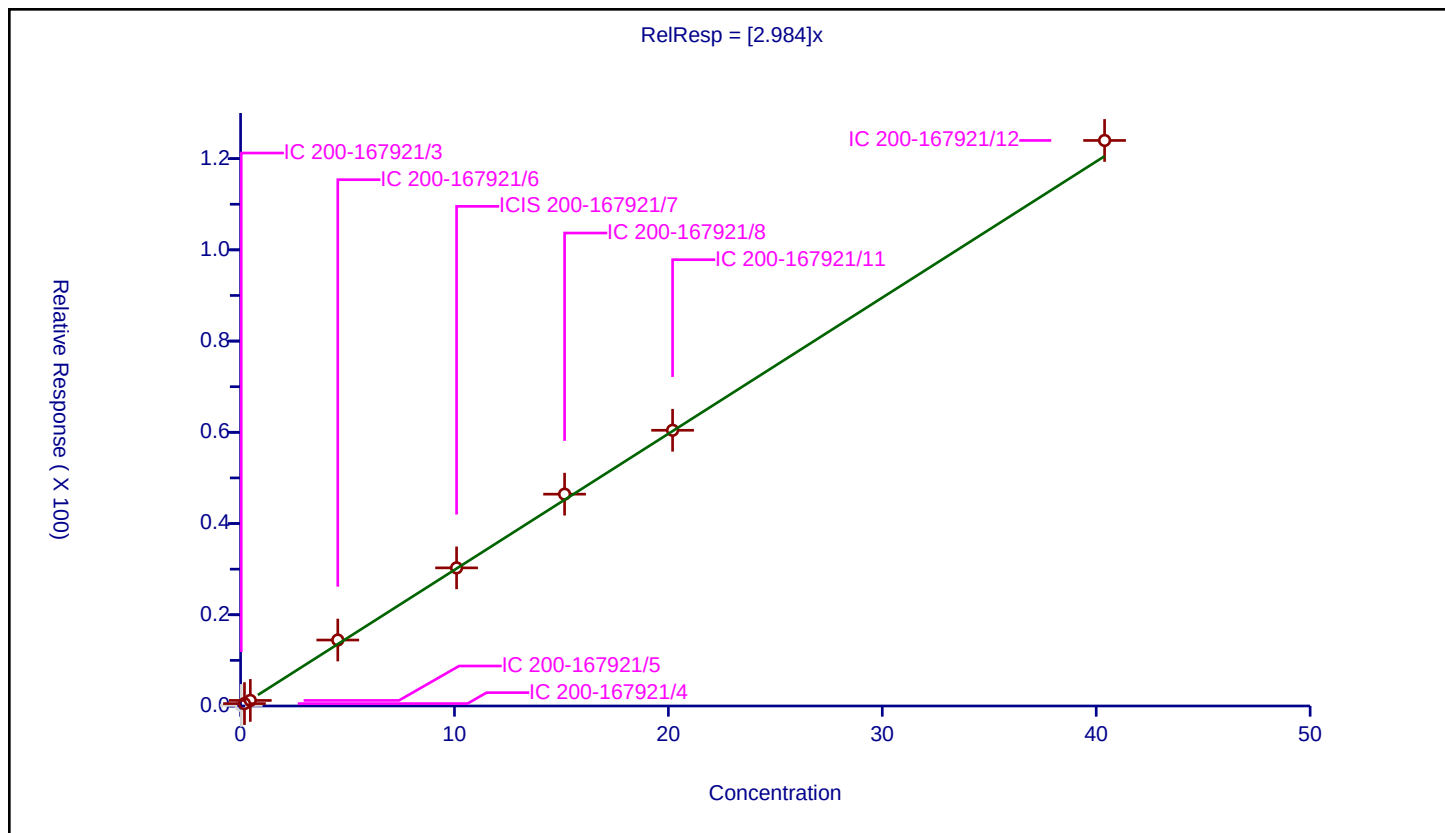
Curve Coefficients

Intercept: 0
 Slope: 2.984

Error Coefficients

Standard Error: 1710000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032391	0.122245	20.0	515195.0	3.774036	N
2	IC 200-167921/4	0.1822	0.52931	20.0	463925.0	2.905108	Y
3	IC 200-167921/5	0.455499	1.218488	20.0	492397.0	2.675062	Y
4	IC 200-167921/6	4.544118	14.458888	20.0	487256.0	3.181891	Y
5	ICIS 200-167921/7	10.09804	30.278444	20.0	507894.0	2.998447	Y
6	IC 200-167921/8	15.147061	46.442303	20.0	521267.0	3.066093	Y
7	IC 200-167921/11	20.196081	60.446617	20.0	545971.0	2.992987	Y
8	IC 200-167921/12	40.392162	123.985658	20.0	573692.0	3.069547	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

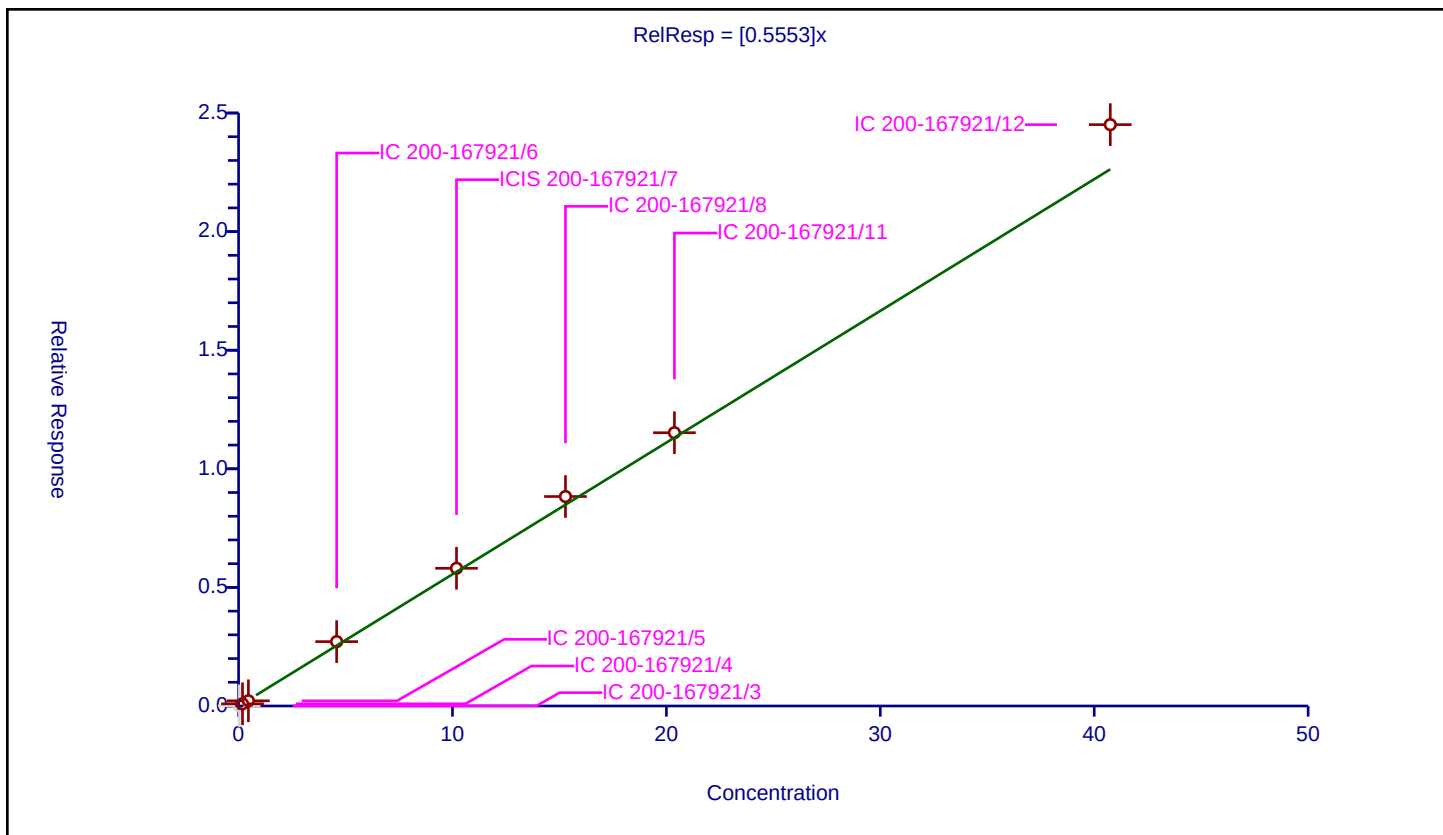
Curve Coefficients

Intercept: 0
 Slope: 0.5553

Error Coefficients

Standard Error: 1660000
 Relative Standard Error: 8.4
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03268	0.006662	20.0	2665864.0	0.203858	N
2	IC 200-167921/4	0.183823	0.092556	20.0	2611404.0	0.503503	Y
3	IC 200-167921/5	0.459558	0.219168	20.0	2658781.0	0.476911	Y
4	IC 200-167921/6	4.58461	2.713023	20.0	2444830.0	0.591767	Y
5	ICIS 200-167921/7	10.188023	5.805579	20.0	2511367.0	0.569844	Y
6	IC 200-167921/8	15.282035	8.831125	20.0	2625267.0	0.577876	Y
7	IC 200-167921/11	20.376046	11.521033	20.0	2741945.0	0.56542	Y
8	IC 200-167921/12	40.752092	24.510201	20.0	2837940.0	0.601446	Y



Calibration

/ Cyclohexane

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

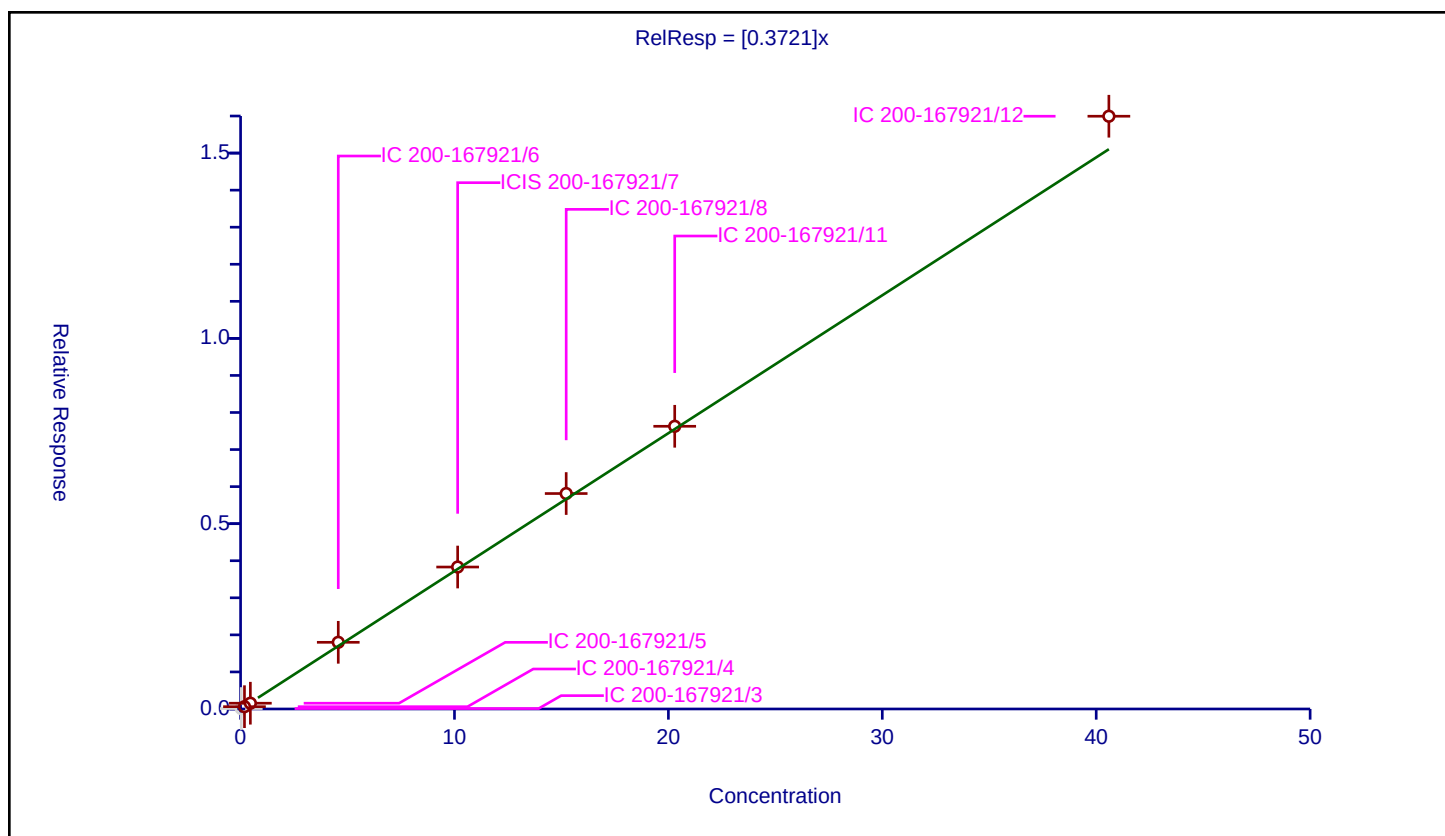
Curve Coefficients

Intercept: 0
Slope: 0.3721

Error Coefficients

Standard Error: 1090000
Relative Standard Error: 6.1
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032551	0.012004	20.0	2665864.0	0.368759	N
2	IC 200-167921/4	0.183102	0.062388	20.0	2611404.0	0.340728	Y
3	IC 200-167921/5	0.457754	0.155936	20.0	2658781.0	0.340655	Y
4	IC 200-167921/6	4.566614	1.799454	20.0	2444830.0	0.394046	Y
5	ICIS 200-167921/7	10.148031	3.830599	20.0	2511367.0	0.377472	Y
6	IC 200-167921/8	15.222046	5.81326	20.0	2625267.0	0.381897	Y
7	IC 200-167921/11	20.296062	7.628074	20.0	2741945.0	0.37584	Y
8	IC 200-167921/12	40.592123	15.993946	20.0	2837940.0	0.394016	Y



Calibration

/ Carbon tetrachloride

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

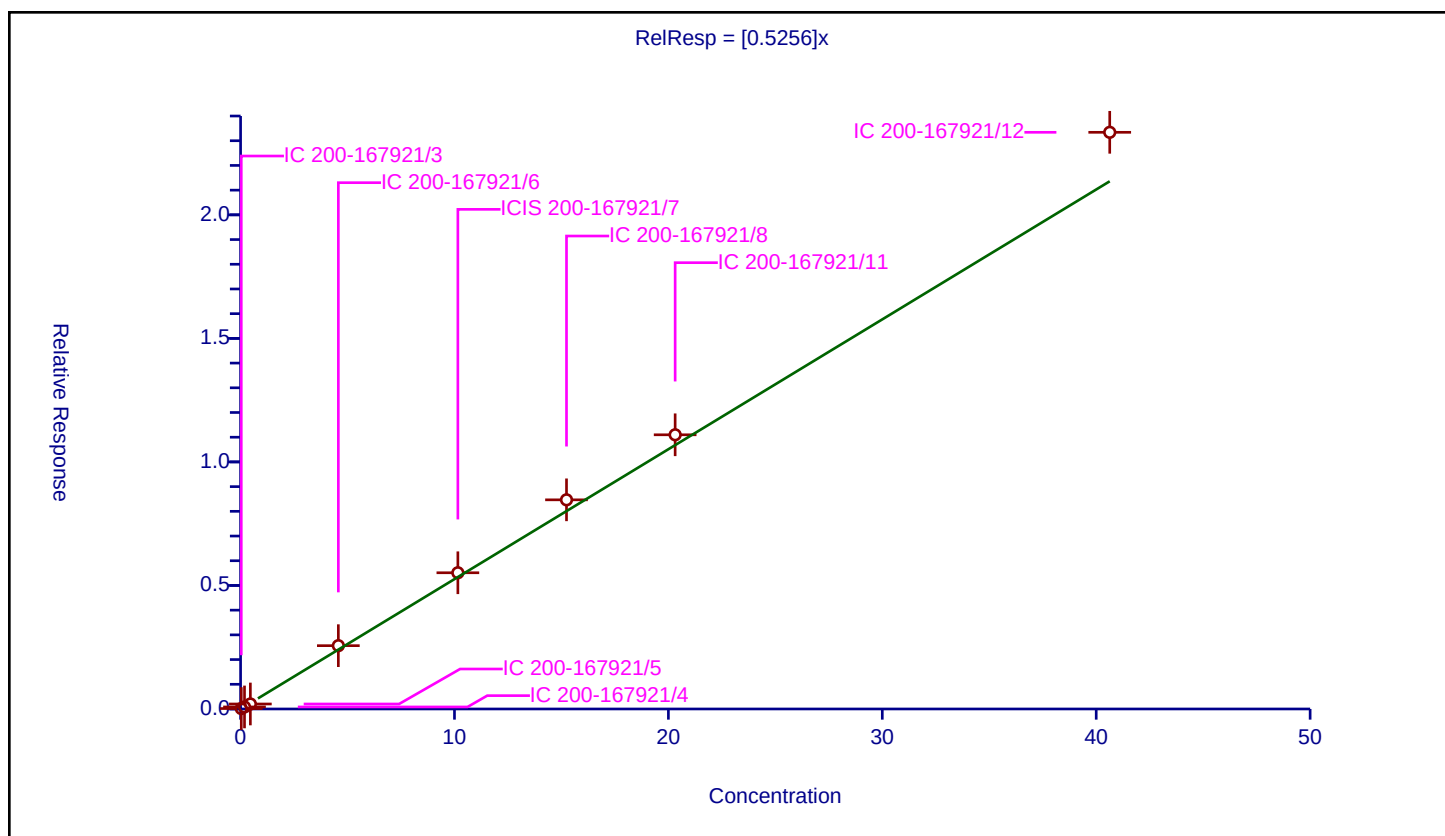
Curve Coefficients

Intercept: 0
 Slope: 0.5256

Error Coefficients

Standard Error: 1470000
 Relative Standard Error: 9.6
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032583	0.017375	20.0	2665864.0	0.533253	Y
2	IC 200-167921/4	0.183282	0.082561	20.0	2611404.0	0.450459	Y
3	IC 200-167921/5	0.458205	0.202424	20.0	2658781.0	0.441775	Y
4	IC 200-167921/6	4.571113	2.562305	20.0	2444830.0	0.560543	Y
5	ICIS 200-167921/7	10.158029	5.513611	20.0	2511367.0	0.542784	Y
6	IC 200-167921/8	15.237043	8.465623	20.0	2625267.0	0.555595	Y
7	IC 200-167921/11	20.316058	11.098363	20.0	2741945.0	0.546285	Y
8	IC 200-167921/12	40.632115	23.340212	20.0	2837940.0	0.574428	Y



Calibration

/ Benzene

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

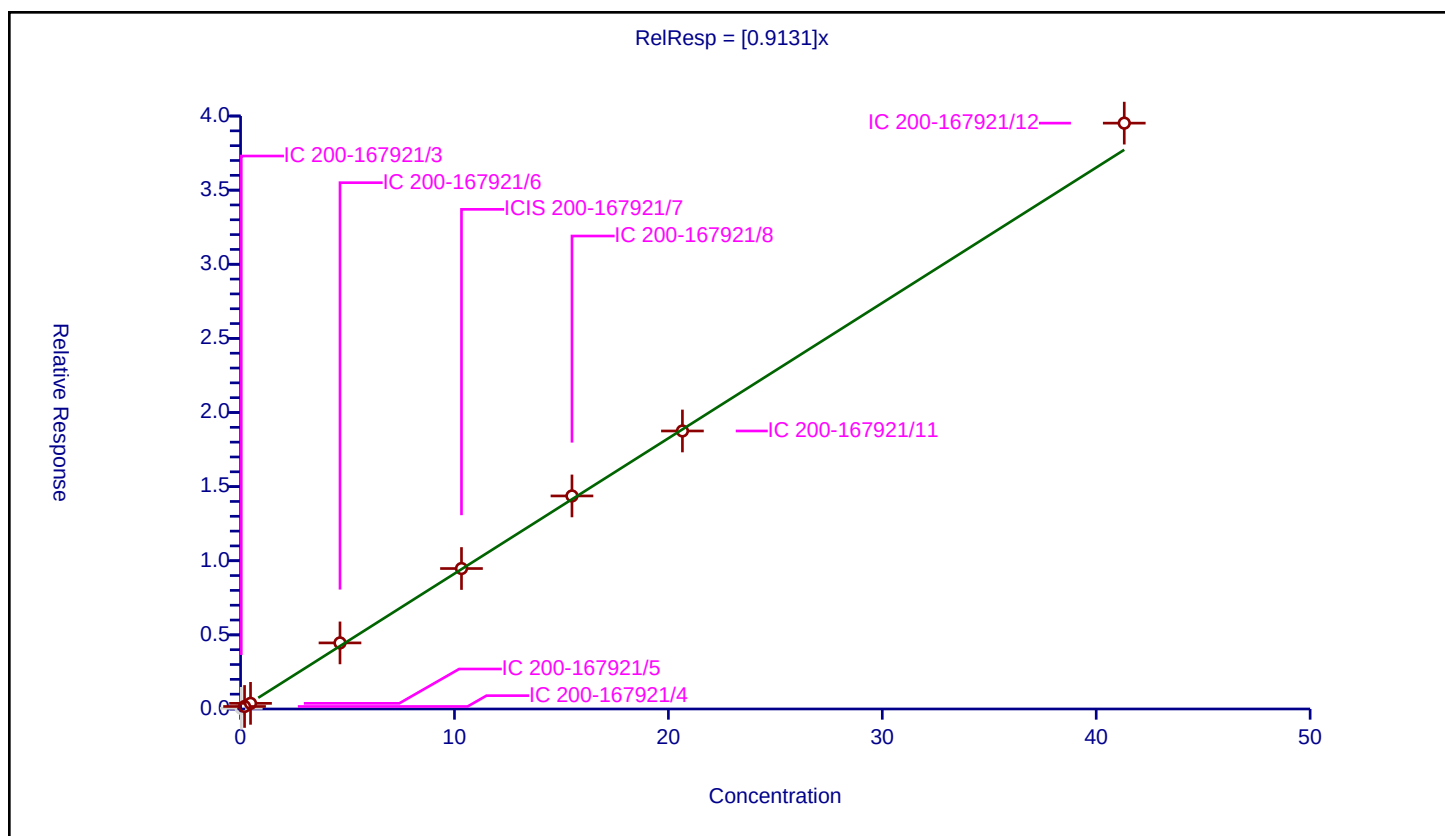
Curve Coefficients

Intercept: 0
Slope: 0.9131

Error Coefficients

Standard Error: 2690000
Relative Standard Error: 5.3
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033129	0.046349	20.0	2665864.0	1.399059	N
2	IC 200-167921/4	0.186349	0.169135	20.0	2611404.0	0.907626	Y
3	IC 200-167921/5	0.465872	0.379738	20.0	2658781.0	0.815112	Y
4	IC 200-167921/6	4.647598	4.458723	20.0	2444830.0	0.959361	Y
5	ICIS 200-167921/7	10.327996	9.475636	20.0	2511367.0	0.917471	Y
6	IC 200-167921/8	15.491994	14.371506	20.0	2625267.0	0.927673	Y
7	IC 200-167921/11	20.655992	18.754672	20.0	2741945.0	0.907953	Y
8	IC 200-167921/12	41.311983	39.520547	20.0	2837940.0	0.956636	Y



Calibration

/ Isooctane

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

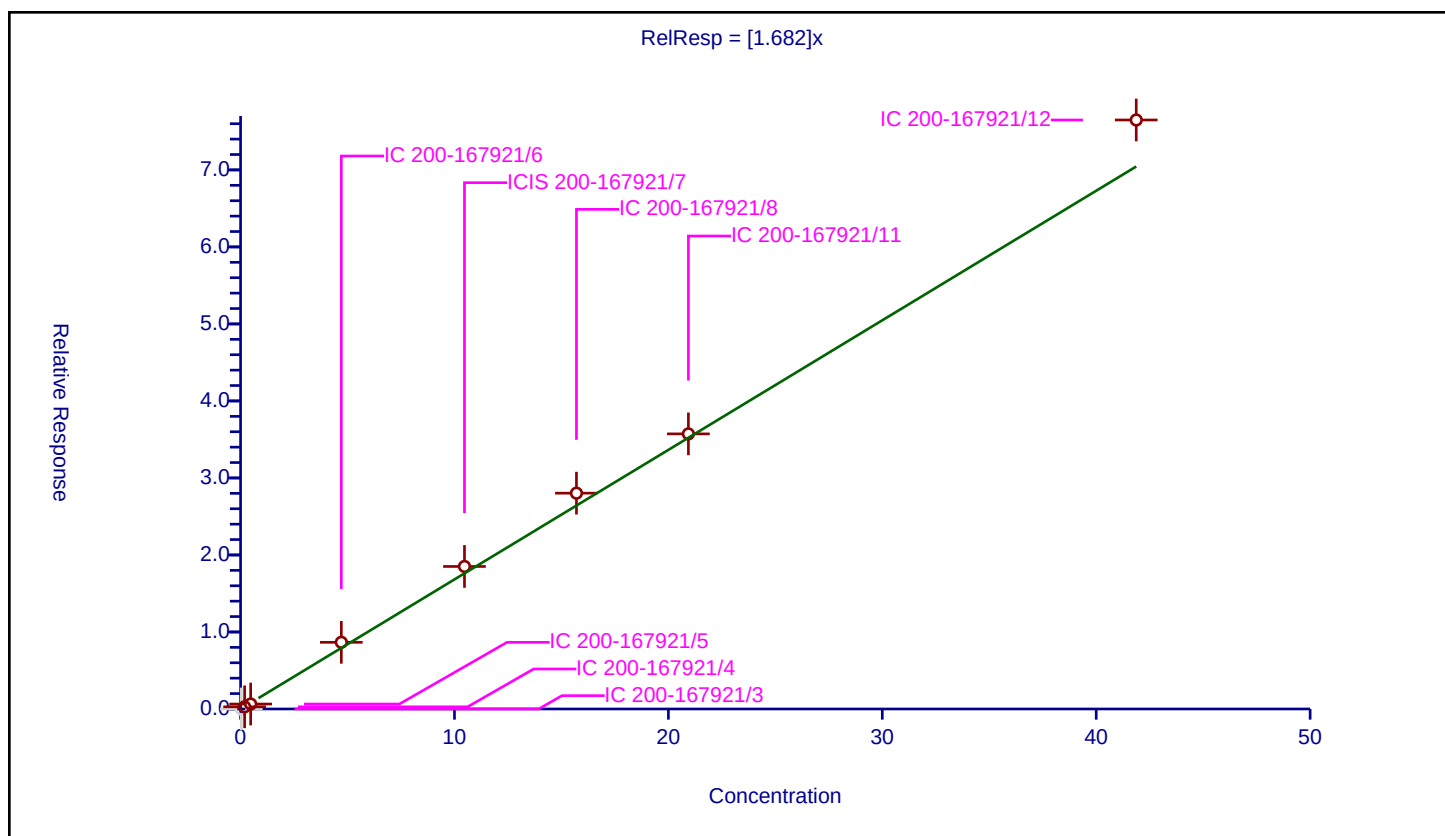
Curve Coefficients

Intercept: 0
Slope: 1.682

Error Coefficients

Standard Error: 5190000
Relative Standard Error: 11.0
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033578	0.0	20.0	2665864.0	0.0	N
2	IC 200-167921/4	0.188874	0.281979	20.0	2611404.0	1.492943	Y
3	IC 200-167921/5	0.472186	0.641918	20.0	2658781.0	1.359461	Y
4	IC 200-167921/6	4.710586	8.659768	20.0	2444830.0	1.838363	Y
5	ICIS 200-167921/7	10.467969	18.507594	20.0	2511367.0	1.768021	Y
6	IC 200-167921/8	15.701953	28.025782	20.0	2625267.0	1.78486	Y
7	IC 200-167921/11	20.935937	35.722489	20.0	2741945.0	1.706276	Y
8	IC 200-167921/12	41.871875	76.483632	20.0	2837940.0	1.826611	Y



Calibration

/ 1,2-Dichloroethane

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

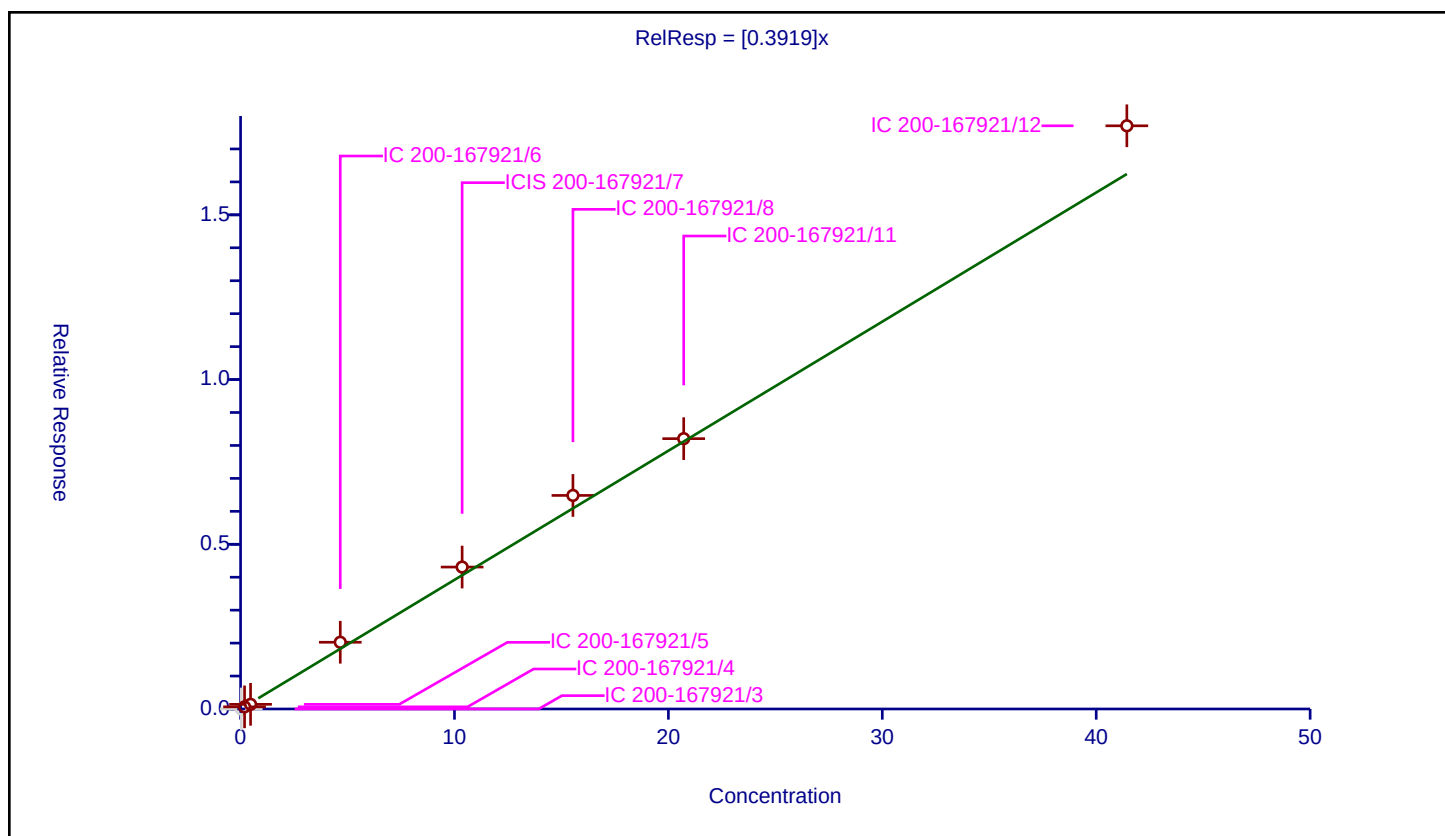
Curve Coefficients

Intercept: 0
 Slope: 0.3919

Error Coefficients

Standard Error: 1200000
 Relative Standard Error: 12.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033225	0.0	20.0	2665864.0	0.0	N
2	IC 200-167921/4	0.18689	0.065474	20.0	2611404.0	0.350336	Y
3	IC 200-167921/5	0.467225	0.141117	20.0	2658781.0	0.302033	Y
4	IC 200-167921/6	4.661096	2.025662	20.0	2444830.0	0.434589	Y
5	ICIS 200-167921/7	10.35799	4.308745	20.0	2511367.0	0.415983	Y
6	IC 200-167921/8	15.536985	6.483082	20.0	2625267.0	0.417268	Y
7	IC 200-167921/11	20.71598	8.206211	20.0	2741945.0	0.39613	Y
8	IC 200-167921/12	41.43196	17.702629	20.0	2837940.0	0.42727	Y



Calibration

/ n-Heptane

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

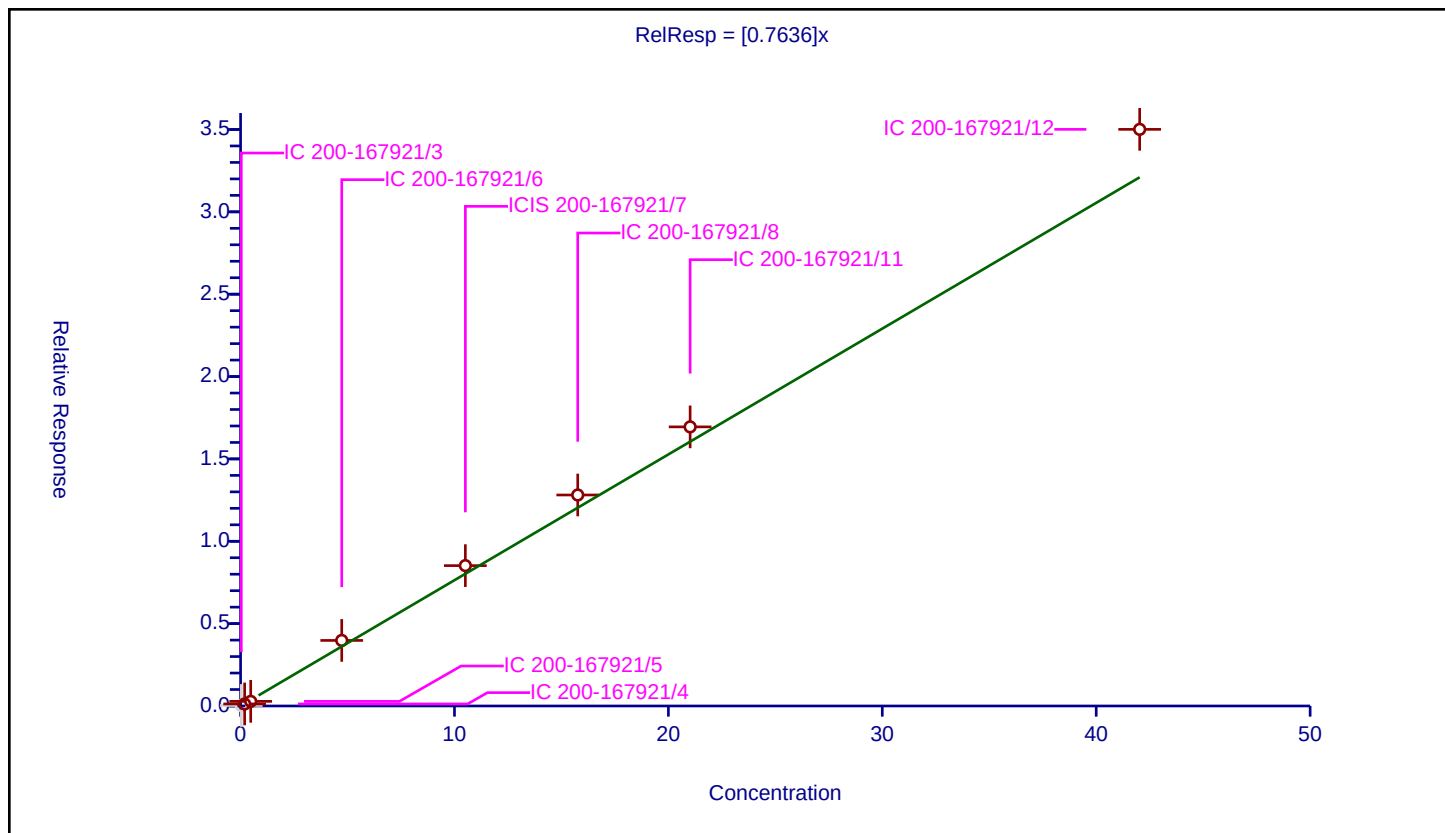
Curve Coefficients

Intercept: 0
 Slope: 0.7636

Error Coefficients

Standard Error: 2390000
 Relative Standard Error: 13.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033706	0.029679	20.0	2665864.0	0.880525	N
2	IC 200-167921/4	0.189596	0.123137	20.0	2611404.0	0.64947	Y
3	IC 200-167921/5	0.47399	0.280226	20.0	2658781.0	0.591207	Y
4	IC 200-167921/6	4.728582	3.980727	20.0	2444830.0	0.841844	Y
5	ICIS 200-167921/7	10.507961	8.52198	20.0	2511367.0	0.811002	Y
6	IC 200-167921/8	15.761941	12.809371	20.0	2625267.0	0.812677	Y
7	IC 200-167921/11	21.015922	16.945322	20.0	2741945.0	0.806309	Y
8	IC 200-167921/12	42.031844	35.00826	20.0	2837940.0	0.832898	Y



Calibration

/ n-Butanol

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

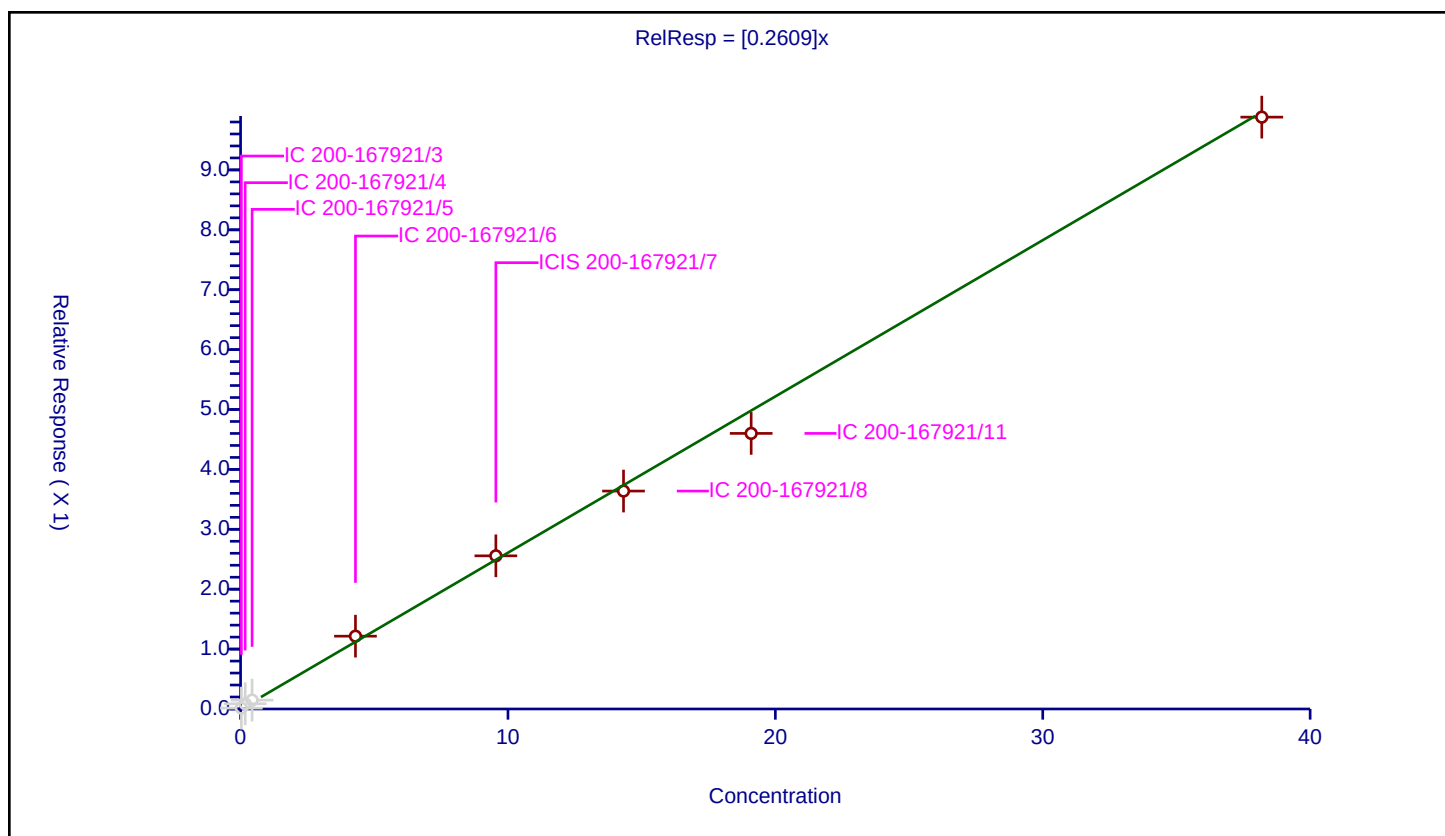
Curve Coefficients

Intercept: 0
 Slope: 0.2609

Error Coefficients

Standard Error: 824000
 Relative Standard Error: 6.0
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.030627	0.014682	20.0	2665864.0	0.479375	N
2	IC 200-167921/4	0.172278	0.086842	20.0	2611404.0	0.504082	N
3	IC 200-167921/5	0.430695	0.148075	20.0	2658781.0	0.343806	N
4	IC 200-167921/6	4.296666	1.215692	20.0	2444830.0	0.282938	Y
5	ICIS 200-167921/7	9.548147	2.556966	20.0	2511367.0	0.267797	Y
6	IC 200-167921/8	14.322221	3.638342	20.0	2625267.0	0.254035	Y
7	IC 200-167921/11	19.096294	4.600909	20.0	2741945.0	0.240932	Y
8	IC 200-167921/12	38.192589	9.881484	20.0	2837940.0	0.258728	Y



Calibration

/ Trichloroethene

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

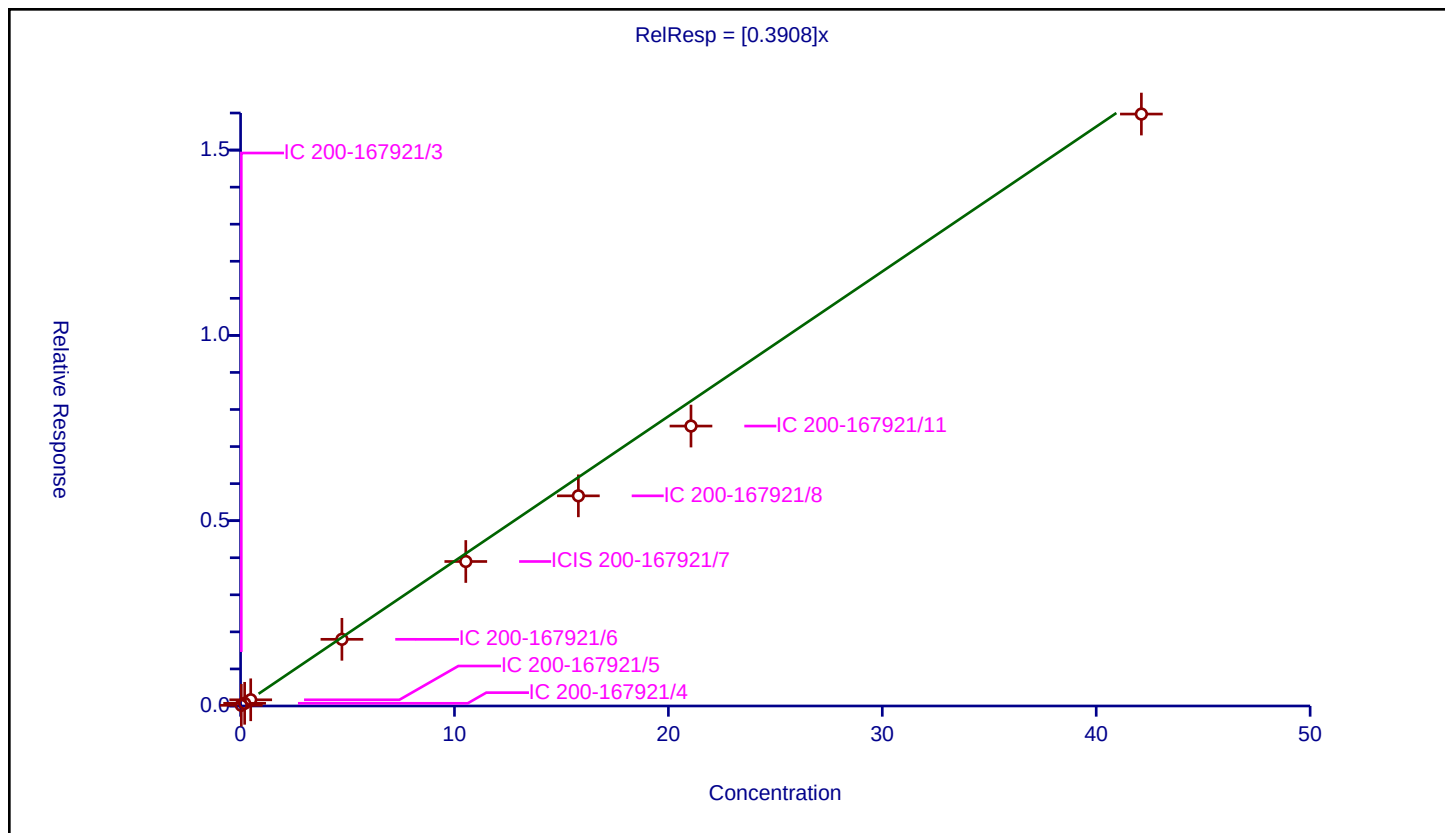
Curve Coefficients

Intercept: 0
 Slope: 0.3908

Error Coefficients

Standard Error: 1000000
 Relative Standard Error: 16.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03377	0.018486	20.0	2665864.0	0.547395	Y
2	IC 200-167921/4	0.189957	0.072007	20.0	2611404.0	0.379072	Y
3	IC 200-167921/5	0.474892	0.167453	20.0	2658781.0	0.352612	Y
4	IC 200-167921/6	4.737581	1.799356	20.0	2444830.0	0.379805	Y
5	ICIS 200-167921/7	10.527957	3.898968	20.0	2511367.0	0.370344	Y
6	IC 200-167921/8	15.791936	5.670661	20.0	2625267.0	0.359086	Y
7	IC 200-167921/11	21.055914	7.5532	20.0	2741945.0	0.358721	Y
8	IC 200-167921/12	42.111828	15.971677	20.0	2837940.0	0.379268	Y



Calibration

/ 1,2-Dichloropropane

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

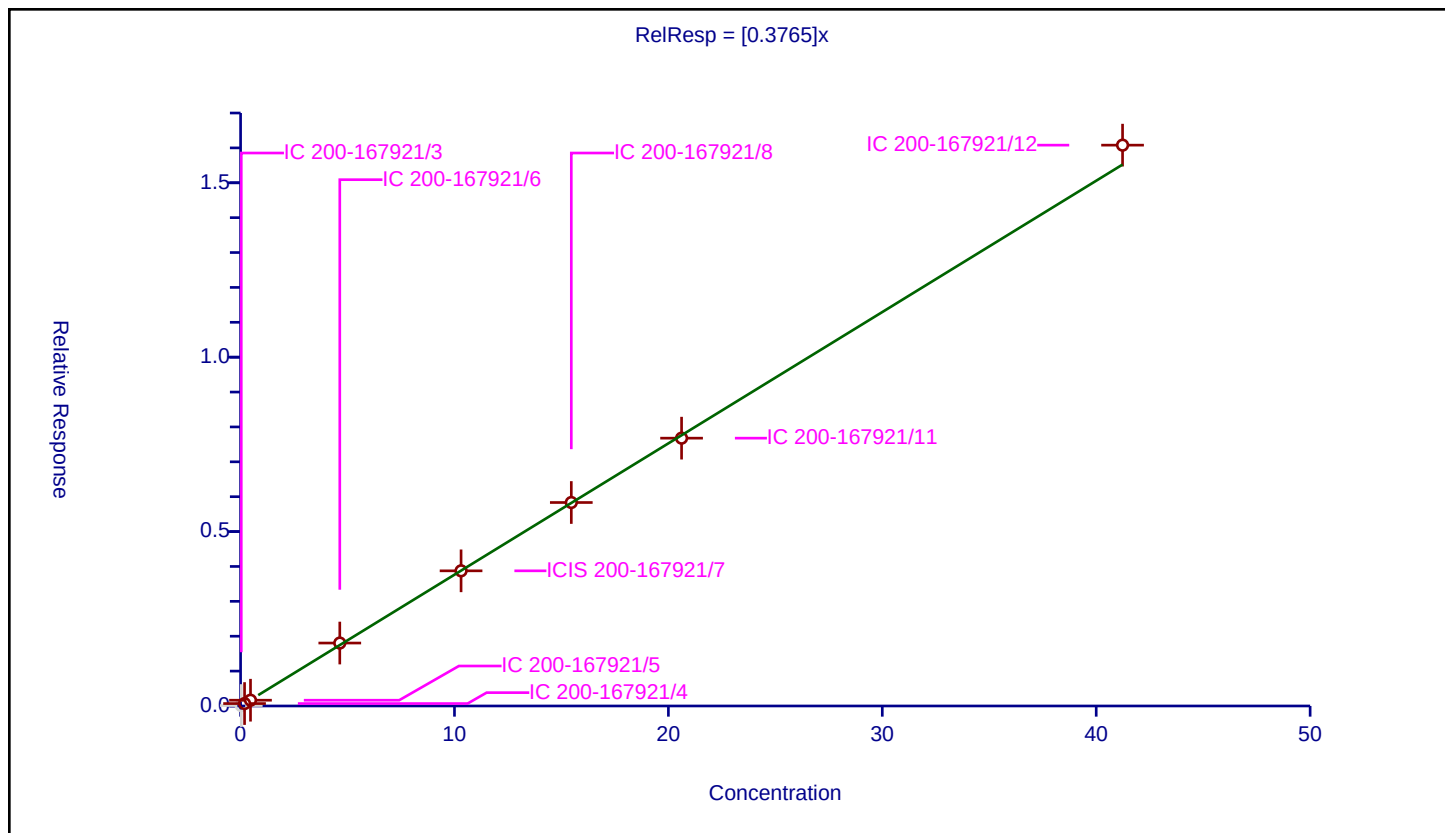
Curve Coefficients

Intercept: 0
 Slope: 0.3765

Error Coefficients

Standard Error: 1090000
 Relative Standard Error: 3.0
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033065	0.012776	20.0	2665864.0	0.386406	N
2	IC 200-167921/4	0.185988	0.06974	20.0	2611404.0	0.374972	Y
3	IC 200-167921/5	0.46497	0.165422	20.0	2658781.0	0.355769	Y
4	IC 200-167921/6	4.6386	1.804289	20.0	2444830.0	0.388973	Y
5	ICIS 200-167921/7	10.308	3.874607	20.0	2511367.0	0.375883	Y
6	IC 200-167921/8	15.462	5.83373	20.0	2625267.0	0.377295	Y
7	IC 200-167921/11	20.615999	7.678061	20.0	2741945.0	0.372432	Y
8	IC 200-167921/12	41.231999	16.078599	20.0	2837940.0	0.389954	Y



Calibration

/ Methyl methacrylate

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

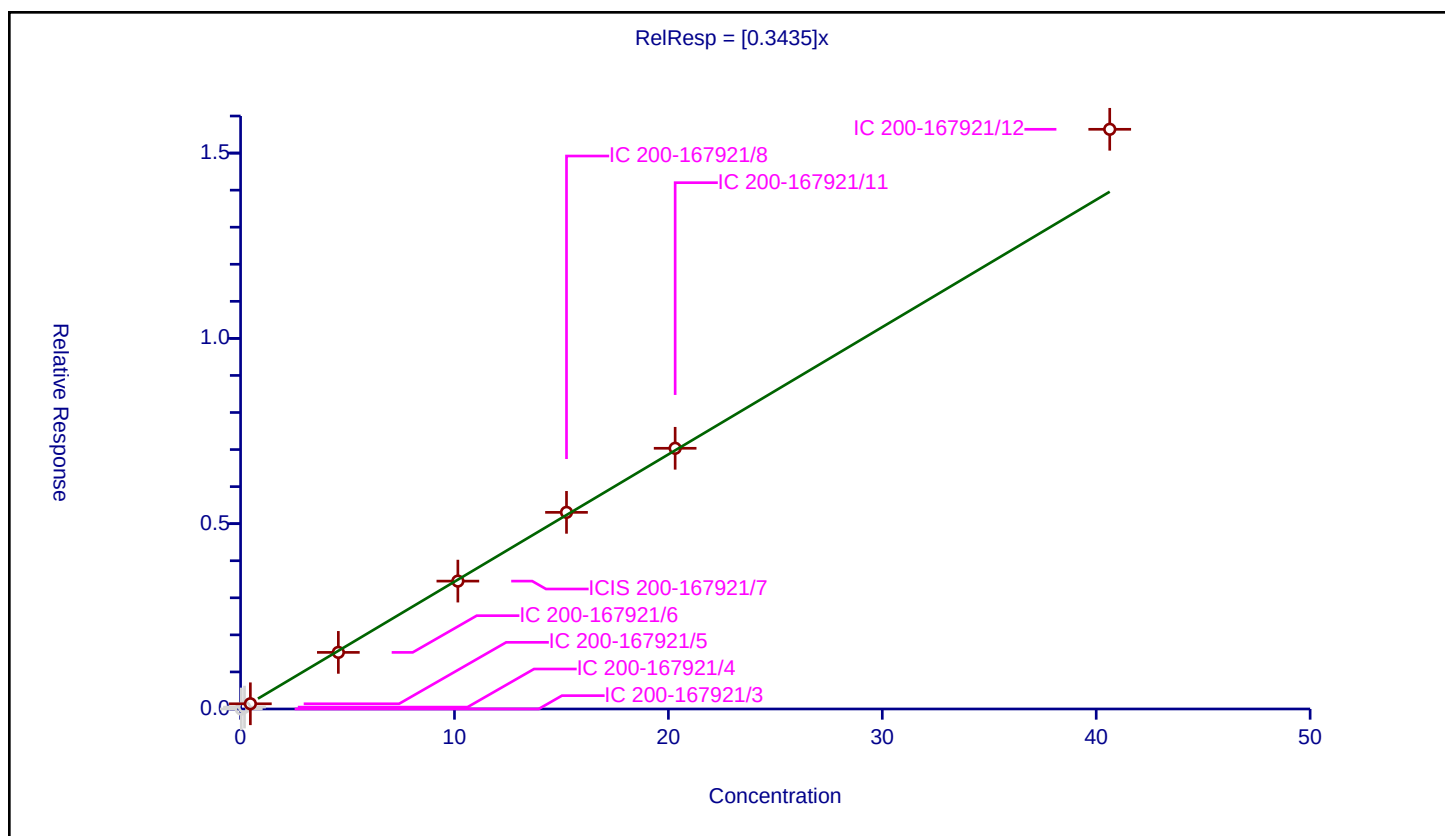
Curve Coefficients

Intercept: 0
Slope: 0.3435

Error Coefficients

Standard Error: 1150000
Relative Standard Error: 7.3
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032583	0.0	20.0	2665864.0	0.0	N
2	IC 200-167921/4	0.183282	0.050394	20.0	2611404.0	0.274955	N
3	IC 200-167921/5	0.458205	0.140989	20.0	2658781.0	0.307699	Y
4	IC 200-167921/6	4.571113	1.527493	20.0	2444830.0	0.334162	Y
5	ICIS 200-167921/7	10.158029	3.450734	20.0	2511367.0	0.339705	Y
6	IC 200-167921/8	15.237043	5.305837	20.0	2625267.0	0.34822	Y
7	IC 200-167921/11	20.316058	7.034474	20.0	2741945.0	0.346252	Y
8	IC 200-167921/12	40.632115	15.641853	20.0	2837940.0	0.384963	Y



Calibration

/ Dibromomethane

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

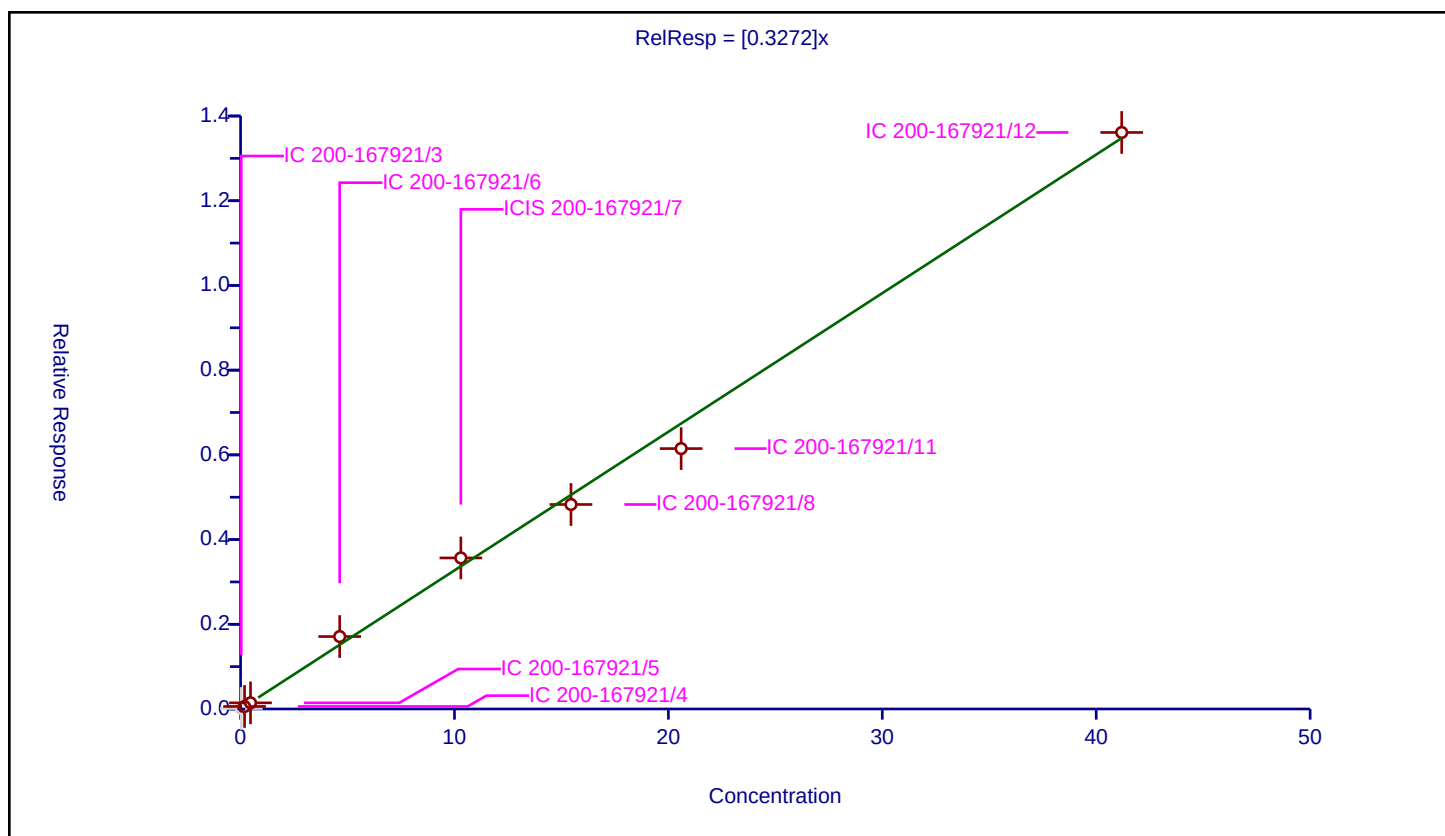
Curve Coefficients

Intercept: 0
Slope: 0.3272

Error Coefficients

Standard Error: 921000
Relative Standard Error: 7.3
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033032	0.012544	20.0	2665864.0	0.379741	N
2	IC 200-167921/4	0.185808	0.059661	20.0	2611404.0	0.321092	Y
3	IC 200-167921/5	0.464519	0.145224	20.0	2658781.0	0.312634	Y
4	IC 200-167921/6	4.634101	1.710426	20.0	2444830.0	0.369095	Y
5	ICIS 200-167921/7	10.298002	3.566591	20.0	2511367.0	0.346338	Y
6	IC 200-167921/8	15.447003	4.828355	20.0	2625267.0	0.312576	Y
7	IC 200-167921/11	20.596003	6.147468	20.0	2741945.0	0.298479	Y
8	IC 200-167921/12	41.192007	13.611761	20.0	2837940.0	0.330447	Y



Calibration

/ 1,4-Dioxane

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

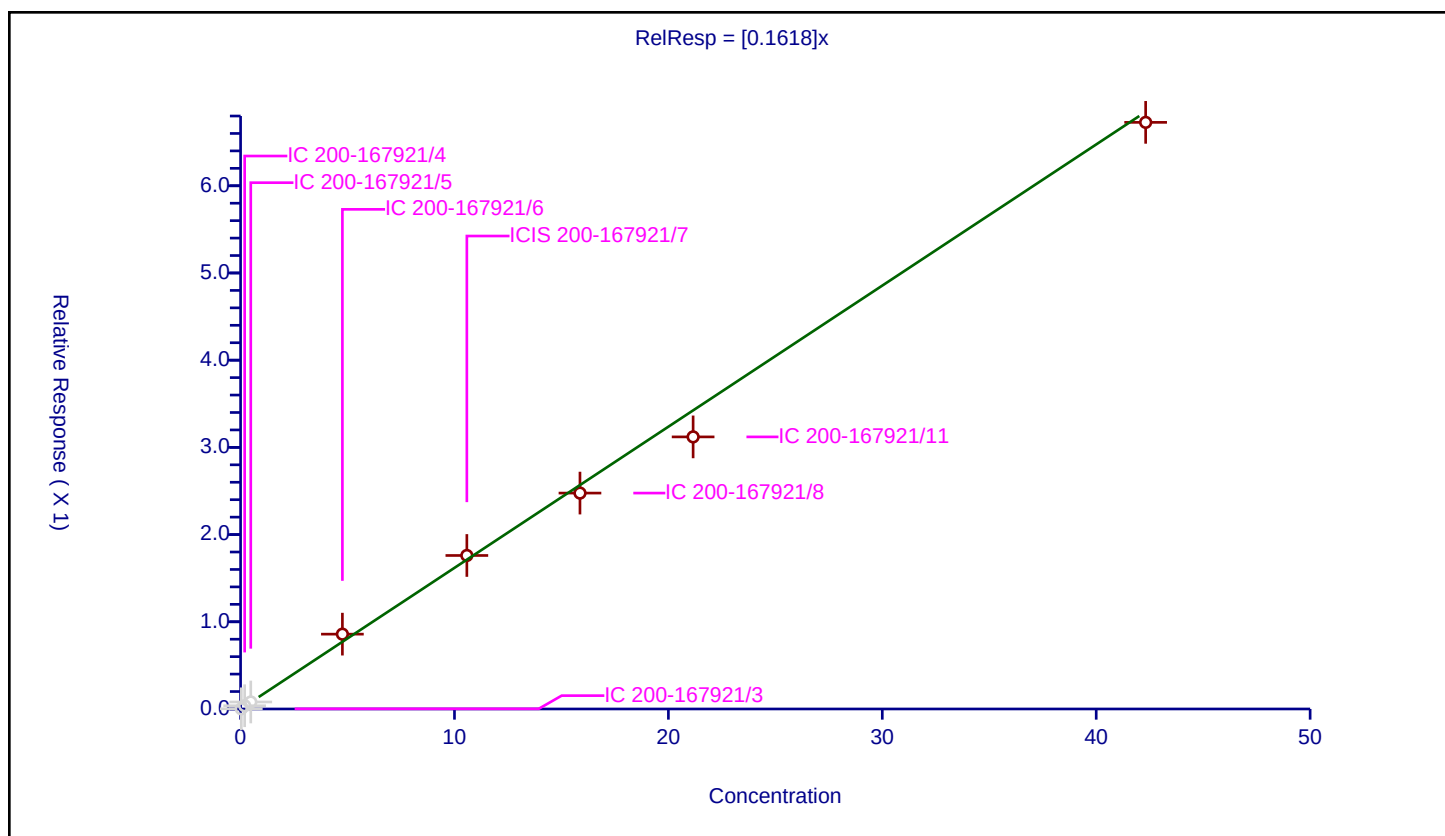
Curve Coefficients

Intercept: 0
 Slope: 0.1618

Error Coefficients

Standard Error: 561000
 Relative Standard Error: 7.6
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03393	0.001876	20.0	2665864.0	0.055277	N
2	IC 200-167921/4	0.190859	0.037298	20.0	2611404.0	0.195422	N
3	IC 200-167921/5	0.477147	0.080285	20.0	2658781.0	0.16826	N
4	IC 200-167921/6	4.760076	0.858236	20.0	2444830.0	0.180299	Y
5	ICIS 200-167921/7	10.577947	1.760475	20.0	2511367.0	0.166429	Y
6	IC 200-167921/8	15.866921	2.475847	20.0	2625267.0	0.156038	Y
7	IC 200-167921/11	21.155895	3.120398	20.0	2741945.0	0.147495	Y
8	IC 200-167921/12	42.311789	6.727091	20.0	2837940.0	0.158989	Y



Calibration

/ Dichlorobromomethane

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

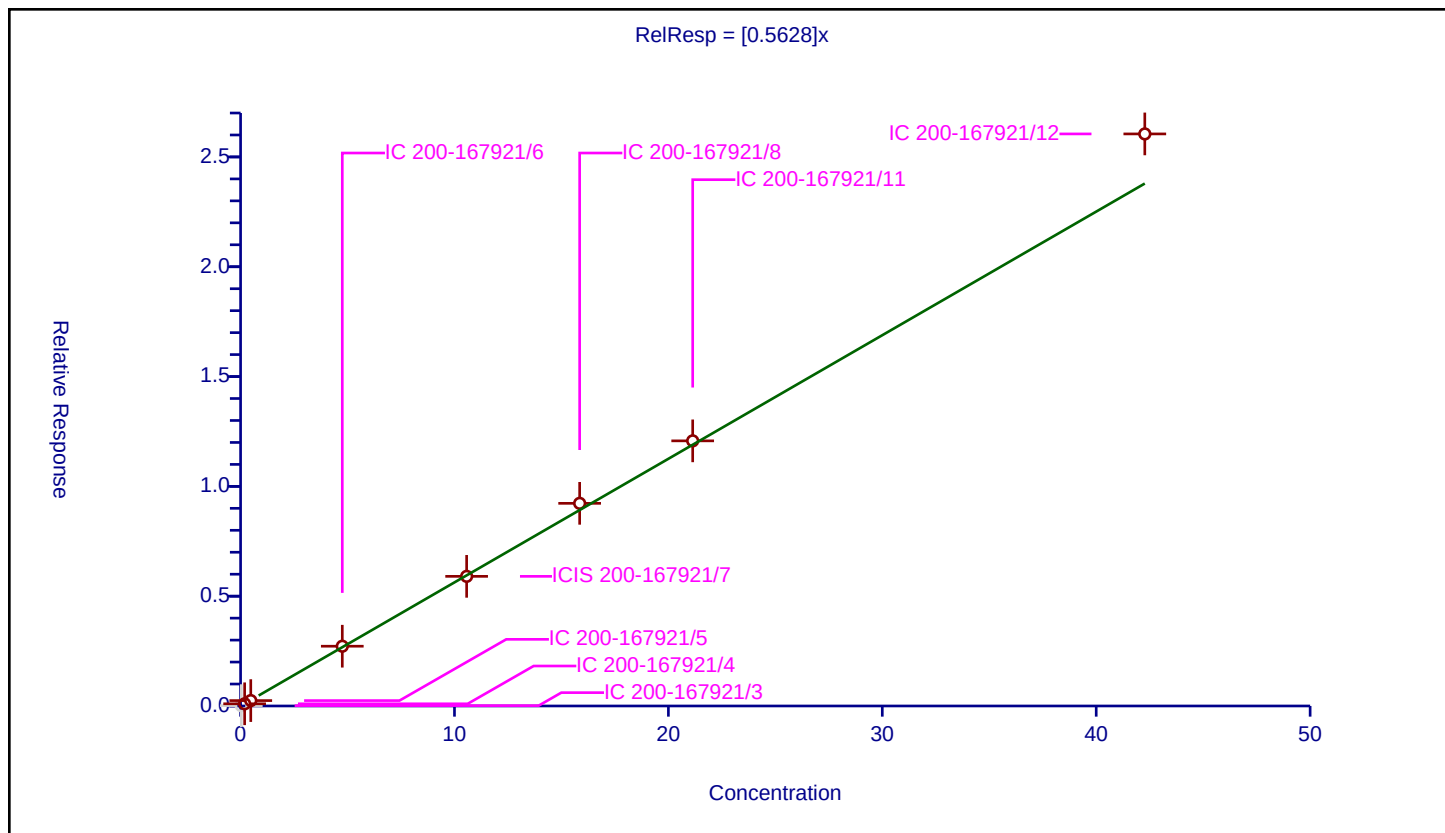
Curve Coefficients

Intercept: 0
 Slope: 0.5628

Error Coefficients

Standard Error: 1760000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033898	0.01682	20.0	2665864.0	0.496191	N
2	IC 200-167921/4	0.190678	0.099701	20.0	2611404.0	0.522876	Y
3	IC 200-167921/5	0.476696	0.246075	20.0	2658781.0	0.51621	Y
4	IC 200-167921/6	4.755577	2.721514	20.0	2444830.0	0.572278	Y
5	ICIS 200-167921/7	10.567949	5.902355	20.0	2511367.0	0.558515	Y
6	IC 200-167921/8	15.851924	9.227511	20.0	2625267.0	0.582107	Y
7	IC 200-167921/11	21.135899	12.072357	20.0	2741945.0	0.571178	Y
8	IC 200-167921/12	42.271797	26.047957	20.0	2837940.0	0.616202	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

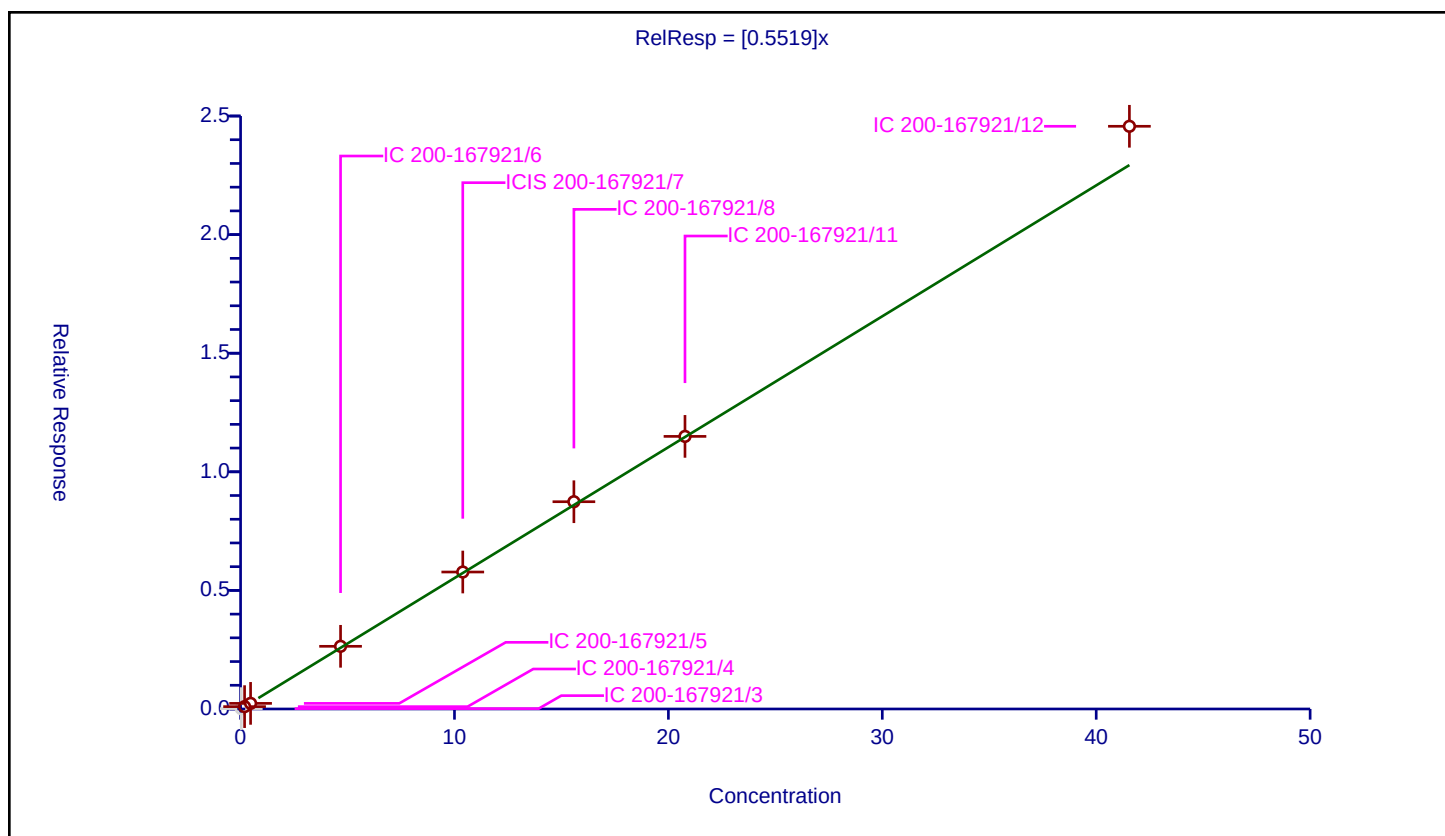
Curve Coefficients

Intercept: 0
Slope: 0.5519

Error Coefficients

Standard Error: 1660000
Relative Standard Error: 4.9
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033321	0.01574	20.0	2665864.0	0.472366	N
2	IC 200-167921/4	0.187431	0.09954	20.0	2611404.0	0.531077	Y
3	IC 200-167921/5	0.468578	0.236891	20.0	2658781.0	0.505552	Y
4	IC 200-167921/6	4.674593	2.642466	20.0	2444830.0	0.565283	Y
5	ICIS 200-167921/7	10.387984	5.774775	20.0	2511367.0	0.555909	Y
6	IC 200-167921/8	15.581976	8.738182	20.0	2625267.0	0.560788	Y
7	IC 200-167921/11	20.775968	11.492506	20.0	2741945.0	0.553163	Y
8	IC 200-167921/12	41.551937	24.566862	20.0	2837940.0	0.591233	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

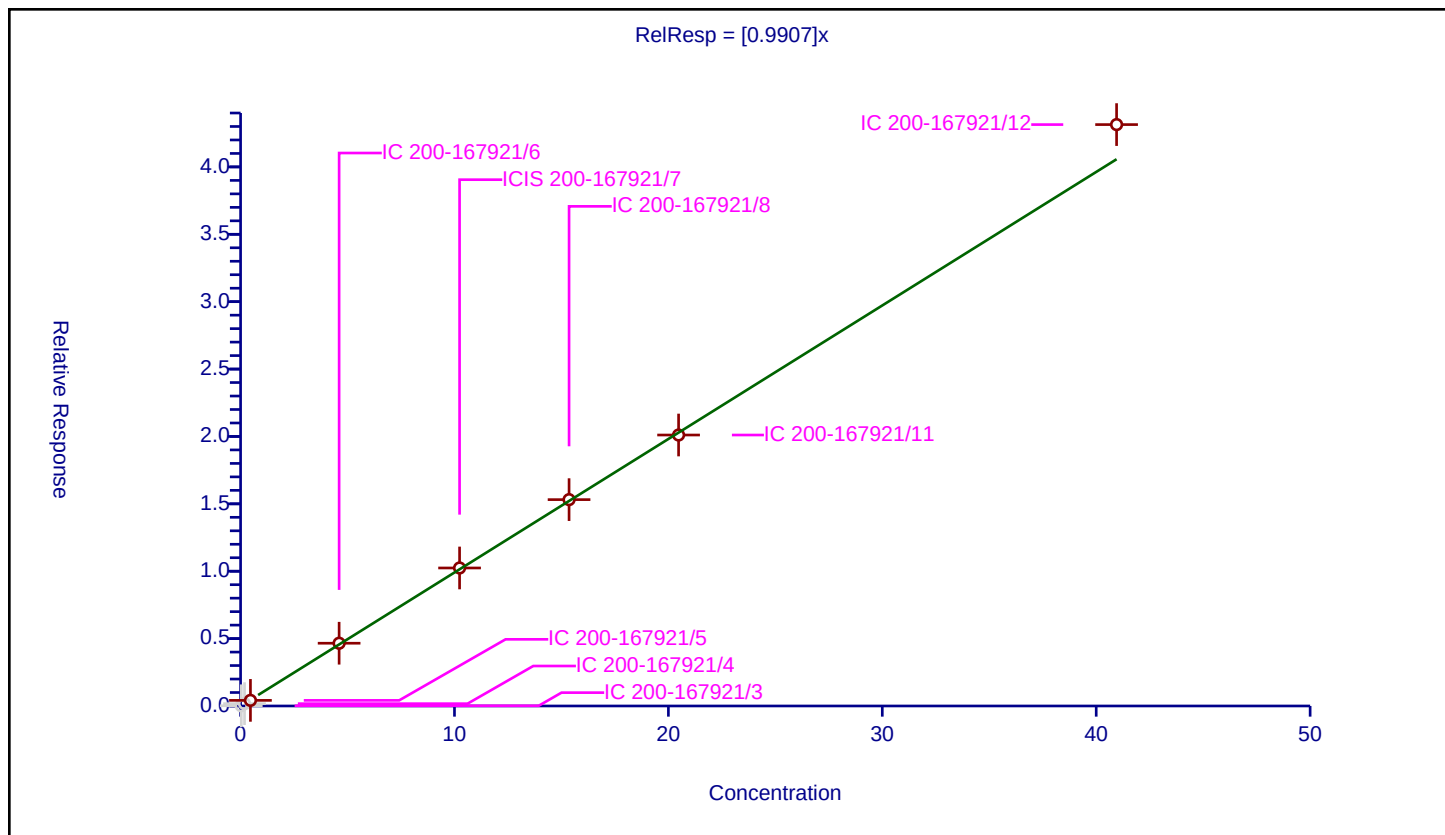
Curve Coefficients

Intercept: 0
 Slope: 0.9907

Error Coefficients

Standard Error: 3200000
 Relative Standard Error: 5.1
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03284	0.017765	20.0	2665864.0	0.540966	N
2	IC 200-167921/4	0.184725	0.172949	20.0	2611404.0	0.936251	N
3	IC 200-167921/5	0.461813	0.41586	20.0	2658781.0	0.900494	Y
4	IC 200-167921/6	4.607106	4.65742	20.0	2444830.0	1.010921	Y
5	ICIS 200-167921/7	10.238013	10.240893	20.0	2511367.0	1.000281	Y
6	IC 200-167921/8	15.35702	15.311509	20.0	2625267.0	0.997036	Y
7	IC 200-167921/11	20.476027	20.1068	20.0	2741945.0	0.981968	Y
8	IC 200-167921/12	40.952053	43.140426	20.0	2837940.0	1.053437	Y



Calibration

/ Toluene

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

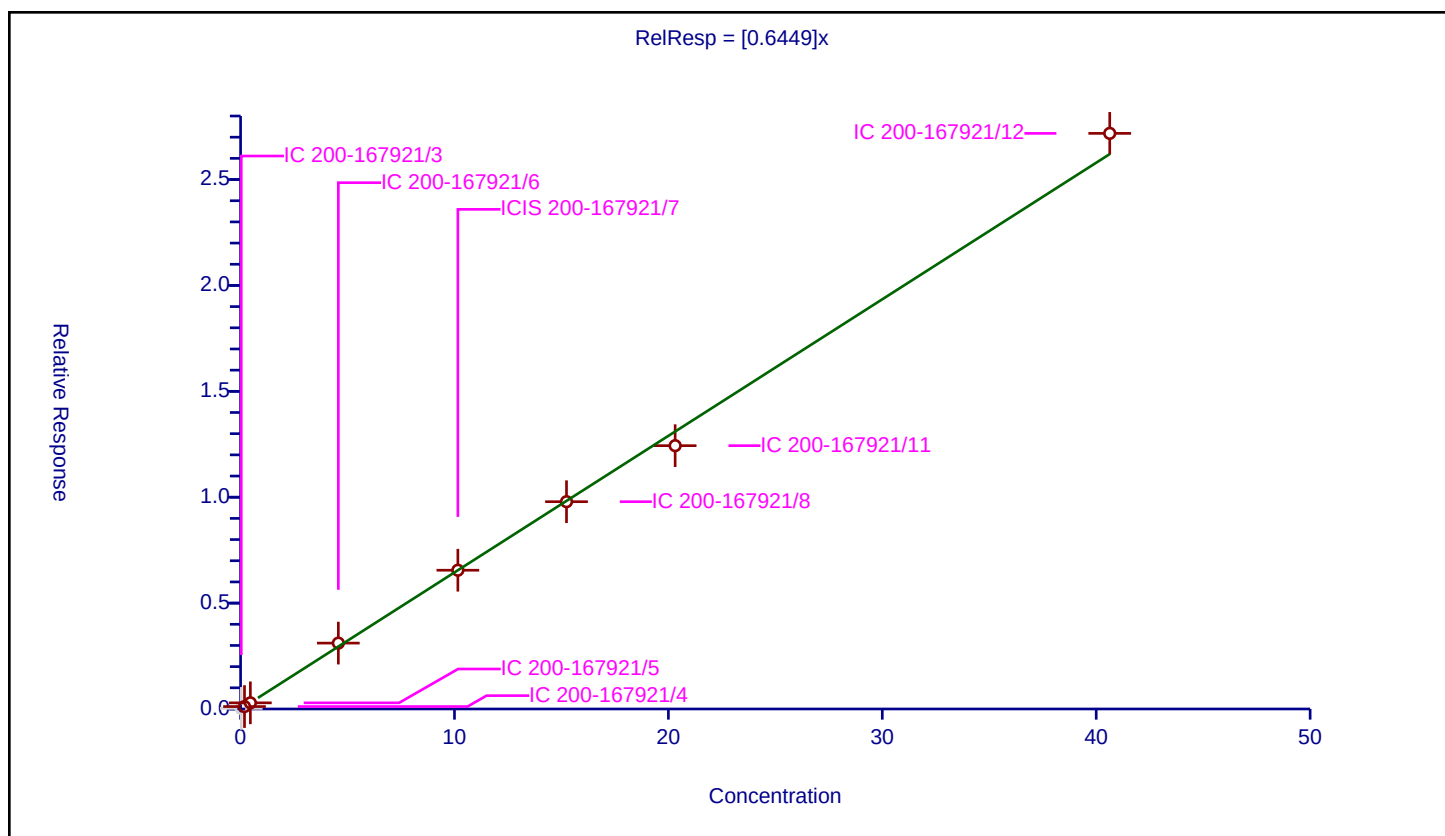
Curve Coefficients

Intercept: 0
 Slope: 0.6449

Error Coefficients

Standard Error: 1690000
 Relative Standard Error: 3.6
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032583	0.02791	20.0	2698638.0	0.856581	N
2	IC 200-167921/4	0.183282	0.115706	20.0	2375680.0	0.631299	Y
3	IC 200-167921/5	0.458205	0.290404	20.0	2535363.0	0.633786	Y
4	IC 200-167921/6	4.571113	3.111039	20.0	2227674.0	0.680587	Y
5	ICIS 200-167921/7	10.158029	6.55197	20.0	2276384.0	0.645004	Y
6	IC 200-167921/8	15.237043	9.787929	20.0	2374300.0	0.642377	Y
7	IC 200-167921/11	20.316058	12.433821	20.0	2558245.0	0.612019	Y
8	IC 200-167921/12	40.632115	27.180528	20.0	2604257.0	0.668942	Y



Calibration

/ n-Octane

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

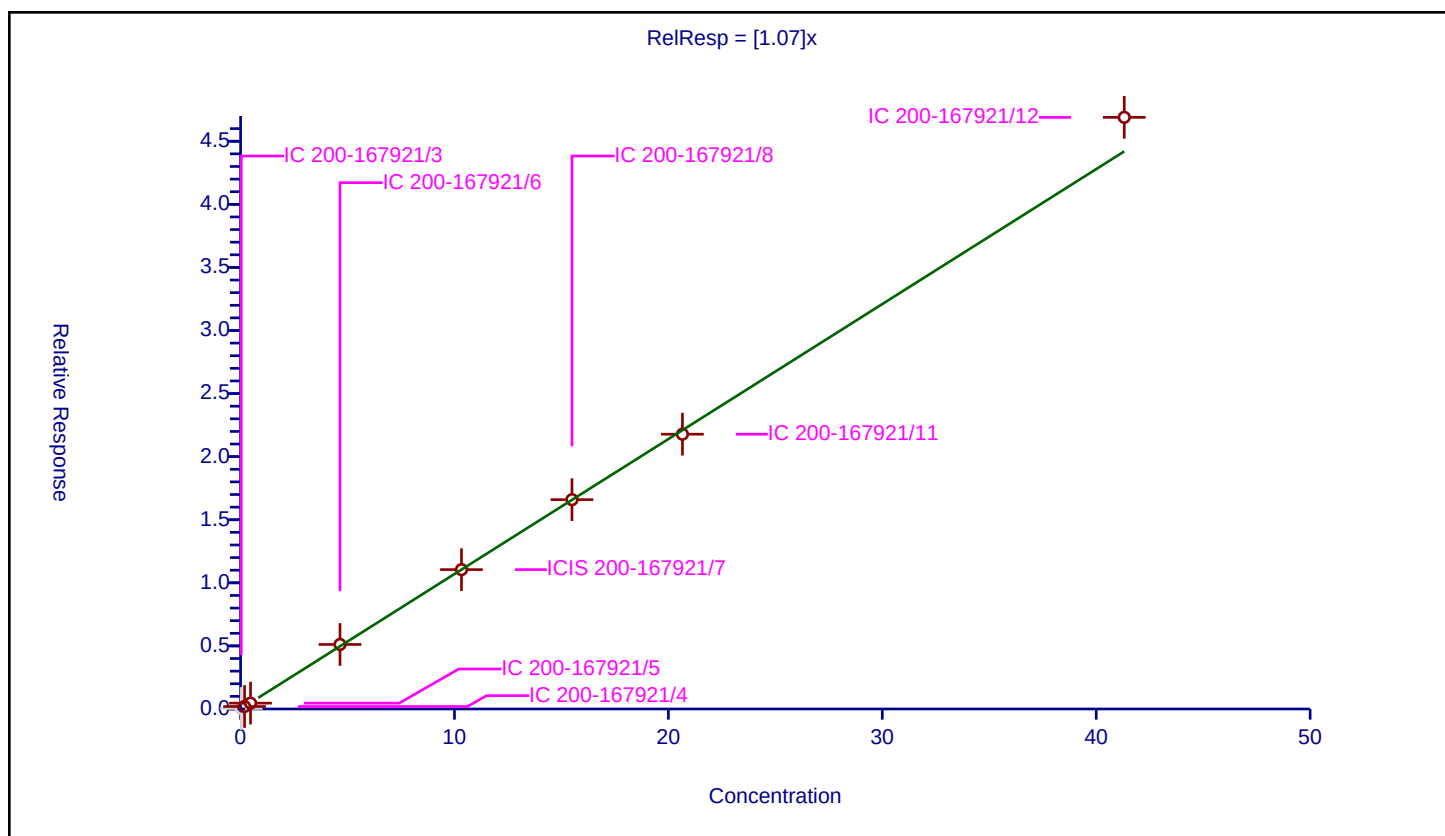
Curve Coefficients

Intercept: 0
 Slope: 1.07

Error Coefficients

Standard Error: 3170000
 Relative Standard Error: 4.0
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033129	0.04247	20.0	2665864.0	1.28198	N
2	IC 200-167921/4	0.186349	0.198299	20.0	2611404.0	1.064131	Y
3	IC 200-167921/5	0.465872	0.463122	20.0	2658781.0	0.994097	Y
4	IC 200-167921/6	4.647598	5.114106	20.0	2444830.0	1.100376	Y
5	ICIS 200-167921/7	10.327996	11.046223	20.0	2511367.0	1.069542	Y
6	IC 200-167921/8	15.491994	16.592316	20.0	2625267.0	1.071025	Y
7	IC 200-167921/11	20.655992	21.780481	20.0	2741945.0	1.054439	Y
8	IC 200-167921/12	41.311983	46.894297	20.0	2837940.0	1.135126	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

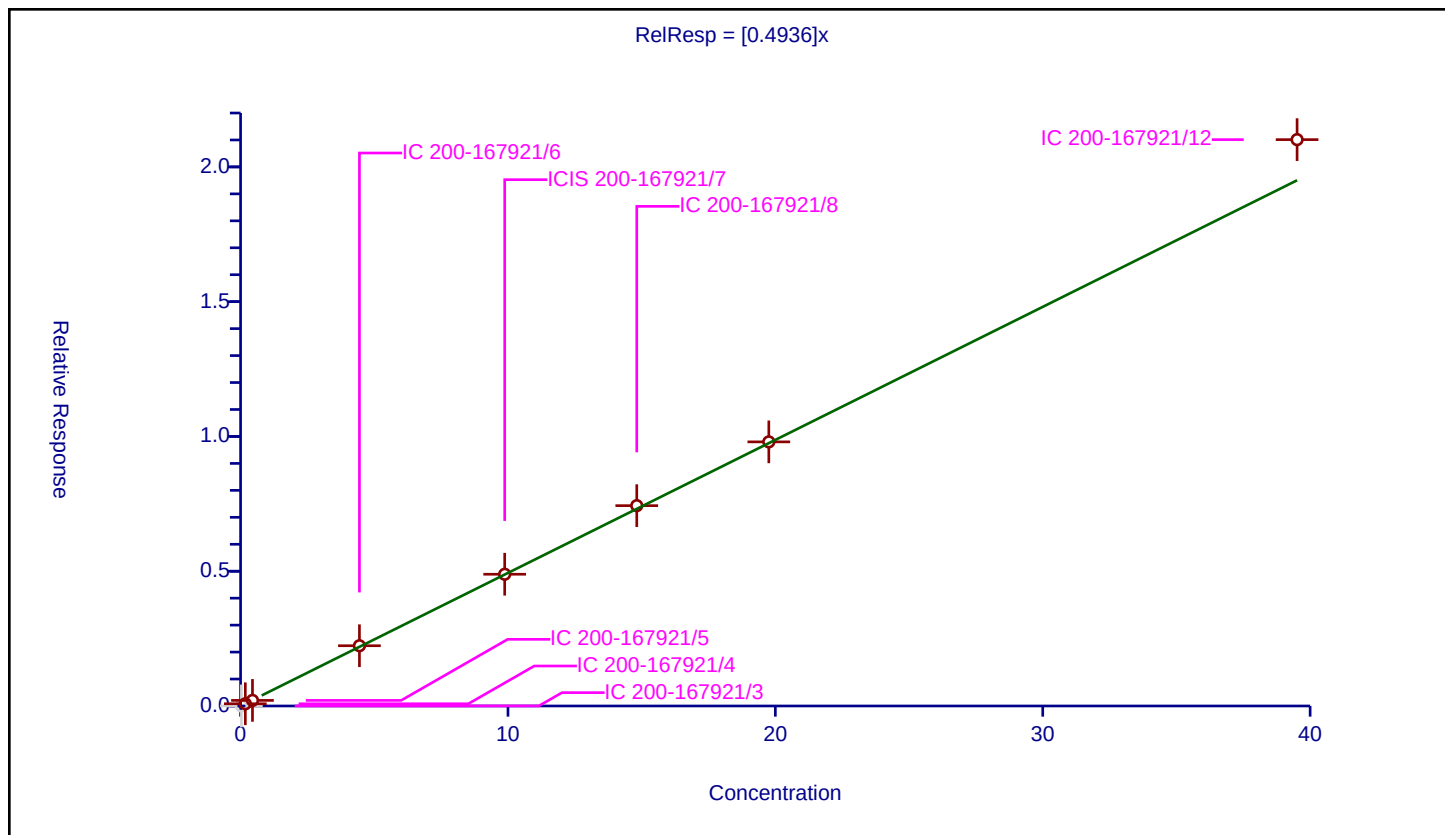
Curve Coefficients

Intercept: 0
 Slope: 0.4936

Error Coefficients

Standard Error: 1420000
 Relative Standard Error: 4.8
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.031686	0.002746	20.0	2665864.0	0.086659	N
2	IC 200-167921/4	0.178231	0.082438	20.0	2611404.0	0.462537	Y
3	IC 200-167921/5	0.445577	0.207448	20.0	2658781.0	0.465572	Y
4	IC 200-167921/6	4.445137	2.235305	20.0	2444830.0	0.502865	Y
5	ICIS 200-167921/7	9.878083	4.887529	20.0	2511367.0	0.494785	Y
6	IC 200-167921/8	14.817125	7.4326	20.0	2625267.0	0.501622	Y
7	IC 200-167921/11	19.756166	9.799555	20.0	2741945.0	0.496025	Y
8	IC 200-167921/12	39.512333	21.012819	20.0	2837940.0	0.531804	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

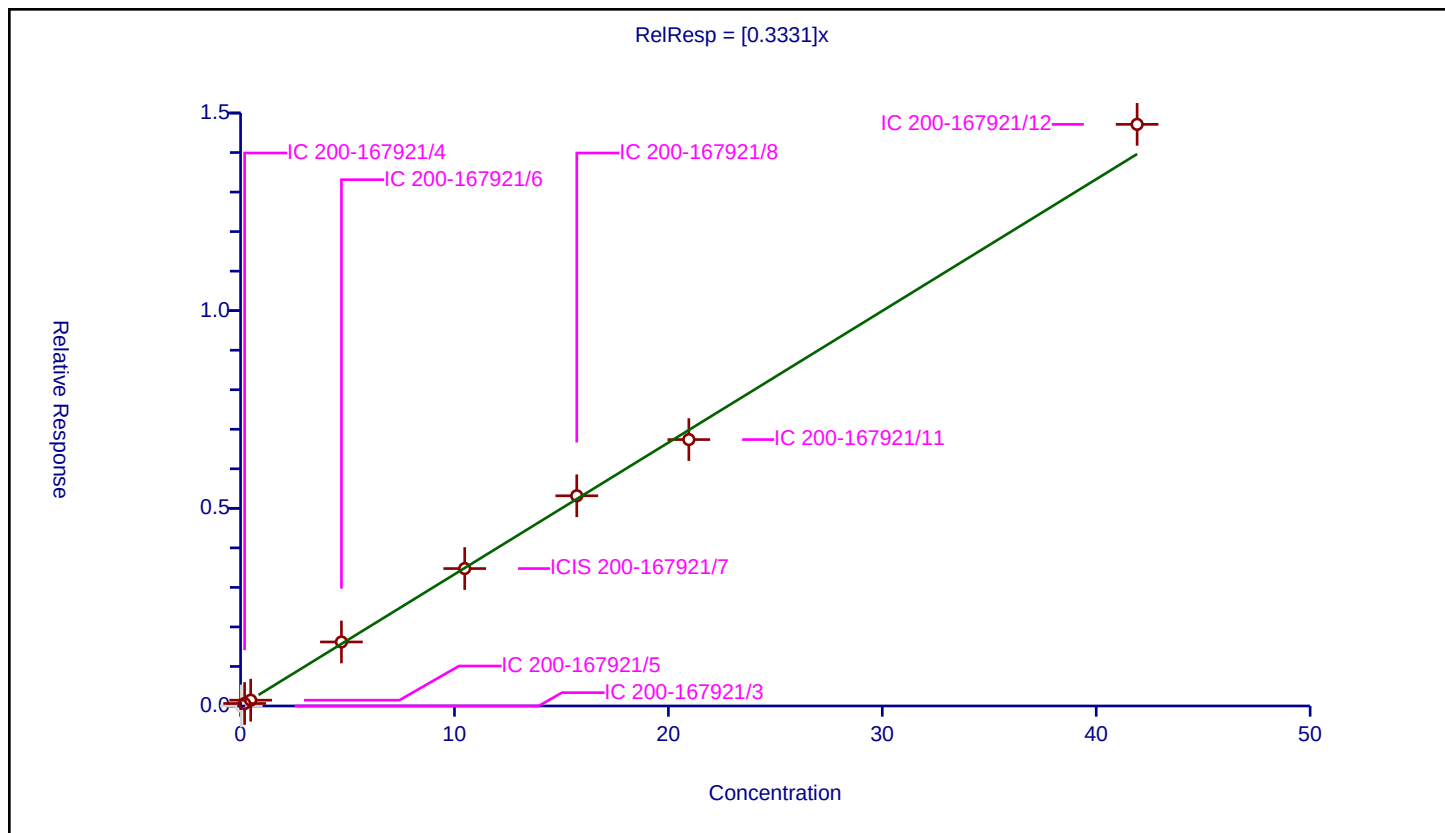
Curve Coefficients

Intercept: 0
 Slope: 0.3331

Error Coefficients

Standard Error: 913000
 Relative Standard Error: 4.0
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03361	0.0	20.0	2698638.0	0.0	N
2	IC 200-167921/4	0.189055	0.0633	20.0	2375680.0	0.334823	Y
3	IC 200-167921/5	0.472637	0.147001	20.0	2535363.0	0.311022	Y
4	IC 200-167921/6	4.715085	1.618971	20.0	2227674.0	0.34336	Y
5	ICIS 200-167921/7	10.477967	3.476408	20.0	2276384.0	0.331783	Y
6	IC 200-167921/8	15.71695	5.317323	20.0	2374300.0	0.338318	Y
7	IC 200-167921/11	20.955934	6.73912	20.0	2558245.0	0.321585	Y
8	IC 200-167921/12	41.911867	14.71311	20.0	2604257.0	0.351049	Y



Calibration

/ Tetrachloroethene

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

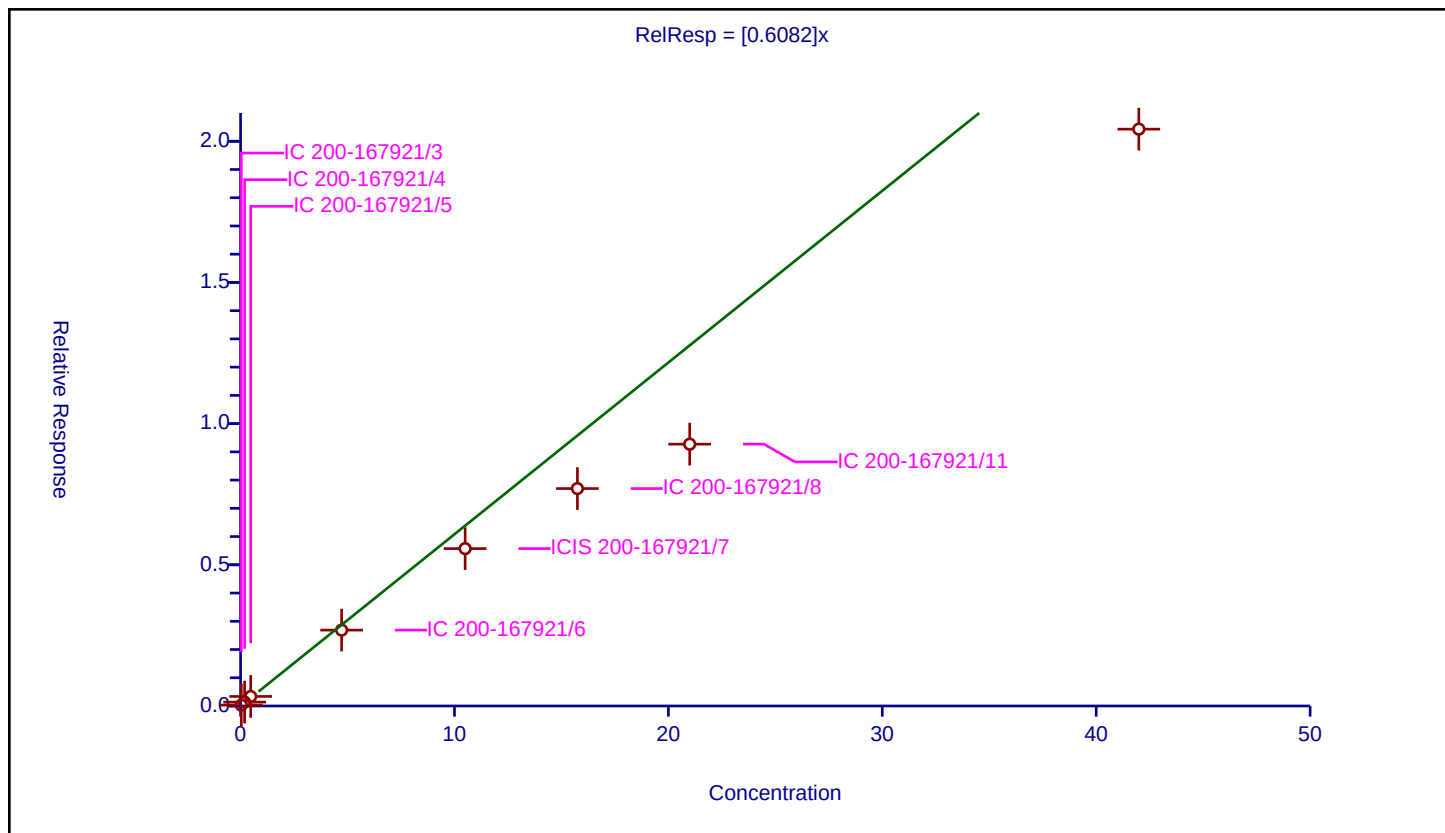
Curve Coefficients

Intercept: 0
 Slope: 0.6082

Error Coefficients

Standard Error: 1180000
 Relative Standard Error: 26.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.909

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033674	0.030608	20.0	2698638.0	0.908955	Y
2	IC 200-167921/4	0.189415	0.137704	20.0	2375680.0	0.726993	Y
3	IC 200-167921/5	0.473539	0.33749	20.0	2535363.0	0.712698	Y
4	IC 200-167921/6	4.724083	2.687171	20.0	2227674.0	0.568824	Y
5	ICIS 200-167921/7	10.497963	5.573058	20.0	2276384.0	0.53087	Y
6	IC 200-167921/8	15.746944	7.69965	20.0	2374300.0	0.488962	Y
7	IC 200-167921/11	20.995926	9.272067	20.0	2558245.0	0.441613	Y
8	IC 200-167921/12	41.991852	20.428406	20.0	2604257.0	0.486485	Y



Calibration

/ 2-Hexanone

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

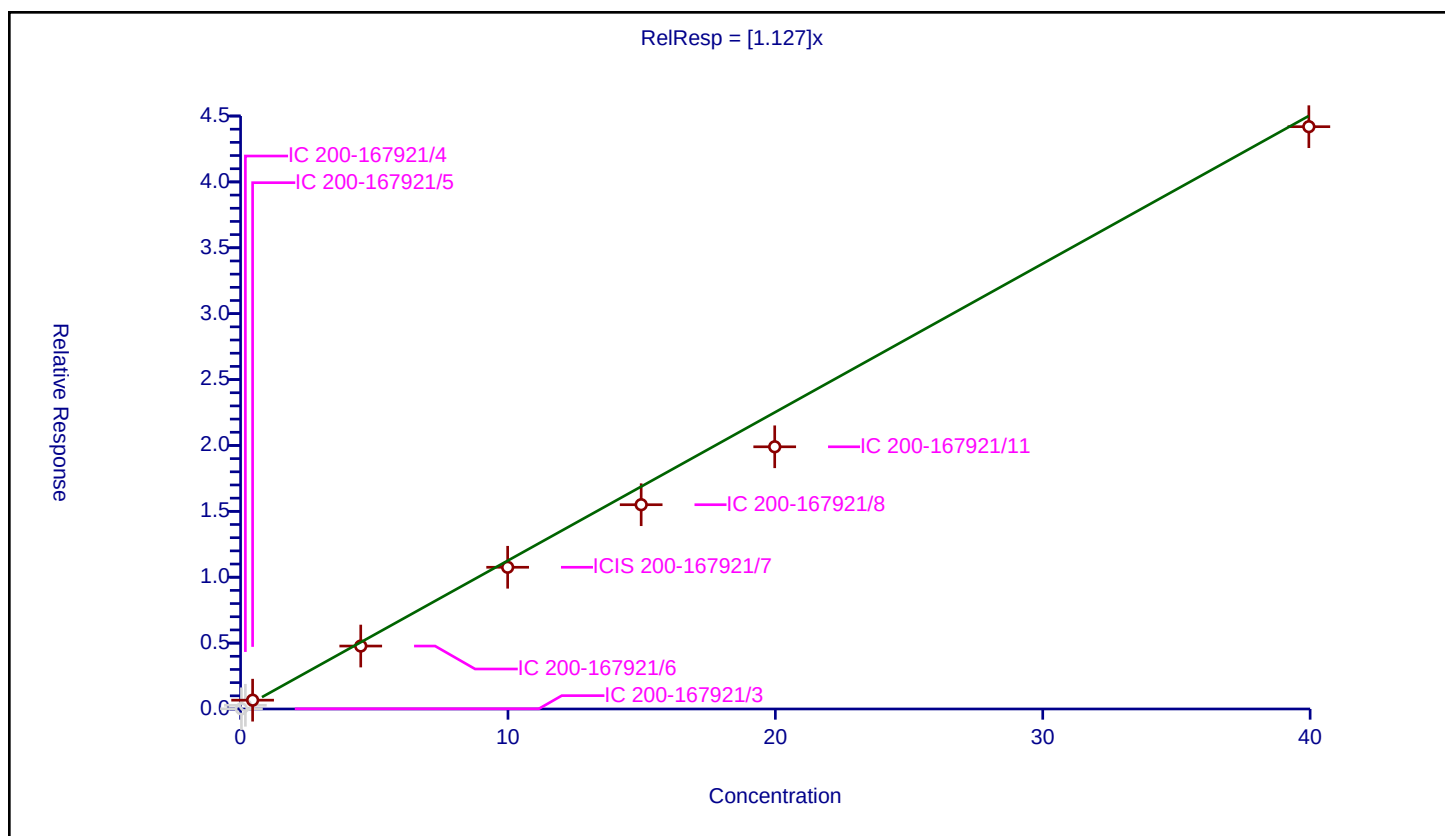
Curve Coefficients

Intercept: 0
Slope: 1.127

Error Coefficients

Standard Error: 2990000
Relative Standard Error: 15.9
Correlation Coefficient: 0.994
Coefficient of Determination (Adjusted): 0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032038	0.014822	20.0	2698638.0	0.462643	N
2	IC 200-167921/4	0.180215	0.28258	20.0	2375680.0	1.568014	N
3	IC 200-167921/5	0.450538	0.668188	20.0	2535363.0	1.483089	Y
4	IC 200-167921/6	4.494628	4.776228	20.0	2227674.0	1.062653	Y
5	ICIS 200-167921/7	9.988062	10.754539	20.0	2276384.0	1.076739	Y
6	IC 200-167921/8	14.982093	15.502733	20.0	2374300.0	1.034751	Y
7	IC 200-167921/11	19.976124	19.89732	20.0	2558245.0	0.996055	Y
8	IC 200-167921/12	39.952247	44.191145	20.0	2604257.0	1.106099	Y



Calibration

/ Chlorodibromomethane

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

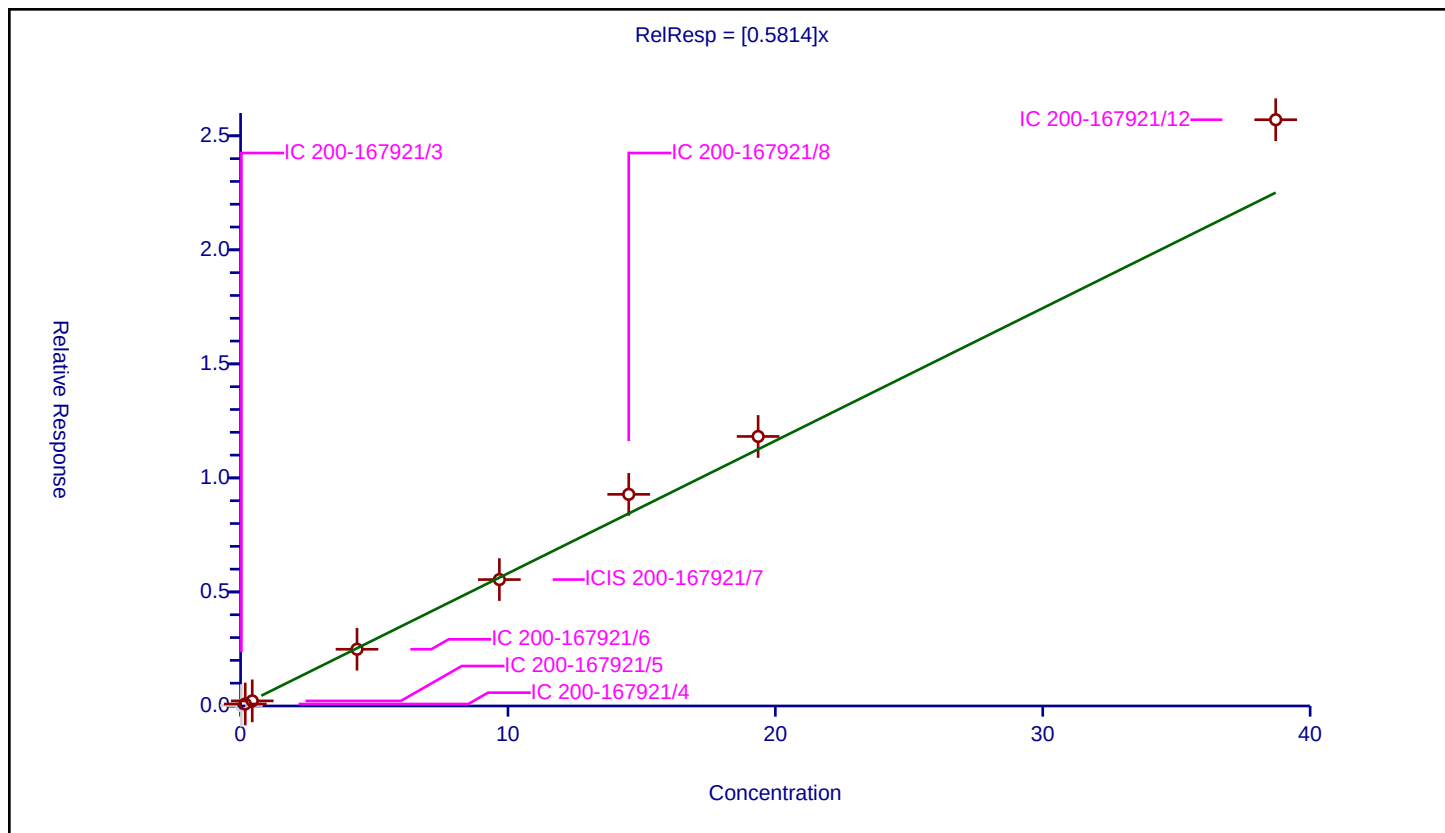
Curve Coefficients

Intercept: 0
 Slope: 0.5814

Error Coefficients

Standard Error: 1590000
 Relative Standard Error: 10.6
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.031044	0.020121	20.0	2698638.0	0.648151	N
2	IC 200-167921/4	0.174623	0.087386	20.0	2375680.0	0.500424	Y
3	IC 200-167921/5	0.436558	0.223471	20.0	2535363.0	0.511893	Y
4	IC 200-167921/6	4.355155	2.487994	20.0	2227674.0	0.571276	Y
5	ICIS 200-167921/7	9.678122	5.542316	20.0	2276384.0	0.572664	Y
6	IC 200-167921/8	14.517183	9.279594	20.0	2374300.0	0.639215	Y
7	IC 200-167921/11	19.356244	11.818094	20.0	2558245.0	0.610557	Y
8	IC 200-167921/12	38.712488	25.704967	20.0	2604257.0	0.663997	Y



Calibration

/ Ethylene Dibromide

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

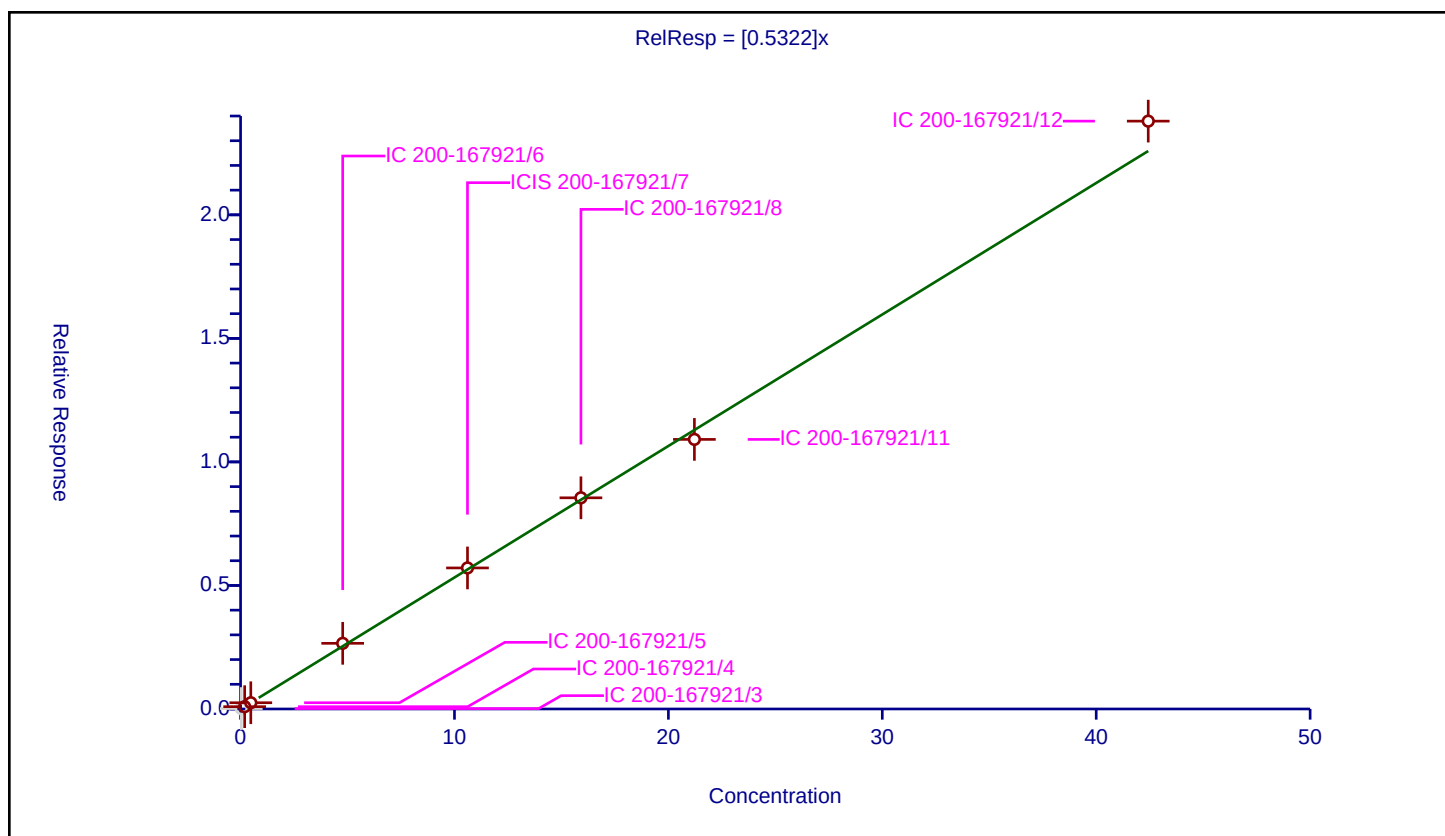
Curve Coefficients

Intercept: 0
Slope: 0.5322

Error Coefficients

Standard Error: 1480000
Relative Standard Error: 4.6
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.034027	0.016505	20.0	2698638.0	0.48505	N
2	IC 200-167921/4	0.1914	0.093834	20.0	2375680.0	0.490252	Y
3	IC 200-167921/5	0.4785	0.252737	20.0	2535363.0	0.528186	Y
4	IC 200-167921/6	4.773574	2.657409	20.0	2227674.0	0.556692	Y
5	ICIS 200-167921/7	10.607942	5.709221	20.0	2276384.0	0.538203	Y
6	IC 200-167921/8	15.911912	8.547631	20.0	2374300.0	0.537184	Y
7	IC 200-167921/11	21.215883	10.911504	20.0	2558245.0	0.514308	Y
8	IC 200-167921/12	42.431766	23.792636	20.0	2604257.0	0.560727	Y



Calibration

/ Chlorobenzene

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

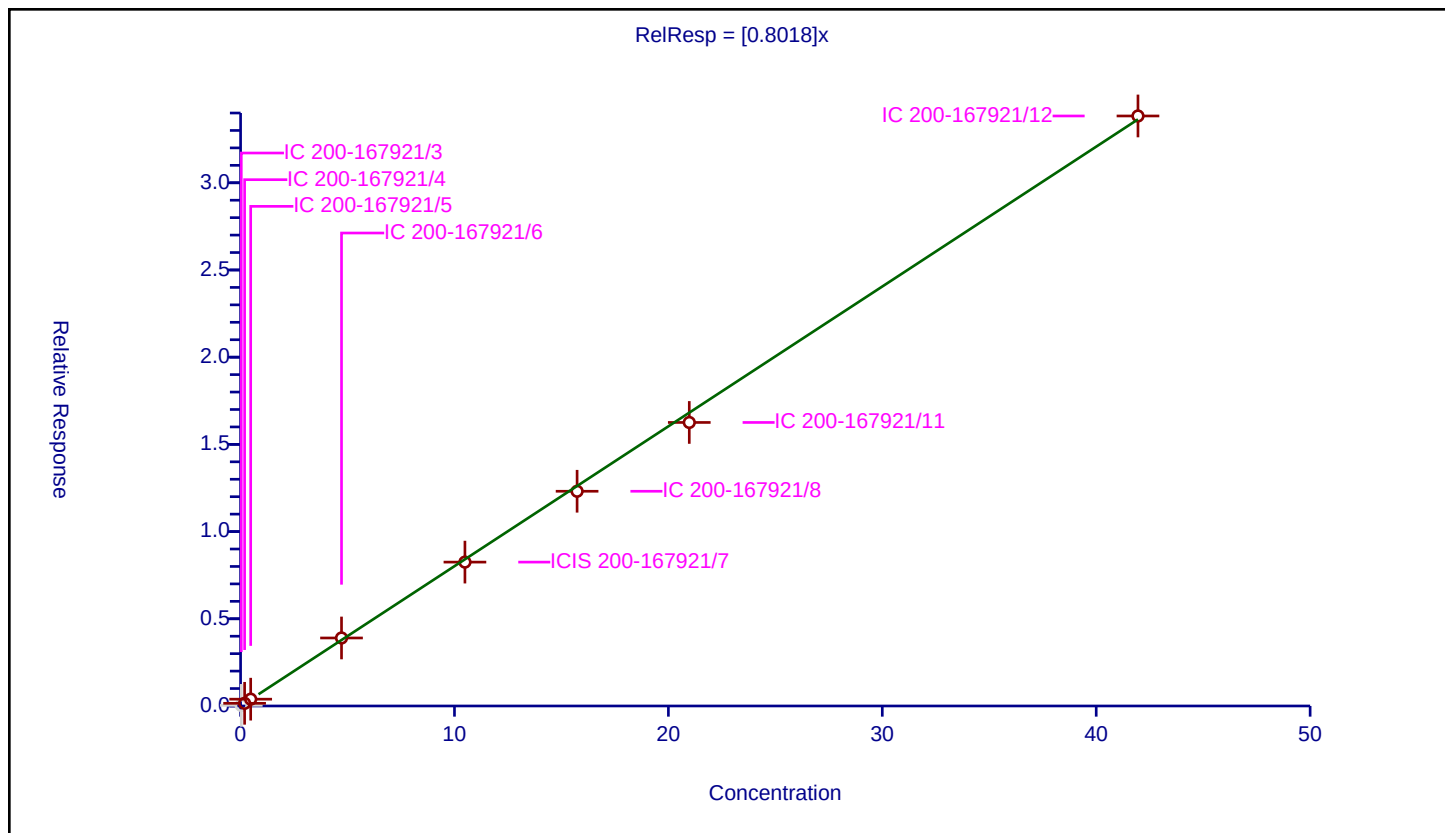
Curve Coefficients

Intercept: 0
 Slope: 0.8018

Error Coefficients

Standard Error: 2120000
 Relative Standard Error: 2.6
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033642	0.036063	20.0	2698638.0	1.071959	N
2	IC 200-167921/4	0.189235	0.153539	20.0	2375680.0	0.811367	Y
3	IC 200-167921/5	0.473088	0.389901	20.0	2535363.0	0.824162	Y
4	IC 200-167921/6	4.719584	3.899332	20.0	2227674.0	0.826202	Y
5	ICIS 200-167921/7	10.487965	8.250462	20.0	2276384.0	0.78666	Y
6	IC 200-167921/8	15.731947	12.312134	20.0	2374300.0	0.78262	Y
7	IC 200-167921/11	20.97593	16.256543	20.0	2558245.0	0.775009	Y
8	IC 200-167921/12	41.951859	33.831039	20.0	2604257.0	0.806425	Y



Calibration

/ Ethylbenzene

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

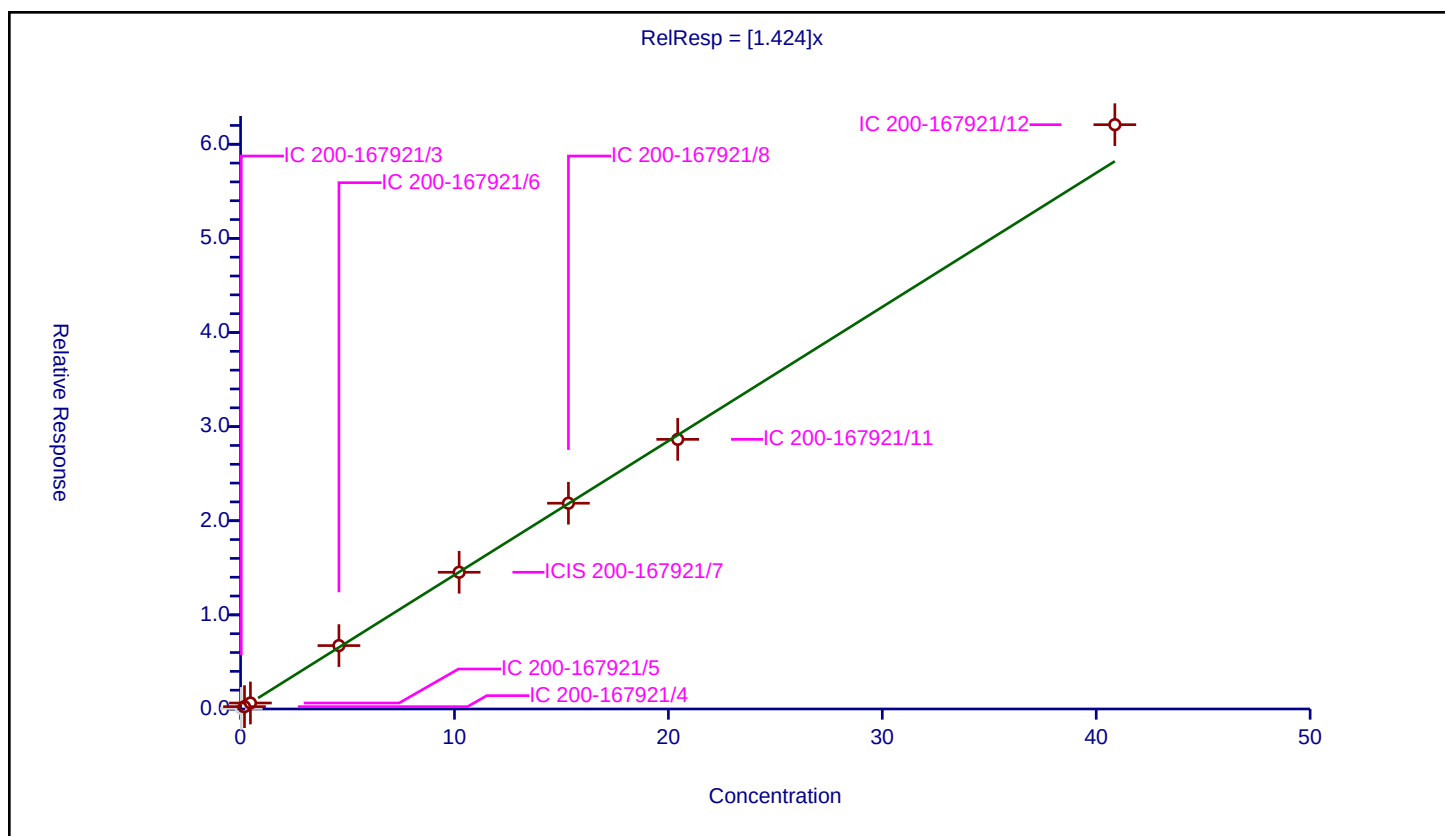
Curve Coefficients

Intercept: 0
Slope: 1.424

Error Coefficients

Standard Error: 3850000
Relative Standard Error: 3.9
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032776	0.059096	20.0	2698638.0	1.803047	N
2	IC 200-167921/4	0.184364	0.249899	20.0	2375680.0	1.355462	Y
3	IC 200-167921/5	0.460911	0.63501	20.0	2535363.0	1.377727	Y
4	IC 200-167921/6	4.598108	6.736443	20.0	2227674.0	1.465047	Y
5	ICIS 200-167921/7	10.218017	14.526574	20.0	2276384.0	1.421663	Y
6	IC 200-167921/8	15.327026	21.861273	20.0	2374300.0	1.426322	Y
7	IC 200-167921/11	20.436034	28.648241	20.0	2558245.0	1.401849	Y
8	IC 200-167921/12	40.872069	62.080593	20.0	2604257.0	1.5189	Y



Calibration

/ n-Nonane

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

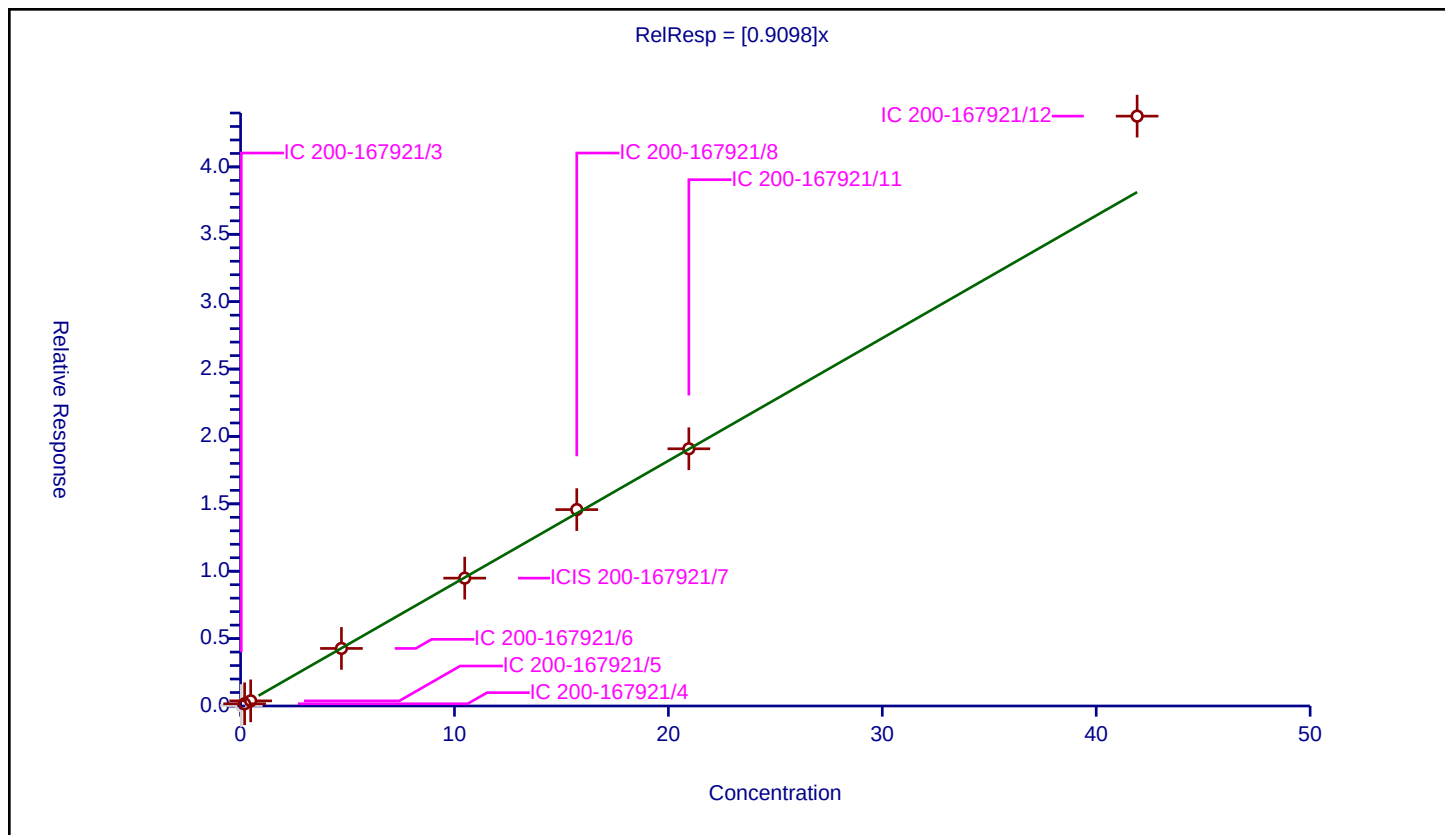
Curve Coefficients

Intercept: 0
 Slope: 0.9098

Error Coefficients

Standard Error: 2670000
 Relative Standard Error: 7.9
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03361	0.033572	20.0	2698638.0	0.998892	N
2	IC 200-167921/4	0.189055	0.164643	20.0	2375680.0	0.870877	Y
3	IC 200-167921/5	0.472637	0.380017	20.0	2535363.0	0.804035	Y
4	IC 200-167921/6	4.715085	4.271343	20.0	2227674.0	0.905889	Y
5	ICIS 200-167921/7	10.477967	9.486457	20.0	2276384.0	0.905372	Y
6	IC 200-167921/8	15.71695	14.571486	20.0	2374300.0	0.927119	Y
7	IC 200-167921/11	20.955934	19.085381	20.0	2558245.0	0.910739	Y
8	IC 200-167921/12	41.911867	43.768952	20.0	2604257.0	1.044309	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

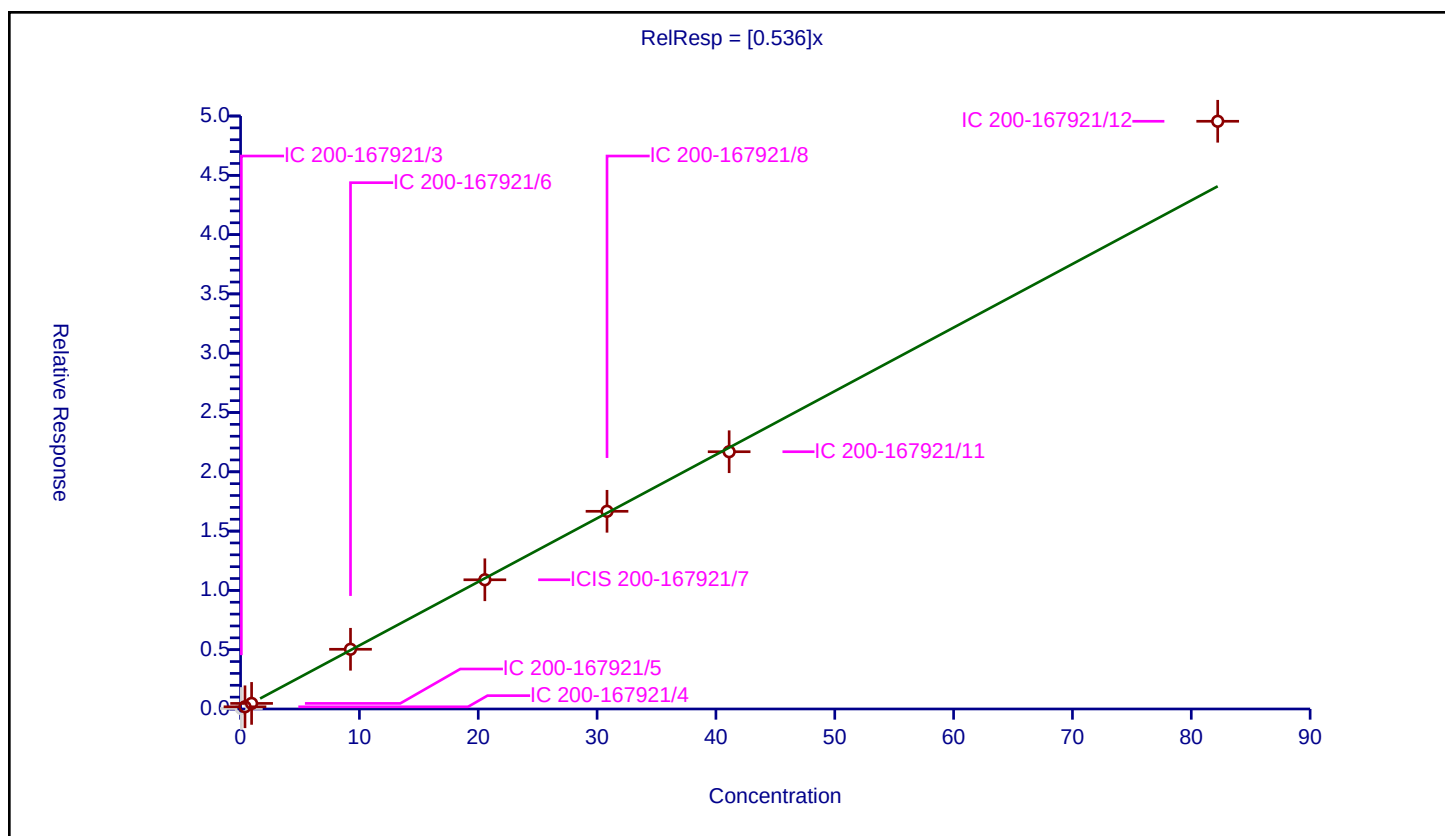
Curve Coefficients

Intercept: 0
Slope: 0.536

Error Coefficients

Standard Error: 3030000
Relative Standard Error: 6.3
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.065937	0.04237	20.0	2698638.0	0.642579	N
2	IC 200-167921/4	0.370894	0.184823	20.0	2375680.0	0.498318	Y
3	IC 200-167921/5	0.927234	0.471475	20.0	2535363.0	0.508475	Y
4	IC 200-167921/6	9.250205	5.035638	20.0	2227674.0	0.544381	Y
5	ICIS 200-167921/7	20.556011	10.895446	20.0	2276384.0	0.530037	Y
6	IC 200-167921/8	30.834017	16.669098	20.0	2374300.0	0.540607	Y
7	IC 200-167921/11	41.112022	21.692371	20.0	2558245.0	0.527641	Y
8	IC 200-167921/12	82.224044	49.556538	20.0	2604257.0	0.602701	Y



Calibration

/ o-Xylene

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

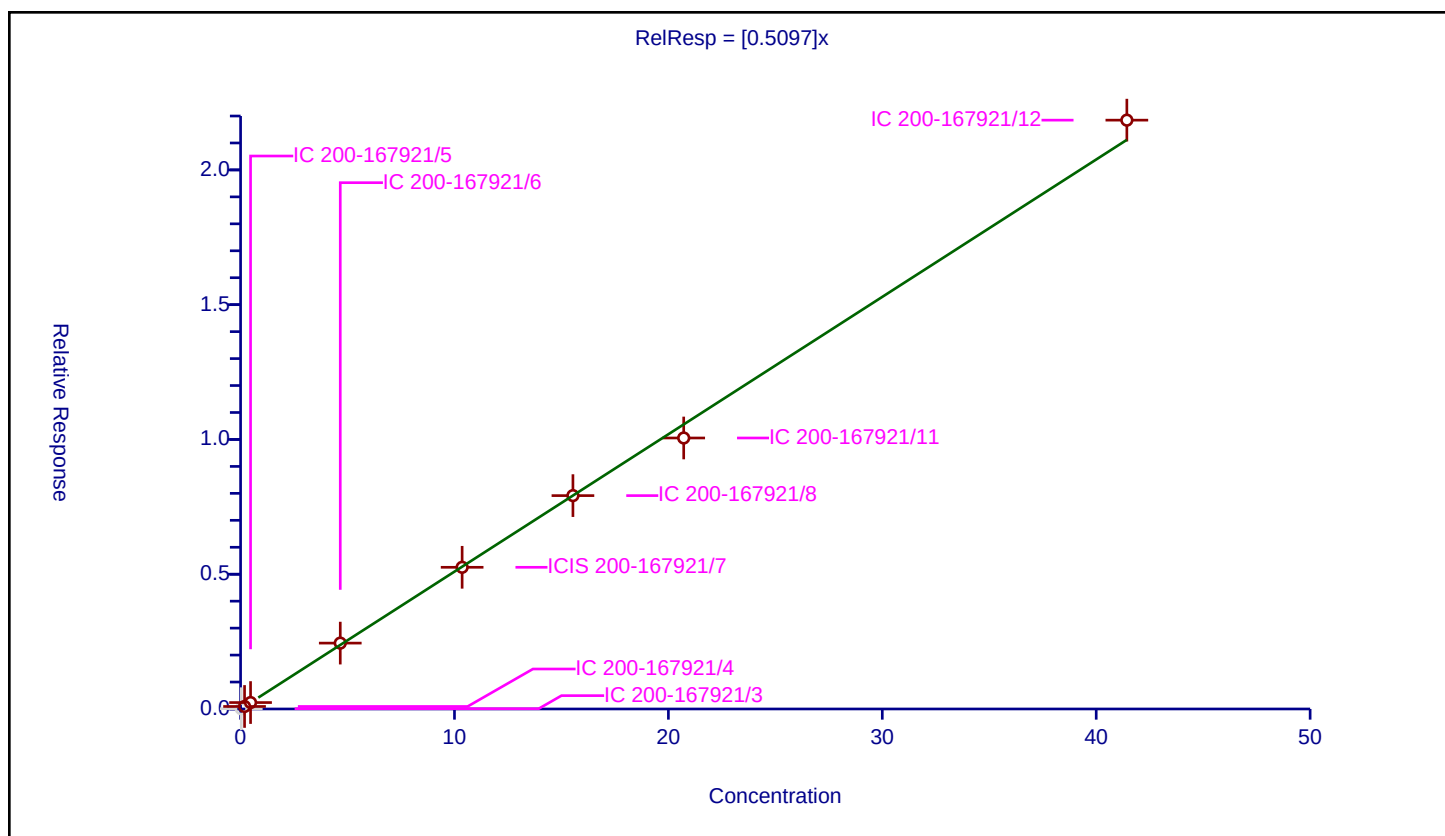
Curve Coefficients

Intercept: 0
Slope: 0.5097

Error Coefficients

Standard Error: 1360000
Relative Standard Error: 2.7
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033225	0.010079	20.0	2698638.0	0.303362	N
2	IC 200-167921/4	0.18689	0.093935	20.0	2375680.0	0.502623	Y
3	IC 200-167921/5	0.467225	0.238727	20.0	2535363.0	0.510947	Y
4	IC 200-167921/6	4.661096	2.444487	20.0	2227674.0	0.524445	Y
5	ICIS 200-167921/7	10.35799	5.256943	20.0	2276384.0	0.507525	Y
6	IC 200-167921/8	15.536985	7.916034	20.0	2374300.0	0.509496	Y
7	IC 200-167921/11	20.71598	10.054494	20.0	2558245.0	0.48535	Y
8	IC 200-167921/12	41.43196	21.846623	20.0	2604257.0	0.527289	Y



Calibration

/ Styrene

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

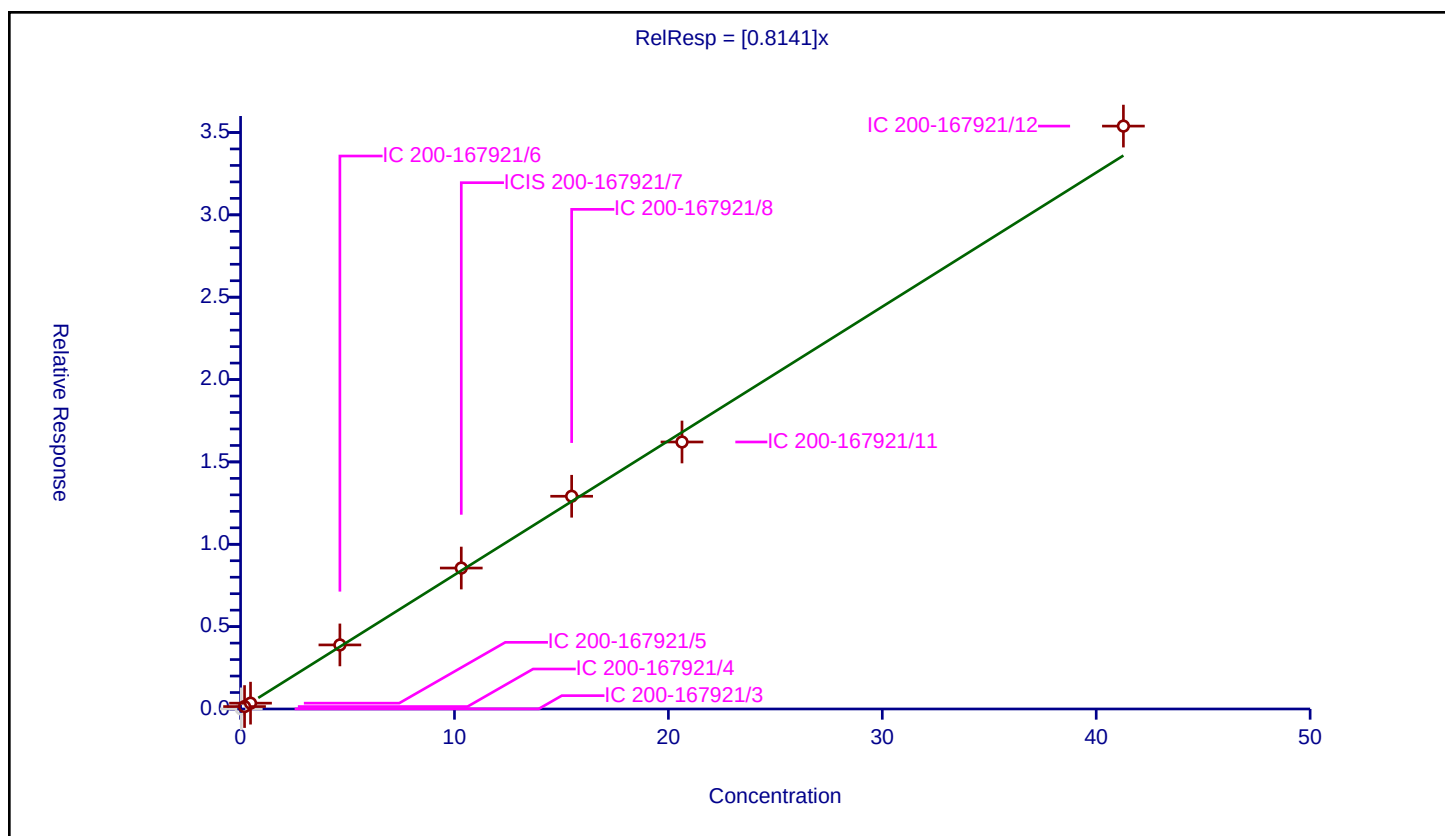
Curve Coefficients

Intercept: 0
 Slope: 0.8141

Error Coefficients

Standard Error: 2200000
 Relative Standard Error: 4.3
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033097	0.005773	20.0	2698638.0	0.174437	N
2	IC 200-167921/4	0.186168	0.147991	20.0	2375680.0	0.794933	Y
3	IC 200-167921/5	0.465421	0.353504	20.0	2535363.0	0.759535	Y
4	IC 200-167921/6	4.643099	3.88942	20.0	2227674.0	0.837678	Y
5	ICIS 200-167921/7	10.317998	8.556324	20.0	2276384.0	0.829262	Y
6	IC 200-167921/8	15.476997	12.91488	20.0	2374300.0	0.834456	Y
7	IC 200-167921/11	20.635996	16.2103	20.0	2558245.0	0.785535	Y
8	IC 200-167921/12	41.271991	35.387652	20.0	2604257.0	0.857425	Y



Calibration

/ Bromoform

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

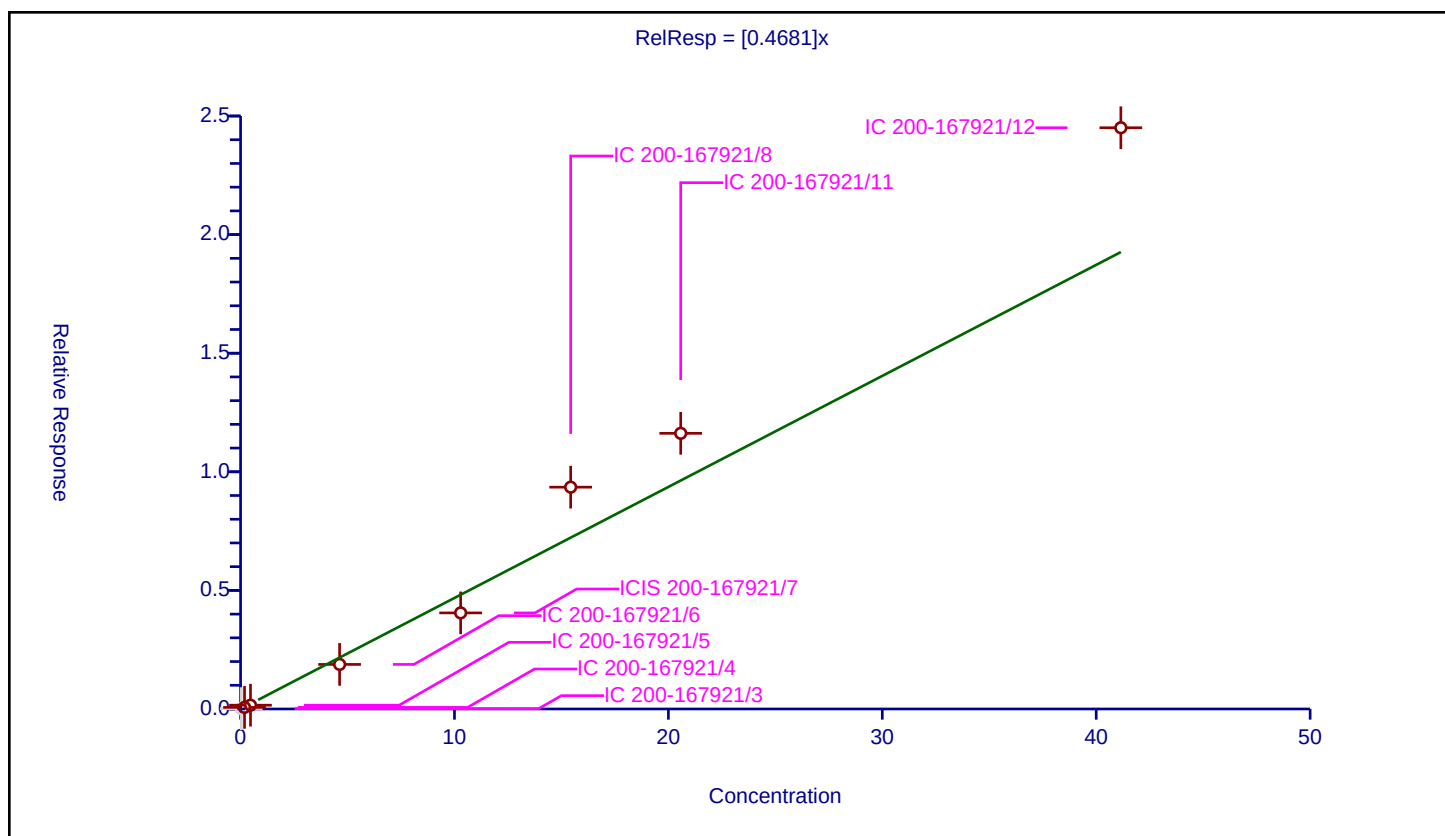
Curve Coefficients

Intercept: 0
Slope: 0.4681

Error Coefficients

Standard Error: 1520000
Relative Standard Error: 24.6
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.941

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033	0.013644	20.0	2698638.0	0.413447	N
2	IC 200-167921/4	0.185627	0.067871	20.0	2375680.0	0.365631	Y
3	IC 200-167921/5	0.464068	0.160151	20.0	2535363.0	0.345102	Y
4	IC 200-167921/6	4.629602	1.879341	20.0	2227674.0	0.40594	Y
5	ICIS 200-167921/7	10.288004	4.050819	20.0	2276384.0	0.393742	Y
6	IC 200-167921/8	15.432005	9.351876	20.0	2374300.0	0.606005	Y
7	IC 200-167921/11	20.576007	11.621709	20.0	2558245.0	0.564818	Y
8	IC 200-167921/12	41.152014	24.505469	20.0	2604257.0	0.595487	Y



Calibration

/ Isopropylbenzene

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

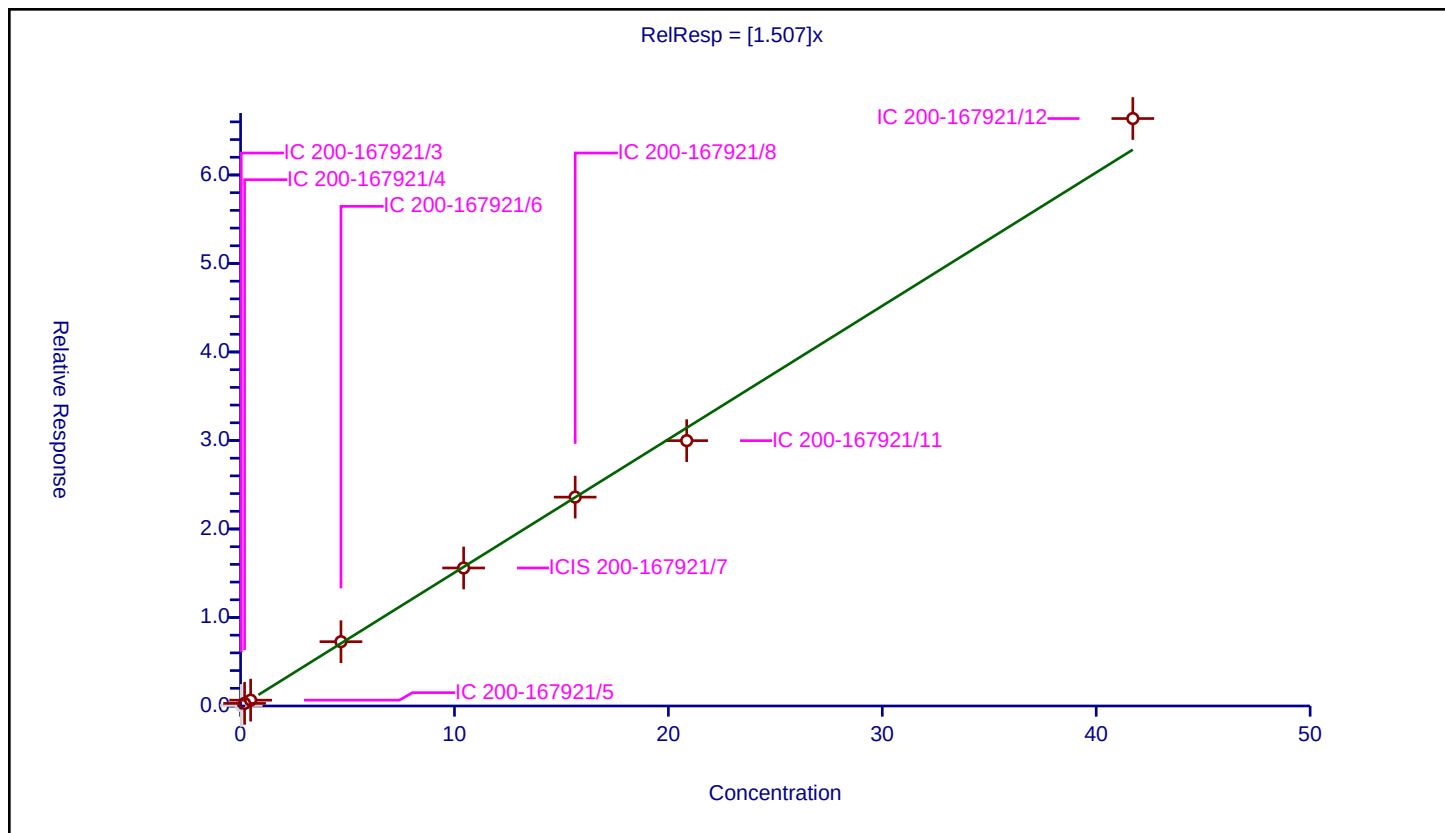
Curve Coefficients

Intercept: 0
 Slope: 1.507

Error Coefficients

Standard Error: 4100000
 Relative Standard Error: 4.6
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033449	0.05794	20.0	2698638.0	1.73218	N
2	IC 200-167921/4	0.188153	0.294594	20.0	2375680.0	1.565715	Y
3	IC 200-167921/5	0.470382	0.659511	20.0	2535363.0	1.402076	Y
4	IC 200-167921/6	4.692589	7.265964	20.0	2227674.0	1.548391	Y
5	ICIS 200-167921/7	10.427976	15.594654	20.0	2276384.0	1.495463	Y
6	IC 200-167921/8	15.641965	23.599031	20.0	2374300.0	1.5087	Y
7	IC 200-167921/11	20.855953	29.981257	20.0	2558245.0	1.43754	Y
8	IC 200-167921/12	41.711906	66.377412	20.0	2604257.0	1.59133	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

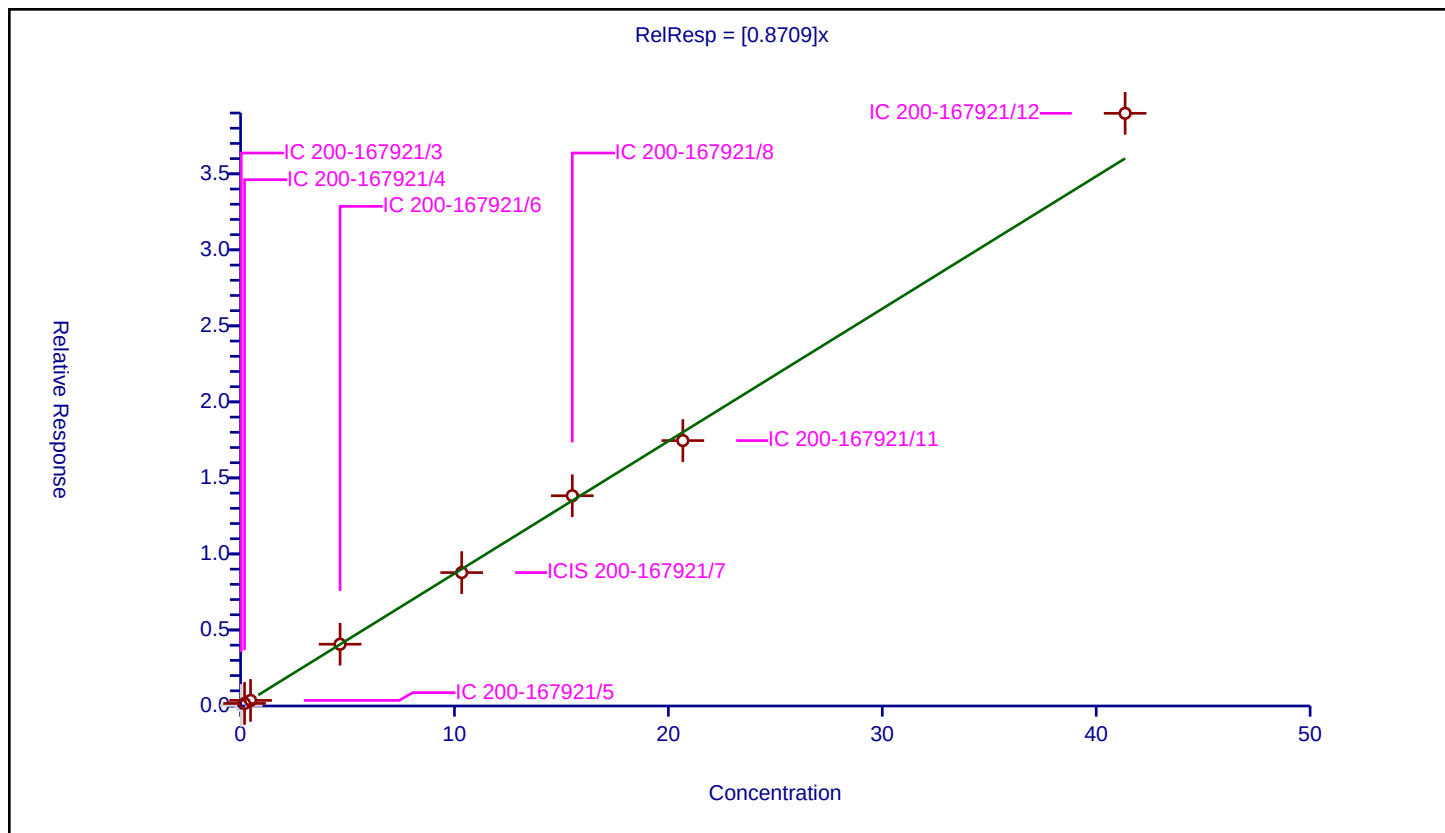
Curve Coefficients

Intercept: 0
 Slope: 0.8709

Error Coefficients

Standard Error: 2400000
 Relative Standard Error: 5.7
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033161	0.034625	20.0	2698638.0	1.044153	N
2	IC 200-167921/4	0.186529	0.169299	20.0	2375680.0	0.907627	Y
3	IC 200-167921/5	0.466323	0.367513	20.0	2535363.0	0.788109	Y
4	IC 200-167921/6	4.652097	4.062758	20.0	2227674.0	0.873317	Y
5	ICIS 200-167921/7	10.337994	8.773801	20.0	2276384.0	0.848695	Y
6	IC 200-167921/8	15.506991	13.82768	20.0	2374300.0	0.891706	Y
7	IC 200-167921/11	20.675988	17.456084	20.0	2558245.0	0.844268	Y
8	IC 200-167921/12	41.351976	38.980584	20.0	2604257.0	0.942653	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

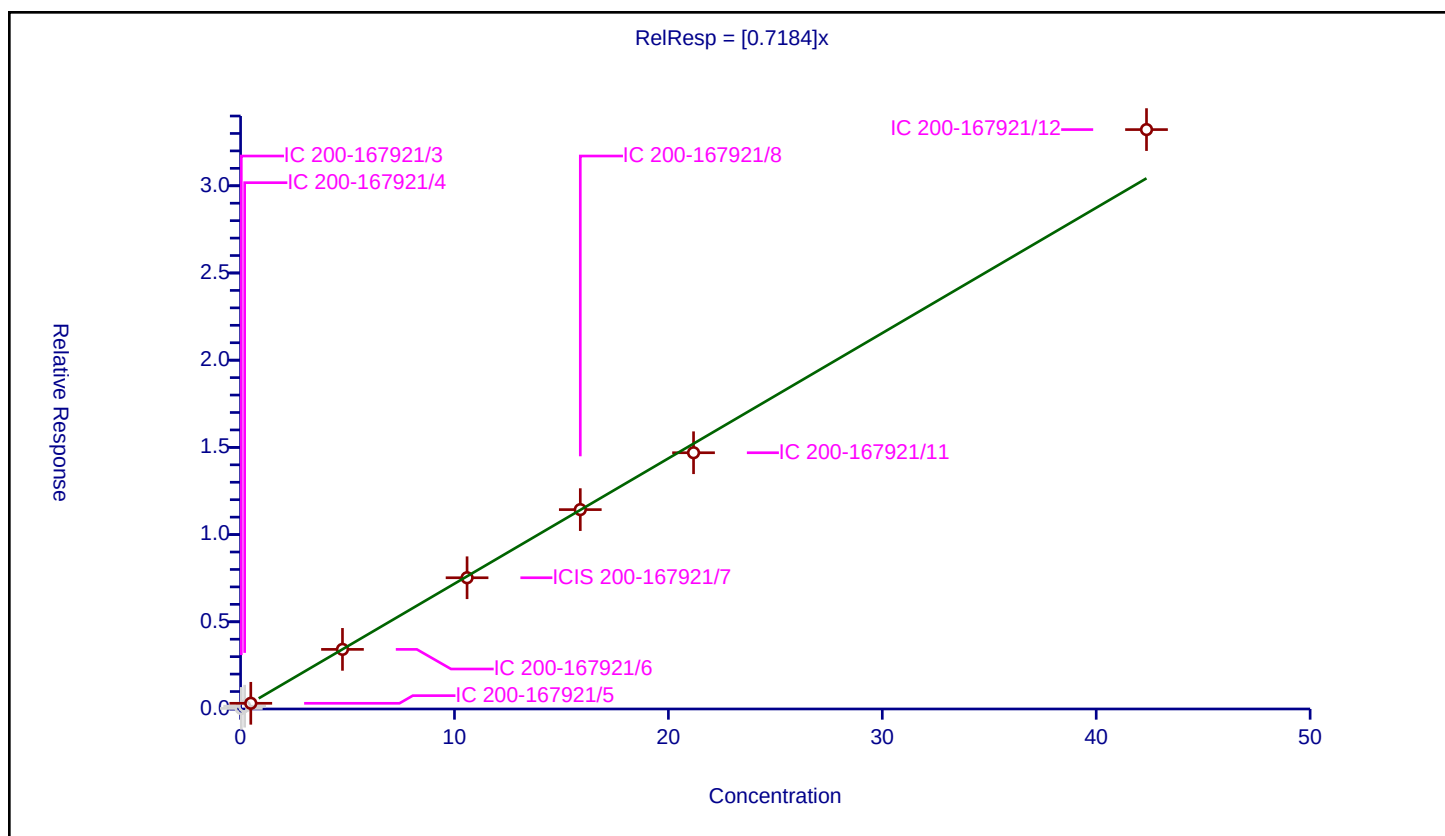
Curve Coefficients

Intercept: 0
 Slope: 0.7184

Error Coefficients

Standard Error: 2230000
 Relative Standard Error: 4.9
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033962	0.033291	20.0	2698638.0	0.980224	N
2	IC 200-167921/4	0.191039	0.159415	20.0	2375680.0	0.834465	N
3	IC 200-167921/5	0.477598	0.326912	20.0	2535363.0	0.684492	Y
4	IC 200-167921/6	4.764575	3.417744	20.0	2227674.0	0.717324	Y
5	ICIS 200-167921/7	10.587945	7.525602	20.0	2276384.0	0.710771	Y
6	IC 200-167921/8	15.881918	11.431824	20.0	2374300.0	0.719801	Y
7	IC 200-167921/11	21.175891	14.693714	20.0	2558245.0	0.693889	Y
8	IC 200-167921/12	42.351782	33.22133	20.0	2604257.0	0.784414	Y



Calibration

/ N-Propylbenzene

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

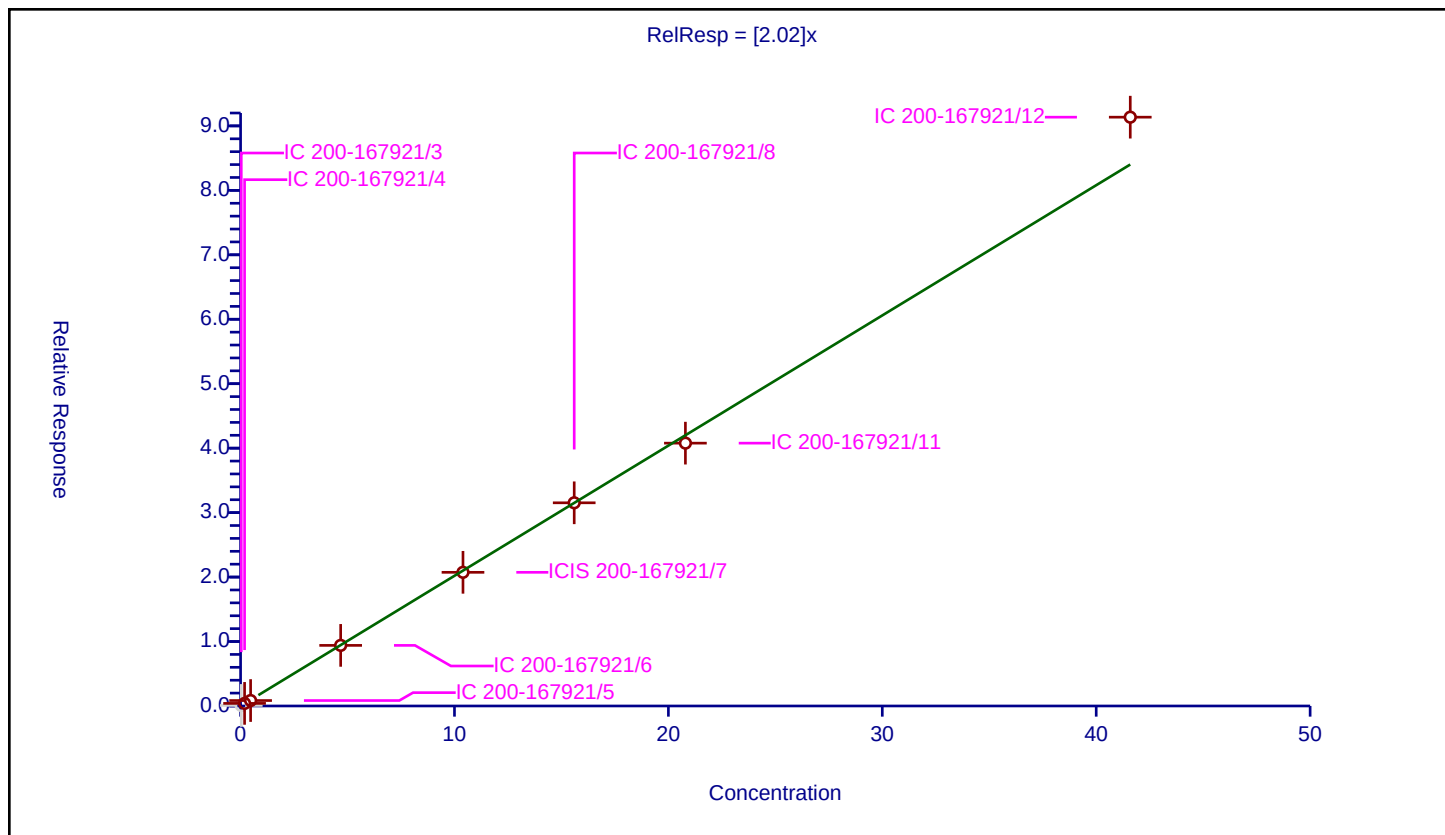
Curve Coefficients

Intercept: 0
Slope: 2.02

Error Coefficients

Standard Error: 5620000
Relative Standard Error: 6.3
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033353	0.083235	20.0	2698638.0	2.495553	N
2	IC 200-167921/4	0.187612	0.403312	20.0	2375680.0	2.149718	Y
3	IC 200-167921/5	0.469029	0.847374	20.0	2535363.0	1.806656	Y
4	IC 200-167921/6	4.679092	9.403117	20.0	2227674.0	2.009603	Y
5	ICIS 200-167921/7	10.397982	20.740271	20.0	2276384.0	1.994644	Y
6	IC 200-167921/8	15.596973	31.52284	20.0	2374300.0	2.021087	Y
7	IC 200-167921/11	20.795965	40.781286	20.0	2558245.0	1.961019	Y
8	IC 200-167921/12	41.591929	91.353672	20.0	2604257.0	2.196428	Y



Calibration

/ 2-Chlorotoluene

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

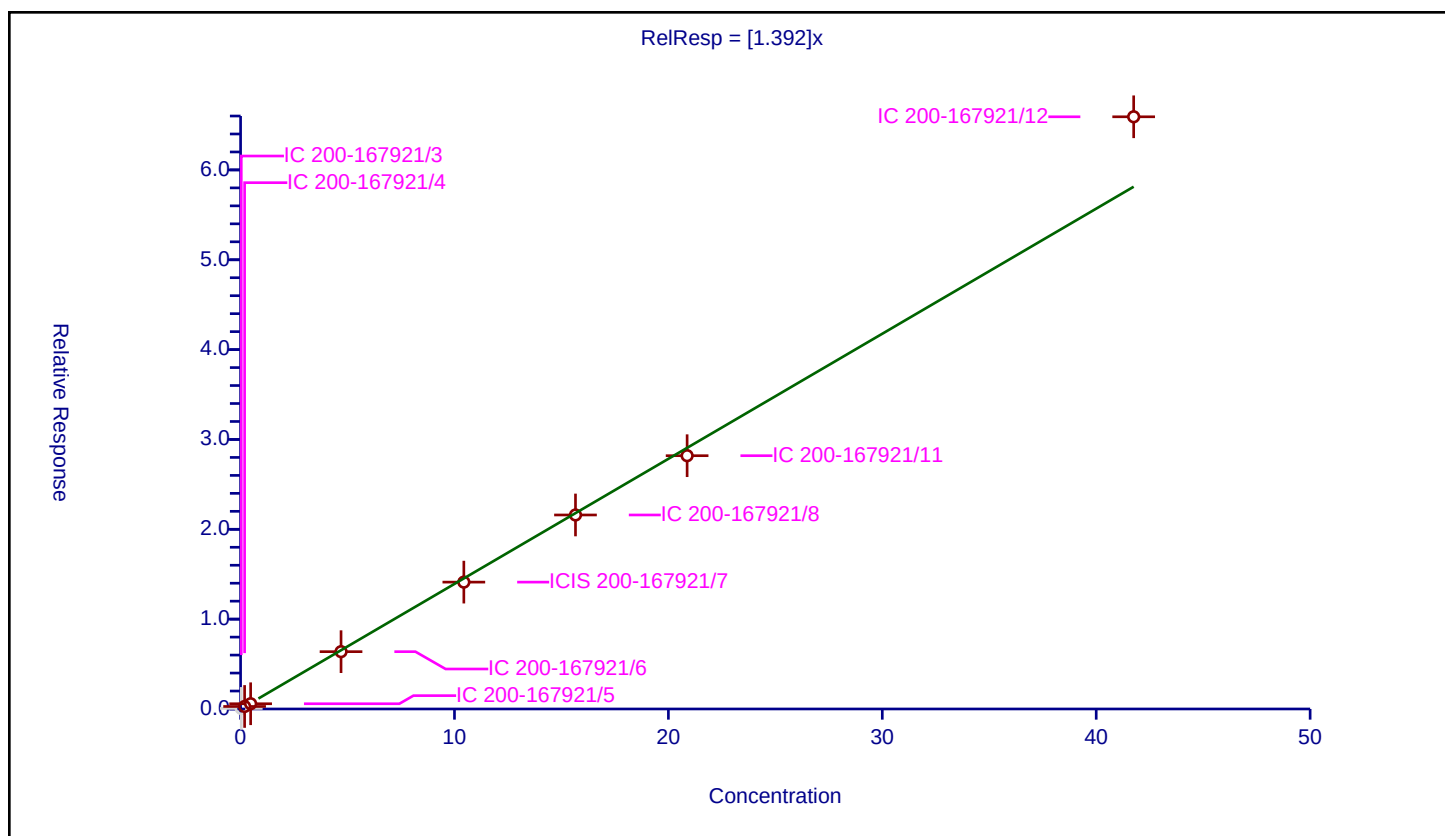
Curve Coefficients

Intercept: 0
 Slope: 1.392

Error Coefficients

Standard Error: 4010000
 Relative Standard Error: 7.8
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033481	0.064136	20.0	2698638.0	1.91557	N
2	IC 200-167921/4	0.188333	0.279743	20.0	2375680.0	1.485363	Y
3	IC 200-167921/5	0.470833	0.584185	20.0	2535363.0	1.240748	Y
4	IC 200-167921/6	4.697089	6.381257	20.0	2227674.0	1.358556	Y
5	ICIS 200-167921/7	10.437975	14.11956	20.0	2276384.0	1.352711	Y
6	IC 200-167921/8	15.656962	21.59332	20.0	2374300.0	1.379151	Y
7	IC 200-167921/11	20.875949	28.193156	20.0	2558245.0	1.350509	Y
8	IC 200-167921/12	41.751898	65.915084	20.0	2604257.0	1.578733	Y



Calibration

/ 4-Ethyltoluene

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

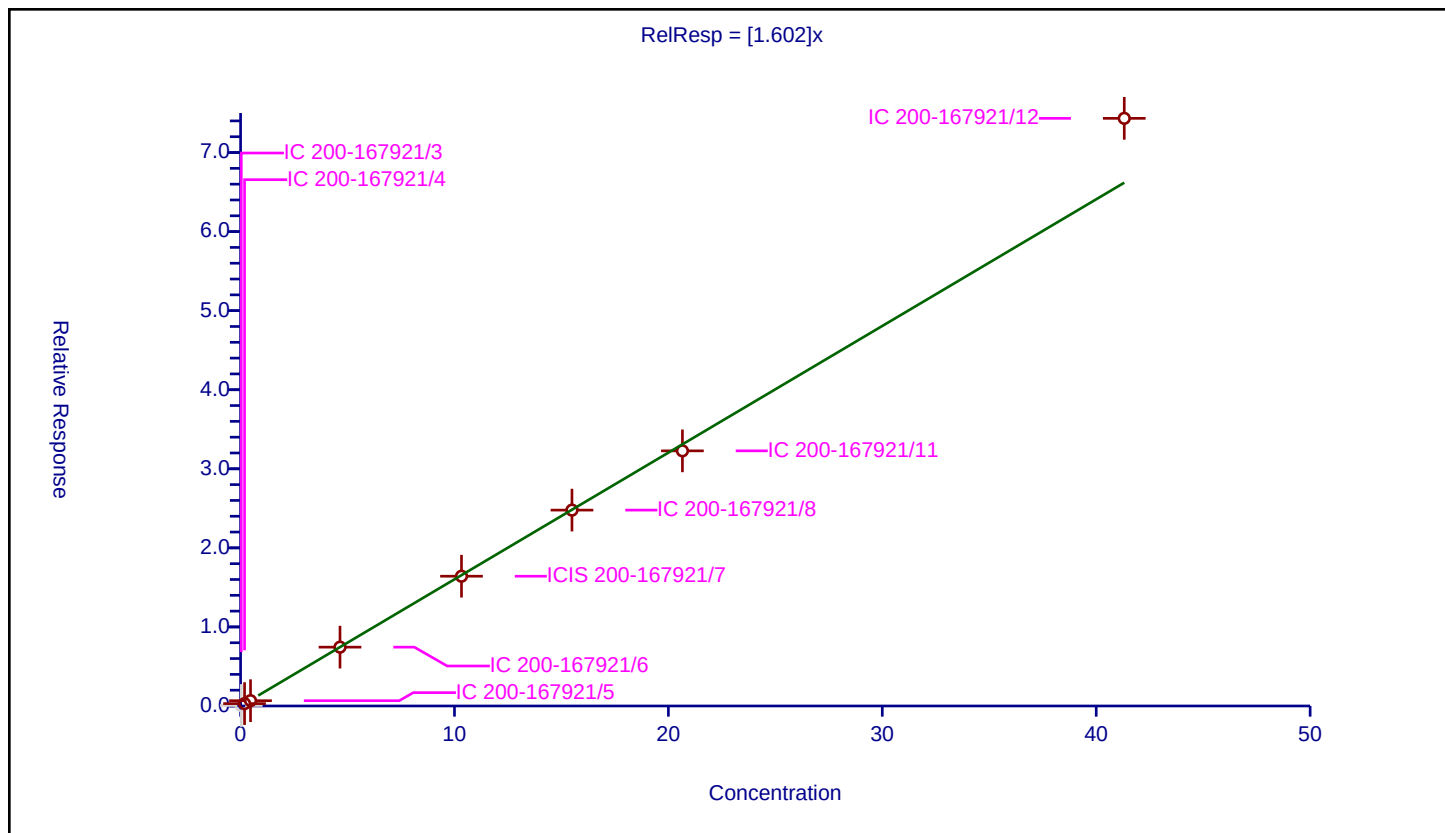
Curve Coefficients

Intercept: 0
Slope: 1.602

Error Coefficients

Standard Error: 4540000
Relative Standard Error: 6.6
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033129	0.063047	20.0	2698638.0	1.903083	N
2	IC 200-167921/4	0.186349	0.302675	20.0	2375680.0	1.624242	Y
3	IC 200-167921/5	0.465872	0.67087	20.0	2535363.0	1.440032	Y
4	IC 200-167921/6	4.647598	7.442022	20.0	2227674.0	1.601262	Y
5	ICIS 200-167921/7	10.327996	16.413013	20.0	2276384.0	1.589177	Y
6	IC 200-167921/8	15.491994	24.77478	20.0	2374300.0	1.599199	Y
7	IC 200-167921/11	20.655992	32.26938	20.0	2558245.0	1.562229	Y
8	IC 200-167921/12	41.311983	74.326459	20.0	2604257.0	1.79915	Y



Calibration

/ n-Decane

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

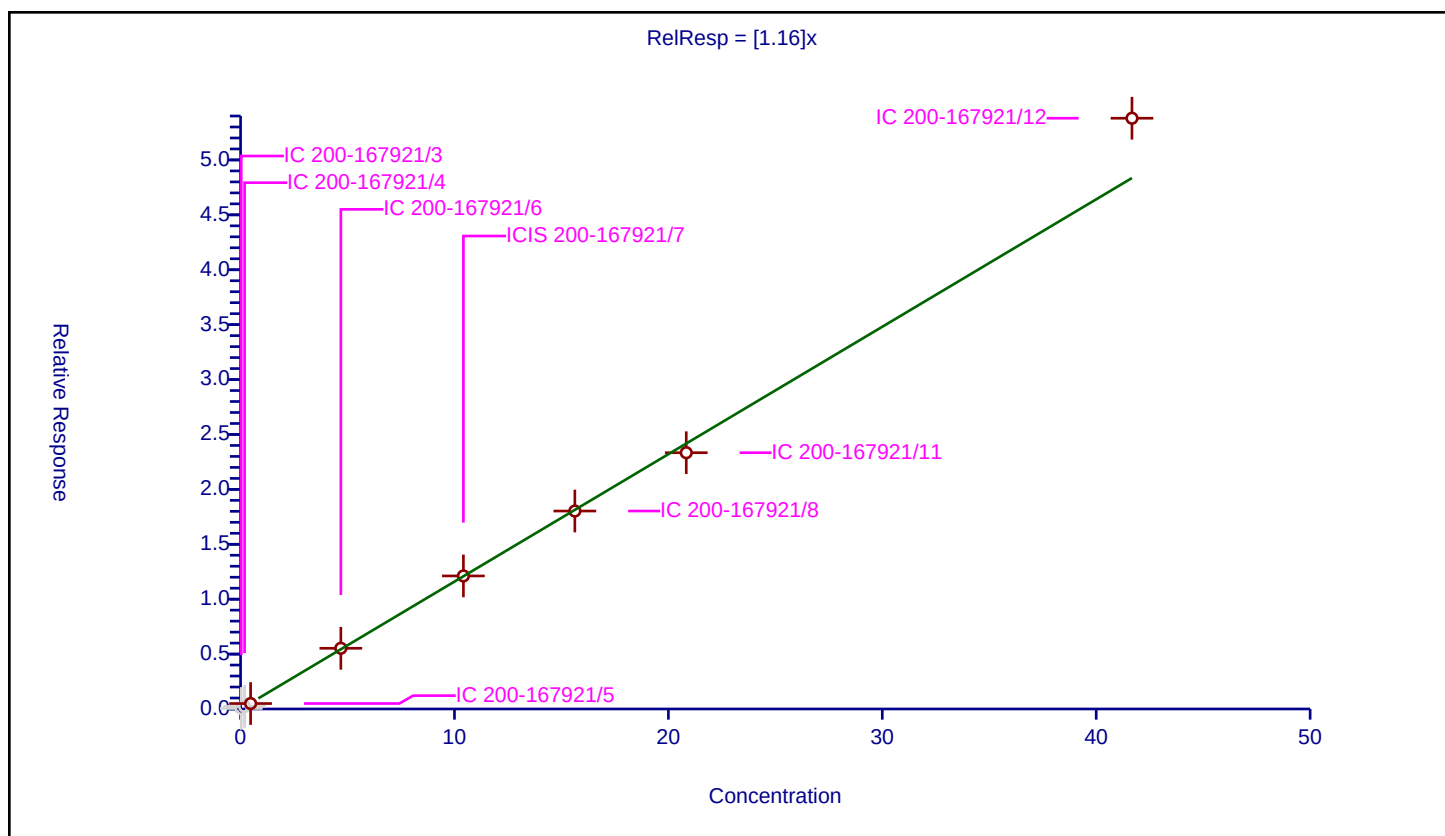
Curve Coefficients

Intercept: 0
Slope: 1.16

Error Coefficients

Standard Error: 3600000
Relative Standard Error: 6.7
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033417	0.047209	20.0	2698638.0	1.412711	N
2	IC 200-167921/4	0.187972	0.230907	20.0	2375680.0	1.228407	N
3	IC 200-167921/5	0.469931	0.495708	20.0	2535363.0	1.054853	Y
4	IC 200-167921/6	4.68809	5.528762	20.0	2227674.0	1.179321	Y
5	ICIS 200-167921/7	10.417978	12.115627	20.0	2276384.0	1.162954	Y
6	IC 200-167921/8	15.626968	18.026391	20.0	2374300.0	1.153544	Y
7	IC 200-167921/11	20.835957	23.339469	20.0	2558245.0	1.120153	Y
8	IC 200-167921/12	41.671914	53.797686	20.0	2604257.0	1.290982	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

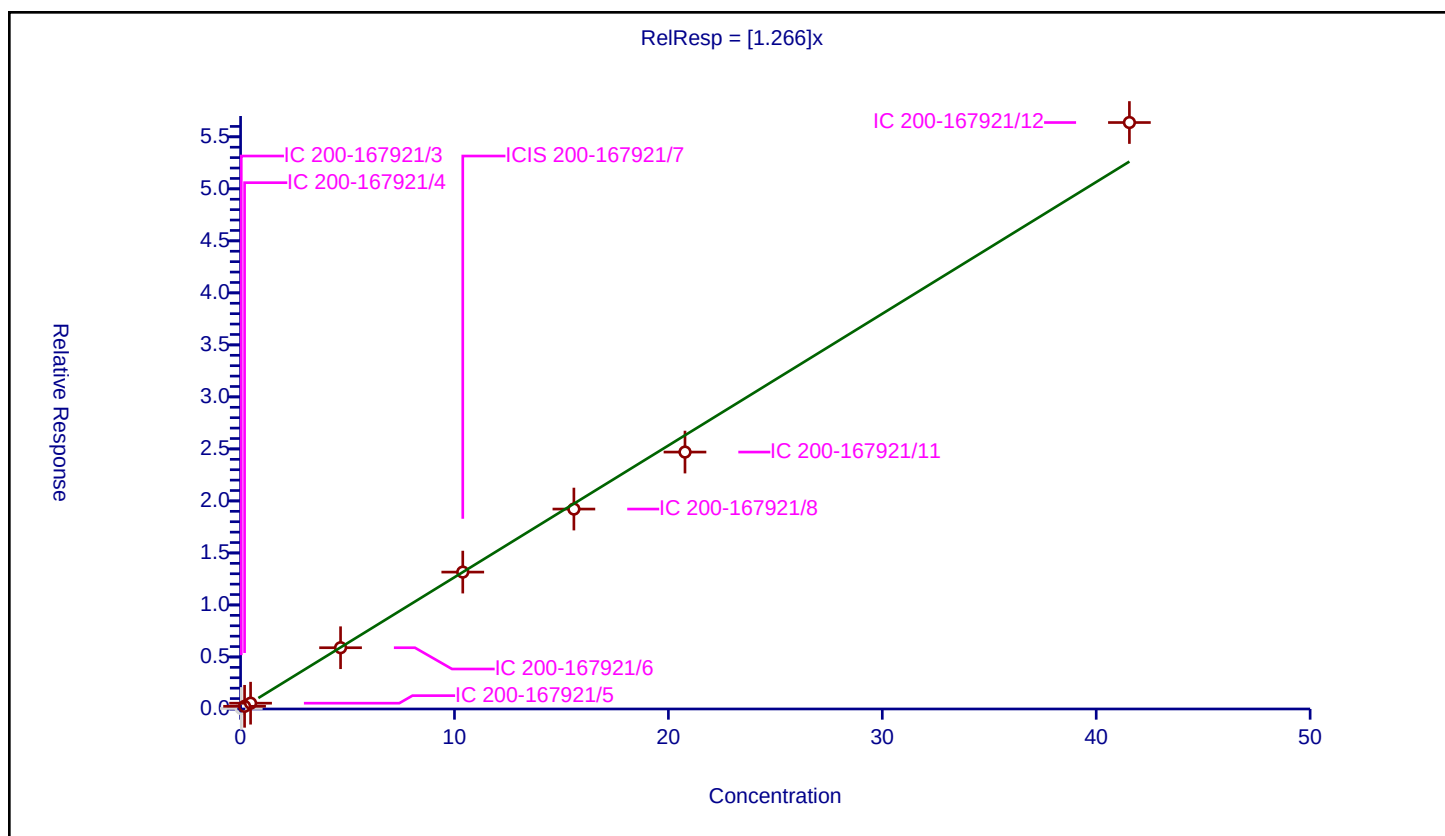
Curve Coefficients

Intercept: 0
Slope: 1.266

Error Coefficients

Standard Error: 3460000
Relative Standard Error: 5.8
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033321	0.0507	20.0	2698638.0	1.521548	N
2	IC 200-167921/4	0.187431	0.256701	20.0	2375680.0	1.369576	Y
3	IC 200-167921/5	0.468578	0.557443	20.0	2535363.0	1.189648	Y
4	IC 200-167921/6	4.674593	5.889865	20.0	2227674.0	1.259974	Y
5	ICIS 200-167921/7	10.387984	13.15995	20.0	2276384.0	1.266843	Y
6	IC 200-167921/8	15.581976	19.217757	20.0	2374300.0	1.233332	Y
7	IC 200-167921/11	20.775968	24.697689	20.0	2558245.0	1.188762	Y
8	IC 200-167921/12	41.551937	56.374958	20.0	2604257.0	1.356735	Y



Calibration

/ Alpha Methyl Styrene

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

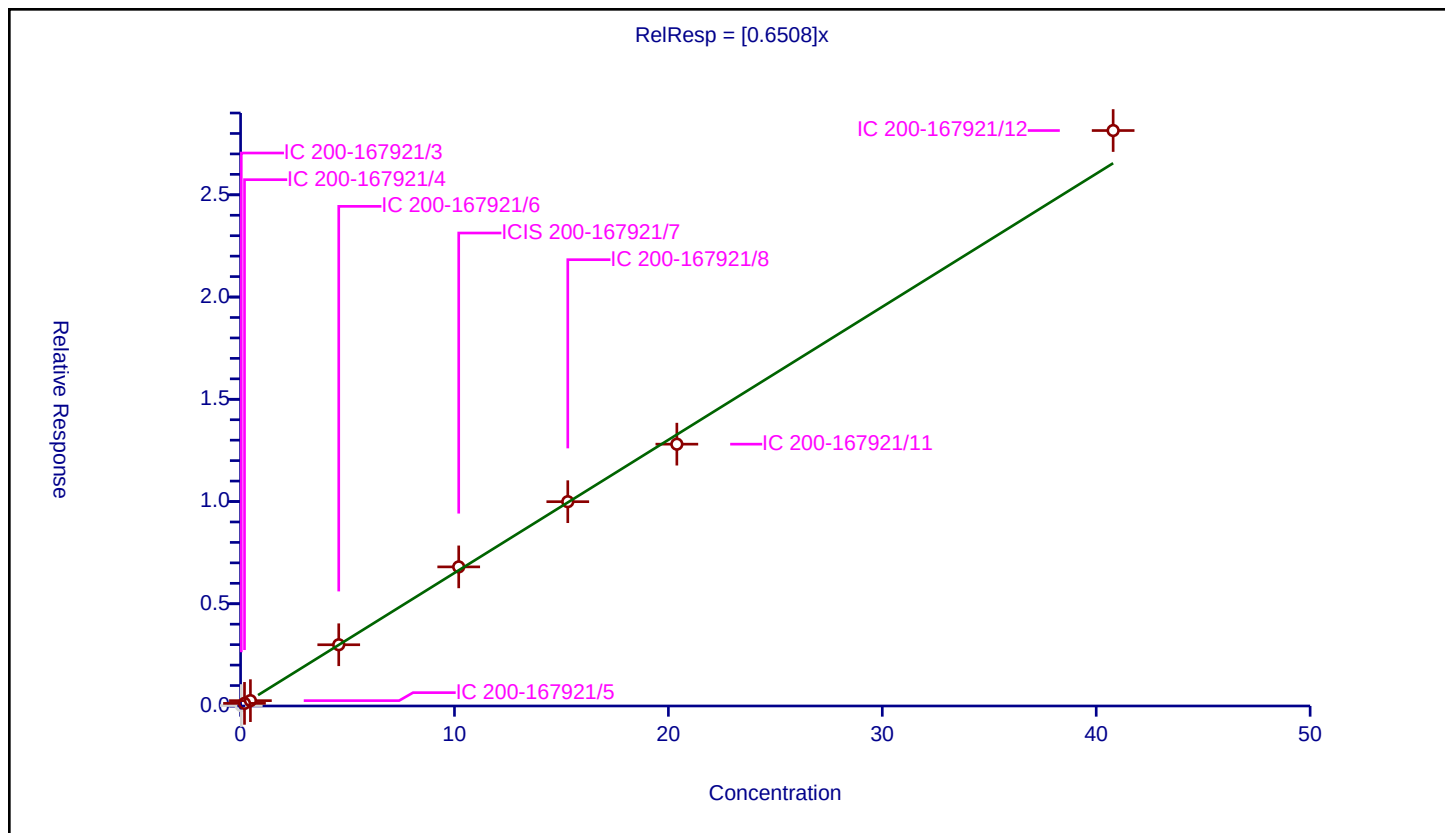
Curve Coefficients

Intercept: 0
 Slope: 0.6508

Error Coefficients

Standard Error: 1740000
 Relative Standard Error: 6.6
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032712	0.021648	20.0	2698638.0	0.661779	N
2	IC 200-167921/4	0.184004	0.127938	20.0	2375680.0	0.695302	Y
3	IC 200-167921/5	0.460009	0.261872	20.0	2535363.0	0.569275	Y
4	IC 200-167921/6	4.589109	2.995268	20.0	2227674.0	0.65269	Y
5	ICIS 200-167921/7	10.198021	6.802903	20.0	2276384.0	0.667081	Y
6	IC 200-167921/8	15.297032	9.991989	20.0	2374300.0	0.653198	Y
7	IC 200-167921/11	20.396042	12.804583	20.0	2558245.0	0.627797	Y
8	IC 200-167921/12	40.792084	28.142745	20.0	2604257.0	0.689907	Y



