



January 30, 2026
Project No. 10427173 Task 4.0

Ms. Marlen Salazar
New York State Department of Environmental Conservation
Division of Environmental Remediation | Section A, Region 2
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 and Corrective Measures Work Plan
Rev 1

Introduction

This memorandum (Tech Memo) was prepared by HDR to summarize the April 2025 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 for the basement (Lower Level 2, or “LL2”) spaces at the school, and at the three-year frequency that was approved by NYSDEC with the prior data submittal (HDR, 2022). This Tech Memo provides a summary and assessment of the LL2 sampling conducted on April 2, 2025, and includes sample methods, data, and recommendations with regard to LL2 indoor air quality.

Based on reviews of the data and information contained within this report and feedback provided by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH), this Tech Memo has been updated to include proposed Corrective Measures at the site to modify existing controls to reduce the potential for vapor intrusion on-site. Agency feedback was provided during a September 4, 2025, conference call and in subsequent email communications with the NYSDEC case manager. HDR as the engineer for LFNY and TTWORKS, LLC (a subcontractor to HDR) have reviewed site information and agency direction to develop a corrective measures work plan (CMWP) which is included at the end of this memorandum. If approved, the proposed measures will be installed by TTWORKS with HDR oversight.

Indoor Air Sampling – April 2, 2025

On Wednesday, April 2, 2025, one outdoor and four indoor air samples were collected by HDR. Figure 1 depicts the LL2 sample locations, which were consistent with the prior sampling that has been conducted. According to school personnel, the building’s HVAC and CASPR systems¹ were operating normally

¹ See November 2020 Tech Memo for information on CASPR Units that have been installed and are operational at the school. CASPR units (<https://casprgroup.com/solutions/caspr-pro-in-duct/>) were installed in the air handling units that service the LL2 south and north gyms to evaluate the

during the sampling event. The school was closed on this date; however, there was an orientation event occurring in the auditorium between the two gyms for approximately 3.5 hours. This event was attended by roughly 200 people and the doors in the hallway outside of the auditorium were closed to prevent foot traffic during sampling. Water leak repairs were conducted on the roof of the building on this day, requiring the application of an elastomeric roof coating at areas of the roof including those adjacent to the fresh air intake for the lower-level units, including those that serve the gyms, hallways, and other spaces in LL2. A Safety Data Sheet (SDS) for the roof coating that was used can be found in the attachments as Exhibit A. Two cars were parked near the outdoor Summa canister in the driveway and remained there throughout the day, not moving prior to the completion of air sampling.

As recorded at a nearby Upper East Side weather station, outdoor temperatures during the sampling period rose from a low of 39 degrees Fahrenheit (°F) at the beginning of sampling to a high of 48 °F just before the conclusion of sampling with minor deviations for the remainder of the sampling period. Air pressure remained at roughly 30.47 inches mercury over the course of the sampling period. The prevailing wind direction was northeast for the majority of the day, switching to southeast by the end of the day. Average wind speeds were between 8 to 17 miles per hour with gusts up to 21 mph throughout the day. Precipitation was not recorded (Weather Underground 2025).

Based on information from the school, LFNy is implementing capital improvements in the building (including ones that relate to the air handling systems). In summer 2024, work included the changeout of AHU #1 which serves the LL1& LL2 offices and hallways. This summer (2025), LFNy began retrofitting AHU #3 which serves the LL2 North Gym. This project includes installation of new motors / variable frequency drives (VFDs), fan assemblies, UV coil protection, and new air monitoring devices to track CO levels. Similar work on the AHU serving the LL2 South Gym is planned for 2026.

The 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 sample locations is provided as Figure 1, and photographs taken during this sampling event are provided in Appendix A. The sample locations are consistent with those of prior sampling events.

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. Air Sampling Logs are provided in Appendix B. Sample durations were as follows:

technology as an added measure to protect against COVID-19. Based on efficacy testing performed by LFNy, one CASPR 5000 unit in the south gym and three CASPR units (one 5000 and two 2500-sized) in the north gym remain operational.

South gym	8:01 – 16:02	8 hours, 1 minute
North gym	7:57 – 15:58	8 hours, 1 minute
SW sump room	8:04 – 16:05	8 hours, 1 minute
Hallway	8:00 – 16:00	8 hours, 0 minutes
Driveway	8:07 – 14:07	6 hours, 0 minutes

A chain-of-custody record was maintained for each sample. At the completion of sample collection, the canisters were packaged and shipped to the laboratory on April 2nd (Eurofins TestAmerica in South Burlington, VT). The samples were analyzed for PCE and TCE using the EPA TO-15 Method, with the laboratory method detection limits for TCE at 0.2 µg/m³ and PCE at 1.4 µg/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 C as part of the laboratory report.

Laboratory Analytical Results

The following table summarizes the LL2 sampling data from December 2019 – April 2025.

Sample Event	South Gym	North Gym	Hallway	SW sump room	Driveway (OA)
Trichloroethylene (TCE)					
Dec. 2019	2.2	0.44	0.19 J	NS	0.2 U
Jul. 2020	0.46	0.76	1	2.7	0.27
Feb. 2021	0.34	1.3	1.4	170 D	0.65
Mar. 2021	NS	NS	NS	46	NS
Jun. 2021	NS	NS	NS	25	NS
Oct. 2022	0.2 U	0.2 U	0.55	7.2	0.79 U
Apr. 2025	0.2 U	3.6	1.5	19	0.2 U
Tetrachloroethylene (PCE)					
Dec. 2019	9	2	0.89 J	NS	1.4 U
Jul. 2020	1.5	3.3	4.3	17	1.1 J
Feb. 2021	1.3 J	5.2	6.6	630 D	1.5 J
Mar. 2021	NS	NS	NS	180	NS
Jun. 2021	NS	NS	NS	85	NS
Oct. 2022	0.39 J	0.39 J	3.3	32	0.58 J
Apr. 2025	1.4 U	5.8	4.4	61	1.4 U
Note: Units are in µg/m³ OA - Outside Ambient NS - Not Sampled J - result is estimated U - Not Detected, Reporting Detection Limit (RDL) is shown D – Dilution factor of 5					

A copy of the Category B laboratory reports for the April 2025 LL2 sampling are provided as Appendix C. Historic and current indoor air sampling results are also summarized in the attached Table 1.

Conclusions

Based on the data obtained during the April 2025 LL2 air sampling events and a review of historic LL2 data (refer to Table 1), the 2025 concentrations appear to remain generally consistent with prior data suggesting that these compounds are present at levels found in institutional buildings. The concentrations of TCE and PCE were found to have increased slightly to moderately from the prior (October 2022) sampling in the North Gym [TCE: 3.6 ug/m³ vs. ND PCE: 5.8 ug/m³ vs. 0.39 ug/m³]; LL2 Hallway [TCE: 1.5 ug/m³ vs. 0.55 mg/m³ PCE: 4.4 ug/m³ vs. 3.3 ug/m³]; and SW sump room [TCE: 19 ug/m³ vs. 7.2 ug/m³ PCE: 61 ug/m³ vs. 32 ug/m³]. However, data suggest that the engineered vapor barrier system remains effective in eliminating sub-slab vapor intrusion into the building, and the double-doors separating the SW sump room and the hallway are also effective at maintaining a net negative pressure in the sump room as compared with the hallway.

Since April 2025, flows from the sub-slab foundation drainage system have been noted to be non-existent or very low. The foundation drainage is collected by a series of pipes and flows to the pit in the SW Pit Room where it is pre-treated (granular activated carbon vessels) under a NYCDEP discharge permit. The levels of water in the system (and flows to the SW pit) have been monitored since 2005 by routine (monthly) checks of eleven cleanouts in LL2 (shown on Figure 1) as part of the Site Management Plan (SMP). This low / no flow foundation condition observed over the past 9 months is a new condition which may be indicative of a long-term change in the groundwater regime below the site. This condition will continue to be monitored under the SMP. NYCDEP has been made aware of this condition and that no foundation water is currently being collected and treated, and the annual discharge permit renewal is currently on hold status for the time being.

The sump room continues to house the water treatment system components (GAC, bag filters, meter/pumps) and is off-limits except for School maintenance staff and outside contractors. The double-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 existing water treatment system is being maintained by periodically running domestic water through the system (information is recorded on the SMP Non-Routine Maintenance forms). Should foundation flows return to 'normal' conditions, LFNY is also evaluating upgrade options for the existing water treatment system. Smaller equipment (possible 2026 installation) will allow more space for operations in the SW sump room, including the proposed corrective measures described below.

The school maintenance staff continues to operate and monitor the air handling systems in LL2 and throughout the building, including the dedicated unit within the SW sump room. During the April 2025 sampling event, it was reported that an elastomeric coating (Roof X Tender 985 Super Silicone; SDS included in Exhibit A) was applied to the exposed membrane of the roof including at areas adjacent to

the fresh air intakes for LL2. Although cVOCs are not an explicitly listed ingredient for this product, it is possible that the presence of this material could have impacted the PCE and TCE levels detected on the day of sampling.

Subsequent to submitting the April 2025 data to NYSDEC and NYSDOH, the data and site conditions were discussed on a September 4, 2025, conference call and via follow-on emails. The agencies requested that a Corrective Measures Work Plan (CMWP) be developed to modify existing controls at the site to reduce the potential for vapor intrusion and to address levels of PCE and TCE observed in indoor air samples since the prior (2022) sampling event. TTWORKS, LLC has been engaged to assist with the development of the corrective measures that are proposed below.

Corrective Measures Work Plan (CMWP)

Based on the LL2 April 2025 indoor air data, a review of site conditions, and discussions with the NYSDEC and NYSDOH, the following Corrective Measures are proposed. Upon approval, HDR and LFNY will promptly coordinate the implementation of these measures.

- **Modification to the sump cover in the SW sump room.** The sump cover was replaced in 2022 but is opened occasionally to access the water treatment system pumps and to collect water samples as part of the OM&M and discharge permitting of the treatment system. A modification to the sump pit cover system is proposed. The fixed portion will be modified by installing the Rextec CF-32 / 20 aluminum conduit transit sealing plate (see Appendix D) through which to route existing hosing from the water treatment system and to replace the existing penetrations. The new equipment is inclusive of vapor and moisture seals. A new bulkhead fitting (3" diameter) will also be added to accommodate a flexible hose for a new Passive Control filter (see below) to capture and absorb vapors entering the SW pit from the foundation.
- **Installation of an aluminum vapor seal** between an opening that exists between the foundation sump pit and the adjacent storm ejector pit in the room. This measure is proposed to confine vapors from the foundation system to the sump pit (see Appendix D for Drainage Solutions FV 08 flood valve).
- **Installation of Passive Control systems (with carbon filtration) in the SW Pit Room,** with objectives to –
 - Passively capture and treat vapors from within the foundation pit. A remote-mounted Solberg in-line T filter housing (ST-235P-300) is proposed to be installed within the sump room, behind the existing water treatment system equipment. Flexible hosing (3" with camlock fittings) will be run from the wall-mounted unit to the sump pit through the new bulkhead fitting to passively maintain pressures within the sealed pit and capture vapors from within the pit. See Appendix D for filter housing and filter media specifications.
 - Collect and scrub the SW sump room air for potential vapors. An OmniAire 600 Nitro air purifier (portable, commercial grade; 120V, GFI-protected; 200 cfm) with OAC 1515-H high-capacity carbon bulk filter (9.8 lbs. of activated carbon) will be wall-mounted within the 800 s.f.

sump room. The flow rate is expected to scrub 10-15 room volumes per hour when the purifier is run continuously. Appendix D includes specifications for OmniAire 600 air purifier.

- **Sampling and Corrective Measures monitoring.** The following sampling is proposed as part of the CMWP:
 - Prior to installing the equipment and measures described above, an indoor air sample will be collected in the SW sump room (baseline sample; to be evaluated with the April 2025 data [TCE: 19 ug/m³ ; PCE: 61 ug/m³] presented earlier in this Tech Memo). One 6-liter Summa canister with a 8-hour flow regulator will be collected and analyzed for the full TO-15 list of parameters, inclusive of PCE, TCE, and breakdown products. The canister and lab analyses will be furnished by Eurofins-TestAmerica. HDR will develop the chemical use inventory questionnaire (form is included in Appendix E) during this sampling event with focus on the SW pit room. Q1 2026
 - A subsequent round of LL2 indoor air sampling (at all 4 indoor locations plus one outdoor air sample, consistent with the April 2025 sampling) will be conducted to further evaluate the effectiveness of the corrective measures in reducing indoor air levels of chlorinated solvents. 6-liter Summa canisters with 8-hour flow regulators will be collected and analyzed for the full TO-15 list of parameters, inclusive of PCE, TCE, and breakdown products. The canisters and lab analyses will be furnished by Eurofins-TestAmerica. At this time HDR will complete the chemical use inventory questionnaire for the site. Q1 or Q2 2026; schedule for this sampling event to be coordinated with NYSDEC and NYSDOH.

A Corrective Measures Report detailing the above sampling, chemical use inventory, and assessment of the corrective measures installed will be submitted to NYSDEC and NYSDOH within 45-days of receiving final laboratory data for the LL2 indoor sampling. This report will include recommendations for follow-on indoor air sampling and enhanced corrective measures if required.

- **Site Management Plan (SMP) update.** Following installation and operation of the corrective measures (and if upgrades are also made to the on-site water treatment system), the 2010 SMP will need to be updated. Equipment specifications and cut sheets, required O&M, and other information will be added to the document. It is understood that the SMP reporting frequency (Periodic Review Report [PRR]) will also be reviewed and modified by the agencies. Updates to the SMP are targeted for submittal to NYSDEC in Q3 2026.

A modification in the SMP to decrease the monitoring frequency of the eleven LL2 cleanouts - from monthly to two (2) times per year - may be proposed, given the no / low foundation flow conditions observed at the site in 2025 which have persisted. Opening these cleanouts to collect water level measurements – although for short duration [minutes] – may be providing a pathway for VOCs in



groundwater to migrate into the LL2 spaces. The revised SMP will also include frequency for future indoor air sampling based on the effectiveness of the corrective measures, the above-described sampling results, and agency feedback.

Please contact me at 201-335-9412 if you need any additional information. We look forward to agency feedback on the proposed corrective measures and implementing them in the near term.

Sincerely,

Henningson, Durham & Richardson Architecture and Engineering, P.C.

Michael P. Musso, P.E.

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

Attachments

cc: Terrence Kennedy, LFNY
Todd Daniel (TTWORKS)



Michael P. Musso

Table 1

TCE/PCE Air Sampling Results

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

April 2025 Sample collection completed in accordance with the July 2020 Indoor Air Sample Collection Work Plan.