Calibration

/ tert-Butylbenzene

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

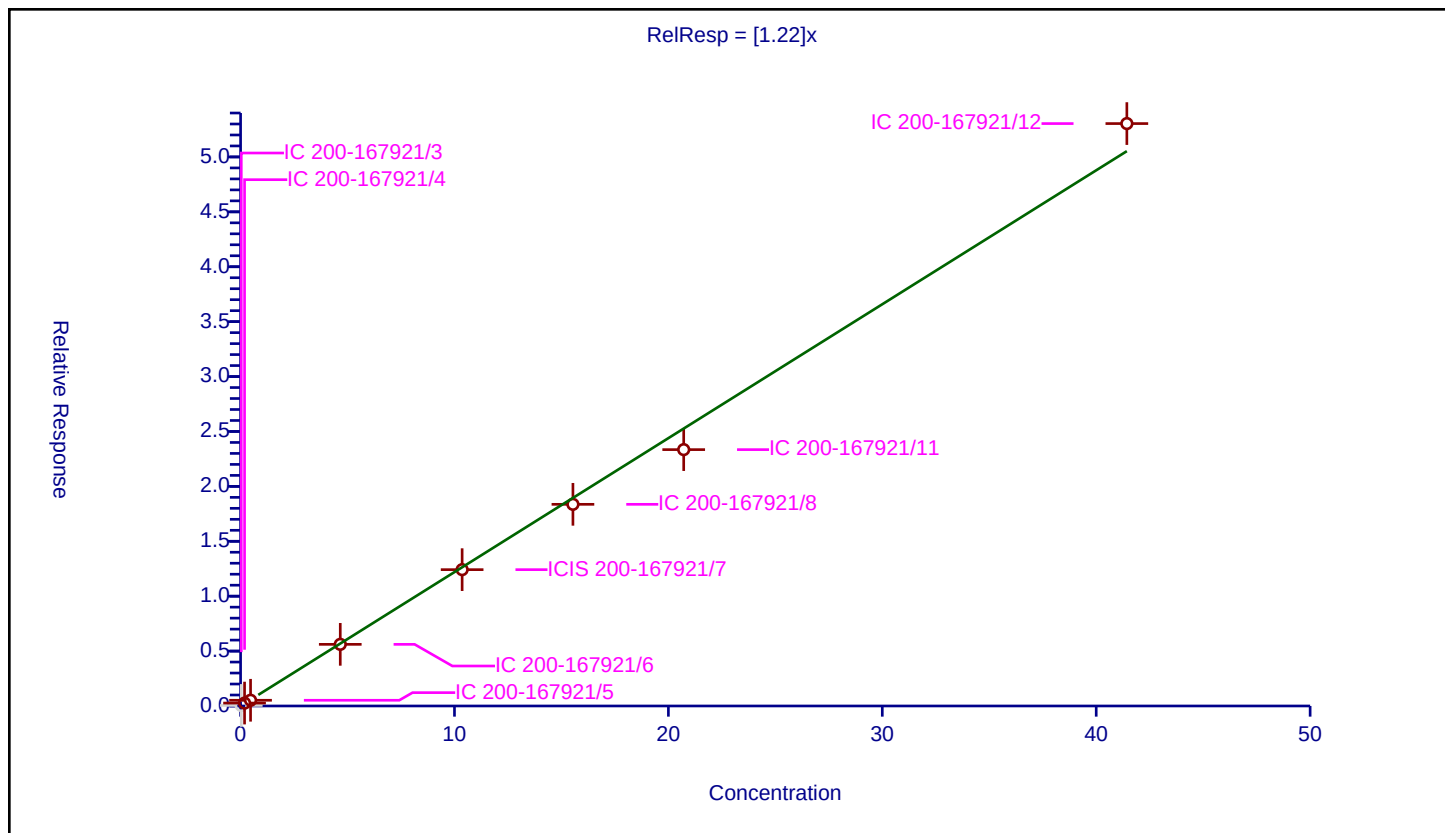
Curve Coefficients

Intercept: 0
 Slope: 1.22

Error Coefficients

Standard Error: 3260000
 Relative Standard Error: 8.8
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033225	0.05044	20.0	2698638.0	1.518147	N
2	IC 200-167921/4	0.18689	0.266947	20.0	2375680.0	1.428363	Y
3	IC 200-167921/5	0.467225	0.521574	20.0	2535363.0	1.116324	Y
4	IC 200-167921/6	4.661096	5.613712	20.0	2227674.0	1.204376	Y
5	ICIS 200-167921/7	10.35799	12.415735	20.0	2276384.0	1.198663	Y
6	IC 200-167921/8	15.536985	18.364377	20.0	2374300.0	1.181978	Y
7	IC 200-167921/11	20.71598	23.345004	20.0	2558245.0	1.126908	Y
8	IC 200-167921/12	41.43196	53.039297	20.0	2604257.0	1.280154	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

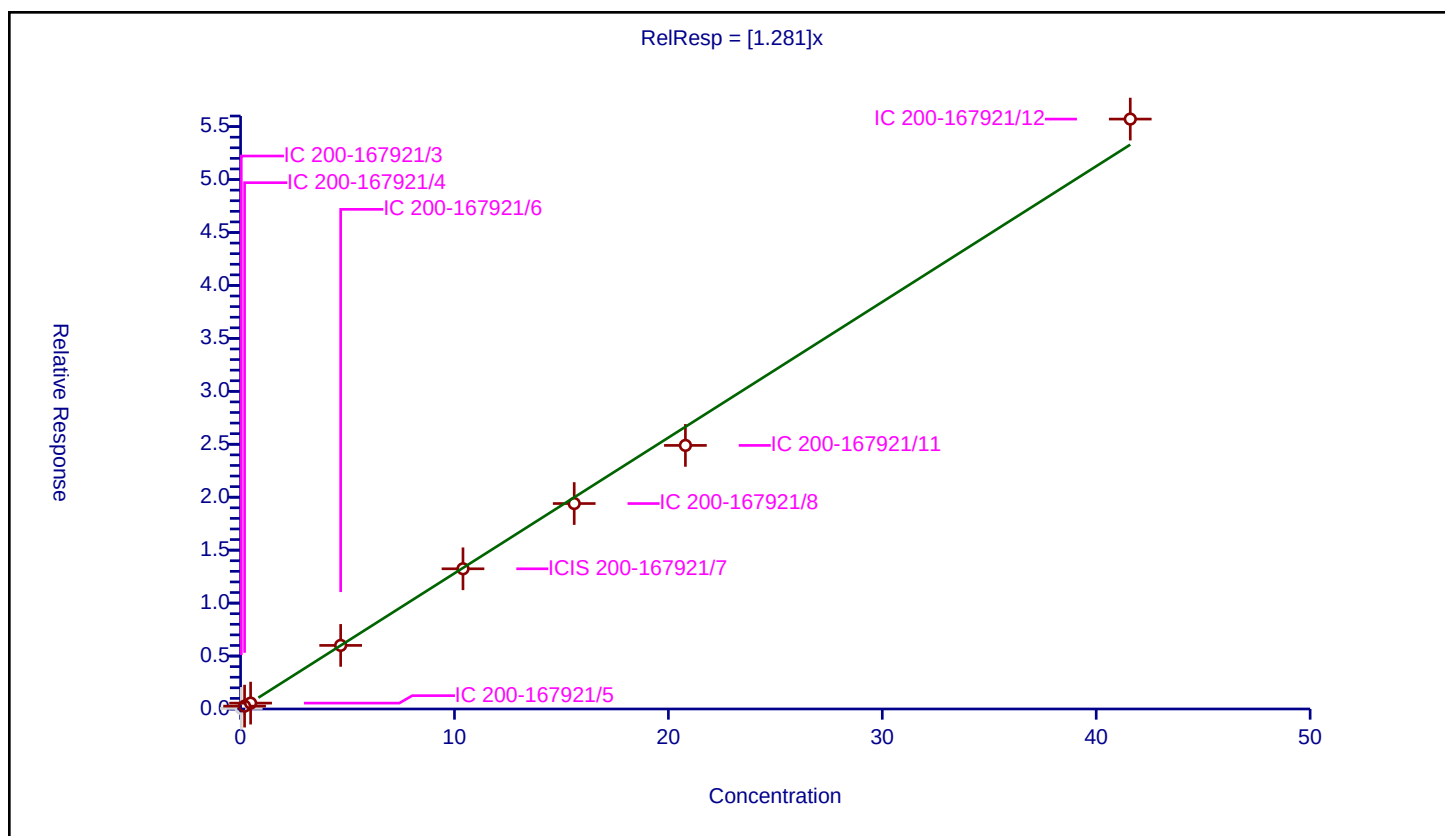
Curve Coefficients

Intercept: 0
 Slope: 1.281

Error Coefficients

Standard Error: 3430000
 Relative Standard Error: 7.0
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033353	0.053457	20.0	2698638.0	1.602745	N
2	IC 200-167921/4	0.187612	0.271308	20.0	2375680.0	1.446114	Y
3	IC 200-167921/5	0.469029	0.556402	20.0	2535363.0	1.186284	Y
4	IC 200-167921/6	4.679092	6.00604	20.0	2227674.0	1.283591	Y
5	ICIS 200-167921/7	10.397982	13.241158	20.0	2276384.0	1.273435	Y
6	IC 200-167921/8	15.596973	19.402266	20.0	2374300.0	1.243976	Y
7	IC 200-167921/11	20.795965	24.893988	20.0	2558245.0	1.197059	Y
8	IC 200-167921/12	41.591929	55.711061	20.0	2604257.0	1.339468	Y



Calibration

/ sec-Butylbenzene

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

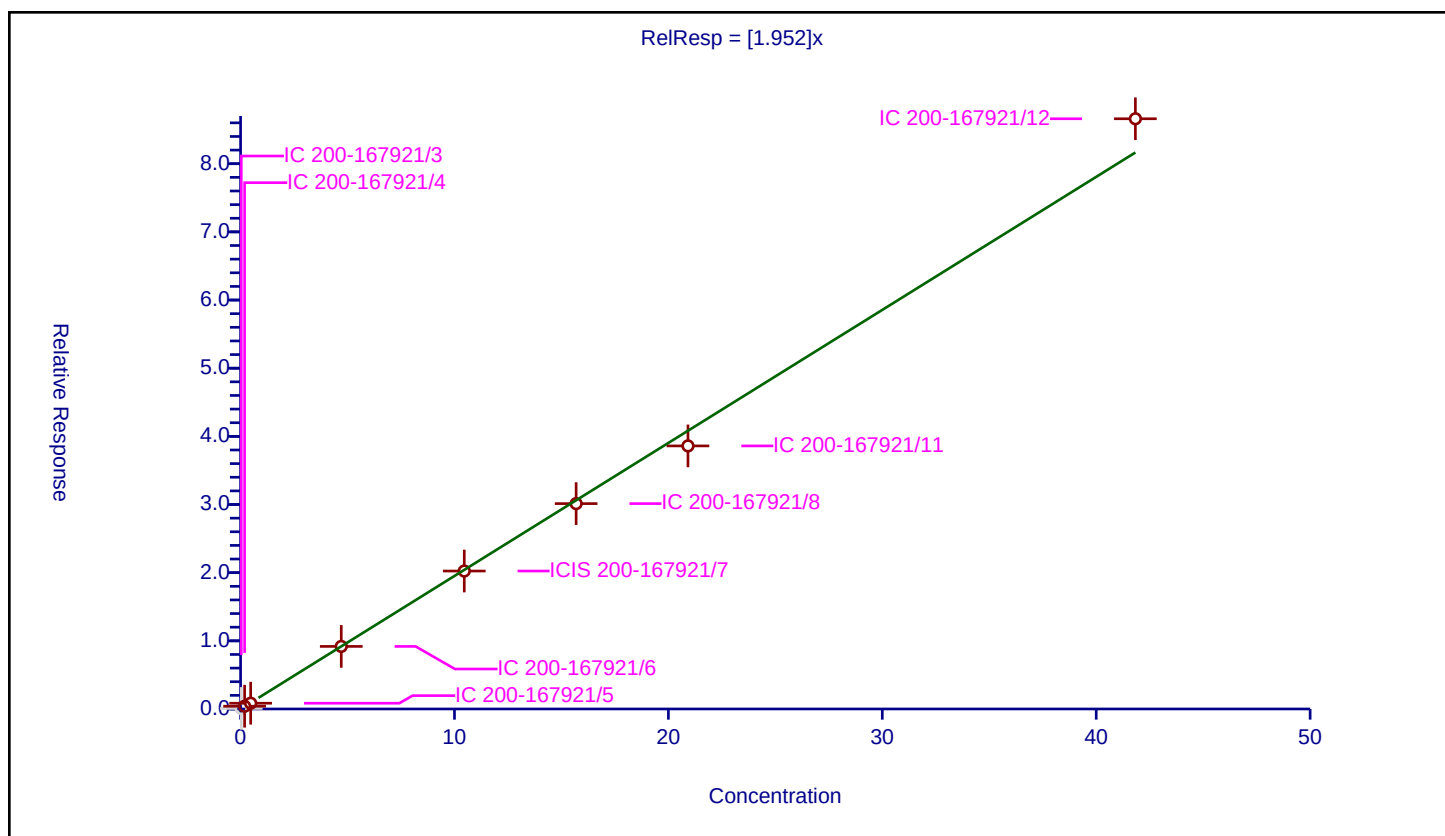
Curve Coefficients

Intercept: 0
Slope: 1.952

Error Coefficients

Standard Error: 5330000
Relative Standard Error: 6.3
Correlation Coefficient: 0.994
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033546	0.078321	20.0	2698638.0	2.334763	N
2	IC 200-167921/4	0.188694	0.405206	20.0	2375680.0	2.147425	Y
3	IC 200-167921/5	0.471735	0.845772	20.0	2535363.0	1.792898	Y
4	IC 200-167921/6	4.706087	9.179718	20.0	2227674.0	1.950605	Y
5	ICIS 200-167921/7	10.457971	20.241436	20.0	2276384.0	1.935503	Y
6	IC 200-167921/8	15.686956	30.130826	20.0	2374300.0	1.920757	Y
7	IC 200-167921/11	20.915941	38.596983	20.0	2558245.0	1.845338	Y
8	IC 200-167921/12	41.831883	86.59696	20.0	2604257.0	2.070119	Y



Calibration

/ 4-Isopropyltoluene

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

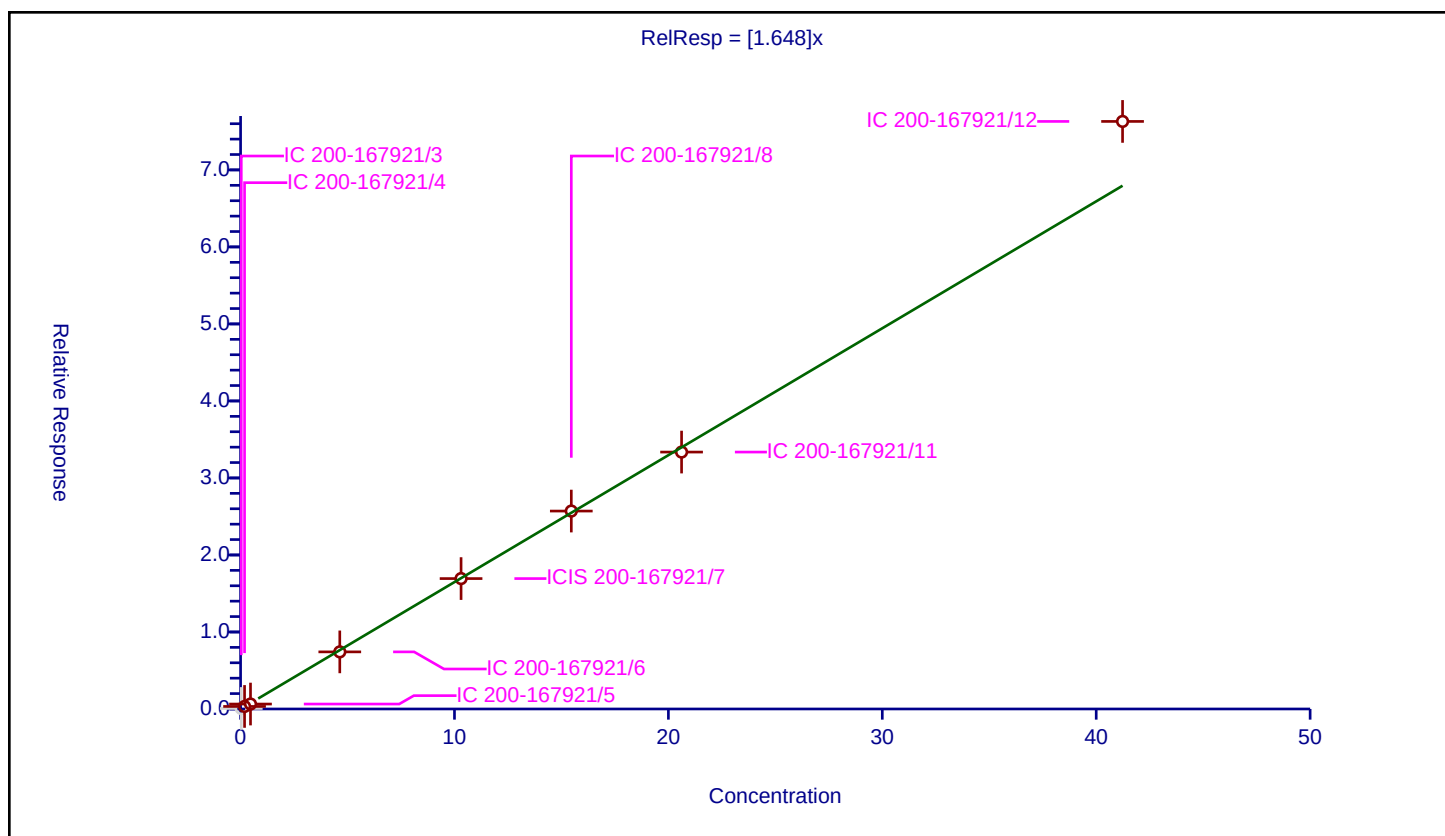
Curve Coefficients

Intercept: 0
Slope: 1.648

Error Coefficients

Standard Error: 4670000
Relative Standard Error: 9.0
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033065	0.068027	20.0	2698638.0	2.057398	N
2	IC 200-167921/4	0.185988	0.330701	20.0	2375680.0	1.778078	Y
3	IC 200-167921/5	0.46497	0.643734	20.0	2535363.0	1.384464	Y
4	IC 200-167921/6	4.6386	7.416776	20.0	2227674.0	1.598926	Y
5	ICIS 200-167921/7	10.308	16.935499	20.0	2276384.0	1.642947	Y
6	IC 200-167921/8	15.462	25.703542	20.0	2374300.0	1.662369	Y
7	IC 200-167921/11	20.615999	33.361895	20.0	2558245.0	1.618253	Y
8	IC 200-167921/12	41.231999	76.297224	20.0	2604257.0	1.850437	Y



Calibration

/ 1,3-Dichlorobenzene

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

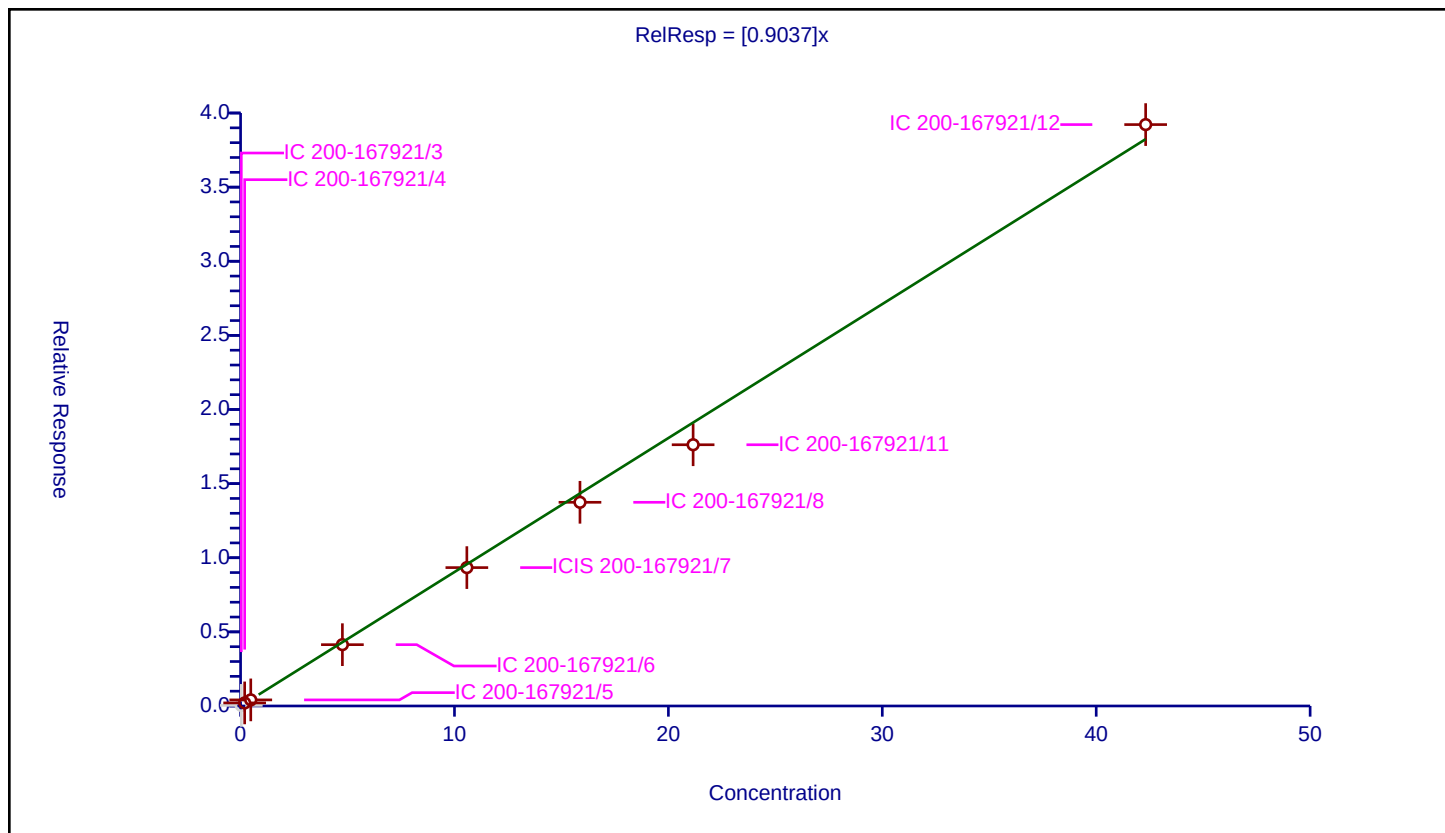
Curve Coefficients

Intercept: 0
 Slope: 0.9037

Error Coefficients

Standard Error: 2420000
 Relative Standard Error: 9.5
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03393	0.040087	20.0	2698638.0	1.181444	N
2	IC 200-167921/4	0.190859	0.207503	20.0	2375680.0	1.087206	Y
3	IC 200-167921/5	0.477147	0.411018	20.0	2535363.0	0.861408	Y
4	IC 200-167921/6	4.760076	4.136404	20.0	2227674.0	0.868979	Y
5	ICIS 200-167921/7	10.577947	9.335095	20.0	2276384.0	0.882505	Y
6	IC 200-167921/8	15.866921	13.740572	20.0	2374300.0	0.865989	Y
7	IC 200-167921/11	21.155895	17.622573	20.0	2558245.0	0.832986	Y
8	IC 200-167921/12	42.311789	39.21851	20.0	2604257.0	0.926893	Y



Calibration

/ 1,4-Dichlorobenzene

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

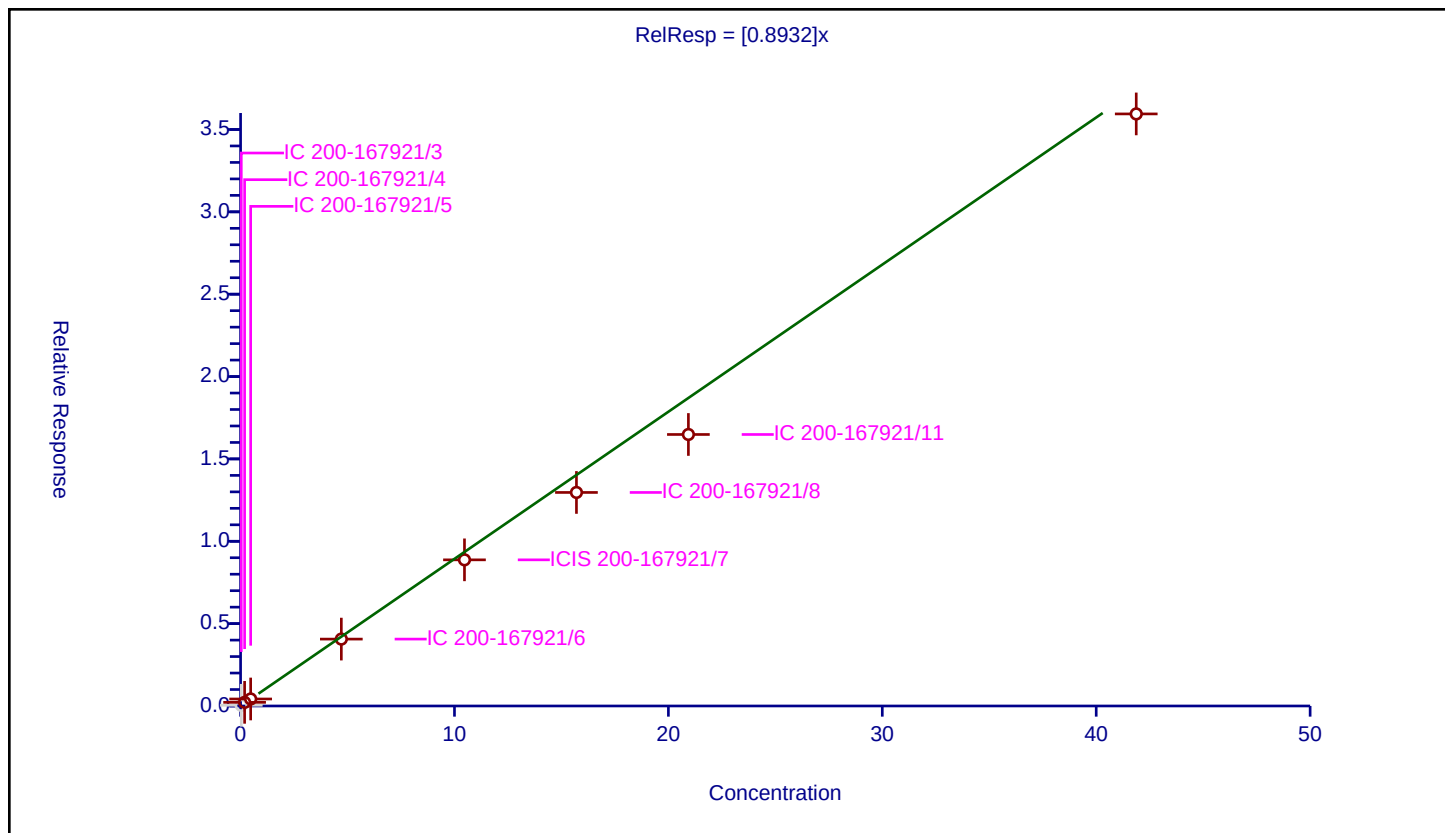
Curve Coefficients

Intercept: 0
 Slope: 0.8932

Error Coefficients

Standard Error: 2230000
 Relative Standard Error: 14.2
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033578	0.04271	20.0	2698638.0	1.27199	N
2	IC 200-167921/4	0.188874	0.221116	20.0	2375680.0	1.170703	Y
3	IC 200-167921/5	0.472186	0.425296	20.0	2535363.0	0.900697	Y
4	IC 200-167921/6	4.710586	4.061088	20.0	2227674.0	0.862119	Y
5	ICIS 200-167921/7	10.467969	8.87309	20.0	2276384.0	0.847642	Y
6	IC 200-167921/8	15.701953	12.964065	20.0	2374300.0	0.825634	Y
7	IC 200-167921/11	20.935937	16.48384	20.0	2558245.0	0.787347	Y
8	IC 200-167921/12	41.871875	35.944171	20.0	2604257.0	0.858432	Y



Calibration

/ Benzyl chloride

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

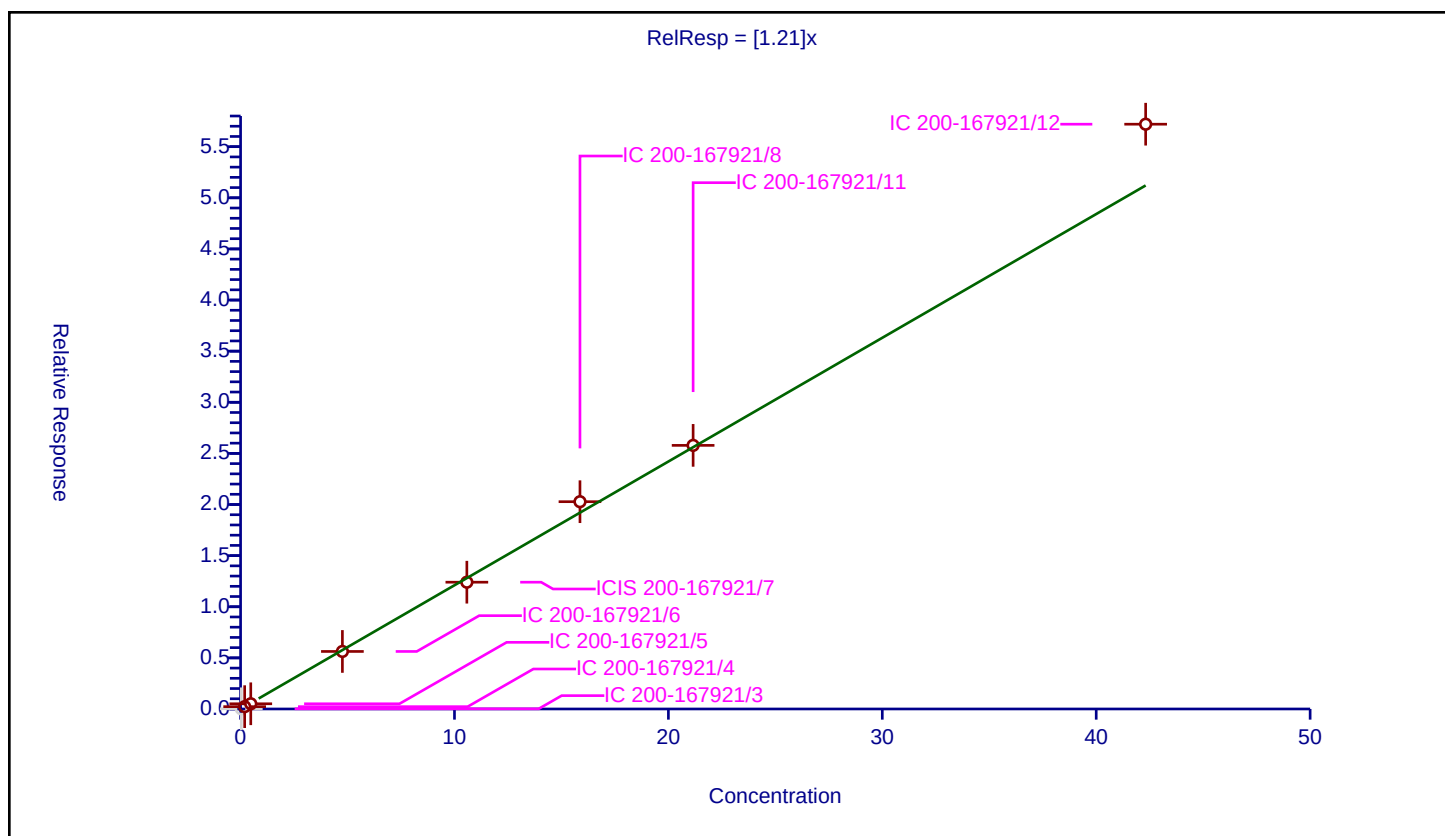
Curve Coefficients

Intercept: 0
 Slope: 1.21

Error Coefficients

Standard Error: 3520000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.03393	0.017965	20.0	2698638.0	0.529455	N
2	IC 200-167921/4	0.190859	0.229349	20.0	2375680.0	1.20167	Y
3	IC 200-167921/5	0.477147	0.509229	20.0	2535363.0	1.067238	Y
4	IC 200-167921/6	4.760076	5.626344	20.0	2227674.0	1.181986	Y
5	ICIS 200-167921/7	10.577947	12.402046	20.0	2276384.0	1.172444	Y
6	IC 200-167921/8	15.866921	20.274759	20.0	2374300.0	1.2778	Y
7	IC 200-167921/11	21.155895	25.78334	20.0	2558245.0	1.218731	Y
8	IC 200-167921/12	42.311789	57.200176	20.0	2604257.0	1.351873	Y



Calibration

/ n-Butylbenzene

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

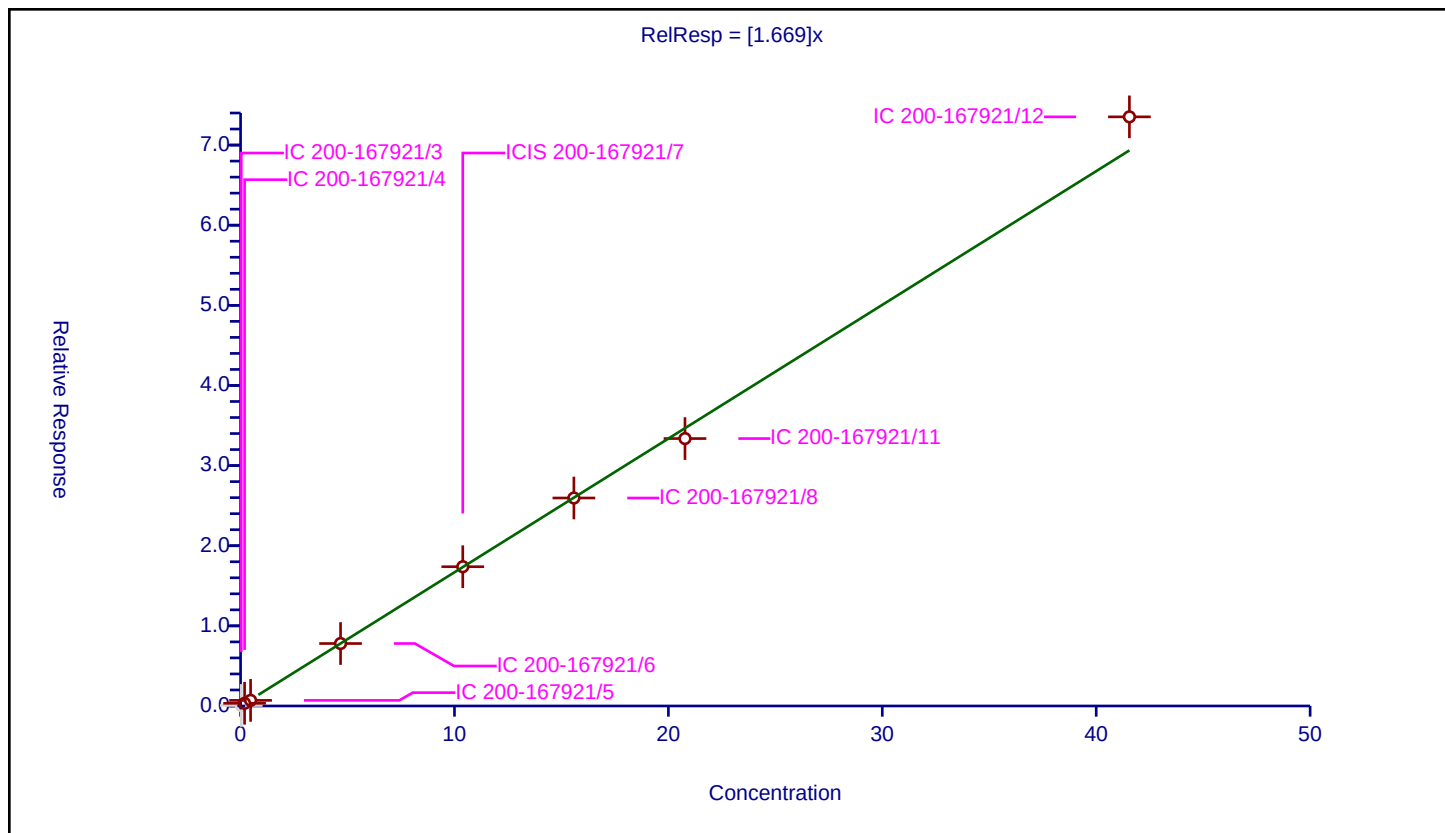
Curve Coefficients

Intercept: 0
 Slope: 1.669

Error Coefficients

Standard Error: 4550000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033321	0.065729	20.0	2698638.0	1.972608	N
2	IC 200-167921/4	0.187431	0.337756	20.0	2375680.0	1.802027	Y
3	IC 200-167921/5	0.468578	0.701099	20.0	2535363.0	1.496227	Y
4	IC 200-167921/6	4.674593	7.794354	20.0	2227674.0	1.667387	Y
5	ICIS 200-167921/7	10.387984	17.378158	20.0	2276384.0	1.67291	Y
6	IC 200-167921/8	15.581976	25.9564	20.0	2374300.0	1.665796	Y
7	IC 200-167921/11	20.775968	33.374778	20.0	2558245.0	1.606413	Y
8	IC 200-167921/12	41.551937	73.521354	20.0	2604257.0	1.769385	Y



Calibration

/ Undecane

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

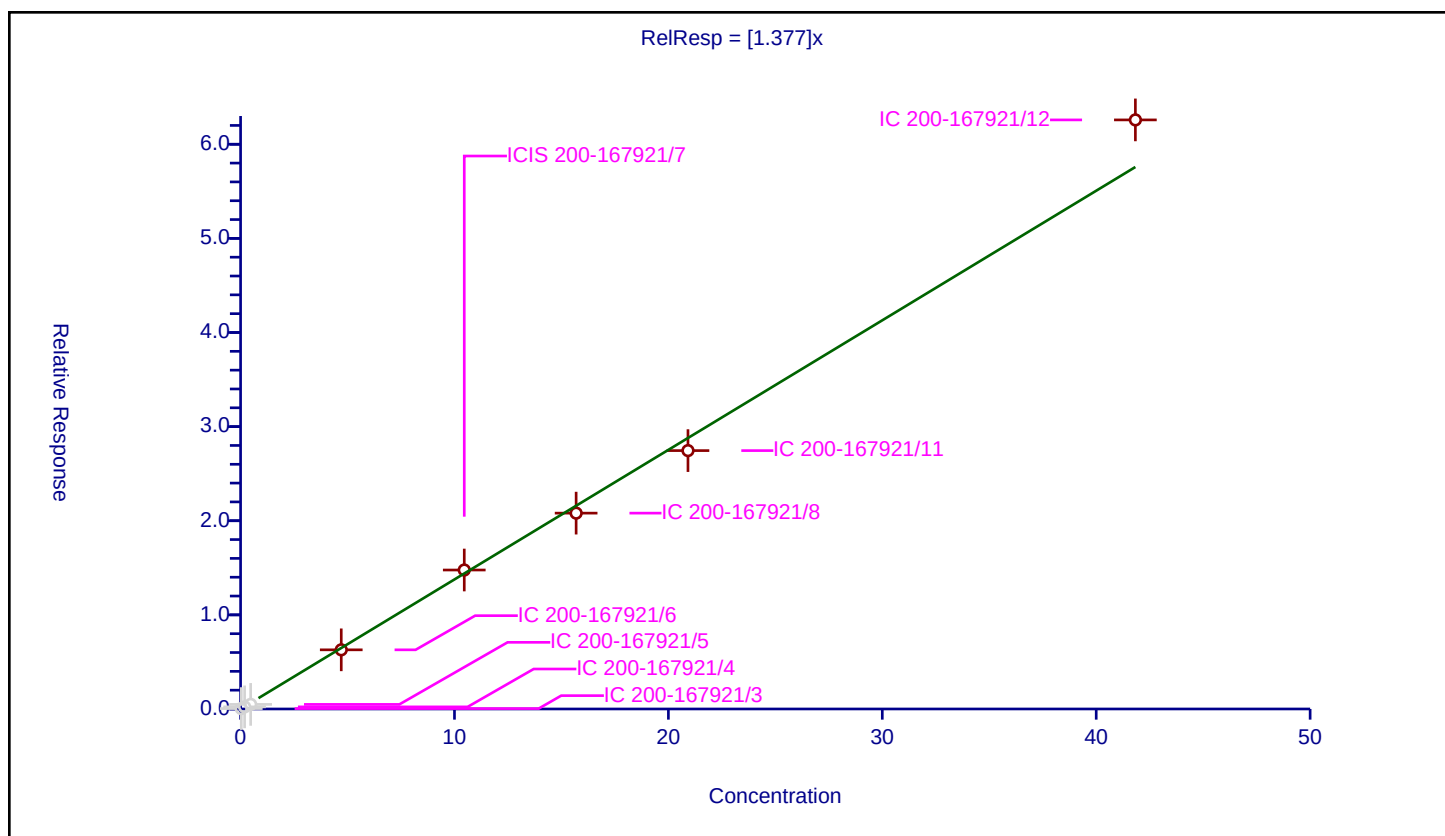
Curve Coefficients

Intercept: 0
Slope: 1.377

Error Coefficients

Standard Error: 4690000
Relative Standard Error: 5.6
Correlation Coefficient: 0.994
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033546	0.044689	20.0	2698638.0	1.332194	N
2	IC 200-167921/4	0.188694	0.22562	20.0	2375680.0	1.195691	N
3	IC 200-167921/5	0.471735	0.487938	20.0	2535363.0	1.034348	N
4	IC 200-167921/6	4.706087	6.285381	20.0	2227674.0	1.335585	Y
5	ICIS 200-167921/7	10.457971	14.765286	20.0	2276384.0	1.411869	Y
6	IC 200-167921/8	15.686956	20.807497	20.0	2374300.0	1.32642	Y
7	IC 200-167921/11	20.915941	27.452531	20.0	2558245.0	1.312517	Y
8	IC 200-167921/12	41.831883	62.585981	20.0	2604257.0	1.496131	Y



Calibration

/ 1,2-Dichlorobenzene

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

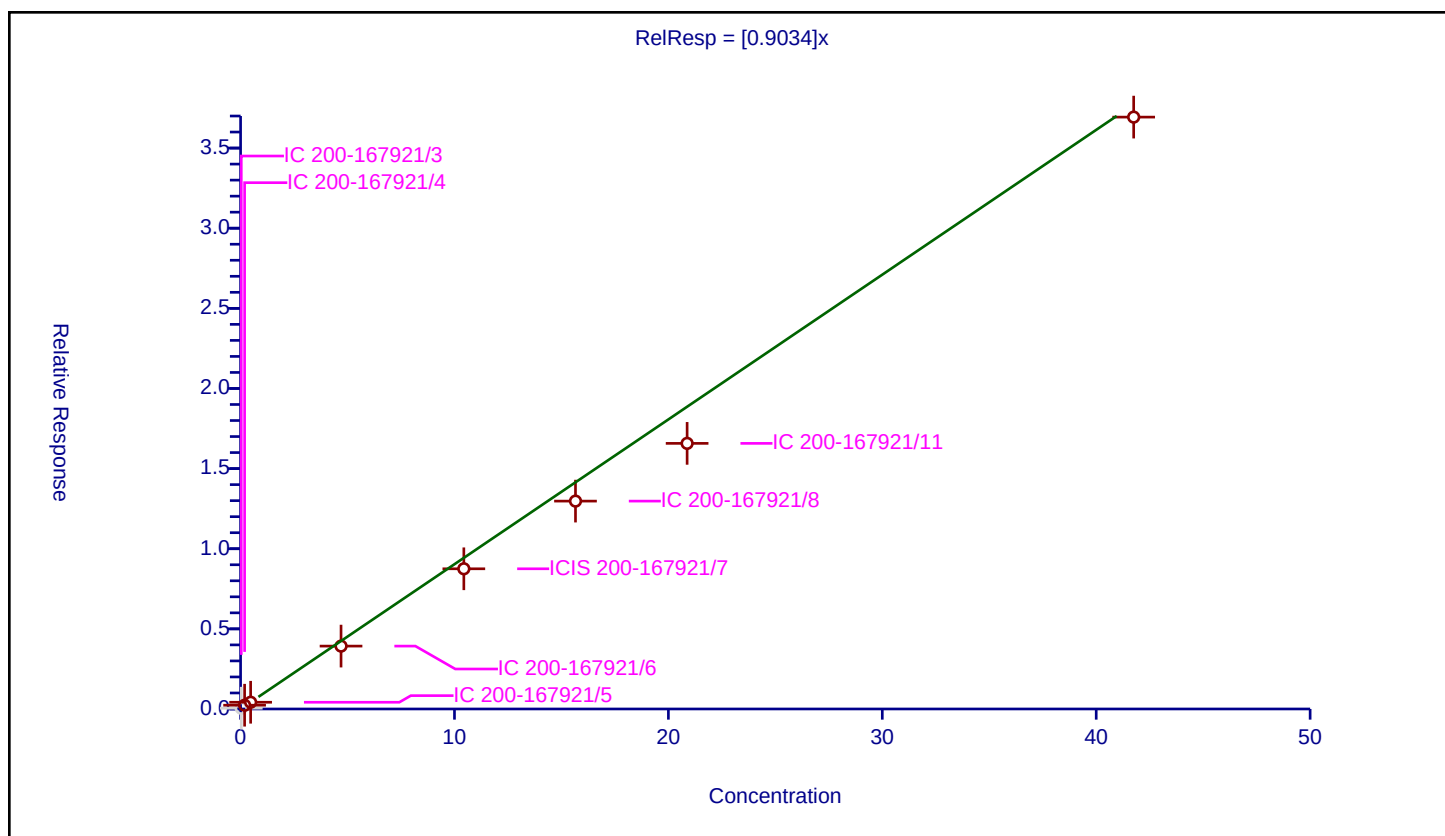
Curve Coefficients

Intercept: 0
 Slope: 0.9034

Error Coefficients

Standard Error: 2280000
 Relative Standard Error: 17.3
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.033481	0.049566	20.0	2698638.0	1.480395	N
2	IC 200-167921/4	0.188333	0.235326	20.0	2375680.0	1.249522	Y
3	IC 200-167921/5	0.470833	0.420776	20.0	2535363.0	0.893685	Y
4	IC 200-167921/6	4.697089	3.923869	20.0	2227674.0	0.835383	Y
5	ICIS 200-167921/7	10.437975	8.748366	20.0	2276384.0	0.838129	Y
6	IC 200-167921/8	15.656962	12.971301	20.0	2374300.0	0.828469	Y
7	IC 200-167921/11	20.875949	16.574191	20.0	2558245.0	0.793937	Y
8	IC 200-167921/12	41.751898	36.932215	20.0	2604257.0	0.884564	Y



Calibration

/ Dodecane

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

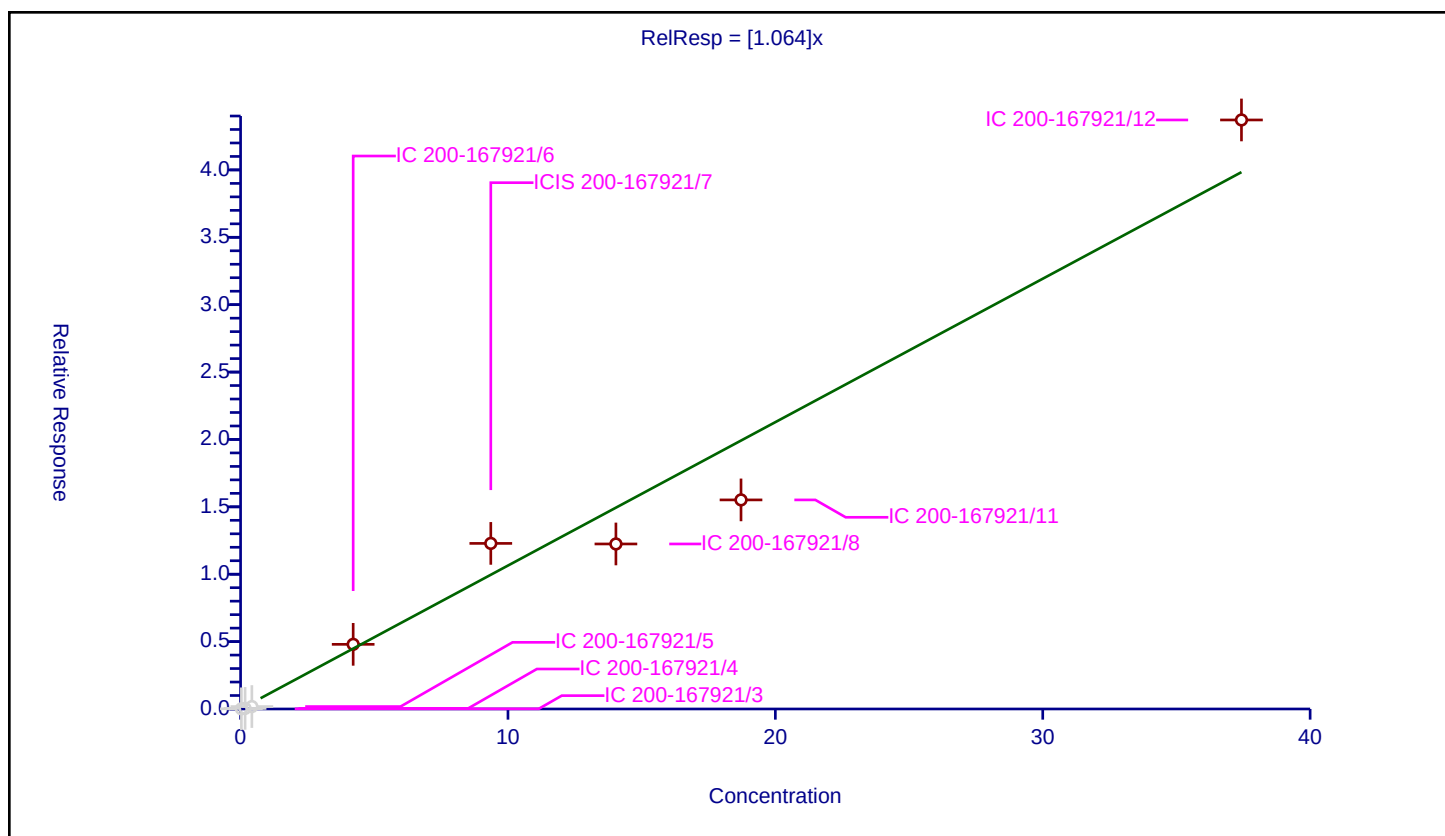
Curve Coefficients

Intercept: 0
 Slope: 1.064

Error Coefficients

Standard Error: 3190000
 Relative Standard Error: 19.4
 Correlation Coefficient: 0.960
 Coefficient of Determination (Adjusted): 0.910

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.030018	0.012021	20.0	2698638.0	0.400458	N
2	IC 200-167921/4	0.16885	0.042632	20.0	2375680.0	0.252484	N
3	IC 200-167921/5	0.422126	0.180874	20.0	2535363.0	0.428482	N
4	IC 200-167921/6	4.211183	4.796725	20.0	2227674.0	1.139045	Y
5	ICIS 200-167921/7	9.358184	12.286565	20.0	2276384.0	1.312922	Y
6	IC 200-167921/8	14.037276	12.245571	20.0	2374300.0	0.872361	Y
7	IC 200-167921/11	18.716368	15.514151	20.0	2558245.0	0.828908	Y
8	IC 200-167921/12	37.432736	43.706785	20.0	2604257.0	1.167609	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

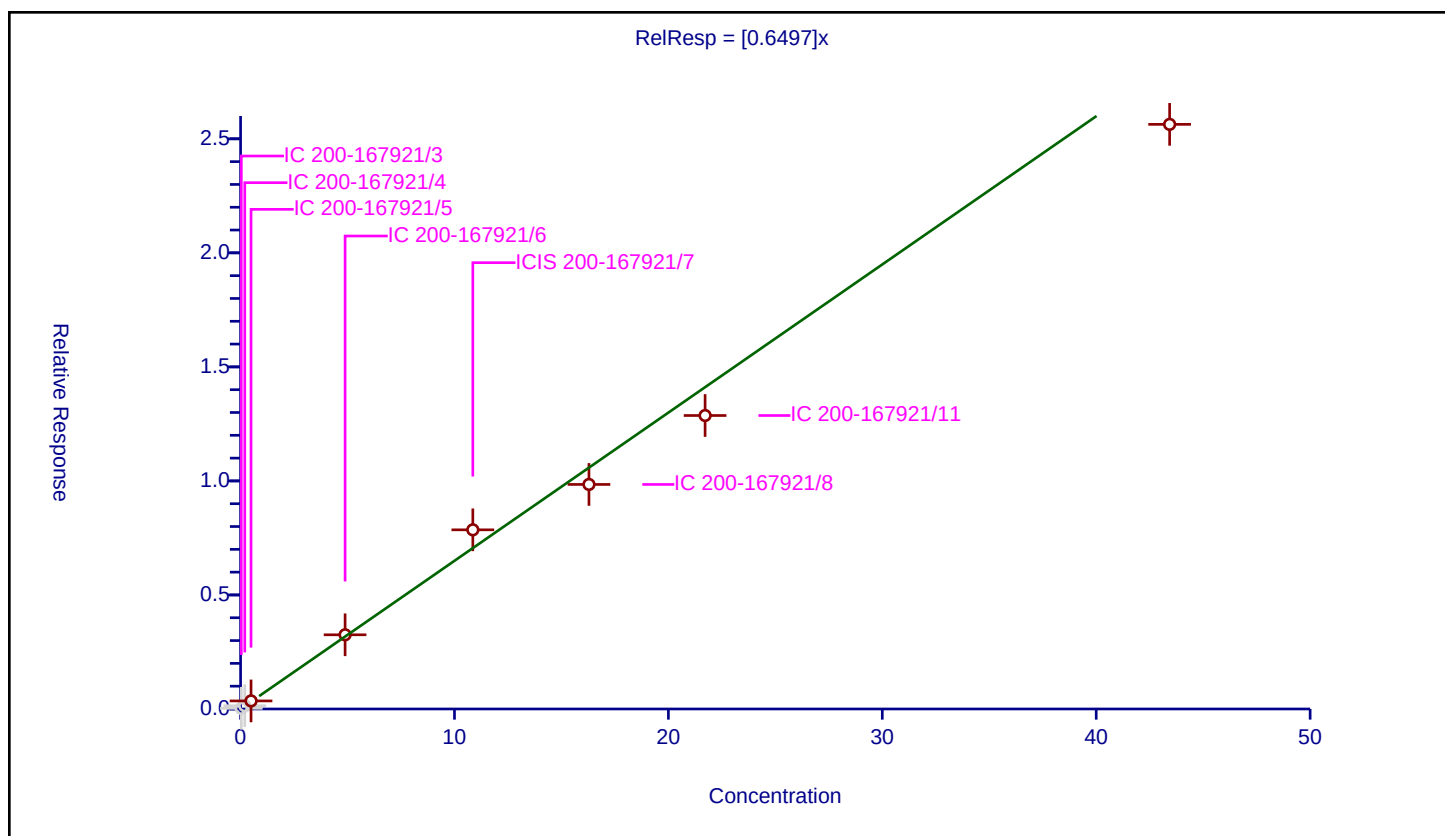
Curve Coefficients

Intercept: 0
 Slope: 0.6497

Error Coefficients

Standard Error: 1800000
 Relative Standard Error: 9.7
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.034828	0.029741	20.0	2698638.0	0.853928	N
2	IC 200-167921/4	0.19591	0.141627	20.0	2375680.0	0.722919	N
3	IC 200-167921/5	0.489774	0.353472	20.0	2535363.0	0.721704	Y
4	IC 200-167921/6	4.886052	3.253681	20.0	2227674.0	0.665912	Y
5	ICIS 200-167921/7	10.857893	7.855652	20.0	2276384.0	0.723497	Y
6	IC 200-167921/8	16.28684	9.84515	20.0	2374300.0	0.604485	Y
7	IC 200-167921/11	21.715786	12.86815	20.0	2558245.0	0.592571	Y
8	IC 200-167921/12	43.431572	25.633561	20.0	2604257.0	0.590206	Y



Calibration

/ Hexachlorobutadiene

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

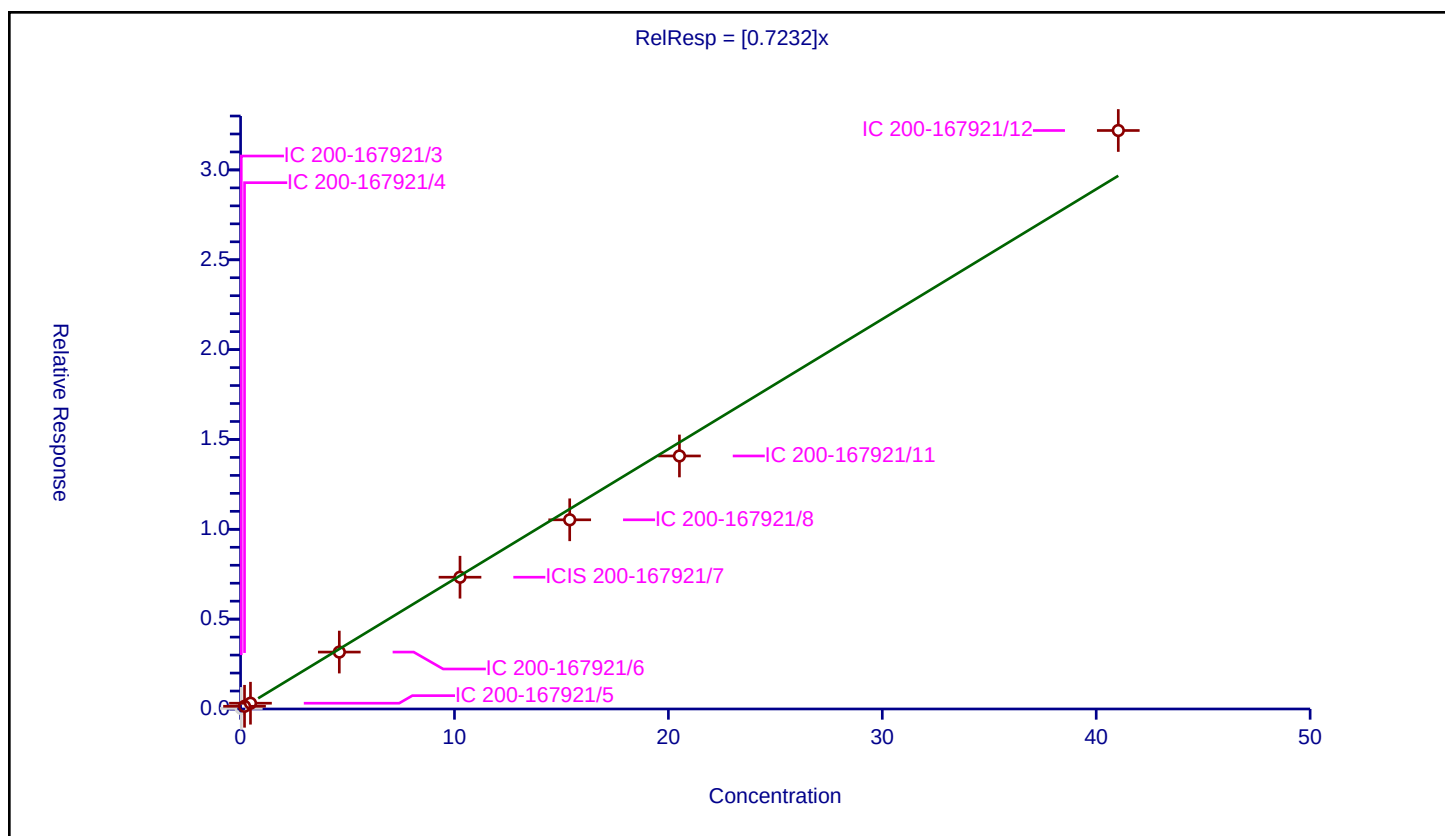
Curve Coefficients

Intercept: 0
 Slope: 0.7232

Error Coefficients

Standard Error: 1970000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.032904	0.03232	20.0	2698638.0	0.982246	N
2	IC 200-167921/4	0.185086	0.150045	20.0	2375680.0	0.81068	Y
3	IC 200-167921/5	0.462715	0.321745	20.0	2535363.0	0.695341	Y
4	IC 200-167921/6	4.616104	3.168058	20.0	2227674.0	0.686306	Y
5	ICIS 200-167921/7	10.258009	7.334017	20.0	2276384.0	0.714955	Y
6	IC 200-167921/8	15.387014	10.528046	20.0	2374300.0	0.684216	Y
7	IC 200-167921/11	20.516019	14.080786	20.0	2558245.0	0.686331	Y
8	IC 200-167921/12	41.032038	32.193689	20.0	2604257.0	0.784599	Y



Calibration

/ Naphthalene

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

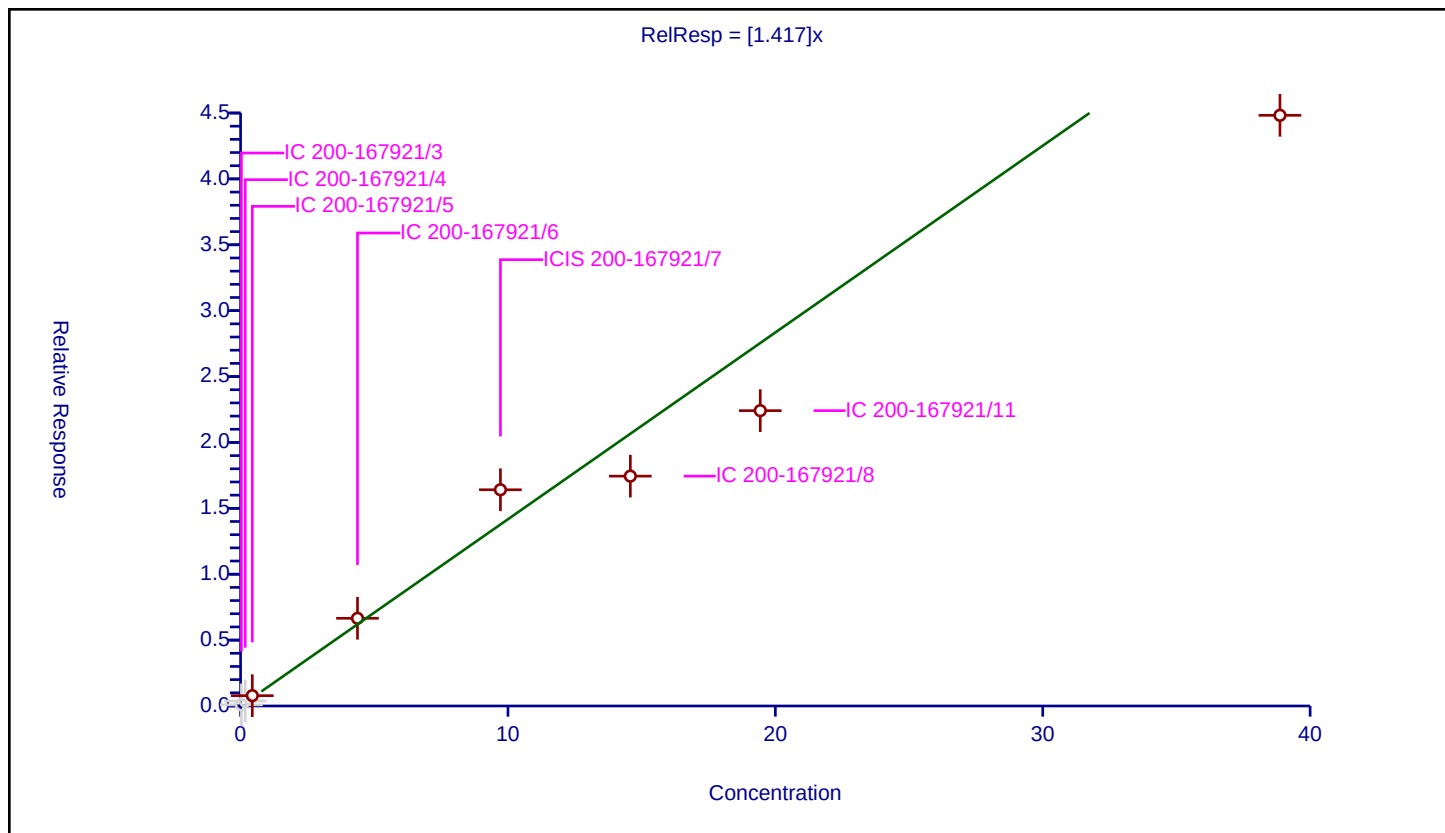
Curve Coefficients

Intercept: 0
 Slope: 1.417

Error Coefficients

Standard Error: 3180000
 Relative Standard Error: 20.2
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.031172	0.086444	20.0	2698638.0	2.773084	N
2	IC 200-167921/4	0.175345	0.378671	20.0	2375680.0	2.159579	N
3	IC 200-167921/5	0.438362	0.784771	20.0	2535363.0	1.790237	Y
4	IC 200-167921/6	4.373151	6.654142	20.0	2227674.0	1.52159	Y
5	ICIS 200-167921/7	9.718114	16.409455	20.0	2276384.0	1.688543	Y
6	IC 200-167921/8	14.577171	17.444224	20.0	2374300.0	1.196681	Y
7	IC 200-167921/11	19.436228	22.41396	20.0	2558245.0	1.153205	Y
8	IC 200-167921/12	38.872457	44.825791	20.0	2604257.0	1.15315	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

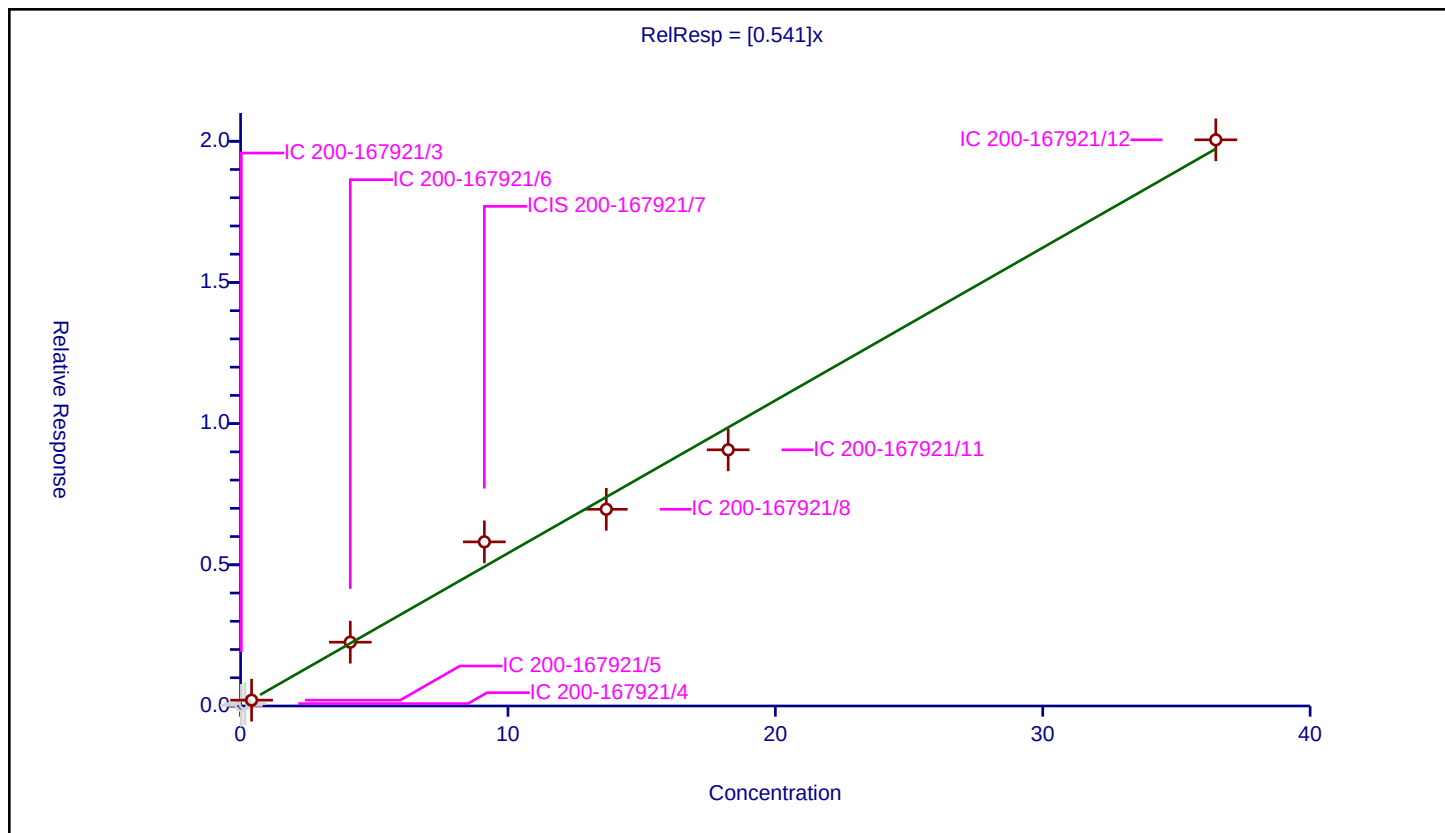
Curve Coefficients

Intercept: 0
 Slope: 0.541

Error Coefficients

Standard Error: 1370000
 Relative Standard Error: 9.8
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-167921/3	0.029248	0.021692	20.0	2698638.0	0.741668	N
2	IC 200-167921/4	0.164521	0.08454	20.0	2375680.0	0.513856	N
3	IC 200-167921/5	0.411302	0.206156	20.0	2535363.0	0.501227	Y
4	IC 200-167921/6	4.103204	2.259918	20.0	2227674.0	0.550769	Y
5	ICIS 200-167921/7	9.118231	5.812394	20.0	2276384.0	0.637448	Y
6	IC 200-167921/8	13.677346	6.965885	20.0	2374300.0	0.509301	Y
7	IC 200-167921/11	18.236461	9.072087	20.0	2558245.0	0.49747	Y
8	IC 200-167921/12	36.472922	20.050671	20.0	2604257.0	0.549741	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
 SDG No.: 200-59052-1
 Lab Sample ID: ICV 200-167921/16 Calibration Date: 06/15/2021 03:33
 Instrument ID: CHC.i Calib Start Date: 06/14/2021 15:44
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/14/2021 23:55
 Lab File ID: 46375-16.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
Propylene	Ave	1.786	1.798		10.4	10.3	0.7	30.0
Dichlorodifluoromethane	Ave	3.586	3.757		10.9	10.4	4.8	30.0
Freon 22	Ave	2.689	2.858		11.1	10.5	6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.615	3.763		10.8	10.4	4.1	30.0
Chloromethane	Ave	1.556	1.603		11.2	10.9	3.0	30.0
n-Butane	Ave	2.570	2.587		10.4	10.4	0.7	30.0
Vinyl chloride	Ave	1.577	1.605		10.6	10.4	1.8	30.0
1,3-Butadiene	Ave	1.252	1.264		10.2	10.1	0.9	30.0
Bromomethane	Ave	1.213	1.282		10.9	10.3	5.7	30.0
Chloroethane	Ave	0.7346	0.8254		11.7	10.4	12.4	30.0
Isopentane	Ave	1.842	2.307		13.1	10.4	25.3	30.0
Bromoethene (Vinyl Bromide)	Ave	1.110	1.194		11.2	10.4	7.6	30.0
Trichlorofluoromethane	Ave	2.909	3.233		11.7	10.6	11.2	30.0
n-Pentane	Ave	3.076	3.482		11.5	10.1	13.2	30.0
Ethanol	Ave	1.034	1.067		15.5	15.0	3.3	30.0
Ethyl ether	Ave	1.016	1.126		11.2	10.1	10.8	30.0
Acrolein	Ave	0.6482	0.6277		9.41	9.72	-3.2	30.0
Freon TF	Ave	2.425	2.566		11.1	10.5	5.9	30.0
1,1-Dichloroethene	Ave	1.189	1.256		10.9	10.3	5.6	30.0
Acetone	Ave	2.822	2.857		10.4	10.2	1.2	30.0
Carbon disulfide	Ave	4.029	4.289		10.8	10.2	6.4	30.0
Isopropyl alcohol	Ave	3.232	3.066		9.69	10.2	-5.2	30.0
3-Chloropropene	Ave	2.048	1.508		7.84	10.6	-26.4	30.0
Acetonitrile	Ave	1.646	1.532		9.21	9.90	-7.0	30.0
Methylene Chloride	Ave	2.009	2.084		10.7	10.3	3.7	30.0
tert-Butyl alcohol	Ave	3.099	2.921		10.2	10.8	-5.7	30.0
trans-1,2-Dichloroethene	Ave	2.195	2.481		11.5	10.2	13.0	30.0
Methyl tert-butyl ether	Ave	3.711	4.137		11.6	10.4	11.5	30.0
Acrylonitrile	Ave	1.180	1.302		11.2	10.1	10.3	30.0
n-Hexane	Ave	2.248	2.603		12.3	10.6	15.8	30.0
1,1-Dichloroethane	Ave	2.715	3.067		11.3	10.0	12.9	30.0
Vinyl acetate	Ave	4.994	4.994		10.4	10.4	-0.0	30.0
cis-1,2-Dichloroethene	Ave	1.439	1.417		9.95	10.1	-1.5	30.0
Methyl Ethyl Ketone	Ave	0.7918	0.7626		9.96	10.3	-3.7	30.0
Ethyl acetate	Ave	0.1171	0.1187		10.3	10.1	1.4	30.0
Tetrahydrofuran	Ave	0.5232	0.4926		9.40	9.99	-5.9	30.0
Chloroform	Ave	2.984	3.073		10.4	10.1	3.0	30.0
1,1,1-Trichloroethane	Ave	0.5553	0.5747		10.5	10.2	3.5	30.0
Cyclohexane	Ave	0.3721	0.3856		10.5	10.1	3.6	30.0
Carbon tetrachloride	Ave	0.5256	0.5464		10.6	10.2	3.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
 SDG No.: 200-59052-1
 Lab Sample ID: ICV 200-167921/16 Calibration Date: 06/15/2021 03:33
 Instrument ID: CHC.i Calib Start Date: 06/14/2021 15:44
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/14/2021 23:55
 Lab File ID: 46375-16.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
Benzene	Ave	0.9131	0.9372		10.6	10.3	2.6	30.0
2,2,4-Trimethylpentane	Ave	1.682	1.792		11.1	10.5	6.5	30.0
1,2-Dichloroethane	Ave	0.3919	0.4170		11.0	10.4	6.4	30.0
n-Heptane	Ave	0.7636	0.8151		11.2	10.5	6.7	30.0
n-Butanol	Ave	0.2609	0.2504		9.16	9.55	-4.0	30.0
Trichloroethene	Ave	0.3908	0.3674		9.90	10.5	-6.0	30.0
1,2-Dichloropropane	Ave	0.3765	0.3844		10.5	10.3	2.1	30.0
Methyl methacrylate	Ave	0.3435	0.3451		10.2	10.2	0.5	30.0
Dibromomethane	Ave	0.3272	0.3076		9.68	10.3	-6.0	30.0
1,4-Dioxane	Ave	0.1618	0.1508		9.85	10.6	-6.8	30.0
Bromodichloromethane	Ave	0.5628	0.5825		10.9	10.6	3.5	30.0
cis-1,3-Dichloropropene	Ave	0.5519	0.5639		10.6	10.4	2.2	30.0
Methyl isobutyl ketone	Ave	0.9907	0.997		10.3	10.2	0.6	30.0
Toluene	Ave	0.6449	0.6617		10.4	10.2	2.6	30.0
n-Octane	Ave	1.070	1.076		10.4	10.3	0.6	30.0
trans-1,3-Dichloropropene	Ave	0.4936	0.4821		9.65	9.88	-2.3	30.0
1,1,2-Trichloroethane	Ave	0.3331	0.3392		10.7	10.5	1.8	30.0
Tetrachloroethene	Ave	0.6082	0.4590		7.92	10.5	-24.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.127	1.042		9.24	9.99	-7.5	30.0
Dibromochloromethane	Ave	0.5814	0.6209		10.3	9.68	6.8	30.0
1,2-Dibromoethane	Ave	0.5322	0.5325		10.6	10.6	0.0	30.0
Chlorobenzene	Ave	0.8018	0.7814		10.2	10.5	-2.5	30.0
Ethylbenzene	Ave	1.424	1.428		10.2	10.2	0.3	30.0
n-Nonane	Ave	0.9098	0.9113		10.5	10.5	0.2	30.0
m,p-Xylene	Ave	0.5360	0.5295		20.3	20.6	-1.2	30.0
Xylene, o-	Ave	0.5097	0.5048		10.3	10.4	-1.0	30.0
Styrene	Ave	0.8141	0.8148		10.3	10.3	0.0	30.0
Bromoform	Ave	0.4681	0.5558		12.2	10.3	18.7	30.0
Cumene	Ave	1.507	1.488		10.3	10.4	-1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8709	0.8672		10.3	10.3	-0.4	30.0
1,2,3-Trichloropropane	Ave	0.7184	0.7115		10.5	10.6	-1.0	30.0
n-Propylbenzene	Ave	2.020	1.994		10.3	10.4	-1.3	30.0
2-Chlorotoluene	Ave	1.392	1.364		10.2	10.4	-2.0	30.0
4-Ethyltoluene	Ave	1.602	1.591		10.3	10.3	-0.7	30.0
n-Decane	Ave	1.160	1.192		10.7	10.4	2.7	30.0
1,3,5-Trimethylbenzene	Ave	1.266	1.266		10.4	10.4	-0.0	30.0
Alpha Methyl Styrene	Ave	0.6508	0.6601		10.3	10.2	1.4	30.0
tert-Butylbenzene	Ave	1.220	1.186		10.1	10.4	-2.7	30.0
1,2,4-Trimethylbenzene	Ave	1.281	1.256		10.2	10.4	-2.0	30.0
sec-Butylbenzene	Ave	1.952	1.905		10.2	10.5	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
 SDG No.: 200-59052-1
 Lab Sample ID: ICV 200-167921/16 Calibration Date: 06/15/2021 03:33
 Instrument ID: CHC.i Calib Start Date: 06/14/2021 15:44
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/14/2021 23:55
 Lab File ID: 46375-16.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-Isopropyltoluene	Ave	1.648	1.609		10.1	10.3	-2.4	30.0
1,3-Dichlorobenzene	Ave	0.9037	0.8508		9.96	10.6	-5.9	30.0
1,4-Dichlorobenzene	Ave	0.8932	0.8198		9.61	10.5	-8.2	30.0
Benzyl chloride	Ave	1.210	1.164		10.2	10.6	-3.8	30.0
n-Butylbenzene	Ave	1.669	1.659		10.3	10.4	-0.6	30.0
n-Undecane	Ave	1.377	1.384		10.5	10.5	0.6	30.0
1,2-Dichlorobenzene	Ave	0.9034	0.8190		9.46	10.4	-9.3	30.0
n-Dodecane	Ave	1.064	1.254		11.0	9.36	17.9	30.0
1,2,4-Trichlorobenzene	Ave	0.6497	0.6959		11.6	10.9	7.1	30.0
Hexachlorobutadiene	Ave	0.7232	0.6688		9.49	10.3	-7.5	30.0
Naphthalene	Ave	1.417	1.628		11.2	9.72	14.9	30.0
1,2,3-Trichlorobenzene	Ave	0.5410	0.6247		10.5	9.12	15.5	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-16.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 15-Jun-2021 03:33:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-016
 Misc. Info.: viblk
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:33:22 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.827	2.827	0.000	98	538106	10.3	10.4	
2 Dichlorodifluoromethane	85	2.886	2.886	0.000	99	1137533	10.4	10.9	
3 Chlorodifluoromethane	51	2.929	2.929	0.000	97	868797	10.5	11.1	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.126	3.126	0.000	98	1136060	10.4	10.8	
5 Chloromethane	50	3.238	3.238	0.000	99	507715	10.9	11.2	
6 Butane	43	3.431	3.431	0.000	98	777335	10.4	10.4	
7 Vinyl chloride	62	3.457	3.457	0.000	98	483694	10.4	10.6	
8 Butadiene	54	3.527	3.527	0.000	98	370852	10.1	10.2	
10 Bromomethane	94	4.130	4.130	0.000	98	383317	10.3	10.9	
11 Chloroethane	64	4.354	4.354	0.000	99	248706	10.4	11.7	
12 2-Methylbutane	43	4.455	4.455	0.000	95	698635	10.4	13.1	
9 BFB									
13 Vinyl bromide	106	4.722	4.722	0.000	99	360887	10.4	11.2	
14 Trichlorofluoromethane	101	4.839	4.839	0.000	98	990199	10.6	11.7	
16 Pentane	43	4.994	4.994	0.000	96	1022844	10.1	11.5	
17 Ethanol	45	5.416	5.416	0.000	98	464536	15.0	15.5	
18 Ethyl ether	59	5.512	5.512	0.000	91	329136	10.1	11.2	
19 Acrolein	56	5.805	5.805	0.000	96	176944	9.72	9.41	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.896	5.896	0.000	92	780781	10.5	11.1	
21 1,1-Dichloroethene	96	5.902	5.902	0.000	92	374326	10.3	10.9	
22 Acetone	43	6.120	6.120	0.000	98	848400	10.2	10.4	
23 Carbon disulfide	76	6.264	6.264	0.000	100	1263793	10.2	10.8	
24 Isopropyl alcohol	45	6.489	6.489	0.000	100	908609	10.2	9.69	
25 3-Chloro-1-propene	41	6.654	6.654	0.000	91	465735	10.6	7.84	
26 Acetonitrile	41	6.713	6.713	0.000	99	439754	9.90	9.21	
27 Methylene Chloride	49	6.932	6.932	0.000	97	621335	10.3	10.7	
28 2-Methyl-2-propanol	59	7.268	7.268	0.000	95	913084	10.8	10.2	
31 trans-1,2-Dichloroethene	61	7.391	7.391	0.000	93	734062	10.2	11.5	
29 Methyl tert-butyl ether	73	7.412	7.412	0.000	98	1253917	10.4	11.6	
32 Acrylonitrile	53	7.471	7.471	0.000	94	381669	10.1	11.2	
33 Hexane	57	7.828	7.828	0.000	95	799524	10.6	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.228	8.228	0.000	99	889362	10.0	11.3	
35 Vinyl acetate	43	8.335	8.335	0.000	100	1504716	10.4	10.4	
37 cis-1,2-Dichloroethene	96	9.312	9.312	0.000	98	415155	10.1	9.95	
38 2-Butanone (MEK)	72	9.365	9.365	0.000	98	228687	10.3	9.96	
39 Ethyl acetate	88	9.461	9.461	0.000	99	34881	10.1	10.3	
* 40 Chlorobromomethane	128	9.755	9.755	0.000	93	580142	20.0	20.0	
41 Tetrahydrofuran	42	9.813	9.813	0.000	94	723433	9.99	9.40	
42 Chloroform	83	9.910	9.910	0.000	96	900165	10.1	10.4	
44 1,1,1-Trichloroethane	97	10.182	10.182	0.000	95	860870	10.2	10.5	
43 Cyclohexane	84	10.192	10.192	0.000	91	575412	10.1	10.5	
S 30 1,2-Dichloroethene, Total	61				0		20.3	21.5	
45 Carbon tetrachloride	117	10.449	10.449	0.000	96	816036	10.2	10.6	
47 Benzene	78	10.876	10.876	0.000	98	1423189	10.3	10.6	
46 Isooctane	57	10.929	10.929	0.000	98	2757931	10.5	11.1	
48 1,2-Dichloroethane	62	11.025	11.025	0.000	95	635110	10.4	11.0	
49 n-Heptane	43	11.335	11.335	0.000	97	1259357	10.5	11.2	
* 50 1,4-Difluorobenzene	114	11.724	11.724	0.000	97	2940663	20.0	20.0	
53 Trichloroethene	95	12.194	12.194	0.000	94	568774	10.5	9.90	
52 n-Butanol	56	12.194	12.194	0.000	97	351549	9.55	9.16	
A 51 GRO	1	12.671	(4.445-20.898)		0	199302332	649.9	0	
54 1,2-Dichloropropane	63	12.695	12.695	0.000	89	582662	10.3	10.5	
55 Methyl methacrylate	69	12.936	12.936	0.000	88	515437	10.2	10.2	
57 Dibromomethane	174	12.946	12.946	0.000	97	465781	10.3	9.68	
56 1,4-Dioxane	88	12.978	12.978	0.000	97	234506	10.6	9.85	
58 Dichlorobromomethane	83	13.272	13.272	0.000	97	905034	10.6	10.9	
60 cis-1,3-Dichloropropene	75	14.232	14.232	0.000	98	861216	10.4	10.6	
A 59 TVOC as Toluene	1	14.353	(2.817-25.888)		0	309163229	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.553	14.553	0.000	97	1500949	10.2	10.3	
A 63 Toluene Range	1	14.846	(14.806-14.886)		0	3908880	NC	NC	
65 Toluene	92	14.846	14.846	0.000	92	894830	10.2	10.4	
A 62 C8 Range	1	15.017	(14.967-15.067)		0	5223647	NC	NC	
64 n-Octane	43	15.017	15.017	0.000	99	1634432	10.3	10.4	
66 trans-1,3-Dichloropropene	75	15.439	15.439	0.000	95	700193	9.88	9.65	
67 1,1,2-Trichloroethane	83	15.801	15.801	0.000	97	473090	10.5	10.7	
68 Tetrachloroethene	166	15.972	15.972	0.000	95	641451	10.5	7.92	
69 2-Hexanone	43	16.308	16.308	0.000	89	1385268	9.99	9.24	
71 Chlorodibromomethane	129	16.570	16.570	0.000	97	799987	9.68	10.3	
72 Ethylene Dibromide	107	16.821	16.821	0.000	98	751989	10.6	10.6	
* 74 Chlorobenzene-d5	117	17.755	17.755	0.000	91	2662435	20.0	20.0	
75 Chlorobenzene	112	17.814	17.814	0.000	90	1091037	10.5	10.2	
76 Ethylbenzene	91	17.990	17.990	0.000	99	1942202	10.2	10.2	
77 n-Nonane	57	18.214	18.214	0.000	95	1271139	10.5	10.5	
78 m-Xylene & p-Xylene	106	18.246	18.246	0.000	0	1449023	20.6	20.3	
79 o-Xylene	106	19.078	19.078	0.000	98	696058	10.4	10.3	
80 Styrene	104	19.126	19.126	0.000	98	1119130	10.3	10.3	
81 Bromoform	173	19.537	19.537	0.000	95	761248	10.3	12.2	
82 Isopropylbenzene	105	19.826	19.826	0.000	97	2066109	10.4	10.3	
S 73 Xylenes, Total	106				0		30.9	30.6	
* 83 4-Bromofluorobenzene	95	20.210	20.210	0.000	87	2080166	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.514	20.514	0.000	97	1193435	10.3	10.3	
86 1,2,3-Trichloropropane	75	20.599	20.599	0.000	96	1002884	10.6	10.5	
85 N-Propylbenzene	91	20.621	20.621	0.000	98	2760759	10.4	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.818	20.818	0.000	97	1895003	10.4	10.2	
88 4-Ethyltoluene	105	20.829	20.829	0.000	98	2187942	10.3	10.3	
87 n-Decane	57	20.888	20.888	0.000	84	1652733	10.4	10.7	
90 1,3,5-Trimethylbenzene	105	20.946	20.946	0.000	92	1750632	10.4	10.4	
91 Alpha Methyl Styrene	118	21.336	21.336	0.000	86	896104	10.2	10.3	
92 tert-Butylbenzene	119	21.464	21.464	0.000	91	1635435	10.4	10.1	
93 1,2,4-Trimethylbenzene	105	21.565	21.565	0.000	99	1738396	10.4	10.2	
94 sec-Butylbenzene	105	21.811	21.811	0.000	99	2652199	10.5	10.2	
95 4-Isopropyltoluene	119	22.030	22.030	0.000	97	2208161	10.3	10.1	
96 1,3-Dichlorobenzene	146	22.035	22.035	0.000	98	1198018	10.6	9.96	
97 1,4-Dichlorobenzene	146	22.174	22.174	0.000	92	1142416	10.5	9.61	
98 Benzyl chloride	91	22.366	22.366	0.000	97	1638698	10.6	10.2	
100 n-Butylbenzene	91	22.611	22.611	0.000	98	2293893	10.4	10.3	
99 Undecane	57	22.691	22.691	0.000	93	1926903	10.5	10.5	
101 1,2-Dichlorobenzene	146	22.702	22.702	0.000	95	1137999	10.4	9.46	
102 Dodecane	57	24.186	24.186	0.000	91	1562437	9.36	11.0	
103 1,2,4-Trichlorobenzene	180	25.029	25.029	0.000	93	1005867	10.9	11.6	
104 Hexachlorobutadiene	225	25.237	25.237	0.000	97	913351	10.3	9.49	
105 Naphthalene	128	25.440	25.440	0.000	98	2106297	9.72	11.2	
106 1,2,3-Trichlorobenzene	180	25.878	25.878	0.000	94	758317	9.12	10.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00765

Amount Added: 200.00

Units: mL

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 15-Jun-2021 10:33:23

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-16.D

Injection Date: 15-Jun-2021 03:33:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: icv

Worklist Smp#: 16

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

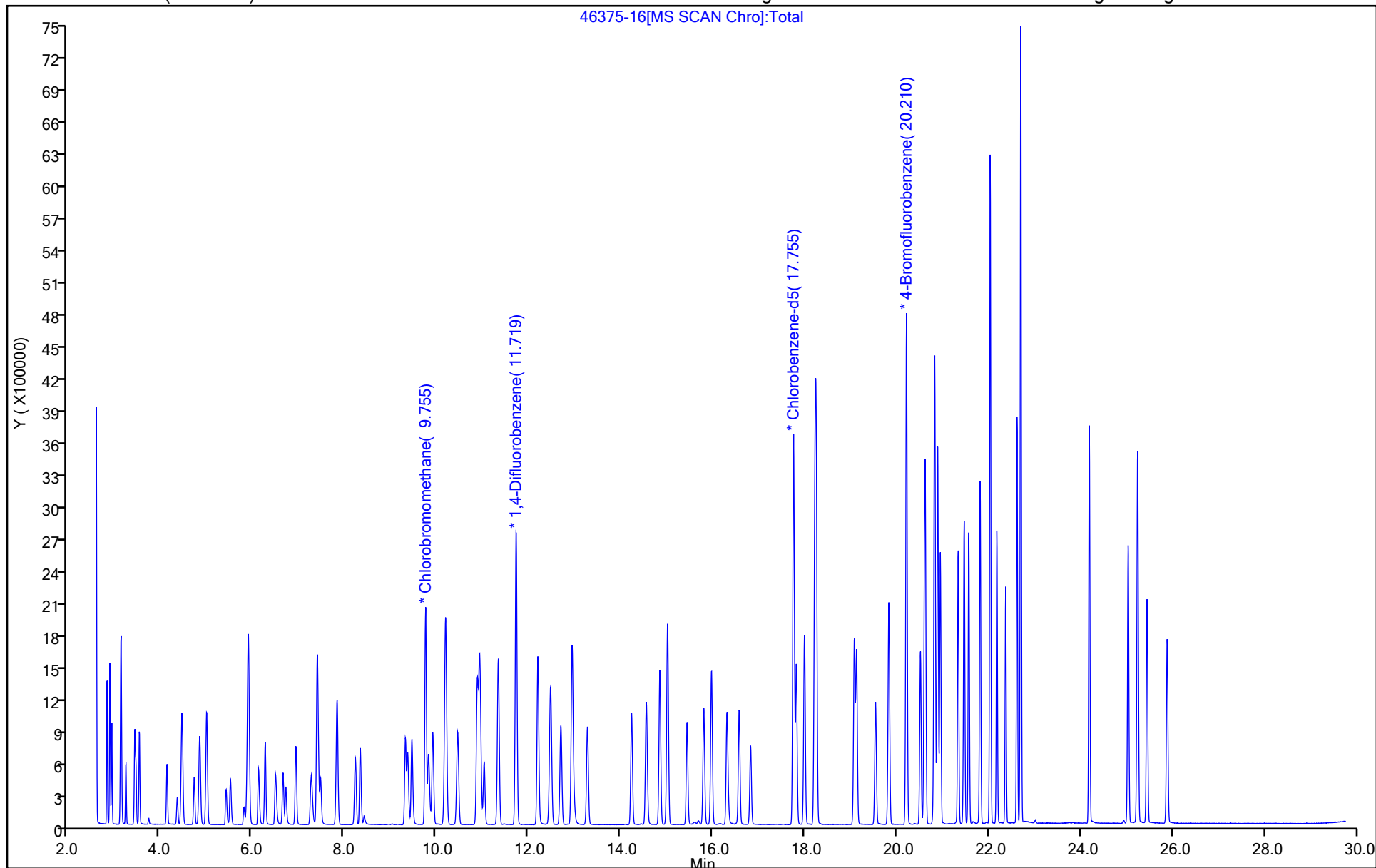
ALS Bottle#: 15

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
 SDG No.: 200-59052-1
 Lab Sample ID: CCVIS 200-168404/2 Calibration Date: 06/25/2021 08:22
 Instrument ID: CHC.i Calib Start Date: 06/14/2021 15:44
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/14/2021 23:55
 Lab File ID: 46569-02.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
Propylene	Ave	1.786	1.666		9.62	10.3	-6.7	30.0
Dichlorodifluoromethane	Ave	3.586	3.593		10.5	10.4	0.2	30.0
Freon 22	Ave	2.689	2.678		10.4	10.5	-0.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.615	3.649		10.5	10.4	0.9	30.0
Chloromethane	Ave	1.556	1.513		10.6	10.9	-2.8	30.0
n-Butane	Ave	2.570	2.315		9.33	10.4	-9.9	30.0
Vinyl chloride	Ave	1.577	1.466		9.66	10.4	-7.0	30.0
1,3-Butadiene	Ave	1.252	1.135		9.17	10.1	-9.3	30.0
Bromomethane	Ave	1.213	1.210		10.3	10.3	-0.3	30.0
Chloroethane	Ave	0.7346	0.7668		10.8	10.4	4.4	30.0
Isopentane	Ave	1.842	1.963		11.1	10.4	6.6	30.0
Bromoethene (Vinyl Bromide)	Ave	1.110	1.139		10.7	10.4	2.7	30.0
Trichlorofluoromethane	Ave	2.909	2.961		10.7	10.6	1.8	30.0
n-Pentane	Ave	3.076	3.002		9.88	10.1	-2.4	30.0
Ethanol	Ave	1.034	1.062		15.4	15.0	2.8	30.0
Ethyl ether	Ave	1.016	1.079		10.7	10.1	6.2	30.0
Acrolein	Ave	0.6482	0.5109		7.66	9.72	-21.2	30.0
Freon TF	Ave	2.425	2.441		10.6	10.5	0.7	30.0
1,1-Dichloroethene	Ave	1.189	1.216		10.5	10.3	2.2	30.0
Acetone	Ave	2.822	2.498		9.06	10.2	-11.5	30.0
Carbon disulfide	Ave	4.029	4.046		10.2	10.2	0.4	30.0
Isopropyl alcohol	Ave	3.232	2.865		9.06	10.2	-11.4	30.0
3-Chloropropene	Ave	2.048	1.897		9.86	10.6	-7.4	30.0
Acetonitrile	Ave	1.646	1.499		9.01	9.90	-9.0	30.0
Methylene Chloride	Ave	2.009	1.948		9.97	10.3	-3.0	30.0
tert-Butyl alcohol	Ave	3.099	2.894		10.1	10.8	-6.6	30.0
trans-1,2-Dichloroethene	Ave	2.195	2.283		10.6	10.2	4.0	30.0
Methyl tert-butyl ether	Ave	3.711	3.866		10.9	10.4	4.2	30.0
Acrylonitrile	Ave	1.180	1.188		10.2	10.1	0.7	30.0
n-Hexane	Ave	2.248	2.384		11.2	10.6	6.1	30.0
1,1-Dichloroethane	Ave	2.715	2.830		10.4	10.0	4.2	30.0
Vinyl acetate	Ave	4.994	3.957		8.23	10.4	-20.8	30.0
cis-1,2-Dichloroethene	Ave	1.439	1.386		9.73	10.1	-3.6	30.0
Methyl Ethyl Ketone	Ave	0.7918	0.7528		9.83	10.3	-4.9	30.0
Ethyl acetate	Ave	0.1171	0.1116		9.65	10.1	-4.7	30.0
Tetrahydrofuran	Ave	0.5232	0.4758		9.08	9.99	-9.1	30.0
Chloroform	Ave	2.984	2.950		9.98	10.1	-1.2	30.0
1,1,1-Trichloroethane	Ave	0.5553	0.5500		10.1	10.2	-1.0	30.0
Cyclohexane	Ave	0.3721	0.3742		10.2	10.1	0.6	30.0
Carbon tetrachloride	Ave	0.5256	0.5205		10.1	10.2	-1.0	30.0

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Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
 SDG No.: 200-59052-1
 Lab Sample ID: CCVIS 200-168404/2 Calibration Date: 06/25/2021 08:22
 Instrument ID: CHC.i Calib Start Date: 06/14/2021 15:44
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/14/2021 23:55
 Lab File ID: 46569-02.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
Benzene	Ave	0.9131	0.9228		10.4	10.3	1.1	30.0
2,2,4-Trimethylpentane	Ave	1.682	1.762		11.0	10.5	4.7	30.0
1,2-Dichloroethane	Ave	0.3919	0.4009		10.6	10.4	2.3	30.0
n-Heptane	Ave	0.7636	0.7959		11.0	10.5	4.2	30.0
Trichloroethene	Ave	0.3908	0.3721		10.0	10.5	-4.8	30.0
n-Butanol	Ave	0.2609	0.2766		10.1	9.55	6.0	30.0
1,2-Dichloropropane	Ave	0.3765	0.3904		10.7	10.3	3.7	30.0
Methyl methacrylate	Ave	0.3435	0.3542		10.5	10.2	3.1	30.0
Dibromomethane	Ave	0.3272	0.3294		10.4	10.3	0.7	30.0
1,4-Dioxane	Ave	0.1618	0.1668		10.9	10.6	3.1	30.0
Bromodichloromethane	Ave	0.5628	0.5607		10.5	10.6	-0.4	30.0
cis-1,3-Dichloropropene	Ave	0.5519	0.5687		10.7	10.4	3.0	30.0
Methyl isobutyl ketone	Ave	0.9907	1.043		10.8	10.2	5.3	30.0
Toluene	Ave	0.6449	0.6577		10.4	10.2	2.0	30.0
n-Octane	Ave	1.070	1.102		10.6	10.3	3.0	30.0
trans-1,3-Dichloropropene	Ave	0.4936	0.4998		10.0	9.88	1.2	30.0
1,1,2-Trichloroethane	Ave	0.3331	0.3384		10.6	10.5	1.6	30.0
Tetrachloroethene	Ave	0.6082	0.5034		8.69	10.5	-17.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.127	1.119		9.92	9.99	-0.7	30.0
Dibromochloromethane	Ave	0.5814	0.5408		9.00	9.68	-7.0	30.0
1,2-Dibromoethane	Ave	0.5322	0.5311		10.6	10.6	-0.2	30.0
Chlorobenzene	Ave	0.8018	0.7727		10.1	10.5	-3.6	30.0
Ethylbenzene	Ave	1.424	1.421		10.2	10.2	-0.2	30.0
n-Nonane	Ave	0.9098	0.9350		10.8	10.5	2.8	30.0
m,p-Xylene	Ave	0.5360	0.5222		20.0	20.6	-2.6	30.0
Xylene, o-	Ave	0.5097	0.5011		10.2	10.4	-1.7	30.0
Styrene	Ave	0.8141	0.8123		10.3	10.3	-0.2	30.0
Bromoform	Ave	0.4681	0.3591		7.89	10.3	-23.3	30.0
Cumene	Ave	1.507	1.471		10.2	10.4	-2.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8709	0.8396		9.97	10.3	-3.6	30.0
1,2,3-Trichloropropane	Ave	0.7184	0.7081		10.4	10.6	-1.4	30.0
n-Propylbenzene	Ave	2.020	1.945		10.0	10.4	-3.7	30.0
2-Chlorotoluene	Ave	1.392	1.315		9.86	10.4	-5.5	30.0
4-Ethyltoluene	Ave	1.602	1.523		9.82	10.3	-5.0	30.0
n-Decane	Ave	1.160	1.181		10.6	10.4	1.8	30.0
1,3,5-Trimethylbenzene	Ave	1.266	1.182		9.70	10.4	-6.6	30.0
Alpha Methyl Styrene	Ave	0.6508	0.6236		9.77	10.2	-4.2	30.0
tert-Butylbenzene	Ave	1.220	1.123		9.54	10.4	-7.9	30.0
1,2,4-Trimethylbenzene	Ave	1.281	1.208		9.80	10.4	-5.7	30.0
sec-Butylbenzene	Ave	1.952	1.843		9.88	10.5	-5.6	30.0

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 Instrument ID: CHC.i Calib Start Date: 06/14/2021 15:44
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/14/2021 23:55
 Lab File ID: 46569-02.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-Isopropyltoluene	Ave	1.648	1.530		9.57	10.3	-7.2	30.0
1,3-Dichlorobenzene	Ave	0.9037	0.8002		9.37	10.6	-11.5	30.0
1,4-Dichlorobenzene	Ave	0.8932	0.7803		9.14	10.5	-12.6	30.0
Benzyl chloride	Ave	1.210	1.123		9.81	10.6	-7.3	30.0
n-Butylbenzene	Ave	1.669	1.624		10.1	10.4	-2.6	30.0
n-Undecane	Ave	1.377	1.395		10.6	10.5	1.4	30.0
1,2-Dichlorobenzene	Ave	0.9034	0.7566		8.74	10.4	-16.2	30.0
n-Dodecane	Ave	1.064	1.188		10.4	9.36	11.6	30.0
1,2,4-Trichlorobenzene	Ave	0.6497	0.6217		10.4	10.9	-4.3	30.0
Hexachlorobutadiene	Ave	0.7232	0.6184		8.77	10.3	-14.5	30.0
Naphthalene	Ave	1.417	1.484		10.2	9.72	4.7	30.0
1,2,3-Trichlorobenzene	Ave	0.5410	0.5312		8.95	9.12	-1.8	30.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-02.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 25-Jun-2021 08:22:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046569-002
 Operator ID: vtp Instrument ID: CHC.i
 Sublist: chrom-TO15_MasterMethod_(v1)_CHC.i*sub10
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 28-Jun-2021 09:43:03 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: bunmaa

Date: 28-Jun-2021 09:43:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.828	2.828	0.000	97	458422	10.3	9.62	
2 Dichlorodifluoromethane	85	2.892	2.892	0.000	99	1000218	10.4	10.5	
3 Chlorodifluoromethane	51	2.929	2.929	0.000	97	748384	10.5	10.4	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.132	3.132	0.000	98	1012873	10.4	10.5	
5 Chloromethane	50	3.238	3.238	0.000	99	440597	10.9	10.6	
6 Butane	43	3.431	3.431	0.000	99	639632	10.4	9.33	
7 Vinyl chloride	62	3.457	3.457	0.000	98	406107	10.4	9.66	
8 Butadiene	54	3.532	3.532	0.000	98	306253	10.1	9.17	
10 Bromomethane	94	4.130	4.130	0.000	99	332648	10.3	10.3	
11 Chloroethane	64	4.354	4.354	0.000	99	212460	10.4	10.8	
12 2-Methylbutane	43	4.455	4.455	0.000	94	546503	10.4	11.1	
9 BFB									
13 Vinyl bromide	106	4.722	4.722	0.000	99	316558	10.4	10.7	
14 Trichlorofluoromethane	101	4.840	4.840	0.000	98	833905	10.6	10.7	
16 Pentane	43	4.989	4.989	0.000	97	811015	10.1	9.88	
17 Ethanol	45	5.416	5.416	0.000	97	425058	15.0	15.4	
18 Ethyl ether	59	5.512	5.512	0.000	92	289935	10.1	10.7	
19 Acrolein	56	5.806	5.806	0.000	95	132439	9.72	7.66	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.891	5.891	0.000	92	682771	10.5	10.6	
21 1,1-Dichloroethene	96	5.902	5.902	0.000	94	333241	10.3	10.5	
22 Acetone	43	6.126	6.126	0.000	98	681998	10.2	9.06	
23 Carbon disulfide	76	6.264	6.264	0.000	100	1096240	10.2	10.2	
24 Isopropyl alcohol	45	6.494	6.494	0.000	100	780857	10.2	9.06	
25 3-Chloro-1-propene	41	6.654	6.654	0.000	92	538675	10.6	9.86	
26 Acetonitrile	41	6.713	6.713	0.000	99	395671	9.90	9.01	
27 Methylene Chloride	49	6.932	6.932	0.000	97	534063	10.3	9.97	
28 2-Methyl-2-propanol	59	7.273	7.273	0.000	94	831970	10.8	10.1	
31 trans-1,2-Dichloroethene	61	7.391	7.391	0.000	93	620899	10.2	10.6	
29 Methyl tert-butyl ether	73	7.412	7.412	0.000	98	1077463	10.4	10.9	
32 Acrylonitrile	53	7.471	7.471	0.000	95	320343	10.1	10.2	
33 Hexane	57	7.823	7.823	0.000	94	673311	10.6	11.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	8.223	8.223	0.000	99	754643	10.0	10.4	
35 Vinyl acetate	43	8.330	8.330	0.000	100	1096461	10.4	8.23	
37 cis-1,2-Dichloroethene	96	9.312	9.312	0.000	97	373406	10.1	9.73	
38 2-Butanone (MEK)	72	9.365	9.365	0.000	98	207588	10.3	9.83	
39 Ethyl acetate	88	9.461	9.461	0.000	99	30157	10.1	9.65	
* 40 Chlorobromomethane	128	9.749	9.749	0.000	93	533444	20.0	20.0	
41 Tetrahydrofuran	42	9.824	9.824	0.000	94	636194	9.99	9.08	
42 Chloroform	83	9.910	9.910	0.000	96	794502	10.1	9.98	
44 1,1,1-Trichloroethane	97	10.182	10.182	0.000	96	750088	10.2	10.1	
43 Cyclohexane	84	10.192	10.192	0.000	93	508403	10.1	10.2	
S 30 1,2-Dichloroethene, Total	61				0		20.3	20.3	
45 Carbon tetrachloride	117	10.449	10.449	0.000	97	707830	10.2	10.1	
47 Benzene	78	10.870	10.870	0.000	98	1275865	10.3	10.4	
46 Isooctane	57	10.924	10.924	0.000	98	2469405	10.5	11.0	
48 1,2-Dichloroethane	62	11.020	11.020	0.000	95	555875	10.4	10.6	
49 n-Heptane	43	11.329	11.329	0.000	97	1119537	10.5	11.0	
* 50 1,4-Difluorobenzene	114	11.719	11.719	0.000	97	2677427	20.0	20.0	
53 Trichloroethene	95	12.188	12.188	0.000	94	524503	10.5	10.0	
52 n-Butanol	56	12.199	12.199	0.000	96	353527	9.55	10.1	
A 51 GRO	1	12.669	(4.445-20.892)		0	177052896	649.9	0	
54 1,2-Dichloropropane	63	12.690	12.690	0.000	89	538753	10.3	10.7	
55 Methyl methacrylate	69	12.930	12.930	0.000	88	481608	10.2	10.5	
57 Dibromomethane	174	12.946	12.946	0.000	96	454167	10.3	10.4	
56 1,4-Dioxane	88	12.978	12.978	0.000	96	236237	10.6	10.9	
58 Dichlorobromomethane	83	13.272	13.272	0.000	97	793266	10.6	10.5	
60 cis-1,3-Dichloropropene	75	14.232	14.232	0.000	98	790846	10.4	10.7	
A 59 TVOC as Toluene	1	14.350	(2.818-25.882)		0	271342777	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.553	14.553	0.000	97	1430196	10.2	10.8	
65 Toluene	92	14.841	14.841	0.000	93	799561	10.2	10.4	
A 63 Toluene Range	1	14.841	(14.801-14.881)		0	3509086	NC	NC	
64 n-Octane	43	15.012	15.012	0.000	99	1523041	10.3	10.6	
A 62 C8 Range	1	15.012	(14.962-15.062)		0	4807247	NC	NC	
66 trans-1,3-Dichloropropene	75	15.433	15.433	0.000	95	660877	9.88	10.0	
67 1,1,2-Trichloroethane	83	15.802	15.802	0.000	96	424424	10.5	10.6	
68 Tetrachloroethene	166	15.967	15.967	0.000	95	632533	10.5	8.69	
69 2-Hexanone	43	16.309	16.309	0.000	89	1337746	9.99	9.92	
71 Chlorodibromomethane	129	16.570	16.570	0.000	97	626475	9.68	9.00	
72 Ethylene Dibromide	107	16.816	16.816	0.000	98	674232	10.6	10.6	
* 74 Chlorobenzene-d5	117	17.750	17.750	0.000	92	2393706	20.0	20.0	
75 Chlorobenzene	112	17.808	17.808	0.000	90	969920	10.5	10.1	
76 Ethylbenzene	91	17.990	17.990	0.000	99	1737423	10.2	10.2	
77 n-Nonane	57	18.208	18.208	0.000	95	1172603	10.5	10.8	
78 m-Xylene & p-Xylene	106	18.241	18.241	0.000	0	1284792	20.6	20.0	
79 o-Xylene	106	19.073	19.073	0.000	98	621246	10.4	10.2	
80 Styrene	104	19.121	19.121	0.000	97	1003131	10.3	10.3	
81 Bromoform	173	19.537	19.537	0.000	95	442128	10.3	7.89	
82 Isopropylbenzene	105	19.820	19.820	0.000	97	1835992	10.4	10.2	
S 73 Xylenes, Total	106				0		30.9	30.2	
* 83 4-Bromofluorobenzene	95	20.204	20.204	0.000	85	1864129	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.509	20.509	0.000	97	1038860	10.3	9.97	
86 1,2,3-Trichloropropane	75	20.594	20.594	0.000	96	897356	10.6	10.4	
85 N-Propylbenzene	91	20.615	20.615	0.000	98	2420072	10.4	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.813	20.813	0.000	96	1642980	10.4	9.86	
88 4-Ethyltoluene	105	20.824	20.824	0.000	98	1882343	10.3	9.82	
87 n-Decane	57	20.882	20.882	0.000	83	1472344	10.4	10.6	
90 1,3,5-Trimethylbenzene	105	20.941	20.941	0.000	92	1470142	10.4	9.70	
91 Alpha Methyl Styrene	118	21.331	21.331	0.000	85	761130	10.2	9.77	
92 tert-Butylbenzene	119	21.459	21.459	0.000	90	1392337	10.4	9.54	
93 1,2,4-Trimethylbenzene	105	21.560	21.560	0.000	99	1503710	10.4	9.80	
94 sec-Butylbenzene	105	21.811	21.811	0.000	98	2306862	10.5	9.88	
95 4-Isopropyltoluene	119	22.024	22.024	0.000	96	1887704	10.3	9.57	
96 1,3-Dichlorobenzene	146	22.030	22.030	0.000	98	1013040	10.6	9.37	
97 1,4-Dichlorobenzene	146	22.174	22.174	0.000	92	977587	10.5	9.14	
98 Benzyl chloride	91	22.361	22.361	0.000	97	1421119	10.6	9.81	
100 n-Butylbenzene	91	22.611	22.611	0.000	98	2019597	10.4	10.1	
99 Undecane	57	22.686	22.686	0.000	93	1746671	10.5	10.6	
101 1,2-Dichlorobenzene	146	22.697	22.697	0.000	94	945208	10.4	8.74	
102 Dodecane	57	24.180	24.180	0.000	90	1330448	9.36	10.4	
103 1,2,4-Trichlorobenzene	180	25.024	25.024	0.000	93	807936	10.9	10.4	
104 Hexachlorobutadiene	225	25.232	25.232	0.000	97	759171	10.3	8.77	
105 Naphthalene	128	25.435	25.435	0.000	98	1725787	9.72	10.2	
106 1,2,3-Trichlorobenzene	180	25.872	25.872	0.000	94	579659	9.12	8.95	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00765

Amount Added: 200.00

Units: mL

ATTO15CISs_00011

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 28-Jun-2021 09:43:04

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-02.D

Injection Date: 25-Jun-2021 08:22:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

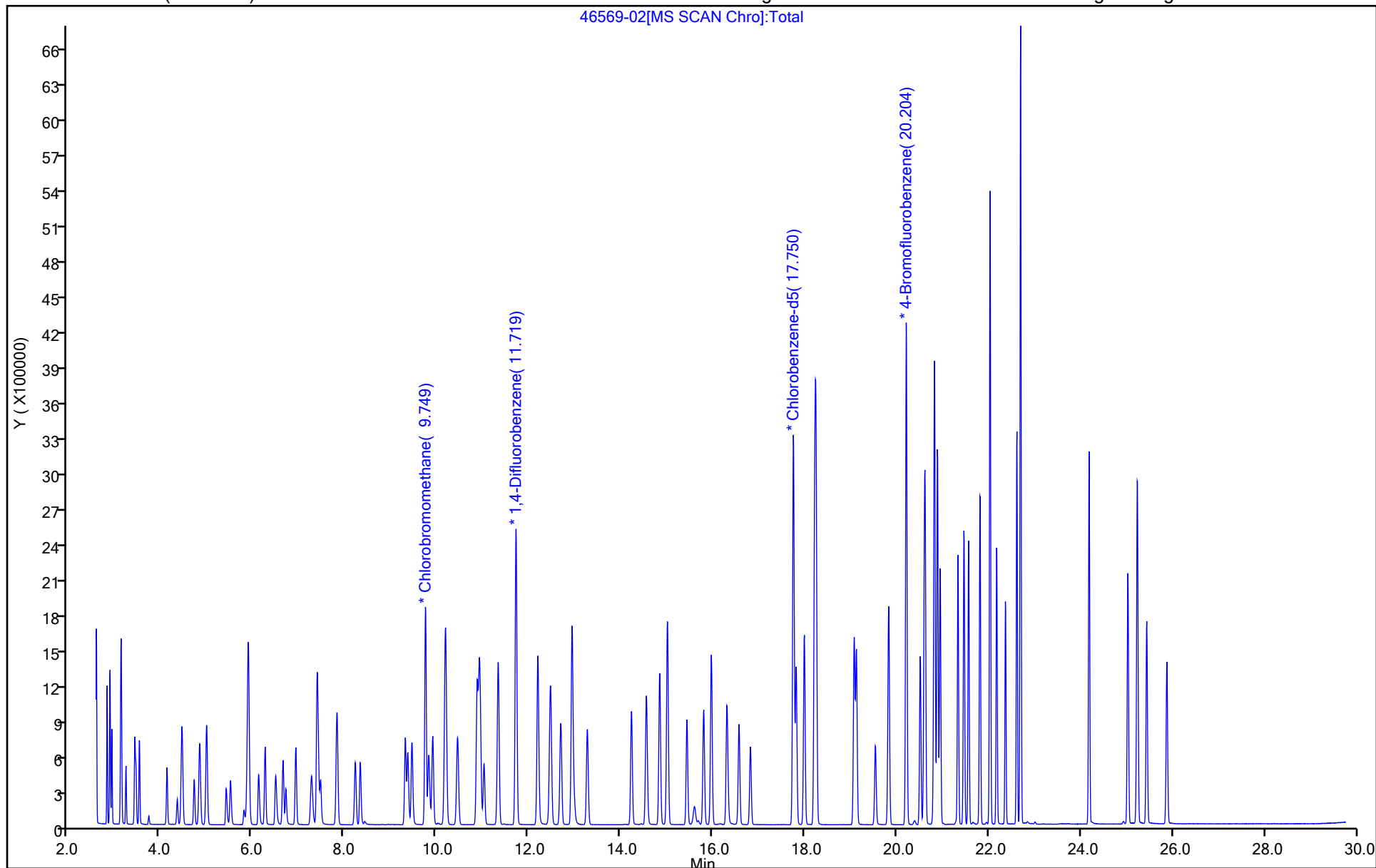
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 14-Jun-2021 13:16:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0046375-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 15-Jun-2021 10:33:22 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: guazzonig

Date: 14-Jun-2021 13:38:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

9 BFB

* 40 Chlorobromomethane	128		9.755				20.0	ND
* 50 1,4-Difluorobenzene	114		11.719				20.0	ND
* 74 Chlorobenzene-d5	117		17.755				20.0	ND
* 83 4-Bromofluorobenzene	95		20.210				20.0	ND

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

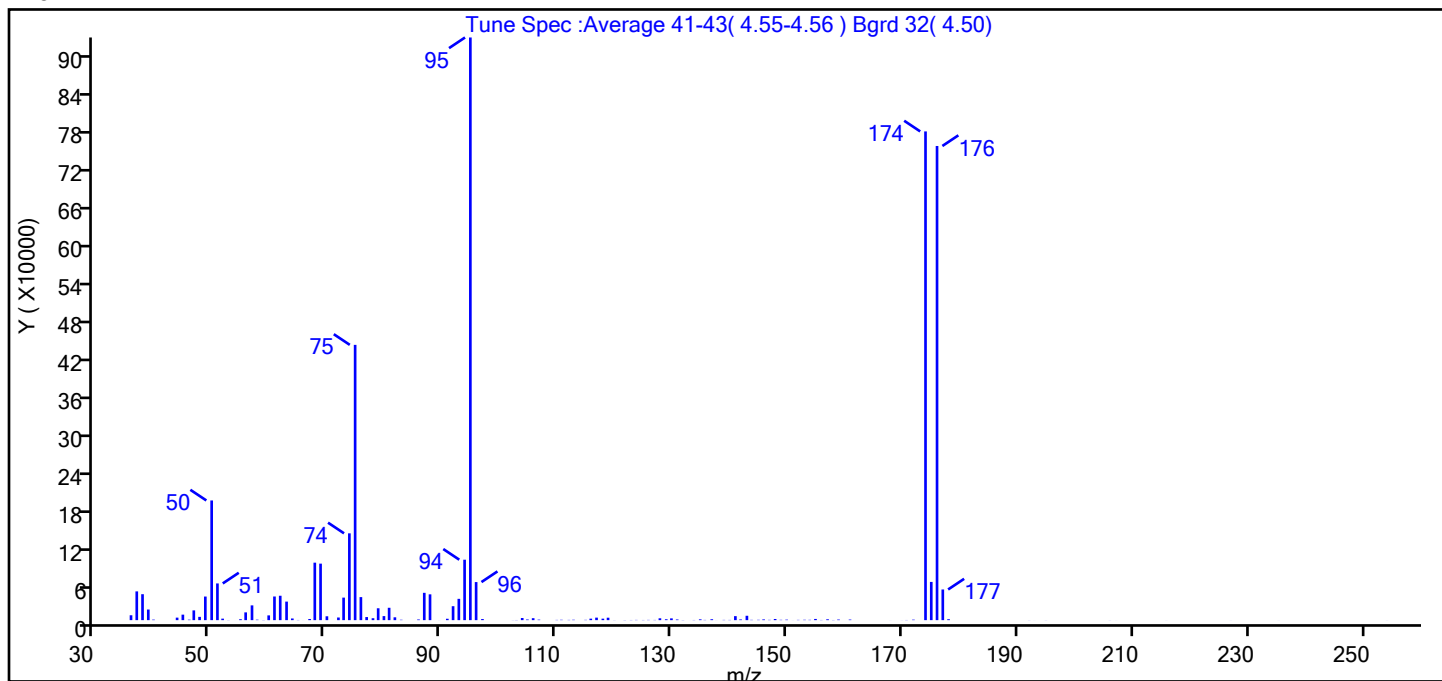
Units: mL

Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-01.D
Injection Date: 14-Jun-2021 13:16:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	20.5
75	30.0 to 66.0 Percent of m/e 95	47.2
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	83.9
175	4.0 to 9.0 Percent of m/e 174	6.6 (7.8)
176	93.0 to 101.0 Percent of m/e 174	81.4 (97.0)
177	5.0 to 9.0 Percent of m/e 176	5.3 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-01.D\TO15_MasterMethod_(v1)_CHC.i
Injection Date: 14-Jun-2021 13:16:30
Spectrum: Tune Spec :Average 41-43(4.55-4.56) Bgrd 32(4.50)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 128

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7725	72.00	4171	113.00	630	147.00	452
37.00	45464	73.00	35616	115.00	461	148.00	1819
38.00	41008	74.00	137216	116.00	2362	149.00	507
39.00	16784	75.00	435136	117.00	3961	150.00	791
40.00	823	76.00	36416	118.00	2338	151.00	56
44.00	3969	77.00	4887	119.00	3848	152.00	427
45.00	8688	78.00	3052	120.00	132	153.00	587
46.00	742	79.00	18776	122.00	211	154.00	499
47.00	15424	80.00	6397	123.00	254	155.00	1894
48.00	5190	81.00	19544	124.00	373	156.00	279
49.00	37304	82.00	4485	125.00	272	157.00	1343
50.00	189184	83.00	604	126.00	396	158.00	244
51.00	58024	86.00	1049	127.00	332	159.00	947
52.00	2374	87.00	43184	128.00	2913	161.00	924
53.00	166	88.00	40800	129.00	1403	168.00	58
54.00	22	90.00	57	130.00	2791	170.00	82
55.00	1440	91.00	2188	131.00	1043	171.00	262
56.00	12270	92.00	22040	132.00	213	172.00	772
57.00	23344	93.00	33680	133.00	29	174.00	772544
58.00	754	94.00	95544	134.00	263	175.00	60416
59.00	224	95.00	921024	135.00	1260	176.00	749504
60.00	7517	96.00	60192	136.00	356	177.00	48464
61.00	37384	97.00	1731	137.00	1430	178.00	1443
62.00	38560	102.00	119	138.00	57	192.00	118
63.00	29312	103.00	245	139.00	395	193.00	43
64.00	2627	104.00	3365	140.00	345	195.00	107
65.00	269	105.00	1017	141.00	6327	206.00	105
66.00	43	106.00	3082	142.00	1107	207.00	43
67.00	1802	107.00	809	143.00	6904	216.00	54
68.00	90856	110.00	382	144.00	462	227.00	54
69.00	89312	111.00	579	145.00	529	235.00	51
70.00	6116	112.00	395	146.00	1162	254.00	66

Report Date: 15-Jun-2021 10:33:22

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-01.D

Injection Date: 14-Jun-2021 13:16:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

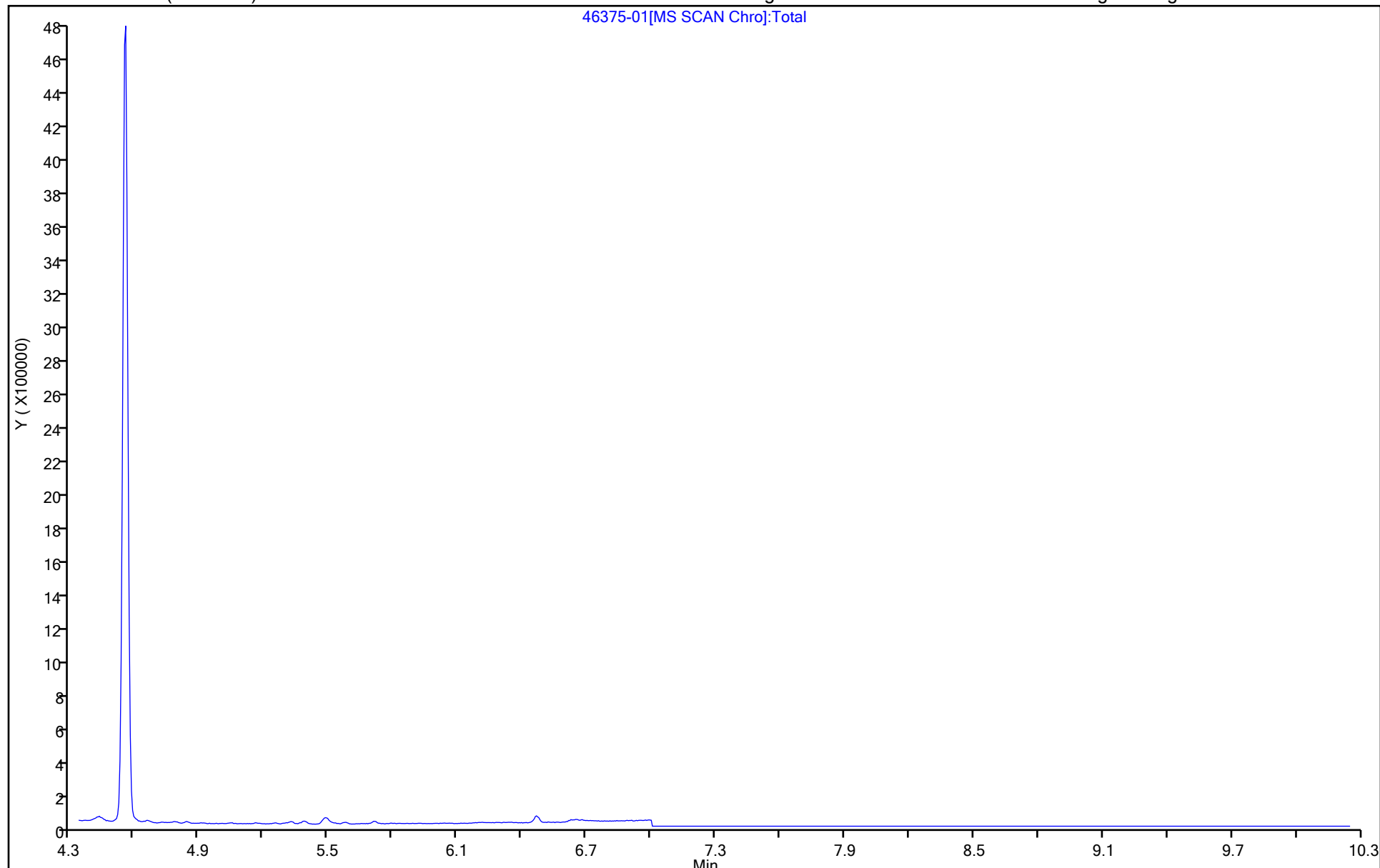
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 25-Jun-2021 07:38:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0046569-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 28-Jun-2021 09:41:37 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: bunmaa

Date: 28-Jun-2021 09:41:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
9 BFB									
* 40 Chlorobromomethane	128		9.749				20.0	ND	
* 50 1,4-Difluorobenzene	114		11.719				20.0	ND	
* 74 Chlorobenzene-d5	117		17.750				20.0	ND	
* 83 4-Bromofluorobenzene	95		20.204				20.0	ND	

QC Flag Legend

Processing Flags

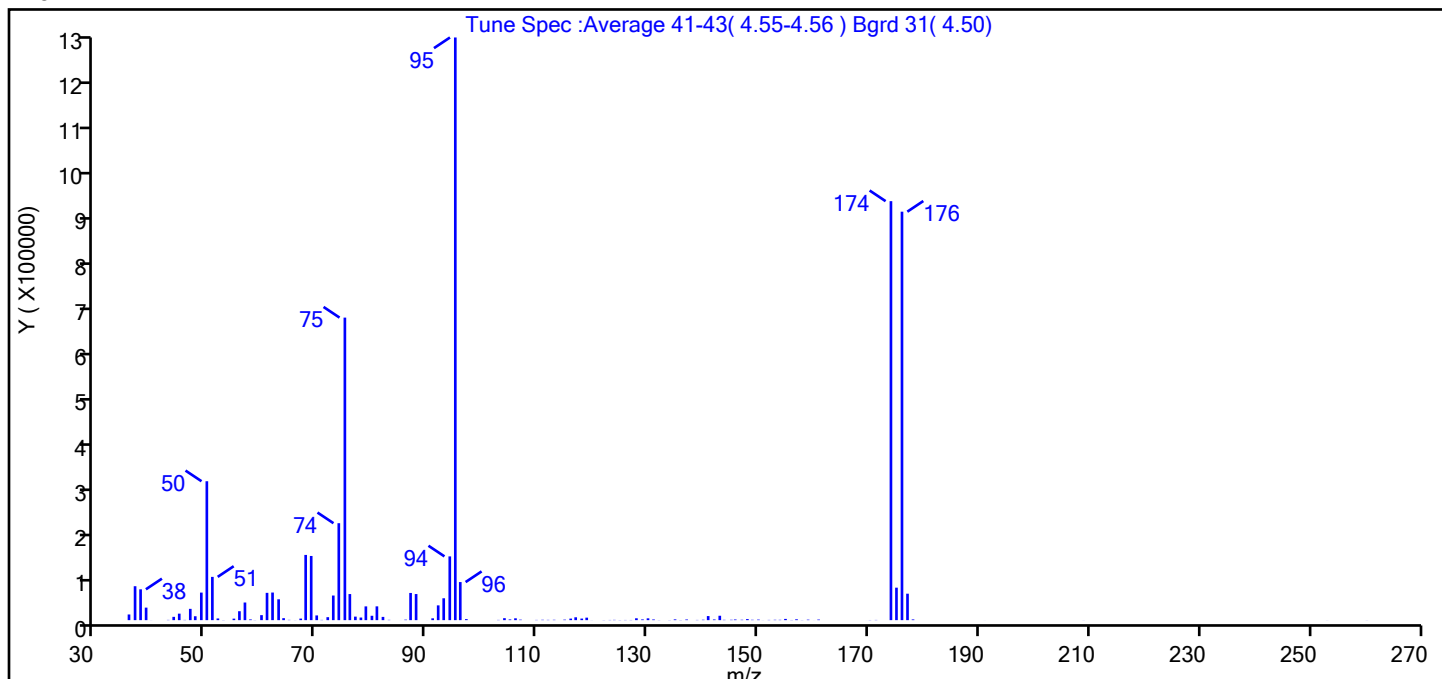
Reagents:

ATTO15CISs_00011 Amount Added: 40.00 Units: mL Run Reagent

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-01.D
Injection Date: 25-Jun-2021 07:38:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	23.8
75	30.0 to 66.0 Percent of m/e 95	51.9
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	71.9
175	4.0 to 9.0 Percent of m/e 174	5.6 (7.8)
176	93.0 to 101.0 Percent of m/e 174	70.1 (97.5)
177	5.0 to 9.0 Percent of m/e 176	4.5 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-01.D\TO15_MasterMethod_(v1)_CHC.i
Injection Date: 25-Jun-2021 07:38:30
Spectrum: Tune Spec :Average 41-43(4.55-4.56) Bgrd 31(4.50)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 122

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	11861	70.00	9863	110.00	489	145.00	762
37.00	71000	71.00	487	111.00	764	146.00	1367
38.00	64512	72.00	6194	112.00	584	147.00	807
39.00	26200	73.00	51496	113.00	748	148.00	2175
40.00	119	74.00	202816	115.00	1055	149.00	757
43.00	510	75.00	632960	116.00	3230	150.00	1157
44.00	6895	76.00	54584	117.00	5961	151.00	113
45.00	13589	77.00	7368	118.00	3290	152.00	499
46.00	485	78.00	5462	119.00	5193	153.00	749
47.00	23632	79.00	28792	120.00	117	154.00	696
48.00	8144	80.00	9133	122.00	248	155.00	2588
49.00	57640	81.00	28856	123.00	395	156.00	342
50.00	290624	82.00	6790	124.00	585	157.00	1764
51.00	90512	83.00	611	125.00	298	158.00	224
52.00	3507	85.00	54	126.00	399	159.00	1028
53.00	260	86.00	1001	127.00	357	160.00	79
55.00	3154	87.00	56880	128.00	3879	161.00	1206
56.00	18680	88.00	54592	129.00	1527	170.00	56
57.00	36888	90.00	53	130.00	3776	170.00	312
58.00	1502	91.00	3816	131.00	1422	171.00	436
59.00	210	92.00	30904	132.00	224	174.00	876608
60.00	10471	93.00	45760	134.00	272	175.00	67944
61.00	57096	94.00	133376	135.00	1592	176.00	854592
62.00	57752	95.00	1219072	136.00	292	177.00	55336
63.00	43624	96.00	79664	137.00	1376	178.00	1487
64.00	4141	97.00	2126	139.00	452	191.00	64
65.00	583	103.00	494	140.00	883	209.00	128
66.00	154	104.00	4126	141.00	8523	253.00	113
67.00	3249	105.00	1526	142.00	1415	260.00	141
68.00	136448	106.00	3847	143.00	9180		
69.00	134272	107.00	1026	144.00	662		

Report Date: 28-Jun-2021 09:41:38

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-01.D

Injection Date: 25-Jun-2021 07:38:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

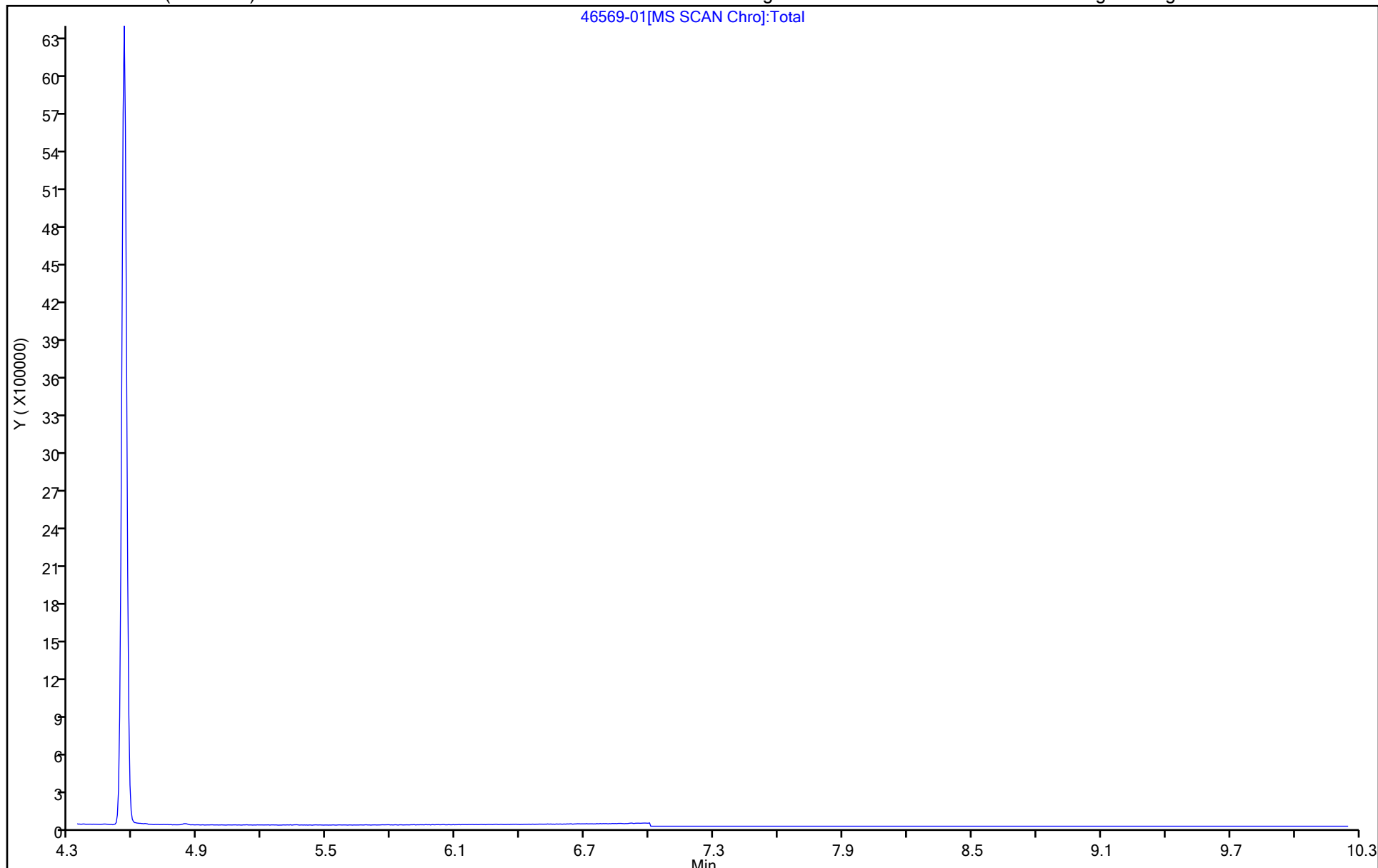
ALS Bottle#: 1

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Client Sample ID: _____ Lab Sample ID: MB 200-168404/4
Matrix: Air Lab File ID: 46569-04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 06/25/2021 10:12
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 168404 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.024
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.027

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Client Sample ID: _____ Lab Sample ID: MB 200-168404/4
Matrix: Air Lab File ID: 46569-04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 06/25/2021 10:12
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 168404 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.18

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 25-Jun-2021 10:12:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046569-004
 Operator ID: vtp Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 28-Jun-2021 09:48:10 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: bunmaa

Date: 28-Jun-2021 09:48:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		2.828					ND	7
2 Dichlorodifluoromethane	85		2.892					ND	7
3 Chlorodifluoromethane	51		2.929					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.132					ND	7
5 Chloromethane	50		3.238					ND	7
6 Butane	43		3.431					ND	7
7 Vinyl chloride	62		3.457					ND	7
8 Butadiene	54		3.532					ND	
10 Bromomethane	94		4.130					ND	7
11 Chloroethane	64		4.354					ND	
12 2-Methylbutane	43		4.455					ND	7
13 Vinyl bromide	106		4.722					ND	
14 Trichlorofluoromethane	101		4.840					ND	7
16 Pentane	43		4.989					ND	7
17 Ethanol	45		5.416					ND	7
18 Ethyl ether	59		5.512					ND	
19 Acrolein	56		5.806					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.891					ND	
21 1,1-Dichloroethene	96		5.902					ND	
22 Acetone	43		6.126					ND	7
23 Carbon disulfide	76		6.264					ND	7
24 Isopropyl alcohol	45		6.494					ND	7
25 3-Chloro-1-propene	41		6.654					ND	7
26 Acetonitrile	41		6.713					ND	7
27 Methylene Chloride	49		6.932					ND	7
28 2-Methyl-2-propanol	59		7.273					ND	
31 trans-1,2-Dichloroethene	61		7.391					ND	7
29 Methyl tert-butyl ether	73		7.412					ND	7
32 Acrylonitrile	53		7.471					ND	
33 Hexane	57		7.823					ND	7
34 1,1-Dichloroethane	63		8.223					ND	
35 Vinyl acetate	43		8.330					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 cis-1,2-Dichloroethene	96		9.312					ND	
38 2-Butanone (MEK)	72		9.365					ND	
39 Ethyl acetate	88		9.461					ND	
* 40 Chlorobromomethane	128	9.749	9.749	0.000	93	524538	20.0	20.0	
41 Tetrahydrofuran	42		9.824					ND	7
42 Chloroform	83		9.910					ND	
44 1,1,1-Trichloroethane	97		10.182					ND	
43 Cyclohexane	84		10.192					ND	
S 30 1,2-Dichloroethene, Total	61		10.200					ND	7
45 Carbon tetrachloride	117		10.449					ND	
47 Benzene	78		10.870					ND	7
46 Isooctane	57		10.924					ND	
48 1,2-Dichloroethane	62		11.020					ND	
49 n-Heptane	43		11.329					ND	MU
* 50 1,4-Difluorobenzene	114	11.719	11.719	0.000	97	2675838	20.0	20.0	
53 Trichloroethene	95		12.188					ND	
52 n-Butanol	56		12.199					ND	
A 51 GRO	1	12.669	(4.445-20.892)		0	760534		0	
54 1,2-Dichloropropane	63		12.690					ND	
55 Methyl methacrylate	69		12.930					ND	
57 Dibromomethane	174		12.946					ND	7
56 1,4-Dioxane	88		12.978					ND	
58 Dichlorobromomethane	83		13.272					ND	
60 cis-1,3-Dichloropropene	75		14.232					ND	7
A 59 TVOC as Toluene	1	14.350	(2.818-25.882)		0	968230		0	
61 4-Methyl-2-pentanone (MIBK)	43		14.553					ND	7
65 Toluene	92		14.841					ND	7
A 63 Toluene Range	1	14.841	(14.801-14.881)		0	7500		NC	
64 n-Octane	43		15.012					ND	7
A 62 C8 Range	1	15.023	(14.984-15.062)		0	7398		NC	
66 trans-1,3-Dichloropropene	75		15.433					ND	7
67 1,1,2-Trichloroethane	83		15.802					ND	
68 Tetrachloroethene	166		15.967					ND	7
69 2-Hexanone	43		16.309					ND	7
71 Chlorodibromomethane	129		16.570					ND	7
72 Ethylene Dibromide	107		16.816					ND	7
* 74 Chlorobenzene-d5	117	17.749	17.750	-0.001	92	2318631	20.0	20.0	
75 Chlorobenzene	112		17.808					ND	7
76 Ethylbenzene	91		17.990					ND	7
77 n-Nonane	57		18.208					ND	7
78 m-Xylene & p-Xylene	106		18.241					ND	7
79 o-Xylene	106		19.073					ND	
80 Styrene	104		19.121					ND	
81 Bromoform	173		19.537					ND	
82 Isopropylbenzene	105		19.820					ND	MU
S 73 Xylenes, Total	106		20.100					ND	7
* 83 4-Bromofluorobenzene	95	20.204	20.204	0.000	85	1583317	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83		20.509					ND	
86 1,2,3-Trichloropropane	75		20.594					ND	
85 N-Propylbenzene	91		20.615					ND	7
89 2-Chlorotoluene	91		20.813					ND	7
88 4-Ethyltoluene	105		20.824					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57		20.882					ND	
90 1,3,5-Trimethylbenzene	105		20.941					ND	7
91 Alpha Methyl Styrene	118		21.331					ND	
92 tert-Butylbenzene	119		21.459					ND	
93 1,2,4-Trimethylbenzene	105		21.560					ND	7
94 sec-Butylbenzene	105		21.811					ND	7
95 4-Isopropyltoluene	119		22.024					ND	7
96 1,3-Dichlorobenzene	146		22.030					ND	7
97 1,4-Dichlorobenzene	146	22.179	22.179	0.005	7	1239		0.0120	M
98 Benzyl chloride	91		22.361					ND	7
100 n-Butylbenzene	91		22.611					ND	7
99 Undecane	57		22.686					ND	7
101 1,2-Dichlorobenzene	146	22.707	22.707	0.010	72	1207		0.0115	M
102 Dodecane	57		24.180					ND	7
103 1,2,4-Trichlorobenzene	180	25.040	25.024	0.016	88	2367		0.0314	
104 Hexachlorobutadiene	225		25.232					ND	7
105 Naphthalene	128	25.450	25.435	0.015	95	5015		0.0305	
106 1,2,3-Trichlorobenzene	180	25.872	25.872	0.000	88	2534		0.0404	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00011

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 28-Jun-2021 09:48:10

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-04.D

Injection Date: 25-Jun-2021 10:12:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

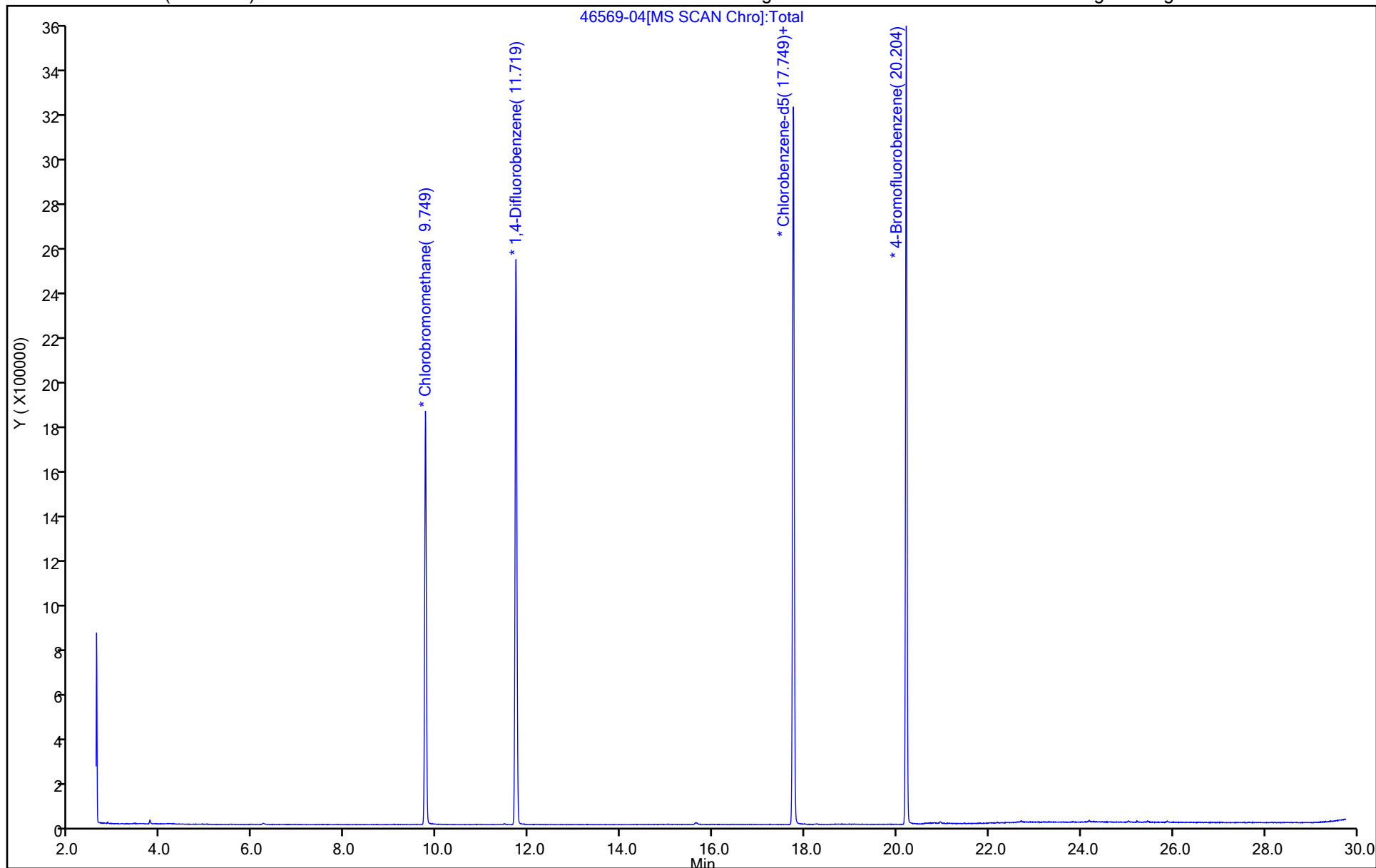
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1
SDG No.: 200-59052-1
Client Sample ID: _____ Lab Sample ID: LCS 200-168404/3
Matrix: Air Lab File ID: 46569-03.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 06/25/2021 09:17
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 168404 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	9.73		0.037	0.024
127-18-4	Tetrachloroethene	165.83	7.59		0.20	0.027

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-03.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 25-Jun-2021 09:17:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046569-003
 Operator ID: vtp Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 28-Jun-2021 09:44:06 Calib Date: 14-Jun-2021 23:55:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210614-46375.b\46375-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: bunmaa

Date: 28-Jun-2021 09:44:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	2.828	2.828	0.000	98	444050	10.1	9.74	
2 Dichlorodifluoromethane	85	2.892	2.892	0.000	99	943757	10.6	10.3	
3 Chlorodifluoromethane	51	2.929	2.929	0.000	97	731162	10.6	10.6	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	3.132	3.132	0.000	98	975968	10.6	10.6	
5 Chloromethane	50	3.239	3.238	0.001	99	427392	9.94	10.8	
6 Butane	43	3.431	3.431	0.000	99	636742	10.3	9.70	
7 Vinyl chloride	62	3.457	3.457	0.000	98	410416	9.99	10.2	
8 Butadiene	54	3.532	3.532	0.000	98	307480	9.70	9.62	
10 Bromomethane	94	4.130	4.130	0.000	99	325318	10.4	10.5	
9 BFB									
11 Chloroethane	64	4.354	4.354	0.000	99	205041	10.6	10.9	
12 2-Methylbutane	43	4.455	4.455	0.000	94	542531	10.4	11.5	
13 Vinyl bromide	106	4.722	4.722	0.000	99	309178	10.0	10.9	
14 Trichlorofluoromethane	101	4.840	4.840	0.000	98	826803	10.4	11.1	
16 Pentane	43	4.989	4.989	0.000	97	803775	10.2	10.2	
17 Ethanol	45	5.421	5.416	0.005	98	374655	14.7	14.2	
18 Ethyl ether	59	5.512	5.512	0.000	92	286113	10.2	11.0	
19 Acrolein	56	5.806	5.806	0.000	96	152831	9.71	9.23	
20 1,1,2-Trichloro-1,2,2-trifluoro	101	5.891	5.891	0.000	91	671934	10.7	10.9	
21 1,1-Dichloroethene	96	5.902	5.902	0.000	92	323793	10.2	10.7	
22 Acetone	43	6.126	6.126	0.000	98	685409	10.4	9.51	
23 Carbon disulfide	76	6.265	6.264	0.001	100	1086037	10.4	10.6	
24 Isopropyl alcohol	45	6.499	6.494	0.005	100	744928	10.2	9.02	
25 3-Chloro-1-propene	41	6.654	6.654	0.000	92	388295	10.7	7.42	
26 Acetonitrile	41	6.713	6.713	0.000	98	370670	9.72	8.82	M
27 Methylene Chloride	49	6.932	6.932	0.000	97	531545	10.2	10.4	
28 2-Methyl-2-propanol	59	7.279	7.273	0.006	94	794940	10.8	10.0	
31 trans-1,2-Dichloroethene	61	7.391	7.391	0.000	93	612500	10.3	10.9	
29 Methyl tert-butyl ether	73	7.412	7.412	0.000	98	1059873	10.6	11.2	
32 Acrylonitrile	53	7.471	7.471	0.000	95	313719	10.2	10.4	
33 Hexane	57	7.823	7.823	0.000	94	670148	10.5	11.7	
34 1,1-Dichloroethane	63	8.223	8.223	0.000	99	748241	10.3	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.330	8.330	0.000	100	1316255	10.1	10.3	
37 cis-1,2-Dichloroethene	96	9.312	9.312	0.000	97	363742	10.4	9.90	
38 2-Butanone (MEK)	72	9.365	9.365	0.000	98	201457	10.4	9.96	
39 Ethyl acetate	88	9.456	9.461	-0.005	99	30944	10.2	10.3	
* 40 Chlorobromomethane	128	9.755	9.749	0.006	93	510820	20.0	20.0	
41 Tetrahydrofuran	42	9.824	9.824	0.000	94	635464	9.81	9.29	
42 Chloroform	83	9.910	9.910	0.000	96	782677	10.3	10.3	
44 1,1,1-Trichloroethane	97	10.182	10.182	0.000	96	734485	10.3	10.1	
43 Cyclohexane	84	10.193	10.192	0.000	92	499356	10.2	10.3	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.8	
45 Carbon tetrachloride	117	10.449	10.449	0.000	97	700043	10.0	10.2	
47 Benzene	78	10.870	10.870	0.000	98	1246147	10.4	10.4	
46 Isooctane	57	10.929	10.924	0.005	98	2423681	10.1	11.0	
48 1,2-Dichloroethane	62	11.020	11.020	0.000	95	543752	10.5	10.6	
49 n-Heptane	43	11.329	11.329	0.000	97	1107631	10.3	11.1	
* 50 1,4-Difluorobenzene	114	11.719	11.719	0.000	97	2615800	20.0	20.0	
53 Trichloroethene	95	12.194	12.188	0.006	93	497279	10.3	9.73	
52 n-Butanol	56	12.199	12.199	0.000	94	312740	9.11	9.17	
A 51 GRO	1	12.669	(4.445-20.892)		0	174356252	649.9	0	
54 1,2-Dichloropropane	63	12.690	12.690	0.000	89	533522	10.3	10.8	
55 Methyl methacrylate	69	12.930	12.930	0.000	88	468077	10.2	10.4	
57 Dibromomethane	174	12.946	12.946	0.000	96	382091	10.3	8.93	
56 1,4-Dioxane	88	12.984	12.978	0.006	96	203673	10.3	9.62	
58 Dichlorobromomethane	83	13.267	13.272	-0.005	97	799237	10.3	10.9	
60 cis-1,3-Dichloropropene	75	14.233	14.232	0.001	98	761883	9.94	10.6	
A 59 TVOC as Toluene	1	14.350	(2.818-25.882)		0	270006888	899.8	0	
61 4-Methyl-2-pentanone (MIBK)	43	14.553	14.553	0.000	97	1377707	10.2	10.6	
65 Toluene	92	14.841	14.841	0.000	92	782784	10.2	10.3	
A 63 Toluene Range	1	14.841	(14.801-14.881)		0	3443304	NC	NC	
64 n-Octane	43	15.012	15.012	0.000	99	1503838	10.3	10.7	
A 62 C8 Range	1	15.012	(14.962-15.062)		0	4727681	NC	NC	
66 trans-1,3-Dichloropropene	75	15.433	15.433	0.000	95	620205	9.85	9.61	
67 1,1,2-Trichloroethane	83	15.796	15.802	-0.006	96	418686	10.5	10.6	
68 Tetrachloroethene	166	15.967	15.967	0.000	95	546213	10.5	7.59	
69 2-Hexanone	43	16.309	16.309	0.000	89	1274703	10.1	9.56	
71 Chlorodibromomethane	129	16.570	16.570	0.000	96	686290	10.6	9.98	
72 Ethylene Dibromide	107	16.816	16.816	0.000	98	660053	10.7	10.5	
* 74 Chlorobenzene-d5	117	17.750	17.750	0.000	91	2366511	20.0	20.0	
75 Chlorobenzene	112	17.808	17.808	0.000	90	954498	10.5	10.1	
76 Ethylbenzene	91	17.990	17.990	0.000	99	1725520	10.2	10.2	
77 n-Nonane	57	18.209	18.208	0.001	95	1167589	10.5	10.8	
78 m-Xylene & p-Xylene	106	18.241	18.241	0.001	0	1267996	20.0	20.0	
79 o-Xylene	106	19.073	19.073	0.000	97	610950	10.4	10.1	
80 Styrene	104	19.121	19.121	0.000	98	991462	10.3	10.3	
81 Bromoform	173	19.532	19.537	-0.005	95	647413	10.3	11.7	
82 Isopropylbenzene	105	19.820	19.820	0.000	97	1820913	10.5	10.2	
S 73 Xylenes, Total	106				0		30.0	30.1	
* 83 4-Bromofluorobenzene	95	20.205	20.204	0.001	85	1843810	20.0	20.0	
84 1,1,2,2-Tetrachloroethane	83	20.509	20.509	0.000	97	1062721	10.3	10.3	
86 1,2,3-Trichloropropane	75	20.594	20.594	0.000	96	893491	10.6	10.5	
85 N-Propylbenzene	91	20.615	20.615	0.000	98	2431479	10.4	10.2	
89 2-Chlorotoluene	91	20.813	20.813	0.000	97	1646843	10.4	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 4-Ethyltoluene	105	20.824	20.824	0.000	99	1879666	10.2	9.91	
87 n-Decane	57	20.882	20.882	0.000	83	1475263	10.3	10.7	
90 1,3,5-Trimethylbenzene	105	20.941	20.941	0.000	91	1474775	10.5	9.84	
91 Alpha Methyl Styrene	118	21.331	21.331	0.000	84	751644	10.2	9.76	
92 tert-Butylbenzene	119	21.459	21.459	0.000	90	1389155	10.4	9.63	
93 1,2,4-Trimethylbenzene	105	21.560	21.560	0.000	99	1502445	10.4	9.91	
94 sec-Butylbenzene	105	21.806	21.811	-0.005	98	2312090	10.5	10.0	
95 4-Isopropyltoluene	119	22.024	22.024	0.000	96	1887290	10.5	9.68	
96 1,3-Dichlorobenzene	146	22.030	22.030	0.000	98	1008112	10.2	9.43	
97 1,4-Dichlorobenzene	146	22.174	22.174	0.000	92	964372	10.4	9.12	
98 Benzyl chloride	91	22.361	22.361	0.000	97	1452123	10.2	10.1	
100 n-Butylbenzene	91	22.611	22.611	0.000	97	2039100	10.5	10.3	
99 Undecane	57	22.686	22.686	0.000	93	1765726	10.7	10.8	
101 1,2-Dichlorobenzene	146	22.697	22.697	0.000	94	950054	10.8	8.89	
102 Dodecane	57	24.181	24.180	0.001	90	1460679	10.6	11.6	
103 1,2,4-Trichlorobenzene	180	25.024	25.024	0.000	93	838652	11.0	10.9	
104 Hexachlorobutadiene	225	25.227	25.232	-0.005	97	767481	10.8	8.97	
105 Naphthalene	128	25.435	25.435	0.000	98	1773073	10.5	10.6	
106 1,2,3-Trichlorobenzene	180	25.872	25.872	0.000	96	635704	10.9	9.93	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15LCSW_00824

Amount Added: 200.00

Units: mL

ATTO15CISs_00011

Amount Added: 40.00

Units: mL

Run Reagent

Report Date: 28-Jun-2021 09:44:06

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210625-46569.b\46569-03.D

Injection Date: 25-Jun-2021 09:17:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

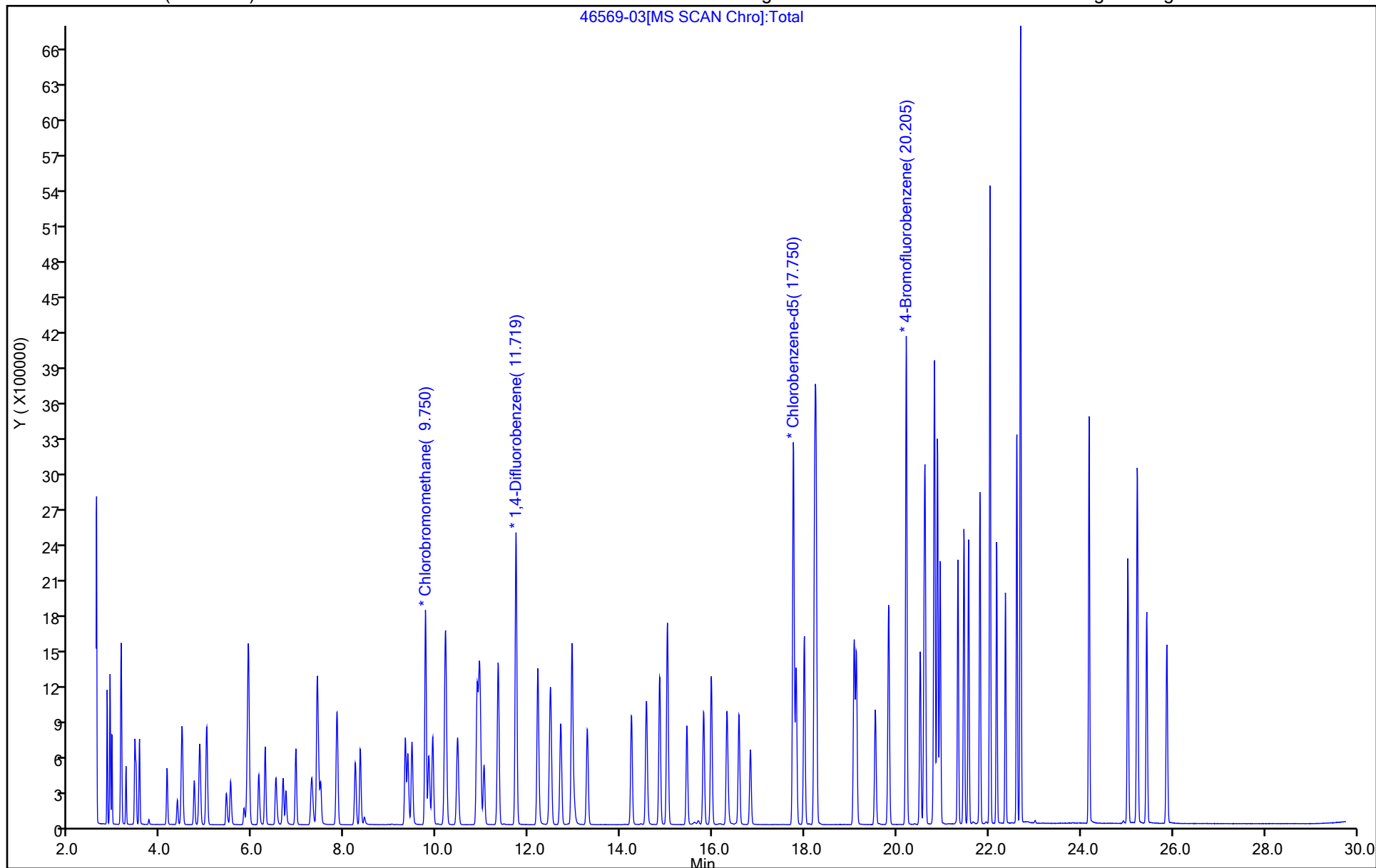
ALS Bottle#: 2

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1SDG No.: 200-59052-1Instrument ID: CHC.i Start Date: 06/14/2021 13:16Analysis Batch Number: 167921 End Date: 06/15/2021 03:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-167921/1		06/14/2021 13:16	1	46375-01.D	RTX-624 0.32 (mm)
IC 200-167921/3		06/14/2021 15:44	1	46375-03.D	RTX-624 0.32 (mm)
IC 200-167921/4		06/14/2021 16:39	1	46375-04.D	RTX-624 0.32 (mm)
IC 200-167921/5		06/14/2021 17:33	1	46375-05.D	RTX-624 0.32 (mm)
IC 200-167921/6		06/14/2021 18:28	1	46375-06.D	RTX-624 0.32 (mm)
ICIS 200-167921/7		06/14/2021 19:22	1	46375-07.D	RTX-624 0.32 (mm)
IC 200-167921/8		06/14/2021 20:17	1	46375-08.D	RTX-624 0.32 (mm)
IC 200-167921/11		06/14/2021 23:00	1	46375-11.D	RTX-624 0.32 (mm)
IC 200-167921/12		06/14/2021 23:55	1	46375-12.D	RTX-624 0.32 (mm)
ZZZZZ		06/15/2021 01:44	1		RTX-624 0.32 (mm)
ICV 200-167921/16		06/15/2021 03:33	1	46375-16.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-59052-1SDG No.: 200-59052-1Instrument ID: CHC.i Start Date: 06/25/2021 07:38Analysis Batch Number: 168404 End Date: 06/26/2021 06:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-168404/1		06/25/2021 07:38	1	46569-01.D	RTX-624 0.32 (mm)
CCVIS 200-168404/2		06/25/2021 08:22	1	46569-02.D	RTX-624 0.32 (mm)
LCS 200-168404/3		06/25/2021 09:17	1	46569-03.D	RTX-624 0.32 (mm)
MB 200-168404/4		06/25/2021 10:12	1	46569-04.D	RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 11:06	1		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 12:00	1		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 12:55	30.9		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 13:49	4		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 14:44	2		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 15:39	2		RTX-624 0.32 (mm)
200-59052-1	LL2-PUMP ROOM-06-24-2021	06/25/2021 16:33	1	46569-11.D	RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 17:28	10		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 18:23	10		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 19:18	10		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 20:13	1		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 21:08	1		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 22:03	1		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 22:58	1		RTX-624 0.32 (mm)
ZZZZZ		06/25/2021 23:53	1		RTX-624 0.32 (mm)
ZZZZZ		06/26/2021 00:48	1		RTX-624 0.32 (mm)
ZZZZZ		06/26/2021 01:43	1		RTX-624 0.32 (mm)
ZZZZZ		06/26/2021 02:42	0.2		RTX-624 0.32 (mm)
ZZZZZ		06/26/2021 03:37	1		RTX-624 0.32 (mm)
ZZZZZ		06/26/2021 04:31	4		RTX-624 0.32 (mm)
ZZZZZ		06/26/2021 05:26	1		RTX-624 0.32 (mm)
ZZZZZ		06/26/2021 06:21	15		RTX-624 0.32 (mm)

[illegible]

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-59052-1

SDG No.: 200-59052-1

Batch Number: 167921 Batch Start Date: 06/14/21 13:16 Batch Analyst: Pham, Vu T

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL1w 00229	ATTO15CAL4w 00765
BFB 200-167921/1		TO-15		1	1	200 mL	200 mL		
IC 200-167921/3		TO-15		1	1	200 mL	200 mL	32 mL	
IC 200-167921/4		TO-15		1	1	200 mL	200 mL	180 mL	
IC 200-167921/5		TO-15		1	1	200 mL	200 mL	450 mL	
IC 200-167921/6		TO-15		1	1	200 mL	200 mL		90 mL
ICIS 200-167921/7		TO-15		1	1	200 mL	200 mL		200 mL
IC 200-167921/8		TO-15		1	1	200 mL	200 mL		
IC 200-167921/11		TO-15		1	1	200 mL	200 mL		
IC 200-167921/12		TO-15		1	1	200 mL	200 mL		
ICV 200-167921/16		TO-15		1	1	200 mL	200 mL		200 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL6w 00189	ATTO15CAL7w 00106	ATTO15CISs 00010			
BFB 200-167921/1		TO-15				40 mL			
IC 200-167921/3		TO-15				40 mL			
IC 200-167921/4		TO-15				40 mL			
IC 200-167921/5		TO-15				40 mL			
IC 200-167921/6		TO-15				40 mL			
ICIS 200-167921/7		TO-15				40 mL			
IC 200-167921/8		TO-15		150 mL		40 mL			
IC 200-167921/11		TO-15		200 mL		40 mL			
IC 200-167921/12		TO-15			200 mL	40 mL			
ICV 200-167921/16		TO-15				40 mL			

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO-15

Page 1 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-59052-1SDG No.: 200-59052-1Batch Number: 167921 Batch Start Date: 06/14/21 13:16 Batch Analyst: Pham, Vu TBatch Method: TO-15 Batch End Date: _____

Basis	Basis Description

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, Burlingt Job No.: 200-59052-1

SDG No.: 200-59052-1

Batch Number: 168404 Batch Start Date: 06/25/21 07:38 Batch Analyst: Bunma, Arthit 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL4w 00765	ATTO15CISS 00011
BFB 200-168404/1		TO-15		1	1	200 mL	200 mL		40 mL
CCVIS 200-168404/2		TO-15		1	1	200 mL	200 mL	200 mL	40 mL
LCS 200-168404/3		TO-15		1	1	200 mL	200 mL		40 mL
MB 200-168404/4		TO-15		1	1	200 mL	200 mL		40 mL
200-59052-A-1	LL2-PUMP ROOM-06-24-2021	TO-15	T	1	1	200 mL	200 mL		40 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00824					
BFB 200-168404/1		TO-15							
CCVIS 200-168404/2		TO-15							
LCS 200-168404/3		TO-15		200 mL					
MB 200-168404/4		TO-15							
200-59052-A-1	LL2-PUMP ROOM-06-24-2021	TO-15	T						

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.

Canister Cleaning & Pre-Shipment Leak Test

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

³ Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

PM Authorization

Clean Canister Certification Analysis & Authorization of Release to Inventory

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).
Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).
Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).
Inventory Level Limited: Canisters may only be used for certain projects.
Dup Tees/Vac gauges (enter IDs if included):

Form ID: FAI023:12
Revision Date: 12/18/2018

TestAmerica Burlington

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 46111-003.d
Lab ID: LCS 200-167228/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.1	10.2	100	50-158	
Dichlorodifluoromethane	10.6	9.99	94	61-142	
Freon 22	10.6	10.0	95	60-147	
1,2-Dichlorotetrafluoroethane	10.6	10.0	95	71-141	
Chloromethane	9.94	10.7	108	56-141	
n-Butane	10.3	10.4	101	53-151	
Vinyl chloride	9.99	10.1	101	61-135	
1,3-Butadiene	9.70	9.13	94	58-139	
Bromomethane	10.4	9.51	91	72-124	
Chloroethane	10.6	10.0	95	68-130	
Bromoethene (Vinyl Bromide)	10.0	9.52	95	75-125	
Trichlorofluoromethane	10.4	9.59	92	70-129	
Ethanol	14.7	14.9	101	50-150	
Freon TF	10.7	9.88	93	70-121	
1,1-Dichloroethene	10.2	8.73	86	68-120	
Acetone	10.4	9.61	92	54-154	
Isopropyl alcohol	10.2	9.46	93	53-142	
Carbon disulfide	10.4	9.57	92	71-138	
3-Chloropropene	10.7	8.95	83	50-150	
Methylene Chloride	10.2	9.60	94	59-137	
tert-Butyl alcohol	10.8	9.91	92	66-132	
Methyl tert-butyl ether	10.6	9.63	91	70-127	
trans-1,2-Dichloroethene	10.3	9.63	93	69-137	
n-Hexane	10.5	9.46	90	63-138	
1,1-Dichloroethane	10.3	9.26	90	66-130	
Vinyl acetate	10.1	10.8	107	59-149	
Ethyl acetate	10.2	9.61	94	70-131	
Methyl Ethyl Ketone	10.4	9.63	93	72-124	
cis-1,2-Dichloroethene	10.4	8.67	84	72-121	
Chloroform	10.3	9.39	91	73-124	
Tetrahydrofuran	9.81	9.49	97	60-149	
1,1,1-Trichloroethane	10.3	9.52	92	72-127	
Cyclohexane	10.2	9.30	91	76-124	
Carbon tetrachloride	10.0	10.3	102	71-133	
2,2,4-Trimethylpentane	10.1	9.65	95	68-131	
Benzene	10.4	9.58	92	73-119	
1,2-Dichloroethane	10.5	9.70	93	68-135	
n-Heptane	10.3	9.54	93	60-142	
Trichloroethene	10.3	9.25	90	73-122	
Methyl methacrylate	10.2	9.61	94	73-129	
1,2-Dichloropropane	10.3	9.94	96	69-128	
1,4-Dioxane	10.3	10.7	104	66-129	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 46111-003.d
 Lab ID: LCS 200-167228/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.3	10.1	98	75-127	
cis-1,3-Dichloropropene	9.94	9.77	98	74-125	
methyl isobutyl ketone	10.2	9.64	95	58-144	
Toluene	10.2	9.39	92	75-122	
trans-1,3-Dichloropropene	9.85	9.54	97	74-128	
1,1,2-Trichloroethane	10.5	9.88	94	75-126	
Tetrachloroethene	10.5	9.90	95	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.1	9.48	94	57-143	
Dibromochloromethane	10.6	9.74	92	73-125	
1,2-Dibromoethane	10.7	10.3	96	78-122	
Chlorobenzene	10.5	10.1	96	76-119	
Ethylbenzene	10.2	9.64	94	74-122	
m,p-Xylene	20.0	19.9	100	76-121	
Xylene, o-	10.4	9.89	95	73-123	
Styrene	10.3	10.3	101	74-125	
Bromoform	10.3	11.2	109	53-149	
Cumene	10.5	10.0	96	73-123	
1,1,2,2-Tetrachloroethane	10.3	10.5	101	74-126	
n-Propylbenzene	10.4	10.4	100	73-127	
4-Ethyltoluene	10.2	10.5	102	75-129	
1,3,5-Trimethylbenzene	10.5	10.1	96	72-126	
2-Chlorotoluene	10.4	10.2	97	74-126	
tert-Butylbenzene	10.4	10.1	98	71-125	
1,2,4-Trimethylbenzene	10.4	10.2	98	71-129	
sec-Butylbenzene	10.5	10.4	99	70-128	
4-Isopropyltoluene	10.5	10.3	98	68-130	
1,3-Dichlorobenzene	10.2	11.6	114	69-131	
1,4-Dichlorobenzene	10.4	11.8	113	67-132	
Benzyl chloride	10.2	12.3	121	60-136	
n-Butylbenzene	10.5	10.9	104	65-137	
1,2-Dichlorobenzene	10.8	11.1	104	68-129	
1,2,4-Trichlorobenzene	11.0	11.8	107	50-150	
Hexachlorobutadiene	10.8	9.65	89	58-130	
Naphthalene	10.5	10.7	102	50-150	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
SDG No.: _____
Lab File ID: 46111-004.d Lab Sample ID: MB 200-167228/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHW.i Date Analyzed: 05/25/2021 10:23
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-167228/3	46111-003.d	05/25/2021 09:27
5449	200-58599-8	46111-006.d	05/25/2021 15:01

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-167228/4

Matrix: Air Lab File ID: 46111-004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 05/25/2021 10:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 167228 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-167228/4
 Matrix: Air Lab File ID: 46111-004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/25/2021 10:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 167228 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-167228/4
 Matrix: Air Lab File ID: 46111-004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 05/25/2021 10:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 167228 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-004.d
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 25-May-2021 10:23:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0046111-004
 Operator ID: ggg Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-May-2021 08:09:29 Calib Date: 18-May-2021 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20210517-46003.b\46000-014.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1683

First Level Reviewer: bunmaa

Date: 26-May-2021 08:09:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.153					ND	MU
2 Dichlorodifluoromethane	85		4.249					ND	
3 Chlorodifluoromethane	51		4.297					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.624					ND	
5 Chloromethane	50		4.731					ND	
6 Vinyl chloride	62		5.046					ND	
7 Butane	43		5.057					ND	7
8 Butadiene	54		5.175					ND	
9 Bromomethane	94		5.881					ND	
10 Chloroethane	64		6.164					ND	
11 2-Methylbutane	43		6.378					ND	
13 Vinyl bromide	106		6.582					ND	
14 Trichlorofluoromethane	101		6.748					ND	
15 Pentane	43		6.962					ND	
16 Ethanol	45		7.181					ND	
18 Ethyl ether	59		7.422					ND	
19 Acrolein	56		7.641					ND	
20 1,1-Dichloroethene	96		7.812					ND	
21 112TCTFE	101		7.855					ND	
22 Acetone	43		7.941					ND	7
23 Carbon disulfide	76	8.208	8.213	-0.005	98	2082		0.0479	
24 Isopropyl alcohol	45		8.256					ND	
25 Acetonitrile	41		8.411					ND	
26 3-Chloro-1-propene	41		8.513					ND	
27 Methylene Chloride	49	8.737	8.738	-0.001	83	1194		0.0745	
28 2-Methyl-2-propanol	59		9.043					ND	
29 Acrylonitrile	53		9.150					ND	
30 trans-1,2-Dichloroethene	61		9.241					ND	
31 Methyl tert-butyl ether	73		9.283					ND	
32 Hexane	57		9.749					ND	
33 1,1-Dichloroethane	63		10.000					ND	
34 Vinyl acetate	43		10.027					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
37 2-Butanone (MEK)	72		10.990					ND	
36 cis-1,2-Dichloroethene	96		10.995					ND	
38 Ethyl acetate	88		11.076					ND	
* 39 Chlorobromomethane	128	11.396	11.407	-0.011	87	110782	10.0	10.0	
40 Tetrahydrofuran	42		11.482					ND	
41 Chloroform	83		11.584					ND	
42 1,1,1-Trichloroethane	97		11.889					ND	
43 Cyclohexane	84		12.022					ND	
44 Carbon tetrachloride	117		12.167					ND	
45 Benzene	78		12.515					ND	
46 1,2-Dichloroethane	62		12.589					ND	
47 Isooctane	57		12.729					ND	
48 n-Heptane	43		13.039					ND	
* 49 1,4-Difluorobenzene	114	13.242	13.247	-0.005	94	552747	10.0	10.0	
50 n-Butanol	56		13.515					ND	
51 Trichloroethene	95		13.681					ND	
A 52 GRO	1	14.071	(6.368-21.774)		0	1203552		0	
53 1,2-Dichloropropane	63		14.136					ND	
55 Methyl methacrylate	69		14.232					ND	
56 Dibromomethane	174	14.296	14.296	0.005	64	239		0.0105	7M
57 1,4-Dioxane	88		14.301					ND	
58 Dichlorobromomethane	83		14.601					ND	
A 59 TVOC as Toluene	1	15.398	(4.143-26.653)		0	1599652		0	
60 cis-1,3-Dichloropropene	75		15.403					ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692					ND	
62 Toluene	92		16.045					ND	
63 n-Octane	43		16.297					ND	
64 trans-1,3-Dichloropropene	75		16.457					ND	
65 1,1,2-Trichloroethane	83		16.832					ND	
66 Tetrachloroethene	166		17.035					ND	
67 2-Hexanone	43		17.287					ND	
68 Chlorodibromomethane	129		17.570					ND	
69 Ethylene Dibromide	107		17.811					ND	7
* 70 Chlorobenzene-d5	117	18.720	18.720	0.000	85	429188	10.0	10.0	
72 Chlorobenzene	112		18.779					ND	U
73 Ethylbenzene	91		18.972					ND	7
74 m-Xylene & p-Xylene	106		19.234					ND	7
75 n-Nonane	57		19.303					ND	
76 o-Xylene	106		20.010					ND	
77 Styrene	104		20.047					ND	U
S 78 Xylenes, Total	106		20.100					ND	7
79 Bromoform	173		20.395					ND	U
80 Isopropylbenzene	105		20.716					ND	7
81 1,1,2,2-Tetrachloroethane	83	21.234	21.235	-0.001	85	1143		0.0312	
82 1,2,3-Trichloropropane	75		21.336					ND	7
83 N-Propylbenzene	91		21.438					ND	7
84 2-Chlorotoluene	91		21.582					ND	U
85 4-Ethyltoluene	105	21.641	21.636	0.005	95	1207		0.0167	
86 1,3,5-Trimethylbenzene	105		21.732					ND	7
87 n-Decane	57		21.764					ND	
88 Alpha Methyl Styrene	118	22.064	22.058	0.006	82	561		0.0176	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 tert-Butylbenzene	119		22.214					ND	
90 1,2,4-Trimethylbenzene	105	22.299	22.299	0.000	88	869		0.0139	
91 sec-Butylbenzene	105		22.540					ND	7
92 1,3-Dichlorobenzene	146	22.711	22.711	0.000	90	1578		0.0461	
93 4-Isopropyltoluene	119		22.754					ND	7
94 1,4-Dichlorobenzene	146	22.855	22.856	-0.001	88	1274		0.0405	
95 Benzyl chloride	91	23.000	23.000	0.000	94	1794		0.0515	
96 n-Butylbenzene	91	23.310	23.310	0.000	91	1103		0.0168	
97 1,2-Dichlorobenzene	146	23.337	23.337	0.000	93	1818		0.0512	
98 Undecane	57		23.460					ND	
99 Dodecane	57		25.033					ND	
100 1,2,4-Trichlorobenzene	180	25.755	25.760	-0.005	81	1072		0.0554	
101 Hexachlorobutadiene	225		26.007					ND	7
102 Naphthalene	128		26.231					ND	U
103 1,2,3-Trichlorobenzene	180	26.643	26.643	0.000	75	731		0.0320	
107 Chlorotrifluoroethene TIC	1		0.000					ND	
108 Difluoroethane TIC	1		0.000					ND	
109 Total Alkanes TIC	1		0.000					ND	
110 Freon 115 TIC	1		0.000					ND	
111 1,1,1-Trifluoro-2,2-dichloroetha 1			0.000					ND	
112 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 26-May-2021 08:09:29

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-004.d

Injection Date: 25-May-2021 10:23:30

Instrument ID: CHW.i

Operator ID: ggg

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

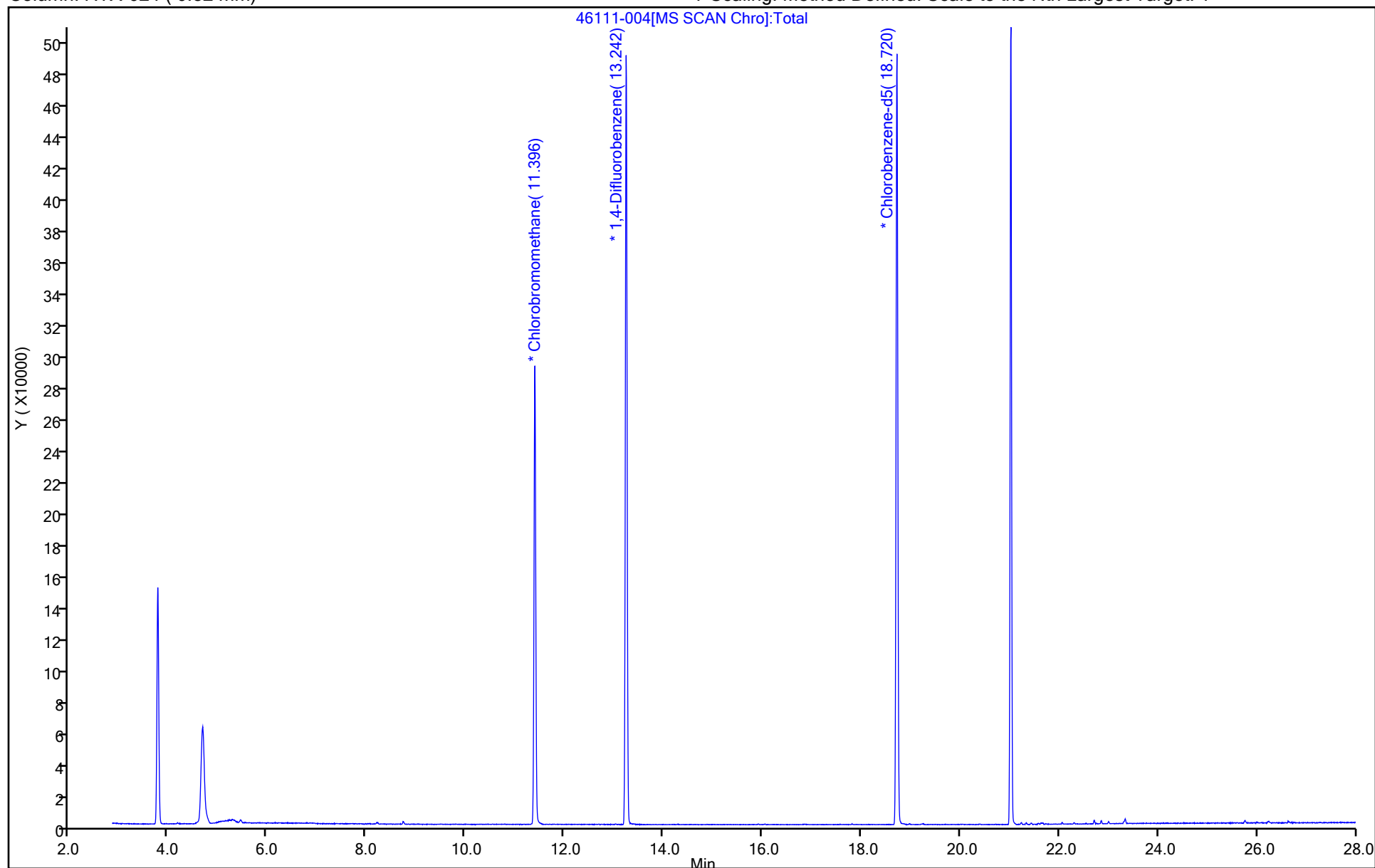
ALS Bottle#: 3

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

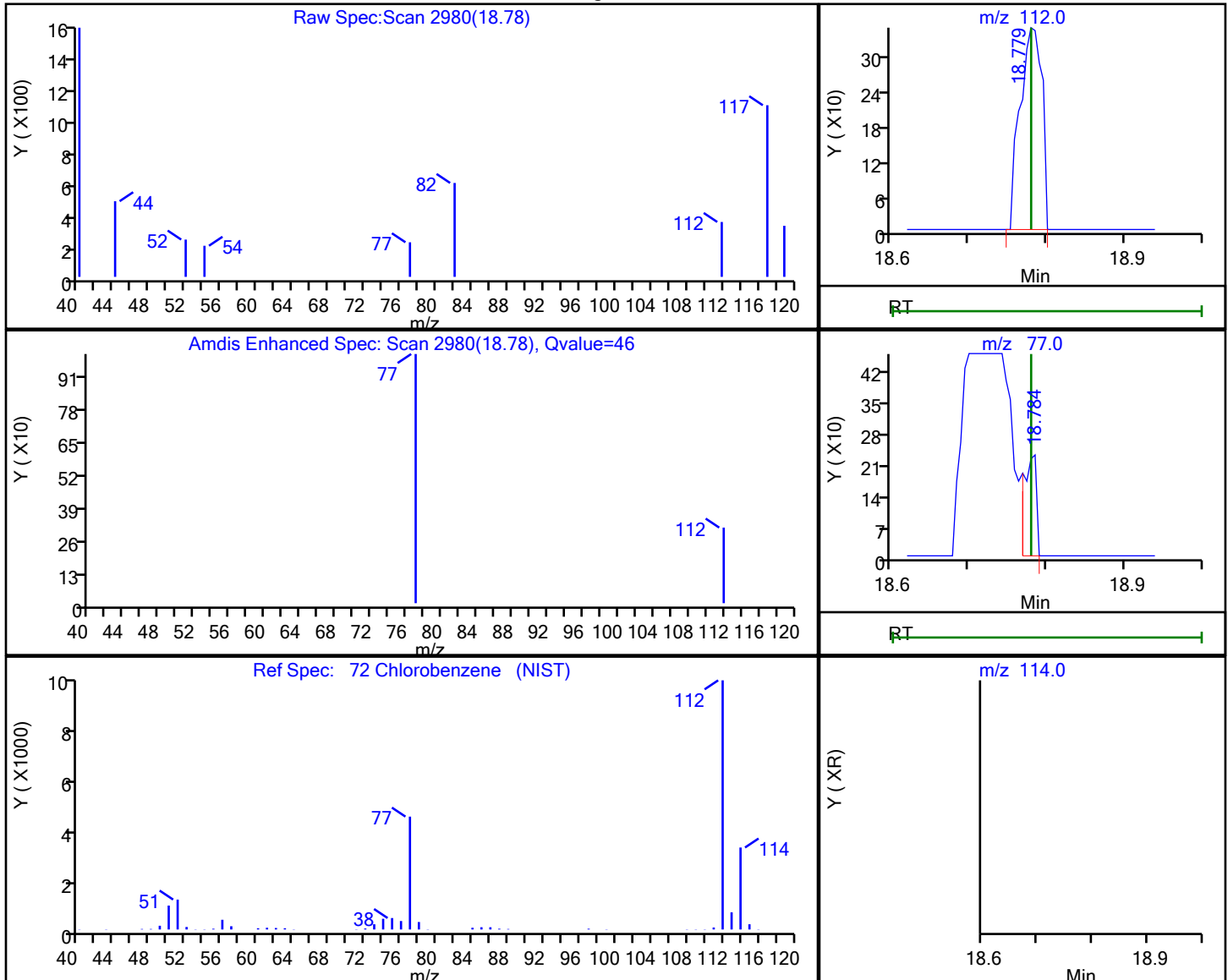


Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-004.d
Injection Date: 25-May-2021 10:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: ggg ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

72 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
18.78	112.00	680	0.016690
18.78	77.00	256	
18.78	114.00	0	

Reviewer: bunmaa, 26-May-2021 08:07:52

Audit Action: Marked Compound Undetected

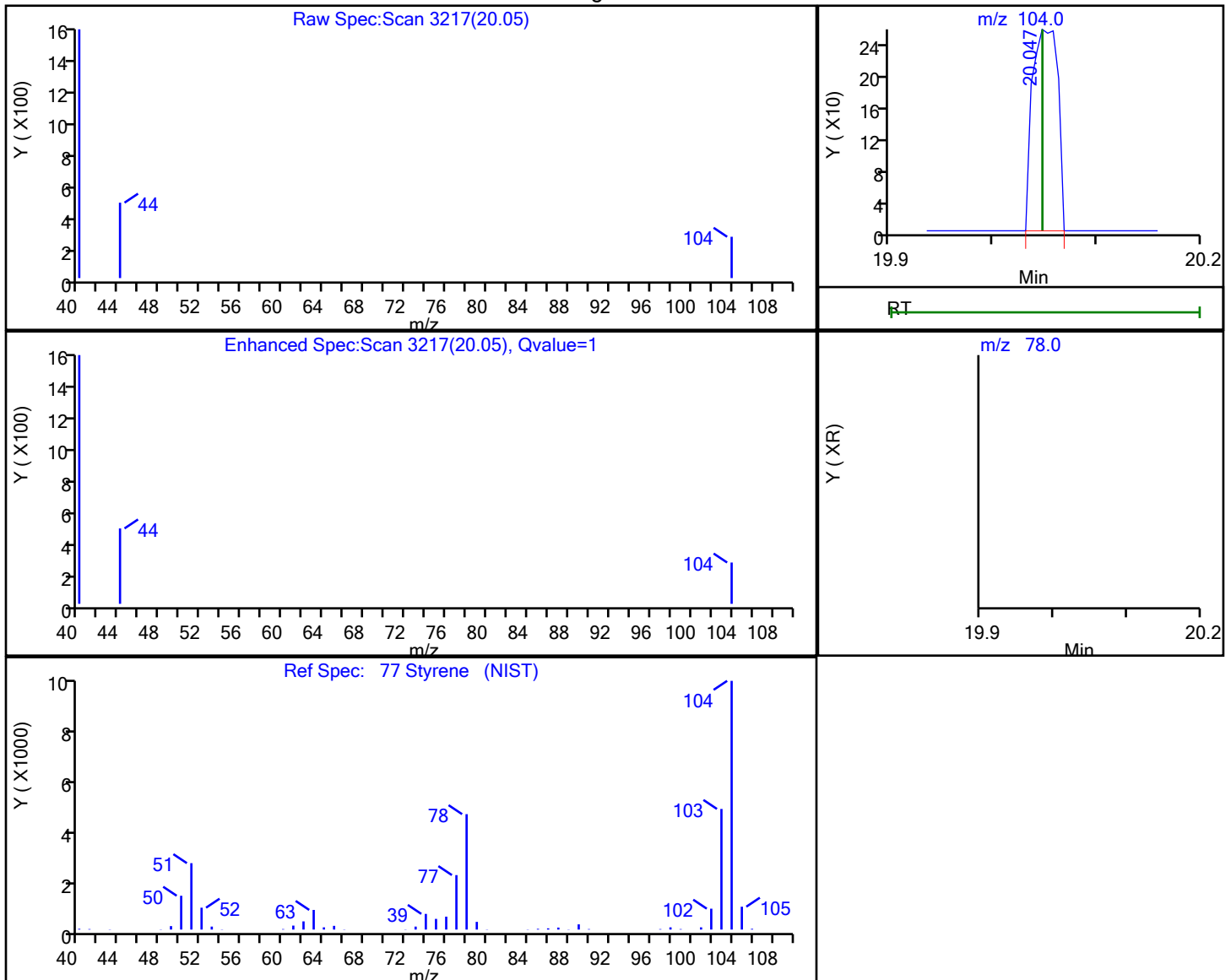
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-004.d
Injection Date: 25-May-2021 10:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: ggg ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

77 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
20.05	104.00	443	0.011265
20.05	78.00	0	

Reviewer: bunmaa, 26-May-2021 08:08:03

Audit Action: Marked Compound Undetected

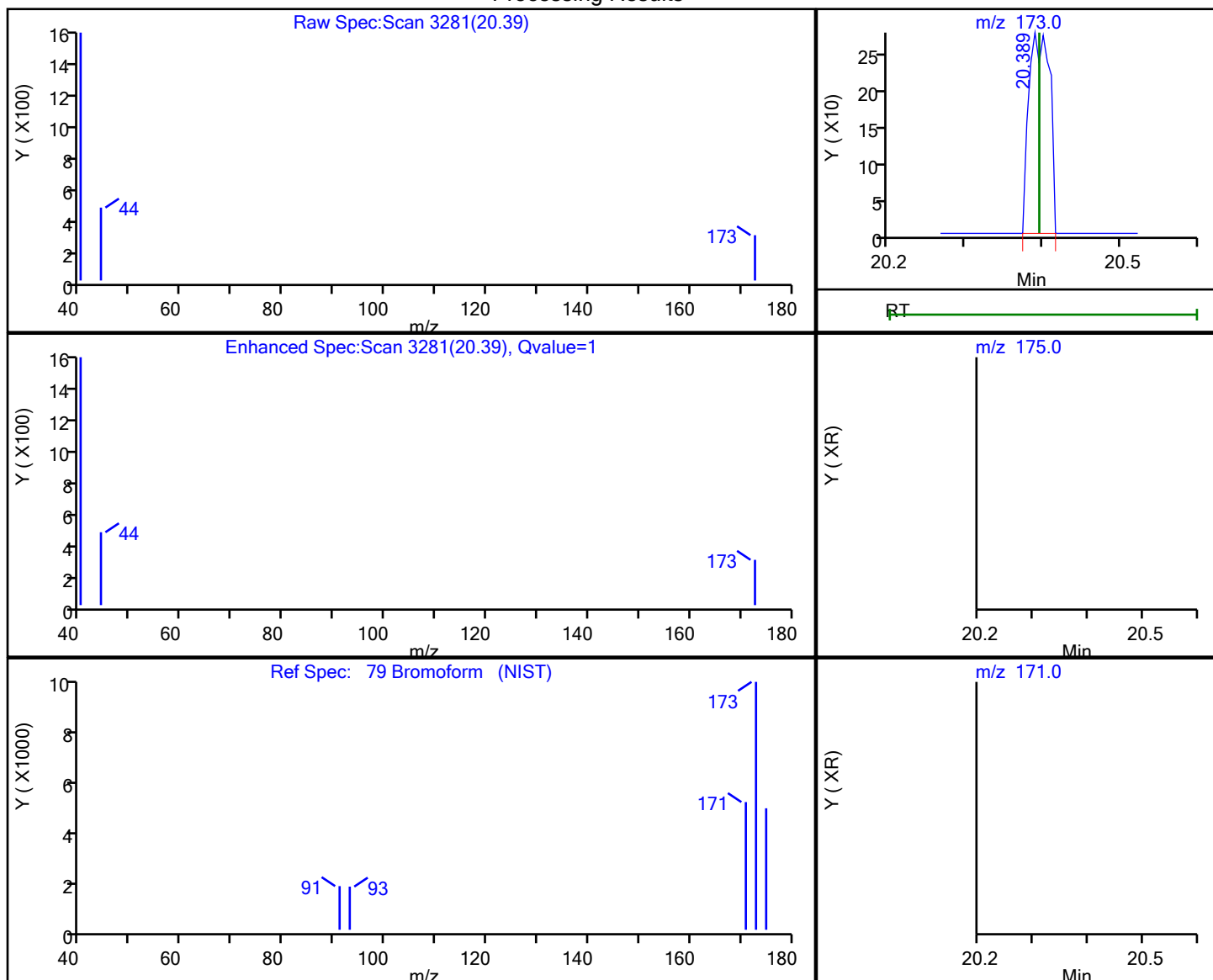
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-004.d
Injection Date: 25-May-2021 10:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: ggg ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

79 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
20.39	173.00	523	0.020877
20.39	175.00	0	
20.39	171.00	0	

Reviewer: bunmaa, 26-May-2021 08:08:06

Audit Action: Marked Compound Undetected

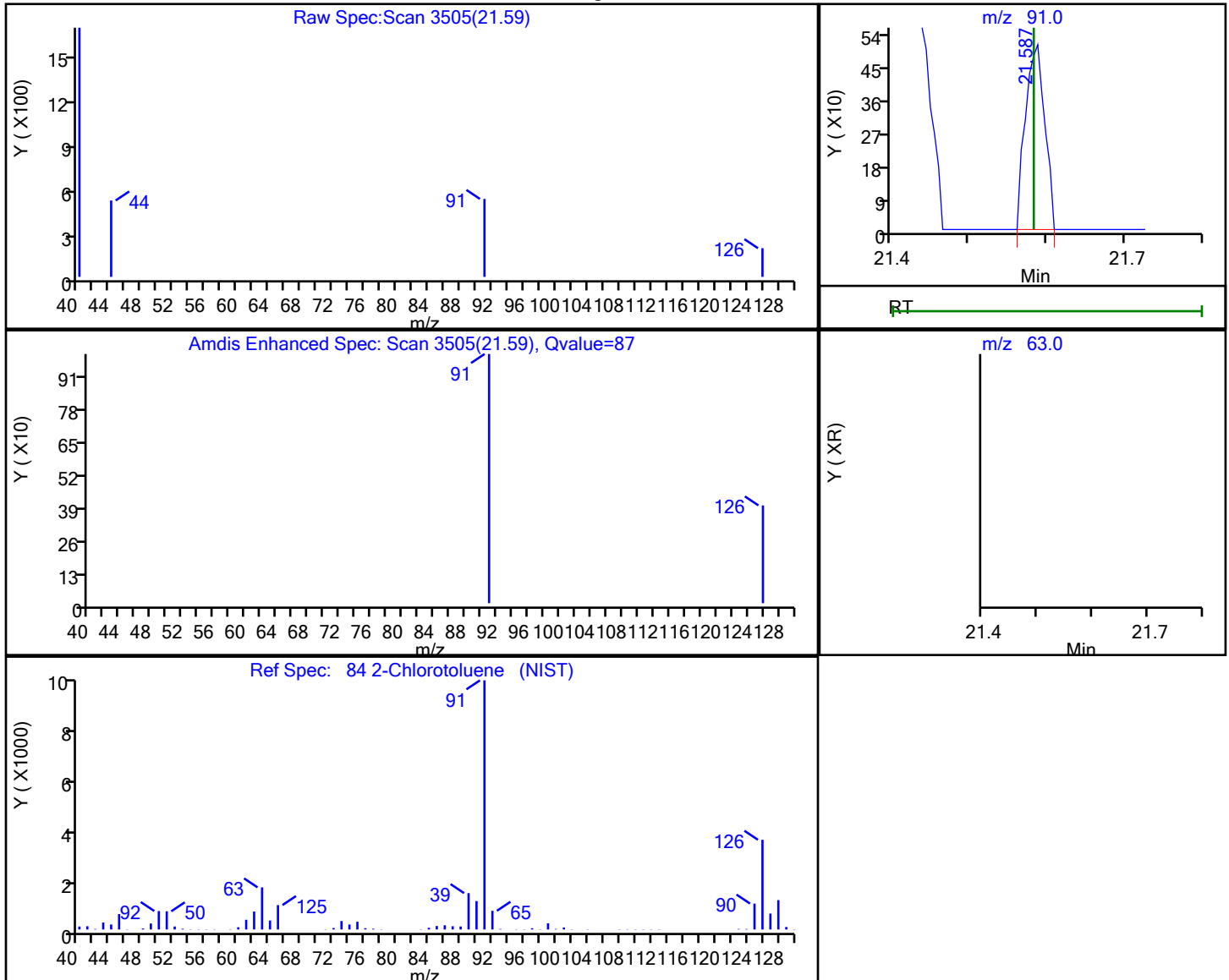
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-004.d
Injection Date: 25-May-2021 10:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: ggg ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

84 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.59	91.00	884	0.016316
21.58	63.00	0	

Reviewer: bunmaa, 26-May-2021 08:08:33

Audit Action: Marked Compound Undetected

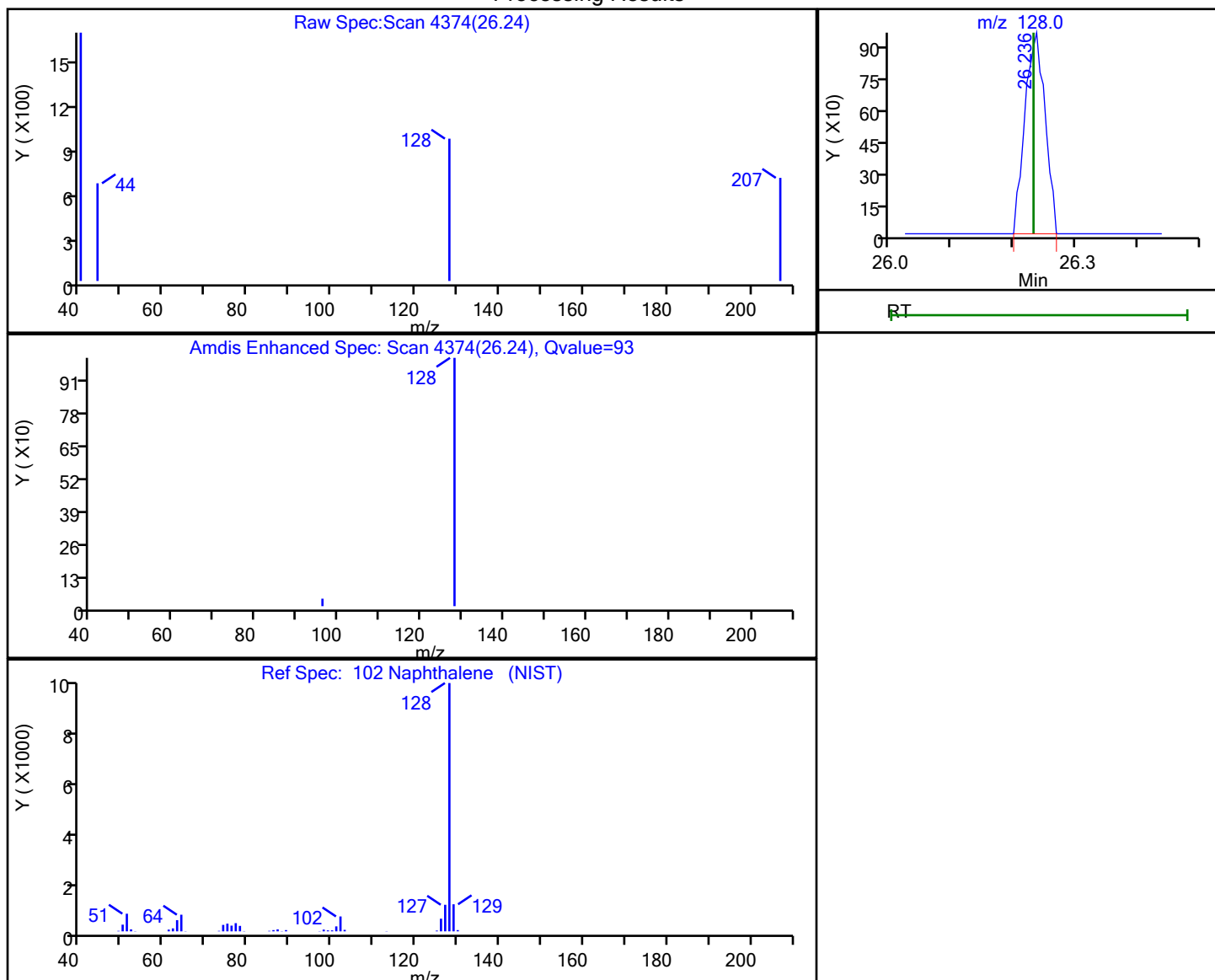
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-004.d
Injection Date: 25-May-2021 10:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: ggg ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

102 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
26.24	128.00	2196	0.047789

Reviewer: bunmaa, 26-May-2021 08:09:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
SDG No.: _____
Lab File ID: 46000-001.d BFB Injection Date: 05/17/2021
Instrument ID: CHW.i BFB Injection Time: 13:47
Analysis Batch No.: 166937

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.7
75	30.0 - 66.0% of mass 95	47.2
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	0.8 (0.8) 1
174	50.0 - 120.0% of mass 95	93.8
175	4.0 - 9.0 % of mass 174	6.9 (7.3) 1
176	93.0 - 101.0% of mass 174	91.7 (97.8) 1
177	5.0 - 9.0% of mass 176	6.0 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-166937/4	46000-004.d	05/17/2021	17:07
	IC 200-166937/5	46000-005.d	05/17/2021	18:09
	IC 200-166937/6	46000-006.d	05/17/2021	19:06
	IC 200-166937/7	46000-007.d	05/17/2021	20:07
	ICIS 200-166937/8	46000-008.d	05/17/2021	21:05
	IC 200-166937/9	46000-009.d	05/17/2021	22:03
	IC 200-166937/13	46000-013.d	05/18/2021	1:50
	IC 200-166937/14	46000-014.d	05/18/2021	2:47
	ICV 200-166937/17	46000-017.d	05/18/2021	5:38

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
SDG No.: _____
Lab File ID: 46111-001.d BFB Injection Date: 05/25/2021
Instrument ID: CHW.i BFB Injection Time: 07:32
Analysis Batch No.: 167228

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.6
75	30.0 - 66.0% of mass 95	46.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 120.0% of mass 95	91.7
175	4.0 - 9.0 % of mass 174	6.7 (7.3) 1
176	93.0 - 101.0% of mass 174	88.7 (96.8) 1
177	5.0 - 9.0% of mass 176	5.9 (6.7) 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 200-167228/2	46111-002.d	05/25/2021	8:29
	LCS 200-167228/3	46111-003.d	05/25/2021	9:27
	MB 200-167228/4	46111-004.d	05/25/2021	10:23
5449	200-58599-8	46111-006.d	05/25/2021	15:01

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Sample No.: ICIS 200-166937/8 Date Analyzed: 05/17/2021 21:05
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 46000-008.d Heated Purge: (Y/N) N
 Calibration ID: 45855

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	141312	11.40	706621	13.24	595060	18.72	
UPPER LIMIT	197837	11.73	989269	13.57	833084	19.05	
LOWER LIMIT	84787	11.07	423973	12.91	357036	18.39	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-166937/17		134048	11.41	659401	13.25	560132	18.73

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Sample No.: CCVIS 200-167228/2 Date Analyzed: 05/25/2021 08:29
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 46111-002.d Heated Purge: (Y/N) N
 Calibration ID: 45855

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	113571	11.41	541914	13.25	463140	18.72	
UPPER LIMIT	158999	11.74	758680	13.58	648396	19.05	
LOWER LIMIT	68143	11.08	325148	12.92	277884	18.39	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-167228/3		114569	11.40	568071	13.25	478596	18.72
MB 200-167228/4		110782	11.40	552747	13.24	429188	18.72
200-58599-8	5449	106509	11.40	522371	13.24	411164	18.72

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Client Sample ID: 5449 Lab Sample ID: 200-58599-8
 Matrix: Air Lab File ID: 46111-006.d
 Analysis Method: TO-15 Date Collected: 05/23/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/25/2021 15:01
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 167228 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Client Sample ID: 5449 Lab Sample ID: 200-58599-8
 Matrix: Air Lab File ID: 46111-006.d
 Analysis Method: TO-15 Date Collected: 05/23/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/25/2021 15:01
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 167228 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Client Sample ID: 5449 Lab Sample ID: 200-58599-8
 Matrix: Air Lab File ID: 46111-006.d
 Analysis Method: TO-15 Date Collected: 05/23/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/25/2021 15:01
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 167228 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-006.d
 Lims ID: 200-58599-A-8
 Client ID: 5449
 Sample Type: Client
 Inject. Date: 25-May-2021 15:01:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0046111-006
 Misc. Info.: 58599-8
 Operator ID: ggg Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-May-2021 08:19:26 Calib Date: 18-May-2021 02:47:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20210517-46003.b\46000-014.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1683

First Level Reviewer: bunmaa

Date: 26-May-2021 08:21:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.153				ND	
2 Dichlorodifluoromethane	85		4.249				ND	
3 Chlorodifluoromethane	51		4.297				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.624				ND	
5 Chloromethane	50		4.731				ND	
6 Vinyl chloride	62		5.046				ND	
7 Butane	43		5.057				ND	7
8 Butadiene	54		5.175				ND	
9 Bromomethane	94		5.881				ND	
10 Chloroethane	64		6.164				ND	
13 Vinyl bromide	106		6.582				ND	
14 Trichlorofluoromethane	101		6.748				ND	
16 Ethanol	45		7.181				ND	
20 1,1-Dichloroethene	96		7.812				ND	
21 112TCTFE	101		7.855				ND	
22 Acetone	43		7.941				ND	
23 Carbon disulfide	76	8.197	8.213	-0.016	97	2317	0.0554	
24 Isopropyl alcohol	45		8.256				ND	
26 3-Chloro-1-propene	41		8.513				ND	
27 Methylene Chloride	49	8.727	8.738	-0.011	85	1274	0.0827	
28 2-Methyl-2-propanol	59		9.043				ND	
30 trans-1,2-Dichloroethene	61		9.241				ND	
31 Methyl tert-butyl ether	73		9.283				ND	
32 Hexane	57		9.749				ND	
33 1,1-Dichloroethane	63		10.000				ND	
34 Vinyl acetate	43		10.027				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
37 2-Butanone (MEK)	72		10.990				ND	
36 cis-1,2-Dichloroethene	96		10.995				ND	
38 Ethyl acetate	88		11.076				ND	
* 39 Chlorobromomethane	128	11.396	11.407	-0.011	87	106509	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Tetrahydrofuran	42		11.482				ND	
41 Chloroform	83		11.584				ND	
42 1,1,1-Trichloroethane	97		11.889				ND	
43 Cyclohexane	84		12.022				ND	
44 Carbon tetrachloride	117		12.167				ND	
45 Benzene	78		12.515				ND	
46 1,2-Dichloroethane	62		12.589				ND	
47 Isooctane	57		12.729				ND	
48 n-Heptane	43		13.039				ND	
* 49 1,4-Difluorobenzene	114	13.242	13.247	-0.005	94	522371	10.0	
51 Trichloroethene	95		13.681				ND	
53 1,2-Dichloropropane	63		14.136				ND	
55 Methyl methacrylate	69		14.232				ND	
56 Dibromomethane	174		14.291				ND	
57 1,4-Dioxane	88		14.301				ND	
58 Dichlorobromomethane	83		14.601				ND	
60 cis-1,3-Dichloropropene	75		15.403				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
62 Toluene	92		16.045				ND	
64 trans-1,3-Dichloropropene	75		16.457				ND	
65 1,1,2-Trichloroethane	83		16.832				ND	
66 Tetrachloroethene	166		17.035				ND	
67 2-Hexanone	43		17.287				ND	
68 Chlorodibromomethane	129		17.570				ND	
69 Ethylene Dibromide	107		17.811				ND	
* 70 Chlorobenzene-d5	117	18.720	18.720	0.000	85	411164	10.0	
72 Chlorobenzene	112		18.779				ND	
73 Ethylbenzene	91		18.972				ND	7
74 m-Xylene & p-Xylene	106		19.234				ND	
76 o-Xylene	106		20.010				ND	
77 Styrene	104		20.047				ND	
S 78 Xylenes, Total	106		20.100				ND	7
79 Bromoform	173		20.395				ND	
80 Isopropylbenzene	105		20.716				ND	
81 1,1,2,2-Tetrachloroethane	83		21.235				ND	
83 N-Propylbenzene	91		21.438				ND	
84 2-Chlorotoluene	91		21.582				ND	
85 4-Ethyltoluene	105		21.636				ND	
86 1,3,5-Trimethylbenzene	105		21.732				ND	
89 tert-Butylbenzene	119		22.214				ND	
90 1,2,4-Trimethylbenzene	105		22.299				ND	
91 sec-Butylbenzene	105		22.540				ND	
92 1,3-Dichlorobenzene	146		22.711				ND	
93 4-Isopropyltoluene	119		22.754				ND	
94 1,4-Dichlorobenzene	146		22.856				ND	
95 Benzyl chloride	91		23.000				ND	
96 n-Butylbenzene	91		23.310				ND	
97 1,2-Dichlorobenzene	146		23.337				ND	
100 1,2,4-Trichlorobenzene	180		25.760				ND	
101 Hexachlorobutadiene	225		26.007				ND	
102 Naphthalene	128		26.231				ND	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

[Reagents:](#)

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 26-May-2021 08:21:58

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

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210525-46111.b\46111-006.d

Injection Date: 25-May-2021 15:01:30

Instrument ID: CHW.i

Operator ID: ggg

Lims ID: 200-58599-A-8

Lab Sample ID: 200-58599-8

Worklist Smp#: 6

Client ID: 5449

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

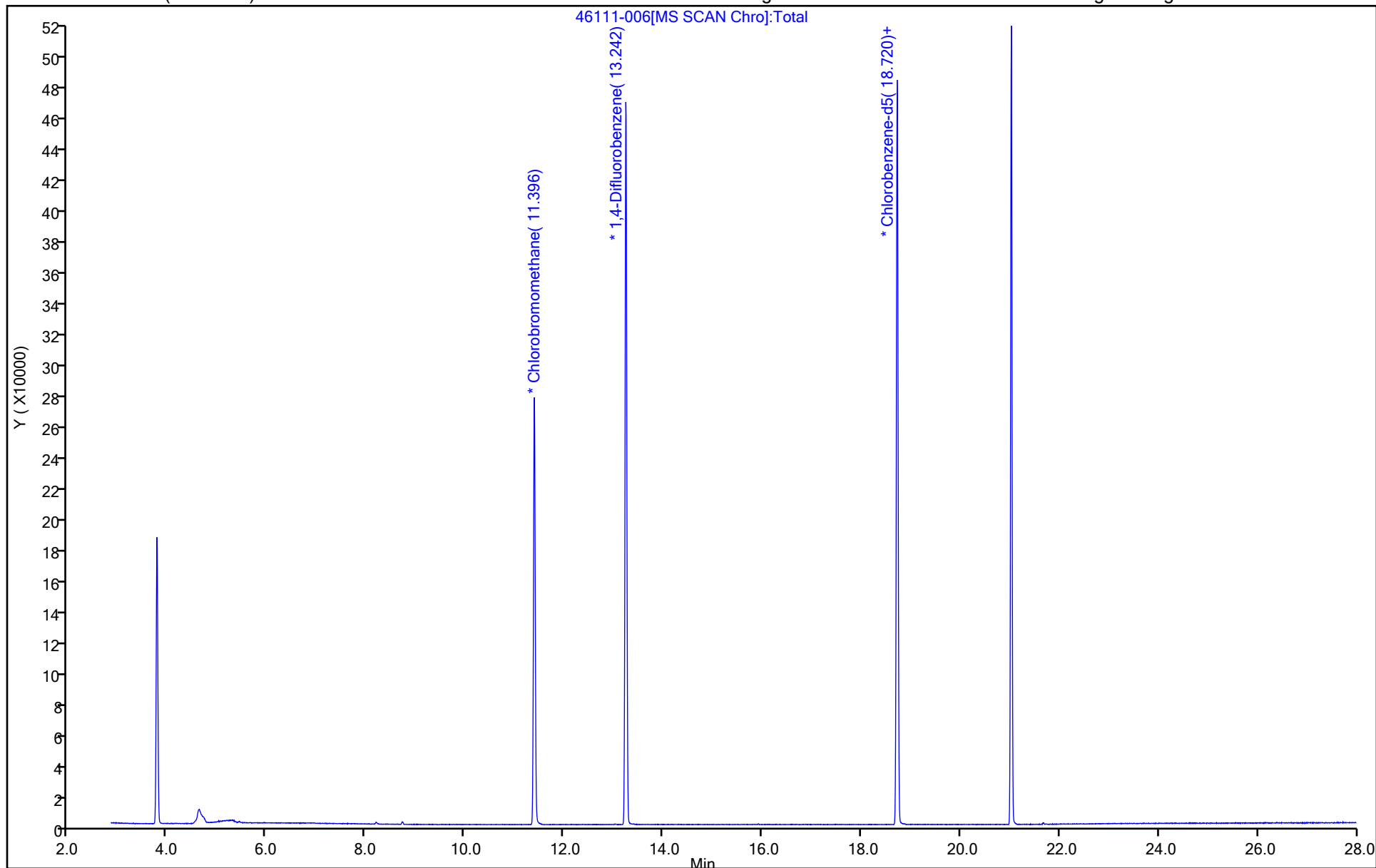
ALS Bottle#: 5

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-166937/4	46000-004.d
Level 2	IC 200-166937/5	46000-005.d
Level 3	IC 200-166937/6	46000-006.d
Level 4	IC 200-166937/7	46000-007.d
Level 5	ICIS 200-166937/8	46000-008.d
Level 6	IC 200-166937/9	46000-009.d
Level 7	IC 200-166937/13	46000-013.d
Level 8	IC 200-166937/14	46000-014.d

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														
Propylene	+++++ 1.1812	+++++ 1.0113	+++++ 1.0066	1.0822	1.0144	Ave		1.059 1				7.1		30.0			
Dichlorodifluoromethane	+++++ 3.9059	+++++ 3.2304	3.8496 3.1811	3.6074	3.4034	Ave		3.529 6				8.8		30.0			
Freon 22	+++++ 2.2459	+++++ 1.9489	2.2288 1.9499	2.0636	1.9501	Ave		2.064 5				6.8		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 4.0754	4.7937 3.6440	3.4921 3.6144	3.2725	3.5922	Ave		3.783 5				13.4		30.0			
Chloromethane	+++++ 1.2287	+++++ 1.0787	1.2414 1.0732	1.1111	1.0751	Ave		1.134 7				7.0		30.0			
Vinyl chloride	1.5576 1.5475	1.7266 1.3643	1.4980 1.3376	1.4074	1.3395	Ave		1.472 3				9.3		30.0			
n-Butane	+++++ 2.2249	+++++ 1.9549	2.2657 1.9011	2.0359	1.9496	Ave		2.055 3				7.5		30.0			
1,3-Butadiene	1.6015 1.2154	1.4801 1.0694	1.3781 1.0294	1.1226	1.0661	Ave		1.245 3				17.3		30.0			
Bromomethane	+++++ 1.4950	1.6968 1.3109	1.4937 1.2969	1.3652	1.2996	Ave		1.422 6				10.4		30.0			
Chloroethane	+++++ 0.8286	+++++ 0.7310	0.8143 0.7255	0.7595	0.7192	Ave		0.763 1				6.2		30.0			
Isopentane	+++++ 1.7166	2.8388 1.4963	1.6671 1.4761	1.5710	1.4894	Ave		1.750 8				27.9		30.0			
Bromoethene (Vinyl Bromide)	+++++ 1.5231	1.7123 1.3404	1.4681 1.3305	1.3765	1.3161	Ave		1.438 1				10.0		30.0			
Trichlorofluoromethane	+++++ 3.7286	4.1943 3.3048	3.6075 3.2614	3.4142	3.2243	Ave		3.533 6				9.8		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, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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														
n-Pentane	++++ 2.5651	++++ 2.2537	2.5783 2.2168	2.3634	2.2258	Ave		2.367 2				7.0		30.0			
Ethanol	++++ 0.8937	++++ 0.6974	0.9786 0.6638	0.9049	0.8106	Ave		0.824 8				15.1		30.0			
Ethyl ether	++++ 1.0617	1.1367 0.9208	0.9890 0.9201	0.9680	0.9039	Ave		0.985 7				8.7		30.0			
Acrolein	++++ 0.5912	++++ 0.4995	++++ 0.5181	0.5458	0.5113	Ave		0.533 2				6.9		30.0			
1,1-Dichloroethene	2.2735 1.4840	1.8041 1.3118	1.4849 1.2960	1.3599	1.2922	Ave		1.538 3				22.2		30.0			
Freon TF	++++ 3.0712	3.4017 2.7351	2.9617 2.6974	2.8110	2.6578	Ave		2.905 1				9.1		30.0			
Acetone	++++ 2.0270	++++ 1.7921	++++ 1.7638	1.8746	1.7376	Ave		1.839 0				6.4		30.0			
Carbon disulfide	++++ 4.1226	++++ 3.6531	4.7590 3.5731	3.8509	3.5980	Ave		3.926 1				11.6		30.0			
Isopropyl alcohol	++++ 2.3667	++++ 2.1094	++++ 2.0489	2.2765	2.1996	Ave		2.200 2				5.8		30.0			
Acetonitrile	++++ 0.9713	++++ 0.8556	++++ 0.8663	0.8733	0.8373	Ave		0.880 8				6.0		30.0			
3-Chloropropene	++++ 1.6394	2.4331 1.4521	1.7931 1.3914	1.3810	1.2924	Ave		1.626 1				24.3		30.0			
Methylene Chloride	++++ 1.5136	++++ 1.3400	1.7708 1.3147	1.4188	1.3250	Ave		1.447 1				12.1		30.0			
tert-Butyl alcohol	++++ 2.6257	++++ 2.3688	++++ 2.3389	2.5489	2.4106	Ave		2.458 6				5.0		30.0			
Acrylonitrile	++++ 0.9691	++++ 0.8546	0.9298 0.8467	0.8612	0.8339	Ave		0.882 5				6.1		30.0			
trans-1,2-Dichloroethene	++++ 1.9963	2.2161 1.7641	1.9201 1.7005	1.8321	1.7326	Ave		1.880 2				9.7		30.0			
Methyl tert-butyl ether	++++ 3.9510	4.4690 3.4907	3.8507 3.3640	3.6251	3.3723	Ave		3.731 8				10.6		30.0			
n-Hexane	++++ 2.0911	2.4950 1.8447	2.3451 1.7755	1.9320	1.8078	Ave		2.041 6				13.8		30.0			
1,1-Dichloroethane	2.7393 2.5089	2.8136 2.2107	2.4518 2.1440	2.3029	2.1563	Ave		2.416 0				10.7		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, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5		B	M1	M2								
Vinyl acetate	++++ 3.0041	2.9814 2.6259	2.6442 2.5348	2.6831	2.4943	Ave		2.709 7				7.5		30.0			
cis-1,2-Dichloroethene	2.1420 1.5031	1.9275 1.3370	1.5238 1.2900	1.3868	1.2997	Ave		1.551 2				20.4		30.0			
Methyl Ethyl Ketone	++++ 0.6968	++++ 0.6245	0.7466 0.6071	0.6523	0.6057	Ave		0.655 5				8.6		30.0			
Ethyl acetate	++++ 0.1332	++++ 0.1221	++++ 0.1202	0.1251	0.1146	Ave		0.123 0				5.6		30.0			
Tetrahydrofuran	++++ 0.3019	++++ 0.2738	++++ 0.2821	0.2783	0.2609	Ave		0.279 4				5.3		30.0			
Chloroform	++++ 2.9308	3.4766 2.5885	2.9204 2.5575	2.6826	2.5302	Ave		2.812 4				12.0		30.0			
1,1,1-Trichloroethane	++++ 0.6081	0.6879 0.5542	0.5838 0.5780	0.5444	0.5218	Ave		0.582 6				9.3		30.0			
Cyclohexane	++++ 0.4043	0.4694 0.3680	0.3843 0.3794	0.3640	0.3496	Ave		0.388 4				10.2		30.0			
Carbon tetrachloride	0.5264 0.6461	0.5682 0.5768	0.5736 0.6183	0.5817	0.5635	Ave		0.581 8				6.2		30.0			
Benzene	++++ 0.8925	1.0184 0.7992	0.8703 0.8187	0.8120	0.7731	Ave		0.854 9				9.7		30.0			
1,2-Dichloroethane	++++ 0.3658	0.3807 0.3290	0.3364 0.3428	0.3288	0.3125	Ave		0.342 3				6.9		30.0			
2,2,4-Trimethylpentane	++++ 1.3831	1.5745 1.2389	1.3474 1.2539	1.2631	1.1966	Ave		1.322 5				9.7		30.0			
n-Heptane	++++ 0.4893	0.5615 0.4375	0.4659 0.4389	0.4485	0.4247	Ave		0.466 6				10.1		30.0			
n-Butanol	++++ 0.2055	++++ 0.2043	++++ 0.2179	0.2165	0.2056	Ave		0.210 0				3.2		30.0			
Trichloroethene	0.4983 0.4041	0.4570 0.3658	0.3827 0.3755	0.3665	0.3503	Ave		0.400 0				12.9		30.0			
1,2-Dichloropropane	++++ 0.3251	0.3589 0.2922	0.3112 0.2906	0.2956	0.2818	Ave		0.307 9				8.7		30.0			
Methyl methacrylate	++++ 0.3158	++++ 0.2960	0.3150 0.3031	0.2869	0.2719	Ave		0.298 1				5.7		30.0			
Dibromomethane	++++ 0.4252	0.4666 0.3874	0.4089 0.3928	0.4163	0.3947	Ave		0.413 1				6.6		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, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5		B	M1	M2								
1,4-Dioxane	++++ 0.1752	++++ 0.1615	++++ 0.1615	0.1654	0.1687	Ave		0.166 5				3.5		30.0			
Bromodichloromethane	++++ 0.6107	0.6667 0.5518	0.5660 0.5733	0.5425	0.5219	Ave		0.576 1				8.4		30.0			
cis-1,3-Dichloropropene	++++ 0.5502	0.5506 0.5025	0.4930 0.5215	0.4935	0.4745	Ave		0.512 3				5.8		30.0			
methyl isobutyl ketone	++++ 0.6558	++++ 0.5939	0.6108 0.5999	0.6043	0.5741	Ave		0.606 5				4.5		30.0			
Toluene	++++ 0.7763	0.9055 0.6834	0.7569 0.6925	0.7090	0.6741	Ave		0.742 5				11.0		30.0			
n-Octane	++++ 0.6858	0.7889 0.6085	0.6543 0.6041	0.6341	0.5942	Ave		0.652 9				10.4		30.0			
trans-1,3-Dichloropropene	++++ 0.4759	0.4373 0.4470	0.4196 0.4683	0.4252	0.4154	Ave		0.441 2				5.4		30.0			
1,1,2-Trichloroethane	++++ 0.3628	0.4224 0.3221	0.3554 0.3307	0.3291	0.3104	Ave		0.347 6				10.9		30.0			
Tetrachloroethene	0.7156 0.6861	0.7557 0.6082	0.6460 0.6203	0.6809	0.6266	Ave		0.667 4				7.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.7033	++++ 0.6473	0.7045 0.6691	0.6704	0.6376	Ave		0.672 0				4.1		30.0			
Dibromochloromethane	++++ 0.8193	0.7818 0.7331	0.7163 0.7589	0.6965	0.6742	Ave		0.740 0				6.8		30.0			
1,2-Dibromoethane	++++ 0.6231	0.6403 0.5679	0.5750 0.5896	0.5661	0.5440	Ave		0.586 6				5.8		30.0			
Chlorobenzene	++++ 1.0104	1.0474 0.9103	0.9501 0.9307	0.9209	0.8755	Ave		0.949 3				6.3		30.0			
Ethylbenzene	++++ 1.6945	1.8698 1.5002	1.5868 1.5170	1.5527	1.4680	Ave		1.598 4				8.8		30.0			
m,p-Xylene	++++ 0.6512	0.6952 0.5838	0.6156 0.5800	0.6057	0.5712	Ave		0.614 7				7.3		30.0			
n-Nonane	++++ 0.7733	0.8263 0.6783	0.7773 0.6703	0.7301	0.6849	Ave		0.734 3				8.2		30.0			
Xylene, o-	++++ 0.6434	0.7049 0.5723	0.6091 0.5717	0.5921	0.5578	Ave		0.607 3				8.5		30.0			
Styrene	++++ 0.9926	0.8985 0.9109	0.8623 0.9259	0.9356	0.8884	Ave		0.916 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, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5		B	M1	M2								
Bromoform	++++ 0.6921	0.5114 0.6386	0.5318 0.6550	0.5244	0.5324	Ave		0.583 7				12.9		30.0			
Cumene	++++ 1.8885	2.0715 1.6936	1.8287 1.6829	1.7639	1.6555	Ave		1.797 8				8.2		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8812	0.9638 0.8138	0.8577 0.8353	0.8390	0.7878	Ave		0.854 1				6.7		30.0			
1,2,3-Trichloropropane	++++ 0.6886	++++ 0.6452	0.6568 0.6620	0.6392	0.6145	Ave		0.651 1				3.8		30.0			
n-Propylbenzene	++++ 2.1695	2.2244 1.9728	2.0195 1.9583	1.9988	1.9167	Ave		2.037 1				5.6		30.0			
2-Chlorotoluene	++++ 1.3340	1.4130 1.2147	1.2326 1.2090	1.2508	1.1828	Ave		1.262 4				6.5		30.0			
4-Ethyltoluene	++++ 1.8020	1.7898 1.6534	1.6444 1.6383	1.6560	1.5948	Ave		1.682 7				4.8		30.0			
1,3,5-Trimethylbenzene	++++ 1.5535	1.7160 1.4091	1.5227 1.3827	1.4607	1.3772	Ave		1.488 8				8.1		30.0			
n-Decane	++++ 0.9636	0.9976 0.8585	0.9322 0.8301	0.9215	0.8573	Ave		0.908 7				6.8		30.0			
Alpha Methyl Styrene	++++ 0.7898	0.8008 0.7439	0.6858 0.7361	0.7258	0.7121	Ave		0.742 0				5.5		30.0			
tert-Butylbenzene	++++ 1.5460	1.7430 1.3762	1.5116 1.3523	1.4759	1.3729	Ave		1.482 6				9.3		30.0			
1,2,4-Trimethylbenzene	++++ 1.5148	1.6563 1.3824	1.5062 1.3505	1.4389	1.3498	Ave		1.457 0				7.6		30.0			
sec-Butylbenzene	++++ 2.2438	2.4891 2.0161	2.2211 1.9518	2.1599	2.0006	Ave		2.154 6				8.6		30.0			
1,3-Dichlorobenzene	++++ 0.8688	0.6702 0.8612	0.6842 0.8794	0.8136	0.8097	Ave		0.798 2				10.9		30.0			
4-Isopropyltoluene	++++ 1.9365	2.1001 1.7611	1.8784 1.7140	1.8648	1.7425	Ave		1.856 8				7.2		30.0			
1,4-Dichlorobenzene	++++ 0.8006	0.5446 0.8235	0.5854 0.8620	0.7526	0.7638	Ave		0.733 2				16.5		30.0			
Benzyl chloride	++++ 0.8376	0.4499 0.9819	0.6447 1.0459	0.8429	0.8746	Ave		0.811 1				25.1		30.0			
n-Butylbenzene	++++ 1.6245	1.5260 1.5287	1.4852 1.4674	1.5892	1.5085	Ave		1.532 8				3.7		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, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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														
1,2-Dichlorobenzene	+++++ 0.8451	0.8102 0.8478	0.7939 0.8388	0.8432	0.8134	Ave		0.827 5				2.6		30.0			
n-Undecane	+++++ 1.0624	+++++ 0.9395	+++++ 0.8828	0.9783	0.9368	Ave		0.960 0				6.9		30.0			
n-Dodecane	+++++ 1.0511	+++++ 0.9821	+++++ 0.9008	1.0175	0.9748	Ave		0.985 3				5.7		30.0			
1,2,4-Trichlorobenzene	+++++ 0.3967	+++++ 0.5466	0.2783 0.5574	0.4367	0.4918	Ave		0.451 2				23.3		30.0			
Hexachlorobutadiene	+++++ 1.0003	1.0373 0.9305	0.9153 0.9430	0.9235	0.8945	Ave		0.949 2				5.4		30.0			
Naphthalene	+++++ 0.8215	+++++ 1.2555	0.8532 1.1569	1.1188	1.2180	Ave		1.070 7				17.5		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4575	+++++ 0.5957	0.4312 0.6107	0.5401	0.5602	Ave		0.532 6				13.8		30.0			

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

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-166937/4	46000-004.d
Level 2	IC 200-166937/5	46000-005.d
Level 3	IC 200-166937/6	46000-006.d
Level 4	IC 200-166937/7	46000-007.d
Level 5	ICIS 200-166937/8	46000-008.d
Level 6	IC 200-166937/9	46000-009.d
Level 7	IC 200-166937/13	46000-013.d
Level 8	IC 200-166937/14	46000-014.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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 216388	+++++ 267102	+++++ 539390	66996	147907	+++++ 15.5	+++++ 20.6	+++++ 41.3	4.64	10.3
Dichlorodifluoromethane	BCM	Ave	+++++ 723883	+++++ 863116	+++++ 23137 1724356	225928	502007	+++++ 15.7	+++++ 20.9	+++++ 0.470 41.8	4.69	10.4
Freon 22	BCM	Ave	+++++ 417825	+++++ 522727	+++++ 13447 1061035	129738	288741	+++++ 15.7	+++++ 21.0	+++++ 0.472 41.9	4.71	10.5
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 753111	+++++ 10771 970833	+++++ 20928 1953648	204364	528328	+++++ 15.6	+++++ 0.188 20.8	+++++ 0.469 41.6	4.68	10.4
Chloromethane	BCM	Ave	+++++ 238187	+++++ 301465	+++++ 7804 608476	72788	165862	+++++ 16.4	+++++ 21.8	+++++ 0.492 43.7	4.91	10.9
Vinyl chloride	BCM	Ave	+++++ 285416	+++++ 3872 362785	+++++ 8960 721612	87720	196633	+++++ 0.0364 15.6	+++++ 0.187 20.8	+++++ 0.468 41.6	4.67	10.4
n-Butane	BCM	Ave	+++++ 409172	+++++ 518319	+++++ 13513 1022607	126529	285365	+++++ 15.5	+++++ 20.7	+++++ 0.467 41.4	4.66	10.4
1,3-Butadiene	BCM	Ave	+++++ 218347	+++++ 3233 276977	+++++ 8029 540902	68152	152437	+++++ 0.0355 15.2	+++++ 0.183 20.2	+++++ 0.456 40.5	4.55	10.1
Bromomethane	BCM	Ave	+++++ 273621	+++++ 3776 345909	+++++ 8866 694276	84438	189309	+++++ 15.5	+++++ 0.186 20.6	+++++ 0.464 41.2	4.63	10.3
Chloroethane	BCM	Ave	+++++ 152832	+++++ 194390	+++++ 4871 391403	47341	105582	+++++ 15.6	+++++ 20.8	+++++ 0.468 41.6	4.67	10.4
Isopentane	BCM	Ave	+++++ 318137	+++++ 6397 399804	+++++ 10020 800137	98389	219686	+++++ 15.7	+++++ 0.188 20.9	+++++ 0.470 41.8	4.69	10.4
Bromoethene (Vinyl Bromide)	BCM	Ave	+++++ 281727	+++++ 3851 357445	+++++ 8807 719816	86044	193750	+++++ 15.6	+++++ 0.188 20.8	+++++ 0.469 41.7	4.68	10.4
Trichlorofluoromethane	BCM	Ave	+++++ 698967	+++++ 9560 893144	+++++ 21931 1788206	216285	481061	+++++ 15.8	+++++ 0.190 21.1	+++++ 0.476 42.2	4.74	10.6

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Pentane	BCM	Ave	++++ 461271	++++ 584289	15036 1165998	143624	318558	++++ 15.2	++++ 20.3	0.456 40.5	4.55	10.1
Ethanol	BCM	Ave	++++ 211995	++++ 357016	56404 861687	108640	171871	++++ 20.0	++++ 40.0	4.51 100.0	8.99	15.0
Ethyl ether	BCM	Ave	++++ 189983	2473 237537	5739 481554	58532	128731	++++ 15.1	0.182 20.2	0.454 40.3	4.53	10.1
Acrolein	BCM	Ave	++++ 102004	++++ 124267	++++ 261485	31824	70213	++++ 14.6	++++ 19.4	++++ 38.9	4.37	9.72
1,1-Dichloroethene	BCM	Ave	982 270805	4003 345135	8788 691730	83864	187679	0.0361 15.4	0.185 20.6	0.463 41.1	4.62	10.3
Freon TF	BCM	Ave	++++ 571901	7702 734295	17886 1469186	176896	393910	++++ 15.7	0.189 21.0	0.472 42.0	4.71	10.5
Acetone	BCM	Ave	++++ 368463	++++ 469664	++++ 937796	115156	251391	++++ 15.4	++++ 20.5	++++ 41.0	4.60	10.2
Carbon disulfide	BCM	Ave	++++ 743546	++++ 949890	27836 1884894	234712	516472	++++ 15.2	++++ 20.3	0.458 40.6	4.57	10.2
Isopropyl alcohol	BCM	Ave	++++ 429380	++++ 551726	++++ 1087265	139571	317607	++++ 15.3	++++ 20.4	++++ 40.9	4.59	10.2
Acetonitrile	BCM	Ave	++++ 170704	++++ 216777	++++ 445325	51868	117116	++++ 14.9	++++ 19.8	++++ 39.6	4.45	9.90
3-Chloropropene	BCM	Ave	++++ 309942	5593 395777	10994 769426	88233	194472	++++ 16.0	0.192 21.3	0.480 42.6	4.79	10.6
Methylene Chloride	BCM	Ave	++++ 276215	++++ 352538	10480 701736	87494	192447	++++ 15.4	++++ 20.6	0.463 41.1	4.62	10.3
tert-Butyl alcohol	BCM	Ave	++++ 502464	++++ 653540	++++ 1309147	164832	367139	++++ 16.2	++++ 21.6	++++ 43.1	4.84	10.8
Acrylonitrile	BCM	Ave	++++ 173933	++++ 221111	5412 444441	52229	119115	++++ 15.2	++++ 20.2	0.455 40.4	4.54	10.1
trans-1,2-Dichloroethene	BCM	Ave	++++ 361457	4879 460504	11275 900575	112104	249685	++++ 15.3	0.184 20.4	0.459 40.8	4.58	10.2
Methyl tert-butyl ether	BCM	Ave	++++ 732941	10080 933566	23166 1825270	227256	497888	++++ 15.7	0.189 20.9	0.471 41.8	4.70	10.4
n-Hexane	BCM	Ave	++++ 393113	5703 499978	14297 976274	122740	270489	++++ 15.9	0.191 21.2	0.477 42.4	4.76	10.6
1,1-Dichloroethane	BCM	Ave	1151 445378	6073 565774	14115 1113230	138150	304655	0.0351 15.0	0.180 20.0	0.450 40.0	4.49	10.00

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Vinyl acetate	BCM	Ave	++++ 554077	6686 698265	15816 1367481	167235	366149	++++ 15.6	0.187 20.8	0.468 41.6	4.67	10.4
cis-1,2-Dichloroethene	BCM	Ave	909 269502	4202 345597	8860 676483	84027	185459	0.0354 15.2	0.182 20.2	0.455 40.4	4.54	10.1
Methyl Ethyl Ketone	BCM	Ave	++++ 127900	++++ 165260	4444 325913	40461	88487	++++ 15.5	++++ 20.7	0.466 41.4	4.65	10.3
Ethyl acetate	BCM	Ave	++++ 23946	++++ 31649	++++ 63198	7603	16399	++++ 15.2	++++ 20.3	++++ 40.5	4.55	10.1
Tetrahydrofuran	DFBZ	Ave	++++ 268391	++++ 341844	++++ 677580	84968	184152	++++ 15.0	++++ 20.0	++++ 40.0	4.49	9.99
Chloroform	BCM	Ave	++++ 525474	7579 669108	16981 1341189	162540	361060	++++ 15.2	0.182 20.2	0.455 40.4	4.54	10.1
1,1,1-Trichloroethane	DFBZ	Ave	++++ 551396	7870 705758	17817 1416233	169519	375681	++++ 15.3	0.184 20.4	0.459 40.8	4.58	10.2
Cyclohexane	DFBZ	Ave	++++ 365186	5349 466826	11683 925980	112899	250664	++++ 15.2	0.183 20.3	0.457 40.6	4.56	10.1
Carbon tetrachloride	DFBZ	Ave	1162 584082	6482 732283	17454 1510602	180611	404499	0.0356 15.2	0.183 20.3	0.458 40.6	4.57	10.2
Benzene	DFBZ	Ave	++++ 820386	11812 1031635	26925 2033599	256318	564242	++++ 15.5	0.186 20.7	0.465 41.3	4.64	10.3
1,2-Dichloroethane	DFBZ	Ave	++++ 337208	4428 425914	10439 853865	104079	228703	++++ 15.5	0.187 20.7	0.467 41.4	4.66	10.4
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 1288527	18509 1620891	42254 3156751	404113	885113	++++ 15.7	0.189 20.9	0.472 41.9	4.70	10.5
n-Heptane	DFBZ	Ave	++++ 457577	6626 574566	14667 1109185	144031	315375	++++ 15.8	0.190 21.0	0.473 42.0	4.72	10.5
n-Butanol	DFBZ	Ave	++++ 174639	++++ 243793	++++ 500342	63186	138717	++++ 14.3	++++ 19.1	++++ 38.2	4.29	9.55
Trichloroethene	DFBZ	Ave	1140 378610	5403 481288	12071 950780	117933	260603	0.0369 15.8	0.190 21.1	0.474 42.1	4.73	10.5
1,2-Dichloropropane	DFBZ	Ave	++++ 298232	4154 376511	9609 720510	93124	205242	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3
Methyl methacrylate	DFBZ	Ave	++++ 285467	++++ 375846	9584 740405	89082	195199	++++ 15.2	++++ 20.3	0.458 40.6	4.57	10.2
Dibromomethane	DFBZ	Ave	++++ 389699	5396 498620	12613 972813	131018	287212	++++ 15.5	0.186 20.6	0.464 41.2	4.63	10.3

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DFBZ	Ave	+++++ 164953	+++++ 213535	+++++ 410744	53466	126130	+++++ 15.9	+++++ 21.2	+++++ 42.3	4.75	10.6
Bromodichloromethane	DFBZ	Ave	+++++ 574412	7912 728848	17918 1457073	175239	389695	+++++ 15.9	0.191 21.1	0.476 42.3	4.75	10.6
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 508674	6423 652414	15341 1302982	156691	348328	+++++ 15.6	0.187 20.8	0.468 41.6	4.67	10.4
methyl isobutyl ketone	DFBZ	Ave	+++++ 597582	+++++ 760020	18732 1477171	189093	415300	+++++ 15.4	+++++ 20.5	0.461 41.0	4.60	10.2
Toluene	CBNZ d5	Ave	+++++ 591646	8541 749512	19029 1470738	185197	407448	+++++ 15.2	0.183 20.3	0.458 40.6	4.57	10.2
n-Octane	DFBZ	Ave	+++++ 630359	9150 785550	20244 1500620	200156	433639	+++++ 15.5	0.186 20.7	0.465 41.3	4.64	10.3
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 418408	4851 551895	12417 1112484	128375	289951	+++++ 14.8	0.178 19.8	0.445 39.5	4.44	9.88
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 285204	4110 364385	9216 724368	88664	193555	+++++ 15.7	0.189 21.0	0.472 41.9	4.71	10.5
Tetrachloroethene	CBNZ d5	Ave	1328 540388	7366 689282	16784 1361588	183791	391401	0.0368 15.8	0.189 21.0	0.473 42.0	4.72	10.5
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	+++++ 527068	+++++ 698049	17414 1397186	172182	378985	+++++ 15.0	+++++ 20.0	0.450 40.0	4.49	9.99
Dibromochloromethane	CBNZ d5	Ave	+++++ 594907	7026 765981	17157 1535544	173323	388270	+++++ 14.5	0.175 19.4	0.436 38.7	4.35	9.68
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 495941	6307 650398	15097 1307627	154416	343366	+++++ 15.9	0.191 21.2	0.478 42.4	4.77	10.6
Chlorobenzene	CBNZ d5	Ave	+++++ 795054	10200 1030780	24661 2040942	248341	546375	+++++ 15.7	0.189 21.0	0.472 42.0	4.71	10.5
Ethylbenzene	CBNZ d5	Ave	+++++ 1299026	17740 1654981	40129 3240883	407968	892611	+++++ 15.3	0.184 20.4	0.460 40.9	4.59	10.2

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
m,p-Xylene	CBNZ d5	Ave	++++ 1004330	13270 1295745	31320 2492729	320154	698657	++++ 30.8	0.371 41.1	0.926 82.2	9.24	20.6
n-Nonane	CBNZ d5	Ave	++++ 607927	8039 767316	20157 1468383	196698	427025	++++ 15.7	0.189 21.0	0.472 41.9	4.71	10.5
Xylene, o-	CBNZ d5	Ave	++++ 499971	6780 639983	15614 1238041	157693	343779	++++ 15.5	0.187 20.7	0.467 41.4	4.66	10.4
Styrene	CBNZ d5	Ave	++++ 768426	8608 1014702	22019 1997470	248217	545471	++++ 15.5	0.186 20.6	0.465 41.3	4.64	10.3
Bromoform	CBNZ d5	Ave	++++ 534218	4885 709343	13541 1408938	138739	325935	++++ 15.4	0.186 20.6	0.463 41.2	4.62	10.3
Cumene	CBNZ d5	Ave	++++ 1477495	20058 1906770	47197 3669235	472983	1027296	++++ 15.6	0.188 20.9	0.470 41.7	4.69	10.4
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 683486	9252 908309	21946 1805486	223028	484643	++++ 15.5	0.187 20.7	0.466 41.4	4.65	10.3
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 546990	++++ 737581	17212 1465505	174025	387172	++++ 15.9	++++ 21.2	0.477 42.4	4.76	10.6
n-Propylbenzene	CBNZ d5	Ave	++++ 1692521	21476 2214668	51971 4257295	534412	1185926	++++ 15.6	0.188 20.8	0.468 41.6	4.67	10.4
2-Chlorotoluene	CBNZ d5	Ave	++++ 1044703	13695 1368847	31843 2638382	335722	734643	++++ 15.7	0.188 20.9	0.470 41.8	4.69	10.4
4-Ethyltoluene	CBNZ d5	Ave	++++ 1396328	17164 1843586	42032 3537566	439800	980101	++++ 15.5	0.186 20.7	0.465 41.3	4.64	10.3
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 1210750	16552 1580388	39147 3003065	390166	851300	++++ 15.6	0.187 20.8	0.468 41.6	4.67	10.4

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Decane	CBNZ d5	Ave	+++++	9650	24036	246853	531486	+++++	0.188	0.469	4.68	10.4
			753207	965630	1808128			15.6	20.8	41.7		
Alpha Methyl Styrene	CBNZ d5	Ave	+++++	7583	17308	190338	432138	+++++	0.184	0.459	4.58	10.2
			604268	819053	1569435			15.3	20.4	40.8		
tert-Butylbenzene	CBNZ d5	Ave	+++++	16764	38750	393108	846210	+++++	0.187	0.467	4.66	10.4
			1201417	1538952	2928558			15.5	20.7	41.4		
1,2,4-Trimethylbenzene	CBNZ d5	Ave	+++++	15991	38761	384728	835203	+++++	0.188	0.468	4.67	10.4
			1181757	1551888	2935920			15.6	20.8	41.6		
sec-Butylbenzene	CBNZ d5	Ave	+++++	24171	57489	580817	1245025	+++++	0.189	0.471	4.70	10.5
			1760527	2276334	4267600			15.7	20.9	41.8		
1,3-Dichlorobenzene	CBNZ d5	Ave	+++++	6583	17911	221286	509648	+++++	0.191	0.477	4.75	10.6
			689533	983572	1944961			15.9	21.2	42.3		
4-Isopropyltoluene	CBNZ d5	Ave	+++++	20101	47921	494294	1068819	+++++	0.186	0.464	4.63	10.3
			1497643	1959897	3693873			15.5	20.6	41.2		
1,4-Dichlorobenzene	CBNZ d5	Ave	+++++	5293	15165	202585	475771	+++++	0.189	0.472	4.70	10.5
			628789	930710	1886545			15.7	20.9	41.9		
Benzyl chloride	CBNZ d5	Ave	+++++	4419	16877	229275	550545	+++++	0.191	0.477	4.75	10.6
			664721	1121383	2313166			15.9	21.2	42.3		
n-Butylbenzene	CBNZ d5	Ave	+++++	14719	38185	424509	932474	+++++	0.187	0.468	4.67	10.4
			1266061	1714455	3186943			15.6	20.8	41.6		
1,2-Dichlorobenzene	CBNZ d5	Ave	+++++	7853	20510	226324	505212	+++++	0.188	0.470	4.69	10.4
			661790	955392	1830639			15.7	20.9	41.8		
n-Undecane	CBNZ d5	Ave	+++++	+++++	+++++	263067	583008	+++++	+++++	+++++	4.70	10.5
			833597	1060726	1930336			15.7	20.9	41.8		

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

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1 Analy Batch No.: 166937

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2021 17:07 Calibration End Date: 05/18/2021 02:47 Calibration ID: 45855

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Dodecane	CBNZ d5	Ave	+++++	+++++	+++++	244854	542854	+++++	+++++	+++++	4.21	9.36
			737999	992275	1762513			14.0	18.7	37.4		
1,2,4-Trichlorobenzene	CBNZ d5	Ave	+++++	+++++	7479	121938	317747	+++++	+++++	0.489	4.88	10.9
			323147	640729	1265370			16.3	21.7	43.4		
Hexachlorobutadiene	CBNZ d5	Ave	+++++	9880	23237	243592	546043	+++++	0.185	0.462	4.61	10.3
			769861	1030509	2022536			15.4	20.5	41.0		
Naphthalene	CBNZ d5	Ave	+++++	+++++	20522	279570	704365	+++++	+++++	0.438	4.37	9.72
			598942	1317319	2350722			14.6	19.4	38.9		
1,2,3-Trichlorobenzene	CBNZ d5	Ave	+++++	+++++	9731	126629	303949	+++++	+++++	0.411	4.10	9.12
			312964	586446	1164322			13.7	18.2	36.5		

Curve Type Legend

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Lab Sample ID: ICV 200-166937/17 Calibration Date: 05/18/2021 05:38
 Instrument ID: CHW.i Calib Start Date: 05/17/2021 17:07
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 05/18/2021 02:47
 Lab File ID: 46000-017.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
Propylene	Ave	1.059	1.009		9.65	10.1	-4.7	30.0
Dichlorodifluoromethane	Ave	3.530	3.364		10.1	10.6	-4.7	30.0
Freon 22	Ave	2.065	1.903		9.75	10.6	-7.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.783	3.102		8.68	10.6	-18.0	30.0
Chloromethane	Ave	1.135	1.151		10.1	9.94	1.4	30.0
Vinyl chloride	Ave	1.472	1.390		9.43	9.99	-5.6	30.0
n-Butane	Ave	2.055	1.914		9.59	10.3	-6.9	30.0
1,3-Butadiene	Ave	1.245	1.091		8.50	9.70	-12.4	30.0
Bromomethane	Ave	1.423	1.292		9.44	10.4	-9.2	30.0
Chloroethane	Ave	0.7631	0.7034		9.74	10.6	-7.8	30.0
Isopentane	Ave	1.751	1.470		8.77	10.4	-16.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.438	1.383		9.67	10.0	-3.8	30.0
Trichlorofluoromethane	Ave	3.534	3.310		9.75	10.4	-6.3	30.0
n-Pentane	Ave	2.367	2.204		9.50	10.2	-6.9	30.0
Ethanol	Ave	0.8248	0.8274		14.7	14.7	0.3	30.0
Ethyl ether	Ave	0.9857	0.8939		9.28	10.2	-9.3	30.0
Acrolein	Ave	0.5332	0.4943		9.00	9.71	-7.3	30.0
1,1-Dichloroethene	Ave	1.538	1.322		8.76	10.2	-14.0	30.0
Freon TF	Ave	2.905	2.675		9.83	10.7	-7.9	30.0
Acetone	Ave	1.839	1.718		9.74	10.4	-6.6	30.0
Carbon disulfide	Ave	3.926	3.594		9.48	10.4	-8.5	30.0
Isopropyl alcohol	Ave	2.200	2.193		10.1	10.2	-0.3	30.0
Acetonitrile	Ave	0.8808	0.8563		9.45	9.72	-2.8	30.0
3-Chloropropene	Ave	1.626	1.282		8.46	10.7	-21.2	30.0
Methylene Chloride	Ave	1.447	1.344		9.52	10.2	-7.1	30.0
tert-Butyl alcohol	Ave	2.459	2.426		10.7	10.8	-1.3	30.0
Acrylonitrile	Ave	0.8825	0.8325		9.61	10.2	-5.7	30.0
trans-1,2-Dichloroethene	Ave	1.880	1.750		9.61	10.3	-6.9	30.0
Methyl tert-butyl ether	Ave	3.732	3.476		9.84	10.6	-6.8	30.0
n-Hexane	Ave	2.042	1.855		9.51	10.5	-9.1	30.0
1,1-Dichloroethane	Ave	2.416	2.147		9.12	10.3	-11.1	30.0
Vinyl acetate	Ave	2.710	2.593		9.63	10.1	-4.3	30.0
Methyl Ethyl Ketone	Ave	0.6555	0.6286		9.93	10.4	-4.1	30.0
cis-1,2-Dichloroethene	Ave	1.551	1.302		8.70	10.4	-16.0	30.0
Ethyl acetate	Ave	0.1230	0.1176		9.76	10.2	-4.4	30.0
Tetrahydrofuran	Ave	0.2794	0.2785		9.78	9.81	-0.3	30.0
Chloroform	Ave	2.812	2.523		9.26	10.3	-10.3	30.0
1,1,1-Trichloroethane	Ave	0.5826	0.5396		9.56	10.3	-7.4	30.0
Cyclohexane	Ave	0.3884	0.3629		9.55	10.2	-6.6	30.0
Carbon tetrachloride	Ave	0.5818	0.5977		10.3	10.0	2.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Lab Sample ID: ICV 200-166937/17 Calibration Date: 05/18/2021 05:38
 Instrument ID: CHW.i Calib Start Date: 05/17/2021 17:07
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 05/18/2021 02:47
 Lab File ID: 46000-017.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
Benzene	Ave	0.8549	0.7917		9.62	10.4	-7.4	30.0
1,2-Dichloroethane	Ave	0.3423	0.3181		9.72	10.5	-7.0	30.0
2,2,4-Trimethylpentane	Ave	1.322	1.269		9.73	10.1	-4.1	30.0
n-Heptane	Ave	0.4666	0.4362		9.64	10.3	-6.5	30.0
n-Butanol	Ave	0.2100	0.2224		9.65	9.11	5.9	30.0
Trichloroethene	Ave	0.4000	0.3701		9.52	10.3	-7.5	30.0
1,2-Dichloropropane	Ave	0.3079	0.2915		9.80	10.3	-5.3	30.0
Methyl methacrylate	Ave	0.2981	0.2858		9.79	10.2	-4.1	30.0
Dibromomethane	Ave	0.4131	0.4171		10.4	10.3	1.0	30.0
1,4-Dioxane	Ave	0.1665	0.1825		11.3	10.3	9.6	30.0
Bromodichloromethane	Ave	0.5761	0.5542		9.90	10.3	-3.8	30.0
cis-1,3-Dichloropropene	Ave	0.5123	0.5158		10.0	9.94	0.7	30.0
methyl isobutyl ketone	Ave	0.6065	0.5917		9.94	10.2	-2.4	30.0
Toluene	Ave	0.7425	0.6948		9.54	10.2	-6.4	30.0
n-Octane	Ave	0.6529	0.6110		9.64	10.3	-6.4	30.0
trans-1,3-Dichloropropene	Ave	0.4412	0.4340		9.69	9.85	-1.6	30.0
1,1,2-Trichloroethane	Ave	0.3476	0.3250		9.81	10.5	-6.5	30.0
Tetrachloroethene	Ave	0.6674	0.6623		10.4	10.5	-0.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6720	0.6352		9.55	10.1	-5.5	30.0
Dibromochloromethane	Ave	0.7400	0.6553		9.39	10.6	-11.4	30.0
1,2-Dibromoethane	Ave	0.5866	0.5666		10.3	10.7	-3.4	30.0
Chlorobenzene	Ave	0.9493	0.9204		10.2	10.5	-3.0	30.0
Ethylbenzene	Ave	1.598	1.538		9.84	10.2	-3.8	30.0
m,p-Xylene	Ave	0.6147	0.6208		20.2	20.0	1.0	30.0
n-Nonane	Ave	0.7343	0.7055		10.1	10.5	-3.9	30.0
Xylene, o-	Ave	0.6073	0.5892		10.1	10.4	-3.0	30.0
Styrene	Ave	0.9163	0.9362		10.5	10.3	2.2	30.0
Bromoform	Ave	0.5837	0.5655		9.98	10.3	-3.1	30.0
Cumene	Ave	1.798	1.738		10.1	10.5	-3.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8541	0.8249		9.99	10.3	-3.4	30.0
1,2,3-Trichloropropane	Ave	0.6511	0.6480		10.6	10.6	-0.5	30.0
n-Propylbenzene	Ave	2.037	2.029		10.3	10.4	-0.4	30.0
2-Chlorotoluene	Ave	1.262	1.246		10.3	10.4	-1.3	30.0
4-Ethyltoluene	Ave	1.683	1.703		10.4	10.2	1.2	30.0
1,3,5-Trimethylbenzene	Ave	1.489	1.440		10.1	10.5	-3.3	30.0
n-Decane	Ave	0.9087	0.8977		10.2	10.3	-1.2	30.0
Alpha Methyl Styrene	Ave	0.7420	0.7596		10.4	10.2	2.4	30.0
tert-Butylbenzene	Ave	1.483	1.445		10.1	10.4	-2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.457	1.428		10.2	10.4	-2.0	30.0
sec-Butylbenzene	Ave	2.155	2.119		10.3	10.5	-1.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Lab Sample ID: ICV 200-166937/17 Calibration Date: 05/18/2021 05:38
 Instrument ID: CHW.i Calib Start Date: 05/17/2021 17:07
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 05/18/2021 02:47
 Lab File ID: 46000-017.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
1,3-Dichlorobenzene	Ave	0.7982	0.8963		11.4	10.2	12.3	30.0
4-Isopropyltoluene	Ave	1.857	1.816		10.3	10.5	-2.2	30.0
1,4-Dichlorobenzene	Ave	0.7332	0.8115		11.5	10.4	10.7	30.0
Benzyl chloride	Ave	0.8111	0.9525		11.9	10.2	17.4	30.0
n-Butylbenzene	Ave	1.533	1.566		10.7	10.5	2.1	30.0
1,2-Dichlorobenzene	Ave	0.8275	0.8429		11.0	10.8	1.9	30.0
n-Undecane	Ave	0.9600	0.9511		10.6	10.7	-0.9	30.0
n-Dodecane	Ave	0.9853	0.8796		9.50	10.6	-10.7	30.0
1,2,4-Trichlorobenzene	Ave	0.4512	0.4950		12.0	11.0	9.7	30.0
Hexachlorobutadiene	Ave	0.9492	0.8828		10.1	10.8	-7.0	30.0
Naphthalene	Ave	1.071	1.148		11.3	10.5	7.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5326	0.4718		9.62	10.9	-11.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-167228/2 Calibration Date: 05/25/2021 08:29
 Instrument ID: CHW.i Calib Start Date: 05/17/2021 17:07
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 05/18/2021 02:47
 Lab File ID: 46111-002.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
Propylene	Ave	1.059	1.055		10.3	10.3	-0.4	30.0
Dichlorodifluoromethane	Ave	3.530	3.330		9.85	10.4	-5.6	30.0
Freon 22	Ave	2.065	2.006		10.2	10.5	-2.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.783	3.680		10.1	10.4	-2.7	30.0
Chloromethane	Ave	1.135	1.135		10.9	10.9	0.0	30.0
Vinyl chloride	Ave	1.472	1.417		10.0	10.4	-3.8	30.0
n-Butane	Ave	2.055	2.089		10.5	10.4	1.6	30.0
1,3-Butadiene	Ave	1.245	1.118		9.08	10.1	-10.2	30.0
Bromomethane	Ave	1.423	1.288		9.33	10.3	-9.5	30.0
Chloroethane	Ave	0.7631	0.7205		9.81	10.4	-5.6	30.0
Isopentane	Ave	1.751	1.512		9.01	10.4	-13.7	30.0
Bromoethene (Vinyl Bromide)	Ave	1.438	1.279		9.27	10.4	-11.0	30.0
Trichlorofluoromethane	Ave	3.534	3.157		9.43	10.6	-10.7	30.0
n-Pentane	Ave	2.367	2.238		9.58	10.1	-5.4	30.0
Ethanol	Ave	0.8248	0.7980		14.5	15.0	-3.3	30.0
Ethyl ether	Ave	0.9857	0.8847		9.05	10.1	-10.2	30.0
Acrolein	Ave	0.5332	0.4798		8.75	9.72	-10.0	30.0
1,1-Dichloroethene	Ave	1.538	1.274		8.51	10.3	-17.2	30.0
Freon TF	Ave	2.905	2.696		9.73	10.5	-7.2	30.0
Acetone	Ave	1.839	1.754		9.76	10.2	-4.6	30.0
Carbon disulfide	Ave	3.926	3.674		9.50	10.2	-6.4	30.0
Isopropyl alcohol	Ave	2.200	2.074		9.63	10.2	-5.7	30.0
Acetonitrile	Ave	0.8808	0.8653		9.72	9.90	-1.8	30.0
3-Chloropropene	Ave	1.626	1.243		8.14	10.6	-23.5	30.0
Methylene Chloride	Ave	1.447	1.360		9.66	10.3	-6.0	30.0
tert-Butyl alcohol	Ave	2.459	2.249		9.86	10.8	-8.5	30.0
Acrylonitrile	Ave	0.8825	0.8324		9.53	10.1	-5.7	30.0
trans-1,2-Dichloroethene	Ave	1.880	1.751		9.50	10.2	-6.9	30.0
Methyl tert-butyl ether	Ave	3.732	3.367		9.43	10.4	-9.8	30.0
n-Hexane	Ave	2.042	1.785		9.26	10.6	-12.6	30.0
1,1-Dichloroethane	Ave	2.416	2.203		9.12	10.0	-8.8	30.0
Vinyl acetate	Ave	2.710	2.384		9.14	10.4	-12.0	30.0
Methyl Ethyl Ketone	Ave	0.6555	0.6015		9.49	10.3	-8.2	30.0
cis-1,2-Dichloroethene	Ave	1.551	1.302		8.47	10.1	-16.1	30.0
Ethyl acetate	Ave	0.1230	0.1137		9.36	10.1	-7.6	30.0
Tetrahydrofuran	Ave	0.2794	0.2713		9.70	9.99	-2.9	30.0
Chloroform	Ave	2.812	2.563		9.20	10.1	-8.9	30.0
1,1,1-Trichloroethane	Ave	0.5826	0.5523		9.66	10.2	-5.2	30.0
Cyclohexane	Ave	0.3884	0.3595		9.39	10.1	-7.4	30.0
Carbon tetrachloride	Ave	0.5818	0.5970		10.4	10.2	2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-167228/2 Calibration Date: 05/25/2021 08:29
 Instrument ID: CHW.i Calib Start Date: 05/17/2021 17:07
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 05/18/2021 02:47
 Lab File ID: 46111-002.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
Benzene	Ave	0.8549	0.7980		9.64	10.3	-6.7	30.0
1,2-Dichloroethane	Ave	0.3423	0.3271		9.90	10.4	-4.4	30.0
2,2,4-Trimethylpentane	Ave	1.322	1.231		9.74	10.5	-6.9	30.0
n-Heptane	Ave	0.4666	0.4242		9.55	10.5	-9.1	30.0
n-Butanol	Ave	0.2100	0.1946		8.85	9.55	-7.3	30.0
Trichloroethene	Ave	0.4000	0.3647		9.60	10.5	-8.8	30.0
1,2-Dichloropropane	Ave	0.3079	0.2993		10.0	10.3	-2.8	30.0
Methyl methacrylate	Ave	0.2981	0.2856		9.73	10.2	-4.2	30.0
Dibromomethane	Ave	0.4131	0.4249		10.6	10.3	2.9	30.0
1,4-Dioxane	Ave	0.1665	0.1777		11.3	10.6	6.8	30.0
Bromodichloromethane	Ave	0.5761	0.5480		10.1	10.6	-4.9	30.0
cis-1,3-Dichloropropene	Ave	0.5123	0.4797		9.73	10.4	-6.4	30.0
methyl isobutyl ketone	Ave	0.6065	0.5739		9.69	10.2	-5.4	30.0
Toluene	Ave	0.7425	0.6813		9.32	10.2	-8.2	30.0
n-Octane	Ave	0.6529	0.6043		9.56	10.3	-7.4	30.0
trans-1,3-Dichloropropene	Ave	0.4412	0.4240		9.49	9.88	-3.9	30.0
1,1,2-Trichloroethane	Ave	0.3476	0.3274		9.87	10.5	-5.8	30.0
Tetrachloroethene	Ave	0.6674	0.6509		10.2	10.5	-2.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6720	0.6122		9.10	9.99	-8.9	30.0
Dibromochloromethane	Ave	0.7400	0.7176		9.39	9.68	-3.0	30.0
1,2-Dibromoethane	Ave	0.5866	0.5629		10.2	10.6	-4.0	30.0
Chlorobenzene	Ave	0.9493	0.9159		10.1	10.5	-3.5	30.0
Ethylbenzene	Ave	1.598	1.520		9.71	10.2	-4.9	30.0
m,p-Xylene	Ave	0.6147	0.5984		20.0	20.6	-2.7	30.0
n-Nonane	Ave	0.7343	0.7031		10.0	10.5	-4.3	30.0
Xylene, o-	Ave	0.6073	0.5796		9.89	10.4	-4.6	30.0
Styrene	Ave	0.9163	0.9189		10.3	10.3	0.3	30.0
Bromoform	Ave	0.5837	0.5585		9.84	10.3	-4.3	30.0
Cumene	Ave	1.798	1.736		10.1	10.4	-3.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8541	0.8484		10.3	10.3	-0.7	30.0
1,2,3-Trichloropropane	Ave	0.6511	0.6630		10.8	10.6	1.8	30.0
n-Propylbenzene	Ave	2.037	2.040		10.4	10.4	0.1	30.0
2-Chlorotoluene	Ave	1.262	1.248		10.3	10.4	-1.2	30.0
4-Ethyltoluene	Ave	1.683	1.714		10.5	10.3	1.9	30.0
1,3,5-Trimethylbenzene	Ave	1.489	1.458		10.2	10.4	-2.1	30.0
n-Decane	Ave	0.9087	0.9121		10.5	10.4	0.4	30.0
Alpha Methyl Styrene	Ave	0.7420	0.7543		10.4	10.2	1.6	30.0
tert-Butylbenzene	Ave	1.483	1.461		10.2	10.4	-1.5	30.0
1,2,4-Trimethylbenzene	Ave	1.457	1.445		10.3	10.4	-0.8	30.0
sec-Butylbenzene	Ave	2.155	2.160		10.5	10.5	0.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-167228/2 Calibration Date: 05/25/2021 08:29
 Instrument ID: CHW.i Calib Start Date: 05/17/2021 17:07
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 05/18/2021 02:47
 Lab File ID: 46111-002.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
1,3-Dichlorobenzene	Ave	0.7982	0.8781		11.6	10.6	10.0	30.0
4-Isopropyltoluene	Ave	1.857	1.872		10.4	10.3	0.8	30.0
1,4-Dichlorobenzene	Ave	0.7332	0.8184		11.7	10.5	11.6	30.0
Benzyl chloride	Ave	0.8111	0.9117		11.9	10.6	12.4	30.0
n-Butylbenzene	Ave	1.533	1.613		10.9	10.4	5.2	30.0
1,2-Dichlorobenzene	Ave	0.8275	0.8907		11.2	10.4	7.6	30.0
n-Undecane	Ave	0.9600	0.9873		10.8	10.5	2.8	30.0
n-Dodecane	Ave	0.9853	0.9630		9.15	9.36	-2.3	30.0
1,2,4-Trichlorobenzene	Ave	0.4512	0.4680		11.3	10.9	3.7	30.0
Hexachlorobutadiene	Ave	0.9492	0.9161		9.90	10.3	-3.5	30.0
Naphthalene	Ave	1.071	1.157		10.5	9.72	8.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5326	0.5292		9.06	9.12	-0.6	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1

SDG No.: _____

Instrument ID: CHW.i Start Date: 05/17/2021 13:47Analysis Batch Number: 166937 End Date: 05/18/2021 12:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-166937/1		05/17/2021 13:47	1	46000-001.d	RTX-624 0.32 (mm)
IC 200-166937/4		05/17/2021 17:07	1	46000-004.d	RTX-624 0.32 (mm)
IC 200-166937/5		05/17/2021 18:09	1	46000-005.d	RTX-624 0.32 (mm)
ZZZZZ		05/17/2021 18:09	1		RTX-624 0.32 (mm)
IC 200-166937/6		05/17/2021 19:06	1	46000-006.d	RTX-624 0.32 (mm)
ZZZZZ		05/17/2021 19:06	1		RTX-624 0.32 (mm)
IC 200-166937/7		05/17/2021 20:07	1	46000-007.d	RTX-624 0.32 (mm)
ZZZZZ		05/17/2021 20:07	1		RTX-624 0.32 (mm)
ICIS 200-166937/8		05/17/2021 21:05	1	46000-008.d	RTX-624 0.32 (mm)
IC 200-166937/9		05/17/2021 22:03	1	46000-009.d	RTX-624 0.32 (mm)
IC 200-166937/13		05/18/2021 01:50	1	46000-013.d	RTX-624 0.32 (mm)
IC 200-166937/14		05/18/2021 02:47	1	46000-014.d	RTX-624 0.32 (mm)
ICV 200-166937/17		05/18/2021 05:38	1	46000-017.d	RTX-624 0.32 (mm)
ZZZZZ		05/18/2021 08:30	1		RTX-624 0.32 (mm)
200-58438-A-12 MDLV		05/18/2021 10:19	1		RTX-624 0.32 (mm)
200-58438-A-12 MDLV		05/18/2021 11:17	1		RTX-624 0.32 (mm)
200-58438-A-12 MDLV		05/18/2021 12:17	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58599-1

SDG No.: _____

Instrument ID: CHW.i Start Date: 05/25/2021 07:32Analysis Batch Number: 167228 End Date: 05/26/2021 05:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-167228/1		05/25/2021 07:32	1	46111-001.d	RTX-624 0.32 (mm)
CCVIS 200-167228/2		05/25/2021 08:29	1	46111-002.d	RTX-624 0.32 (mm)
LCS 200-167228/3		05/25/2021 09:27	1	46111-003.d	RTX-624 0.32 (mm)
MB 200-167228/4		05/25/2021 10:23	1	46111-004.d	RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 11:35	0.2		RTX-624 0.32 (mm)
200-58599-8	5449	05/25/2021 15:01	0.2	46111-006.d	RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 16:12	0.2		RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 17:09	10		RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 18:03	5		RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 18:57	4		RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 19:52	10		RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 20:48	10		RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 21:42	51		RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 22:37	10		RTX-624 0.32 (mm)
ZZZZZ		05/25/2021 23:31	10		RTX-624 0.32 (mm)
ZZZZZ		05/26/2021 00:26	10		RTX-624 0.32 (mm)
ZZZZZ		05/26/2021 01:21	10		RTX-624 0.32 (mm)
ZZZZZ		05/26/2021 02:16	20		RTX-624 0.32 (mm)
ZZZZZ		05/26/2021 03:11	10		RTX-624 0.32 (mm)
ZZZZZ		05/26/2021 04:06	10.1		RTX-624 0.32 (mm)
ZZZZZ		05/26/2021 05:01	79.8		RTX-624 0.32 (mm)

Shipping and Receiving Documents

Canister Samples Chain of Custody Record

530 Community Drive

Suite 11

South Burlington, VT 05403-6809

phone 802.660.1990 fax 802.660.1919



Environment Testing America

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

[illegible]

NANUET, NY 10954
UNITED STATES US

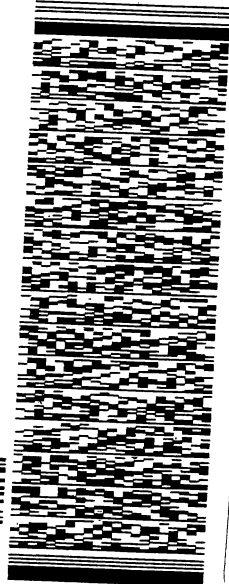
TO
SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1058

REF: S200-27913

RMA: |||||

FedEx
Express



FedEx

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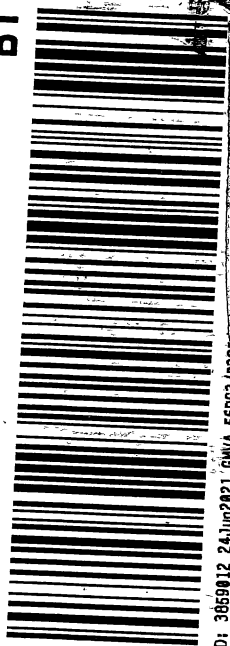
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FRI - 25 JUN AA
PRIORITY OVERNIGHT IT

NL BTVA

05403
VT-US
BTU



FTD: 3659012 24Jun2021 GWA 56063 Jea

Part # 156297-435 RRDB2 EXP 05/22

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 200-59052-1

SDG Number: 200-59052-1

Login Number: 59052

List Number: 1

Creator: Lavigne, Scott M

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 200-65325-1

SDG Number: 200-65325

Job Description: LFNY

For:

HDR Inc

404 Airport Executive Park

Nanuet, NY 10954

Attention: Daphnie Sainvilus



Approved for release.
Kathryn A Kelly
Project Manager II
10/20/2022 10:37 PM

Kathryn A Kelly, Project Manager II
530 Community Drive, South Burlington, VT, 05403
(802)923-1021
Kathryn.Kelly@et.eurofinsus.com
10/20/2022

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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.

Eurofins Burlington

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Definitions/Glossary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

CASE NARRATIVE

Client: HDR Inc

Project: LFNY

Report Number: 200-65325-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 10/14/2022; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples LL2 NORTH GYM-10-11-22, LL2 SOUTH GYM-10-11-22, LL2 HALLWAY-10-11-22, LL2 PUMP ROOM-10-11-22 and DRIVEWAY-10-11-22 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 10/17/2022 and 10/18/2022.

Sample DRIVEWAY-10-11-22[3.93X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Detection Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Client Sample ID: LL2 NORTH GYM-10-11-22

Lab Sample ID: 200-65325-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tetrachloroethene	0.058	J	0.20	0.021	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tetrachloroethene	0.39	J	1.4	0.14	ug/m3	1			TO-15	Total/NA

Client Sample ID: LL2 SOUTH GYM-10-11-22

Lab Sample ID: 200-65325-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tetrachloroethene	0.058	J	0.20	0.021	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tetrachloroethene	0.39	J	1.4	0.14	ug/m3	1			TO-15	Total/NA

Client Sample ID: LL2 HALLWAY-10-11-22

Lab Sample ID: 200-65325-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	0.10		0.037	0.025	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	0.49		0.20	0.021	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	0.55		0.20	0.13	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	3.3		1.4	0.14	ug/m3	1			TO-15	Total/NA

Client Sample ID: LL2 PUMP ROOM-10-11-22

Lab Sample ID: 200-65325-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	1.3		0.037	0.025	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	4.6		0.20	0.021	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	7.2		0.20	0.13	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	32		1.4	0.14	ug/m3	1			TO-15	Total/NA

Client Sample ID: DRIVEWAY-10-11-22

Lab Sample ID: 200-65325-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tetrachloroethene	0.086	J	0.79	0.083	ppb v/v	3.93			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tetrachloroethene	0.58	J	5.3	0.56	ug/m3	3.93			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Client Sample Results

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Client Sample ID: LL2 NORTH GYM-10-11-22

Lab Sample ID: 200-65325-1

Date Collected: 10/11/22 17:22

Matrix: Air

Date Received: 10/14/22 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			10/17/22 12:42	1
Tetrachloroethene	0.058	J	0.20	0.021	ppb v/v			10/17/22 12:42	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.13	ug/m3			10/17/22 12:42	1
Tetrachloroethene	0.39	J	1.4	0.14	ug/m3			10/17/22 12:42	1

Client Sample ID: LL2 SOUTH GYM-10-11-22

Lab Sample ID: 200-65325-2

Date Collected: 10/11/22 17:25

Matrix: Air

Date Received: 10/14/22 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			10/17/22 13:35	1
Tetrachloroethene	0.058	J	0.20	0.021	ppb v/v			10/17/22 13:35	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.13	ug/m3			10/17/22 13:35	1
Tetrachloroethene	0.39	J	1.4	0.14	ug/m3			10/17/22 13:35	1

Client Sample ID: LL2 HALLWAY-10-11-22

Lab Sample ID: 200-65325-3

Date Collected: 10/11/22 15:45

Matrix: Air

Date Received: 10/14/22 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.10		0.037	0.025	ppb v/v			10/17/22 14:27	1
Tetrachloroethene	0.49		0.20	0.021	ppb v/v			10/17/22 14:27	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.55		0.20	0.13	ug/m3			10/17/22 14:27	1
Tetrachloroethene	3.3		1.4	0.14	ug/m3			10/17/22 14:27	1

Client Sample ID: LL2 PUMP ROOM-10-11-22

Lab Sample ID: 200-65325-4

Date Collected: 10/11/22 17:29

Matrix: Air

Date Received: 10/14/22 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.3		0.037	0.025	ppb v/v			10/18/22 20:04	1
Tetrachloroethene	4.6		0.20	0.021	ppb v/v			10/18/22 20:04	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	7.2		0.20	0.13	ug/m3			10/18/22 20:04	1
Tetrachloroethene	32		1.4	0.14	ug/m3			10/18/22 20:04	1

Client Sample Results

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Client Sample ID: DRIVEWAY-10-11-22

Lab Sample ID: 200-65325-5

Date Collected: 10/11/22 08:11

Matrix: Air

Date Received: 10/14/22 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.15	U	0.15	0.098	ppb v/v			10/17/22 16:12	3.93
Tetrachloroethene	0.086	J	0.79	0.083	ppb v/v			10/17/22 16:12	3.93
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.79	U	0.79	0.53	ug/m3			10/17/22 16:12	3.93
Tetrachloroethene	0.58	J	5.3	0.56	ug/m3			10/17/22 16:12	3.93

Default Detection Limits

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	RL	MDL	Units
Tetrachloroethene	0.20	0.021	ppb v/v
Tetrachloroethene	1.4	0.14	ug/m3
Trichloroethene	0.037	0.025	ppb v/v
Trichloroethene	0.20	0.13	ug/m3

QC Sample Results

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-184744/4

Matrix: Air

Analysis Batch: 184744

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			10/17/22 09:12	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			10/17/22 09:12	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.13	ug/m3			10/17/22 09:12	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			10/17/22 09:12	1

Lab Sample ID: LCS 200-184744/3

Matrix: Air

Analysis Batch: 184744

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	10.0	10.1		ppb v/v		101	73 - 122
Tetrachloroethene	10.0	10.3		ppb v/v		103	70 - 125
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	54	54.1		ug/m3		101	73 - 122
Tetrachloroethene	68	69.6		ug/m3		103	70 - 125

Lab Sample ID: MB 200-184789/4

Matrix: Air

Analysis Batch: 184789

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			10/18/22 12:10	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			10/18/22 12:10	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.13	ug/m3			10/18/22 12:10	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			10/18/22 12:10	1

Lab Sample ID: LCS 200-184789/3

Matrix: Air

Analysis Batch: 184789

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	10.0	10.3		ppb v/v		103	73 - 122
Tetrachloroethene	10.0	10.5		ppb v/v		105	70 - 125
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	54	55.2		ug/m3		103	73 - 122
Tetrachloroethene	68	71.4		ug/m3		105	70 - 125

QC Association Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Air - GC/MS VOA

Analysis Batch: 184744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-65325-1	LL2 NORTH GYM-10-11-22	Total/NA	Air	TO-15	
200-65325-2	LL2 SOUTH GYM-10-11-22	Total/NA	Air	TO-15	
200-65325-3	LL2 HALLWAY-10-11-22	Total/NA	Air	TO-15	
200-65325-5	DRIVEWAY-10-11-22	Total/NA	Air	TO-15	
MB 200-184744/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-184744/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 184789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-65325-4	LL2 PUMP ROOM-10-11-22	Total/NA	Air	TO-15	
MB 200-184789/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-184789/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Client Sample ID: LL2 NORTH GYM-10-11-22

Lab Sample ID: 200-65325-1

Date Collected: 10/11/22 17:22

Matrix: Air

Date Received: 10/14/22 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	184744	VTP	EET BUR	10/17/22 12:42

Client Sample ID: LL2 SOUTH GYM-10-11-22

Lab Sample ID: 200-65325-2

Date Collected: 10/11/22 17:25

Matrix: Air

Date Received: 10/14/22 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	184744	VTP	EET BUR	10/17/22 13:35

Client Sample ID: LL2 HALLWAY-10-11-22

Lab Sample ID: 200-65325-3

Date Collected: 10/11/22 15:45

Matrix: Air

Date Received: 10/14/22 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	184744	VTP	EET BUR	10/17/22 14:27

Client Sample ID: LL2 PUMP ROOM-10-11-22

Lab Sample ID: 200-65325-4

Date Collected: 10/11/22 17:29

Matrix: Air

Date Received: 10/14/22 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	184789	A1B	EET BUR	10/18/22 20:04

Client Sample ID: DRIVEWAY-10-11-22

Lab Sample ID: 200-65325-5

Date Collected: 10/11/22 08:11

Matrix: Air

Date Received: 10/14/22 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		3.93	184744	VTP	EET BUR	10/17/22 16:12

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Laboratory: Eurofins Burlington

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-23

Method Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-65325-1	LL2 NORTH GYM-10-11-22	Air	10/11/22 17:22	10/14/22 10:35	Air Canister (6-Liter) #4311
200-65325-2	LL2 SOUTH GYM-10-11-22	Air	10/11/22 17:25	10/14/22 10:35	Air Canister (6-Liter) #3421
200-65325-3	LL2 HALLWAY-10-11-22	Air	10/11/22 15:45	10/14/22 10:35	Air Canister (6-Liter) #2523
200-65325-4	LL2 PUMP ROOM-10-11-22	Air	10/11/22 17:29	10/14/22 10:35	Air Canister (6-Liter) #5087
200-65325-5	DRIVEWAY-10-11-22	Air	10/11/22 08:11	10/14/22 10:35	Air Canister (6-Liter) #4307

Quantitation Limit Exceptions Summary

Client: HDR Inc
Project/Site: LFNY

Job ID: 200-65325-1
SDG: 200-65325

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
TO-15	Trichloroethene	Air	Total/NA	ppb v/v	0.037	0.20

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Instrument ID: CHX.i

Analysis Batch Number: 184287

Lab Sample ID: IC 200-184287/4

Client Sample ID:

Date Analyzed: 10/04/22 17:51

Lab File ID: 52704-04.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	5.33	Assign Peak	bunmaa	10/05/22 09:44
cis-1,2-Dichloroethene	11.04	Assign Peak	bunmaa	10/05/22 09:45

Lab Sample ID: IC 200-184287/5

Client Sample ID:

Date Analyzed: 10/04/22 18:43

Lab File ID: 52704-05.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	5.34	Assign Peak	bunmaa	10/05/22 09:48
Isopentane	6.51	Assign Peak	bunmaa	10/05/22 09:48
tert-Butyl alcohol	9.45	Assign Peak	bunmaa	10/05/22 09:50
n-Butanol	13.91	Assign Peak	bunmaa	10/05/22 09:55
Methyl isobutyl ketone	16.18	Assign Peak	bunmaa	10/05/22 14:30
Methyl Butyl Ketone (2-Hexanone)	17.50	Unspecified		

Lab Sample ID: IC 200-184287/6

Client Sample ID:

Date Analyzed: 10/04/22 19:36

Lab File ID: 52704-06.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
tert-Butyl alcohol	9.34	Assign Peak	bunmaa	10/05/22 10:04
n-Butanol	13.89	Assign Peak	bunmaa	10/05/22 10:06
Methyl isobutyl ketone	16.10	Assign Peak	bunmaa	10/05/22 14:27
Methyl Butyl Ketone (2-Hexanone)	17.66	Assign Peak	bunmaa	10/05/22 10:08

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Instrument ID: CHX.i Analysis Batch Number: 184287
Lab Sample ID: IC 200-184287/7 Client Sample ID: _____
Date Analyzed: 10/04/22 20:28 Lab File ID: 52704-07.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	14.39	Assign Peak	bunmaa	10/05/22 14:28
Methyl isobutyl ketone	15.75	Assign Peak	bunmaa	10/05/22 10:14

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Instrument ID: CHX.i Analysis Batch Number: 184744
 Lab Sample ID: 200-65325-2 Client Sample ID: LL2 SOUTH GYM-10-11-22
 Date Analyzed: 10/17/22 13:35 Lab File ID: 52891-09.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	13.73	Assign Peak	puangmaleek	10/18/22 09:20

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Instrument ID: CHX.i Analysis Batch Number: 184789
Lab Sample ID: CCVIS 200-184789/2 Client Sample ID: _____
Date Analyzed: 10/18/22 10:25 Lab File ID: 52909-02.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl isobutyl ketone	15.71	Assign Peak	bunmaa	10/19/22 08:52
Methyl Butyl Ketone (2-Hexanone)	17.39	Assign Peak	bunmaa	10/19/22 08:54

Lab Sample ID: MB 200-184789/4 Client Sample ID: _____
Date Analyzed: 10/18/22 12:10 Lab File ID: 52909-04.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	13.73	Assign Peak	bunmaa	10/19/22 09:02

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00246	10/25/22	10/03/22	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00210	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.20044 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2-Butanone (MEK)	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Hexanone	0.20044 ppb v/v
							2-Methyl-2-propanol	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloro-1-propene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	0.20044 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.20044 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Butadiene	0.20044 ppb v/v
							Butane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chlorodibromomethane	0.20044 ppb v/v
							Chlorodifluoromethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromomethane	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorobromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Ethylene Dibromide	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Hexane	0.20044 ppb v/v
							Isooctane	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							Isopropylbenzene	0.20044 ppb v/v
							m-Xylene & p-Xylene	0.400879 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							N-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.20044 ppb v/v
							o-Xylene	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	0.20044 ppb v/v
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl bromide	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00210	10/25/22	10/03/22	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00160	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Hexanone	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Butane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							Isopropylbenzene	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							N-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00147	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00160	10/25/22	10/03/22	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00044	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00044	10/25/22		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00147	11/03/22	10/03/22	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00323	10/25/22	10/03/22	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00210	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.500453 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	0.500453 ppb v/v
							2-Butanone (MEK)	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Hexanone	0.500453 ppb v/v
							2-Methyl-2-propanol	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloro-1-propene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.500453 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Butadiene	0.500453 ppb v/v
							Butane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodibromomethane	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodifluoromethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorobromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Ethylene Dibromide	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Hexane	0.500453 ppb v/v
							Isooctane	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v
							Isopropylbenzene	0.500453 ppb v/v
							m-Xylene & p-Xylene	1.00091 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							N-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.500453 ppb v/v
							Vinyl bromide	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ATTO15EthCALw_00147	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00210	10/25/22	10/03/22	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00160	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Hexanone	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Butane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							Isopropylbenzene	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							N-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00147	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00160	10/25/22	10/03/22	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00044	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00044	10/25/22		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00147	11/03/22	10/03/22	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00147	11/03/22	10/03/22	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL3w_00254	10/25/22	10/03/22	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00160	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2-Butanone (MEK)	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Hexanone	4.99256 ppb v/v
							2-Methyl-2-propanol	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloro-1-propene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							4-Methyl-2-pentanone (MIBK)	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	4.99256 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Butadiene	4.99256 ppb v/v
							Butane	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodibromomethane	4.99256 ppb v/v
							Chlorodifluoromethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorobromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Ethylene Dibromide	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	4.99256 ppb v/v
							Hexane	4.99256 ppb v/v
							Isooctane	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							Isopropylbenzene	4.99256 ppb v/v
							m-Xylene & p-Xylene	9.98513 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							N-Propylbenzene	4.99256 ppb v/v
							Naphthalene	4.99256 ppb v/v
							o-Xylene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	4.99256 ppb v/v
							Vinyl bromide	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
					ATTO15EthCALw_00147	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00160	10/25/22	10/03/22	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00044	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00044	10/25/22		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00147	11/03/22	10/03/22	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00792	10/25/22	10/03/22	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00160	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	9.99806 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2-Butanone (MEK)	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Hexanone	9.99806 ppb v/v
							2-Methyl-2-propanol	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v
							3-Chloro-1-propene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (MIBK)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	9.99806 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Butadiene	9.99806 ppb v/v
							Butane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodibromomethane	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorobromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Ethylene Dibromide	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Hexane	9.99806 ppb v/v
							Isooctane	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							Isopropylbenzene	9.99806 ppb v/v
							m-Xylene & p-Xylene	19.9961 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							N-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	9.99806 ppb v/v
							Vinyl bromide	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ATTO15EthCALw_00147	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00160	10/25/22	10/03/22	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00044	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15CALs_00044	10/25/22		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00147	11/03/22	10/03/22	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL5w_00123	10/25/22	10/03/22	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00160	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	15.0036 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2-Butanone (MEK)	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Hexanone	15.0036 ppb v/v
							2-Methyl-2-propanol	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v
							3-Chloro-1-propene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	15.0036 ppb v/v
							4-Methyl-2-pentanone (MIBK)	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	15.0036 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Butadiene	15.0036 ppb v/v
							Butane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodibromomethane	15.0036 ppb v/v
							Chlorodifluoromethane	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorobromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Ethylene Dibromide	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Hexane	15.0036 ppb v/v
							Isooctane	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v
							Isopropylbenzene	15.0036 ppb v/v
							m-Xylene & p-Xylene	30.0071 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v
							n-Decane	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							N-Propylbenzene	15.0036 ppb v/v
							Naphthalene	15.0036 ppb v/v
							o-Xylene	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	15.0036 ppb v/v
							Vinyl bromide	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
					ATTO15EthCALw_00147	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00160	10/25/22	10/03/22	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00044	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
Vinyl bromide	200 ppb v/v							
Vinyl chloride	200 ppb v/v							
..ATTO15CALs_00044	10/25/22	Linde, Lot CC-237336			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluor oethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetraflu roethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00147	11/03/22	10/03/22	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00210	10/25/22	10/03/22	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00160	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Hexanone	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Butane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							Isopropylbenzene	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							N-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00147	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00160	10/25/22	10/03/22	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00044	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00044	10/25/22		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00147	11/03/22	10/03/22	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00123	10/25/22	10/03/22	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00160	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	39.9922 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Butanone (MEK)	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Hexanone	39.9922 ppb v/v
							2-Methyl-2-propanol	39.9922 ppb v/v
							2-Methylbutane	39.9922 ppb v/v
							3-Chloro-1-propene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							4-Methyl-2-pentanone (MIBK)	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	39.9922 ppb v/v
							Acrylonitrile	39.9922 ppb v/v
							Alpha Methyl Styrene	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v
							Benzyl chloride	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v
							Butadiene	39.9922 ppb v/v
							Butane	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chlorodibromomethane	39.9922 ppb v/v
							Chlorodifluoromethane	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v
							cis-1,2-Dichloroethene	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dibromomethane	39.9922 ppb v/v
							Dichlorobromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Dodecane	39.9922 ppb v/v
							Ethyl acetate	39.9922 ppb v/v
							Ethyl ether	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Ethylene Dibromide	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Hexane	39.9922 ppb v/v
							Isooctane	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							Isopropylbenzene	39.9922 ppb v/v
							m-Xylene & p-Xylene	79.9845 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							n-Nonane	39.9922 ppb v/v
							n-Octane	39.9922 ppb v/v
							N-Propylbenzene	39.9922 ppb v/v
							Naphthalene	39.9922 ppb v/v
							o-Xylene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v
							trans-1,2-Dichloroethene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Undecane	39.9922 ppb v/v
							Vinyl acetate	39.9922 ppb v/v
							Vinyl bromide	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
					ATTO15EthCALw_00147	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00160	10/25/22	10/03/22	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00044	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00044	10/25/22		Linde, Lot CC-237336		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00147	11/03/22	10/03/22	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15LCSW_00845	10/06/22	09/06/22	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00129	773 mL	Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
.ATTO15LCSSTKi_00129	10/25/22	08/22/22	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00045	7500 mL	Tetrachloroethene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

SDG No.: 200-65325

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	200 ppb v/v
..ATTO15CALs_00045	10/25/22		Linde, Lot CC-133603		(Purchased Reagent)		Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
ATTO15LCSw_00847	10/25/22	10/12/22	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00130	773 mL	Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
.ATTO15LCSSTKi_00130	10/25/22	09/29/22	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00045	7500 mL	Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
..ATTO15CALs_00045	10/25/22		Linde, Lot CC-133603		(Purchased Reagent)		Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
ATTO15XISs_00003							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Tentatively Identified Compound	
							Total Alkanes	
							Xylenes, Total	

Reagent

1gEthanol_00005



660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Ethyl alcohol

CATALOG NUMBER N-11885-1G
LOT NUMBER 12173500
DATE CERTIFIED 08/21/19
EXPIRATION DATE 08/30/25
CAS NUMBER 64-17-5
MOLECULAR FORMULA C₂H₆O
MOLECULAR WEIGHT 46.07
STORAGE Store at room temperature (20 - 25 °C).
HANDLING See Safety Data Sheet
INTENDED USE For laboratory use only.

Analytical Test	Value
% PURITY (GC/TCD)	99.5
% PURITY (GC/FID)	100.0
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
PHYSICAL APPEARANCE	COLORLESS LIQUID
% PURITY	99.8
ISO 17034:2016	CERTIFIED REFERENCE MATERIAL

COA Form
Revision 3 (3/2015)

Print Date: 08/19/21





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Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

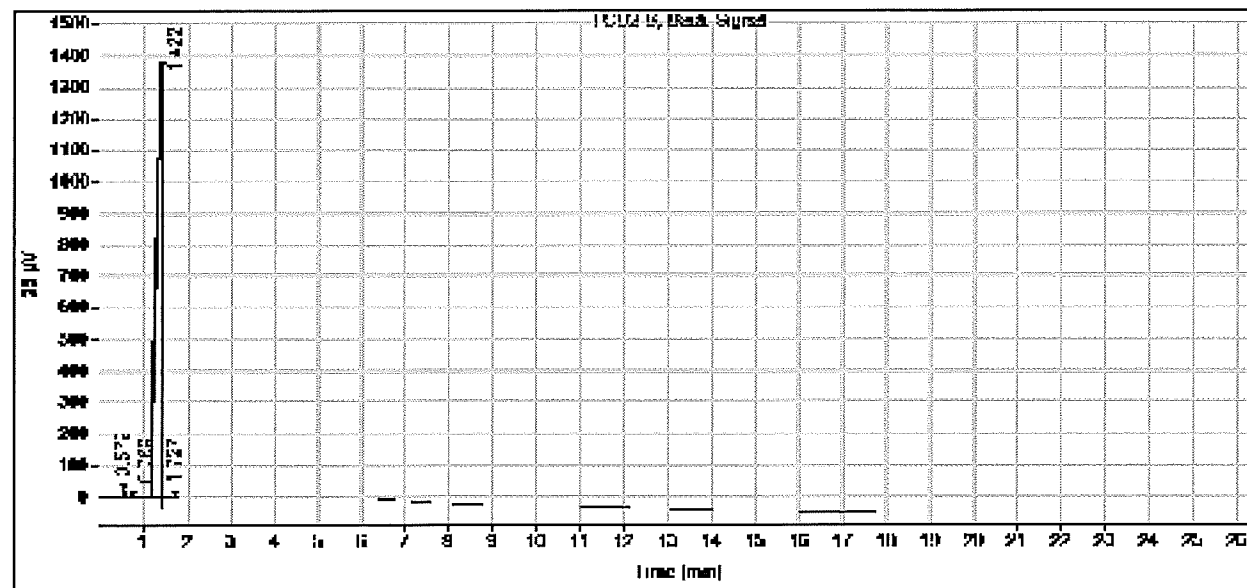
Mary Beth O'Donnell
CSM/TC



CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\0718\SIG2022556.D
 Sample name: N-11885 NEAT TCD
 Instrument: GC 1 Sample type: Sample
 Injection date: 7/31/2019 11:37:41 AM Location: Vial 101
 Acq. method: N-11885 TCD.M Injection volume: 1.0uL
 Column name: DB-624 (30m x 0.53mm x 3.0um)



Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.572	BB	0.0212	35.3817	25.4750	0.3008
0.769	BB	0.0375	16.7108	5.8171	0.1420
1.422	BB	0.1103	11708.3486	1361.3082	99.4587
1.727	BB	0.0260	11.6247	7.1305	0.0987
Sum			11772.0858		

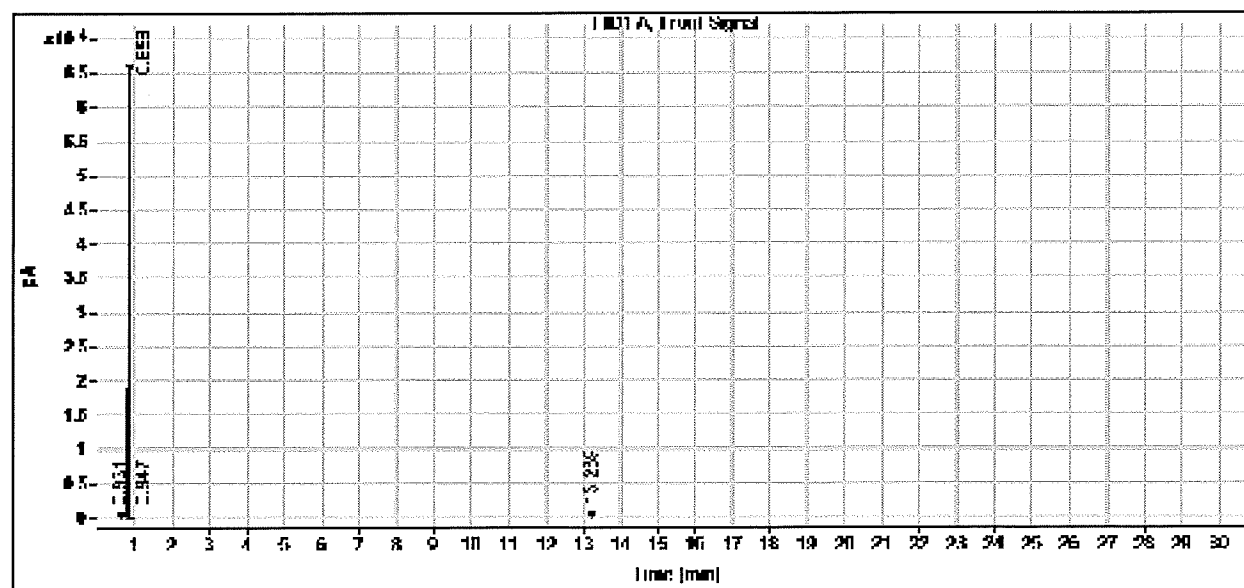


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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\073019\073019B 2019-07-30 18-13-42
1101F0403.D
Sample name: N-11885 neat
Instrument: GC 1 Sample type: Sample
Injection date: 7/31/2019 3:38:30 AM Location: Vial 101
Acq. method: N-11885.M Injection volume: 1.0uL
Column name: DB-624 (30m x 0.53mm x 3.0um)



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.631	BV	0.0075	0.2668	0.5372	0.0002
0.647	VB	0.0112	27.4219	37.8672	0.0185
0.868	BB S	0.0287	148490.7656	65443.6719	99.9813
13.239	BB	0.0025	0.0186	0.1089	0.0000
Sum			148518.4729		



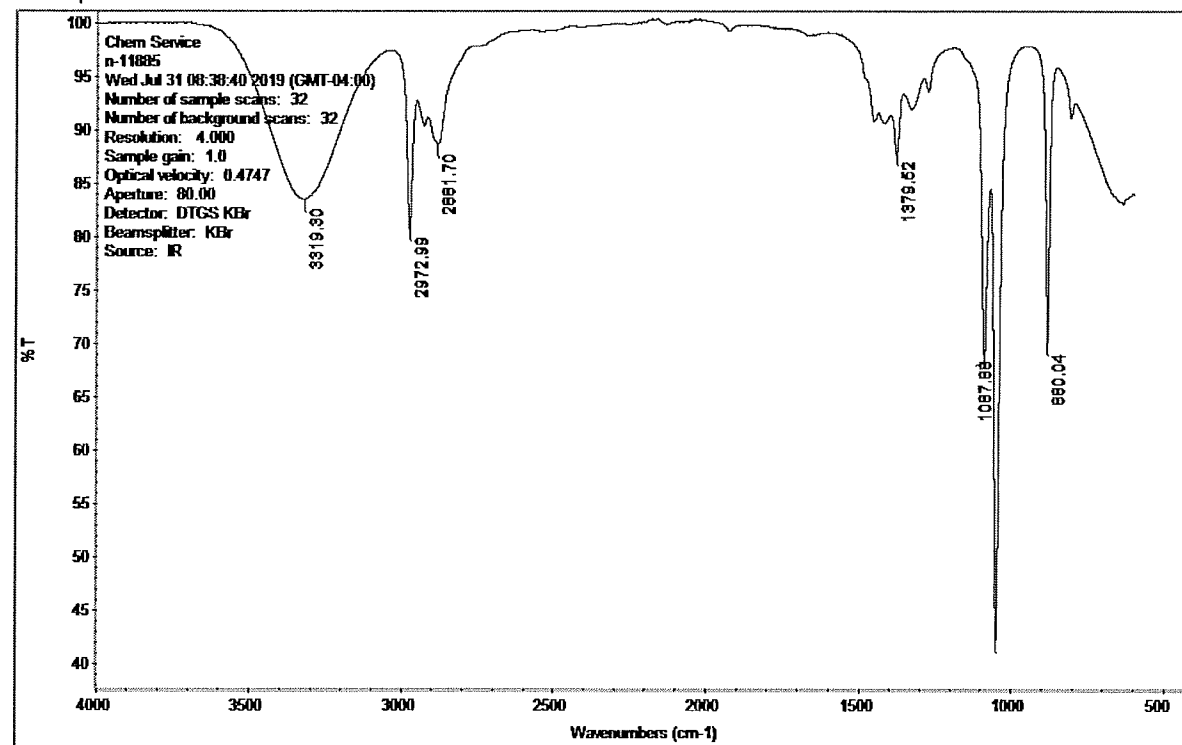


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CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11885-1G
Description: Ethyl alcohol
Lot Number: 12173500
Expiration Date: 08/30/25



Reagent

ATTO15CALs_00044

THE LINDE GROUP

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PAGE: 1 of 4

ANALYSIS REPORT

Sales#:	117425259	Cylinder Size:	152 (8" X 47.5")
Production#:	1545375	Cylinder #:	CC-237336
Report Date:	Oct-25-2021	Cylinder Pressure:	1700 psig
P.O.#:	74005680	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-25-2022	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.03 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.05 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.07 ppm
Freon-114	76-14-2	1.00 ppm	1.04 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.03 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.04 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.86 ppm
n-Butane	106-97-8	1.00 ppm	1.04 ppm
Bromomethane	74-83-9	1.00 ppm	1.03 ppm
Chloroethane	75-00-3	1.00 ppm	1.03 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile	75-05-8	1.00 ppm	0.95 ppm
Acrolein	107-02-8	1.00 ppm	1.01 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	0.99 ppm
Freon-11	75-69-4	1.00 ppm	1.06 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.98 ppm
Acrylonitrile	107-13-1	1.00 ppm	0.98 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.03 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.02 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.02 ppm
Allyl Chloride	107-05-1	1.00 ppm	1.07 ppm
Freon-113	76-13-1	1.00 ppm	1.05 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.03 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

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South Burlington, VT 05403-6834

PAGE: 2 of 4

ANALYSIS REPORT

Sales#: 117425259
Production#: 1545375
Report Date: Oct-25-2021
P.O.# : 74005680
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Oct-25-2022
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-237336
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.05 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.02 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.01 ppm
Hexane	110-54-3	1.00 ppm	1.04 ppm
Chloroform	67-66-3	1.00 ppm	1.01 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.01 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.96 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.03 ppm
Benzene	71-43-2	1.00 ppm	1.03 ppm
1-Butanol	71-36-3	1.00 ppm	0.92 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.03 ppm
Cyclohexane	110-82-7	1.00 ppm	1.05 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.03 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.03 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.05 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	0.97 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	0.97 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.03 ppm
Toluene	108-88-3	1.00 ppm	1.01 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	0.98 ppm
Dibromochloromethane	124-48-1	1.00 ppm	0.97 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.05 ppm

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PAGE: 3 of 4

ANALYSIS REPORT

Sales#: 117425259
Production#: 1545375
Report Date: Oct-25-2021
P.O.# : 74005680
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Oct-25-2022
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-237336
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.05 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.02 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.01 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.00 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.05 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.04 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.03 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	1.02 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.06 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.06 ppm
n-Decane	124-18-5	1.00 ppm	1.02 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.02 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.02 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.02 ppm

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30 Community Dr Ste 11
South Burlington, VT 05403-6834

PAGE: 4 of 4

ANALYSIS REPORT

Sales#:	117425259	Cylinder Size:	152 (8" X 47.5")
Production#:	1545375	Cylinder #:	CC-237336
Report Date:	Oct-25-2021	Cylinder Pressure:	1700 psig
P.O.#:	74005680	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-25-2022	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.03 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene	91-20-3	1.00 ppm	0.95 ppm
n-Dodecane	112-40-3	1.00 ppm	0.93 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	0.92 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.02 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST:

Lou Lorenzetti

DATE: Oct-25-2021



1559896

ID ATTO15CALs_00044

Exp 10/25/22 Prpd VTP

TO15 Calibration Source T

Reagent

ATTO15CALs_00045



ISO 17025 Certificate



Certificate of Analysis



1253600

ID: ATTO15CALs_00033

Exp 01/22/20 Prep WRD Opn 01/13/19

TO15 Calibration Source T

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PAGE: 1 of 6
Report ID: 26909
Revision: 0

Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

Primary Reference Material intended for the calibration of gas analyzers or instrumentation. General instructions for proper use of gas mixtures are found in "ISO 16664: Gas analysis – handling of calibration gases and gas mixtures".

Contents under pressure, store in secure area and do not expose to temperatures greater than 150 °F.

Recommended Operating temperature within 32°F (0°C) and 125°F (52°C).

Recommended minimum sample size 10 mL.

Except where noted, results are reported in mole/mole ppm as determined by Gas Chromatography using qualified reference standards under ANA-50-741-ALP and ANA-50-742-ALP and meets ISO 17025 requirements. Every cylinder is analyzed and represents one unique lot.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor providing a level of confidence of 95% and has been carried out in accordance with ANAB (ANSI-ASQ National Accreditation Board) and ISO 17025 requirements.

This certificate is issued in accordance with the laboratory accreditation requirements of ANAB. It provides traceability of measurement to recognized national standards, and to units of measurement realized by the National Institute of Standards and Technology (NIST).

Linde Spectra Environmental Gases

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Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
Phone: +1.908.329-9700 FAX: +1.908.329-9740
www.lindeus.com



ISO 17025 Certificate



Certificate of Analysis

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PAGE:

2 of 6

Report ID:

26909

Revision:

0

Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>Reported Conc</u>	<u>Uncertainty (k=2.447 @ 95%)</u>
Propylene	115-07-1	1.000 ppm	1.013 ppm	± 0.039 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	1.058 ppm	± 0.033 ppm
Freon-12	75-71-8	1.000 ppm	1.058 ppm	± 0.014 ppm
Chloromethane	74-87-3	1.000 ppm	0.994 ppm	± 0.034 ppm
Freon-114	76-14-2	1.000 ppm	1.059 ppm	± 0.024 ppm
Vinyl Chloride	75-01-4	1.000 ppm	0.999 ppm	± 0.036 ppm
1,3-Butadiene	106-99-0	1.000 ppm	0.970 ppm	± 0.024 ppm
Methanol (No Stability Guarantee)	67-56-1	1.000 ppm	0.941 ppm	± 0.094 ppm
n-Butane	106-97-8	1.000 ppm	1.030 ppm	± 0.014 ppm
Bromomethane	74-83-9	1.000 ppm	1.040 ppm	± 0.041 ppm
Chloroethane	75-00-3	1.000 ppm	1.057 ppm	± 0.031 ppm
Vinyl Bromide	593-60-2	1.000 ppm	1.005 ppm	± 0.018 ppm
Acetonitrile	75-05-8	1.000 ppm	0.972 ppm	± 0.010 ppm
Acrolein	107-02-8	1.000 ppm	0.971 ppm	± 0.094 ppm
Isopentane	78-78-4	1.000 ppm	1.045 ppm	± 0.010 ppm
Acetone	67-64-1	1.000 ppm	1.043 ppm	± 0.010 ppm
Freon-11	75-69-4	1.000 ppm	1.041 ppm	± 0.029 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	1.017 ppm	± 0.010 ppm
Acrylonitrile	107-13-1	1.000 ppm	1.019 ppm	± 0.010 ppm
n-Pentane	109-66-0	1.000 ppm	1.021 ppm	± 0.009 ppm
Ethyl Ether	60-29-7	1.000 ppm	1.023 ppm	± 0.009 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	1.019 ppm	± 0.009 ppm
Carbon Disulfide	75-15-0	1.000 ppm	1.036 ppm	± 0.009 ppm
Methylene Chloride	75-09-2	1.000 ppm	1.025 ppm	± 0.009 ppm
Tert-Butanol	75-65-0	1.000 ppm	1.080 ppm	± 0.011 ppm
3-Chloropropene	107-05-1	1.000 ppm	1.073 ppm	± 0.011 ppm
Freon-113	76-13-1	1.000 ppm	1.068 ppm	± 0.009 ppm

Linde Spectra Environmental Gases

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ISO 17025 Certificate



Certificate of Analysis

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Test America Inc
30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 3 of 6
Report ID: 26909
Revision: 0

Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder #:	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>Reported Conc</u>	<u>Uncertainty (k=2.447 @ 95%)</u>
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	1.033 ppm	± 0.009 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	1.027 ppm	± 0.010 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	1.056 ppm	± 0.010 ppm
Vinyl Acetate	108-05-4	1.000 ppm	1.007 ppm	± 0.010 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	1.036 ppm	± 0.009 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	1.037 ppm	± 0.009 ppm
Hexane	110-54-3	1.000 ppm	1.047 ppm	± 0.009 ppm
Chloroform	67-66-3	1.000 ppm	1.032 ppm	± 0.009 ppm
Ethyl Acetate	141-78-6	1.000 ppm	1.021 ppm	± 0.009 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	0.981 ppm	± 0.009 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	1.046 ppm	± 0.009 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	1.032 ppm	± 0.009 ppm
Benzene	71-43-2	1.000 ppm	1.039 ppm	± 0.010 ppm
1-Butanol	71-36-3	1.000 ppm	0.911 ppm	± 0.028 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	1.005 ppm	± 0.009 ppm
Cyclohexane	110-82-7	1.000 ppm	1.022 ppm	± 0.009 ppm
Dibromomethane	74-95-3	1.000 ppm	1.034 ppm	± 0.009 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	1.035 ppm	± 0.009 ppm
Trichloroethylene	79-01-6	1.000 ppm	1.029 ppm	± 0.009 ppm
Bromodichloromethane	75-27-4	1.000 ppm	1.029 ppm	± 0.009 ppm
1,4-Dioxane	123-91-1	1.000 ppm	1.029 ppm	± 0.009 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	1.014 ppm	± 0.009 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	1.021 ppm	± 0.010 ppm
Heptane	142-82-5	1.000 ppm	1.031 ppm	± 0.009 ppm
Methylcyclohexane	108-87-2	1.000 ppm	1.048 ppm	± 0.009 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	0.994 ppm	± 0.027 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	1.019 ppm	± 0.009 ppm

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PAGE: 4 of 6
Report ID: 26909
Revision: 0

Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>Reported Conc</u>	<u>Uncertainty (k=2.447 @ 95%)</u>
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	0.985 ppm	± 0.028 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	1.049 ppm	± 0.009 ppm
Toluene	108-88-3	1.000 ppm	1.020 ppm	± 0.009 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	1.011 ppm	± 0.009 ppm
Dibromochloromethane	124-48-1	1.000 ppm	1.060 ppm	± 0.009 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	1.066 ppm	± 0.009 ppm
n-Octane	111-65-9	1.000 ppm	1.030 ppm	± 0.009 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	1.047 ppm	± 0.009 ppm
Chlorobenzene	108-90-7	1.000 ppm	1.050 ppm	± 0.009 ppm
Ethylbenzene	100-41-4	1.000 ppm	1.023 ppm	± 0.009 ppm
p-xylene	106-42-3	1.000 ppm	1.027 ppm	± 0.009 ppm
m-xylene	108-38-3	1.000 ppm	1.031 ppm	± 0.009 ppm
Bromoform	75-25-2	1.000 ppm	1.030 ppm	± 0.009 ppm
Styrene	100-42-5	1.000 ppm	1.028 ppm	± 0.009 ppm
o-xylene	95-47-6	1.000 ppm	1.037 ppm	± 0.009 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	1.035 ppm	± 0.009 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	1.064 ppm	± 0.010 ppm
Nonane	111-84-2	1.000 ppm	1.047 ppm	± 0.009 ppm
Cumene	98-82-8	1.000 ppm	1.046 ppm	± 0.009 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	1.043 ppm	± 0.009 ppm
n-Propylbenzene	103-65-1	1.000 ppm	1.036 ppm	± 0.009 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	1.025 ppm	± 0.009 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	1.049 ppm	± 0.009 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.000 ppm	1.016 ppm	± 0.009 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	1.040 ppm	± 0.009 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	1.044 ppm	± 0.009 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	1.017 ppm	± 0.009 ppm

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PAGE:

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Report ID:

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Revision:

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Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>Reported Conc</u>	<u>Uncertainty (k=2.447 @ 95%)</u>
Benzyl Chloride	100-44-7	1.000 ppm	1.016 ppm	± 0.009 ppm
n-Decane	124-18-5	1.000 ppm	1.034 ppm	± 0.009 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	1.040 ppm	± 0.009 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	1.046 ppm	± 0.009 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	1.050 ppm	± 0.009 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	1.076 ppm	± 0.010 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	1.051 ppm	± 0.009 ppm
n-Undecane	1120-21-4	1.000 ppm	1.072 ppm	± 0.010 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	1.098 ppm	± 0.040 ppm
Naphthalene	91-20-3	1.000 ppm	1.050 ppm	± 0.010 ppm
n-Dodecane	112-40-3	1.000 ppm	1.064 ppm	± 0.010 ppm

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PAGE:

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Report ID:

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Revision:

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Sales#:	117033285	Cylinder Size:	152 (8" X 47.5")
Production#:	3168520	Cylinder # :	CC-133603
Certification Date:	Jan-22-2019	Cylinder Pressure:	1900 psig
P.O.#:	3018313-ISO17025	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	14004551	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3800 Liters
Expiration Date:	Jan-22-2020	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>Reported Conc</u>	<u>Uncertainty (k=2.447 @ 95%)</u>
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	1.086 ppm	± 0.010 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	1.085 ppm	± 0.040 ppm
Nitrogen	7727-37-9	Balance	Balance	


ANALYST: Lou Lorenzetti

DATE: Jan-22-2019

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Preliminary Report

Eurofins Burlington
ICV, ICAL Verification Report*Comparison of*
CC-133603 to
CC-237336

Data File: \\chromfs\Burlington\ChromData\CHX.i\20211101-48239.b\48239-15.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 02-Nov-2021 02:12:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0048239-015
 Operator ID: ggg Instrument ID: CHX.i
 Sublist:

Method: \\chromfs\Burlington\ChromData\CHX.i\20211101-48239.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 02-Nov-2021 06:46:50 Calib Date: 01-Nov-2021 23:34:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Burlington\ChromData\CHX.i\20211101-48239.b\48239-12.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: bunmaa Date: 02-Nov-2021 15:10:46

Start Cal Date: 01-Nov-2021 15:40:30

End Cal Date: 01-Nov-2021 23:34:30

Compound	Amount Added	Amount Detected	%Drift	Max. %Drift	%Rec	%Rec Limits
1 Propene	10.1	10.2	0.5	30.0	100.5	
3 Dichlorodifluorome	10.6	10.8	1.7	30.0	101.7	
4 Chlorodifluorometh	10.6	10.4	-1.3	30.0	98.7	
5 1,2-Dichloro-1,1,2	10.6	10.3	-2.6	30.0	97.4	
6 Chloromethane	9.94	10.9	9.9	30.0	109.9	
7 Vinyl chloride	9.99	10.8	8.6	30.0	108.6	
8 Butane	10.3	10.4	1.3	30.0	101.3	
9 Butadiene	9.70	9.25	-4.6	30.0	95.4	
10 Bromomethane	10.4	10.3	-0.5	30.0	99.5	
12 Chloroethane	10.6	10.9	2.8	30.0	102.8	
13 2-Methylbutane	10.4	10.4	-0.8	30.0	99.2	
14 Vinyl bromide	10.0	10.4	3.1	30.0	103.1	
15 Trichlorofluoromet	10.4	10.5	0.6	30.0	100.6	
16 Pentane	10.2	10.8	5.9	30.0	105.9	
17 Ethanol	14.7	13.7	-6.5	30.0	93.5	
18 Ethyl ether	10.2	10.1	-1.0	30.0	99.0	
19 Acrolein	9.71	7.71	-20.6	30.0	79.4	
20 1,1-Dichloroethene	10.2	9.71	-4.7	30.0	95.3	
21 1,1,2-Trichloro-1,	10.7	11.4	7.2	30.0	107.2	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20211101-48239.b\48239-15.D

Compound	Amount Added	Amount Detected	%Drift	Max. %Drift	%Rec	%Rec Limits
22 Acetone	10.4	10.7	2.6	30.0	102.6	
23 Isopropyl alcohol	10.2	9.65	-5.1	30.0	94.9	
24 Carbon disulfide	10.4	11.2	8.1	30.0	108.1	
25 Acetonitrile	9.72	10.9	12.4	30.0	112.4	
27 3-Chloro-1-propene	10.7	13.9	29.8	30.0	129.8	
28 Methylene Chloride	10.2	11.0	7.7	30.0	107.7	
29 2-Methyl-2-propano	10.8	11.2	3.9	30.0	103.9	
30 Acrylonitrile	10.2	10.4	1.6	30.0	101.6	
31 Methyl tert-butyl	10.6	10.5	-0.3	30.0	99.7	
32 trans-1,2-Dichloro	10.3	10.1	-2.5	30.0	97.5	
34 Hexane	10.5	10.8	3.1	30.0	103.1	
35 Vinyl acetate	10.1	8.48	-15.7	30.0	84.3	
36 1,1-Dichloroethane	10.3	9.90	-3.6	30.0	96.4	
37 2-Butanone (MEK)	10.4	9.84	-5.0	30.0	95.0	
38 cis-1,2-Dichloroet	10.4	9.95	-4.1	30.0	95.9	
39 Ethyl acetate	10.2	10.9	6.4	30.0	106.4	
41 Tetrahydrofuran	9.81	10.1	2.7	30.0	102.7	
42 Chloroform	10.3	10.5	2.1	30.0	102.1	
43 1,1,1-Trichloroeth	10.3	10.4	1.0	30.0	101.0	
44 Cyclohexane	10.2	10.3	0.5	30.0	100.5	
45 Carbon tetrachlori	10.0	10.6	5.5	30.0	105.5	
46 Benzene	10.4	10.6	1.8	30.0	101.8	
47 1,2-Dichloroethane	10.5	10.6	0.9	30.0	100.9	
48 Isooctane	10.1	10.5	3.8	30.0	103.8	
49 n-Heptane	10.3	10.4	1.0	30.0	101.0	
51 n-Butanol	9.11	7.37	-19.1	30.0	80.9	
52 Trichloroethene	10.3	10.3	-0.2	30.0	99.8	
55 1,2-Dichloropropan	10.3	10.6	2.0	30.0	102.0	
56 Methyl methacrylat	10.2	10.4	2.1	30.0	102.1	
57 1,4-Dioxane	10.3	10.1	-1.5	30.0	98.5	
58 Dibromomethane	10.3	11.0	6.4	30.0	106.4	
59 Dichlorobromometha	10.3	10.7	4.4	30.0	104.4	
60 cis-1,3-Dichloropr	9.94	10.2	3.0	30.0	103.0	
62 4-Methyl-2-pentano	10.2	10.1	-0.5	30.0	99.5	
63 Toluene	10.2	10.7	4.9	30.0	104.9	
66 n-Octane	10.3	10.3	0.1	30.0	100.1	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20211101-48239.b\48239-15.D

Compound	Amount Added	Amount Detected	%Drift	Max. %Drift	%Rec	%Rec Limits
67 trans-1,3-Dichloro	9.85	10.5	6.8	30.0	106.8	
68 1,1,2-Trichloroeth	10.5	10.9	3.8	30.0	103.8	
69 Tetrachloroethene	10.5	11.1	5.6	30.0	105.6	
70 2-Hexanone	10.1	10.1	-0.4	30.0	99.6	
71 Chlorodibromometha	10.6	10.8	1.8	30.0	101.8	
72 Ethylene Dibromide	10.7	11.5	7.6	30.0	107.6	
74 Chlorobenzene	10.5	11.3	8.0	30.0	108.0	
75 Ethylbenzene	10.2	10.9	6.1	30.0	106.1	
76 m-Xylene & p-Xylen	20.0	22.5	12.7	30.0	112.7	
77 n-Nonane	10.5	10.9	4.4	30.0	104.4	
79 o-Xylene	10.4	11.1	7.1	30.0	107.1	
80 Styrene	10.3	11.8	14.3	30.0	114.3	
81 Bromoform	10.3	12.6	21.9	30.0	121.9	
82 Isopropylbenzene	10.5	11.2	7.0	30.0	107.0	
83 1,1,2,2-Tetrachlor	10.3	10.9	5.6	30.0	105.6	
84 1,2,3-Trichloropro	10.6	11.5	8.1	30.0	108.1	
85 N-Propylbenzene	10.4	11.3	8.9	30.0	108.9	
86 2-Chlorotoluene	10.4	11.3	8.0	30.0	108.0	
87 4-Ethyltoluene	10.2	11.3	9.9	30.0	109.9	
88 1,3,5-Trimethylben	10.5	11.3	7.8	30.0	107.8	
89 n-Decane	10.3	11.9	14.9	30.0	114.9	
90 Alpha Methyl Styre	10.2	11.5	13.1	30.0	113.1	
91 tert-Butylbenzene	10.4	11.3	8.2	30.0	108.2	
92 1,2,4-Trimethylben	10.4	11.5	10.2	30.0	110.2	
93 sec-Butylbenzene	10.5	11.5	9.7	30.0	109.7	
94 1,3-Dichlorobenzen	10.2	12.5	22.4	30.0	122.4	
95 4-Isopropyltoluene	10.5	11.6	10.5	30.0	110.5	
96 1,4-Dichlorobenzen	10.4	12.4	19.1	30.0	119.1	
97 Benzyl chloride	10.2	11.9	17.2	30.0	117.2	
98 n-Butylbenzene	10.5	11.5	9.2	30.0	109.2	
99 1,2-Dichlorobenzen	10.8	12.0	11.4	30.0	111.4	
100 Undecane	10.7	12.8	19.6	30.0	119.6	
101 Dodecane	10.6	12.4	16.7	30.0	116.7	
102 1,2,4-Trichloroben	11.0	12.4	13.0	30.0	113.0	
103 Hexachlorobutadien	10.8	11.3	3.9	30.0	103.9	
104 Naphthalene	10.5	11.3	7.3	30.0	107.3	

Preliminary Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20211101-48239.b\48239-15.D

Compound	Amount Added	Amount Detected	%Drift	Max. %Drift	%Rec	%Rec Limits
105 1,2,3-Trichloroben	10.9	11.2	3.1	30.0	103.1	

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1559896

ID ATTO15CALs_00044

Exp 10/25/22 Prod VTP

TO15 Calibration Source 1

ANALYSIS REPORT

Sales#:	117425259	Cylinder Size:	152 (8" X 47.5")
Production#:	1545375	Cylinder # :	CC-237336
Report Date:	Oct-25-2021	Cylinder Pressure:	1700 psig
P.O.# :	74005680	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-25-2022	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.03 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.05 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.07 ppm
Freon-114	76-14-2	1.00 ppm	1.04 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.03 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.04 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.86 ppm
n-Butane	106-97-8	1.00 ppm	1.04 ppm
Bromomethane	74-83-9	1.00 ppm	1.03 ppm
Chloroethane	75-00-3	1.00 ppm	1.03 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile	75-05-8	1.00 ppm	0.95 ppm
Acrolein	107-02-8	1.00 ppm	1.01 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	0.99 ppm
Freon-11	75-69-4	1.00 ppm	1.06 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.98 ppm
Acrylonitrile	107-13-1	1.00 ppm	0.98 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.03 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.02 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.02 ppm
Allyl Chloride	107-05-1	1.00 ppm	1.07 ppm
Freon-113	76-13-1	1.00 ppm	1.05 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.03 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

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ANALYSIS REPORT

Sales#:	117425259	Cylinder Size:	152 (8" X 47.5")
Production#:	1545375	Cylinder # :	CC-237336
Report Date:	Oct-25-2021	Cylinder Pressure:	1700 psig
P.O.# :	74005680	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-25-2022	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.05 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.02 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.01 ppm
Hexane	110-54-3	1.00 ppm	1.04 ppm
Chloroform	67-66-3	1.00 ppm	1.01 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.01 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.96 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.03 ppm
Benzene	71-43-2	1.00 ppm	1.03 ppm
1-Butanol	71-36-3	1.00 ppm	0.92 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.03 ppm
Cyclohexane	110-82-7	1.00 ppm	1.05 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.03 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.03 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.05 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	0.97 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	0.97 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.03 ppm
Toluene	108-88-3	1.00 ppm	1.01 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	0.98 ppm
Dibromochloromethane	124-48-1	1.00 ppm	0.97 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.05 ppm

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ANALYSIS REPORT

Sales#:	117425259	Cylinder Size:	152 (8" X 47.5")
Production#:	1545375	Cylinder # :	CC-237336
Report Date:	Oct-25-2021	Cylinder Pressure:	1700 psig
P.O.# :	74005680	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-25-2022	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.05 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.02 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.01 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.00 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.05 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.04 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.03 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	1.02 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.06 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.06 ppm
n-Decane	124-18-5	1.00 ppm	1.02 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.02 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.02 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.02 ppm

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ANALYSIS REPORT

Sales#:	117425259	Cylinder Size:	152 (8" X 47.5")
Production#:	1545375	Cylinder #:	CC-237336
Report Date:	Oct-25-2021	Cylinder Pressure:	1700 psig
P.O.#:	74005680	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-25-2022	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.03 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene	91-20-3	1.00 ppm	0.95 ppm
n-Dodecane	112-40-3	1.00 ppm	0.93 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	0.92 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.02 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: 

Lou Lorenzetti

DATE: Oct-25-2021

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Matrix: Air Level: Low Lab File ID: 52891-03.D
Lab ID: LCS 200-184744/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Trichloroethene	10.0	10.1	101	73-122	
Tetrachloroethene	10.0	10.3	103	70-125	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Matrix: Air Level: Low Lab File ID: 52909-03.D
Lab ID: LCS 200-184789/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Trichloroethene	10.0	10.3	103	73-122	
Tetrachloroethene	10.0	10.5	105	70-125	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Lab File ID: 52891-04.D Lab Sample ID: MB 200-184744/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 10/17/2022 09:12
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-184744/3	52891-03.D	10/17/2022 08:20
LL2 NORTH GYM-10-11-22	200-65325-1	52891-08.D	10/17/2022 12:42
LL2 SOUTH GYM-10-11-22	200-65325-2	52891-09.D	10/17/2022 13:35
LL2 HALLWAY-10-11-22	200-65325-3	52891-10.D	10/17/2022 14:27
DRIVEWAY-10-11-22	200-65325-5	52891-12.D	10/17/2022 16:12

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Lab File ID: 52909-04.D Lab Sample ID: MB 200-184789/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 10/18/2022 12:10
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-184789/3	52909-03.D	10/18/2022 11:17
LL2 PUMP ROOM-10-11-22	200-65325-4	52909-13.D	10/18/2022 20:04

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Lab File ID: _____ BFB Injection Date: _____
 Instrument ID: _____ BFB Injection Time: _____
 Lab File ID: _____ DFTPP Injection Date: _____
 Instrument ID: _____ DFTPP Injection Time: _____
 Analysis Batch No.: _____

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

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 200-184744/2	52891-02.D	10/17/2022	7:27
	LCS 200-184744/3	52891-03.D	10/17/2022	8:20
	MB 200-184744/4	52891-04.D	10/17/2022	9:12
LL2 NORTH GYM-10-11-22	200-65325-1	52891-08.D	10/17/2022	12:42
LL2 SOUTH GYM-10-11-22	200-65325-2	52891-09.D	10/17/2022	13:35
LL2 HALLWAY-10-11-22	200-65325-3	52891-10.D	10/17/2022	14:27
DRIVEWAY-10-11-22	200-65325-5	52891-12.D	10/17/2022	16:12

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Lab File ID: 52704-01.D BFB Injection Date: 10/04/2022
Instrument ID: CHX.i BFB Injection Time: 15:20
Analysis Batch No.: 184287

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.2
75	30.0 - 66.0% of mass 95	52.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	83.6
175	4.0 - 9.0 % of mass 174	5.9 (7.1) 1
176	93.0 - 101.0% of mass 174	81.2 (97.0) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 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 200-184287/4	52704-04.D	10/04/2022	17:51
	IC 200-184287/5	52704-05.D	10/04/2022	18:43
	IC 200-184287/6	52704-06.D	10/04/2022	19:36
	IC 200-184287/7	52704-07.D	10/04/2022	20:28
	ICIS 200-184287/8	52704-08.D	10/04/2022	21:21
	IC 200-184287/9	52704-09.D	10/04/2022	22:13
	IC 200-184287/12	52704-12.D	10/05/2022	0:50
	IC 200-184287/13	52704-13.D	10/05/2022	1:42
	ICV 200-184287/17	52704-17.D	10/05/2022	5:13

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Lab File ID: 52909-01.D BFB Injection Date: 10/18/2022
Instrument ID: CHX.i BFB Injection Time: 09:32
Analysis Batch No.: 184789

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.4
75	30.0 - 66.0% of mass 95	53.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	83.9
175	4.0 - 9.0 % of mass 174	5.8 (6.9) 1
176	93.0 - 101.0% of mass 174	81.9 (97.6) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 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 200-184789/2	52909-02.D	10/18/2022	10:25
	LCS 200-184789/3	52909-03.D	10/18/2022	11:17
	MB 200-184789/4	52909-04.D	10/18/2022	12:10
LL2 PUMP ROOM-10-11-22	200-65325-4	52909-13.D	10/18/2022	20:04

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Sample No.: ICIS 200-184287/8 Date Analyzed: 10/04/2022 21:21
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 52704-08.D Heated Purge: (Y/N) N
 Calibration ID: 49067

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	348584	11.46	1756760	13.30	1606191	18.76
UPPER LIMIT	488018	11.79	2459464	13.63	2248667	19.09
LOWER LIMIT	209150	11.13	1054056	12.97	963715	18.43
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-184287/17		371221	11.46	1878838	13.30	1712070 18.76

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Sample No.: CCVIS 200-184744/2 Date Analyzed: 10/17/2022 07:27
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 52891-02.D Heated Purge: (Y/N) N
 Calibration ID: 49067

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		302406	11.46	1495645	13.29	1322343	18.76
UPPER LIMIT		423368	11.79	2093903	13.62	1851280	19.09
LOWER LIMIT		181444	11.13	897387	12.96	793406	18.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-184744/3		293383	11.46	1461424	13.30	1346324	18.76
MB 200-184744/4		258623	11.46	1312374	13.29	1195308	18.76
200-65325-1	LL2 NORTH GYM-10-11-22	197923	11.46	985264	13.29	925160	18.76
200-65325-2	LL2 SOUTH GYM-10-11-22	205984	11.46	1029078	13.29	940064	18.76
200-65325-3	LL2 HALLWAY-10-11-22	191362	11.46	957630	13.30	893311	18.76
200-65325-5	DRIVEWAY-10-11-22	191096	11.46	936606	13.29	828363	18.76

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Sample No.: CCVIS 200-184789/2 Date Analyzed: 10/18/2022 10:25
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 52909-02.D Heated Purge: (Y/N) N
 Calibration ID: 49067

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	187480	11.46	909945	13.29	846458	18.76
UPPER LIMIT	262472	11.79	1273923	13.62	1185041	19.09
LOWER LIMIT	112488	11.13	545967	12.96	507875	18.43
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 200-184789/3		207504	11.46	1007295	13.29	963995 18.76
MB 200-184789/4		167656	11.46	855023	13.30	818092 18.76
200-65325-4	LL2 PUMP ROOM-10-11-22	178012	11.46	894468	13.29	852669 18.75

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: LL2 NORTH GYM-10-11-22 Lab Sample ID: 200-65325-1
Matrix: Air Lab File ID: 52891-08.D
Analysis Method: TO-15 Date Collected: 10/11/2022 17:22
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 12:42
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
127-18-4	Tetrachloroethene	165.83	0.058	J	0.20	0.021

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: LL2 NORTH GYM-10-11-22 Lab Sample ID: 200-65325-1
Matrix: Air Lab File ID: 52891-08.D
Analysis Method: TO-15 Date Collected: 10/11/2022 17:22
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 12:42
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
127-18-4	Tetrachloroethene	165.83	0.39	J	1.4	0.14

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-08.D
 Lims ID: 200-65325-A-1
 Client ID: LL2 NORTH GYM-10-11-22
 Sample Type: Client
 Inject. Date: 17-Oct-2022 12:42:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052891-008
 Misc. Info.: 65325-1
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 18-Oct-2022 09:20:07 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: puangmaleek

Date: 18-Oct-2022 09:20:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.458	11.458	0.000	75	197923	10.0	
* 50 1,4-Difluorobenzene	114	13.293	13.293	0.000	94	985264	10.0	
52 Trichloroethene	95	13.737	13.732	0.005	90	882	0.0180	
69 Tetrachloroethene	166	17.081	17.076	0.006	93	4452	0.0579	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	925160	10.0	

QC Flag Legend

Processing Flags

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-08.D

Injection Date: 17-Oct-2022 12:42:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: 200-65325-A-1

Lab Sample ID: 200-65325-1

Worklist Smp#: 8

Client ID: LL2 NORTH GYM-10-11-22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

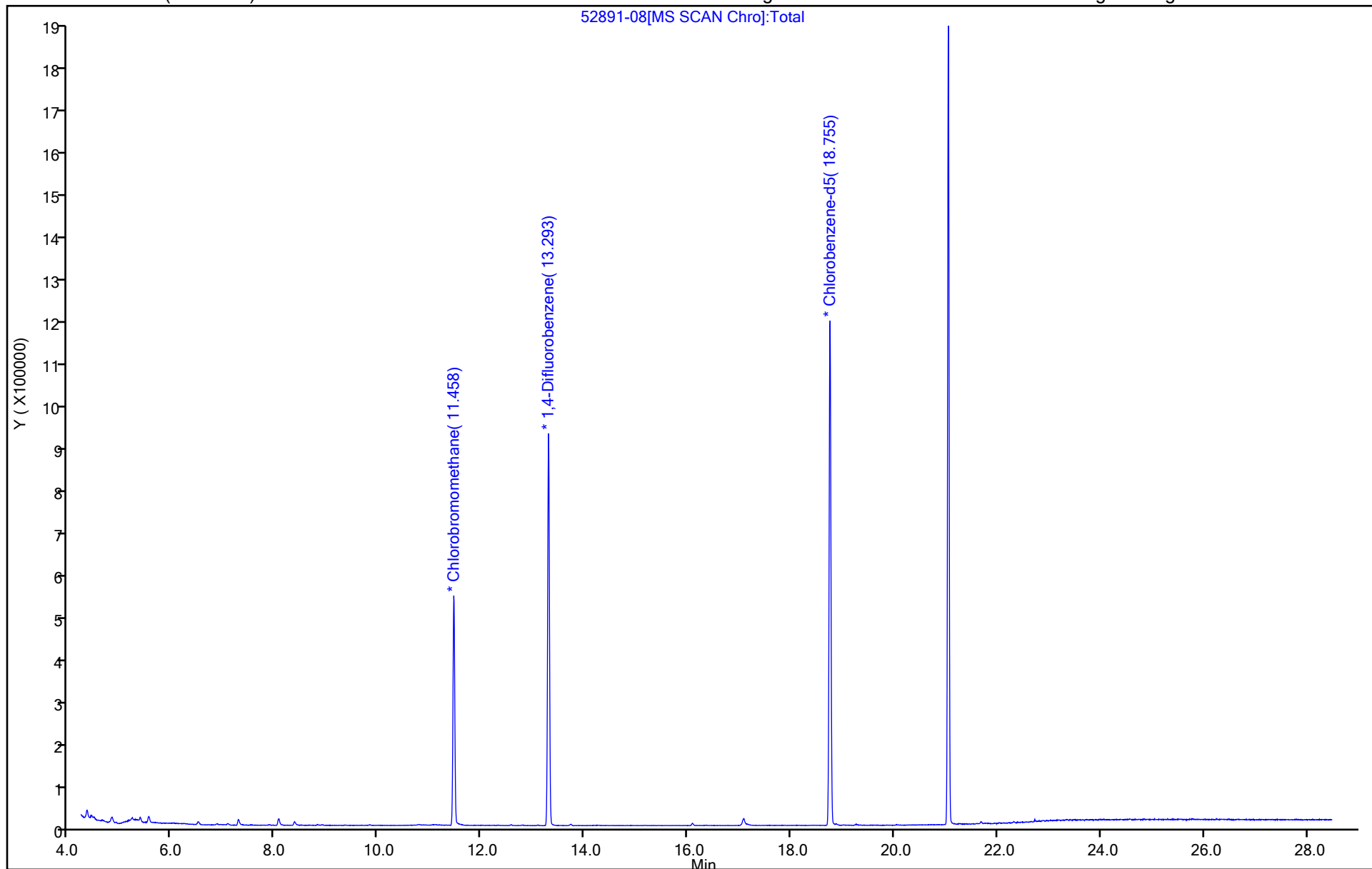
ALS Bottle#: 7

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

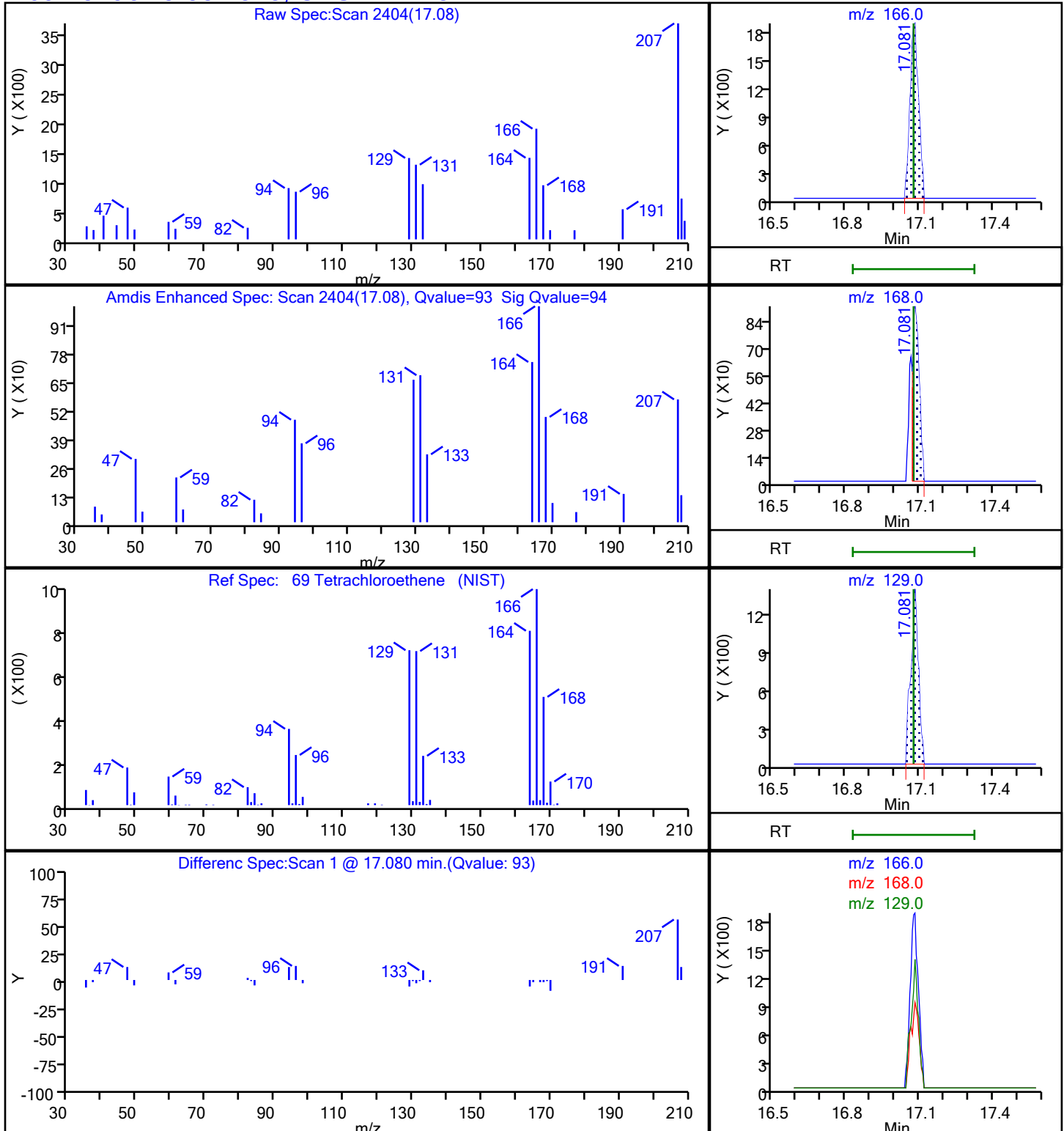
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-08.D
Injection Date: 17-Oct-2022 12:42:30 Instrument ID: CHX.i
Lims ID: 200-65325-A-1 Lab Sample ID: 200-65325-1
Client ID: LL2 NORTH GYM-10-11-22
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

69 Tetrachloroethene, CAS: 127-18-4

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: LL2 SOUTH GYM-10-11-22 Lab Sample ID: 200-65325-2
Matrix: Air Lab File ID: 52891-09.D
Analysis Method: TO-15 Date Collected: 10/11/2022 17:25
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 13:35
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
127-18-4	Tetrachloroethene	165.83	0.058	J	0.20	0.021

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: LL2 SOUTH GYM-10-11-22 Lab Sample ID: 200-65325-2
Matrix: Air Lab File ID: 52891-09.D
Analysis Method: TO-15 Date Collected: 10/11/2022 17:25
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 13:35
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
127-18-4	Tetrachloroethene	165.83	0.39	J	1.4	0.14

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-09.D
 Lims ID: 200-65325-A-2
 Client ID: LL2 SOUTH GYM-10-11-22
 Sample Type: Client
 Inject. Date: 17-Oct-2022 13:35:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052891-009
 Misc. Info.: 65325-2
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 18-Oct-2022 09:20:56 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: puangmaleek

Date: 18-Oct-2022 09:20:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.458	11.458	0.000	75	205984	10.0	
* 50 1,4-Difluorobenzene	114	13.293	13.293	0.000	94	1029078	10.0	
52 Trichloroethene	95	13.732	13.732	0.000	80	907	0.0177	M
69 Tetrachloroethene	166	17.081	17.076	0.006	93	4509	0.0577	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	940064	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-09.D

Injection Date: 17-Oct-2022 13:35:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: 200-65325-A-2

Lab Sample ID: 200-65325-2

Worklist Smp#: 9

Client ID: LL2 SOUTH GYM-10-11-22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

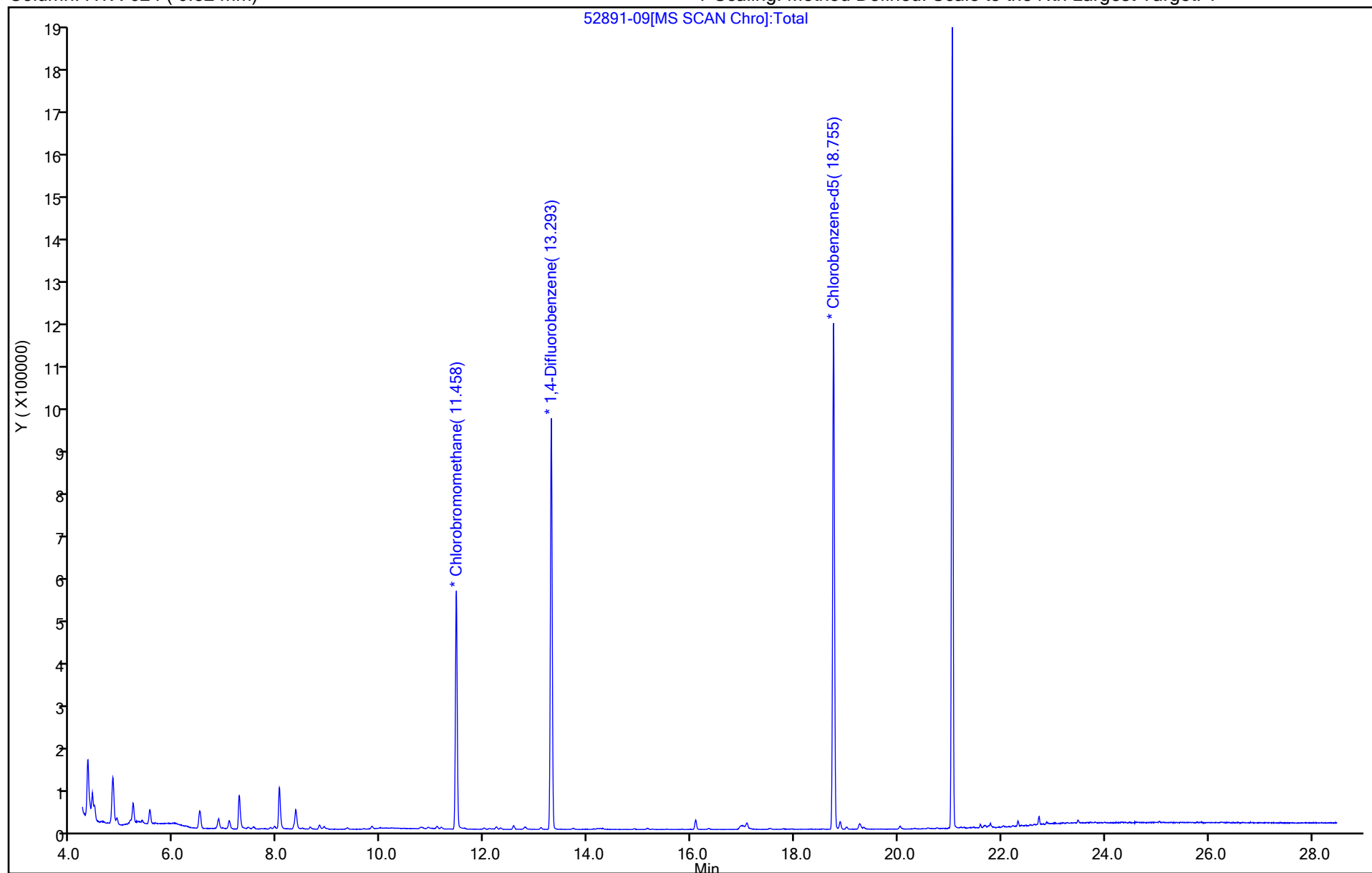
ALS Bottle#: 8

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-09.D

Injection Date: 17-Oct-2022 13:35:30

Instrument ID: CHX.i

Lims ID: 200-65325-A-2

Lab Sample ID: 200-65325-2

Client ID: LL2 SOUTH GYM-10-11-22

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

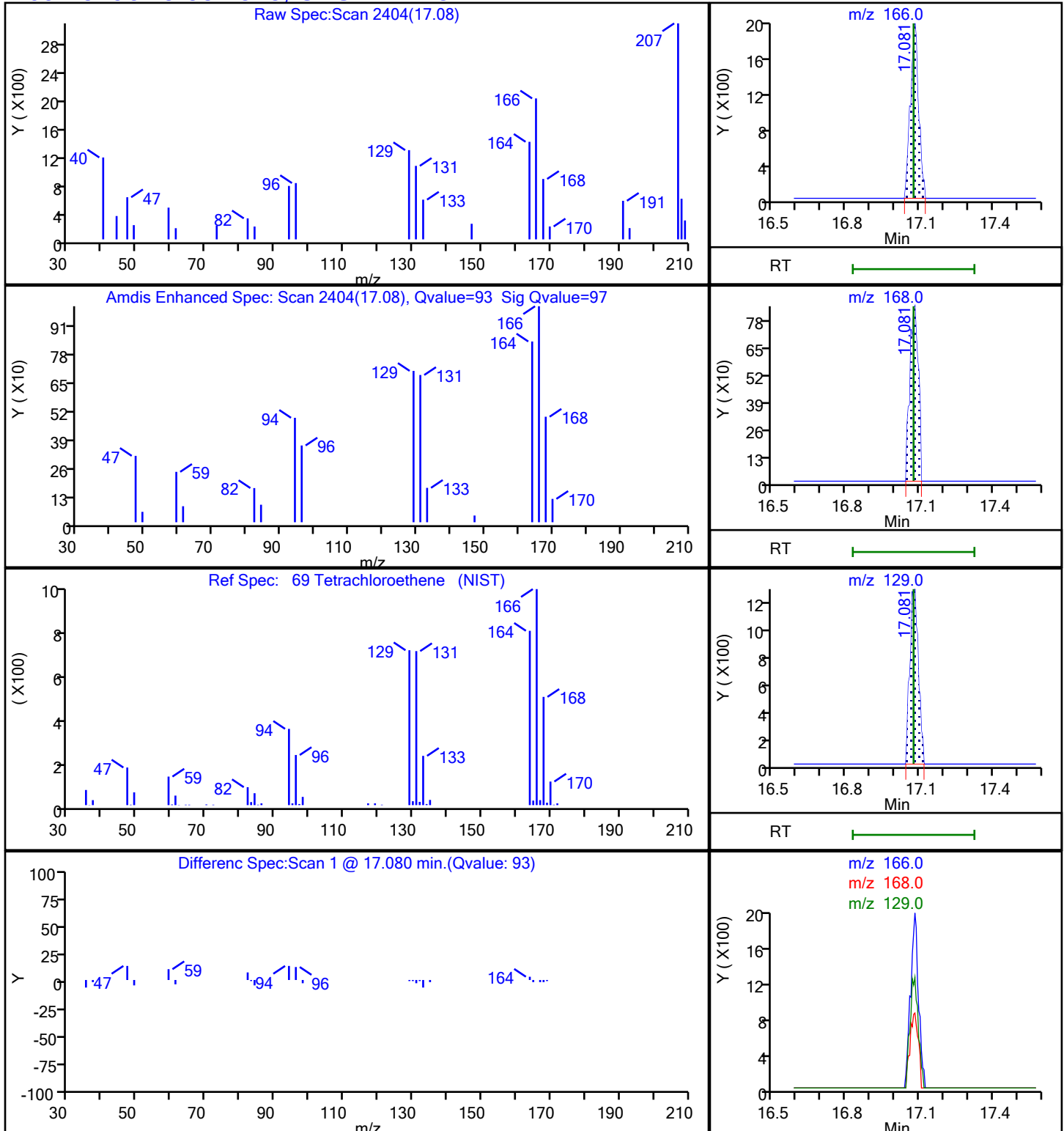
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

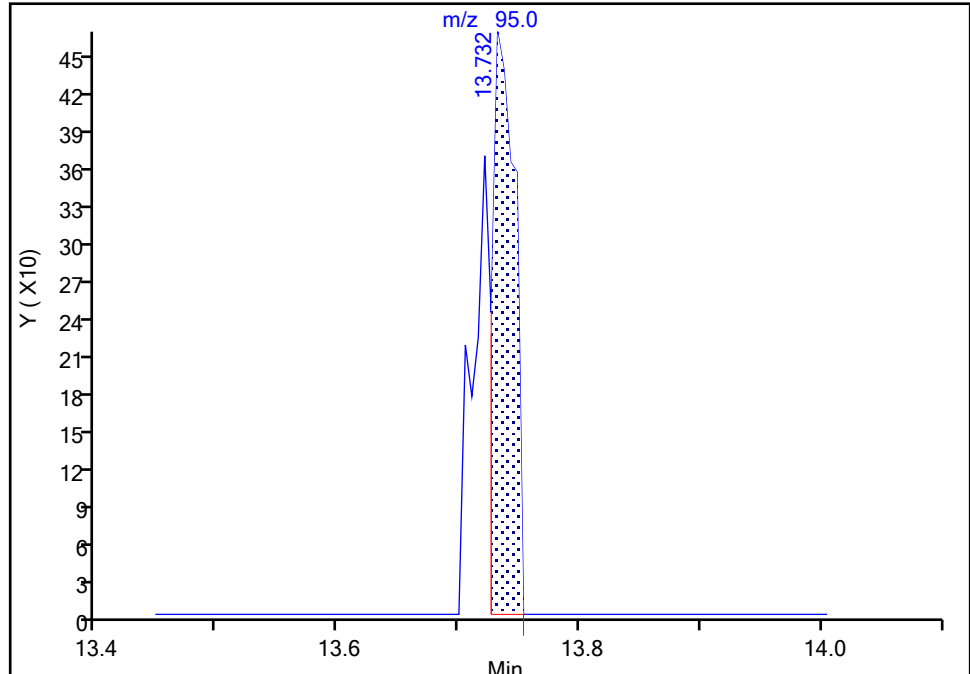
Data File:	\\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-09.D		
Injection Date:	17-Oct-2022 13:35:30	Instrument ID:	CHX.i
Lims ID:	200-65325-A-2	Lab Sample ID:	200-65325-2
Client ID:	LL2 SOUTH GYM-10-11-22		
Operator ID:	vtp	ALS Bottle#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	9

52 Trichloroethene, CAS: 79-01-6

Signal: 1

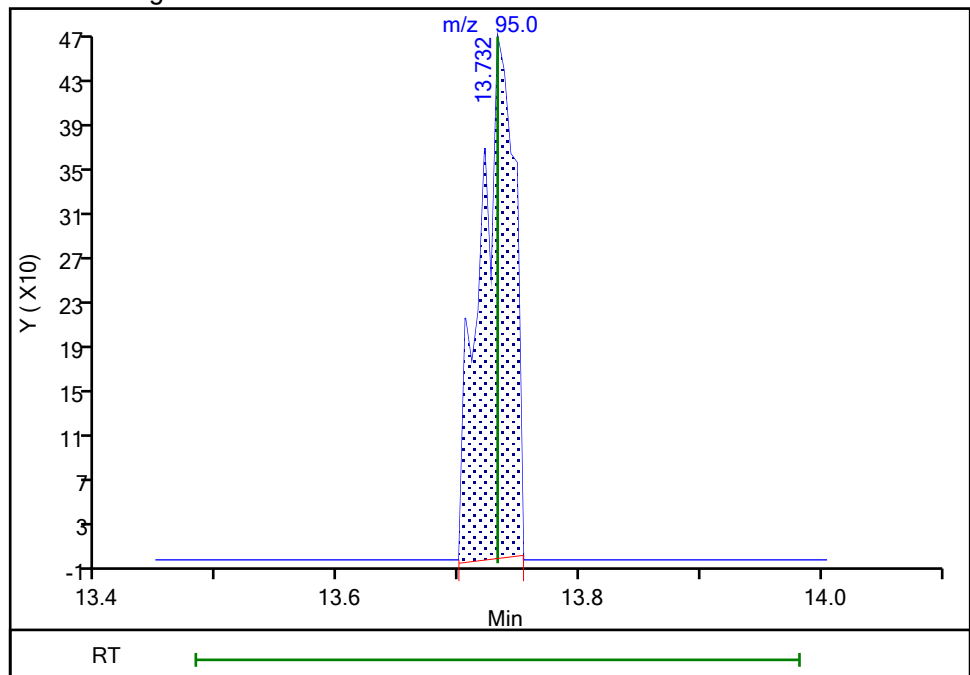
RT: 13.73
Area: 595
Amount: 0.011594
Amount Units: ppb v/v

Processing Integration Results



RT: 13.73
Area: 907
Amount: 0.017673
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 18-Oct-2022 09:20:53

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: LL2 HALLWAY-10-11-22 Lab Sample ID: 200-65325-3
Matrix: Air Lab File ID: 52891-10.D
Analysis Method: TO-15 Date Collected: 10/11/2022 15:45
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 14:27
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.10		0.037	0.025
127-18-4	Tetrachloroethene	165.83	0.49		0.20	0.021

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: LL2 HALLWAY-10-11-22 Lab Sample ID: 200-65325-3
Matrix: Air Lab File ID: 52891-10.D
Analysis Method: TO-15 Date Collected: 10/11/2022 15:45
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 14:27
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.55		0.20	0.13
127-18-4	Tetrachloroethene	165.83	3.3		1.4	0.14

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-10.D
 Lims ID: 200-65325-A-3
 Client ID: LL2 HALLWAY-10-11-22
 Sample Type: Client
 Inject. Date: 17-Oct-2022 14:27:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052891-010
 Misc. Info.: 65325-3
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 18-Oct-2022 09:20:56 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: puangmaleek

Date: 18-Oct-2022 09:21:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.458	11.458	0.000	77	191362	10.0	
* 50 1,4-Difluorobenzene	114	13.299	13.293	0.006	94	957630	10.0	
52 Trichloroethene	95	13.732	13.732	0.000	96	4917	0.1030	
69 Tetrachloroethene	166	17.081	17.076	0.006	94	36291	0.4889	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	893311	10.0	

QC Flag Legend

Processing Flags

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-10.D

Injection Date: 17-Oct-2022 14:27:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: 200-65325-A-3

Lab Sample ID: 200-65325-3

Worklist Smp#: 10

Client ID: LL2 HALLWAY-10-11-22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

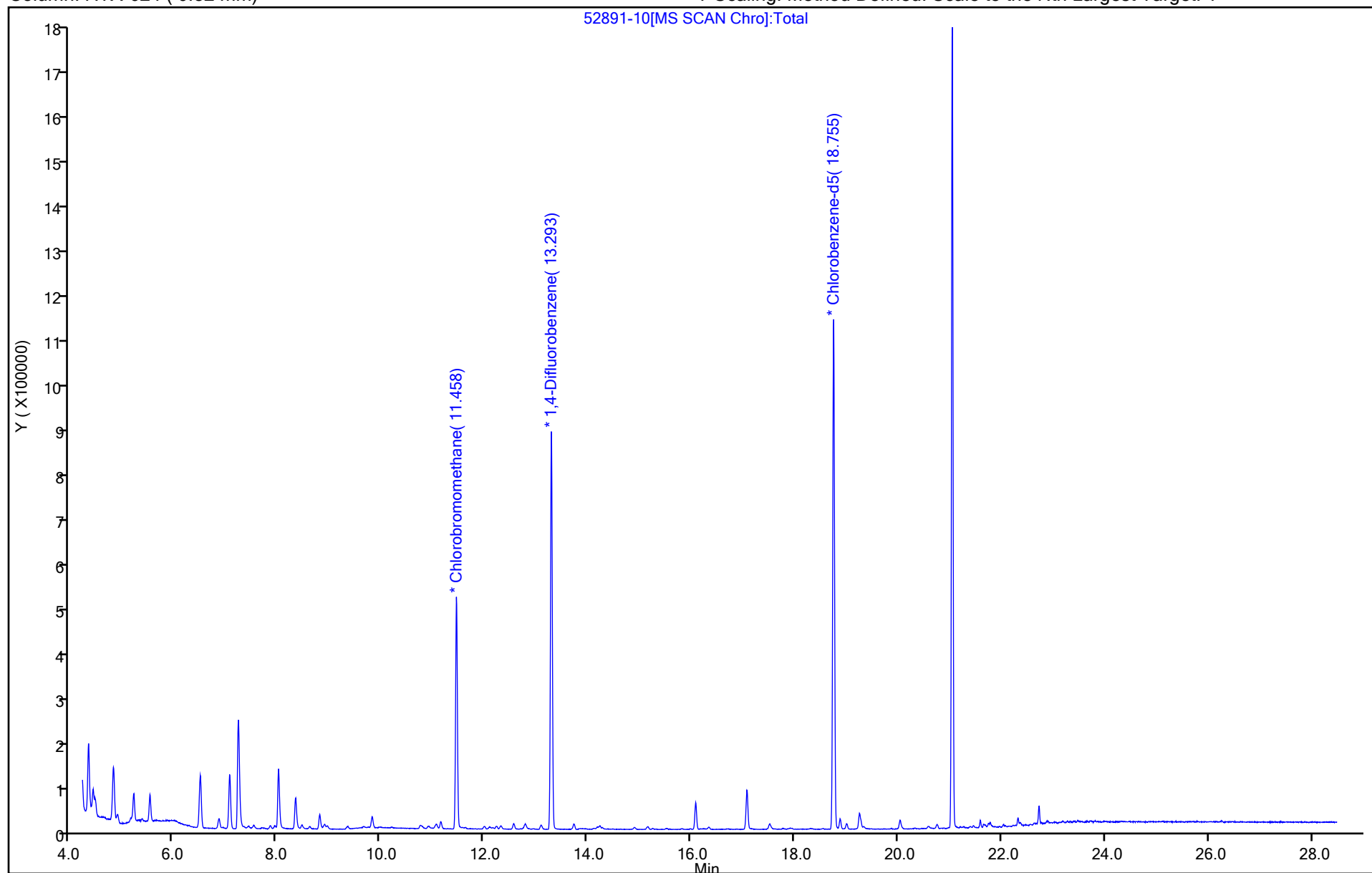
ALS Bottle#: 9

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

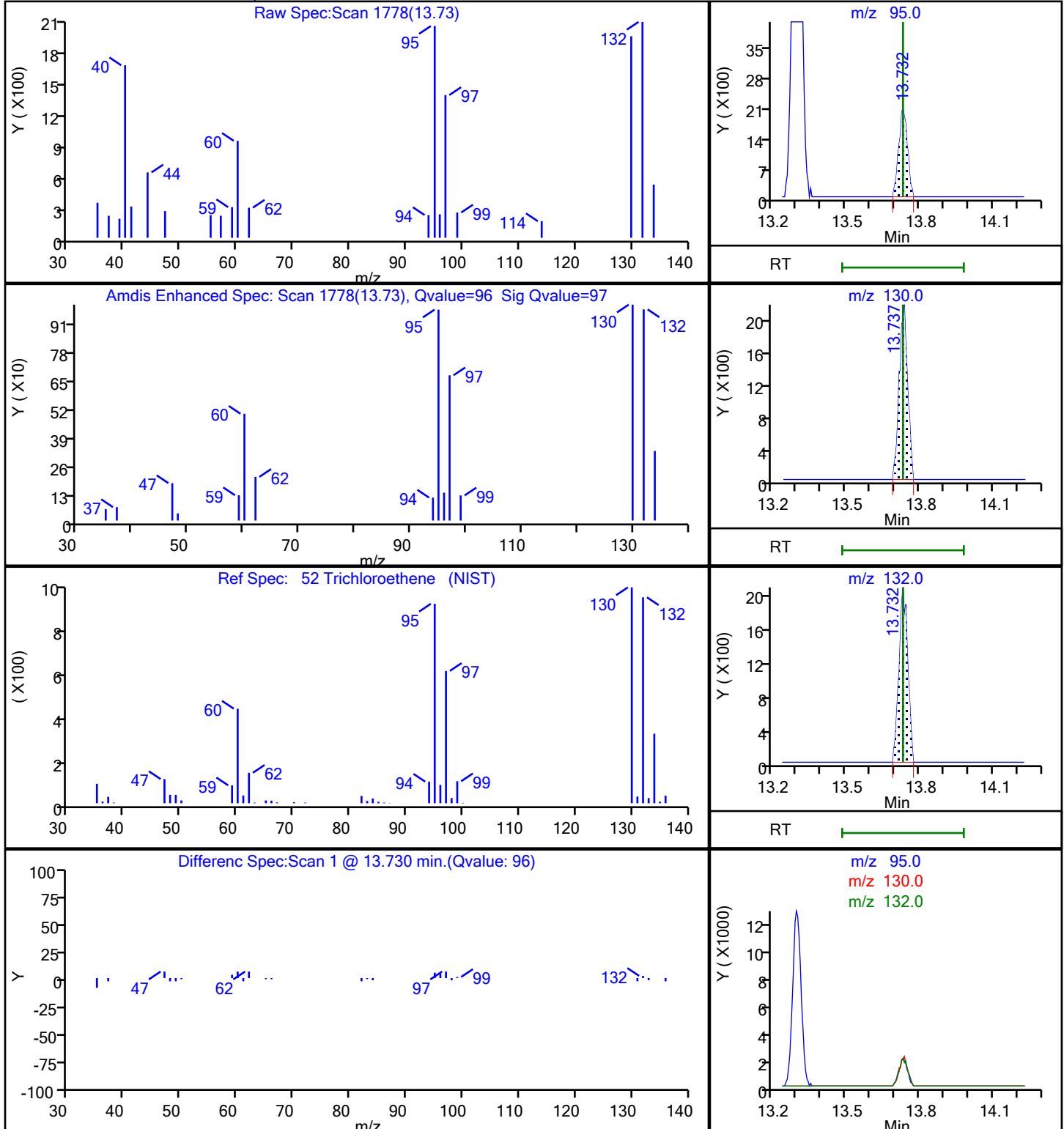
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-10.D
Injection Date: 17-Oct-2022 14:27:30 Instrument ID: CHX.i
Lims ID: 200-65325-A-3 Lab Sample ID: 200-65325-3
Client ID: LL2 HALLWAY-10-11-22
Operator ID: vtp ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

52 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-10.D

Injection Date: 17-Oct-2022 14:27:30

Instrument ID: CHX.i

Lims ID: 200-65325-A-3

Lab Sample ID: 200-65325-3

Client ID: LL2 HALLWAY-10-11-22

Operator ID: vtp

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 200.000 mL

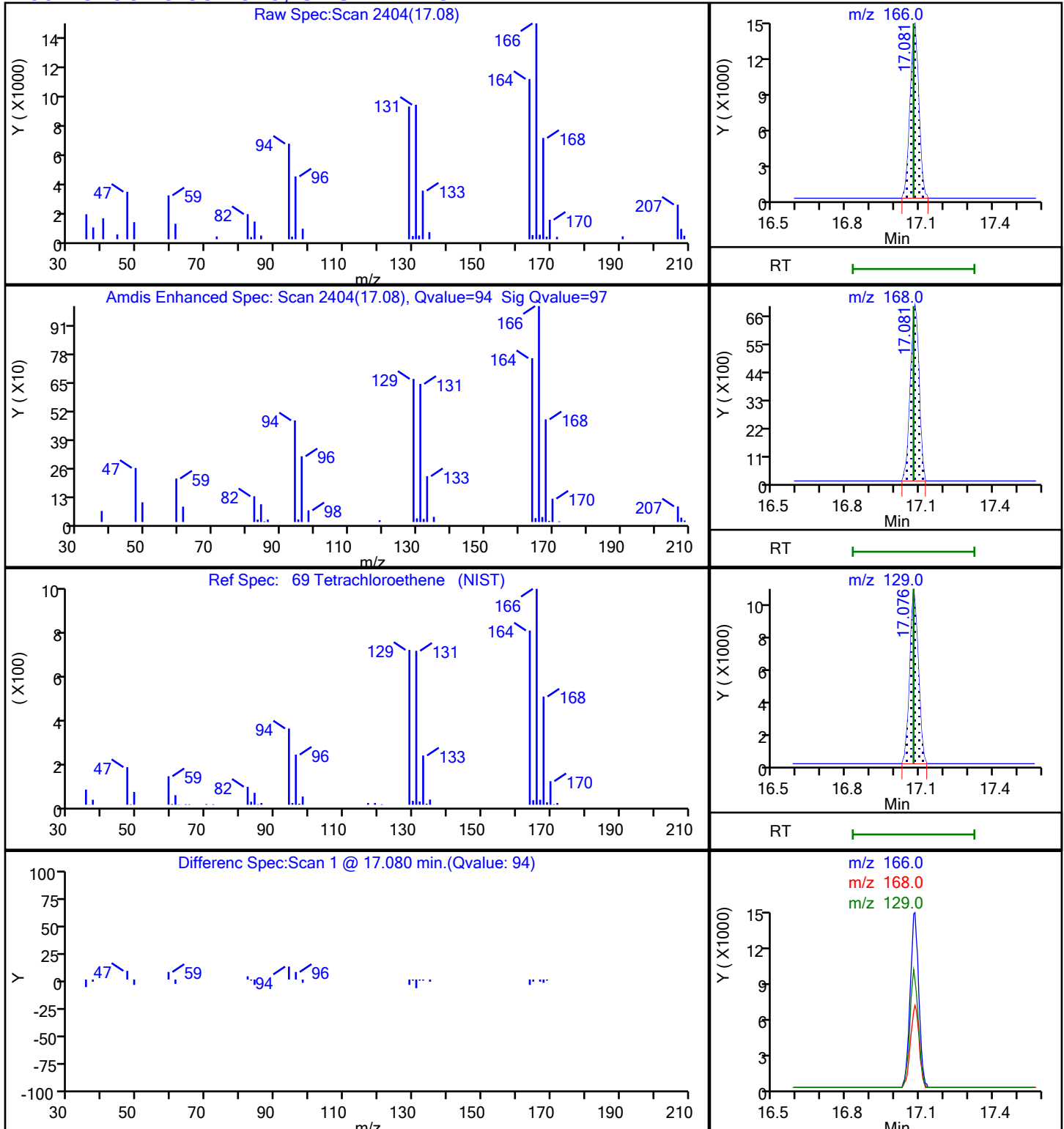
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 Tetrachloroethene, CAS: 127-18-4

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: LL2 PUMP ROOM-10-11-22 Lab Sample ID: 200-65325-4
Matrix: Air Lab File ID: 52909-13.D
Analysis Method: TO-15 Date Collected: 10/11/2022 17:29
Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2022 20:04
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184789 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.3		0.037	0.025
127-18-4	Tetrachloroethene	165.83	4.6		0.20	0.021

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: LL2 PUMP ROOM-10-11-22 Lab Sample ID: 200-65325-4
Matrix: Air Lab File ID: 52909-13.D
Analysis Method: TO-15 Date Collected: 10/11/2022 17:29
Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2022 20:04
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184789 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	7.2		0.20	0.13
127-18-4	Tetrachloroethene	165.83	32		1.4	0.14

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-13.D
 Lims ID: 200-65325-A-4
 Client ID: LL2 PUMP ROOM-10-11-22
 Sample Type: Client
 Inject. Date: 18-Oct-2022 20:04:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052909-013
 Misc. Info.: 65325-4
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Oct-2022 10:23:27 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1633

First Level Reviewer: bunmaa

Date: 19-Oct-2022 10:24:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.458	11.458	0.000	76	178012	10.0	
* 50 1,4-Difluorobenzene	114	13.293	13.293	0.000	94	894468	10.0	
52 Trichloroethene	95	13.732	13.737	0.000	98	59969	1.34	
69 Tetrachloroethene	166	17.081	17.076	0.005	95	329420	4.65	
* 73 Chlorobenzene-d5	117	18.750	18.755	-0.005	91	852669	10.0	

QC Flag Legend

Processing Flags

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-13.D

Injection Date: 18-Oct-2022 20:04:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: 200-65325-A-4

Lab Sample ID: 200-65325-4

Worklist Smp#: 13

Client ID: LL2 PUMP ROOM-10-11-22

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

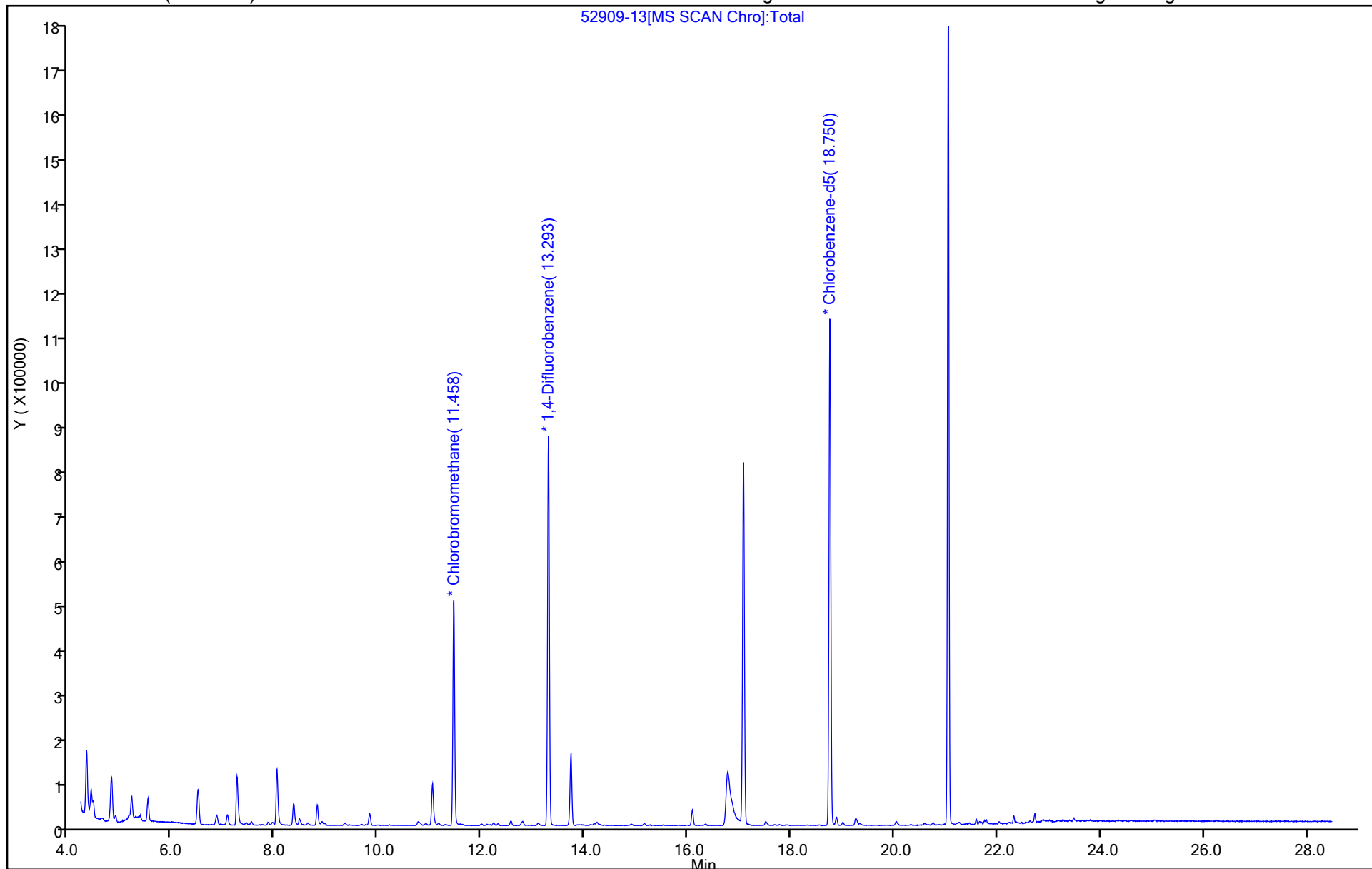
ALS Bottle#: 12

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

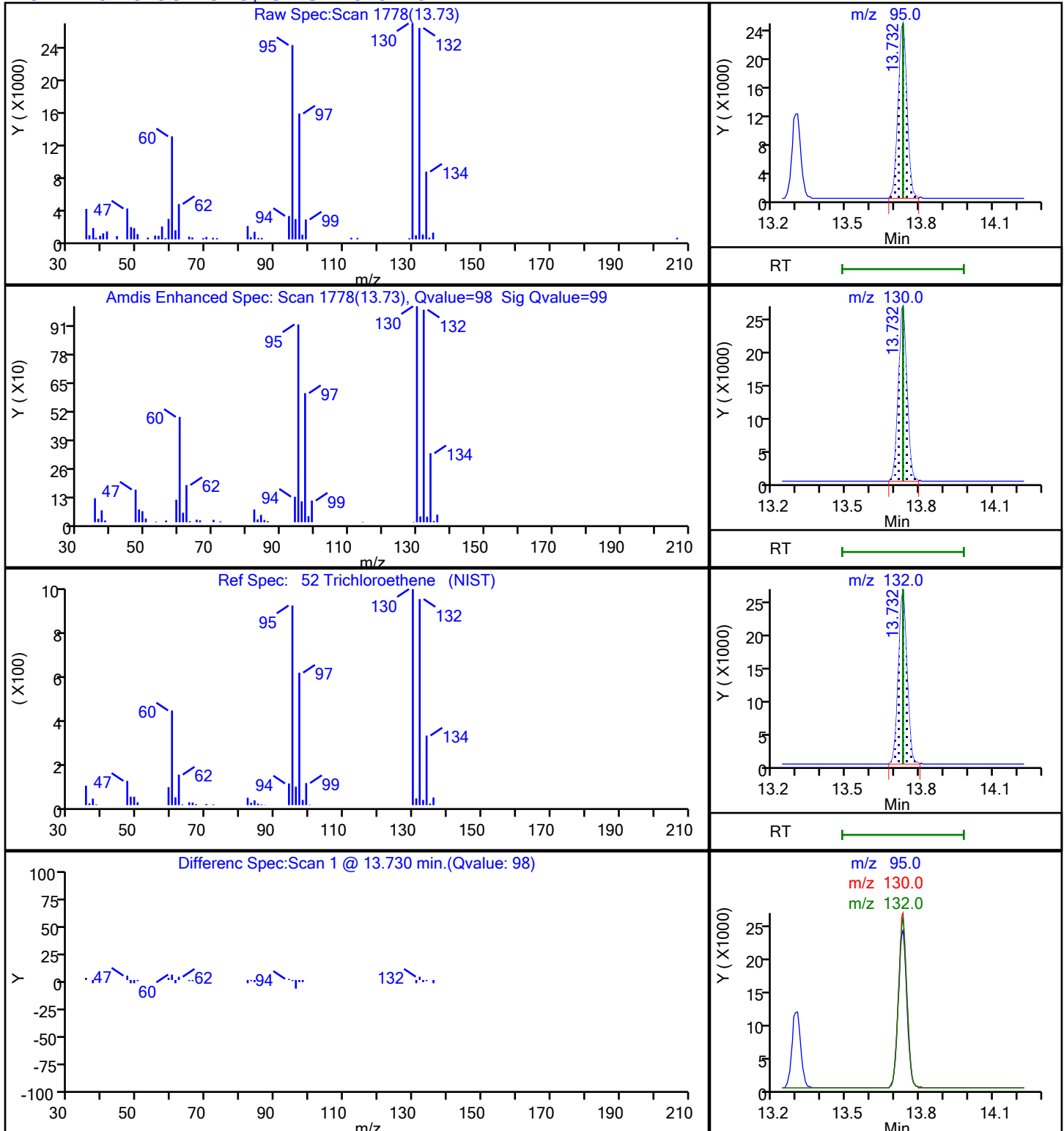
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-13.D
Injection Date: 18-Oct-2022 20:04:30 Instrument ID: CHX.i
Lims ID: 200-65325-A-4 Lab Sample ID: 200-65325-4
Client ID: LL2 PUMP ROOM-10-11-22
Operator ID: vtp ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

52 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-13.D

Injection Date: 18-Oct-2022 20:04:30

Instrument ID: CHX.i

Lims ID: 200-65325-A-4

Lab Sample ID: 200-65325-4

Client ID: LL2 PUMP ROOM-10-11-22

Operator ID: vtp

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

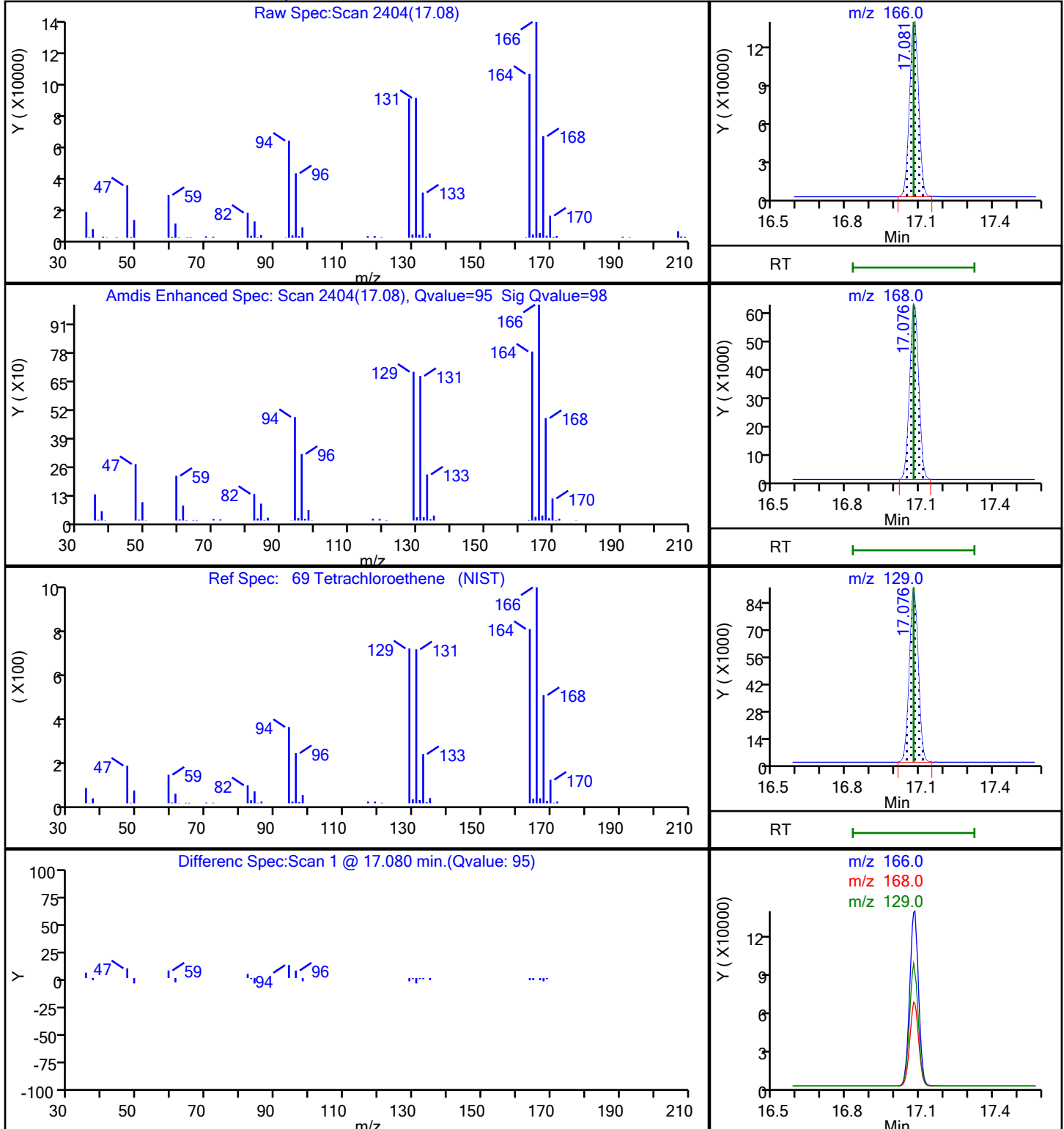
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 Tetrachloroethene, CAS: 127-18-4

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: DRIVEWAY-10-11-22 Lab Sample ID: 200-65325-5
Matrix: Air Lab File ID: 52891-12.D
Analysis Method: TO-15 Date Collected: 10/11/2022 08:11
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 16:12
Soil Aliquot Vol: _____ Dilution Factor: 3.93
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.15	U	0.15	0.098
127-18-4	Tetrachloroethene	165.83	0.086	J	0.79	0.083

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: DRIVEWAY-10-11-22 Lab Sample ID: 200-65325-5
Matrix: Air Lab File ID: 52891-12.D
Analysis Method: TO-15 Date Collected: 10/11/2022 08:11
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 16:12
Soil Aliquot Vol: _____ Dilution Factor: 3.93
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.79	U	0.79	0.53
127-18-4	Tetrachloroethene	165.83	0.58	J	5.3	0.56

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-12.D
 Lims ID: 200-65325-A-5
 Client ID: DRIVEWAY-10-11-22
 Sample Type: Client
 Inject. Date: 17-Oct-2022 16:12:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 3.9300
 Sample Info: 200-0052891-012
 Misc. Info.: 65325-5
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 18-Oct-2022 09:20:56 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: puangmaleek

Date: 18-Oct-2022 09:21:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.458	11.458	0.000	77	191096	10.0	
* 50 1,4-Difluorobenzene	114	13.293	13.293	0.000	94	936606	10.0	
52 Trichloroethene	95		13.732				ND	
69 Tetrachloroethene	166	17.081	17.076	0.006	55	1503	0.0218	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	88	828363	10.0	

QC Flag Legend

Processing Flags

Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-12.D

Injection Date: 17-Oct-2022 16:12:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: 200-65325-A-5