LL2-SOUTH GYM-04-02-25	LL2 South Gymnasium	4/2/2025	ND	ND
LL2-NORTH GYM-04-02-25	LL2 North Gymnasium	4/2/2025	3.6	5.8
LL2-HALLWAY-04-02-25	LL2 Hallway	4/2/2025	1.5	4.4
LL2-PUMP ROOM-04-02-25	LL2 SW Sump Pit Room (unoccupied)	4/2/2025	19.0	61
DRIVEWAY-04-02-25	Outdoor (ambient)	4/2/2025	ND	ND

Notes:

TCE - trichloroethene

PCE - tetrachloroethene

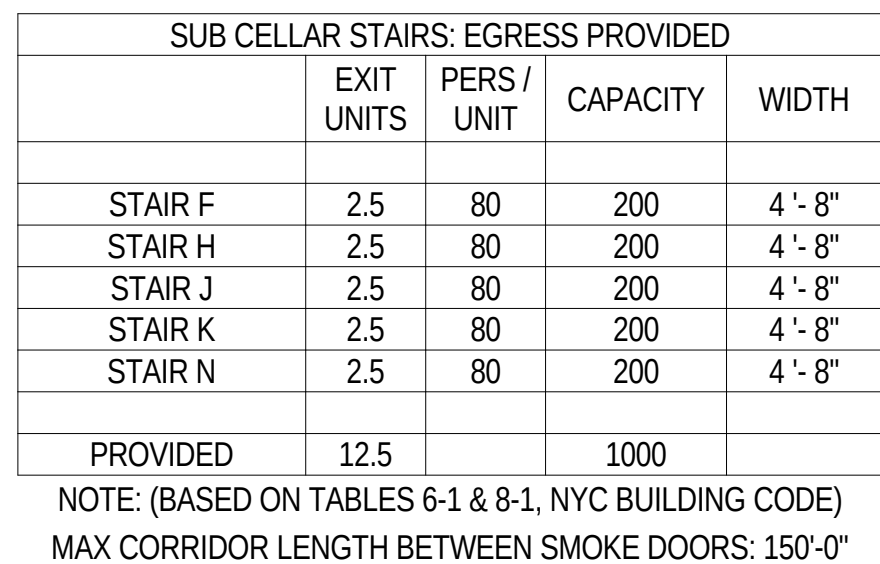
LL2 - lower level 2 (basement; lowest constructed space)

ND - Not detected

All data reported in unit of ug/m3

Figure 1

Air Sampling Locations



PAGE NO. OF
NYC DOB NUMBER

Appendix A

Sample Location Photographs

April 2, 2025

Photograph No. 1	Driveway sampling set up 
Photograph No. 2	Driveway sampling location 

Photograph No. 3	Hallway Sample Set up / Location 
Photograph No. 4	Hallway Sample Set up / Location 

Photograph No. 5	Hallway doors (closed) near sample location 
Photograph No. 6	North Gym sample set up 

Photograph No. 7	North Gym sample location 
Photograph No. 8	South Gym sample set up 

Photograph No. 9	South Gym sample location 
Photograph No. 10	South Gym sample location 

Photograph No. 11	SW Pit pump room sump 
Photograph No. 12	SW pit pump sample set up/location 

Appendix B
Air Sampling Logs
April 2, 2025

Indoor Air Sampling Log (North Gym)			
Job #	10427173		
Client	Lycee Francais de New York (LFNY)		
Date	4/2/25		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Zach Wisher, HDR		
Sample ID	LL2-North Gym-04-02-25		
Sample Location	North Gymnasium		
Sample Intake Height	Approx 3 ft. (on chair)		
Equipment	6.L summa canister with 8 hr regulator		
Canister	5448		
Regulator	3698		
Batch Cert ID:	2847-64442		
Time	Vacuum	Temperature (F)	Humidity
7:57	-30	71.0	23%
8:45	-29	73.9	21%
9:40	-27	75.6	20%
10:43	-24	73.4	20%
11:26	-21	72.9	20%
12:30	-18	72.7	20%
13:32	-15	72.9	20%
14:38	-12	73.0	20%
15:17	-11	73.1	21%
15:58	-9	73.5	21%
Comments	Gym mats stored along walls. Doors closed.		
	Used digital hygrometer from maintenance to collect temperature/ humidity readings.		

Indoor Air Sampling Log (Hallway)			
Job #	10427173		
Client	Lycee Francais de New York (LFNY)		
Date	4/2/25		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Zach Wisher, HDR		
Sample ID	LL2-Hallway-04-02-25		
Sample Location	LL2- mid hallway between N. & S. Gym		
Sample Intake Height	Approx 3ft (placed on bench)		
Equipment	6-L summa canister with 8 hr regulator		
Canister	2624		
Regulator	3784		
Batch Cert ID:	2847-64442		
Time	Vacuum	Temperature (F)	Humidity
8:00	-30	73.0	21%
8:48	-30	74.3	20%
9:43	-27	73.8	21%
10:45	-24	73.9	21%
11:28	-22	74.1	22%
12:32	-19	73.7	22%
13:33	-16	73.4	22%
14:40	-14	73.5	22%
15:18	-12	73.2	23%
16:00	-10	73.6	23%
Comments	About 200 people in auditorium, starting around 9:15, left by 12:30. Closed the doors between sample area & hallway to auditorium to prevent foot traffic		
	Used digital hygrometer from maintenance to collect temperature/ humidity readings.		

Indoor Air Sampling Log (South Gym)			
Job #	10427173		
Client	Lycee Francais de New York (LFNY)		
Date	4/2/25		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Zach Wisher, HDR		
Sample ID	LL2-South Gym-04-02-25		
Sample Location	South Gymnasium (Room L239; side of room)		
Sample Intake Height	Approx 3ft (on chair)		
Equipment	6-L summa canister with 8 hr regulator		
Canister	5061		
Regulator	3935		
Batch Cert ID:	2847-64442		
Time	Vacuum	Temperature (F)	Humidity
08:01	-30	71.2	19%
08:49	-28	71.0	18%
09:45	-25	71.0	18%
10:46	-23	70.7	18%
11:28	-20	70.6	19%
12:35	-17	70.9	19%
13:34	-14	70.8	19%
14:41	-10	71.0	19%
15:19	-9	71.2	19%
16:02	-7	71.6	19%
Comments	1 student @ 15:00 showed up to use gym, away from sample, door remained closed, student left around 15:30		
	Used digital hygrometer from maintenance to collect temperature/ humidity readings.		

Indoor Air Sampling Log (SW Pit Pump Room)			
Job #	10427173		
Client	Lycee Francais de New York (LFNY)		
Date	4/2/25		
Location	LFNY, 505 E. 75th St, NYC		
Sampled By	Zach Wisher, HDR		
Sample ID	LL2-Pump Room-04-02-25		
Sample Location	SW Pit pump room		
Sample Intake Height	Approx 3ft (placed on 30g drum)		
Equipment	6-L summa canister with 8 hr regulator		
Canister	34001357		
Regulator	4530		
Batch Cert ID:	2847-64442		
Time	Vacuum	Temperature (F)	Humidity
8:04	-30	73.4	28%
8:51	-29	73.9	29%
9:48	-26	74.8	29%
10:48	-23	75.5	30%
11:31	-21	75.9	30%
12:37	-19	74.2	31%
13:35	-17	73.4	31%
14:43	-12	73.6	32%
15:22	-11	73.2	33%
16:05	-9	73.8	34%
Comments	ST Pit room doors kept shut side from summa cannister placement & periodic check of flow regulator gauge.		
	Enrique confirmed (works in maintenance) fan is operational. Sump cover was in place. Used digital hygrometer from maintenance to collect temperature/humidity readings.		

Appendix C
Laboratory Report
April 10, 2025



ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Musso
HDR Inc
404 Airport Executive Park
Nanuet NY 10954

Generated 4/10/2025 4:16 PM

JOB DESCRIPTION

LFNY 2025

JOB NUMBER

200-77589-1

Eurofins Burlington

Job Notes

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Definitions/Glossary

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

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

Job Narrative
200-77589-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/3/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition.

Air - GC/MS VOA

No additional 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 2025

Job ID: 200-77589-1

Client Sample ID: LL2-North Gym - 04-02-25

Lab Sample ID: 200-77589-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	0.67		0.037	0.029	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	0.85		0.20	0.036	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	3.6		0.20	0.16	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	5.8		1.4	0.24	ug/m3	1			TO-15	Total/NA

Client Sample ID: LL2-South Gym - 04-02-25

Lab Sample ID: 200-77589-2

No Detections.

Client Sample ID: LL2-Hallway - 04-02-25

Lab Sample ID: 200-77589-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	0.29		0.037	0.029	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	0.65		0.20	0.036	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	1.5		0.20	0.16	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	4.4		1.4	0.24	ug/m3	1			TO-15	Total/NA

Client Sample ID: LL2-Pump Room - 04-02-25

Lab Sample ID: 200-77589-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	3.6		0.037	0.029	ppb v/v	1			TO-15	Total/NA
Tetrachloroethene	9.0		0.20	0.036	ppb v/v	1			TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	19		0.20	0.16	ug/m3	1			TO-15	Total/NA
Tetrachloroethene	61		1.4	0.24	ug/m3	1			TO-15	Total/NA

Client Sample ID: Driveway - 04-02-25

Lab Sample ID: 200-77589-5

No Detections.

Client Sample Results

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

Client Sample ID: LL2-North Gym - 04-02-25

Lab Sample ID: 200-77589-1

Date Collected: 04/02/25 15:58

Matrix: Air

Date Received: 04/03/25 10:00

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	0.67		0.037	0.029	ppb v/v			04/07/25 18:38	1
Tetrachloroethene	0.85		0.20	0.036	ppb v/v			04/07/25 18:38	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	3.6		0.20	0.16	ug/m3			04/07/25 18:38	1
Tetrachloroethene	5.8		1.4	0.24	ug/m3			04/07/25 18:38	1

Client Sample ID: LL2-South Gym - 04-02-25

Lab Sample ID: 200-77589-2

Date Collected: 04/02/25 16:02

Matrix: Air

Date Received: 04/03/25 10:00

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	0.029	ppb v/v			04/07/25 19:37	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			04/07/25 19:37	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.16	ug/m3			04/07/25 19:37	1
Tetrachloroethene	1.4	U	1.4	0.24	ug/m3			04/07/25 19:37	1

Client Sample ID: LL2-Hallway - 04-02-25

Lab Sample ID: 200-77589-3

Date Collected: 04/02/25 16:00

Matrix: Air

Date Received: 04/03/25 10:00

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	0.29		0.037	0.029	ppb v/v			04/08/25 00:29	1
Tetrachloroethene	0.65		0.20	0.036	ppb v/v			04/08/25 00:29	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.5		0.20	0.16	ug/m3			04/08/25 00:29	1
Tetrachloroethene	4.4		1.4	0.24	ug/m3			04/08/25 00:29	1

Client Sample ID: LL2-Pump Room - 04-02-25

Lab Sample ID: 200-77589-4

Date Collected: 04/02/25 16:05

Matrix: Air

Date Received: 04/03/25 10:00

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	3.6		0.037	0.029	ppb v/v			04/08/25 15:15	1
Tetrachloroethene	9.0		0.20	0.036	ppb v/v			04/08/25 15:15	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	19		0.20	0.16	ug/m3			04/08/25 15:15	1
Tetrachloroethene	61		1.4	0.24	ug/m3			04/08/25 15:15	1

Client Sample Results

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

Client Sample ID: Driveway - 04-02-25

Lab Sample ID: 200-77589-5

Date Collected: 04/02/25 14:07

Matrix: Air

Date Received: 04/03/25 10:00

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	0.029	ppb v/v			04/08/25 20:08	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			04/08/25 20:08	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.16	ug/m3			04/08/25 20:08	1
Tetrachloroethene	1.4	U	1.4	0.24	ug/m3			04/08/25 20:08	1

Default Detection Limits

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

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

Analyte	RL	MDL
Tetrachloroethene	0.20 ppb v/v	0.036 ppb v/v
Tetrachloroethene	1.4 ug/m3	0.24 ug/m3
Trichloroethene	0.037 ppb v/v	0.029 ppb v/v
Trichloroethene	0.20 ug/m3	0.16 ug/m3

QC Sample Results

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

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

Lab Sample ID: MB 200-214887/7

Matrix: Air

Analysis Batch: 214887

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	0.029	ppb v/v			04/07/25 12:44	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			04/07/25 12:44	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.16	ug/m3			04/07/25 12:44	1
Tetrachloroethene	1.4	U	1.4	0.24	ug/m3			04/07/25 12:44	1

Lab Sample ID: LCS 200-214887/8

Matrix: Air

Analysis Batch: 214887

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	11.6		ppb v/v		116	73 - 122
Tetrachloroethene	10.0	10.6		ppb v/v		106	70 - 125
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	54	62.4		ug/m3		116	73 - 122
Tetrachloroethene	68	71.9		ug/m3		106	70 - 125

Lab Sample ID: MB 200-214931/6

Matrix: Air

Analysis Batch: 214931

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	0.029	ppb v/v			04/08/25 12:18	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			04/08/25 12:18	1
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.20	U	0.20	0.16	ug/m3			04/08/25 12:18	1
Tetrachloroethene	1.4	U	1.4	0.24	ug/m3			04/08/25 12:18	1

Lab Sample ID: LCS 200-214931/4

Matrix: Air

Analysis Batch: 214931

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	11.5		ppb v/v		115	73 - 122
Tetrachloroethene	10.0	11.7		ppb v/v		117	70 - 125
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	54	61.9		ug/m3		115	73 - 122
Tetrachloroethene	68	79.2		ug/m3		117	70 - 125

QC Association Summary

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

Air - GC/MS VOA

Analysis Batch: 214887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-77589-1	LL2-North Gym - 04-02-25	Total/NA	Air	TO-15	
200-77589-2	LL2-South Gym - 04-02-25	Total/NA	Air	TO-15	
200-77589-3	LL2-Hallway - 04-02-25	Total/NA	Air	TO-15	
MB 200-214887/7	Method Blank	Total/NA	Air	TO-15	
LCS 200-214887/8	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 214931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-77589-4	LL2-Pump Room - 04-02-25	Total/NA	Air	TO-15	
200-77589-5	Driveway - 04-02-25	Total/NA	Air	TO-15	
MB 200-214931/6	Method Blank	Total/NA	Air	TO-15	
LCS 200-214931/4	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

Client Sample ID: LL2-North Gym - 04-02-25

Lab Sample ID: 200-77589-1

Date Collected: 04/02/25 15:58

Matrix: Air

Date Received: 04/03/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	214887	K1P	EET BUR	04/07/25 18:38

Client Sample ID: LL2-South Gym - 04-02-25

Lab Sample ID: 200-77589-2

Date Collected: 04/02/25 16:02

Matrix: Air

Date Received: 04/03/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	214887	K1P	EET BUR	04/07/25 19:37

Client Sample ID: LL2-Hallway - 04-02-25

Lab Sample ID: 200-77589-3

Date Collected: 04/02/25 16:00

Matrix: Air

Date Received: 04/03/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	214887	K1P	EET BUR	04/08/25 00:29

Client Sample ID: LL2-Pump Room - 04-02-25

Lab Sample ID: 200-77589-4

Date Collected: 04/02/25 16:05

Matrix: Air

Date Received: 04/03/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	214931	K1P	EET BUR	04/08/25 15:15

Client Sample ID: Driveway - 04-02-25

Lab Sample ID: 200-77589-5

Date Collected: 04/02/25 14:07

Matrix: Air

Date Received: 04/03/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	214931	K1P	EET BUR	04/08/25 20:08

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 2025

Job ID: 200-77589-1

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-26

Method Summary

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

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 2025

Job ID: 200-77589-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-77589-1	LL2-North Gym - 04-02-25	Air	04/02/25 15:58	04/03/25 10:00	Air Canister (6-Liter) #5448
200-77589-2	LL2-South Gym - 04-02-25	Air	04/02/25 16:02	04/03/25 10:00	Air Canister (6-Liter) #5061
200-77589-3	LL2-Hallway - 04-02-25	Air	04/02/25 16:00	04/03/25 10:00	Air Canister (6-Liter) #2624
200-77589-4	LL2-Pump Room - 04-02-25	Air	04/02/25 16:05	04/03/25 10:00	Air Canister (6-Liter) #34001357
200-77589-5	Driveway - 04-02-25	Air	04/02/25 14:07	04/03/25 10:00	Air Canister (6-Liter) #4555

Quantitation Limit Exceptions Summary

Client: HDR Inc
Project/Site: LFNY 2025

Job ID: 200-77589-1

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 BurlingtonJob No.: 200-77589-1