Lab Sample ID: 200-65325-5

Worklist Smp#: 12

Client ID: DRIVEWAY-10-11-22

Purge Vol: 200.000 mL

Dil. Factor: 3.9300

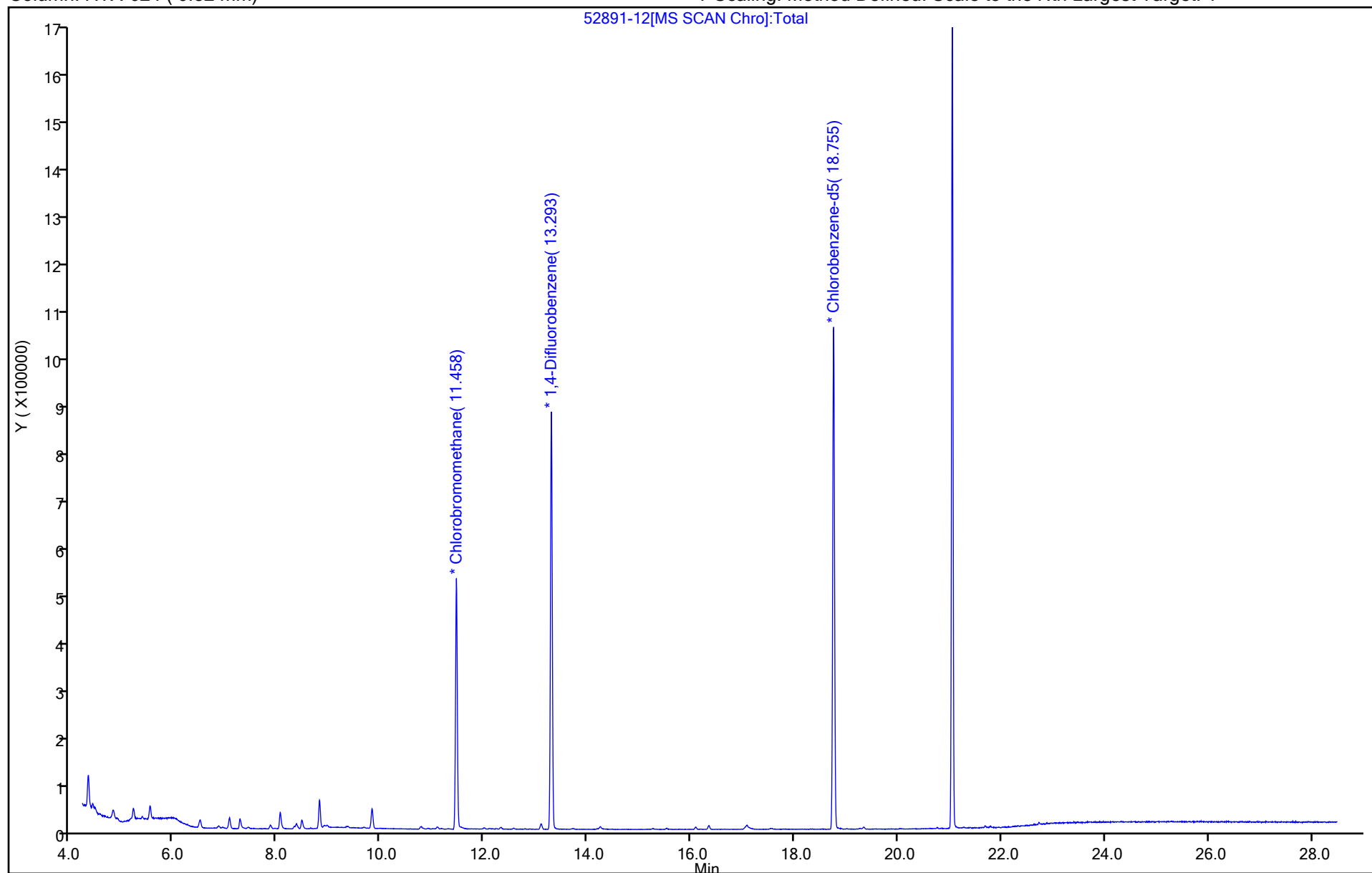
ALS Bottle#: 11

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-12.D

Injection Date: 17-Oct-2022 16:12:30

Instrument ID: CHX.i

Lims ID: 200-65325-A-5

Lab Sample ID: 200-65325-5

Client ID: DRIVEWAY-10-11-22

Operator ID: vtp

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 200.000 mL

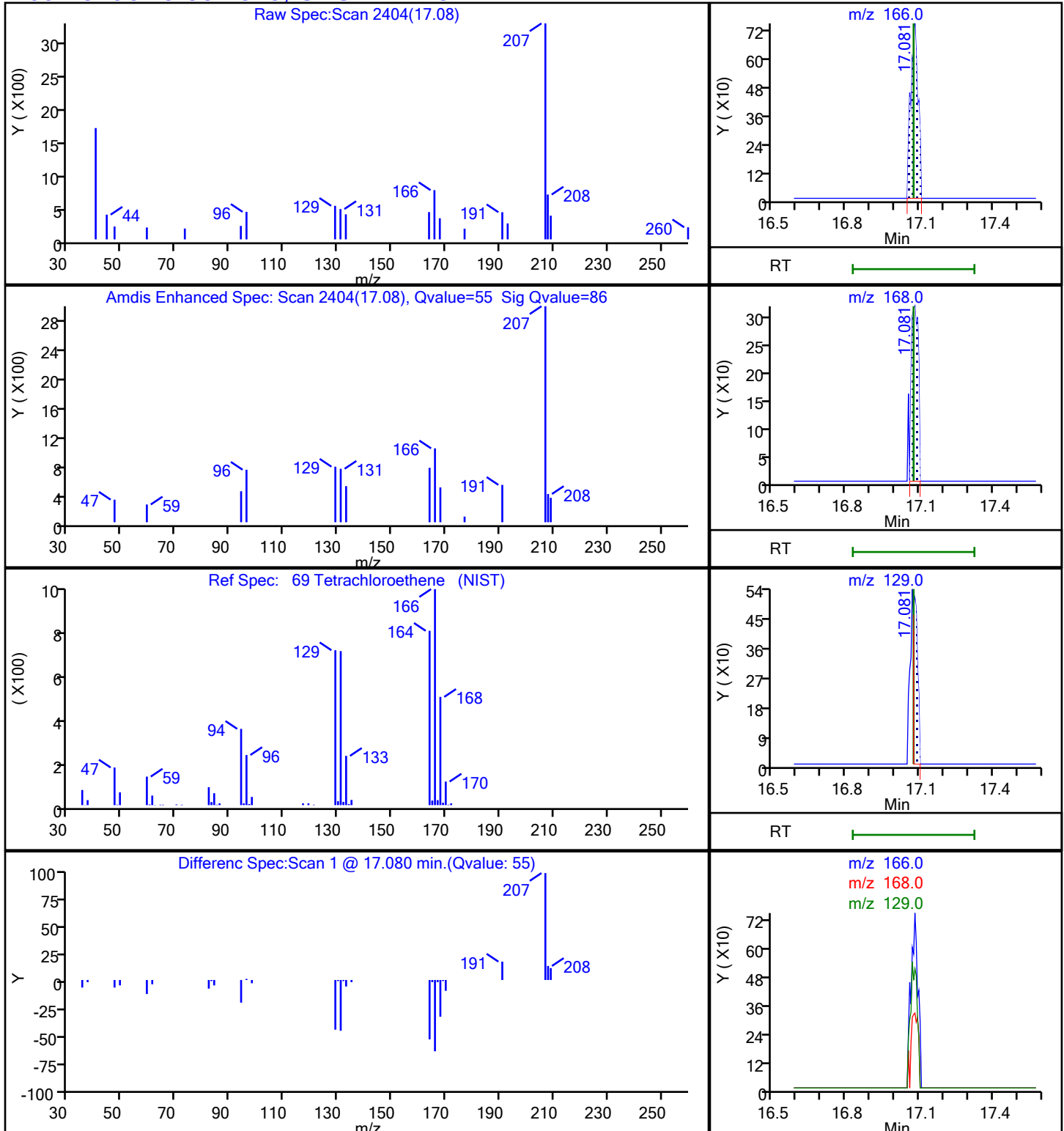
Dil. Factor: 3.9300

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 Tetrachloroethene, CAS: 127-18-4

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-184287/4	52704-04.D
Level 2	IC 200-184287/5	52704-05.D
Level 3	IC 200-184287/6	52704-06.D
Level 4	IC 200-184287/7	52704-07.D
Level 5	ICIS 200-184287/8	52704-08.D
Level 6	IC 200-184287/9	52704-09.D
Level 7	IC 200-184287/12	52704-12.D
Level 8	IC 200-184287/13	52704-13.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 5		B	M1	M2								
Propylene	++++ 2.8498	++++ 2.9462	++++ 2.3767	2.9552	2.8928	Ave		2.804 1				8.7		30.0			
Dichlorodifluoromethane	++++ 7.3572	++++ 7.6215	8.4998 6.3974	7.3432	7.2905	Ave		7.418 3				9.1		30.0			
Freon 22	++++ 4.7431	++++ 4.8981	5.6950 4.0051	4.9233	4.7645	Ave		4.838 2				11.1		30.0			
1,2-Dichlorotetrafluoroethane	++++ 6.8477	8.2611 7.1874	7.8408 5.9697	6.8772	6.8256	Ave		7.115 6				10.5		30.0			
Chloromethane	++++ 2.5748	++++ 2.6870	3.0684 2.1908	2.6460	2.6038	Ave		2.628 5				10.7		30.0			
Vinyl chloride	2.7581 1.4501	1.9955 1.4557	1.9015 1.1730	1.5457	1.5001	Ave		1.722 5				28.7		30.0			
n-Butane	++++ 1.9309	++++ 1.9183	2.7677 1.5389	2.1133	2.0187	Ave		2.048 0				19.7		30.0			
1,3-Butadiene	2.1075 1.1031	1.5728 1.0740	1.4027 0.9170	1.1658	1.0919	Ave		1.304 3				29.5		30.0			
Bromomethane	++++ 2.0865	2.5724 2.1286	2.4358 1.8073	2.1026	2.0795	Ave		2.173 3				11.7		30.0			
Chloroethane	++++ 1.1489	++++ 1.1722	1.3976 0.9722	1.1898	1.1713	Ave		1.175 4				11.5		30.0			
Isopentane	++++ 2.4189	3.3817 2.4060	3.2041 1.9238	2.6155	2.5329	Ave		2.640 4				18.9		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.9312	2.3814 1.9603	2.2035 1.6536	1.9420	1.9376	Ave		2.001 4				11.5		30.0			
Trichlorofluoromethane	++++ 6.0058	7.4852 6.0760	7.1807 5.0436	6.2723	6.1224	Ave		6.312 3				12.8		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 Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5		B	M1	M2								
n-Pentane	++++ 3.0616	++++ 3.0441	4.0229 2.4362	3.2782	3.1725	Ave		3.169 3				16.1		30.0			
Ethanol	++++ 0.7504	++++ 0.7436	0.7768 0.5876	0.7709	0.7775	Ave		0.734 5				10.0		30.0			
Ethyl ether	++++ 1.2600	1.5399 1.2323	1.4222 1.0238	1.2729	1.2842	Ave		1.290 8				12.5		30.0			
Acrolein	++++ 0.6993	++++ 0.6836	++++ 0.5814	0.6808	0.7020	Ave		0.669 4				7.5		30.0			
1,1-Dichloroethene	2.8912 1.7029	2.1628 1.7133	2.0177 1.4237	1.7407	1.7365	Ave		1.923 6				23.4		30.0			
Freon TF	++++ 3.6143	4.4675 3.5984	4.3440 2.9630	3.7382	3.6889	Ave		3.773 5				13.4		30.0			
Acetone	++++ 2.5328	++++ 2.5224	++++ 1.9624	2.6112	2.6957	Ave		2.464 9				11.7		30.0			
Isopropyl alcohol	++++ 2.7565	++++ 2.6708	++++ 2.2869	2.6277	2.8057	Ave		2.629 5				7.8		30.0			
Carbon disulfide	++++ 4.3325	++++ 4.3255	4.9337 3.6207	4.3814	4.3953	Ave		4.331 5				9.7		30.0			
Acetonitrile	++++ 0.9025	++++ 0.8873	++++ 0.7533	0.9006	0.9231	Ave		0.873 4				7.8		30.0			
3-Chloropropene	++++ 1.7857	2.1004 1.7614	2.0541 1.4606	1.8096	1.7920	Ave		1.823 4				11.6		30.0			
Methylene Chloride	++++ 1.5160	++++ 1.5099	1.8753 1.2491	1.5646	1.5488	Ave		1.543 9				12.9		30.0			
tert-Butyl alcohol	++++ 3.4122	++++ 3.3133	++++ 2.8696	3.1910	3.4315	Ave		3.243 5				7.1		30.0			
Acrylonitrile	++++ 0.8920	++++ 0.8719	0.9565 0.7402	0.8537	0.8816	Ave		0.866 0				8.2		30.0			
trans-1,2-Dichloroethene	3.2017 2.1085	2.5972 2.0705	2.4818 1.6930	2.1738	2.1552	Ave		2.310 2				19.6		30.0			
Methyl tert-butyl ether	++++ 4.8096	5.5275 4.6822	5.3461 3.8846	4.8688	4.9986	Ave		4.873 9				10.9		30.0			
n-Hexane	++++ 2.0595	2.6549 2.0414	2.5157 1.6849	2.1213	2.0913	Ave		2.167 0				14.9		30.0			
1,1-Dichloroethane	4.1255 2.5282	3.1724 2.4767	3.0330 2.0337	2.5988	2.5713	Ave		2.817 4				22.5		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 Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5		B	M1	M2								
Vinyl acetate	+++++ 3.3375	+++++ 3.2487	+++++ 2.6759	3.3139	3.3345	Ave		3.182 1				9.0		30.0			
Methyl Ethyl Ketone	+++++ 0.7304	+++++ 0.7323	0.7745 0.6168	0.7106	0.7550	Ave		0.719 9				7.7		30.0			
cis-1,2-Dichloroethene	2.5964 1.6161	1.9803 1.5919	1.8597 1.3520	1.6142	1.6205	Ave		1.778 9				21.4		30.0			
Ethyl acetate	+++++ 0.1360	+++++ 0.1366	+++++ 0.1174	0.1358	0.1414	Ave		0.133 4				6.9		30.0			
Tetrahydrofuran	+++++ 0.2677	+++++ 0.2639	+++++ 0.2213	0.2663	0.2720	Ave		0.258 2				8.1		30.0			
Chloroform	+++++ 3.5861	4.3573 3.5421	4.1604 2.9677	3.6199	3.6164	Ave		3.692 8				12.3		30.0			
1,1,1-Trichloroethane	+++++ 0.8425	0.9729 0.8375	0.9543 0.7081	0.8554	0.8509	Ave		0.860 2				10.1		30.0			
Cyclohexane	+++++ 0.4132	0.5026 0.4134	0.4817 0.3507	0.4208	0.4175	Ave		0.428 6				11.7		30.0			
Carbon tetrachloride	1.2980 0.9164	1.0037 0.9166	0.9954 0.7709	0.9207	0.9237	Ave		0.968 2				15.6		30.0			
Benzene	+++++ 0.9193	1.1328 0.9098	1.1020 0.7696	0.9412	0.9327	Ave		0.958 2				12.9		30.0			
1,2-Dichloroethane	+++++ 0.5211	0.6236 0.5138	0.6156 0.4332	0.5297	0.5228	Ave		0.537 1				12.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.3325	1.6277 1.3043	1.5714 1.0843	1.3702	1.3499	Ave		1.377 2				13.1		30.0			
n-Heptane	+++++ 0.4592	0.5984 0.4475	0.5574 0.3684	0.4727	0.4633	Ave		0.481 0				15.7		30.0			
n-Butanol	+++++ 0.1659	+++++ 0.1707	+++++ 0.1506	0.1482	0.1608	Ave		0.159 2				6.1		30.0			
Trichloroethene	0.7009 0.4615	0.5320 0.4552	0.5200 0.3872	0.4671	0.4658	Ave		0.498 7				18.6		30.0			
1,2-Dichloropropane	+++++ 0.3046	0.3945 0.2972	0.3659 0.2432	0.3160	0.3095	Ave		0.318 7				15.4		30.0			
Methyl methacrylate	+++++ 0.3207	+++++ 0.3201	0.2960 0.2701	0.3042	0.3273	Ave		0.306 4				6.9		30.0			
1,4-Dioxane	+++++ 0.1886	+++++ 0.1897	+++++ 0.1670	0.1597	0.1834	Ave		0.177 7				7.6		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 Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5		B	M1	M2								
Dibromomethane	++++ 0.4655	0.5110 0.4601	0.5007 0.3950	0.4562	0.4617	Ave		0.464 3				8.1		30.0			
Bromodichloromethane	++++ 0.8020	0.8239 0.7909	0.8146 0.6684	0.7898	0.8012	Ave		0.784 4				6.7		30.0			
cis-1,3-Dichloropropene	++++ 0.6177	0.6212 0.6067	0.6364 0.5161	0.6054	0.6123	Ave		0.602 3				6.5		30.0			
Methyl isobutyl ketone	++++ 0.6190	++++ 0.5935	0.4984 0.5093	0.5879	0.6142	Ave		0.570 4				9.3		30.0			
Toluene	++++ 0.7757	0.9323 0.7662	0.9095 0.6430	0.7929	0.7854	Ave		0.800 7				12.1		30.0			
n-Octane	++++ 0.6254	0.8274 0.6085	0.7512 0.4965	0.6569	0.6410	Ave		0.658 1				16.1		30.0			
trans-1,3-Dichloropropene	++++ 0.5693	0.5278 0.5611	0.5554 0.4831	0.5505	0.5642	Ave		0.544 5				5.6		30.0			
1,1,2-Trichloroethane	++++ 0.3624	0.4160 0.3583	0.4086 0.3016	0.3641	0.3678	Ave		0.368 4				10.2		30.0			
Tetrachloroethene	1.1424 0.7679	0.9130 0.7576	0.8802 0.6404	0.7773	0.7683	Ave		0.830 9				18.1		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.5675	++++ 0.5769	0.4824 0.5168	0.4680	0.5430	Ave		0.525 8				8.5		30.0			
Dibromochloromethane	++++ 0.9491	0.8980 0.9372	0.8489 0.7993	0.9127	0.9571	Ave		0.900 3				6.4		30.0			
1,2-Dibromoethane	++++ 0.7361	0.7693 0.7329	0.7688 0.6200	0.7356	0.7453	Ave		0.729 7				7.0		30.0			
Chlorobenzene	++++ 1.1061	1.2678 1.0988	1.2926 0.9325	1.1190	1.1275	Ave		1.134 9				10.5		30.0			
Ethylbenzene	++++ 1.7653	2.0276 1.7469	2.0396 1.4717	1.8152	1.8102	Ave		1.810 9				10.6		30.0			
m,p-Xylene	++++ 0.7038	0.7859 0.6929	0.8126 0.5831	0.7235	0.7221	Ave		0.717 7				10.3		30.0			
n-Nonane	++++ 0.6968	0.8098 0.6846	0.8475 0.5629	0.7346	0.7209	Ave		0.722 5				12.8		30.0			
Xylene, o-	++++ 0.6812	0.7901 0.6756	0.7858 0.5677	0.7026	0.7083	Ave		0.701 6				10.7		30.0			
Styrene	++++ 1.0763	0.8085 1.0667	1.0180 0.9166	1.0630	1.0938	Ave		1.006 1				10.5		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 Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5		B	M1	M2								
Bromoform	++++ 0.9946	0.7126 0.9653	0.7692 0.8554	0.9226	1.0040	Ave		0.889 1				12.8		30.0			
Cumene	++++ 2.1288	2.4125 2.0907	2.4149 1.7506	2.1729	2.1902	Ave		2.165 8				10.4		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9169	1.0238 0.9032	1.0186 0.7504	0.9311	0.9442	Ave		0.926 9				9.8		30.0			
1,2,3-Trichloropropane	++++ 0.7935	++++ 0.7812	0.9149 0.6490	0.8157	0.8306	Ave		0.797 5				10.9		30.0			
n-Propylbenzene	++++ 2.4269	2.6011 2.3882	2.7933 1.9645	2.5135	2.5352	Ave		2.460 4				10.4		30.0			
2-Chlorotoluene	++++ 1.5599	1.7101 1.5238	1.8170 1.2709	1.6059	1.6200	Ave		1.586 8				10.7		30.0			
4-Ethyltoluene	++++ 2.1058	2.1400 2.0638	2.4012 1.7199	2.1547	2.1814	Ave		2.109 6				9.6		30.0			
1,3,5-Trimethylbenzene	++++ 1.8282	2.0585 1.7811	2.1007 1.4968	1.8672	1.8845	Ave		1.859 6				10.7		30.0			
n-Decane	++++ 0.9125	++++ 0.8726	1.1127 0.7130	0.9693	0.9579	Ave		0.923 0				14.2		30.0			
Alpha Methyl Styrene	++++ 0.9381	0.6167 0.9135	0.7849 0.7838	0.9101	0.9546	Ave		0.843 1				14.5		30.0			
tert-Butylbenzene	++++ 1.8281	2.1425 1.7640	2.1400 1.4825	1.8781	1.8933	Ave		1.875 5				12.1		30.0			
1,2,4-Trimethylbenzene	++++ 1.8422	1.9557 1.7866	2.0987 1.5027	1.8715	1.8863	Ave		1.849 1				9.9		30.0			
sec-Butylbenzene	++++ 2.5976	2.9910 2.4968	3.0542 2.0596	2.6861	2.6943	Ave		2.654 2				12.5		30.0			
1,3-Dichlorobenzene	++++ 1.2803	1.1887 1.2561	1.4520 1.0618	1.2914	1.3336	Ave		1.266 3				9.6		30.0			
4-Isopropyltoluene	++++ 2.3439	2.5883 2.2509	2.6290 1.8655	2.3852	2.4289	Ave		2.356 0				10.8		30.0			
1,4-Dichlorobenzene	++++ 1.2983	1.0903 1.2651	1.4569 1.0740	1.3004	1.3436	Ave		1.261 2				10.8		30.0			
Benzyl chloride	++++ 1.0566	0.4719 1.0145	0.6047 0.9579	0.9276	0.9487	Ave		0.854 6				26.2		30.0			
n-Butylbenzene	++++ 2.0416	1.9847 1.9551	2.3598 1.6054	2.1295	2.1245	Ave		2.028 7				11.3		30.0			

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

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.2224	1.2938 1.1819	1.4376 1.0045	1.2398	1.2631	Ave		1.234 7				10.5		30.0			
n-Undecane	+++++ 1.0678	+++++ 1.0122	+++++ 0.8243	1.1396	1.1158	Ave		1.032 0				12.2		30.0			
n-Dodecane	+++++ 1.0910	+++++ 1.0392	+++++ 0.8366	1.0899	1.1022	Ave		1.031 8				10.8		30.0			
1,2,4-Trichlorobenzene	+++++ 1.2516	+++++ 1.2258	1.2961 1.0715	1.1984	1.2758	Ave		1.219 9				6.6		30.0			
Hexachlorobutadiene	+++++ 1.3649	1.4486 1.3332	1.4272 1.1507	1.3449	1.4125	Ave		1.354 6				7.4		30.0			
Naphthalene	+++++ 2.5024	+++++ 2.4492	2.5170 2.1232	2.3094	2.5505	Ave		2.408 6				6.8		30.0			
1,2,3-Trichlorobenzene	+++++ 1.0840	+++++ 1.0712	1.1370 0.9415	1.0484	1.1191	Ave		1.066 9				6.5		30.0			

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

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-184287/4	52704-04.D
Level 2	IC 200-184287/5	52704-05.D
Level 3	IC 200-184287/6	52704-06.D
Level 4	IC 200-184287/7	52704-07.D
Level 5	ICIS 200-184287/8	52704-08.D
Level 6	IC 200-184287/9	52704-09.D
Level 7	IC 200-184287/12	52704-12.D
Level 8	IC 200-184287/13	52704-13.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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 1545009	++++ 2194868	++++ 3579022	506816	1008191	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 3988721	++++ 5677951	++++ 9633802	1259354	2540854	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 2571485	++++ 3649044	97249 6031299	844337	1660498	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 3712485	++++ 54356 5354517	133891 8989696	1179431	2378820	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 1395924	++++ 2001795	52397 3299074	453787	907459	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	3171 786193	13130 1084449	32470 1766444	265087	522797	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 1046846	++++ 1429147	47261 2317448	362425	703542	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	2423 598026	10349 800111	23952 1380919	199927	380546	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 1131214	16926 1585771	41594 2721627	360597	724756	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 622887	++++ 873305	23865 1464077	204050	408233	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 1311395	22251 1792414	54713 2897066	448557	882764	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 1046997	15669 1460371	37627 2490134	333056	675299	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 3256058	49251 4526526	122618 7595042	1075689	2133740	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 1659833	++++ 2267820	68696 3668695	562216	1105682	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 543637	++++ 1108179	132811 2212180	264605	406650	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: Eurofins Burlington

Job No.: 200-65325-1

Analy Batch No.: 184287

SDG No.: 200-65325

Instrument ID: CHX.i

GC Column: RTX-624 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2022 17:51

Calibration End Date: 10/05/2022 01:42

Calibration ID: 49067

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	++++ 683127	10132 918079	24285 1541789	218301	447570	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 379144	++++ 509291	++++ 875457	116753	244647	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	3324 923222	14231 1276408	34455 2143905	298524	605205	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 1959493	29395 2680774	74178 4461986	641102	1285651	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 1373164	++++ 1879162	++++ 2955157	447815	939512	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 1494431	++++ 1989729	++++ 3443874	450655	977835	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 2348871	++++ 3222435	84249 5452354	751411	1531839	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 489312	++++ 661044	++++ 1134334	154450	321715	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 968094	13820 1312245	35076 2199487	310339	624524	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 821878	++++ 1124874	32022 1880967	268320	539777	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 1849926	++++ 2468362	++++ 4321234	547247	1195942	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 483619	++++ 649564	16333 1114722	146408	307260	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	3681 1143105	17089 1542490	42380 2549528	372804	751131	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 2607543	36370 3488197	91290 5849744	834987	1742084	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 1116576	17469 1520848	42958 2537269	363804	728864	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	4743 1370649	20874 1845116	51791 3062556	445692	896141	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 1809442	++++ 2420251	++++ 4029662	568335	1162123	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 395987	++++ 545528	13226 928845	121875	263129	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	2985 876153	13030 1185982	31756 2036026	276831	564760	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 73718	++++ 101783	++++ 176819	23283	49290	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	++++	227374	477800	++++	++++	++++	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			733348	987922	1667112			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 1944193	28670 2638796	71044 4469073	620805	1260385	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 2308244	32462 3134885	82167 5334409	730378	1494557	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 1132167	16771 1547359	41475 2641889	359291	733342	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	7562 2510888	33492 3430921	85703 5807770	786087	1622353	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 2518680	37798 3405278	94884 5797947	803624	1638216	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 1427851	20808 1923171	53002 3263192	452281	918224	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 3650764	54312 4881945	135304 8168311	1169924	2371054	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 1258110	19967 1674837	47990 2775040	403557	813710	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	++++ 454554	++++ 638934	++++ 1134328	126526	282401	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	4083 1264413	17752 1703851	44771 2916964	398791	818161	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 834642	13163 1112344	31508 1832464	269763	543693	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	++++ 878684	++++ 1197982	25490 2034686	259733	574798	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	++++ 516865	++++ 709884	++++ 1257781	136377	322046	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	++++ 1275296	17052 1721976	43115 2975929	389529	810975	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	++++ 2197241	27491 2960162	70139 5035390	674318	1407275	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 1692458	20727 2270917	54792 3887778	516917	1075539	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl isobutyl ketone	DFBZ	Ave	++++ 1696028	++++ 2221295	42918 3836671	501950	1078834	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNzd 5	Ave	++++ 1940073	27934 2616569	70151 4449444	614511	1261293	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	++++ 1713623	27607 2277429	64681 3740042	560885	1125805	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++	17612	47819	470010	990896	++++	0.200	0.500	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1 Analy Batch No.: 184287

SDG No.: 200-65325

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1559792	2100331	3639336			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	++++	12464	31512	282213	590690	++++	0.200	0.500	4.99	10.00
			906304	1223459	2087111			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	5984	27355	67888	602400	1233868	0.0351	0.200	0.500	4.99	10.00
			1920707	2586916	4431650			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	++++	++++	37204	362688	872054	++++	++++	0.500	4.99	10.00
			1419285	1970138	3576582			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	++++	26904	65476	707384	1536933	++++	0.200	0.500	4.99	10.00
			2373746	3200270	5531349			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	++++	23048	59294	570115	1196924	++++	0.200	0.500	4.99	10.00
			1841174	2502582	4290187			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	++++	37984	99699	867222	1810572	++++	0.200	0.500	4.99	10.00
			2766477	3752196	6452676			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	++++	60751	157308	1406828	2906897	++++	0.200	0.500	4.99	10.00
			4415145	5965436	10184356			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	++++	47096	125355	1121407	2319073	++++	0.401	1.00	9.99	20.0
			3520336	4732448	8069780			30.0	40.0	80.0		
n-Nonane	CBNZd 5	Ave	++++	24264	65365	569370	1157743	++++	0.200	0.500	4.99	10.00
			1742851	2337619	3895155			15.0	20.0	40.0		
Xylene, o-	CBNZd 5	Ave	++++	23671	60608	544507	1137371	++++	0.200	0.500	4.99	10.00
			1703835	2307029	3928751			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	++++	24223	78517	823877	1756523	++++	0.200	0.500	4.99	10.00
			2691907	3642602	6342961			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	++++	21350	59325	715035	1612226	++++	0.200	0.500	4.99	10.00
			2487606	3296287	5919694			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	++++	72281	186257	1684030	3517268	++++	0.200	0.500	4.99	10.00
			5324313	7139369	12114352			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++	30675	78563	721637	1516241	++++	0.200	0.500	4.99	10.00
			2293211	3084110	5193074			15.0	20.0	40.0		

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichloropropane	CBNZd 5	Ave	++++ 1984526	++++ 2667587	70563 4491501	632214	1333909	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZd 5	Ave	++++ 6069880	77932 8155035	215444 13594865	1947991	4071274	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZd 5	Ave	++++ 3901371	51236 5203367	140142 8795077	1244619	2601587	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZd 5	Ave	++++ 5266941	64118 7047469	185199 11902023	1669923	3503108	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++ 4572413	61674 6082035	162023 10358360	1447151	3026205	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZd 5	Ave	++++ 2282366	++++ 2979596	85823 4934218	751225	1538301	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZd 5	Ave	++++ 2346365	18478 3119425	60537 5423702	705337	1533008	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZd 5	Ave	++++ 4572368	64191 6023526	165051 10258844	1455601	3040366	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++ 4607532	58596 6100701	161866 10398815	1450451	3029114	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZd 5	Ave	++++ 6496768	89613 8526166	235566 14252499	2081795	4326775	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZd 5	Ave	++++ 3202089	35616 4289451	111987 7347895	1000852	2141594	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZd 5	Ave	++++ 5862431	77549 7686320	202769 12909659	1848567	3900527	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZd 5	Ave	++++ 3247153	32666 4319909	112368 7432515	1007840	2157653	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZd 5	Ave	++++ 2642591	14139 3464266	46640 6628697	718929	1523475	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1 Analy Batch No.: 184287
SDG No.: 200-65325
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2022 17:51 Calibration End Date: 10/05/2022 01:42 Calibration ID: 49067

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	CBNZd 5	Ave	+++++	59464	182007	1650403	3411741	+++++	0.200	0.500	4.99	10.00
			5106271	6676387	11109452			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	38763	110877	960906	2028316	+++++	0.200	0.500	4.99	10.00
			3057363	4035938	6951203			15.0	20.0	40.0		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	883215	1791811	+++++	+++++	+++++	4.99	10.00
			2670754	3456602	5704492			15.0	20.0	40.0		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	844682	1770030	+++++	+++++	+++++	4.99	10.00
			2728698	3548716	5789317			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	99968	928753	2048779	+++++	+++++	0.500	4.99	10.00
			3130458	4185743	7414874			15.0	20.0	40.0		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	43402	110076	1042332	2268335	+++++	0.200	0.500	4.99	10.00
			3413666	4552482	7962711			15.0	20.0	40.0		
Naphthalene	CBNZd 5	Ave	+++++	+++++	194130	1789823	4095806	+++++	+++++	0.500	4.99	10.00
			6258890	8363591	14692796			15.0	20.0	40.0		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	87693	812540	1797175	+++++	+++++	0.500	4.99	10.00
			2711158	3657893	6515371			15.0	20.0	40.0		

Curve Type Legend:

Ave = Average ISTD

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-04.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 04-Oct-2022 17:51:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-004
 Misc. Info.: ic-01
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:00 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: bunmaa

Date: 05-Oct-2022 09:47:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.343	4.332	0.011	93	8971	0.0351	0.0976	
3 Dichlorodifluoromethane	85	4.424	4.423	0.001	98	12908	0.0351	0.0531	
4 Chlorodifluoromethane	51	4.472	4.466	0.006	97	8829	0.0351	0.0557	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.782	0.005	93	11466	0.0351	0.0492	
6 Chloromethane	50	4.905	4.894	0.011	98	5976	0.0351	0.0694	
7 Vinyl chloride	62	5.210	5.204	0.006	90	3171	0.0351	0.0562	
8 Butane	43	5.210	5.210	0.000	84	6544	0.0351	0.0975	
9 Butadiene	54	5.328	5.322	0.006	92	2423	0.0351	0.0567	M
10 Bromomethane	94	6.028	6.018	0.010	95	3947	0.0351	0.0554	
12 Chloroethane	64	6.291	6.285	0.006	53	2295	0.0351	0.0596	
13 2-Methylbutane	43	6.499	6.499	0.000	90	5499	0.0351	0.0635	
14 Vinyl bromide	106	6.708	6.702	0.006	93	3365	0.0351	0.0513	
15 Trichlorofluoromethane	101	6.863	6.863	0.000	96	10777	0.0351	0.0521	
16 Pentane	43	7.072	7.072	0.000	96	9019	0.0351	0.0868	
17 Ethanol	45	7.286	7.216	0.070	99	8557	0.0702	0.3554	
18 Ethyl ether	59	7.564	7.499	0.065	94	2347	0.0351	0.0555	
19 Acrolein	56	7.751	7.708	0.043	90	1732	0.0351	0.0789	
20 1,1-Dichloroethene	96	7.912	7.906	0.006	95	3324	0.0351	0.0527	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.954	7.949	0.005	96	6617	0.0351	0.0535	
22 Acetone	43	8.061	7.981	0.080	99	14246	0.0351	0.1763	
23 Isopropyl alcohol	45	8.377	8.297	0.080	97	12395	0.0351	0.1438	
24 Carbon disulfide	76	8.324	8.329	-0.005	98	7424	0.0351	0.0523	
25 Acetonitrile	41	8.489	8.441	0.048	95	2584	0.0351	0.0903	
27 3-Chloro-1-propene	41	8.591	8.591	0.000	91	3879	0.0351	0.0649	
28 Methylene Chloride	49	8.810	8.810	0.000	93	3663	0.0351	0.0724	
29 2-Methyl-2-propanol	59		9.083				ND	ND	
30 Acrylonitrile	53	9.222	9.190	0.032	79	1043	0.0351	0.0367	
32 trans-1,2-Dichloroethene	61	9.319	9.318	0.001	94	3681	0.0351	0.0486	
31 Methyl tert-butyl ether	73	9.426	9.345	0.081	95	7650	0.0351	0.0479	
S 33 1,2-Dichloroethene, Total	61				0		0.0702	0.0998	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.832	9.827	0.005	91	3717	0.0351	0.0523	
36 1,1-Dichloroethane	63	10.073	10.067	0.006	98	4743	0.0351	0.0514	
35 Vinyl acetate	43	10.105	10.078	0.027	99	4745	0.0351	0.0455	
37 2-Butanone (MEK)	72	11.095	11.025	0.070	97	1590	0.0351	0.0674	
38 cis-1,2-Dichloroethene	96	11.041	11.046	-0.005	94	2985	0.0351	0.0512	M
39 Ethyl acetate	88		11.111				ND	ND	
* 40 Chlorobromomethane	128	11.458	11.458	0.000	78	327762	10.0	10.0	
41 Tetrahydrofuran	42	11.587	11.528	0.059	85	2571	0.0351	0.0599	
42 Chloroform	83	11.635	11.629	0.006	95	6347	0.0351	0.0524	
43 1,1,1-Trichloroethane	97	11.945	11.950	-0.005	94	7023	0.0351	0.0492	
44 Cyclohexane	84	12.100	12.100	0.000	91	3390	0.0351	0.0476	
45 Carbon tetrachloride	117	12.229	12.234	-0.005	99	7562	0.0351	0.0470	
46 Benzene	78	12.571	12.566	0.005	96	9216	0.0351	0.0579	
47 1,2-Dichloroethane	62	12.646	12.635	0.011	97	4809	0.0351	0.0539	
48 Isooctane	57	12.791	12.790	0.000	97	12022	0.0351	0.0526	
49 n-Heptane	43	13.106	13.095	0.011	87	2592	0.0351	0.0324	
* 50 1,4-Difluorobenzene	114	13.299	13.299	0.000	94	1660839	10.0	10.0	
51 n-Butanol	56	13.293	13.529	-0.236	23	31401	0.0351	1.19	
52 Trichloroethene	95	13.737	13.732	0.005	95	4083	0.0351	0.0493	
55 1,2-Dichloropropane	63	14.181	14.181	0.000	71	2521	0.0351	0.0476	
56 Methyl methacrylate	69		14.262				ND	ND	
58 Dibromomethane	174	14.342	14.336	0.006	91	3819	0.0351	0.0495	
57 1,4-Dioxane	88		14.342				ND	ND	
59 Dichlorobromomethane	83	14.647	14.641	0.006	94	3034	0.0351	0.0233	
60 cis-1,3-Dichloropropene	75	15.449	15.438	0.011	94	4247	0.0351	0.0425	
62 4-Methyl-2-pentanone (MIBK)	43		15.706				ND	ND	
63 Toluene	92	16.086	16.086	0.000	94	6100	0.0351	0.0510	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0		26241	NC	NC	
A 65 C8 Range	1	16.343	(16.268-16.417)	0		38959	NC	NC	
66 n-Octane	43	16.348	16.343	0.005	83	6839	0.0351	0.0626	
67 trans-1,3-Dichloropropene	75	16.493	16.487	0.005	96	3088	0.0351	0.0341	
68 1,1,2-Trichloroethane	83		16.861				ND	ND	
69 Tetrachloroethene	166	17.081	17.081	0.000	92	5984	0.0351	0.0482	
70 2-Hexanone	43		17.375				ND	ND	
71 Chlorodibromomethane	129	17.605	17.610	-0.005	97	5136	0.0351	0.0382	
72 Ethylene Dibromide	107	17.851	17.851	0.000	96	4834	0.0351	0.0444	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	1493369	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	96	8275	0.0351	0.0488	
75 Ethylbenzene	91	19.007	19.007	0.000	97	12674	0.0351	0.0469	
76 m-Xylene & p-Xylene	106	19.264	19.269	-0.005	0	10152	0.0702	0.0947	
77 n-Nonane	57	19.333	19.338	-0.005	81	5081	0.0351	0.0471	
S 78 Xylenes, Total	106				0		0.1052	0.1435	
79 o-Xylene	106	20.039	20.039	0.000	98	5116	0.0351	0.0488	
80 Styrene	104	20.077	20.077	0.000	95	5113	0.0351	0.0340	
81 Bromoform	173	20.425	20.430	-0.005	95	4349	0.0351	0.0328	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	15232	0.0351	0.0471	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	94	6260	0.0351	0.0452	
84 1,2,3-Trichloropropane	75	21.350	21.345	0.005	92	6447	0.0351	0.0541	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	16284	0.0351	0.0443	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	10715	0.0351	0.0452	
87 4-Ethyltoluene	105	21.655	21.655	0.000	98	13695	0.0351	0.0435	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	12766	0.0351	0.0460	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.783	21.783	0.000	95	5573	0.0351	0.0404	
90 Alpha Methyl Styrene	118	22.078	22.077	0.001	91	3590	0.0351	0.0285	
91 tert-Butylbenzene	119	22.227	22.233	-0.006	91	13613	0.0351	0.0486	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	11953	0.0351	0.0433	
93 sec-Butylbenzene	105	22.559	22.559	0.000	97	19183	0.0351	0.0484	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	97	8162	0.0351	0.0432	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	16918	0.0351	0.0481	
96 1,4-Dichlorobenzene	146	22.875	22.875	0.000	95	7452	0.0351	0.0396	
97 Benzyl chloride	91		23.014				ND	ND	
98 n-Butylbenzene	91	23.329	23.329	0.000	97	12585	0.0351	0.0415	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	94	8343	0.0351	0.0452	
100 Undecane	57	23.479	23.479	0.000	94	8331	0.0351	0.0541	
101 Dodecane	57	25.047	25.052	-0.005	94	4612	0.0351	0.0299	
102 1,2,4-Trichlorobenzene	180	25.780	25.779	0.001	93	6434	0.0351	0.0353	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	97	9678	0.0351	0.0478	
104 Naphthalene	128	26.250	26.250	0.000	98	10252	0.0351	0.0285	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	94	6115	0.0351	0.0384	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00246

Amount Added: 35.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-04.D

Injection Date: 04-Oct-2022 17:51:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

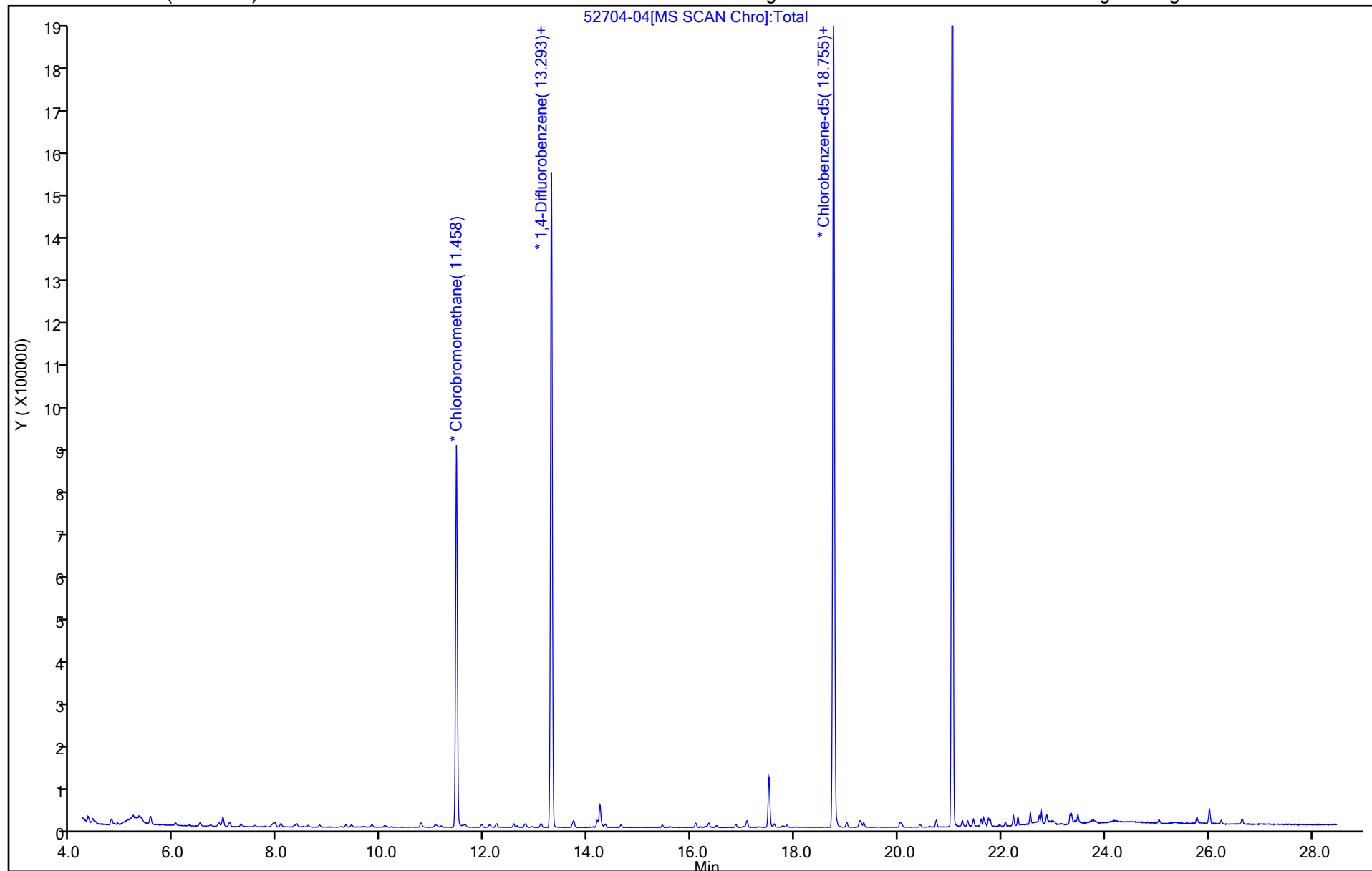
ALS Bottle#: 4

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

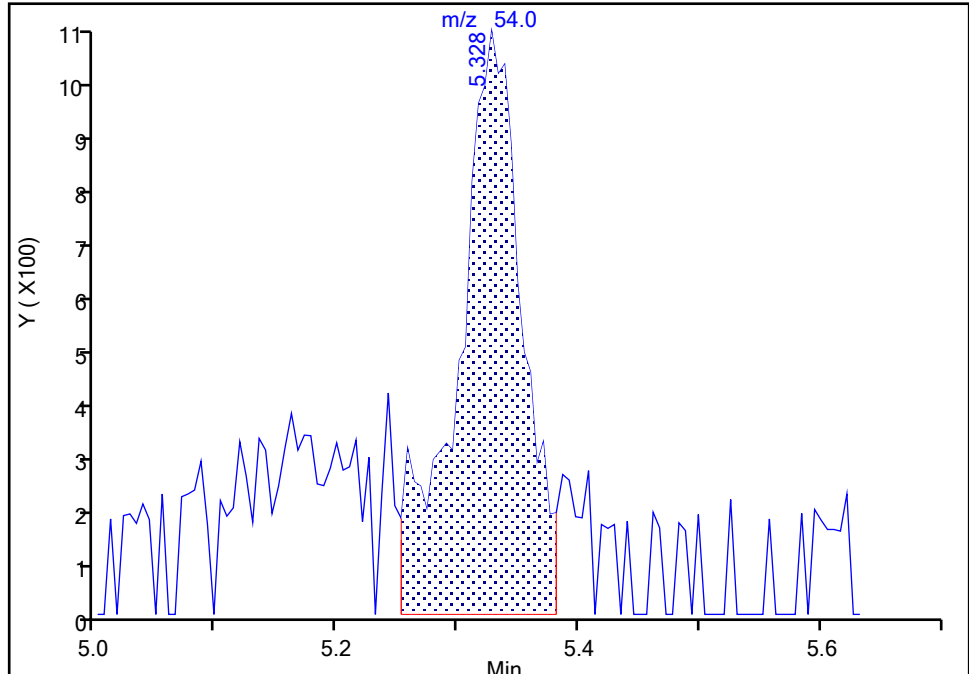
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Injection Date: 04-Oct-2022 17:51:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

9 Butadiene, CAS: 106-99-0

Signal: 1

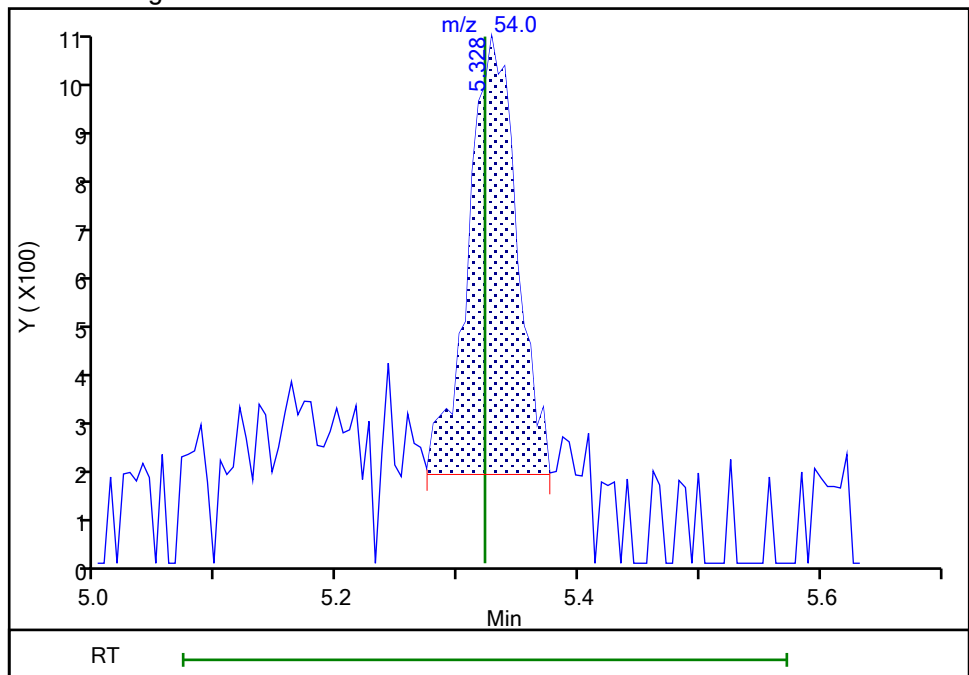
RT: 5.33
Area: 3920
Amount: 0.068086
Amount Units: ppb v/v

Processing Integration Results



RT: 5.33
Area: 2423
Amount: 0.056676
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 09:44:05
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 165 of 450

10/20/2022

Eurofins Burlington

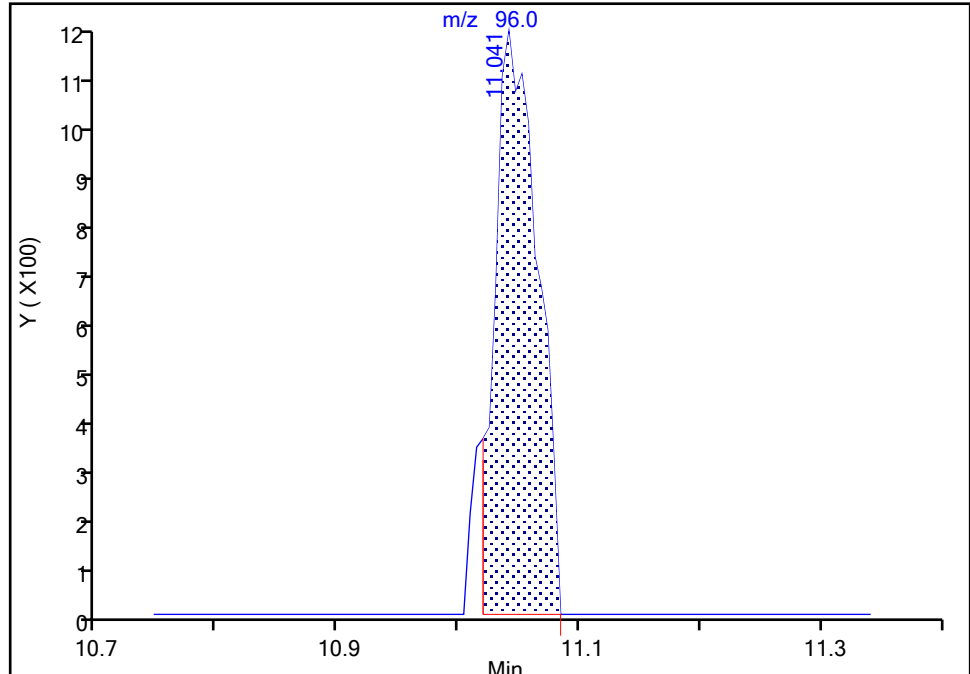
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Injection Date: 04-Oct-2022 17:51:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

38 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

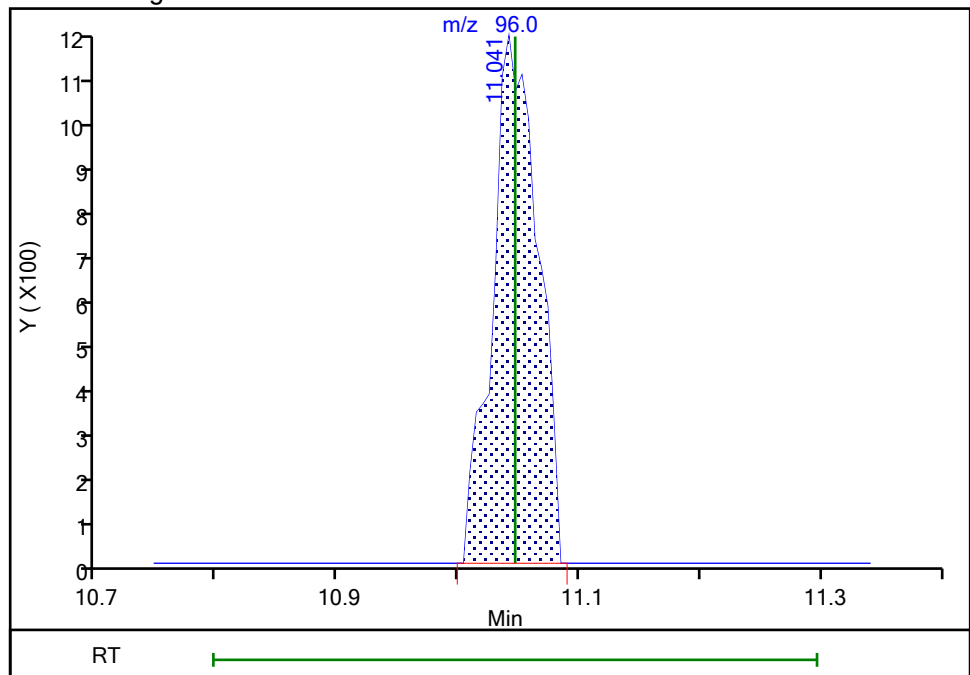
RT: 11.04
Area: 2816
Amount: 0.045105
Amount Units: ppb v/v

Processing Integration Results



RT: 11.04
Area: 2985
Amount: 0.051196
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 09:45:44

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-05.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 04-Oct-2022 18:43:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-005
 Misc. Info.: ic-02
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:33 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: bunmaa

Date: 05-Oct-2022 09:55:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.348	4.332	0.016	98	30246	0.2004	0.3286	
3 Dichlorodifluoromethane	85	4.439	4.423	0.016	99	58180	0.2004	0.2389	
4 Chlorodifluoromethane	51	4.488	4.466	0.022	96	38825	0.2004	0.2445	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.798	4.782	0.016	97	54356	0.2004	0.2327	
6 Chloromethane	50	4.921	4.894	0.027	99	23412	0.2004	0.2713	
7 Vinyl chloride	62	5.215	5.204	0.011	75	13130	0.2004	0.2322	
8 Butane	43	5.226	5.210	0.016	96	19298	0.2004	0.2871	
9 Butadiene	54	5.338	5.322	0.016	97	10349	0.2004	0.2417	M
10 Bromomethane	94	6.034	6.018	0.016	98	16926	0.2004	0.2373	
12 Chloroethane	64	6.306	6.285	0.021	98	9618	0.2004	0.2493	
13 2-Methylbutane	43	6.510	6.499	0.011	92	22251	0.2004	0.2567	M
14 Vinyl bromide	106	6.708	6.702	0.006	98	15669	0.2004	0.2385	
15 Trichlorofluoromethane	101	6.874	6.863	0.011	98	49251	0.2004	0.2377	
16 Pentane	43	7.082	7.072	0.010	96	39117	0.2004	0.3760	
17 Ethanol	45	7.280	7.216	0.064	99	26004	0.4009	1.08	
18 Ethyl ether	59	7.564	7.499	0.065	96	10132	0.2004	0.2391	
19 Acrolein	56	7.751	7.708	0.043	95	6253	0.2004	0.2846	
20 1,1-Dichloroethene	96	7.917	7.906	0.011	98	14231	0.2004	0.2254	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.954	7.949	0.005	95	29395	0.2004	0.2373	
22 Acetone	43	8.056	7.981	0.075	99	50535	0.2004	0.6245	
23 Isopropyl alcohol	45	8.361	8.297	0.064	98	29260	0.2004	0.3390	
24 Carbon disulfide	76	8.329	8.329	0.000	100	34130	0.2004	0.2400	
25 Acetonitrile	41	8.484	8.441	0.043	98	7560	0.2004	0.2637	
27 3-Chloro-1-propene	41	8.601	8.591	0.010	96	13820	0.2004	0.2309	
28 Methylene Chloride	49	8.821	8.810	0.011	89	13613	0.2004	0.2686	
29 2-Methyl-2-propanol	59	9.452	9.083	0.369	86	21527	0.2004	0.2022	M
30 Acrylonitrile	53	9.222	9.190	0.032	96	6643	0.2004	0.2337	
32 trans-1,2-Dichloroethene	61	9.324	9.318	0.006	96	17089	0.2004	0.2253	
31 Methyl tert-butyl ether	73	9.415	9.345	0.070	96	36370	0.2004	0.2273	
S 33 1,2-Dichloroethene, Total	61				0		0.4009	0.4485	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.832	9.827	0.005	90	17469	0.2004	0.2456	
36 1,1-Dichloroethane	63	10.073	10.067	0.006	99	20874	0.2004	0.2257	
35 Vinyl acetate	43	10.105	10.078	0.027	99	22373	0.2004	0.2142	
37 2-Butanone (MEK)	72	11.073	11.025	0.048	98	8036	0.2004	0.3400	
38 cis-1,2-Dichloroethene	96	11.046	11.046	0.000	94	13030	0.2004	0.2231	
39 Ethyl acetate	88	11.153	11.111	0.042	99	994	0.2004	0.2269	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	79	328268	10.0	10.0	
41 Tetrahydrofuran	42	11.576	11.528	0.048	86	11122	0.2004	0.2587	
42 Chloroform	83	11.629	11.629	0.000	96	28670	0.2004	0.2365	
43 1,1,1-Trichloroethane	97	11.945	11.950	-0.005	95	32462	0.2004	0.2267	
44 Cyclohexane	84	12.106	12.100	0.006	94	16771	0.2004	0.2351	
45 Carbon tetrachloride	117	12.239	12.234	0.005	98	33492	0.2004	0.2078	
46 Benzene	78	12.571	12.566	0.005	96	37798	0.2004	0.2370	
47 1,2-Dichloroethane	62	12.646	12.635	0.011	98	20808	0.2004	0.2327	
48 Isooctane	57	12.790	12.790	0.000	97	54312	0.2004	0.2369	
49 n-Heptane	43	13.101	13.095	0.006	87	19967	0.2004	0.2494	
* 50 1,4-Difluorobenzene	114	13.299	13.299	0.000	94	1664725	10.0	10.0	
51 n-Butanol	56	13.908	13.529	0.379	82	12165	0.2004	0.4589	M
52 Trichloroethene	95	13.732	13.732	0.000	98	17752	0.2004	0.2138	
55 1,2-Dichloropropane	63	14.181	14.181	0.000	72	13163	0.2004	0.2481	
56 Methyl methacrylate	69	14.278	14.262	0.016	82	11282	0.2004	0.2212	
58 Dibromomethane	174	14.336	14.336	0.000	93	17052	0.2004	0.2206	
57 1,4-Dioxane	88		14.342				ND	ND	
59 Dichlorobromomethane	83	14.647	14.641	0.006	100	27491	0.2004	0.2105	
60 cis-1,3-Dichloropropene	75	15.438	15.438	0.000	96	20727	0.2004	0.2067	
62 4-Methyl-2-pentanone (MIBK)	43	16.182	15.706	0.476	83	18692	0.2004	0.1969	M
63 Toluene	92	16.091	16.086	0.005	94	27934	0.2004	0.2334	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0		114512	NC	NC	
A 65 C8 Range	1	16.343	(16.268-16.417)	0		67491	NC	NC	
66 n-Octane	43	16.343	16.343	0.000	85	27607	0.2004	0.2520	
67 trans-1,3-Dichloropropene	75	16.492	16.487	0.005	98	17612	0.2004	0.1943	
68 1,1,2-Trichloroethane	83	16.867	16.861	0.006	97	12464	0.2004	0.2263	
69 Tetrachloroethene	166	17.081	17.081	0.000	95	27355	0.2004	0.2203	
70 2-Hexanone	43	17.498	17.375	0.123	41	160163	0.2004	2.04	Ma
71 Chlorodibromomethane	129	17.610	17.610	0.000	97	26904	0.2004	0.1999	
72 Ethylene Dibromide	107	17.851	17.851	0.000	99	23048	0.2004	0.2113	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	92	1494779	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	96	37984	0.2004	0.2239	
75 Ethylbenzene	91	19.007	19.007	0.000	98	60751	0.2004	0.2244	
76 m-Xylene & p-Xylene	106	19.274	19.269	0.005	0	47096	0.4009	0.4390	
77 n-Nonane	57	19.333	19.338	-0.005	84	24264	0.2004	0.2247	
S 78 Xylenes, Total	106				0		0.6013	0.6647	
79 o-Xylene	106	20.045	20.039	0.005	98	23671	0.2004	0.2257	
80 Styrene	104	20.071	20.077	-0.006	97	24223	0.2004	0.1611	
81 Bromoform	173	20.430	20.430	0.000	96	21350	0.2004	0.1606	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	72281	0.2004	0.2233	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	97	30675	0.2004	0.2214	
84 1,2,3-Trichloropropane	75	21.350	21.345	0.005	95	28658	0.2004	0.2404	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	77932	0.2004	0.2119	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	51236	0.2004	0.2160	
87 4-Ethyltoluene	105	21.655	21.655	0.000	98	64118	0.2004	0.2033	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	92	61674	0.2004	0.2219	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.783	21.783	0.000	93	28421	0.2004	0.2060	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	92	18478	0.2004	0.1466	
91 tert-Butylbenzene	119	22.233	22.233	0.000	92	64191	0.2004	0.2290	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	58596	0.2004	0.2120	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	89613	0.2004	0.2259	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	98	35616	0.2004	0.1882	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	77549	0.2004	0.2202	
96 1,4-Dichlorobenzene	146	22.875	22.875	-0.001	95	32666	0.2004	0.1733	
97 Benzyl chloride	91	23.014	23.014	0.000	98	14139	0.2004	0.1107	
98 n-Butylbenzene	91	23.329	23.329	0.000	97	59464	0.2004	0.1961	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	38763	0.2004	0.2100	
100 Undecane	57	23.479	23.479	0.000	91	24795	0.2004	0.1607	
101 Dodecane	57	25.052	25.052	0.000	93	16182	0.2004	0.1049	
102 1,2,4-Trichlorobenzene	180	25.779	25.779	0.000	94	25573	0.2004	0.1402	
103 Hexachlorobutadiene	225	26.025	26.026	-0.001	98	43402	0.2004	0.2144	
104 Naphthalene	128	26.256	26.250	0.006	99	39949	0.2004	0.1110	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	93	26252	0.2004	0.1646	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ATTO15CAL1w_00246

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-05.D

Injection Date: 04-Oct-2022 18:43:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

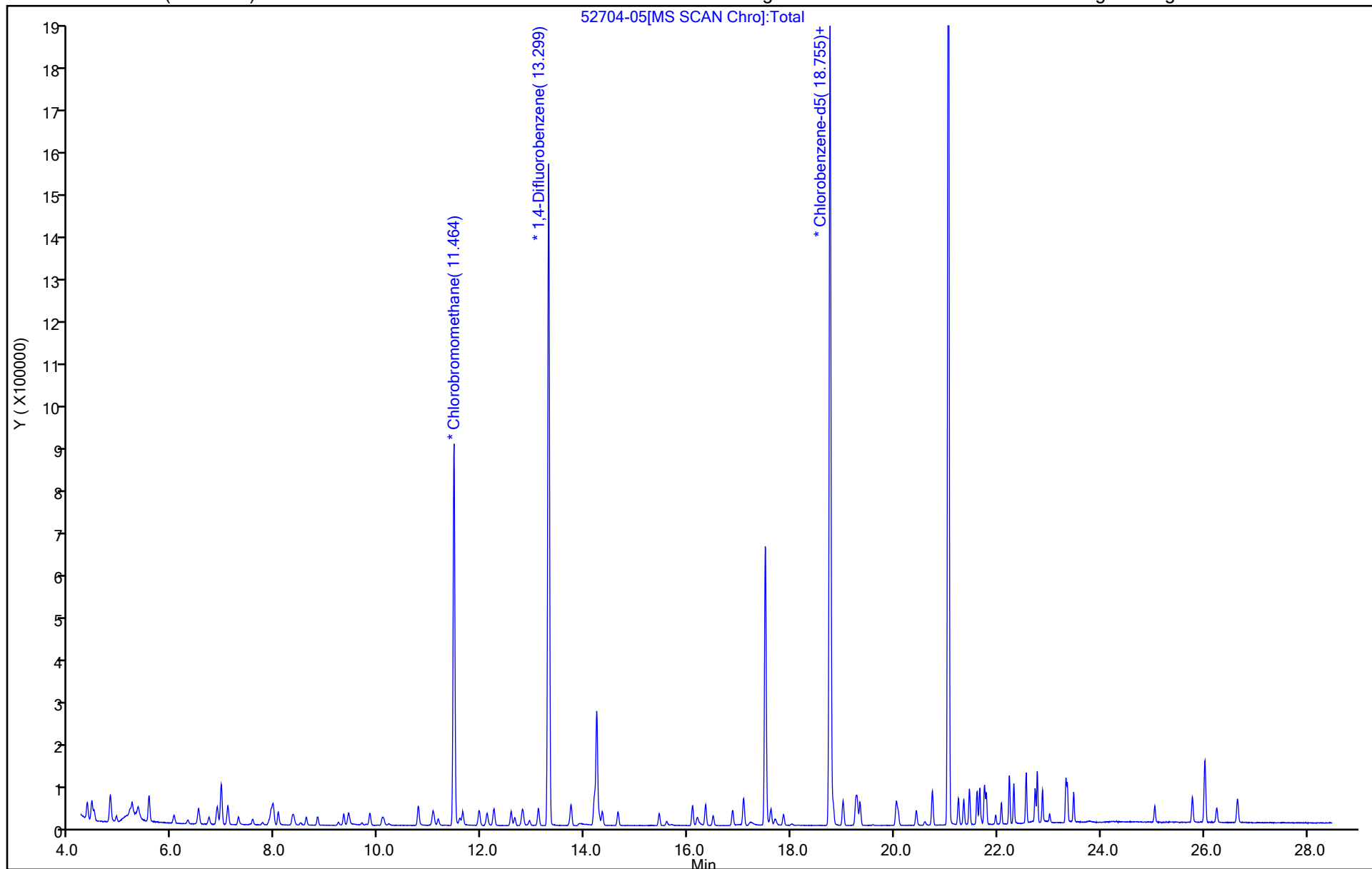
ALS Bottle#: 5

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

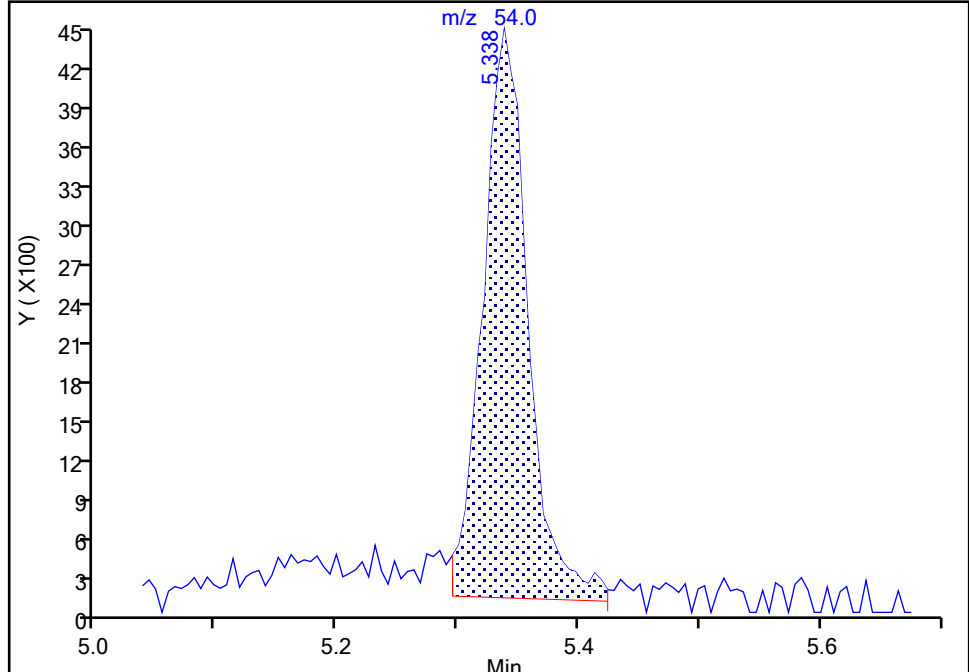
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Injection Date: 04-Oct-2022 18:43:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

9 Butadiene, CAS: 106-99-0

Signal: 1

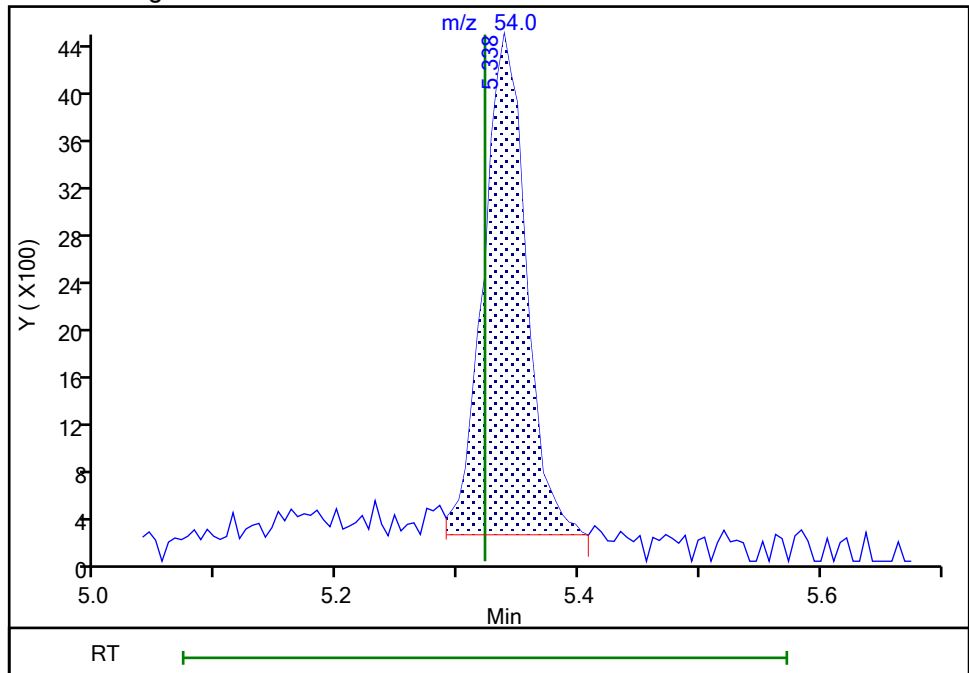
RT: 5.34
Area: 11271
Amount: 0.229485
Amount Units: ppb v/v

Processing Integration Results



RT: 5.34
Area: 10349
Amount: 0.241700
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 09:48:35
Audit Action: Manually Integrated

Audit Reason: Assign Peak
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10/20/2022

Eurofins Burlington

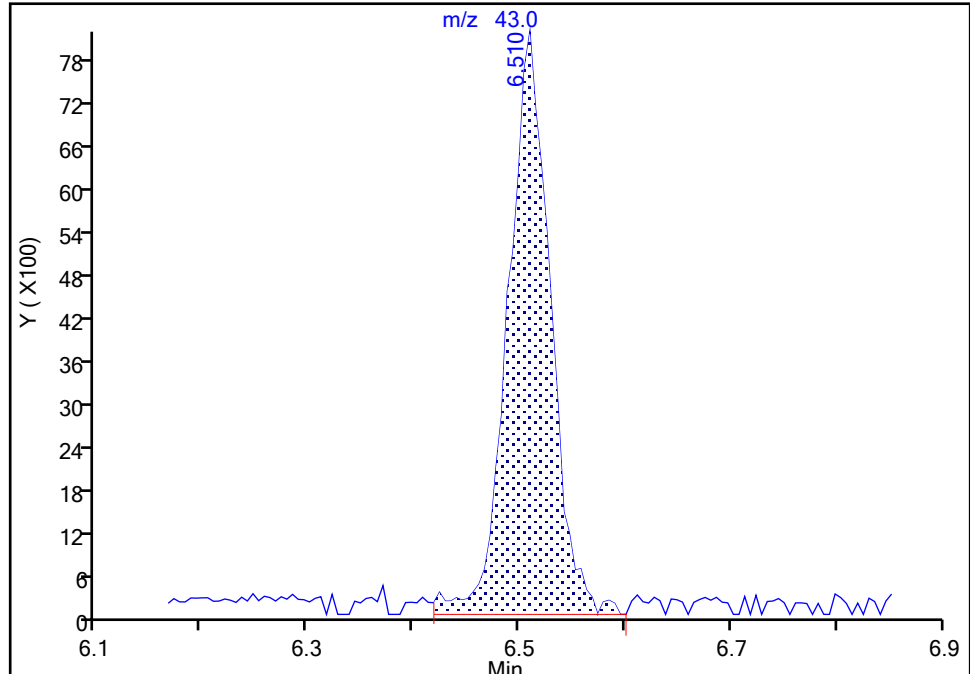
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Injection Date: 04-Oct-2022 18:43:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

13 2-Methylbutane, CAS: 78-78-4

Signal: 1

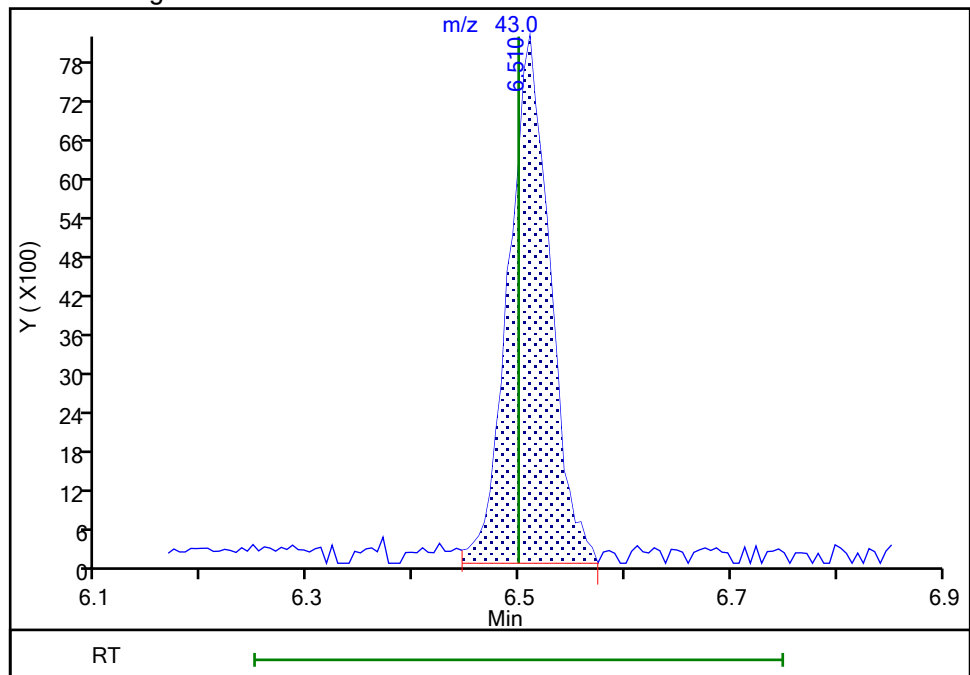
RT: 6.51
Area: 22761
Amount: 0.208911
Amount Units: ppb v/v

Processing Integration Results



RT: 6.51
Area: 22251
Amount: 0.256714
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 09:48:53

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

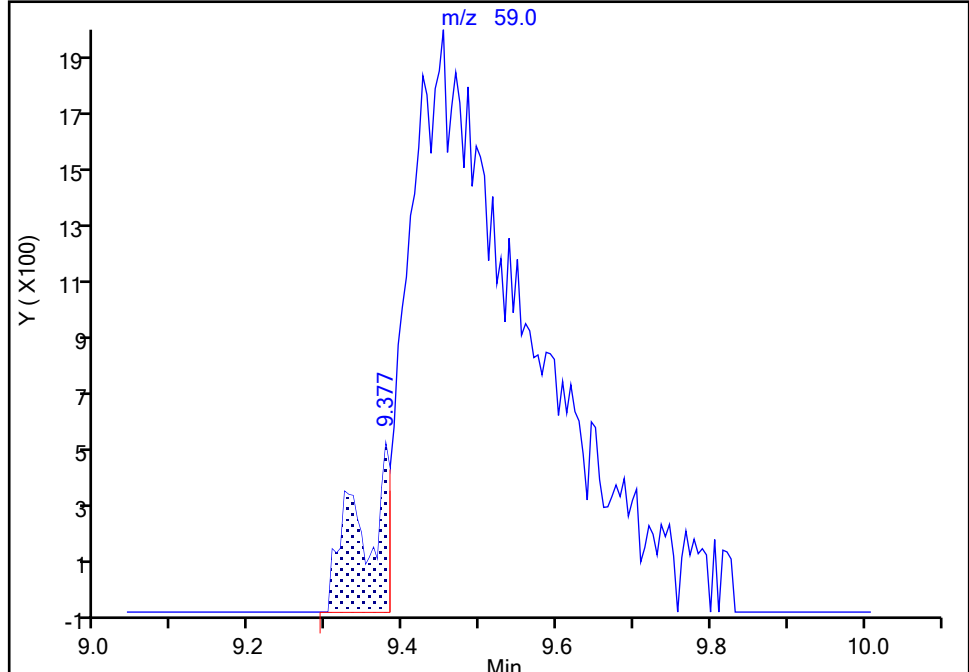
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Injection Date: 04-Oct-2022 18:43:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

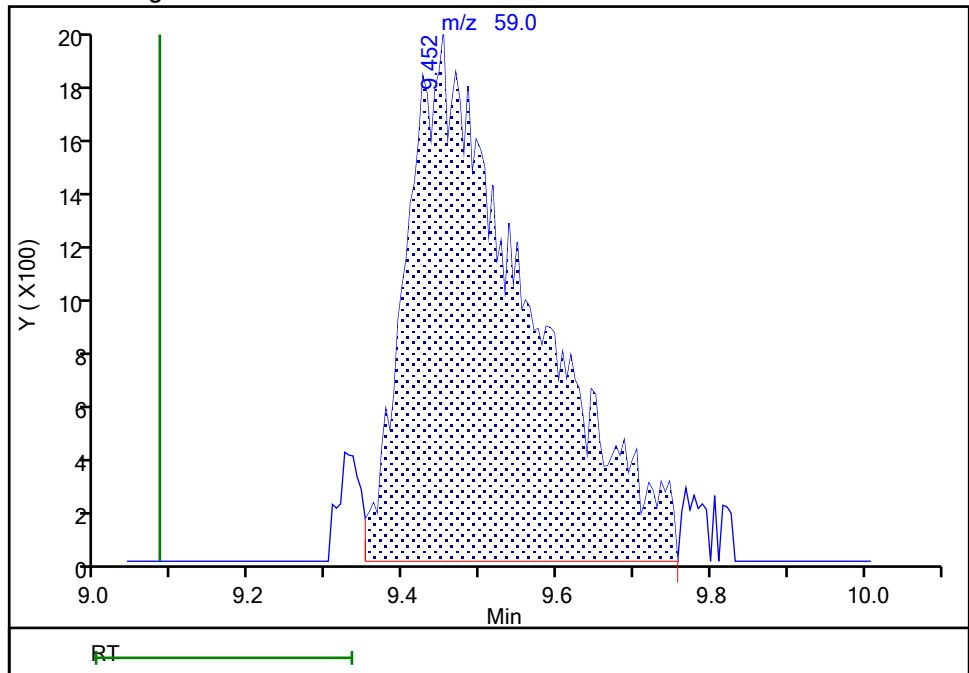
RT: 9.38
Area: 1488
Amount: 0.019856
Amount Units: ppb v/v

Processing Integration Results



RT: 9.45
Area: 21527
Amount: 0.202181
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 09:50:51

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

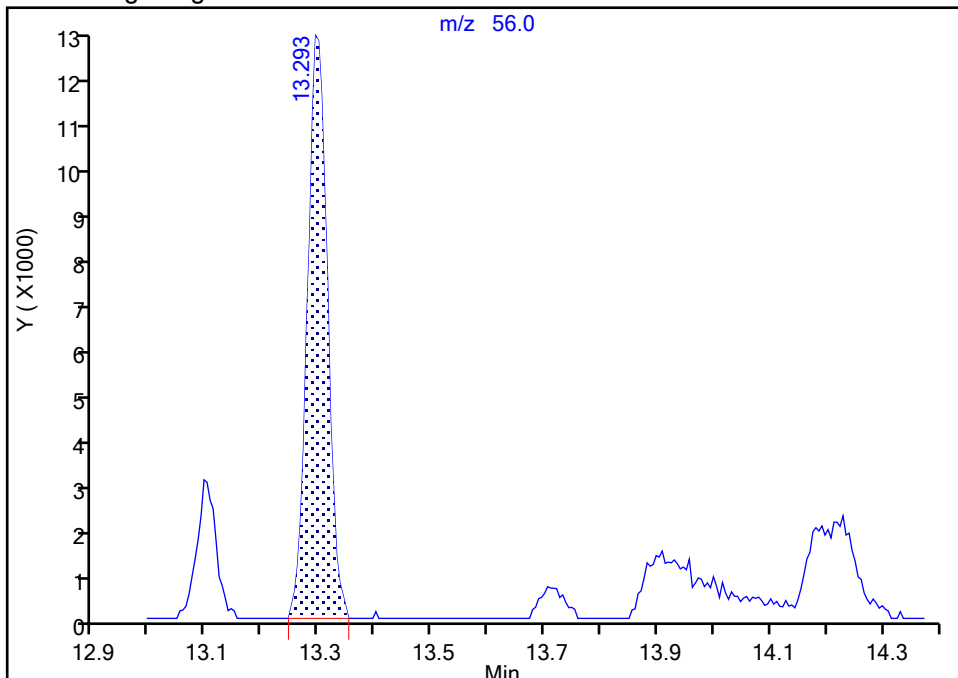
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Injection Date: 04-Oct-2022 18:43:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

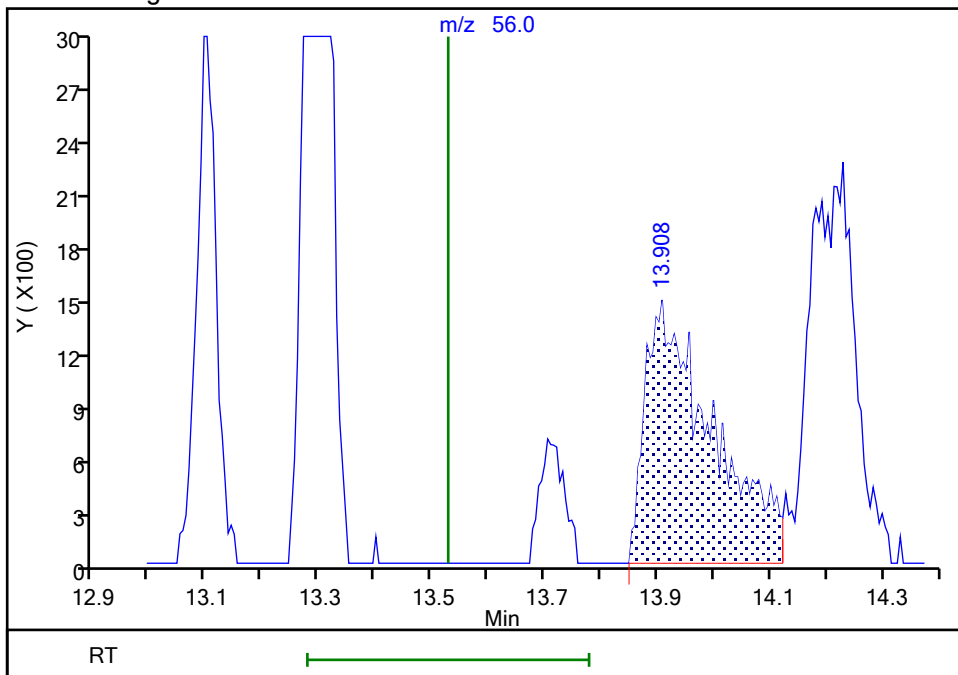
RT: 13.29
Area: 31834
Amount: 0.136078
Amount Units: ppb v/v

Processing Integration Results



RT: 13.91
Area: 12165
Amount: 0.458925
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 09:55:44

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-05.D

Injection Date: 04-Oct-2022 18:43:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

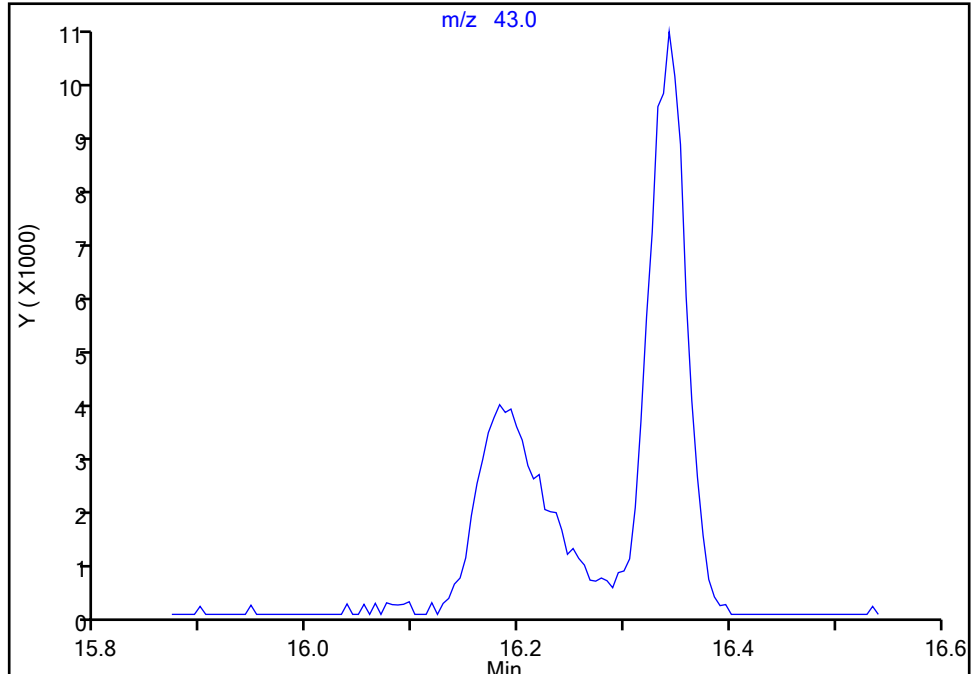
62 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

Not Detected

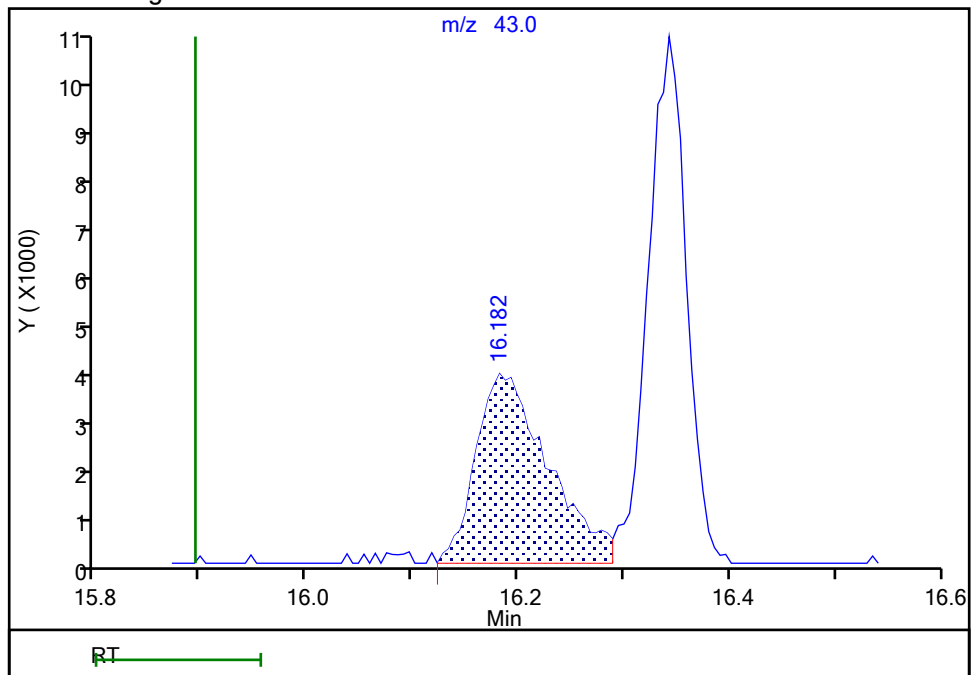
Expected RT: 15.71

Processing Integration Results



Manual Integration Results

RT: 16.18
Area: 18692
Amount: 0.196852
Amount Units: ppb v/v



Reviewer: bunmaa, 05-Oct-2022 14:30:13

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-06.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 04-Oct-2022 19:36:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-006
 Misc. Info.: ic-03
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:02 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: bunmaa

Date: 05-Oct-2022 10:10:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.343	4.332	0.011	98	61772	0.5005	0.6456	
3 Dichlorodifluoromethane	85	4.429	4.423	0.006	100	145144	0.5005	0.5734	
4 Chlorodifluoromethane	51	4.477	4.466	0.011	97	97249	0.5005	0.5891	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.782	0.005	96	133891	0.5005	0.5515	
6 Chloromethane	50	4.905	4.894	0.011	99	52397	0.5005	0.5842	
7 Vinyl chloride	62	5.210	5.204	0.006	75	32470	0.5005	0.5525	
8 Butane	43	5.215	5.210	0.005	97	47261	0.5005	0.6763	
9 Butadiene	54	5.328	5.322	0.006	95	23952	0.5005	0.5382	
10 Bromomethane	94	6.028	6.018	0.010	98	41594	0.5005	0.5609	
12 Chloroethane	64	6.291	6.285	0.006	100	23865	0.5005	0.5951	
13 2-Methylbutane	43	6.510	6.499	0.011	92	54713	0.5005	0.6073	
14 Vinyl bromide	106	6.703	6.702	0.001	98	37627	0.5005	0.5510	
15 Trichlorofluoromethane	101	6.868	6.863	0.005	99	122618	0.5005	0.5693	
16 Pentane	43	7.072	7.072	0.000	96	68696	0.5005	0.6353	
17 Ethanol	45	7.270	7.216	0.054	99	132811	5.01	5.30	
18 Ethyl ether	59	7.553	7.499	0.054	91	24285	0.5005	0.5514	
19 Acrolein	56	7.740	7.708	0.032	97	13867	0.5005	0.6071	
20 1,1-Dichloroethene	96	7.906	7.906	0.000	97	34455	0.5005	0.5249	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.949	7.949	0.000	97	74178	0.5005	0.5761	
22 Acetone	43	8.051	7.981	0.070	99	56471	0.5005	0.6714	
23 Isopropyl alcohol	45	8.366	8.297	0.069	98	55961	0.5005	0.6237	
24 Carbon disulfide	76	8.329	8.329	0.000	100	84249	0.5005	0.5700	
25 Acetonitrile	41	8.479	8.441	0.038	99	17530	0.5005	0.5883	
27 3-Chloro-1-propene	41	8.596	8.591	0.005	96	35076	0.5005	0.5638	
28 Methylene Chloride	49	8.810	8.810	0.000	88	32022	0.5005	0.6079	
29 2-Methyl-2-propanol	59	9.335	9.083	0.252	86	56211	0.5005	0.5079	M
30 Acrylonitrile	53	9.212	9.190	0.022	94	16333	0.5005	0.5527	
32 trans-1,2-Dichloroethene	61	9.324	9.318	0.006	97	42380	0.5005	0.5376	
31 Methyl tert-butyl ether	73	9.420	9.345	0.075	96	91290	0.5005	0.5489	
S 33 1,2-Dichloroethene, Total	61				0		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
34 Hexane	57	9.832	9.827	0.005	90	42958	0.5005	0.5810	
36 1,1-Dichloroethane	63	10.073	10.067	0.006	99	51791	0.5005	0.5387	
35 Vinyl acetate	43	10.100	10.078	0.022	99	59281	0.5005	0.5460	
37 2-Butanone (MEK)	72	11.079	11.025	0.054	99	13226	0.5005	0.5384	
38 cis-1,2-Dichloroethene	96	11.047	11.046	0.000	93	31756	0.5005	0.5232	
39 Ethyl acetate	88	11.159	11.111	0.048	100	2505	0.5005	0.5502	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	79	341213	10.0	10.0	
41 Tetrahydrofuran	42	11.576	11.528	0.048	87	27028	0.5005	0.6083	
42 Chloroform	83	11.635	11.629	0.006	97	71044	0.5005	0.5638	
43 1,1,1-Trichloroethane	97	11.945	11.950	-0.005	94	82167	0.5005	0.5552	
44 Cyclohexane	84	12.100	12.100	0.000	94	41475	0.5005	0.5625	
45 Carbon tetrachloride	117	12.234	12.234	0.000	98	85703	0.5005	0.5145	
46 Benzene	78	12.571	12.566	0.005	96	94884	0.5005	0.5755	
47 1,2-Dichloroethane	62	12.641	12.635	0.006	98	53002	0.5005	0.5735	
48 Isooctane	57	12.796	12.790	0.006	97	135304	0.5005	0.5710	
49 n-Heptane	43	13.095	13.095	0.000	87	47990	0.5005	0.5799	
* 50 1,4-Difluorobenzene	114	13.299	13.299	0.000	94	1720508	10.0	10.0	
51 n-Butanol	56	13.887	13.529	0.358	87	11303	0.5005	0.4126	M
52 Trichloroethene	95	13.732	13.732	0.000	98	44771	0.5005	0.5218	
55 1,2-Dichloropropane	63	14.187	14.181	0.006	68	31508	0.5005	0.5746	
56 Methyl methacrylate	69	14.283	14.262	0.021	94	25490	0.5005	0.4835	
58 Dibromomethane	174	14.342	14.336	0.006	94	43115	0.5005	0.5397	
57 1,4-Dioxane	88		14.342				ND	ND	
59 Dichlorobromomethane	83	14.642	14.641	0.001	98	70139	0.5005	0.5197	
60 cis-1,3-Dichloropropene	75	15.439	15.438	0.001	96	54792	0.5005	0.5288	
62 4-Methyl-2-pentanone (MIBK)	43	16.102	15.706	0.396	41	42918	0.5005	0.4373	M
63 Toluene	92	16.086	16.086	0.000	94	70151	0.5005	0.5685	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0		345701	NC	NC	
A 65 C8 Range	1	16.343	(16.268-16.417)	0		289703	NC	NC	
66 n-Octane	43	16.343	16.343	0.000	86	64681	0.5005	0.5712	
67 trans-1,3-Dichloropropene	75	16.487	16.487	0.000	98	47819	0.5005	0.5105	
68 1,1,2-Trichloroethane	83	16.862	16.861	0.001	98	31512	0.5005	0.5550	
69 Tetrachloroethene	166	17.081	17.081	0.000	96	67888	0.5005	0.5302	
70 2-Hexanone	43	17.664	17.375	0.289	96	37204	0.5005	0.4591	M
71 Chlorodibromomethane	129	17.605	17.610	-0.005	98	65476	0.5005	0.4719	
72 Ethylene Dibromide	107	17.851	17.851	0.000	99	59294	0.5005	0.5272	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	89	1541160	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	95	99699	0.5005	0.5700	
75 Ethylbenzene	91	19.007	19.007	0.000	98	157308	0.5005	0.5636	
76 m-Xylene & p-Xylene	106	19.269	19.269	0.000	0	125355	1.00	1.13	
77 n-Nonane	57	19.333	19.338	-0.005	83	65365	0.5005	0.5871	
S 78 Xylenes, Total	106				0		1.50	1.69	
79 o-Xylene	106	20.039	20.039	0.000	98	60608	0.5005	0.5605	
80 Styrene	104	20.077	20.077	0.000	99	78517	0.5005	0.5064	
81 Bromoform	173	20.430	20.430	0.000	97	59325	0.5005	0.4330	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	186257	0.5005	0.5580	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	98	78563	0.5005	0.5500	
84 1,2,3-Trichloropropane	75	21.345	21.345	0.000	96	70563	0.5005	0.5741	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	215444	0.5005	0.5682	
86 2-Chlorotoluene	91	21.601	21.607	-0.006	97	140142	0.5005	0.5731	
87 4-Ethyltoluene	105	21.655	21.655	0.000	99	185199	0.5005	0.5696	
88 1,3,5-Trimethylbenzene	105	21.746	21.751	-0.005	93	162023	0.5005	0.5654	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.783	21.783	0.000	94	85823	0.5005	0.6033	
90 Alpha Methyl Styrene	118	22.078	22.077	0.001	89	60537	0.5005	0.4659	
91 tert-Butylbenzene	119	22.233	22.233	0.000	94	165051	0.5005	0.5710	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	161866	0.5005	0.5680	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	235566	0.5005	0.5759	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	98	111987	0.5005	0.5738	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	202769	0.5005	0.5585	
96 1,4-Dichlorobenzene	146	22.875	22.875	0.000	95	112368	0.5005	0.5781	
97 Benzyl chloride	91	23.014	23.014	0.000	98	46640	0.5005	0.3541	
98 n-Butylbenzene	91	23.329	23.329	0.000	98	182007	0.5005	0.5821	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	95	110877	0.5005	0.5827	
100 Undecane	57	23.479	23.479	0.000	92	97878	0.5005	0.6154	
101 Dodecane	57	25.052	25.052	0.000	96	87629	0.5005	0.5511	
102 1,2,4-Trichlorobenzene	180	25.780	25.779	0.001	94	99968	0.5005	0.5317	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	98	110076	0.5005	0.5273	
104 Naphthalene	128	26.250	26.250	0.000	99	194130	0.5005	0.5230	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	87693	0.5005	0.5333	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00323

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-06.D

Injection Date: 04-Oct-2022 19:36:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

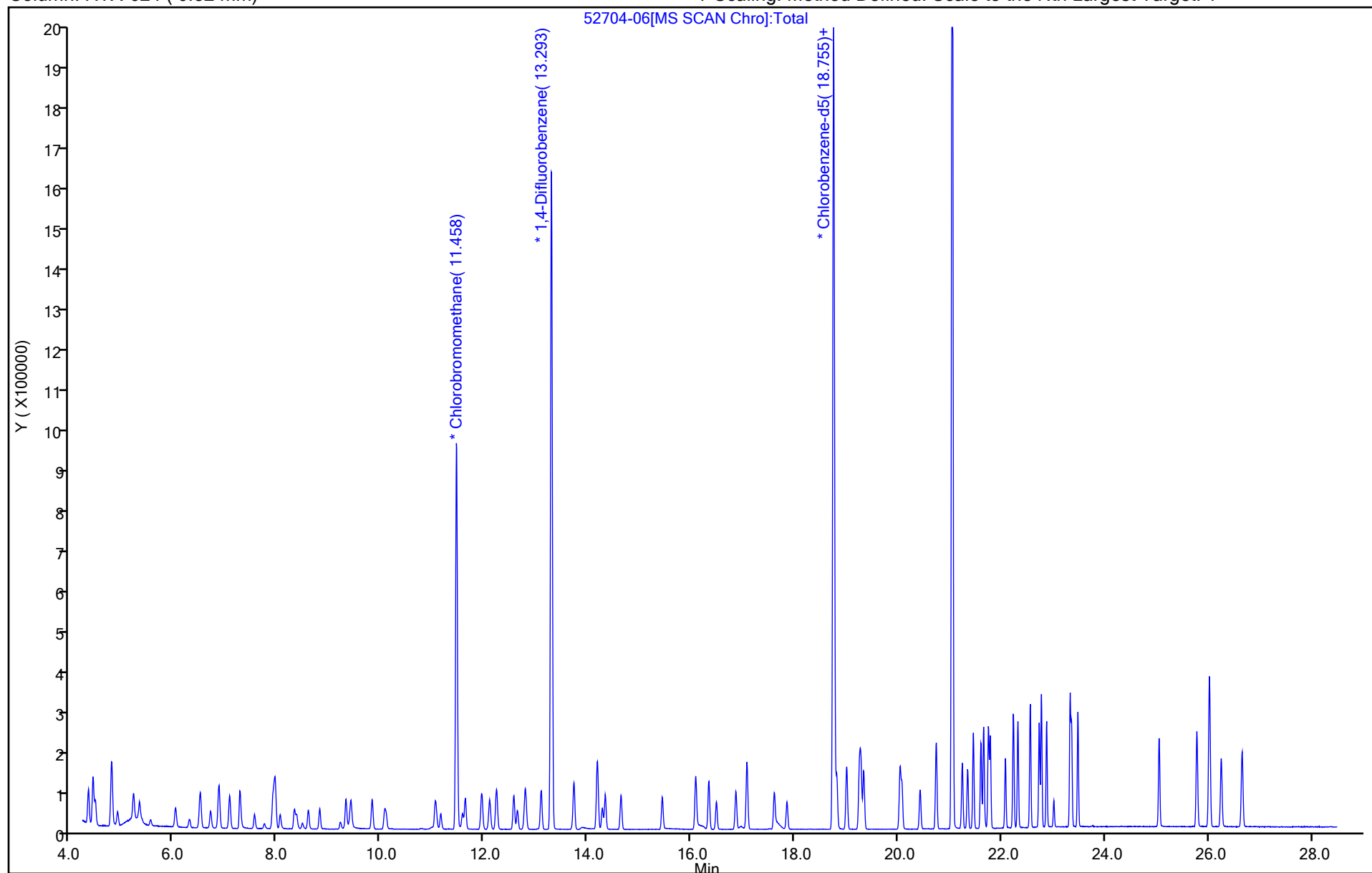
ALS Bottle#: 6

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

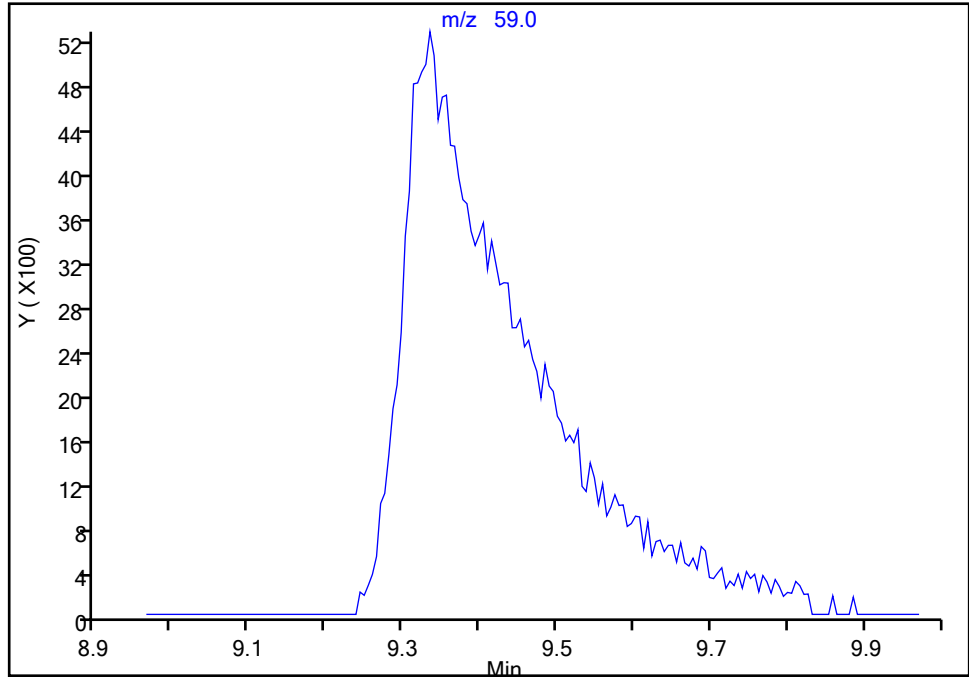
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Injection Date: 04-Oct-2022 19:36:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

29 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

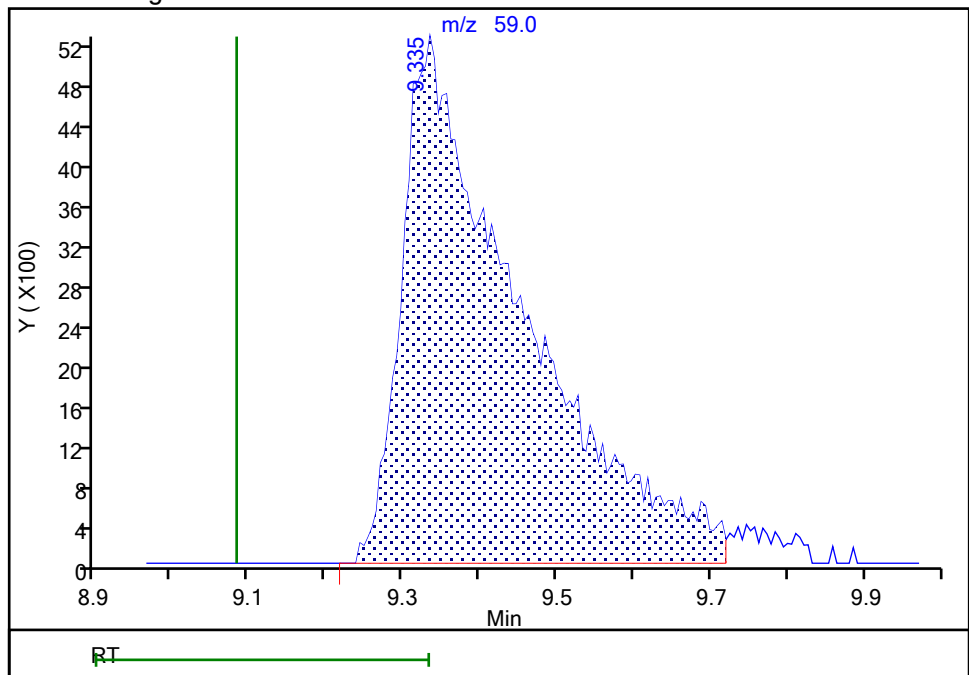
Not Detected
Expected RT: 9.08

Processing Integration Results



RT: 9.33
Area: 56211
Amount: 0.507904
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 10:04:24

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-06.D

Injection Date: 04-Oct-2022 19:36:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

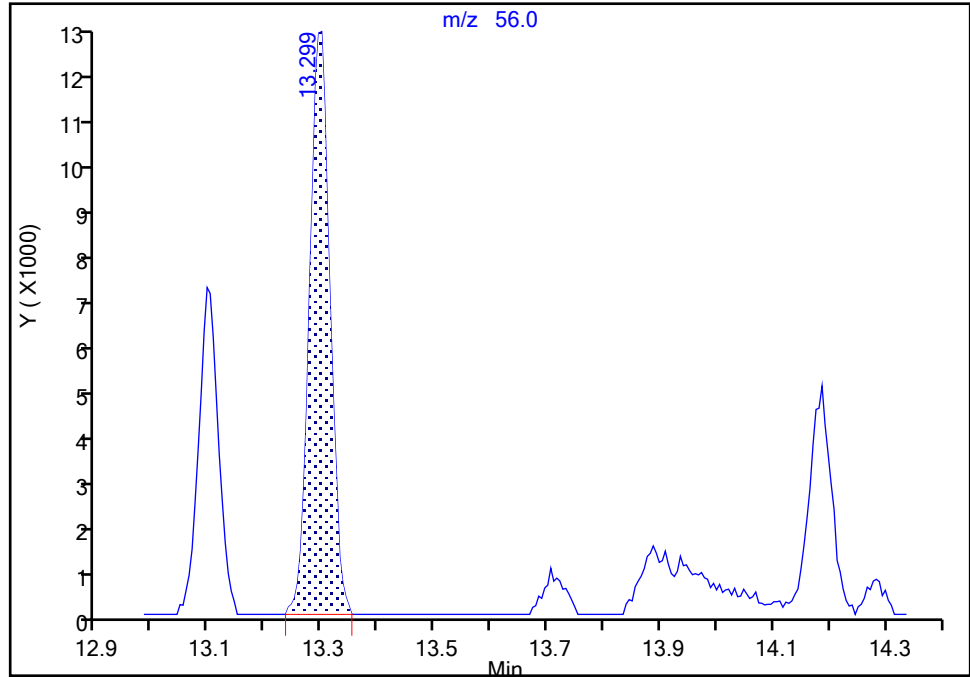
Detector: MS SCAN

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

Signal: 1

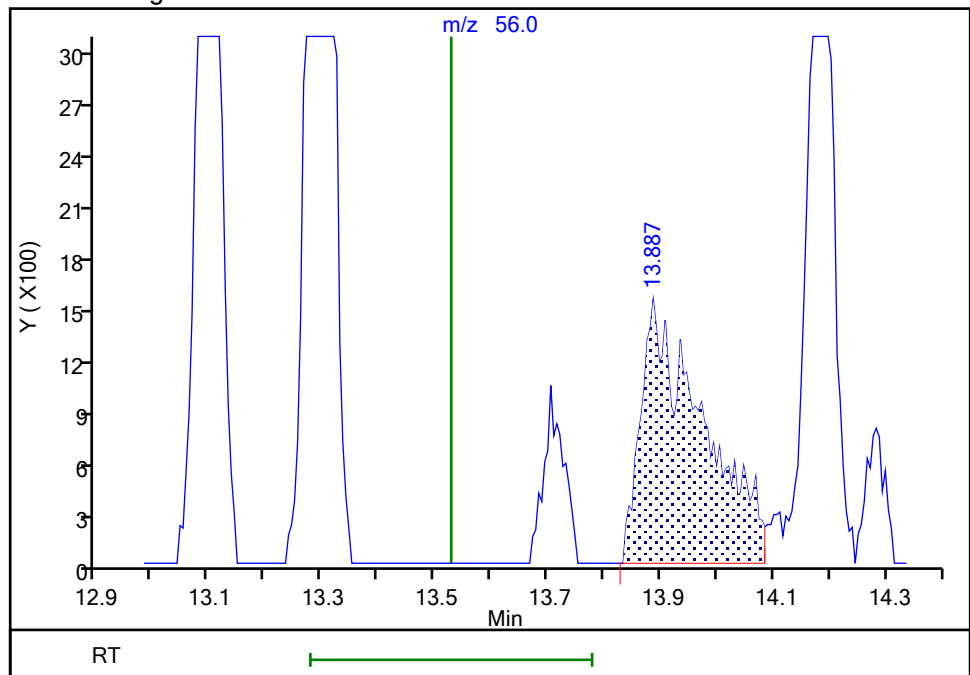
RT: 13.30
Area: 32140
Amount: 0.145105
Amount Units: ppb v/v

Processing Integration Results



RT: 13.89
Area: 11303
Amount: 0.412581
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 10:06:26

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-06.D

Injection Date: 04-Oct-2022 19:36:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

MS SCAN

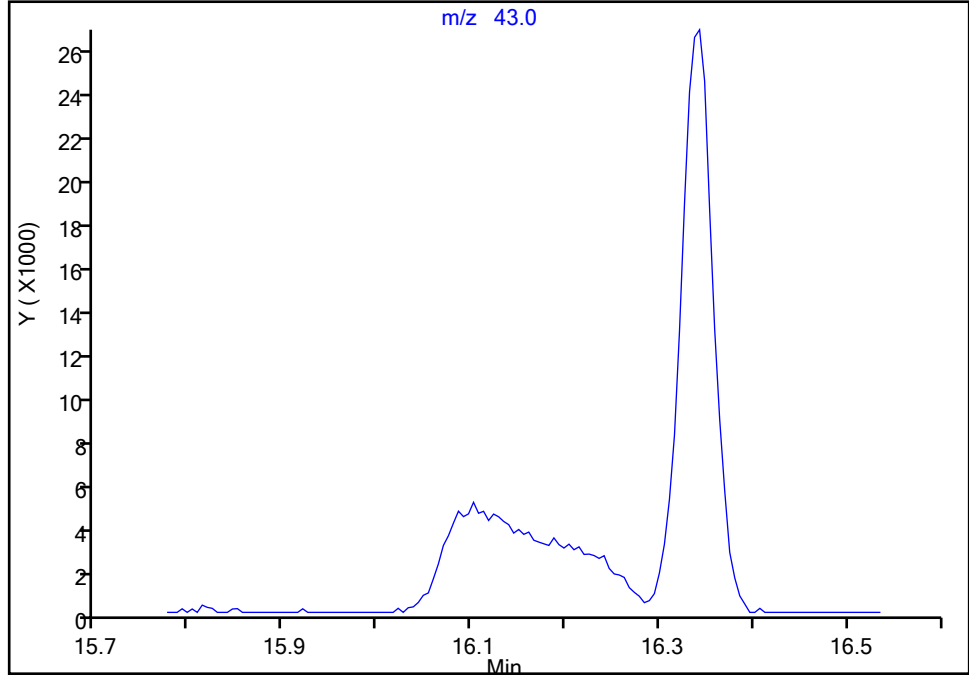
62 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

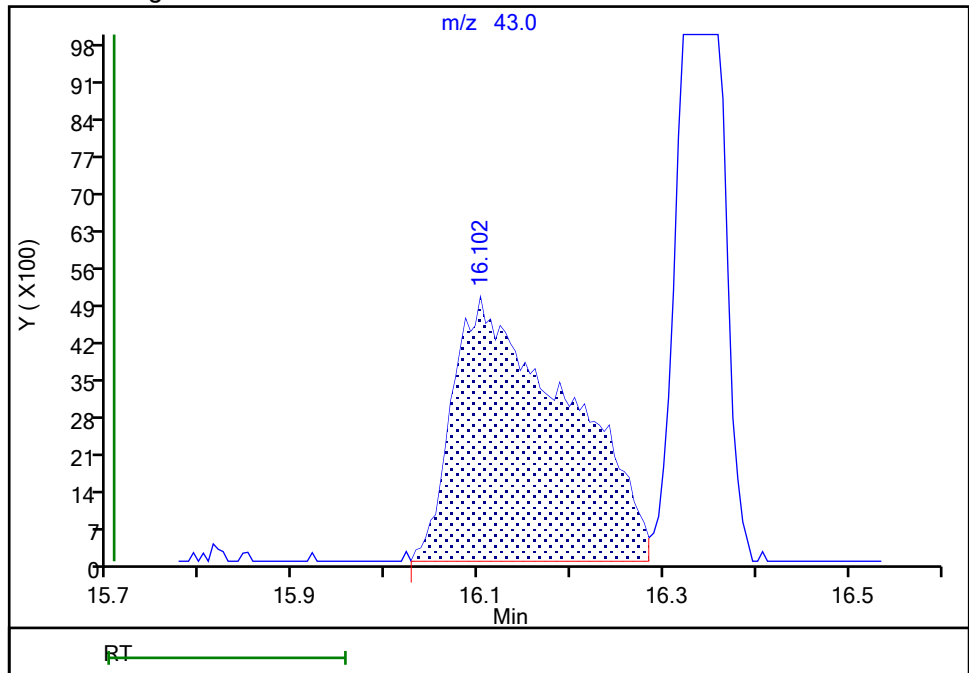
Not Detected

Expected RT: 15.71

Processing Integration Results



Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 14:27:53

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

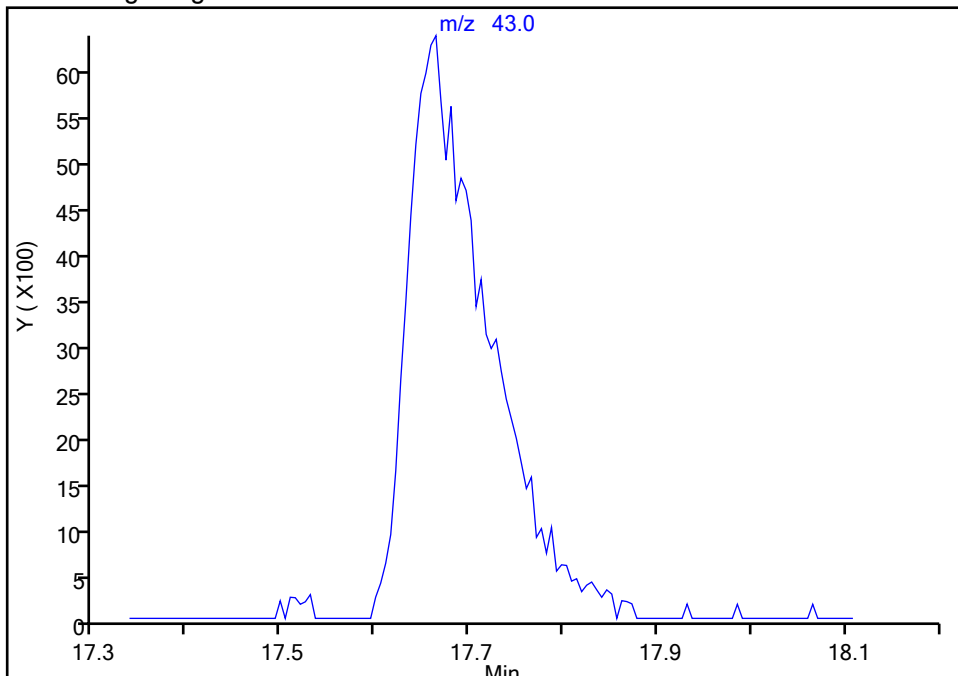
Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-06.D
Injection Date: 04-Oct-2022 19:36:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

70 2-Hexanone, CAS: 591-78-6

Signal: 1

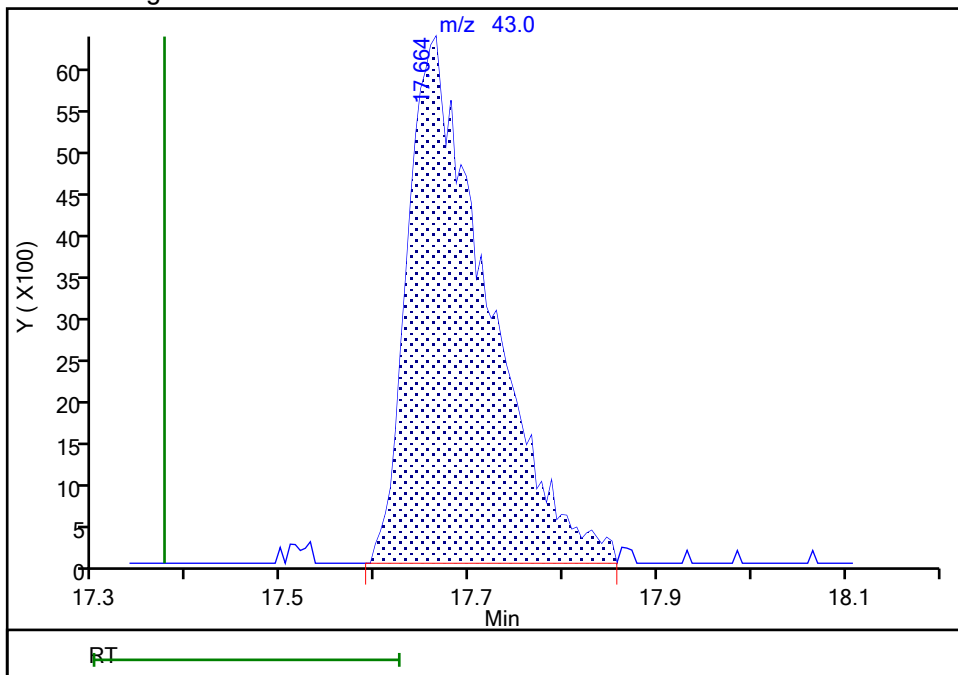
Not Detected
Expected RT: 17.38

Processing Integration Results



RT: 17.66
Area: 37204
Amount: 0.459141
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 10:08:29
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 183 of 450

10/20/2022

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-07.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 04-Oct-2022 20:28:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-007
 Misc. Info.: ic-04
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:04 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: V0FK

Date: 05-Oct-2022 08:04:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.338	4.332	0.006	99	506816	4.99	5.26	
3 Dichlorodifluoromethane	85	4.429	4.423	0.006	100	1259354	4.99	4.94	
4 Chlorodifluoromethane	51	4.472	4.466	0.006	99	844337	4.99	5.08	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.782	0.005	96	1179431	4.99	4.83	
6 Chloromethane	50	4.900	4.894	0.006	99	453787	4.99	5.03	
7 Vinyl chloride	62	5.210	5.204	0.006	98	265087	4.99	4.48	
8 Butane	43	5.215	5.210	0.005	97	362425	4.99	5.15	
9 Butadiene	54	5.322	5.322	0.000	95	199927	4.99	4.46	
10 Bromomethane	94	6.023	6.018	0.005	98	360597	4.99	4.83	
12 Chloroethane	64	6.290	6.285	0.005	100	204050	4.99	5.05	
13 2-Methylbutane	43	6.504	6.499	0.005	92	448557	4.99	4.95	
14 Vinyl bromide	106	6.702	6.702	0.000	98	333056	4.99	4.84	
15 Trichlorofluoromethane	101	6.868	6.863	0.005	99	1075689	4.99	4.96	
16 Pentane	43	7.072	7.072	0.000	96	562216	4.99	5.16	
17 Ethanol	45	7.243	7.216	0.027	99	264605	10.0	10.5	
18 Ethyl ether	59	7.521	7.499	0.022	96	218301	4.99	4.92	
19 Acrolein	56	7.719	7.708	0.011	96	116753	4.99	5.08	
20 1,1-Dichloroethene	96	7.911	7.906	0.005	97	298524	4.99	4.52	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.949	7.949	0.000	97	641102	4.99	4.95	
22 Acetone	43	8.008	7.981	0.027	99	447815	4.99	5.29	
23 Isopropyl alcohol	45	8.323	8.297	0.026	99	450655	4.99	4.99	
24 Carbon disulfide	76	8.329	8.329	0.000	100	751411	4.99	5.05	
25 Acetonitrile	41	8.457	8.441	0.016	98	154450	4.99	5.15	
27 3-Chloro-1-propene	41	8.596	8.591	0.005	96	310339	4.99	4.95	
28 Methylene Chloride	49	8.816	8.810	0.006	91	268320	4.99	5.06	
29 2-Methyl-2-propanol	59	9.126	9.083	0.043	95	547247	4.99	4.91	
30 Acrylonitrile	53	9.195	9.190	0.005	93	146408	4.99	4.92	
32 trans-1,2-Dichloroethene	61	9.318	9.318	0.000	98	372804	4.99	4.70	
31 Methyl tert-butyl ether	73	9.367	9.345	0.022	95	834987	4.99	4.99	
S 33 1,2-Dichloroethene, Total	61				0		9.99	9.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.827	9.827	0.000	90	363804	4.99	4.89	
36 1,1-Dichloroethane	63	10.073	10.067	0.006	100	445692	4.99	4.61	
35 Vinyl acetate	43	10.083	10.078	0.005	100	568335	4.99	5.20	
37 2-Butanone (MEK)	72	11.041	11.025	0.016	99	121875	4.99	4.93	
38 cis-1,2-Dichloroethene	96	11.046	11.046	0.000	93	276831	4.99	4.53	
39 Ethyl acetate	88	11.127	11.111	0.016	99	23283	4.99	5.08	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	80	343509	10.0	10.0	
41 Tetrahydrofuran	42	11.549	11.528	0.021	87	227374	4.99	5.15	
42 Chloroform	83	11.629	11.629	0.000	97	620805	4.99	4.89	
43 1,1,1-Trichloroethane	97	11.950	11.950	0.000	95	730378	4.99	4.96	
44 Cyclohexane	84	12.100	12.100	0.000	95	359291	4.99	4.90	
45 Carbon tetrachloride	117	12.234	12.234	0.000	99	786087	4.99	4.75	
46 Benzene	78	12.571	12.566	0.005	96	803624	4.99	4.90	
47 1,2-Dichloroethane	62	12.635	12.635	0.000	99	452281	4.99	4.92	
48 Isooctane	57	12.790	12.790	0.000	97	1169924	4.99	4.97	
49 n-Heptane	43	13.095	13.095	0.000	88	403557	4.99	4.91	
* 50 1,4-Difluorobenzene	114	13.299	13.299	0.000	94	1710168	10.0	10.0	
51 n-Butanol	56	13.598	13.529	0.069	90	126526	4.99	4.65	
52 Trichloroethene	95	13.732	13.732	0.000	99	398791	4.99	4.68	
55 1,2-Dichloropropane	63	14.181	14.181	0.000	73	269763	4.99	4.95	
56 Methyl methacrylate	69	14.272	14.262	0.010	94	259733	4.99	4.96	
58 Dibromomethane	174	14.342	14.336	0.006	94	389529	4.99	4.91	
57 1,4-Dioxane	88	14.385	14.342	0.043	91	136377	4.99	4.49	M
59 Dichlorobromomethane	83	14.641	14.641	0.000	99	674318	4.99	5.03	
60 cis-1,3-Dichloropropene	75	15.438	15.438	0.000	96	516917	4.99	5.02	
62 4-Methyl-2-pentanone (MIBK)	43	15.754	15.706	0.048	96	501950	4.99	5.15	M
63 Toluene	92	16.086	16.086	0.000	94	614511	4.99	4.94	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0	0	2450790	NC	NC	
A 65 C8 Range	1	16.343	(16.268-16.417)	0	0	2457154	NC	NC	
66 n-Octane	43	16.343	16.343	0.000	86	560885	4.99	4.98	
67 trans-1,3-Dichloropropene	75	16.487	16.487	0.000	98	470010	4.99	5.05	
68 1,1,2-Trichloroethane	83	16.867	16.861	0.006	98	282213	4.99	4.93	
69 Tetrachloroethene	166	17.081	17.081	0.000	96	602400	4.99	4.67	
70 2-Hexanone	43	17.461	17.375	0.086	96	362688	4.99	4.44	
71 Chlorodibromomethane	129	17.610	17.610	0.000	98	707384	4.99	5.06	
72 Ethylene Dibromide	107	17.851	17.851	0.000	99	570115	4.99	5.03	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	1552356	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	94	867222	4.99	4.92	
75 Ethylbenzene	91	19.007	19.007	0.000	98	1406828	4.99	5.00	
76 m-Xylene & p-Xylene	106	19.269	19.269	0.000	0	1121407	9.99	10.1	
77 n-Nonane	57	19.338	19.338	0.000	84	569370	4.99	5.08	
S 78 Xylenes, Total	106				0		15.0	15.1	
79 o-Xylene	106	20.039	20.039	0.000	99	544507	4.99	5.00	
80 Styrene	104	20.077	20.077	0.000	99	823877	4.99	5.27	
81 Bromoform	173	20.430	20.430	0.000	97	715035	4.99	5.18	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	1684030	4.99	5.01	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	99	721637	4.99	5.02	
84 1,2,3-Trichloropropane	75	21.345	21.345	0.000	96	632214	4.99	5.11	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	1947991	4.99	5.10	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	1244619	4.99	5.05	
87 4-Ethyltoluene	105	21.655	21.655	0.000	99	1669923	4.99	5.10	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	1447151	4.99	5.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.783	21.783	0.000	94	751225	4.99	5.24	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	90	705337	4.99	5.39	
91 tert-Butylbenzene	119	22.233	22.233	0.000	94	1455601	4.99	5.00	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	1450451	4.99	5.05	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	2081795	4.99	5.05	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	99	1000852	4.99	5.09	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	1848567	4.99	5.05	
96 1,4-Dichlorobenzene	146	22.875	22.875	0.000	95	1007840	4.99	5.15	
97 Benzyl chloride	91	23.014	23.014	0.000	98	718929	4.99	5.42	
98 n-Butylbenzene	91	23.329	23.329	0.000	98	1650403	4.99	5.24	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	960906	4.99	5.01	
100 Undecane	57	23.479	23.479	0.000	92	883215	4.99	5.51	
101 Dodecane	57	25.052	25.052	0.000	95	844682	4.99	5.27	
102 1,2,4-Trichlorobenzene	180	25.779	25.779	0.000	94	928753	4.99	4.90	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	98	1042332	4.99	4.96	
104 Naphthalene	128	26.250	26.250	0.000	99	1789823	4.99	4.79	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	812540	4.99	4.91	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL3w_00254

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-07.D

Injection Date: 04-Oct-2022 20:28:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

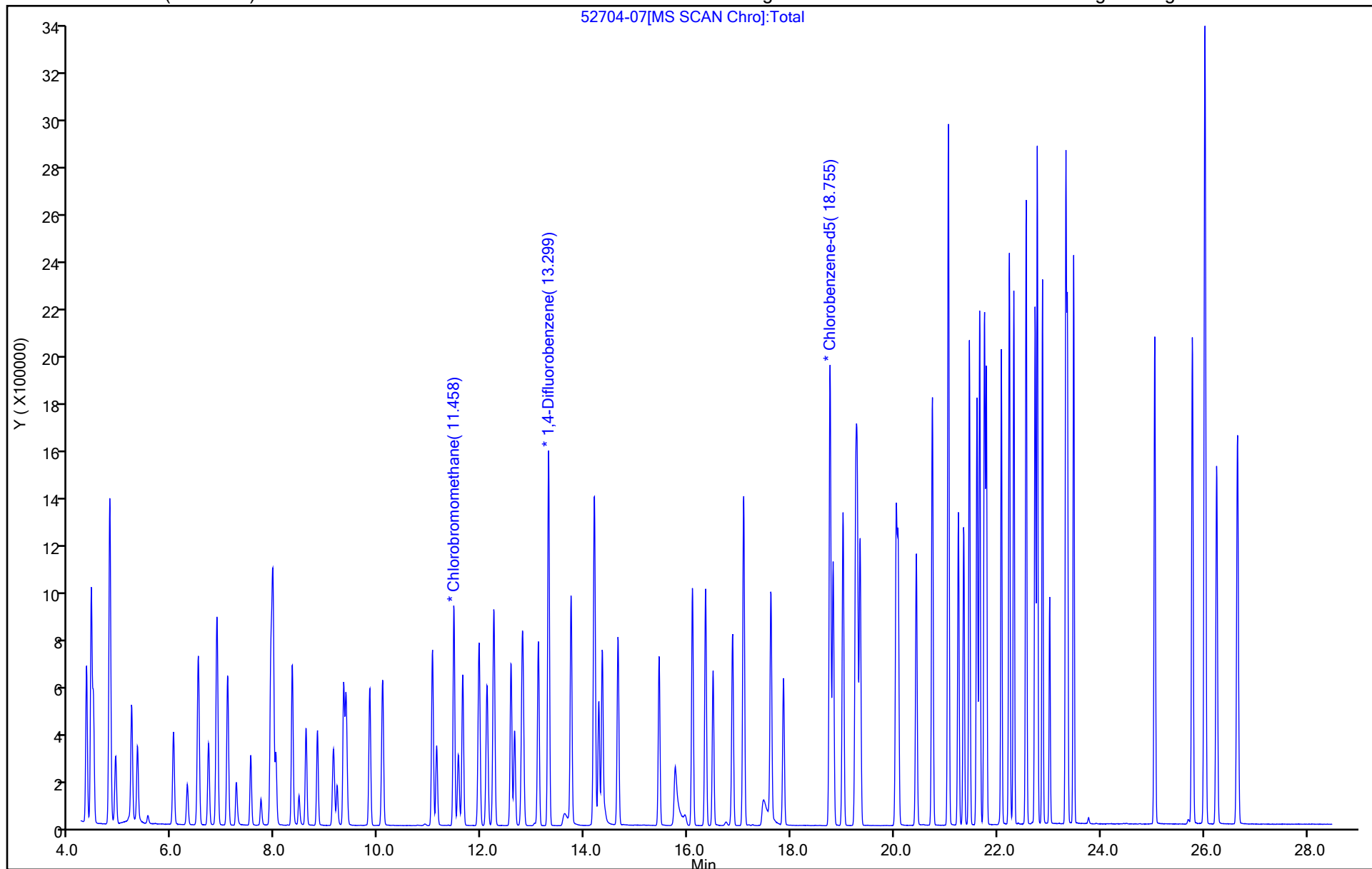
ALS Bottle#: 7

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

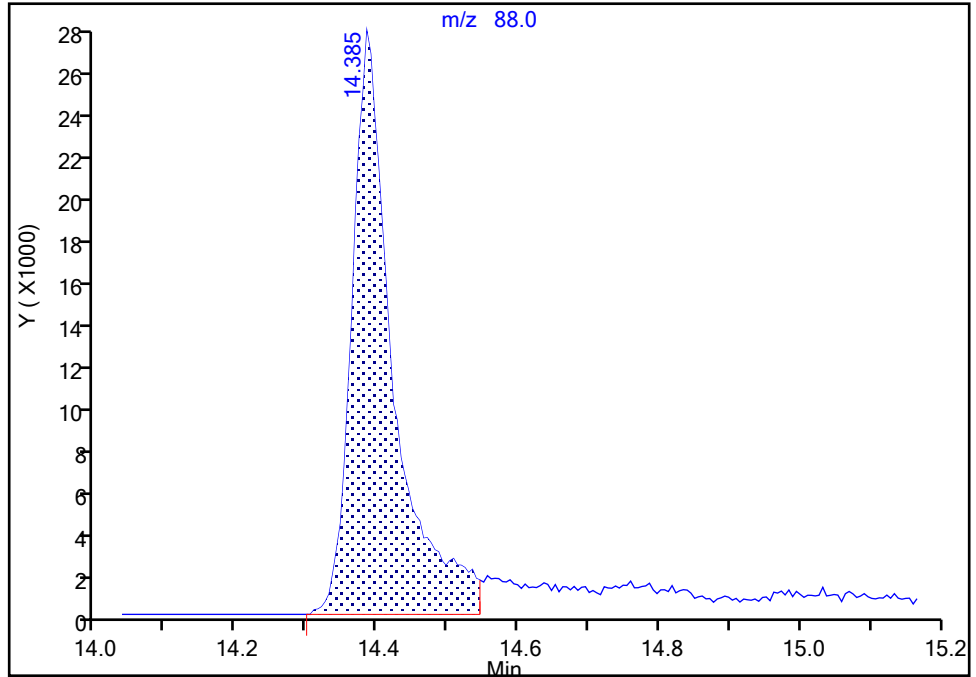
Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-07.D
Injection Date: 04-Oct-2022 20:28:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

57 1,4-Dioxane, CAS: 123-91-1

Signal: 1

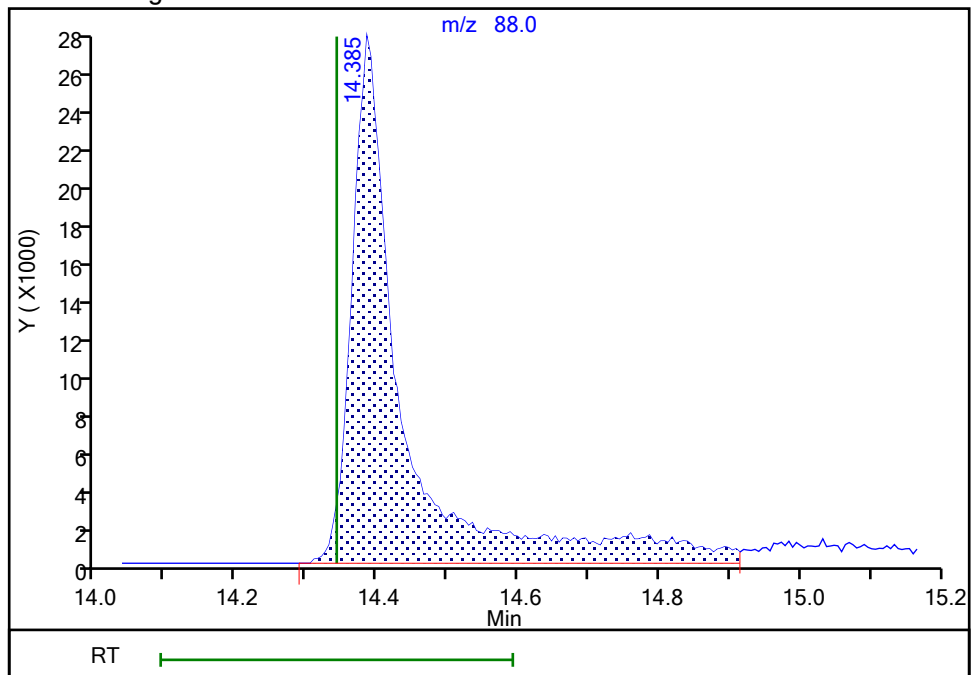
RT: 14.38
Area: 110295
Amount: 4.127156
Amount Units: ppb v/v

Processing Integration Results



RT: 14.38
Area: 136377
Amount: 4.488362
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 14:28:51

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-07.D

Injection Date: 04-Oct-2022 20:28:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: vtp

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

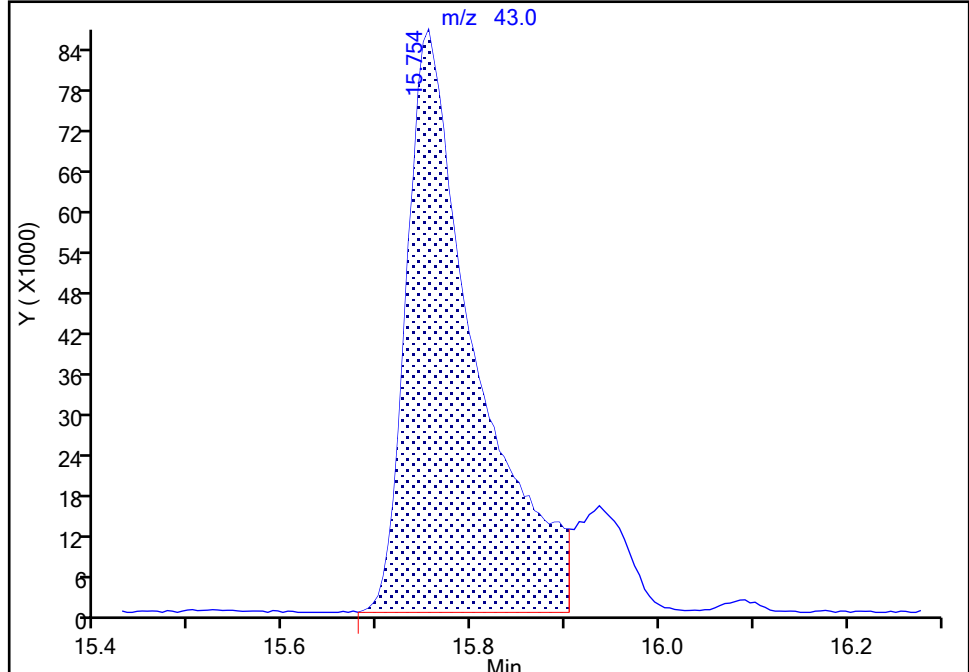
Detector: MS SCAN

62 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

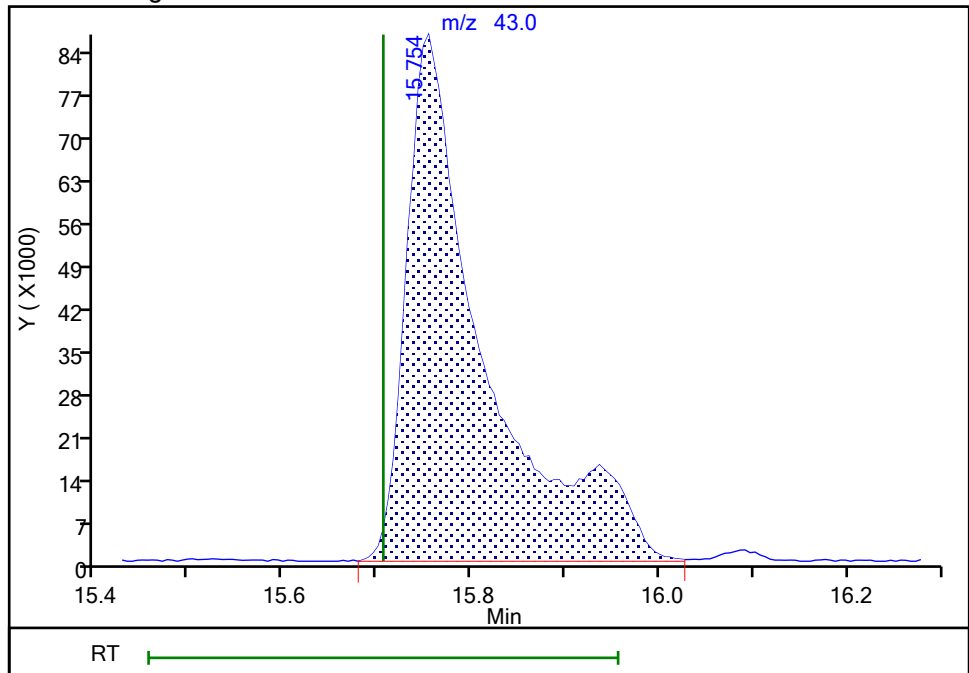
RT: 15.75
Area: 443047
Amount: 4.572587
Amount Units: ppb v/v

Processing Integration Results



RT: 15.75
Area: 501950
Amount: 5.145755
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 05-Oct-2022 10:14:46

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-08.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 04-Oct-2022 21:21:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-008
 Misc. Info.: icis
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:06 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: bunmaa

Date: 05-Oct-2022 09:42:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.332	4.332	0.000	99	1008191	10.0	10.3	
3 Dichlorodifluoromethane	85	4.423	4.423	0.000	100	2540854	10.0	9.83	
4 Chlorodifluoromethane	51	4.466	4.466	0.000	99	1660498	10.0	9.85	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.782	4.782	0.000	97	2378820	10.0	9.59	
6 Chloromethane	50	4.894	4.894	0.000	99	907459	10.0	9.90	
7 Vinyl chloride	62	5.204	5.204	0.000	99	522797	10.0	8.71	
8 Butane	43	5.210	5.210	0.000	96	703542	10.0	9.86	
9 Butadiene	54	5.322	5.322	0.000	95	380546	10.0	8.37	
10 Bromomethane	94	6.018	6.018	0.000	99	724756	10.0	9.57	
12 Chloroethane	64	6.285	6.285	0.000	100	408233	10.0	9.96	
13 2-Methylbutane	43	6.499	6.499	0.000	92	882764	10.0	9.59	
14 Vinyl bromide	106	6.702	6.702	0.000	99	675299	10.0	9.68	
15 Trichlorofluoromethane	101	6.863	6.863	0.000	99	2133740	10.0	9.70	
16 Pentane	43	7.072	7.072	0.000	96	1105682	10.0	10.0	
17 Ethanol	45	7.216	7.216	0.000	99	406650	15.0	15.9	
18 Ethyl ether	59	7.499	7.499	0.000	96	447570	10.0	9.95	
19 Acrolein	56	7.708	7.708	0.000	98	244647	10.0	10.5	
20 1,1-Dichloroethene	96	7.906	7.906	0.000	97	605205	10.0	9.03	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.949	7.949	0.000	96	1285651	10.0	9.77	
22 Acetone	43	7.981	7.981	0.000	99	939512	10.0	10.9	
23 Isopropyl alcohol	45	8.297	8.297	0.000	100	977835	10.0	10.7	
24 Carbon disulfide	76	8.329	8.329	0.000	100	1531839	10.0	10.1	
25 Acetonitrile	41	8.441	8.441	0.000	98	321715	10.0	10.6	
27 3-Chloro-1-propene	41	8.591	8.591	0.000	97	624524	10.0	9.83	
28 Methylene Chloride	49	8.810	8.810	0.000	90	539777	10.0	10.0	
29 2-Methyl-2-propanol	59	9.083	9.083	0.000	95	1195942	10.0	10.6	
30 Acrylonitrile	53	9.190	9.190	0.000	93	307260	10.0	10.2	
32 trans-1,2-Dichloroethene	61	9.318	9.318	0.000	98	751131	10.0	9.33	
31 Methyl tert-butyl ether	73	9.345	9.345	0.000	95	1742084	10.0	10.3	
S 33 1,2-Dichloroethene, Total	61				0		20.0	18.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.827	9.827	0.000	90	728864	10.0	9.65	
36 1,1-Dichloroethane	63	10.067	10.067	0.000	100	896141	10.0	9.12	
35 Vinyl acetate	43	10.078	10.078	0.000	99	1162123	10.0	10.5	
37 2-Butanone (MEK)	72	11.025	11.025	0.000	99	263129	10.0	10.5	
38 cis-1,2-Dichloroethene	96	11.046	11.046	0.000	93	564760	10.0	9.11	
39 Ethyl acetate	88	11.111	11.111	0.000	100	49290	10.0	10.6	
* 40 Chlorobromomethane	128	11.458	11.458	0.000	79	348584	10.0	10.0	
41 Tetrahydrofuran	42	11.528	11.528	0.000	86	477800	10.0	10.5	
42 Chloroform	83	11.629	11.629	0.000	97	1260385	10.0	9.79	
43 1,1,1-Trichloroethane	97	11.950	11.950	0.000	95	1494557	10.0	9.89	
44 Cyclohexane	84	12.100	12.100	0.000	94	733342	10.0	9.74	
45 Carbon tetrachloride	117	12.234	12.234	0.000	99	1622353	10.0	9.54	
46 Benzene	78	12.566	12.566	0.000	96	1638216	10.0	9.73	
47 1,2-Dichloroethane	62	12.635	12.635	0.000	99	918224	10.0	9.73	
48 Isooctane	57	12.790	12.790	0.000	97	2371054	10.0	9.80	
49 n-Heptane	43	13.095	13.095	0.000	87	813710	10.0	9.63	
* 50 1,4-Difluorobenzene	114	13.299	13.299	0.000	94	1756760	10.0	10.0	
51 n-Butanol	56	13.529	13.529	0.000	90	282401	10.0	10.1	
52 Trichloroethene	95	13.732	13.732	0.000	99	818161	10.0	9.34	
55 1,2-Dichloropropane	63	14.181	14.181	0.000	83	543693	10.0	9.71	
56 Methyl methacrylate	69	14.262	14.262	0.000	95	574798	10.0	10.7	
58 Dibromomethane	174	14.336	14.336	0.000	96	810975	10.0	9.94	
57 1,4-Dioxane	88	14.342	14.342	0.000	90	322046	10.0	10.3	
59 Dichlorobromomethane	83	14.641	14.641	0.000	98	1407275	10.0	10.2	
60 cis-1,3-Dichloropropene	75	15.438	15.438	0.000	96	1075539	10.0	10.2	
62 4-Methyl-2-pentanone (MIBK)	43	15.706	15.706	0.000	95	1078834	10.0	10.8	
63 Toluene	92	16.086	16.086	0.000	94	1261293	10.0	9.81	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0	5017835	NC	NC		
A 65 C8 Range	1	16.343	(16.268-16.417)	0	4993282	NC	NC		
66 n-Octane	43	16.343	16.343	0.000	85	1125805	10.0	9.74	
67 trans-1,3-Dichloropropene	75	16.487	16.487	0.000	98	990896	10.0	10.4	
68 1,1,2-Trichloroethane	83	16.861	16.861	0.000	98	590690	10.0	9.98	
69 Tetrachloroethene	166	17.081	17.081	0.000	96	1233868	10.0	9.25	
70 2-Hexanone	43	17.375	17.375	0.000	97	872054	10.0	10.3	
71 Chlorodibromomethane	129	17.610	17.610	0.000	98	1536933	10.0	10.6	
72 Ethylene Dibromide	107	17.851	17.851	0.000	98	1196924	10.0	10.2	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	93	1606191	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	94	1810572	10.0	9.93	
75 Ethylbenzene	91	19.007	19.007	0.000	98	2906897	10.0	10.0	
76 m-Xylene & p-Xylene	106	19.269	19.269	0.000	0	2319073	20.0	20.1	
77 n-Nonane	57	19.338	19.338	0.000	83	1157743	10.0	9.98	
S 78 Xylenes, Total	106				0		30.0	30.2	
79 o-Xylene	106	20.039	20.039	0.000	99	1137371	10.0	10.1	
80 Styrene	104	20.077	20.077	0.000	99	1756523	10.0	10.9	
81 Bromoform	173	20.430	20.430	0.000	97	1612226	10.0	11.3	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	3517268	10.0	10.1	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	99	1516241	10.0	10.2	
84 1,2,3-Trichloropropane	75	21.345	21.345	0.000	96	1333909	10.0	10.4	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	4071274	10.0	10.3	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	2601587	10.0	10.2	
87 4-Ethyltoluene	105	21.655	21.655	0.000	99	3503108	10.0	10.3	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	3026205	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.783	21.783	0.000	95	1538301	10.0	10.4	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	90	1533008	10.0	11.3	
91 tert-Butylbenzene	119	22.233	22.233	0.000	93	3040366	10.0	10.1	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	3029114	10.0	10.2	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	4326775	10.0	10.1	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	99	2141594	10.0	10.5	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	3900527	10.0	10.3	
96 1,4-Dichlorobenzene	146	22.875	22.875	0.000	95	2157653	10.0	10.7	
97 Benzyl chloride	91	23.014	23.014	0.000	98	1523475	10.0	11.1	
98 n-Butylbenzene	91	23.329	23.329	0.000	98	3411741	10.0	10.5	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	2028316	10.0	10.2	
100 Undecane	57	23.479	23.479	0.000	91	1791811	10.0	10.8	
101 Dodecane	57	25.052	25.052	0.000	95	1770030	10.0	10.7	
102 1,2,4-Trichlorobenzene	180	25.779	25.779	0.000	94	2048779	10.0	10.5	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	99	2268335	10.0	10.4	
104 Naphthalene	128	26.250	26.250	0.000	99	4095806	10.0	10.6	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	1797175	10.0	10.5	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00792

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-08.D

Injection Date: 04-Oct-2022 21:21:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: icis

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

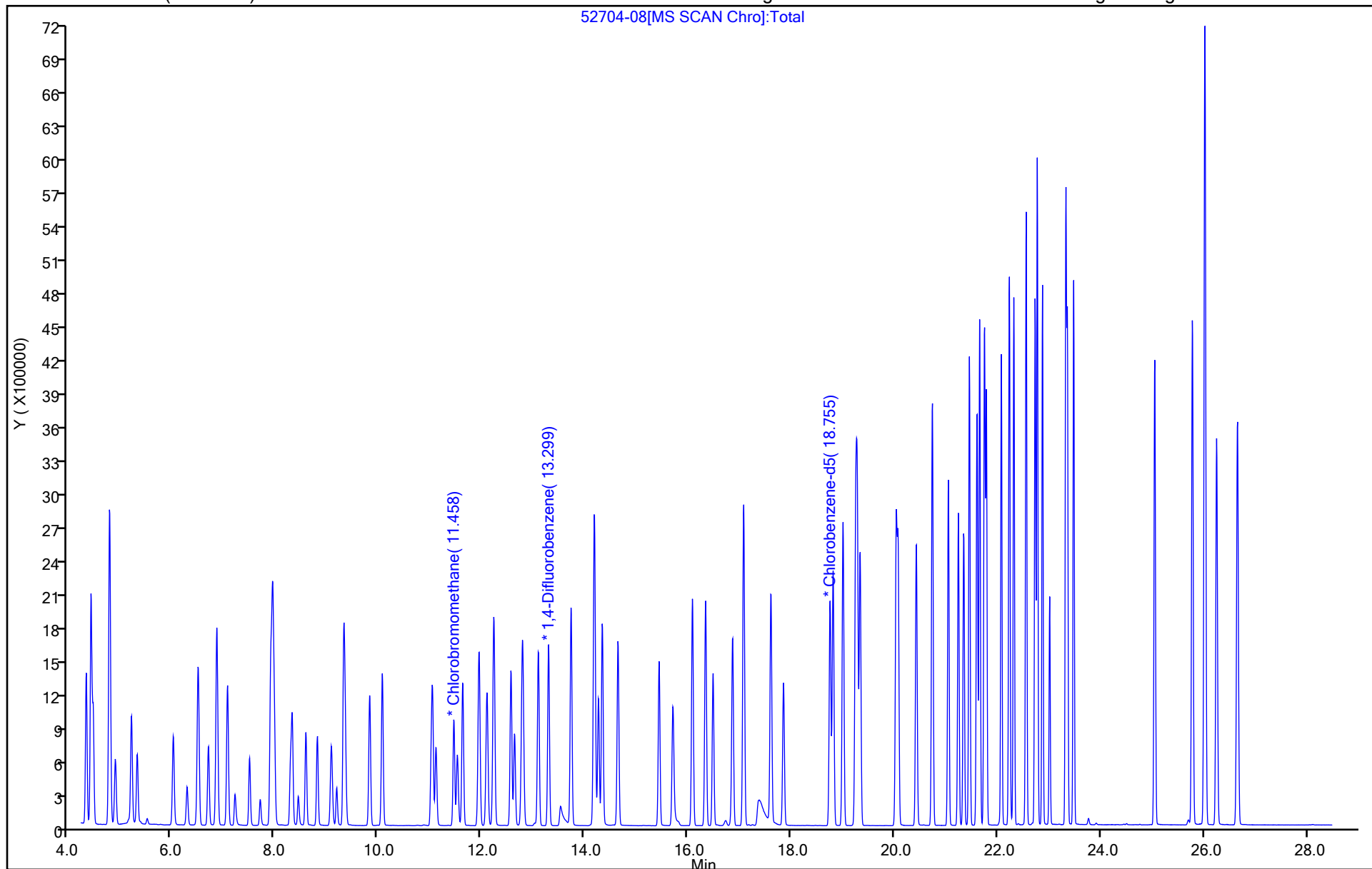
ALS Bottle#: 8

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-09.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 04-Oct-2022 22:13:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-009
 Misc. Info.: ic-06
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:08 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: bunmaa

Date: 05-Oct-2022 10:23:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.338	4.332	0.006	99	1545009	15.0	15.2	
3 Dichlorodifluoromethane	85	4.434	4.423	0.011	100	3988721	15.0	14.9	
4 Chlorodifluoromethane	51	4.472	4.466	0.006	99	2571485	15.0	14.7	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.793	4.782	0.011	98	3712485	15.0	14.4	
6 Chloromethane	50	4.905	4.894	0.011	99	1395924	15.0	14.7	
7 Vinyl chloride	62	5.210	5.204	0.006	99	786193	15.0	12.6	
8 Butane	43	5.221	5.210	0.011	98	1046846	15.0	14.1	
9 Butadiene	54	5.328	5.322	0.006	96	598026	15.0	12.7	
10 Bromomethane	94	6.028	6.018	0.010	99	1131214	15.0	14.4	
12 Chloroethane	64	6.296	6.285	0.011	100	622887	15.0	14.7	
13 2-Methylbutane	43	6.510	6.499	0.011	91	1311395	15.0	13.7	
14 Vinyl bromide	106	6.708	6.702	0.006	98	1046997	15.0	14.5	
15 Trichlorofluoromethane	101	6.874	6.863	0.011	100	3256058	15.0	14.3	
16 Pentane	43	7.077	7.072	0.005	96	1659833	15.0	14.5	
17 Ethanol	45	7.211	7.216	-0.005	99	543637	20.0	20.5	
18 Ethyl ether	59	7.494	7.499	-0.005	96	683127	15.0	14.6	
19 Acrolein	56	7.703	7.708	-0.005	97	379144	15.0	15.7	
20 1,1-Dichloroethene	96	7.912	7.906	0.006	98	923222	15.0	13.3	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.954	7.949	0.005	96	1959493	15.0	14.4	
22 Acetone	43	7.981	7.981	0.000	99	1373164	15.0	15.4	
23 Isopropyl alcohol	45	8.281	8.297	-0.016	99	1494431	15.0	15.7	
24 Carbon disulfide	76	8.334	8.329	0.005	100	2348871	15.0	15.0	
25 Acetonitrile	41	8.441	8.441	0.000	97	489312	15.0	15.5	
27 3-Chloro-1-propene	41	8.596	8.591	0.005	96	968094	15.0	14.7	
28 Methylene Chloride	49	8.816	8.810	0.006	89	821878	15.0	14.7	
29 2-Methyl-2-propanol	59	9.062	9.083	-0.021	94	1849926	15.0	15.8	
30 Acrylonitrile	53	9.190	9.190	0.000	93	483619	15.0	15.5	
32 trans-1,2-Dichloroethene	61	9.324	9.318	0.006	98	1143105	15.0	13.7	
31 Methyl tert-butyl ether	73	9.340	9.345	-0.005	95	2607543	15.0	14.8	
S 33 1,2-Dichloroethene, Total	61				0		30.0	27.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.832	9.827	0.005	90	1116576	15.0	14.3	
36 1,1-Dichloroethane	63	10.073	10.067	0.006	100	1370649	15.0	13.5	
35 Vinyl acetate	43	10.078	10.078	0.000	99	1809442	15.0	15.7	
37 2-Butanone (MEK)	72	11.020	11.025	-0.005	99	395987	15.0	15.2	
38 cis-1,2-Dichloroethene	96	11.052	11.046	0.006	92	876153	15.0	13.6	
39 Ethyl acetate	88	11.111	11.111	0.000	99	73718	15.0	15.3	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	78	361348	10.0	10.0	
41 Tetrahydrofuran	42	11.523	11.528	-0.005	85	733348	15.0	15.6	
42 Chloroform	83	11.635	11.629	0.006	97	1944193	15.0	14.6	
43 1,1,1-Trichloroethane	97	11.951	11.950	0.001	95	2308244	15.0	14.7	
44 Cyclohexane	84	12.106	12.100	0.006	94	1132167	15.0	14.5	
45 Carbon tetrachloride	117	12.239	12.234	0.005	99	2510888	15.0	14.2	
46 Benzene	78	12.571	12.566	0.005	96	2518680	15.0	14.4	
47 1,2-Dichloroethane	62	12.641	12.635	0.006	99	1427851	15.0	14.6	
48 Isooctane	57	12.790	12.790	0.000	97	3650764	15.0	14.5	
49 n-Heptane	43	13.101	13.095	0.006	87	1258110	15.0	14.3	
* 50 1,4-Difluorobenzene	114	13.299	13.299	0.000	94	1826120	10.0	10.0	
51 n-Butanol	56	13.518	13.529	-0.011	89	454554	15.0	15.6	
52 Trichloroethene	95	13.737	13.732	0.005	99	1264413	15.0	13.9	
55 1,2-Dichloropropane	63	14.187	14.181	0.006	75	834642	15.0	14.3	
56 Methyl methacrylate	69	14.262	14.262	0.000	95	878684	15.0	15.7	
58 Dibromomethane	174	14.342	14.336	0.006	93	1275296	15.0	15.0	
57 1,4-Dioxane	88	14.331	14.342	-0.011	91	516865	15.0	15.9	
59 Dichlorobromomethane	83	14.641	14.641	0.000	98	2197241	15.0	15.3	
60 cis-1,3-Dichloropropene	75	15.439	15.438	0.001	95	1692458	15.0	15.4	
62 4-Methyl-2-pentanone (MIBK)	43	15.701	15.706	-0.005	94	1696028	15.0	16.3	
63 Toluene	92	16.086	16.086	0.000	94	1940073	15.0	14.5	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0	0	7708341	NC	NC	
A 65 C8 Range	1	16.343	(16.268-16.417)	0	0	7624280	NC	NC	
66 n-Octane	43	16.343	16.343	0.000	85	1713623	15.0	14.3	
67 trans-1,3-Dichloropropene	75	16.487	16.487	0.000	98	1559792	15.0	15.7	
68 1,1,2-Trichloroethane	83	16.867	16.861	0.006	97	906304	15.0	14.8	
69 Tetrachloroethene	166	17.081	17.081	0.000	96	1920707	15.0	13.9	
70 2-Hexanone	43	17.338	17.375	-0.037	96	1419285	15.0	16.2	
71 Chlorodibromomethane	129	17.611	17.610	0.001	98	2373746	15.0	15.8	
72 Ethylene Dibromide	107	17.851	17.851	0.000	99	1841174	15.0	15.1	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	88	1667009	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	94	2766477	15.0	14.6	
75 Ethylbenzene	91	19.007	19.007	0.000	98	4415145	15.0	14.6	
76 m-Xylene & p-Xylene	106	19.274	19.269	0.005	0	3520336	30.0	29.4	
77 n-Nonane	57	19.339	19.338	0.000	83	1742851	15.0	14.5	
S 78 Xylenes, Total	106				0		45.0	44.0	
79 o-Xylene	106	20.039	20.039	0.000	99	1703835	15.0	14.6	
80 Styrene	104	20.077	20.077	0.000	99	2691907	15.0	16.0	
81 Bromoform	173	20.430	20.430	0.000	98	2487606	15.0	16.8	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	5324313	15.0	14.7	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	99	2293211	15.0	14.8	
84 1,2,3-Trichloropropane	75	21.350	21.345	0.005	96	1984526	15.0	14.9	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	6069880	15.0	14.8	
86 2-Chlorotoluene	91	21.607	21.607	0.000	98	3901371	15.0	14.7	
87 4-Ethyltoluene	105	21.655	21.655	0.000	98	5266941	15.0	15.0	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	4572413	15.0	14.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.789	21.783	0.006	95	2282366	15.0	14.8	
90 Alpha Methyl Styrene	118	22.078	22.077	0.001	90	2346365	15.0	16.7	
91 tert-Butylbenzene	119	22.233	22.233	0.000	93	4572368	15.0	14.6	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	4607532	15.0	14.9	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	6496768	15.0	14.7	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	99	3202089	15.0	15.2	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	5862431	15.0	14.9	
96 1,4-Dichlorobenzene	146	22.875	22.875	0.000	95	3247153	15.0	15.4	
97 Benzyl chloride	91	23.014	23.014	0.000	98	2642591	15.0	18.6	
98 n-Butylbenzene	91	23.329	23.329	0.000	98	5106271	15.0	15.1	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	3057363	15.0	14.9	
100 Undecane	57	23.479	23.479	0.000	91	2670754	15.0	15.5	
101 Dodecane	57	25.052	25.052	0.000	95	2728698	15.0	15.9	
102 1,2,4-Trichlorobenzene	180	25.780	25.779	0.001	94	3130458	15.0	15.4	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	98	3413666	15.0	15.1	
104 Naphthalene	128	26.250	26.250	0.000	99	6258890	15.0	15.6	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	2711158	15.0	15.2	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL5w_00123

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-09.D

Injection Date: 04-Oct-2022 22:13:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

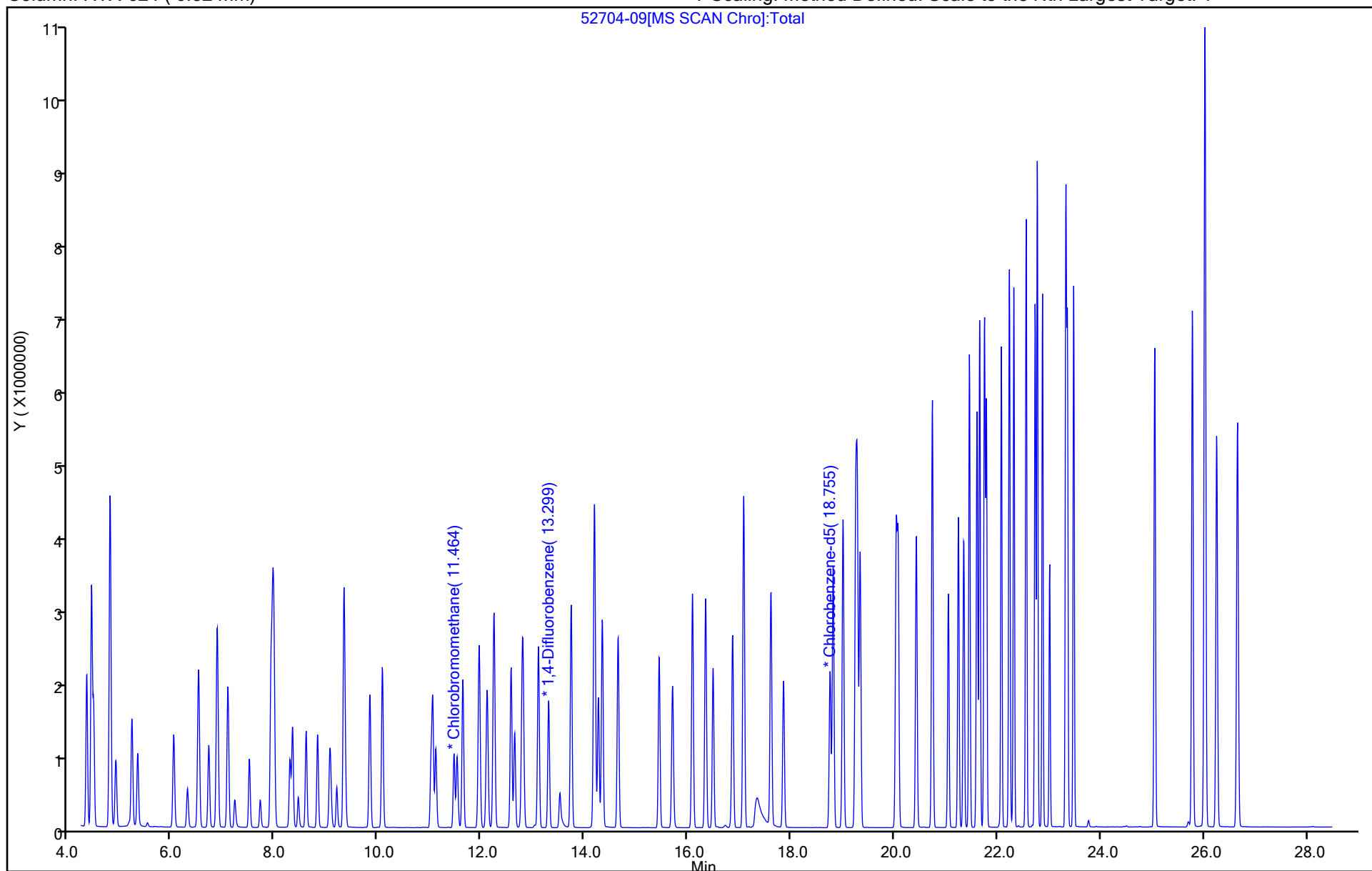
ALS Bottle#: 9

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-12.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 05-Oct-2022 00:50:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-012
 Misc. Info.: ic-07
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:10 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: bunmaa

Date: 05-Oct-2022 13:18:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.338	4.332	0.006	99	2194868	20.0	21.0	
3 Dichlorodifluoromethane	85	4.429	4.423	0.006	100	5677951	20.0	20.5	
4 Chlorodifluoromethane	51	4.466	4.466	0.000	98	3649044	20.0	20.2	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.782	0.005	96	5354517	20.0	20.2	
6 Chloromethane	50	4.899	4.894	0.005	100	2001795	20.0	20.4	
7 Vinyl chloride	62	5.210	5.204	0.006	99	1084449	20.0	16.9	
8 Butane	43	5.215	5.210	0.005	96	1429147	20.0	18.7	
9 Butadiene	54	5.327	5.322	0.005	95	800111	20.0	16.5	
10 Bromomethane	94	6.023	6.018	0.005	99	1585771	20.0	19.6	
12 Chloroethane	64	6.290	6.285	0.005	100	873305	20.0	19.9	
13 2-Methylbutane	43	6.510	6.499	0.011	93	1792414	20.0	18.2	
14 Vinyl bromide	106	6.708	6.702	0.006	98	1460371	20.0	19.6	
15 Trichlorofluoromethane	101	6.868	6.863	0.005	100	4526526	20.0	19.2	
16 Pentane	43	7.077	7.072	0.005	96	2267820	20.0	19.2	
17 Ethanol	45	7.205	7.216	-0.011	99	1108179	40.0	40.5	
18 Ethyl ether	59	7.489	7.499	-0.010	96	918079	20.0	19.1	
19 Acrolein	56	7.703	7.708	-0.005	97	509291	20.0	20.4	
20 1,1-Dichloroethene	96	7.911	7.906	0.005	98	1276408	20.0	17.8	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.954	7.949	0.005	96	2680774	20.0	19.1	
22 Acetone	43	7.976	7.981	-0.005	99	1879162	20.0	20.5	
23 Isopropyl alcohol	45	8.275	8.297	-0.022	99	1989729	20.0	20.3	
24 Carbon disulfide	76	8.329	8.329	0.000	100	3222435	20.0	20.0	
25 Acetonitrile	41	8.441	8.441	0.000	97	661044	20.0	20.3	
27 3-Chloro-1-propene	41	8.596	8.591	0.005	96	1312245	20.0	19.3	
28 Methylene Chloride	49	8.815	8.810	0.005	89	1124874	20.0	19.6	
29 2-Methyl-2-propanol	59	9.045	9.083	-0.038	94	2468362	20.0	20.4	
30 Acrylonitrile	53	9.190	9.190	0.000	93	649564	20.0	20.1	
32 trans-1,2-Dichloroethene	61	9.324	9.318	0.006	98	1542490	20.0	17.9	
31 Methyl tert-butyl ether	73	9.334	9.345	-0.011	95	3488197	20.0	19.2	
S 33 1,2-Dichloroethene, Total	61				0		40.0	35.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.832	9.827	0.005	90	1520848	20.0	18.8	
36 1,1-Dichloroethane	63	10.073	10.067	0.006	100	1845116	20.0	17.6	
35 Vinyl acetate	43	10.073	10.078	-0.005	99	2420251	20.0	20.4	
37 2-Butanone (MEK)	72	11.014	11.025	-0.011	99	545528	20.0	20.3	
38 cis-1,2-Dichloroethene	96	11.052	11.046	0.006	93	1185982	20.0	17.9	
39 Ethyl acetate	88	11.105	11.111	-0.006	100	101783	20.0	20.5	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	79	372567	10.0	10.0	
41 Tetrahydrofuran	42	11.517	11.528	-0.011	85	987922	20.0	20.4	
42 Chloroform	83	11.635	11.629	0.006	97	2638796	20.0	19.2	
43 1,1,1-Trichloroethane	97	11.950	11.950	0.000	95	3134885	20.0	19.5	
44 Cyclohexane	84	12.106	12.100	0.006	94	1547359	20.0	19.3	
45 Carbon tetrachloride	117	12.239	12.234	0.005	99	3430921	20.0	18.9	
46 Benzene	78	12.571	12.566	0.005	96	3405278	20.0	19.0	
47 1,2-Dichloroethane	62	12.640	12.635	0.005	99	1923171	20.0	19.1	
48 Isooctane	57	12.796	12.790	0.006	97	4881945	20.0	18.9	
49 n-Heptane	43	13.101	13.095	0.006	86	1674837	20.0	18.6	
* 50 1,4-Difluorobenzene	114	13.299	13.299	-0.001	94	1871840	10.0	10.0	
51 n-Butanol	56	13.512	13.529	-0.017	88	638934	20.0	21.4	
52 Trichloroethene	95	13.737	13.732	0.005	99	1703851	20.0	18.3	
55 1,2-Dichloropropane	63	14.181	14.181	0.000	88	1112344	20.0	18.6	
56 Methyl methacrylate	69	14.261	14.262	-0.001	95	1197982	20.0	20.9	
58 Dibromomethane	174	14.342	14.336	0.006	93	1721976	20.0	19.8	
57 1,4-Dioxane	88	14.326	14.342	-0.016	90	709884	20.0	21.3	
59 Dichlorobromomethane	83	14.647	14.641	0.006	99	2960162	20.0	20.2	
60 cis-1,3-Dichloropropene	75	15.444	15.438	0.006	95	2270917	20.0	20.1	
62 4-Methyl-2-pentanone (MIBK)	43	15.695	15.706	-0.011	94	2221295	20.0	20.8	
63 Toluene	92	16.086	16.086	0.000	94	2616569	20.0	19.1	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0	0	10376286	NC	NC	
A 65 C8 Range	1	16.343	(16.268-16.417)	0	0	10191287	NC	NC	
66 n-Octane	43	16.342	16.343	-0.001	84	2277429	20.0	18.5	
67 trans-1,3-Dichloropropene	75	16.487	16.487	0.000	98	2100331	20.0	20.6	
68 1,1,2-Trichloroethane	83	16.867	16.861	0.006	97	1223459	20.0	19.4	
69 Tetrachloroethene	166	17.081	17.081	0.000	97	2586916	20.0	18.2	
70 2-Hexanone	43	17.311	17.375	-0.064	96	1970138	20.0	21.9	
71 Chlorodibromomethane	129	17.610	17.610	0.000	98	3200270	20.0	20.8	
72 Ethylene Dibromide	107	17.851	17.851	0.000	98	2502582	20.0	20.1	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	1707726	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	94	3752196	20.0	19.4	
75 Ethylbenzene	91	19.007	19.007	0.000	98	5965436	20.0	19.3	
76 m-Xylene & p-Xylene	106	19.269	19.269	0.000	0	4732448	40.0	38.6	
77 n-Nonane	57	19.338	19.338	0.000	82	2337619	20.0	18.9	
S 78 Xylenes, Total	106				0		60.0	57.9	
79 o-Xylene	106	20.039	20.039	0.000	99	2307029	20.0	19.3	
80 Styrene	104	20.077	20.077	0.000	99	3642602	20.0	21.2	
81 Bromoform	173	20.430	20.430	0.000	97	3296287	20.0	21.7	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	7139369	20.0	19.3	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	99	3084110	20.0	19.5	
84 1,2,3-Trichloropropane	75	21.350	21.345	0.005	96	2667587	20.0	19.6	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	8155035	20.0	19.4	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	5203367	20.0	19.2	
87 4-Ethyltoluene	105	21.655	21.655	0.000	98	7047469	20.0	19.6	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	6082035	20.0	19.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.788	21.783	0.005	95	2979596	20.0	18.9	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	90	3119425	20.0	21.7	
91 tert-Butylbenzene	119	22.233	22.233	0.000	93	6023526	20.0	18.8	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	6100701	20.0	19.3	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	8526166	20.0	18.8	
94 1,3-Dichlorobenzene	146	22.735	22.730	0.005	98	4289451	20.0	19.8	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	7686320	20.0	19.1	
96 1,4-Dichlorobenzene	146	22.874	22.875	-0.001	95	4319909	20.0	20.1	
97 Benzyl chloride	91	23.014	23.014	0.000	98	3464266	20.0	23.7	
98 n-Butylbenzene	91	23.329	23.329	0.000	98	6676387	20.0	19.3	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	4035938	20.0	19.1	
100 Undecane	57	23.479	23.479	0.000	90	3456602	20.0	19.6	
101 Dodecane	57	25.052	25.052	0.000	94	3548716	20.0	20.1	
102 1,2,4-Trichlorobenzene	180	25.785	25.779	0.006	95	4185743	20.0	20.1	
103 Hexachlorobutadiene	225	26.025	26.026	-0.001	98	4552482	20.0	19.7	
104 Naphthalene	128	26.250	26.250	0.000	99	8363591	20.0	20.3	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	3657893	20.0	20.1	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00210

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-12.D

Injection Date: 05-Oct-2022 00:50:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

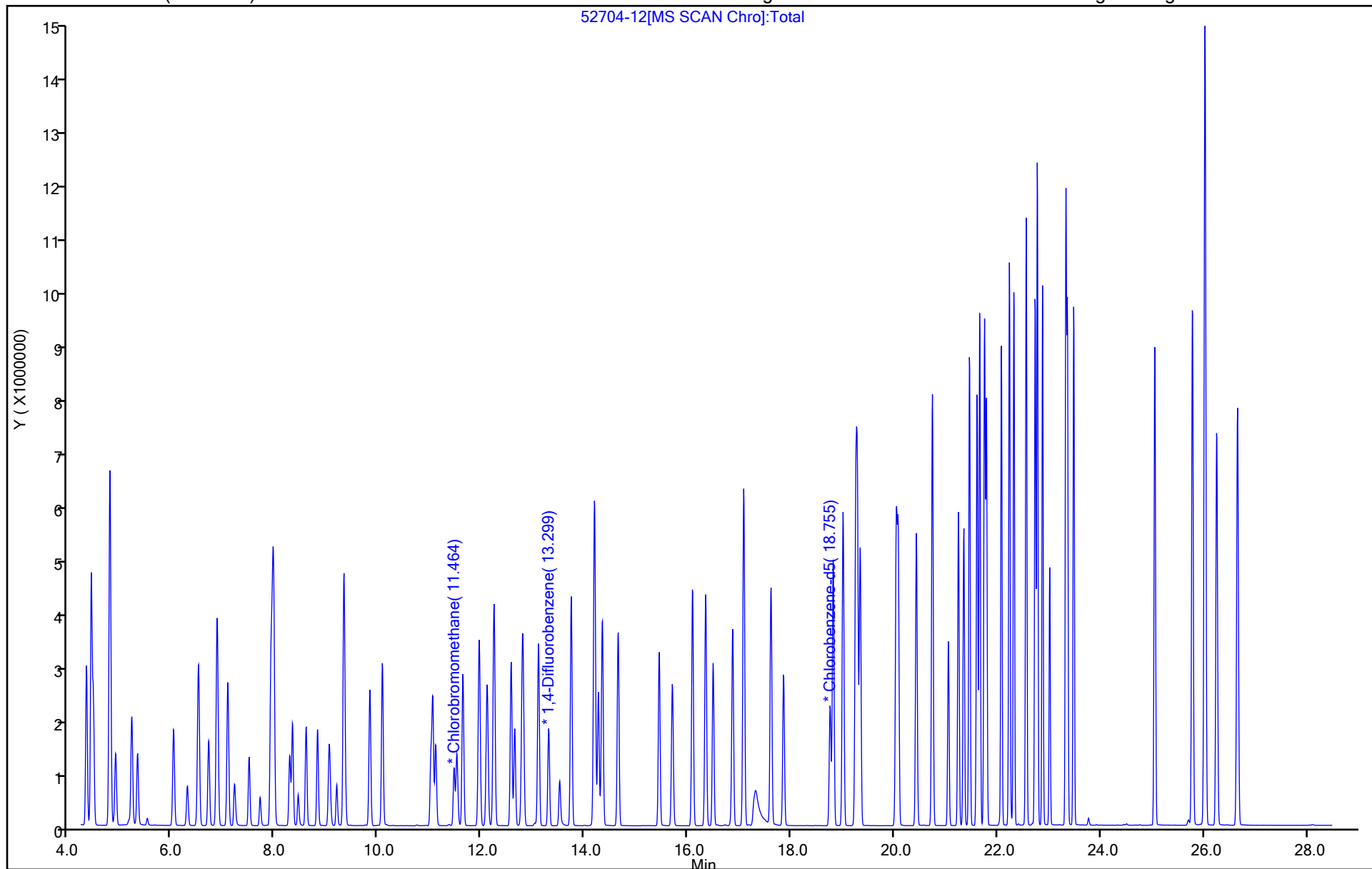
ALS Bottle#: 12

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 05-Oct-2022 01:42:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0008
 Sample Info: 200-0052704-013
 Misc. Info.: ic-08
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:12 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: bunmaa

Date: 05-Oct-2022 14:24:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.343	4.332	0.011	99	3579022	40.0	33.9	
3 Dichlorodifluoromethane	85	4.434	4.423	0.011	100	9633802	40.0	34.5	
4 Chlorodifluoromethane	51	4.472	4.466	0.006	98	6031299	40.0	33.1	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.792	4.782	0.010	95	8989696	40.0	33.6	
6 Chloromethane	50	4.905	4.894	0.011	99	3299074	40.0	33.3	
7 Vinyl chloride	62	5.215	5.204	0.011	99	1766444	40.0	27.2	
8 Butane	43	5.220	5.210	0.010	96	2317448	40.0	30.1	
9 Butadiene	54	5.333	5.322	0.011	95	1380919	40.0	28.1	
10 Bromomethane	94	6.028	6.018	0.010	99	2721627	40.0	33.3	
12 Chloroethane	64	6.296	6.285	0.011	100	1464077	40.0	33.1	
13 2-Methylbutane	43	6.510	6.499	0.011	90	2897066	40.0	29.1	
14 Vinyl bromide	106	6.708	6.702	0.006	98	2490134	40.0	33.0	
15 Trichlorofluoromethane	101	6.874	6.863	0.011	99	7595042	40.0	32.0	
16 Pentane	43	7.077	7.072	0.005	96	3668695	40.0	30.7	
17 Ethanol	45	7.200	7.216	-0.016	99	2212180	100.0	80.0	
18 Ethyl ether	59	7.483	7.499	-0.016	96	1541789	40.0	31.7	
19 Acrolein	56	7.703	7.708	-0.005	97	875457	40.0	34.7	
20 1,1-Dichloroethene	96	7.917	7.906	0.011	99	2143905	40.0	29.6	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.954	7.949	0.005	96	4461986	40.0	31.4	
22 Acetone	43	7.970	7.981	-0.011	99	2955157	40.0	31.8	
23 Isopropyl alcohol	45	8.259	8.297	-0.038	99	3443874	40.0	34.8	
24 Carbon disulfide	76	8.334	8.329	0.005	100	5452354	40.0	33.4	
25 Acetonitrile	41	8.441	8.441	0.000	97	1134334	40.0	34.5	
27 3-Chloro-1-propene	41	8.596	8.591	0.005	95	2199487	40.0	32.0	
28 Methylene Chloride	49	8.821	8.810	0.011	88	1880967	40.0	32.4	
29 2-Methyl-2-propanol	59	9.024	9.083	-0.059	94	4321234	40.0	35.4	
30 Acrylonitrile	53	9.190	9.190	0.000	93	1114722	40.0	34.2	
32 trans-1,2-Dichloroethene	61	9.329	9.318	0.011	96	2549528	40.0	29.3	
31 Methyl tert-butyl ether	73	9.329	9.345	-0.016	95	5849744	40.0	31.9	
S 33 1,2-Dichloroethene, Total	61				0		80.0	59.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.832	9.827	0.005	89	2537269	40.0	31.1	
36 1,1-Dichloroethane	63	10.073	10.067	0.006	80	3062556	40.0	28.9	
35 Vinyl acetate	43	10.073	10.078	-0.005	99	4029662	40.0	33.6	
37 2-Butanone (MEK)	72	11.009	11.025	-0.016	99	928845	40.0	34.3	
38 cis-1,2-Dichloroethene	96	11.052	11.046	0.006	94	2036026	40.0	30.4	
39 Ethyl acetate	88	11.105	11.111	-0.006	100	176819	40.0	35.2	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	78	376546	10.0	10.0	
41 Tetrahydrofuran	42	11.512	11.528	-0.016	85	1667112	40.0	34.3	
42 Chloroform	83	11.635	11.629	0.006	97	4469073	40.0	32.1	
43 1,1,1-Trichloroethane	97	11.956	11.950	0.006	95	5334409	40.0	32.9	
44 Cyclohexane	84	12.106	12.100	0.006	94	2641889	40.0	32.7	
45 Carbon tetrachloride	117	12.239	12.234	0.005	99	5807770	40.0	31.8	
46 Benzene	78	12.571	12.566	0.005	96	5797947	40.0	32.1	
47 1,2-Dichloroethane	62	12.641	12.635	0.005	100	3263192	40.0	32.3	
48 Isooctane	57	12.796	12.790	0.006	97	8168311	40.0	31.5	
49 n-Heptane	43	13.101	13.095	0.006	85	2775040	40.0	30.6	
* 50 1,4-Difluorobenzene	114	13.304	13.299	0.005	94	1883695	10.0	10.0	
51 n-Butanol	56	13.507	13.529	-0.022	88	1134328	40.0	37.8	
52 Trichloroethene	95	13.737	13.732	0.005	99	2916964	40.0	31.1	
55 1,2-Dichloropropane	63	14.187	14.181	0.006	84	1832464	40.0	30.5	
56 Methyl methacrylate	69	14.261	14.262	-0.001	95	2034686	40.0	35.3	
58 Dibromomethane	174	14.342	14.336	0.006	92	2975929	40.0	34.0	
57 1,4-Dioxane	88	14.315	14.342	-0.027	91	1257781	40.0	37.6	
59 Dichlorobromomethane	83	14.647	14.641	0.006	99	5035390	40.0	34.1	
60 cis-1,3-Dichloropropene	75	15.444	15.438	0.006	95	3887778	40.0	34.3	
62 4-Methyl-2-pentanone (MIBK)	43	15.690	15.706	-0.016	95	3836671	40.0	35.7	
63 Toluene	92	16.091	16.086	0.005	94	4449444	40.0	32.1	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0	0	17656651	NC	NC	
A 65 C8 Range	1	16.343	(16.268-16.417)	0	0	17023886	NC	NC	
66 n-Octane	43	16.343	16.343	0.000	83	3740042	40.0	30.2	
67 trans-1,3-Dichloropropene	75	16.487	16.487	0.000	98	3639336	40.0	35.5	
68 1,1,2-Trichloroethane	83	16.867	16.861	0.006	97	2087111	40.0	32.7	
69 Tetrachloroethene	166	17.086	17.081	0.005	96	4431650	40.0	30.8	
70 2-Hexanone	43	17.268	17.375	-0.107	96	3576582	40.0	39.3	
71 Chlorodibromomethane	129	17.610	17.610	0.000	98	5531349	40.0	35.5	
72 Ethylene Dibromide	107	17.856	17.851	0.005	99	4290187	40.0	34.0	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	1730367	10.0	10.0	
74 Chlorobenzene	112	18.819	18.814	0.005	95	6452676	40.0	32.9	
75 Ethylbenzene	91	19.007	19.007	0.000	98	10184356	40.0	32.5	
76 m-Xylene & p-Xylene	106	19.274	19.269	0.005	0	8069780	80.0	65.0	
77 n-Nonane	57	19.338	19.338	0.000	82	3895155	40.0	31.2	
S 78 Xylenes, Total	106				0		120.0	97.3	
79 o-Xylene	106	20.039	20.039	0.000	99	3928751	40.0	32.4	
80 Styrene	104	20.077	20.077	0.000	99	6342961	40.0	36.4	
81 Bromoform	173	20.430	20.430	0.000	97	5919694	40.0	38.5	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	12114352	40.0	32.3	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	98	5193074	40.0	32.4	
84 1,2,3-Trichloropropane	75	21.350	21.345	0.005	96	4491501	40.0	32.5	
85 N-Propylbenzene	91	21.462	21.457	0.005	99	13594865	40.0	31.9	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	8795077	40.0	32.0	
87 4-Ethyltoluene	105	21.660	21.655	0.005	98	11902023	40.0	32.6	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	10358360	40.0	32.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57	21.789	21.783	0.005	95	4934218	40.0	30.9	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	90	5423702	40.0	37.2	
91 tert-Butylbenzene	119	22.233	22.233	0.000	95	10258844	40.0	31.6	
92 1,2,4-Trimethylbenzene	105	22.323	22.318	0.005	98	10398815	40.0	32.5	
93 sec-Butylbenzene	105	22.559	22.559	0.000	97	14252499	40.0	31.0	
94 1,3-Dichlorobenzene	146	22.735	22.730	0.005	98	7347895	40.0	33.5	
95 4-Isopropyltoluene	119	22.778	22.773	0.005	96	12909659	40.0	31.7	
96 1,4-Dichlorobenzene	146	22.880	22.875	0.005	95	7432515	40.0	34.1	
97 Benzyl chloride	91	23.014	23.014	0.000	99	6628697	40.0	44.8	
98 n-Butylbenzene	91	23.329	23.329	0.000	97	11109452	40.0	31.6	
99 1,2-Dichlorobenzene	146	23.361	23.356	0.005	96	6951203	40.0	32.5	
100 Undecane	57	23.479	23.479	0.000	90	5704492	40.0	31.9	
101 Dodecane	57	25.052	25.052	0.000	94	5789317	40.0	32.4	
102 1,2,4-Trichlorobenzene	180	25.785	25.779	0.006	94	7414874	40.0	35.1	
103 Hexachlorobutadiene	225	26.025	26.026	-0.001	98	7962711	40.0	34.0	
104 Naphthalene	128	26.256	26.250	0.006	99	14692796	40.0	35.3	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	6515371	40.0	35.3	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL7w_00123

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D

Injection Date: 05-Oct-2022 01:42:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ic

Worklist Smp#: 13

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0008

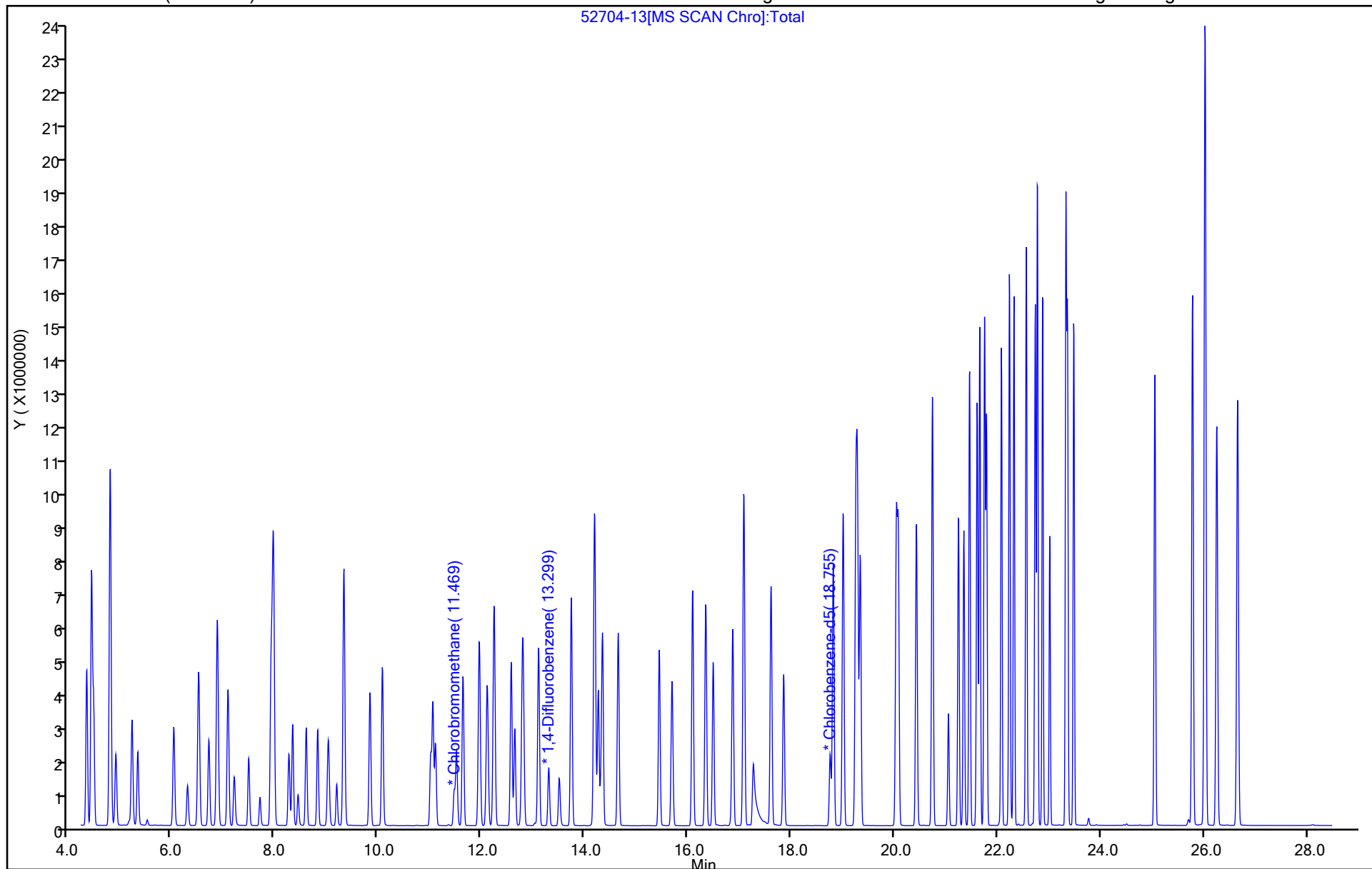
ALS Bottle#: 13

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration

/ Propene

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

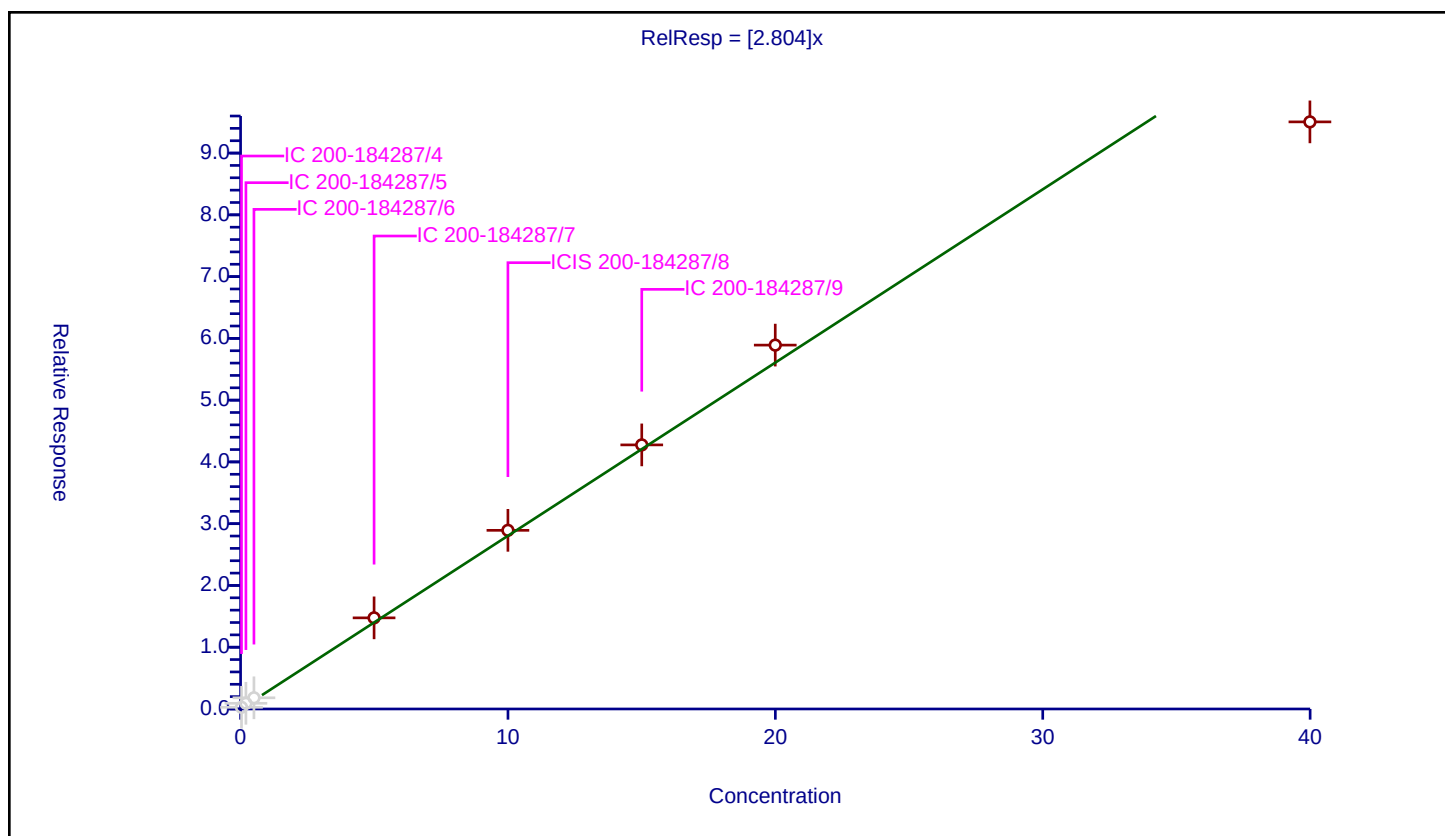
Curve Coefficients

Intercept: 0
Slope: 2.804

Error Coefficients

Standard Error: 2310000
Relative Standard Error: 8.7
Correlation Coefficient: 0.983
Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.273705	10.0	327762.0	7.802981	N
2	IC 200-184287/5	0.20044	0.921381	10.0	328268.0	4.596801	N
3	IC 200-184287/6	0.500453	1.810365	10.0	341213.0	3.617455	N
4	IC 200-184287/7	4.992563	14.754082	10.0	343509.0	2.955212	Y
5	ICIS 200-184287/8	9.99806	28.922469	10.0	348584.0	2.892808	Y
6	IC 200-184287/9	15.003557	42.756816	10.0	361348.0	2.849779	Y
7	IC 200-184287/12	19.99612	58.912035	10.0	372567.0	2.946173	Y
8	IC 200-184287/13	39.99224	95.048732	10.0	376546.0	2.376679	Y