SDG No.: _____

Instrument ID: CHX.iAnalysis Batch Number: 214438Lab Sample ID: IC 200-214438/6

Client Sample ID: _____

Date Analyzed: 03/20/25 18:59Lab File ID: 64366-06.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	7.64	Assign Peak	F7XK	03/21/25 10:02
Acetonitrile	8.42	Assign Peak	F7XK	03/21/25 10:02
cis-1,3-Dichloropropene	15.34	Assign Peak	F7XK	03/21/25 10:04
m,p-Xylene	19.15	Assign Peak	F7XK	03/21/25 10:05
n-Nonane	19.22	Assign Peak	F7XK	03/21/25 10:06

Lab Sample ID: IC 200-214438/7

Client Sample ID: _____

Date Analyzed: 03/20/25 19:57Lab File ID: 64366-07.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	8.42	Assign Peak	F7XK	03/21/25 10:09

Lab Sample ID: IC 200-214438/19

Client Sample ID: _____

Date Analyzed: 03/21/25 09:07Lab File ID: 64366-19.DGC Column: RTX-624ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	5.20	Baseline	BKZ7	03/21/25 09:42
1,1-Dichloroethene	7.80	Baseline	BKZ7	03/21/25 09:42
cis-1,2-Dichloroethene	10.96	Baseline	BKZ7	03/21/25 09:43

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00274	03/27/25	02/11/25	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00240	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	0.233512 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.235116 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.: 200-77589-1

SDG No.: _____

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	0.234715 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.: 200-77589-1

SDG No.: _____

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	0.225294 ppb v/v
							Hexane	0.20044 ppb v/v
							Isooctane	0.20044 ppb v/v
							Isopropyl alcohol	0.23231 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	0.238323 ppb v/v
							o-Xylene	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

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	0.228301 ppb v/v
							Vinyl bromide	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00240	03/27/25	02/11/25	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00190	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	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	23.4554 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	23.4155 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.: 200-77589-1

SDG No.: _____

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	22.4756 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	23.1755 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	23.7754 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.: 200-77589-1

SDG No.: _____

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	22.7756 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00177	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00190	03/27/25	02/11/25	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	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	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 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.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	234.2 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	224.8 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	231.8 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	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	227.8 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	11/22/25	Linde, Lot CC-524925			(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	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 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
							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	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	1.124 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1.159 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	1.189 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.: 200-77589-1

SDG No.:

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	1.139 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00177	03/27/25	02/11/25	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_00354	03/27/25	02/11/25	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00240	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	0.583027 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.587031 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.: 200-77589-1

SDG No.:

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	0.58603 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.: 200-77589-1

SDG No.:

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	0.562509 ppb v/v
							Hexane	0.500453 ppb v/v
							Isooctane	0.500453 ppb v/v
							Isopropyl alcohol	0.580025 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.: 200-77589-1

SDG No.:

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	0.595038 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	0.570015 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.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ATTO15EthCALw_00177	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00240	03/27/25	02/11/25	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00190	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	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 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.: 200-77589-1

SDG No.: _____

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	23.4155 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.: 200-77589-1

SDG No.: _____

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	22.4756 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	23.1755 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	23.7754 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	22.7756 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00177	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00190	03/27/25	02/11/25	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	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	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 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.: 200-77589-1

SDG No.:

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	234.2 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	224.8 ppb v/v
							Hexane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	231.8 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	237.8 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	227.8 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	11/22/25	Linde, Lot CC-524925			(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	1.165 ppm v/v	
						1,2,3-Trichloropropane	1 ppm v/v	
						1,2,4-Trichlorobenzene	1.173 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	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	1.171 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	1.124 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	1.189 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	1.139 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00177	03/27/25	02/11/25	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_00177	03/27/25	02/11/25	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_00284	03/27/25	02/11/25	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00190	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	5.81634 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

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	5.85628 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	5.84629 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.: 200-77589-1

SDG No.:

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.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	5.61164 ppb v/v
							Hexane	4.99256 ppb v/v
							Isooctane	4.99256 ppb v/v
							Isopropyl alcohol	5.78638 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	5.93616 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.: 200-77589-1

SDG No.:

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	5.68653 ppb v/v
							Vinyl bromide	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
					ATTO15EthCALw_00177	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00190	03/27/25	02/11/25	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	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	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 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.: 200-77589-1

SDG No.:

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	234.2 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	224.8 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	231.8 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	237.8 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	227.8 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	11/22/25		Linde, Lot CC-524925		(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	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 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.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	1.171 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	1.124 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1.159 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	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

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	1.139 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00177	03/27/25	02/11/25	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_00832	03/27/25	02/11/25	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00190	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	11.6477 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	11.7277 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.: 200-77589-1

SDG No.:

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	11.7077 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.: 200-77589-1

SDG No.:

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	11.2378 ppb v/v
							Hexane	9.99806 ppb v/v
							Isooctane	9.99806 ppb v/v
							Isopropyl alcohol	11.5878 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.: 200-77589-1

SDG No.:

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	11.8877 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	11.3878 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.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ATTO15EthCALw_00177	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00190	03/27/25	02/11/25	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	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	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 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	234.2 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.: 200-77589-1

SDG No.:

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	224.8 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	231.8 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	237.8 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	227.8 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15CALs_00050	11/22/25		Linde, Lot CC-524925		(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	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 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	1.171 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.: 200-77589-1

SDG No.:

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	1.124 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1.159 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	1.189 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	1.139 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00177	03/27/25	02/11/25	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.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL4w_00833	06/25/25	03/26/25	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00191	773 mL	Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
.ATTO15CALSTKi_00191	06/25/25	03/26/25	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	Tetrachloroethene	200 ppb v/v
..ATTO15CALs_00050	11/22/25		Linde, Lot CC-524925			(Purchased Reagent)	Trichloroethene	200 ppb v/v
							Tetrachloroethene	1 ppm v/v
ATTO15CAL5w_00151	03/27/25	02/11/25	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00190	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	17.4791 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	17.5992 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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	17.5692 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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	16.864 ppb v/v
							Hexane	15.0036 ppb v/v
							Isooctane	15.0036 ppb v/v
							Isopropyl alcohol	17.3891 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octane	15.0036 ppb v/v
							N-Propylbenzene	15.0036 ppb v/v
							Naphthalene	17.8392 ppb v/v
							o-Xylene	15.0036 ppb v/v
							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	17.0891 ppb v/v
							Vinyl bromide	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
					ATTO15EthCALw_00177	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00190	03/27/25	02/11/25	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	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	233 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 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	234.2 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	231.8 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	237.8 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	227.8 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	11/22/25	Linde, Lot CC-524925			(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	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	1.171 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1.124 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1.159 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	1.189 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	1.139 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00177	03/27/25	02/11/25	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_00240	03/27/25	02/11/25	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00190	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 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	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	23.1755 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	23.7754 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	22.7756 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00177	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00190	03/27/25	02/11/25	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	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	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	234.2 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	224.8 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	231.8 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 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	227.8 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	11/22/25	Linde, Lot CC-524925			(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	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 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	1.124 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1.159 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	1.189 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	1.139 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00177	03/27/25	02/11/25	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_00151	03/27/25	02/11/25	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00190	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	46.591 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	46.9109 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							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	46.8309 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	39.9922 ppb v/v
							Chlorodibromomethane	39.9922 ppb v/v
							Chlorodifluoromethane	39.9922 ppb v/v
							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	44.9513 ppb v/v
							Hexane	39.9922 ppb v/v
							Isooctane	39.9922 ppb v/v
							Isopropyl alcohol	46.351 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v
							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	47.5508 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	45.5512 ppb v/v
							Vinyl bromide	39.9922 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	39.9922 ppb v/v
					ATTO15EthCALw_00177	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00190	03/27/25	02/11/25	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	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	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 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	234.2 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	224.8 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	231.8 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	237.8 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	227.8 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	11/22/25		Linde, Lot CC-524925		(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	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 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	1.171 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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	1.124 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1.159 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	1.189 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	1.139 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-77589-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ATTO15EthCALw_00177	03/27/25	02/11/25	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_00883	03/27/25	02/11/25	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00151	773 mL	Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
.ATTO15LCSSTKi_00151	03/27/25	02/11/25	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00051	7500 mL	Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
..ATTO15CALs_00051	11/22/25		Linde, Lot CC-237336		(Purchased Reagent)		Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
ATTO15LCSW_00884	06/25/25	03/26/25	Nitrogen, Lot 13	15.463 L	ATTO15LCSSTKi_00152	773 mL	Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
.ATTO15LCSSTKi_00152	06/25/25	03/26/25	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00051	7500 mL	Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
..ATTO15CALs_00051	11/22/25		Linde, Lot CC-237336		(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



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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

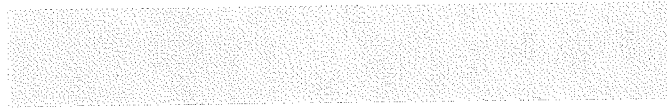
COA Form
Revision 3 (3/2015)

Print Date: 08/19/21

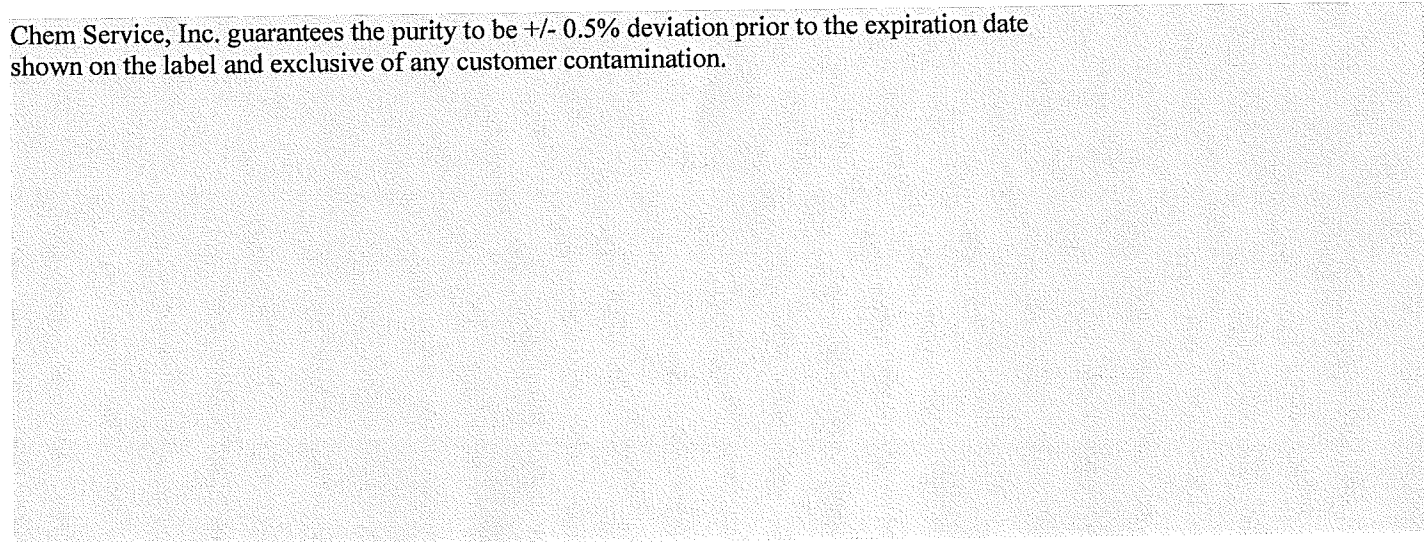




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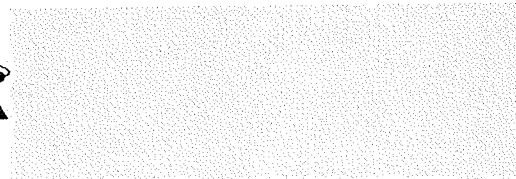
Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.



Certified By:

Mary Beth O'Donnell

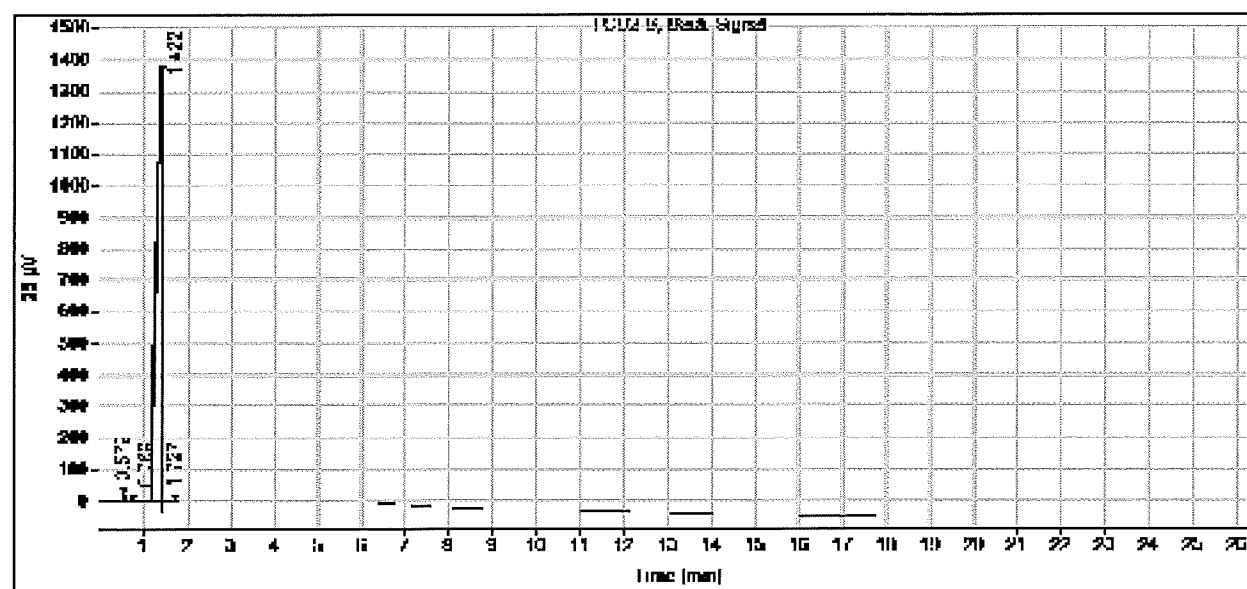
Mary Beth O'Donnell
CSM/TC



CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\0719\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		

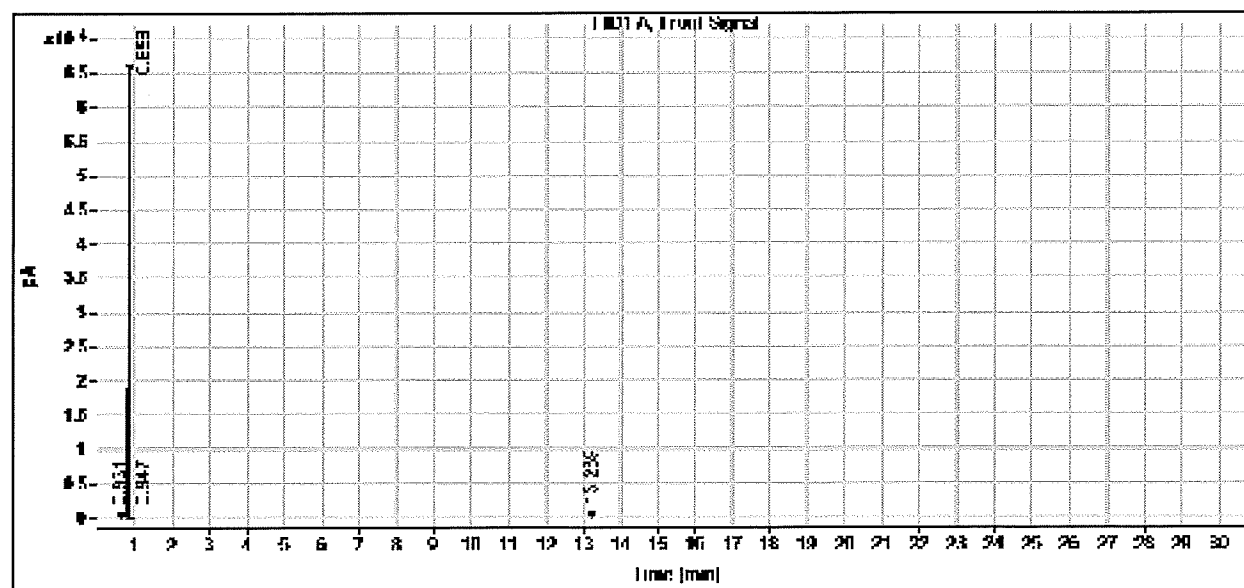


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CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\073010\073010B 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

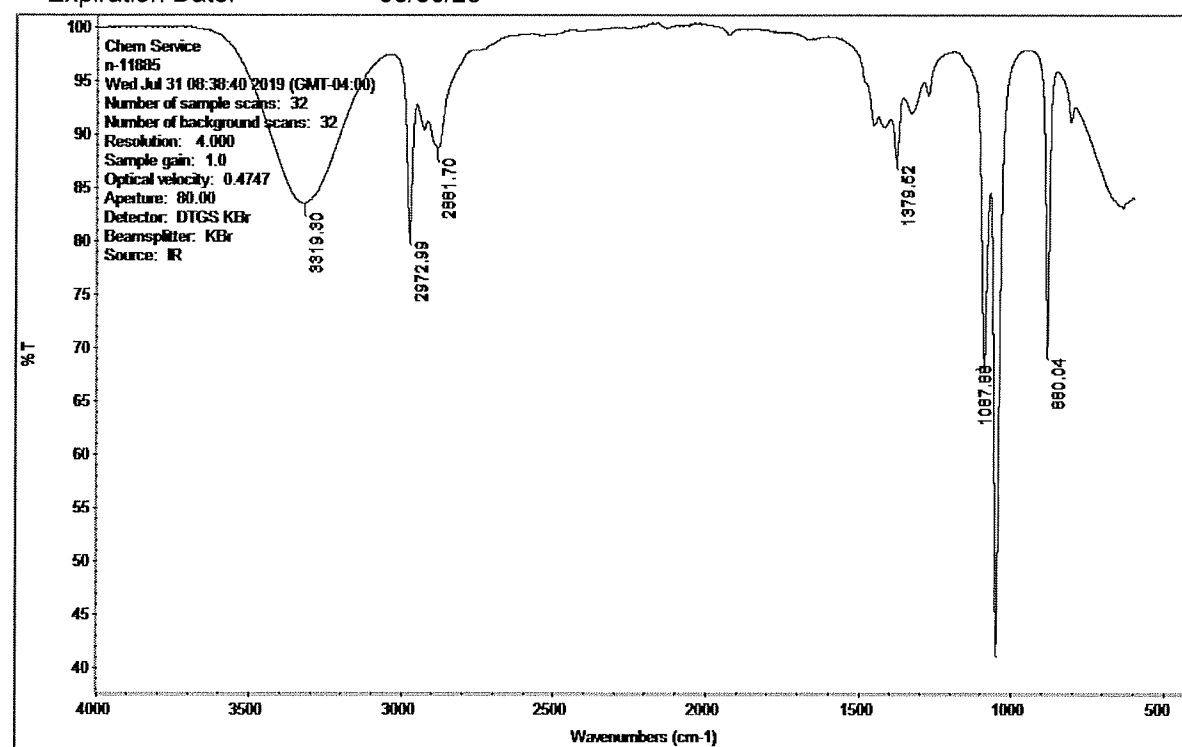
RT [min]	Type	Width [min]	Area	Height	Area%
0.631	BV	0.0075	0.2668	0.5372	0.0002
0.647	VB	0.0112	27.4219	37.8672	0.0185
0.868	BB S	0.0287	148490.7656	65443.8719	99.9813
13.239	BB	0.0025	0.0186	0.1089	0.0000
Sum			148518.4729		



CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11885-1G
Description: Ethyl alcohol
Lot Number: 12173500
Expiration Date: 08/30/25



Reagent

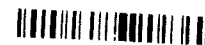
ATTO15CALs_00050



ISO/IEC 17025



Analysis Report



1871097

ID: ATTO15CALs_00050

Exp: 11/22/25 Prod: VTP

TO15 Calibration Source: T

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South Burlington, VT 05403

PAGE: 1 of 6
Report ID: 39140
Revision: 0

VTP 3/27/24

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	~~Mar-27-2025~~ 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

VTP 3/26/25

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/IEC 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 ISO/IEC 17025 requirements.

This report 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

Linde North America, Inc.

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Analysis Report

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PAGE: 2 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Propylene	115-07-1	1.000 ppm	2.571	1.066 ppm	± 0.050 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	2.571	1.065 ppm	± 0.044 ppm
Freon-12	75-71-8	1.000 ppm	2.571	1.048 ppm	± 0.033 ppm
Chloromethane	74-87-3	1.000 ppm	2.571	1.055 ppm	± 0.050 ppm
Freon-114	76-14-2	1.000 ppm	2.571	1.056 ppm	± 0.055 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.052 ppm	± 0.035 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.059 ppm	± 0.030 ppm
Methanol	67-56-1	1.000 ppm	2.571	1.213 ppm	± 0.034 ppm
n-Butane	106-97-8	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.051 ppm	± 0.033 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.046 ppm	± 0.028 ppm
Vinyl Bromide	593-60-2	1.000 ppm	2.571	1.058 ppm	± 0.028 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.101 ppm	± 0.036 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.171 ppm	± 0.038 ppm
Isopentane	78-78-4	1.000 ppm	2.571	1.060 ppm	± 0.038 ppm
Acetone	67-64-1	1.000 ppm	2.571	1.066 ppm	± 0.036 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.029 ppm	± 0.026 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	2.571	1.159 ppm	± 0.029 ppm
n-Pentane	109-66-0	1.000 ppm	2.571	1.057 ppm	± 0.026 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.070 ppm	± 0.034 ppm
Ethyl Ether	60-29-7	1.000 ppm	2.571	1.059 ppm	± 0.043 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.087 ppm	± 0.034 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.083 ppm	± 0.034 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.063 ppm	± 0.027 ppm
Tert-Butanol	75-65-0	1.000 ppm	2.571	1.084 ppm	± 0.027 ppm
3-Chloropropene	107-05-1	1.000 ppm	2.571	1.047 ppm	± 0.026 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.082 ppm	± 0.033 ppm

Linde Spectra Environmental Gases

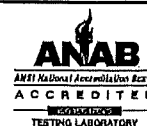
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PAGE:

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Report ID:

39140

Revision:

0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
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P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
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Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	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>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.035 ppm	± 0.034 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.042 ppm	± 0.042 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	2.571	1.050 ppm	± 0.031 ppm
Vinyl Acetate	108-05-4	1.000 ppm	2.571	1.139 ppm	± 0.030 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	2.571	1.060 ppm	± 0.023 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.081 ppm	± 0.042 ppm
Hexane	110-54-3	1.000 ppm	2.571	1.057 ppm	± 0.041 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.034 ppm	± 0.026 ppm
Ethyl Acetate	141-78-6	1.000 ppm	2.571	1.028 ppm	± 0.026 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.058 ppm	± 0.025 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.037 ppm	± 0.032 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.040 ppm	± 0.034 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.042 ppm	± 0.040 ppm
1-Butanol	71-36-3	1.000 ppm	2.571	1.092 ppm	± 0.027 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.045 ppm	± 0.026 ppm
Cyclohexane	110-82-7	1.000 ppm	2.571	1.058 ppm	± 0.032 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.044 ppm	± 0.026 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	2.571	1.052 ppm	± 0.026 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.048 ppm	± 0.025 ppm
Bromodichloromethane	75-27-4	1.000 ppm	2.571	1.043 ppm	± 0.025 ppm
1,4-Dioxane	123-91-1	1.000 ppm	2.571	1.045 ppm	± 0.025 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	2.571	1.044 ppm	± 0.025 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	2.571	1.049 ppm	± 0.024 ppm
Heptane	142-82-5	1.000 ppm	2.571	1.048 ppm	± 0.024 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	2.571	1.056 ppm	± 0.028 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	2.571	1.044 ppm	± 0.028 ppm
Methylcyclohexane	108-87-2	1.000 ppm	2.571	1.042 ppm	± 0.028 ppm

Linde Spectra Environmental Gases

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Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
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ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 4 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	2.571	1.053 ppm	± 0.026 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.052 ppm	± 0.023 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.049 ppm	± 0.023 ppm
n-Octane	111-65-9	1.000 ppm	2.571	1.056 ppm	± 0.027 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.039 ppm	± 0.020 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.051 ppm	± 0.023 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.053 ppm	± 0.022 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.048 ppm	± 0.021 ppm
Bromoform	75-25-2	1.000 ppm	2.571	1.051 ppm	± 0.051 ppm
Styrene	100-42-5	1.000 ppm	2.571	1.056 ppm	± 0.023 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	2.571	1.065 ppm	± 0.031 ppm
Nonane	111-84-2	1.000 ppm	2.571	1.052 ppm	± 0.021 ppm
Cumene	98-82-8	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	2.571	1.063 ppm	± 0.031 ppm
n-Propylbenzene	103-65-1	1.000 ppm	2.571	1.057 ppm	± 0.031 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	2.571	1.052 ppm	± 0.039 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.053 ppm	± 0.045 ppm
alpha-Methyl Styrene	98-83-9	1.000 ppm	2.571	1.081 ppm	± 0.045 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	2.571	1.062 ppm	± 0.048 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.069 ppm	± 0.048 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.086 ppm	± 0.050 ppm

Linde Spectra Environmental Gases

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9740



ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 5 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Benzyl Chloride	100-44-7	1.000 ppm	2.571	1.078 ppm	± 0.049 ppm
n-Decane	124-18-5	1.000 ppm	2.571	1.080 ppm	± 0.049 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.087 ppm	± 0.048 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	2.571	1.067 ppm	± 0.051 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	2.571	1.077 ppm	± 0.056 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.080 ppm	± 0.047 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	2.571	1.092 ppm	± 0.059 ppm
n-Undecane	1120-21-4	1.000 ppm	2.571	1.074 ppm	± 0.058 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	2.571	1.173 ppm	± 0.068 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.189 ppm	± 0.094 ppm
n-Dodecane	112-40-3	1.000 ppm	2.571	1.084 ppm	± 0.076 ppm

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ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 6 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	2.571	1.165 ppm	± 0.082 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	2.571	1.124 ppm	± 0.064 ppm
Nitrogen	7727-37-9	Balance		Balance	

20% Blend Tolerance on Acetonitrile, Acrolein, Isopropyl Alcohol, Vinyl Acetate, Tert-Butanol, 1-Butanol, 1,2,4-Trichlorobenzene, Naphthalene, 1,2,3-Trichlorobenzene, alpha-Methylstyrene, Benzyl Chloride, and Hexachloro-1,3-Butadiene.

25% Blend Tolerance on Methanol.

No Stability Guarantee on Methanol.

* Recertification @ 3/26/25. New exp date: 11/22/25
* Recertification process include.
Lou Lorenzetti

DATE: Mar-27-2024

ANALYST: Lou Lorenzetti

Linde Spectra Environmental Gases

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Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
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Analyte	Knoxville 40	VT 40 (AVE)	RDP
Propene	39.3	40	0.88
Dichlorodifluoromethane	33.4	34.3	1.33
Chlorodifluoromethane	36.4	37.1	0.95
1,2-Dichloro-1,1,2,2-tetrafluoroethane	33.9	35	1.60
Chloromethane	36.9	38	1.47
Butane	39.1	40.5	1.76
Vinyl chloride	35.8	36.7	1.24
Butadiene	36.2	36.4	0.28
Bromomethane	34.2	35.4	1.72
Chloroethane	36	37	1.37
2-Methylbutane	38	38.6	0.78
Vinyl bromide	34.5	35	0.72
Trichlorofluoromethane	33.2	34	1.19
Pentane	39	39.6	0.76
Ethanol	N/A		#VALUE!
Ethyl ether	37.5	38.6	1.45
Acrolein	43.9	47.3	3.73
1,1,2-Trichloro-1,2,2-trifluoroethane	34.1	34.6	0.73
1,1-Dichloroethene	34	34.5	0.73
Acetone	39.8	40.5	0.87
Isopropyl alcohol	44.9	46.1	1.32
Carbon disulfide	35.5	36.1	0.84
3-Chloro-1-propene	39.8	41	1.49
Acetonitrile	42.2	42.6	0.47
Methylene Chloride	38.2	38.5	0.39
2-Methyl-2-propanol	37.6	38.3	0.92
Methyl tert-butyl ether	35.5	36.4	1.25
trans-1,2-Dichloroethene	37.6	37.5	0.13
Acrylonitrile	40.1	41.1	1.23
Hexane	37.7	38.8	1.44
1,1-Dichloroethane	36.3	37	0.95
Vinyl acetate	45.1	48.8	3.94
2-Butanone (MEK)	37.6	38.1	0.66
Ethyl acetate	38.4	37.6	1.05
cis-1,2-Dichloroethene	33.5	35.1	2.33
Tetrahydrofuran	41.1	41.7	0.72
Chloroform	35.1	35.6	0.71
1,1,1-Trichloroethane	34.6	34.6	0.00
Cyclohexane	36.1	36.6	0.69
Carbon tetrachloride	34.6	37.7	4.29
Isooctane	37.7	38.1	0.53
Benzene	36.3	36.1	0.28
1,2-Dichloroethane	37.3	37.1	0.27

n-Heptane	40	40.3	0.37
n-Butanol	40.1	38.7	1.78
Trichloroethene	36.4	36.1	0.41
1,2-Dichloropropane	38.5	38.5	0.00
Methyl methacrylate	38.5	39.2	0.90
1,4-Dioxane	34.5	34.5	0.00
Dibromomethane	33.1	32.2	1.38
Dichlorobromomethane	36.1	36.7	0.82
cis-1,3-Dichloropropene	37.9	38.3	0.52
4-Methyl-2-pentanone (MIBK)	41.5	41.3	0.24
n-Octane	40.1	40.5	0.50
Toluene	35.8	35.8	0.00
trans-1,3-Dichloropropene	37.5	38.2	0.92
1,1,2-Trichloroethane	37.2	37	0.27
Tetrachloroethene	32.6	32.4	0.31
2-Hexanone	41.9	40.7	1.45
Chlorodibromomethane	34.4	35.6	1.71
Ethylene Dibromide	36	36.2	0.28
Chlorobenzene	34	34	0.00
Ethylbenzene	34.6	34.5	0.14
n-Nonane	38.4	38.5	0.13
m-Xylene & p-Xylene	68.7	68.6	0.07
o-Xylene	35.1	35.2	0.14
Styrene	36.1	35.8	0.42
Bromoform	31.3	35.5	6.29
Isopropylbenzene	33.3	33.6	0.45
1,1,2,2-Tetrachloroethane	36	36.2	0.28
N-Propylbenzene	32.8	33	0.30
1,2,3-Trichloropropane	35.7	35.8	0.14
n-Decane	37.7	38.1	0.53
4-Ethyltoluene	33.2	33.3	0.15
2-Chlorotoluene	34.5	34.6	0.14
1,3,5-Trimethylbenzene	33.3	33.9	0.89
Alpha Methyl Styrene	35.1	35.4	0.43
tert-Butylbenzene	32.4	32.9	0.77
1,2,4-Trimethylbenzene	33.3	33.7	0.60
sec-Butylbenzene	32	32.4	0.62
4-Isopropyltoluene	32	32.3	0.47
1,3-Dichlorobenzene	32.6	32.6	0.00
1,4-Dichlorobenzene	33.3	32.6	1.06
Benzyl chloride	35.3	35.7	0.56
Undecane	37.6	39.3	2.21
n-Butylbenzene	33.4	34.2	1.18
1,2-Dichlorobenzene	32.5	32.4	0.15

Dodecane	36.7	37.9	1.61
1,2,4-Trichlorobenzene	40.8	40.1	0.87
Hexachlorobutadiene	33.7	35.2	2.18
Naphthalene	45.7	44.5	1.33
1,2,3-Trichlorobenzene	39.9	39.1	1.01

* Knoxville 40ppb Standard test.

chrom WL 64392 @ 3/24/25

* TA Burlington 1st 40ppb Standard test.

chrom WL 64392 @ 3/24/25

- 2nd 40ppb Standard test.

chrom WL 64410 @ 3/26/25

* Knoxville Standard results

compared with the ^{VTP 3/26/25} ~~two~~ average

of the two results TA Burlington standard.