Calibration

/ Dichlorodifluoromethane

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

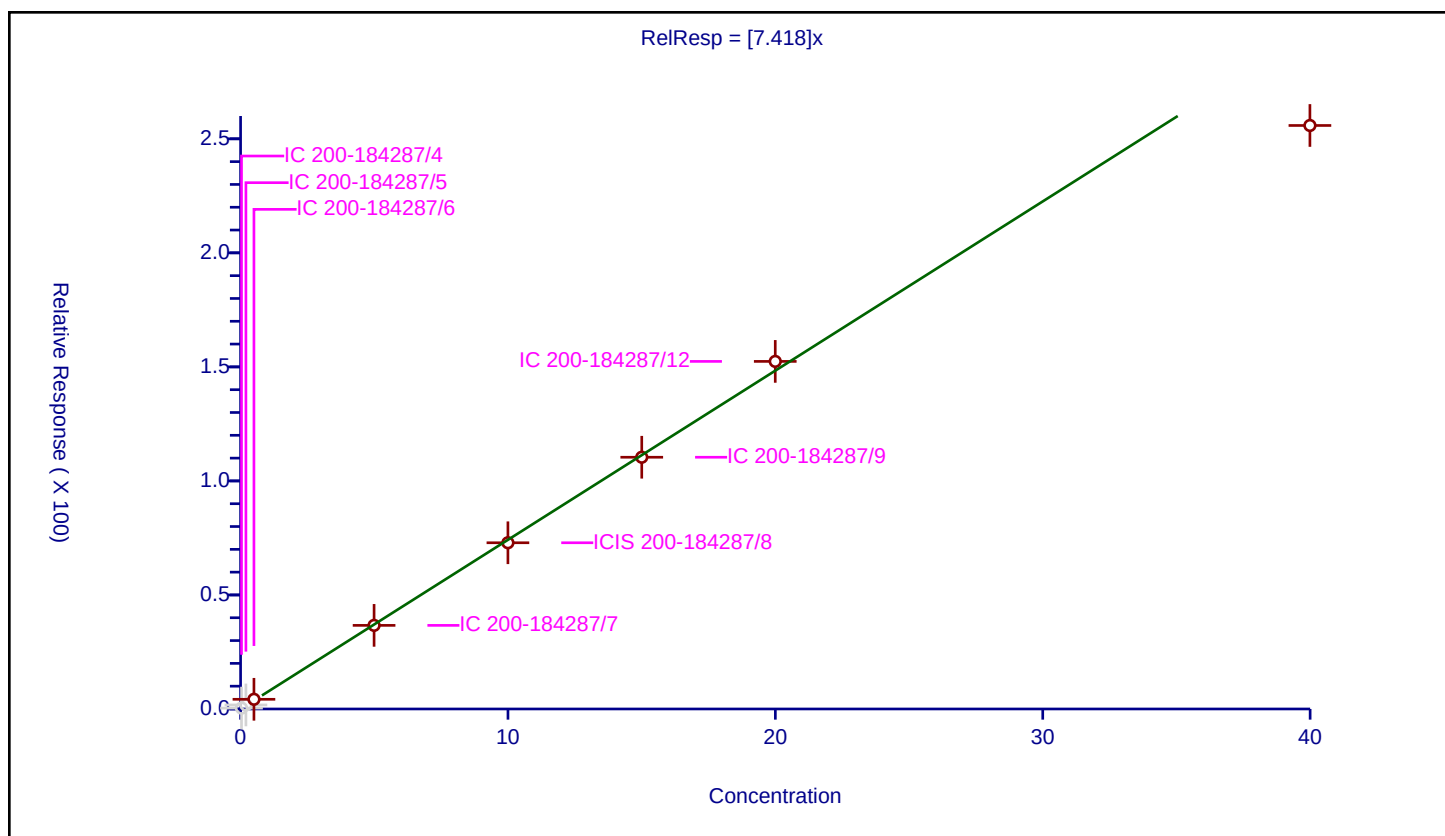
Curve Coefficients

Intercept: 0
Slope: 7.418

Error Coefficients

Standard Error: 5460000
Relative Standard Error: 9.1
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.393822	10.0	327762.0	11.227386	N
2	IC 200-184287/5	0.20044	1.772332	10.0	328268.0	8.842224	N
3	IC 200-184287/6	0.500453	4.253765	10.0	341213.0	8.499837	Y
4	IC 200-184287/7	4.992563	36.661456	10.0	343509.0	7.343214	Y
5	ICIS 200-184287/8	9.99806	72.890724	10.0	348584.0	7.290487	Y
6	IC 200-184287/9	15.003557	110.384477	10.0	361348.0	7.357221	Y
7	IC 200-184287/12	19.99612	152.400803	10.0	372567.0	7.621519	Y
8	IC 200-184287/13	39.99224	255.846616	10.0	376546.0	6.397407	Y



Calibration

/ Chlorodifluoromethane

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

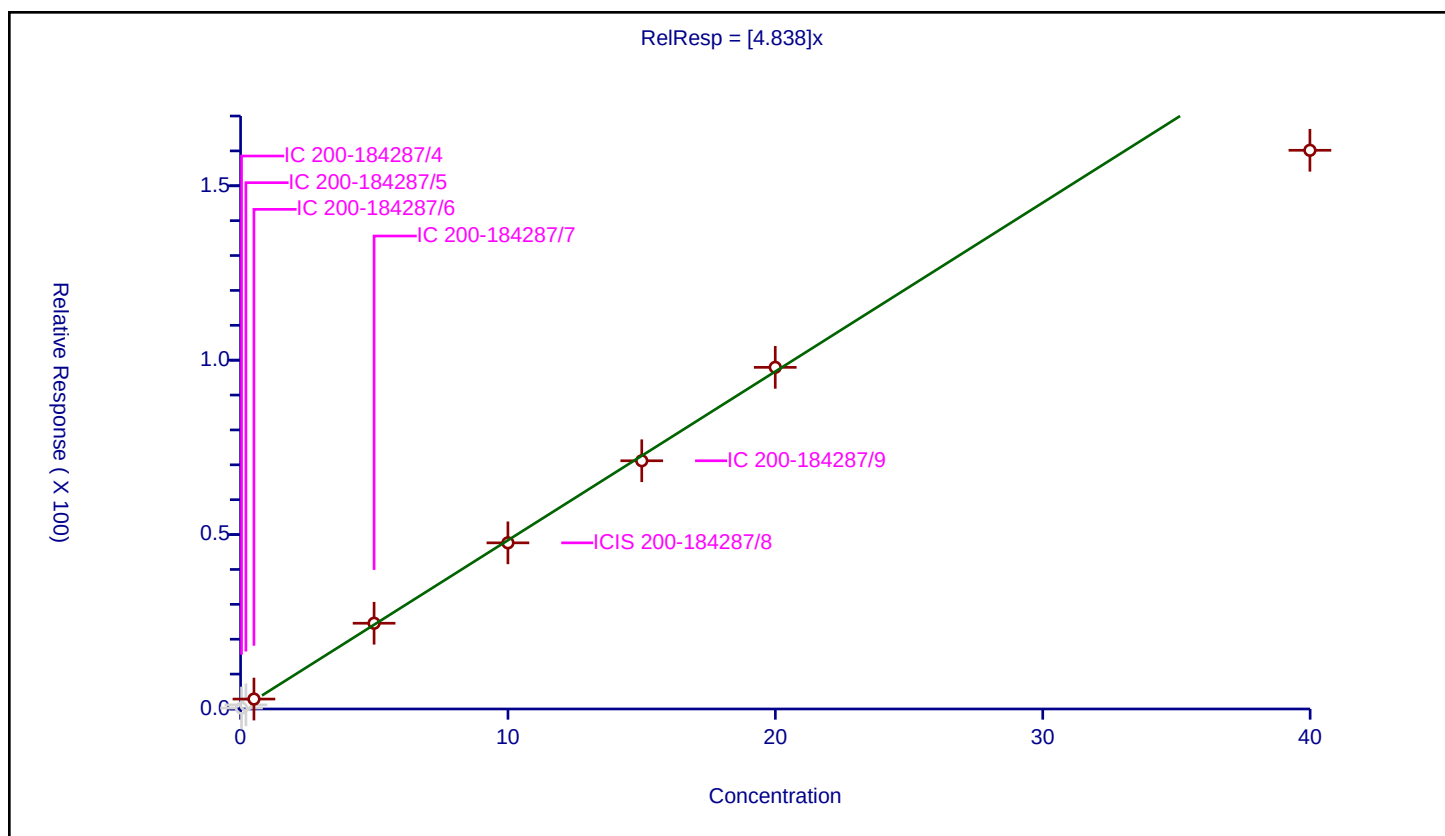
Curve Coefficients

Intercept: 0
 Slope: 4.838

Error Coefficients

Standard Error: 3460000
 Relative Standard Error: 11.1
 Correlation Coefficient: 0.988
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.269372	10.0	327762.0	7.679469	N
2	IC 200-184287/5	0.20044	1.182723	10.0	328268.0	5.900642	N
3	IC 200-184287/6	0.500453	2.850097	10.0	341213.0	5.695038	Y
4	IC 200-184287/7	4.992563	24.579764	10.0	343509.0	4.923276	Y
5	ICIS 200-184287/8	9.99806	47.63552	10.0	348584.0	4.764476	Y
6	IC 200-184287/9	15.003557	71.16367	10.0	361348.0	4.74312	Y
7	IC 200-184287/12	19.99612	97.943296	10.0	372567.0	4.898115	Y
8	IC 200-184287/13	39.99224	160.174295	10.0	376546.0	4.005134	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

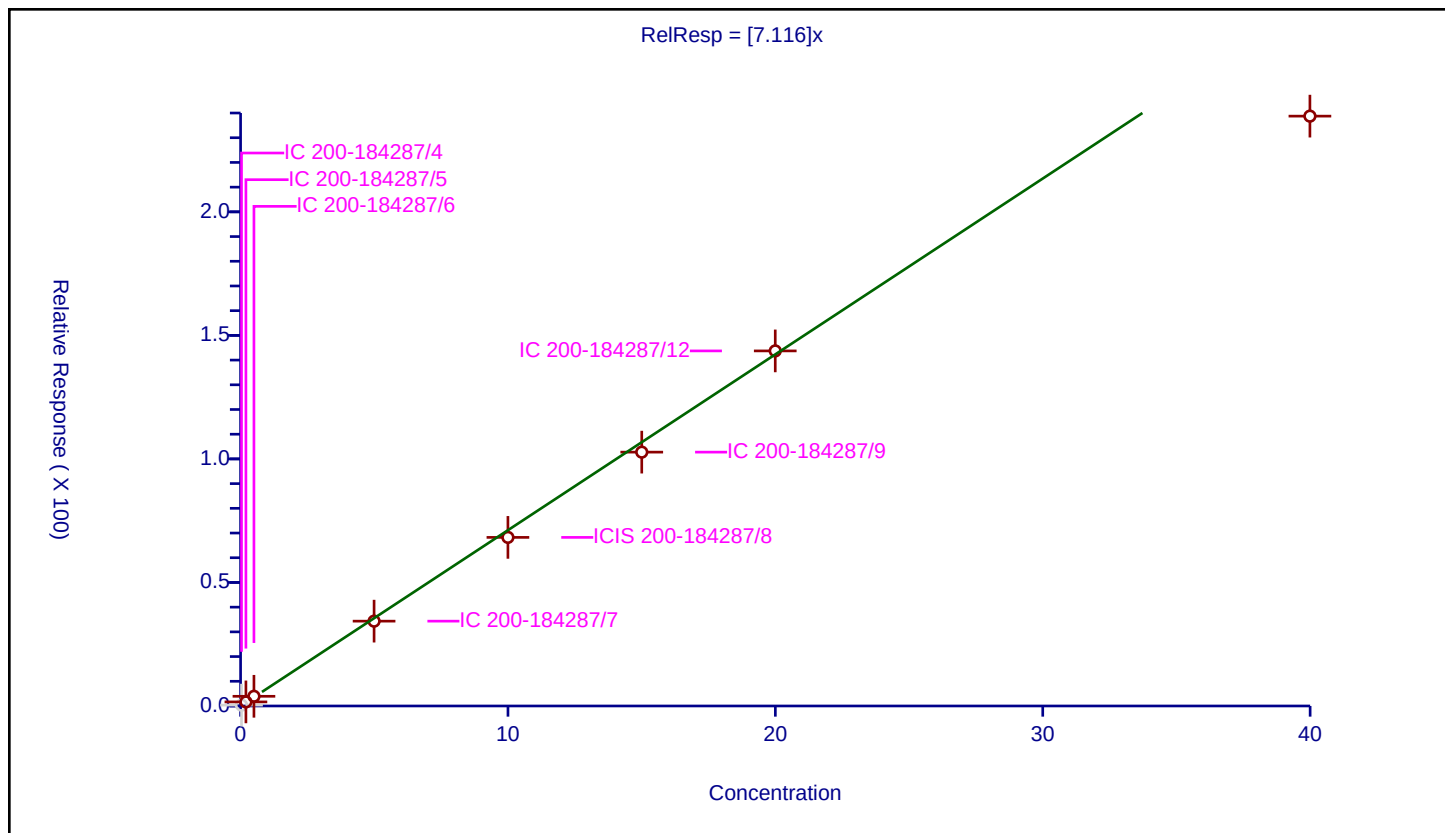
Curve Coefficients

Intercept: 0
 Slope: 7.116

Error Coefficients

Standard Error: 4660000
 Relative Standard Error: 10.5
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.349827	10.0	327762.0	9.973133	N
2	IC 200-184287/5	0.20044	1.655842	10.0	328268.0	8.26105	Y
3	IC 200-184287/6	0.500453	3.923971	10.0	341213.0	7.840845	Y
4	IC 200-184287/7	4.992563	34.334792	10.0	343509.0	6.877188	Y
5	ICIS 200-184287/8	9.99806	68.242375	10.0	348584.0	6.825562	Y
6	IC 200-184287/9	15.003557	102.73988	10.0	361348.0	6.847702	Y
7	IC 200-184287/12	19.99612	143.719573	10.0	372567.0	7.187373	Y
8	IC 200-184287/13	39.99224	238.740977	10.0	376546.0	5.969683	Y



Calibration

/ Chloromethane

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

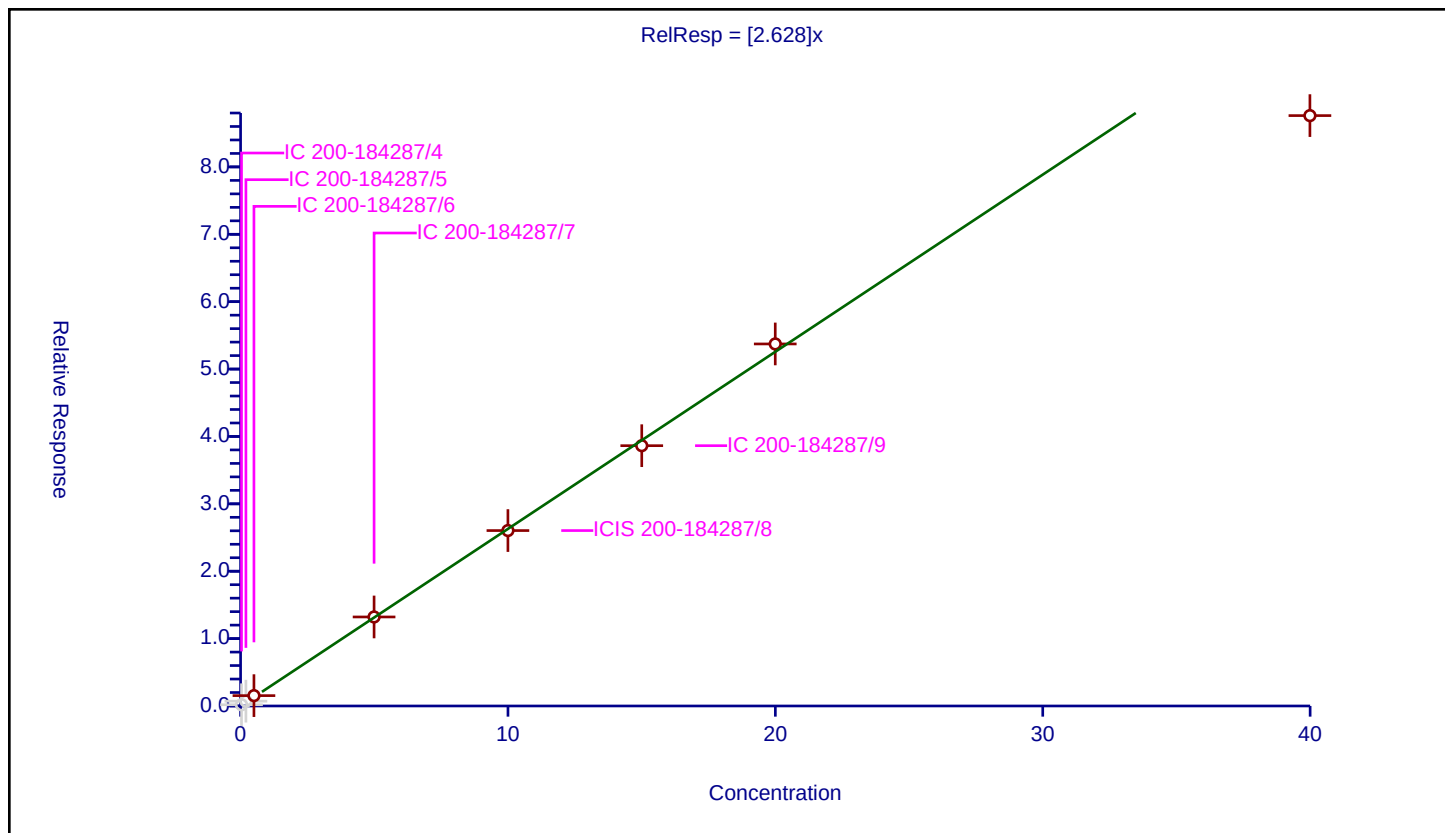
Curve Coefficients

Intercept: 0
 Slope: 2.628

Error Coefficients

Standard Error: 1890000
 Relative Standard Error: 10.7
 Correlation Coefficient: 0.987
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.182327	10.0	327762.0	5.197928	N
2	IC 200-184287/5	0.20044	0.713198	10.0	328268.0	3.558167	N
3	IC 200-184287/6	0.500453	1.53561	10.0	341213.0	3.068442	Y
4	IC 200-184287/7	4.992563	13.210338	10.0	343509.0	2.646003	Y
5	ICIS 200-184287/8	9.99806	26.032721	10.0	348584.0	2.603777	Y
6	IC 200-184287/9	15.003557	38.631015	10.0	361348.0	2.57479	Y
7	IC 200-184287/12	19.99612	53.729799	10.0	372567.0	2.687011	Y
8	IC 200-184287/13	39.99224	87.614103	10.0	376546.0	2.190778	Y



Calibration

/ Vinyl chloride

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

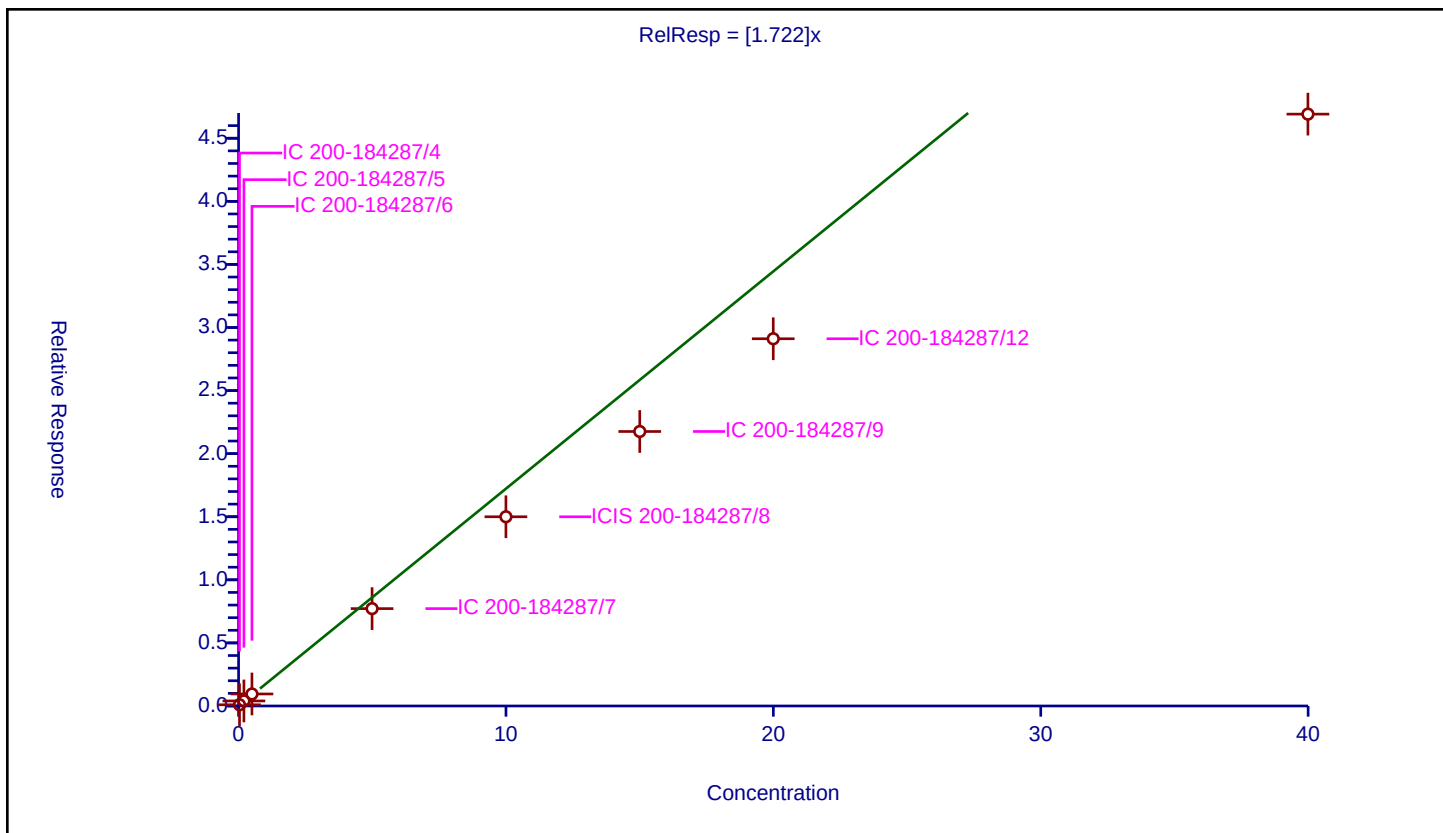
Curve Coefficients

Intercept: 0
 Slope: 1.722

Error Coefficients

Standard Error: 867000
 Relative Standard Error: 28.7
 Correlation Coefficient: 0.987
 Coefficient of Determination (Adjusted): 0.887

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.096747	10.0	327762.0	2.758138	Y
2	IC 200-184287/5	0.20044	0.399978	10.0	328268.0	1.995504	Y
3	IC 200-184287/6	0.500453	0.951605	10.0	341213.0	1.901489	Y
4	IC 200-184287/7	4.992563	7.717032	10.0	343509.0	1.545706	Y
5	ICIS 200-184287/8	9.99806	14.997734	10.0	348584.0	1.500064	Y
6	IC 200-184287/9	15.003557	21.757226	10.0	361348.0	1.450138	Y
7	IC 200-184287/12	19.99612	29.107489	10.0	372567.0	1.455657	Y
8	IC 200-184287/13	39.99224	46.911772	10.0	376546.0	1.173022	Y



Calibration

/ Butane

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

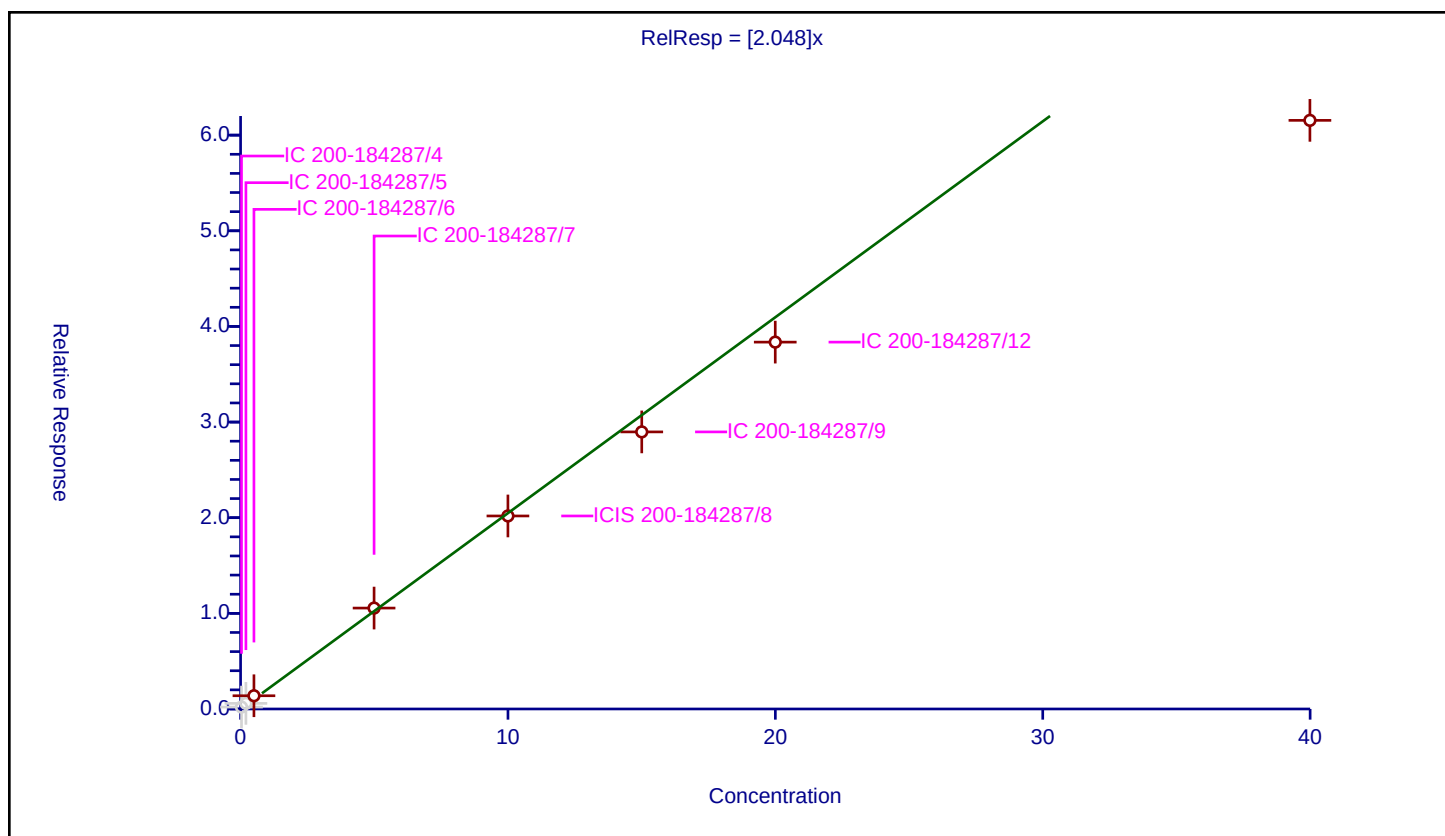
Curve Coefficients

Intercept: 0
Slope: 2.048

Error Coefficients

Standard Error: 1350000
Relative Standard Error: 19.7
Correlation Coefficient: 0.984
Coefficient of Determination (Adjusted): 0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.199657	10.0	327762.0	5.691975	N
2	IC 200-184287/5	0.20044	0.587873	10.0	328268.0	2.932919	N
3	IC 200-184287/6	0.500453	1.385088	10.0	341213.0	2.767671	Y
4	IC 200-184287/7	4.992563	10.55067	10.0	343509.0	2.113277	Y
5	ICIS 200-184287/8	9.99806	20.182854	10.0	348584.0	2.018677	Y
6	IC 200-184287/9	15.003557	28.970577	10.0	361348.0	1.930914	Y
7	IC 200-184287/12	19.99612	38.359463	10.0	372567.0	1.918345	Y
8	IC 200-184287/13	39.99224	61.544884	10.0	376546.0	1.538921	Y



Calibration

/ Butadiene

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

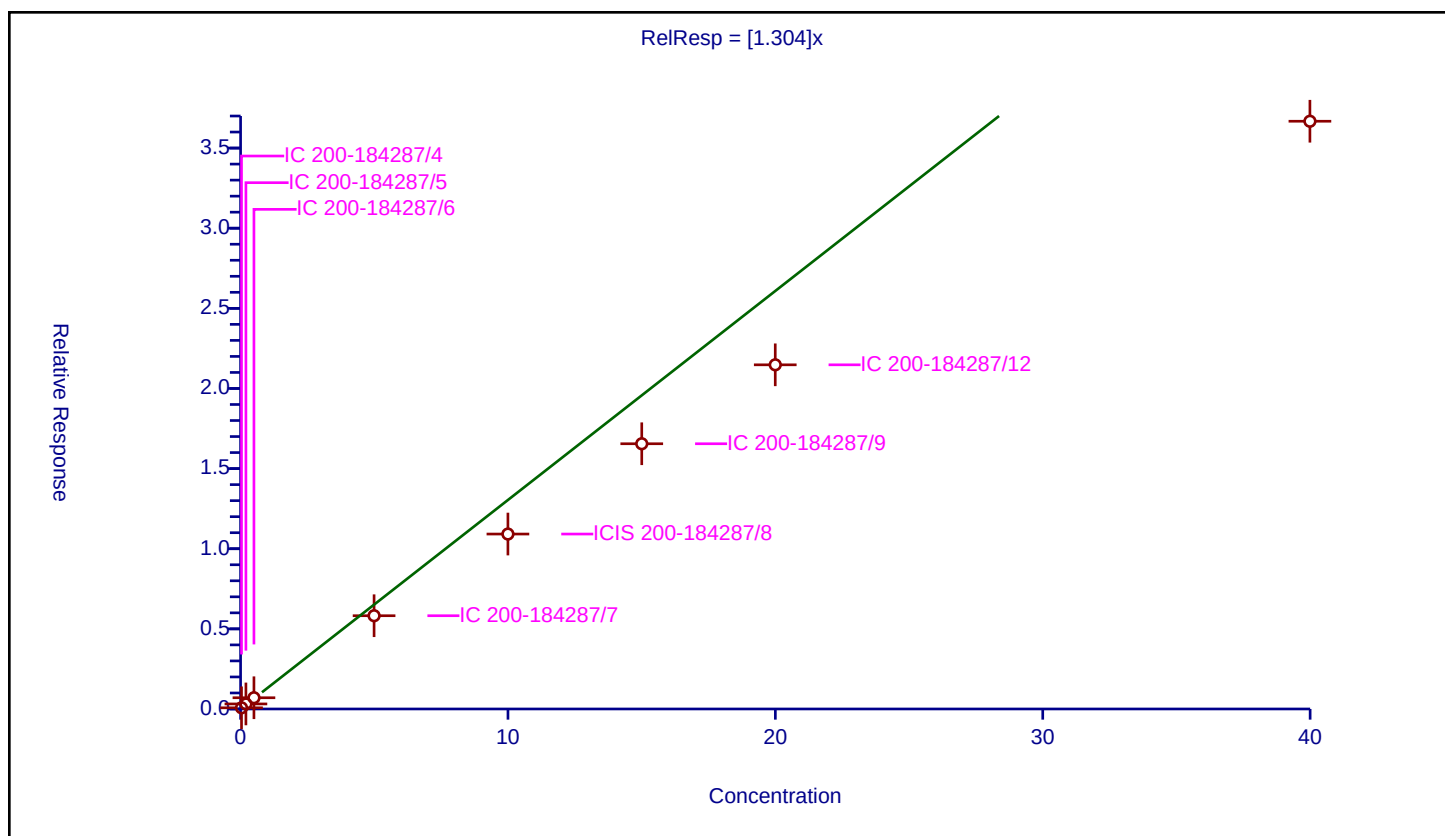
Curve Coefficients

Intercept: 0
Slope: 1.304

Error Coefficients

Standard Error: 664000
Relative Standard Error: 29.5
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.880

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.073926	10.0	327762.0	2.107527	Y
2	IC 200-184287/5	0.20044	0.315261	10.0	328268.0	1.572846	Y
3	IC 200-184287/6	0.500453	0.701966	10.0	341213.0	1.402663	Y
4	IC 200-184287/7	4.992563	5.820139	10.0	343509.0	1.165762	Y
5	ICIS 200-184287/8	9.99806	10.91691	10.0	348584.0	1.091903	Y
6	IC 200-184287/9	15.003557	16.549863	10.0	361348.0	1.103063	Y
7	IC 200-184287/12	19.99612	21.475627	10.0	372567.0	1.07399	Y
8	IC 200-184287/13	39.99224	36.673315	10.0	376546.0	0.917011	Y



Calibration

/ Bromomethane

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

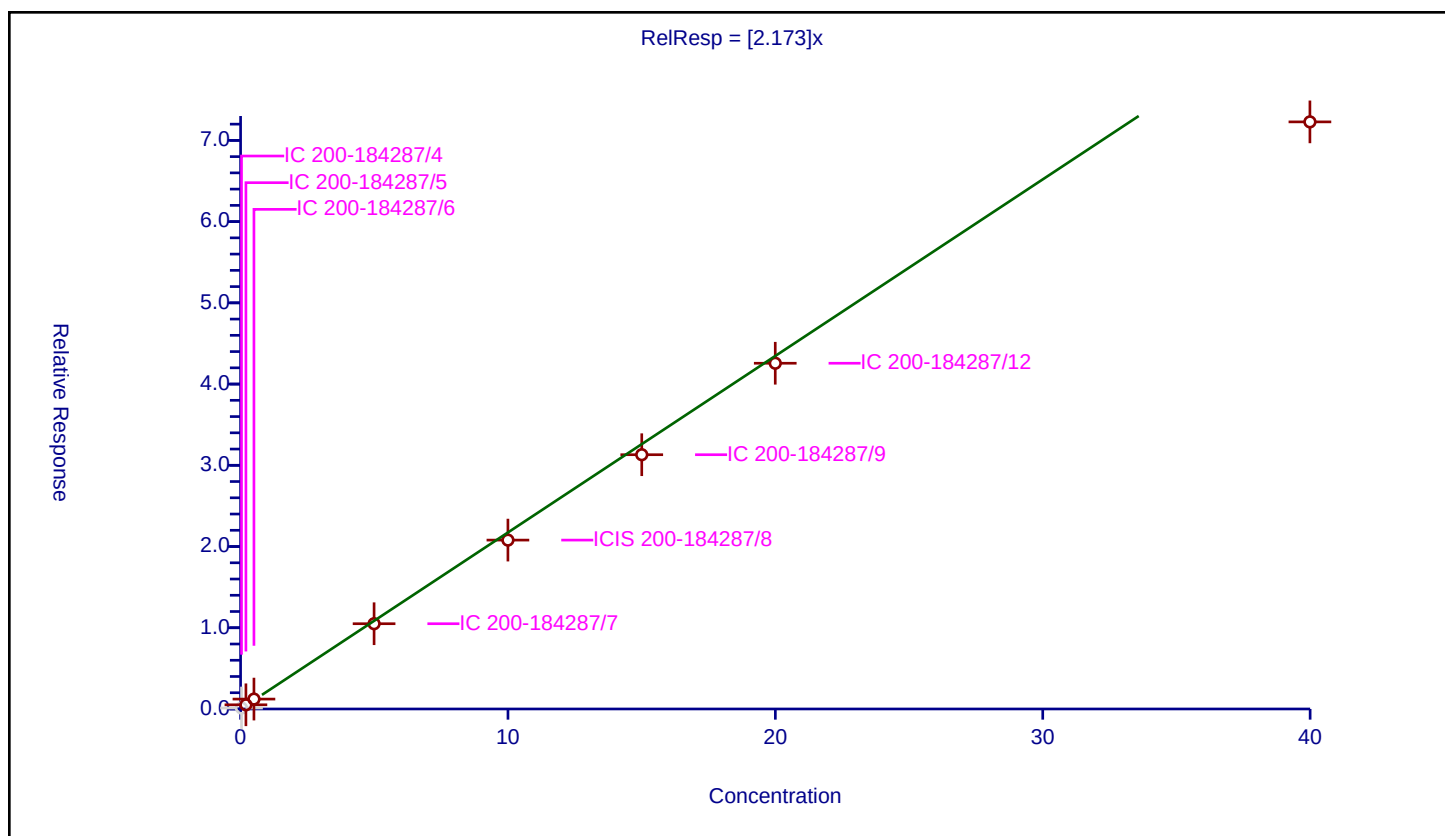
Curve Coefficients

Intercept: 0
 Slope: 2.173

Error Coefficients

Standard Error: 1410000
 Relative Standard Error: 11.7
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.120423	10.0	327762.0	3.433103	N
2	IC 200-184287/5	0.20044	0.515615	10.0	328268.0	2.572421	Y
3	IC 200-184287/6	0.500453	1.219004	10.0	341213.0	2.435803	Y
4	IC 200-184287/7	4.992563	10.497454	10.0	343509.0	2.102618	Y
5	ICIS 200-184287/8	9.99806	20.79143	10.0	348584.0	2.079547	Y
6	IC 200-184287/9	15.003557	31.30539	10.0	361348.0	2.086531	Y
7	IC 200-184287/12	19.99612	42.563378	10.0	372567.0	2.128582	Y
8	IC 200-184287/13	39.99224	72.278739	10.0	376546.0	1.807319	Y



Calibration

/ Chloroethane

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

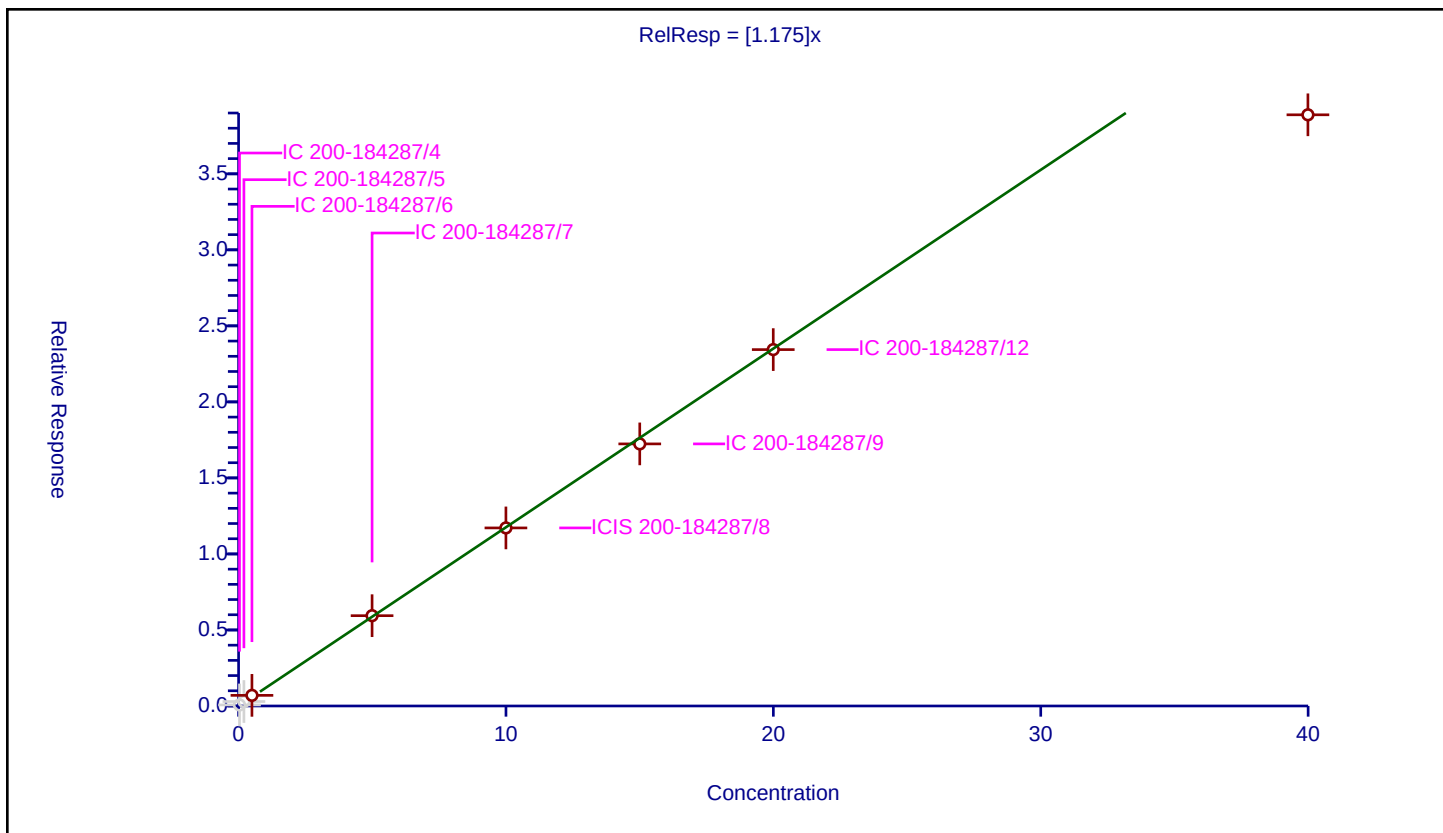
Curve Coefficients

Intercept: 0
 Slope: 1.175

Error Coefficients

Standard Error: 837000
 Relative Standard Error: 11.5
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.07002	10.0	327762.0	1.996192	N
2	IC 200-184287/5	0.20044	0.292992	10.0	328268.0	1.461748	N
3	IC 200-184287/6	0.500453	0.699416	10.0	341213.0	1.397568	Y
4	IC 200-184287/7	4.992563	5.940165	10.0	343509.0	1.189803	Y
5	ICIS 200-184287/8	9.99806	11.71118	10.0	348584.0	1.171345	Y
6	IC 200-184287/9	15.003557	17.23787	10.0	361348.0	1.148919	Y
7	IC 200-184287/12	19.99612	23.440213	10.0	372567.0	1.172238	Y
8	IC 200-184287/13	39.99224	38.881757	10.0	376546.0	0.972233	Y



Calibration

/ 2-Methylbutane

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

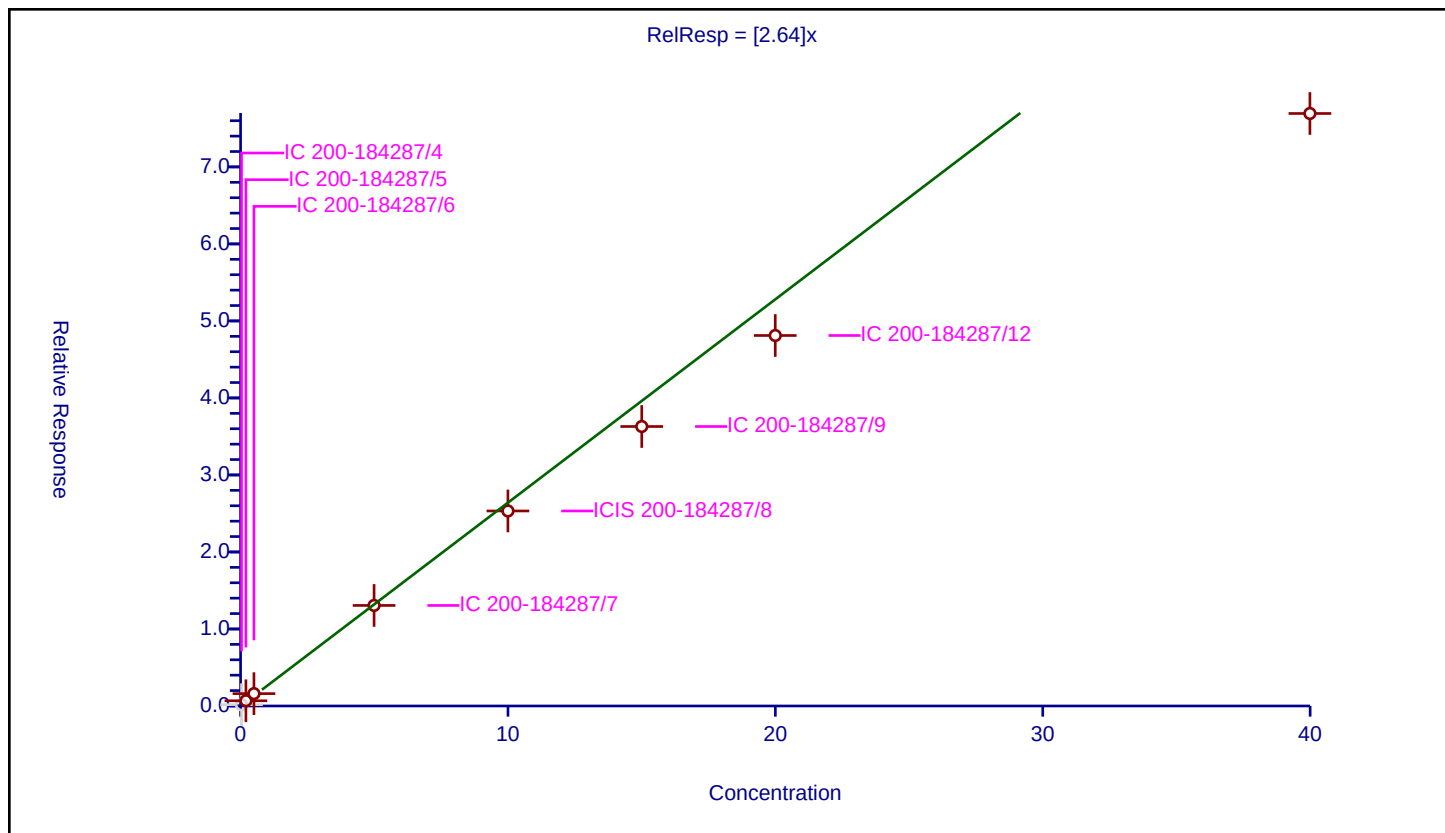
Curve Coefficients

Intercept: 0
Slope: 2.64

Error Coefficients

Standard Error: 1540000
Relative Standard Error: 18.9
Correlation Coefficient: 0.985
Coefficient of Determination (Adjusted): 0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.167774	10.0	327762.0	4.783033	N
2	IC 200-184287/5	0.20044	0.67783	10.0	328268.0	3.381717	Y
3	IC 200-184287/6	0.500453	1.603485	10.0	341213.0	3.20407	Y
4	IC 200-184287/7	4.992563	13.058086	10.0	343509.0	2.615508	Y
5	ICIS 200-184287/8	9.99806	25.324283	10.0	348584.0	2.53292	Y
6	IC 200-184287/9	15.003557	36.291746	10.0	361348.0	2.418876	Y
7	IC 200-184287/12	19.99612	48.109843	10.0	372567.0	2.405959	Y
8	IC 200-184287/13	39.99224	76.937904	10.0	376546.0	1.923821	Y



Calibration

/ Vinyl bromide

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

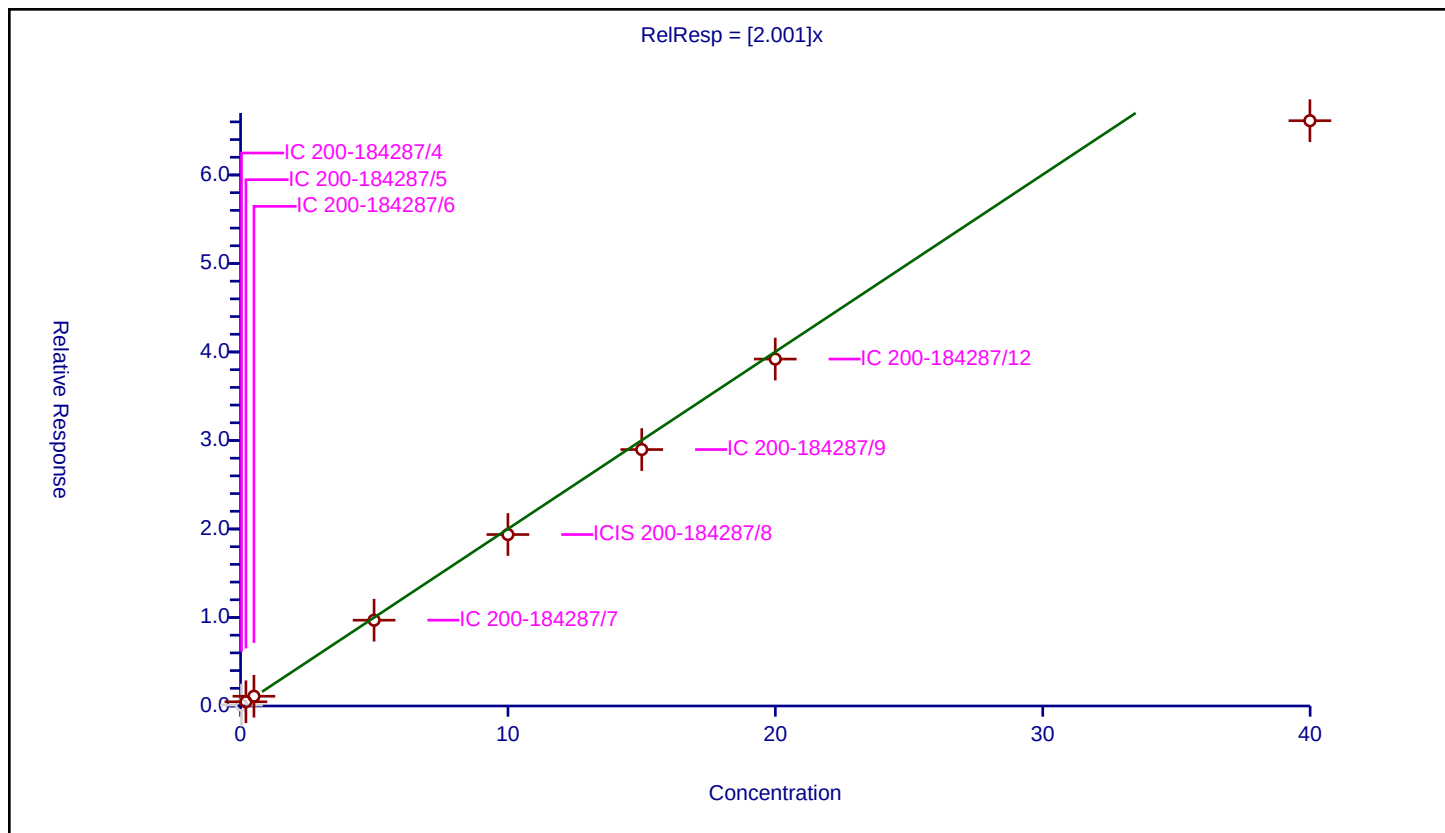
Curve Coefficients

Intercept: 0
 Slope: 2.001

Error Coefficients

Standard Error: 1290000
 Relative Standard Error: 11.5
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.102666	10.0	327762.0	2.926879	N
2	IC 200-184287/5	0.20044	0.477323	10.0	328268.0	2.381382	Y
3	IC 200-184287/6	0.500453	1.102742	10.0	341213.0	2.20349	Y
4	IC 200-184287/7	4.992563	9.695699	10.0	343509.0	1.942028	Y
5	ICIS 200-184287/8	9.99806	19.372633	10.0	348584.0	1.937639	Y
6	IC 200-184287/9	15.003557	28.974756	10.0	361348.0	1.931192	Y
7	IC 200-184287/12	19.99612	39.19754	10.0	372567.0	1.960257	Y
8	IC 200-184287/13	39.99224	66.130938	10.0	376546.0	1.653594	Y



Calibration

/ Trichlorofluoromethane

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

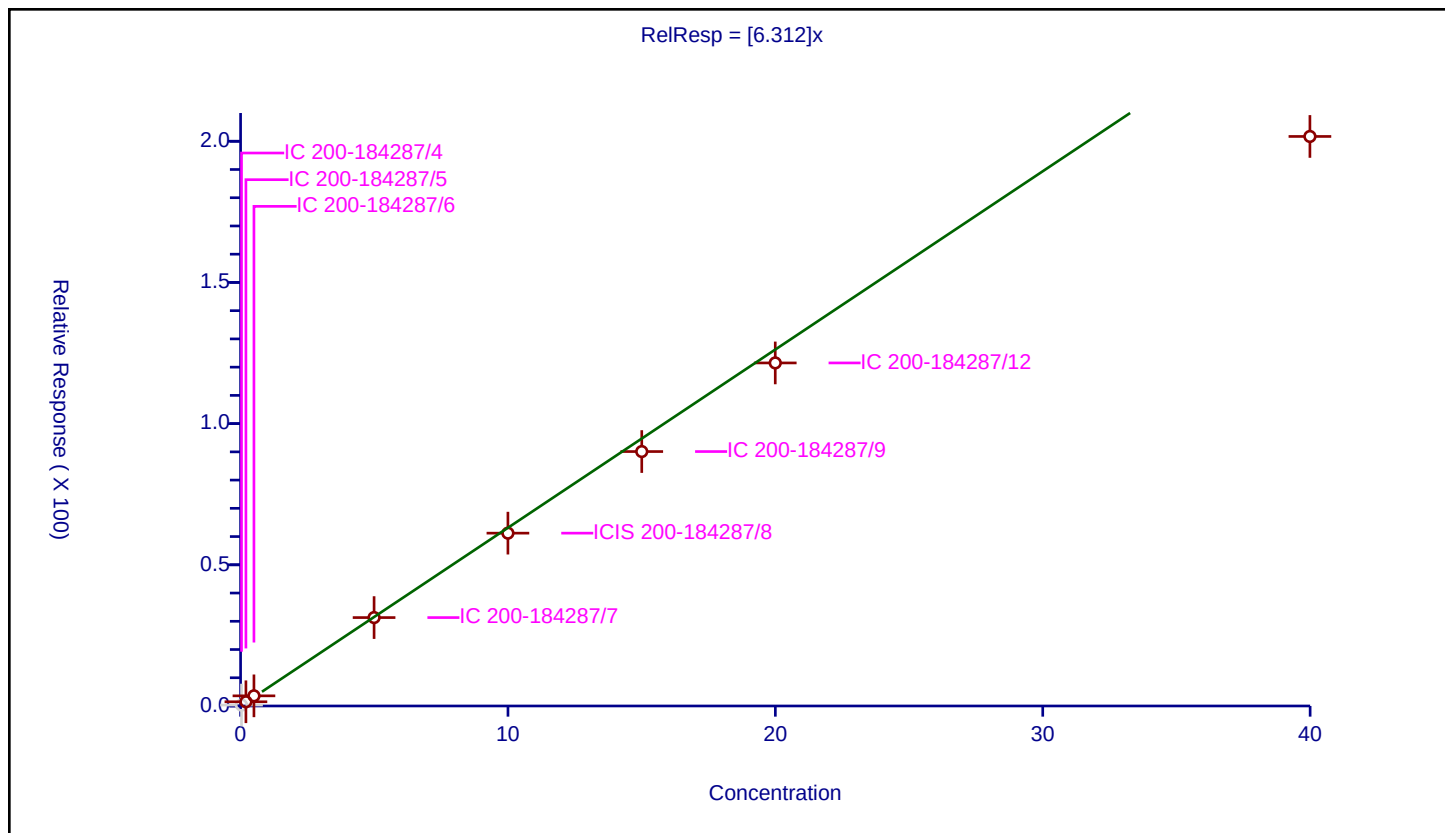
Curve Coefficients

Intercept: 0
 Slope: 6.312

Error Coefficients

Standard Error: 3970000
 Relative Standard Error: 12.8
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.328806	10.0	327762.0	9.373841	N
2	IC 200-184287/5	0.20044	1.500329	10.0	328268.0	7.48519	Y
3	IC 200-184287/6	0.500453	3.593591	10.0	341213.0	7.180682	Y
4	IC 200-184287/7	4.992563	31.314725	10.0	343509.0	6.272275	Y
5	ICIS 200-184287/8	9.99806	61.211645	10.0	348584.0	6.122352	Y
6	IC 200-184287/9	15.003557	90.108649	10.0	361348.0	6.005819	Y
7	IC 200-184287/12	19.99612	121.495624	10.0	372567.0	6.07596	Y
8	IC 200-184287/13	39.99224	201.7029	10.0	376546.0	5.043551	Y



Calibration

/ Pentane

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

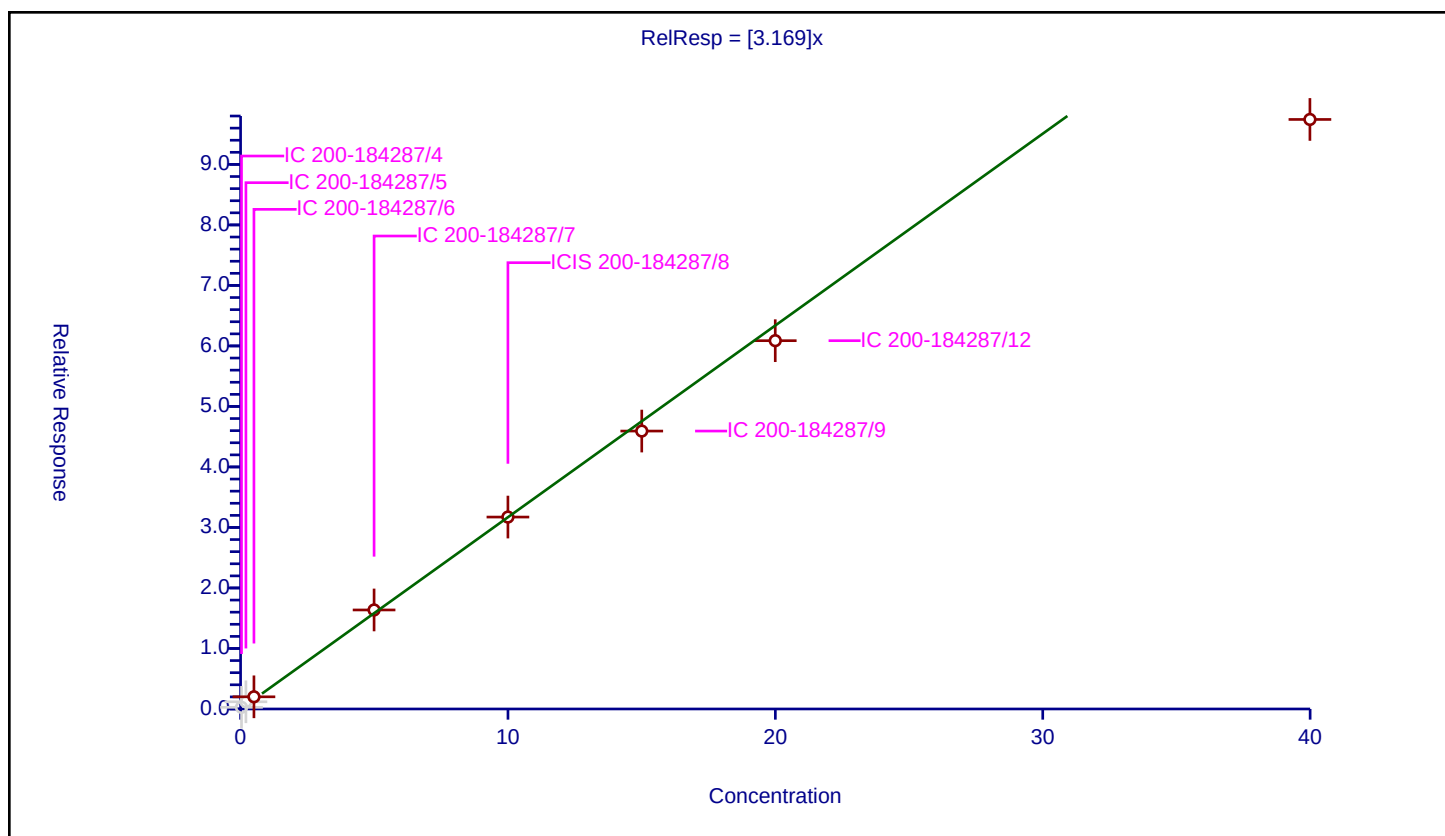
Curve Coefficients

Intercept: 0
Slope: 3.169

Error Coefficients

Standard Error: 2140000
Relative Standard Error: 16.1
Correlation Coefficient: 0.984
Coefficient of Determination (Adjusted): 0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.275169	10.0	327762.0	7.844731	N
2	IC 200-184287/5	0.20044	1.191618	10.0	328268.0	5.94502	N
3	IC 200-184287/6	0.500453	2.013288	10.0	341213.0	4.022934	Y
4	IC 200-184287/7	4.992563	16.366849	10.0	343509.0	3.278246	Y
5	ICIS 200-184287/8	9.99806	31.719241	10.0	348584.0	3.17254	Y
6	IC 200-184287/9	15.003557	45.934473	10.0	361348.0	3.061572	Y
7	IC 200-184287/12	19.99612	60.870125	10.0	372567.0	3.044097	Y
8	IC 200-184287/13	39.99224	97.430194	10.0	376546.0	2.436228	Y



Calibration

/ Ethanol

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

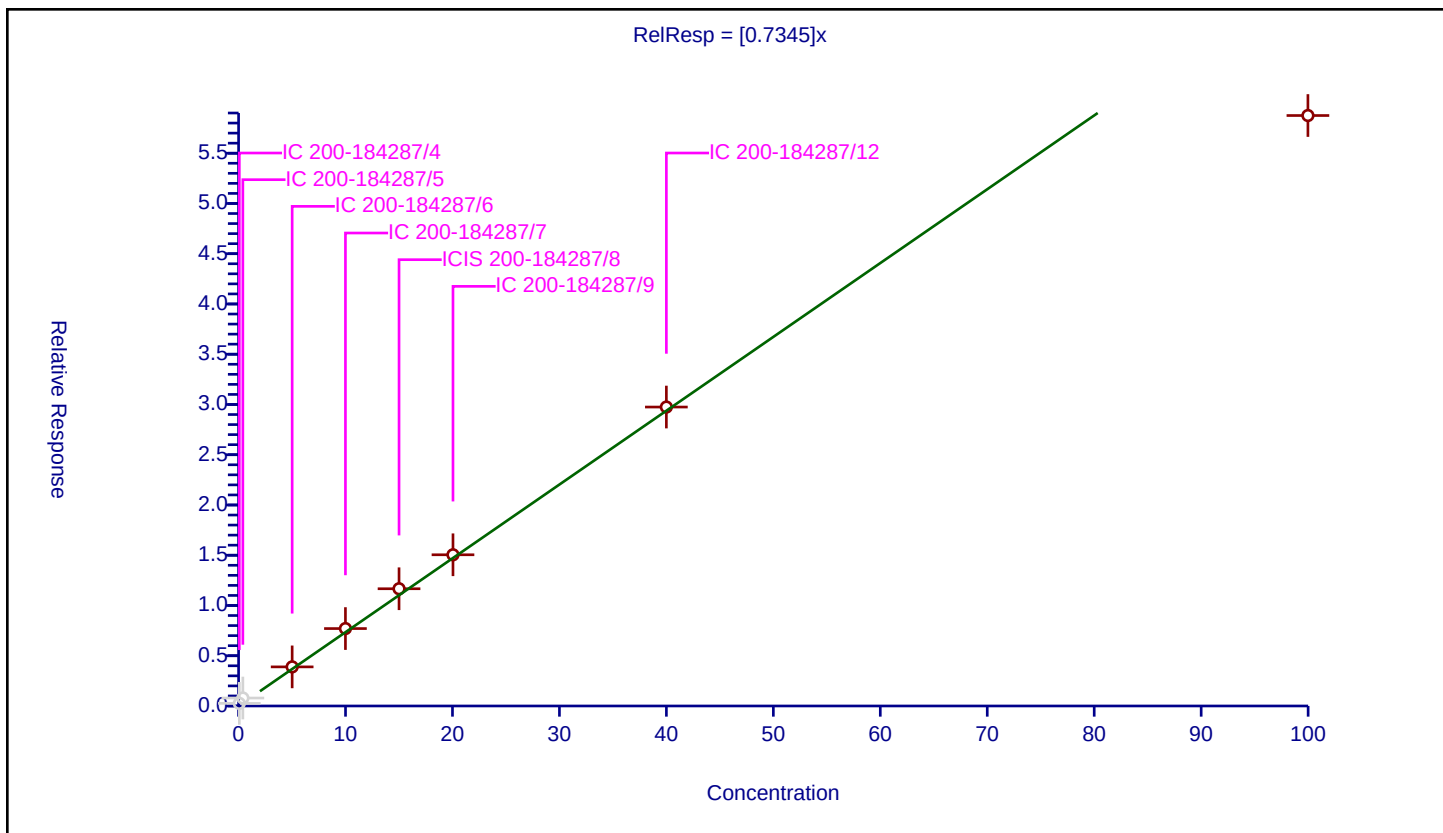
Curve Coefficients

Intercept: 0
 Slope: 0.7345

Error Coefficients

Standard Error: 1150000
 Relative Standard Error: 10.0
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.070165	0.261074	10.0	327762.0	3.72084	N
2	IC 200-184287/5	0.400944	0.792158	10.0	328268.0	1.975731	N
3	IC 200-184287/6	5.010638	3.892319	10.0	341213.0	0.776811	Y
4	IC 200-184287/7	9.991593	7.703001	10.0	343509.0	0.770948	Y
5	ICIS 200-184287/8	15.003557	11.665768	10.0	348584.0	0.777533	Y
6	IC 200-184287/9	20.047856	15.044694	10.0	361348.0	0.750439	Y
7	IC 200-184287/12	39.998707	29.744422	10.0	372567.0	0.743635	Y
8	IC 200-184287/13	99.980599	58.749263	10.0	376546.0	0.587607	Y



Calibration

/ Ethyl ether

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

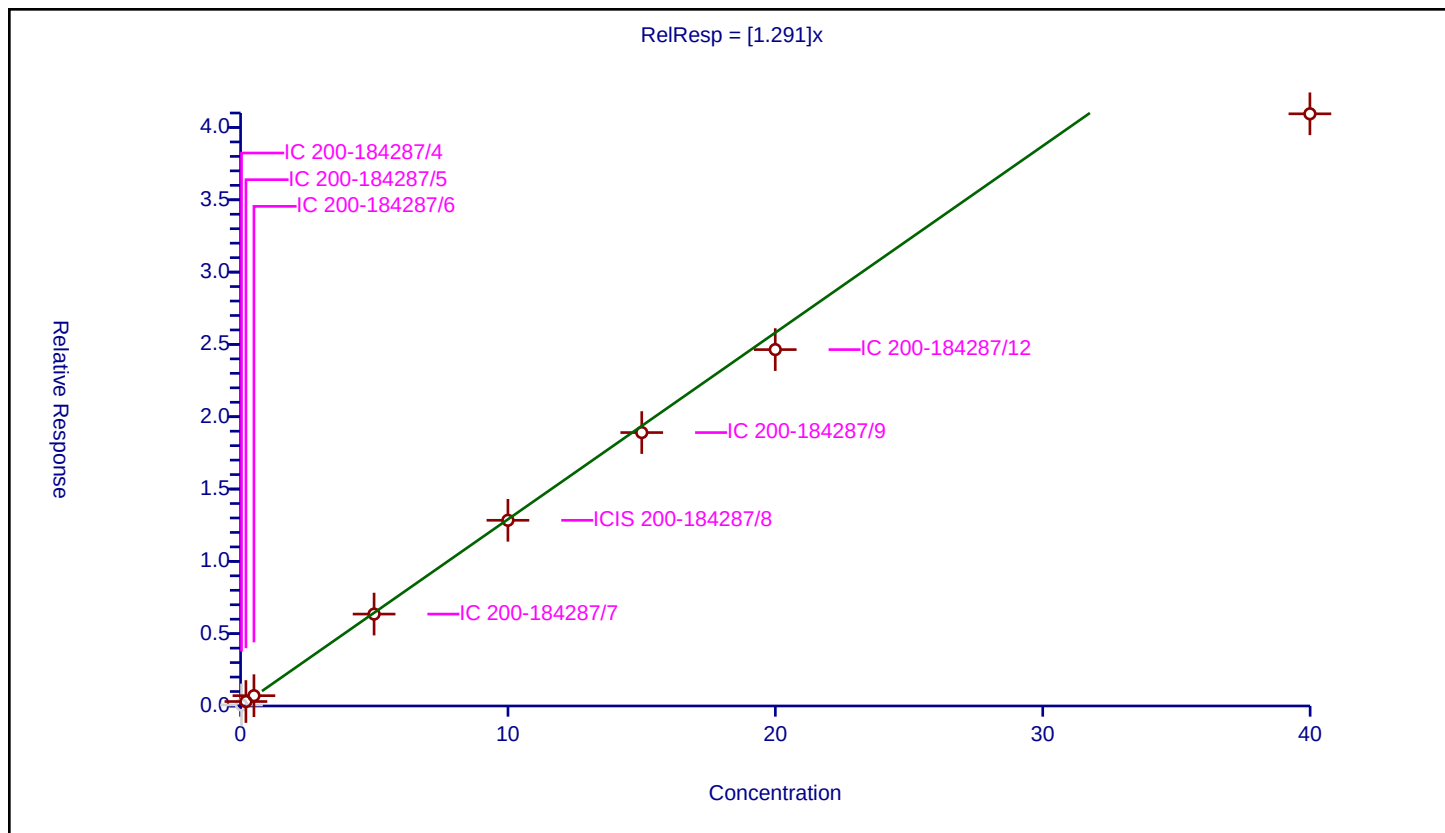
Curve Coefficients

Intercept: 0
Slope: 1.291

Error Coefficients

Standard Error: 810000
Relative Standard Error: 12.5
Correlation Coefficient: 0.989
Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.071607	10.0	327762.0	2.041422	N
2	IC 200-184287/5	0.20044	0.30865	10.0	328268.0	1.539866	Y
3	IC 200-184287/6	0.500453	0.711726	10.0	341213.0	1.422164	Y
4	IC 200-184287/7	4.992563	6.35503	10.0	343509.0	1.272899	Y
5	ICIS 200-184287/8	9.99806	12.83966	10.0	348584.0	1.284215	Y
6	IC 200-184287/9	15.003557	18.904961	10.0	361348.0	1.260032	Y
7	IC 200-184287/12	19.99612	24.641984	10.0	372567.0	1.232338	Y
8	IC 200-184287/13	39.99224	40.945568	10.0	376546.0	1.023838	Y



Calibration

/ Acrolein

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

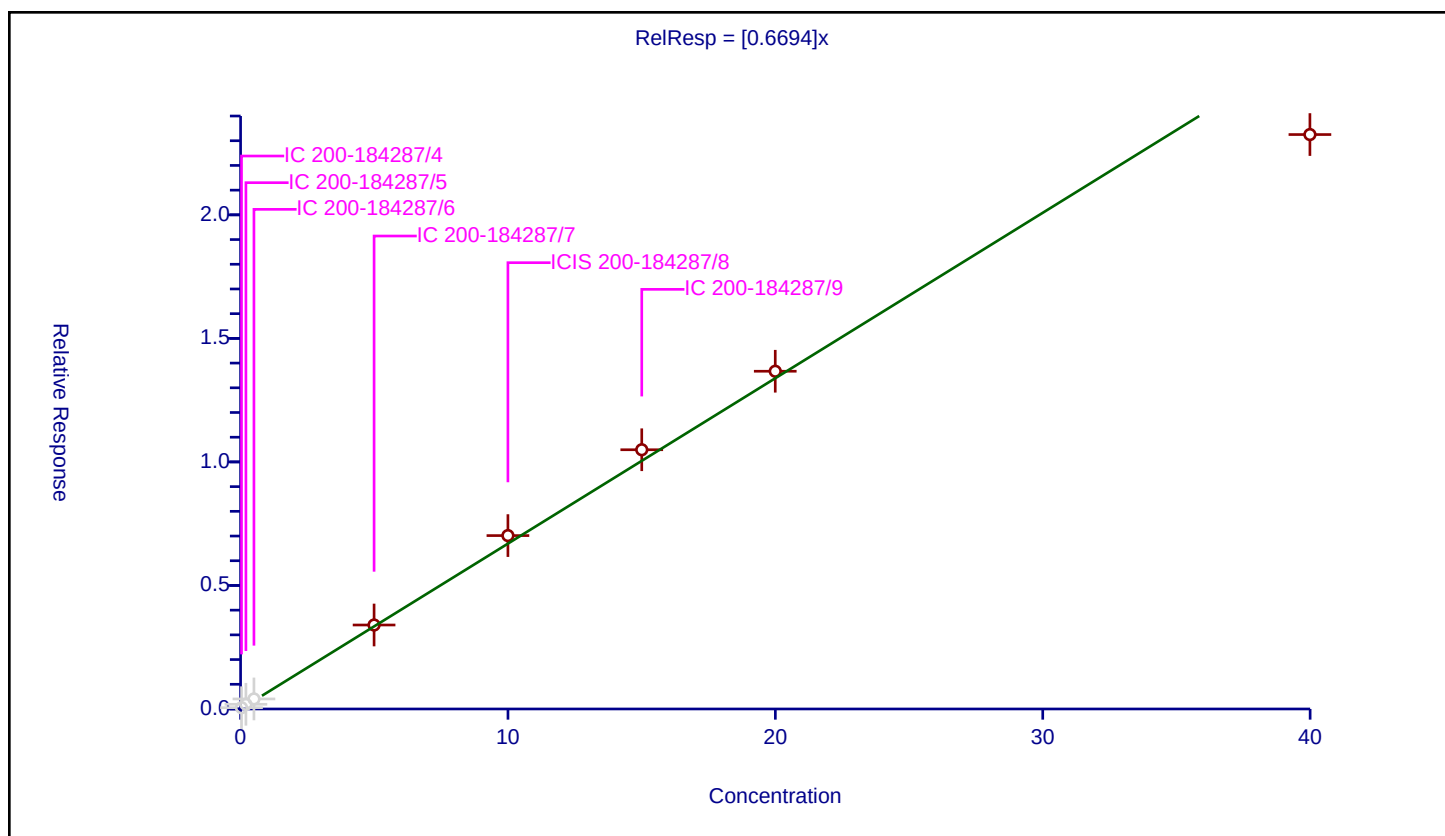
Curve Coefficients

Intercept: 0
Slope: 0.6694

Error Coefficients

Standard Error: 557000
Relative Standard Error: 7.5
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.052843	10.0	327762.0	1.506495	N
2	IC 200-184287/5	0.20044	0.190485	10.0	328268.0	0.950334	N
3	IC 200-184287/6	0.500453	0.406403	10.0	341213.0	0.812071	N
4	IC 200-184287/7	4.992563	3.398834	10.0	343509.0	0.680779	Y
5	ICIS 200-184287/8	9.99806	7.018308	10.0	348584.0	0.701967	Y
6	IC 200-184287/9	15.003557	10.492489	10.0	361348.0	0.699333	Y
7	IC 200-184287/12	19.99612	13.669783	10.0	372567.0	0.683622	Y
8	IC 200-184287/13	39.99224	23.249669	10.0	376546.0	0.581355	Y



Calibration

/ 1,1-Dichloroethene

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

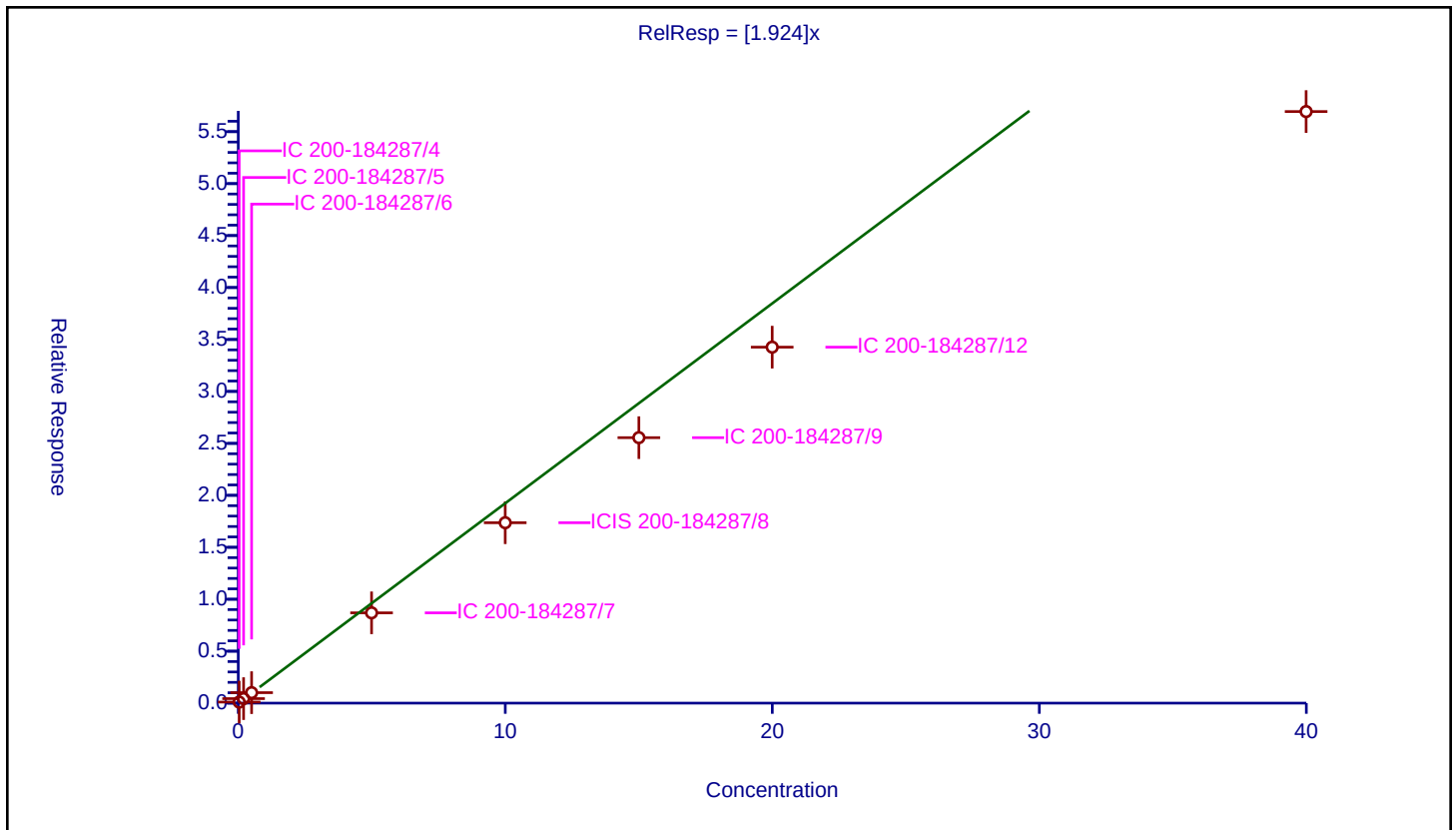
Curve Coefficients

Intercept: 0
 Slope: 1.924

Error Coefficients

Standard Error: 1040000
 Relative Standard Error: 23.4
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.928

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.101415	10.0	327762.0	2.891217	Y
2	IC 200-184287/5	0.20044	0.433518	10.0	328268.0	2.162834	Y
3	IC 200-184287/6	0.500453	1.00978	10.0	341213.0	2.017733	Y
4	IC 200-184287/7	4.992563	8.690427	10.0	343509.0	1.740675	Y
5	ICIS 200-184287/8	9.99806	17.361812	10.0	348584.0	1.736518	Y
6	IC 200-184287/9	15.003557	25.549387	10.0	361348.0	1.702889	Y
7	IC 200-184287/12	19.99612	34.259824	10.0	372567.0	1.713324	Y
8	IC 200-184287/13	39.99224	56.936072	10.0	376546.0	1.423678	Y



Calibration

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

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

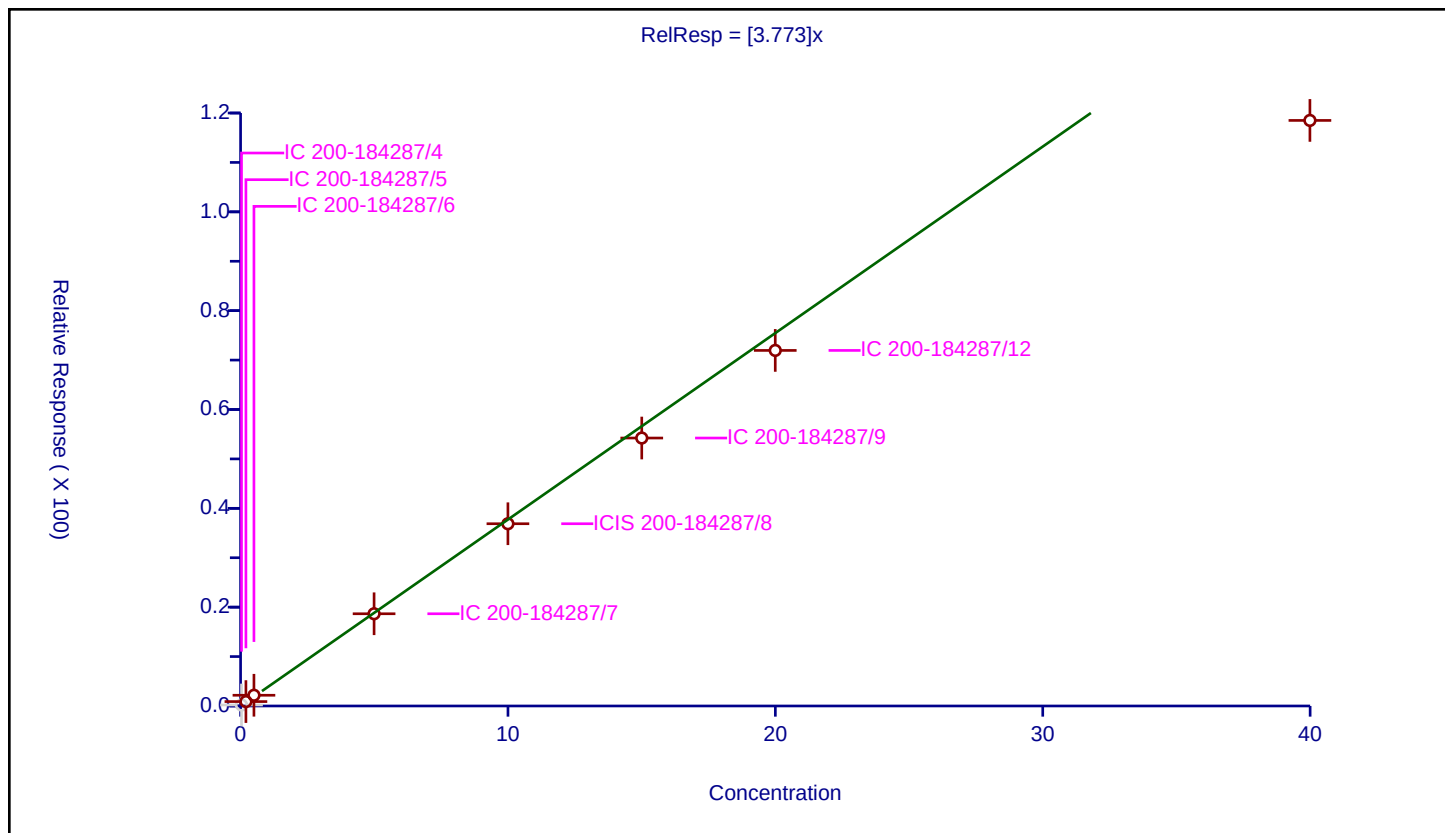
Curve Coefficients

Intercept: 0
 Slope: 3.773

Error Coefficients

Standard Error: 2350000
 Relative Standard Error: 13.4
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.201884	10.0	327762.0	5.75547	N
2	IC 200-184287/5	0.20044	0.895457	10.0	328268.0	4.467466	Y
3	IC 200-184287/6	0.500453	2.17395	10.0	341213.0	4.343968	Y
4	IC 200-184287/7	4.992563	18.663325	10.0	343509.0	3.738225	Y
5	ICIS 200-184287/8	9.99806	36.8821	10.0	348584.0	3.688926	Y
6	IC 200-184287/9	15.003557	54.22731	10.0	361348.0	3.614297	Y
7	IC 200-184287/12	19.99612	71.954145	10.0	372567.0	3.598405	Y
8	IC 200-184287/13	39.99224	118.497767	10.0	376546.0	2.963019	Y



Calibration

/ Acetone

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

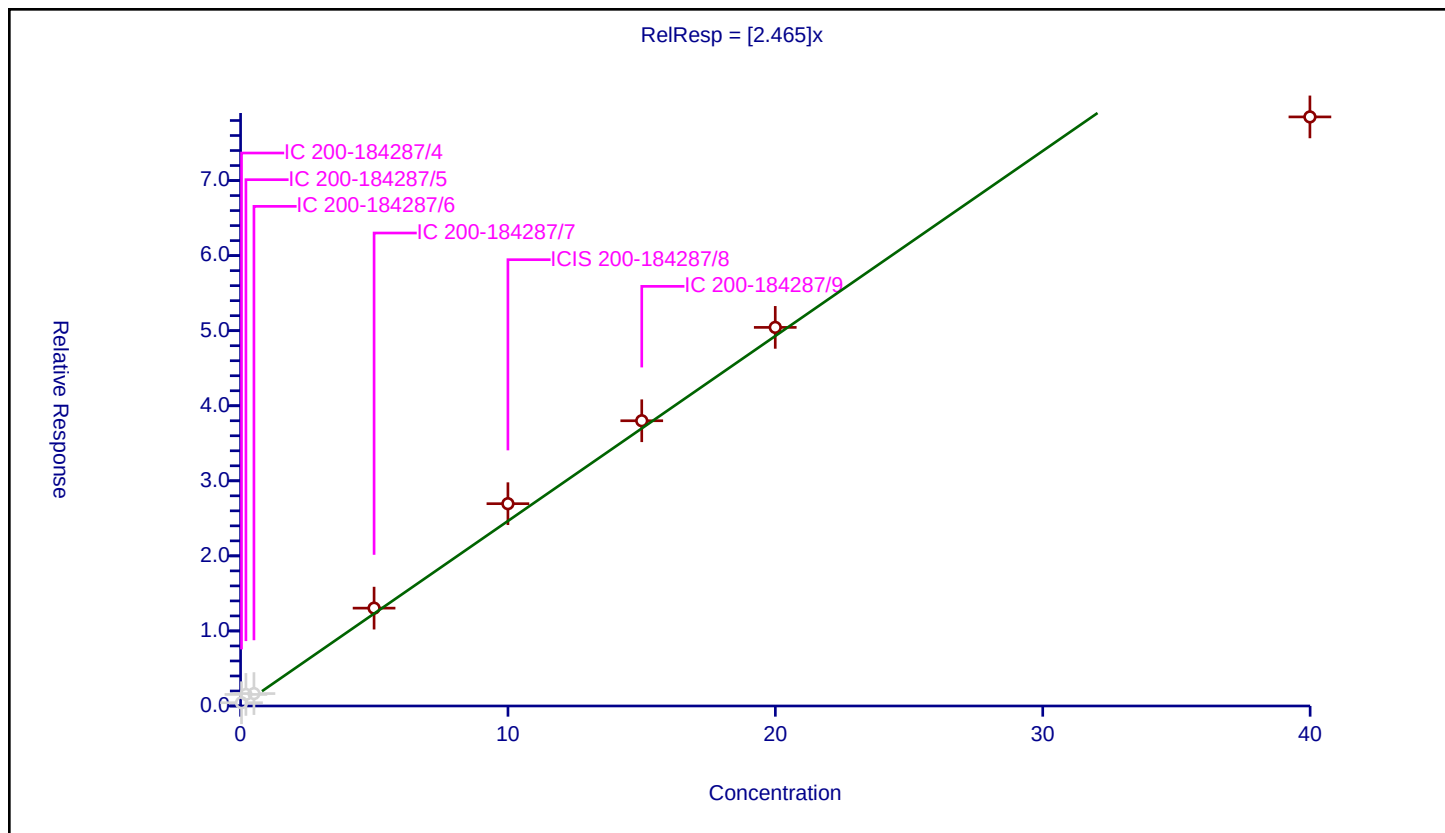
Curve Coefficients

Intercept: 0
 Slope: 2.465

Error Coefficients

Standard Error: 1950000
 Relative Standard Error: 11.7
 Correlation Coefficient: 0.976
 Coefficient of Determination (Adjusted): 0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.434645	10.0	327762.0	12.391179	N
2	IC 200-184287/5	0.20044	1.539443	10.0	328268.0	7.680333	N
3	IC 200-184287/6	0.500453	1.655007	10.0	341213.0	3.307021	N
4	IC 200-184287/7	4.992563	13.036485	10.0	343509.0	2.611181	Y
5	ICIS 200-184287/8	9.99806	26.952241	10.0	348584.0	2.695747	Y
6	IC 200-184287/9	15.003557	38.001151	10.0	361348.0	2.532809	Y
7	IC 200-184287/12	19.99612	50.43823	10.0	372567.0	2.522401	Y
8	IC 200-184287/13	39.99224	78.480637	10.0	376546.0	1.962397	Y



Calibration

/ Isopropyl alcohol

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

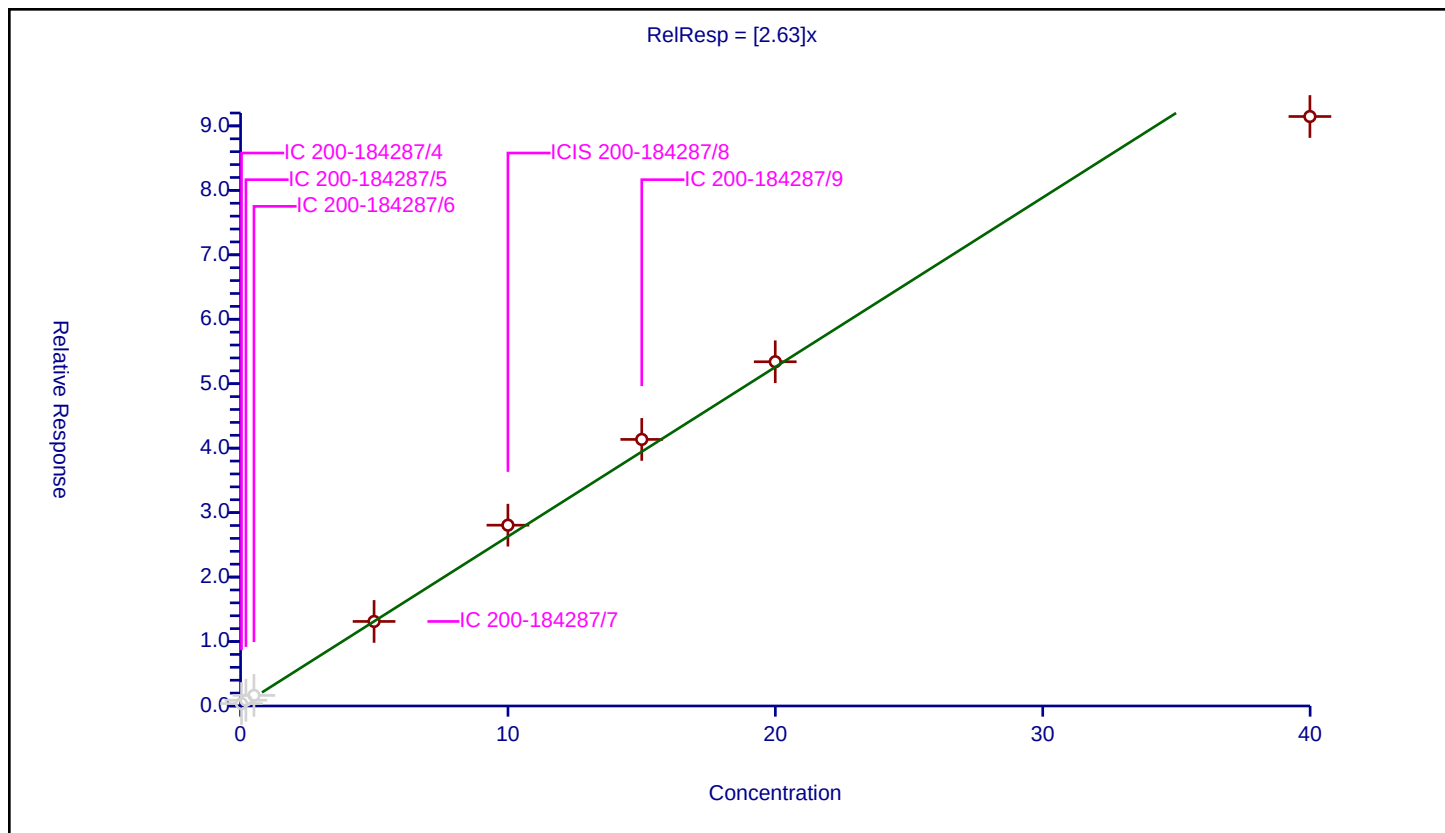
Curve Coefficients

Intercept: 0
 Slope: 2.63

Error Coefficients

Standard Error: 2190000
 Relative Standard Error: 7.8
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.378171	10.0	327762.0	10.781178	N
2	IC 200-184287/5	0.20044	0.891345	10.0	328268.0	4.446949	N
3	IC 200-184287/6	0.500453	1.640061	10.0	341213.0	3.277155	N
4	IC 200-184287/7	4.992563	13.119161	10.0	343509.0	2.627741	Y
5	ICIS 200-184287/8	9.99806	28.051632	10.0	348584.0	2.805708	Y
6	IC 200-184287/9	15.003557	41.357113	10.0	361348.0	2.756487	Y
7	IC 200-184287/12	19.99612	53.405938	10.0	372567.0	2.670815	Y
8	IC 200-184287/13	39.99224	91.459583	10.0	376546.0	2.286933	Y



Calibration

/ Carbon disulfide

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

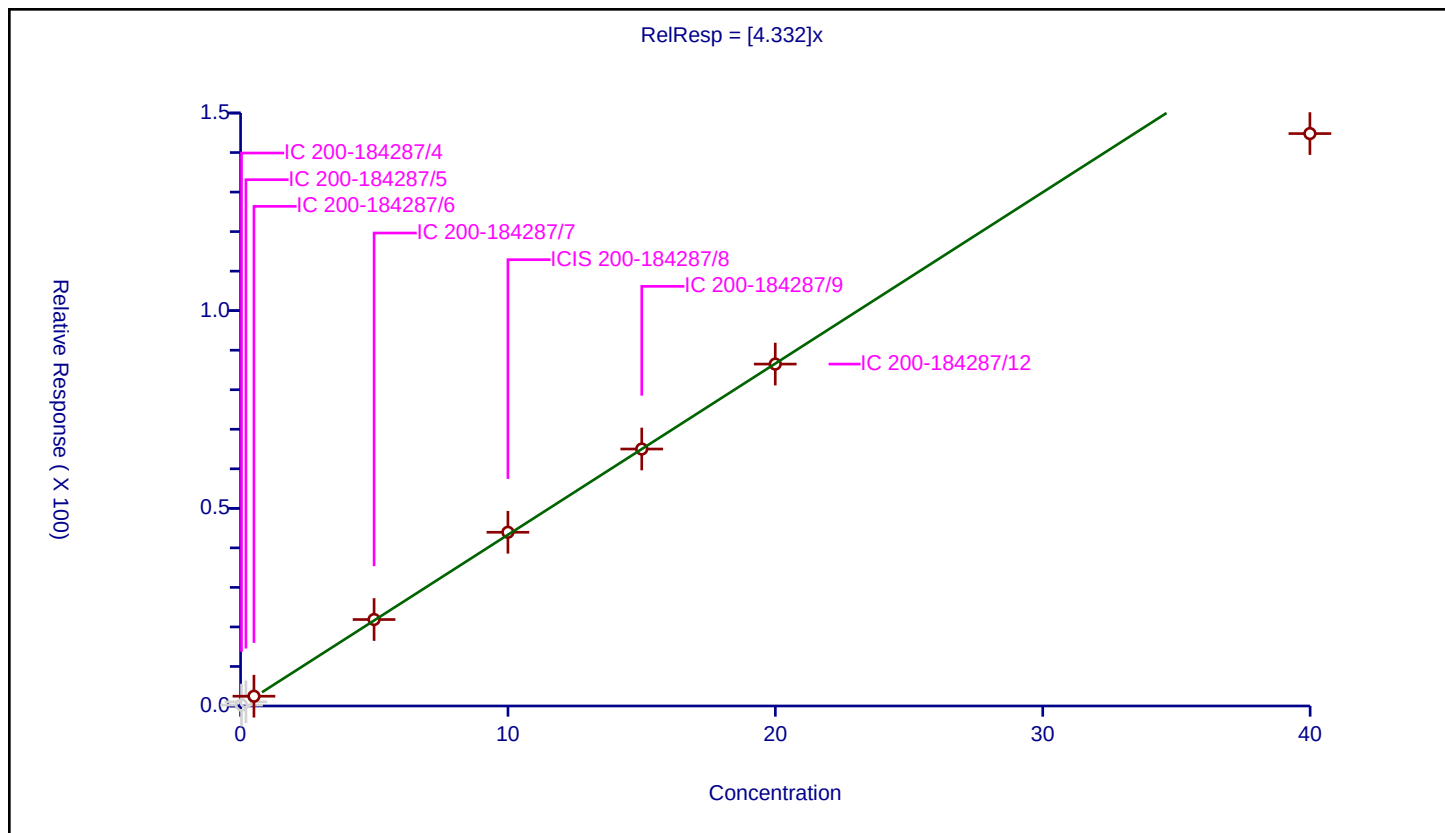
Curve Coefficients

Intercept: 0
 Slope: 4.332

Error Coefficients

Standard Error: 3120000
 Relative Standard Error: 9.7
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.226506	10.0	327762.0	6.457399	N
2	IC 200-184287/5	0.20044	1.039699	10.0	328268.0	5.187093	N
3	IC 200-184287/6	0.500453	2.469103	10.0	341213.0	4.93374	Y
4	IC 200-184287/7	4.992563	21.874565	10.0	343509.0	4.38143	Y
5	ICIS 200-184287/8	9.99806	43.944616	10.0	348584.0	4.395314	Y
6	IC 200-184287/9	15.003557	65.003016	10.0	361348.0	4.332507	Y
7	IC 200-184287/12	19.99612	86.492765	10.0	372567.0	4.325477	Y
8	IC 200-184287/13	39.99224	144.799148	10.0	376546.0	3.620681	Y



Calibration

/ Acetonitrile

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

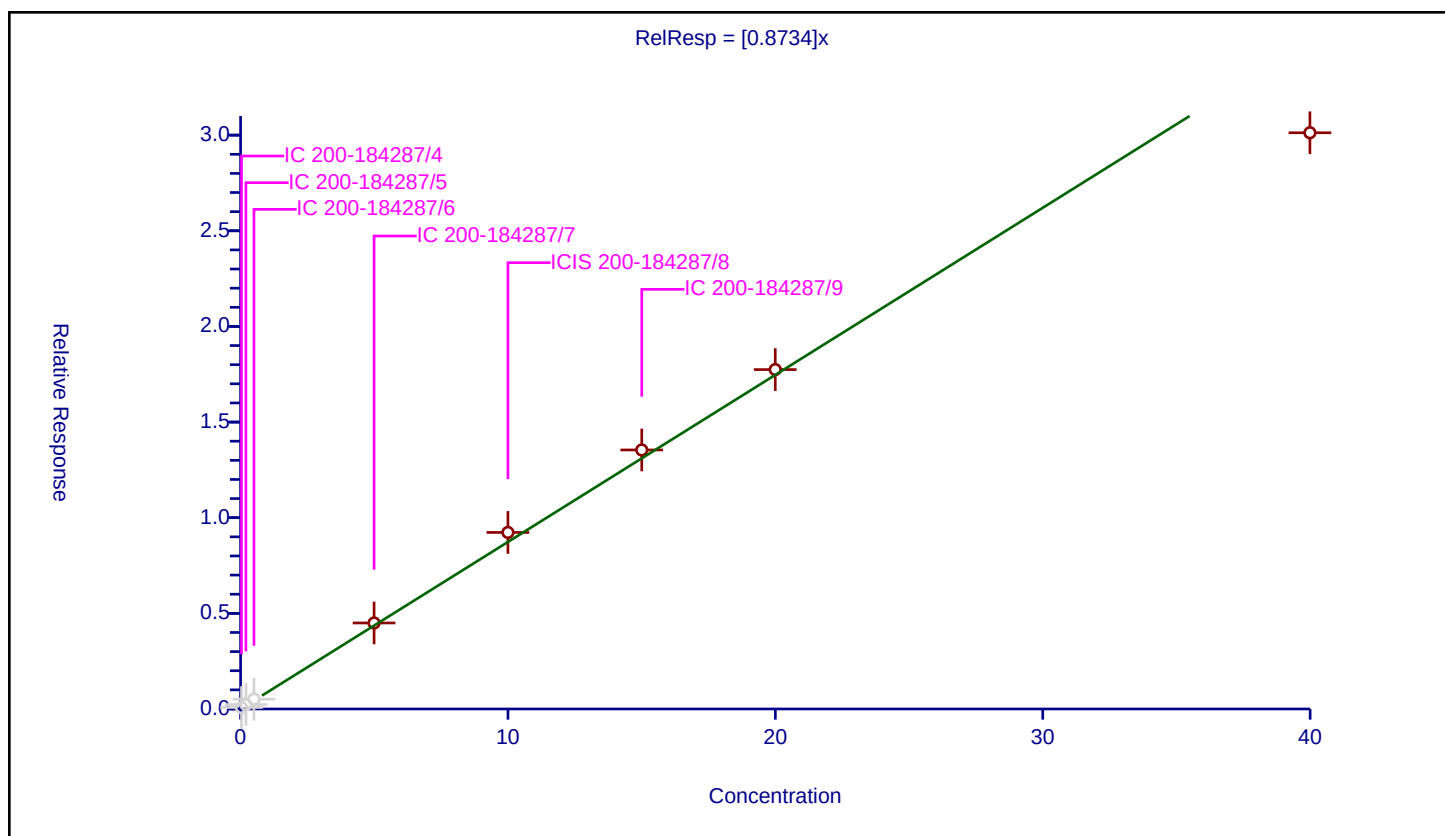
Curve Coefficients

Intercept: 0
Slope: 0.8734

Error Coefficients

Standard Error: 723000
Relative Standard Error: 7.8
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.078838	10.0	327762.0	2.247565	N
2	IC 200-184287/5	0.20044	0.2303	10.0	328268.0	1.148972	N
3	IC 200-184287/6	0.500453	0.513755	10.0	341213.0	1.026581	N
4	IC 200-184287/7	4.992563	4.496243	10.0	343509.0	0.900588	Y
5	ICIS 200-184287/8	9.99806	9.229196	10.0	348584.0	0.923099	Y
6	IC 200-184287/9	15.003557	13.541295	10.0	361348.0	0.902539	Y
7	IC 200-184287/12	19.99612	17.742956	10.0	372567.0	0.88732	Y
8	IC 200-184287/13	39.99224	30.124713	10.0	376546.0	0.753264	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

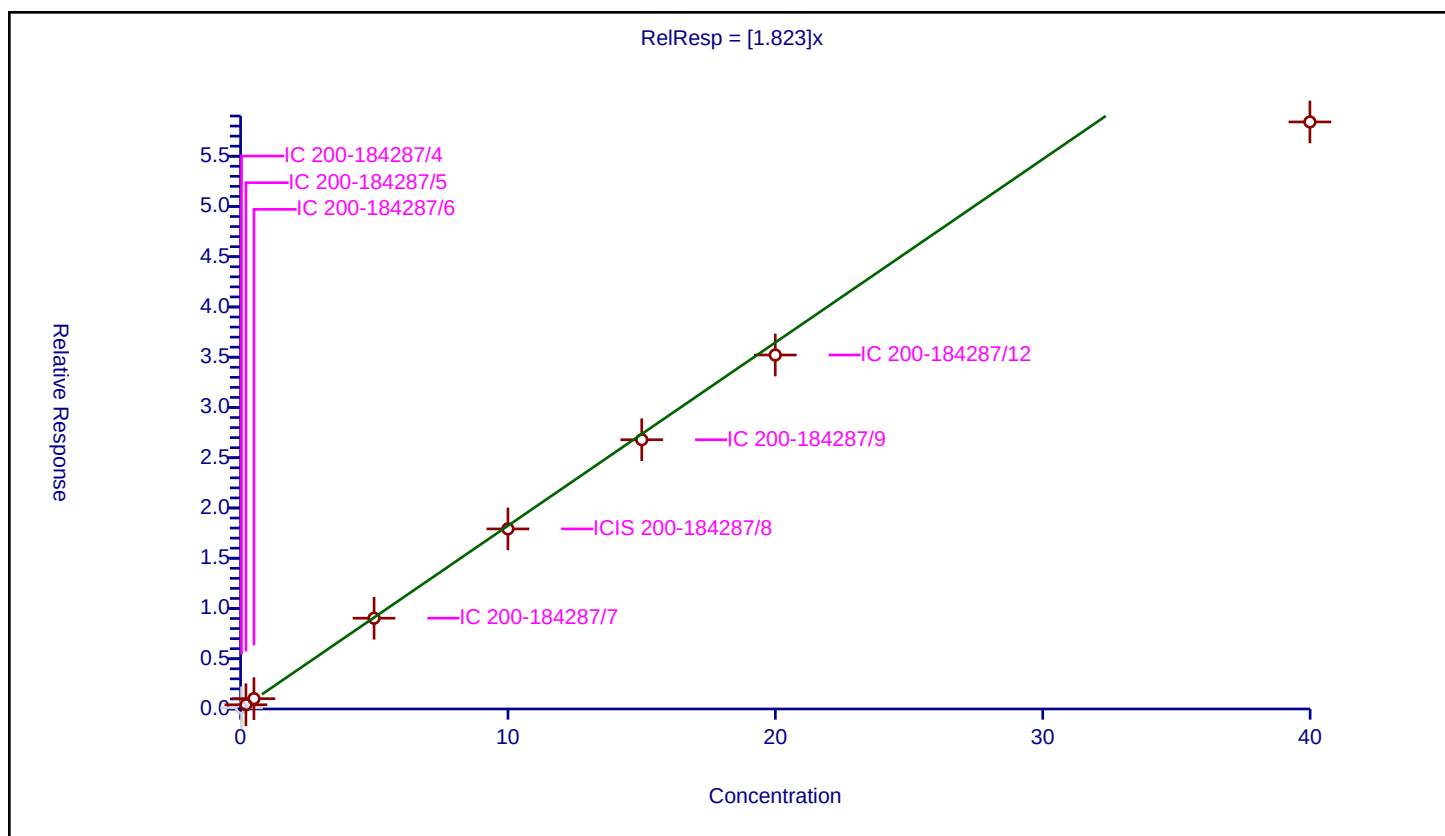
Curve Coefficients

Intercept: 0
Slope: 1.823

Error Coefficients

Standard Error: 1150000
Relative Standard Error: 11.6
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.118348	10.0	327762.0	3.373956	N
2	IC 200-184287/5	0.20044	0.420997	10.0	328268.0	2.10037	Y
3	IC 200-184287/6	0.500453	1.02798	10.0	341213.0	2.0541	Y
4	IC 200-184287/7	4.992563	9.034378	10.0	343509.0	1.809567	Y
5	ICIS 200-184287/8	9.99806	17.916026	10.0	348584.0	1.79195	Y
6	IC 200-184287/9	15.003557	26.791182	10.0	361348.0	1.785655	Y
7	IC 200-184287/12	19.99612	35.221719	10.0	372567.0	1.761428	Y
8	IC 200-184287/13	39.99224	58.412173	10.0	376546.0	1.460588	Y



Calibration

/ Methylene Chloride

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

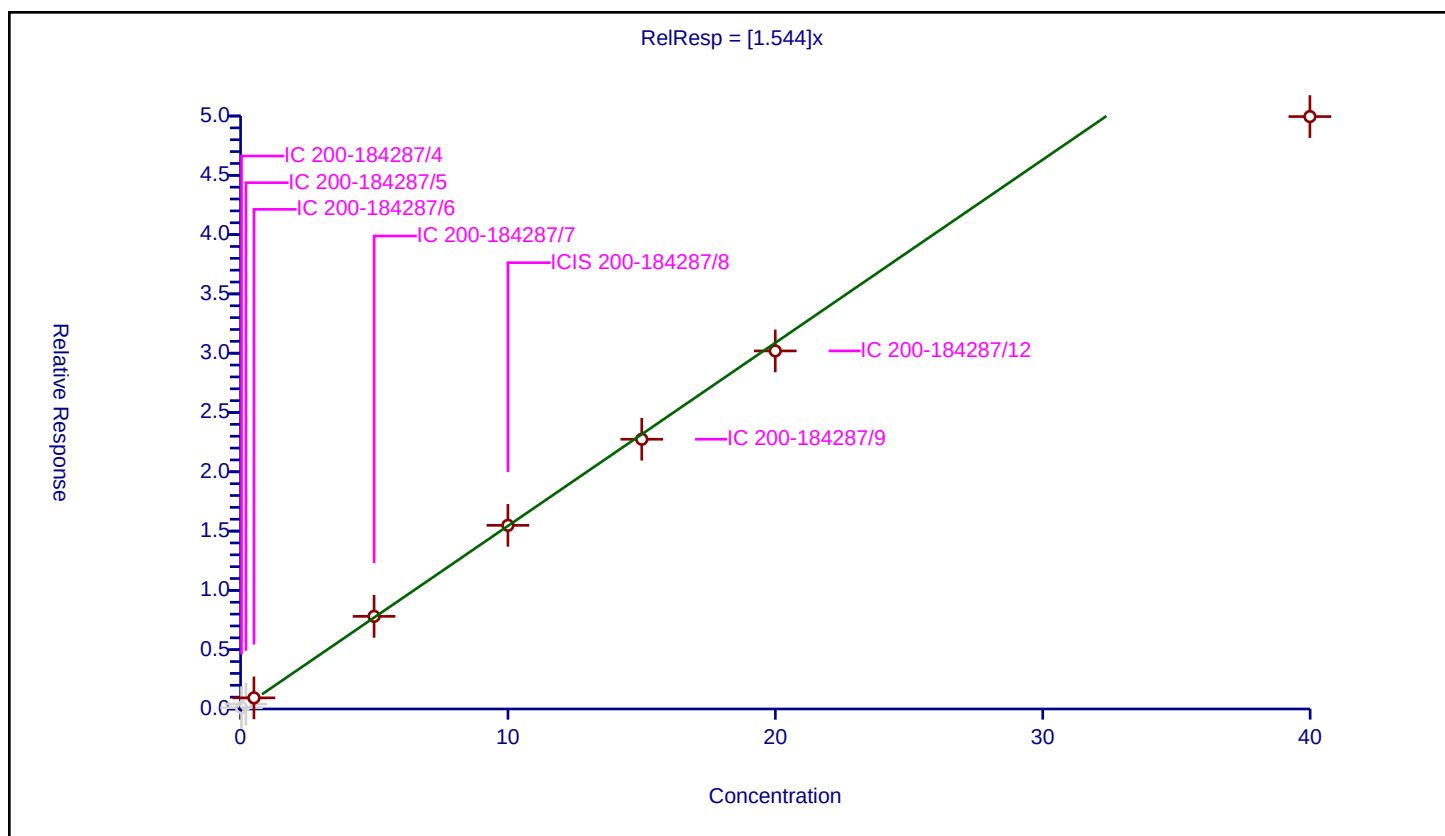
Curve Coefficients

Intercept: 0
 Slope: 1.544

Error Coefficients

Standard Error: 1080000
 Relative Standard Error: 12.9
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.111758	10.0	327762.0	3.186079	N
2	IC 200-184287/5	0.20044	0.414692	10.0	328268.0	2.06891	N
3	IC 200-184287/6	0.500453	0.938475	10.0	341213.0	1.875253	Y
4	IC 200-184287/7	4.992563	7.811149	10.0	343509.0	1.564557	Y
5	ICIS 200-184287/8	9.99806	15.484847	10.0	348584.0	1.548785	Y
6	IC 200-184287/9	15.003557	22.744778	10.0	361348.0	1.515959	Y
7	IC 200-184287/12	19.99612	30.192529	10.0	372567.0	1.509919	Y
8	IC 200-184287/13	39.99224	49.95318	10.0	376546.0	1.249072	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

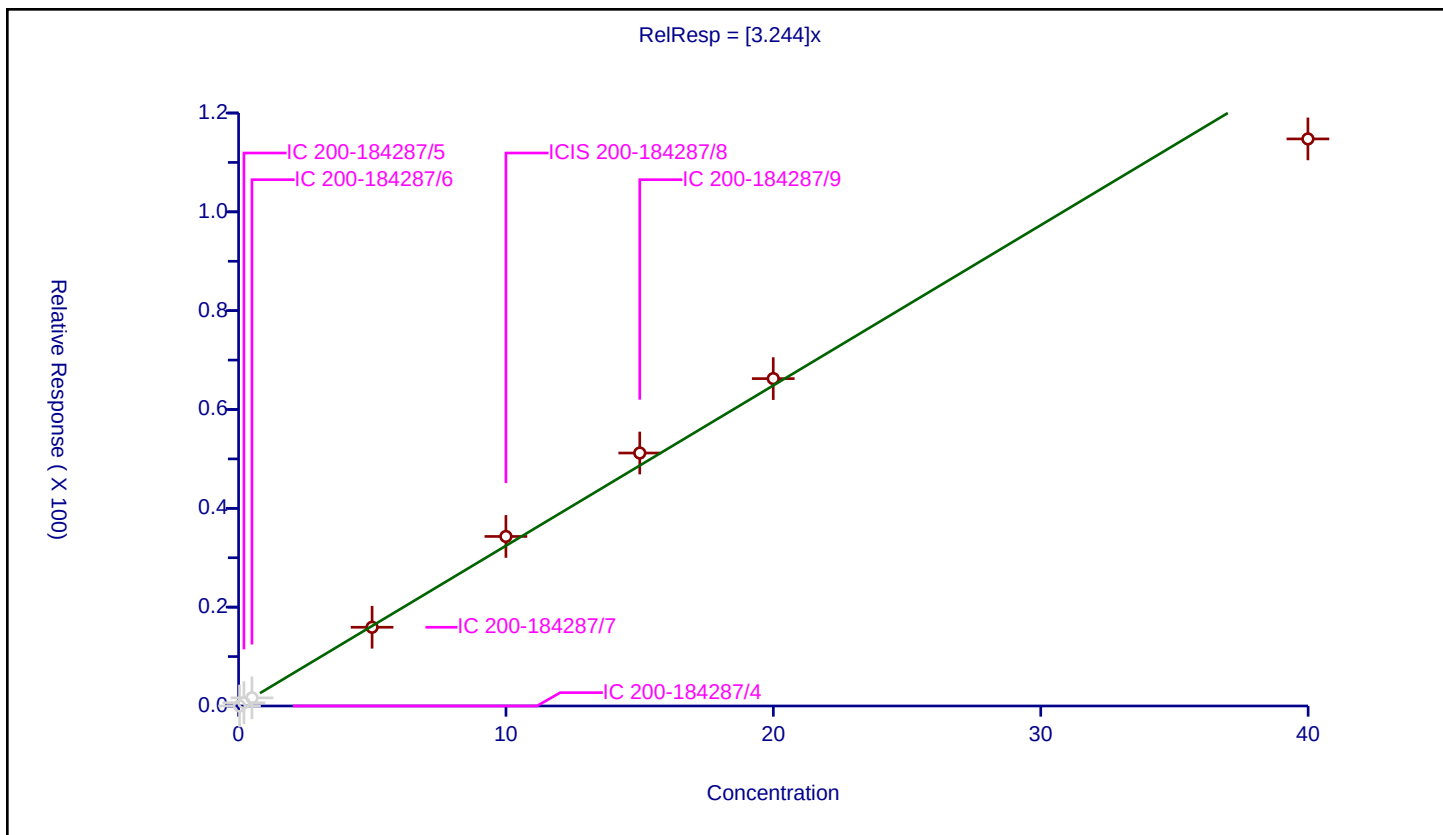
Curve Coefficients

Intercept: 0
 Slope: 3.244

Error Coefficients

Standard Error: 2730000
 Relative Standard Error: 7.1
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.0	10.0	327762.0	0.0	N
2	IC 200-184287/5	0.20044	0.655775	10.0	328268.0	3.271684	N
3	IC 200-184287/6	0.500453	1.647387	10.0	341213.0	3.291795	N
4	IC 200-184287/7	4.992563	15.931082	10.0	343509.0	3.190963	Y
5	ICIS 200-184287/8	9.99806	34.308574	10.0	348584.0	3.431523	Y
6	IC 200-184287/9	15.003557	51.195136	10.0	361348.0	3.4122	Y
7	IC 200-184287/12	19.99612	66.252835	10.0	372567.0	3.313285	Y
8	IC 200-184287/13	39.99224	114.75979	10.0	376546.0	2.869551	Y



Calibration

/ Acrylonitrile

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

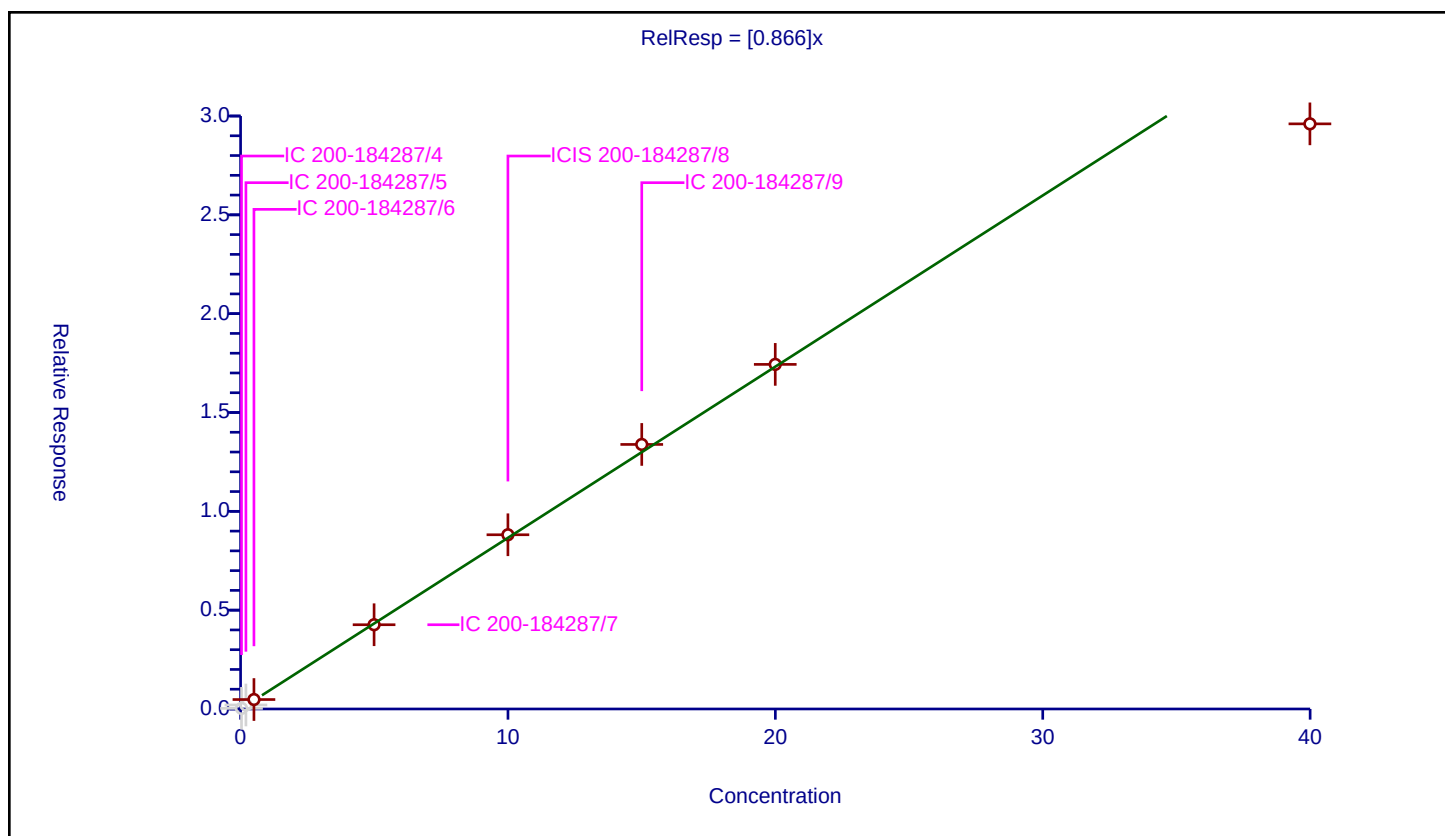
Curve Coefficients

Intercept: 0
Slope: 0.866

Error Coefficients

Standard Error: 635000
Relative Standard Error: 8.2
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.031822	10.0	327762.0	0.907202	N
2	IC 200-184287/5	0.20044	0.202365	10.0	328268.0	1.009606	N
3	IC 200-184287/6	0.500453	0.478675	10.0	341213.0	0.956483	Y
4	IC 200-184287/7	4.992563	4.26213	10.0	343509.0	0.853696	Y
5	ICIS 200-184287/8	9.99806	8.814518	10.0	348584.0	0.881623	Y
6	IC 200-184287/9	15.003557	13.383746	10.0	361348.0	0.892038	Y
7	IC 200-184287/12	19.99612	17.434824	10.0	372567.0	0.87191	Y
8	IC 200-184287/13	39.99224	29.603873	10.0	376546.0	0.74024	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

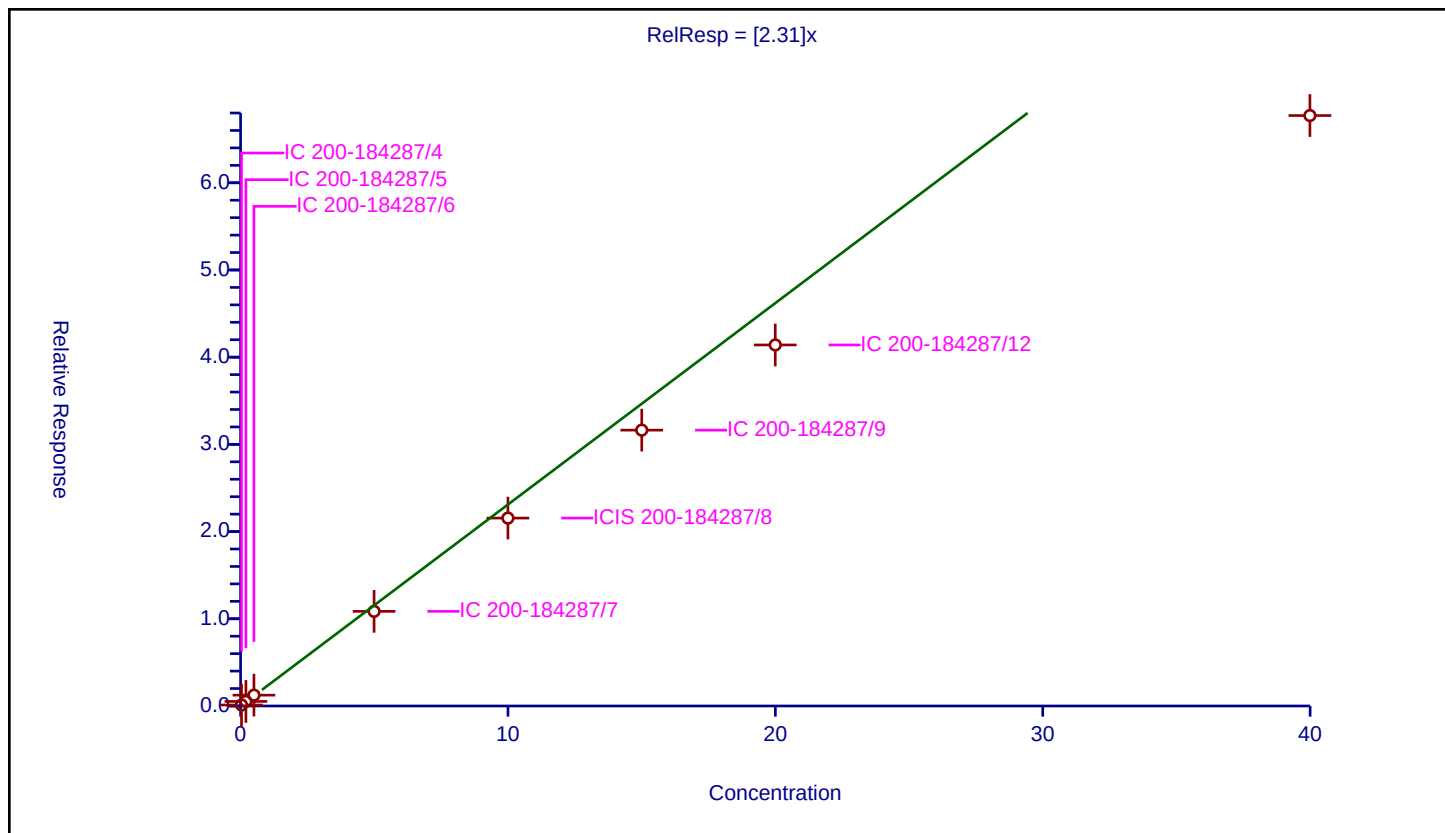
Curve Coefficients

Intercept: 0
Slope: 2.31

Error Coefficients

Standard Error: 1250000
Relative Standard Error: 19.6
Correlation Coefficient: 0.988
Coefficient of Determination (Adjusted): 0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.112307	10.0	327762.0	3.201736	Y
2	IC 200-184287/5	0.20044	0.520581	10.0	328268.0	2.597194	Y
3	IC 200-184287/6	0.500453	1.242039	10.0	341213.0	2.481832	Y
4	IC 200-184287/7	4.992563	10.852816	10.0	343509.0	2.173797	Y
5	ICIS 200-184287/8	9.99806	21.548063	10.0	348584.0	2.155224	Y
6	IC 200-184287/9	15.003557	31.634463	10.0	361348.0	2.108464	Y
7	IC 200-184287/12	19.99612	41.401681	10.0	372567.0	2.070486	Y
8	IC 200-184287/13	39.99224	67.708275	10.0	376546.0	1.693035	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

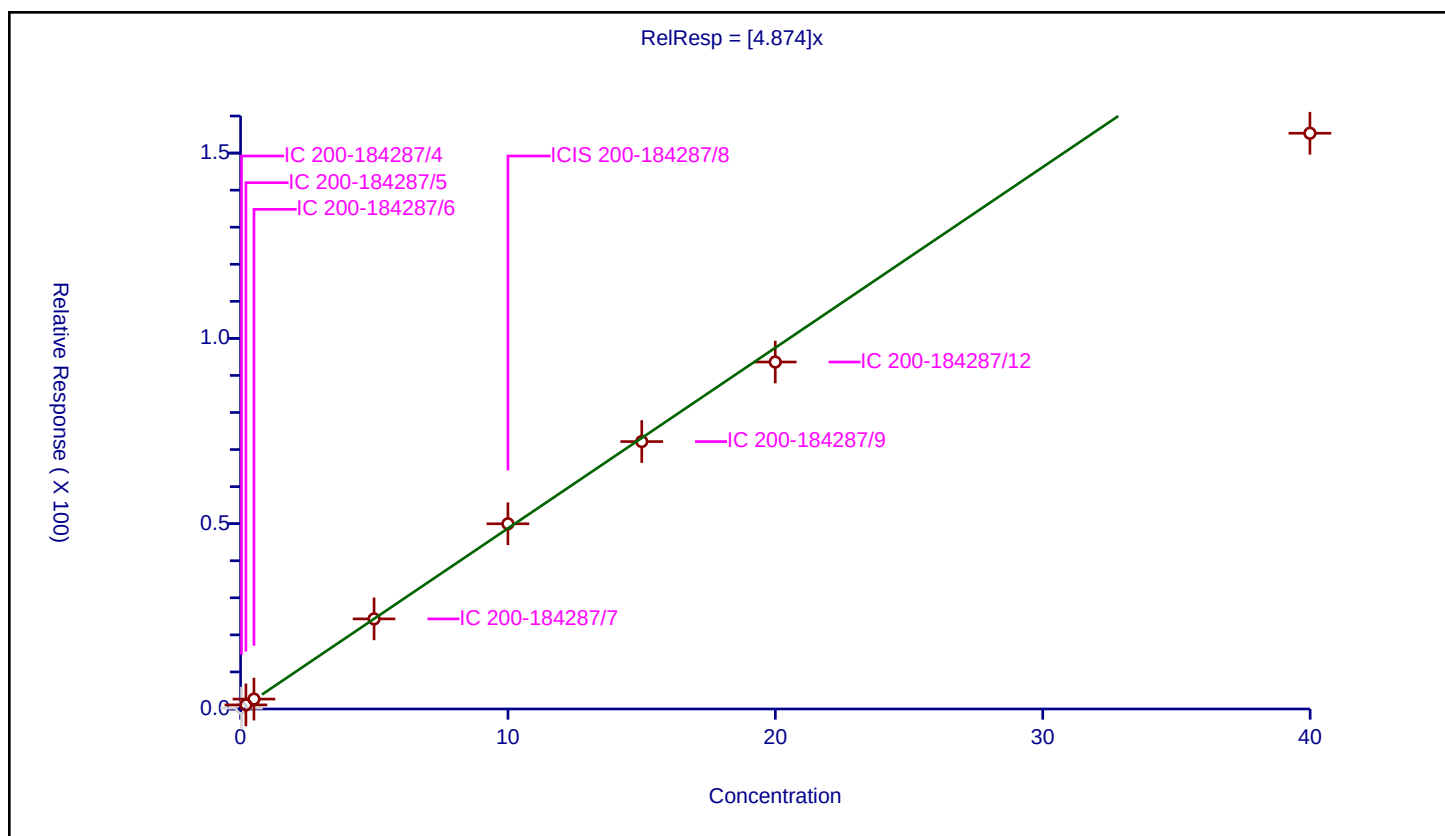
Curve Coefficients

Intercept: 0
Slope: 4.874

Error Coefficients

Standard Error: 3080000
Relative Standard Error: 10.9
Correlation Coefficient: 0.989
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.233401	10.0	327762.0	6.653974	N
2	IC 200-184287/5	0.20044	1.107936	10.0	328268.0	5.52753	Y
3	IC 200-184287/6	0.500453	2.675455	10.0	341213.0	5.346071	Y
4	IC 200-184287/7	4.992563	24.307573	10.0	343509.0	4.868756	Y
5	ICIS 200-184287/8	9.99806	49.976017	10.0	348584.0	4.998572	Y
6	IC 200-184287/9	15.003557	72.161545	10.0	361348.0	4.809629	Y
7	IC 200-184287/12	19.99612	93.626032	10.0	372567.0	4.68221	Y
8	IC 200-184287/13	39.99224	155.352706	10.0	376546.0	3.884571	Y



Calibration

/ Hexane

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

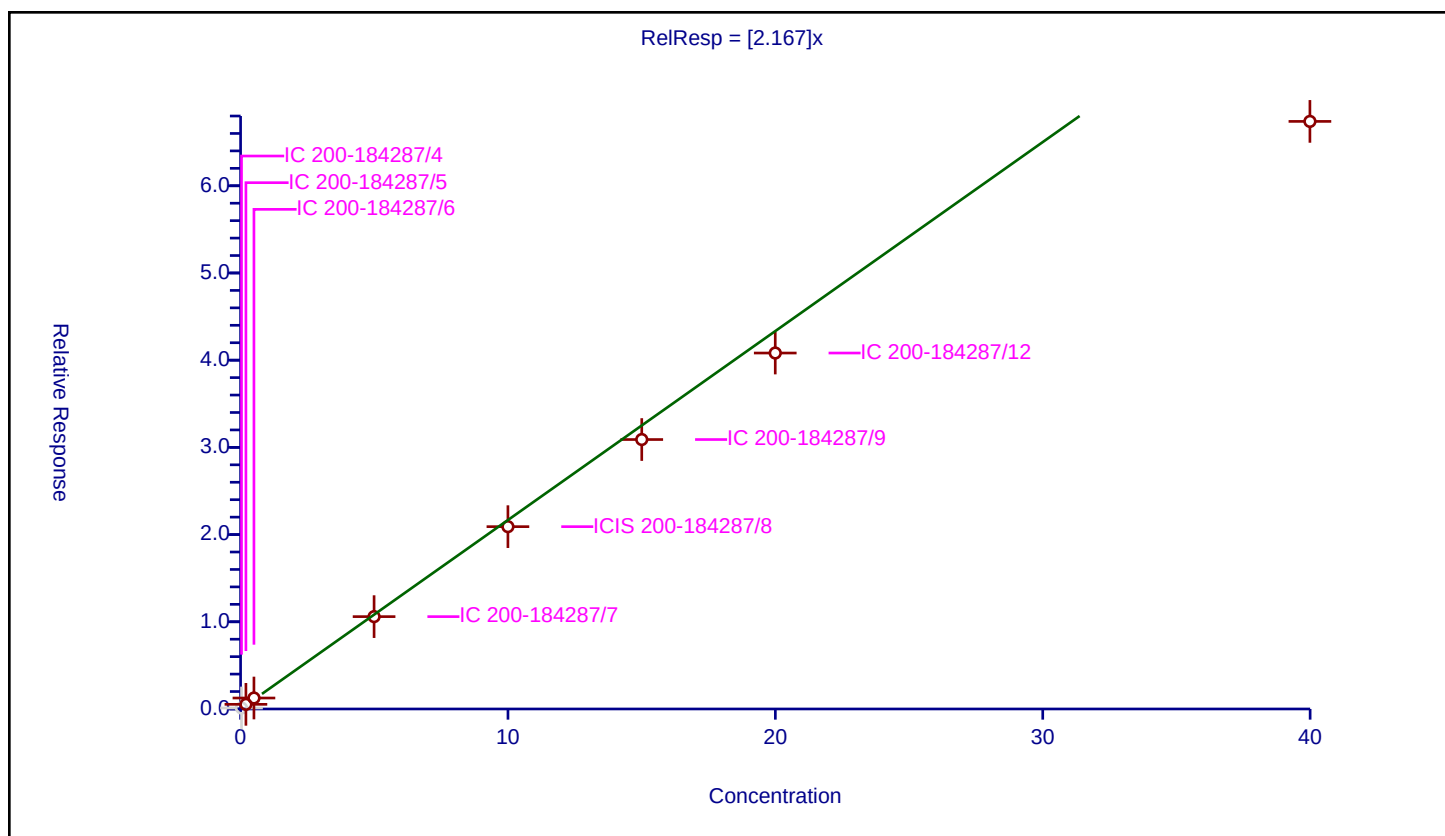
Curve Coefficients

Intercept: 0
Slope: 2.167

Error Coefficients

Standard Error: 1330000
Relative Standard Error: 14.9
Correlation Coefficient: 0.989
Coefficient of Determination (Adjusted): 0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.113405	10.0	327762.0	3.233049	N
2	IC 200-184287/5	0.20044	0.532157	10.0	328268.0	2.654947	Y
3	IC 200-184287/6	0.500453	1.258979	10.0	341213.0	2.515681	Y
4	IC 200-184287/7	4.992563	10.590814	10.0	343509.0	2.121318	Y
5	ICIS 200-184287/8	9.99806	20.909279	10.0	348584.0	2.091334	Y
6	IC 200-184287/9	15.003557	30.900296	10.0	361348.0	2.059531	Y
7	IC 200-184287/12	19.99612	40.820792	10.0	372567.0	2.041436	Y
8	IC 200-184287/13	39.99224	67.38271	10.0	376546.0	1.684895	Y



Calibration

/ 1,1-Dichloroethane

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

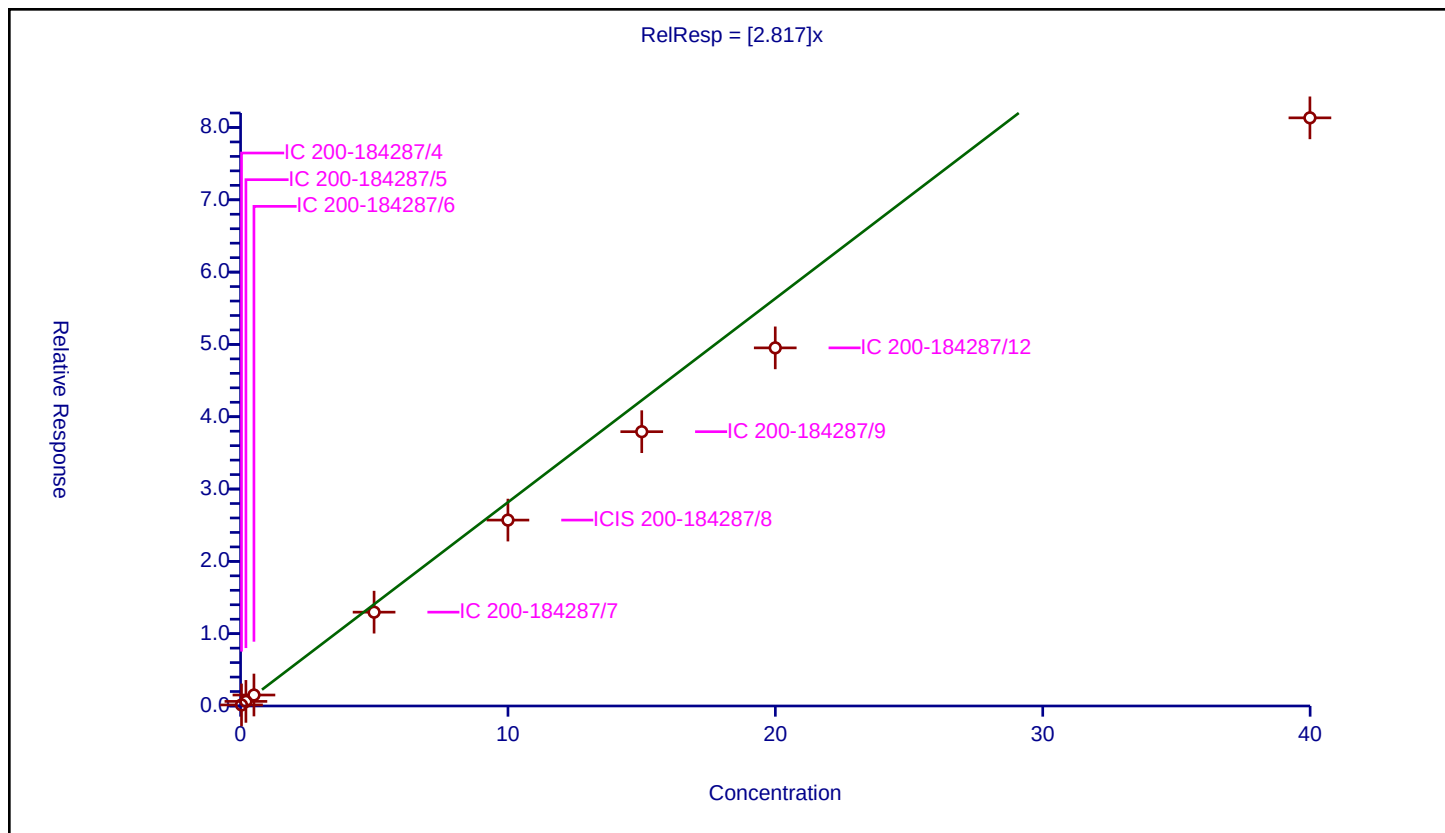
Curve Coefficients

Intercept: 0
 Slope: 2.817

Error Coefficients

Standard Error: 1500000
 Relative Standard Error: 22.5
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.934

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.144709	10.0	327762.0	4.125464	Y
2	IC 200-184287/5	0.20044	0.635883	10.0	328268.0	3.17244	Y
3	IC 200-184287/6	0.500453	1.51785	10.0	341213.0	3.032954	Y
4	IC 200-184287/7	4.992563	12.974682	10.0	343509.0	2.598802	Y
5	ICIS 200-184287/8	9.99806	25.708036	10.0	348584.0	2.571302	Y
6	IC 200-184287/9	15.003557	37.931551	10.0	361348.0	2.528171	Y
7	IC 200-184287/12	19.99612	49.524408	10.0	372567.0	2.476701	Y
8	IC 200-184287/13	39.99224	81.332852	10.0	376546.0	2.033716	Y



Calibration

/ Vinyl acetate

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

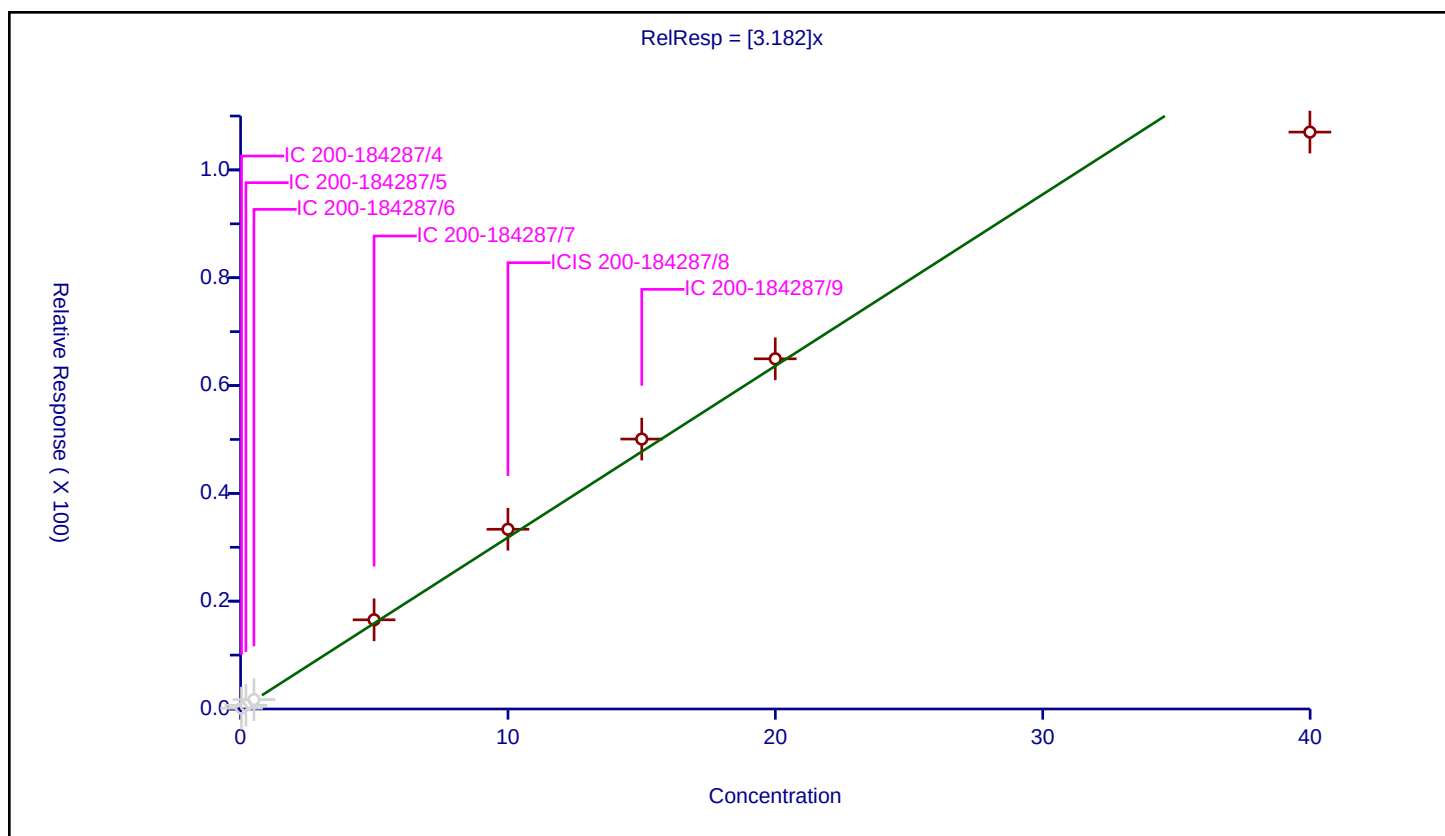
Curve Coefficients

Intercept: 0
Slope: 3.182

Error Coefficients

Standard Error: 2600000
Relative Standard Error: 9.0
Correlation Coefficient: 0.985
Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.14477	10.0	327762.0	4.127204	N
2	IC 200-184287/5	0.20044	0.681547	10.0	328268.0	3.400259	N
3	IC 200-184287/6	0.500453	1.737361	10.0	341213.0	3.471579	N
4	IC 200-184287/7	4.992563	16.544981	10.0	343509.0	3.313925	Y
5	ICIS 200-184287/8	9.99806	33.338392	10.0	348584.0	3.334486	Y
6	IC 200-184287/9	15.003557	50.074776	10.0	361348.0	3.337527	Y
7	IC 200-184287/12	19.99612	64.961497	10.0	372567.0	3.248705	Y
8	IC 200-184287/13	39.99224	107.01646	10.0	376546.0	2.675931	Y



Calibration

/ 2-Butanone (MEK)

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

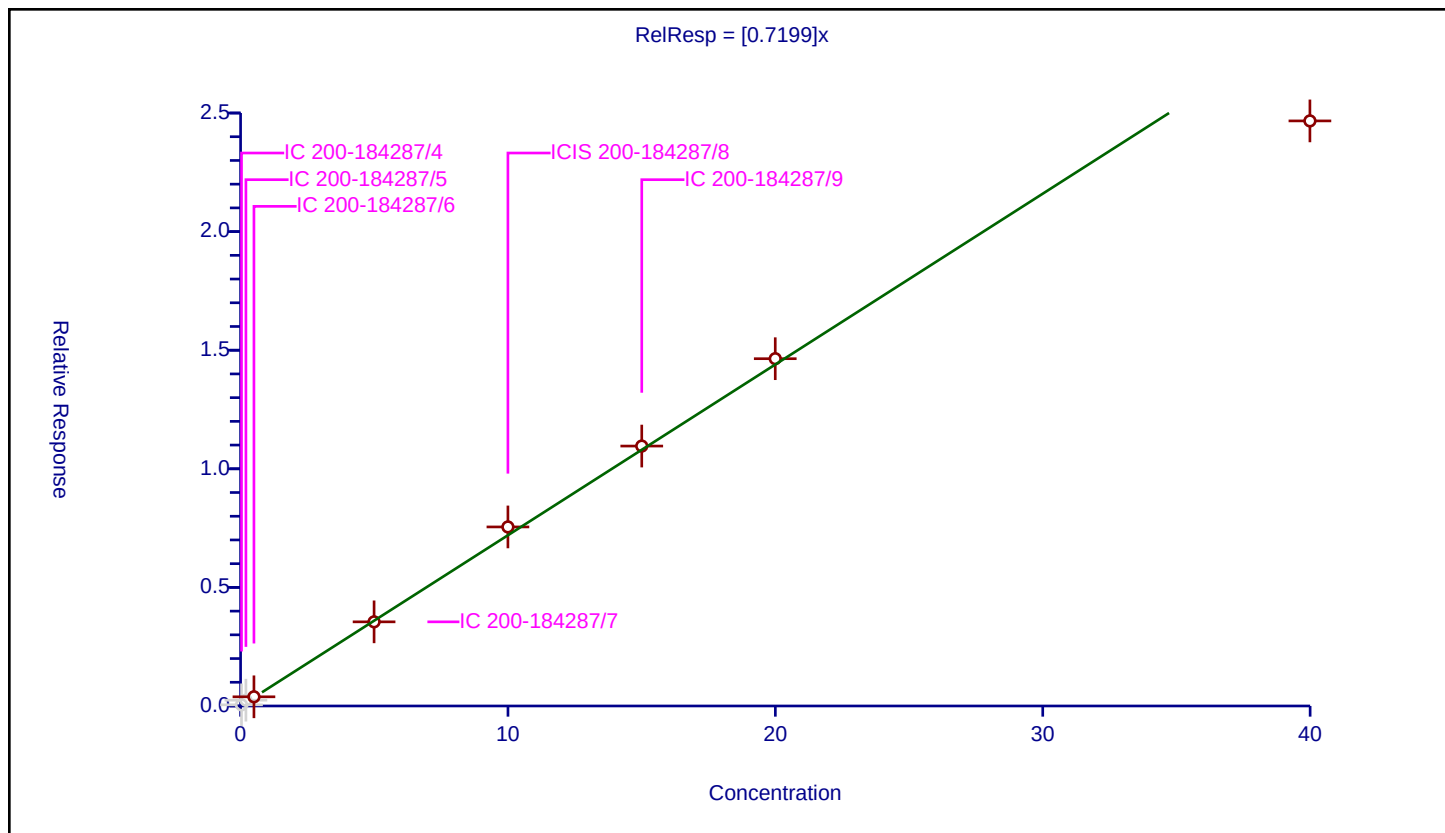
Curve Coefficients

Intercept: 0
 Slope: 0.7199

Error Coefficients

Standard Error: 529000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.048511	10.0	327762.0	1.382983	N
2	IC 200-184287/5	0.20044	0.2448	10.0	328268.0	1.221315	N
3	IC 200-184287/6	0.500453	0.387617	10.0	341213.0	0.774533	Y
4	IC 200-184287/7	4.992563	3.547942	10.0	343509.0	0.710645	Y
5	ICIS 200-184287/8	9.99806	7.548511	10.0	348584.0	0.754998	Y
6	IC 200-184287/9	15.003557	10.958605	10.0	361348.0	0.7304	Y
7	IC 200-184287/12	19.99612	14.642413	10.0	372567.0	0.732263	Y
8	IC 200-184287/13	39.99224	24.667504	10.0	376546.0	0.616807	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

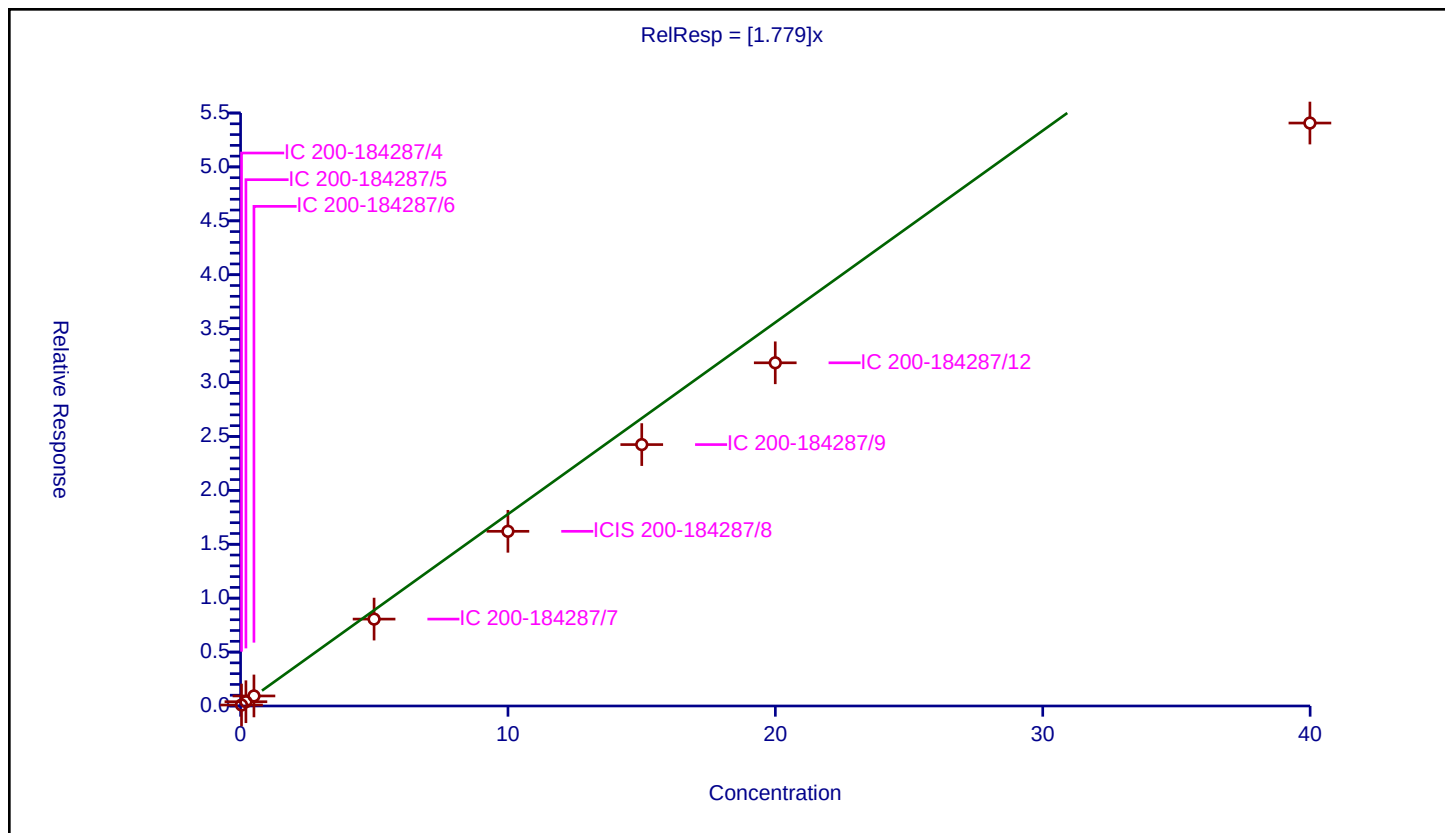
Curve Coefficients

Intercept: 0
Slope: 1.779

Error Coefficients

Standard Error: 979000
Relative Standard Error: 21.4
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.941

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.091072	10.0	327762.0	2.596355	Y
2	IC 200-184287/5	0.20044	0.396932	10.0	328268.0	1.980306	Y
3	IC 200-184287/6	0.500453	0.93068	10.0	341213.0	1.859676	Y
4	IC 200-184287/7	4.992563	8.058915	10.0	343509.0	1.614184	Y
5	ICIS 200-184287/8	9.99806	16.201547	10.0	348584.0	1.620469	Y
6	IC 200-184287/9	15.003557	24.246793	10.0	361348.0	1.61607	Y
7	IC 200-184287/12	19.99612	31.832717	10.0	372567.0	1.591945	Y
8	IC 200-184287/13	39.99224	54.07111	10.0	376546.0	1.35204	Y



Calibration

/ Ethyl acetate

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

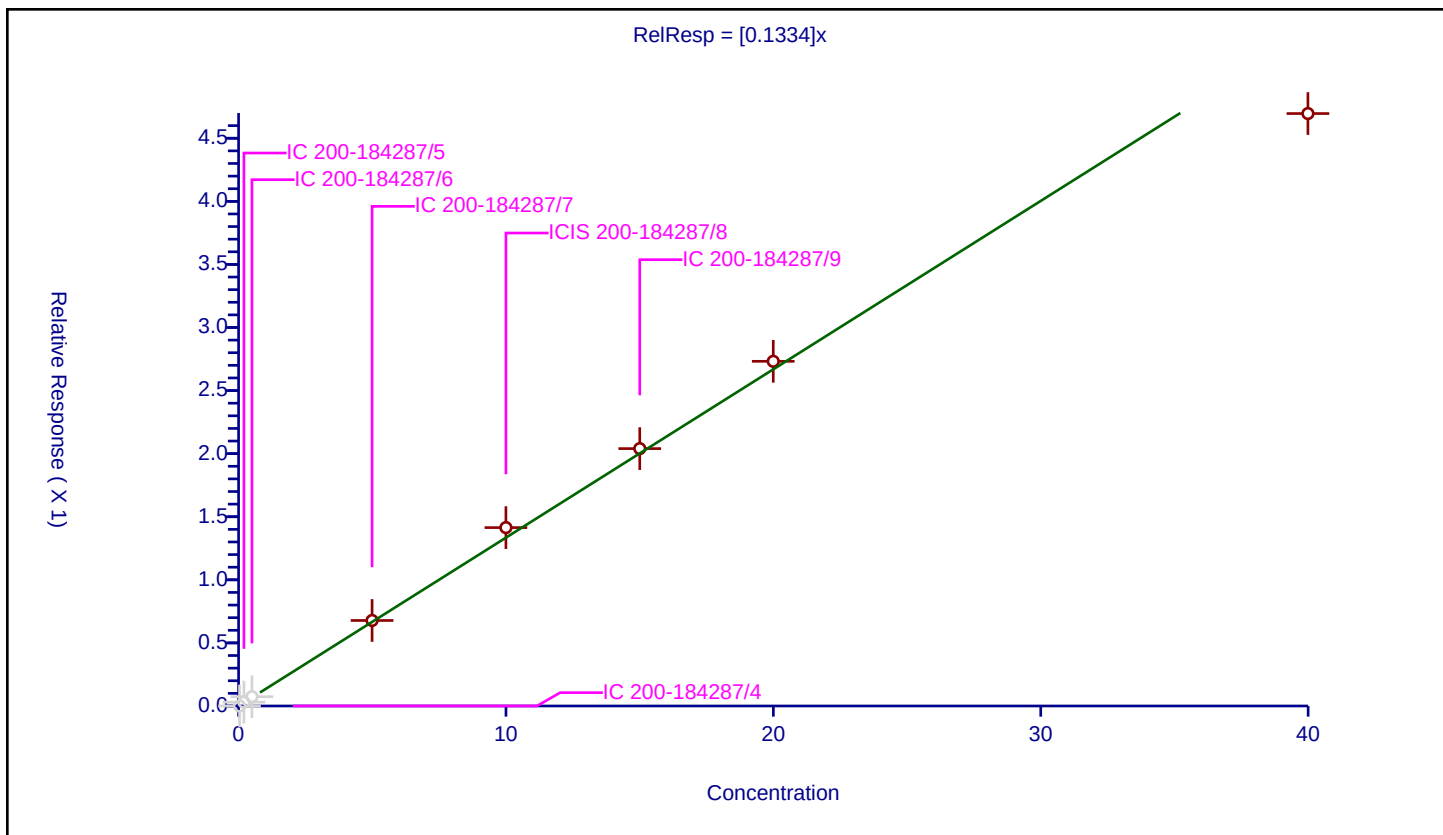
Curve Coefficients

Intercept: 0
 Slope: 0.1334

Error Coefficients

Standard Error: 112000
 Relative Standard Error: 6.9
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.0	10.0	327762.0	0.0	N
2	IC 200-184287/5	0.20044	0.03028	10.0	328268.0	0.151069	N
3	IC 200-184287/6	0.500453	0.073415	10.0	341213.0	0.146696	N
4	IC 200-184287/7	4.992563	0.677799	10.0	343509.0	0.135762	Y
5	ICIS 200-184287/8	9.99806	1.414006	10.0	348584.0	0.141428	Y
6	IC 200-184287/9	15.003557	2.040083	10.0	361348.0	0.135973	Y
7	IC 200-184287/12	19.99612	2.731938	10.0	372567.0	0.136623	Y
8	IC 200-184287/13	39.99224	4.695814	10.0	376546.0	0.117418	Y



Calibration

/ Tetrahydrofuran

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

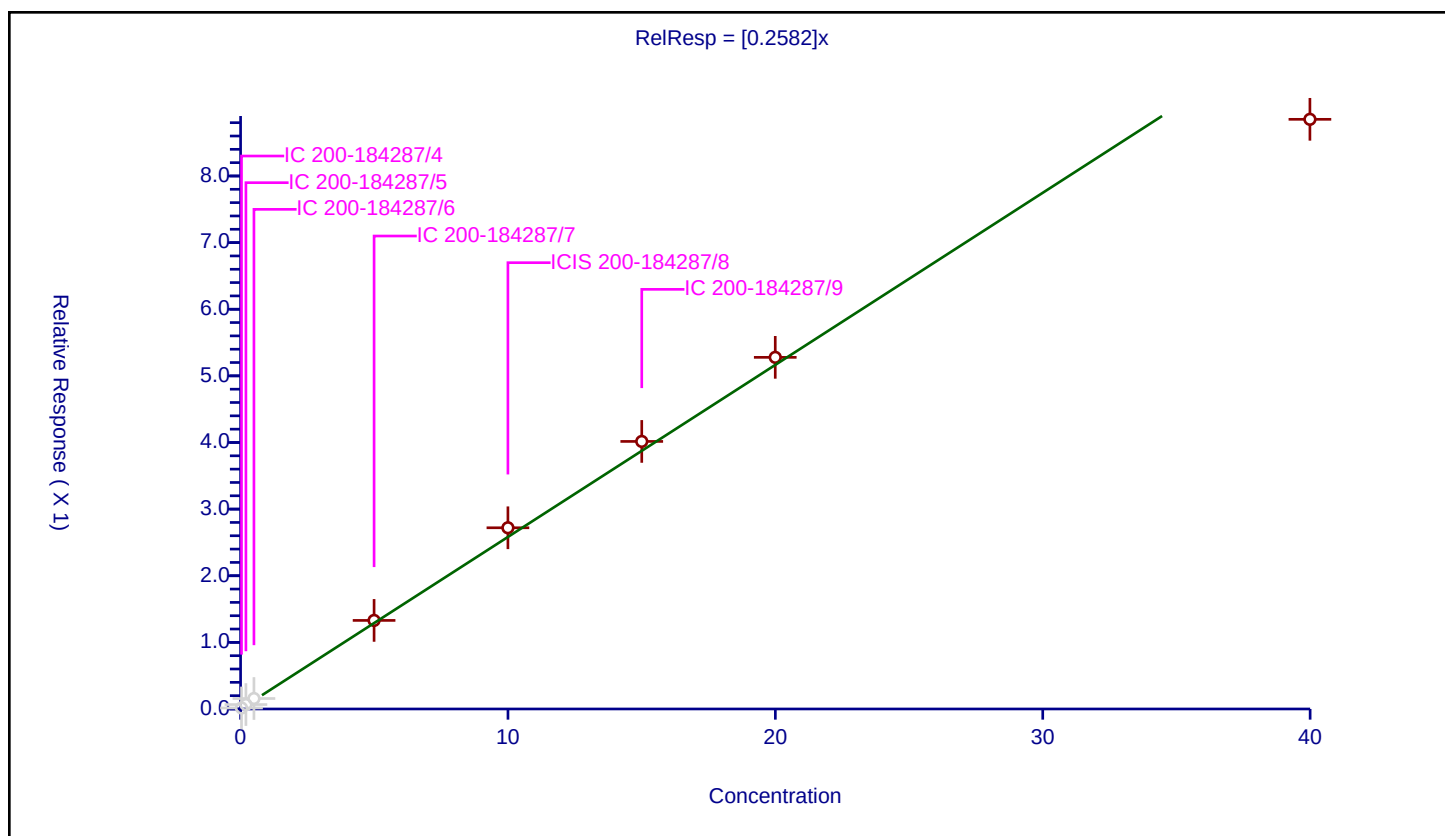
Curve Coefficients

Intercept: 0
Slope: 0.2582

Error Coefficients

Standard Error: 1070000
Relative Standard Error: 8.1
Correlation Coefficient: 0.987
Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.01548	10.0	1660839.0	0.441319	N
2	IC 200-184287/5	0.20044	0.06681	10.0	1664725.0	0.333316	N
3	IC 200-184287/6	0.500453	0.157093	10.0	1720508.0	0.313902	N
4	IC 200-184287/7	4.992563	1.329542	10.0	1710168.0	0.266304	Y
5	ICIS 200-184287/8	9.99806	2.71978	10.0	1756760.0	0.272031	Y
6	IC 200-184287/9	15.003557	4.015881	10.0	1826120.0	0.267662	Y
7	IC 200-184287/12	19.99612	5.277812	10.0	1871840.0	0.263942	Y
8	IC 200-184287/13	39.99224	8.850223	10.0	1883695.0	0.221298	Y



Calibration

/ Chloroform

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

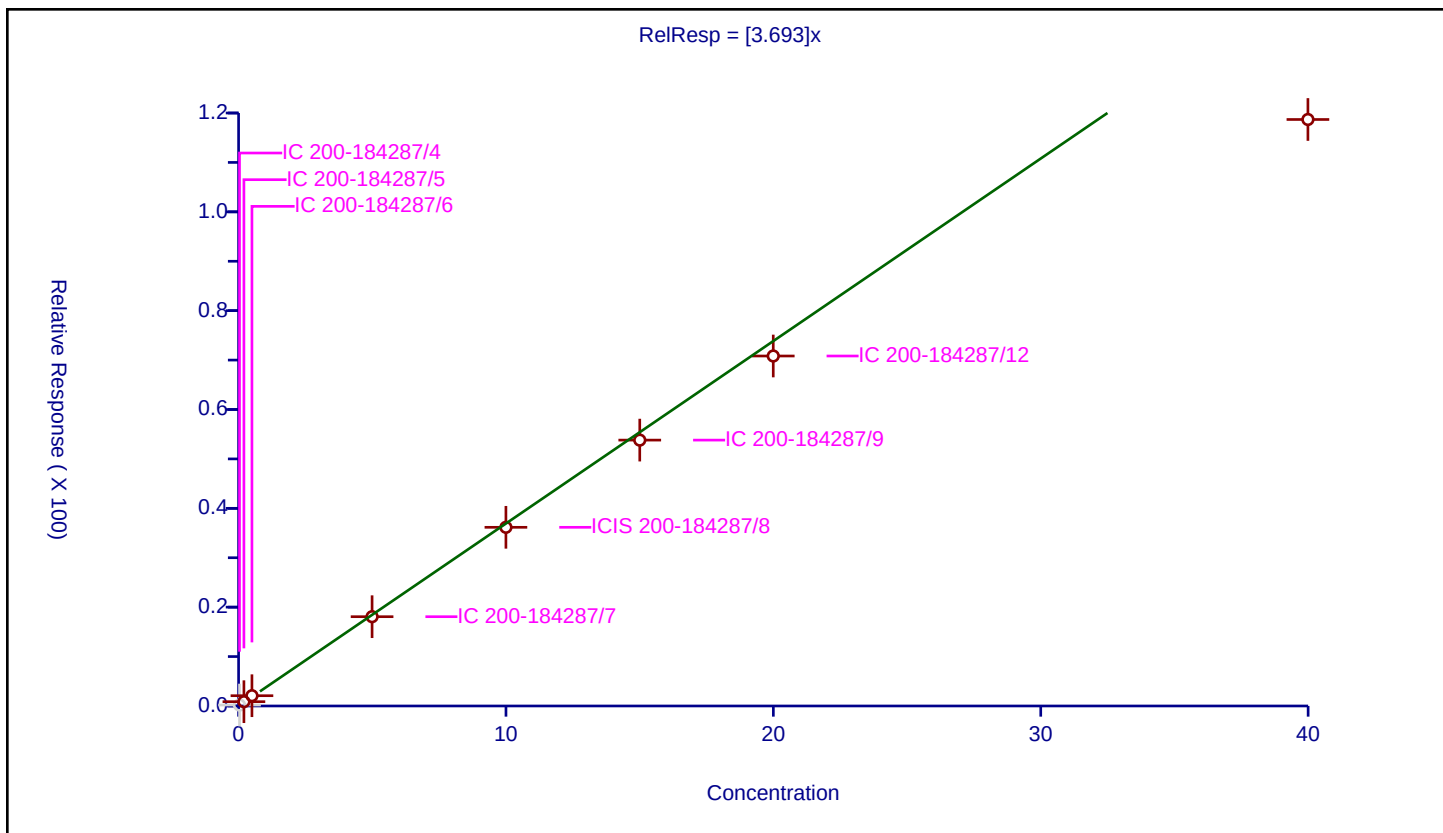
Curve Coefficients

Intercept: 0
 Slope: 3.693

Error Coefficients

Standard Error: 2330000
 Relative Standard Error: 12.3
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.193647	10.0	327762.0	5.520624	N
2	IC 200-184287/5	0.20044	0.873372	10.0	328268.0	4.35728	Y
3	IC 200-184287/6	0.500453	2.082101	10.0	341213.0	4.160437	Y
4	IC 200-184287/7	4.992563	18.072452	10.0	343509.0	3.619875	Y
5	ICIS 200-184287/8	9.99806	36.157282	10.0	348584.0	3.61643	Y
6	IC 200-184287/9	15.003557	53.803895	10.0	361348.0	3.586076	Y
7	IC 200-184287/12	19.99612	70.827422	10.0	372567.0	3.542058	Y
8	IC 200-184287/13	39.99224	118.685977	10.0	376546.0	2.967725	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

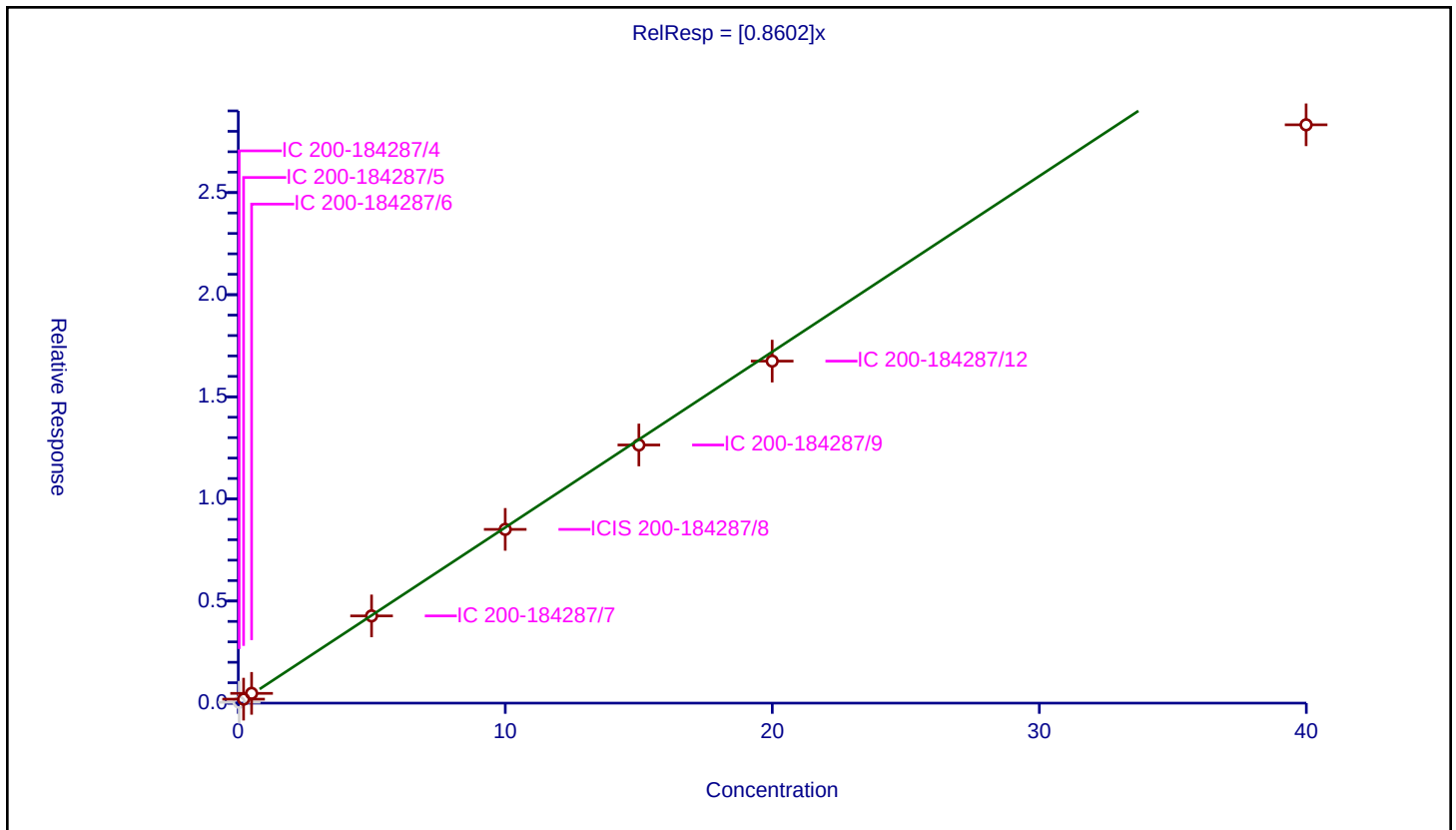
Curve Coefficients

Intercept: 0
 Slope: 0.8602

Error Coefficients

Standard Error: 2780000
 Relative Standard Error: 10.1
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.042286	10.0	1660839.0	1.205517	N
2	IC 200-184287/5	0.20044	0.194999	10.0	1664725.0	0.972857	Y
3	IC 200-184287/6	0.500453	0.477574	10.0	1720508.0	0.954284	Y
4	IC 200-184287/7	4.992563	4.270797	10.0	1710168.0	0.855432	Y
5	ICIS 200-184287/8	9.99806	8.507463	10.0	1756760.0	0.850911	Y
6	IC 200-184287/9	15.003557	12.640155	10.0	1826120.0	0.842477	Y
7	IC 200-184287/12	19.99612	16.747612	10.0	1871840.0	0.837543	Y
8	IC 200-184287/13	39.99224	28.318857	10.0	1883695.0	0.708109	Y



Calibration

/ Cyclohexane

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

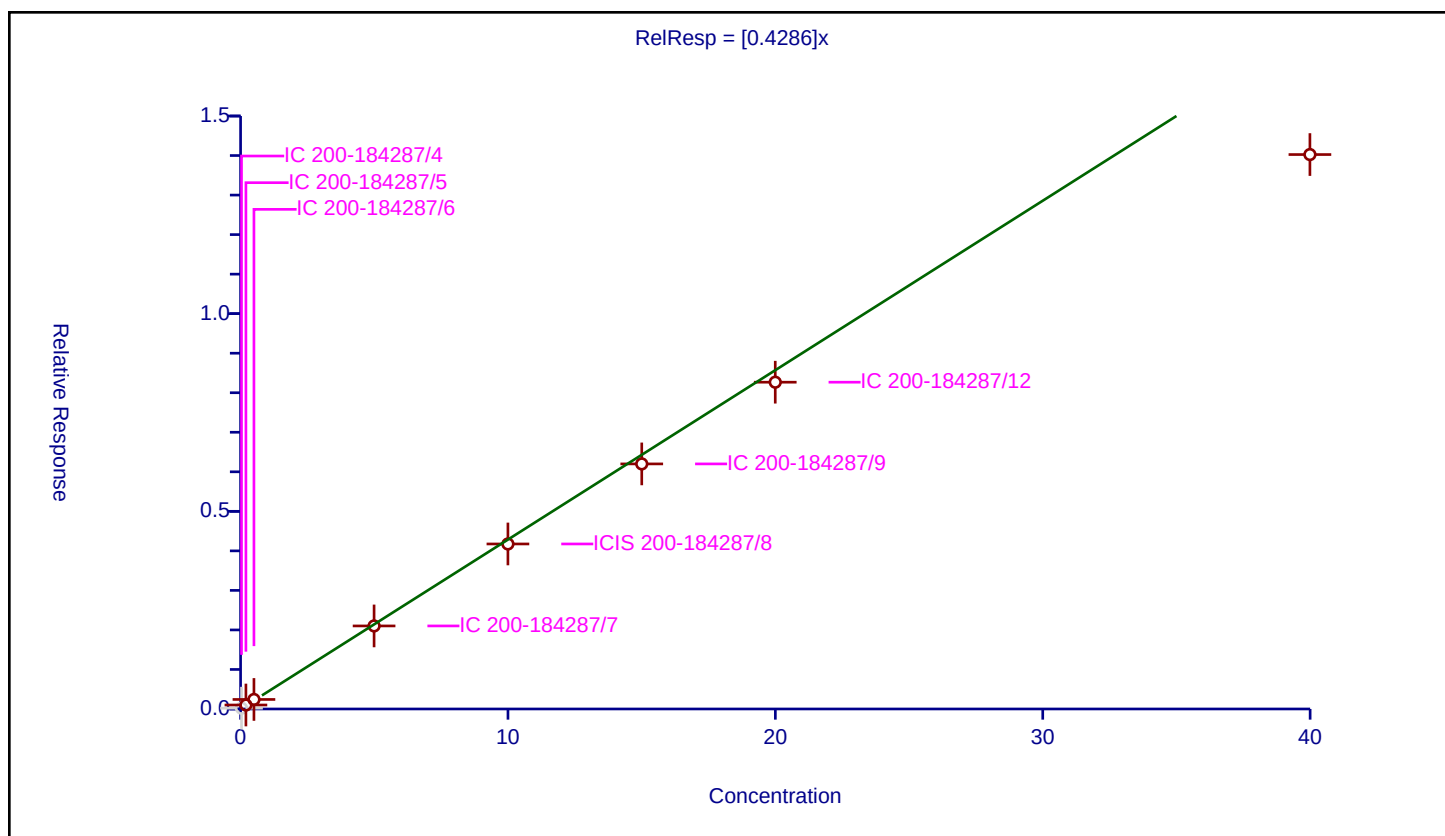
Curve Coefficients

Intercept: 0
Slope: 0.4286

Error Coefficients

Standard Error: 1370000
Relative Standard Error: 11.7
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.020411	10.0	1660839.0	0.581903	N
2	IC 200-184287/5	0.20044	0.100743	10.0	1664725.0	0.502612	Y
3	IC 200-184287/6	0.500453	0.241063	10.0	1720508.0	0.481689	Y
4	IC 200-184287/7	4.992563	2.100911	10.0	1710168.0	0.420808	Y
5	ICIS 200-184287/8	9.99806	4.174401	10.0	1756760.0	0.417521	Y
6	IC 200-184287/9	15.003557	6.19985	10.0	1826120.0	0.413225	Y
7	IC 200-184287/12	19.99612	8.266513	10.0	1871840.0	0.413406	Y
8	IC 200-184287/13	39.99224	14.025036	10.0	1883695.0	0.350694	Y



Calibration

/ Carbon tetrachloride

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

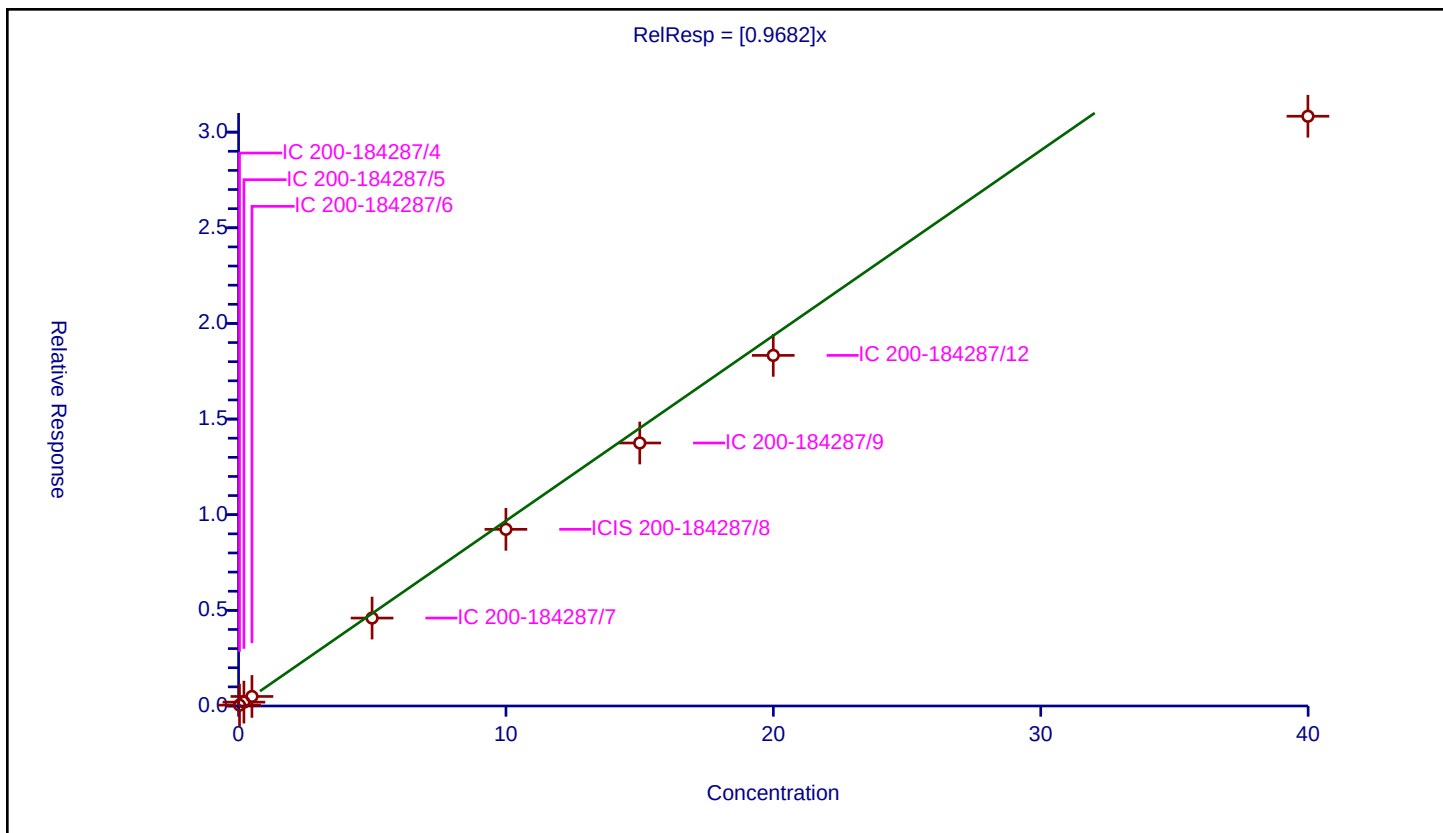
Curve Coefficients

Intercept: 0
 Slope: 0.9682

Error Coefficients

Standard Error: 2800000
 Relative Standard Error: 15.6
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.045531	10.0	1660839.0	1.298038	Y
2	IC 200-184287/5	0.20044	0.201186	10.0	1664725.0	1.003725	Y
3	IC 200-184287/6	0.500453	0.498126	10.0	1720508.0	0.995351	Y
4	IC 200-184287/7	4.992563	4.596548	10.0	1710168.0	0.920679	Y
5	ICIS 200-184287/8	9.99806	9.234915	10.0	1756760.0	0.923671	Y
6	IC 200-184287/9	15.003557	13.749852	10.0	1826120.0	0.916439	Y
7	IC 200-184287/12	19.99612	18.329136	10.0	1871840.0	0.916635	Y
8	IC 200-184287/13	39.99224	30.831796	10.0	1883695.0	0.770944	Y



Calibration

/ Benzene

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

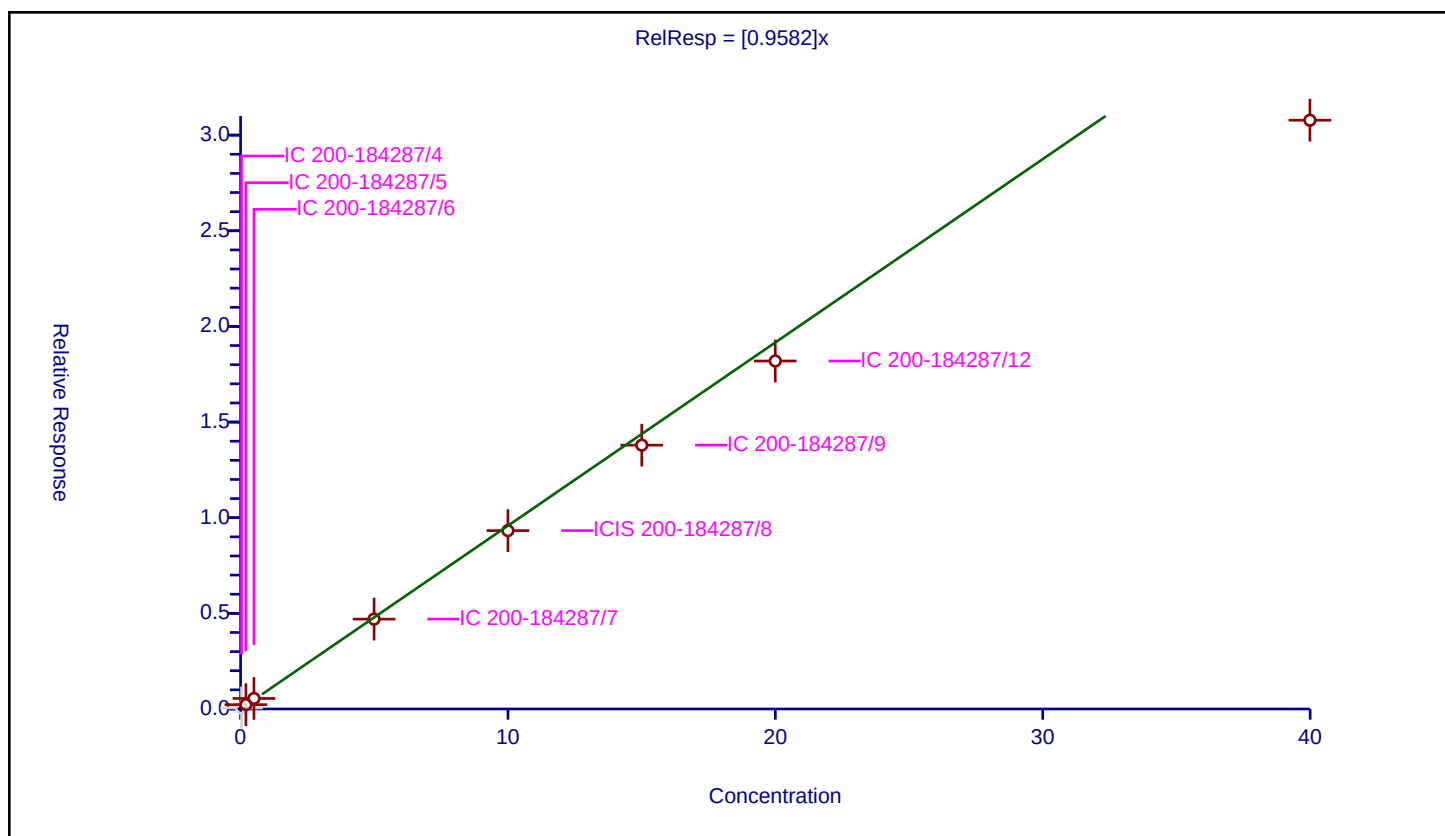
Curve Coefficients

Intercept: 0
Slope: 0.9582

Error Coefficients

Standard Error: 3020000
Relative Standard Error: 12.9
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.05549	10.0	1660839.0	1.581952	N
2	IC 200-184287/5	0.20044	0.227053	10.0	1664725.0	1.132772	Y
3	IC 200-184287/6	0.500453	0.551488	10.0	1720508.0	1.101979	Y
4	IC 200-184287/7	4.992563	4.699094	10.0	1710168.0	0.941219	Y
5	ICIS 200-184287/8	9.99806	9.325212	10.0	1756760.0	0.932702	Y
6	IC 200-184287/9	15.003557	13.792522	10.0	1826120.0	0.919283	Y
7	IC 200-184287/12	19.99612	18.192142	10.0	1871840.0	0.909784	Y
8	IC 200-184287/13	39.99224	30.779649	10.0	1883695.0	0.769641	Y



Calibration

/ 1,2-Dichloroethane

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

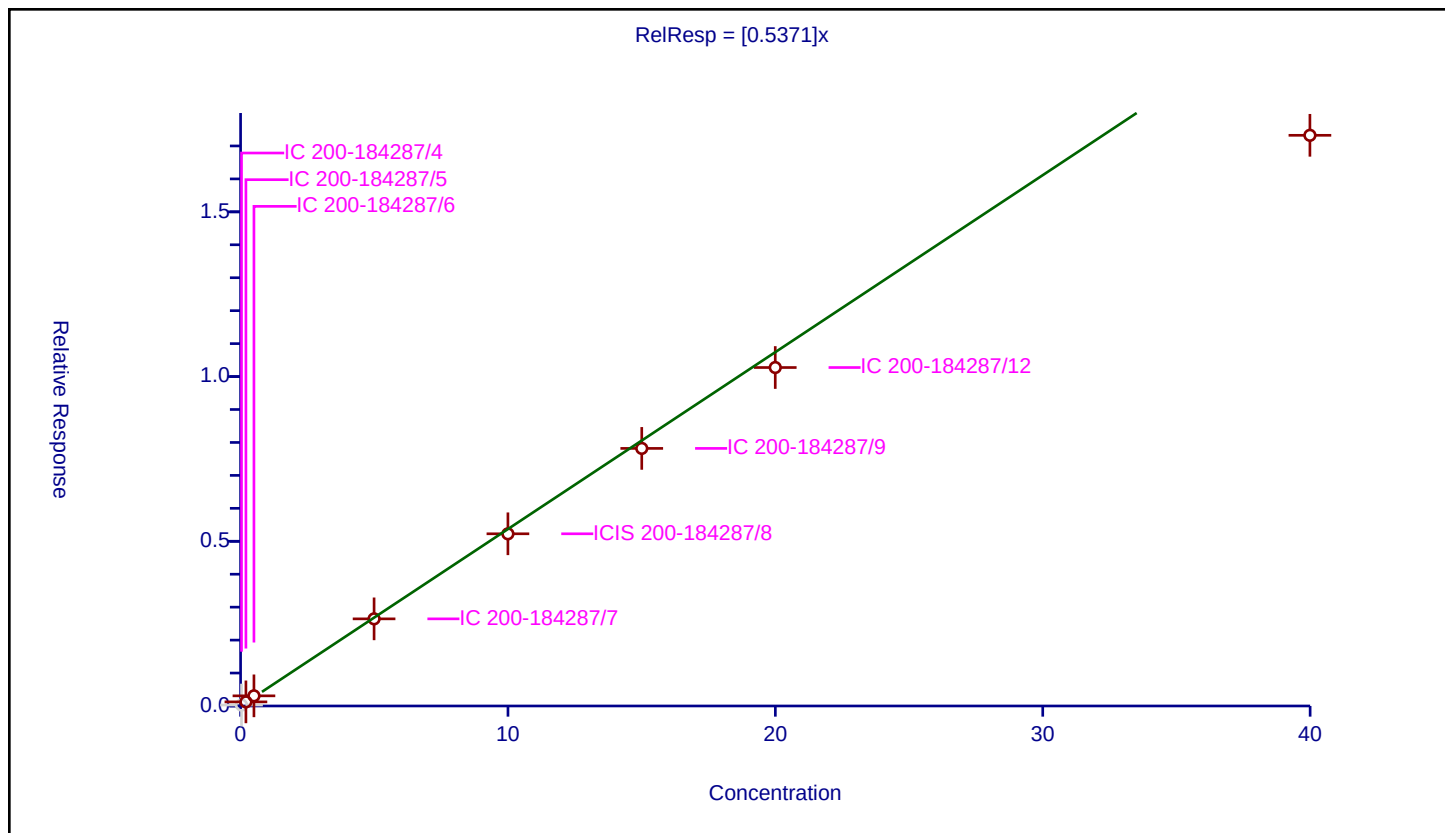
Curve Coefficients

Intercept: 0
 Slope: 0.5371

Error Coefficients

Standard Error: 1700000
 Relative Standard Error: 12.1
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.028955	10.0	1660839.0	0.825478	N
2	IC 200-184287/5	0.20044	0.124994	10.0	1664725.0	0.623597	Y
3	IC 200-184287/6	0.500453	0.30806	10.0	1720508.0	0.615563	Y
4	IC 200-184287/7	4.992563	2.644658	10.0	1710168.0	0.52972	Y
5	ICIS 200-184287/8	9.99806	5.226804	10.0	1756760.0	0.522782	Y
6	IC 200-184287/9	15.003557	7.819043	10.0	1826120.0	0.521146	Y
7	IC 200-184287/12	19.99612	10.274227	10.0	1871840.0	0.513811	Y
8	IC 200-184287/13	39.99224	17.323356	10.0	1883695.0	0.433168	Y