VTP 3/26/25

4700 Precision Diluter Standards Preparation Report

Date: 3/13/2025 1:48:34 PM

Dilution ID: C:\SmartLabs\Data\4700\Methods\200ppbv Primary
E_Q.4700.Dilution

Report ID: 200ppbTanKEOnly

Aborted: No

Prepared By: RDR

Target Final Psia: 36.7 psia

Software Version: 2.2.0.32

Standard Name: BurlingtonRecert_TanKE

Canister Volume: 15 Liter cc Canister ID: S4665

Comment: 200ppbTanKEOnlyRecertforBurlington

Channel Methods

Ch.	Channel Name	Init. Conc.	Target Conc.	Final Conc.	Conc. Level	Dilution Factor	Initial Psia	Target Psia	Final Psia	Final Psid	Duration hh:mm:ss
1	Nitrogen Diluent	100	100	N/A	%	1	0.42	12	11.99	11.57	00:23:47
2	Q extra 694339										
3	D Mega 736646										
4	N Extra 694341										
5	E Mega 767798	1000	200	200.24	ppb	5	11.99	19.25	19.25	7.27	00:19:08
6	Re-Dilute										
1	Nitrogen Diluent	100	100	N/A	%	1	19.25	36.7	36.7	17.45	00:30:38

Total Duration: 01:13:36

Channel Configuration and Standards Inventory

Ch.	Channel Name	Init. Conc.	Conc. Level	Cylinder Id	Received	Expiration	Notes
1	Nitrogen Diluent	100	%		1/29/2025 9:17:28 AM	1/29/2025 9:17:28 AM	
2	Q extra 694339	1000	ppb		5/27/2024 9:17:28 AM	5/10/2025 9:17:28 AM	
3	D Mega 736646	1000	ppb		12/2/2020 9:17:28 AM	11/22/2025 9:17:28 AM	
4	N Extra 694341	1000	ppb		8/1/2016 9:17:28 AM	5/10/2025 9:17:28 AM	
5	E Mega 767798	1000	ppb		12/31/2024 9:17:28 AM	11/22/2025 9:17:28 AM	
6	Re-Dilute	200	ppb		2/13/2025 9:17:28 AM	4/14/2025 9:17:28 AM	

4700 Precision Diluter Standards Preparation Report

Dilution ID: C:\SmartLabs\Data\4700\Methods\200ppbv Primary
E_Q.4700.Dilution
Aborted: No
Target Final Psia: 36.7 psia
Standard Name: BurlingtonRecert_TankE
Canister Volume: 15 Liter cc Canister ID: S4665
Comment: 200ppbTankEOnlyRecertforBurlington

Date: 3/13/2025 1:48:34 PM
Report ID: 200ppbTankEOnly
Prepared By: RDR
Software Version: 2.2.0.32

Channel Calibrations

Ch.	High Flow	Medium Flow	Slow Flow	Trickle Flow
1	44%	40%	36%	34%
2	37%	33%	29%	23%
3	34%	30%	27%	23%
4	36%	32%	28%	20%
5	40%	36%	32%	25%
6	36%	32%	29%	21%

Calibration Flow Cut Off

High Flow Cutoff:	1 psia
Medium Flow Cutoff:	0.5 psia
Slow Flow Cutoff:	0.1 psia



ISO/IEC 17025



Analysis Report

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

PAGE: 1 of 5
Report ID: 40020
Revision: 0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	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 16864: 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/IEC 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 ISO/IEC 17025 requirements.

This report 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

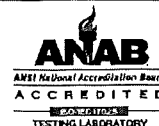
Linde North America, Inc.

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ISO/IEC 17025



Analysis Report

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

PAGE: 2 of 5
Report ID: 40020
Revision: 0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	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>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Propylene	115-07-1	1.000 ppm	2.571	1.043 ppm	± 0.024 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	2.571	1.058 ppm	± 0.025 ppm
Freon-12	75-71-8	1.000 ppm	2.571	1.034 ppm	± 0.025 ppm
Chloromethane	74-87-3	1.000 ppm	2.571	1.029 ppm	± 0.029 ppm
Freon-114	76-14-2	1.000 ppm	2.571	1.037 ppm	± 0.023 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.035 ppm	± 0.022 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.048 ppm	± 0.024 ppm
Methanol	67-56-1	1.000 ppm	2.571	1.211 ppm	± 0.027 ppm
n-Butane	106-97-8	1.000 ppm	2.571	1.035 ppm	± 0.022 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.033 ppm	± 0.022 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.034 ppm	± 0.023 ppm
Vinyl Bromide	593-60-2	1.000 ppm	2.571	1.048 ppm	± 0.023 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.046 ppm	± 0.036 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.153 ppm	± 0.029 ppm
Isopentane	78-78-4	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Acetone	67-64-1	1.000 ppm	2.571	1.047 ppm	± 0.025 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.037 ppm	± 0.027 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	2.571	1.162 ppm	± 0.043 ppm
n-Pentane	109-66-0	1.000 ppm	2.571	1.044 ppm	± 0.039 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.053 ppm	± 0.061 ppm
Ethyl Ether	60-29-7	1.000 ppm	2.571	1.045 ppm	± 0.040 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.054 ppm	± 0.023 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.065 ppm	± 0.023 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.046 ppm	± 0.031 ppm
Tert-Butanol	75-65-0	1.000 ppm	2.571	1.079 ppm	± 0.021 ppm
3-Chloropropene	107-05-1	1.000 ppm	2.571	1.047 ppm	± 0.020 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.047 ppm	± 0.023 ppm

Linde Spectra Environmental Gases

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ISO/IEC 17025



Analysis Report

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

PAGE: 3 of 5
Report ID: 40020
Revision: 0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.043 ppm	± 0.022 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.047 ppm	± 0.024 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	2.571	1.043 ppm	± 0.026 ppm
Vinyl Acetate	108-05-4	1.000 ppm	2.571	1.120 ppm	± 0.025 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	2.571	1.052 ppm	± 0.022 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Hexane	110-54-3	1.000 ppm	2.571	1.054 ppm	± 0.026 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.049 ppm	± 0.022 ppm
Ethyl Acetate	141-78-6	1.000 ppm	2.571	1.057 ppm	± 0.022 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.041 ppm	± 0.022 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.051 ppm	± 0.025 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.046 ppm	± 0.025 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.050 ppm	± 0.025 ppm
1-Butanol	71-36-3	1.000 ppm	2.571	1.083 ppm	± 0.024 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.017 ppm	± 0.023 ppm
Cyclohexane	110-82-7	1.000 ppm	2.571	1.039 ppm	± 0.024 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.042 ppm	± 0.023 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	2.571	1.038 ppm	± 0.023 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.043 ppm	± 0.024 ppm
Bromodichloromethane	75-27-4	1.000 ppm	2.571	1.046 ppm	± 0.024 ppm
1,4-Dioxane	123-91-1	1.000 ppm	2.571	1.049 ppm	± 0.024 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	2.571	1.044 ppm	± 0.024 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	2.571	1.045 ppm	± 0.024 ppm
Heptane	142-82-5	1.000 ppm	2.571	1.043 ppm	± 0.024 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	2.571	1.040 ppm	± 0.021 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	2.571	1.048 ppm	± 0.021 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	2.571	1.042 ppm	± 0.023 ppm

Linde Spectra Environmental Gases

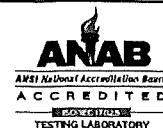
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ISO/IEC 17025



Analysis Report

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

PAGE: 4 of 5
Report ID: 40020
Revision: 0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.046 ppm	± 0.021 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.048 ppm	± 0.022 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	2.571	1.054 ppm	± 0.022 ppm
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.048 ppm	± 0.035 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.044 ppm	± 0.024 ppm
n-Octane	111-65-9	1.000 ppm	2.571	1.047 ppm	± 0.021 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.047 ppm	± 0.022 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.043 ppm	± 0.023 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.048 ppm	± 0.022 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.044 ppm	± 0.022 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.044 ppm	± 0.022 ppm
Bromoform	75-25-2	1.000 ppm	2.571	1.047 ppm	± 0.031 ppm
Styrene	100-42-5	1.000 ppm	2.571	1.046 ppm	± 0.026 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.044 ppm	± 0.024 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.045 ppm	± 0.024 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	2.571	1.051 ppm	± 0.030 ppm
Nonane	111-84-2	1.000 ppm	2.571	1.050 ppm	± 0.022 ppm
Cumene	98-82-8	1.000 ppm	2.571	1.054 ppm	± 0.022 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	2.571	1.050 ppm	± 0.027 ppm
n-Propylbenzene	103-65-1	1.000 ppm	2.571	1.050 ppm	± 0.024 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	2.571	1.051 ppm	± 0.025 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.037 ppm	± 0.026 ppm
alpha-Methylstyrene	98-83-9	1.000 ppm	2.571	1.052 ppm	± 0.032 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	2.571	1.053 ppm	± 0.026 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.045 ppm	± 0.026 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.046 ppm	± 0.030 ppm
Benzyl Chloride	100-44-7	1.000 ppm	2.571	1.055 ppm	± 0.031 ppm

Linde Spectra Environmental Gases

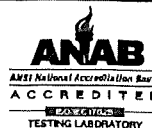
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Analysis Report

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

PAGE: 5 of 5
Report ID: 40020
Revision: 0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	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>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
n-Decane	124-18-5	1.000 ppm	2.571	1.050 ppm	± 0.031 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.053 ppm	± 0.040 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	2.571	1.046 ppm	± 0.025 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	2.571	1.049 ppm	± 0.027 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.046 ppm	± 0.043 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	2.571	1.048 ppm	± 0.032 ppm
n-Undecane	1120-21-4	1.000 ppm	2.571	1.042 ppm	± 0.024 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	2.571	1.094 ppm	± 0.11 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.105 ppm	± 0.15 ppm
n-Dodecane	112-40-3	1.000 ppm	2.571	1.048 ppm	± 0.040 ppm
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	2.571	1.101 ppm	± 0.14 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	2.571	1.083 ppm	± 0.058 ppm

Nitrogen 7727-37-9 Balance Balance

ANALYST: Lou Lorenzetti

DATE: Nov-22-2024

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Reagent

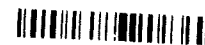
ATTO15CALs_00051



ISO/IEC 17025



Analysis Report



1871097

ID: ATTO15CALs_00050

Exp: 11/22/25 Prod: VTP

TO15 Calibration Source: T

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 1 of 6
Report ID: 39140
Revision: 0

VTP 3/27/24

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	~~Mar-27-2025~~ 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

VTP 3/26/25

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/IEC 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 ISO/IEC 17025 requirements.

This report 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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ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 2 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Propylene	115-07-1	1.000 ppm	2.571	1.066 ppm	± 0.050 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	2.571	1.065 ppm	± 0.044 ppm
Freon-12	75-71-8	1.000 ppm	2.571	1.048 ppm	± 0.033 ppm
Chloromethane	74-87-3	1.000 ppm	2.571	1.055 ppm	± 0.050 ppm
Freon-114	76-14-2	1.000 ppm	2.571	1.056 ppm	± 0.055 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.052 ppm	± 0.035 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.059 ppm	± 0.030 ppm
Methanol	67-56-1	1.000 ppm	2.571	1.213 ppm	± 0.034 ppm
n-Butane	106-97-8	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.051 ppm	± 0.033 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.046 ppm	± 0.028 ppm
Vinyl Bromide	593-60-2	1.000 ppm	2.571	1.058 ppm	± 0.028 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.101 ppm	± 0.036 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.171 ppm	± 0.038 ppm
Isopentane	78-78-4	1.000 ppm	2.571	1.060 ppm	± 0.038 ppm
Acetone	67-64-1	1.000 ppm	2.571	1.066 ppm	± 0.036 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.029 ppm	± 0.026 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	2.571	1.159 ppm	± 0.029 ppm
n-Pentane	109-66-0	1.000 ppm	2.571	1.057 ppm	± 0.026 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.070 ppm	± 0.034 ppm
Ethyl Ether	60-29-7	1.000 ppm	2.571	1.059 ppm	± 0.043 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.087 ppm	± 0.034 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.083 ppm	± 0.034 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.063 ppm	± 0.027 ppm
Tert-Butanol	75-65-0	1.000 ppm	2.571	1.084 ppm	± 0.027 ppm
3-Chloropropene	107-05-1	1.000 ppm	2.571	1.047 ppm	± 0.026 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.082 ppm	± 0.033 ppm

Linde Spectra Environmental Gases

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Analysis Report

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Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE:

3 of 6

Report ID:

39140

Revision:

0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	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>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.035 ppm	± 0.034 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.042 ppm	± 0.042 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	2.571	1.050 ppm	± 0.031 ppm
Vinyl Acetate	108-05-4	1.000 ppm	2.571	1.139 ppm	± 0.030 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	2.571	1.060 ppm	± 0.023 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.081 ppm	± 0.042 ppm
Hexane	110-54-3	1.000 ppm	2.571	1.057 ppm	± 0.041 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.034 ppm	± 0.026 ppm
Ethyl Acetate	141-78-6	1.000 ppm	2.571	1.028 ppm	± 0.026 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.058 ppm	± 0.025 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.037 ppm	± 0.032 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.040 ppm	± 0.034 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.042 ppm	± 0.040 ppm
1-Butanol	71-36-3	1.000 ppm	2.571	1.092 ppm	± 0.027 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.045 ppm	± 0.026 ppm
Cyclohexane	110-82-7	1.000 ppm	2.571	1.058 ppm	± 0.032 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.044 ppm	± 0.026 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	2.571	1.052 ppm	± 0.026 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.048 ppm	± 0.025 ppm
Bromodichloromethane	75-27-4	1.000 ppm	2.571	1.043 ppm	± 0.025 ppm
1,4-Dioxane	123-91-1	1.000 ppm	2.571	1.045 ppm	± 0.025 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	2.571	1.044 ppm	± 0.025 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	2.571	1.049 ppm	± 0.024 ppm
Heptane	142-82-5	1.000 ppm	2.571	1.048 ppm	± 0.024 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	2.571	1.056 ppm	± 0.028 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	2.571	1.044 ppm	± 0.028 ppm
Methylcyclohexane	108-87-2	1.000 ppm	2.571	1.042 ppm	± 0.028 ppm

Linde Spectra Environmental Gases

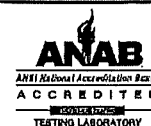
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ISO/IEC 17025



Analysis Report

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Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 4 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	2.571	1.053 ppm	± 0.026 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.052 ppm	± 0.023 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.049 ppm	± 0.023 ppm
n-Octane	111-65-9	1.000 ppm	2.571	1.056 ppm	± 0.027 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.039 ppm	± 0.020 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.051 ppm	± 0.023 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.053 ppm	± 0.022 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.048 ppm	± 0.021 ppm
Bromoform	75-25-2	1.000 ppm	2.571	1.051 ppm	± 0.051 ppm
Styrene	100-42-5	1.000 ppm	2.571	1.056 ppm	± 0.023 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	2.571	1.065 ppm	± 0.031 ppm
Nonane	111-84-2	1.000 ppm	2.571	1.052 ppm	± 0.021 ppm
Cumene	98-82-8	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	2.571	1.063 ppm	± 0.031 ppm
n-Propylbenzene	103-65-1	1.000 ppm	2.571	1.057 ppm	± 0.031 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	2.571	1.052 ppm	± 0.039 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.053 ppm	± 0.045 ppm
alpha-Methyl Styrene	98-83-9	1.000 ppm	2.571	1.081 ppm	± 0.045 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	2.571	1.062 ppm	± 0.048 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.069 ppm	± 0.048 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.086 ppm	± 0.050 ppm

Linde Spectra Environmental Gases

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Linde North America, Inc.

80 Industrial Drive, Alpha, NJ 08865
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ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 5 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Benzyl Chloride	100-44-7	1.000 ppm	2.571	1.078 ppm	± 0.049 ppm
n-Decane	124-18-5	1.000 ppm	2.571	1.080 ppm	± 0.049 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.087 ppm	± 0.048 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	2.571	1.067 ppm	± 0.051 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	2.571	1.077 ppm	± 0.056 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.080 ppm	± 0.047 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	2.571	1.092 ppm	± 0.059 ppm
n-Undecane	1120-21-4	1.000 ppm	2.571	1.074 ppm	± 0.058 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	2.571	1.173 ppm	± 0.068 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.189 ppm	± 0.094 ppm
n-Dodecane	112-40-3	1.000 ppm	2.571	1.084 ppm	± 0.076 ppm

Linde Spectra Environmental Gases

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ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 6 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder #:	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	* Mar-27-2025 11/22/25	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	2.571	1.165 ppm	± 0.082 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	2.571	1.124 ppm	± 0.064 ppm
Nitrogen	7727-37-9	Balance		Balance	

20% Blend Tolerance on Acetonitrile, Acrolein, Isopropyl Alcohol, Vinyl Acetate, Tert-Butanol, 1-Butanol, 1,2,4-Trichlorobenzene, Naphthalene, 1,2,3-Trichlorobenzene, alpha-Methylstyrene, Benzyl Chloride, and Hexachloro-1,3-Butadiene.

25% Blend Tolerance on Methanol.

No Stability Guarantee on Methanol.

* Recertification @ 3/26/25. New exp date: 11/22/25
* Recertification process include.
Lou Lorenzetti

DATE: Mar-27-2024

ANALYST: Lou Lorenzetti

Linde Spectra Environmental Gases

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80 Industrial Drive, Alpha, NJ 08865
Phone: +1.908.329-9700 FAX: +1.908.329-9740

Analyte	Knoxville 40	VT 40 (AVE)	RDP
Propene	39.3	40	0.88
Dichlorodifluoromethane	33.4	34.3	1.33
Chlorodifluoromethane	36.4	37.1	0.95
1,2-Dichloro-1,1,2,2-tetrafluoroethane	33.9	35	1.60
Chloromethane	36.9	38	1.47
Butane	39.1	40.5	1.76
Vinyl chloride	35.8	36.7	1.24
Butadiene	36.2	36.4	0.28
Bromomethane	34.2	35.4	1.72
Chloroethane	36	37	1.37
2-Methylbutane	38	38.6	0.78
Vinyl bromide	34.5	35	0.72
Trichlorofluoromethane	33.2	34	1.19
Pentane	39	39.6	0.76
Ethanol	N/A		#VALUE!
Ethyl ether	37.5	38.6	1.45
Acrolein	43.9	47.3	3.73
1,1,2-Trichloro-1,2,2-trifluoroethane	34.1	34.6	0.73
1,1-Dichloroethene	34	34.5	0.73
Acetone	39.8	40.5	0.87
Isopropyl alcohol	44.9	46.1	1.32
Carbon disulfide	35.5	36.1	0.84
3-Chloro-1-propene	39.8	41	1.49
Acetonitrile	42.2	42.6	0.47
Methylene Chloride	38.2	38.5	0.39
2-Methyl-2-propanol	37.6	38.3	0.92
Methyl tert-butyl ether	35.5	36.4	1.25
trans-1,2-Dichloroethene	37.6	37.5	0.13
Acrylonitrile	40.1	41.1	1.23
Hexane	37.7	38.8	1.44
1,1-Dichloroethane	36.3	37	0.95
Vinyl acetate	45.1	48.8	3.94
2-Butanone (MEK)	37.6	38.1	0.66
Ethyl acetate	38.4	37.6	1.05
cis-1,2-Dichloroethene	33.5	35.1	2.33
Tetrahydrofuran	41.1	41.7	0.72
Chloroform	35.1	35.6	0.71
1,1,1-Trichloroethane	34.6	34.6	0.00
Cyclohexane	36.1	36.6	0.69
Carbon tetrachloride	34.6	37.7	4.29
Isooctane	37.7	38.1	0.53
Benzene	36.3	36.1	0.28
1,2-Dichloroethane	37.3	37.1	0.27

n-Heptane	40	40.3	0.37
n-Butanol	40.1	38.7	1.78
Trichloroethene	36.4	36.1	0.41
1,2-Dichloropropane	38.5	38.5	0.00
Methyl methacrylate	38.5	39.2	0.90
1,4-Dioxane	34.5	34.5	0.00
Dibromomethane	33.1	32.2	1.38
Dichlorobromomethane	36.1	36.7	0.82
cis-1,3-Dichloropropene	37.9	38.3	0.52
4-Methyl-2-pentanone (MIBK)	41.5	41.3	0.24
n-Octane	40.1	40.5	0.50
Toluene	35.8	35.8	0.00
trans-1,3-Dichloropropene	37.5	38.2	0.92
1,1,2-Trichloroethane	37.2	37	0.27
Tetrachloroethene	32.6	32.4	0.31
2-Hexanone	41.9	40.7	1.45
Chlorodibromomethane	34.4	35.6	1.71
Ethylene Dibromide	36	36.2	0.28
Chlorobenzene	34	34	0.00
Ethylbenzene	34.6	34.5	0.14
n-Nonane	38.4	38.5	0.13
m-Xylene & p-Xylene	68.7	68.6	0.07
o-Xylene	35.1	35.2	0.14
Styrene	36.1	35.8	0.42
Bromoform	31.3	35.5	6.29
Isopropylbenzene	33.3	33.6	0.45
1,1,2,2-Tetrachloroethane	36	36.2	0.28
N-Propylbenzene	32.8	33	0.30
1,2,3-Trichloropropane	35.7	35.8	0.14
n-Decane	37.7	38.1	0.53
4-Ethyltoluene	33.2	33.3	0.15
2-Chlorotoluene	34.5	34.6	0.14
1,3,5-Trimethylbenzene	33.3	33.9	0.89
Alpha Methyl Styrene	35.1	35.4	0.43
tert-Butylbenzene	32.4	32.9	0.77
1,2,4-Trimethylbenzene	33.3	33.7	0.60
sec-Butylbenzene	32	32.4	0.62
4-Isopropyltoluene	32	32.3	0.47
1,3-Dichlorobenzene	32.6	32.6	0.00
1,4-Dichlorobenzene	33.3	32.6	1.06
Benzyl chloride	35.3	35.7	0.56
Undecane	37.6	39.3	2.21
n-Butylbenzene	33.4	34.2	1.18
1,2-Dichlorobenzene	32.5	32.4	0.15

Dodecane	36.7	37.9	1.61
1,2,4-Trichlorobenzene	40.8	40.1	0.87
Hexachlorobutadiene	33.7	35.2	2.18
Naphthalene	45.7	44.5	1.33
1,2,3-Trichlorobenzene	39.9	39.1	1.01

* Knoxville 40ppb Standard test.

Chrom WL 64392 @ 3/24/25

* TA Burlington 1st 40ppb Standard test.

Chrom WL 64392 @ 3/24/25

- 2nd 40ppb Standard test.

Chrom WL 64410 @ 3/26/25

* Knoxville Standard results

compared with the ^{VTP 3/26/25} ~~two~~ average

of the two results TA Burlington standard.

VTP 3/26/25

4700 Precision Diluter Standards Preparation Report

Date: 3/13/2025 1:48:34 PM

Dilution ID: C:\SmartLabs\Data\4700\Methods\200ppbv Primary
E_Q.4700.Dilution

Report ID: 200ppbTanKEOnly

Aborted: No

Prepared By: RDR

Target Final Psia: 36.7 psia

Software Version: 2.2.0.32

Standard Name: BurlingtonRecert_TanKE

Canister Volume: 15 Liter cc Canister ID: S4665

Comment: 200ppbTanKEOnlyRecertforBurlington

Channel Methods

Ch.	Channel Name	Init. Conc.	Target Conc.	Final Conc.	Conc. Level	Dilution Factor	Initial Psia	Target Psia	Final Psia	Final Psid	Duration hh:mm:ss
1	Nitrogen Diluent	100	100	N/A	%	1	0.42	12	11.99	11.57	00:23:47
2	Q extra 694339										
3	D Mega 736646										
4	N Extra 694341										
5	E Mega 767798	1000	200	200.24	ppb	5	11.99	19.25	19.25	7.27	00:19:08
6	Re-Dilute										
1	Nitrogen Diluent	100	100	N/A	%	1	19.25	36.7	36.7	17.45	00:30:38

Total Duration: 01:13:36

Channel Configuration and Standards Inventory

Ch.	Channel Name	Init. Conc.	Conc. Level	Cylinder Id	Received	Expiration	Notes
1	Nitrogen Diluent	100	%		1/29/2025 9:17:28 AM	1/29/2025 9:17:28 AM	
2	Q extra 694339	1000	ppb		5/27/2024 9:17:28 AM	5/10/2025 9:17:28 AM	
3	D Mega 736646	1000	ppb		12/2/2020 9:17:28 AM	11/22/2025 9:17:28 AM	
4	N Extra 694341	1000	ppb		8/1/2016 9:17:28 AM	5/10/2025 9:17:28 AM	
5	E Mega 767798	1000	ppb		12/31/2024 9:17:28 AM	11/22/2025 9:17:28 AM	
6	Re-Dilute	200	ppb		2/13/2025 9:17:28 AM	4/14/2025 9:17:28 AM	

4700 Precision Diluter Standards Preparation Report

Dilution ID: C:\SmartLabs\Data\4700\Methods\200ppbv Primary
E_Q.4700.Dilution
Aborted: No
Target Final Psia: 36.7 psia
Standard Name: BurlingtonRecert_TankE
Canister Volume: 15 Liter cc Canister ID: S4665
Comment: 200ppbTankEOnlyRecertforBurlington

Date: 3/13/2025 1:48:34 PM
Report ID: 200ppbTankEOnly
Prepared By: RDR
Software Version: 2.2.0.32

Channel Calibrations

Ch.	High Flow	Medium Flow	Slow Flow	Trickle Flow
1	44%	40%	36%	34%
2	37%	33%	29%	23%
3	34%	30%	27%	23%
4	36%	32%	28%	20%
5	40%	36%	32%	25%
6	36%	32%	29%	21%

Calibration Flow Cut Off

High Flow Cutoff:	1 psia
Medium Flow Cutoff:	0.5 psia
Slow Flow Cutoff:	0.1 psia



ISO/IEC 17025



Analysis Report

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

PAGE: 1 of 5
Report ID: 40020
Revision: 0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	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 16864: 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/IEC 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 ISO/IEC 17025 requirements.

This report 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

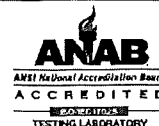
Linde North America, Inc.

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www.lindeus.com



ISO/IEC 17025



Analysis Report

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

PAGE: 2 of 5
Report ID: 40020
Revision: 0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	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>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Propylene	115-07-1	1.000 ppm	2.571	1.043 ppm	± 0.024 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	2.571	1.058 ppm	± 0.025 ppm
Freon-12	75-71-8	1.000 ppm	2.571	1.034 ppm	± 0.025 ppm
Chloromethane	74-87-3	1.000 ppm	2.571	1.029 ppm	± 0.029 ppm
Freon-114	76-14-2	1.000 ppm	2.571	1.037 ppm	± 0.023 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.035 ppm	± 0.022 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.048 ppm	± 0.024 ppm
Methanol	67-56-1	1.000 ppm	2.571	1.211 ppm	± 0.027 ppm
n-Butane	106-97-8	1.000 ppm	2.571	1.035 ppm	± 0.022 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.033 ppm	± 0.022 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.034 ppm	± 0.023 ppm
Vinyl Bromide	593-60-2	1.000 ppm	2.571	1.048 ppm	± 0.023 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.046 ppm	± 0.036 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.153 ppm	± 0.029 ppm
Isopentane	78-78-4	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Acetone	67-64-1	1.000 ppm	2.571	1.047 ppm	± 0.025 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.037 ppm	± 0.027 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	2.571	1.162 ppm	± 0.043 ppm
n-Pentane	109-66-0	1.000 ppm	2.571	1.044 ppm	± 0.039 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.053 ppm	± 0.061 ppm
Ethyl Ether	60-29-7	1.000 ppm	2.571	1.045 ppm	± 0.040 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.054 ppm	± 0.023 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.065 ppm	± 0.023 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.046 ppm	± 0.031 ppm
Tert-Butanol	75-65-0	1.000 ppm	2.571	1.079 ppm	± 0.021 ppm
3-Chloropropene	107-05-1	1.000 ppm	2.571	1.047 ppm	± 0.020 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.047 ppm	± 0.023 ppm

Linde Spectra Environmental Gases

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Linde North America, Inc.