Calibration

/ Isooctane

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

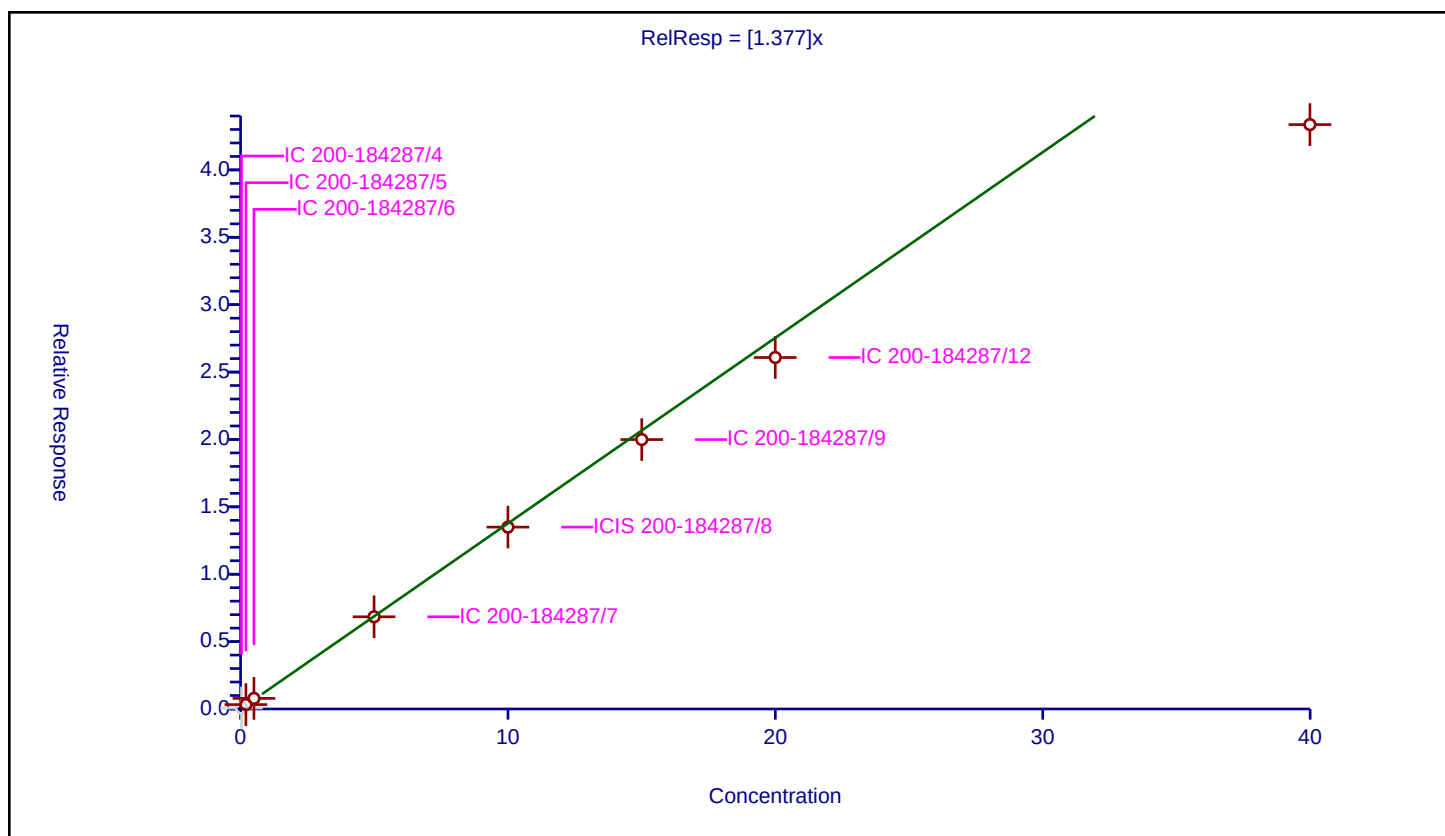
Curve Coefficients

Intercept: 0
 Slope: 1.377

Error Coefficients

Standard Error: 4300000
 Relative Standard Error: 13.1
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.072385	10.0	1660839.0	2.063609	N
2	IC 200-184287/5	0.20044	0.326252	10.0	1664725.0	1.627682	Y
3	IC 200-184287/6	0.500453	0.786419	10.0	1720508.0	1.571415	Y
4	IC 200-184287/7	4.992563	6.840989	10.0	1710168.0	1.370236	Y
5	ICIS 200-184287/8	9.99806	13.496744	10.0	1756760.0	1.349936	Y
6	IC 200-184287/9	15.003557	19.991917	10.0	1826120.0	1.332479	Y
7	IC 200-184287/12	19.99612	26.080995	10.0	1871840.0	1.304303	Y
8	IC 200-184287/13	39.99224	43.363236	10.0	1883695.0	1.084291	Y



Calibration

/ n-Heptane

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

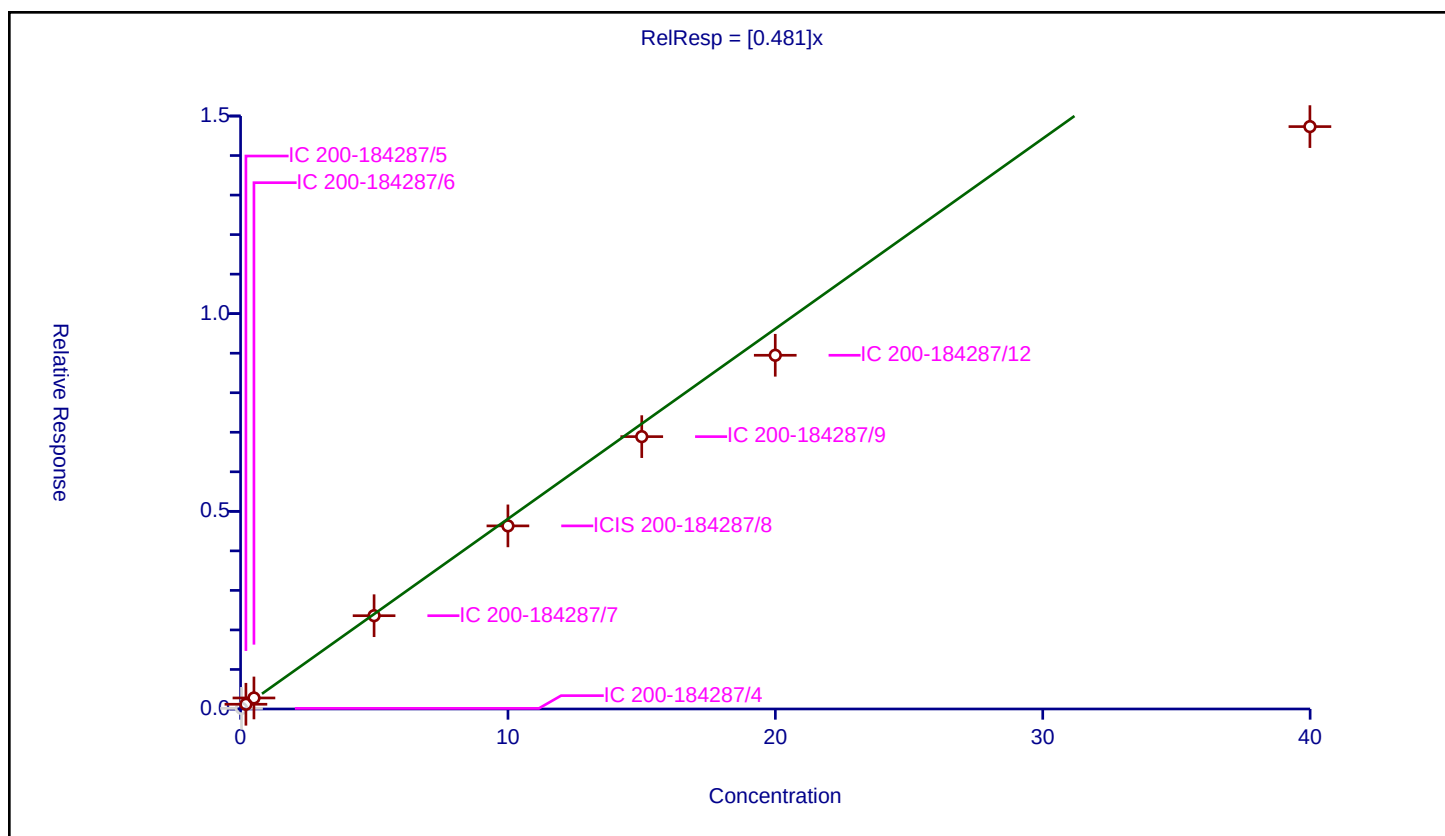
Curve Coefficients

Intercept: 0
 Slope: 0.481

Error Coefficients

Standard Error: 1470000
 Relative Standard Error: 15.7
 Correlation Coefficient: 0.987
 Coefficient of Determination (Adjusted): 0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.015607	10.0	1660839.0	0.444924	N
2	IC 200-184287/5	0.20044	0.119942	10.0	1664725.0	0.598393	Y
3	IC 200-184287/6	0.500453	0.278929	10.0	1720508.0	0.557354	Y
4	IC 200-184287/7	4.992563	2.359751	10.0	1710168.0	0.472653	Y
5	ICIS 200-184287/8	9.99806	4.631879	10.0	1756760.0	0.463278	Y
6	IC 200-184287/9	15.003557	6.889525	10.0	1826120.0	0.459193	Y
7	IC 200-184287/12	19.99612	8.947544	10.0	1871840.0	0.447464	Y
8	IC 200-184287/13	39.99224	14.731897	10.0	1883695.0	0.368369	Y



Calibration

/ n-Butanol

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

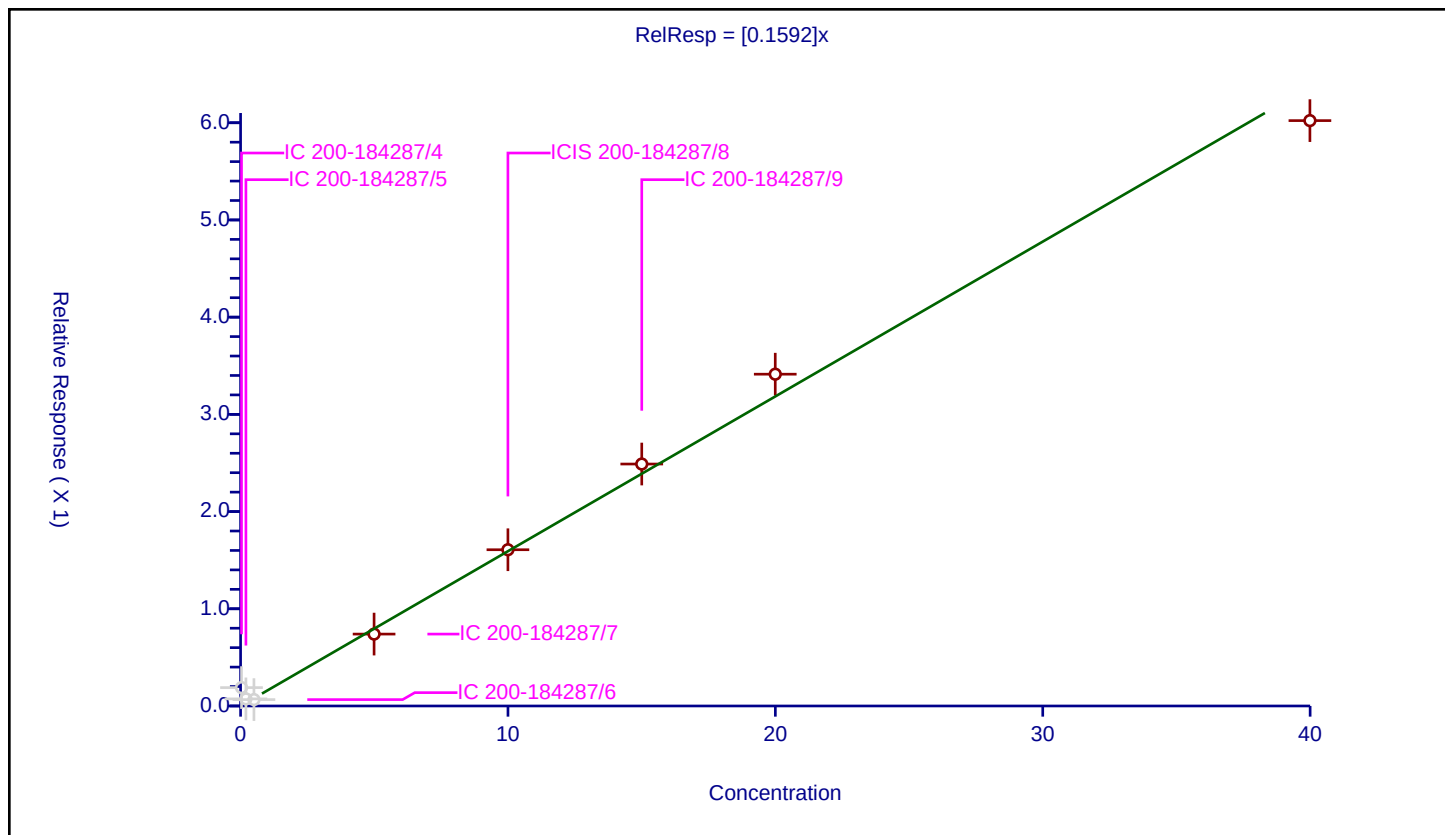
Curve Coefficients

Intercept: 0
 Slope: 0.1592

Error Coefficients

Standard Error: 707000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.189067	10.0	1660839.0	5.390068	N
2	IC 200-184287/5	0.20044	0.073075	10.0	1664725.0	0.364574	N
3	IC 200-184287/6	0.500453	0.065696	10.0	1720508.0	0.131273	N
4	IC 200-184287/7	4.992563	0.739845	10.0	1710168.0	0.14819	Y
5	ICIS 200-184287/8	9.99806	1.60751	10.0	1756760.0	0.160782	Y
6	IC 200-184287/9	15.003557	2.489179	10.0	1826120.0	0.165906	Y
7	IC 200-184287/12	19.99612	3.413401	10.0	1871840.0	0.170703	Y
8	IC 200-184287/13	39.99224	6.021824	10.0	1883695.0	0.150575	Y



Calibration

/ Trichloroethene

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

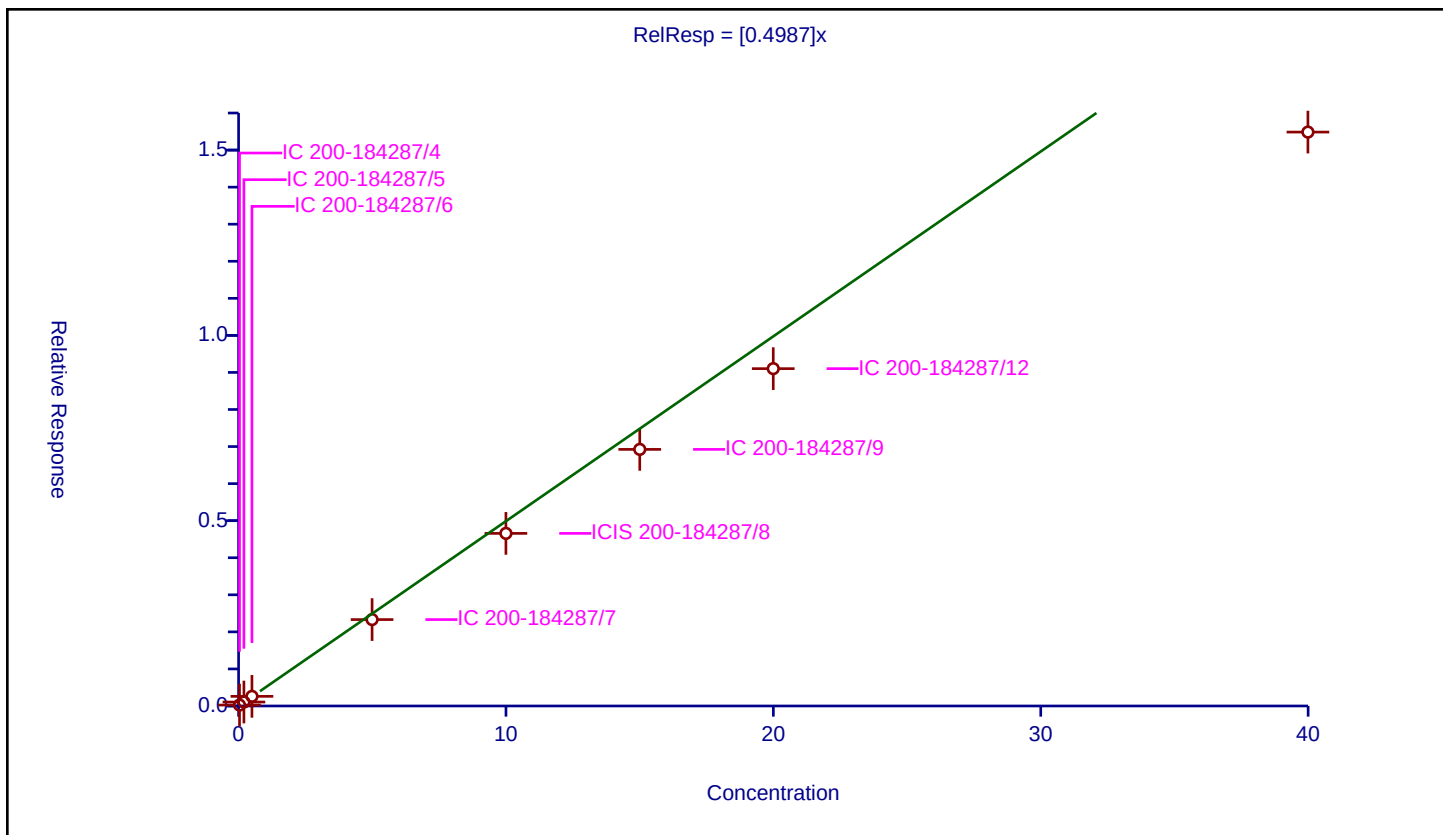
Curve Coefficients

Intercept: 0
 Slope: 0.4987

Error Coefficients

Standard Error: 1410000
 Relative Standard Error: 18.6
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.024584	10.0	1660839.0	0.700858	Y
2	IC 200-184287/5	0.20044	0.106636	10.0	1664725.0	0.532012	Y
3	IC 200-184287/6	0.500453	0.26022	10.0	1720508.0	0.519969	Y
4	IC 200-184287/7	4.992563	2.331882	10.0	1710168.0	0.467071	Y
5	ICIS 200-184287/8	9.99806	4.657216	10.0	1756760.0	0.465812	Y
6	IC 200-184287/9	15.003557	6.924041	10.0	1826120.0	0.461493	Y
7	IC 200-184287/12	19.99612	9.102546	10.0	1871840.0	0.455216	Y
8	IC 200-184287/13	39.99224	15.485331	10.0	1883695.0	0.387208	Y



Calibration

/ 1,2-Dichloropropane

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

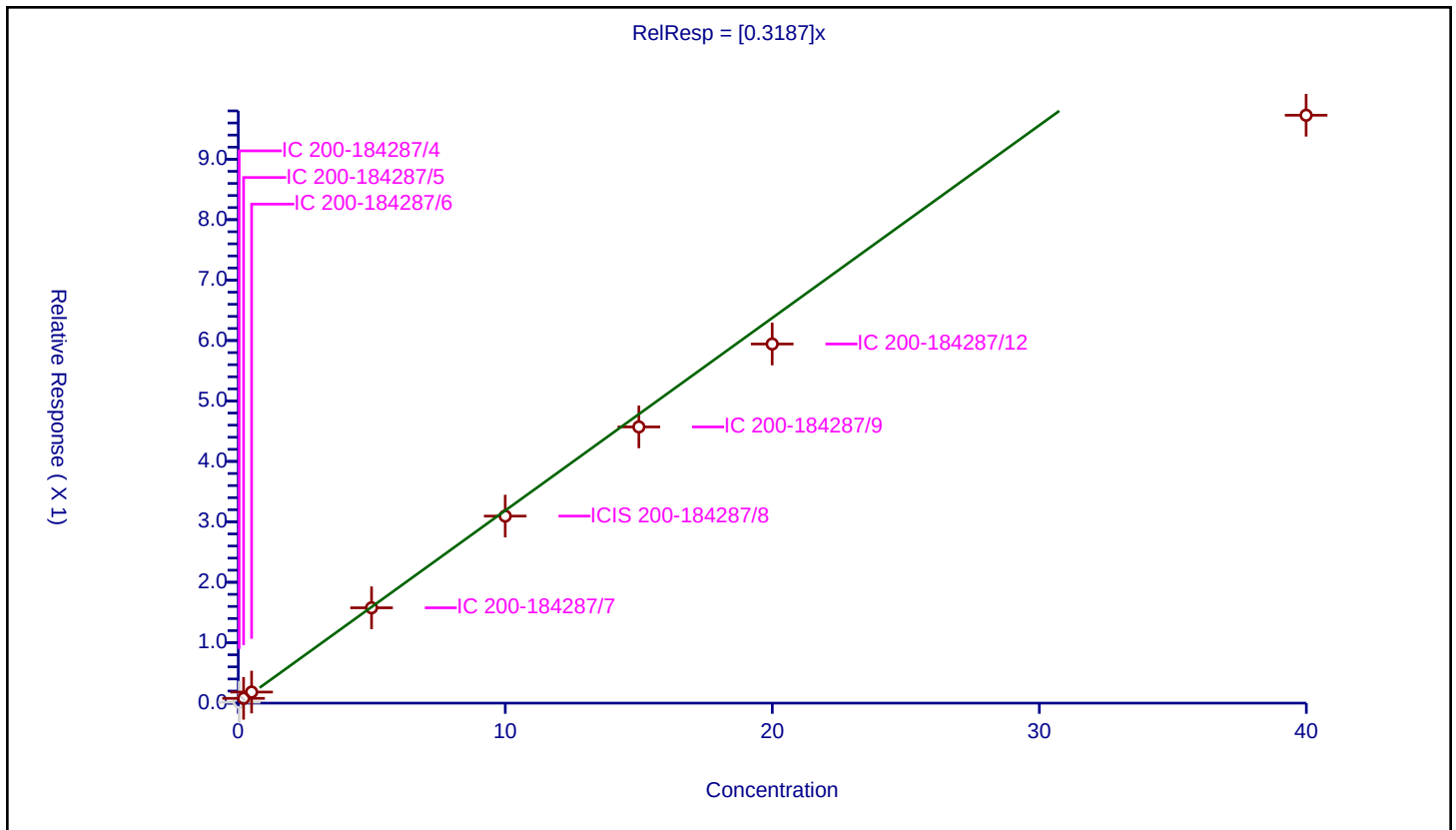
Curve Coefficients

Intercept: 0
 Slope: 0.3187

Error Coefficients

Standard Error: 971000
 Relative Standard Error: 15.4
 Correlation Coefficient: 0.986
 Coefficient of Determination (Adjusted): 0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.015179	10.0	1660839.0	0.432737	N
2	IC 200-184287/5	0.20044	0.07907	10.0	1664725.0	0.394483	Y
3	IC 200-184287/6	0.500453	0.183132	10.0	1720508.0	0.365933	Y
4	IC 200-184287/7	4.992563	1.577406	10.0	1710168.0	0.315951	Y
5	ICIS 200-184287/8	9.99806	3.094862	10.0	1756760.0	0.309546	Y
6	IC 200-184287/9	15.003557	4.570576	10.0	1826120.0	0.304633	Y
7	IC 200-184287/12	19.99612	5.942516	10.0	1871840.0	0.297183	Y
8	IC 200-184287/13	39.99224	9.728029	10.0	1883695.0	0.243248	Y



Calibration

/ Methyl methacrylate

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

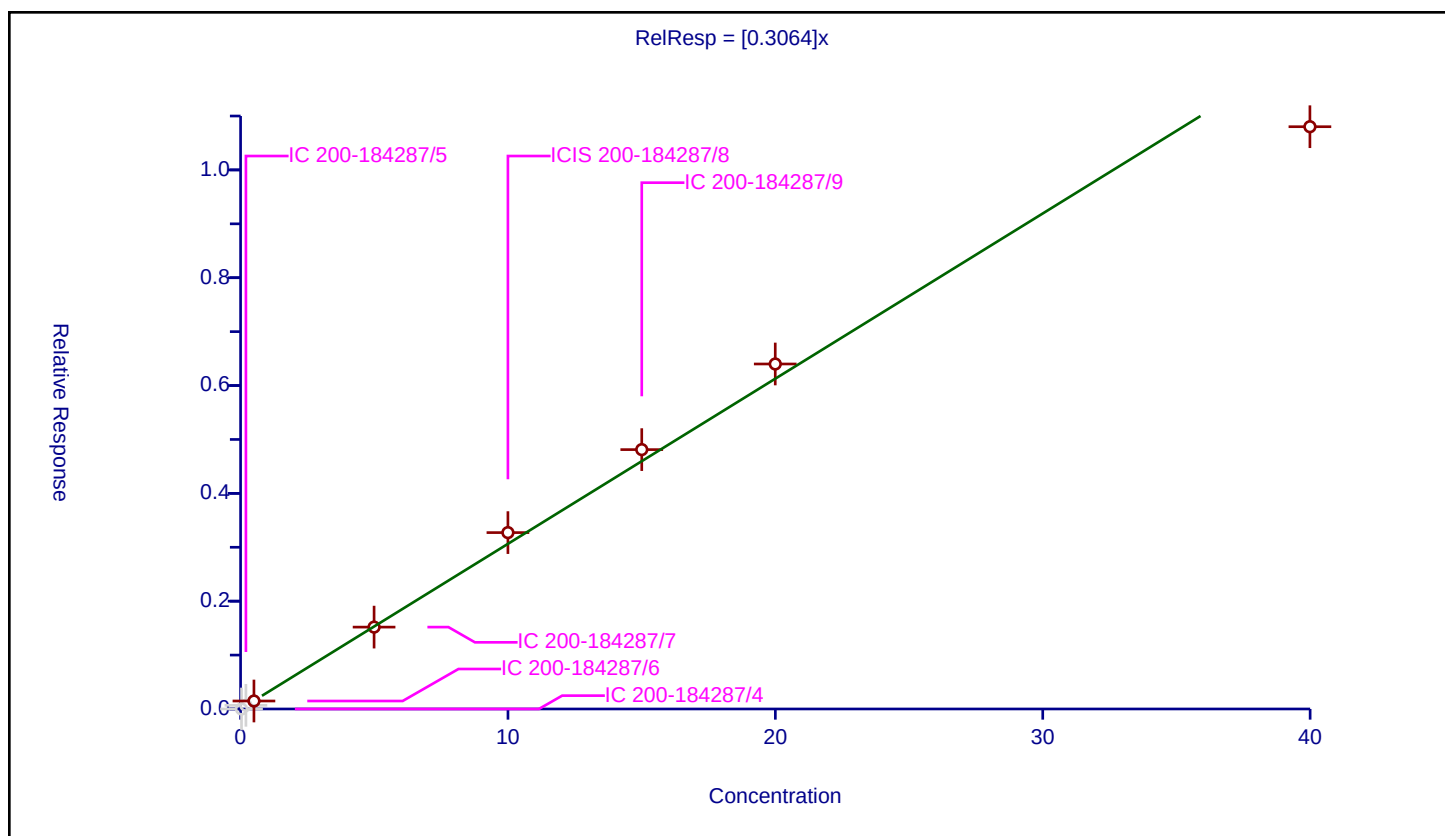
Curve Coefficients

Intercept: 0
 Slope: 0.3064

Error Coefficients

Standard Error: 1160000
 Relative Standard Error: 6.9
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.0	10.0	1660839.0	0.0	N
2	IC 200-184287/5	0.20044	0.067771	10.0	1664725.0	0.338111	N
3	IC 200-184287/6	0.500453	0.148154	10.0	1720508.0	0.29604	Y
4	IC 200-184287/7	4.992563	1.518757	10.0	1710168.0	0.304204	Y
5	ICIS 200-184287/8	9.99806	3.271921	10.0	1756760.0	0.327256	Y
6	IC 200-184287/9	15.003557	4.811754	10.0	1826120.0	0.320708	Y
7	IC 200-184287/12	19.99612	6.400024	10.0	1871840.0	0.320063	Y
8	IC 200-184287/13	39.99224	10.801568	10.0	1883695.0	0.270092	Y



Calibration

/ 1,4-Dioxane

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

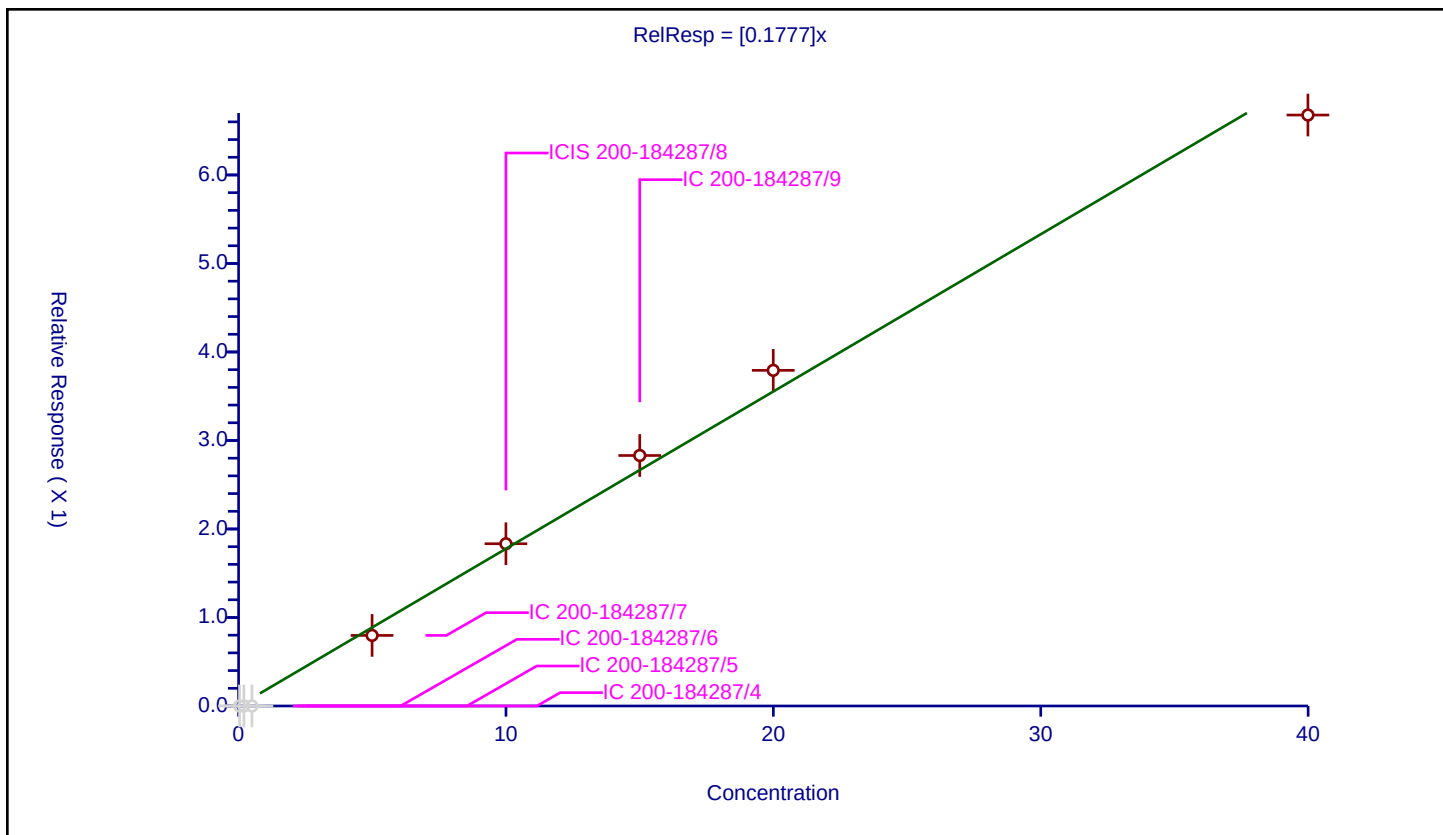
Curve Coefficients

Intercept: 0
 Slope: 0.1777

Error Coefficients

Standard Error: 787000
 Relative Standard Error: 7.6
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.0	10.0	1660839.0	0.0	N
2	IC 200-184287/5	0.20044	0.0	10.0	1664725.0	0.0	N
3	IC 200-184287/6	0.500453	0.0	10.0	1720508.0	0.0	N
4	IC 200-184287/7	4.992563	0.797448	10.0	1710168.0	0.159727	Y
5	ICIS 200-184287/8	9.99806	1.833182	10.0	1756760.0	0.183354	Y
6	IC 200-184287/9	15.003557	2.8304	10.0	1826120.0	0.188649	Y
7	IC 200-184287/12	19.99612	3.79244	10.0	1871840.0	0.189659	Y
8	IC 200-184287/13	39.99224	6.677201	10.0	1883695.0	0.166962	Y



Calibration

/ Dibromomethane

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

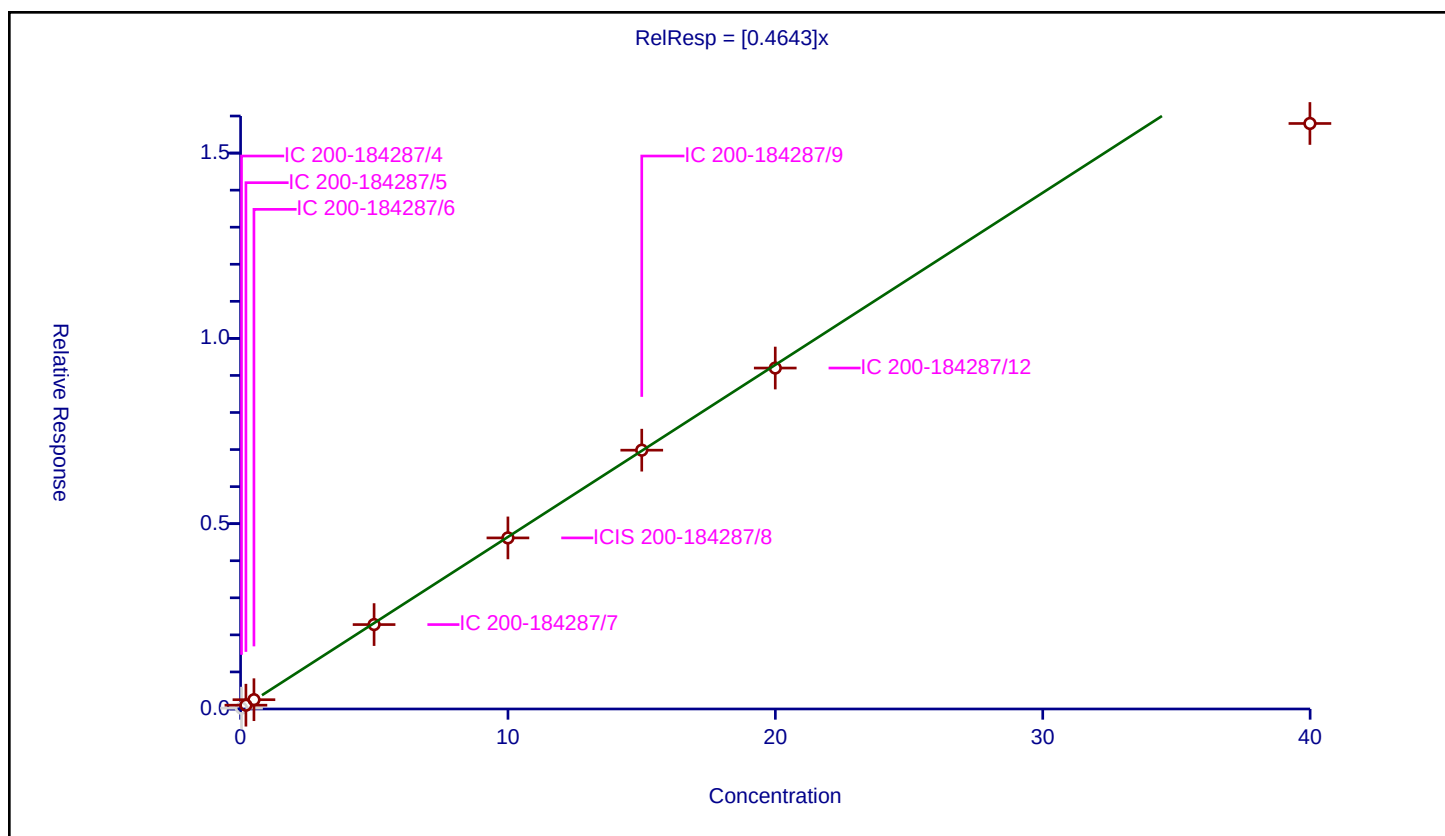
Curve Coefficients

Intercept: 0
Slope: 0.4643

Error Coefficients

Standard Error: 1540000
Relative Standard Error: 8.1
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.022994	10.0	1660839.0	0.655542	N
2	IC 200-184287/5	0.20044	0.102431	10.0	1664725.0	0.511033	Y
3	IC 200-184287/6	0.500453	0.250595	10.0	1720508.0	0.500736	Y
4	IC 200-184287/7	4.992563	2.277724	10.0	1710168.0	0.456223	Y
5	ICIS 200-184287/8	9.99806	4.616311	10.0	1756760.0	0.461721	Y
6	IC 200-184287/9	15.003557	6.983637	10.0	1826120.0	0.465465	Y
7	IC 200-184287/12	19.99612	9.199376	10.0	1871840.0	0.460058	Y
8	IC 200-184287/13	39.99224	15.798359	10.0	1883695.0	0.395036	Y



Calibration

/ Dichlorobromomethane

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

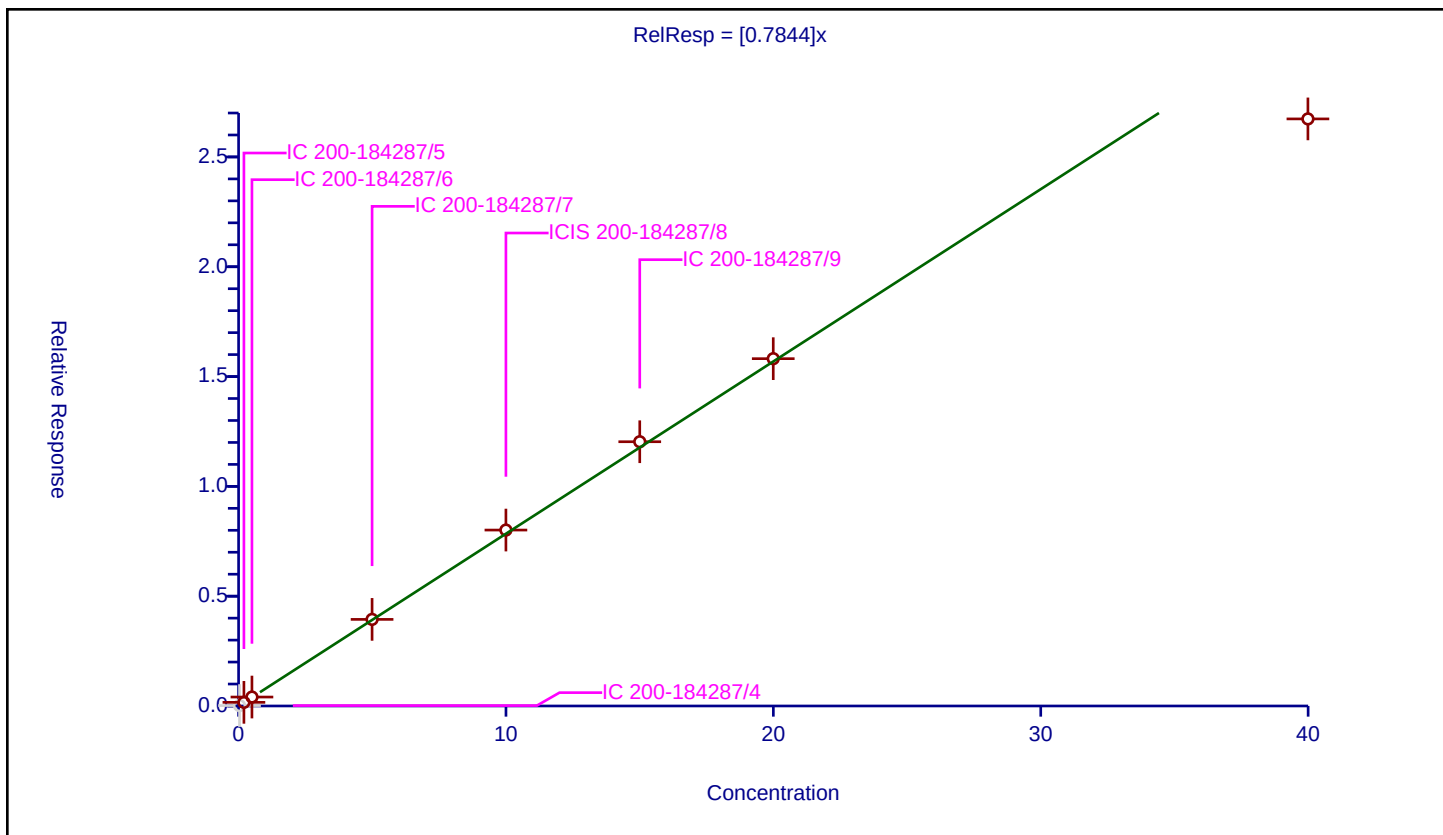
Curve Coefficients

Intercept: 0
 Slope: 0.7844

Error Coefficients

Standard Error: 2630000
 Relative Standard Error: 6.7
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.018268	10.0	1660839.0	0.520794	N
2	IC 200-184287/5	0.20044	0.165138	10.0	1664725.0	0.823881	Y
3	IC 200-184287/6	0.500453	0.407664	10.0	1720508.0	0.814592	Y
4	IC 200-184287/7	4.992563	3.942993	10.0	1710168.0	0.789773	Y
5	ICIS 200-184287/8	9.99806	8.010628	10.0	1756760.0	0.801218	Y
6	IC 200-184287/9	15.003557	12.032293	10.0	1826120.0	0.801963	Y
7	IC 200-184287/12	19.99612	15.814183	10.0	1871840.0	0.790863	Y
8	IC 200-184287/13	39.99224	26.731451	10.0	1883695.0	0.668416	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

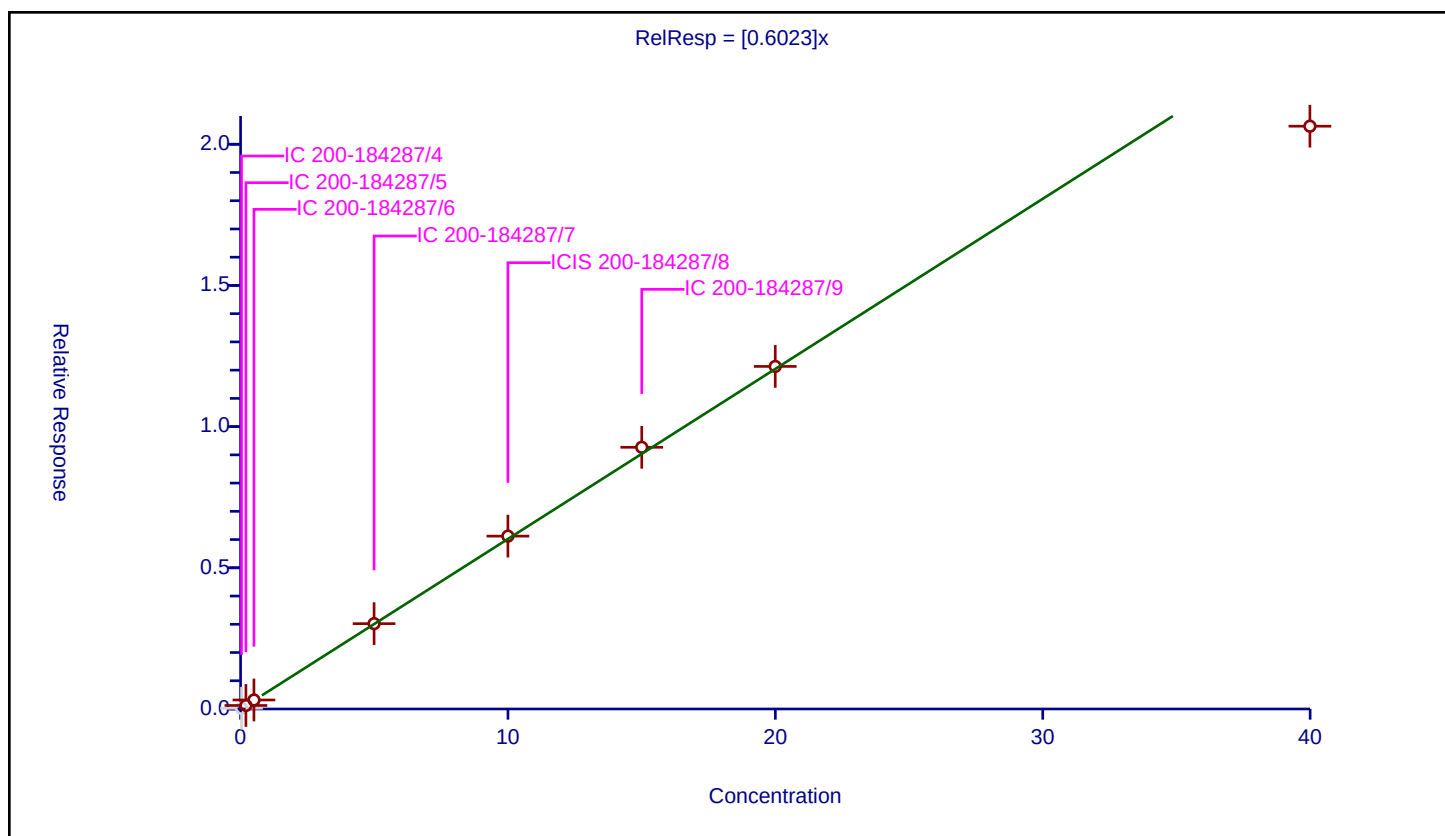
Curve Coefficients

Intercept: 0
Slope: 0.6023

Error Coefficients

Standard Error: 2020000
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 200-184287/4	0.035077	0.025571	10.0	1660839.0	0.729009	N
2	IC 200-184287/5	0.20044	0.124507	10.0	1664725.0	0.62117	Y
3	IC 200-184287/6	0.500453	0.318464	10.0	1720508.0	0.636352	Y
4	IC 200-184287/7	4.992563	3.022609	10.0	1710168.0	0.605422	Y
5	ICIS 200-184287/8	9.99806	6.122288	10.0	1756760.0	0.612348	Y
6	IC 200-184287/9	15.003557	9.268055	10.0	1826120.0	0.617724	Y
7	IC 200-184287/12	19.99612	12.132004	10.0	1871840.0	0.606718	Y
8	IC 200-184287/13	39.99224	20.639106	10.0	1883695.0	0.516078	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

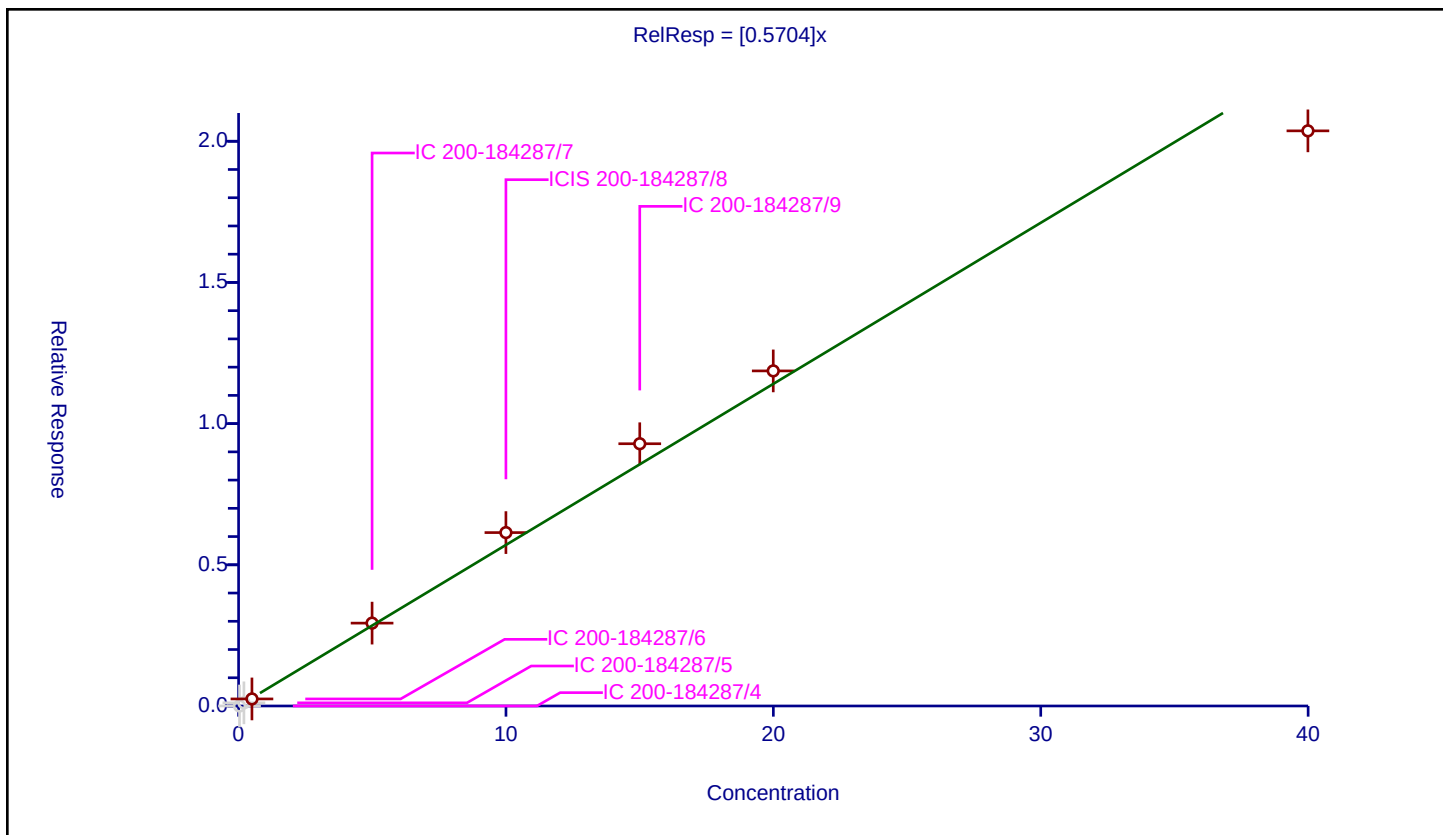
Curve Coefficients

Intercept: 0
 Slope: 0.5704

Error Coefficients

Standard Error: 2190000
 Relative Standard Error: 9.3
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.0	10.0	1660839.0	0.0	N
2	IC 200-184287/5	0.20044	0.112283	10.0	1664725.0	0.560183	N
3	IC 200-184287/6	0.500453	0.24945	10.0	1720508.0	0.498448	Y
4	IC 200-184287/7	4.992563	2.935092	10.0	1710168.0	0.587893	Y
5	ICIS 200-184287/8	9.99806	6.141044	10.0	1756760.0	0.614224	Y
6	IC 200-184287/9	15.003557	9.287604	10.0	1826120.0	0.619027	Y
7	IC 200-184287/12	19.99612	11.866906	10.0	1871840.0	0.59346	Y
8	IC 200-184287/13	39.99224	20.367793	10.0	1883695.0	0.509294	Y



Calibration

/ Toluene

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

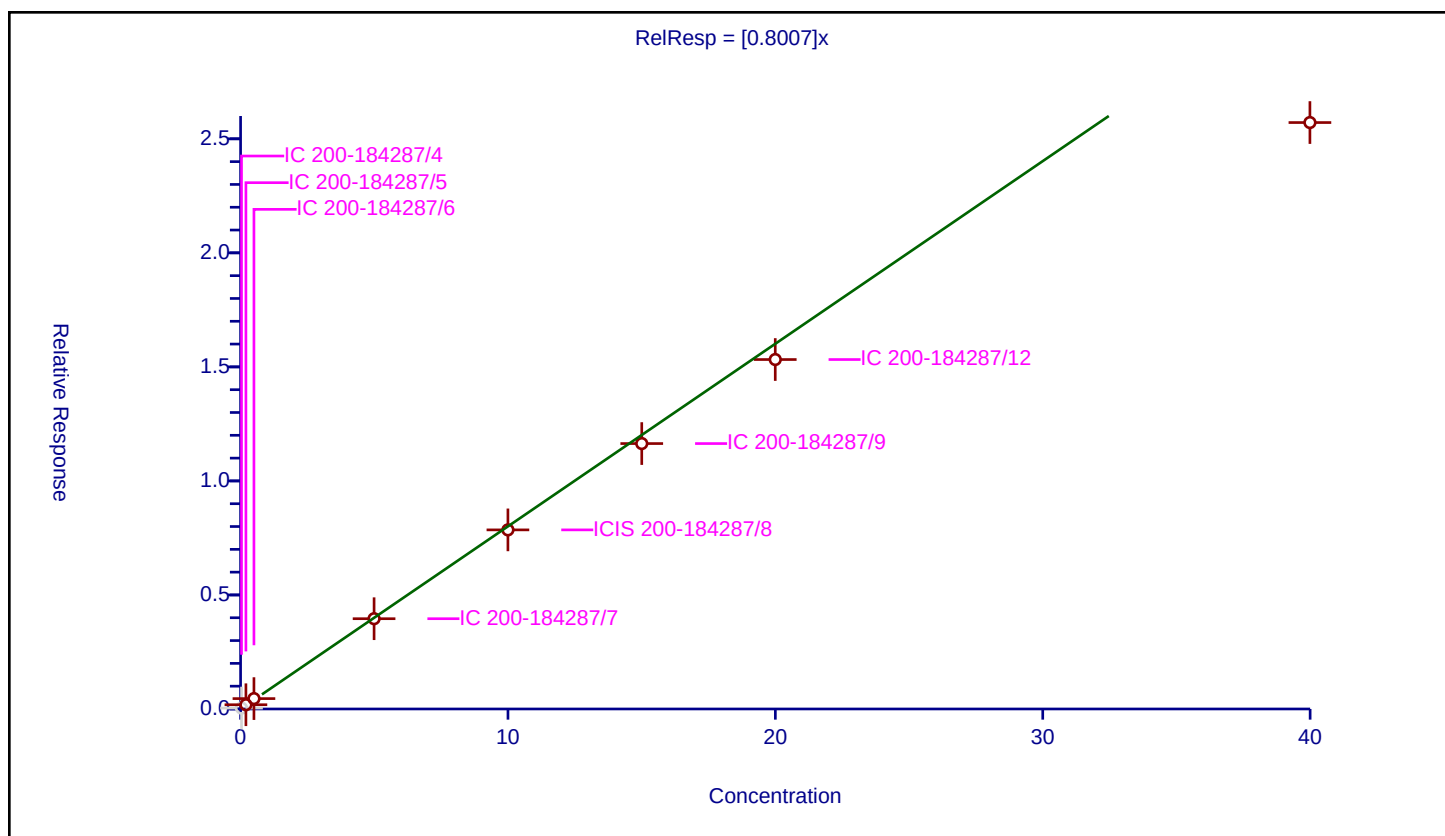
Curve Coefficients

Intercept: 0
Slope: 0.8007

Error Coefficients

Standard Error: 2320000
Relative Standard Error: 12.1
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.040847	10.0	1493369.0	1.164504	N
2	IC 200-184287/5	0.20044	0.186877	10.0	1494779.0	0.932336	Y
3	IC 200-184287/6	0.500453	0.455183	10.0	1541160.0	0.909543	Y
4	IC 200-184287/7	4.992563	3.95857	10.0	1552356.0	0.792893	Y
5	ICIS 200-184287/8	9.99806	7.852696	10.0	1606191.0	0.785422	Y
6	IC 200-184287/9	15.003557	11.638048	10.0	1667009.0	0.775686	Y
7	IC 200-184287/12	19.99612	15.321949	10.0	1707726.0	0.766246	Y
8	IC 200-184287/13	39.99224	25.713875	10.0	1730367.0	0.642972	Y



Calibration

/ n-Octane

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

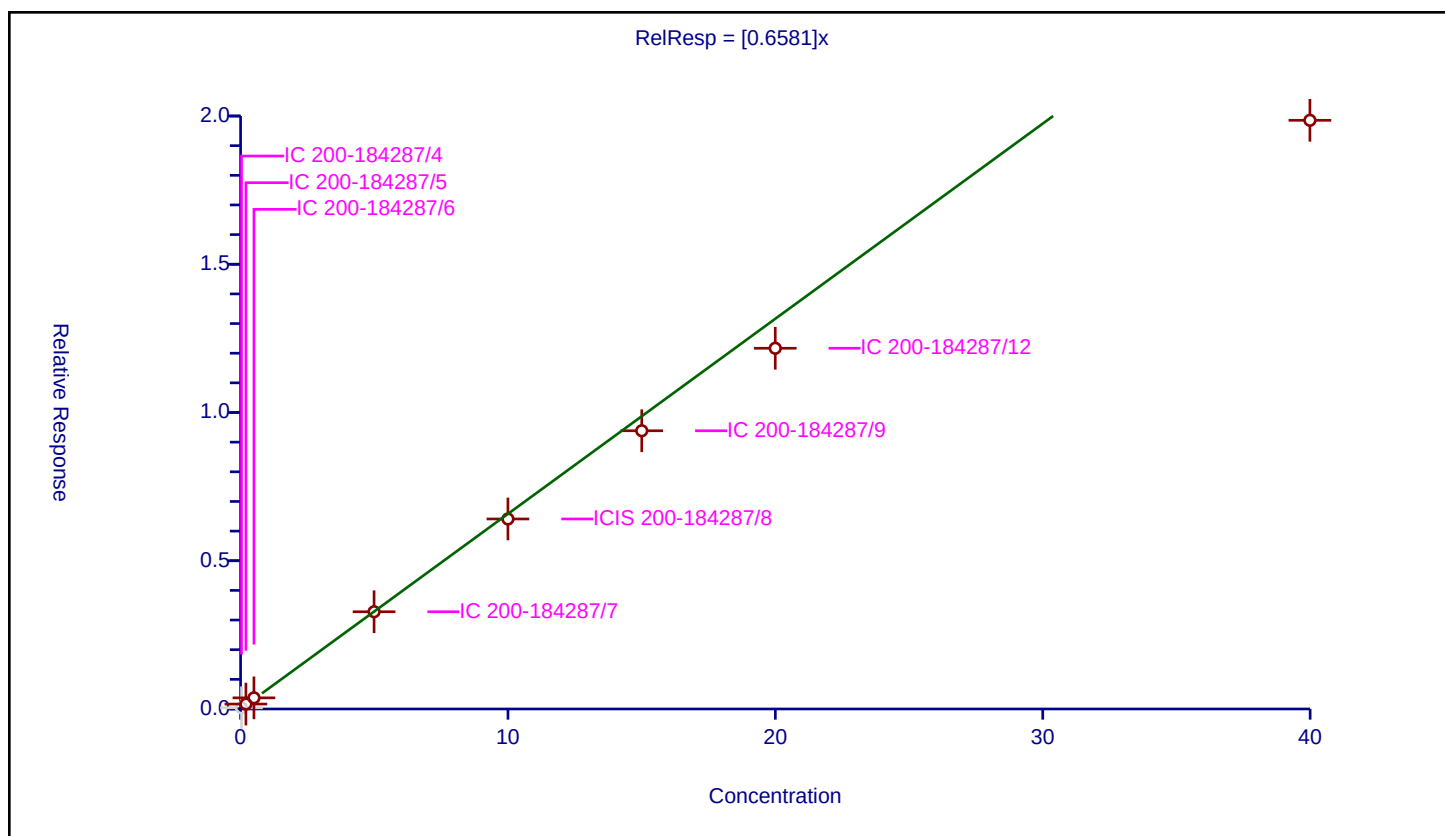
Curve Coefficients

Intercept: 0
Slope: 0.6581

Error Coefficients

Standard Error: 1990000
Relative Standard Error: 16.1
Correlation Coefficient: 0.986
Coefficient of Determination (Adjusted): 0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.041178	10.0	1660839.0	1.173933	N
2	IC 200-184287/5	0.20044	0.165835	10.0	1664725.0	0.827357	Y
3	IC 200-184287/6	0.500453	0.375941	10.0	1720508.0	0.751203	Y
4	IC 200-184287/7	4.992563	3.279707	10.0	1710168.0	0.656919	Y
5	ICIS 200-184287/8	9.99806	6.408417	10.0	1756760.0	0.640966	Y
6	IC 200-184287/9	15.003557	9.383956	10.0	1826120.0	0.625449	Y
7	IC 200-184287/12	19.99612	12.166793	10.0	1871840.0	0.608458	Y
8	IC 200-184287/13	39.99224	19.854817	10.0	1883695.0	0.496467	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

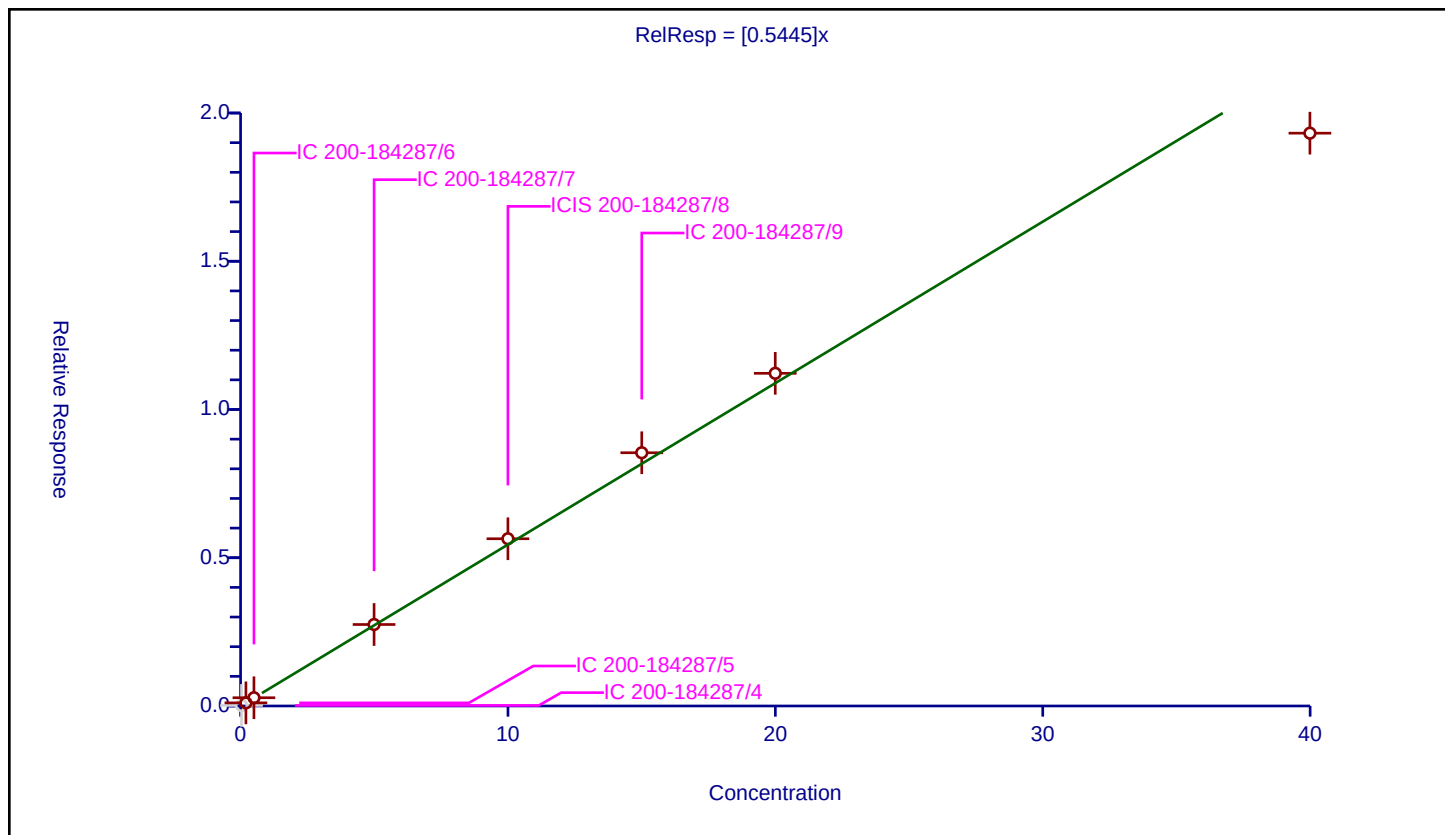
Curve Coefficients

Intercept: 0
Slope: 0.5445

Error Coefficients

Standard Error: 1880000
Relative Standard Error: 5.6
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.018593	10.0	1660839.0	0.530064	N
2	IC 200-184287/5	0.20044	0.105795	10.0	1664725.0	0.527816	Y
3	IC 200-184287/6	0.500453	0.277935	10.0	1720508.0	0.555368	Y
4	IC 200-184287/7	4.992563	2.748326	10.0	1710168.0	0.550484	Y
5	ICIS 200-184287/8	9.99806	5.640475	10.0	1756760.0	0.564157	Y
6	IC 200-184287/9	15.003557	8.541564	10.0	1826120.0	0.569303	Y
7	IC 200-184287/12	19.99612	11.220676	10.0	1871840.0	0.561143	Y
8	IC 200-184287/13	39.99224	19.320198	10.0	1883695.0	0.483099	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

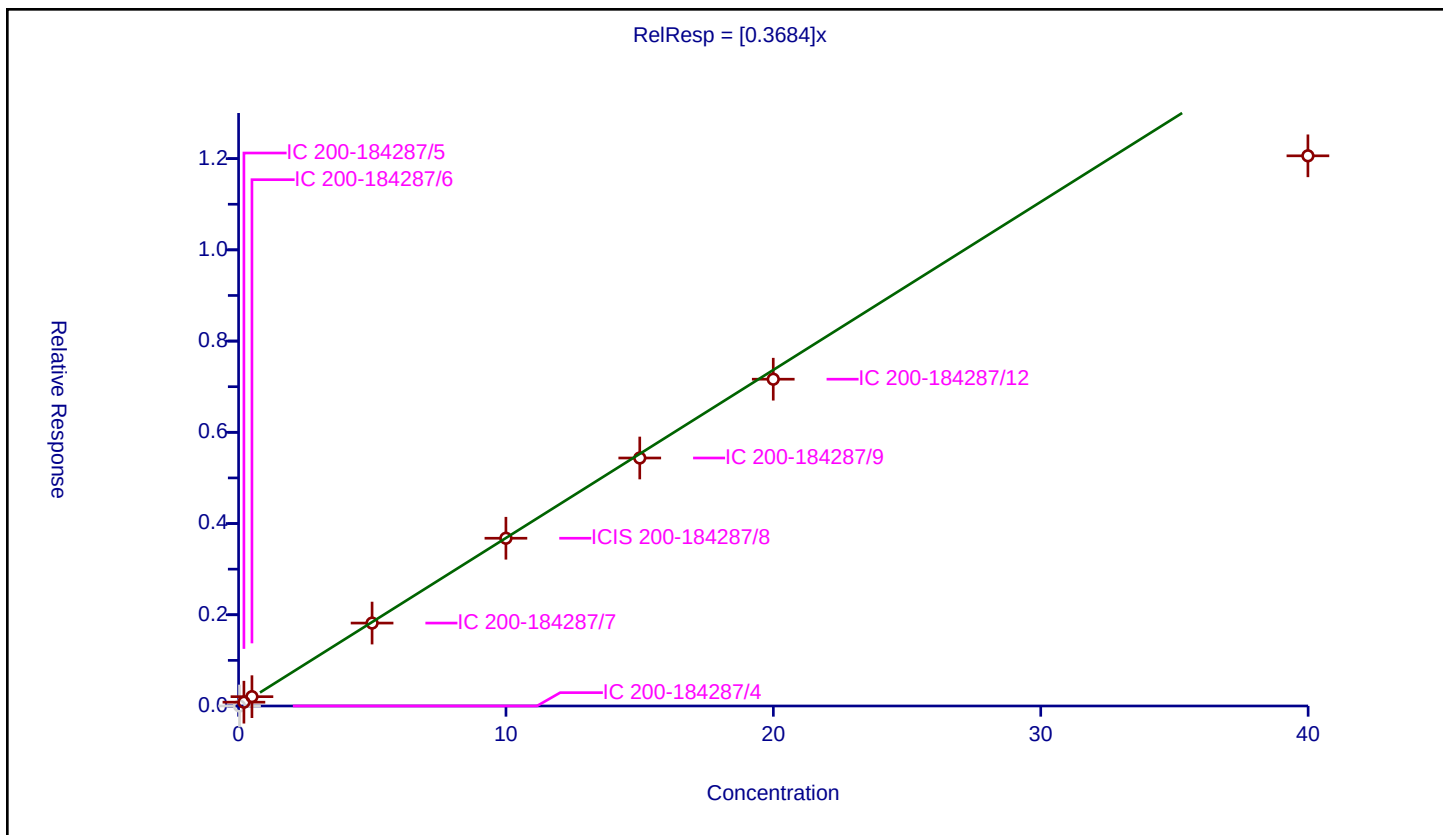
Curve Coefficients

Intercept: 0
 Slope: 0.3684

Error Coefficients

Standard Error: 1090000
 Relative Standard Error: 10.2
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.0	10.0	1493369.0	0.0	N
2	IC 200-184287/5	0.20044	0.083384	10.0	1494779.0	0.416003	Y
3	IC 200-184287/6	0.500453	0.204469	10.0	1541160.0	0.408569	Y
4	IC 200-184287/7	4.992563	1.817966	10.0	1552356.0	0.364135	Y
5	ICIS 200-184287/8	9.99806	3.677583	10.0	1606191.0	0.36783	Y
6	IC 200-184287/9	15.003557	5.436707	10.0	1667009.0	0.362361	Y
7	IC 200-184287/12	19.99612	7.164258	10.0	1707726.0	0.358282	Y
8	IC 200-184287/13	39.99224	12.061667	10.0	1730367.0	0.3016	Y



Calibration

/ Tetrachloroethene

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

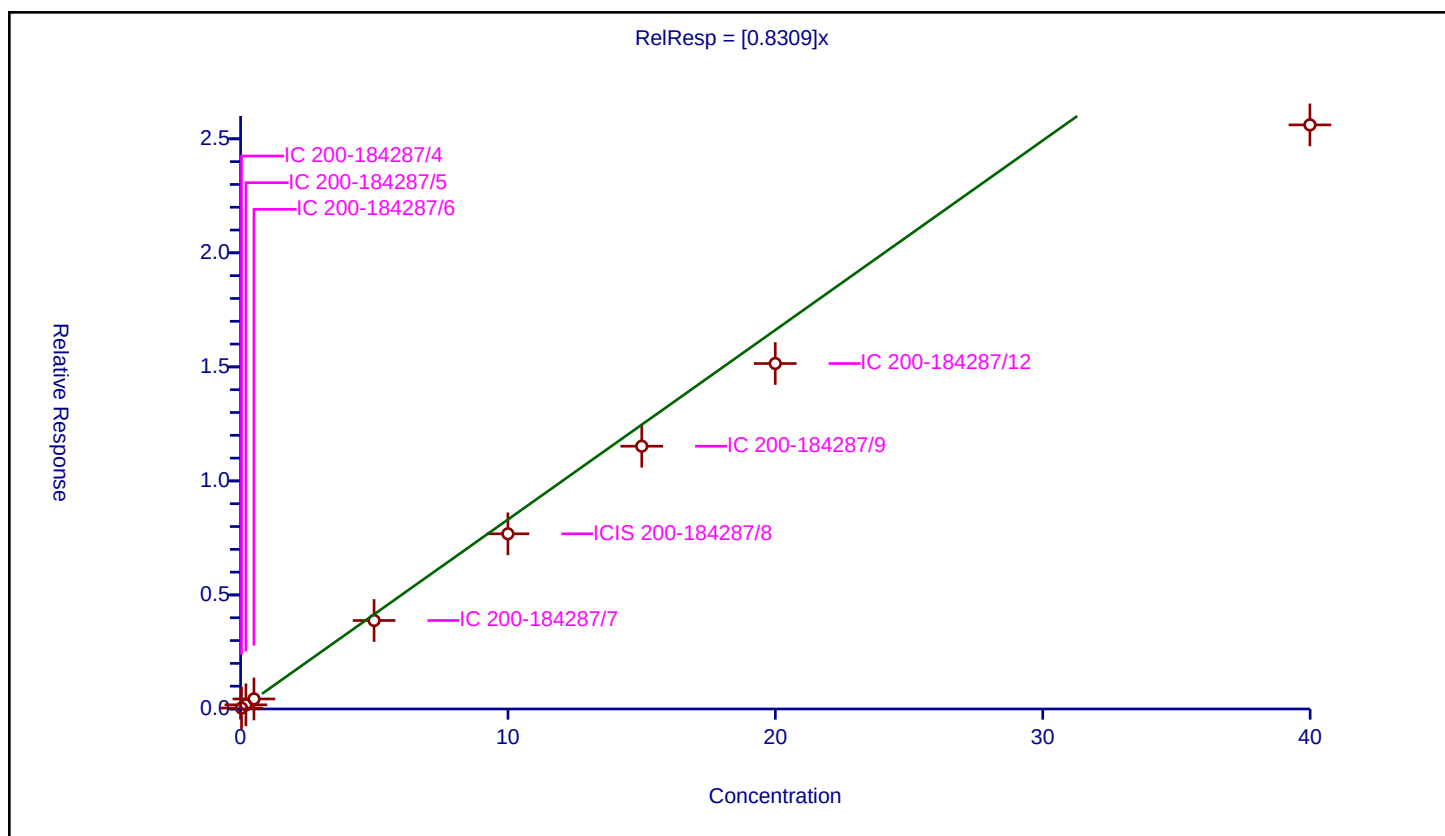
Curve Coefficients

Intercept: 0
Slope: 0.8309

Error Coefficients

Standard Error: 2140000
Relative Standard Error: 18.1
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.04007	10.0	1493369.0	1.142359	Y
2	IC 200-184287/5	0.20044	0.183004	10.0	1494779.0	0.913011	Y
3	IC 200-184287/6	0.500453	0.440499	10.0	1541160.0	0.880202	Y
4	IC 200-184287/7	4.992563	3.880553	10.0	1552356.0	0.777267	Y
5	ICIS 200-184287/8	9.99806	7.681951	10.0	1606191.0	0.768344	Y
6	IC 200-184287/9	15.003557	11.521875	10.0	1667009.0	0.767943	Y
7	IC 200-184287/12	19.99612	15.148308	10.0	1707726.0	0.757562	Y
8	IC 200-184287/13	39.99224	25.611041	10.0	1730367.0	0.6404	Y



Calibration

/ 2-Hexanone

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

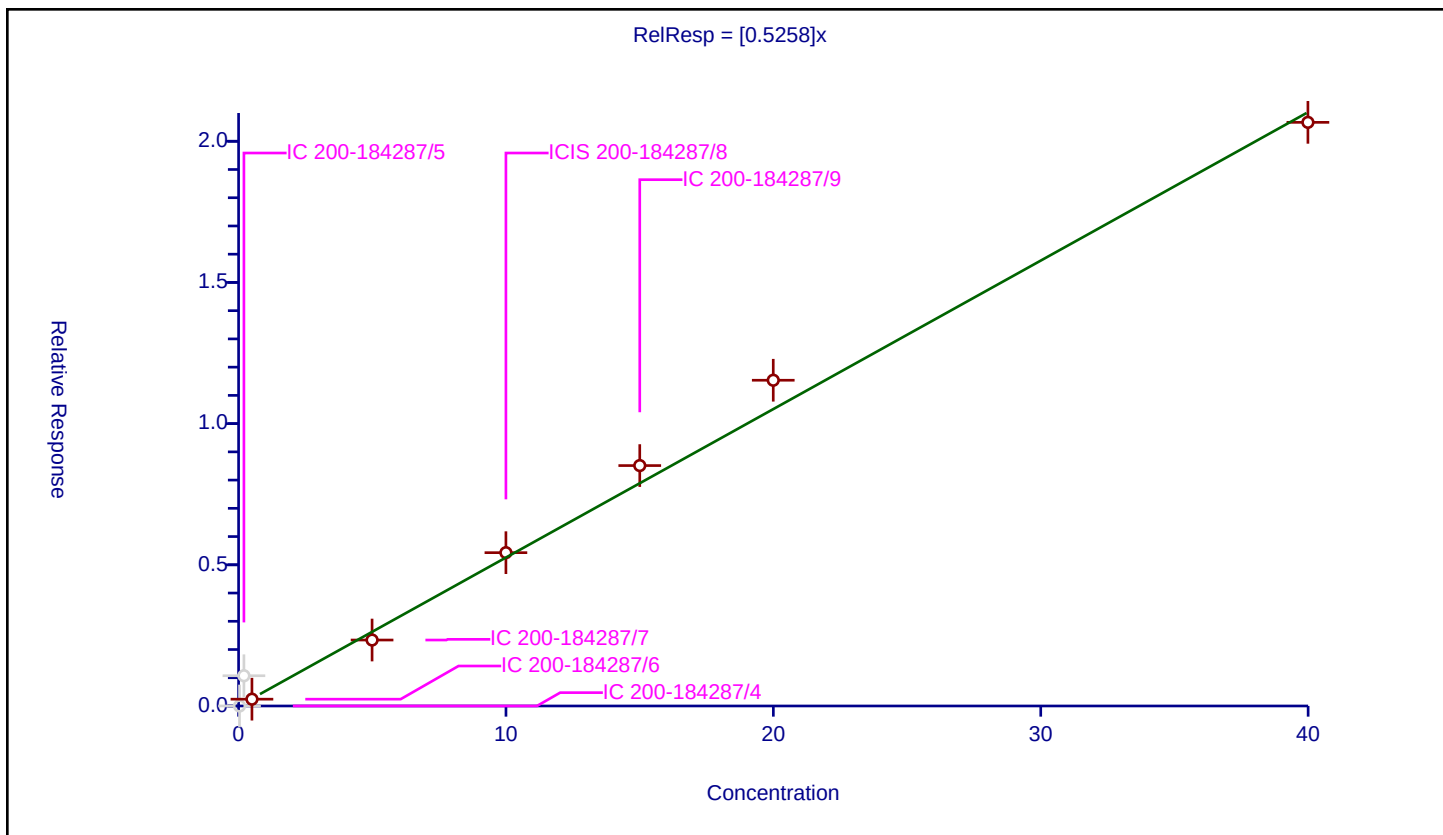
Curve Coefficients

Intercept: 0
 Slope: 0.5258

Error Coefficients

Standard Error: 1980000
 Relative Standard Error: 8.5
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.0	10.0	1493369.0	0.0	N
2	IC 200-184287/5	0.20044	1.071483	10.0	1494779.0	5.345662	N
3	IC 200-184287/6	0.500453	0.241403	10.0	1541160.0	0.482369	Y
4	IC 200-184287/7	4.992563	2.336371	10.0	1552356.0	0.46797	Y
5	ICIS 200-184287/8	9.99806	5.429329	10.0	1606191.0	0.543038	Y
6	IC 200-184287/9	15.003557	8.513961	10.0	1667009.0	0.567463	Y
7	IC 200-184287/12	19.99612	11.536617	10.0	1707726.0	0.576943	Y
8	IC 200-184287/13	39.99224	20.6695	10.0	1730367.0	0.516838	Y



Calibration

/ Chlorodibromomethane

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

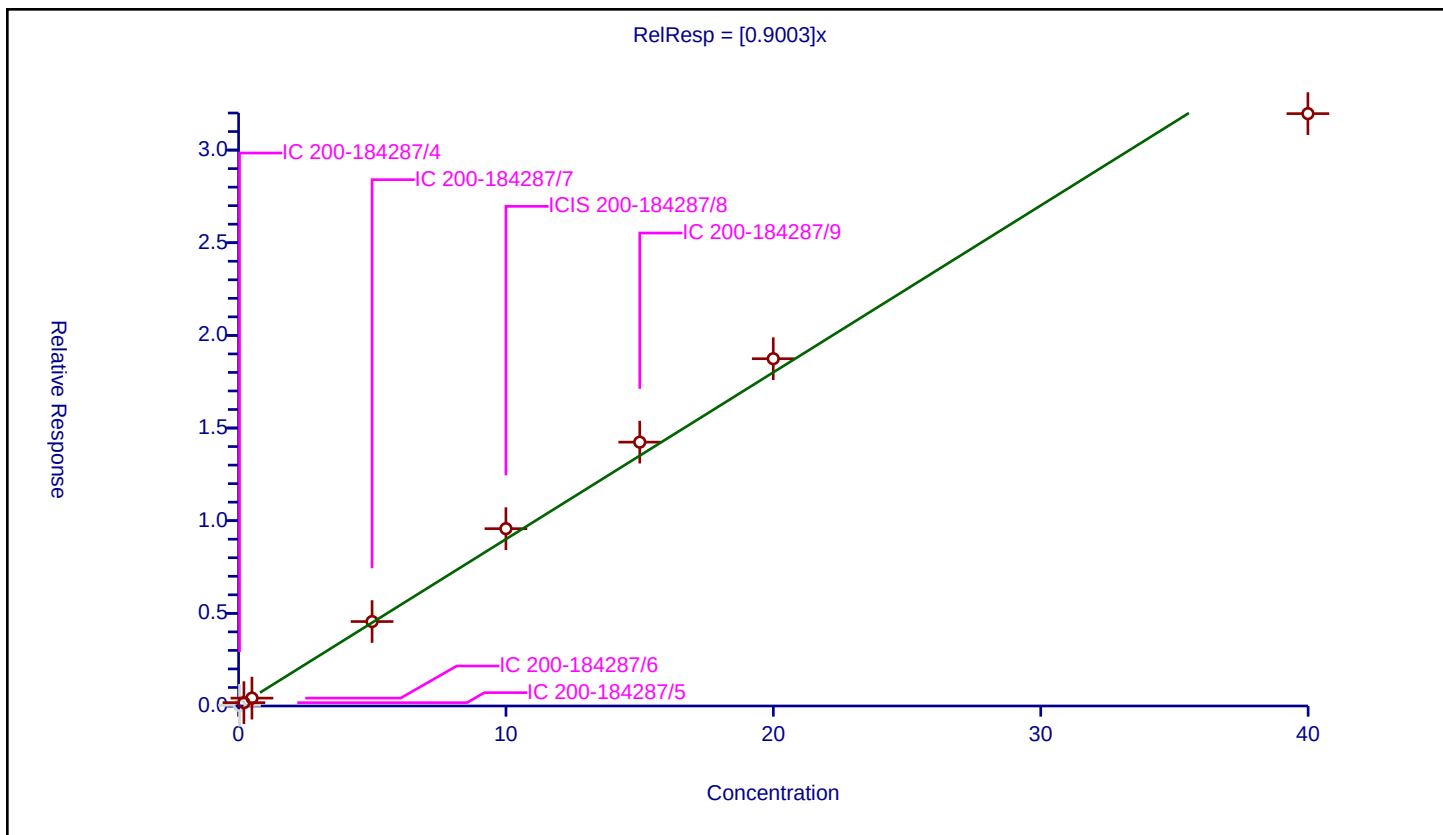
Curve Coefficients

Intercept: 0
 Slope: 0.9003

Error Coefficients

Standard Error: 2870000
 Relative Standard Error: 6.4
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.034392	10.0	1493369.0	0.980474	N
2	IC 200-184287/5	0.20044	0.179986	10.0	1494779.0	0.897958	Y
3	IC 200-184287/6	0.500453	0.424849	10.0	1541160.0	0.848929	Y
4	IC 200-184287/7	4.992563	4.556841	10.0	1552356.0	0.912726	Y
5	ICIS 200-184287/8	9.99806	9.568806	10.0	1606191.0	0.957066	Y
6	IC 200-184287/9	15.003557	14.239551	10.0	1667009.0	0.949078	Y
7	IC 200-184287/12	19.99612	18.73995	10.0	1707726.0	0.937179	Y
8	IC 200-184287/13	39.99224	31.966334	10.0	1730367.0	0.799313	Y



Calibration

/ Ethylene Dibromide

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

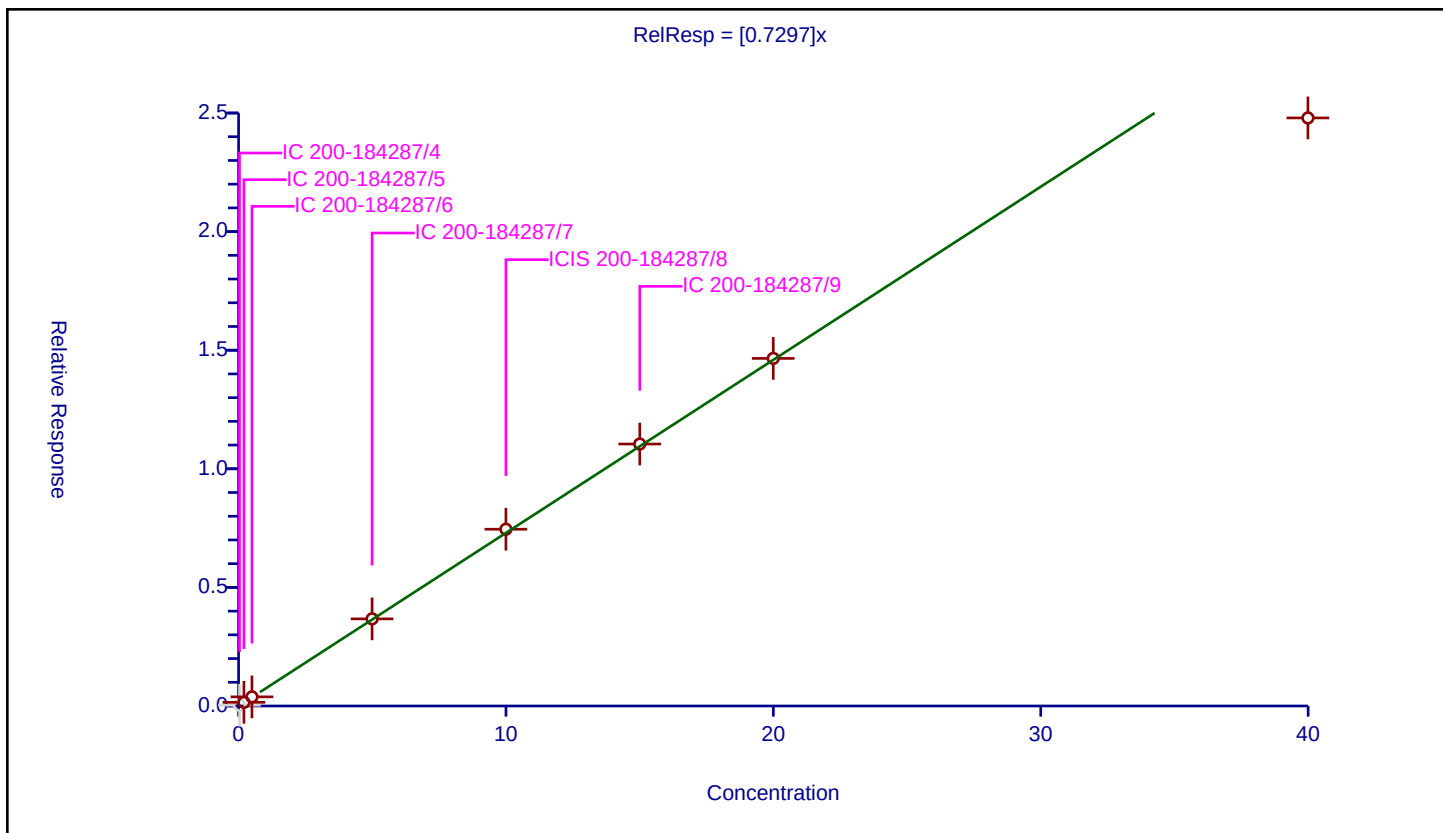
Curve Coefficients

Intercept: 0
 Slope: 0.7297

Error Coefficients

Standard Error: 2230000
 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 200-184287/4	0.035077	0.03237	10.0	1493369.0	0.922822	N
2	IC 200-184287/5	0.20044	0.15419	10.0	1494779.0	0.769259	Y
3	IC 200-184287/6	0.500453	0.384736	10.0	1541160.0	0.768776	Y
4	IC 200-184287/7	4.992563	3.672579	10.0	1552356.0	0.73561	Y
5	ICIS 200-184287/8	9.99806	7.451941	10.0	1606191.0	0.745339	Y
6	IC 200-184287/9	15.003557	11.044775	10.0	1667009.0	0.736144	Y
7	IC 200-184287/12	19.99612	14.65447	10.0	1707726.0	0.732866	Y
8	IC 200-184287/13	39.99224	24.793509	10.0	1730367.0	0.619958	Y



Calibration

/ Chlorobenzene

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

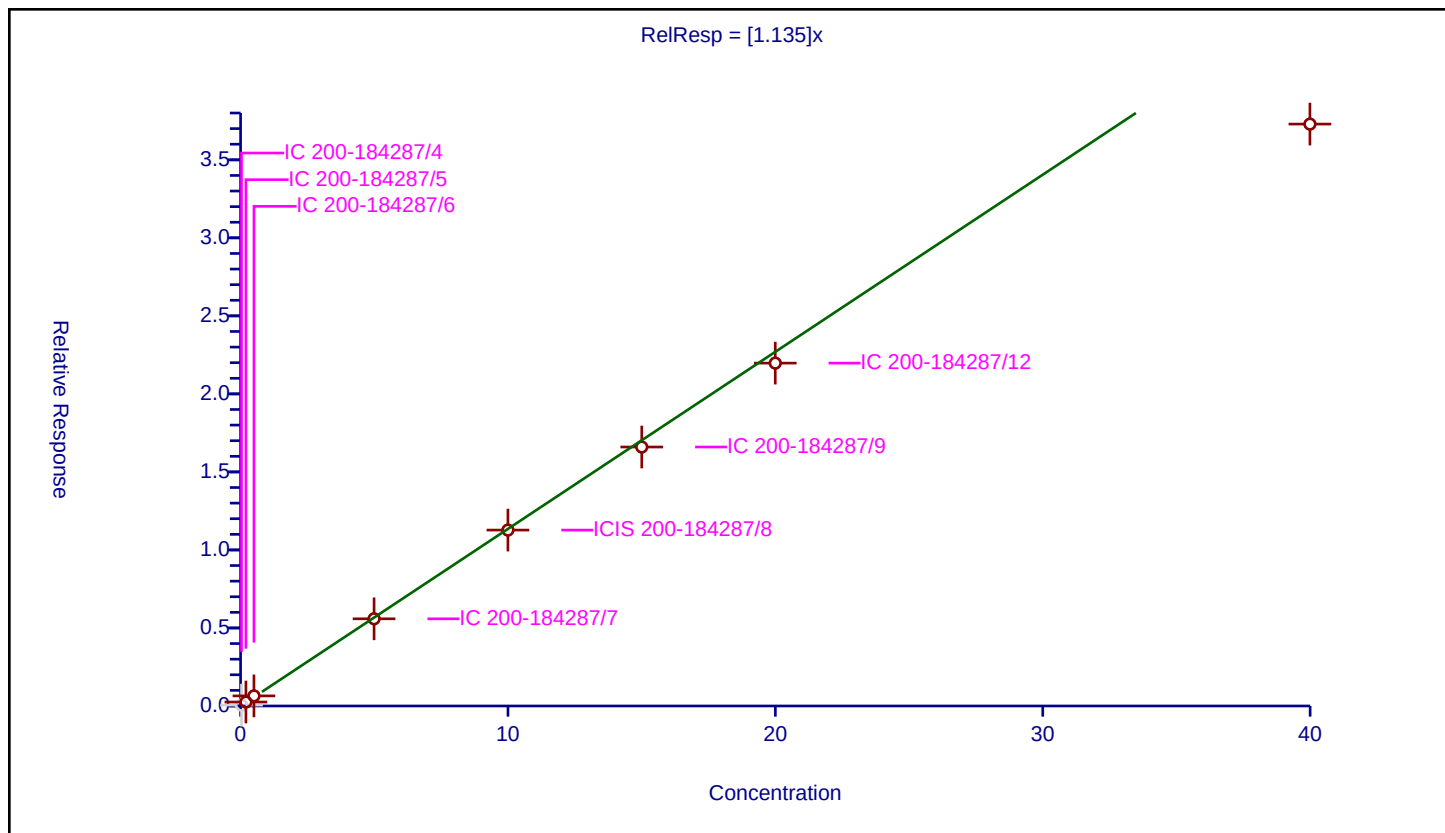
Curve Coefficients

Intercept: 0
 Slope: 1.135

Error Coefficients

Standard Error: 3350000
 Relative Standard Error: 10.5
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.055412	10.0	1493369.0	1.579716	N
2	IC 200-184287/5	0.20044	0.254111	10.0	1494779.0	1.267769	Y
3	IC 200-184287/6	0.500453	0.646909	10.0	1541160.0	1.292648	Y
4	IC 200-184287/7	4.992563	5.586489	10.0	1552356.0	1.118962	Y
5	ICIS 200-184287/8	9.99806	11.272458	10.0	1606191.0	1.127465	Y
6	IC 200-184287/9	15.003557	16.595453	10.0	1667009.0	1.106101	Y
7	IC 200-184287/12	19.99612	21.971885	10.0	1707726.0	1.098807	Y
8	IC 200-184287/13	39.99224	37.290794	10.0	1730367.0	0.932451	Y



Calibration

/ Ethylbenzene

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

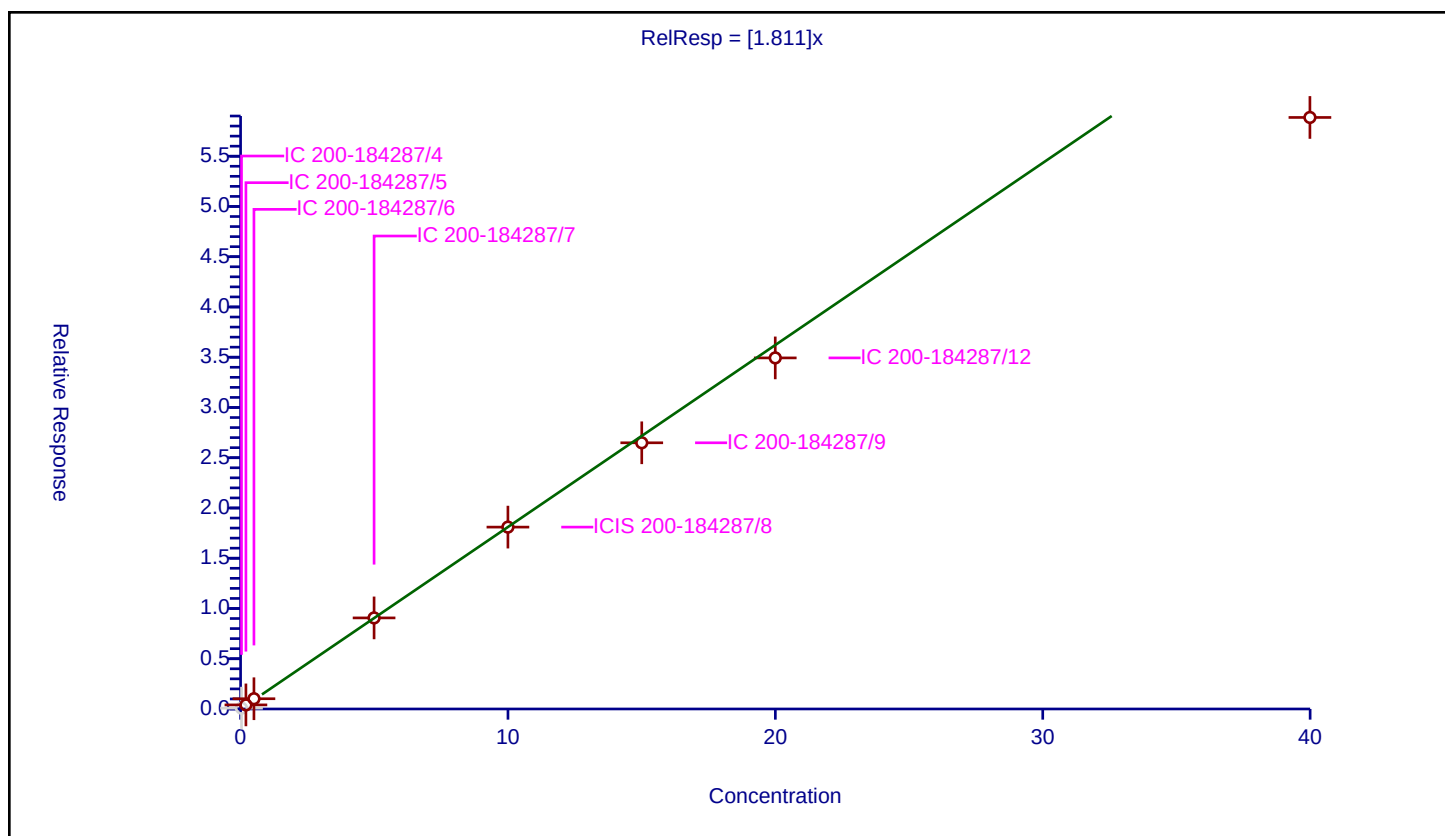
Curve Coefficients

Intercept: 0
Slope: 1.811

Error Coefficients

Standard Error: 5310000
Relative Standard Error: 10.6
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.084869	10.0	1493369.0	2.419496	N
2	IC 200-184287/5	0.20044	0.406421	10.0	1494779.0	2.027649	Y
3	IC 200-184287/6	0.500453	1.020712	10.0	1541160.0	2.039577	Y
4	IC 200-184287/7	4.992563	9.062535	10.0	1552356.0	1.815207	Y
5	ICIS 200-184287/8	9.99806	18.098078	10.0	1606191.0	1.810159	Y
6	IC 200-184287/9	15.003557	26.48543	10.0	1667009.0	1.765277	Y
7	IC 200-184287/12	19.99612	34.932044	10.0	1707726.0	1.746941	Y
8	IC 200-184287/13	39.99224	58.856624	10.0	1730367.0	1.471701	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

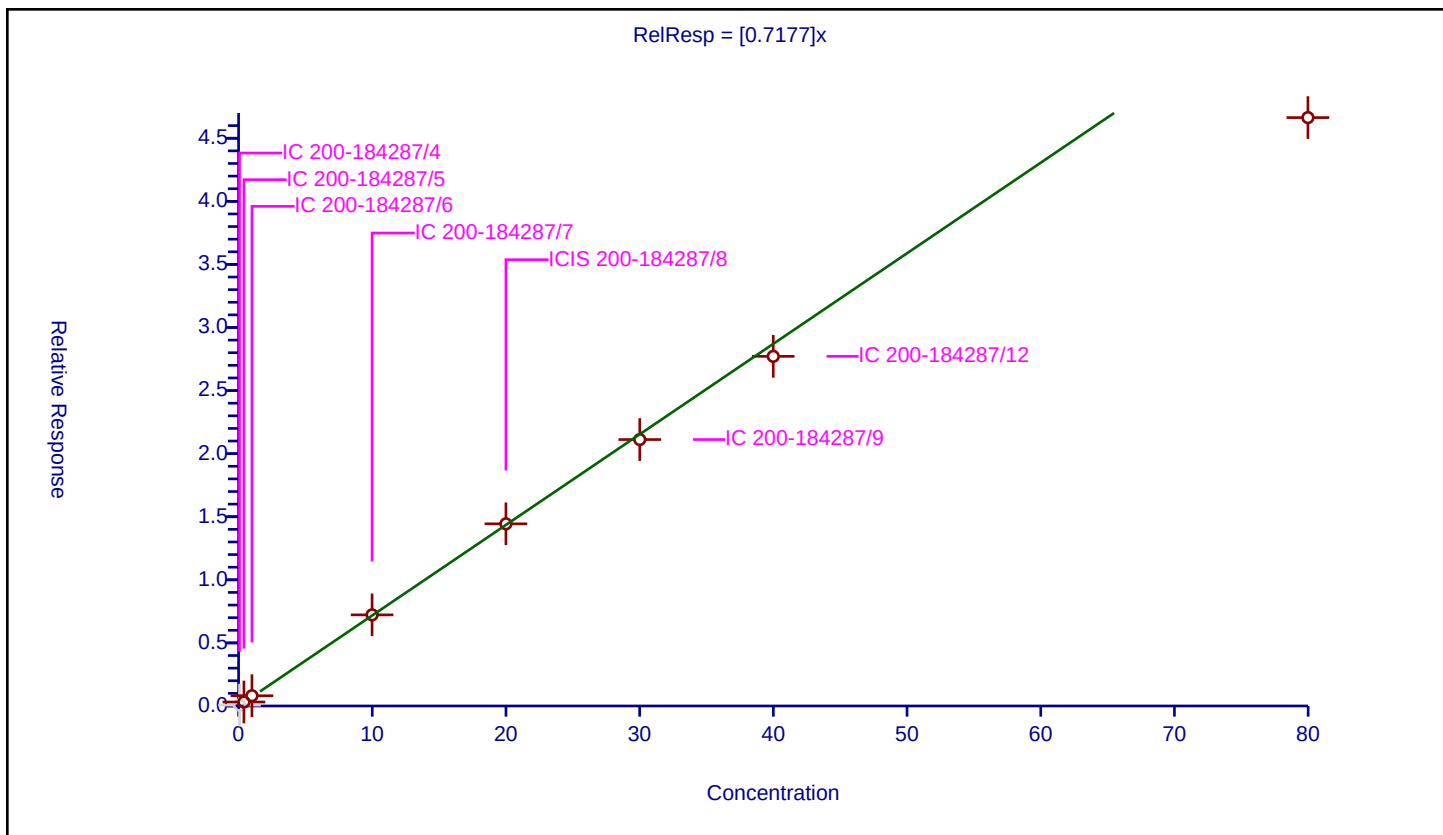
Curve Coefficients

Intercept: 0
 Slope: 0.7177

Error Coefficients

Standard Error: 4210000
 Relative Standard Error: 10.3
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.070154	0.067981	10.0	1493369.0	0.96902	N
2	IC 200-184287/5	0.400879	0.31507	10.0	1494779.0	0.785947	Y
3	IC 200-184287/6	1.000905	0.813381	10.0	1541160.0	0.812645	Y
4	IC 200-184287/7	9.985126	7.223904	10.0	1552356.0	0.723466	Y
5	ICIS 200-184287/8	19.99612	14.438339	10.0	1606191.0	0.722057	Y
6	IC 200-184287/9	30.007114	21.117678	10.0	1667009.0	0.703756	Y
7	IC 200-184287/12	39.99224	27.711987	10.0	1707726.0	0.692934	Y
8	IC 200-184287/13	79.984479	46.636234	10.0	1730367.0	0.583066	Y



Calibration

/ n-Nonane

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

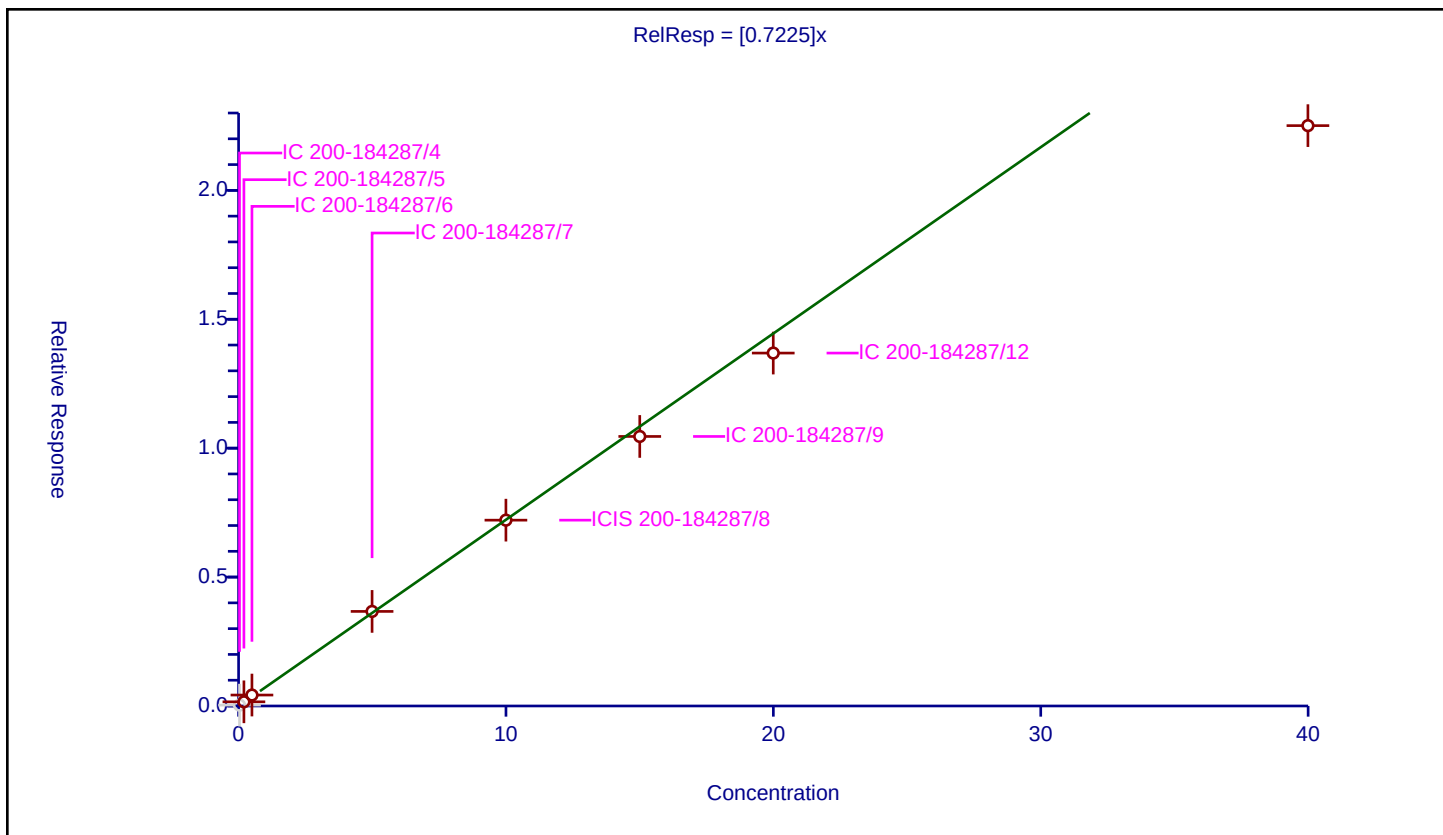
Curve Coefficients

Intercept: 0
 Slope: 0.7225

Error Coefficients

Standard Error: 2060000
 Relative Standard Error: 12.8
 Correlation Coefficient: 0.988
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.034024	10.0	1493369.0	0.969975	N
2	IC 200-184287/5	0.20044	0.162325	10.0	1494779.0	0.809845	Y
3	IC 200-184287/6	0.500453	0.424129	10.0	1541160.0	0.84749	Y
4	IC 200-184287/7	4.992563	3.66778	10.0	1552356.0	0.734649	Y
5	ICIS 200-184287/8	9.99806	7.208003	10.0	1606191.0	0.72094	Y
6	IC 200-184287/9	15.003557	10.454959	10.0	1667009.0	0.696832	Y
7	IC 200-184287/12	19.99612	13.68849	10.0	1707726.0	0.684557	Y
8	IC 200-184287/13	39.99224	22.510571	10.0	1730367.0	0.562873	Y



Calibration

/ o-Xylene

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

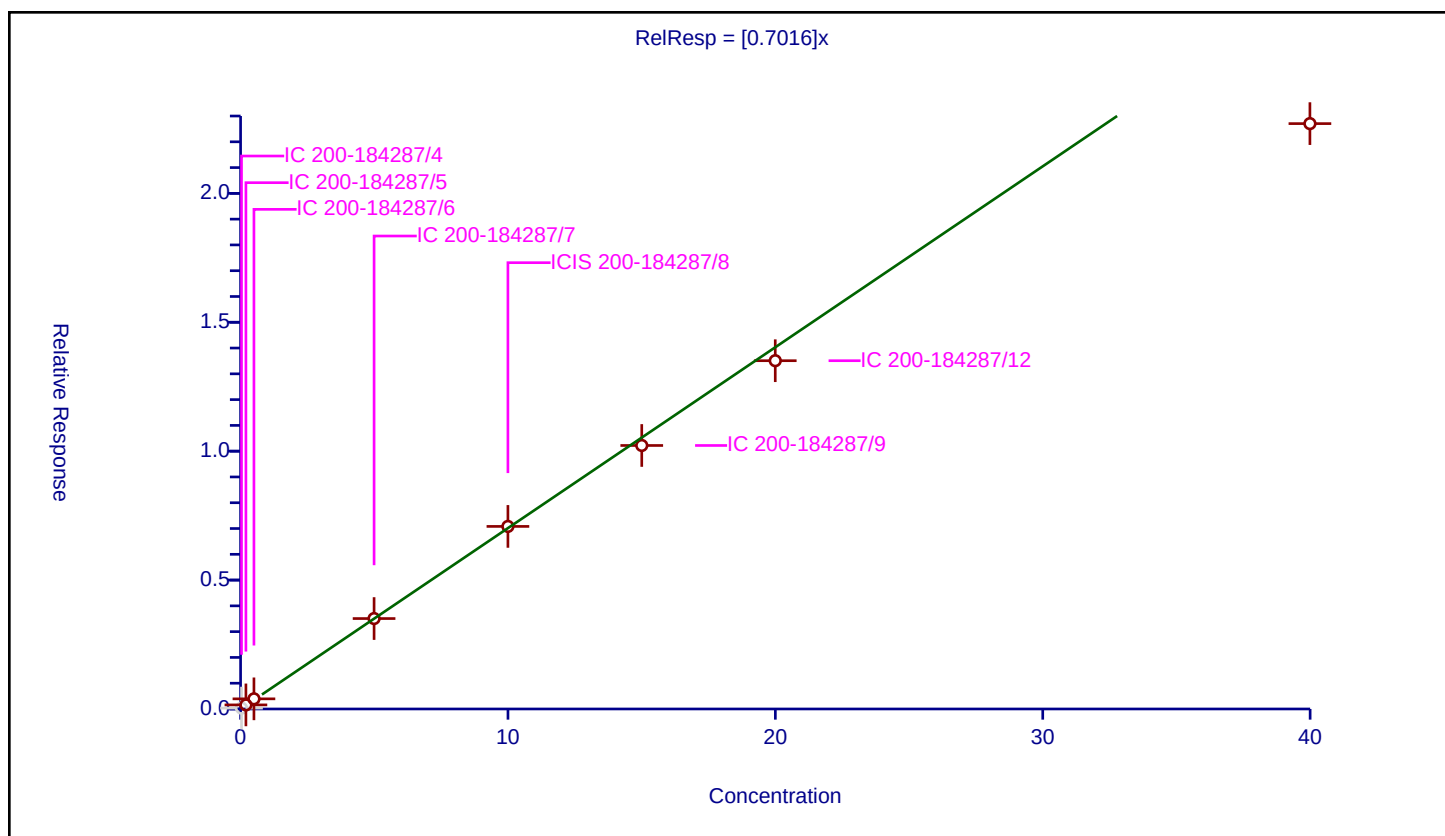
Curve Coefficients

Intercept: 0
Slope: 0.7016

Error Coefficients

Standard Error: 2050000
Relative Standard Error: 10.7
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.034258	10.0	1493369.0	0.976656	N
2	IC 200-184287/5	0.20044	0.158358	10.0	1494779.0	0.790052	Y
3	IC 200-184287/6	0.500453	0.393262	10.0	1541160.0	0.785813	Y
4	IC 200-184287/7	4.992563	3.507617	10.0	1552356.0	0.702568	Y
5	ICIS 200-184287/8	9.99806	7.081169	10.0	1606191.0	0.708254	Y
6	IC 200-184287/9	15.003557	10.220911	10.0	1667009.0	0.681233	Y
7	IC 200-184287/12	19.99612	13.509363	10.0	1707726.0	0.675599	Y
8	IC 200-184287/13	39.99224	22.704727	10.0	1730367.0	0.567728	Y



Calibration

/ Styrene

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

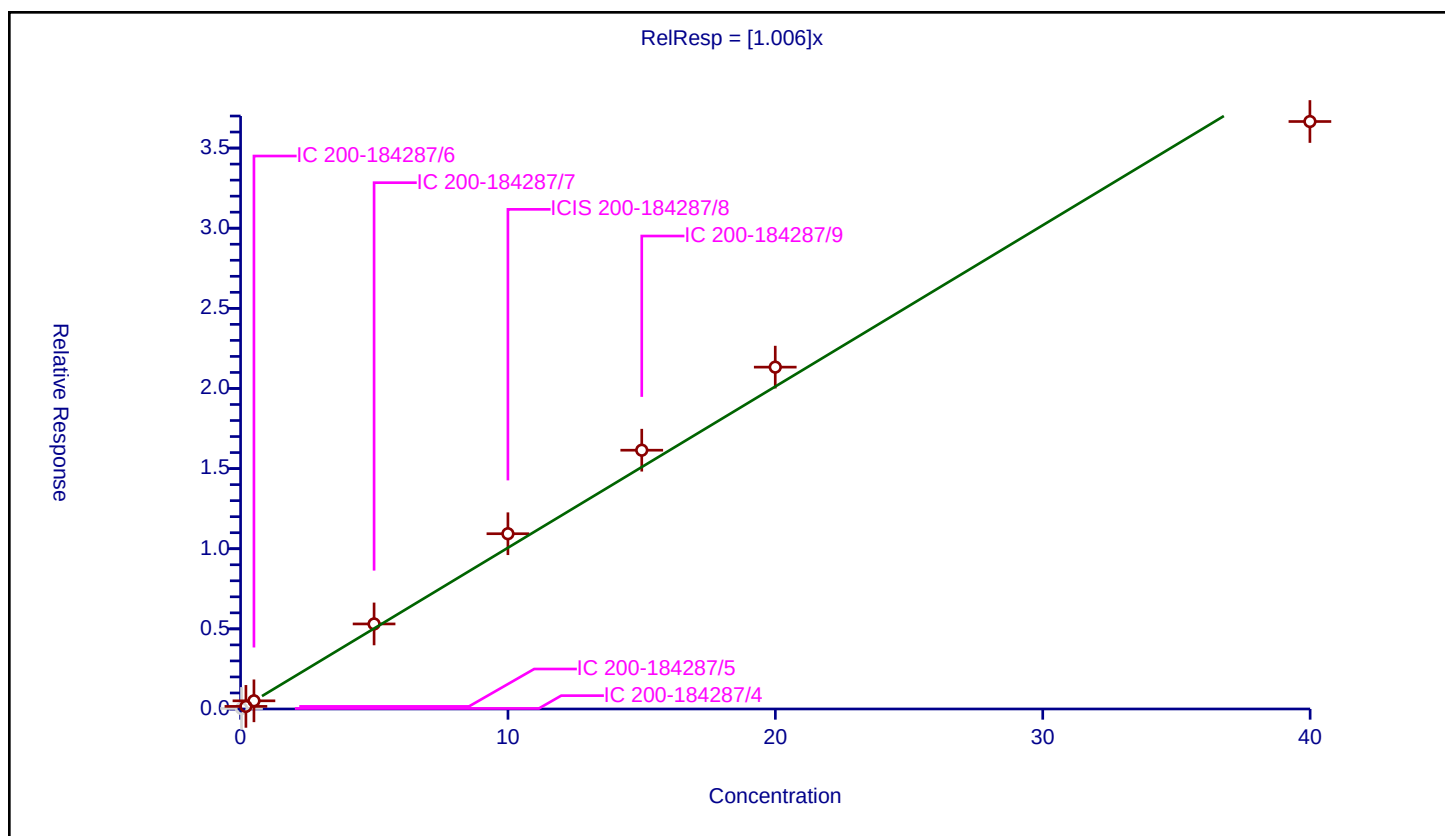
Curve Coefficients

Intercept: 0
Slope: 1.006

Error Coefficients

Standard Error: 3280000
Relative Standard Error: 10.5
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.034238	10.0	1493369.0	0.976083	N
2	IC 200-184287/5	0.20044	0.162051	10.0	1494779.0	0.808476	Y
3	IC 200-184287/6	0.500453	0.509467	10.0	1541160.0	1.018012	Y
4	IC 200-184287/7	4.992563	5.307268	10.0	1552356.0	1.063035	Y
5	ICIS 200-184287/8	9.99806	10.935953	10.0	1606191.0	1.093808	Y
6	IC 200-184287/9	15.003557	16.148125	10.0	1667009.0	1.076286	Y
7	IC 200-184287/12	19.99612	21.330131	10.0	1707726.0	1.066714	Y
8	IC 200-184287/13	39.99224	36.656738	10.0	1730367.0	0.916596	Y



Calibration

/ Bromoform

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

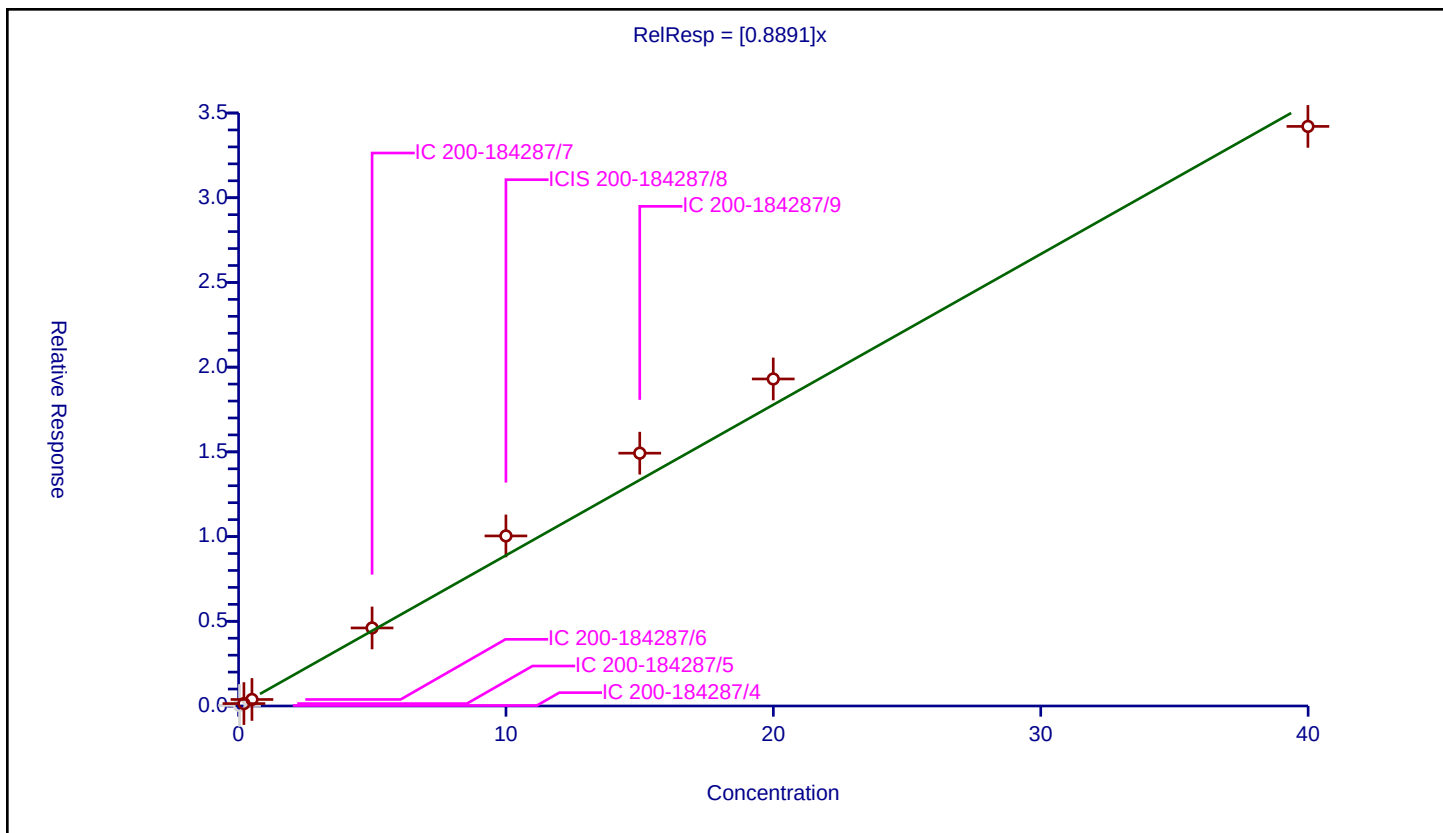
Curve Coefficients

Intercept: 0
 Slope: 0.8891

Error Coefficients

Standard Error: 3030000
 Relative Standard Error: 12.8
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.029122	10.0	1493369.0	0.830234	N
2	IC 200-184287/5	0.20044	0.14283	10.0	1494779.0	0.712586	Y
3	IC 200-184287/6	0.500453	0.384937	10.0	1541160.0	0.769178	Y
4	IC 200-184287/7	4.992563	4.606128	10.0	1552356.0	0.922598	Y
5	ICIS 200-184287/8	9.99806	10.037573	10.0	1606191.0	1.003952	Y
6	IC 200-184287/9	15.003557	14.922571	10.0	1667009.0	0.994602	Y
7	IC 200-184287/12	19.99612	19.302201	10.0	1707726.0	0.965297	Y
8	IC 200-184287/13	39.99224	34.210627	10.0	1730367.0	0.855432	Y



Calibration

/ Isopropylbenzene

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

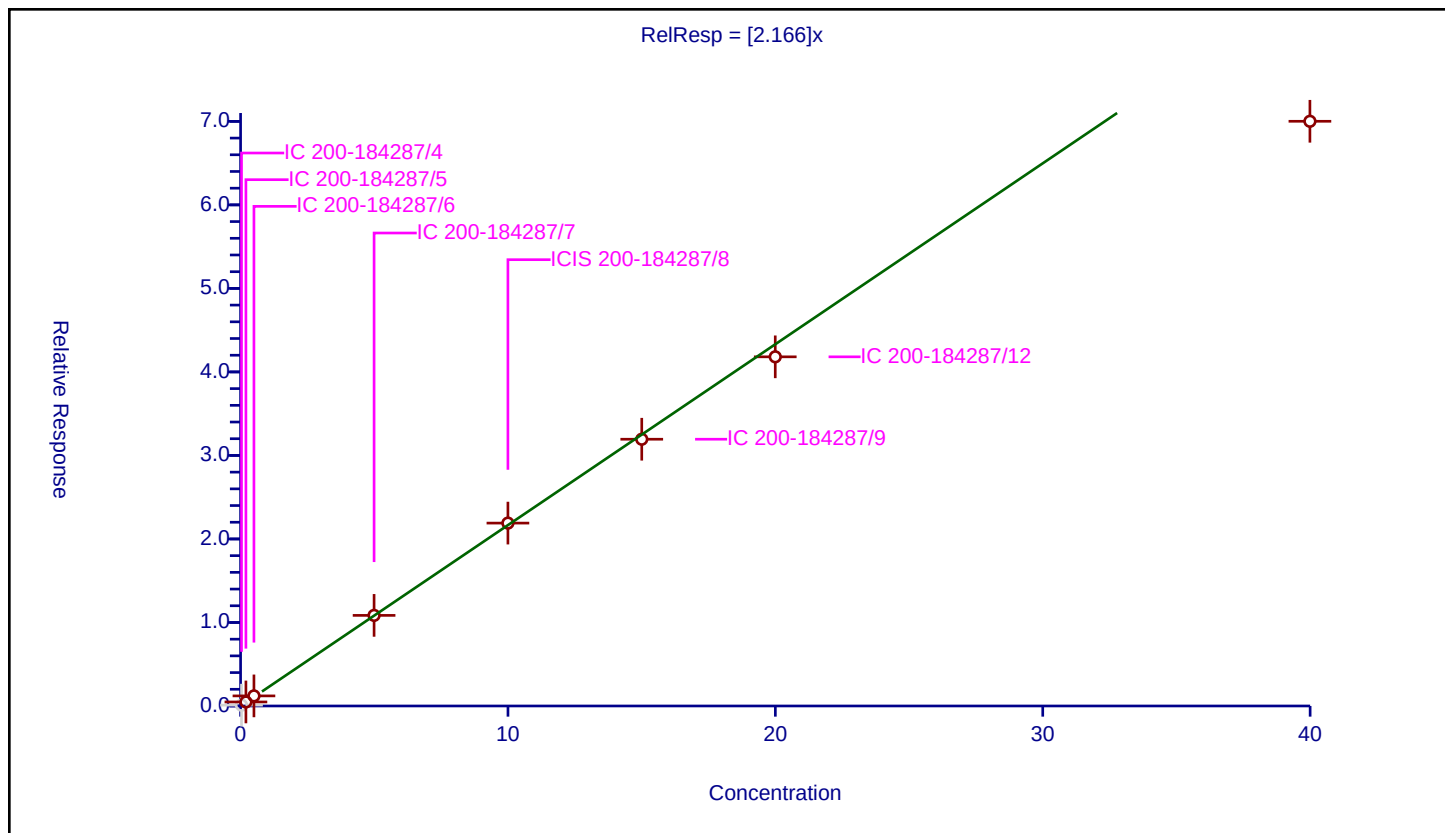
Curve Coefficients

Intercept: 0
 Slope: 2.166

Error Coefficients

Standard Error: 6340000
 Relative Standard Error: 10.4
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.101998	10.0	1493369.0	2.907824	N
2	IC 200-184287/5	0.20044	0.483556	10.0	1494779.0	2.412479	Y
3	IC 200-184287/6	0.500453	1.208551	10.0	1541160.0	2.414915	Y
4	IC 200-184287/7	4.992563	10.84822	10.0	1552356.0	2.172876	Y
5	ICIS 200-184287/8	9.99806	21.898193	10.0	1606191.0	2.190244	Y
6	IC 200-184287/9	15.003557	31.939318	10.0	1667009.0	2.128783	Y
7	IC 200-184287/12	19.99612	41.806291	10.0	1707726.0	2.09072	Y
8	IC 200-184287/13	39.99224	70.010304	10.0	1730367.0	1.750597	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

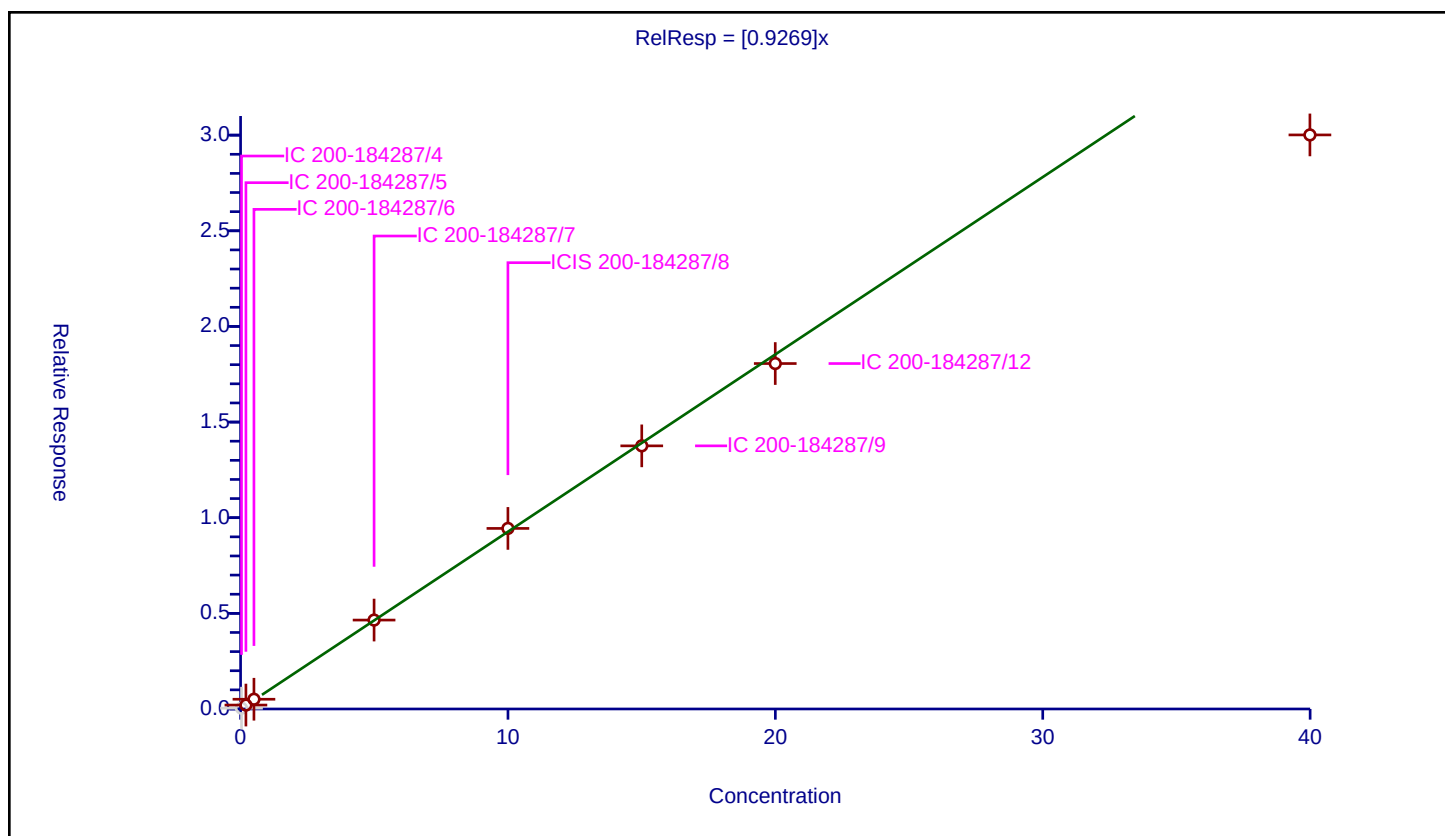
Curve Coefficients

Intercept: 0
 Slope: 0.9269

Error Coefficients

Standard Error: 2730000
 Relative Standard Error: 9.8
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.041919	10.0	1493369.0	1.195048	N
2	IC 200-184287/5	0.20044	0.205214	10.0	1494779.0	1.023821	Y
3	IC 200-184287/6	0.500453	0.509765	10.0	1541160.0	1.018609	Y
4	IC 200-184287/7	4.992563	4.648657	10.0	1552356.0	0.931116	Y
5	ICIS 200-184287/8	9.99806	9.439979	10.0	1606191.0	0.944181	Y
6	IC 200-184287/9	15.003557	13.75644	10.0	1667009.0	0.916879	Y
7	IC 200-184287/12	19.99612	18.059747	10.0	1707726.0	0.903163	Y
8	IC 200-184287/13	39.99224	30.011402	10.0	1730367.0	0.750431	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

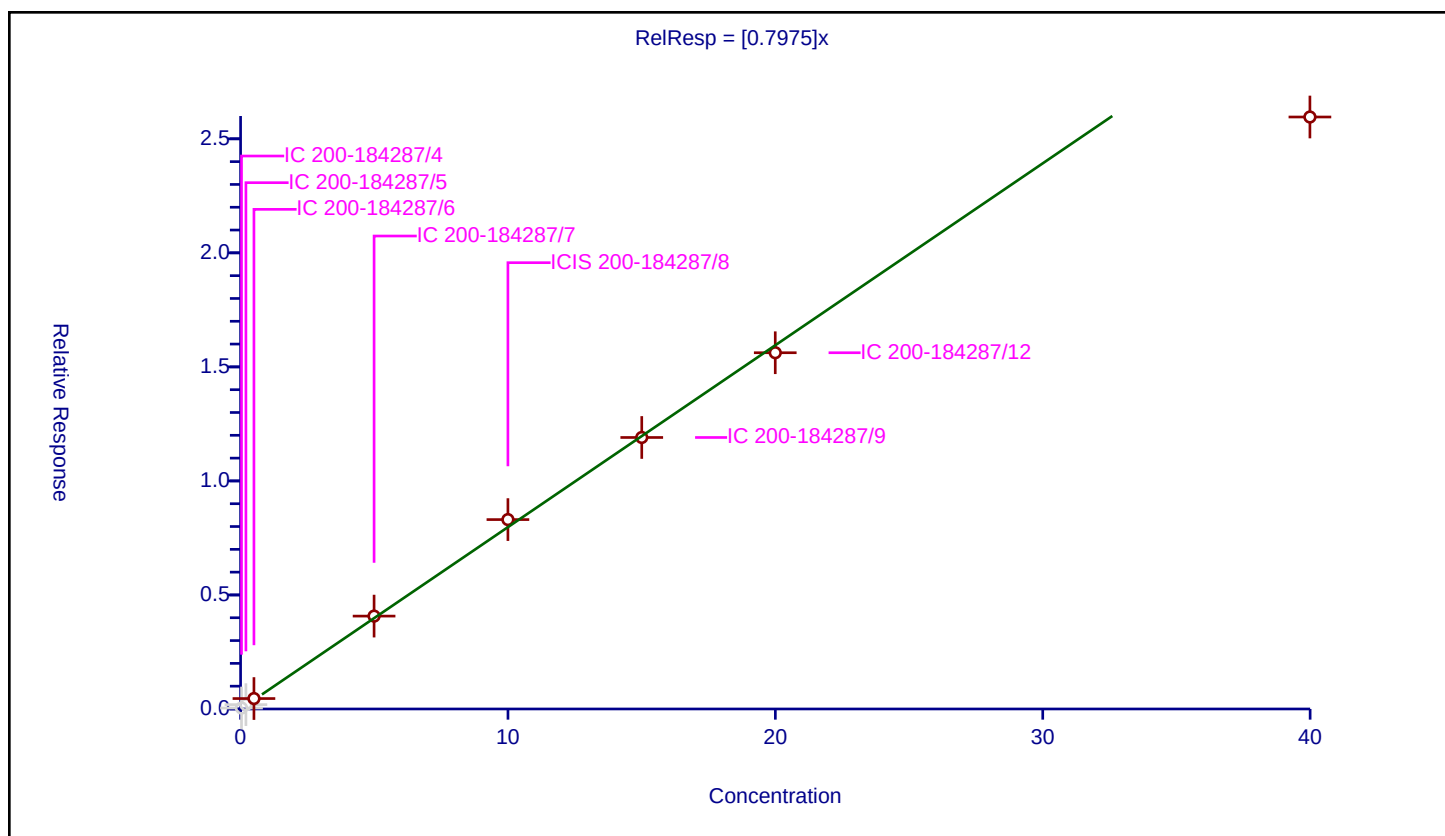
Curve Coefficients

Intercept: 0
 Slope: 0.7975

Error Coefficients

Standard Error: 2590000
 Relative Standard Error: 10.9
 Correlation Coefficient: 0.988
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.043171	10.0	1493369.0	1.230747	N
2	IC 200-184287/5	0.20044	0.191721	10.0	1494779.0	0.956501	N
3	IC 200-184287/6	0.500453	0.457856	10.0	1541160.0	0.914885	Y
4	IC 200-184287/7	4.992563	4.07261	10.0	1552356.0	0.815735	Y
5	ICIS 200-184287/8	9.99806	8.304797	10.0	1606191.0	0.830641	Y
6	IC 200-184287/9	15.003557	11.904711	10.0	1667009.0	0.793459	Y
7	IC 200-184287/12	19.99612	15.620697	10.0	1707726.0	0.781186	Y
8	IC 200-184287/13	39.99224	25.956927	10.0	1730367.0	0.649049	Y



Calibration

/ N-Propylbenzene

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

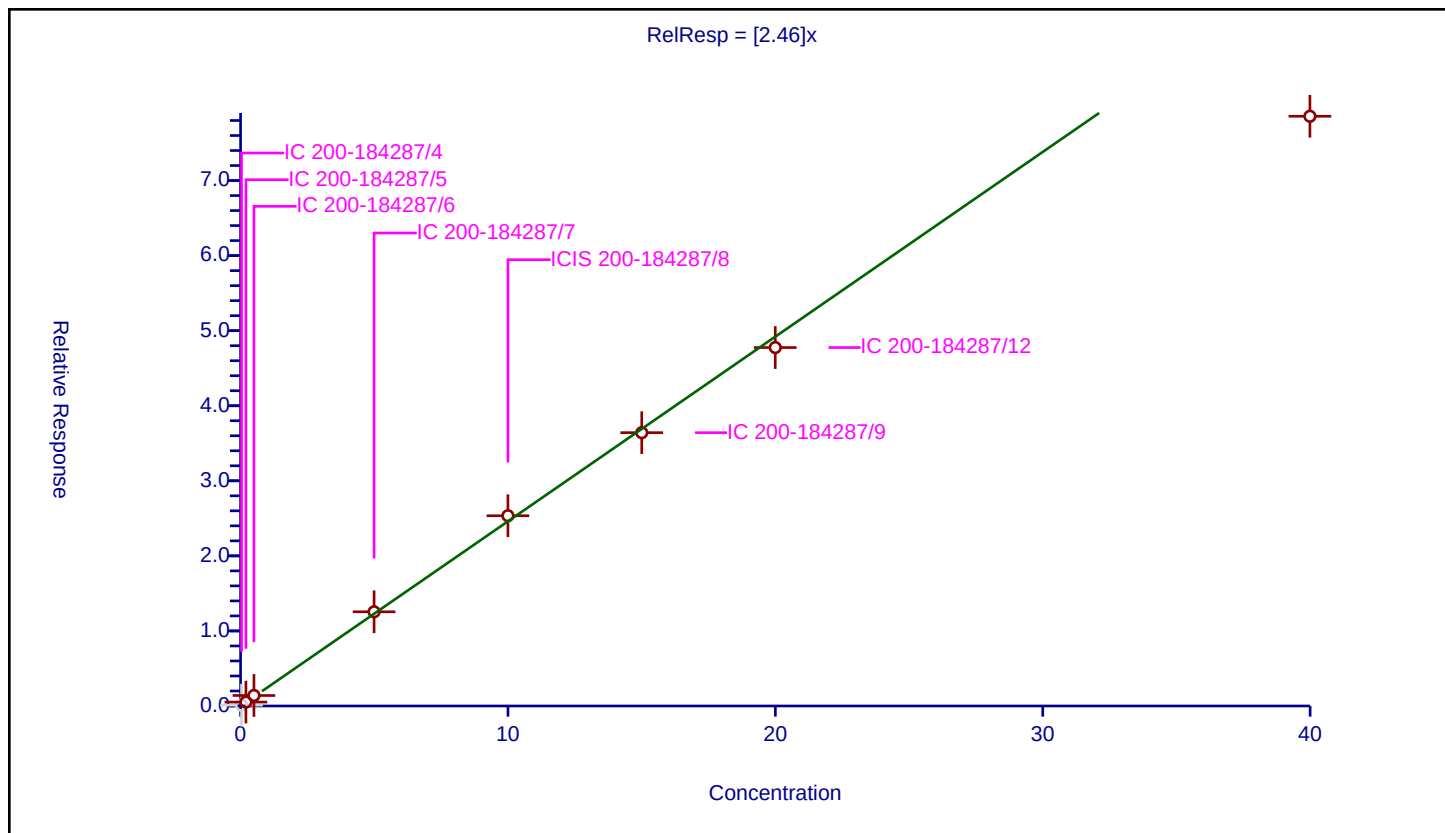
Curve Coefficients

Intercept: 0
Slope: 2.46

Error Coefficients

Standard Error: 7170000
Relative Standard Error: 10.4
Correlation Coefficient: 0.988
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.109042	10.0	1493369.0	3.108653	N
2	IC 200-184287/5	0.20044	0.521361	10.0	1494779.0	2.601089	Y
3	IC 200-184287/6	0.500453	1.397934	10.0	1541160.0	2.79334	Y
4	IC 200-184287/7	4.992563	12.54861	10.0	1552356.0	2.513461	Y
5	ICIS 200-184287/8	9.99806	25.347384	10.0	1606191.0	2.53523	Y
6	IC 200-184287/9	15.003557	36.411801	10.0	1667009.0	2.426878	Y
7	IC 200-184287/12	19.99612	47.753767	10.0	1707726.0	2.388152	Y
8	IC 200-184287/13	39.99224	78.566368	10.0	1730367.0	1.96454	Y



Calibration

/ 2-Chlorotoluene

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

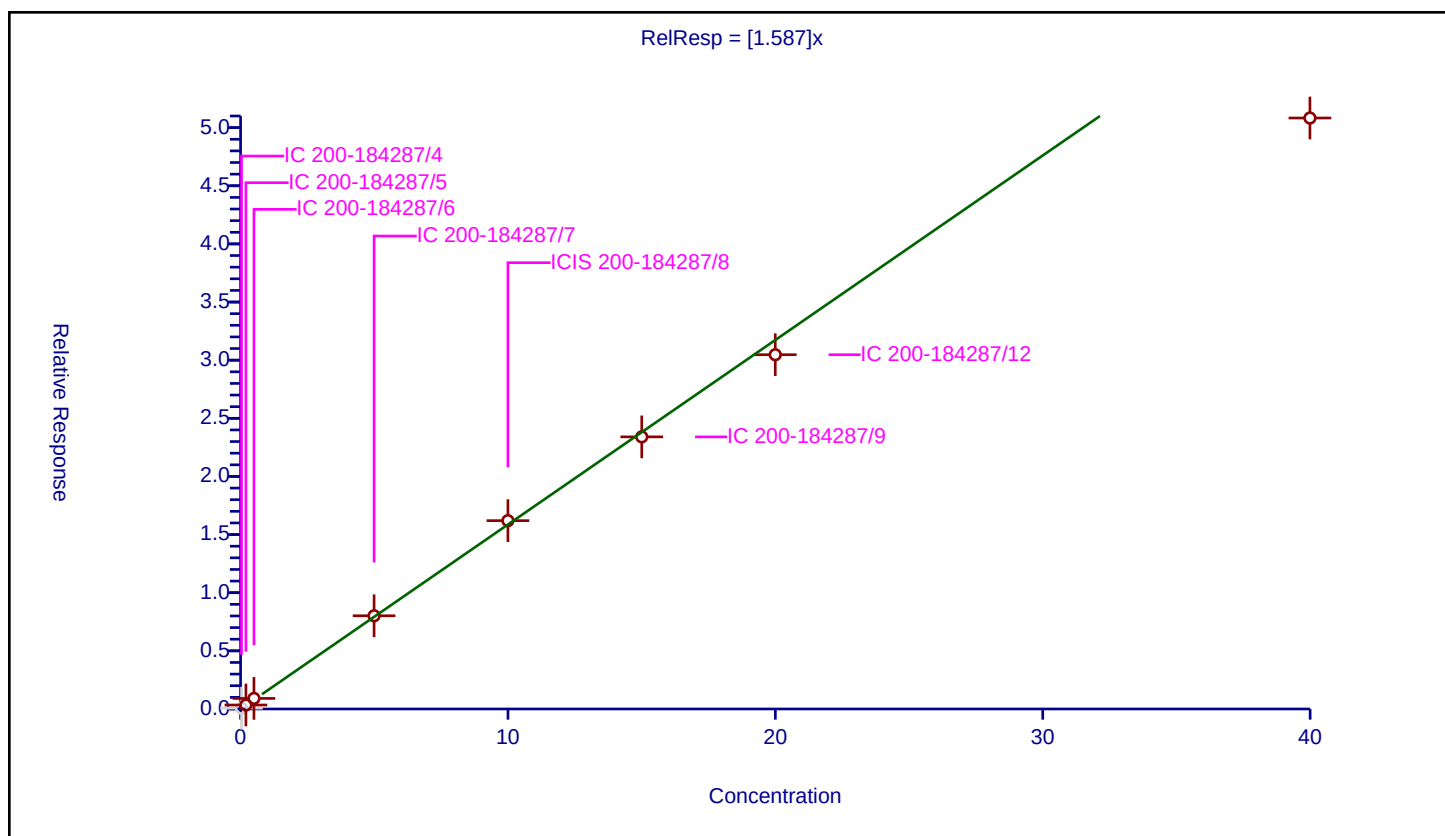
Curve Coefficients

Intercept: 0
Slope: 1.587

Error Coefficients

Standard Error: 4620000
Relative Standard Error: 10.7
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.071751	10.0	1493369.0	2.045518	N
2	IC 200-184287/5	0.20044	0.342766	10.0	1494779.0	1.710073	Y
3	IC 200-184287/6	0.500453	0.909328	10.0	1541160.0	1.817011	Y
4	IC 200-184287/7	4.992563	8.017613	10.0	1552356.0	1.605911	Y
5	ICIS 200-184287/8	9.99806	16.197246	10.0	1606191.0	1.620039	Y
6	IC 200-184287/9	15.003557	23.403419	10.0	1667009.0	1.559858	Y
7	IC 200-184287/12	19.99612	30.469566	10.0	1707726.0	1.523774	Y
8	IC 200-184287/13	39.99224	50.827813	10.0	1730367.0	1.270942	Y



Calibration

/ 4-Ethyltoluene

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

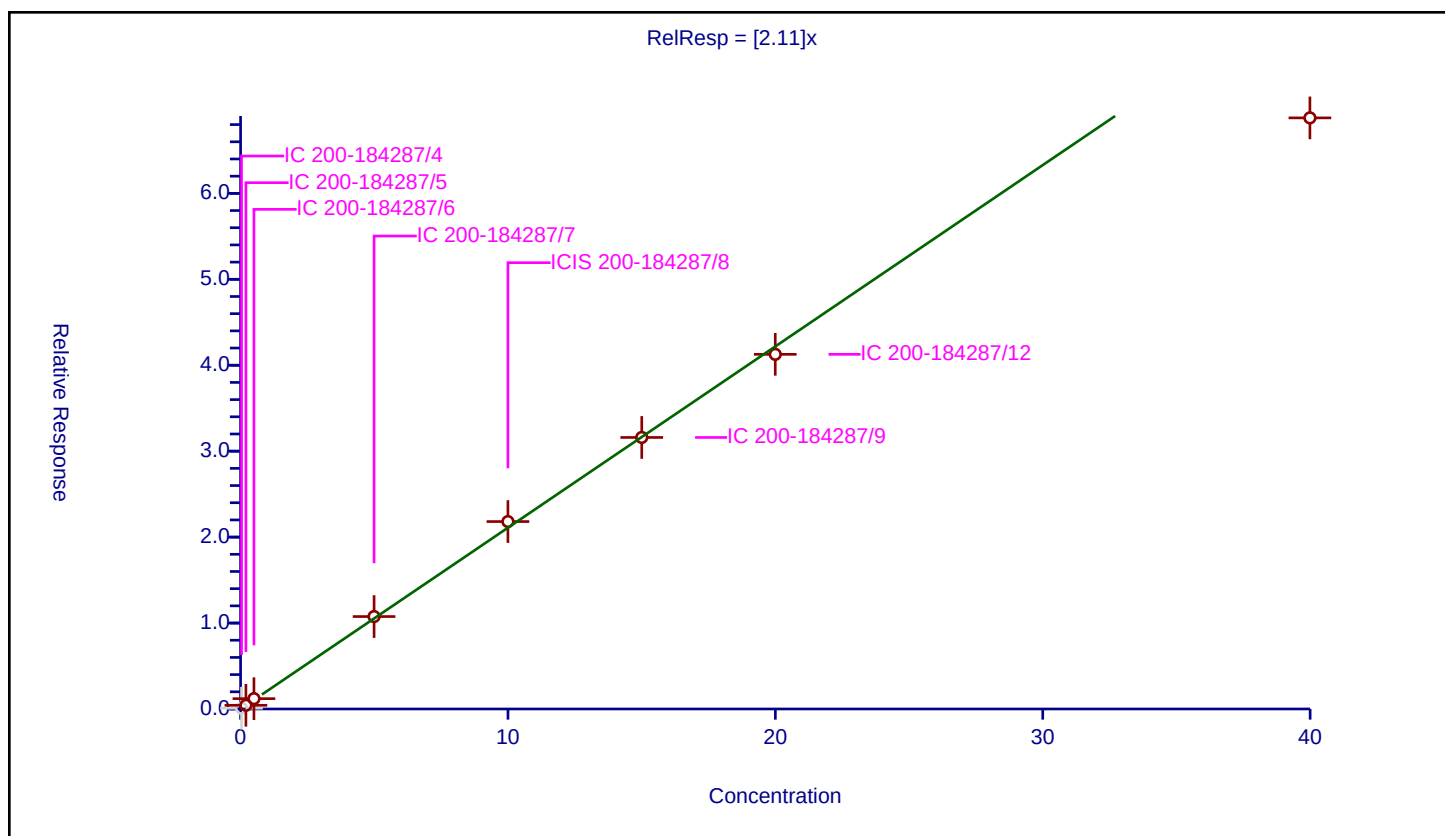
Curve Coefficients

Intercept: 0
Slope: 2.11

Error Coefficients

Standard Error: 6250000
Relative Standard Error: 9.6
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.091705	10.0	1493369.0	2.614407	N
2	IC 200-184287/5	0.20044	0.428946	10.0	1494779.0	2.140027	Y
3	IC 200-184287/6	0.500453	1.201686	10.0	1541160.0	2.401198	Y
4	IC 200-184287/7	4.992563	10.757346	10.0	1552356.0	2.154674	Y
5	ICIS 200-184287/8	9.99806	21.810034	10.0	1606191.0	2.181427	Y
6	IC 200-184287/9	15.003557	31.595156	10.0	1667009.0	2.105844	Y
7	IC 200-184287/12	19.99612	41.268148	10.0	1707726.0	2.063808	Y
8	IC 200-184287/13	39.99224	68.783229	10.0	1730367.0	1.719914	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

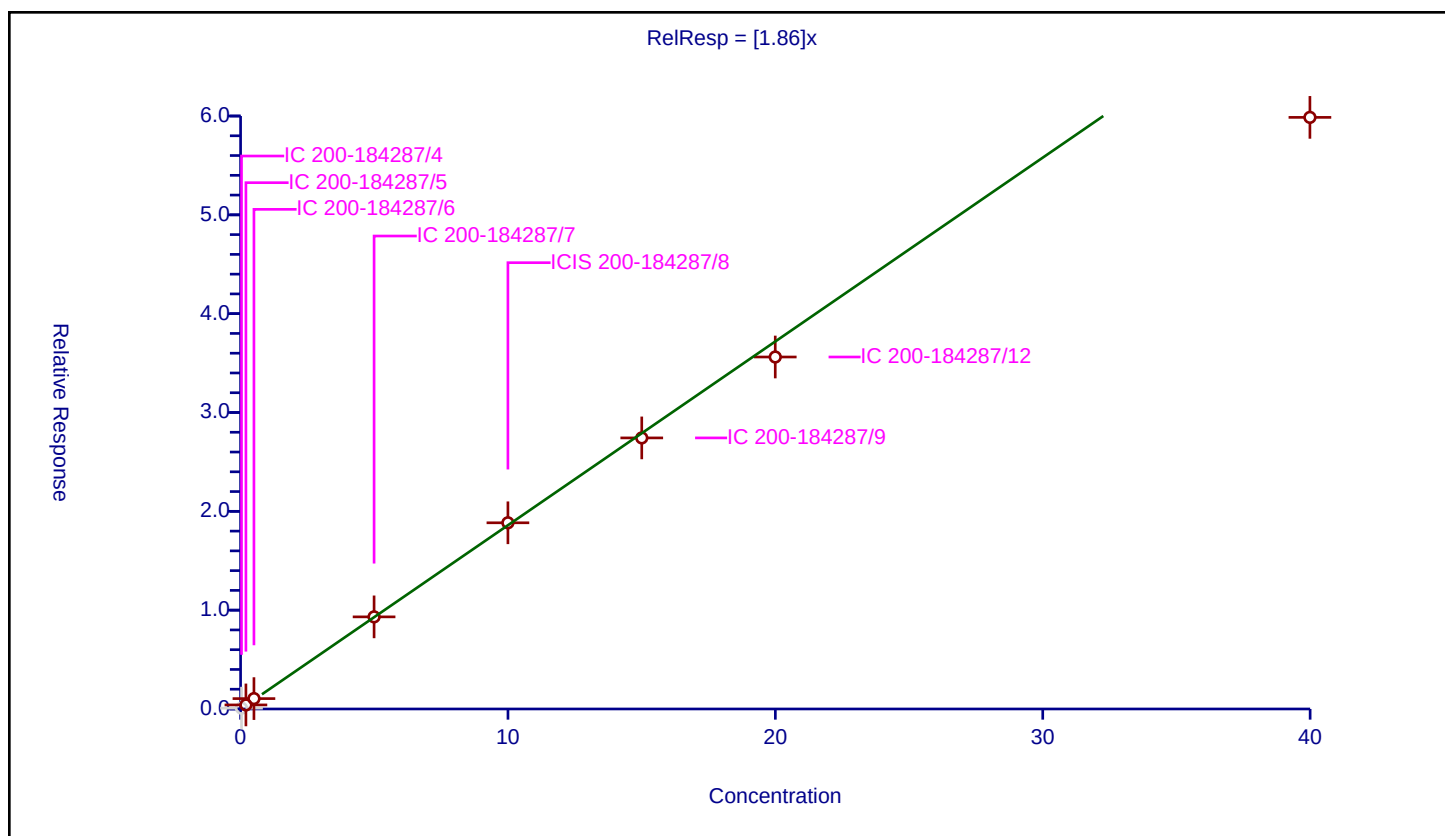
Curve Coefficients

Intercept: 0
Slope: 1.86

Error Coefficients

Standard Error: 5420000
Relative Standard Error: 10.7
Correlation Coefficient: 0.991
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.085485	10.0	1493369.0	2.437059	N
2	IC 200-184287/5	0.20044	0.412596	10.0	1494779.0	2.058455	Y
3	IC 200-184287/6	0.500453	1.051306	10.0	1541160.0	2.10071	Y
4	IC 200-184287/7	4.992563	9.322288	10.0	1552356.0	1.867235	Y
5	ICIS 200-184287/8	9.99806	18.840879	10.0	1606191.0	1.884453	Y
6	IC 200-184287/9	15.003557	27.428844	10.0	1667009.0	1.828156	Y
7	IC 200-184287/12	19.99612	35.614818	10.0	1707726.0	1.781086	Y
8	IC 200-184287/13	39.99224	59.862214	10.0	1730367.0	1.496846	Y



Calibration

/ n-Decane

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

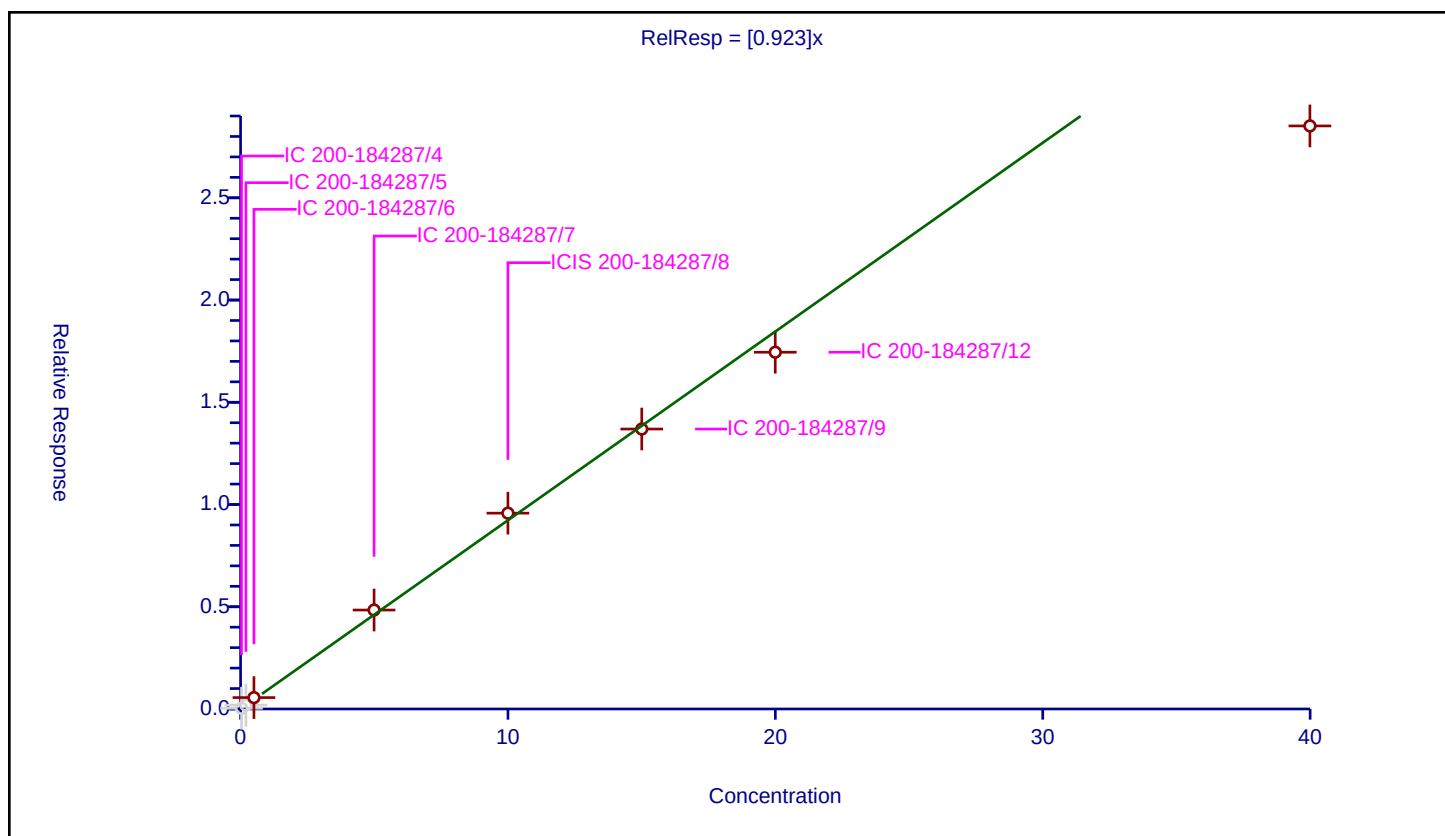
Curve Coefficients

Intercept: 0
Slope: 0.923

Error Coefficients

Standard Error: 2880000
Relative Standard Error: 14.2
Correlation Coefficient: 0.985
Coefficient of Determination (Adjusted): 0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.037318	10.0	1493369.0	1.063898	N
2	IC 200-184287/5	0.20044	0.190135	10.0	1494779.0	0.94859	N
3	IC 200-184287/6	0.500453	0.556873	10.0	1541160.0	1.112738	Y
4	IC 200-184287/7	4.992563	4.839257	10.0	1552356.0	0.969293	Y
5	ICIS 200-184287/8	9.99806	9.577323	10.0	1606191.0	0.957918	Y
6	IC 200-184287/9	15.003557	13.691384	10.0	1667009.0	0.912543	Y
7	IC 200-184287/12	19.99612	17.44774	10.0	1707726.0	0.872556	Y
8	IC 200-184287/13	39.99224	28.515442	10.0	1730367.0	0.713024	Y



Calibration

/ Alpha Methyl Styrene

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

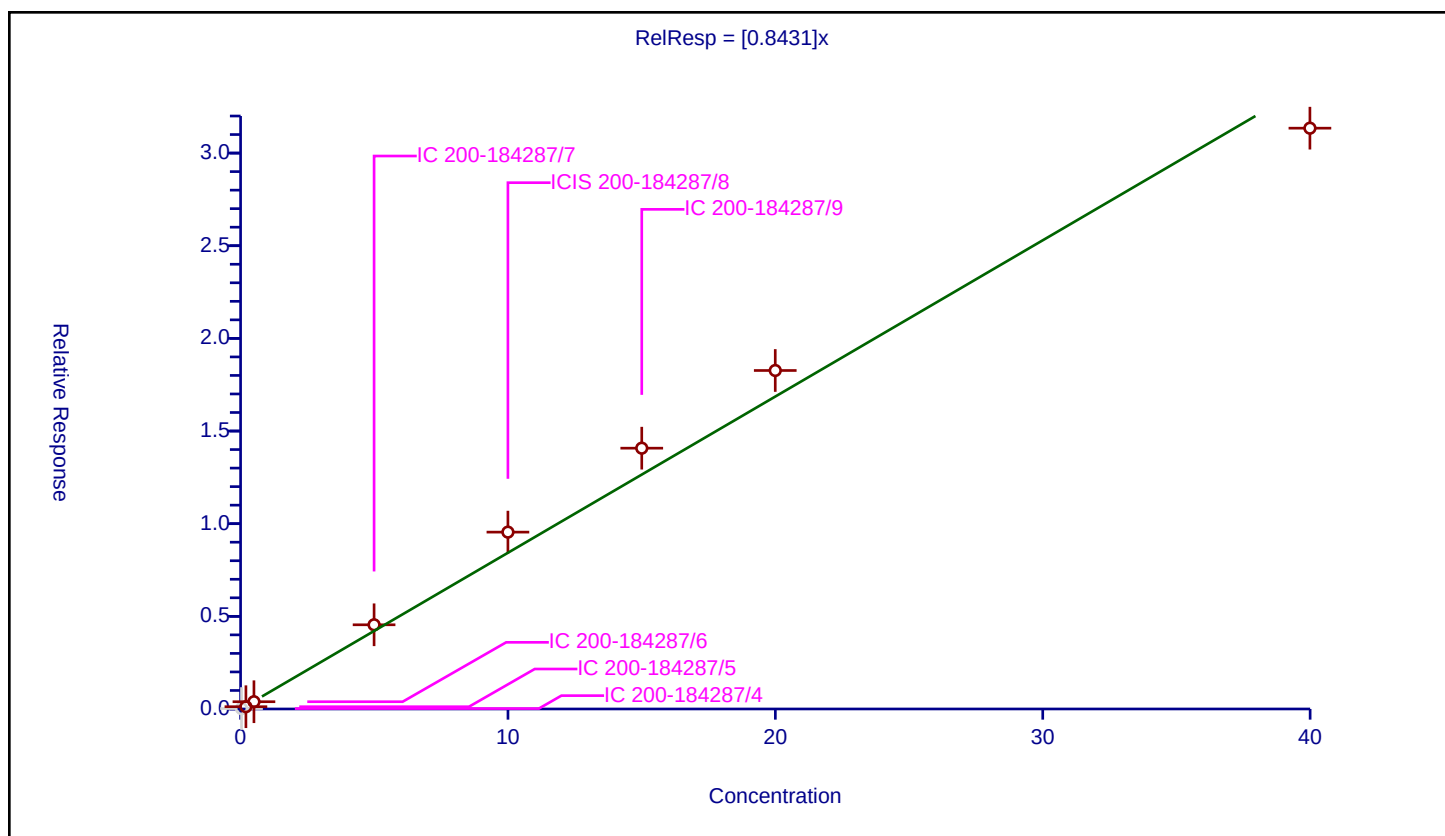
Curve Coefficients

Intercept: 0
 Slope: 0.8431

Error Coefficients

Standard Error: 2810000
 Relative Standard Error: 14.5
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.02404	10.0	1493369.0	0.685339	N
2	IC 200-184287/5	0.20044	0.123617	10.0	1494779.0	0.616729	Y
3	IC 200-184287/6	0.500453	0.392802	10.0	1541160.0	0.784893	Y
4	IC 200-184287/7	4.992563	4.543655	10.0	1552356.0	0.910085	Y
5	ICIS 200-184287/8	9.99806	9.544369	10.0	1606191.0	0.954622	Y
6	IC 200-184287/9	15.003557	14.075299	10.0	1667009.0	0.938131	Y
7	IC 200-184287/12	19.99612	18.266543	10.0	1707726.0	0.913504	Y
8	IC 200-184287/13	39.99224	31.344229	10.0	1730367.0	0.783758	Y



Calibration

/ tert-Butylbenzene

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

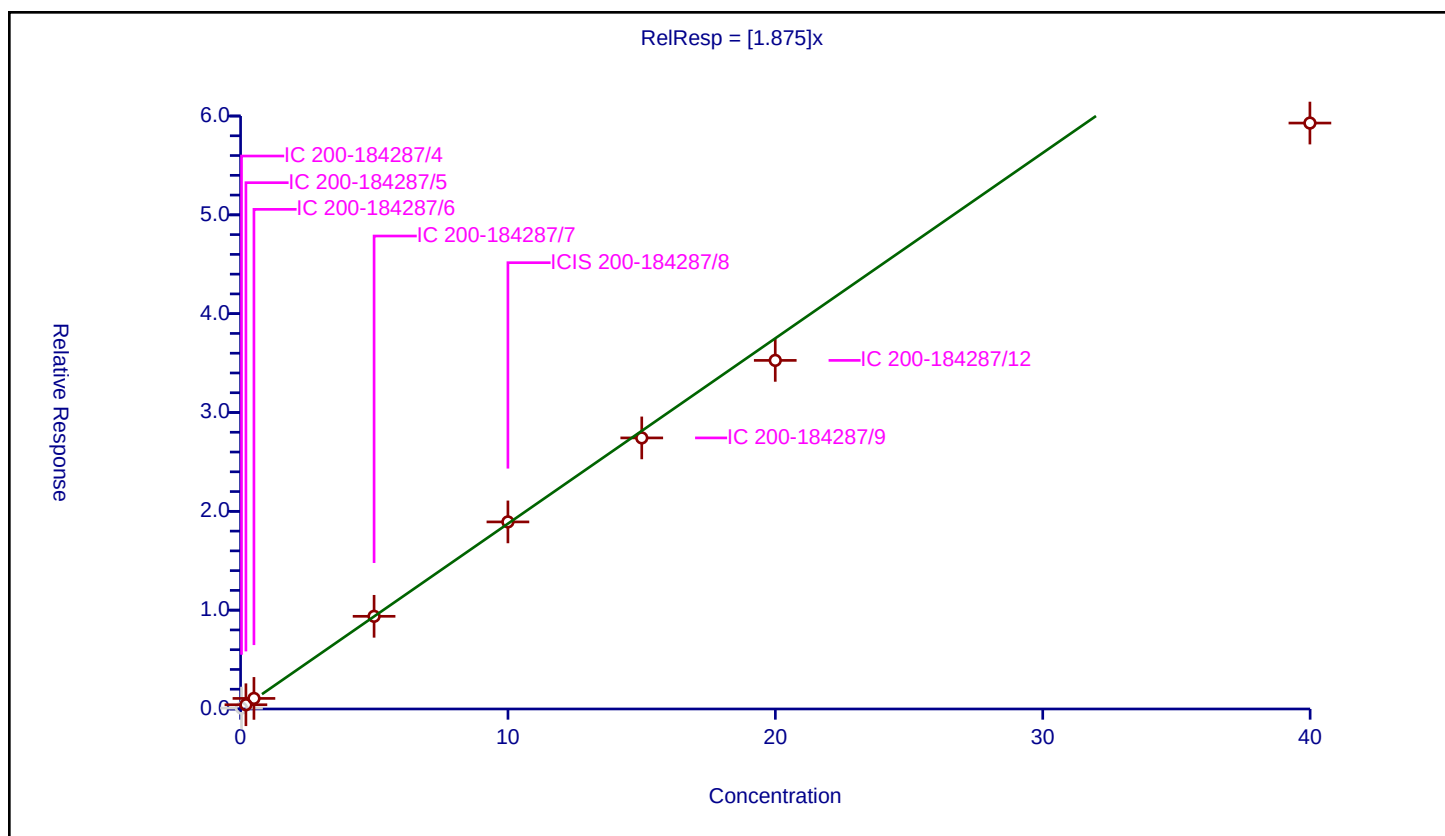
Curve Coefficients

Intercept: 0
Slope: 1.875

Error Coefficients

Standard Error: 5380000
Relative Standard Error: 12.1
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.091156	10.0	1493369.0	2.598753	N
2	IC 200-184287/5	0.20044	0.429435	10.0	1494779.0	2.142464	Y
3	IC 200-184287/6	0.500453	1.070953	10.0	1541160.0	2.139969	Y
4	IC 200-184287/7	4.992563	9.376722	10.0	1552356.0	1.878138	Y
5	ICIS 200-184287/8	9.99806	18.929044	10.0	1606191.0	1.893272	Y
6	IC 200-184287/9	15.003557	27.428574	10.0	1667009.0	1.828138	Y
7	IC 200-184287/12	19.99612	35.272204	10.0	1707726.0	1.763952	Y
8	IC 200-184287/13	39.99224	59.287099	10.0	1730367.0	1.482465	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

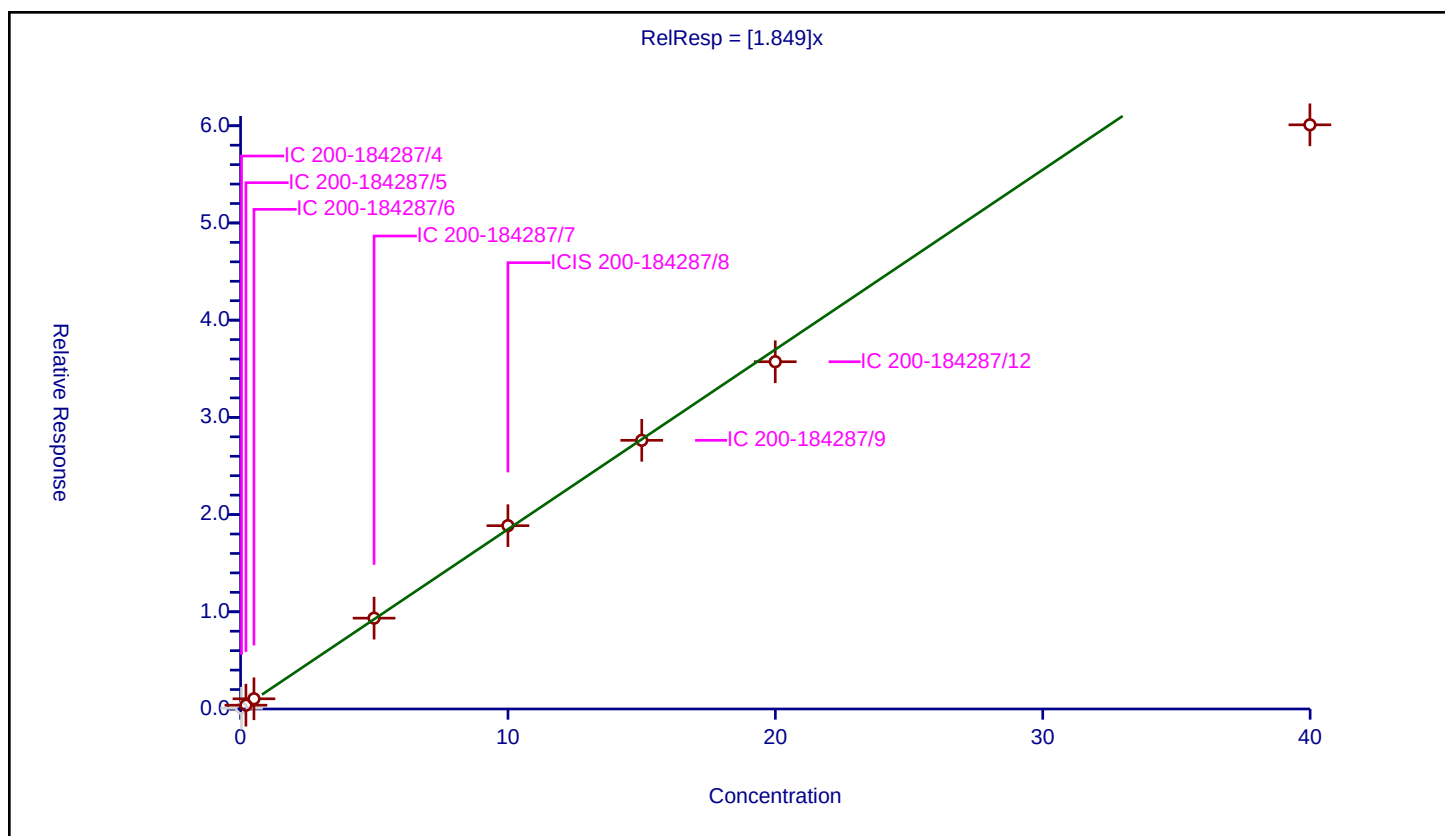
Curve Coefficients

Intercept: 0
 Slope: 1.849

Error Coefficients

Standard Error: 5450000
 Relative Standard Error: 9.9
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.08004	10.0	1493369.0	2.281855	N
2	IC 200-184287/5	0.20044	0.392004	10.0	1494779.0	1.955723	Y
3	IC 200-184287/6	0.500453	1.050287	10.0	1541160.0	2.098674	Y
4	IC 200-184287/7	4.992563	9.343546	10.0	1552356.0	1.871493	Y
5	ICIS 200-184287/8	9.99806	18.85899	10.0	1606191.0	1.886265	Y
6	IC 200-184287/9	15.003557	27.639515	10.0	1667009.0	1.842197	Y
7	IC 200-184287/12	19.99612	35.724121	10.0	1707726.0	1.786553	Y
8	IC 200-184287/13	39.99224	60.096009	10.0	1730367.0	1.502692	Y



Calibration

/ sec-Butylbenzene

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

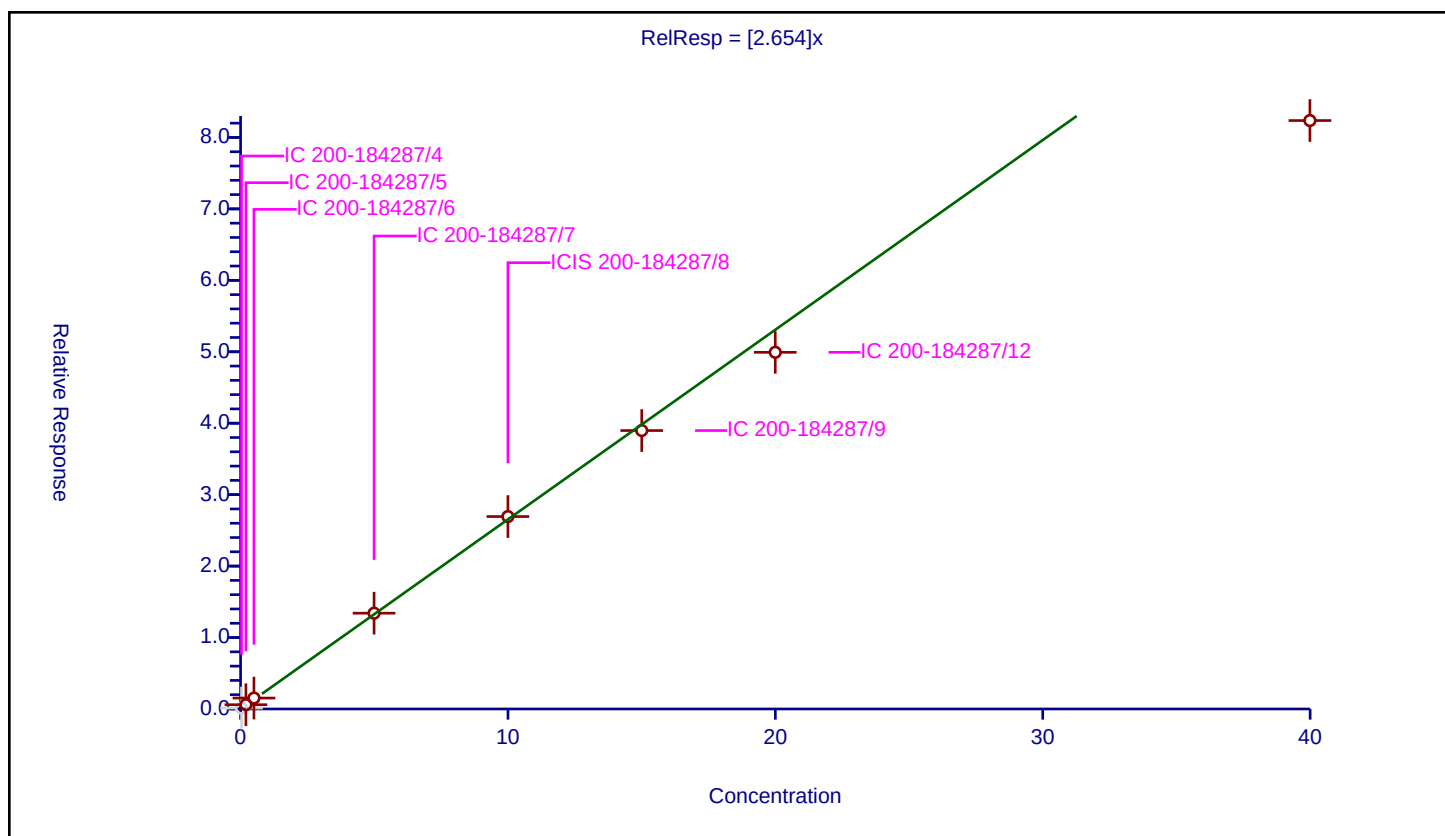
Curve Coefficients

Intercept: 0
 Slope: 2.654

Error Coefficients

Standard Error: 7540000
 Relative Standard Error: 12.5
 Correlation Coefficient: 0.987
 Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.128455	10.0	1493369.0	3.662079	N
2	IC 200-184287/5	0.20044	0.599507	10.0	1494779.0	2.990958	Y
3	IC 200-184287/6	0.500453	1.528498	10.0	1541160.0	3.054231	Y
4	IC 200-184287/7	4.992563	13.410551	10.0	1552356.0	2.686106	Y
5	ICIS 200-184287/8	9.99806	26.93811	10.0	1606191.0	2.694334	Y
6	IC 200-184287/9	15.003557	38.972603	10.0	1667009.0	2.597558	Y
7	IC 200-184287/12	19.99612	49.927014	10.0	1707726.0	2.496835	Y
8	IC 200-184287/13	39.99224	82.366914	10.0	1730367.0	2.059572	Y



Calibration

/ 1,3-Dichlorobenzene

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

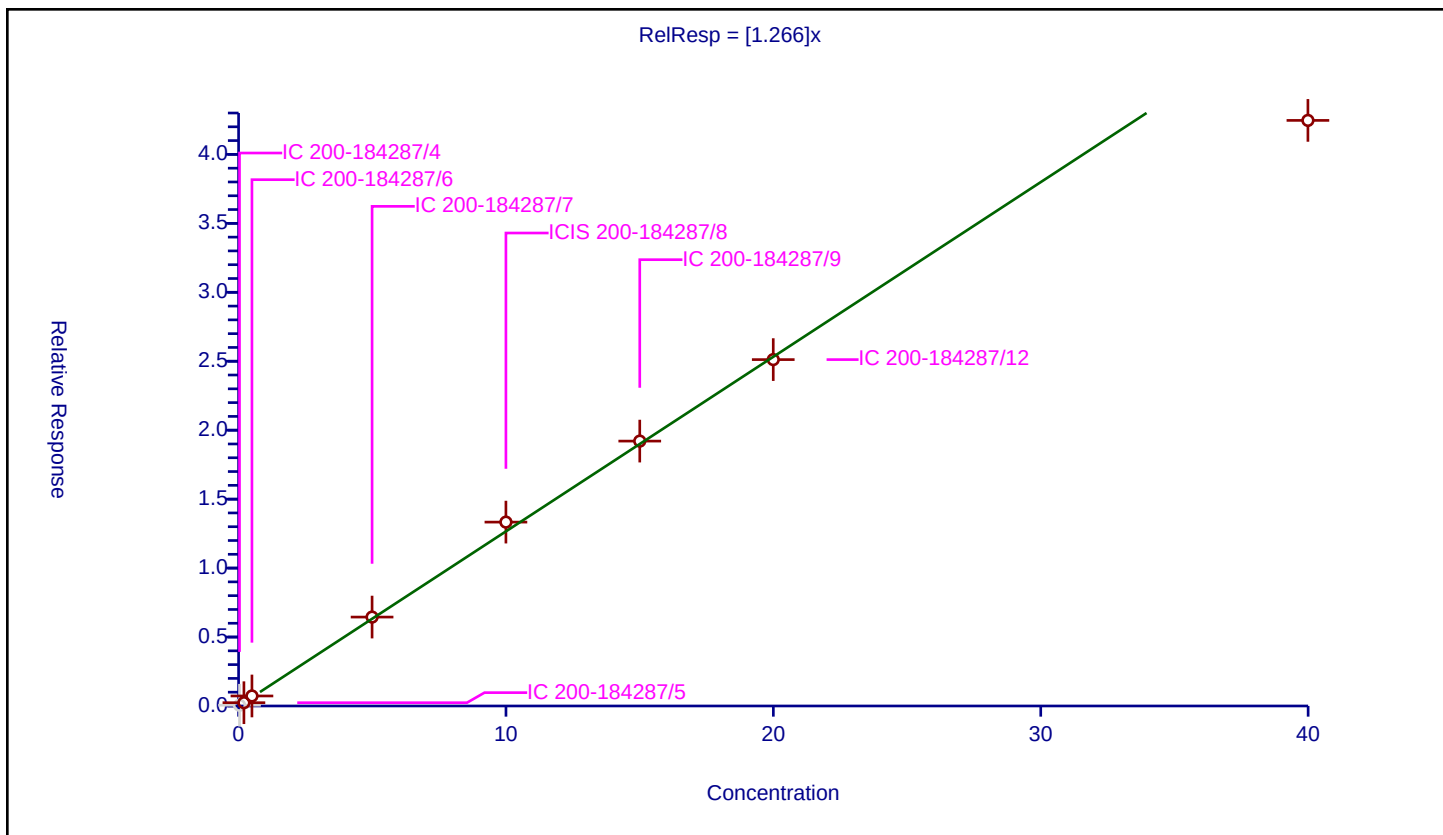
Curve Coefficients

Intercept: 0
 Slope: 1.266

Error Coefficients

Standard Error: 3840000
 Relative Standard Error: 9.6
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.054655	10.0	1493369.0	1.558145	N
2	IC 200-184287/5	0.20044	0.238269	10.0	1494779.0	1.188733	Y
3	IC 200-184287/6	0.500453	0.726641	10.0	1541160.0	1.451968	Y
4	IC 200-184287/7	4.992563	6.44731	10.0	1552356.0	1.291383	Y
5	ICIS 200-184287/8	9.99806	13.333371	10.0	1606191.0	1.333596	Y
6	IC 200-184287/9	15.003557	19.208589	10.0	1667009.0	1.280269	Y
7	IC 200-184287/12	19.99612	25.117911	10.0	1707726.0	1.256139	Y
8	IC 200-184287/13	39.99224	42.464373	10.0	1730367.0	1.061815	Y



Calibration

/ 4-Isopropyltoluene

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

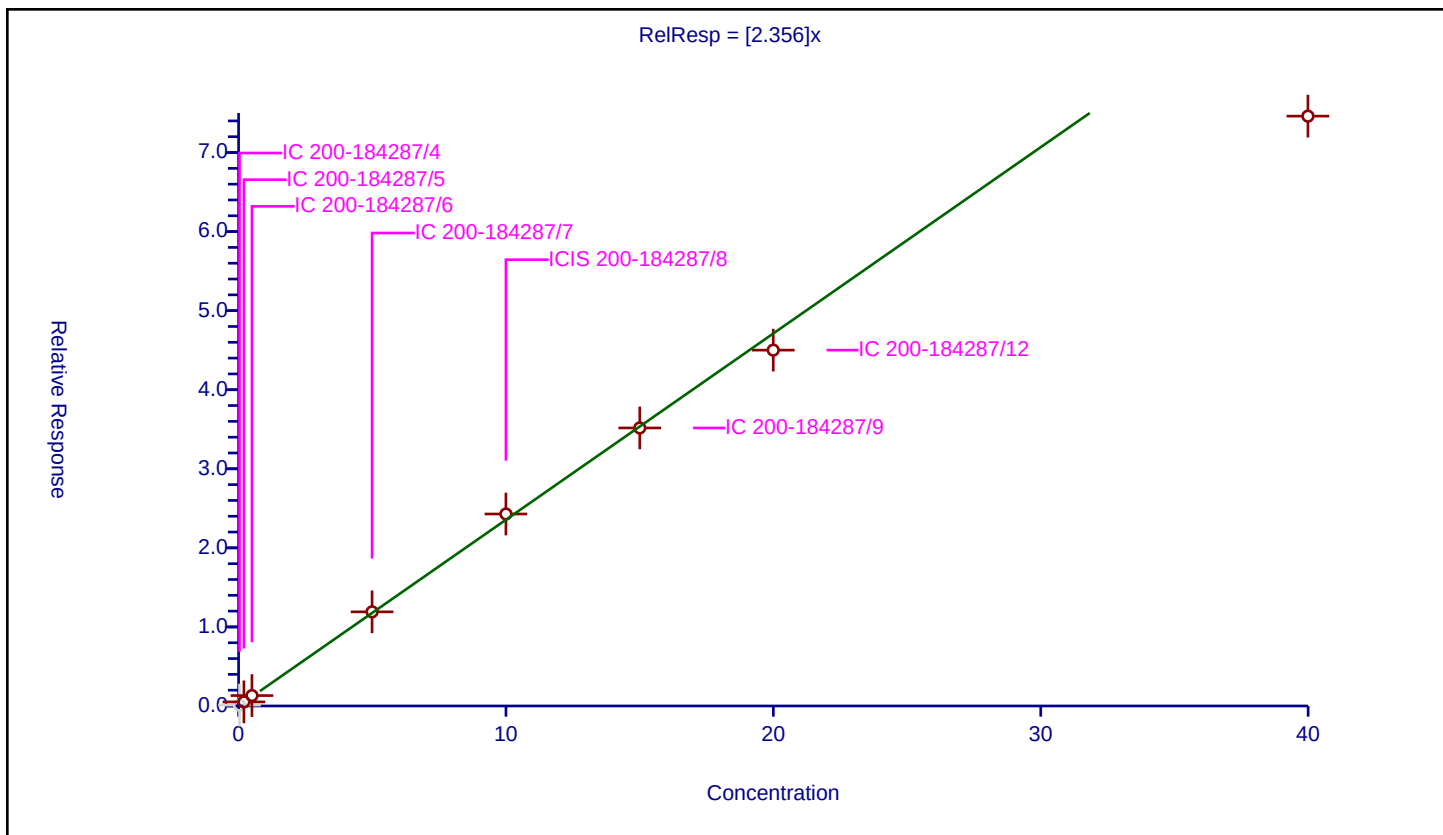
Curve Coefficients

Intercept: 0
 Slope: 2.356

Error Coefficients

Standard Error: 6820000
 Relative Standard Error: 10.8
 Correlation Coefficient: 0.988
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.113287	10.0	1493369.0	3.229685	N
2	IC 200-184287/5	0.20044	0.518799	10.0	1494779.0	2.588306	Y
3	IC 200-184287/6	0.500453	1.315691	10.0	1541160.0	2.629002	Y
4	IC 200-184287/7	4.992563	11.908138	10.0	1552356.0	2.385175	Y
5	ICIS 200-184287/8	9.99806	24.284329	10.0	1606191.0	2.428904	Y
6	IC 200-184287/9	15.003557	35.167363	10.0	1667009.0	2.343935	Y
7	IC 200-184287/12	19.99612	45.009094	10.0	1707726.0	2.250891	Y
8	IC 200-184287/13	39.99224	74.606479	10.0	1730367.0	1.865524	Y



Calibration

/ 1,4-Dichlorobenzene

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

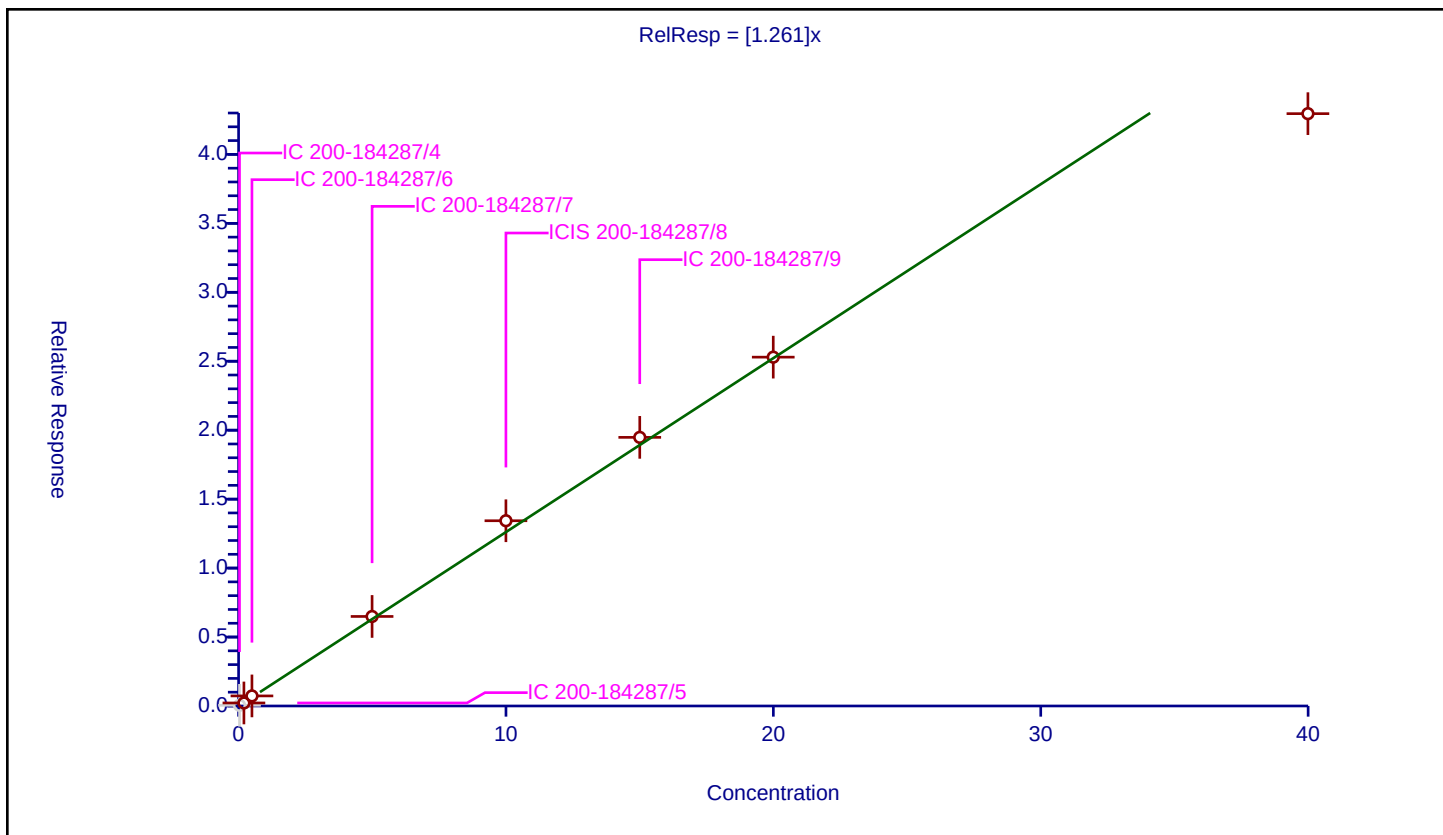
Curve Coefficients

Intercept: 0
 Slope: 1.261

Error Coefficients

Standard Error: 3880000
 Relative Standard Error: 10.8
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.049901	10.0	1493369.0	1.422604	N
2	IC 200-184287/5	0.20044	0.218534	10.0	1494779.0	1.090273	Y
3	IC 200-184287/6	0.500453	0.729113	10.0	1541160.0	1.456908	Y
4	IC 200-184287/7	4.992563	6.492325	10.0	1552356.0	1.300399	Y
5	ICIS 200-184287/8	9.99806	13.433353	10.0	1606191.0	1.343596	Y
6	IC 200-184287/9	15.003557	19.478917	10.0	1667009.0	1.298287	Y
7	IC 200-184287/12	19.99612	25.296265	10.0	1707726.0	1.265059	Y
8	IC 200-184287/13	39.99224	42.953402	10.0	1730367.0	1.074043	Y