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ISO/IEC 17025



Analysis Report

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

PAGE: 3 of 5
Report ID: 40020
Revision: 0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.043 ppm	± 0.022 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.047 ppm	± 0.024 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	2.571	1.043 ppm	± 0.026 ppm
Vinyl Acetate	108-05-4	1.000 ppm	2.571	1.120 ppm	± 0.025 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	2.571	1.052 ppm	± 0.022 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Hexane	110-54-3	1.000 ppm	2.571	1.054 ppm	± 0.026 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.049 ppm	± 0.022 ppm
Ethyl Acetate	141-78-6	1.000 ppm	2.571	1.057 ppm	± 0.022 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.041 ppm	± 0.022 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.051 ppm	± 0.025 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.046 ppm	± 0.025 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.050 ppm	± 0.025 ppm
1-Butanol	71-36-3	1.000 ppm	2.571	1.083 ppm	± 0.024 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.017 ppm	± 0.023 ppm
Cyclohexane	110-82-7	1.000 ppm	2.571	1.039 ppm	± 0.024 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.042 ppm	± 0.023 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	2.571	1.038 ppm	± 0.023 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.043 ppm	± 0.024 ppm
Bromodichloromethane	75-27-4	1.000 ppm	2.571	1.046 ppm	± 0.024 ppm
1,4-Dioxane	123-91-1	1.000 ppm	2.571	1.049 ppm	± 0.024 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	2.571	1.044 ppm	± 0.024 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	2.571	1.045 ppm	± 0.024 ppm
Heptane	142-82-5	1.000 ppm	2.571	1.043 ppm	± 0.024 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	2.571	1.040 ppm	± 0.021 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	2.571	1.048 ppm	± 0.021 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	2.571	1.042 ppm	± 0.023 ppm

Linde Spectra Environmental Gases

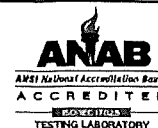
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ISO/IEC 17025



Analysis Report

SHIPPED TO:

Test America Inc
5815 Middlebrook Pike
Knoxville, TN 37921

PAGE:

4 of 5

Report ID:

40020

Revision:

0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.046 ppm	± 0.021 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.048 ppm	± 0.022 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	2.571	1.054 ppm	± 0.022 ppm
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.048 ppm	± 0.035 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.044 ppm	± 0.024 ppm
n-Octane	111-65-9	1.000 ppm	2.571	1.047 ppm	± 0.021 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.047 ppm	± 0.022 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.043 ppm	± 0.023 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.048 ppm	± 0.022 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.044 ppm	± 0.022 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.044 ppm	± 0.022 ppm
Bromoform	75-25-2	1.000 ppm	2.571	1.047 ppm	± 0.031 ppm
Styrene	100-42-5	1.000 ppm	2.571	1.046 ppm	± 0.026 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.044 ppm	± 0.024 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.045 ppm	± 0.024 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	2.571	1.051 ppm	± 0.030 ppm
Nonane	111-84-2	1.000 ppm	2.571	1.050 ppm	± 0.022 ppm
Cumene	98-82-8	1.000 ppm	2.571	1.054 ppm	± 0.022 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	2.571	1.050 ppm	± 0.027 ppm
n-Propylbenzene	103-65-1	1.000 ppm	2.571	1.050 ppm	± 0.024 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	2.571	1.051 ppm	± 0.025 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.037 ppm	± 0.026 ppm
alpha-Methylstyrene	98-83-9	1.000 ppm	2.571	1.052 ppm	± 0.032 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	2.571	1.053 ppm	± 0.026 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.045 ppm	± 0.026 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.046 ppm	± 0.030 ppm
Benzyl Chloride	100-44-7	1.000 ppm	2.571	1.055 ppm	± 0.031 ppm

Linde Spectra Environmental Gases

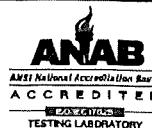
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Analysis Report

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Test America Inc
5815 Middlebrook Pike
Knoxville, TN 37921

PAGE:

5 of 5

Report ID:

40020

Revision:

0

Sales#:	117512983	Cylinder Size:	152 (8" X 47.5")
Production#:	1616319	Cylinder # :	CC-525846
Report Date:	Nov-22-2024	Cylinder Pressure:	2000 psig
P.O.#:	US1133933807	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Nov-22-2025	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>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
n-Decane	124-18-5	1.000 ppm	2.571	1.050 ppm	± 0.031 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.053 ppm	± 0.040 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	2.571	1.046 ppm	± 0.025 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	2.571	1.049 ppm	± 0.027 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.046 ppm	± 0.043 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	2.571	1.048 ppm	± 0.032 ppm
n-Undecane	1120-21-4	1.000 ppm	2.571	1.042 ppm	± 0.024 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	2.571	1.094 ppm	± 0.11 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.105 ppm	± 0.15 ppm
n-Dodecane	112-40-3	1.000 ppm	2.571	1.048 ppm	± 0.040 ppm
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	2.571	1.101 ppm	± 0.14 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	2.571	1.083 ppm	± 0.058 ppm

Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti

DATE: Nov-22-2024

Linde Spectra Environmental Gases

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South Burlington, VT 05403-6834



1937982

ID ATTO15CAL5_00051
Exp 11/22/25 Pipd VTP
TO15 Second Source Tank

PAGE: 1 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

11/22/25
VTP 3/26/25

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
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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PAGE: 2 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

11/22/25

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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30 Community Dr Ste 11
South Burlington, VT 05403-6834

PAGE: 3 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

11/22/25

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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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

Preliminary Report

Eurofins Burlington

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.I\20240628-60975.b\60975_003.D

Lims ID: LCS

Inj. Date: 28-Jun-2024 08:14:13

Worklist ID: 200-0060975-003

Instrument: CHAM.I

Method: TO15_TO3_Master_Method_AM1

Compound	Amount Added	Amount Recovered	%Rec	Limits - Summa_C
1 Propene	10.0	10.7	106.6	50-158
2 Dichlorodifluoromethane	10.0	9.63	96.3	61-142
3 Chlorodifluoromethane	10.0	10.2	102.0	60-147
4 1,2-Dichloro-1,1,2,2-tet	10.0	9.59	95.9	71-141
5 Chloromethane	10.0	10.5	105.1	56-141
7 Butane	10.0	11.2	112.0	53-151
6 Vinyl chloride	10.0	10.1	100.6	61-135
8 Butadiene	10.0	9.72	97.2	58-139
9 Bromomethane	10.0	9.39	93.9	72-124
10 Chloroethane	10.0	10.1	101.4	68-130
12 2-Methylbutane	10.0	10.3	103.2	56-150
13 Vinyl bromide	10.0	9.22	92.3	75-125
14 Trichlorofluoromethane	10.0	9.25	92.5	70-129
15 Pentane	10.0	10.7	106.9	59-152
16 Ethanol	15.0	16.8	112.0	50-150
18 Ethyl ether	10.0	10.2	101.7	71-143
19 Acrolein	10.0	10.4	103.8	50-150
20 1,1-Dichloroethene	10.0	9.21	92.1	68-120
21 1,1,2-Trichloro-1,2,2-t	10.0	9.39	93.9	70-121
22 Acetone	10.0	11.2	111.8	54-154
23 Isopropyl alcohol	10.0	10.9	109.3	53-142
24 Carbon disulfide	10.0	10.0	100.2	71-138
25 Acetonitrile	10.0	11.5	114.7	60-154
26 3-Chloro-1-propene	10.0	10.4	104.2	50-150
27 Methylene Chloride	10.0	10.6	106.4	59-137
28 2-Methyl-2-propanol	10.0	10.7	106.8	66-132
29 Acrylonitrile	10.0	11.0	109.7	65-140
30 trans-1,2-Dichloroethen	10.0	10.0	100.0	69-137
31 Methyl tert-butyl ether	10.0	10.2	102.3	70-127
32 Hexane	10.0	10.1	100.9	63-138
S 35 1,2-Dichloroethene, Tot	20.0	19.2	96.2	73-126
33 1,1-Dichloroethane	10.0	9.90	99.0	66-130
34 Vinyl acetate	10.0	11.3	112.9	59-149
36 2-Butanone (MEK)	10.0	10.1	100.8	72-124
37 cis-1,2-Dichloroethene	10.0	9.24	92.4	72-121
38 Ethyl acetate	10.0	10.0	99.9	70-131
40 Tetrahydrofuran	10.0	11.1	111.0	60-149
41 Chloroform	10.0	9.72	97.2	73-124
42 1,1,1-Trichloroethane	10.0	9.59	95.9	72-127
43 Cyclohexane	10.0	9.63	96.4	76-124
44 Carbon tetrachloride	10.0	9.47	94.7	71-133

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.I\20240628-60975.b\60975_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 Summa_C
45 Benzene	10.0	9.72	97.2	73-119
46 1,2-Dichloroethane	10.0	10.0	100.2	68-135
47 Isooctane	10.0	10.2	101.7	68-131
48 n-Heptane	10.0	10.4	104.1	60-142
50 n-Butanol	10.0	10.4	104.4	50-156
51 Trichloroethene	10.0	9.34	93.4	73-122
53 1,2-Dichloropropane	10.0	10.1	101.0	69-128
54 Methyl methacrylate	10.0	10.3	102.9	73-129
55 1,4-Dioxane	10.0	10.1	101.4	66-129
57 Dibromomethane	10.0	8.93	89.3	68-126
58 Dichlorobromomethane	10.0	9.86	98.6	75-127
59 cis-1,3-Dichloropropene	10.0	10.0	100.0	74-125
61 4-Methyl-2-pentanone (M	10.0	10.7	107.4	58-144
62 Toluene	10.0	9.89	98.9	75-122
64 n-Octane	10.0	10.6	105.7	62-144
66 trans-1,3-Dichloropropene	10.0	10.1	101.0	74-128
67 1,1,2-Trichloroethane	10.0	10.1	101.3	75-126
68 Tetrachloroethene	10.0	9.04	90.5	70-125
69 2-Hexanone	10.0	11.2	111.5	57-143
70 Chlorodibromomethane	10.0	9.88	98.8	73-125
71 Ethylene Dibromide	10.0	9.89	98.9	78-122
74 Chlorobenzene	10.0	9.67	96.7	76-119
75 Ethylbenzene	10.0	10.1	100.6	74-122
76 m-Xylene & p-Xylene	20.0	19.9	99.5	76-121
77 n-Nonane	10.0	10.6	106.1	70-131
S 80 Xylenes, Total	30.0	29.8	99.4	75-122
78 o-Xylene	10.0	9.91	99.1	73-123
79 Styrene	10.0	10.1	101.3	74-125
81 Bromoform	10.0	10.0	100.0	53-149
82 Isopropylbenzene	10.0	10.1	100.7	73-123
83 1,1,2,2-Tetrachloroethane	10.0	10.5	104.6	74-126
84 1,2,3-Trichloropropane	10.0	10.5	105.1	71-125
85 N-Propylbenzene	10.0	10.4	104.1	73-127
86 2-Chlorotoluene	10.0	10.2	101.5	74-126
87 4-Ethyltoluene	10.0	10.4	103.6	75-129
88 1,3,5-Trimethylbenzene	10.0	10.3	103.4	72-126
89 n-Decane	10.0	11.1	111.3	68-134
90 Alpha Methyl Styrene	10.0	10.4	103.7	71-132
91 tert-Butylbenzene	10.0	10.1	101.0	71-125
92 1,2,4-Trimethylbenzene	10.0	10.3	103.4	71-129
93 sec-Butylbenzene	10.0	10.4	104.3	70-128
94 1,3-Dichlorobenzene	10.0	10.0	100.5	69-131
95 4-Isopropyltoluene	10.0	10.4	104.0	68-130
96 1,4-Dichlorobenzene	10.0	10.1	100.6	67-132
97 Benzyl chloride	10.0	11.4	113.6	60-136
98 n-Butylbenzene	10.0	10.7	107.4	65-137

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.I\20240628-60975.b\60975_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 Summa_C
99 1,2-Dichlorobenzene	10.0	10.2	101.5	68-129
100 Undecane	10.0	11.1	111.5	62-136
101 Dodecane	10.0	11.4	114.4	50-150
102 1,2,4-Trichlorobenzene	10.0	9.83	98.3	50-150
103 Hexachlorobutadiene	10.0	9.18	91.8	58-130
104 Naphthalene	10.0	13.1	131.2	50-150
105 1,2,3-Trichlorobenzene	10.0	9.81	98.1	50-150

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-74115-A-3

200-74115-A-4

180-176160-A-1

200-74105-A-1

200-74105-A-2

200-74105-A-3

200-74105-A-4

200-74105-A-5

200-74124-A-1

200-74009-A-10

180-176297-A-1

180-176297-A-2

180-176297-A-3

180-176297-A-4

180-176297-A-5

Preliminary Report

Eurofins Burlington

LCSD, LCS Duplicate Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.\20240628-60975.b\60975_004.D

Lims ID: LCSD

Inj. Date: 28-Jun-2024 09:05:42

Worklist ID: 200-0060975-004

Instrument: CHAM.I

Method: TO15_TO3_Master_Method_AM1

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 Summa_C
1 Propene	10.0	9.96	99.7	50-158
2 Dichlorodifluoromethane	10.0	9.11	91.1	61-142
3 Chlorodifluoromethane	10.0	9.58	95.8	60-147
4 1,2-Dichloro-1,1,2,2-te	10.0	9.05	90.5	71-141
5 Chloromethane	10.0	9.88	98.8	56-141
7 Butane	10.0	10.3	102.6	53-151
6 Vinyl chloride	10.0	9.24	92.4	61-135
8 Butadiene	10.0	9.08	90.8	58-139
9 Bromomethane	10.0	8.90	89.0	72-124
10 Chloroethane	10.0	9.44	94.4	68-130
12 2-Methylbutane	10.0	9.70	97.0	56-150
13 Vinyl bromide	10.0	8.89	88.9	75-125
14 Trichlorofluoromethane	10.0	8.78	87.9	70-129
15 Pentane	10.0	9.67	96.7	59-152
16 Ethanol	15.0	15.6	103.7	50-150
18 Ethyl ether	10.0	9.21	92.2	71-143
19 Acrolein	10.0	9.43	94.3	50-160
20 1,1-Dichloroethene	10.0	8.41	84.2	68-120
21 1,1,2-Trichloro-1,2,2-t	10.0	8.52	85.2	70-121
22 Acetone	10.0	10.2	102.0	54-154
23 Isopropyl alcohol	10.0	9.37	93.7	53-142
24 Carbon disulfide	10.0	9.10	91.0	71-138
25 Acetonitrile	10.0	8.87	88.7	60-154
26 3-Chloro-1-propene	10.0	9.56	95.6	50-150
27 Methylene Chloride	10.0	9.60	96.0	59-137
28 2-Methyl-2-propanol	10.0	9.60	96.0	66-132
29 Acrylonitrile	10.0	9.67	96.7	65-140
30 trans-1,2-Dichloroethen	10.0	9.40	94.0	69-137
31 Methyl tert-butyl ether	10.0	9.51	95.1	70-127
32 Hexane	10.0	9.30	93.1	63-138
S 35 1,2-Dichloroethene, Tot	20.0	17.7	88.5	73-126
33 1,1-Dichloroethane	10.0	8.89	88.9	66-130
34 Vinyl acetate	10.0	10.1	101.0	59-149
36 2-Butanone (MEK)	10.0	9.05	90.5	72-124
37 cis-1,2-Dichloroethene	10.0	8.29	82.9	72-121
38 Ethyl acetate	10.0	9.33	93.3	70-131
40 Tetrahydrofuran	10.0	9.89	99.0	60-149
41 Chloroform	10.0	9.01	90.2	73-124
42 1,1,1-Trichloroethane	10.0	8.90	89.0	72-127
43 Cyclohexane	10.0	8.93	89.3	76-124
44 Carbon tetrachloride	10.0	8.84	88.4	71-133