Calibration

/ Benzyl chloride

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

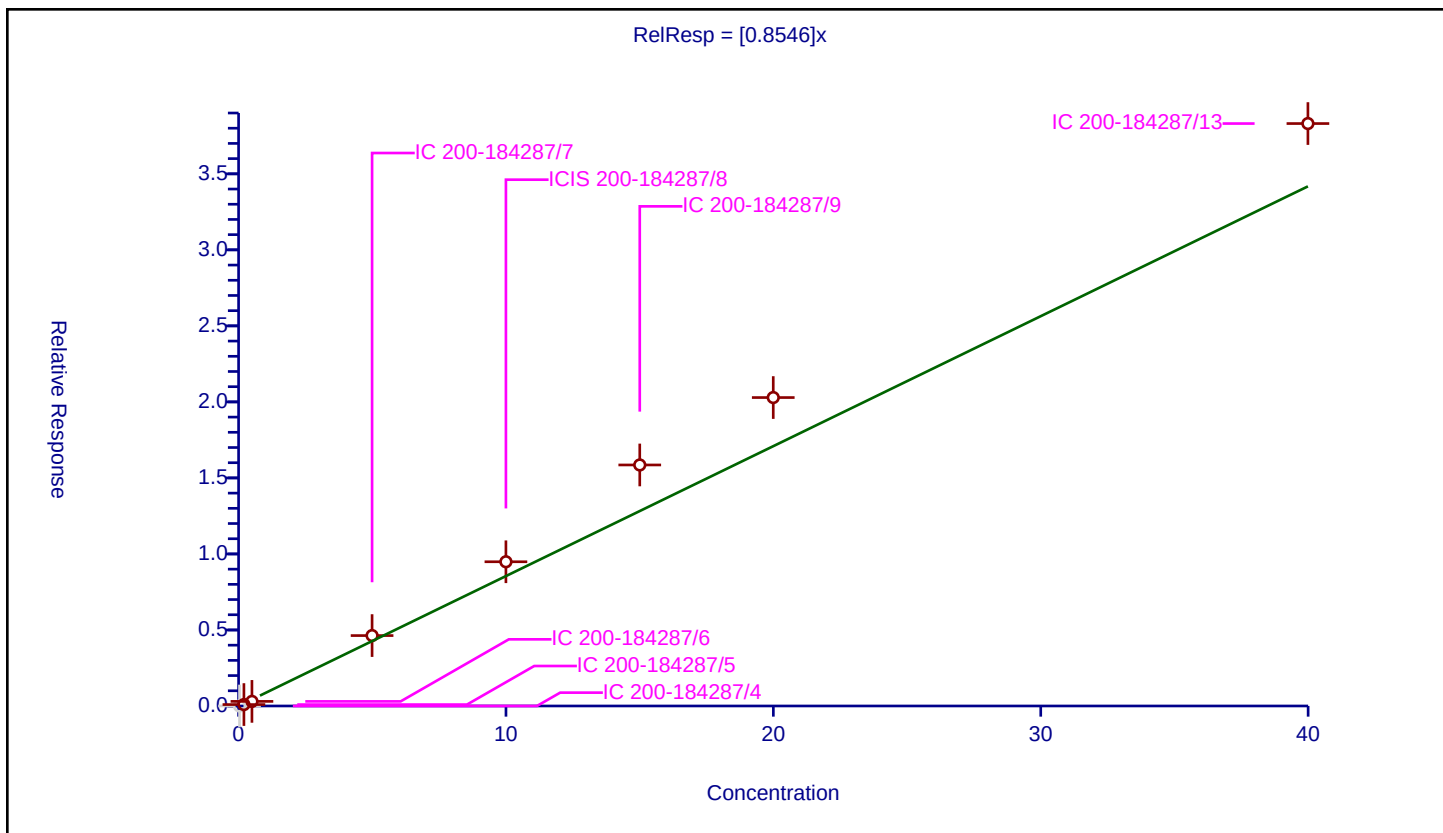
Curve Coefficients

Intercept: 0
 Slope: 0.8546

Error Coefficients

Standard Error: 3310000
 Relative Standard Error: 26.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.938

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.0	10.0	1493369.0	0.0	N
2	IC 200-184287/5	0.20044	0.094589	10.0	1494779.0	0.471909	Y
3	IC 200-184287/6	0.500453	0.302629	10.0	1541160.0	0.604711	Y
4	IC 200-184287/7	4.992563	4.631212	10.0	1552356.0	0.927622	Y
5	ICIS 200-184287/8	9.99806	9.485018	10.0	1606191.0	0.948686	Y
6	IC 200-184287/9	15.003557	15.85229	10.0	1667009.0	1.056569	Y
7	IC 200-184287/12	19.99612	20.285842	10.0	1707726.0	1.014489	Y
8	IC 200-184287/13	39.99224	38.308041	10.0	1730367.0	0.957887	Y



Calibration

/ n-Butylbenzene

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

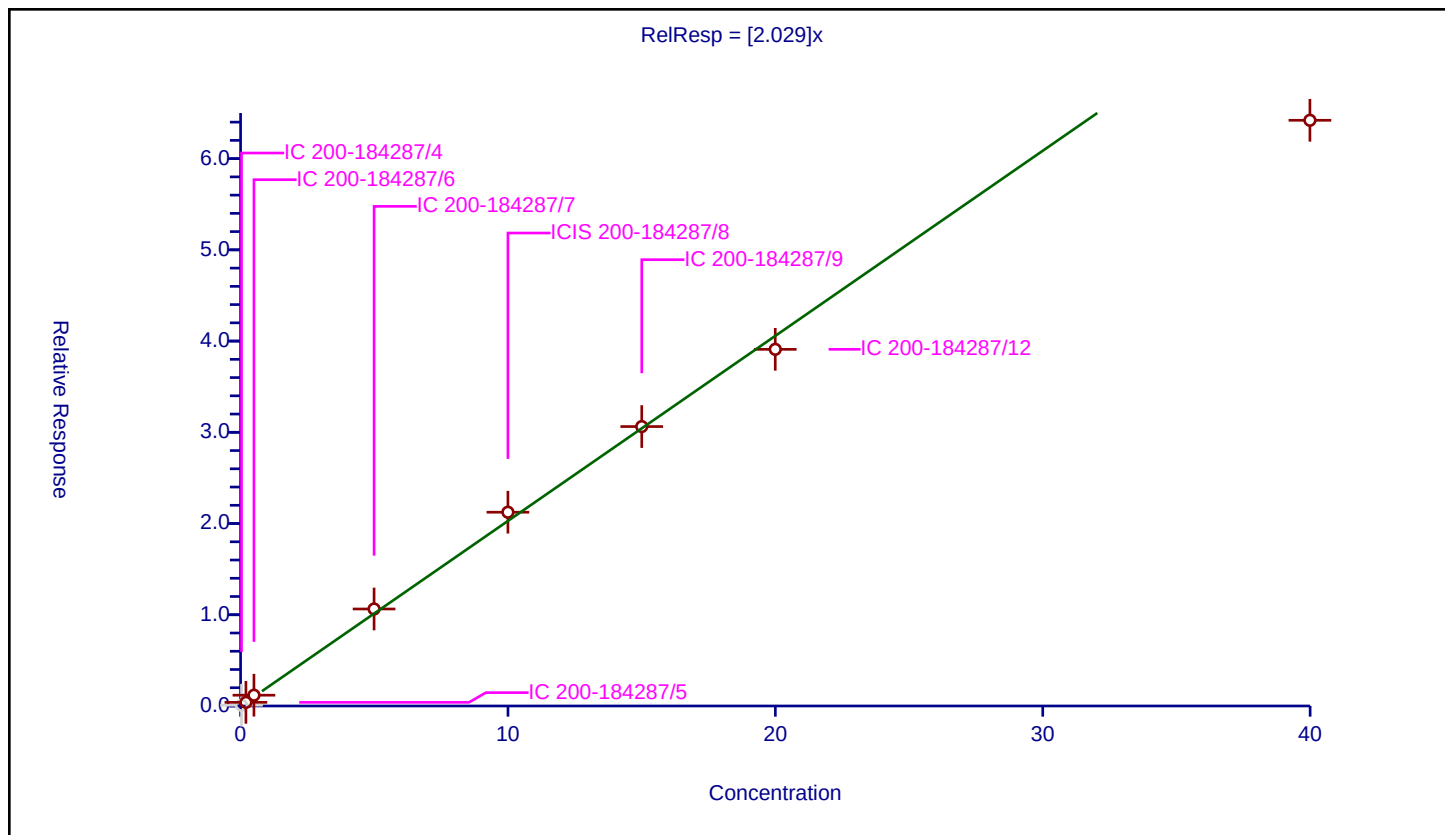
Curve Coefficients

Intercept: 0
 Slope: 2.029

Error Coefficients

Standard Error: 5890000
 Relative Standard Error: 11.3
 Correlation Coefficient: 0.986
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.084273	10.0	1493369.0	2.402505	N
2	IC 200-184287/5	0.20044	0.397811	10.0	1494779.0	1.984694	Y
3	IC 200-184287/6	0.500453	1.180974	10.0	1541160.0	2.359812	Y
4	IC 200-184287/7	4.992563	10.631601	10.0	1552356.0	2.129488	Y
5	ICIS 200-184287/8	9.99806	21.241191	10.0	1606191.0	2.124531	Y
6	IC 200-184287/9	15.003557	30.631334	10.0	1667009.0	2.041605	Y
7	IC 200-184287/12	19.99612	39.095189	10.0	1707726.0	1.955139	Y
8	IC 200-184287/13	39.99224	64.202866	10.0	1730367.0	1.605383	Y



Calibration

/ 1,2-Dichlorobenzene

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

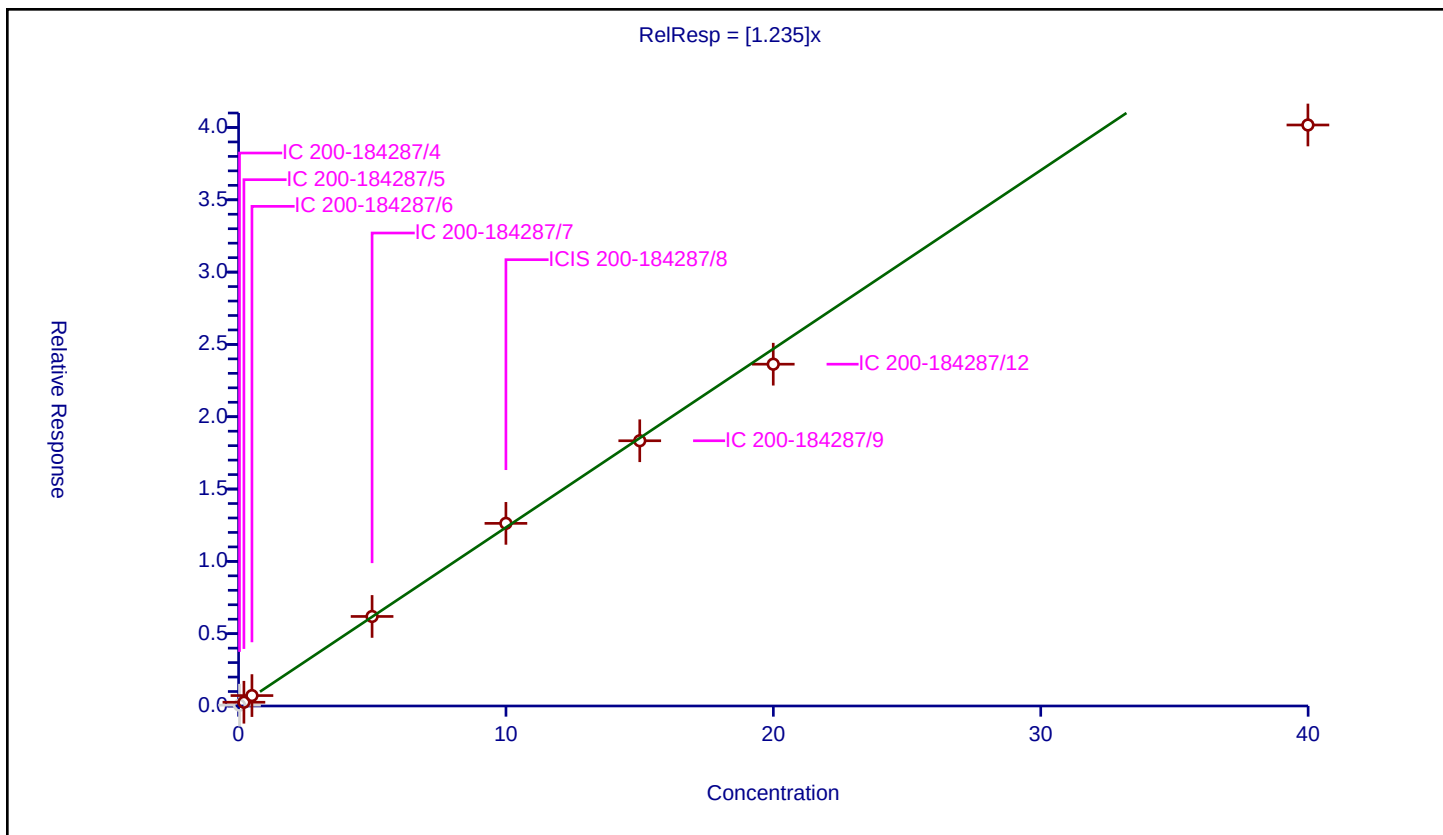
Curve Coefficients

Intercept: 0
 Slope: 1.235

Error Coefficients

Standard Error: 3630000
 Relative Standard Error: 10.5
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.055867	10.0	1493369.0	1.592698	N
2	IC 200-184287/5	0.20044	0.259323	10.0	1494779.0	1.293769	Y
3	IC 200-184287/6	0.500453	0.719439	10.0	1541160.0	1.437576	Y
4	IC 200-184287/7	4.992563	6.189985	10.0	1552356.0	1.239841	Y
5	ICIS 200-184287/8	9.99806	12.628112	10.0	1606191.0	1.263056	Y
6	IC 200-184287/9	15.003557	18.340411	10.0	1667009.0	1.222404	Y
7	IC 200-184287/12	19.99612	23.633405	10.0	1707726.0	1.1819	Y
8	IC 200-184287/13	39.99224	40.171842	10.0	1730367.0	1.004491	Y



Calibration

/ Undecane

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

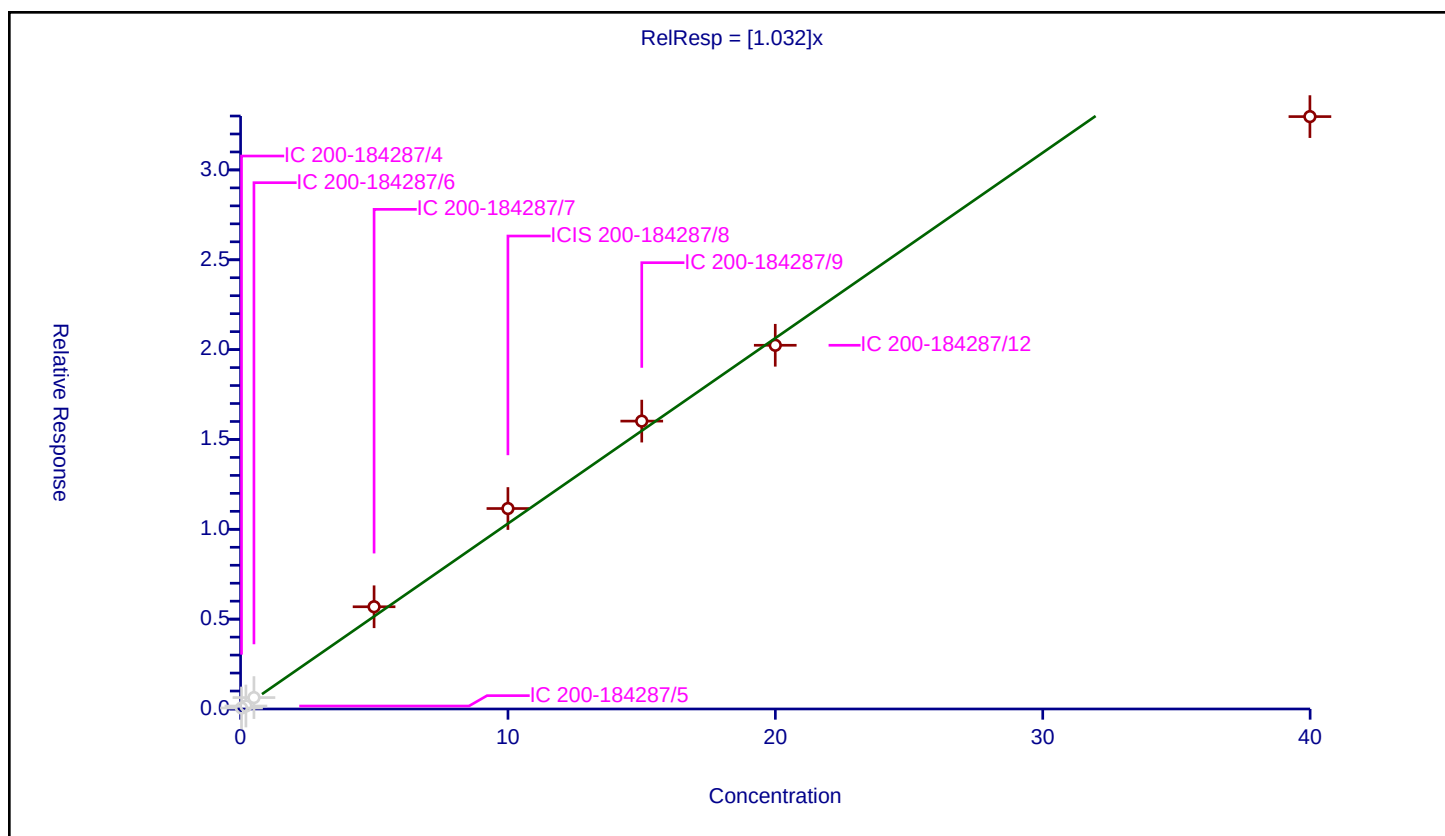
Curve Coefficients

Intercept: 0
Slope: 1.032

Error Coefficients

Standard Error: 3730000
Relative Standard Error: 12.2
Correlation Coefficient: 0.985
Coefficient of Determination (Adjusted): 0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.055787	10.0	1493369.0	1.590407	N
2	IC 200-184287/5	0.20044	0.165877	10.0	1494779.0	0.827568	N
3	IC 200-184287/6	0.500453	0.635093	10.0	1541160.0	1.269037	N
4	IC 200-184287/7	4.992563	5.689513	10.0	1552356.0	1.139598	Y
5	ICIS 200-184287/8	9.99806	11.155653	10.0	1606191.0	1.115782	Y
6	IC 200-184287/9	15.003557	16.021233	10.0	1667009.0	1.067829	Y
7	IC 200-184287/12	19.99612	20.240964	10.0	1707726.0	1.012245	Y
8	IC 200-184287/13	39.99224	32.966949	10.0	1730367.0	0.824334	Y



Calibration

/ Dodecane

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

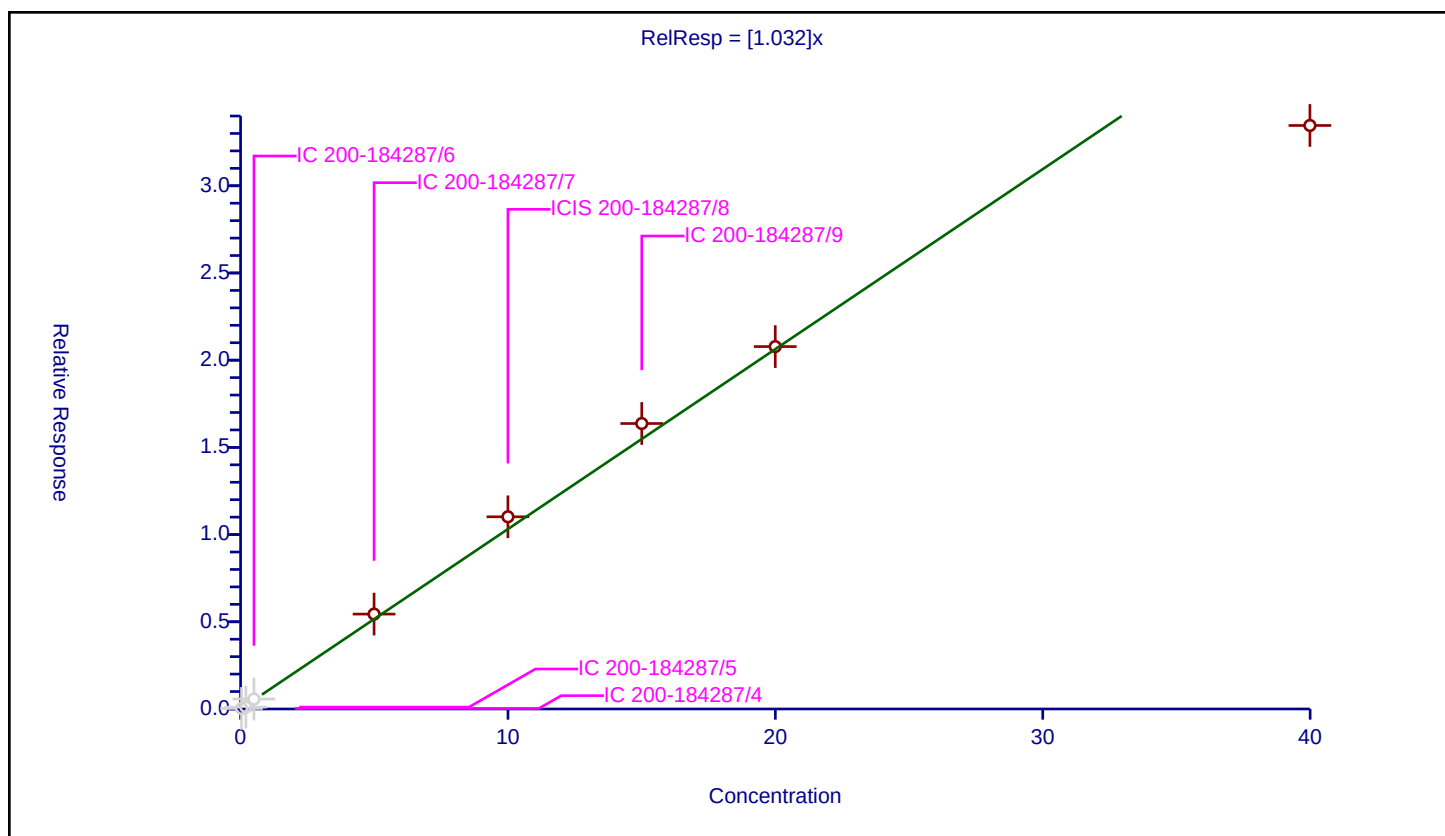
Curve Coefficients

Intercept: 0
 Slope: 1.032

Error Coefficients

Standard Error: 3790000
 Relative Standard Error: 10.8
 Correlation Coefficient: 0.980
 Coefficient of Determination (Adjusted): 0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.030883	10.0	1493369.0	0.880441	N
2	IC 200-184287/5	0.20044	0.108257	10.0	1494779.0	0.540097	N
3	IC 200-184287/6	0.500453	0.568591	10.0	1541160.0	1.136154	N
4	IC 200-184287/7	4.992563	5.441291	10.0	1552356.0	1.089879	Y
5	ICIS 200-184287/8	9.99806	11.020047	10.0	1606191.0	1.102219	Y
6	IC 200-184287/9	15.003557	16.368826	10.0	1667009.0	1.090996	Y
7	IC 200-184287/12	19.99612	20.780359	10.0	1707726.0	1.03922	Y
8	IC 200-184287/13	39.99224	33.457163	10.0	1730367.0	0.836591	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

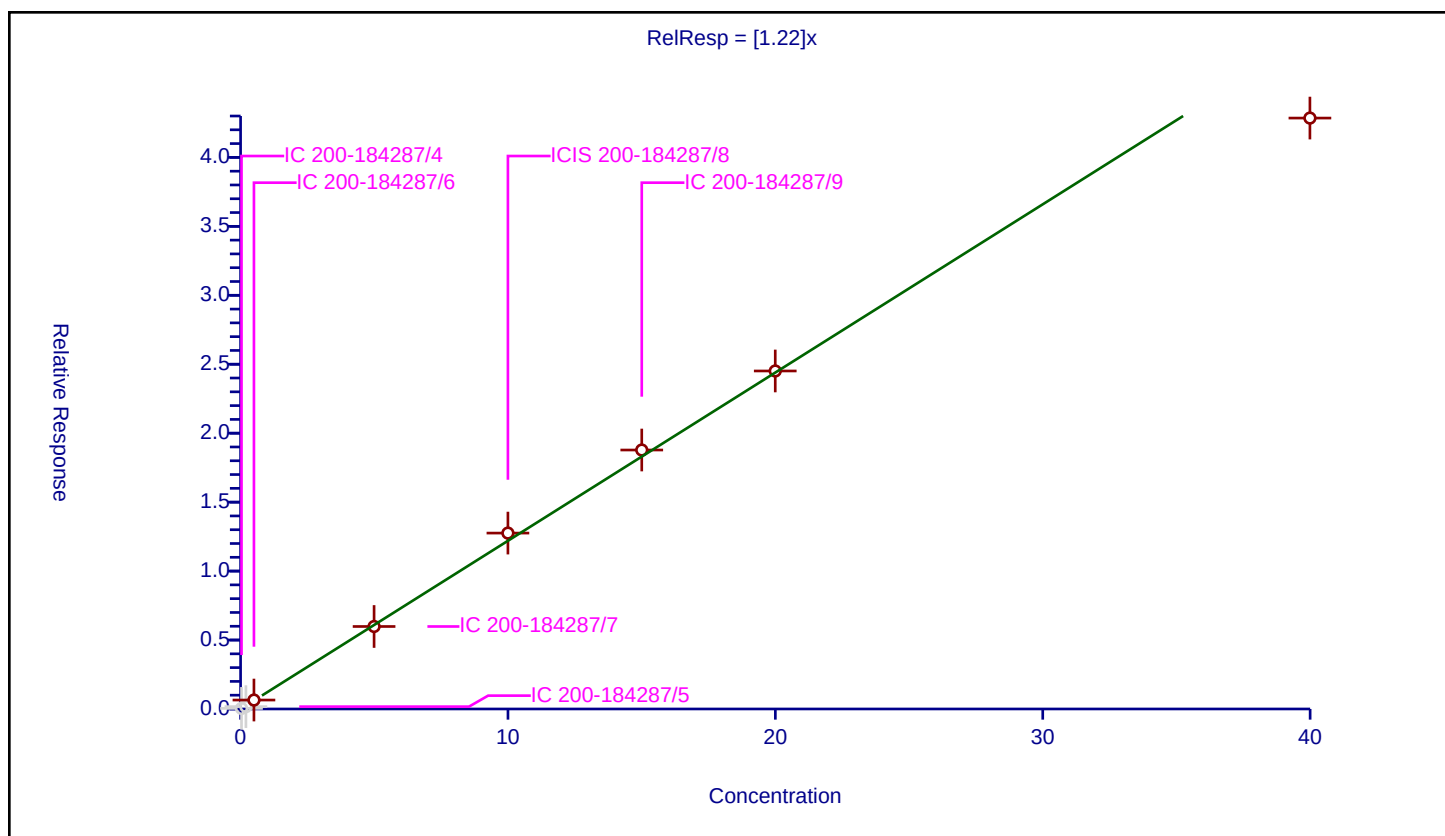
Curve Coefficients

Intercept: 0
 Slope: 1.22

Error Coefficients

Standard Error: 4180000
 Relative Standard Error: 6.6
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.043084	10.0	1493369.0	1.228265	N
2	IC 200-184287/5	0.20044	0.171082	10.0	1494779.0	0.853534	N
3	IC 200-184287/6	0.500453	0.648654	10.0	1541160.0	1.296135	Y
4	IC 200-184287/7	4.992563	5.982861	10.0	1552356.0	1.198355	Y
5	ICIS 200-184287/8	9.99806	12.755513	10.0	1606191.0	1.275799	Y
6	IC 200-184287/9	15.003557	18.778891	10.0	1667009.0	1.251629	Y
7	IC 200-184287/12	19.99612	24.510624	10.0	1707726.0	1.225769	Y
8	IC 200-184287/13	39.99224	42.851453	10.0	1730367.0	1.071494	Y



Calibration

/ Hexachlorobutadiene

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

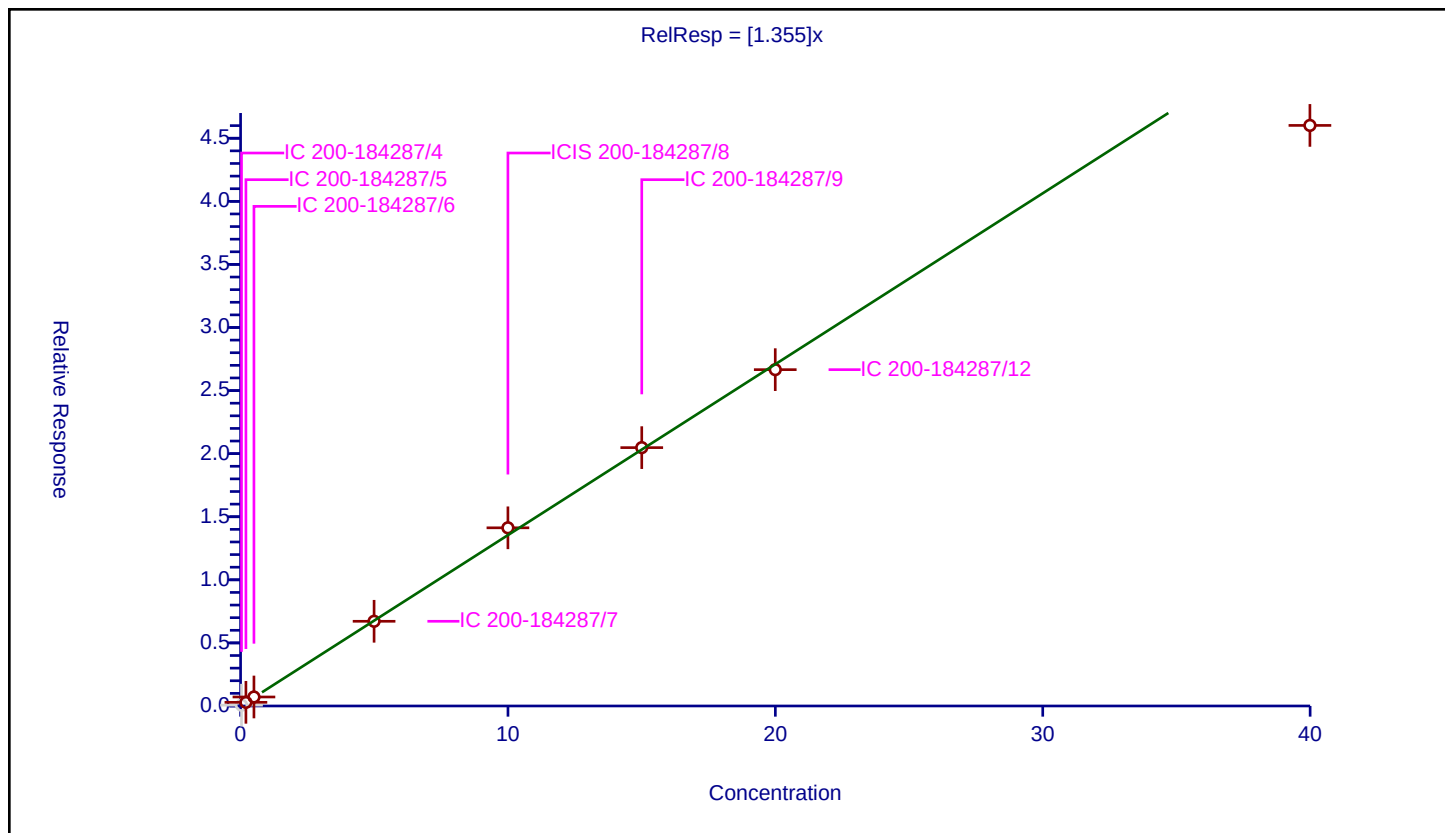
Curve Coefficients

Intercept: 0
Slope: 1.355

Error Coefficients

Standard Error: 4120000
Relative Standard Error: 7.4
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.064806	10.0	1493369.0	1.847552	N
2	IC 200-184287/5	0.20044	0.290357	10.0	1494779.0	1.448602	Y
3	IC 200-184287/6	0.500453	0.714241	10.0	1541160.0	1.427191	Y
4	IC 200-184287/7	4.992563	6.714517	10.0	1552356.0	1.344904	Y
5	ICIS 200-184287/8	9.99806	14.122449	10.0	1606191.0	1.412519	Y
6	IC 200-184287/9	15.003557	20.47779	10.0	1667009.0	1.364862	Y
7	IC 200-184287/12	19.99612	26.658152	10.0	1707726.0	1.333166	Y
8	IC 200-184287/13	39.99224	46.017469	10.0	1730367.0	1.15066	Y



Calibration

/ Naphthalene

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

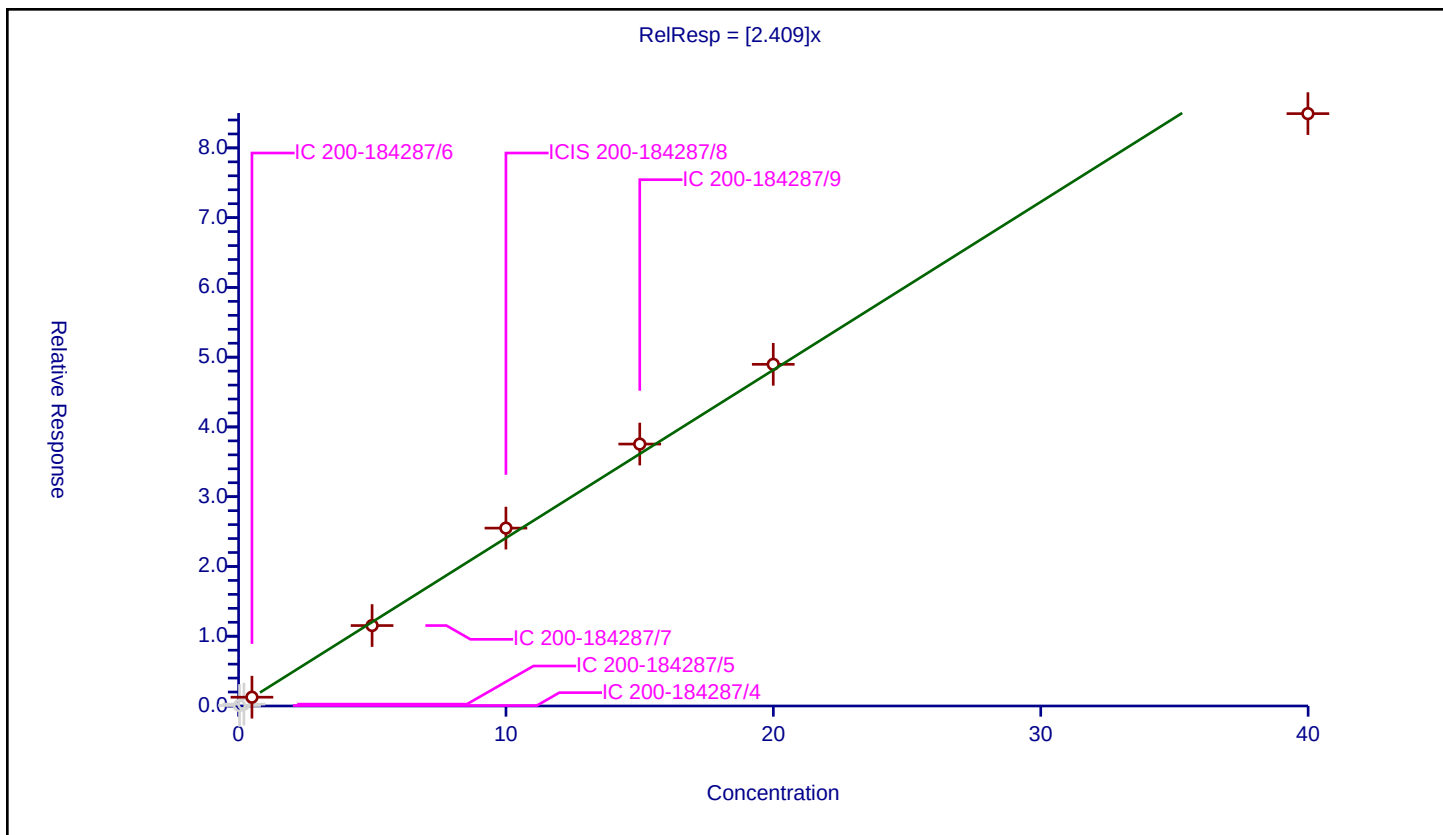
Curve Coefficients

Intercept: 0
 Slope: 2.409

Error Coefficients

Standard Error: 8310000
 Relative Standard Error: 6.8
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.06865	10.0	1493369.0	1.95713	N
2	IC 200-184287/5	0.20044	0.267257	10.0	1494779.0	1.333353	N
3	IC 200-184287/6	0.500453	1.259636	10.0	1541160.0	2.516993	Y
4	IC 200-184287/7	4.992563	11.52972	10.0	1552356.0	2.309379	Y
5	ICIS 200-184287/8	9.99806	25.500118	10.0	1606191.0	2.550507	Y
6	IC 200-184287/9	15.003557	37.545628	10.0	1667009.0	2.502448	Y
7	IC 200-184287/12	19.99612	48.975017	10.0	1707726.0	2.449226	Y
8	IC 200-184287/13	39.99224	84.911444	10.0	1730367.0	2.123198	Y



Calibration

/ 1,2,3-Trichlorobenzene

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

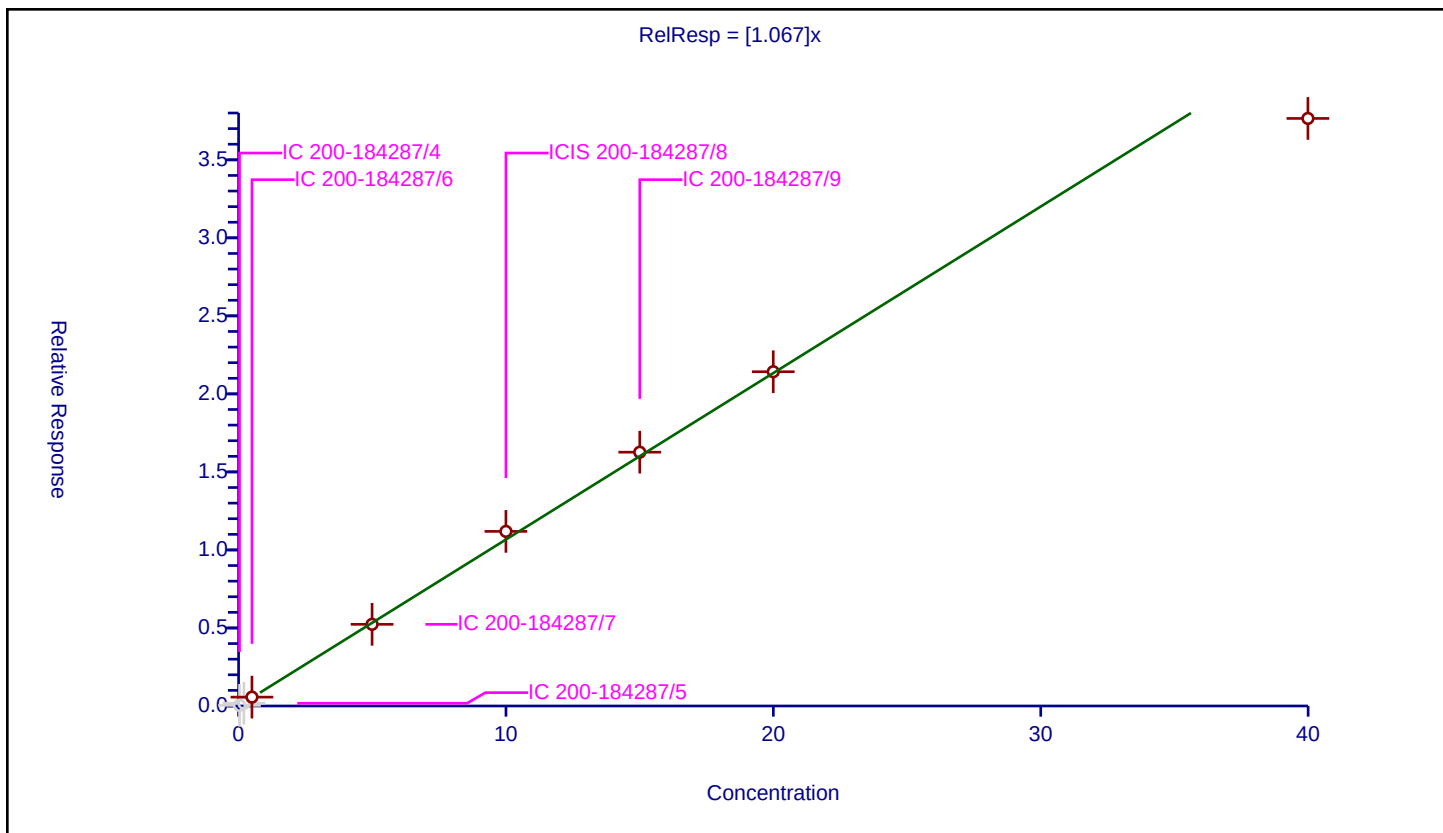
Curve Coefficients

Intercept: 0
 Slope: 1.067

Error Coefficients

Standard Error: 3660000
 Relative Standard Error: 6.5
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-184287/4	0.035077	0.040948	10.0	1493369.0	1.167368	N
2	IC 200-184287/5	0.20044	0.175625	10.0	1494779.0	0.876197	N
3	IC 200-184287/6	0.500453	0.569006	10.0	1541160.0	1.136984	Y
4	IC 200-184287/7	4.992563	5.234238	10.0	1552356.0	1.048407	Y
5	ICIS 200-184287/8	9.99806	11.189049	10.0	1606191.0	1.119122	Y
6	IC 200-184287/9	15.003557	16.263607	10.0	1667009.0	1.083983	Y
7	IC 200-184287/12	19.99612	21.419672	10.0	1707726.0	1.071191	Y
8	IC 200-184287/13	39.99224	37.653116	10.0	1730367.0	0.941511	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Lab Sample ID: ICV 200-184287/17 Calibration Date: 10/05/2022 05:13
 Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42
 Lab File ID: 52704-17.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
Propylene	Ave	2.804	2.943		10.5	10.0	4.9	30.0
Dichlorodifluoromethane	Ave	7.418	7.820		10.5	10.0	5.4	30.0
Freon 22	Ave	4.838	4.896		10.1	10.0	1.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	7.116	7.381		10.4	10.0	3.7	30.0
Chloromethane	Ave	2.628	2.645		10.1	10.0	0.6	30.0
Vinyl chloride	Ave	1.722	1.435		8.33	10.0	-16.7	30.0
n-Butane	Ave	2.048	1.912		9.33	10.0	-6.7	30.0
1,3-Butadiene	Ave	1.304	1.046		8.02	10.0	-19.8	30.0
Bromomethane	Ave	2.173	2.202		10.1	10.0	1.3	30.0
Chloroethane	Ave	1.175	1.177		10.0	10.0	0.1	30.0
Isopentane	Ave	2.640	2.441		9.24	10.0	-7.6	30.0
Bromoethene (Vinyl Bromide)	Ave	2.001	2.023		10.1	10.0	1.1	30.0
Trichlorofluoromethane	Ave	6.312	6.160		9.76	10.0	-2.4	30.0
n-Pentane	Ave	3.169	3.038		9.59	10.0	-4.1	30.0
Ethanol	Ave	0.7345	0.7436		14.9	14.7	1.2	30.0
Ethyl ether	Ave	1.291	1.237		9.58	10.0	-4.2	30.0
Acrolein	Ave	0.6694	0.6716		10.0	10.0	0.3	30.0
1,1-Dichloroethene	Ave	1.924	1.753		9.11	10.0	-8.9	30.0
Freon TF	Ave	3.773	3.714		9.84	10.0	-1.6	30.0
Acetone	Ave	2.465	2.532		10.3	10.0	2.7	30.0
Isopropyl alcohol	Ave	2.630	2.603		9.90	10.0	-1.0	30.0
Carbon disulfide	Ave	4.332	4.337		10.0	10.0	0.1	30.0
Acetonitrile	Ave	0.8734	0.8678		9.93	10.0	-0.6	30.0
3-Chloropropene	Ave	1.823	1.700		9.32	10.0	-6.8	30.0
Methylene Chloride	Ave	1.544	1.492		9.66	10.0	-3.3	30.0
tert-Butyl alcohol	Ave	3.244	3.219		9.92	10.0	-0.8	30.0
Acrylonitrile	Ave	0.8660	0.8527		9.84	10.0	-1.5	30.0
trans-1,2-Dichloroethene	Ave	2.310	2.093		9.06	10.0	-9.4	30.0
Methyl tert-butyl ether	Ave	4.874	4.832		9.91	10.0	-0.9	30.0
n-Hexane	Ave	2.167	2.041		9.41	10.0	-5.8	30.0
1,1-Dichloroethane	Ave	2.817	2.517		8.93	10.0	-10.7	30.0
Vinyl acetate	Ave	3.182	3.173		9.97	10.0	-0.3	30.0
Methyl Ethyl Ketone	Ave	0.7199	0.7155		9.94	10.0	-0.6	30.0
cis-1,2-Dichloroethene	Ave	1.779	1.614		9.07	10.0	-9.3	30.0
Ethyl acetate	Ave	0.1334	0.1408		10.6	10.0	5.5	30.0
Tetrahydrofuran	Ave	0.2582	0.2590		10.0	10.0	0.3	30.0
Chloroform	Ave	3.693	3.567		9.66	10.0	-3.4	30.0
1,1,1-Trichloroethane	Ave	0.8602	0.8380		9.74	10.0	-2.6	30.0
Cyclohexane	Ave	0.4286	0.4133		9.64	10.0	-3.6	30.0
Carbon tetrachloride	Ave	0.9682	0.9154		9.45	10.0	-5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Lab Sample ID: ICV 200-184287/17 Calibration Date: 10/05/2022 05:13
 Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42
 Lab File ID: 52704-17.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
Benzene	Ave	0.9582	0.9145		9.54	10.0	-4.6	30.0
1,2-Dichloroethane	Ave	0.5371	0.5126		9.54	10.0	-4.6	30.0
2,2,4-Trimethylpentane	Ave	1.377	1.310		9.51	10.0	-4.9	30.0
n-Heptane	Ave	0.4810	0.4463		9.28	10.0	-7.2	30.0
n-Butanol	Ave	0.1592	0.1571		9.87	10.0	-1.3	30.0
Trichloroethene	Ave	0.4987	0.4618		9.26	10.0	-7.4	30.0
1,2-Dichloropropane	Ave	0.3187	0.2995		9.40	10.0	-6.0	30.0
Methyl methacrylate	Ave	0.3064	0.3127		10.2	10.0	2.1	30.0
1,4-Dioxane	Ave	0.1777	0.1725		9.71	10.0	-2.9	30.0
Dibromomethane	Ave	0.4643	0.4664		10.0	10.0	0.4	30.0
Bromodichloromethane	Ave	0.7844	0.7866		10.0	10.0	0.3	30.0
cis-1,3-Dichloropropene	Ave	0.6023	0.6026		10.0	10.0	0.0	30.0
Methyl isobutyl ketone	Ave	0.5704	0.5759		10.1	10.0	1.0	30.0
Toluene	Ave	0.8007	0.7799		9.74	10.0	-2.6	30.0
n-Octane	Ave	0.6581	0.6132		9.32	10.0	-6.8	30.0
trans-1,3-Dichloropropene	Ave	0.5445	0.5489		10.1	10.0	0.8	30.0
1,1,2-Trichloroethane	Ave	0.3684	0.3614		9.81	10.0	-1.9	30.0
Tetrachloroethene	Ave	0.8309	0.7807		9.39	10.0	-6.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5258	0.5126		9.75	10.0	-2.5	30.0
Dibromochloromethane	Ave	0.9003	0.9504		10.6	10.0	5.6	30.0
1,2-Dibromoethane	Ave	0.7297	0.7373		10.1	10.0	1.0	30.0
Chlorobenzene	Ave	1.135	1.125		9.91	10.0	-0.9	30.0
Ethylbenzene	Ave	1.811	1.795		9.91	10.0	-0.9	30.0
m,p-Xylene	Ave	0.7177	0.7168		20.0	20.0	-0.1	30.0
n-Nonane	Ave	0.7225	0.6978		9.66	10.0	-3.4	30.0
Xylene, o-	Ave	0.7016	0.7012		9.99	10.0	-0.0	30.0
Styrene	Ave	1.006	1.086		10.8	10.0	7.9	30.0
Bromoform	Ave	0.8891	1.001		11.3	10.0	12.6	30.0
Cumene	Ave	2.166	2.170		10.0	10.0	0.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9269	0.9084		9.80	10.0	-2.0	30.0
1,2,3-Trichloropropane	Ave	0.7975	0.8008		10.0	10.0	0.4	30.0
n-Propylbenzene	Ave	2.460	2.476		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	1.587	1.588		10.0	10.0	0.0	30.0
4-Ethyltoluene	Ave	2.110	2.151		10.2	10.0	2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.860	1.855		9.97	10.0	-0.2	30.0
n-Decane	Ave	0.9230	0.9080		9.84	10.0	-1.6	30.0
Alpha Methyl Styrene	Ave	0.8431	0.9396		11.1	10.0	11.4	30.0
tert-Butylbenzene	Ave	1.875	1.863		9.93	10.0	-0.7	30.0
1,2,4-Trimethylbenzene	Ave	1.849	1.861		10.1	10.0	0.6	30.0
sec-Butylbenzene	Ave	2.654	2.637		9.93	10.0	-0.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Lab Sample ID: ICV 200-184287/17 Calibration Date: 10/05/2022 05:13
 Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42
 Lab File ID: 52704-17.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
1,3-Dichlorobenzene	Ave	1.266	1.314		10.4	10.0	3.7	30.0
4-Isopropyltoluene	Ave	2.356	2.372		10.1	10.0	0.7	30.0
1,4-Dichlorobenzene	Ave	1.261	1.330		10.5	10.0	5.4	30.0
Benzyl chloride	Ave	0.8546	0.8663		10.1	10.0	1.4	30.0
n-Butylbenzene	Ave	2.029	2.052		10.1	10.0	1.2	30.0
1,2-Dichlorobenzene	Ave	1.235	1.252		10.1	10.0	1.4	30.0
n-Undecane	Ave	1.032	1.054		10.2	10.0	2.1	30.0
n-Dodecane	Ave	1.032	1.007		9.75	10.0	-2.4	30.0
1,2,4-Trichlorobenzene	Ave	1.220	1.254		10.3	10.0	2.8	30.0
Hexachlorobutadiene	Ave	1.355	1.385		10.2	10.0	2.2	30.0
Naphthalene	Ave	2.409	2.491		10.3	10.0	3.4	30.0
1,2,3-Trichlorobenzene	Ave	1.067	1.097		10.3	10.0	2.8	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-17.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 05-Oct-2022 05:13:30 ALS Bottle#: 17 Worklist Smp#: 17
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-017
 Operator ID: vtp Instrument ID: CHX.i
 Sublist:
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 09:23:33 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: V0FK

Date: 05-Oct-2022 07:59:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.333	4.332	0.001	99	1092217	10.0	10.5	
3 Dichlorodifluoromethane	85	4.429	4.423	0.006	100	2902218	10.0	10.5	
4 Chlorodifluoromethane	51	4.466	4.466	0.000	96	1817295	10.0	10.1	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.782	0.005	97	2739332	10.0	10.4	
6 Chloromethane	50	4.900	4.894	0.006	99	981537	10.0	10.1	
7 Vinyl chloride	62	5.205	5.204	0.001	99	532742	10.0	8.33	
8 Butane	43	5.215	5.210	0.005	96	709501	10.0	9.33	
9 Butadiene	54	5.322	5.322	0.000	95	388246	10.0	8.02	
11 BFB									
10 Bromomethane	94	6.023	6.018	0.005	99	817289	10.0	10.1	
12 Chloroethane	64	6.291	6.285	0.006	100	436755	10.0	10.0	
13 2-Methylbutane	43	6.505	6.499	0.006	92	905890	10.0	9.24	
14 Vinyl bromide	106	6.703	6.702	0.001	98	750930	10.0	10.1	
15 Trichlorofluoromethane	101	6.868	6.863	0.005	99	2286154	10.0	9.76	
16 Pentane	43	7.072	7.072	0.000	96	1127734	10.0	9.59	
17 Ethanol	45	7.221	7.216	0.005	99	405239	14.7	14.9	
18 Ethyl ether	59	7.505	7.499	0.006	96	459124	10.0	9.58	
19 Acrolein	56	7.708	7.708	0.000	98	249271	10.0	10.0	
20 1,1-Dichloroethene	96	7.912	7.906	0.006	99	650591	10.0	9.11	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.949	7.949	0.000	96	1378569	10.0	9.84	
22 Acetone	43	7.992	7.981	0.011	99	939859	10.0	10.3	
23 Isopropyl alcohol	45	8.302	8.297	0.005	99	966111	10.0	9.90	
24 Carbon disulfide	76	8.329	8.329	0.000	100	1609504	10.0	10.0	
25 Acetonitrile	41	8.447	8.441	0.006	98	322081	10.0	9.93	
27 3-Chloro-1-propene	41	8.591	8.591	0.000	96	630832	10.0	9.32	
28 Methylene Chloride	49	8.816	8.810	0.006	89	553881	10.0	9.66	
29 2-Methyl-2-propanol	59	9.089	9.083	0.005	94	1194750	10.0	9.92	
30 Acrylonitrile	53	9.190	9.190	0.000	93	316469	10.0	9.84	
32 trans-1,2-Dichloroethene	61	9.324	9.318	0.006	97	776916	10.0	9.06	
31 Methyl tert-butyl ether	73	9.351	9.345	0.006	95	1793236	10.0	9.91	
S 33 1,2-Dichloroethene, Total	61				0		20.0	18.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.827	9.827	0.000	90	757359	10.0	9.41	
36 1,1-Dichloroethane	63	10.073	10.067	0.006	100	934321	10.0	8.93	
35 Vinyl acetate	43	10.078	10.078	0.000	99	1177506	10.0	9.97	
37 2-Butanone (MEK)	72	11.025	11.025	0.000	99	265559	10.0	9.94	
38 cis-1,2-Dichloroethene	96	11.052	11.046	0.006	92	599083	10.0	9.07	
39 Ethyl acetate	88	11.116	11.111	0.005	99	52269	10.0	10.6	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	77	371221	10.0	10.0	
41 Tetrahydrofuran	42	11.528	11.528	0.000	89	486484	10.0	10.0	
42 Chloroform	83	11.635	11.629	0.006	97	1323783	10.0	9.66	
43 1,1,1-Trichloroethane	97	11.951	11.950	0.001	94	1574250	10.0	9.74	
44 Cyclohexane	84	12.100	12.100	0.000	94	776280	10.0	9.64	
45 Carbon tetrachloride	117	12.239	12.234	0.005	99	1719544	10.0	9.45	
46 Benzene	78	12.571	12.566	0.005	96	1717951	10.0	9.54	
47 1,2-Dichloroethane	62	12.635	12.635	0.000	99	962814	10.0	9.54	
48 Isooctane	57	12.791	12.790	0.000	97	2460918	10.0	9.51	
49 n-Heptane	43	13.101	13.095	0.006	86	838410	10.0	9.28	
* 50 1,4-Difluorobenzene	114	13.299	13.299	0.000	94	1878838	10.0	10.0	
51 n-Butanol	56	13.534	13.529	0.005	88	295159	10.0	9.87	
52 Trichloroethene	95	13.732	13.732	0.000	99	867501	10.0	9.26	
A 53 GRO	1	14.141	(6.489-21.793)	0	277922522	649.9	0		
55 1,2-Dichloropropane	63	14.181	14.181	0.000	86	562612	10.0	9.40	
56 Methyl methacrylate	69	14.267	14.262	0.005	95	587457	10.0	10.2	
58 Dibromomethane	174	14.342	14.336	0.006	94	876096	10.0	10.0	
57 1,4-Dioxane	88	14.342	14.342	0.000	88	324033	10.0	9.71	
59 Dichlorobromomethane	83	14.642	14.641	0.001	99	1477583	10.0	10.0	
60 cis-1,3-Dichloropropene	75	15.439	15.438	0.001	95	1131884	10.0	10.0	
A 61 TVOC as Toluene	92	15.495	(4.322-26.667)	0	465477706	899.8	0		
62 4-Methyl-2-pentanone (MIBK)	43	15.706	15.706	0.000	94	1081838	10.0	10.1	
63 Toluene	92	16.086	16.086	0.000	94	1334990	10.0	9.74	
A 64 Toluene Range	1	16.094	(16.016-16.171)	0	5288502	NC	NC		
A 65 C8 Range	1	16.343	(16.268-16.417)	0	5171739	NC	NC		
66 n-Octane	43	16.337	16.343	-0.006	84	1151925	10.0	9.32	
67 trans-1,3-Dichloropropene	75	16.487	16.487	0.000	98	1031135	10.0	10.1	
68 1,1,2-Trichloroethane	83	16.867	16.861	0.006	98	618596	10.0	9.81	
69 Tetrachloroethene	166	17.081	17.081	0.000	96	1336318	10.0	9.39	
70 2-Hexanone	43	17.375	17.375	0.000	98	877415	10.0	9.75	
71 Chlorodibromomethane	129	17.605	17.610	-0.005	98	1626787	10.0	10.6	
72 Ethylene Dibromide	107	17.851	17.851	0.000	99	1262049	10.0	10.1	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	1712070	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	95	1925415	10.0	9.91	
75 Ethylbenzene	91	19.007	19.007	0.000	98	3073000	10.0	9.91	
76 m-Xylene & p-Xylene	106	19.274	19.269	0.005	0	2454000	20.0	20.0	
77 n-Nonane	57	19.339	19.338	0.001	82	1194395	10.0	9.66	
S 78 Xylenes, Total	106				0		30.0	30.0	
79 o-Xylene	106	20.039	20.039	0.000	99	1200270	10.0	10.0	
80 Styrene	104	20.077	20.077	0.000	98	1858372	10.0	10.8	
81 Bromoform	173	20.430	20.430	0.000	98	1714029	10.0	11.3	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	3713895	10.0	10.0	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	99	1555004	10.0	9.80	
84 1,2,3-Trichloropropane	75	21.345	21.345	0.000	96	1370689	10.0	10.0	
85 N-Propylbenzene	91	21.457	21.457	0.000	100	4238827	10.0	10.1	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	2718474	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.655	21.655	0.000	99	3681658	10.0	10.2	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	3175524	10.0	9.97	
89 n-Decane	57	21.783	21.783	0.000	95	1554271	10.0	9.84	
90 Alpha Methyl Styrene	118	22.078	22.077	0.001	90	1608327	10.0	11.1	
91 tert-Butylbenzene	119	22.233	22.233	0.000	94	3189130	10.0	9.93	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	3184864	10.0	10.1	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	4514246	10.0	9.93	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	98	2248604	10.0	10.4	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	4061088	10.0	10.1	
96 1,4-Dichlorobenzene	146	22.875	22.875	0.000	95	2275887	10.0	10.5	
97 Benzyl chloride	91	23.014	23.014	0.000	99	1482795	10.0	10.1	
98 n-Butylbenzene	91	23.329	23.329	0.000	98	3512483	10.0	10.1	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	2142325	10.0	10.1	
100 Undecane	57	23.479	23.479	0.000	91	1803953	10.0	10.2	
101 Dodecane	57	25.052	25.052	0.000	95	1723005	10.0	9.75	
102 1,2,4-Trichlorobenzene	180	25.785	25.779	0.006	94	2146786	10.0	10.3	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	98	2370312	10.0	10.2	
104 Naphthalene	128	26.250	26.250	0.000	99	4263458	10.0	10.3	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	94	1878103	10.0	10.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00845

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-17.D

Injection Date: 05-Oct-2022 05:13:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: icv

Worklist Smp#: 17

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

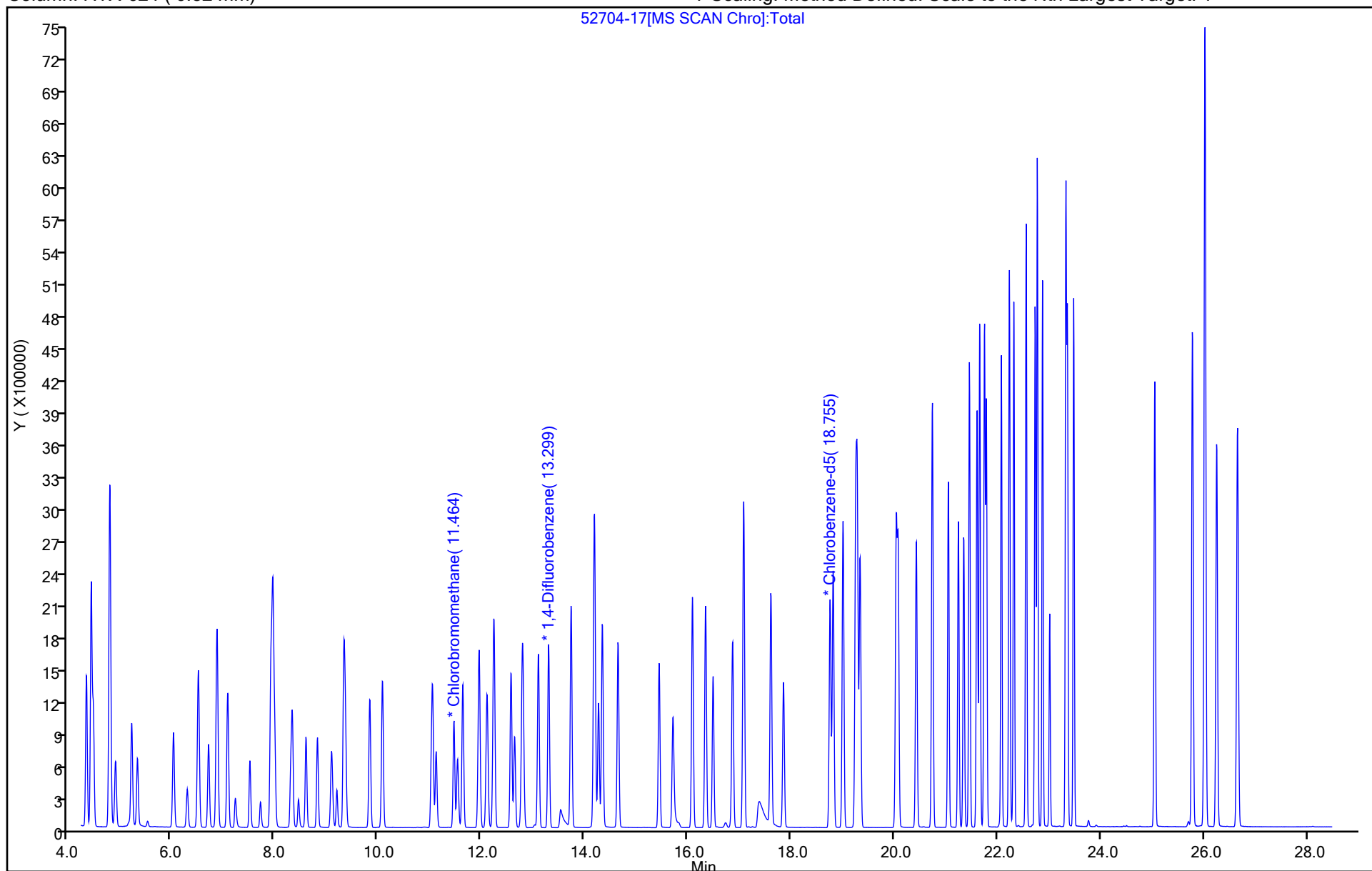
ALS Bottle#: 17

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Lab Sample ID: CCVIS 200-184744/2 Calibration Date: 10/17/2022 07:27
 Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42
 Lab File ID: 52891-02.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
Propylene	Ave	2.804	3.327		11.9	10.0	18.6	30.0
Dichlorodifluoromethane	Ave	7.418	8.836		11.9	10.0	19.1	30.0
Freon 22	Ave	4.838	5.427		11.2	10.0	12.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	7.116	7.873		11.1	10.0	10.6	30.0
Chloromethane	Ave	2.628	2.750		10.5	10.0	4.6	30.0
Vinyl chloride	Ave	1.722	1.607		9.33	10.0	-6.7	30.0
n-Butane	Ave	2.048	2.146		10.5	10.0	4.8	30.0
1,3-Butadiene	Ave	1.304	1.177		9.02	10.0	-9.7	30.0
Bromomethane	Ave	2.173	2.208		10.2	10.0	1.6	30.0
Chloroethane	Ave	1.175	1.174		9.98	10.0	-0.1	30.0
Isopentane	Ave	2.640	2.458		9.31	10.0	-6.9	30.0
Bromoethene (Vinyl Bromide)	Ave	2.001	2.047		10.2	10.0	2.3	30.0
Trichlorofluoromethane	Ave	6.312	6.620		10.5	10.0	4.9	30.0
n-Pentane	Ave	3.169	3.102		9.79	10.0	-2.1	30.0
Ethanol	Ave	0.7345	0.7586		15.5	15.0	3.3	30.0
Ethyl ether	Ave	1.291	1.269		9.83	10.0	-1.7	30.0
Acrolein	Ave	0.6694	0.6675		9.97	10.0	-0.3	30.0
1,1-Dichloroethene	Ave	1.924	1.796		9.33	10.0	-6.7	30.0
Freon TF	Ave	3.773	3.896		10.3	10.0	3.2	30.0
Acetone	Ave	2.465	2.644		10.7	10.0	7.3	30.0
Isopropyl alcohol	Ave	2.630	2.707		10.3	10.0	2.9	30.0
Carbon disulfide	Ave	4.332	4.495		10.4	10.0	3.8	30.0
Acetonitrile	Ave	0.8734	0.9035		10.3	10.0	3.5	30.0
3-Chloropropene	Ave	1.823	1.827		10.0	10.0	0.2	30.0
Methylene Chloride	Ave	1.544	1.588		10.3	10.0	2.8	30.0
tert-Butyl alcohol	Ave	3.244	3.393		10.5	10.0	4.6	30.0
Acrylonitrile	Ave	0.8660	0.8856		10.2	10.0	2.3	30.0
trans-1,2-Dichloroethene	Ave	2.310	2.223		9.62	10.0	-3.8	30.0
Methyl tert-butyl ether	Ave	4.874	5.110		10.5	10.0	4.8	30.0
n-Hexane	Ave	2.167	2.117		9.77	10.0	-2.3	30.0
1,1-Dichloroethane	Ave	2.817	2.632		9.34	10.0	-6.6	30.0
Vinyl acetate	Ave	3.182	3.231		10.2	10.0	1.5	30.0
Methyl Ethyl Ketone	Ave	0.7199	0.7321		10.2	10.0	1.7	30.0
cis-1,2-Dichloroethene	Ave	1.779	1.649		9.27	10.0	-7.3	30.0
Ethyl acetate	Ave	0.1334	0.1374		10.3	10.0	3.0	30.0
Tetrahydrofuran	Ave	0.2582	0.2735		10.6	10.0	5.9	30.0
Chloroform	Ave	3.693	3.675		9.95	10.0	-0.5	30.0
1,1,1-Trichloroethane	Ave	0.8602	0.8962		10.4	10.0	4.2	30.0
Cyclohexane	Ave	0.4286	0.4252		9.92	10.0	-0.8	30.0
Carbon tetrachloride	Ave	0.9682	0.9743		10.1	10.0	0.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1

SDG No.: 200-65325

Lab Sample ID: CCVIS 200-184744/2 Calibration Date: 10/17/2022 07:27

Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42

Lab File ID: 52891-02.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
Benzene	Ave	0.9582	0.9378		9.79	10.0	-2.1	30.0
1,2-Dichloroethane	Ave	0.5371	0.5408		10.1	10.0	0.7	30.0
2,2,4-Trimethylpentane	Ave	1.377	1.345		9.77	10.0	-2.3	30.0
n-Heptane	Ave	0.4810	0.4618		9.60	10.0	-4.0	30.0
n-Butanol	Ave	0.1592	0.1488		9.35	10.0	-6.5	30.0
Trichloroethene	Ave	0.4987	0.4741		9.50	10.0	-4.9	30.0
1,2-Dichloropropane	Ave	0.3187	0.3039		9.53	10.0	-4.7	30.0
Methyl methacrylate	Ave	0.3064	0.3080		10.0	10.0	0.5	30.0
Dibromomethane	Ave	0.4643	0.4871		10.5	10.0	4.9	30.0
1,4-Dioxane	Ave	0.1777	0.1591		8.95	10.0	-10.4	30.0
Bromodichloromethane	Ave	0.7844	0.8098		10.3	10.0	3.2	30.0
cis-1,3-Dichloropropene	Ave	0.6023	0.6056		10.1	10.0	0.6	30.0
Methyl isobutyl ketone	Ave	0.5704	0.5259		9.22	10.0	-7.8	30.0
Toluene	Ave	0.8007	0.8019		10.0	10.0	0.2	30.0
n-Octane	Ave	0.6581	0.6214		9.44	10.0	-5.6	30.0
trans-1,3-Dichloropropene	Ave	0.5445	0.5646		10.4	10.0	3.7	30.0
1,1,2-Trichloroethane	Ave	0.3684	0.3666		9.95	10.0	-0.5	30.0
Tetrachloroethene	Ave	0.8309	0.8236		9.91	10.0	-0.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5258	0.5055		9.61	10.0	-3.9	30.0
Dibromochloromethane	Ave	0.9003	0.9897		11.0	10.0	9.9	30.0
1,2-Dibromoethane	Ave	0.7297	0.7533		10.3	10.0	3.2	30.0
Chlorobenzene	Ave	1.135	1.148		10.1	10.0	1.1	30.0
Ethylbenzene	Ave	1.811	1.849		10.2	10.0	2.1	30.0
m,p-Xylene	Ave	0.7177	0.7380		20.6	20.0	2.8	30.0
n-Nonane	Ave	0.7225	0.7147		9.89	10.0	-1.1	30.0
Xylene, o-	Ave	0.7016	0.7121		10.1	10.0	1.5	30.0
Styrene	Ave	1.006	1.084		10.8	10.0	7.8	30.0
Bromoform	Ave	0.8891	1.051		11.8	10.0	18.2	30.0
Cumene	Ave	2.166	2.240		10.3	10.0	3.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9269	0.9153		9.87	10.0	-1.2	30.0
1,2,3-Trichloropropane	Ave	0.7975	0.8105		10.2	10.0	1.6	30.0
n-Propylbenzene	Ave	2.460	2.534		10.3	10.0	3.0	30.0
2-Chlorotoluene	Ave	1.587	1.621		10.2	10.0	2.2	30.0
4-Ethyltoluene	Ave	2.110	2.201		10.4	10.0	4.3	30.0
1,3,5-Trimethylbenzene	Ave	1.860	1.927		10.4	10.0	3.6	30.0
n-Decane	Ave	0.9230	0.9284		10.1	10.0	0.6	30.0
Alpha Methyl Styrene	Ave	0.8431	0.9342		11.1	10.0	10.8	30.0
tert-Butylbenzene	Ave	1.875	1.934		10.3	10.0	3.1	30.0
1,2,4-Trimethylbenzene	Ave	1.849	1.918		10.4	10.0	3.7	30.0
sec-Butylbenzene	Ave	2.654	2.733		10.3	10.0	3.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Lab Sample ID: CCVIS 200-184744/2 Calibration Date: 10/17/2022 07:27
 Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42
 Lab File ID: 52891-02.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
1,3-Dichlorobenzene	Ave	1.266	1.334		10.5	10.0	5.4	30.0
4-Isopropyltoluene	Ave	2.356	2.476		10.5	10.0	5.1	30.0
1,4-Dichlorobenzene	Ave	1.261	1.335		10.6	10.0	5.8	30.0
Benzyl chloride	Ave	0.8546	1.335		15.6	10.0	56.2*	30.0
n-Butylbenzene	Ave	2.029	2.106		10.4	10.0	3.8	30.0
1,2-Dichlorobenzene	Ave	1.235	1.293		10.5	10.0	4.7	30.0
n-Undecane	Ave	1.032	1.082		10.5	10.0	4.8	30.0
n-Dodecane	Ave	1.032	1.069		10.4	10.0	3.6	30.0
1,2,4-Trichlorobenzene	Ave	1.220	1.199		9.82	10.0	-1.7	30.0
Hexachlorobutadiene	Ave	1.355	1.504		11.1	10.0	11.1	30.0
Naphthalene	Ave	2.409	2.391		9.93	10.0	-0.7	30.0
1,2,3-Trichlorobenzene	Ave	1.067	1.082		10.1	10.0	1.5	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-02.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 17-Oct-2022 07:27:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052891-002
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Oct-2022 12:12:58 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1641

First Level Reviewer: V0FK

Date: 17-Oct-2022 12:12:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.338	4.338	0.000	99	1005790	10.0	11.9	
3 Dichlorodifluoromethane	85	4.429	4.429	0.000	100	2671608	10.0	11.9	
4 Chlorodifluoromethane	51	4.471	4.471	0.000	97	1640858	10.0	11.2	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.787	0.000	94	2380283	10.0	11.1	
6 Chloromethane	50	4.899	4.899	0.000	100	831560	10.0	10.5	
7 Vinyl chloride	62	5.210	5.210	0.000	99	485941	10.0	9.33	
8 Butane	43	5.220	5.220	0.000	97	648744	10.0	10.5	
9 Butadiene	54	5.322	5.322	0.000	96	355936	10.0	9.02	
11 BFB									
10 Bromomethane	94	6.023	6.023	0.000	99	667481	10.0	10.2	
12 Chloroethane	64	6.285	6.285	0.000	100	354875	10.0	9.98	
13 2-Methylbutane	43	6.499	6.499	0.000	90	743083	10.0	9.31	
14 Vinyl bromide	106	6.697	6.697	0.000	99	618817	10.0	10.2	
15 Trichlorofluoromethane	101	6.863	6.863	0.000	99	2001554	10.0	10.5	
16 Pentane	43	7.071	7.071	0.000	95	937888	10.0	9.79	
17 Ethanol	45	7.216	7.216	0.000	99	344181	15.0	15.5	
18 Ethyl ether	59	7.499	7.499	0.000	96	383673	10.0	9.83	
19 Acrolein	56	7.708	7.708	0.000	97	201805	10.0	9.97	
20 1,1-Dichloroethene	96	7.906	7.906	0.000	98	542865	10.0	9.33	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.943	7.943	0.000	96	1177895	10.0	10.3	
22 Acetone	43	7.986	7.986	0.000	99	799535	10.0	10.7	
23 Isopropyl alcohol	45	8.297	8.297	0.000	99	818433	10.0	10.3	
24 Carbon disulfide	76	8.323	8.323	0.000	100	1359099	10.0	10.4	
25 Acetonitrile	41	8.441	8.441	0.000	97	273173	10.0	10.3	
27 3-Chloro-1-propene	41	8.585	8.585	0.000	95	552303	10.0	10.0	
28 Methylene Chloride	49	8.810	8.810	0.000	89	480026	10.0	10.3	
29 2-Methyl-2-propanol	59	9.094	9.094	0.000	95	1025955	10.0	10.5	
30 Acrylonitrile	53	9.185	9.185	0.000	94	267745	10.0	10.2	
32 trans-1,2-Dichloroethene	61	9.318	9.318	0.000	97	672133	10.0	9.62	
31 Methyl tert-butyl ether	73	9.350	9.350	0.000	95	1544935	10.0	10.5	
S 33 1,2-Dichloroethene, Total	61				0		20.0	18.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.827	9.827	0.000	89	639923	10.0	9.77	
36 1,1-Dichloroethane	63	10.062	10.062	0.000	100	795880	10.0	9.34	
35 Vinyl acetate	43	10.078	10.078	0.000	100	976734	10.0	10.2	
37 2-Butanone (MEK)	72	11.025	11.025	0.000	99	221347	10.0	10.2	
38 cis-1,2-Dichloroethene	96	11.041	11.041	0.000	93	498547	10.0	9.27	
39 Ethyl acetate	88	11.116	11.116	0.000	99	41537	10.0	10.3	
* 40 Chlorobromomethane	128	11.458	11.458	0.000	77	302406	10.0	10.0	
41 Tetrahydrofuran	42	11.533	11.533	0.000	86	408940	10.0	10.6	
42 Chloroform	83	11.624	11.624	0.000	97	1111264	10.0	9.95	
43 1,1,1-Trichloroethane	97	11.945	11.945	0.000	95	1340067	10.0	10.4	
44 Cyclohexane	84	12.100	12.100	0.000	93	635806	10.0	9.92	
45 Carbon tetrachloride	117	12.234	12.234	0.000	99	1456990	10.0	10.1	
46 Benzene	78	12.566	12.566	0.000	96	1402328	10.0	9.79	
47 1,2-Dichloroethane	62	12.635	12.635	0.000	99	808753	10.0	10.1	
48 Isooctane	57	12.790	12.790	0.000	97	2011636	10.0	9.77	
49 n-Heptane	43	13.095	13.095	0.000	87	690571	10.0	9.60	
* 50 1,4-Difluorobenzene	114	13.293	13.293	0.000	94	1495645	10.0	10.0	
51 n-Butanol	56	13.545	13.545	0.000	89	222566	10.0	9.35	
52 Trichloroethene	95	13.732	13.732	0.000	99	708946	10.0	9.50	
A 53 GRO	1	14.141	(6.489-21.793)	0	227904965	649.9	0		
55 1,2-Dichloropropane	63	14.181	14.181	0.000	77	454424	10.0	9.53	
56 Methyl methacrylate	69	14.261	14.261	0.000	94	460506	10.0	10.0	
58 Dibromomethane	174	14.336	14.336	0.000	92	728329	10.0	10.5	
57 1,4-Dioxane	88	14.342	14.342	0.000	90	237919	10.0	8.95	
59 Dichlorobromomethane	83	14.641	14.641	0.000	99	1210939	10.0	10.3	
60 cis-1,3-Dichloropropene	75	15.438	15.438	0.000	96	905635	10.0	10.1	
A 61 TVOC as Toluene	92	15.497	(4.328-26.667)	0	381513986	899.8	0		
62 4-Methyl-2-pentanone (MIBK)	43	15.711	15.711	0.000	95	786372	10.0	9.22	
63 Toluene	92	16.086	16.086	0.000	94	1060238	10.0	10.0	
A 64 Toluene Range	1	16.086	(16.016-16.155)	0	4502674	NC	NC		
66 n-Octane	43	16.337	16.337	0.000	84	929166	10.0	9.44	
A 65 C8 Range	1	16.337	(16.262-16.412)	0	4169258	NC	NC		
67 trans-1,3-Dichloropropene	75	16.482	16.482	0.000	98	844268	10.0	10.4	
68 1,1,2-Trichloroethane	83	16.861	16.861	0.000	97	484669	10.0	9.95	
69 Tetrachloroethene	166	17.075	17.075	0.000	95	1088811	10.0	9.91	
70 2-Hexanone	43	17.396	17.396	0.000	96	668301	10.0	9.61	
71 Chlorodibromomethane	129	17.605	17.605	0.000	98	1308489	10.0	11.0	
72 Ethylene Dibromide	107	17.851	17.851	0.000	98	995935	10.0	10.3	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	1322343	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	94	1517455	10.0	10.1	
75 Ethylbenzene	91	19.007	19.007	0.000	98	2444771	10.0	10.2	
76 m-Xylene & p-Xylene	106	19.274	19.274	0.000	0	1951445	20.0	20.6	
77 n-Nonane	57	19.338	19.338	0.000	83	944839	10.0	9.89	
S 78 Xylenes, Total	106				0		30.0	30.7	
79 o-Xylene	106	20.039	20.039	0.000	99	941415	10.0	10.1	
80 Styrene	104	20.071	20.071	0.000	99	1433727	10.0	10.8	
81 Bromoform	173	20.430	20.430	0.000	97	1389496	10.0	11.8	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	2961379	10.0	10.3	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	98	1210139	10.0	9.87	
84 1,2,3-Trichloropropane	75	21.344	21.344	0.000	95	1071490	10.0	10.2	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	3349766	10.0	10.3	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	2143437	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.655	21.655	0.000	99	2909375	10.0	10.4	
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	2547250	10.0	10.4	
89 n-Decane	57	21.783	21.783	0.000	95	1227435	10.0	10.1	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	89	1235032	10.0	11.1	
91 tert-Butylbenzene	119	22.232	22.232	0.000	94	2557210	10.0	10.3	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	2535347	10.0	10.4	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	3612955	10.0	10.3	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	98	1763723	10.0	10.5	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	3273340	10.0	10.5	
96 1,4-Dichlorobenzene	146	22.874	22.874	0.000	95	1764395	10.0	10.6	
97 Benzyl chloride	91	23.014	23.014	0.000	99	1765021	10.0	15.6	
98 n-Butylbenzene	91	23.329	23.329	0.000	97	2784637	10.0	10.4	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	1709125	10.0	10.5	
100 Undecane	57	23.479	23.479	0.000	91	1430126	10.0	10.5	
101 Dodecane	57	25.052	25.052	0.000	95	1413649	10.0	10.4	
102 1,2,4-Trichlorobenzene	180	25.785	25.785	0.000	94	1584794	10.0	9.82	
103 Hexachlorobutadiene	225	26.025	26.025	0.000	98	1988855	10.0	11.1	
104 Naphthalene	128	26.255	26.255	0.000	99	3161678	10.0	9.93	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	96	1430986	10.0	10.1	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00792

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 17-Oct-2022 12:12:58

Chrom Revision: 2.3 28-Sep-2022 12:57:42

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-02.D

Injection Date: 17-Oct-2022 07:27:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

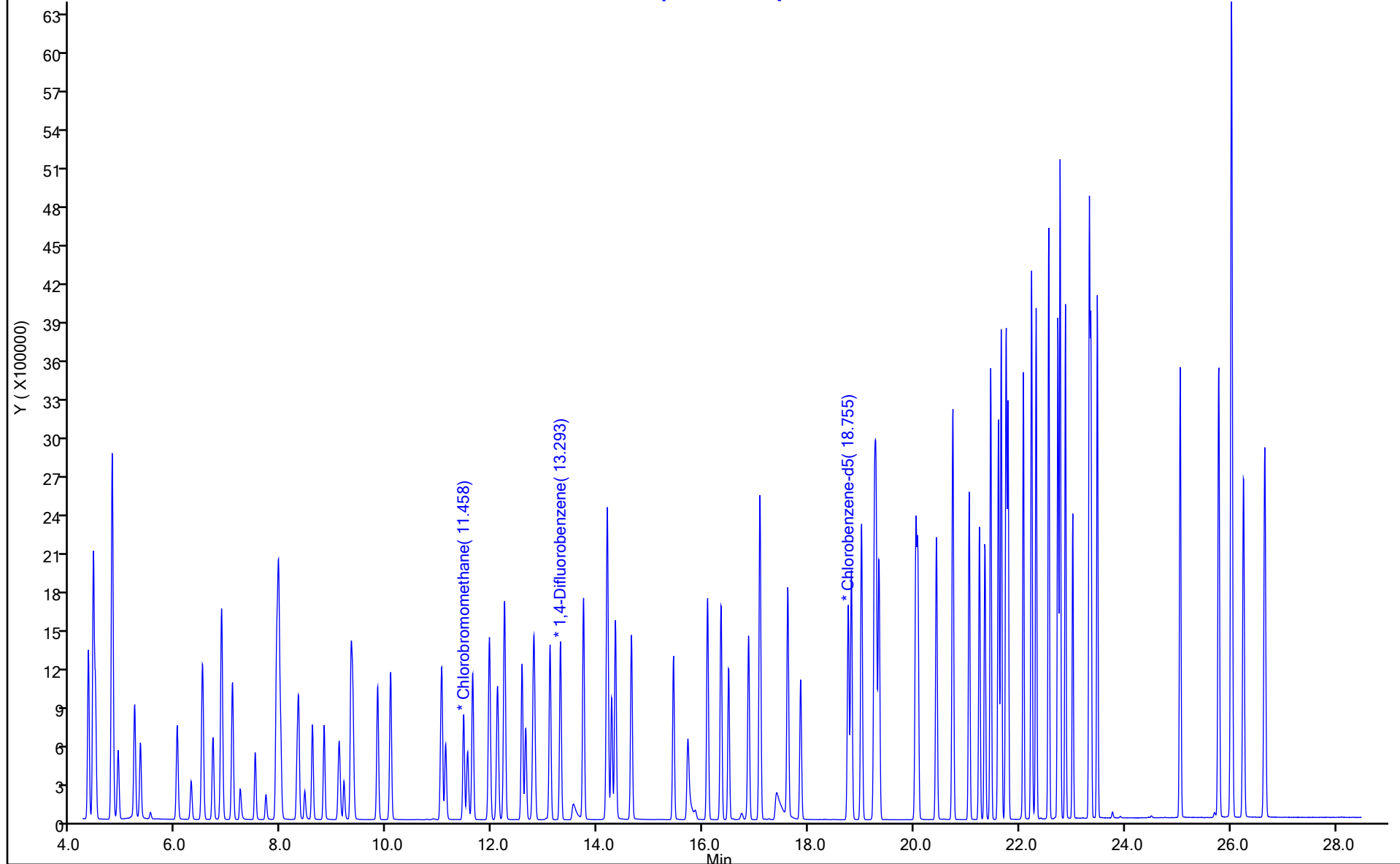
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

52891-02[MS SCAN Chro]:Total



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Lab Sample ID: CCVIS 200-184789/2 Calibration Date: 10/18/2022 10:25
 Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42
 Lab File ID: 52909-02.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
Propylene	Ave	2.804	3.608		12.9	10.0	28.7	30.0
Dichlorodifluoromethane	Ave	7.418	9.642		13.0	10.0	30.0	30.0
Freon 22	Ave	4.838	5.743		11.9	10.0	18.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	7.116	7.424		10.4	10.0	4.3	30.0
Chloromethane	Ave	2.628	2.297		8.74	10.0	-12.6	30.0
Vinyl chloride	Ave	1.722	1.675		9.72	10.0	-2.7	30.0
n-Butane	Ave	2.048	2.251		11.0	10.0	9.9	30.0
1,3-Butadiene	Ave	1.304	1.206		9.25	10.0	-7.5	30.0
Bromomethane	Ave	2.173	1.824		8.39	10.0	-16.1	30.0
Chloroethane	Ave	1.175	0.9303		7.91	10.0	-20.9	30.0
Isopentane	Ave	2.640	2.070		7.84	10.0	-21.6	30.0
Bromoethene (Vinyl Bromide)	Ave	2.001	1.796		8.97	10.0	-10.2	30.0
Trichlorofluoromethane	Ave	6.312	6.969		11.0	10.0	10.4	30.0
n-Pentane	Ave	3.169	2.601		8.21	10.0	-17.9	30.0
Ethanol	Ave	0.7345	0.6318		12.9	15.0	-14.0	30.0
Ethyl ether	Ave	1.291	1.079		8.35	10.0	-16.4	30.0
Acrolein	Ave	0.6694	0.5701		8.51	10.0	-14.8	30.0
1,1-Dichloroethene	Ave	1.924	1.606		8.35	10.0	-16.5	30.0
Freon TF	Ave	3.773	3.790		10.0	10.0	0.4	30.0
Acetone	Ave	2.465	2.611		10.6	10.0	5.9	30.0
Isopropyl alcohol	Ave	2.630	2.421		9.21	10.0	-7.9	30.0
Carbon disulfide	Ave	4.332	4.134		9.54	10.0	-4.6	30.0
Acetonitrile	Ave	0.8734	0.8031		9.19	10.0	-8.0	30.0
3-Chloropropene	Ave	1.823	1.611		8.83	10.0	-11.7	30.0
Methylene Chloride	Ave	1.544	1.544		10.0	10.0	-0.0	30.0
tert-Butyl alcohol	Ave	3.244	3.132		9.65	10.0	-3.4	30.0
Acrylonitrile	Ave	0.8660	0.8316		9.60	10.0	-4.0	30.0
trans-1,2-Dichloroethene	Ave	2.310	2.172		9.40	10.0	-6.0	30.0
Methyl tert-butyl ether	Ave	4.874	4.905		10.1	10.0	0.6	30.0
n-Hexane	Ave	2.167	1.876		8.66	10.0	-13.4	30.0
1,1-Dichloroethane	Ave	2.817	2.508		8.90	10.0	-11.0	30.0
Vinyl acetate	Ave	3.182	3.000		9.43	10.0	-5.7	30.0
Methyl Ethyl Ketone	Ave	0.7199	0.6578		9.13	10.0	-8.6	30.0
cis-1,2-Dichloroethene	Ave	1.779	1.540		8.66	10.0	-13.4	30.0
Ethyl acetate	Ave	0.1334	0.1239		9.29	10.0	-7.1	30.0
Tetrahydrofuran	Ave	0.2582	0.2557		9.90	10.0	-1.0	30.0
Chloroform	Ave	3.693	3.709		10.0	10.0	0.4	30.0
1,1,1-Trichloroethane	Ave	0.8602	0.9425		11.0	10.0	9.6	30.0
Cyclohexane	Ave	0.4286	0.3890		9.08	10.0	-9.2	30.0
Carbon tetrachloride	Ave	0.9682	1.090		11.3	10.0	12.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1

SDG No.: 200-65325

Lab Sample ID: CCVIS 200-184789/2 Calibration Date: 10/18/2022 10:25

Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42

Lab File ID: 52909-02.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
Benzene	Ave	0.9582	0.8552		8.92	10.0	-10.8	30.0
1,2-Dichloroethane	Ave	0.5371	0.5793		10.8	10.0	7.9	30.0
2,2,4-Trimethylpentane	Ave	1.377	1.249		9.07	10.0	-9.3	30.0
n-Heptane	Ave	0.4810	0.4267		8.87	10.0	-11.3	30.0
n-Butanol	Ave	0.1592	0.1262		7.93	10.0	-20.7	30.0
Trichloroethene	Ave	0.4987	0.4868		9.76	10.0	-2.4	30.0
1,2-Dichloropropane	Ave	0.3187	0.2982		9.35	10.0	-6.4	30.0
Methyl methacrylate	Ave	0.3064	0.3059		9.98	10.0	-0.2	30.0
Dibromomethane	Ave	0.4643	0.5270		11.3	10.0	13.5	30.0
1,4-Dioxane	Ave	0.1777	0.1477		8.31	10.0	-16.9	30.0
Bromodichloromethane	Ave	0.7844	0.8632		11.0	10.0	10.0	30.0
cis-1,3-Dichloropropene	Ave	0.6023	0.5874		9.75	10.0	-2.5	30.0
Methyl isobutyl ketone	Ave	0.5704	0.5653		9.91	10.0	-0.9	30.0
Toluene	Ave	0.8007	0.7419		9.26	10.0	-7.4	30.0
n-Octane	Ave	0.6581	0.6069		9.22	10.0	-7.8	30.0
trans-1,3-Dichloropropene	Ave	0.5445	0.5814		10.7	10.0	6.8	30.0
1,1,2-Trichloroethane	Ave	0.3684	0.3494		9.48	10.0	-5.2	30.0
Tetrachloroethene	Ave	0.8309	0.8350		10.0	10.0	0.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5258	0.4619		8.78	10.0	-12.1	30.0
Dibromochloromethane	Ave	0.9003	1.068		11.9	10.0	18.7	30.0
1,2-Dibromoethane	Ave	0.7297	0.7509		10.3	10.0	2.9	30.0
Chlorobenzene	Ave	1.135	1.120		9.87	10.0	-1.3	30.0
Ethylbenzene	Ave	1.811	1.783		9.85	10.0	-1.5	30.0
m,p-Xylene	Ave	0.7177	0.7266		20.2	20.0	1.2	30.0
n-Nonane	Ave	0.7225	0.6871		9.51	10.0	-4.9	30.0
Xylene, o-	Ave	0.7016	0.6911		9.85	10.0	-1.5	30.0
Styrene	Ave	1.006	1.102		11.0	10.0	9.6	30.0
Bromoform	Ave	0.8891	1.136		12.8	10.0	27.7	30.0
Cumene	Ave	2.166	2.240		10.3	10.0	3.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9269	0.9066		9.78	10.0	-2.2	30.0
1,2,3-Trichloropropane	Ave	0.7975	0.8221		10.3	10.0	3.1	30.0
n-Propylbenzene	Ave	2.460	2.581		10.5	10.0	4.9	30.0
2-Chlorotoluene	Ave	1.587	1.647		10.4	10.0	3.8	30.0
4-Ethyltoluene	Ave	2.110	2.266		10.7	10.0	7.4	30.0
1,3,5-Trimethylbenzene	Ave	1.860	1.998		10.7	10.0	7.5	30.0
n-Decane	Ave	0.9230	0.9486		10.3	10.0	2.8	30.0
Alpha Methyl Styrene	Ave	0.8431	0.9897		11.7	10.0	17.4	30.0
tert-Butylbenzene	Ave	1.875	2.039		10.9	10.0	8.7	30.0
1,2,4-Trimethylbenzene	Ave	1.849	2.023		10.9	10.0	9.4	30.0
sec-Butylbenzene	Ave	2.654	2.878		10.8	10.0	8.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65325-1
 SDG No.: 200-65325
 Lab Sample ID: CCVIS 200-184789/2 Calibration Date: 10/18/2022 10:25
 Instrument ID: CHX.i Calib Start Date: 10/04/2022 17:51
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 10/05/2022 01:42
 Lab File ID: 52909-02.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
1,3-Dichlorobenzene	Ave	1.266	1.426		11.3	10.0	12.6	30.0
4-Isopropyltoluene	Ave	2.356	2.663		11.3	10.0	13.0	30.0
1,4-Dichlorobenzene	Ave	1.261	1.436		11.4	10.0	13.8	30.0
Benzyl chloride	Ave	0.8546	1.380		16.1	10.0	61.5*	30.0
n-Butylbenzene	Ave	2.029	2.267		11.2	10.0	11.8	30.0
1,2-Dichlorobenzene	Ave	1.235	1.405		11.4	10.0	13.8	30.0
n-Undecane	Ave	1.032	1.128		10.9	10.0	9.3	30.0
n-Dodecane	Ave	1.032	1.093		10.6	10.0	6.0	30.0
1,2,4-Trichlorobenzene	Ave	1.220	1.343		11.0	10.0	10.1	30.0
Hexachlorobutadiene	Ave	1.355	1.771		13.1	10.0	30.7*	30.0
Naphthalene	Ave	2.409	2.560		10.6	10.0	6.3	30.0
1,2,3-Trichlorobenzene	Ave	1.067	1.224		11.5	10.0	14.7	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-02.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 18-Oct-2022 10:25:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052909-002
 Operator ID: vtp Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Oct-2022 08:55:15 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1633

First Level Reviewer: bunmaa

Date: 19-Oct-2022 08:55:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.333	4.333	0.000	99	676316	10.0	12.9	
3 Dichlorodifluoromethane	85	4.429	4.429	0.000	99	1807372	10.0	13.0	
4 Chlorodifluoromethane	51	4.466	4.466	0.000	97	1076570	10.0	11.9	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.787	4.787	0.000	94	1391620	10.0	10.4	
6 Chloromethane	50	4.900	4.900	0.000	99	430509	10.0	8.74	
7 Vinyl chloride	62	5.205	5.205	0.000	98	314000	10.0	9.72	
8 Butane	43	5.215	5.215	0.000	95	422029	10.0	11.0	
9 Butadiene	54	5.322	5.322	0.000	96	226140	10.0	9.25	
11 BFB									
10 Bromomethane	94	6.018	6.018	0.000	98	341927	10.0	8.39	
12 Chloroethane	64	6.285	6.285	0.000	99	174375	10.0	7.91	
13 2-Methylbutane	43	6.499	6.499	0.000	89	387995	10.0	7.84	
14 Vinyl bromide	106	6.697	6.697	0.000	97	336700	10.0	8.97	
15 Trichlorofluoromethane	101	6.863	6.863	0.000	99	1306298	10.0	11.0	
16 Pentane	43	7.072	7.072	0.000	94	487582	10.0	8.21	
17 Ethanol	45	7.216	7.216	0.000	98	177710	15.0	12.9	
18 Ethyl ether	59	7.500	7.500	0.000	96	202174	10.0	8.35	
19 Acrolein	56	7.703	7.703	0.000	99	106862	10.0	8.51	
20 1,1-Dichloroethene	96	7.901	7.901	0.000	96	300971	10.0	8.35	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.944	7.944	0.000	96	710359	10.0	10.0	
22 Acetone	43	7.981	7.981	0.000	100	489503	10.0	10.6	
23 Isopropyl alcohol	45	8.291	8.291	0.000	98	453872	10.0	9.21	
24 Carbon disulfide	76	8.323	8.323	0.000	99	774851	10.0	9.54	
25 Acetonitrile	41	8.441	8.441	0.000	97	150536	10.0	9.19	
27 3-Chloro-1-propene	41	8.586	8.586	0.000	92	301936	10.0	8.83	
28 Methylene Chloride	49	8.810	8.810	0.000	92	289347	10.0	10.0	
29 2-Methyl-2-propanol	59	9.094	9.094	0.000	96	587026	10.0	9.65	
30 Acrylonitrile	53	9.185	9.185	0.000	93	155884	10.0	9.60	
32 trans-1,2-Dichloroethene	61	9.318	9.318	0.000	98	407141	10.0	9.40	
31 Methyl tert-butyl ether	73	9.345	9.345	0.000	95	919387	10.0	10.1	
S 33 1,2-Dichloroethene, Total	61				0		20.0	18.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.827	9.827	0.000	88	351645	10.0	8.66	
36 1,1-Dichloroethane	63	10.062	10.062	0.000	99	470079	10.0	8.90	
35 Vinyl acetate	43	10.073	10.073	0.000	99	562415	10.0	9.43	
37 2-Butanone (MEK)	72	11.025	11.025	0.000	99	123294	10.0	9.13	
38 cis-1,2-Dichloroethene	96	11.041	11.041	0.000	94	288700	10.0	8.66	
39 Ethyl acetate	88	11.111	11.111	0.000	99	23231	10.0	9.29	
* 40 Chlorobromomethane	128	11.458	11.458	0.000	76	187480	10.0	10.0	s
41 Tetrahydrofuran	42	11.528	11.528	0.000	84	232601	10.0	9.90	
42 Chloroform	83	11.630	11.630	0.000	98	695295	10.0	10.0	
43 1,1,1-Trichloroethane	97	11.945	11.945	0.000	95	857481	10.0	11.0	
44 Cyclohexane	84	12.100	12.100	0.000	92	353936	10.0	9.08	
45 Carbon tetrachloride	117	12.234	12.234	0.000	99	991526	10.0	11.3	
46 Benzene	78	12.566	12.566	0.000	97	778006	10.0	8.92	
47 1,2-Dichloroethane	62	12.635	12.635	0.000	98	527070	10.0	10.8	
48 Isooctane	57	12.790	12.790	0.000	96	1136520	10.0	9.07	
49 n-Heptane	43	13.095	13.095	0.000	84	388176	10.0	8.87	
* 50 1,4-Difluorobenzene	114	13.293	13.293	0.000	94	909945	10.0	10.0	s
51 n-Butanol	56	13.539	13.539	0.000	91	114854	10.0	7.93	
52 Trichloroethene	95	13.732	13.732	0.000	98	442853	10.0	9.76	
A 53 GRO	1	14.141	(6.489-21.793)	0	150445065	649.9	0	0	
55 1,2-Dichloropropane	63	14.181	14.181	0.000	70	271275	10.0	9.35	
56 Methyl methacrylate	69	14.262	14.262	0.000	91	278308	10.0	9.98	
58 Dibromomethane	174	14.336	14.336	0.000	91	479458	10.0	11.3	
57 1,4-Dioxane	88	14.347	14.347	0.000	91	134357	10.0	8.31	
59 Dichlorobromomethane	83	14.641	14.641	0.000	99	785270	10.0	11.0	
60 cis-1,3-Dichloropropene	75	15.439	15.439	0.000	97	534411	10.0	9.75	
A 61 TVOC as Toluene	92	15.495	(4.323-26.667)	0	253077191	899.8	0	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.711	15.711	0.000	97	514296	10.0	9.91	M
A 64 Toluene Range	1	16.086	(16.016-16.155)	0	2612715	NC	NC	NC	
63 Toluene	92	16.086	16.086	0.000	94	627824	10.0	9.26	
66 n-Octane	43	16.337	16.337	0.000	83	552141	10.0	9.22	
A 65 C8 Range	1	16.343	(16.273-16.412)	0	2578288	NC	NC	NC	
67 trans-1,3-Dichloropropene	75	16.482	16.482	0.000	97	528927	10.0	10.7	
68 1,1,2-Trichloroethane	83	16.862	16.862	0.000	97	295668	10.0	9.48	
69 Tetrachloroethene	166	17.076	17.076	0.000	94	706631	10.0	10.0	
70 2-Hexanone	43	17.391	17.391	0.000	94	390943	10.0	8.78	M
71 Chlorodibromomethane	129	17.605	17.605	0.000	97	904248	10.0	11.9	
72 Ethylene Dibromide	107	17.851	17.851	0.000	97	635504	10.0	10.3	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	88	846458	10.0	10.0	s
74 Chlorobenzene	112	18.814	18.814	0.000	94	948045	10.0	9.87	
75 Ethylbenzene	91	19.007	19.007	0.000	99	1509324	10.0	9.85	
76 m-Xylene & p-Xylene	106	19.269	19.269	0.000	0	1229912	20.0	20.2	
77 n-Nonane	57	19.333	19.333	0.000	83	581488	10.0	9.51	
S 78 Xylenes, Total	106				0		30.0	30.1	
79 o-Xylene	106	20.039	20.039	0.000	99	584905	10.0	9.85	
80 Styrene	104	20.071	20.071	0.000	99	932813	10.0	11.0	
81 Bromoform	173	20.424	20.424	0.000	97	960987	10.0	12.8	
82 Isopropylbenzene	105	20.740	20.740	0.000	98	1895690	10.0	10.3	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	96	767209	10.0	9.78	
84 1,2,3-Trichloropropane	75	21.345	21.345	0.000	94	695699	10.0	10.3	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	2184012	10.0	10.5	
86 2-Chlorotoluene	91	21.601	21.601	0.000	97	1393873	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.655	21.655	0.000	98	1917351	10.0	10.7	
88 1,3,5-Trimethylbenzene	105	21.746	21.746	0.000	93	1690996	10.0	10.7	
89 n-Decane	57	21.783	21.783	0.000	96	802794	10.0	10.3	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	89	837587	10.0	11.7	
91 tert-Butylbenzene	119	22.233	22.233	0.000	93	1725929	10.0	10.9	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	1711926	10.0	10.9	
93 sec-Butylbenzene	105	22.559	22.559	0.000	97	2435839	10.0	10.8	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	98	1206753	10.0	11.3	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	96	2253477	10.0	11.3	
96 1,4-Dichlorobenzene	146	22.875	22.875	0.000	95	1215001	10.0	11.4	
97 Benzyl chloride	91	23.014	23.014	0.000	98	1168040	10.0	16.1	
98 n-Butylbenzene	91	23.329	23.329	0.000	97	1918614	10.0	11.2	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	1189018	10.0	11.4	
100 Undecane	57	23.479	23.479	0.000	92	954441	10.0	10.9	
101 Dodecane	57	25.052	25.052	0.000	92	925256	10.0	10.6	
102 1,2,4-Trichlorobenzene	180	25.785	25.785	0.000	94	1136493	10.0	11.0	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	98	1498552	10.0	13.1	
104 Naphthalene	128	26.250	26.250	0.000	99	2166605	10.0	10.6	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	1035933	10.0	11.5	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL4w_00792

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 19-Oct-2022 08:55:15

Chrom Revision: 2.3 28-Sep-2022 12:57:42

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-02.D

Injection Date: 18-Oct-2022 10:25:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 1

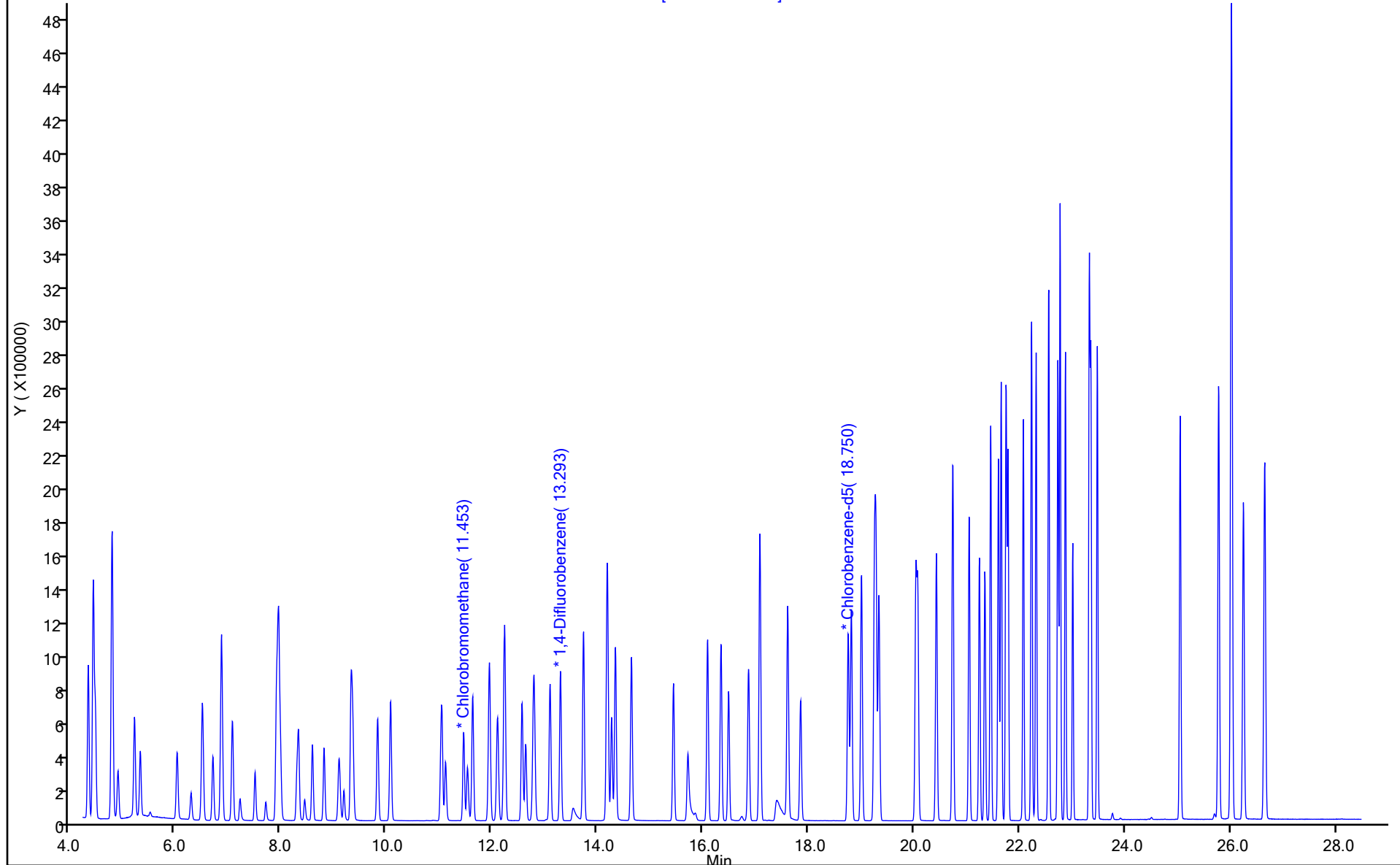
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

52909-02[MS SCAN Chro]:Total



Eurofins Burlington

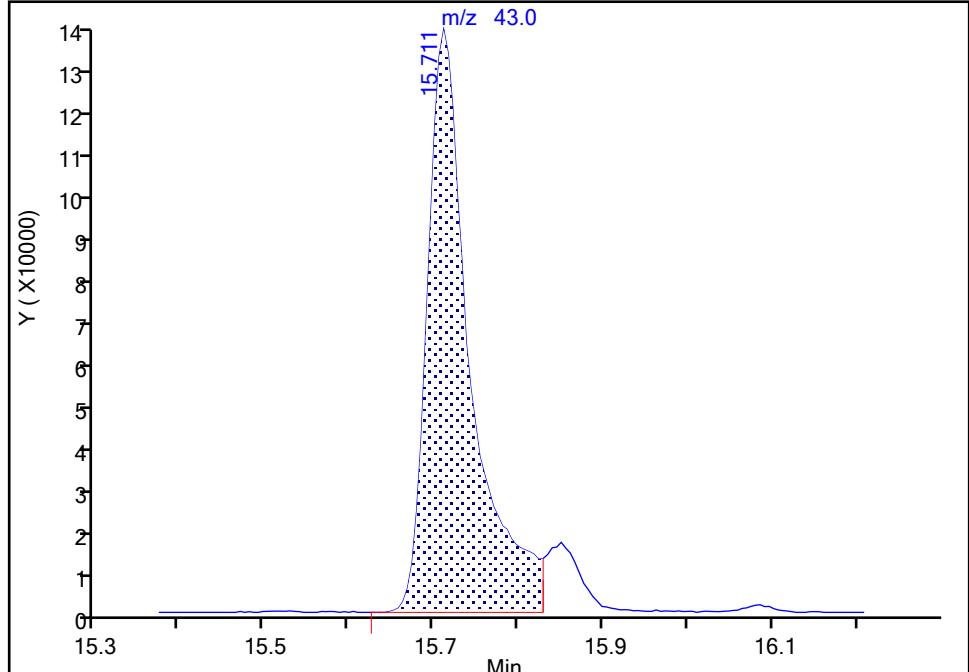
Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-02.D
Injection Date: 18-Oct-2022 10:25:30 Instrument ID: CHX.i
Lims ID: ccvis
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

62 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

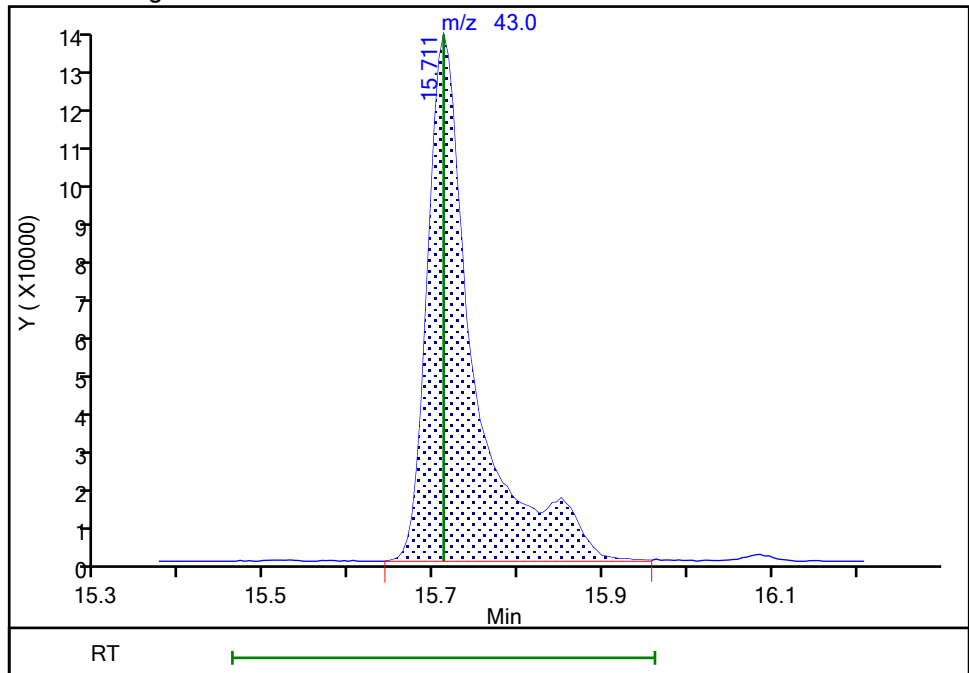
RT: 15.71
Area: 471604
Amount: 9.086356
Amount Units: ppb v/v

Processing Integration Results



RT: 15.71
Area: 514296
Amount: 9.908900
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 19-Oct-2022 08:52:49

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

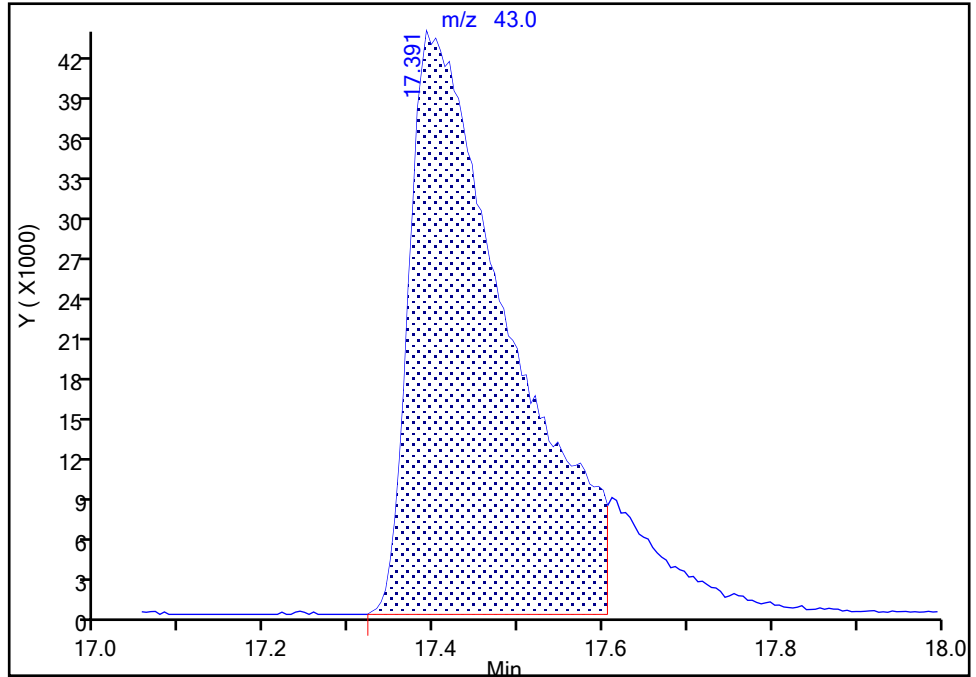
Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-02.D
Injection Date: 18-Oct-2022 10:25:30 Instrument ID: CHX.i
Lims ID: ccvis
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

70 2-Hexanone, CAS: 591-78-6

Signal: 1

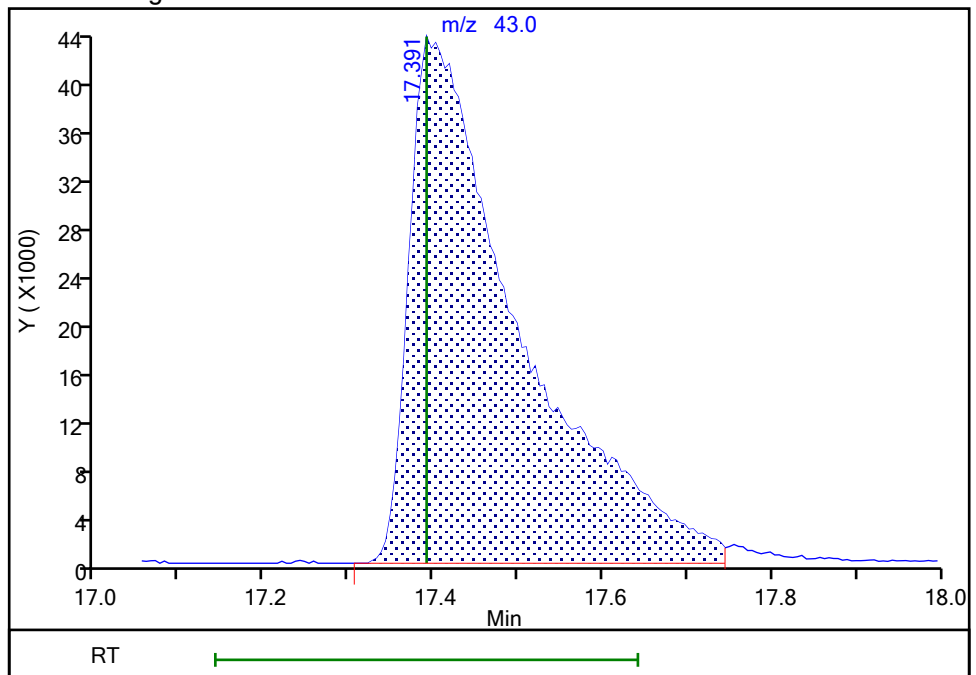
RT: 17.39
Area: 354231
Amount: 7.959491
Amount Units: ppb v/v

Processing Integration Results



RT: 17.39
Area: 390943
Amount: 8.784401
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 19-Oct-2022 08:54:39
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 320 of 450

10/20/2022

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 04-Oct-2022 15:20:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0052704-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Oct-2022 08:15:50 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1670

First Level Reviewer: V0FK

Date: 05-Oct-2022 08:04:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

11 BFB

* 40 Chlorobromomethane	128	11.458				10.0	ND
* 50 1,4-Difluorobenzene	114	13.299				10.0	ND
* 73 Chlorobenzene-d5	117	18.755				10.0	ND

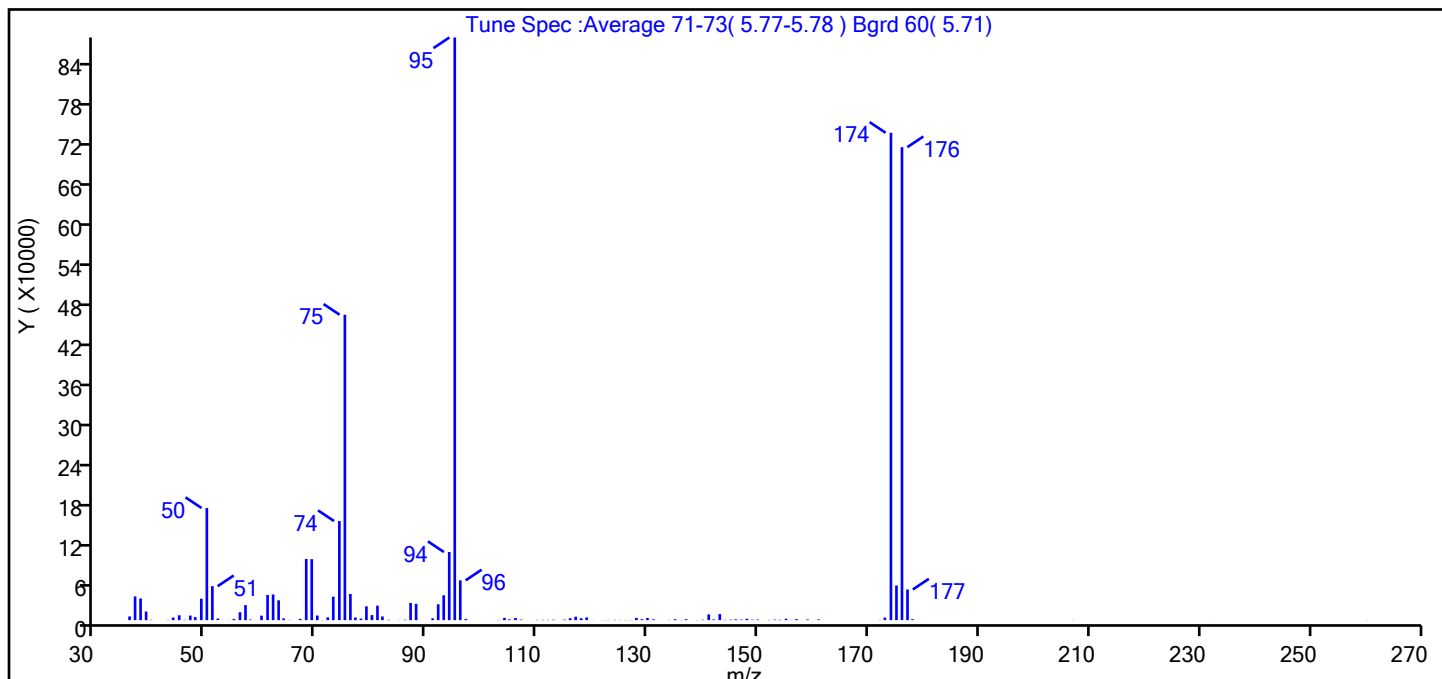
Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-01.D
Injection Date: 04-Oct-2022 15:20:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	19.2
75	30.0 to 66.0 Percent of m/e 95	52.4
96	5.0 to 9.0 Percent of m/e 95	6.8
173	Less than 2.0 Percent of m/e 174	0.4 (0.5)
174	50.0 to 120.0 Percent of m/e 95	83.6
175	4.0 to 9.0 Percent of m/e 174	5.9 (7.1)
176	93.0 to 101.0 Percent of m/e 174	81.2 (97.0)
177	5.0 to 9.0 Percent of m/e 176	5.3 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-01.D\TO15_MasterMethod_X.m.rsl\tspe
Injection Date: 04-Oct-2022 15:20:30
Spectrum: Tune Spec :Average 71-73(5.77-5.78) Bgrd 60(5.71)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5573	69.00	91688	106.00	3260	142.00	1063
37.00	35656	70.00	6930	107.00	798	143.00	9047
38.00	32544	71.00	201	110.00	447	144.00	507
39.00	13015	72.00	4174	111.00	575	145.00	720
40.00	485	73.00	35248	112.00	442	146.00	1280
43.00	334	74.00	148928	113.00	673	147.00	776
44.00	3945	75.00	459008	115.00	800	148.00	2067
45.00	7289	76.00	39312	116.00	2913	149.00	681
46.00	478	77.00	3908	117.00	5144	150.00	919
47.00	6850	78.00	2307	118.00	2919	151.00	69
48.00	4583	79.00	20744	119.00	4054	152.00	407
49.00	32200	80.00	7615	120.00	125	153.00	746
50.00	168512	81.00	21760	122.00	202	154.00	579
51.00	51040	82.00	5571	123.00	254	155.00	2110
52.00	2373	83.00	588	124.00	460	156.00	301
53.00	51	85.00	180	125.00	302	157.00	1569
54.00	156	86.00	683	126.00	306	158.00	81
55.00	1832	87.00	25856	127.00	263	159.00	1036
56.00	11858	88.00	24504	128.00	3377	161.00	1094
57.00	22616	91.00	2733	129.00	1393	172.00	334
58.00	909	92.00	23848	130.00	3266	173.00	3830
59.00	119	93.00	37344	131.00	1211	174.00	732416
60.00	6786	94.00	102344	132.00	107	175.00	52056
61.00	37808	95.00	875648	134.00	286	176.00	710784
62.00	38624	96.00	59768	135.00	1418	177.00	46072
63.00	29808	97.00	1818	136.00	239	178.00	1373
64.00	2612	100.00	73	137.00	1431	207.00	193
65.00	321	103.00	305	139.00	286	208.00	49
67.00	1902	104.00	3389	140.00	570	232.00	52
68.00	91952	105.00	1187	141.00	8628	260.00	210

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-01.D

Injection Date: 04-Oct-2022 15:20:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

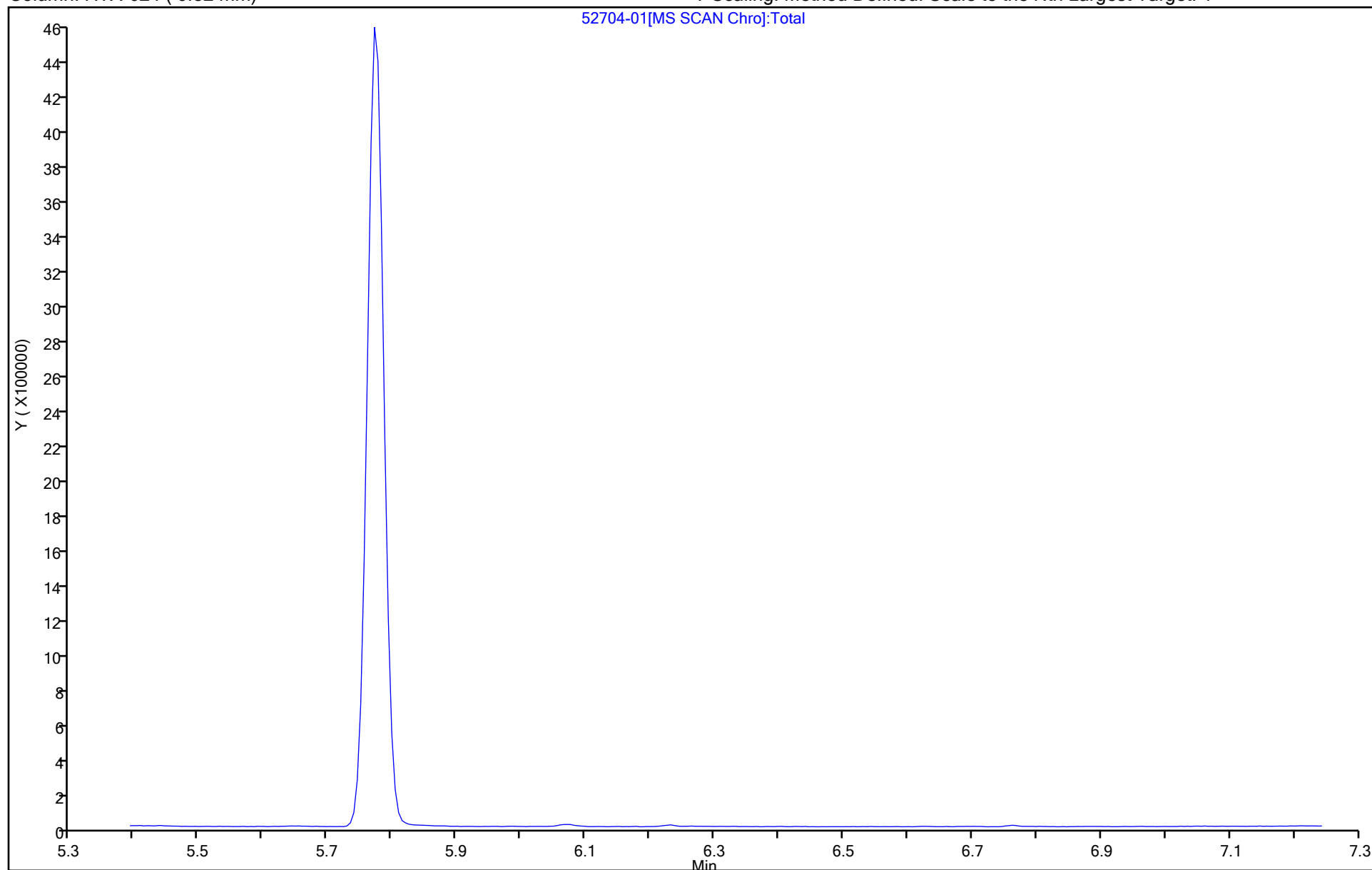
ALS Bottle#: 1

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 18-Oct-2022 09:32:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0052909-001
 Misc. Info.: bfb
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Oct-2022 08:51:21 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1633

First Level Reviewer: bunmaa

Date: 19-Oct-2022 08:51:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

11 BFB

* 40 Chlorobromomethane	128		11.458				10.0	ND
* 50 1,4-Difluorobenzene	114		13.293				10.0	ND
* 73 Chlorobenzene-d5	117		18.755				10.0	ND

QC Flag Legend

Processing Flags

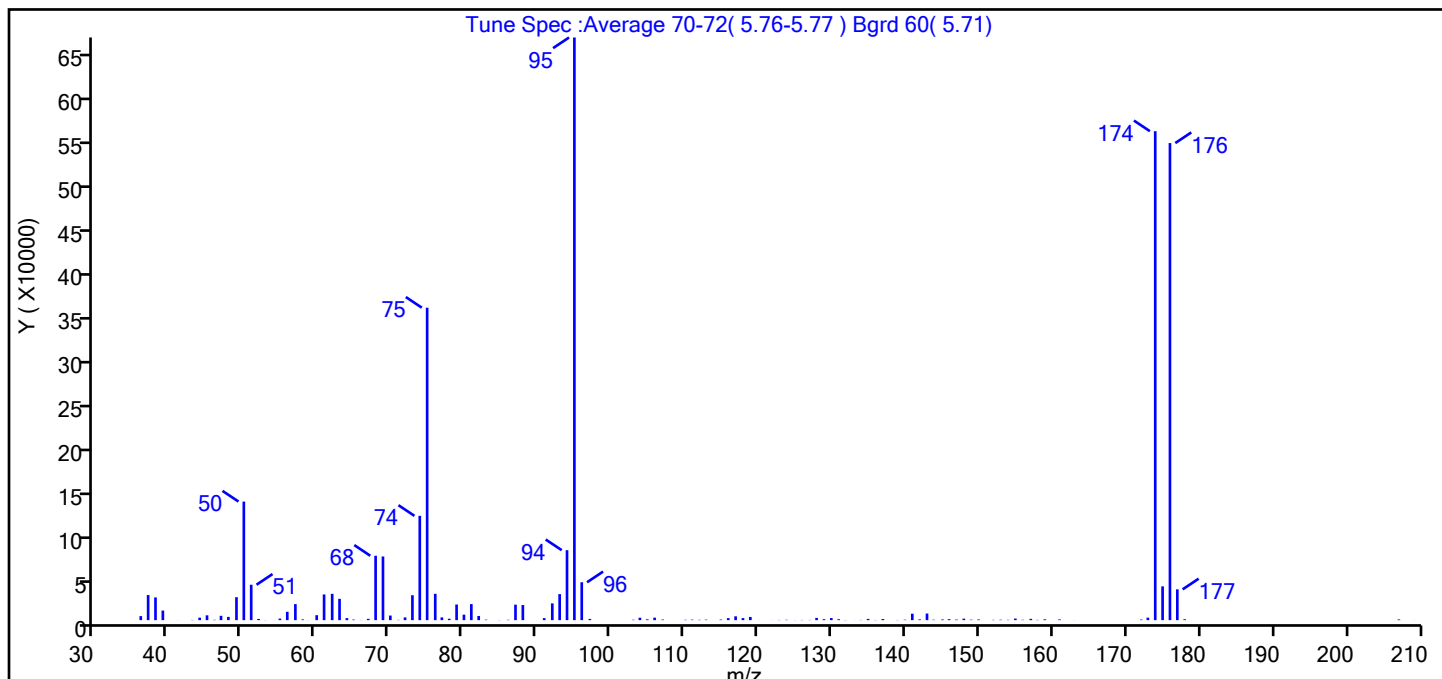
Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-01.D
Injection Date: 18-Oct-2022 09:32:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	20.4
75	30.0 to 66.0 Percent of m/e 95	53.6
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.4 (0.5)
174	50.0 to 120.0 Percent of m/e 95	83.9
175	4.0 to 9.0 Percent of m/e 174	5.8 (6.9)
176	93.0 to 101.0 Percent of m/e 174	81.9 (97.6)
177	5.0 to 9.0 Percent of m/e 176	5.3 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-01.D\TO15_MasterMethod_X.m.rsl\tspe
Injection Date: 18-Oct-2022 09:32:30
Spectrum: Tune Spec :Average 70-72(5.76-5.77) Bgrd 60(5.71)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4603	67.00	1466	105.00	924	140.00	488
37.00	28584	68.00	73288	106.00	2809	141.00	7347
38.00	25872	69.00	72464	107.00	681	142.00	839
39.00	10923	70.00	5224	110.00	399	143.00	7535
40.00	33	71.00	288	111.00	576	144.00	461
41.00	60	72.00	3152	112.00	386	145.00	794
43.00	226	73.00	28376	113.00	568	146.00	1124
44.00	2837	74.00	118704	115.00	663	147.00	675
45.00	5499	75.00	355648	116.00	2266	148.00	1703
46.00	399	76.00	30000	117.00	4359	149.00	514
47.00	4911	77.00	3134	118.00	2357	150.00	767
48.00	3701	78.00	1587	119.00	3627	152.00	332
49.00	26104	79.00	17784	120.00	57	153.00	490
50.00	134976	80.00	6240	122.00	55	154.00	378
51.00	40320	81.00	18280	123.00	211	155.00	1782
52.00	1373	82.00	4691	124.00	415	156.00	400
53.00	122	83.00	558	125.00	103	157.00	1470
54.00	60	85.00	155	126.00	220	158.00	314
55.00	1759	86.00	434	127.00	238	159.00	953
56.00	9500	87.00	17624	128.00	2557	161.00	866
57.00	18224	88.00	17192	129.00	1103	163.00	65
58.00	802	91.00	2316	130.00	2352	172.00	638
59.00	104	92.00	19072	131.00	1046	173.00	2850
60.00	5632	93.00	29624	132.00	174	174.00	556544
61.00	29248	94.00	79656	133.00	51	175.00	38456
62.00	29936	95.00	663232	134.00	231	176.00	543040
63.00	24232	96.00	43128	135.00	1389	177.00	35048
64.00	2305	97.00	1397	136.00	181	178.00	980
65.00	656	103.00	449	137.00	1288	207.00	835
66.00	130	104.00	2757	139.00	174	209.00	52

Report Date: 19-Oct-2022 08:51:21

Chrom Revision: 2.3 28-Sep-2022 12:57:42

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-01.D

Injection Date: 18-Oct-2022 09:32:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

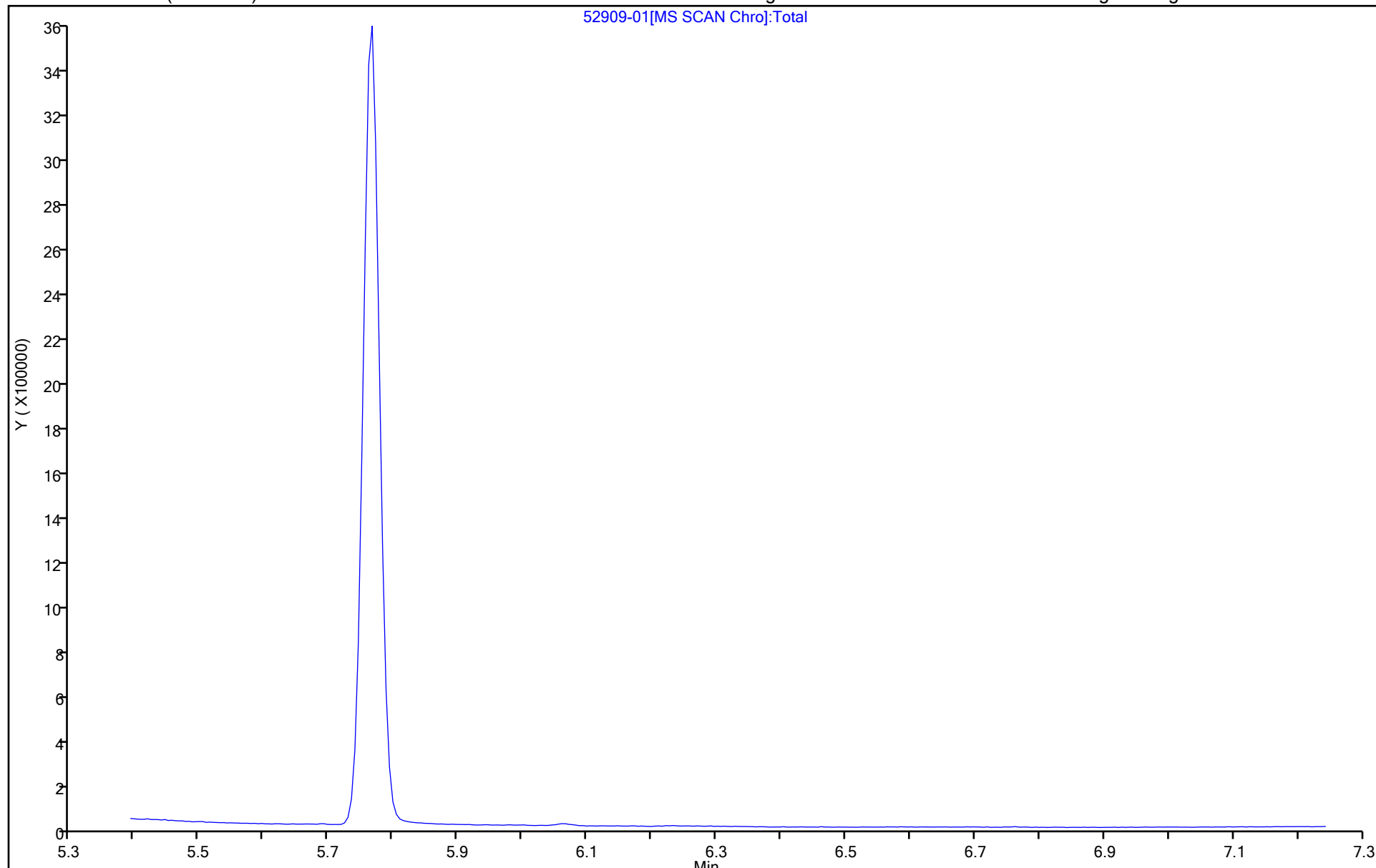
ALS Bottle#: 1

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: _____ Lab Sample ID: MB 200-184744/4
Matrix: Air Lab File ID: 52891-04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 09:12
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.021

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: _____ Lab Sample ID: MB 200-184744/4
Matrix: Air Lab File ID: 52891-04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 09:12
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.14

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 17-Oct-2022 09:12:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052891-004
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Oct-2022 12:12:58 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1641

First Level Reviewer: V0FK

Date: 17-Oct-2022 12:26:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.338					ND	7
3 Dichlorodifluoromethane	85		4.429					ND	7
4 Chlorodifluoromethane	51		4.471					ND	7
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.787					ND	7
6 Chloromethane	50	4.899	4.899	0.000	76	3594		0.0529	
7 Vinyl chloride	62	5.210	5.210	0.000	66	670		0.0150	
8 Butane	43		5.220					ND	7
9 Butadiene	54		5.322					ND	7
10 Bromomethane	94		6.023					ND	7
12 Chloroethane	64		6.285					ND	7
13 2-Methylbutane	43		6.499					ND	7
14 Vinyl bromide	106		6.697					ND	7
15 Trichlorofluoromethane	101		6.863					ND	7
16 Pentane	43		7.071					ND	7
17 Ethanol	45	7.285	7.216	0.069	98	6476		0.3409	
18 Ethyl ether	59		7.499					ND	
19 Acrolein	56		7.708					ND	
20 1,1-Dichloroethene	96	7.911	7.906	0.005	67	798		0.0160	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		7.943					ND	7
22 Acetone	43		7.986					ND	7
23 Isopropyl alcohol	45	8.371	8.297	0.075	98	8015		0.1179	
24 Carbon disulfide	76	8.323	8.323	0.000	99	4414		0.0394	
25 Acetonitrile	41		8.441					ND	7
27 3-Chloro-1-propene	41		8.585					ND	7
28 Methylene Chloride	49		8.810					ND	7
29 2-Methyl-2-propanol	59		9.094					ND	
30 Acrylonitrile	53		9.185					ND	7
32 trans-1,2-Dichloroethene	61	9.324	9.318	0.006	93	863		0.0144	
31 Methyl tert-butyl ether	73		9.350					ND	7
S 33 1,2-Dichloroethene, Total	61		9.665					ND	7
34 Hexane	57		9.827					ND	7
36 1,1-Dichloroethane	63		10.062					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		10.078					ND	
37 2-Butanone (MEK)	72		11.025					ND	7
38 cis-1,2-Dichloroethene	96		11.041					ND	7
39 Ethyl acetate	88		11.116					ND	
* 40 Chlorobromomethane	128	11.458	11.458	0.000	76	258623	10.0	10.0	
41 Tetrahydrofuran	42		11.533					ND	7
42 Chloroform	83		11.624					ND	
43 1,1,1-Trichloroethane	97		11.945					ND	7
44 Cyclohexane	84		12.100					ND	7
45 Carbon tetrachloride	117	12.245	12.234	0.011	54	722		0.005682	
46 Benzene	78		12.566					ND	7
47 1,2-Dichloroethane	62		12.635					ND	
48 Isooctane	57		12.790					ND	
49 n-Heptane	43		13.095					ND	7
* 50 1,4-Difluorobenzene	114	13.293	13.293	0.000	94	1312374	10.0	10.0	
51 n-Butanol	56		13.545					ND	7
52 Trichloroethene	95		13.732					ND	7
A 53 GRO	1	14.141	(6.489-21.793)		0	4966558		0	
55 1,2-Dichloropropane	63		14.181					ND	
56 Methyl methacrylate	69		14.261					ND	
58 Dibromomethane	174		14.336					ND	7
57 1,4-Dioxane	88		14.342					ND	
59 Dichlorobromomethane	83		14.641					ND	
60 cis-1,3-Dichloropropene	75		15.438					ND	7
A 61 TVOC as Toluene	92	15.497	(4.328-26.667)		0	5097664		0	
62 4-Methyl-2-pentanone (MIBK)	43		15.711					ND	
63 Toluene	92		16.086					ND	7
A 64 Toluene Range	1	16.086	(16.016-16.155)		0	7438		NC	
66 n-Octane	43		16.337					ND	7
A 65 C8 Range	1	16.337	(16.262-16.412)		0	3115		NC	
67 trans-1,3-Dichloropropene	75		16.482					ND	7
68 1,1,2-Trichloroethane	83		16.861					ND	
69 Tetrachloroethene	166		17.075					ND	7
70 2-Hexanone	43		17.396					ND	
71 Chlorodibromomethane	129		17.605					ND	7
72 Ethylene Dibromide	107		17.851					ND	7
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	1195308	10.0	10.0	
74 Chlorobenzene	112	18.809	18.814	-0.005	30	2603		0.0192	
75 Ethylbenzene	91	19.007	19.007	0.000	94	2679		0.0124	
76 m-Xylene & p-Xylene	106	19.279	19.274	0.005	0	1454		0.0169	
77 n-Nonane	57		19.338					ND	
S 78 Xylenes, Total	106				0			0.0169	7
79 o-Xylene	106		20.039					ND	7
80 Styrene	104	20.077	20.071	0.006	65	1468		0.0122	
81 Bromoform	173		20.430					ND	7
82 Isopropylbenzene	105		20.740					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.243					ND	7
84 1,2,3-Trichloropropane	75		21.344					ND	7
85 N-Propylbenzene	91		21.457					ND	7
86 2-Chlorotoluene	91		21.607					ND	7
87 4-Ethyltoluene	105	21.655	21.655	0.000	95	3292		0.0131	
88 1,3,5-Trimethylbenzene	105	21.746	21.751	-0.005	93	2120		0.009538	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.783					ND	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	87	1242		0.0123	
91 tert-Butylbenzene	119		22.232					ND	7
92 1,2,4-Trimethylbenzene	105	22.323	22.318	0.005	93	2408		0.0109	
93 sec-Butylbenzene	105		22.559					ND	7
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	96	4716		0.0312	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	95	2881		0.0102	
96 1,4-Dichlorobenzene	146	22.874	22.874	0.000	92	6017		0.0399	
97 Benzyl chloride	91	23.014	23.014	0.000	98	4132		0.0405	
98 n-Butylbenzene	91	23.329	23.329	0.000	96	3620		0.0149	
99 1,2-Dichlorobenzene	146	23.361	23.356	0.005	95	4897		0.0332	
100 Undecane	57		23.479					ND	7
101 Dodecane	57		25.052					ND	7
102 1,2,4-Trichlorobenzene	180	25.785	25.785	0.000	94	9466		0.0649	
103 Hexachlorobutadiene	225	26.031	26.025	0.006	93	3146		0.0194	
104 Naphthalene	128	26.255	26.255	0.000	98	14970		0.0520	
105 1,2,3-Trichlorobenzene	180	26.662	26.657	0.005	94	8502		0.0667	
113 Total Alkanes TIC	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	
115 1,2,3-Trimethylbenzene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-04.D

Injection Date: 17-Oct-2022 09:12:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

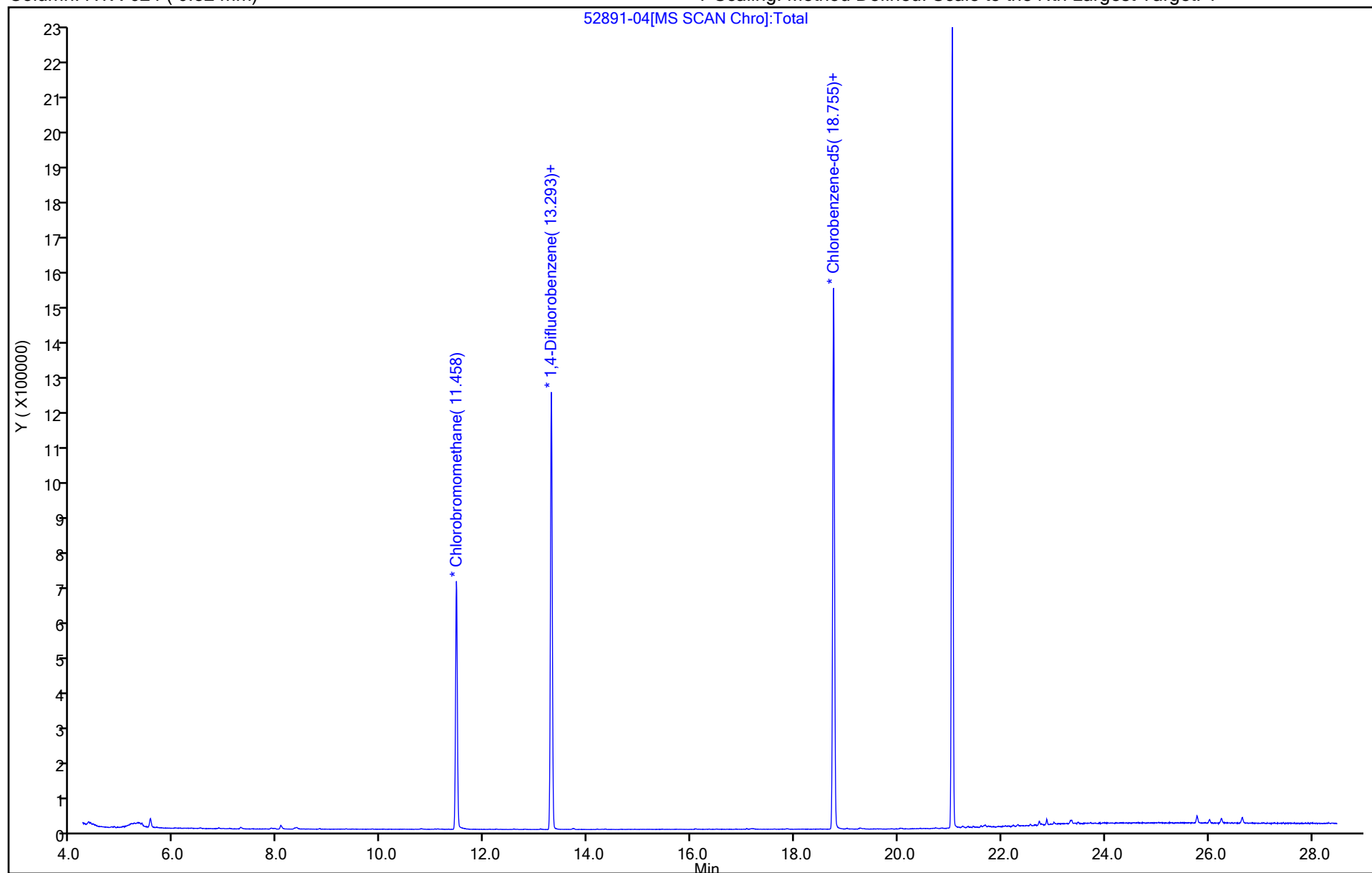
ALS Bottle#: 3

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: _____ Lab Sample ID: MB 200-184789/4
Matrix: Air Lab File ID: 52909-04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2022 12:10
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184789 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.021

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: _____ Lab Sample ID: MB 200-184789/4
Matrix: Air Lab File ID: 52909-04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2022 12:10
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184789 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.14

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 18-Oct-2022 12:10:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052909-004
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Oct-2022 09:06:37 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1633

First Level Reviewer: bunmaa

Date: 19-Oct-2022 09:06:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.333					ND	MU
3 Dichlorodifluoromethane	85	4.439	4.429	0.010	97	5213		0.0419	
4 Chlorodifluoromethane	51	4.482	4.466	0.016	96	3672		0.0453	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.798	4.798	0.011	88	2298		0.0193	7M
6 Chloromethane	50	4.916	4.916	0.016	97	3258		0.0739	M
7 Vinyl chloride	62		5.205					ND	MU
8 Butane	43		5.215					ND	7
9 Butadiene	54		5.322					ND	MU
10 Bromomethane	94		6.018					ND	7
12 Chloroethane	64		6.285					ND	7
13 2-Methylbutane	43		6.499					ND	7
14 Vinyl bromide	106		6.697					ND	MU
15 Trichlorofluoromethane	101	6.868	6.863	0.005	94	2749		0.0260	
16 Pentane	43		7.072					ND	7
17 Ethanol	45	7.296	7.216	0.080	97	2937		0.2385	
18 Ethyl ether	59		7.500					ND	
19 Acrolein	56		7.703					ND	
20 1,1-Dichloroethene	96	7.906	7.901	0.005	89	861		0.0267	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		7.944					ND	7
22 Acetone	43		7.981					ND	7
23 Isopropyl alcohol	45	8.377	8.291	0.086	94	4300		0.0975	
24 Carbon disulfide	76	8.334	8.323	0.011	98	3599		0.0496	
25 Acetonitrile	41		8.441					ND	7
27 3-Chloro-1-propene	41		8.586					ND	7
28 Methylene Chloride	49	8.810	8.810	0.000	81	818		0.0316	7M
29 2-Methyl-2-propanol	59		9.094					ND	
30 Acrylonitrile	53		9.185					ND	
32 trans-1,2-Dichloroethene	61	9.318	9.318	0.000	1	749		0.0193	
31 Methyl tert-butyl ether	73		9.345					ND	7
S 33 1,2-Dichloroethene, Total	61		9.665					ND	7
34 Hexane	57		9.827					ND	7
36 1,1-Dichloroethane	63		10.062					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		10.073					ND	
37 2-Butanone (MEK)	72		11.025					ND	
38 cis-1,2-Dichloroethene	96		11.041					ND	7
39 Ethyl acetate	88		11.111					ND	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	75	167656	10.0	10.0	
41 Tetrahydrofuran	42		11.528					ND	
42 Chloroform	83		11.630					ND	7
43 1,1,1-Trichloroethane	97		11.945					ND	7
44 Cyclohexane	84		12.100					ND	7
45 Carbon tetrachloride	117	12.239	12.234	0.005	1	986		0.0119	
46 Benzene	78	12.582	12.582	0.016	84	990		0.0121	7M
47 1,2-Dichloroethane	62		12.635					ND	
48 Isooctane	57		12.790					ND	MU
49 n-Heptane	43		13.095					ND	7
* 50 1,4-Difluorobenzene	114	13.299	13.293	0.006	94	855023	10.0	10.0	
51 n-Butanol	56		13.539					ND	MU
52 Trichloroethene	95	13.732	13.732	0.000	85	490		0.0115	7M
A 53 GRO	1	14.141	(6.489-21.793)		0	3700362		0	
55 1,2-Dichloropropane	63		14.181					ND	
56 Methyl methacrylate	69		14.262					ND	
58 Dibromomethane	174	14.347	14.347	0.011	89	507		0.0128	M
57 1,4-Dioxane	88		14.347					ND	
59 Dichlorobromomethane	83	14.652	14.652	0.011	1	595		0.008872	7M
60 cis-1,3-Dichloropropene	75		15.439					ND	7
A 61 TVOC as Toluene	92	15.495	(4.323-26.667)		0	3841304		0	
62 4-Methyl-2-pentanone (MIBK)	43		15.711					ND	
A 64 Toluene Range	1	16.086	(16.016-16.155)		0	14446		NC	
63 Toluene	92	16.091	16.091	0.005	12	595		0.009083	7M
66 n-Octane	43		16.337					ND	
A 65 C8 Range	1	16.343	(16.273-16.412)		0	3039		NC	
67 trans-1,3-Dichloropropene	75		16.482					ND	7
68 1,1,2-Trichloroethane	83		16.862					ND	MU
69 Tetrachloroethene	166		17.076					ND	7
70 2-Hexanone	43		17.391					ND	
71 Chlorodibromomethane	129	17.605	17.605	0.000	1	615		0.008350	7M
72 Ethylene Dibromide	107	17.857	17.857	0.005	91	785		0.0131	M
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	88	818092	10.0	10.0	
74 Chlorobenzene	112	18.809	18.814	-0.005	76	1530		0.0165	
75 Ethylbenzene	91	19.007	19.007	0.000	1	1626		0.0110	
76 m-Xylene & p-Xylene	106	19.274	19.274	0.005	0	1180		0.0201	M
77 n-Nonane	57		19.333					ND	
S 78 Xylenes, Total	106				0			0.0201	7
79 o-Xylene	106		20.039					ND	7
80 Styrene	104	20.082	20.071	0.011	88	908		0.0110	
81 Bromoform	173	20.424	20.424	0.000	91	1187		0.0163	
82 Isopropylbenzene	105		20.740					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.243					ND	7
84 1,2,3-Trichloropropane	75		21.345					ND	7
85 N-Propylbenzene	91		21.457					ND	7
86 2-Chlorotoluene	91		21.601					ND	7
87 4-Ethyltoluene	105	21.666	21.655	0.011	96	1861		0.0108	
88 1,3,5-Trimethylbenzene	105		21.746					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.783					ND	
90 Alpha Methyl Styrene	118	22.072	22.072	-0.005	77	734		0.0106	M
91 tert-Butylbenzene	119		22.233					ND	7
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	56	1314		0.008686	
93 sec-Butylbenzene	105		22.559					ND	7
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	96	3249		0.0314	
95 4-Isopropyltoluene	119		22.773					ND	7
96 1,4-Dichlorobenzene	146	22.880	22.875	0.005	93	4041		0.0392	
97 Benzyl chloride	91	23.014	23.014	0.000	97	2512		0.0359	
98 n-Butylbenzene	91	23.324	23.329	-0.005	91	2425		0.0146	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	91	3355		0.0332	
100 Undecane	57		23.479					ND	7
101 Dodecane	57		25.052					ND	
102 1,2,4-Trichlorobenzene	180	25.785	25.785	0.000	94	6540		0.0655	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	92	2523		0.0228	
104 Naphthalene	128	26.256	26.250	0.006	97	9848		0.0500	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	92	5850		0.0670	
113 Total Alkanes TIC	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	
115 1,2,3-Trimethylbenzene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-04.D

Injection Date: 18-Oct-2022 12:10:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

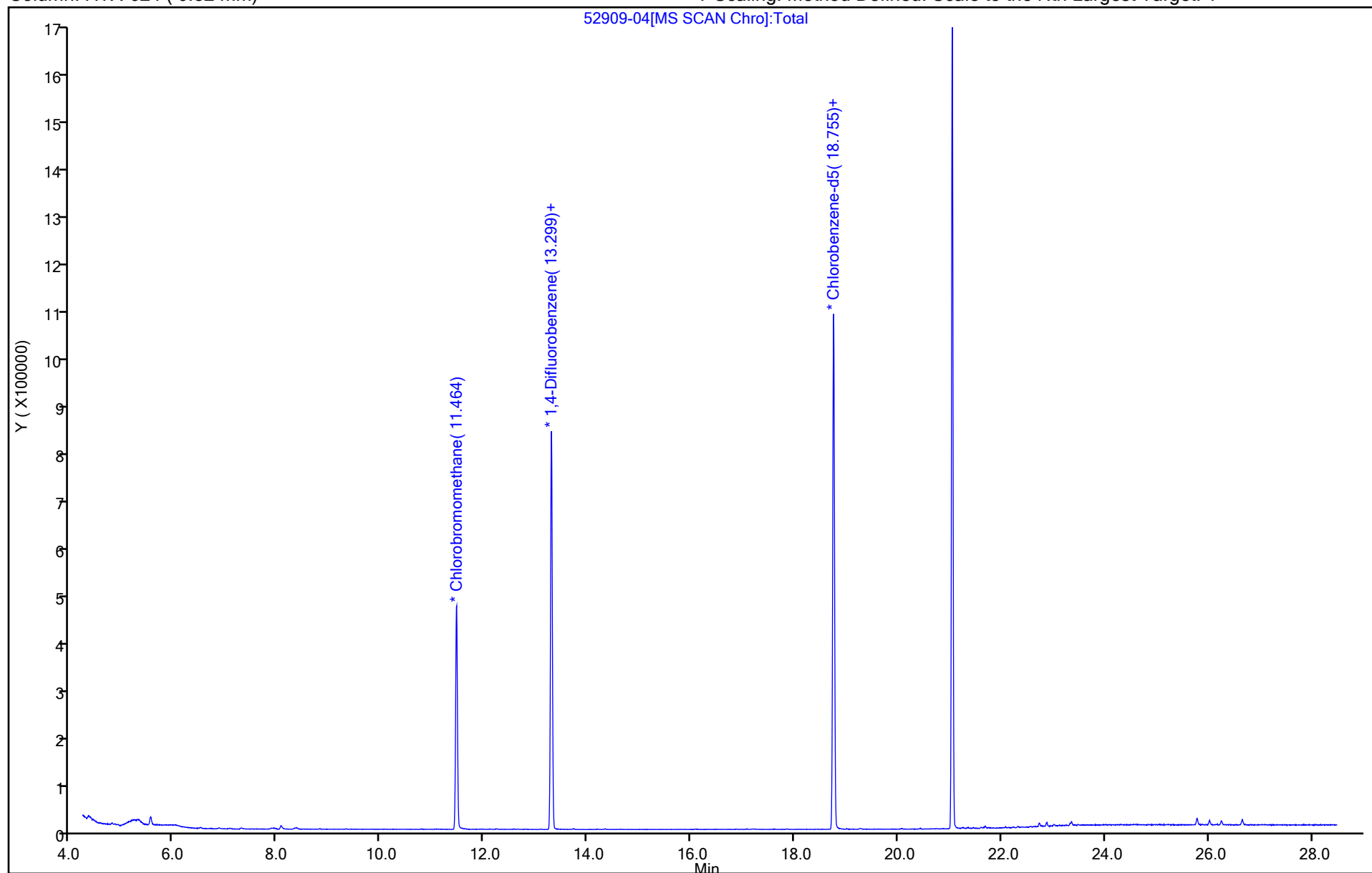
ALS Bottle#: 3

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

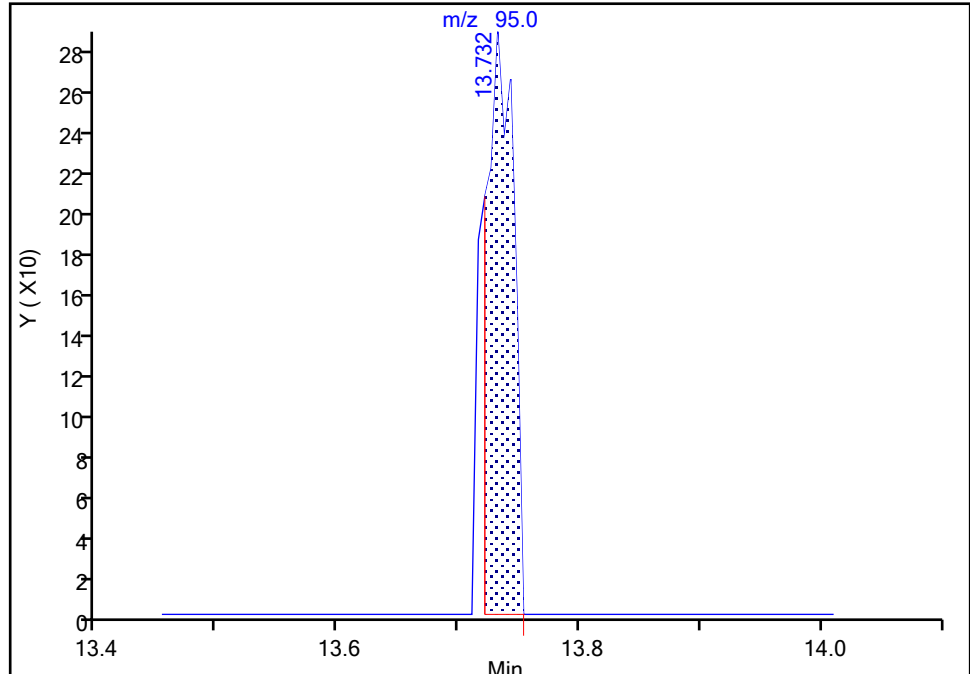
Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-04.D
Injection Date: 18-Oct-2022 12:10:30 Instrument ID: CHX.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

52 Trichloroethene, CAS: 79-01-6

Signal: 1

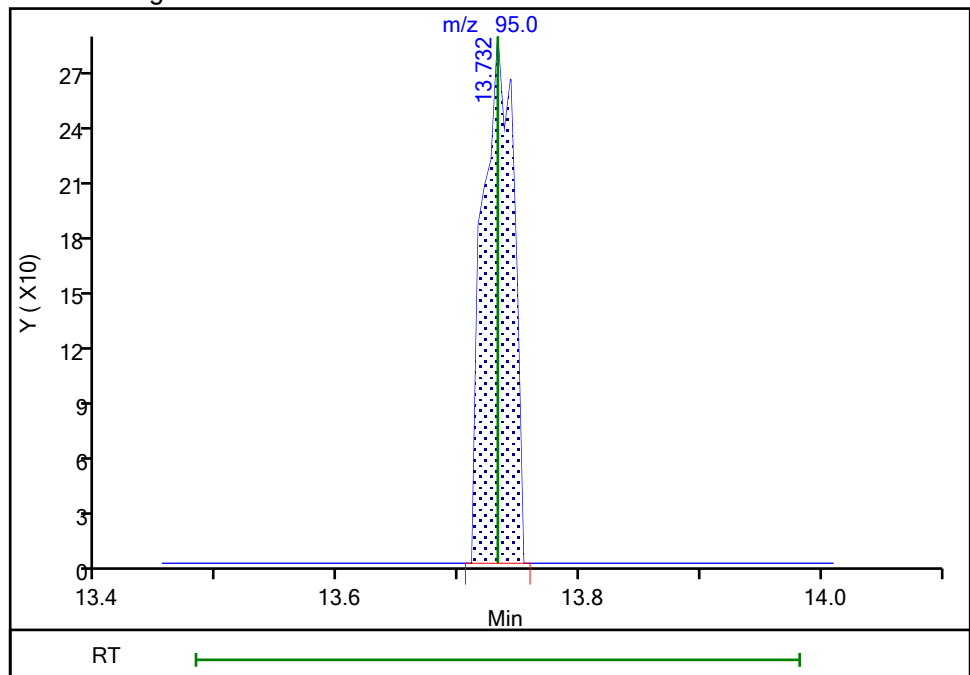
RT: 13.73
Area: 432
Amount: 0.010131
Amount Units: ppb v/v

Processing Integration Results



RT: 13.73
Area: 490
Amount: 0.011491
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 19-Oct-2022 09:02:45

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: _____ Lab Sample ID: LCS 200-184744/3
Matrix: Air Lab File ID: 52891-03.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 10/17/2022 08:20
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184744 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.1		0.037	0.025
127-18-4	Tetrachloroethene	165.83	10.3		0.20	0.021

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-03.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 17-Oct-2022 08:20:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052891-003
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Oct-2022 12:12:58 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1641

First Level Reviewer: V0FK

Date: 17-Oct-2022 12:24:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.349	4.338	0.011	98	867878	10.0	10.5	
3 Dichlorodifluoromethane	85	4.445	4.429	0.016	99	2558149	10.0	11.8	
4 Chlorodifluoromethane	51	4.482	4.471	0.011	97	1489842	10.0	10.5	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.798	4.787	0.011	98	2230798	10.0	10.7	
6 Chloromethane	50	4.910	4.899	0.011	99	738280	10.0	9.57	
7 Vinyl chloride	62	5.221	5.210	0.011	98	444579	10.0	8.80	
8 Butane	43	5.226	5.220	0.006	95	594136	10.0	9.89	
9 Butadiene	54	5.338	5.322	0.016	96	336553	10.0	8.79	
11 BFB									
10 Bromomethane	94	6.034	6.023	0.011	98	641373	10.0	10.1	
12 Chloroethane	64	6.301	6.285	0.016	100	332487	10.0	9.64	
13 2-Methylbutane	43	6.515	6.499	0.016	89	669880	10.0	8.65	
14 Vinyl bromide	106	6.713	6.697	0.016	99	580849	10.0	9.89	
15 Trichlorofluoromethane	101	6.879	6.863	0.016	100	1939137	10.0	10.5	
16 Pentane	43	7.082	7.071	0.011	95	903219	10.0	9.71	
17 Ethanol	45	7.227	7.216	0.011	99	289118	14.7	13.4	
18 Ethyl ether	59	7.510	7.499	0.011	96	363034	10.0	9.59	
19 Acrolein	56	7.719	7.708	0.011	98	158080	10.0	8.05	
20 1,1-Dichloroethene	96	7.917	7.906	0.011	98	546870	10.0	9.69	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.960	7.943	0.017	95	1204462	10.0	10.9	
22 Acetone	43	7.997	7.986	0.011	100	785725	10.0	10.9	
23 Isopropyl alcohol	45	8.302	8.297	0.006	99	678374	10.0	8.79	
24 Carbon disulfide	76	8.334	8.323	0.011	100	1366335	10.0	10.8	
25 Acetonitrile	41	8.452	8.441	0.011	98	271935	10.0	10.6	
27 3-Chloro-1-propene	41	8.596	8.585	0.011	95	532568	10.0	9.96	
28 Methylene Chloride	49	8.821	8.810	0.011	89	482724	10.0	10.7	
29 2-Methyl-2-propanol	59	9.094	9.094	0.000	95	1001975	10.0	10.5	
30 Acrylonitrile	53	9.195	9.185	0.010	93	265085	10.0	10.4	
32 trans-1,2-Dichloroethene	61	9.329	9.318	0.011	97	672836	10.0	9.93	
31 Methyl tert-butyl ether	73	9.356	9.350	0.006	95	1564683	10.0	10.9	
S 33 1,2-Dichloroethene, Total	61				0		20.0	19.8	
34 Hexane	57	9.832	9.827	0.005	89	629739	10.0	9.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	10.073	10.062	0.011	100	808479	10.0	9.78	
35 Vinyl acetate	43	10.084	10.078	0.006	99	738056	10.0	7.91	
37 2-Butanone (MEK)	72	11.025	11.025	0.000	99	222796	10.0	10.5	
38 cis-1,2-Dichloroethene	96	11.052	11.041	0.011	93	515122	10.0	9.87	
39 Ethyl acetate	88	11.121	11.116	0.005	99	43307	10.0	11.1	
* 40 Chlorobromomethane	128	11.464	11.458	0.006	76	293383	10.0	10.0	
41 Tetrahydrofuran	42	11.539	11.533	0.006	85	396677	10.0	10.5	
42 Chloroform	83	11.635	11.624	0.011	98	1145376	10.0	10.6	
43 1,1,1-Trichloroethane	97	11.951	11.945	0.006	94	1387982	10.0	11.0	
44 Cyclohexane	84	12.106	12.100	0.006	93	640621	10.0	10.2	
45 Carbon tetrachloride	117	12.239	12.234	0.005	99	1501452	10.0	10.6	
46 Benzene	78	12.571	12.566	0.005	98	1431273	10.0	10.2	
47 1,2-Dichloroethane	62	12.641	12.635	0.006	99	835439	10.0	10.6	
48 Isooctane	57	12.796	12.790	0.006	97	2018930	10.0	10.0	
49 n-Heptane	43	13.101	13.095	0.006	86	690391	10.0	9.82	
* 50 1,4-Difluorobenzene	114	13.299	13.293	0.006	94	1461424	10.0	10.0	
51 n-Butanol	56	13.539	13.545	-0.006	90	187863	10.0	8.07	
52 Trichloroethene	95	13.732	13.732	0.000	99	733195	10.0	10.1	
A 53 GRO	1	14.141	(6.489-21.793)		0	246086019	649.9	0	
55 1,2-Dichloropropane	63	14.187	14.181	0.006	88	470904	10.0	10.1	
56 Methyl methacrylate	69	14.267	14.261	0.006	94	485341	10.0	10.8	
58 Dibromomethane	174	14.342	14.336	0.006	95	755840	10.0	11.1	
57 1,4-Dioxane	88	14.342	14.342	0.000	91	243046	10.0	9.36	
59 Dichlorobromomethane	83	14.641	14.641	0.000	99	1241351	10.0	10.8	
60 cis-1,3-Dichloropropene	75	15.439	15.438	0.001	96	881145	10.0	10.0	
A 61 TVOC as Toluene	92	15.497	(4.328-26.667)		0	406850059	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.711	15.711	0.000	95	968251	10.0	11.6	
63 Toluene	92	16.086	16.086	0.000	94	1115862	10.0	10.4	
A 64 Toluene Range	1	16.086	(16.016-16.155)		0	4462485	NC	NC	
66 n-Octane	43	16.343	16.337	0.006	84	955469	10.0	9.93	
A 65 C8 Range	1	16.337	(16.262-16.412)		0	4293279	NC	NC	
67 trans-1,3-Dichloropropene	75	16.487	16.482	0.005	98	886864	10.0	11.1	
68 1,1,2-Trichloroethane	83	16.867	16.861	0.006	97	511580	10.0	10.3	
69 Tetrachloroethene	166	17.081	17.075	0.006	96	1147955	10.0	10.3	
70 2-Hexanone	43	17.370	17.396	-0.026	96	685343	10.0	9.68	
71 Chlorodibromomethane	129	17.611	17.605	0.006	97	1388585	10.0	11.5	
72 Ethylene Dibromide	107	17.851	17.851	0.000	98	1062376	10.0	10.8	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	87	1346324	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	94	1626293	10.0	10.6	
75 Ethylbenzene	91	19.007	19.007	0.000	98	2616559	10.0	10.7	
76 m-Xylene & p-Xylene	106	19.269	19.274	-0.005	0	2097360	20.0	21.7	
77 n-Nonane	57	19.339	19.338	0.001	82	1002716	10.0	10.3	
S 78 Xylenes, Total	106				0		30.0	32.5	
79 o-Xylene	106	20.039	20.039	0.000	99	1019196	10.0	10.8	
80 Styrene	104	20.077	20.071	0.006	99	1562279	10.0	11.5	
81 Bromoform	173	20.430	20.430	0.000	98	1487232	10.0	12.4	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	3206134	10.0	11.0	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	98	1334116	10.0	10.7	
84 1,2,3-Trichloropropane	75	21.345	21.344	0.001	96	1183948	10.0	11.0	
85 N-Propylbenzene	91	21.457	21.457	0.000	100	3642511	10.0	11.0	
86 2-Chlorotoluene	91	21.607	21.607	0.000	97	2338187	10.0	10.9	
87 4-Ethyltoluene	105	21.655	21.655	0.000	99	3174483	10.0	11.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	105	21.751	21.751	0.000	93	2795329	10.0	11.2	
89 n-Decane	57	21.783	21.783	0.000	95	1342606	10.0	10.8	
90 Alpha Methyl Styrene	118	22.078	22.077	0.001	90	1371113	10.0	12.1	
91 tert-Butylbenzene	119	22.233	22.232	0.001	94	2779389	10.0	11.0	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	2813052	10.0	11.3	
93 sec-Butylbenzene	105	22.559	22.559	0.000	98	3939620	10.0	11.0	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	98	2000840	10.0	11.7	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	3670188	10.0	11.6	
96 1,4-Dichlorobenzene	146	22.875	22.874	0.001	95	1992974	10.0	11.7	
97 Benzyl chloride	91	23.014	23.014	0.000	98	2150556	10.0	18.7	
98 n-Butylbenzene	91	23.329	23.329	0.000	97	3146481	10.0	11.5	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	97	1930031	10.0	11.6	
100 Undecane	57	23.479	23.479	0.000	91	1602039	10.0	11.5	
101 Dodecane	57	25.052	25.052	0.000	94	1544397	10.0	11.1	
102 1,2,4-Trichlorobenzene	180	25.785	25.785	0.000	94	1815259	10.0	11.1	
103 Hexachlorobutadiene	225	26.026	26.025	0.001	98	2064720	10.0	11.3	
104 Naphthalene	128	26.250	26.255	-0.005	99	3963279	10.0	12.2	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	1789564	10.0	12.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00847

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 17-Oct-2022 12:24:22

Chrom Revision: 2.3 28-Sep-2022 12:57:42

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221017-52891.b\52891-03.D

Injection Date: 17-Oct-2022 08:20:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

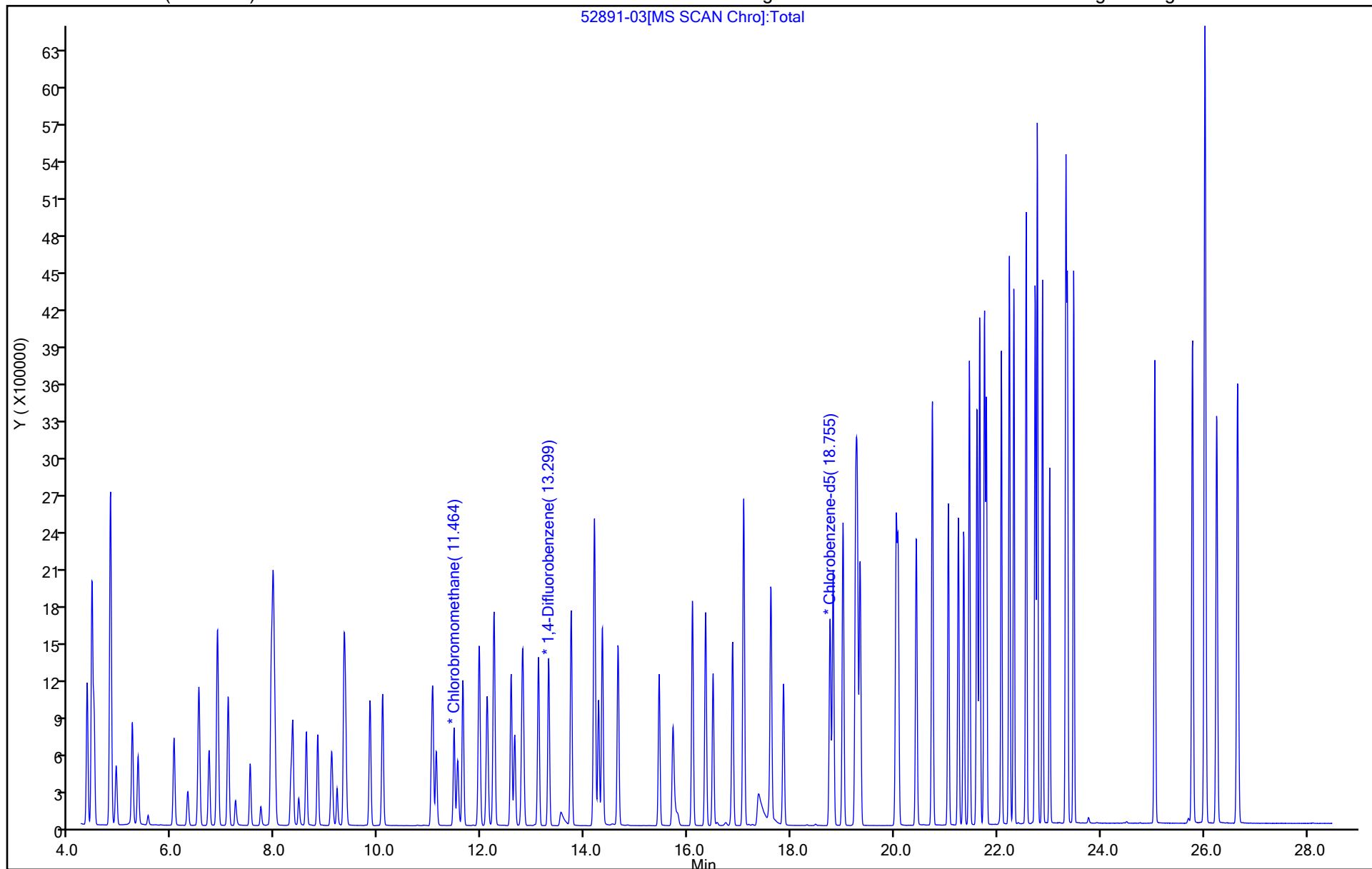
ALS Bottle#: 2

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: Eurofins Burlington Job No.: 200-65325-1
SDG No.: 200-65325
Client Sample ID: _____ Lab Sample ID: LCS 200-184789/3
Matrix: Air Lab File ID: 52909-03.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2022 11:17
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 184789 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	10.3		0.037	0.025
127-18-4	Tetrachloroethene	165.83	10.5		0.20	0.021

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-03.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 18-Oct-2022 11:17:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052909-003
 Operator ID: vtp Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 19-Oct-2022 08:55:15 Calib Date: 05-Oct-2022 01:42:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20221004-52704.b\52704-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1633

First Level Reviewer: bunmaa

Date: 19-Oct-2022 08:56:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.327	4.333	-0.005	99	709831	10.0	12.2	
3 Dichlorodifluoromethane	85	4.418	4.429	-0.011	99	2101265	10.0	13.7	
4 Chlorodifluoromethane	51	4.456	4.466	-0.010	97	1185397	10.0	11.8	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.777	4.787	-0.010	96	1654659	10.0	11.2	
6 Chloromethane	50	4.889	4.900	-0.011	99	509843	10.0	9.35	
7 Vinyl chloride	62	5.194	5.205	-0.011	99	344364	10.0	9.63	
8 Butane	43	5.205	5.215	-0.011	95	458835	10.0	10.8	
9 Butadiene	54	5.317	5.322	-0.005	96	235798	10.0	8.71	
11 BFB									
10 Bromomethane	94	6.012	6.018	-0.006	98	417789	10.0	9.26	
12 Chloroethane	64	6.280	6.285	-0.005	100	217088	10.0	8.90	
13 2-Methylbutane	43	6.499	6.499	0.000	89	448059	10.0	8.18	
14 Vinyl bromide	106	6.697	6.697	0.000	97	395554	10.0	9.52	
15 Trichlorofluoromethane	101	6.858	6.863	-0.005	100	1488939	10.0	11.4	
16 Pentane	43	7.066	7.072	-0.006	94	595593	10.0	9.06	
17 Ethanol	45	7.211	7.216	-0.005	98	185074	14.7	12.1	
18 Ethyl ether	59	7.494	7.500	-0.006	95	240055	10.0	8.96	
19 Acrolein	56	7.703	7.703	0.000	99	102477	10.0	7.38	
20 1,1-Dichloroethene	96	7.901	7.901	0.000	97	365450	10.0	9.16	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.944	7.944	0.000	94	853545	10.0	10.9	
22 Acetone	43	7.981	7.981	0.000	100	563987	10.0	11.0	
23 Isopropyl alcohol	45	8.291	8.291	0.000	98	445817	10.0	8.17	
24 Carbon disulfide	76	8.323	8.323	0.000	99	929080	10.0	10.3	
25 Acetonitrile	41	8.441	8.441	0.000	97	179413	10.0	9.90	
27 3-Chloro-1-propene	41	8.586	8.586	0.000	95	355266	10.0	9.39	
28 Methylene Chloride	49	8.810	8.810	0.000	91	342202	10.0	10.7	
29 2-Methyl-2-propanol	59	9.083	9.094	-0.011	96	660700	10.0	9.82	
30 Acrylonitrile	53	9.185	9.185	0.000	92	177298	10.0	9.87	
32 trans-1,2-Dichloroethene	61	9.318	9.318	0.000	97	469194	10.0	9.79	
31 Methyl tert-butyl ether	73	9.345	9.345	0.000	95	1084231	10.0	10.7	
S 33 1,2-Dichloroethene, Total	61				0		20.0	19.2	
34 Hexane	57	9.827	9.827	0.000	88	413461	10.0	9.19	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	10.067	10.062	0.005	99	557565	10.0	9.54	
35 Vinyl acetate	43	10.073	10.073	0.000	99	509048	10.0	7.71	
37 2-Butanone (MEK)	72	11.020	11.025	-0.005	99	147918	10.0	9.90	
38 cis-1,2-Dichloroethene	96	11.046	11.041	0.005	94	345605	10.0	9.36	
39 Ethyl acetate	88	11.111	11.111	0.000	99	28805	10.0	10.4	
* 40 Chlorobromomethane	128	11.458	11.458	0.000	78	207504	10.0	10.0	
41 Tetrahydrofuran	42	11.528	11.528	0.000	83	266610	10.0	10.2	
42 Chloroform	83	11.630	11.630	0.000	97	818000	10.0	10.7	
43 1,1,1-Trichloroethane	97	11.945	11.945	0.000	95	1023954	10.0	11.8	
44 Cyclohexane	84	12.100	12.100	0.000	92	426436	10.0	9.88	
45 Carbon tetrachloride	117	12.234	12.234	0.000	99	1159177	10.0	11.9	
46 Benzene	78	12.566	12.566	0.000	97	933792	10.0	9.67	
47 1,2-Dichloroethane	62	12.635	12.635	0.000	99	617091	10.0	11.4	
48 Isooctane	57	12.790	12.790	0.000	96	1341902	10.0	9.67	
49 n-Heptane	43	13.095	13.095	0.000	84	460277	10.0	9.50	
* 50 1,4-Difluorobenzene	114	13.293	13.293	0.000	94	1007295	10.0	10.0	
51 n-Butanol	56	13.523	13.539	-0.016	90	111440	10.0	6.95	
52 Trichloroethene	95	13.732	13.732	0.000	98	516017	10.0	10.3	
A 53 GRO	1	14.141	(6.489-21.793)		0	179764537	649.9	0	
55 1,2-Dichloropropane	63	14.181	14.181	0.000	66	324967	10.0	10.1	
56 Methyl methacrylate	69	14.262	14.262	0.000	92	342203	10.0	11.1	
58 Dibromomethane	174	14.336	14.336	0.000	95	556903	10.0	11.9	
57 1,4-Dioxane	88	14.336	14.347	-0.011	90	156516	10.0	8.75	
59 Dichlorobromomethane	83	14.641	14.641	0.000	98	916416	10.0	11.6	
60 cis-1,3-Dichloropropene	75	15.438	15.439	0.000	97	604651	10.0	9.97	
A 61 TVOC as Toluene	92	15.495	(4.323-26.667)		0	304689896	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.706	15.711	-0.005	95	660493	10.0	11.5	
A 64 Toluene Range	1	16.086	(16.016-16.155)		0	3117492	NC	NC	
63 Toluene	92	16.086	16.086	0.000	94	758594	10.0	9.83	
66 n-Octane	43	16.337	16.337	0.000	83	655330	10.0	9.89	
A 65 C8 Range	1	16.343	(16.273-16.412)		0	3035801	NC	NC	
67 trans-1,3-Dichloropropene	75	16.487	16.482	0.005	97	632252	10.0	11.5	
68 1,1,2-Trichloroethane	83	16.862	16.862	0.000	97	356280	10.0	10.0	
69 Tetrachloroethene	166	17.081	17.076	0.005	95	842906	10.0	10.5	
70 2-Hexanone	43	17.354	17.391	-0.037	94	471934	10.0	9.31	
71 Chlorodibromomethane	129	17.605	17.605	0.000	97	1080960	10.0	12.5	
72 Ethylene Dibromide	107	17.851	17.851	0.000	98	767960	10.0	10.9	
* 73 Chlorobenzene-d5	117	18.755	18.755	0.000	88	963995	10.0	10.0	
74 Chlorobenzene	112	18.814	18.814	0.000	94	1164182	10.0	10.6	
75 Ethylbenzene	91	19.007	19.007	0.000	98	1853158	10.0	10.6	
76 m-Xylene & p-Xylene	106	19.269	19.269	0.000	0	1492058	20.0	21.6	
77 n-Nonane	57	19.333	19.333	0.000	82	710789	10.0	10.2	
S 78 Xylenes, Total	106				0		30.0	32.2	
79 o-Xylene	106	20.039	20.039	0.000	98	717339	10.0	10.6	
80 Styrene	104	20.077	20.071	0.006	99	1148346	10.0	11.8	
81 Bromoform	173	20.424	20.424	0.000	97	1158376	10.0	13.5	
82 Isopropylbenzene	105	20.740	20.740	0.000	96	2308221	10.0	11.1	
83 1,1,2,2-Tetrachloroethane	83	21.243	21.243	0.000	97	967697	10.0	10.8	
84 1,2,3-Trichloropropane	75	21.345	21.345	0.000	95	870584	10.0	11.3	
85 N-Propylbenzene	91	21.457	21.457	0.000	99	2662511	10.0	11.2	
86 2-Chlorotoluene	91	21.607	21.601	0.006	97	1701733	10.0	11.1	
87 4-Ethyltoluene	105	21.655	21.655	0.000	98	2334132	10.0	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	105	21.751	21.746	0.005	93	2070702	10.0	11.6	
89 n-Decane	57	21.783	21.783	0.000	96	984170	10.0	11.1	
90 Alpha Methyl Styrene	118	22.077	22.077	0.000	89	1030462	10.0	12.7	
91 tert-Butylbenzene	119	22.233	22.233	0.000	92	2087224	10.0	11.5	
92 1,2,4-Trimethylbenzene	105	22.318	22.318	0.000	98	2094718	10.0	11.8	
93 sec-Butylbenzene	105	22.559	22.559	0.000	97	2948111	10.0	11.5	
94 1,3-Dichlorobenzene	146	22.730	22.730	0.000	99	1524761	10.0	12.5	
95 4-Isopropyltoluene	119	22.773	22.773	0.000	97	2789469	10.0	12.3	
96 1,4-Dichlorobenzene	146	22.875	22.875	0.000	95	1523504	10.0	12.5	
97 Benzyl chloride	91	23.014	23.014	0.000	98	1579598	10.0	19.2	
98 n-Butylbenzene	91	23.329	23.329	0.000	97	2399464	10.0	12.3	
99 1,2-Dichlorobenzene	146	23.356	23.356	0.000	96	1493300	10.0	12.5	
100 Undecane	57	23.479	23.479	0.000	90	1196843	10.0	12.0	
101 Dodecane	57	25.052	25.052	0.000	93	1221306	10.0	12.3	
102 1,2,4-Trichlorobenzene	180	25.785	25.785	0.000	94	1420902	10.0	12.1	
103 Hexachlorobutadiene	225	26.026	26.026	0.000	98	1666307	10.0	12.8	
104 Naphthalene	128	26.250	26.250	0.000	99	2950870	10.0	12.7	
105 1,2,3-Trichlorobenzene	180	26.657	26.657	0.000	95	1386506	10.0	13.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00847

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20221018-52909.b\52909-03.D

Injection Date: 18-Oct-2022 11:17:30

Instrument ID: CHX.i

Operator ID: vtp

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

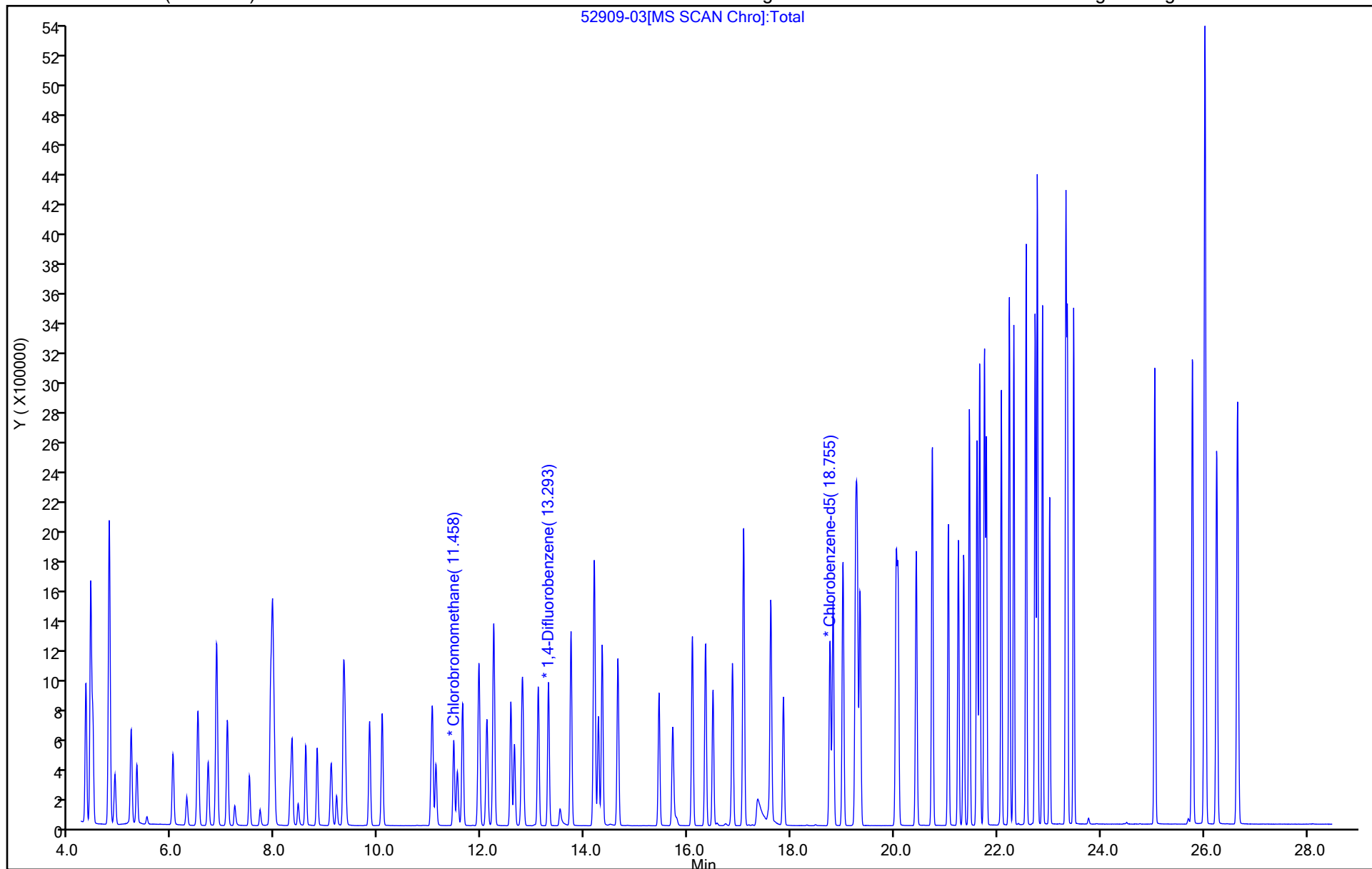
ALS Bottle#: 2

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-65325-1SDG No.: 200-65325Instrument ID: CHX.iStart Date: 10/04/2022 15:20Analysis Batch Number: 184287End Date: 10/05/2022 06:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-184287/1		10/04/2022 15:20	1	52704-01.D	RTX-624 0.32 (mm)
IC 200-184287/4		10/04/2022 17:51	1	52704-04.D	RTX-624 0.32 (mm)
IC 200-184287/5		10/04/2022 18:43	1	52704-05.D	RTX-624 0.32 (mm)
IC 200-184287/6		10/04/2022 19:36	1	52704-06.D	RTX-624 0.32 (mm)
IC 200-184287/7		10/04/2022 20:28	1	52704-07.D	RTX-624 0.32 (mm)
ICIS 200-184287/8		10/04/2022 21:21	1	52704-08.D	RTX-624 0.32 (mm)
IC 200-184287/9		10/04/2022 22:13	1	52704-09.D	RTX-624 0.32 (mm)
IC 200-184287/12		10/05/2022 00:50	1	52704-12.D	RTX-624 0.32 (mm)
IC 200-184287/13		10/05/2022 01:42	1	52704-13.D	RTX-624 0.32 (mm)
ICV 200-184287/17		10/05/2022 05:13	1	52704-17.D	RTX-624 0.32 (mm)
ZZZZZ		10/05/2022 06:58	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-65325-1SDG No.: 200-65325Instrument ID: CHX.iStart Date: 10/17/2022 06:41Analysis Batch Number: 184744End Date: 10/17/2022 22:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-184744/1		10/17/2022 06:41	1		RTX-624 0.32 (mm)
CCVIS 200-184744/2		10/17/2022 07:27	1	52891-02.D	RTX-624 0.32 (mm)
LCS 200-184744/3		10/17/2022 08:20	1	52891-03.D	RTX-624 0.32 (mm)
MB 200-184744/4		10/17/2022 09:12	1	52891-04.D	RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 10:05	1		RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 10:57	7.14		RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 11:50	2.98		RTX-624 0.32 (mm)
200-65325-1	LL2 NORTH GYM-10-11-22	10/17/2022 12:42	1	52891-08.D	RTX-624 0.32 (mm)
200-65325-2	LL2 SOUTH GYM-10-11-22	10/17/2022 13:35	1	52891-09.D	RTX-624 0.32 (mm)
200-65325-3	LL2 HALLWAY-10-11-22	10/17/2022 14:27	1	52891-10.D	RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 15:20	1		RTX-624 0.32 (mm)
200-65325-5	DRIVEWAY-10-11-22	10/17/2022 16:12	3.93	52891-12.D	RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 17:05	10		RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 17:57	10		RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 18:50	10		RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 19:42	1		RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 20:34	10		RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 21:27	10		RTX-624 0.32 (mm)
ZZZZZ		10/17/2022 22:19	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-65325-1SDG No.: 200-65325Instrument ID: CHX.iStart Date: 10/18/2022 09:32Analysis Batch Number: 184789End Date: 10/19/2022 04:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-184789/1		10/18/2022 09:32	1	52909-01.D	RTX-624 0.32 (mm)
CCVIS 200-184789/2		10/18/2022 10:25	1	52909-02.D	RTX-624 0.32 (mm)
LCS 200-184789/3		10/18/2022 11:17	1	52909-03.D	RTX-624 0.32 (mm)
MB 200-184789/4		10/18/2022 12:10	1	52909-04.D	RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 13:53	8		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 14:45	8		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 15:38	5		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 16:33	0.2		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 17:25	1		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 18:18	1		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 19:11	1		RTX-624 0.32 (mm)
200-65325-4	LL2 PUMP ROOM-10-11-22	10/18/2022 20:04	1	52909-13.D	RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 20:56	10		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 21:49	10		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 22:41	10		RTX-624 0.32 (mm)
ZZZZZ		10/18/2022 23:34	10		RTX-624 0.32 (mm)
ZZZZZ		10/19/2022 00:27	1		RTX-624 0.32 (mm)
ZZZZZ		10/19/2022 01:19	10		RTX-624 0.32 (mm)
ZZZZZ		10/19/2022 02:12	20		RTX-624 0.32 (mm)
ZZZZZ		10/19/2022 03:04	102		RTX-624 0.32 (mm)
ZZZZZ		10/19/2022 03:57	15		RTX-624 0.32 (mm)
ZZZZZ		10/19/2022 04:49	66		RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-65325-1

SDG No.: 200-65325

Batch Number: 184287 Batch Start Date: 10/04/22 15:20 Batch Analyst: Pham, Vu T

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15CAL1w 00246	ATTO15CAL2w 00323	ATTO15CAL3w 00254	ATTO15CAL4w 00792
BFB 200-184287/1		TO-15		200 mL	200 mL				
IC 200-184287/4		TO-15		200 mL	200 mL	35 mL			
IC 200-184287/5		TO-15		200 mL	200 mL	200 mL			
IC 200-184287/6		TO-15		200 mL	200 mL		200 mL		
IC 200-184287/7		TO-15		200 mL	200 mL			200 mL	
ICIS 200-184287/8		TO-15		200 mL	200 mL				200 mL
IC 200-184287/9		TO-15		200 mL	200 mL				
IC 200-184287/12		TO-15		200 mL	200 mL				
IC 200-184287/13		TO-15		200 mL	200 mL				
ICV 200-184287/17		TO-15		200 mL	200 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL5w 00123	ATTO15CAL6w 00210	ATTO15CAL7w 00123	ATTO15LCSW 00845	ATTO15XISS 00003	
BFB 200-184287/1		TO-15						20 mL	
IC 200-184287/4		TO-15						20 mL	
IC 200-184287/5		TO-15						20 mL	
IC 200-184287/6		TO-15						20 mL	
IC 200-184287/7		TO-15						20 mL	
ICIS 200-184287/8		TO-15						20 mL	
IC 200-184287/9		TO-15		200 mL				20 mL	
IC 200-184287/12		TO-15			200 mL			20 mL	
IC 200-184287/13		TO-15				200 mL		20 mL	
ICV 200-184287/17		TO-15					200 mL	20 mL	

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

TO-15

Page 1 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-65325-1

SDG No.: 200-65325

Batch Number: 184287 Batch Start Date: 10/04/22 15:20 Batch Analyst: Pham, Vu T

Batch Method: TO-15 Batch End Date:

Basis	Basis Description

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 Burlington Job No.: 200-65325-1

SDG No.: 200-65325

Batch Number: 184744 Batch Start Date: 10/17/22 06:41 Batch Analyst: Pham, Vu T

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00792	ATTO15LCSW 00847	ATTO15XISs 00003	
CCVIS 200-184744/2		TO-15		200 mL	200 mL	200 mL		20 mL	
LCS 200-184744/3		TO-15		200 mL	200 mL		200 mL	20 mL	
MB 200-184744/4		TO-15		200 mL	200 mL			20 mL	
200-65325-A-1	LL2 NORTH GYM-10-11-22	TO-15	T	200 mL	200 mL			20 mL	
200-65325-A-2	LL2 SOUTH GYM-10-11-22	TO-15	T	200 mL	200 mL			20 mL	
200-65325-A-3	LL2 HALLWAY-10-11-22	TO-15	T	200 mL	200 mL			20 mL	
200-65325-A-5	DRIVEWAY-10-11-22	TO-15	T	200 mL	200 mL			20 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 Burlington Job No.: 200-65325-1

SDG No.: 200-65325

Batch Number: 184789 Batch Start Date: 10/18/22 09:32 Batch Analyst: Bunma, Arthit 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00792	ATTO15LCSW 00847	ATTO15XISs 00003	
BFB 200-184789/1		TO-15		200 mL	200 mL			20 mL	
CCVIS 200-184789/2		TO-15		200 mL	200 mL	200 mL		20 mL	
LCS 200-184789/3		TO-15		200 mL	200 mL		200 mL	20 mL	
MB 200-184789/4		TO-15		200 mL	200 mL			20 mL	
200-65325-A-4	LL2 PUMP ROOM-10-11-22	TO-15	T	200 mL	200 mL			20 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.

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⁴ Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Summa Canister Dilution Worksheet

Client: HDR Inc
Project/Site: LFNY

Job No.: 200-65325-1
SDG No.: 200-65325

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
200-65325-5	6	-23.4	0.22	1.31	-2.1	0.86	5.14		3.93	3.93	g33	10/17/22 11:04	VTP

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)

Canister Cleaning & Pre-Shipment Leak Test

n the batch.

si. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister

ge Clean Canister

Inventory | 06/01/2017

Can ID	Date
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Revis:

Air-Storage

Revision Date: 12/18/2018

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 52579-003.d
 Lab ID: LCS 200-183934/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Ethylbenzene	10.0	9.49	95	74-122	
Styrene	10.0	9.77	98	74-125	
1,3-Dichloropropene, cis-	10.0	9.42	94	74-125	
1,3-Dichloropropene, trans-	10.0	9.51	95	74-128	
1,4-Dichlorobenzene	10.0	9.75	98	67-132	
1,2-Dibromoethane	10.0	9.29	93	78-122	
1,3-Butadiene	10.0	9.09	91	58-139	
Allyl chloride	10.0	8.72	87	50-150	
1,2-Dichloroethane	10.0	9.65	97	68-135	
Methyl isobutyl ketone (MIBK)	10.0	9.80	98	58-144	
1,3,5-Trimethylbenzene	10.0	9.57	96	72-126	
Toluene	10.0	9.38	94	75-122	
Chlorobenzene	10.0	9.21	92	76-119	
Tetrahydrofuran	10.0	9.60	96	60-149	
Hexane	10.0	9.29	93	63-138	
Cyclohexane	10.0	9.37	94	76-124	
1,2,4-Trichlorobenzene	10.0	8.41	84	50-150	
1,4-Dioxane	10.0	11.3	114	66-129	
Dibromochloromethane	10.0	9.46	95	73-125	
Tetrachloroethene	10.0	8.75	88	70-125	
n-Heptane	10.0	9.21	92	60-142	
1,2-Dichloroethene, cis-	10.0	8.74	87	72-121	
1,2-Dichloroethene, trans-	10.0	9.17	92	69-137	
Methyl tert-butyl ether	10.0	9.66	97	70-127	
m,p-Xylene	20.0	18.9	94	76-121	
2,2,4-Trimethylpentane	10.0	9.23	92	68-131	
1,3-Dichlorobenzene	10.0	9.75	98	69-131	
Carbon tetrachloride	10.0	9.26	93	71-133	
Vinyl bromide	10.0	8.92	89	75-125	
4-Ethyltoluene	10.0	9.69	97	75-129	
Ethanol	14.7	17.1	117	50-150	
Isopropanol	10.0	10.6	106	53-142	
Acetone	10.0	9.46	95	54-154	
Chloroform	10.0	9.55	95	73-124	
Benzene	10.0	9.27	93	73-119	
1,1,1-Trichloroethane	10.0	9.50	95	72-127	
Bromomethane	10.0	8.58	86	72-124	
Chloromethane	10.0	9.16	92	56-141	
Chloroethane	10.0	8.67	87	68-130	
Vinyl chloride	10.0	8.56	86	61-135	
Methylene Chloride	10.0	9.39	94	59-137	
Carbon disulfide	10.0	9.03	90	71-138	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 52579-003.d
 Lab ID: LCS 200-183934/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromoform	10.0	9.27	93	53-149	
Bromodichloromethane	10.0	9.55	95	75-127	
1,1-Dichloroethane	10.0	8.87	89	66-130	
1,1-Dichloroethene	10.0	8.45	85	68-120	
tert-Butyl alcohol	10.0	10.6	106	66-132	
Trichlorofluoromethane	10.0	9.37	94	70-129	
Dichlorodifluoromethane	10.0	9.82	98	61-142	
1,1,2-Trichloro-1,2,2-trifluor oethane	10.0	9.24	92	70-121	
1,2-Dichlorotetrafluoroethane	10.0	9.25	92	71-141	
1,2-Dichloropropane	10.0	9.17	92	69-128	
Methyl ethyl ketone (MEK)	10.0	8.73	87	72-124	
1,1,2-Trichloroethane	10.0	9.21	92	75-126	
Trichloroethene	10.0	9.35	94	73-122	
1,1,2,2-Tetrachloroethane	10.0	8.81	88	74-126	
Methyl methacrylate	10.0	9.49	95	73-129	
Hexachlorobutadiene	10.0	8.22	82	58-130	
Naphthalene	10.0	8.57	86	50-150	
Xylene, o-	10.0	9.34	93	73-123	
2-Chlorotoluene	10.0	9.61	96	74-126	
1,2-Dichlorobenzene	10.0	9.39	94	68-129	
1,2,4-Trimethylbenzene	10.0	9.51	95	71-129	
2-Hexanone	10.0	9.77	98	57-143	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 52578-03.D
 Lab ID: LCS 200-183932/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.07	91	50-158	
Dichlorodifluoromethane	10.0	8.96	90	61-142	
Freon 22	10.0	8.45	85	60-147	
1,2-Dichlorotetrafluoroethane	10.0	8.59	86	71-141	
Chloromethane	10.0	8.52	85	56-141	
n-Butane	10.0	7.62	76	53-151	
Vinyl chloride	10.0	7.44	74	61-135	
1,3-Butadiene	10.0	6.93	69	58-139	
Bromomethane	10.0	7.34	73	72-124	
Chloroethane	10.0	7.62	76	68-130	
Bromoethene (Vinyl Bromide)	10.0	8.18	82	75-125	
Trichlorofluoromethane	10.0	7.74	77	70-129	
Ethanol	14.7	12.1	83	50-150	
Freon TF	10.0	8.33	83	70-121	
1,1-Dichloroethene	10.0	7.59	76	68-120	
Acetone	10.0	8.20	82	54-154	
Isopropyl alcohol	10.0	8.02	80	53-142	
Carbon disulfide	10.0	8.48	85	71-138	
3-Chloropropene	10.0	7.53	75	50-150	
Methylene Chloride	10.0	8.02	80	59-137	
tert-Butyl alcohol	10.0	8.40	84	66-132	
Methyl tert-butyl ether	10.0	8.33	83	70-127	
trans-1,2-Dichloroethene	10.0	7.76	78	69-137	
n-Hexane	10.0	8.16	82	63-138	
1,1-Dichloroethane	10.0	7.95	80	66-130	
Vinyl acetate	10.0	8.26	83	59-149	
Ethyl acetate	10.0	9.76	98	70-131	
Methyl Ethyl Ketone	10.0	9.66	97	72-124	
cis-1,2-Dichloroethene	10.0	8.40	84	72-121	
Chloroform	10.0	8.93	89	73-124	
Tetrahydrofuran	10.0	8.38	84	60-149	
1,1,1-Trichloroethane	10.0	8.44	84	72-127	
Cyclohexane	10.0	8.83	88	76-124	
Carbon tetrachloride	10.0	8.32	83	71-133	
2,2,4-Trimethylpentane	10.0	8.85	89	68-131	
Benzene	10.0	8.93	89	73-119	
1,2-Dichloroethane	10.0	8.32	83	68-135	
n-Heptane	10.0	8.59	86	60-142	
Trichloroethene	10.0	9.05	90	73-122	
Methyl methacrylate	10.0	10.4	104	73-129	
1,2-Dichloropropane	10.0	9.75	98	69-128	
1,4-Dioxane	10.0	9.67	97	66-129	

Column to be used to flag recovery and RPD values

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 52578-03.D
 Lab ID: LCS 200-183932/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.74	97	75-127	
cis-1,3-Dichloropropene	10.0	10.4	104	74-125	
methyl isobutyl ketone	10.0	10.3	103	58-144	
Toluene	10.0	9.48	95	75-122	
trans-1,3-Dichloropropene	10.0	10.4	104	74-128	
1,1,2-Trichloroethane	10.0	9.51	95	75-126	
Tetrachloroethene	10.0	8.79	88	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.76	98	57-143	
Dibromochloromethane	10.0	9.60	96	73-125	
1,2-Dibromoethane	10.0	9.74	97	78-122	
Chlorobenzene	10.0	9.51	95	76-119	
Ethylbenzene	10.0	9.59	96	74-122	
m,p-Xylene	20.0	18.8	94	76-121	
Xylene, o-	10.0	9.69	97	73-123	
Styrene	10.0	9.92	99	74-125	
Bromoform	10.0	9.79	98	53-149	
Cumene	10.0	9.78	98	73-123	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	74-126	
n-Propylbenzene	10.0	10.0	100	73-127	
4-Ethyltoluene	10.0	9.94	99	75-129	
1,3,5-Trimethylbenzene	10.0	9.78	98	72-126	
2-Chlorotoluene	10.0	9.90	99	74-126	
tert-Butylbenzene	10.0	9.87	99	71-125	
1,2,4-Trimethylbenzene	10.0	10.0	100	71-129	
sec-Butylbenzene	10.0	10.1	101	70-128	
4-Isopropyltoluene	10.0	10.1	101	68-130	
1,3-Dichlorobenzene	10.0	9.84	98	69-131	
1,4-Dichlorobenzene	10.0	10.0	101	67-132	
Benzyl chloride	10.0	10.5	105	60-136	
n-Butylbenzene	10.0	10.5	105	65-137	
1,2-Dichlorobenzene	10.0	9.90	99	68-129	
1,2,4-Trichlorobenzene	10.0	10.1	101	50-150	
Hexachlorobutadiene	10.0	9.18	92	58-130	
Naphthalene	10.0	10.8	108	50-150	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-65051-1
SDG No.: _____
Lab File ID: 52579-004.d Lab Sample ID: MB 200-183934/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHW.i Date Analyzed: 09/26/2022 09:23
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-183934/3	52579-003.d	09/26/2022 08:31
2690	200-65051-1	52579-005.d	09/26/2022 10:28

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65051-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-183934/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>52579-004.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>09/26/2022 09:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183934</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.20	U	0.20	0.10
100-42-5	Styrene	0.20	U	0.20	0.032
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.020
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.089
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.095
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.046
106-99-0	1,3-Butadiene	0.20	U	0.20	0.038
107-05-1	Allyl chloride	0.50	U	0.50	0.11
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.15
108-10-1	Methyl isobutyl ketone (MIBK)	0.50	U	0.50	0.19
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.044
108-88-3	Toluene	0.20	U	0.20	0.093
108-90-7	Chlorobenzene	0.20	U	0.20	0.043
109-99-9	Tetrahydrofuran	5.0	U	5.0	1.2
110-54-3	Hexane	0.50	U	0.50	0.23
110-82-7	Cyclohexane	0.20	U	0.20	0.035
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.19
123-91-1	1,4-Dioxane	0.20	U	0.20	0.16
124-48-1	Dibromochloromethane	0.20	U	0.20	0.031
127-18-4	Tetrachloroethene	0.20	U	0.20	0.027
142-82-5	n-Heptane	0.20	U	0.20	0.059
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.033
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.088
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.080
179601-23-1	m,p-Xylene	0.50	U	0.50	0.17
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.035
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.089
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.032
593-60-2	Vinyl bromide	0.20	U	0.20	0.085
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.051
64-17-5	Ethanol	5.0	U	5.0	0.64
67-63-0	Isopropanol	5.0	U	5.0	0.98
67-64-1	Acetone	5.0	U	5.0	2.0
67-66-3	Chloroform	0.20	U	0.20	0.046

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65051-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-183934/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>52579-004.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>09/26/2022 09:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183934</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.20	U	0.20	0.074
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.039
74-83-9	Bromomethane	0.20	U	0.20	0.052
74-87-3	Chloromethane	0.50	U	0.50	0.12
75-00-3	Chloroethane	0.50	U	0.50	0.25
75-01-4	Vinyl chloride	0.20	U	0.20	0.028
75-09-2	Methylene Chloride	0.50	U	0.50	0.17
75-15-0	Carbon disulfide	0.50	U	0.50	0.13
75-25-2	Bromoform	0.20	U	0.20	0.058
75-27-4	Bromodichloromethane	0.20	U	0.20	0.040
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.029
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.029
75-65-0	tert-Butyl alcohol	5.0	U	5.0	1.2
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.052
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.055
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.055
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.087
78-93-3	Methyl ethyl ketone (MEK)	0.50	U	0.50	0.17
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.034
79-01-6	Trichloroethene	0.20	U	0.20	0.024
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043
80-62-6	Methyl methacrylate	0.50	U	0.50	0.16
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.031
91-20-3	Naphthalene	0.50	U	0.50	0.17
95-47-6	Xylene, o-	0.20	U	0.20	0.094
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.048
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.070
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.047
591-78-6	2-Hexanone	0.50	U	0.50	0.20

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-004.d
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 26-Sep-2022 09:23:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052579-004
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Sep-2022 12:03:49 Calib Date: 09-Jul-2022 01:03:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20220708-51593.b\51593-013.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: BKZ7

Date: 26-Sep-2022 12:03:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.062					ND	7
2 Dichlorodifluoromethane	85		4.158					ND	
3 Chlorodifluoromethane	51		4.196					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.506					ND	
5 Chloromethane	50		4.613					ND	7
6 Vinyl chloride	62		4.918					ND	
7 Butane	43		4.918					ND	7
8 Butadiene	54		5.030					ND	
9 Bromomethane	94		5.736					ND	
10 Chloroethane	64		5.999					ND	
12 2-Methylbutane	43		6.212					ND	7
13 Vinyl bromide	106		6.416					ND	
14 Trichlorofluoromethane	101		6.582					ND	
15 Pentane	43		6.785					ND	
16 Ethanol	45		6.956					ND	7
18 Ethyl ether	59		7.208					ND	7
19 Acrolein	56		7.438					ND	
20 1,1-Dichloroethene	96		7.636					ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.678					ND	
22 Acetone	43		7.716					ND	7
23 Isopropyl alcohol	45		8.021					ND	7
24 Carbon disulfide	76		8.037					ND	7
25 Acetonitrile	41		8.208					ND	
26 3-Chloro-1-propene	41		8.326					ND	7
27 Methylene Chloride	49		8.556					ND	7
28 2-Methyl-2-propanol	59		8.786					ND	
29 Acrylonitrile	53		8.957					ND	7
30 trans-1,2-Dichloroethene	61		9.059					ND	7
31 Methyl tert-butyl ether	73		9.075					ND	7
32 Hexane	57		9.561					ND	
33 1,1-Dichloroethane	63		9.807					ND	
34 Vinyl acetate	43		9.829					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
36 2-Butanone (MEK)	72		10.776					ND	
37 cis-1,2-Dichloroethene	96		10.797					ND	7
38 Ethyl acetate	88		10.872					ND	
* 39 Chlorobromomethane	128	11.199	11.204	-0.005	72	209431	10.0	10.0	
40 Tetrahydrofuran	42		11.263					ND	
41 Chloroform	83		11.386					ND	
42 1,1,1-Trichloroethane	97		11.685					ND	
43 Cyclohexane	84		11.824					ND	
44 Carbon tetrachloride	117		11.969					ND	
45 Benzene	78		12.306					ND	7
46 1,2-Dichloroethane	62		12.386					ND	
47 Isooctane	57		12.530					ND	
48 n-Heptane	43		12.846					ND	7
* 49 1,4-Difluorobenzene	114	13.050	13.049	0.001	95	1088732	10.0	10.0	
50 n-Butanol	56		13.290					ND	MU
51 Trichloroethene	95		13.477					ND	
A 52 GRO	1	13.913	(6.202-21.624)		0	3837406		0	
53 1,2-Dichloropropane	63		13.932					ND	
54 Methyl methacrylate	69		14.028					ND	
55 1,4-Dioxane	88		14.077					ND	
57 Dibromomethane	174	14.103	14.087	0.016	35	595		0.0120	
58 Dichlorobromomethane	83		14.398					ND	
59 cis-1,3-Dichloropropene	75		15.200					ND	7
A 60 TVOC as Toluene	1	15.248	(4.052-26.444)		0	4350527		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.467					ND	7
62 Toluene	92		15.842					ND	7
A 63 Toluene Range	1	15.847	(15.772-15.922)		0	18998		NC	
64 n-Octane	43		16.099					ND	7
A 65 C8 Range	1		(16.035-16.184)					ND	
66 trans-1,3-Dichloropropene	75		16.254					ND	7
67 1,1,2-Trichloroethane	83		16.628					ND	
68 Tetrachloroethene	166		16.832					ND	7
69 2-Hexanone	43		17.051					ND	7
70 Chlorodibromomethane	129		17.367					ND	MU
71 Ethylene Dibromide	107		17.602					ND	7
* 73 Chlorobenzene-d5	117	18.512	18.511	0.001	92	881426	10.0	10.0	
74 Chlorobenzene	112	18.560	18.581	-0.016	8	1479		0.0154	
75 Ethylbenzene	91		18.768					ND	7
76 m-Xylene & p-Xylene	106		19.030					ND	7
77 n-Nonane	57		19.111					ND	
78 o-Xylene	106		19.806					ND	
79 Styrene	104		19.844					ND	MU
S 80 Xylenes, Total	106		20.100					ND	7
81 Bromoform	173		20.197					ND	7
82 Isopropylbenzene	105		20.534					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.063					ND	MU
84 1,2,3-Trichloropropane	75		21.165					ND	7
85 N-Propylbenzene	91		21.272					ND	7
86 2-Chlorotoluene	91		21.416					ND	7
87 4-Ethyltoluene	105	21.475	21.481	0.000	86	2308		0.0124	
88 1,3,5-Trimethylbenzene	105		21.571					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.614					ND	
90 Alpha Methyl Styrene	118		21.903					ND	MU
91 tert-Butylbenzene	119		22.064					ND	7
92 1,2,4-Trimethylbenzene	105	22.155	22.156	0.006	20	2001		0.0116	
93 sec-Butylbenzene	105		22.390					ND	7
94 1,3-Dichlorobenzene	146	22.567	22.568	0.006	97	4569		0.0470	
95 4-Isopropyltoluene	119	22.615	22.616	0.006	19	2771		0.0128	
96 1,4-Dichlorobenzene	146	22.716	22.712	0.010	90	3930		0.0427	
97 Benzyl chloride	91	22.861	22.862	0.006	94	4502		0.0391	
98 n-Butylbenzene	91	23.166	23.172	0.000	91	3748		0.0217	
99 1,2-Dichlorobenzene	146	23.187	23.199	-0.005	87	4760		0.0477	
100 Undecane	57		23.321					ND	7
101 Dodecane	57		24.872					ND	7
102 1,2,4-Trichlorobenzene	180	25.579	25.581	0.006	87	4176		0.0654	
103 Hexachlorobutadiene	225	25.819	25.821	0.005	83	2474		0.0205	
104 Naphthalene	128	26.033	26.041	0.000	96	7810		0.0541	
105 1,2,3-Trichlorobenzene	180	26.429	26.442	-0.005	88	3074		0.0475	
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha 1			0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-004.d

Injection Date: 26-Sep-2022 09:23:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

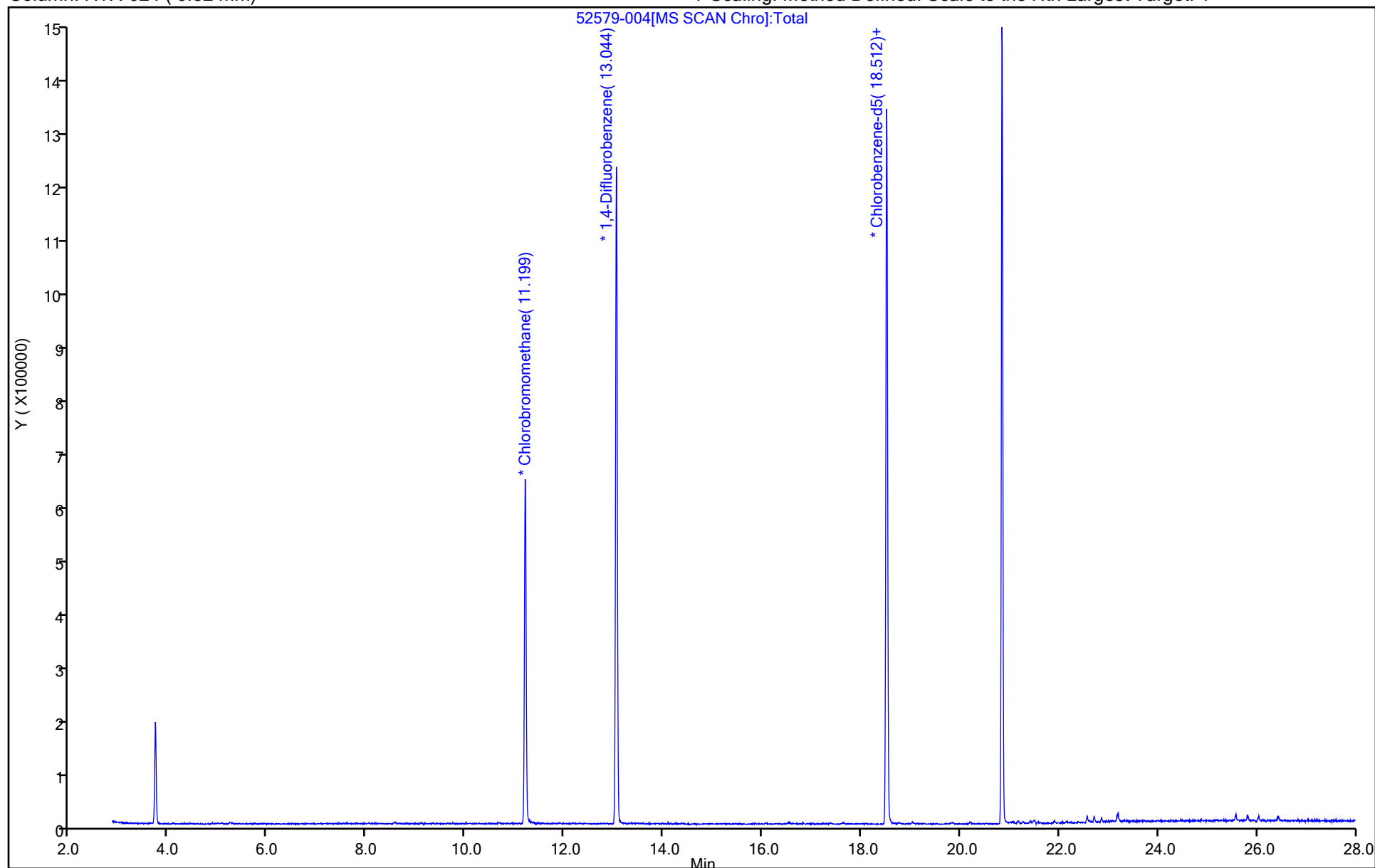
ALS Bottle#: 3

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

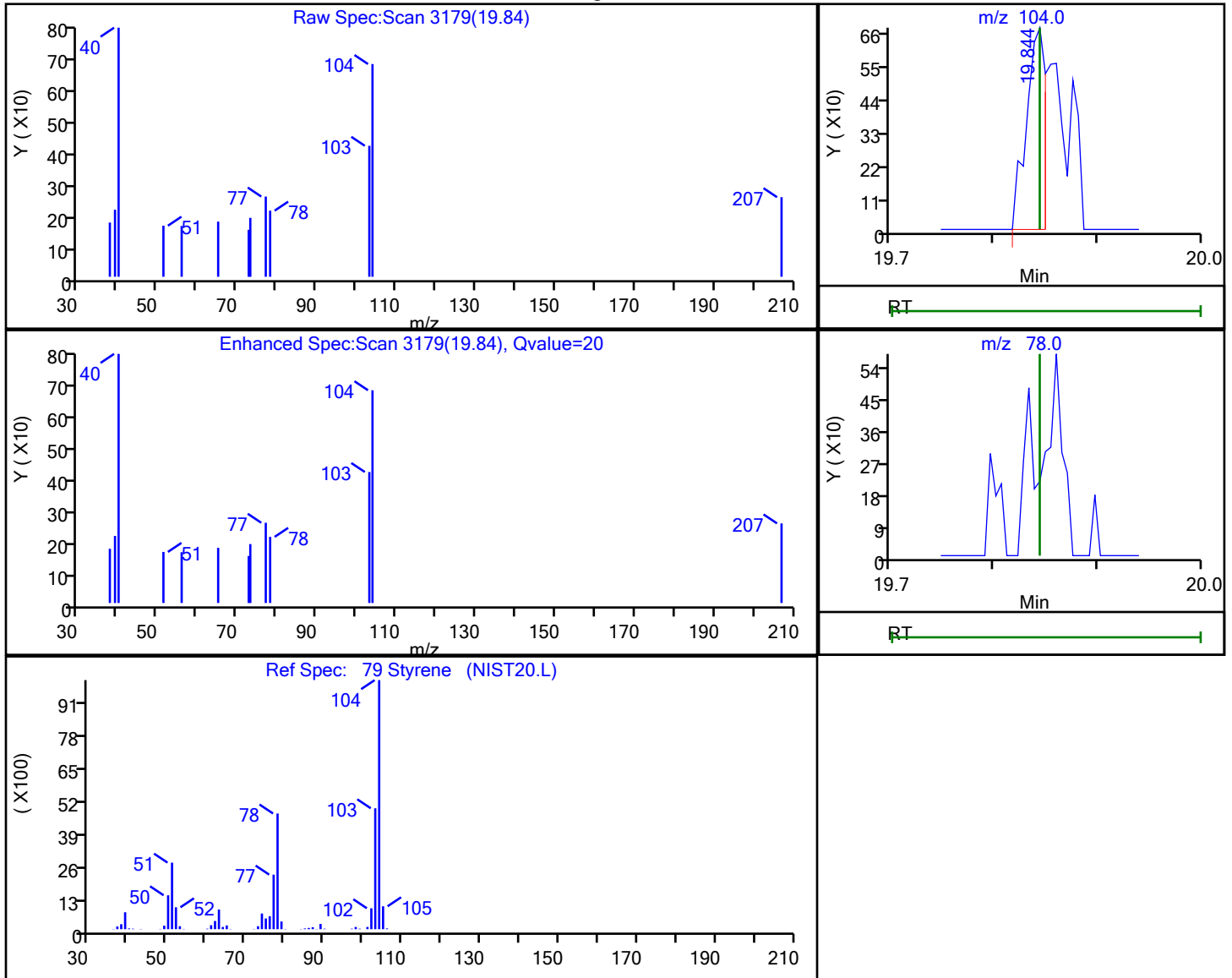


Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-004.d
Injection Date: 26-Sep-2022 09:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

79 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
19.84	104.00	875	0.010014
19.84	78.00	0	

Reviewer: BKZ7, 26-Sep-2022 12:03:08

Audit Action: Marked Compound Undetected

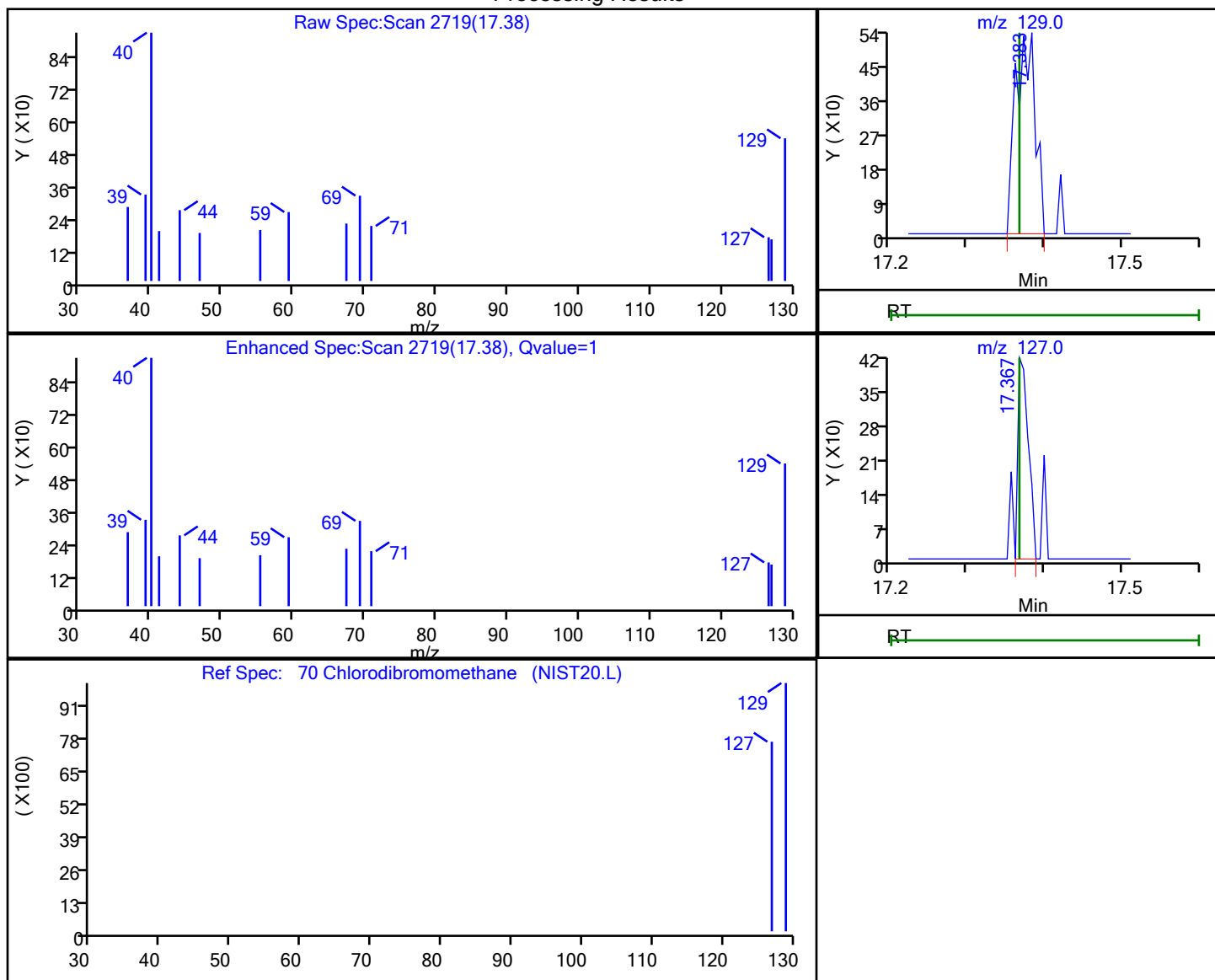
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-004.d
Injection Date: 26-Sep-2022 09:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

70 Chlorodibromomethane, CAS: 124-48-1

Processing Results



RT	Mass	Response	Amount
17.38	129.00	936	0.010471
17.37	127.00	389	

Reviewer: BKZ7, 26-Sep-2022 12:03:15

Audit Action: Marked Compound Undetected

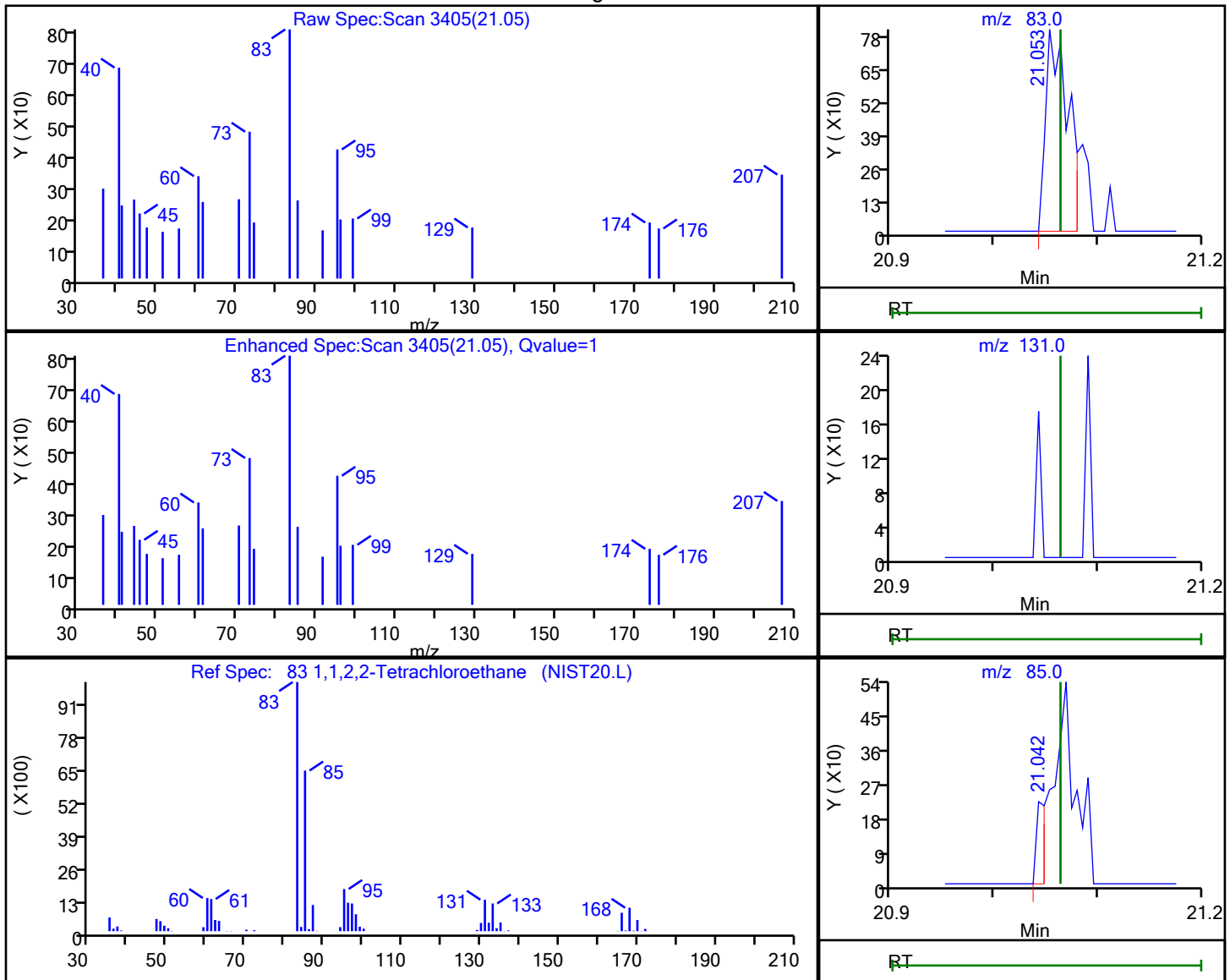
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-004.d
Injection Date: 26-Sep-2022 09:23:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.05	83.00	1209	0.017963
21.06	131.00	0	
21.04	85.00	137	

Reviewer: BKZ7, 26-Sep-2022 12:03:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-65052-1
SDG No.: _____
Lab File ID: 52578-04.D Lab Sample ID: MB 200-183932/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHC.i Date Analyzed: 09/26/2022 09:29
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-183932/3	52578-03.D	09/26/2022 08:35
5047	200-65052-1	52578-05.D	09/26/2022 10:30

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65052-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-183932/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>52578-04.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>09/26/2022 09:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183932</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.50	U	0.50	0.50
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65052-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-183932/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>52578-04.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>09/26/2022 09:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183932</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-183932/4
 Matrix: Air Lab File ID: 52578-04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 09/26/2022 09:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 183932 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20220926-52578.b\52578-04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 26-Sep-2022 09:29:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052578-004
 Operator ID: vtp Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20220926-52578.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Sep-2022 07:19:50 Calib Date: 23-Sep-2022 01:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20220922-52543.b\52543-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1613

First Level Reviewer: puangmaleek

Date: 27-Sep-2022 07:19:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		2.810					ND	7
2 Dichlorodifluoromethane	85		2.869					ND	7
3 Chlorodifluoromethane	51		2.906					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.098					ND	7
5 Chloromethane	50		3.200					ND	7
6 Butane	43		3.386					ND	7
7 Vinyl chloride	62		3.413					ND	
8 Butadiene	54		3.477					ND	
9 Bromomethane	94		4.059					ND	
10 Chloroethane	64		4.267					ND	
11 2-Methylbutane	43		4.379					ND	
13 Vinyl bromide	106		4.630					ND	
14 Trichlorofluoromethane	101		4.747					ND	7
15 Pentane	43		4.897					ND	7
16 Ethanol	45		5.308					ND	7
17 Ethyl ether	59		5.398					ND	
18 Acrolein	56		5.676					ND	
19 1,1,2-Trichloro-1,2,2-trifluoro	101		5.777					ND	
20 1,1-Dichloroethene	96		5.783					ND	
21 Acetone	43		5.991					ND	7
22 Carbon disulfide	76		6.140					ND	7
23 Isopropyl alcohol	45		6.359					ND	7
24 3-Chloro-1-propene	41		6.514					ND	7
25 Acetonitrile	41		6.562					ND	
26 Methylene Chloride	49		6.791					ND	7
28 2-Methyl-2-propanol	59		7.133					ND	
29 trans-1,2-Dichloroethene	61		7.250					ND	7
30 Methyl tert-butyl ether	73		7.272					ND	7
31 Acrylonitrile	53		7.314					ND	7
32 Hexane	57		7.693					ND	
33 1,1-Dichloroethane	63		8.072					ND	
34 Vinyl acetate	43		8.179					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 cis-1,2-Dichloroethene	96		9.150					ND	7
36 2-Butanone (MEK)	72		9.204					ND	
37 Ethyl acetate	88		9.300					ND	
* 38 Chlorobromomethane	128	9.583	9.577	0.006	93	330349	20.0	20.0	
39 Tetrahydrofuran	42		9.663					ND	7
40 Chloroform	83		9.737					ND	
41 1,1,1-Trichloroethane	97		10.009					ND	
42 Cyclohexane	84		10.031					ND	
S 43 1,2-Dichloroethene, Total	61		10.200					ND	7
44 Carbon tetrachloride	117		10.282					ND	
45 Benzene	78		10.693					ND	7
46 Isooctane	57		10.762					ND	
47 1,2-Dichloroethane	62		10.837					ND	
48 n-Heptane	43		11.168					ND	7
* 49 1,4-Difluorobenzene	114	11.536	11.541	-0.005	97	2226208	20.0	20.0	
50 Trichloroethene	95		12.005					ND	
51 n-Butanol	56		12.043					ND	
53 1,2-Dichloropropane	63		12.496					ND	
A 54 GRO	1	12.566	(4.369-20.763)		0	10767283		0	
56 Dibromomethane	174		12.747					ND	7
55 Methyl methacrylate	69		12.747					ND	
57 1,4-Dioxane	88		12.801					ND	
58 Dichlorobromomethane	83		13.073					ND	
59 cis-1,3-Dichloropropene	75		14.033					ND	7
A 60 TVOC as Toluene	1	14.252	(2.800-25.705)		0	10869806		0	
61 4-Methyl-2-pentanone (MIBK)	43		14.370					ND	7
62 Toluene	92		14.653					ND	7
A 63 Toluene Range	1	14.653	(14.613-14.693)		0	11868		NC	
64 n-Octane	43		14.845					ND	7
A 65 C8 Range	1		(14.795-14.895)					ND	
66 trans-1,3-Dichloropropene	75		15.245					ND	7
67 1,1,2-Trichloroethane	83		15.608					ND	
68 Tetrachloroethene	166		15.784					ND	7
69 2-Hexanone	43		16.126					ND	7
70 Chlorodibromomethane	129		16.376					ND	7
71 Ethylene Dibromide	107		16.622					ND	7
* 72 Chlorobenzene-d5	117	17.561	17.566	-0.005	92	2664015	20.0	20.0	
73 Chlorobenzene	112		17.625					ND	7
74 Ethylbenzene	91		17.807					ND	7
75 n-Nonane	57		18.052					ND	7
76 m-Xylene & p-Xylene	106		18.063					ND	7
77 o-Xylene	106		18.895					ND	
78 Styrene	104		18.938					ND	7
80 Bromoform	173		19.344					ND	7
81 Isopropylbenzene	105		19.648					ND	7
S 82 Xylenes, Total	106		20.100					ND	7
83 1,1,2,2-Tetrachloroethane	83		20.347					ND	7
84 1,2,3-Trichloropropane	75		20.432					ND	7
85 N-Propylbenzene	91		20.464					ND	7
86 2-Chlorotoluene	91		20.657					ND	7
87 4-Ethyltoluene	105		20.678					ND	7
88 n-Decane	57		20.753					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105		20.795					ND	7
90 Alpha Methyl Styrene	118		21.190					ND	7
91 tert-Butylbenzene	119		21.324					ND	7
92 1,2,4-Trimethylbenzene	105		21.425					ND	7
93 sec-Butylbenzene	105		21.676					ND	7
95 1,3-Dichlorobenzene	146		21.895					ND	7
94 4-Isopropyltoluene	119		21.900					ND	7
96 1,4-Dichlorobenzene	146		22.039					ND	7
97 Benzyl chloride	91		22.231					ND	7
98 n-Butylbenzene	91		22.487					ND	7
100 1,2-Dichlorobenzene	146		22.567					ND	7
99 Undecane	57		22.583					ND	7
101 Dodecane	57		24.062					ND	7
102 1,2,4-Trichlorobenzene	180	24.894	24.867	0.027	31	4811		0.0245	
103 Hexachlorobutadiene	225		25.081					ND	7
104 Naphthalene	128	25.311	25.311	0.043	95	14552		0.0371	M
105 1,2,3-Trichlorobenzene	180	25.721	25.695	0.026	37	5501		0.0343	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15CISs_00011

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20220926-52578.b\52578-04.D

Injection Date: 26-Sep-2022 09:29:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

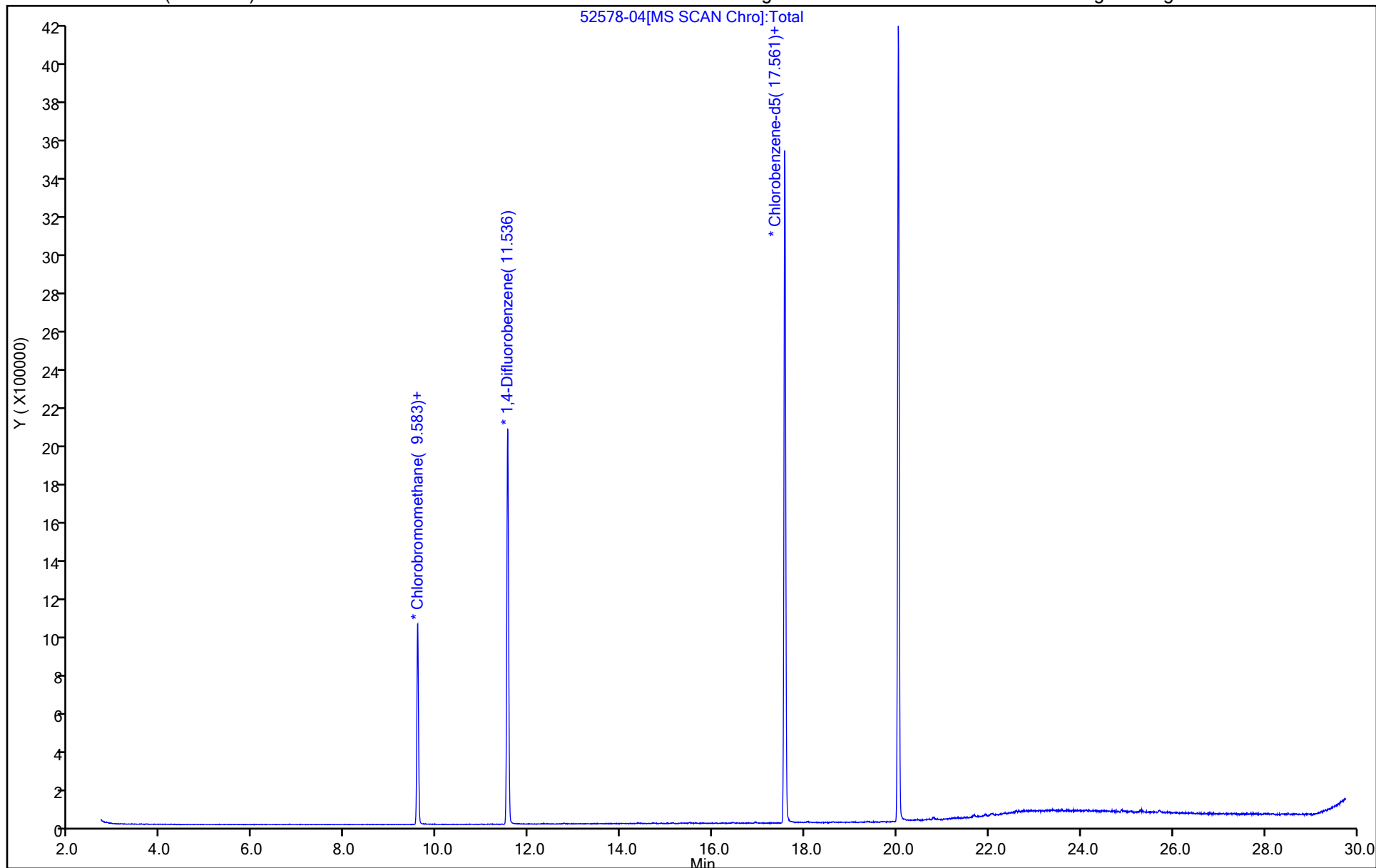
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

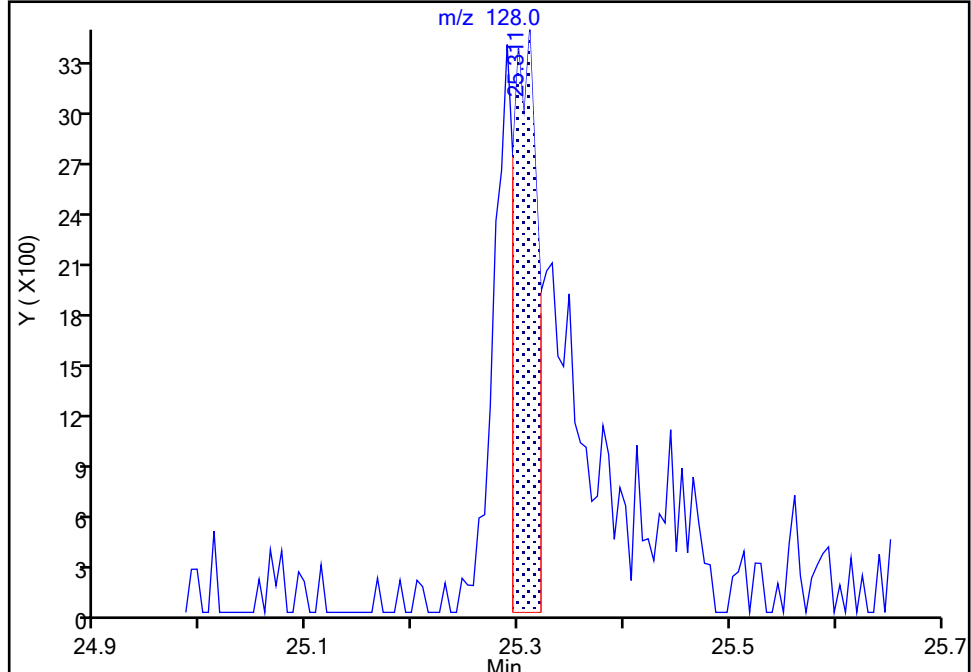
Data File: \\chromfs\Burlington\ChromData\CHC.i\20220926-52578.b\52578-04.D
Injection Date: 26-Sep-2022 09:29:30 Instrument ID: CHC.i
Lims ID: mb
Client ID:
Operator ID: vtp ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

104 Naphthalene, CAS: 91-20-3

Signal: 1

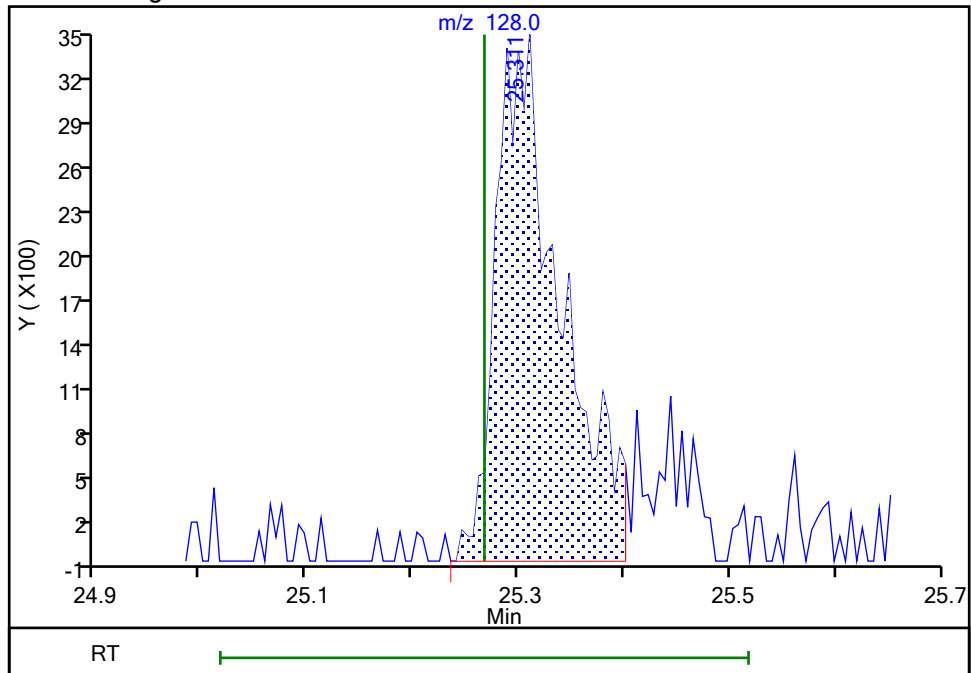
RT: 25.31
Area: 5439
Amount: 0.013855
Amount Units: ppb v/v

Processing Integration Results



RT: 25.31
Area: 14552
Amount: 0.037070
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 27-Sep-2022 07:19:44

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1
SDG No.: _____
Lab File ID: 51593-001.d BFB Injection Date: 07/08/2022
Instrument ID: CHW.i BFB Injection Time: 14:27
Analysis Batch No.: 181495

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.8
75	30.0 - 66.0% of mass 95	54.2
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	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	92.7
175	4.0 - 9.0 % of mass 174	7.0 (7.5) 1
176	93.0 - 101.0% of mass 174	91.0 (98.1) 1
177	5.0 - 9.0% of mass 176	6.0 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-181495/4	51593-004.d	07/08/2022	17:08
	IC 200-181495/5	51593-005.d	07/08/2022	18:01
	IC 200-181495/6	51593-006.d	07/08/2022	18:54
	IC 200-181495/7	51593-007.d	07/08/2022	19:47
	ICIS 200-181495/8	51593-008.d	07/08/2022	20:39
	IC 200-181495/9	51593-009.d	07/08/2022	21:32
	IC 200-181495/12	51593-012.d	07/09/2022	0:10
	IC 200-181495/13	51593-013.d	07/09/2022	1:03
	ICV 200-181495/18	51593-018.d	07/09/2022	5:26

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1
SDG No.: _____
Lab File ID: 52579-001.d BFB Injection Date: 09/26/2022
Instrument ID: CHW.i BFB Injection Time: 06:48
Analysis Batch No.: 183934

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.9
75	30.0 - 66.0% of mass 95	54.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	90.2
175	4.0 - 9.0 % of mass 174	6.9 (7.6) 1
176	93.0 - 101.0% of mass 174	86.8 (96.3) 1
177	5.0 - 9.0% of mass 176	5.7 (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 200-183934/2	52579-002.d	09/26/2022	7:39
	LCS 200-183934/3	52579-003.d	09/26/2022	8:31
	MB 200-183934/4	52579-004.d	09/26/2022	9:23
2690	200-65051-1	52579-005.d	09/26/2022	10:28

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1
SDG No.: _____
Lab File ID: 52543-01.D BFB Injection Date: 09/22/2022
Instrument ID: CHC.i BFB Injection Time: 14:36
Analysis Batch No.: 183827

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.4
75	30.0 - 66.0% of mass 95	55.5
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	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	77.7
175	4.0 - 9.0 % of mass 174	6.8 (8.8) 1
176	93.0 - 101.0% of mass 174	75.4 (97.1) 1
177	5.0 - 9.0% of mass 176	5.1 (6.7) 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 200-183827/4	52543-04.D	09/22/2022	17:16
	IC 200-183827/5	52543-05.D	09/22/2022	18:10
	IC 200-183827/6	52543-06.D	09/22/2022	19:04
	IC 200-183827/7	52543-07.D	09/22/2022	19:59
	ICIS 200-183827/8	52543-08.D	09/22/2022	20:53
	IC 200-183827/9	52543-09.D	09/22/2022	21:47
	IC 200-183827/12	52543-12.D	09/23/2022	0:30
	IC 200-183827/13	52543-13.D	09/23/2022	1:24
	ICV 200-183827/16	52543-16.D	09/23/2022	4:08

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1
SDG No.: _____
Lab File ID: 52578-01.D BFB Injection Date: 09/26/2022
Instrument ID: CHC.i BFB Injection Time: 06:52
Analysis Batch No.: 183932

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.7
75	30.0 - 66.0% of mass 95	56.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	71.9
175	4.0 - 9.0 % of mass 174	6.1 (8.5) 1
176	93.0 - 101.0% of mass 174	69.5 (96.8) 1
177	5.0 - 9.0% of mass 176	4.6 (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 200-183932/2	52578-02.D	09/26/2022	7:40
	LCS 200-183932/3	52578-03.D	09/26/2022	8:35
	MB 200-183932/4	52578-04.D	09/26/2022	9:29
5047	200-65052-1	52578-05.D	09/26/2022	10:30

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1
 SDG No.: _____
 Sample No.: ICIS 200-181495/8 Date Analyzed: 07/08/2022 20:39
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 51593-008.d Heated Purge: (Y/N) N
 Calibration ID: 48529

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	214167	11.21	1098106	13.06	950772	18.52
UPPER LIMIT	299834	11.54	1537348	13.39	1331081	18.85
LOWER LIMIT	128500	10.88	658864	12.73	570463	18.19
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-181495/18		231684	11.21	1186827	13.06	1031136 18.52

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1
 SDG No.: _____
 Sample No.: CCVIS 200-183934/2 Date Analyzed: 09/26/2022 07:39
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 52579-002.d Heated Purge: (Y/N) N
 Calibration ID: 48529

		BCM		DFBZ		CBNZd5		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		228760	11.20	1110814	13.05	938660	18.51	
UPPER LIMIT		320264	11.53	1555140	13.38	1314124	18.84	
LOWER LIMIT		137256	10.87	666488	12.72	563196	18.18	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 200-183934/3		221790	11.20	1134342	13.04	988529	18.51	
MB 200-183934/4		209431	11.20	1088732	13.05	881426	18.51	
200-65051-1		2690	203796	11.20	1047177	13.05	849057	18.52

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1
 SDG No.: _____
 Sample No.: ICIS 200-183827/8 Date Analyzed: 09/22/2022 20:53
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 52543-08.D Heated Purge: (Y/N) N
 Calibration ID: 49006

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	282032	9.58	1746552	11.54	1962884	17.57
UPPER LIMIT	394845	9.91	2445173	11.87	2748038	17.90
LOWER LIMIT	169219	9.25	1047931	11.21	1177730	17.24
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-183827/16		232615	9.58	1407761	11.54	1587838
						17.57

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1
 SDG No.: _____
 Sample No.: CCVIS 200-183932/2 Date Analyzed: 09/26/2022 07:40
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 52578-02.D Heated Purge: (Y/N) N
 Calibration ID: 49006

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		336286	9.58	2245018	11.54	2763729	17.57
UPPER LIMIT		470800	9.91	3143025	11.87	3869221	17.90
LOWER LIMIT		201772	9.25	1347011	11.21	1658237	17.24
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-183932/3		346775	9.58	2332694	11.54	2887078	17.57
MB 200-183932/4		330349	9.58	2226208	11.54	2664015	17.56
200-65052-1		5047	294166	9.58	1992859	11.54	2384147

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65051-1</u>
SDG No.: _____	
Client Sample ID: <u>2690</u>	Lab Sample ID: <u>200-65051-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>52579-005.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>09/24/2022 00:00</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>09/26/2022 10:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183934</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.20	U	0.20	0.10
100-42-5	Styrene	0.20	U	0.20	0.032
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.020
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.089
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.095
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.046
106-99-0	1,3-Butadiene	0.20	U	0.20	0.038
107-05-1	Allyl chloride	0.50	U	0.50	0.11
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.15
108-10-1	Methyl isobutyl ketone (MIBK)	0.50	U	0.50	0.19
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.044
108-88-3	Toluene	0.20	U	0.20	0.093
108-90-7	Chlorobenzene	0.20	U	0.20	0.043
109-99-9	Tetrahydrofuran	5.0	U	5.0	1.2
110-54-3	Hexane	0.50	U	0.50	0.23
110-82-7	Cyclohexane	0.20	U	0.20	0.035
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.19
123-91-1	1,4-Dioxane	0.20	U	0.20	0.16
124-48-1	Dibromochloromethane	0.20	U	0.20	0.031
127-18-4	Tetrachloroethene	0.030	J	0.20	0.027
142-82-5	n-Heptane	0.20	U	0.20	0.059
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.033
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.088
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.080
179601-23-1	m,p-Xylene	0.50	U	0.50	0.17
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.035
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.089
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.032
593-60-2	Vinyl bromide	0.20	U	0.20	0.085
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.051
64-17-5	Ethanol	5.0	U	5.0	0.64
67-63-0	Isopropanol	5.0	U	5.0	0.98
67-64-1	Acetone	5.0	U	5.0	2.0
67-66-3	Chloroform	0.20	U	0.20	0.046

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65051-1</u>
SDG No.: _____	
Client Sample ID: <u>2690</u>	Lab Sample ID: <u>200-65051-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>52579-005.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>09/24/2022 00:00</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>09/26/2022 10:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183934</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.20	U	0.20	0.074
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.039
74-83-9	Bromomethane	0.20	U	0.20	0.052
74-87-3	Chloromethane	0.50	U	0.50	0.12
75-00-3	Chloroethane	0.50	U	0.50	0.25
75-01-4	Vinyl chloride	0.20	U	0.20	0.028
75-09-2	Methylene Chloride	0.50	U	0.50	0.17
75-15-0	Carbon disulfide	0.50	U	0.50	0.13
75-25-2	Bromoform	0.20	U	0.20	0.058
75-27-4	Bromodichloromethane	0.20	U	0.20	0.040
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.029
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.029
75-65-0	tert-Butyl alcohol	5.0	U	5.0	1.2
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.052
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.055
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.055
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.087
78-93-3	Methyl ethyl ketone (MEK)	0.50	U	0.50	0.17
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.034
79-01-6	Trichloroethene	0.20	U	0.20	0.024
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043
80-62-6	Methyl methacrylate	0.50	U	0.50	0.16
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.031
91-20-3	Naphthalene	0.50	U	0.50	0.17
95-47-6	Xylene, o-	0.20	U	0.20	0.094
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.048
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.070
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.047
591-78-6	2-Hexanone	0.50	U	0.50	0.20

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-005.d
 Lims ID: 200-65051-A-1
 Client ID: 2690
 Sample Type: Client
 Inject. Date: 26-Sep-2022 10:28:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0052579-005
 Operator ID: vtp Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Sep-2022 07:48:33 Calib Date: 09-Jul-2022 01:03:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20220708-51593.b\51593-013.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1652

First Level Reviewer: bunmaa

Date: 27-Sep-2022 07:48:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.062				ND	7
2 Dichlorodifluoromethane	85		4.158				ND	
3 Chlorodifluoromethane	51		4.196				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.506				ND	
5 Chloromethane	50		4.613				ND	
6 Vinyl chloride	62		4.918				ND	
7 Butane	43		4.918				ND	7
8 Butadiene	54		5.030				ND	
9 Bromomethane	94		5.736				ND	
10 Chloroethane	64		5.999				ND	
13 Vinyl bromide	106		6.416				ND	
14 Trichlorofluoromethane	101		6.582				ND	
16 Ethanol	45		6.956				ND	7
20 1,1-Dichloroethene	96		7.636				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.678				ND	
22 Acetone	43		7.716				ND	7
23 Isopropyl alcohol	45		8.021				ND	7
24 Carbon disulfide	76	8.037	8.037	0.000	64	2450	0.0352	M
26 3-Chloro-1-propene	41		8.326				ND	7
27 Methylene Chloride	49		8.556				ND	7
28 2-Methyl-2-propanol	59		8.786				ND	
30 trans-1,2-Dichloroethene	61		9.059				ND	7
31 Methyl tert-butyl ether	73		9.075				ND	7
32 Hexane	57		9.561				ND	
33 1,1-Dichloroethane	63		9.807				ND	
34 Vinyl acetate	43		9.829				ND	7
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
36 2-Butanone (MEK)	72		10.776				ND	
37 cis-1,2-Dichloroethene	96		10.797				ND	7
38 Ethyl acetate	88		10.872				ND	
* 39 Chlorobromomethane	128	11.204	11.204	0.000	72	203796	10.0	
40 Tetrahydrofuran	42		11.263				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Chloroform	83		11.386				ND	
42 1,1,1-Trichloroethane	97		11.685				ND	
43 Cyclohexane	84		11.824				ND	
44 Carbon tetrachloride	117		11.969				ND	
45 Benzene	78		12.306				ND	7
46 1,2-Dichloroethane	62		12.386				ND	
47 Isooctane	57		12.530				ND	
48 n-Heptane	43		12.846				ND	7
* 49 1,4-Difluorobenzene	114	13.049	13.049	0.000	95	1047177	10.0	
51 Trichloroethene	95		13.477				ND	
53 1,2-Dichloropropane	63		13.932				ND	
54 Methyl methacrylate	69		14.028				ND	
55 1,4-Dioxane	88		14.077				ND	
57 Dibromomethane	174		14.087				ND	7
58 Dichlorobromomethane	83		14.398				ND	
59 cis-1,3-Dichloropropene	75		15.200				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.467				ND	7
62 Toluene	92		15.842				ND	7
66 trans-1,3-Dichloropropene	75		16.254				ND	
67 1,1,2-Trichloroethane	83		16.628				ND	
68 Tetrachloroethene	166	16.826	16.826	-0.006	73	2140	0.0305	M
69 2-Hexanone	43		17.051				ND	7
70 Chlorodibromomethane	129		17.367				ND	
71 Ethylene Dibromide	107		17.602				ND	7
* 73 Chlorobenzene-d5	117	18.517	18.511	0.006	92	849057	10.0	
74 Chlorobenzene	112		18.576				ND	7
75 Ethylbenzene	91		18.768				ND	7
76 m-Xylene & p-Xylene	106		19.030				ND	7
78 o-Xylene	106		19.806				ND	
79 Styrene	104		19.844				ND	
S 80 Xylenes, Total	106		20.100				ND	7
81 Bromoform	173		20.197				ND	7
82 Isopropylbenzene	105		20.534				ND	7
83 1,1,2,2-Tetrachloroethane	83		21.063				ND	7
85 N-Propylbenzene	91		21.272				ND	7
86 2-Chlorotoluene	91		21.416				ND	7
87 4-Ethyltoluene	105		21.475				ND	7
88 1,3,5-Trimethylbenzene	105		21.571				ND	7
91 tert-Butylbenzene	119		22.064				ND	
92 1,2,4-Trimethylbenzene	105		22.149				ND	7
93 sec-Butylbenzene	105		22.390				ND	7
94 1,3-Dichlorobenzene	146	22.572	22.572	0.011	9	1419	0.0151	M
95 4-Isopropyltoluene	119		22.609				ND	7
96 1,4-Dichlorobenzene	146	22.716	22.716	0.010	17	1498	0.0169	M
97 Benzyl chloride	91		22.855				ND	MU
98 n-Butylbenzene	91	23.166	23.166	0.000	13	1552	0.009347	7M
99 1,2-Dichlorobenzene	146	23.198	23.193	0.006	37	1478	0.0154	
102 1,2,4-Trichlorobenzene	180	25.584	25.573	0.011	1	1225	0.0199	
103 Hexachlorobutadiene	225		25.814				ND	7
104 Naphthalene	128		26.033				ND	MU

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-005.d

Injection Date: 26-Sep-2022 10:28:30

Instrument ID: CHW.i

Operator ID: vtp

Lims ID: 200-65051-A-1

Lab Sample ID: 200-65051-1

Worklist Smp#: 5

Client ID: 2690

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

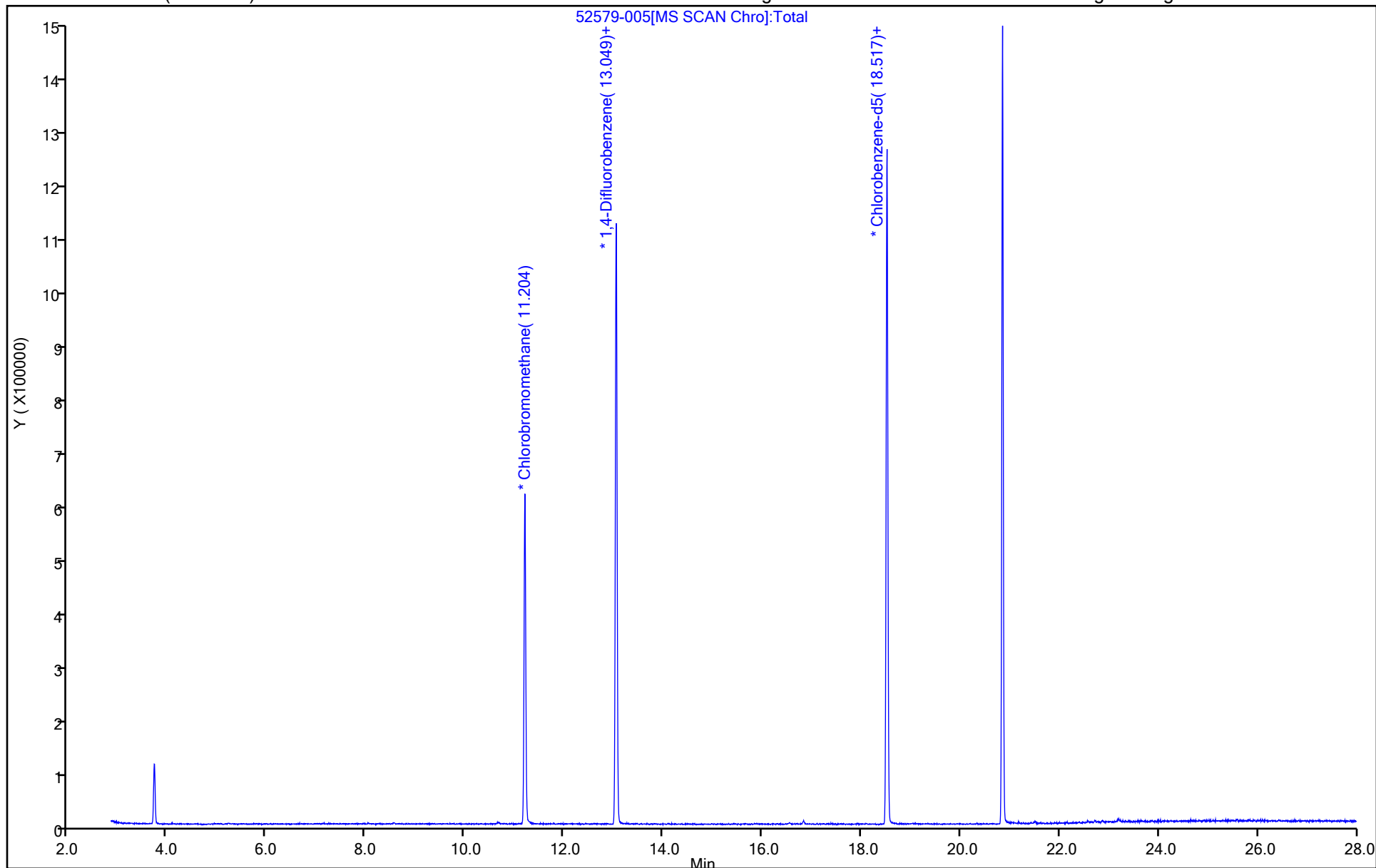
ALS Bottle#: 4

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

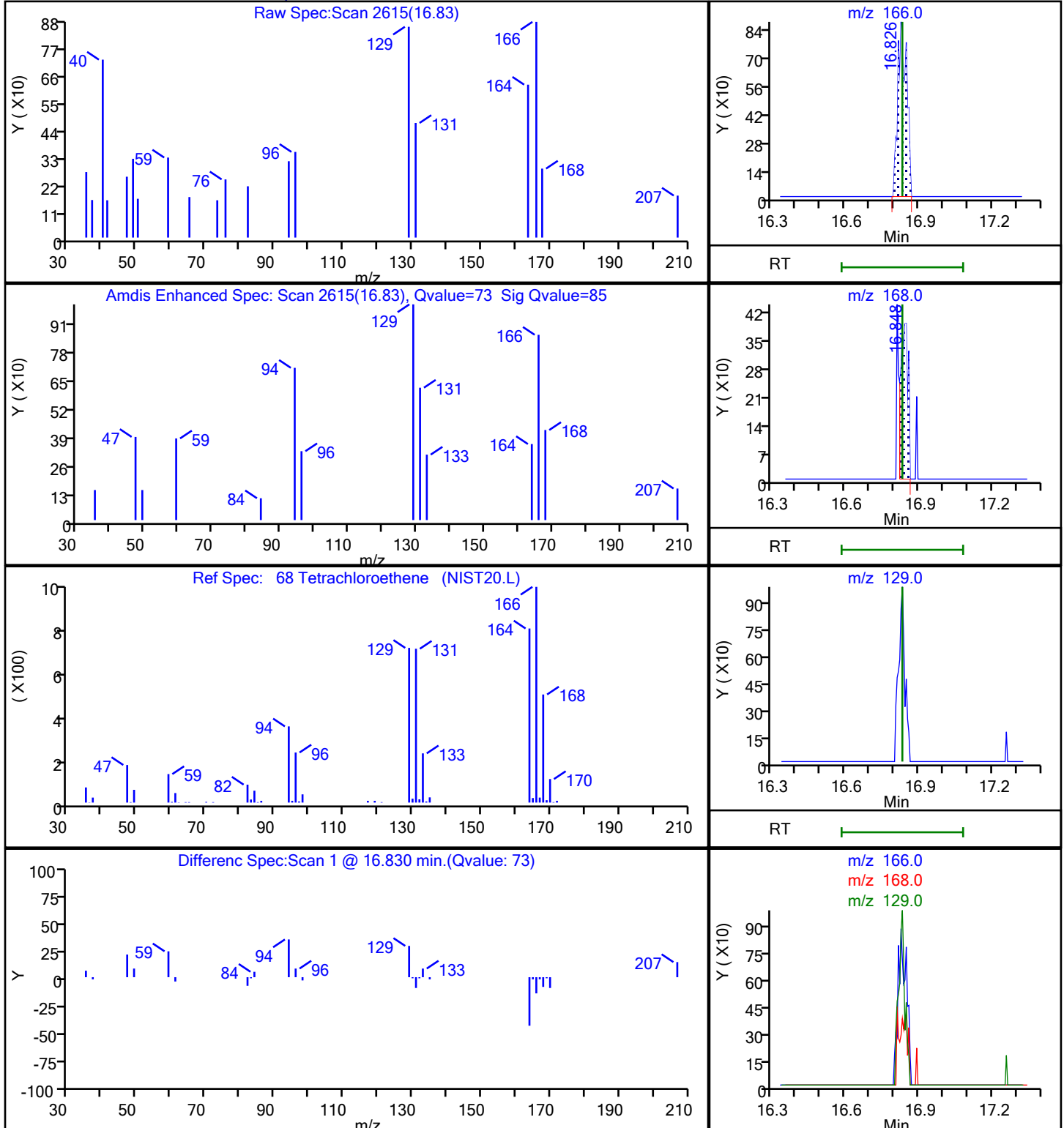
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-005.d
Injection Date: 26-Sep-2022 10:28:30 Instrument ID: CHW.i
Lims ID: 200-65051-A-1 Lab Sample ID: 200-65051-1
Client ID: 2690
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

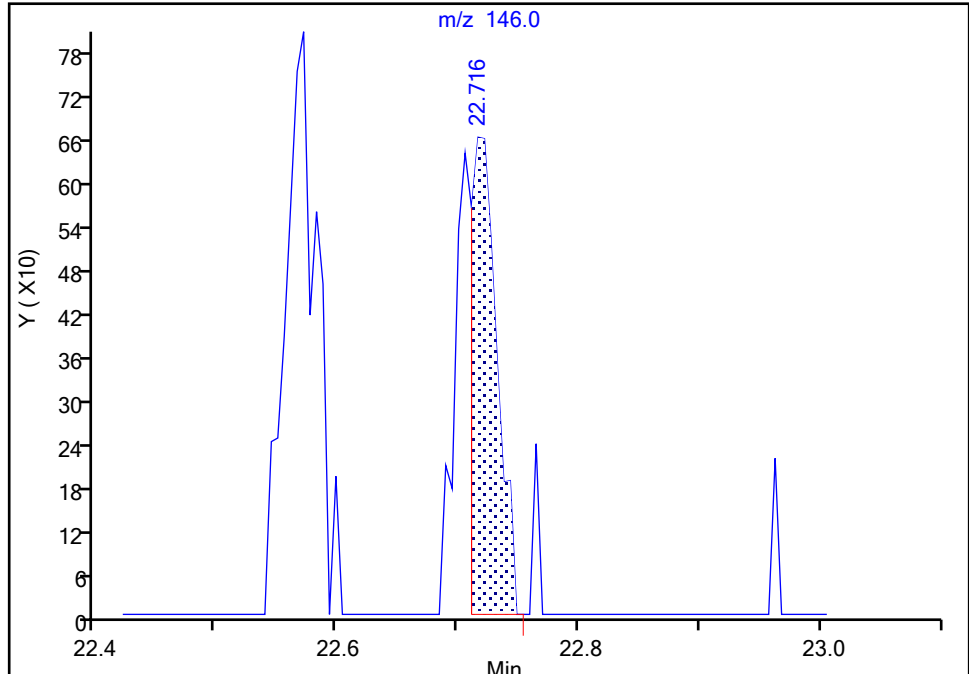
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-005.d		
Injection Date:	26-Sep-2022 10:28:30	Instrument ID:	CHW.i
Lims ID:	200-65051-A-1	Lab Sample ID:	200-65051-1
Client ID:	2690		
Operator ID:	vtp	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

96 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

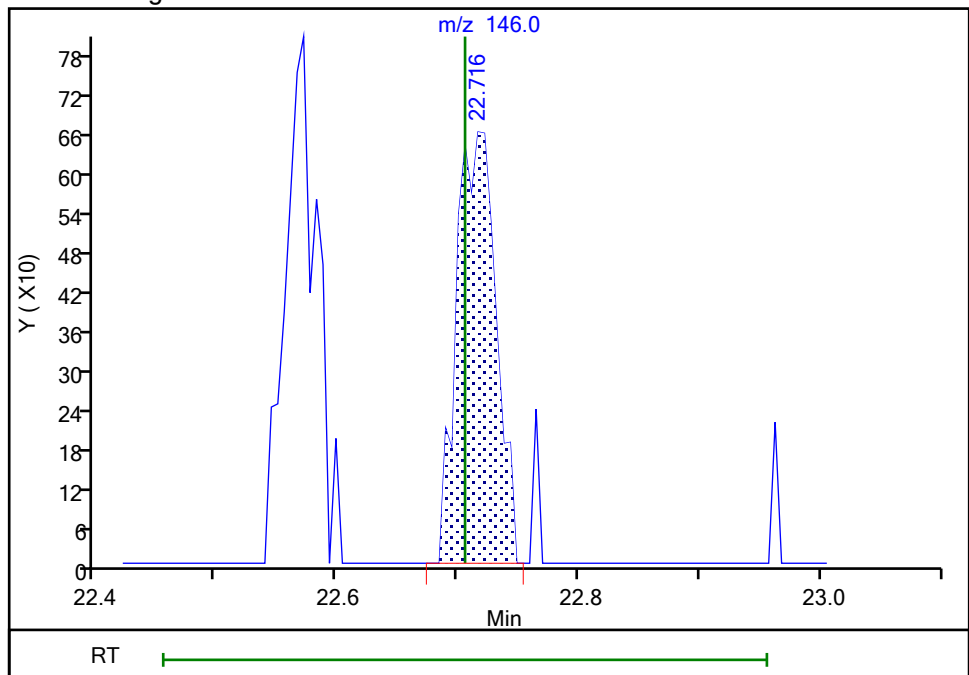
RT: 22.72
Area: 1000
Amount: 0.011284
Amount Units: ppb v/v

Processing Integration Results



RT: 22.72
Area: 1498
Amount: 0.016903
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 27-Sep-2022 07:47:01

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

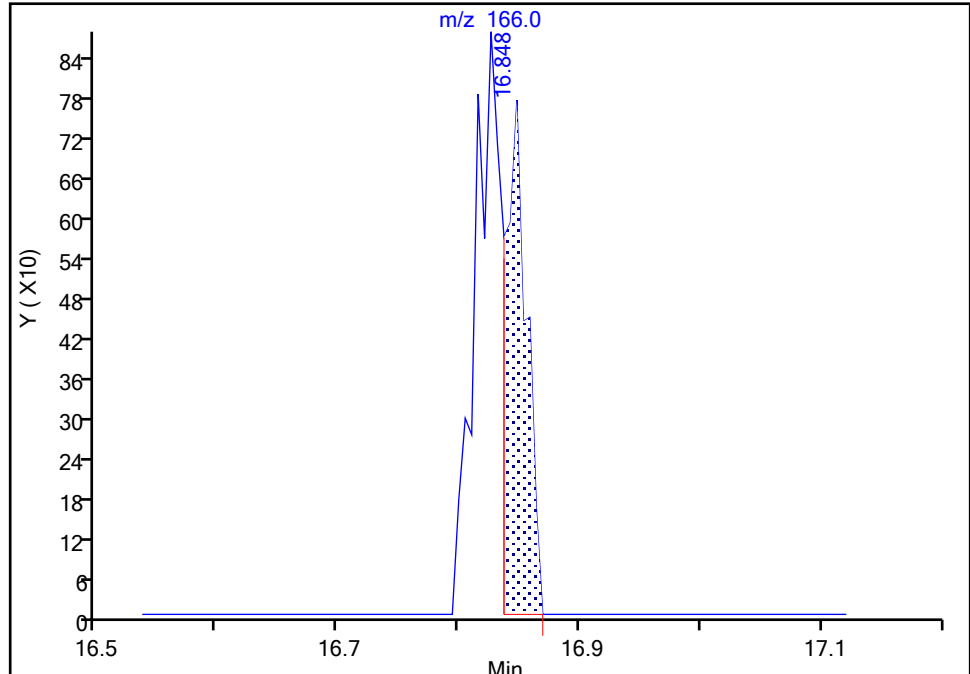
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-005.d		
Injection Date:	26-Sep-2022 10:28:30	Instrument ID:	CHW.i
Lims ID:	200-65051-A-1	Lab Sample ID:	200-65051-1
Client ID:	2690		
Operator ID:	vtp	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

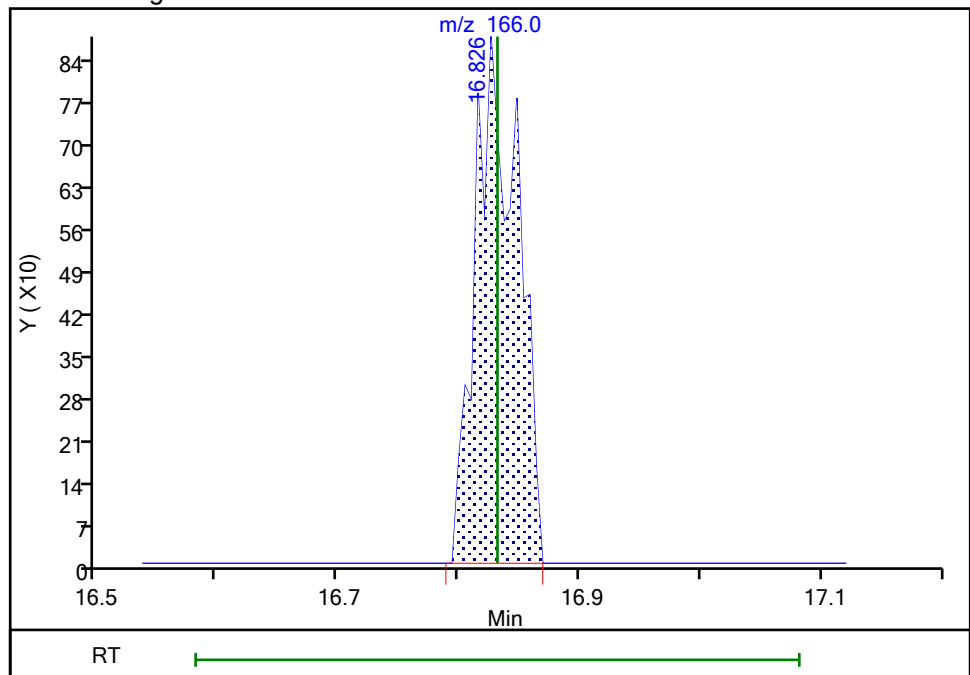
RT: 16.85
Area: 959
Amount: 0.013646
Amount Units: ppb v/v

Processing Integration Results



RT: 16.83
Area: 2140
Amount: 0.030451
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 27-Sep-2022 07:45:39

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

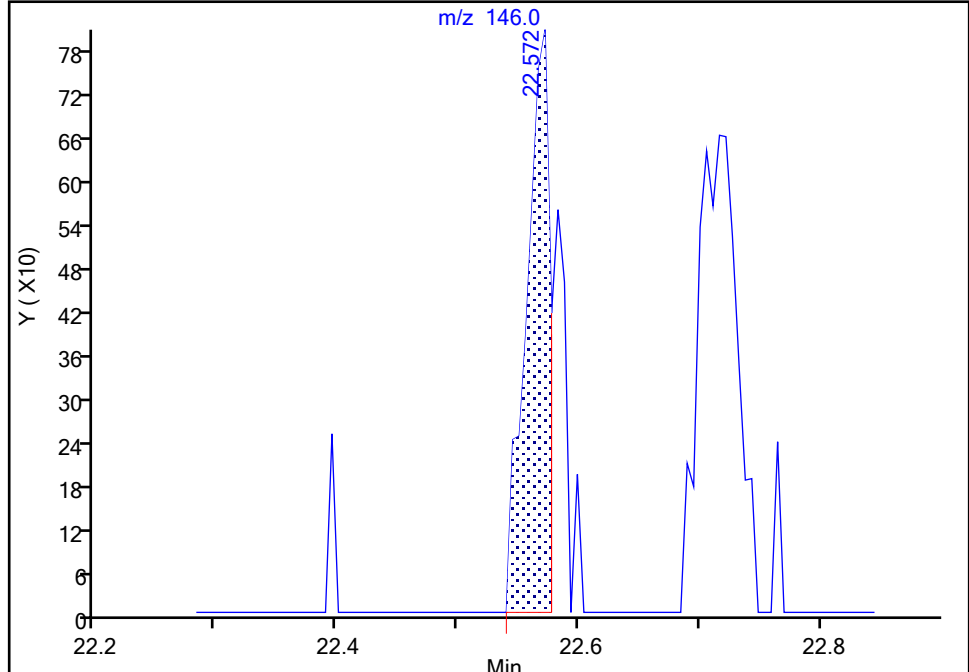
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-005.d		
Injection Date:	26-Sep-2022 10:28:30	Instrument ID:	CHW.i
Lims ID:	200-65051-A-1	Lab Sample ID:	200-65051-1
Client ID:	2690		
Operator ID:	vtp	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

94 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

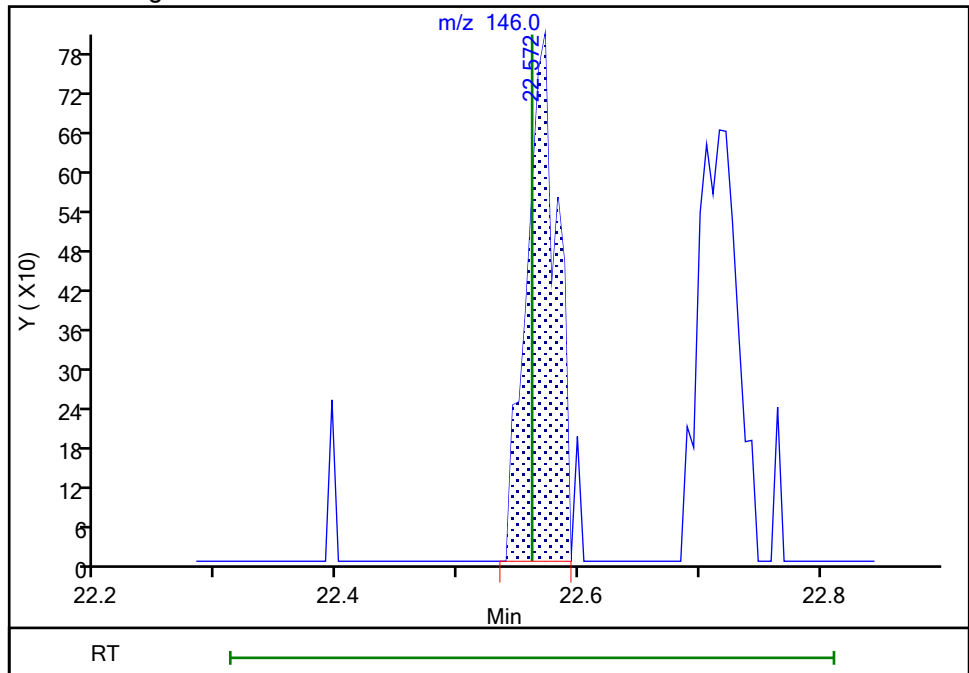
RT: 22.57
Area: 1093
Amount: 0.011660
Amount Units: ppb v/v

Processing Integration Results



RT: 22.57
Area: 1419
Amount: 0.015138
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 27-Sep-2022 07:46:40
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 403 of 450

10/20/2022

Eurofins Burlington

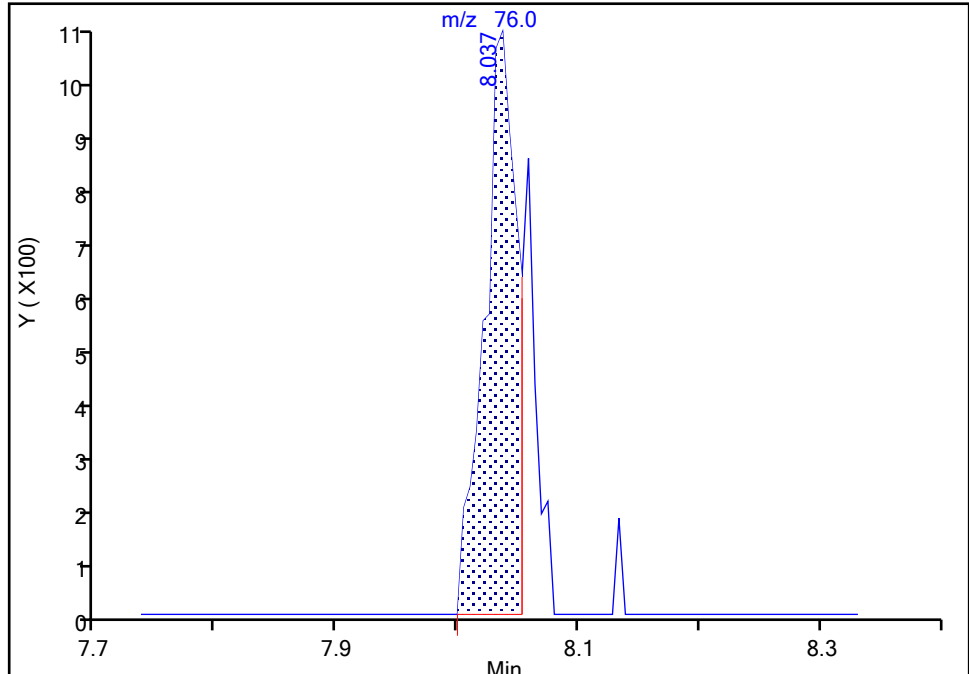
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-005.d		
Injection Date:	26-Sep-2022 10:28:30	Instrument ID:	CHW.i
Lims ID:	200-65051-A-1	Lab Sample ID:	200-65051-1
Client ID:	2690		
Operator ID:	vtp	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

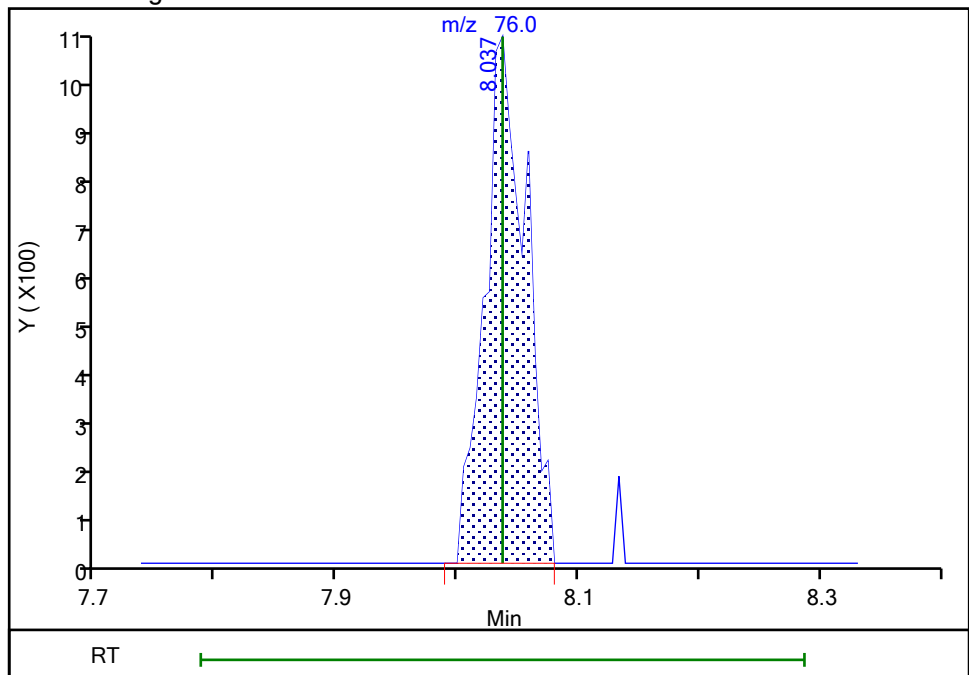
RT: 8.04
Area: 1936
Amount: 0.027847
Amount Units: ppb v/v

Processing Integration Results



RT: 8.04
Area: 2450
Amount: 0.035240
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 27-Sep-2022 07:44:23
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 404 of 450

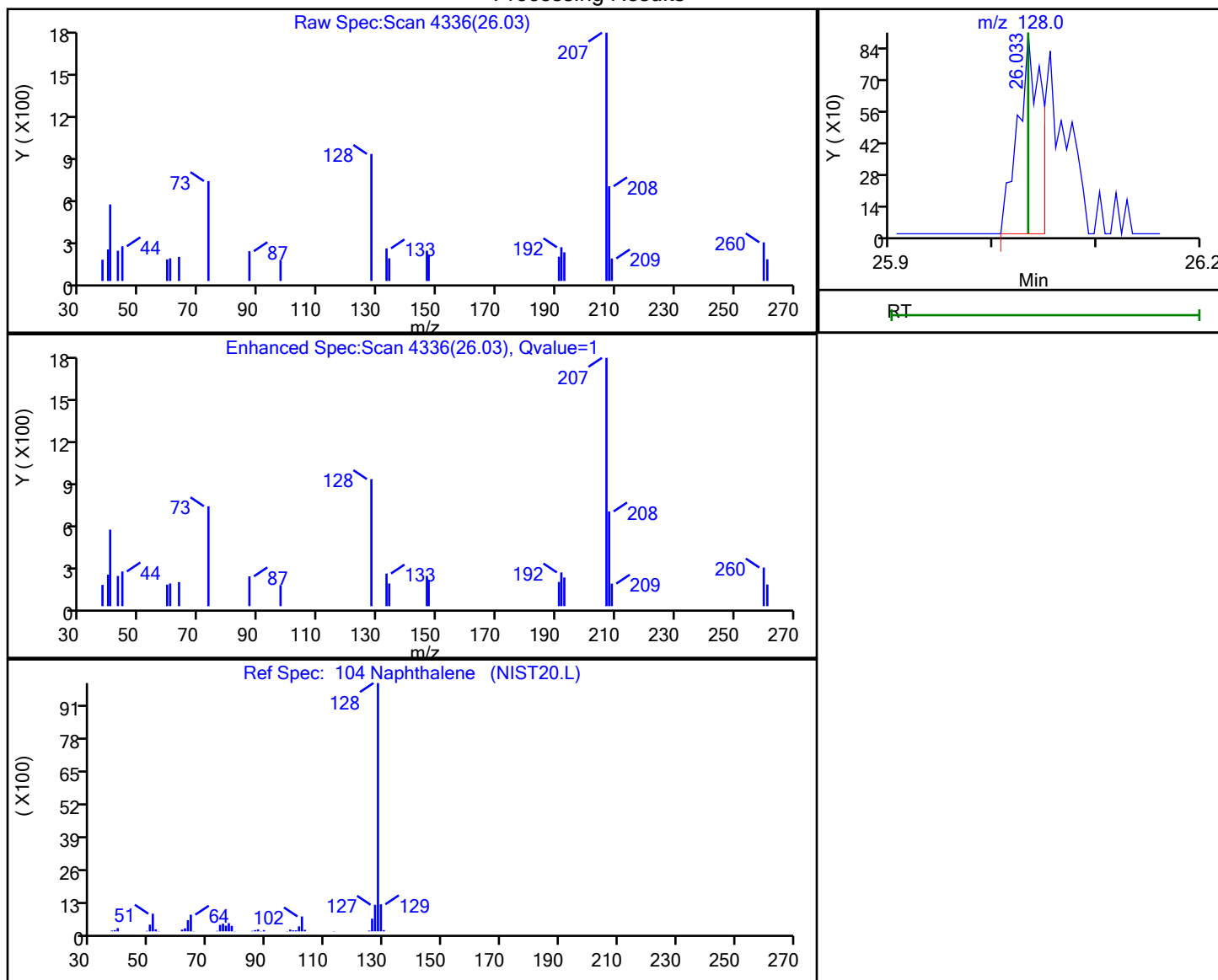
10/20/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20220926-52579.b\52579-005.d
Injection Date: 26-Sep-2022 10:28:30 Instrument ID: CHW.i
Lims ID: 200-65051-A-1 Lab Sample ID: 200-65051-1
Client ID: 2690
Operator ID: vtp ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

104 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
26.03	128.00	1391	0.010010

Reviewer: bunmaa, 27-Sep-2022 07:48:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65052-1</u>
SDG No.: _____	
Client Sample ID: <u>5047</u>	Lab Sample ID: <u>200-65052-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>52578-05.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>09/24/2022 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>09/26/2022 10:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183932</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65052-1</u>
SDG No.: _____	
Client Sample ID: <u>5047</u>	Lab Sample ID: <u>200-65052-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>52578-05.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>09/24/2022 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>09/26/2022 10:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183932</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-65052-1</u>
SDG No.: _____	
Client Sample ID: <u>5047</u>	Lab Sample ID: <u>200-65052-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>52578-05.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>09/24/2022 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>09/26/2022 10:30</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>183932</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20220926-52578.b\52578-05.D
 Lims ID: 200-65052-A-1
 Client ID: 5047
 Sample Type: Client
 Inject. Date: 26-Sep-2022 10:30:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0052578-005
 Operator ID: vtp Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20220926-52578.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Sep-2022 07:19:50 Calib Date: 23-Sep-2022 01:24:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20220922-52543.b\52543-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1613

First Level Reviewer: puangmaleek

Date: 27-Sep-2022 07:20:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.810				ND	7
2 Dichlorodifluoromethane	85		2.869				ND	7
3 Chlorodifluoromethane	51		2.906				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.098				ND	7
5 Chloromethane	50		3.200				ND	7
6 Butane	43		3.386				ND	7
7 Vinyl chloride	62		3.413				ND	
8 Butadiene	54		3.477				ND	
9 Bromomethane	94		4.059				ND	
10 Chloroethane	64		4.267				ND	
13 Vinyl bromide	106		4.630				ND	
14 Trichlorofluoromethane	101		4.747				ND	
16 Ethanol	45		5.308				ND	7
19 1,1,2-Trichloro-1,2,2-trifluoro	101		5.777				ND	
20 1,1-Dichloroethene	96		5.783				ND	
21 Acetone	43		5.991				ND	7
22 Carbon disulfide	76	6.151	6.140	0.011	63	1637	0.0215	
23 Isopropyl alcohol	45		6.359				ND	7
24 3-Chloro-1-propene	41		6.514				ND	7
26 Methylene Chloride	49		6.791				ND	7
28 2-Methyl-2-propanol	59		7.133				ND	
29 trans-1,2-Dichloroethene	61		7.250				ND	7
30 Methyl tert-butyl ether	73		7.272				ND	7
32 Hexane	57		7.693				ND	
33 1,1-Dichloroethane	63		8.072				ND	
34 Vinyl acetate	43		8.179				ND	7
35 cis-1,2-Dichloroethene	96		9.150				ND	
36 2-Butanone (MEK)	72		9.204				ND	7
37 Ethyl acetate	88		9.300				ND	
* 38 Chlorobromomethane	128	9.582	9.577	0.005	94	294166	20.0	
39 Tetrahydrofuran	42		9.663				ND	7
40 Chloroform	83		9.737				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 1,1,1-Trichloroethane	97		10.009				ND	
42 Cyclohexane	84		10.031				ND	
S 43 1,2-Dichloroethene, Total	61		10.200				ND	7
44 Carbon tetrachloride	117		10.282				ND	
45 Benzene	78		10.693				ND	7
46 Isooctane	57		10.762				ND	
47 1,2-Dichloroethane	62		10.837				ND	
48 n-Heptane	43		11.168				ND	7
* 49 1,4-Difluorobenzene	114	11.541	11.541	0.000	97	1992859	20.0	
50 Trichloroethene	95		12.005				ND	
53 1,2-Dichloropropane	63		12.496				ND	
56 Dibromomethane	174		12.747				ND	7
55 Methyl methacrylate	69		12.747				ND	
57 1,4-Dioxane	88		12.801				ND	
58 Dichlorobromomethane	83		13.073				ND	
59 cis-1,3-Dichloropropene	75		14.033				ND	7
61 4-Methyl-2-pentanone (MIBK)	43		14.370				ND	7
62 Toluene	92		14.653				ND	7
66 trans-1,3-Dichloropropene	75		15.245				ND	7
67 1,1,2-Trichloroethane	83		15.608				ND	
68 Tetrachloroethene	166		15.784				ND	7
69 2-Hexanone	43		16.126				ND	7
70 Chlorodibromomethane	129		16.376				ND	7
71 Ethylene Dibromide	107		16.622				ND	7
* 72 Chlorobenzene-d5	117	17.566	17.566	0.000	93	2384147	20.0	
73 Chlorobenzene	112		17.625				ND	7
74 Ethylbenzene	91		17.807				ND	7
76 m-Xylene & p-Xylene	106		18.063				ND	
77 o-Xylene	106		18.895				ND	
78 Styrene	104		18.938				ND	
80 Bromoform	173		19.344				ND	7
81 Isopropylbenzene	105		19.648				ND	7
S 82 Xylenes, Total	106		20.100				ND	7
83 1,1,2,2-Tetrachloroethane	83		20.347				ND	
85 N-Propylbenzene	91		20.464				ND	7
86 2-Chlorotoluene	91		20.657				ND	7
87 4-Ethyltoluene	105		20.678				ND	7
89 1,3,5-Trimethylbenzene	105		20.795				ND	7
91 tert-Butylbenzene	119		21.324				ND	7
92 1,2,4-Trimethylbenzene	105		21.425				ND	7
93 sec-Butylbenzene	105		21.676				ND	7
95 1,3-Dichlorobenzene	146		21.895				ND	7
94 4-Isopropyltoluene	119		21.900				ND	7
96 1,4-Dichlorobenzene	146		22.039				ND	7
97 Benzyl chloride	91		22.231				ND	7
98 n-Butylbenzene	91		22.487				ND	7
100 1,2-Dichlorobenzene	146		22.567				ND	7
102 1,2,4-Trichlorobenzene	180		24.867				ND	7
103 Hexachlorobutadiene	225		25.081				ND	7
104 Naphthalene	128		25.268				ND	7

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

[Reagents:](#)

ATTO15CISs_00011

Amount Added: 40.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20220926-52578.b\52578-05.D

Injection Date: 26-Sep-2022 10:30:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: 200-65052-A-1

Lab Sample ID: 200-65052-1

Worklist Smp#: 5

Client ID: 5047

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

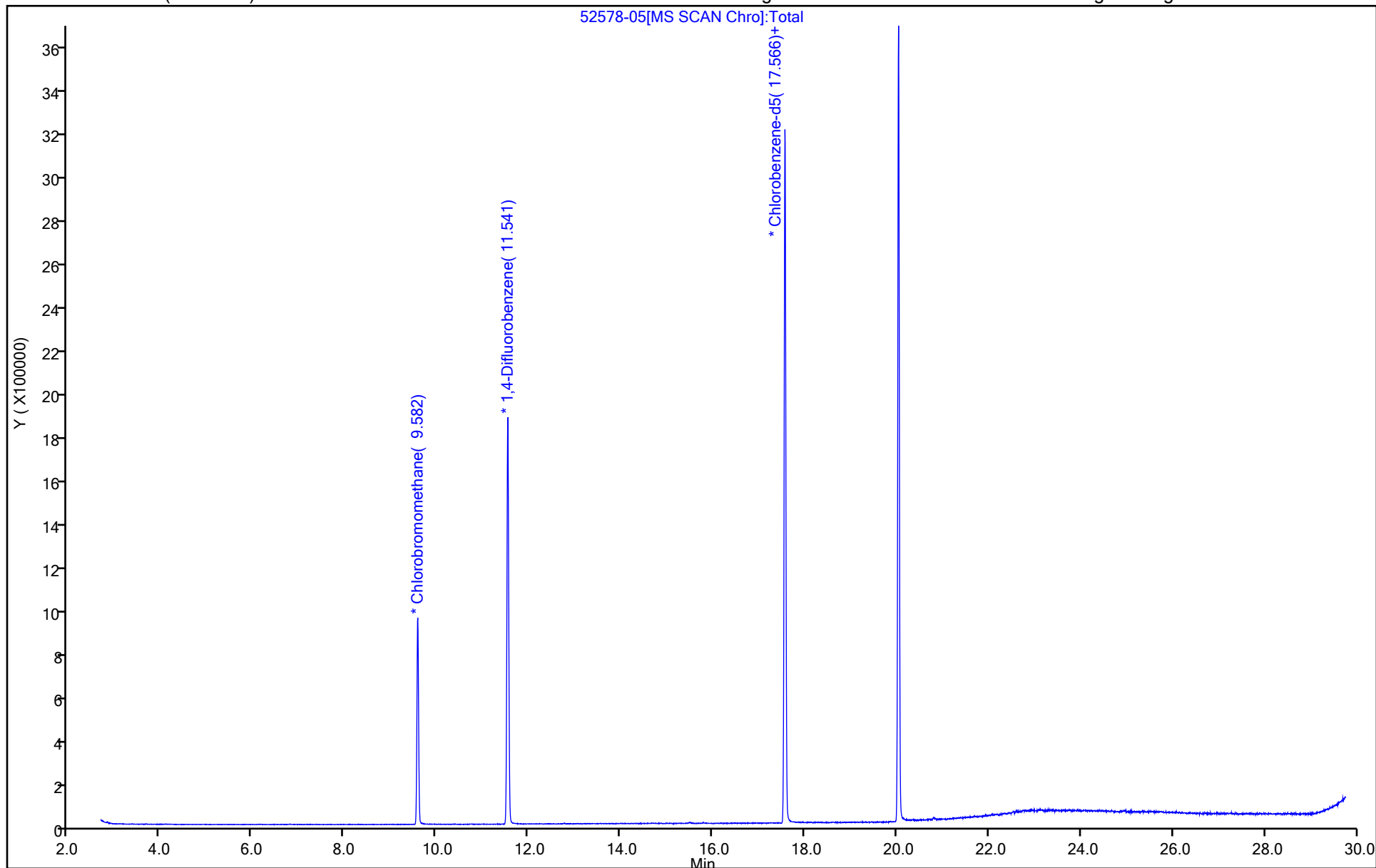
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: Eurofins Burlington Job No.: 200-65051-1 Analy Batch No.: 181495
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2022 17:08 Calibration End Date: 07/09/2022 01:03 Calibration ID: 48529

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-181495/4	51593-004.d
Level 2	IC 200-181495/5	51593-005.d
Level 3	IC 200-181495/6	51593-006.d
Level 4	IC 200-181495/7	51593-007.d
Level 5	ICIS 200-181495/8	51593-008.d
Level 6	IC 200-181495/9	51593-009.d
Level 7	IC 200-181495/12	51593-012.d
Level 8	IC 200-181495/13	51593-013.d

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														
Dichlorodifluoromethane	++++ 6.2460	++++ 5.1260	7.1862 6.0411	6.2597	6.2869	Ave		6.191 0				10.6		30.0			
1,2-Dichlorotetrafluoroethane	++++ 5.1404	5.9843 4.9845	6.0425 5.0481	5.1040	5.1580	Ave		5.351 7				8.5		30.0			
Chloromethane	++++ 1.0085	++++ 0.9615	1.1364 0.9886	0.9691	0.9870	Ave		1.008 5				6.4		30.0			
Vinyl chloride	1.9021 1.1988	1.4638 1.1378	1.3184 1.1952	1.1232	1.1585	Ave		1.312 2				20.1		30.0			
1,3-Butadiene	1.1222 0.8407	0.8375 0.7891	0.9311 0.8358	0.7808	0.7977	Ave		0.866 9				13.1		30.0			
Bromomethane	++++ 1.5030	1.8696 1.4272	1.7567 1.4808	1.4466	1.4901	Ave		1.567 7				11.0		30.0			
Chloroethane	++++ 0.6680	++++ 0.6298	0.7880 0.6611	0.6375	0.6478	Ave		0.672 1				8.7		30.0			
Vinyl bromide	++++ 1.5562	1.7371 1.4736	1.7306 1.5480	1.4787	1.5271	Ave		1.578 8				7.0		30.0			
Trichlorofluoromethane	++++ 6.6014	7.6622 6.3410	7.6063 6.4824	6.5239	6.5811	Ave		6.828 3				8.2		30.0			
Ethanol	++++ 0.5223	++++ 0.4384	0.4720 0.4707	0.4046	0.4284	Ave		0.456 1				9.1		30.0			
1,1-Dichloroethene	2.2418 1.4170	1.6710 1.3519	1.5754 1.4134	1.3732	1.4033	Ave		1.555 9				19.2		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 3.5424	3.9048 3.4096	3.9536 3.5015	3.4315	3.4889	Ave		3.604 6				6.3		30.0			
Acetone	++++ 2.5017	++++ 2.2477	++++ 2.3837	2.1202	2.2041	Ave		2.291 5				6.6		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 Burlington Job No.: 200-65051-1 Analy Batch No.: 181495

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2022 17:08 Calibration End Date: 07/09/2022 01:03 Calibration ID: 48529

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 5		B	M1	M2								
Isopropanol	++++ 1.9217	++++ 1.8070	++++ 1.9428	1.7913	1.8400	Ave		1.860 6				3.7		30.0			
Carbon disulfide	++++ 3.3905	++++ 3.2624	3.8736 3.4161	3.2308	3.2949	Ave		3.411 4				7.0		30.0			
Allyl chloride	++++ 1.3890	1.6084 1.3268	1.5671 1.4104	1.3059	1.3455	Ave		1.421 9				8.4		30.0			
Methylene Chloride	++++ 1.4321	++++ 1.3624	1.7541 1.4317	1.4044	1.3904	Ave		1.462 5				9.9		30.0			
tert-Butyl alcohol	++++ 3.1343	++++ 2.9474	++++ 3.1522	2.8633	3.0388	Ave		3.027 2				4.1		30.0			
1,2-Dichloroethene, trans-	2.6265 2.0820	2.1547 1.9844	2.1778 2.1295	1.9403	2.0358	Ave		2.141 4				9.9		30.0			
Methyl tert-butyl ether	++++ 4.8589	5.1845 4.7079	5.3110 4.9477	4.5937	4.8277	Ave		4.918 8				5.2		30.0			
Hexane	++++ 1.6169	1.9110 1.5530	1.6676 1.6412	1.4863	1.5694	Ave		1.635 1				8.3		30.0			
1,1-Dichloroethane	3.5213 2.3228	2.6350 2.2321	2.5289 2.3600	2.2297	2.3047	Ave		2.516 8				17.1		30.0			
Methyl ethyl ketone (MEK)	++++ 0.6127	++++ 0.5541	0.9535 0.6018	0.5394	0.5652	Ave		0.637 8				24.6		30.0			
1,2-Dichloroethene, cis-	2.0700 1.4046	1.5267 1.3548	1.5387 1.4177	1.3229	1.3890	Ave		1.503 0				16.1		30.0			
Tetrahydrofuran	++++ 0.1971	++++ 0.1928	++++ 0.2013	0.1851	0.1894	Ave		0.193 1				3.3		30.0			
Chloroform	++++ 3.7056	4.1503 3.5432	3.9693 3.6790	3.5462	3.6329	Ave		3.746 6				6.1		30.0			
1,1,1-Trichloroethane	++++ 0.9774	1.1168 0.9508	1.0677 0.9722	0.9375	0.9577	Ave		0.997 2				6.8		30.0			
Cyclohexane	++++ 0.3608	0.3567 0.3486	0.3919 0.3588	0.3348	0.3468	Ave		0.356 9				5.0		30.0			
Carbon tetrachloride	1.4042 1.1408	1.2389 1.1078	1.2450 1.1238	1.0937	1.1237	Ave		1.184 7				8.9		30.0			
Benzene	++++ 0.7730	0.8532 0.7551	0.8341 0.7813	0.7309	0.7549	Ave		0.783 2				5.7		30.0			
1,2-Dichloroethane	++++ 0.6293	0.7084 0.6064	0.6595 0.6229	0.5990	0.6133	Ave		0.634 1				6.0		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 Burlington Job No.: 200-65051-1 Analy Batch No.: 181495
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/08/2022 17:08 Calibration End Date: 07/09/2022 01:03 Calibration ID: 48529

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 5		B	M1	M2								
2,2,4-Trimethylpentane	++++ 1.0718	1.1383 1.0393	1.1129 1.0810	0.9877	1.0362	Ave		1.066 7				4.8		30.0			
n-Heptane	++++ 0.3775	0.3914 0.3615	0.4193 0.3787	0.3408	0.3653	Ave		0.376 4				6.6		30.0			
Trichloroethene	0.5410 0.4553	0.5185 0.4391	0.4877 0.4534	0.4354	0.4439	Ave		0.471 8				8.4		30.0			
1,2-Dichloropropane	++++ 0.2499	0.3057 0.2408	0.2556 0.2533	0.2317	0.2397	Ave		0.253 8				9.6		30.0			
Methyl methacrylate	++++ 0.2602	++++ 0.2528	0.2347 0.2695	0.2350	0.2483	Ave		0.250 1				5.5		30.0			
1,4-Dioxane	++++ 0.1562	0.1225 0.1473	0.1419 0.1501	0.1530	0.1526	Ave		0.146 2				7.8		30.0			
Bromodichloromethane	++++ 0.8355	0.8472 0.8159	0.8419 0.8397	0.7884	0.8174	Ave		0.826 6				2.5		30.0			
1,3-Dichloropropene, cis-	++++ 0.5703	0.5619 0.5478	0.5407 0.5782	0.5238	0.5448	Ave		0.552 5				3.4		30.0			
Methyl isobutyl ketone (MIBK)	++++ 0.5591	++++ 0.5381	0.4951 0.5667	0.5054	0.5415	Ave		0.534 3				5.4		30.0			
Toluene	++++ 0.7280	0.7798 0.7165	0.7927 0.7348	0.6930	0.7180	Ave		0.737 6				4.9		30.0			
1,3-Dichloropropene, trans-	++++ 0.5824	0.5561 0.5662	0.5496 0.5945	0.5277	0.5603	Ave		0.562 4				3.9		30.0			
1,1,2-Trichloroethane	++++ 0.3186	0.3535 0.3073	0.3241 0.3187	0.2949	0.3115	Ave		0.318 4				5.7		30.0			
Tetrachloroethene	0.9663 0.7890	0.8872 0.7710	0.8862 0.7745	0.7610	0.7865	Ave		0.827 7				9.1		30.0			
2-Hexanone	++++ 0.6096	++++ 0.5874	0.5157 0.6333	0.5147	0.5766	Ave		0.572 9				8.5		30.0			
Dibromochloromethane	++++ 1.0387	1.0286 1.0127	1.0012 1.0419	0.9622	1.0139	Ave		1.014 2				2.7		30.0			
1,2-Dibromoethane	++++ 0.6725	0.6762 0.6563	0.6963 0.6868	0.6201	0.6558	Ave		0.666 3				3.8		30.0			
Chlorobenzene	++++ 1.0749	1.1717 1.0507	1.1627 1.0781	1.0164	1.0562	Ave		1.087 3				5.4		30.0			
Ethylbenzene	++++ 1.8241	1.8384 1.7854	1.8632 1.8179	1.6994	1.7776	Ave		1.800 9				3.0		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 Burlington Job No.: 200-65051-1 Analy Batch No.: 181495

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2022 17:08 Calibration End Date: 07/09/2022 01:03 Calibration ID: 48529

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 5		B	M1	M2								
m,p-Xylene	++++ 0.6877	0.7167 0.6720	0.6976 0.6827	0.6462	0.6741	Ave		0.682 4				3.2		30.0			
Xylene, o-	++++ 0.6626	0.6763 0.6462	0.6816 0.6596	0.6322	0.6523	Ave		0.658 7				2.6		30.0			
Styrene	++++ 1.0535	0.8708 1.0326	0.9423 1.0729	0.9413	1.0257	Ave		0.991 3				7.5		30.0			
Bromoform	++++ 1.0493	0.8953 1.0244	0.9650 1.0604	0.9660	1.0187	Ave		0.997 0				5.8		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.7665	0.7845 0.7518	0.8021 0.7753	0.7149	0.7500	Ave		0.763 6				3.7		30.0			
2-Chlorotoluene	++++ 1.6107	1.6001 1.5642	1.6803 1.6102	1.4867	1.5618	Ave		1.587 7				3.7		30.0			
4-Ethyltoluene	++++ 2.1682	2.0374 2.1422	2.1113 2.1924	2.0243	2.1399	Ave		2.116 5				3.0		30.0			
1,3,5-Trimethylbenzene	++++ 2.0024	1.9166 1.9701	2.0186 2.0019	1.9058	1.9832	Ave		1.971 2				2.2		30.0			
1,2,4-Trimethylbenzene	++++ 1.9885	1.8825 1.9465	2.0181 1.9937	1.8797	1.9675	Ave		1.953 8				2.8		30.0			
1,3-Dichlorobenzene	++++ 1.1805	0.9712 1.1647	0.9921 1.1994	1.0622	1.1582	Ave		1.104 0				8.6		30.0			
1,4-Dichlorobenzene	++++ 1.1396	0.8494 1.1281	0.8995 1.1791	1.0052	1.1056	Ave		1.043 8				12.3		30.0			
1,2-Dichlorobenzene	++++ 1.1537	1.1231 1.1380	1.1398 1.1671	1.0678	1.1387	Ave		1.132 6				2.8		30.0			
1,2,4-Trichlorobenzene	++++ 0.8211	++++ 0.7879	0.4261 0.9142	0.6340	0.7628	Ave		0.724 3				23.8		30.0			
Hexachlorobutadiene	++++ 1.3252	1.5994 1.2733	1.4901 1.2721	1.2875	1.3388	Ave		1.369 5				9.2		30.0			
Naphthalene	++++ 1.8210	++++ 1.7377	1.0680 1.9615	1.4972	1.7348	Ave		1.636 7				19.4		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-65051-1 Analy Batch No.: 181495

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2022 17:08 Calibration End Date: 07/09/2022 01:03 Calibration ID: 48529

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-181495/4	51593-004.d
Level 2	IC 200-181495/5	51593-005.d
Level 3	IC 200-181495/6	51593-006.d
Level 4	IC 200-181495/7	51593-007.d
Level 5	ICIS 200-181495/8	51593-008.d
Level 6	IC 200-181495/9	51593-009.d
Level 7	IC 200-181495/12	51593-012.d
Level 8	IC 200-181495/13	51593-013.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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	++++ 2068424	++++ 2064006	75269 5419361	666977	1346193	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1702272	++++ 2007030	25252 4528525	543843	1104451	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 333988	++++ 387154	11903 886840	103254	211345	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1439 396991	6177 458150	13809 1072200	119681	248062	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	849 278409	3534 317750	9752 749812	83195	170818	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 497728	7889 574675	18400 1328372	154135	319071	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 221210	++++ 253609	8254 593039	67930	138716	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	++++ 515363	7330 593359	18127 1388699	157562	326987	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 2186096	32332 2553241	79669 5815214	695132	1409175	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 231135	++++ 353087	49498 1055632	86286	137655	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0
1,1-Dichloroethene	BCM	Ave	1696 469258	7051 544355	16501 1267963	146318	300486	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloro-1,2,2-trifluoroethane	BCM	Ave	++++ 1173099	16477 1372881	41411 3141139	365633	747069	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 828455	++++ 905028	++++ 2138334	225910	471951	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropanol	BCM	Ave	++++ 636399	++++ 727587	++++ 1742835	190864	393989	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++	++++	40573	344245	705513	++++	++++	0.500	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1 Analy Batch No.: 181495

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2022 17:08 Calibration End Date: 07/09/2022 01:03 Calibration ID: 48529

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1122796	1313611	3064494			15.0	20.0	40.0		
Allyl chloride	BCM	Ave	++++ 459968	6787 534244	16414 1265212	139140	288103	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 474266	18373 548569	1284320	149636	297730	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 1037935	++++ 1186797	++++ 2827748	305090	650691	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichloroethene, trans-	BCM	Ave	1987 689461	9092 799031	22811 1910367	206739	435909	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1609067	21877 1895657	55628 4438494	489463	1033726	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	++++ 535436	8064 625331	17467 1472253	158366	336047	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2664 769201	11119 898758	26488 2117136	237575	493492	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl ethyl ketone (MEK)	BCM	Ave	++++ 202909	++++ 223098	9987 539906	57479	121026	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethene, cis-	BCM	Ave	1566 465145	6442 545498	16117 1271837	140952	297427	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 332762	++++ 391558	++++ 923703	100550	207903	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Chloroform	BCM	Ave	++++ 1227131	17513 1426673	41575 3300368	377850	777894	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1650438	23990 1931473	57367 4460163	509233	1051490	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 609337	7662 708150	21055 1645987	181837	380782	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	5474 1926397	26614 2250228	66893 5155811	594082	1233746	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 1305404	18328 1533930	44816 3584394	397027	828834	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 1062716	15218 1231742	35437 2857421	325354	673320	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 1809844	24453 2111113	59795 4959154	536467	1137632	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 637391	8407 734405	22530 1737529	185097	401080	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	2109 768896	11139 891972	26205 2079981	236475	487347	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 422032	6567 489239	13734 1162282	125873	263124	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1 Analy Batch No.: 181495

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2022 17:08 Calibration End Date: 07/09/2022 01:03 Calibration ID: 48529

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methyl methacrylate	DFBZ	Ave	+++++ 439418	+++++ 513497	12613 1236259	127659	272565	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 263709	2632 299191	7627 688398	83117	167502	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 1410944	18200 1657317	45238 3852132	428254	897434	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, cis-	DFBZ	Ave	+++++ 963022	12071 1112678	29054 2652474	284512	598082	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl isobutyl ketone (MIBK)	DFBZ	Ave	+++++ 944039	+++++ 1093102	26600 2599602	274501	594526	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNzd 5	Ave	+++++ 1070727	14298 1267462	36427 2942557	333049	682559	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, trans-	DFBZ	Ave	+++++ 983493	11947 1150065	29529 2727430	286622	615095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNzd 5	Ave	+++++ 468510	6482 543533	14892 1276113	141753	296096	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrachloroethene	CBNzd 5	Ave	3189 1160341	16267 1363799	40726 3101252	365752	747677	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Hexanone	CBNzd 5	Ave	+++++ 896523	+++++ 1039002	23700 2536010	247370	548082	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNzd 5	Ave	+++++ 1527721	18860 1791403	46008 4172232	462465	963841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNzd 5	Ave	+++++ 989043	12398 1160983	32000 2750163	298027	623393	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNzd 5	Ave	+++++ 1580868	21483 1858610	53432 4317096	488522	1004046	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNzd 5	Ave	+++++ 2682776	33708 3158134	85621 7279538	816752	1689789	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNzd 5	Ave	+++++ 2022888	26283 2377399	64118 5467616	621182	1281606	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNzd 5	Ave	+++++ 974474	12400 1143138	31324 2641383	303835	620037	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65051-1 Analy Batch No.: 181495

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/08/2022 17:08 Calibration End Date: 07/09/2022 01:03 Calibration ID: 48529

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Styrene	CBNZd 5	Ave	++++ 1549391	15966 1826541	43303 4296120	452417	975059	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZd 5	Ave	++++ 1543200	16416 1811990	44348 4246228	464276	968338	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++ 1127286	14384 1329892	36861 3104732	343590	712976	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZd 5	Ave	++++ 2368885	29338 2766841	77219 6447982	714518	1484631	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZd 5	Ave	++++ 3188853	37357 3789394	97021 8779145	972923	2034209	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++ 2945071	35142 3484850	92762 8016186	915971	1885236	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++ 2924494	34517 3443246	92742 7983339	903433	1870234	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZd 5	Ave	++++ 1736159	17807 2060169	45593 4802810	510494	1100929	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZd 5	Ave	++++ 1676030	15575 1995483	41334 4721389	483123	1050928	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZd 5	Ave	++++ 1696733	20593 2012983	52378 4673533	513198	1082402	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZd 5	Ave	++++ 1207569	++++ 1393687	19582 3660750	304728	725065	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZd 5	Ave	++++ 1949049	29326 2252416	68475 5093781	618812	1272677	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZd 5	Ave	++++ 2678264	++++ 3073847	49079 7854488	719590	1649082	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-183827/4	52543-04.D
Level 2	IC 200-183827/5	52543-05.D
Level 3	IC 200-183827/6	52543-06.D
Level 4	IC 200-183827/7	52543-07.D
Level 5	ICIS 200-183827/8	52543-08.D
Level 6	IC 200-183827/9	52543-09.D
Level 7	IC 200-183827/12	52543-12.D
Level 8	IC 200-183827/13	52543-13.D

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														
Propylene	++++ 2.7080	++++ 2.7599	++++ 2.2246	2.7761	2.5862	Ave		2.611 0				8.7		30.0			
Dichlorodifluoromethane	++++ 8.8329	++++ 8.8564	9.6689 7.2670	8.3761	8.1717	Ave		8.528 8				9.4		30.0			
Freon 22	++++ 4.8405	++++ 4.8596	5.6530 3.9142	4.6741	4.5029	Ave		4.740 7				11.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 6.3378	7.5553 6.2587	7.0218 5.1665	5.9347	5.8278	Ave		6.300 4				12.5		30.0			
Chloromethane	++++ 1.8476	++++ 1.8335	2.1939 1.4739	1.8173	1.7224	Ave		1.814 8				12.8		30.0			
n-Butane	++++ 3.0404	++++ 3.2406	3.8913 2.5094	3.1815	2.9336	Ave		3.132 8				14.5		30.0			
Vinyl chloride	2.8438 1.8945	2.3339 1.9704	2.2115 1.5800	1.8891	1.7856	Ave		2.063 6				19.1		30.0			
1,3-Butadiene	2.3871 1.4717	1.7687 1.5662	1.7462 1.2400	1.4898	1.3945	Ave		1.633 0				21.5		30.0			
Bromomethane	++++ 1.5981	2.2275 1.7122	2.0045 1.3293	1.6144	1.5879	Ave		1.724 8				17.3		30.0			
Chloroethane	++++ 0.8487	++++ 0.9223	1.0407 0.6951	0.8745	0.8647	Ave		0.874 4				12.8		30.0			
Isopentane	++++ 2.1813	3.2593 2.4631	2.9044 1.7511	2.4209	2.3030	Ave		2.469 0				19.9		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.6882	1.9591 1.8035	1.9634 1.4313	1.6841	1.6660	Ave		1.742 2				10.7		30.0			
Trichlorofluoromethane	++++ 6.5085	8.3239 7.0779	7.6535 5.3051	6.5654	6.5495	Ave		6.854 8				14.0		30.0			

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

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1 Analy Batch No.: 183827
SDG No.: _____
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5		B	M1	M2								
n-Pentane	+++++ 3.2487	+++++ 3.7250	4.2998 2.5977	3.5825	3.4199	Ave		3.479 0				16.1		30.0			
Ethanol	+++++ 0.8061	+++++ 0.9455	0.8671 0.6507	0.8845	0.8588	Ave		0.835 5				12.1		30.0			
Ethyl ether	+++++ 1.2665	1.4524 1.4573	1.5248 1.0518	1.3384	1.3300	Ave		1.345 9				11.7		30.0			
Acrolein	+++++ 0.7863	+++++ 0.8623	+++++ 0.6066	0.7990	0.8062	Ave		0.772 1				12.6		30.0			
Freon TF	+++++ 4.1325	5.2429 4.5011	4.7834 3.4188	4.1939	4.1465	Ave		4.345 6				13.2		30.0			
1,1-Dichloroethene	3.3094 1.7491	2.0532 1.8773	2.0713 1.4425	1.7686	1.7347	Ave		2.000 8				28.2		30.0			
Acetone	+++++ 3.3051	+++++ 4.0008	+++++ 2.7314	3.6659	3.5475	Ave		3.450 1				13.7		30.0			
Carbon disulfide	+++++ 5.0691	+++++ 5.5468	5.9566 4.1534	5.1677	5.1221	Ave		5.169 3				11.6		30.0			
Isopropyl alcohol	+++++ 3.7388	+++++ 4.3339	+++++ 3.1011	4.0707	3.9188	Ave		3.832 7				12.1		30.0			
3-Chloropropene	+++++ 2.9204	3.7924 3.4092	3.5586 2.3567	3.2509	3.0431	Ave		3.190 2				14.8		30.0			
Acetonitrile	+++++ 1.5325	+++++ 1.7893	+++++ 1.3135	1.5723	1.6421	Ave		1.569 9				11.1		30.0			
Methylene Chloride	+++++ 2.4380	+++++ 2.7631	3.3062 1.9419	2.6529	2.5450	Ave		2.607 9				17.1		30.0			
tert-Butyl alcohol	+++++ 4.8064	+++++ 5.4220	+++++ 3.9932	4.9214	4.9514	Ave		4.818 9				10.8		30.0			
trans-1,2-Dichloroethene	4.9054 3.1810	3.9583 3.5728	3.7554 2.5878	3.3474	3.2906	Ave		3.574 8				18.9		30.0			
Methyl tert-butyl ether	+++++ 6.2832	7.9266 7.0474	7.1936 5.2223	6.4914	6.5019	Ave		6.666 6				12.7		30.0			
Acrylonitrile	+++++ 1.3566	+++++ 1.5331	1.3441 1.1044	1.4136	1.3844	Ave		1.356 0				10.4		30.0			
n-Hexane	+++++ 2.9682	3.7602 3.3134	3.5571 2.3934	3.1660	3.0537	Ave		3.173 1				14.0		30.0			
1,1-Dichloroethane	4.9619 3.6874	4.8188 4.0934	4.6759 2.9823	3.9422	3.8599	Ave		4.127 7				16.1		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 Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5		B	M1	M2								
Vinyl acetate	+++++ 6.0229	+++++ 7.0536	+++++ 4.9693	6.6282	6.4877	Ave		6.232 4				12.8		30.0			
cis-1,2-Dichloroethene	3.5242 2.0499	2.4887 2.1877	2.3641 1.7211	2.0733	2.0308	Ave		2.305 0				23.6		30.0			
Methyl Ethyl Ketone	+++++ 0.9921	+++++ 1.1516	1.1045 0.8550	0.9693	1.0111	Ave		1.013 9				10.3		30.0			
Ethyl acetate	+++++ 0.1724	+++++ 0.1827	+++++ 0.1457	0.1565	0.1697	Ave		0.165 4				8.7		30.0			
Tetrahydrofuran	+++++ 0.4402	+++++ 0.5006	+++++ 0.3552	0.4855	0.4669	Ave		0.449 7				12.8		30.0			
Chloroform	+++++ 5.3714	6.9037 5.8141	6.6416 4.4441	5.5645	5.4880	Ave		5.746 8				14.4		30.0			
1,1,1-Trichloroethane	+++++ 1.0478	1.2434 1.1295	1.2181 0.8642	1.0514	1.0441	Ave		1.085 5				11.8		30.0			
Cyclohexane	+++++ 0.4945	0.5604 0.5188	0.5845 0.4090	0.4915	0.4853	Ave		0.506 3				11.2		30.0			
Carbon tetrachloride	1.5205 1.1786	1.2914 1.2406	1.2570 0.9818	1.1370	1.1524	Ave		1.219 9				12.7		30.0			
Benzene	+++++ 1.2317	1.4974 1.3012	1.4638 1.0238	1.2616	1.2344	Ave		1.287 7				12.3		30.0			
2,2,4-Trimethylpentane	+++++ 2.1076	2.6263 2.2817	2.5785 1.7227	2.2601	2.1771	Ave		2.250 6				13.5		30.0			
1,2-Dichloroethane	+++++ 0.7849	0.9870 0.8692	0.9700 0.6413	0.8308	0.8058	Ave		0.841 3				14.0		30.0			
n-Heptane	+++++ 0.9289	1.1869 1.0324	1.2078 0.7473	1.0395	0.9949	Ave		1.019 7				15.3		30.0			
Trichloroethene	1.0007 0.6647	0.8411 0.7013	0.7611 0.5688	0.6658	0.6581	Ave		0.732 7				18.4		30.0			
n-Butanol	+++++ 0.3104	+++++ 0.3477	+++++ 0.2644	0.3228	0.3232	Ave		0.313 7				9.8		30.0			
1,2-Dichloropropane	+++++ 0.5829	0.7576 0.6292	0.6994 0.4829	0.6291	0.6041	Ave		0.626 5				13.9		30.0			
Dibromomethane	+++++ 0.6149	0.7623 0.6377	0.6943 0.5270	0.5874	0.5960	Ave		0.631 4				12.2		30.0			
Methyl methacrylate	+++++ 0.5699	+++++ 0.6268	0.5857 0.4801	0.5973	0.5898	Ave		0.574 9				8.7		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 Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5		B	M1	M2								
1,4-Dioxane	++++ 0.3122	0.3603 0.3286	0.3665 0.2678	0.3239	0.3267	Ave		0.326 6				10.0		30.0			
Bromodichloromethane	++++ 1.4122	1.6132 1.5186	1.6074 1.1810	1.4515	1.4441	Ave		1.461 1				10.0		30.0			
cis-1,3-Dichloropropene	++++ 1.2199	1.3414 1.3091	1.4203 1.0038	1.2805	1.2608	Ave		1.262 3				10.3		30.0			
methyl isobutyl ketone	++++ 1.7069	++++ 1.9386	1.9229 1.3653	1.9083	1.8642	Ave		1.784 4				12.4		30.0			
Toluene	++++ 1.1175	1.2962 1.2157	1.2916 0.9467	1.1466	1.1409	Ave		1.165 1				10.3		30.0			
n-Octane	++++ 1.8583	2.6488 2.0466	2.3727 1.4618	2.1464	2.0378	Ave		2.081 8				18.1		30.0			
trans-1,3-Dichloropropene	++++ 1.1765	1.3072 1.2554	1.2830 0.9702	1.2024	1.1891	Ave		1.197 7				9.3		30.0			
1,1,2-Trichloroethane	++++ 0.5472	0.6846 0.5901	0.6981 0.4615	0.5605	0.5615	Ave		0.586 2				14.0		30.0			
Tetrachloroethene	1.2701 0.8989	1.0940 0.9336	1.0117 0.7813	0.8720	0.8757	Ave		0.967 2				16.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 1.3468	++++ 1.5625	1.4299 1.1054	1.4371	1.4694	Ave		1.391 8				11.3		30.0			
Dibromochloromethane	++++ 1.2680	1.2497 1.3343	1.2927 1.0963	1.1868	1.2424	Ave		1.238 6				6.3		30.0			
1,2-Dibromoethane	++++ 1.0116	1.1265 1.0591	1.1058 0.8599	0.9827	1.0010	Ave		1.021 0				8.7		30.0			
Chlorobenzene	++++ 1.4785	1.8600 1.5558	1.7196 1.2570	1.4817	1.4773	Ave		1.547 1				12.5		30.0			
Ethylbenzene	++++ 2.6385	3.2401 2.8086	3.0288 2.2028	2.6871	2.6772	Ave		2.754 7				11.9		30.0			
n-Nonane	++++ 1.3776	1.7492 1.4710	1.7517 1.1094	1.5133	1.4548	Ave		1.489 6				14.9		30.0			
m,p-Xylene	++++ 0.9530	1.1354 0.9993	1.1137 0.7922	0.9698	0.9594	Ave		0.989 0				11.6		30.0			
Xylene, o-	++++ 0.9588	1.0988 0.9992	1.0336 0.8143	0.9367	0.9352	Ave		0.968 1				9.3		30.0			
Styrene	++++ 1.5725	1.5064 1.6632	1.5908 1.3505	1.4861	1.5444	Ave		1.530 6				6.4		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 Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5		B	M1	M2								
Bromoform	+++++ 1.3114	1.1762 1.3305	1.1770 1.1328	1.1252	1.2247	Ave		1.211 1				6.8		30.0			
Cumene	+++++ 2.9992	3.4517 3.0985	3.4008 2.5107	2.9219	2.9387	Ave		3.045 9				10.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.4752	1.7751 1.5015	1.7281 1.2037	1.4512	1.4395	Ave		1.510 6				12.7		30.0			
1,2,3-Trichloropropane	+++++ 1.3273	+++++ 1.3623	1.5666 1.0900	1.3110	1.3071	Ave		1.327 4				11.4		30.0			
n-Propylbenzene	+++++ 3.6565	4.2507 3.7603	4.3453 2.9860	3.6204	3.6011	Ave		3.745 7				12.1		30.0			
2-Chlorotoluene	+++++ 2.6603	3.1436 2.7280	3.0563 2.2024	2.5664	2.5833	Ave		2.705 8				11.7		30.0			
4-Ethyltoluene	+++++ 3.0140	3.4791 3.0812	3.4166 2.4826	2.8971	2.9402	Ave		3.044 4				11.0		30.0			
n-Decane	+++++ 1.8831	+++++ 1.9693	2.3158 1.5186	1.9367	1.8984	Ave		1.920 3				13.2		30.0			
1,3,5-Trimethylbenzene	+++++ 2.5842	3.0191 2.6989	2.9292 2.1640	2.5181	2.5427	Ave		2.636 6				10.8		30.0			
Alpha Methyl Styrene	+++++ 1.2768	1.1967 1.3199	1.2478 1.0809	1.1534	1.2193	Ave		1.213 6				6.6		30.0			
tert-Butylbenzene	+++++ 2.4765	2.8578 2.5291	2.7809 2.0620	2.3106	2.3749	Ave		2.484 5				11.0		30.0			
1,2,4-Trimethylbenzene	+++++ 2.6353	2.9872 2.6954	2.8918 2.1778	2.4484	2.5272	Ave		2.623 3				10.4		30.0			
sec-Butylbenzene	+++++ 3.7630	4.5235 3.8213	4.2128 3.0342	3.5252	3.6118	Ave		3.784 5				12.7		30.0			
1,3-Dichlorobenzene	+++++ 1.6348	1.9027 1.6287	1.7826 1.3416	1.4722	1.5277	Ave		1.612 9				11.7		30.0			
4-Isopropyltoluene	+++++ 3.1571	3.5201 3.1498	3.5165 2.5452	2.8622	2.9677	Ave		3.102 7				11.3		30.0			
1,4-Dichlorobenzene	+++++ 1.6776	1.8313 1.6839	1.8376 1.3944	1.4663	1.5725	Ave		1.637 7				10.4		30.0			
Benzyl chloride	+++++ 2.6764	2.8502 2.7062	2.7496 2.1172	2.3731	2.5190	Ave		2.570 3				9.9		30.0			
n-Butylbenzene	+++++ 3.2353	3.5808 3.3010	3.6594 2.6007	2.9678	3.0762	Ave		3.203 0				11.4		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 Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.5822	1.8375 1.5893	1.7925 1.2992	1.4038	1.4743	Ave		1.568 4				12.5		30.0			
n-Undecane	+++++ 2.1534	+++++ 2.1717	+++++ 1.6943	2.0369	2.0955	Ave		2.030 4				9.6		30.0			
n-Dodecane	+++++ 2.1858	+++++ 2.2659	+++++ 1.8349	1.6761	2.0048	Ave		1.993 5				12.2		30.0			
1,2,4-Trichlorobenzene	+++++ 1.6584	+++++ 1.7619	1.2768 1.4518	1.2319	1.4677	Ave		1.474 8				14.1		30.0			
Hexachlorobutadiene	+++++ 1.8156	1.8980 1.9304	1.7443 1.5762	1.4067	1.6186	Ave		1.712 8				11.0		30.0			
Naphthalene	+++++ 3.3577	+++++ 3.6130	2.4635 2.9048	2.3499	2.9937	Ave		2.947 1				16.7		30.0			
1,2,3-Trichlorobenzene	+++++ 1.3787	+++++ 1.4647	0.9782 1.2335	0.9765	1.1954	Ave		1.204 5				16.7		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-183827/4	52543-04.D
Level 2	IC 200-183827/5	52543-05.D
Level 3	IC 200-183827/6	52543-06.D
Level 4	IC 200-183827/7	52543-07.D
Level 5	ICIS 200-183827/8	52543-08.D
Level 6	IC 200-183827/9	52543-09.D
Level 7	IC 200-183827/12	52543-12.D
Level 8	IC 200-183827/13	52543-13.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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 550306	++++ 683080	++++ 1231714	202198	364619	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1794952	++++ 2191939	++++ 4023563	610074	1152114	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 983647	++++ 1202746	++++ 2167215	340440	634863	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1287922	++++ 1549017	++++ 2860578	432257	821658	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 375451	++++ 453786	++++ 816079	132360	242840	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 617843	++++ 802032	++++ 1389369	231726	413598	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1258 384989	6103 487667	15493 874791	137594	251743	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	1056 299057	4625 387633	12233 686535	108511	196615	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 324753	++++ 423771	++++ 736013	117582	223870	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 172471	++++ 228275	++++ 384866	63696	121912	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 443270	++++ 609624	++++ 969517	176330	324699	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 343058	++++ 446361	++++ 792491	122664	234885	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1322606	++++ 1751776	++++ 2937286	478193	923409	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 660175	++++ 921941	++++ 1438289	260933	482172	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 218874	++++ 468108	++++ 900749	128931	181710	++++ 20.0	++++ 40.0	++++ 5.01 100.0	9.99	15.0

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

Lab Name: Eurofins Burlington

Job No.: 200-65052-1

Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i

GC Column: RTX-624

ID: 0.32 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16

Calibration End Date: 09/23/2022 01:24

Calibration ID: 49006

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	++++ 257358	3798 360667	10682 582335	97482	187508	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 159786	++++ 213407	++++ 335878	58193	113671	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 839773	13710 1114010	33511 1892881	305461	584608	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	1464 355447	5369 464619	14511 798670	128816	244575	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 671639	++++ 990189	++++ 1512322	267004	500156	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1030100	++++ 1372811	41730 2299649	376389	722164	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 759762	++++ 1072639	++++ 1717027	296494	552506	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 593451	9917 843764	24930 1304844	236782	429040	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 311413	++++ 442842	++++ 727231	114519	231512	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 495439	++++ 683856	23162 1075173	193228	358823	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 976711	++++ 1341931	++++ 2210928	358449	698098	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	2170 646409	10351 884252	26309 1432781	243810	463937	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1276822	20728 1744213	50396 2891458	472806	916692	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 275682	++++ 379449	9416 611468	102961	195183	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 603177	9833 820065	24920 1325148	230595	430530	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2195 749315	12601 1013115	32758 1651207	287132	544208	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 1223934	++++ 1745757	++++ 2751389	482765	914697	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	1559 416561	6508 541460	16562 952927	151012	286317	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 201597	++++ 285012	7738 473376	70596	142560	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 35042	++++ 45226	++++ 80695	11396	23927	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	++++	220715	407684	++++	++++	++++	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			544050	764650	1206637			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 1091523	18053 1438975	46529 2460559	405290	773748	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1295129	20356 1725228	52984 2935603	478031	911627	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 611218	9175 792472	25421 1389308	223470	423693	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	4177 1456705	21143 1894777	54675 3334792	516929	1006202	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 1522397	24515 1987381	63669 3477552	573583	1077729	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 2604944	42997 3484940	112152 5851519	1027555	1900843	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 970176	16159 1327638	42191 2178304	377711	703535	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 1148083	19431 1576895	52534 2538539	472593	868658	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	2749 821508	13771 1071091	33106 1931999	302701	574593	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	++++ 383705	++++ 531137	++++ 898121	146776	282174	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 720510	12404 961054	30422 1640147	286005	527474	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	++++ 759957	12481 974041	30197 1790062	267054	520375	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	++++ 704342	++++ 957339	25476 1630923	271541	514931	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	++++ 385930	5898 501831	15942 909536	147279	285223	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	++++ 1745479	26411 2319427	69913 4011474	659922	1260828	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 1507746	21962 1999515	61777 3409580	582169	1100812	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 2109736	++++ 2961001	83639 4637606	867589	1627628	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZd 5	Ave	++++ 1567159	24352 2052106	63796 3605009	598132	1119545	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	++++ 2296870	43366 3125965	103203 4965357	975858	1779199	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++	21402	55805	546641	1038223	++++	0.200	0.500	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1454199	1917483	3295347			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++	12862	34482	292399	550957	+++++	0.200	0.500	4.99	10.00
			767409	996074	1757291			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	3975	20552	49969	454858	859264	0.0351	0.200	0.500	4.99	10.00
			1260628	1575879	2975192			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++	+++++	70624	749668	1441814	+++++	+++++	0.500	4.99	10.00
			1888653	2637442	4209433			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	+++++	23477	63850	619096	1219118	+++++	0.200	0.500	4.99	10.00
			1778145	2252208	4174790			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	+++++	21164	54620	512611	982270	+++++	0.200	0.500	4.99	10.00
			1418576	1787761	3274702			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	+++++	34943	84937	772951	1449585	+++++	0.200	0.500	4.99	10.00
			2073288	2626149	4786708			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	+++++	60870	149600	1401726	2627036	+++++	0.200	0.500	4.99	10.00
			3700070	4740705	8388486			15.0	20.0	40.0		
n-Nonane	CBNZd 5	Ave	+++++	32861	86521	789404	1427498	+++++	0.200	0.500	4.99	10.00
			1931823	2482871	4224640			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	+++++	42660	110015	1011782	1882730	+++++	0.401	1.00	9.99	20.0
			2672980	3373510	6033453			30.0	40.0	80.0		
Xylene, o-	CBNZd 5	Ave	+++++	20643	51051	488640	917660	+++++	0.200	0.500	4.99	10.00
			1344601	1686648	3100972			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	+++++	28301	78572	775205	1515460	+++++	0.200	0.500	4.99	10.00
			2205124	2807361	5142794			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	+++++	22096	58136	586955	1201700	+++++	0.200	0.500	4.99	10.00
			1838987	2245803	4313926			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	+++++	64847	167974	1524222	2883563	+++++	0.200	0.500	4.99	10.00
			4205900	5230074	9560775			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++	33348	85357	756999	1412522	+++++	0.200	0.500	4.99	10.00
			2068767	2534504	4583594			15.0	20.0	40.0		

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichloropropane	CBNZd 5	Ave	++++ 1861259	++++ 2299449	77379 4150945	683866	1282545	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZd 5	Ave	++++ 5127627	79856 6347072	214623 11371018	1888557	3533546	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZd 5	Ave	++++ 3730650	59058 4604743	150958 8386828	1338765	2534901	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZd 5	Ave	++++ 4226684	65361 5200874	168752 9454007	1511258	2885034	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZd 5	Ave	++++ 2640781	114385 3324069	1010268 5783046	1862825	1862825	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++ 3623963	56719 4555568	144678 8240733	1313555	2495052	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZd 5	Ave	++++ 1790569	22483 2227880	61632 4116205	601663	1196427	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZd 5	Ave	++++ 3472947	53688 4268946	137353 7852339	1205299	2330413	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++ 3695580	56119 4549584	142833 8293098	1277193	2479864	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZd 5	Ave	++++ 5277063	84981 6450166	208082 11554255	1838906	3544052	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZd 5	Ave	++++ 2292514	35745 2749086	88045 5108942	767995	1499042	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZd 5	Ave	++++ 4427392	66131 5316728	173686 9692358	1493071	2912025	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZd 5	Ave	++++ 2352561	34405 2842378	90763 5310003	764867	1543012	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZd 5	Ave	++++ 3753270	53546 4567929	135810 8062435	1237941	2471811	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-65052-1 Analy Batch No.: 183827

SDG No.: _____

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2022 17:16 Calibration End Date: 09/23/2022 01:24 Calibration ID: 49006

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 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	CBNZd 5	Ave	+++++	67272	180745	1548159	3018533	+++++	0.200	0.500	4.99	10.00
			4537022	5571837	9903800			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	34521	88534	732283	1446616	+++++	0.200	0.500	4.99	10.00
			2218728	2682611	4947505			15.0	20.0	40.0		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	1062563	2056175	+++++	+++++	+++++	4.99	10.00
			3019860	3665670	6451804			15.0	20.0	40.0		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	874359	1967244	+++++	+++++	+++++	4.99	10.00
			3065194	3824718	6987420			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	63065	642602	1440179	+++++	+++++	0.500	4.99	10.00
			2325701	2973950	5528497			15.0	20.0	40.0		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	35657	86153	733796	1588276	+++++	0.200	0.500	4.99	10.00
			2546058	3258413	6002232			15.0	20.0	40.0		
Naphthalene	CBNZd 5	Ave	+++++	+++++	121679	1225824	2937535	+++++	+++++	0.500	4.99	10.00
			4708589	6098518	11061742			15.0	20.0	40.0		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	48318	509380	1173027	+++++	+++++	0.500	4.99	10.00
			1933370	2472386	4697162			15.0	20.0	40.0		

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65051-1

SDG No.: _____

Lab Sample ID: ICV 200-181495/18 Calibration Date: 07/09/2022 05:26

Instrument ID: CHW.i Calib Start Date: 07/08/2022 17:08

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/09/2022 01:03

Lab File ID: 51593-018.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
Dichlorodifluoromethane	Ave	6.191	5.738		9.27	10.0	-7.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	5.352	5.076		9.48	10.0	-5.2	30.0
Chloromethane	Ave	1.009	1.025		10.2	10.0	1.6	30.0
Vinyl chloride	Ave	1.312	1.195		9.10	10.0	-9.0	30.0
1,3-Butadiene	Ave	0.8669	0.8436		9.73	10.0	-2.7	30.0
Bromomethane	Ave	1.568	1.503		9.58	10.0	-4.1	30.0
Chloroethane	Ave	0.6721	0.6832		10.2	10.0	1.7	30.0
Vinyl bromide	Ave	1.579	1.557		9.86	10.0	-1.4	30.0
Trichlorofluoromethane	Ave	6.828	6.366		9.32	10.0	-6.8	30.0
Ethanol	Ave	0.4561	0.3835		12.3	14.7	-15.9	30.0
1,1-Dichloroethene	Ave	1.556	1.429		9.18	10.0	-8.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.605	3.467		9.62	10.0	-3.8	30.0
Acetone	Ave	2.291	2.239		9.77	10.0	-2.3	30.0
Isopropanol	Ave	1.861	1.878		10.1	10.0	0.9	30.0
Carbon disulfide	Ave	3.411	3.398		9.96	10.0	-0.4	30.0
Allyl chloride	Ave	1.422	1.202		8.45	10.0	-15.5	30.0
Methylene Chloride	Ave	1.463	1.425		9.74	10.0	-2.6	30.0
tert-Butyl alcohol	Ave	3.027	3.047		10.1	10.0	0.7	30.0
1,2-Dichloroethene, trans-	Ave	2.141	2.073		9.68	10.0	-3.2	30.0
Methyl tert-butyl ether	Ave	4.919	4.933		10.0	10.0	0.3	30.0
Hexane	Ave	1.635	1.649		10.1	10.0	0.8	30.0
1,1-Dichloroethane	Ave	2.517	2.354		9.35	10.0	-6.5	30.0
Methyl ethyl ketone (MEK)	Ave	0.6378	0.5819		9.12	10.0	-8.8	30.0
1,2-Dichloroethene, cis-	Ave	1.503	1.429		9.51	10.0	-4.9	30.0
Tetrahydrofuran	Ave	0.1931	0.1962		10.2	10.0	1.6	30.0
Chloroform	Ave	3.747	3.655		9.75	10.0	-2.5	30.0
1,1,1-Trichloroethane	Ave	0.997	0.9485		9.51	10.0	-4.9	30.0
Cyclohexane	Ave	0.3569	0.3548		9.94	10.0	-0.6	30.0
Carbon tetrachloride	Ave	1.185	1.081		9.13	10.0	-8.7	30.0
Benzene	Ave	0.7832	0.7836		10.0	10.0	0.0	30.0
1,2-Dichloroethane	Ave	0.6341	0.6032		9.51	10.0	-4.9	30.0
2,2,4-Trimethylpentane	Ave	1.067	1.089		10.2	10.0	2.1	30.0
n-Heptane	Ave	0.3764	0.3787		10.1	10.0	0.6	30.0
Trichloroethene	Ave	0.4718	0.4424		9.37	10.0	-6.2	30.0
1,2-Dichloropropane	Ave	0.2538	0.2523		9.94	10.0	-0.6	30.0
Methyl methacrylate	Ave	0.2501	0.2617		10.5	10.0	4.7	30.0
1,4-Dioxane	Ave	0.1462	0.1516		10.4	10.0	3.7	30.0
Bromodichloromethane	Ave	0.8266	0.8188		9.90	10.0	-0.9	30.0
1,3-Dichloropropene, cis-	Ave	0.5525	0.5613		10.2	10.0	1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65051-1
 SDG No.: _____
 Lab Sample ID: ICV 200-181495/18 Calibration Date: 07/09/2022 05:26
 Instrument ID: CHW.i Calib Start Date: 07/08/2022 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/09/2022 01:03
 Lab File ID: 51593-018.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
Methyl isobutyl ketone (MIBK)	Ave	0.5343	0.5485		10.3	10.0	2.7	30.0
Toluene	Ave	0.7376	0.7387		10.0	10.0	0.2	30.0
1,3-Dichloropropene, trans-	Ave	0.5624	0.5618		9.99	10.0	-0.1	30.0
1,1,2-Trichloroethane	Ave	0.3184	0.3171		9.96	10.0	-0.4	30.0
Tetrachloroethene	Ave	0.8277	0.7805		9.43	10.0	-5.7	30.0
2-Hexanone	Ave	0.5729	0.5955		10.4	10.0	3.9	30.0
Dibromochloromethane	Ave	1.014	1.004		9.90	10.0	-1.0	30.0
1,2-Dibromoethane	Ave	0.6663	0.6731		10.1	10.0	1.0	30.0
Chlorobenzene	Ave	1.087	1.073		9.87	10.0	-1.3	30.0
Ethylbenzene	Ave	1.801	1.825		10.1	10.0	1.3	30.0
m,p-Xylene	Ave	0.6824	0.6833		20.0	20.0	0.1	30.0
Xylene, o-	Ave	0.6587	0.6631		10.1	10.0	0.7	30.0
Styrene	Ave	0.9913	1.044		10.5	10.0	5.3	30.0
Bromoform	Ave	0.997	0.9812		9.84	10.0	-1.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7636	0.7881		10.3	10.0	3.2	30.0
2-Chlorotoluene	Ave	1.588	1.610		10.1	10.0	1.4	30.0
4-Ethyltoluene	Ave	2.117	2.158		10.2	10.0	2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.971	1.963		9.95	10.0	-0.4	30.0
1,2,4-Trimethylbenzene	Ave	1.954	1.944		9.95	10.0	-0.5	30.0
1,3-Dichlorobenzene	Ave	1.104	1.153		10.4	10.0	4.4	30.0
1,4-Dichlorobenzene	Ave	1.044	1.107		10.6	10.0	6.1	30.0
1,2-Dichlorobenzene	Ave	1.133	1.148		10.1	10.0	1.4	30.0
1,2,4-Trichlorobenzene	Ave	0.7243	0.8023		11.1	10.0	10.8	30.0
Hexachlorobutadiene	Ave	1.369	1.291		9.43	10.0	-5.7	30.0
Naphthalene	Ave	1.637	1.832		11.2	10.0	11.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65051-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-183934/2 Calibration Date: 09/26/2022 07:39
 Instrument ID: CHW.i Calib Start Date: 07/08/2022 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/09/2022 01:03
 Lab File ID: 52579-002.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
Dichlorodifluoromethane	Ave	6.191	5.358		8.65	10.0	-13.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	5.352	4.987		9.32	10.0	-6.8	30.0
Chloromethane	Ave	1.009	0.9838		9.75	10.0	-2.5	30.0
Vinyl chloride	Ave	1.312	1.150		8.76	10.0	-12.4	30.0
1,3-Butadiene	Ave	0.8669	0.7971		9.19	10.0	-8.1	30.0
Bromomethane	Ave	1.568	1.335		8.51	10.0	-14.9	30.0
Chloroethane	Ave	0.6721	0.6110		9.09	10.0	-9.1	30.0
Vinyl bromide	Ave	1.579	1.418		8.98	10.0	-10.2	30.0
Trichlorofluoromethane	Ave	6.828	6.257		9.16	10.0	-8.4	30.0
Ethanol	Ave	0.4561	0.5221		17.2	15.0	14.5	30.0
1,1-Dichloroethene	Ave	1.556	1.307		8.40	10.0	-16.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.605	3.238		8.98	10.0	-10.2	30.0
Acetone	Ave	2.291	2.429		10.6	10.0	6.0	30.0
Isopropanol	Ave	1.861	1.898		10.2	10.0	2.0	30.0
Carbon disulfide	Ave	3.411	3.106		9.10	10.0	-8.9	30.0
Allyl chloride	Ave	1.422	1.316		9.25	10.0	-7.4	30.0
Methylene Chloride	Ave	1.463	1.355		9.26	10.0	-7.4	30.0
tert-Butyl alcohol	Ave	3.027	3.005		9.93	10.0	-0.7	30.0
1,2-Dichloroethene, trans-	Ave	2.141	1.975		9.22	10.0	-7.8	30.0
Methyl tert-butyl ether	Ave	4.919	4.646		9.44	10.0	-5.5	30.0
Hexane	Ave	1.635	1.517		9.27	10.0	-7.2	30.0
1,1-Dichloroethane	Ave	2.517	2.201		8.74	10.0	-12.5	30.0
Methyl ethyl ketone (MEK)	Ave	0.6378	0.5783		9.07	10.0	-9.3	30.0
1,2-Dichloroethene, cis-	Ave	1.503	1.269		8.44	10.0	-15.6	30.0
Tetrahydrofuran	Ave	0.1931	0.1872		9.69	10.0	-3.1	30.0
Chloroform	Ave	3.747	3.399		9.07	10.0	-9.3	30.0
1,1,1-Trichloroethane	Ave	0.997	0.9503		9.53	10.0	-4.7	30.0
Cyclohexane	Ave	0.3569	0.3436		9.63	10.0	-3.7	30.0
Carbon tetrachloride	Ave	1.185	1.077		9.09	10.0	-9.1	30.0
Benzene	Ave	0.7832	0.7417		9.47	10.0	-5.3	30.0
1,2-Dichloroethane	Ave	0.6341	0.6066		9.56	10.0	-4.3	30.0
2,2,4-Trimethylpentane	Ave	1.067	1.024		9.59	10.0	-4.0	30.0
n-Heptane	Ave	0.3764	0.3627		9.64	10.0	-3.6	30.0
Trichloroethene	Ave	0.4718	0.4341		9.20	10.0	-8.0	30.0
1,2-Dichloropropane	Ave	0.2538	0.2321		9.14	10.0	-8.6	30.0
Methyl methacrylate	Ave	0.2501	0.2397		9.58	10.0	-4.1	30.0
1,4-Dioxane	Ave	0.1462	0.1416		9.68	10.0	-3.2	30.0
Bromodichloromethane	Ave	0.8266	0.7843		9.49	10.0	-5.1	30.0
1,3-Dichloropropene, cis-	Ave	0.5525	0.5221		9.45	10.0	-5.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65051-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-183934/2 Calibration Date: 09/26/2022 07:39
 Instrument ID: CHW.i Calib Start Date: 07/08/2022 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/09/2022 01:03
 Lab File ID: 52579-002.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
Methyl isobutyl ketone (MIBK)	Ave	0.5343	0.5084		9.51	10.0	-4.8	30.0
Toluene	Ave	0.7376	0.6962		9.44	10.0	-5.6	30.0
1,3-Dichloropropene, trans-	Ave	0.5624	0.5237		9.31	10.0	-6.9	30.0
1,1,2-Trichloroethane	Ave	0.3184	0.2917		9.16	10.0	-8.4	30.0
Tetrachloroethene	Ave	0.8277	0.7474		9.03	10.0	-9.7	30.0
2-Hexanone	Ave	0.5729	0.5461		9.53	10.0	-4.7	30.0
Dibromochloromethane	Ave	1.014	0.9466		9.33	10.0	-6.7	30.0
1,2-Dibromoethane	Ave	0.6663	0.6134		9.20	10.0	-7.9	30.0
Chlorobenzene	Ave	1.087	0.9924		9.13	10.0	-8.7	30.0
Ethylbenzene	Ave	1.801	1.691		9.39	10.0	-6.1	30.0
m,p-Xylene	Ave	0.6824	0.6379		18.7	20.0	-6.5	30.0
Xylene, o-	Ave	0.6587	0.6077		9.22	10.0	-7.7	30.0
Styrene	Ave	0.9913	0.9477		9.56	10.0	-4.4	30.0
Bromoform	Ave	0.997	0.9141		9.17	10.0	-8.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7636	0.6832		8.94	10.0	-10.5	30.0
2-Chlorotoluene	Ave	1.588	1.491		9.39	10.0	-6.1	30.0
4-Ethyltoluene	Ave	2.117	1.975		9.33	10.0	-6.7	30.0
1,3,5-Trimethylbenzene	Ave	1.971	1.854		9.40	10.0	-5.9	30.0
1,2,4-Trimethylbenzene	Ave	1.954	1.812		9.27	10.0	-7.2	30.0
1,3-Dichlorobenzene	Ave	1.104	1.024		9.27	10.0	-7.3	30.0
1,4-Dichlorobenzene	Ave	1.044	0.9630		9.22	10.0	-7.7	30.0
1,2-Dichlorobenzene	Ave	1.133	1.009		8.91	10.0	-10.9	30.0
1,2,4-Trichlorobenzene	Ave	0.7243	0.5129		7.08	10.0	-29.2	30.0
Hexachlorobutadiene	Ave	1.369	1.031		7.53	10.0	-24.7	30.0
Naphthalene	Ave	1.637	1.206		7.37	10.0	-26.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65052-1

SDG No.: _____

Lab Sample ID: ICV 200-183827/16 Calibration Date: 09/23/2022 04:08

Instrument ID: CHC.i Calib Start Date: 09/22/2022 17:16

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/23/2022 01:24

Lab File ID: 52543-16.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
Propylene	Ave	2.611	2.606		9.98	10.0	-0.2	30.0
Dichlorodifluoromethane	Ave	8.529	9.000		10.5	10.0	5.5	30.0
Freon 22	Ave	4.741	4.697		9.91	10.0	-0.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	6.300	6.220		9.87	10.0	-1.3	30.0
Chloromethane	Ave	1.815	1.750		9.64	10.0	-3.6	30.0
n-Butane	Ave	3.133	3.040		9.70	10.0	-3.0	30.0
Vinyl chloride	Ave	2.064	1.907		9.24	10.0	-7.6	30.0
1,3-Butadiene	Ave	1.633	1.474		9.02	10.0	-9.7	30.0
Bromomethane	Ave	1.725	1.672		9.69	10.0	-3.1	30.0
Chloroethane	Ave	0.8744	0.8815		10.1	10.0	0.8	30.0
Isopentane	Ave	2.469	2.235		9.05	10.0	-9.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.742	1.762		10.1	10.0	1.2	30.0
Trichlorofluoromethane	Ave	6.855	6.833		9.97	10.0	-0.3	30.0
n-Pentane	Ave	3.479	3.378		9.71	10.0	-2.9	30.0
Ethanol	Ave	0.8355	0.9180		16.1	14.7	9.9	30.0
Ethyl ether	Ave	1.346	1.317		9.78	10.0	-2.1	30.0
Acrolein	Ave	0.7721	0.7962		10.3	10.0	3.1	30.0
Freon TF	Ave	4.346	4.325		9.95	10.0	-0.5	30.0
1,1-Dichloroethene	Ave	2.001	1.802		9.00	10.0	-9.9	30.0
Acetone	Ave	3.450	3.636		10.5	10.0	5.4	30.0
Carbon disulfide	Ave	5.169	5.226		10.1	10.0	1.1	30.0
Isopropyl alcohol	Ave	3.833	3.917		10.2	10.0	2.2	30.0
3-Chloropropene	Ave	3.190	3.038		9.52	10.0	-4.8	30.0
Acetonitrile	Ave	1.570	1.628		10.4	10.0	3.7	30.0
Methylene Chloride	Ave	2.608	2.529		9.70	10.0	-3.0	30.0
tert-Butyl alcohol	Ave	4.819	4.951		10.3	10.0	2.7	30.0
trans-1,2-Dichloroethene	Ave	3.575	3.336		9.33	10.0	-6.7	30.0
Methyl tert-butyl ether	Ave	6.667	6.648		9.97	10.0	-0.3	30.0
Acrylonitrile	Ave	1.356	1.392		10.3	10.0	2.7	30.0
n-Hexane	Ave	3.173	3.106		9.79	10.0	-2.1	30.0
1,1-Dichloroethane	Ave	4.128	3.820		9.25	10.0	-7.5	30.0
Vinyl acetate	Ave	6.232	6.314		10.1	10.0	1.3	30.0
cis-1,2-Dichloroethene	Ave	2.305	2.066		8.96	10.0	-10.4	30.0
Methyl Ethyl Ketone	Ave	1.014	1.038		10.2	10.0	2.4	30.0
Ethyl acetate	Ave	0.1654	0.1749		10.6	10.0	5.8	30.0
Tetrahydrofuran	Ave	0.4497	0.4521		10.1	10.0	0.5	30.0
Chloroform	Ave	5.747	5.509		9.58	10.0	-4.1	30.0
1,1,1-Trichloroethane	Ave	1.086	1.097		10.1	10.0	1.0	30.0
Cyclohexane	Ave	0.5063	0.5042		9.96	10.0	-0.4	30.0
Carbon tetrachloride	Ave	1.220	1.209		9.91	10.0	-0.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65052-1

SDG No.: _____

Lab Sample ID: ICV 200-183827/16 Calibration Date: 09/23/2022 04:08

Instrument ID: CHC.i Calib Start Date: 09/22/2022 17:16

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/23/2022 01:24

Lab File ID: 52543-16.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
Benzene	Ave	1.288	1.239		9.62	10.0	-3.8	30.0
2,2,4-Trimethylpentane	Ave	2.251	2.122		9.42	10.0	-5.7	30.0
1,2-Dichloroethane	Ave	0.8413	0.8116		9.64	10.0	-3.5	30.0
n-Heptane	Ave	1.020	0.9367		9.18	10.0	-8.1	30.0
Trichloroethene	Ave	0.7327	0.6714		9.16	10.0	-8.4	30.0
n-Butanol	Ave	0.3137	0.3222		10.3	10.0	2.7	30.0
1,2-Dichloropropane	Ave	0.6265	0.5811		9.27	10.0	-7.2	30.0
Dibromomethane	Ave	0.6314	0.6336		10.0	10.0	0.4	30.0
Methyl methacrylate	Ave	0.5749	0.5848		10.2	10.0	1.7	30.0
1,4-Dioxane	Ave	0.3266	0.3187		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	1.461	1.445		9.89	10.0	-1.1	30.0
cis-1,3-Dichloropropene	Ave	1.262	1.221		9.67	10.0	-3.2	30.0
methyl isobutyl ketone	Ave	1.784	1.742		9.76	10.0	-2.4	30.0
Toluene	Ave	1.165	1.150		9.87	10.0	-1.3	30.0
n-Octane	Ave	2.082	1.906		9.16	10.0	-8.4	30.0
trans-1,3-Dichloropropene	Ave	1.198	1.196		9.98	10.0	-0.1	30.0
1,1,2-Trichloroethane	Ave	0.5862	0.5563		9.49	10.0	-5.1	30.0
Tetrachloroethene	Ave	0.9672	0.9289		9.60	10.0	-4.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.392	1.385		9.95	10.0	-0.5	30.0
Dibromochloromethane	Ave	1.239	1.296		10.5	10.0	4.6	30.0
1,2-Dibromoethane	Ave	1.021	1.022		10.0	10.0	0.0	30.0
Chlorobenzene	Ave	1.547	1.533		9.91	10.0	-0.9	30.0
Ethylbenzene	Ave	2.755	2.730		9.91	10.0	-0.9	30.0
n-Nonane	Ave	1.490	1.438		9.66	10.0	-3.4	30.0
m,p-Xylene	Ave	0.9890	0.998		20.2	20.0	0.9	30.0
Xylene, o-	Ave	0.9681	0.9847		10.2	10.0	1.7	30.0
Styrene	Ave	1.531	1.617		10.6	10.0	5.6	30.0
Bromoform	Ave	1.211	1.327		11.0	10.0	9.5	30.0
Cumene	Ave	3.046	3.093		10.2	10.0	1.6	30.0
1,1,2,2-Tetrachloroethane	Ave	1.511	1.476		9.77	10.0	-2.3	30.0
1,2,3-Trichloropropane	Ave	1.327	1.344		10.1	10.0	1.2	30.0
n-Propylbenzene	Ave	3.746	3.774		10.1	10.0	0.8	30.0
2-Chlorotoluene	Ave	2.706	2.735		10.1	10.0	1.1	30.0
4-Ethyltoluene	Ave	3.044	3.116		10.2	10.0	2.4	30.0
n-Decane	Ave	1.920	1.942		10.1	10.0	1.1	30.0
1,3,5-Trimethylbenzene	Ave	2.637	2.719		10.3	10.0	3.1	30.0
Alpha Methyl Styrene	Ave	1.214	1.299		10.7	10.0	7.1	30.0
tert-Butylbenzene	Ave	2.485	2.595		10.4	10.0	4.4	30.0
1,2,4-Trimethylbenzene	Ave	2.623	2.763		10.5	10.0	5.3	30.0
sec-Butylbenzene	Ave	3.785	3.948		10.4	10.0	4.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65052-1
 SDG No.: _____
 Lab Sample ID: ICV 200-183827/16 Calibration Date: 09/23/2022 04:08
 Instrument ID: CHC.i Calib Start Date: 09/22/2022 17:16
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/23/2022 01:24
 Lab File ID: 52543-16.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
1,3-Dichlorobenzene	Ave	1.613	1.701		10.5	10.0	5.5	30.0
4-Isopropyltoluene	Ave	3.103	3.271		10.5	10.0	5.4	30.0
1,4-Dichlorobenzene	Ave	1.638	1.743		10.6	10.0	6.4	30.0
Benzyl chloride	Ave	2.570	2.686		10.4	10.0	4.5	30.0
n-Butylbenzene	Ave	3.203	3.354		10.5	10.0	4.7	30.0
1,2-Dichlorobenzene	Ave	1.568	1.646		10.5	10.0	4.9	30.0
n-Undecane	Ave	2.030	2.216		10.9	10.0	9.1	30.0
n-Dodecane	Ave	1.994	2.170		10.9	10.0	8.9	30.0
1,2,4-Trichlorobenzene	Ave	1.475	1.690		11.5	10.0	14.6	30.0
Hexachlorobutadiene	Ave	1.713	1.878		11.0	10.0	9.6	30.0
Naphthalene	Ave	2.947	3.422		11.6	10.0	16.1	30.0
1,2,3-Trichlorobenzene	Ave	1.205	1.402		11.6	10.0	16.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65052-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-183932/2 Calibration Date: 09/26/2022 07:40
 Instrument ID: CHC.i Calib Start Date: 09/22/2022 17:16
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/23/2022 01:24
 Lab File ID: 52578-02.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
Propylene	Ave	2.611	2.666		10.2	10.0	2.1	30.0
Dichlorodifluoromethane	Ave	8.529	8.605		10.1	10.0	0.9	30.0
Freon 22	Ave	4.741	4.628		9.76	10.0	-2.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	6.300	6.139		9.74	10.0	-2.6	30.0
Chloromethane	Ave	1.815	1.743		9.60	10.0	-4.0	30.0
n-Butane	Ave	3.133	2.739		8.74	10.0	-12.6	30.0
Vinyl chloride	Ave	2.064	1.739		8.43	10.0	-15.7	30.0
1,3-Butadiene	Ave	1.633	1.270		7.78	10.0	-22.2	30.0
Bromomethane	Ave	1.725	1.391		8.07	10.0	-19.3	30.0
Chloroethane	Ave	0.8744	0.7214		8.25	10.0	-17.5	30.0
Isopentane	Ave	2.469	1.738		7.04	10.0	-29.6	30.0
Bromoethene (Vinyl Bromide)	Ave	1.742	1.503		8.62	10.0	-13.8	30.0
Trichlorofluoromethane	Ave	6.855	5.602		8.17	10.0	-18.3	30.0
n-Pentane	Ave	3.479	2.651		7.62	10.0	-23.8	30.0
Ethanol	Ave	0.8355	0.6512		11.7	15.0	-22.1	30.0
Ethyl ether	Ave	1.346	1.101		8.18	10.0	-18.2	30.0
Acrolein	Ave	0.7721	0.5989		7.76	10.0	-22.4	30.0
Freon TF	Ave	4.346	3.713		8.54	10.0	-14.6	30.0
1,1-Dichloroethene	Ave	2.001	1.572		7.86	10.0	-21.4	30.0
Acetone	Ave	3.450	2.736		7.93	10.0	-20.7	30.0
Carbon disulfide	Ave	5.169	4.463		8.63	10.0	-13.7	30.0
Isopropyl alcohol	Ave	3.833	3.043		7.94	10.0	-20.6	30.0
3-Chloropropene	Ave	3.190	2.430		7.62	10.0	-23.8	30.0
Acetonitrile	Ave	1.570	1.303		8.30	10.0	-17.0	30.0
Methylene Chloride	Ave	2.608	2.105		8.07	10.0	-19.3	30.0
tert-Butyl alcohol	Ave	4.819	4.064		8.43	10.0	-15.7	30.0
trans-1,2-Dichloroethene	Ave	3.575	2.819		7.88	10.0	-21.1	30.0
Methyl tert-butyl ether	Ave	6.667	5.621		8.43	10.0	-15.7	30.0
Acrylonitrile	Ave	1.356	1.171		8.63	10.0	-13.6	30.0
n-Hexane	Ave	3.173	2.655		8.37	10.0	-16.3	30.0
1,1-Dichloroethane	Ave	4.128	3.303		8.00	10.0	-20.0	30.0
Vinyl acetate	Ave	6.232	5.148		8.26	10.0	-17.4	30.0
cis-1,2-Dichloroethene	Ave	2.305	1.993		8.64	10.0	-13.5	30.0
Methyl Ethyl Ketone	Ave	1.014	0.9415		9.28	10.0	-7.1	30.0
Ethyl acetate	Ave	0.1654	0.1549		9.36	10.0	-6.3	30.0
Tetrahydrofuran	Ave	0.4497	0.3653		8.12	10.0	-18.8	30.0
Chloroform	Ave	5.747	5.114		8.90	10.0	-11.0	30.0
1,1,1-Trichloroethane	Ave	1.086	0.9187		8.46	10.0	-15.4	30.0
Cyclohexane	Ave	0.5063	0.4482		8.85	10.0	-11.5	30.0
Carbon tetrachloride	Ave	1.220	1.037		8.50	10.0	-15.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65052-1

SDG No.: _____

Lab Sample ID: CCVIS 200-183932/2 Calibration Date: 09/26/2022 07:40

Instrument ID: CHC.i Calib Start Date: 09/22/2022 17:16

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/23/2022 01:24

Lab File ID: 52578-02.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
Benzene	Ave	1.288	1.154		8.96	10.0	-10.4	30.0
2,2,4-Trimethylpentane	Ave	2.251	1.972		8.76	10.0	-12.4	30.0
1,2-Dichloroethane	Ave	0.8413	0.6940		8.25	10.0	-17.5	30.0
n-Heptane	Ave	1.020	0.8642		8.47	10.0	-15.2	30.0
Trichloroethene	Ave	0.7327	0.6748		9.21	10.0	-7.9	30.0
n-Butanol	Ave	0.3137	0.2915		9.29	10.0	-7.1	30.0
1,2-Dichloropropane	Ave	0.6265	0.6023		9.61	10.0	-3.9	30.0
Dibromomethane	Ave	0.6314	0.6306		9.99	10.0	-0.1	30.0
Methyl methacrylate	Ave	0.5749	0.5895		10.3	10.0	2.5	30.0
1,4-Dioxane	Ave	0.3266	0.3229		9.89	10.0	-1.1	30.0
Bromodichloromethane	Ave	1.461	1.418		9.70	10.0	-3.0	30.0
cis-1,3-Dichloropropene	Ave	1.262	1.306		10.3	10.0	3.5	30.0
methyl isobutyl ketone	Ave	1.784	1.763		9.88	10.0	-1.2	30.0
Toluene	Ave	1.165	1.116		9.57	10.0	-4.2	30.0
n-Octane	Ave	2.082	1.992		9.57	10.0	-4.3	30.0
trans-1,3-Dichloropropene	Ave	1.198	1.237		10.3	10.0	3.3	30.0
1,1,2-Trichloroethane	Ave	0.5862	0.5534		9.44	10.0	-5.6	30.0
Tetrachloroethene	Ave	0.9672	0.8801		9.10	10.0	-9.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.392	1.289		9.26	10.0	-7.4	30.0
Dibromochloromethane	Ave	1.239	1.208		9.75	10.0	-2.5	30.0
1,2-Dibromoethane	Ave	1.021	1.008		9.87	10.0	-1.3	30.0
Chlorobenzene	Ave	1.547	1.503		9.71	10.0	-2.9	30.0
Ethylbenzene	Ave	2.755	2.655		9.64	10.0	-3.6	30.0
n-Nonane	Ave	1.490	1.425		9.57	10.0	-4.3	30.0
m,p-Xylene	Ave	0.9890	0.9402		19.0	20.0	-4.9	30.0
Xylene, o-	Ave	0.9681	0.9438		9.75	10.0	-2.5	30.0
Styrene	Ave	1.531	1.532		10.0	10.0	0.1	30.0
Bromoform	Ave	1.211	1.207		9.96	10.0	-0.4	30.0
Cumene	Ave	3.046	3.013		9.89	10.0	-1.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.511	1.490		9.86	10.0	-1.4	30.0
1,2,3-Trichloropropane	Ave	1.327	1.341		10.1	10.0	1.0	30.0
n-Propylbenzene	Ave	3.746	3.751		10.0	10.0	0.1	30.0
2-Chlorotoluene	Ave	2.706	2.668		9.86	10.0	-1.4	30.0
4-Ethyltoluene	Ave	3.044	3.036		9.97	10.0	-0.3	30.0
n-Decane	Ave	1.920	1.999		10.4	10.0	4.1	30.0
1,3,5-Trimethylbenzene	Ave	2.637	2.613		9.91	10.0	-0.9	30.0
Alpha Methyl Styrene	Ave	1.214	1.248		10.3	10.0	2.9	30.0
tert-Butylbenzene	Ave	2.485	2.473		9.95	10.0	-0.5	30.0
1,2,4-Trimethylbenzene	Ave	2.623	2.656		10.1	10.0	1.3	30.0
sec-Butylbenzene	Ave	3.785	3.833		10.1	10.0	1.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-65052-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-183932/2 Calibration Date: 09/26/2022 07:40
 Instrument ID: CHC.i Calib Start Date: 09/22/2022 17:16
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/23/2022 01:24
 Lab File ID: 52578-02.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
1,3-Dichlorobenzene	Ave	1.613	1.607		9.96	10.0	-0.4	30.0
4-Isopropyltoluene	Ave	3.103	3.149		10.1	10.0	1.5	30.0
1,4-Dichlorobenzene	Ave	1.638	1.648		10.1	10.0	0.6	30.0
Benzyl chloride	Ave	2.570	2.580		10.0	10.0	0.4	30.0
n-Butylbenzene	Ave	3.203	3.332		10.4	10.0	4.0	30.0
1,2-Dichlorobenzene	Ave	1.568	1.549		9.87	10.0	-1.2	30.0
n-Undecane	Ave	2.030	2.335		11.5	10.0	15.0	30.0
n-Dodecane	Ave	1.994	2.070		10.4	10.0	3.8	30.0
1,2,4-Trichlorobenzene	Ave	1.475	1.439		9.75	10.0	-2.4	30.0
Hexachlorobutadiene	Ave	1.713	1.579		9.22	10.0	-7.8	30.0
Naphthalene	Ave	2.947	2.967		10.1	10.0	0.7	30.0
1,2,3-Trichlorobenzene	Ave	1.205	1.128		9.36	10.0	-6.4	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-65051-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 07/08/2022 14:27Analysis Batch Number: 181495End Date: 07/09/2022 06:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-181495/1		07/08/2022 14:27	1	51593-001.d	RTX-624 0.32 (mm)
IC 200-181495/4		07/08/2022 17:08	1	51593-004.d	RTX-624 0.32 (mm)
IC 200-181495/5		07/08/2022 18:01	1	51593-005.d	RTX-624 0.32 (mm)
ZZZZZ		07/08/2022 18:01	1		RTX-624 0.32 (mm)
IC 200-181495/6		07/08/2022 18:54	1	51593-006.d	RTX-624 0.32 (mm)
ZZZZZ		07/08/2022 18:54	1		RTX-624 0.32 (mm)
IC 200-181495/7		07/08/2022 19:47	1	51593-007.d	RTX-624 0.32 (mm)
ZZZZZ		07/08/2022 19:47	1		RTX-624 0.32 (mm)
ICIS 200-181495/8		07/08/2022 20:39	1	51593-008.d	RTX-624 0.32 (mm)
IC 200-181495/9		07/08/2022 21:32	1	51593-009.d	RTX-624 0.32 (mm)
IC 200-181495/12		07/09/2022 00:10	1	51593-012.d	RTX-624 0.32 (mm)
IC 200-181495/13		07/09/2022 01:03	1	51593-013.d	RTX-624 0.32 (mm)
ICV 200-181495/18		07/09/2022 05:26	1	51593-018.d	RTX-624 0.32 (mm)
ZZZZZ		07/09/2022 06:18	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-65051-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 09/26/2022 06:48Analysis Batch Number: 183934End Date: 09/27/2022 05:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-183934/1		09/26/2022 06:48	1	52579-001.d	RTX-624 0.32 (mm)
CCVIS 200-183934/2		09/26/2022 07:39	1	52579-002.d	RTX-624 0.32 (mm)
LCS 200-183934/3		09/26/2022 08:31	1	52579-003.d	RTX-624 0.32 (mm)
MB 200-183934/4		09/26/2022 09:23	1	52579-004.d	RTX-624 0.32 (mm)
200-65051-1	2690	09/26/2022 10:28	1	52579-005.d	RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 11:20	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 12:13	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 13:05	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 13:57	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 14:50	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 15:48	1.45		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 16:41	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 17:33	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 18:25	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 19:17	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 20:09	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 21:02	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 21:54	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 22:46	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 23:38	1		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 00:31	10		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 01:23	10		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 02:15	10		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 03:08	263		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 04:00	250		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 04:53	2		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 05:46	12.5		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-65052-1

SDG No.: _____

Instrument ID: CHC.iStart Date: 09/22/2022 14:36Analysis Batch Number: 183827End Date: 09/23/2022 04:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-183827/1		09/22/2022 14:36	1	52543-01.D	RTX-624 0.32 (mm)
IC 200-183827/4		09/22/2022 17:16	1	52543-04.D	RTX-624 0.32 (mm)
IC 200-183827/5		09/22/2022 18:10	1	52543-05.D	RTX-624 0.32 (mm)
IC 200-183827/6		09/22/2022 19:04	1	52543-06.D	RTX-624 0.32 (mm)
IC 200-183827/7		09/22/2022 19:59	1	52543-07.D	RTX-624 0.32 (mm)
ICIS 200-183827/8		09/22/2022 20:53	1	52543-08.D	RTX-624 0.32 (mm)
IC 200-183827/9		09/22/2022 21:47	1	52543-09.D	RTX-624 0.32 (mm)
IC 200-183827/12		09/23/2022 00:30	1	52543-12.D	RTX-624 0.32 (mm)
IC 200-183827/13		09/23/2022 01:24	1	52543-13.D	RTX-624 0.32 (mm)
ZZZZZ		09/23/2022 03:14	1		RTX-624 0.32 (mm)
ICV 200-183827/16		09/23/2022 04:08	1	52543-16.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-65052-1

SDG No.: _____

Instrument ID: CHC.iStart Date: 09/26/2022 06:52Analysis Batch Number: 183932End Date: 09/27/2022 05:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-183932/1		09/26/2022 06:52	1	52578-01.D	RTX-624 0.32 (mm)
CCVIS 200-183932/2		09/26/2022 07:40	1	52578-02.D	RTX-624 0.32 (mm)
LCS 200-183932/3		09/26/2022 08:35	1	52578-03.D	RTX-624 0.32 (mm)
MB 200-183932/4		09/26/2022 09:29	1	52578-04.D	RTX-624 0.32 (mm)
200-65052-1	5047	09/26/2022 10:30	0.2	52578-05.D	RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 11:24	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 12:19	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 13:12	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 14:06	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 15:00	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 15:54	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 16:48	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 17:43	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 18:37	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 19:31	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 20:26	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 21:20	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 22:14	10		RTX-624 0.32 (mm)
ZZZZZ		09/26/2022 23:09	1		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 00:03	1040		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 00:57	1		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 01:52	1019		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 02:46	1		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 03:41	2		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 04:36	10		RTX-624 0.32 (mm)
ZZZZZ		09/27/2022 05:30	200		RTX-624 0.32 (mm)

Shipping and Receiving Documents

[illegible]



Environment Testing
TestAmerica

ORIGIN ID:LDJA (732) 549-3900
JUNIOR PRASAD
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 13OCT22
ACTWGT: 7.35 LB
CAD: 0358159/CAFE3616

BILL RECIPIENT

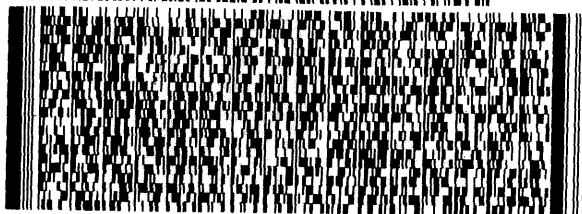
TO **SAMPLE CUSTODY**
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 655-1203

INVT
POL

REF:

DEPT:



FedEx
Express



2 of 2

MPS# 1161 6408 2120

Mstr# 1161 6408 2110

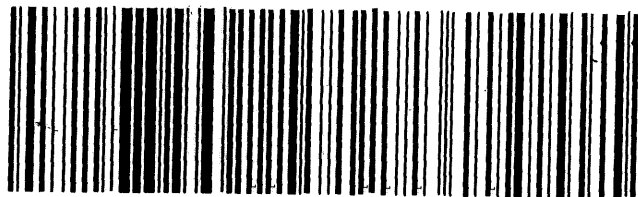
0201

NL BTVA

FRI - 14 OCT 10:30
PRIORITY OVERNIGHT

05403

VT-US BT



Environment Testing
TestAmerica

ORIGIN ID:LDJA (732) 549-3900
JUNIOR PRASAD
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 13OCT22
ACTWGT: 28.70 LB
CAD: 0358159/CAFE3616

BILL RECIPIENT

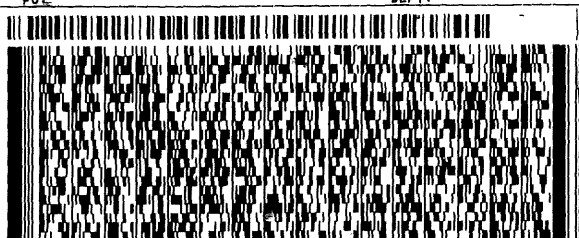
TO **SAMPLE CUSTODY**
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 655-1203

INVT
POL

REF:

DEPT:



FedEx
Express



1 of 2

TRK# 1161 6408 2110

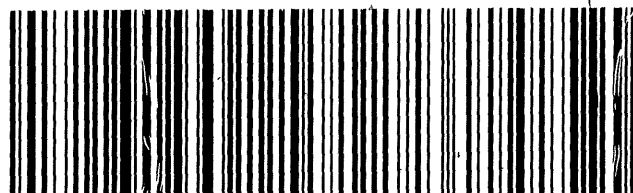
0201
MASTER

NL BTVA

FRI - 14 OCT 10:30A
PRIORITY OVERNIGHT

05403

VT-US BT



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 200-65325-1

SDG Number: 200-65325

Login Number: 65325

List Source: Eurofins Burlington

List Number: 1

Creator: Cunningham, Caroline R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1951597, 1951596
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	