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.1\20240628-60975.b\60975_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits: 1 Summa_C
45 Benzene	10.0	9.03	90.3	73-119
46 1,2-Dichloroethane	10.0	9.30	93.0	68-135
47 Isooctane	10.0	9.41	94.1	68-131
48 n-Heptane	10.0	9.64	96.4	60-142
50 n-Butanol	10.0	8.16	81.7	50-156
51 Trichloroethene	10.0	8.71	87.2	73-122
53 1,2-Dichloropropane	10.0	9.37	93.7	69-128
54 Methyl methacrylate	10.0	9.37	93.7	73-129
55 1,4-Dioxane	10.0	8.68	86.9	66-129
57 Dibromomethane	10.0	8.40	84.0	68-126
58 Dichlorobromomethane	10.0	9.17	91.7	75-127
59 cis-1,3-Dichloropropene	10.0	9.16	91.6	74-125
61 4-Methyl-2-pentanone (M	10.0	9.69	96.9	58-144
62 Toluene	10.0	9.23	92.3	75-122
64 n-Octane	10.0	9.71	97.1	62-144
66 trans-1,3-Dichloropropene	10.0	10.1	100.9	74-128
67 1,1,2-Trichloroethane	10.0	9.52	95.2	75-126
68 Tetrachloroethene	10.0	8.52	85.2	70-125
69 2-Hexanone	10.0	9.79	98.0	57-143
70 Chlorodibromomethane	10.0	9.12	91.3	73-125
71 Ethylene Dibromide	10.0	9.19	91.9	78-122
74 Chlorobenzene	10.0	9.05	90.5	76-119
75 Ethylbenzene	10.0	9.30	93.0	74-122
76 m-Xylene & p-Xylene	20.0	18.5	92.3	76-121
77 n-Nonane	10.0	9.82	98.2	70-131
S 80 Xylenes, Total	30.0	27.7	92.5	75-122
78 o-Xylene	10.0	9.28	92.8	73-123
79 Styrene	10.0	9.35	93.5	74-125
81 Bromoform	10.0	9.09	90.9	53-149
82 Isopropylbenzene	10.0	9.38	93.8	73-123
83 1,1,2,2-Tetrachloroethane	10.0	9.52	95.2	74-126
84 1,2,3-Trichloropropane	10.0	9.58	95.8	71-125
85 N-Propylbenzene	10.0	9.62	96.3	73-127
86 2-Chlorotoluene	10.0	9.38	93.8	74-126
87 4-Ethyltoluene	10.0	9.58	95.9	75-129
88 1,3,5-Trimethylbenzene	10.0	9.61	96.1	72-126
89 n-Decane	10.0	10.3	103.0	68-134
90 Alpha Methyl Styrene	10.0	9.26	92.6	71-132
91 tert-Butylbenzene	10.0	9.40	94.0	71-125
92 1,2,4-Trimethylbenzene	10.0	9.50	95.0	71-129
93 sec-Butylbenzene	10.0	9.67	96.7	70-128
94 1,3-Dichlorobenzene	10.0	9.02	90.2	69-131
95 4-Isopropyltoluene	10.0	9.39	93.9	68-130
96 1,4-Dichlorobenzene	10.0	9.10	91.1	67-132
97 Benzyl chloride	10.0	9.71	97.1	60-136
98 n-Butylbenzene	10.0	9.58	95.8	65-137

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAM.I\20240628-60975.b\60975_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 Summa_C
99 1,2-Dichlorobenzene	10.0	9.04	90.4	68-129
100 Undecane	10.0	9.86	98.7	62-136
101 Dodecane	10.0	9.23	92.4	50-150
102 1,2,4-Trichlorobenzene	10.0	8.16	81.6	50-150
103 Hexachlorobutadiene	10.0	8.35	83.6	58-130
104 Naphthalene	10.0	9.95	99.5	50-150
105 1,2,3-Trichlorobenzene	10.0	7.21	72.2	50-150

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-74115-A-3

200-74115-A-4

180-176160-A-1

200-74105-A-1

200-74105-A-2

200-74105-A-3

200-74105-A-4

200-74105-A-5

200-74124-A-1

200-74009-A-10

180-176297-A-1

180-176297-A-2

180-176297-A-3

180-176297-A-4

180-176297-A-5

Analyte	LCS %	LCSD %	RDP
Propene	106.6	99.7	3.34
Dichlorodifluoromethane	96.3	91.1	2.77
Chlorodifluoromethane	102	95.8	3.13
1,2-Dichloro-1,1,2,2-tetrafluoroethane	95.9	90.5	2.90
Chloromethane	105.1	98.8	3.09
Butane	112	102.6	4.38
Vinyl chloride	100.6	92.4	4.25
Butadiene	97.2	90.8	3.40
Bromomethane	93.9	89	2.68
Chloroethane	101.4	94.4	3.58
2-Methylbutane	103.2	97	3.10
Vinyl bromide	92.3	88.9	1.88
Trichlorofluoromethane	92.5	87.9	2.55
Pentane	106.9	96.7	5.01
Ethanol	112	103.7	3.85
Ethyl ether	101.7	92.2	4.90
Acrolein	103.8	94.3	4.80
1,1,2-Trichloro-1,2,2-trifluoroethane	93.9	85.5	4.68
1,1-Dichloroethene	92.1	84.2	4.48
Acetone	111.8	102	4.58
Isopropyl alcohol	109.3	93.7	7.68
Carbon disulfide	100.2	91	4.81
3-Chloro-1-propene	104.2	95.6	4.30
Acetonitrile	114.7	88.7	12.78
Methylene Chloride	106.4	96	5.14
2-Methyl-2-propanol	106.8	96	5.33
Methyl tert-butyl ether	102.3	95.1	3.65
trans-1,2-Dichloroethene	100	94	3.09
Acrylonitrile	102.3	96.7	2.81
Hexane	109.7	93.1	8.19
1,1-Dichloroethane	99	88.9	5.38
Vinyl acetate	112.9	101	5.56
2-Butanone (MEK)	100.8	90.5	5.38
Ethyl acetate	99.9	93.3	3.42
cis-1,2-Dichloroethene	92.4	82.9	5.42
Tetrahydrofuran	111	99	5.71
Chloroform	97.2	90.2	3.74
1,1,1-Trichloroethane	95.9	89	3.73
Cyclohexane	96.4	89.3	3.82
Carbon tetrachloride	94.7	88.4	3.44
Isooctane	101.7	94.1	3.88
Benzene	97.2	90.3	3.68
1,2-Dichloroethane	100.2	93	3.73

n-Heptane	104.1	96.4	3.84
n-Butanol	104.4	81.7	12.20
Trichloroethene	93.4	87.2	3.43
1,2-Dichloropropane	101	93.7	3.75
Methyl methacrylate	102.9	93.7	4.68
1,4-Dioxane	101.4	86.9	7.70
Dibromomethane	89.3	84	3.06
Dichlorobromomethane	98.6	91.7	3.63
cis-1,3-Dichloropropene	100	91.6	4.38
4-Methyl-2-pentanone (MIBK)	107.4	96.9	5.14
n-Octane	105.7	97.1	4.24
Toluene	98.9	92.3	3.45
trans-1,3-Dichloropropene	101	100.9	0.05
1,1,2-Trichloroethane	101.3	95.2	3.10
Tetrachloroethene	90.5	85.2	3.02
2-Hexanone	111.5	98	6.44
Chlorodibromomethane	98.8	91.3	3.95
Ethylene Dibromide	98.9	91.9	3.67
Chlorobenzene	96.7	90.5	3.31
Ethylbenzene	100.6	93	3.93
n-Nonane	106.1	98.2	3.87
m-Xylene & p-Xylene	99.5	92.3	3.75
o-Xylene	99.1	92.8	3.28
Styrene	101.3	93.5	4.00
Bromoform	100	90.9	4.77
Isopropylbenzene	100.7	93.8	3.55
1,1,2,2-Tetrachloroethane	104.6	95.2	4.70
N-Propylbenzene	104.1	96.3	3.89
1,2,3-Trichloropropane	105.1	95.8	4.63
n-Decane	111.3	103	3.87
4-Ethyltoluene	103.6	95.9	3.86
2-Chlorotoluene	101.5	93.8	3.94
1,3,5-Trimethylbenzene	103.4	96.1	3.66
Alpha Methyl Styrene	103.7	92.6	5.65
tert-Butylbenzene	101	94	3.59
1,2,4-Trimethylbenzene	103.4	95	4.23
sec-Butylbenzene	104.3	96.7	3.78
4-Isopropyltoluene	104.5	93.9	5.34
1,3-Dichlorobenzene	100.5	90.2	5.40
1,4-Dichlorobenzene	100.6	91.1	4.96
Benzyl chloride	113.6	97.1	7.83
Undecane	111.5	98.7	6.09
n-Butylbenzene	107.4	95.8	5.71
1,2-Dichlorobenzene	101.5	90.4	5.78

Dodecane	114.4	92.4	10.64
1,2,4-Trichlorobenzene	98.3	81.6	9.28
Hexachlorobutadiene	91.8	83.6	4.68
Naphthalene	131.2	99.5	13.74
1,2,3-Trichlorobenzene	98.1	72.2	15.21

Reagent

ATTO15XISs_00003

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#:	113956382	Cylinder Size:	152 (8" X 47.5")
Production#:	1375442	Cylinder #:	CC-143437
Certification Date:	May-04-2016	Cylinder Pressure:	2000 psig
P.O.#:	2644671	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:	May-04-2017	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

* Exp: 6/13/25

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Bromochloromethane	74-97-5	100 ppb	108 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	108 ppb
Nitrogen	7727-37-9	Balance	Balance



1504807

ID ATTO15XISs_00003

Exp.06/13/25 Pipd 1PB Opn.05/01/16

Internal Standard for Ins

* Recertify at 5/1/2021 by VTP

ANALYST:

Justin Kutz
Justin Kutz

DATE: May-04-2016

Linde Gas North America LLC

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

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.: 200-77589-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 64586-08.D
Lab ID: LCS 200-214887/8 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Trichloroethene	10.0	11.6	116	73-122	
Tetrachloroethene	10.0	10.6	106	70-125	

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Matrix: Air Level: Low Lab File ID: 64608-04.D
Lab ID: LCS 200-214931/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Trichloroethene	10.0	11.5	115	73-122	
Tetrachloroethene	10.0	11.7	117	70-125	

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Lab File ID: 64586-07.D Lab Sample ID: MB 200-214887/7
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 04/07/2025 12:44
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 200-214887/8	64586-08.D	04/07/2025 13:42
LL2-North Gym - 04-02-25	200-77589-1	64586-13.D	04/07/2025 18:38
LL2-South Gym - 04-02-25	200-77589-2	64586-14.D	04/07/2025 19:37
LL2-Hallway - 04-02-25	200-77589-3	64586-19.D	04/08/2025 00:29

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Lab File ID: 64608-06.D Lab Sample ID: MB 200-214931/6
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 04/08/2025 12:18
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 200-214931/4	64608-04.D	04/08/2025 10:20
LL2-Pump Room - 04-02-25	200-77589-4	64608-09.D	04/08/2025 15:15
Driveway - 04-02-25	200-77589-5	64608-14.D	04/08/2025 20:08

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Lab File ID: 64366-01.D BFB Injection Date: 03/20/2025
Instrument ID: CHX.i BFB Injection Time: 14:06
Analysis Batch No.: 214438

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.4
75	30.0 - 66.0% of mass 95	45.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 120.0% of mass 95	83.5
175	4.0 - 9.0 % of mass 174	6.2 (7.4) 1
176	93.0 - 101.0% of mass 174	82.0 (98.2) 1
177	5.0 - 9.0% of mass 176	5.2 (6.4) 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 200-214438/6	64366-06.D	03/20/2025	18:59
	IC 200-214438/7	64366-07.D	03/20/2025	19:57
	IC 200-214438/8	64366-08.D	03/20/2025	20:55
	ICIS 200-214438/9	64366-09.D	03/20/2025	21:54
	IC 200-214438/10	64366-10.D	03/20/2025	22:52
	IC 200-214438/13	64366-13.D	03/21/2025	1:48
	IC 200-214438/14	64366-14.D	03/21/2025	2:47
	IC 200-214438/19	64366-19.D	03/21/2025	9:07
	ICV 200-214438/20	64366-20.D	03/21/2025	10:05

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Lab File ID: 64586-01.D BFB Injection Date: 04/07/2025
Instrument ID: CHX.i BFB Injection Time: 06:49
Analysis Batch No.: 214887

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	46.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 120.0% of mass 95	92.4
175	4.0 - 9.0 % of mass 174	6.6 (7.2) 1
176	93.0 - 101.0% of mass 174	90.1 (97.5) 1
177	5.0 - 9.0% of mass 176	5.9 (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 200-214887/3	64586-03.D	04/07/2025	8:48
	MB 200-214887/7	64586-07.D	04/07/2025	12:44
	LCS 200-214887/8	64586-08.D	04/07/2025	13:42
LL2-North Gym - 04-02-25	200-77589-1	64586-13.D	04/07/2025	18:38
LL2-South Gym - 04-02-25	200-77589-2	64586-14.D	04/07/2025	19:37
LL2-Hallway - 04-02-25	200-77589-3	64586-19.D	04/08/2025	0:29

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Lab File ID: 64608-01.D BFB Injection Date: 04/08/2025
Instrument ID: CHX.i BFB Injection Time: 07:23
Analysis Batch No.: 214931

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.3
75	30.0 - 66.0% of mass 95	46.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.0) 1
174	50.0 - 120.0% of mass 95	89.9
175	4.0 - 9.0 % of mass 174	6.8 (7.5) 1
176	93.0 - 101.0% of mass 174	86.4 (96.1) 1
177	5.0 - 9.0% of mass 176	5.6 (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 200-214931/3	64608-03.D	04/08/2025	9:21
	LCS 200-214931/4	64608-04.D	04/08/2025	10:20
	MB 200-214931/6	64608-06.D	04/08/2025	12:18
LL2-Pump Room - 04-02-25	200-77589-4	64608-09.D	04/08/2025	15:15
Driveway - 04-02-25	200-77589-5	64608-14.D	04/08/2025	20:08

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
 SDG No.: _____
 Sample No.: ICIS 200-214438/9 Date Analyzed: 03/20/2025 21:54
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 64366-09.D Heated Purge: (Y/N) N
 Calibration ID: 54855

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		65117	11.36	307535	13.19	233033	18.63
UPPER LIMIT		91164	11.69	430549	13.52	326246	18.96
LOWER LIMIT		39070	11.03	184521	12.86	139820	18.30
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-214438/20		71950	11.36	332138	13.19	242208	18.63

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.: 200-77589-1
 SDG No.: _____
 Sample No.: CCVIS 200-214887/3 Date Analyzed: 04/07/2025 08:48
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 64586-03.D Heated Purge: (Y/N) N
 Calibration ID: 54855

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		57738	11.35	267390	13.18	236043	18.63
UPPER LIMIT		80833	11.68	374346	13.51	330460	18.96
LOWER LIMIT		34643	11.02	160434	12.85	141626	18.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-214887/7		61043	11.35	291220	13.19	262538	18.63
LCS 200-214887/8		55839	11.36	258450	13.19	210781	18.63
200-77589-1	LL2-North Gym - 04-02-25	56775	11.36	272445	13.19	253917	18.63
200-77589-2	LL2-South Gym - 04-02-25	56229	11.36	266634	13.19	245617	18.63
200-77589-3	LL2-Hallway - 04-02-25	52566	11.35	247213	13.18	225483	18.63

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.: 200-77589-1
 SDG No.: _____
 Sample No.: CCVIS 200-214931/3 Date Analyzed: 04/08/2025 09:21
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 64608-03.D Heated Purge: (Y/N) N
 Calibration ID: 54855

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		51582	11.36	249136	13.19	230876	18.63
UPPER LIMIT		72215	11.69	348790	13.52	323226	18.96
LOWER LIMIT		30949	11.03	149482	12.86	138526	18.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-214931/4		54568	11.36	260675	13.19	188470	18.63
MB 200-214931/6		53652	11.35	256199	13.18	235350	18.63
200-77589-4	LL2-Pump Room - 04-02-25	53345	11.35	255446	13.18	237159	18.63
200-77589-5	Driveway - 04-02-25	53023	11.35	251432	13.18	228774	18.63

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.: 200-77589-1
SDG No.: _____
Client Sample ID: LL2-North Gym - 04-02-25 Lab Sample ID: 200-77589-1
Matrix: Air Lab File ID: 64586-13.D
Analysis Method: TO-15 Date Collected: 04/02/2025 15:58
Sample wt/vol: 200 (mL) Date Analyzed: 04/07/2025 18:38
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.: 214887 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.67		0.037	0.029
127-18-4	Tetrachloroethene	165.83	0.85		0.20	0.036

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: LL2-North Gym - 04-02-25 Lab Sample ID: 200-77589-1
Matrix: Air Lab File ID: 64586-13.D
Analysis Method: TO-15 Date Collected: 04/02/2025 15:58
Sample wt/vol: 200 (mL) Date Analyzed: 04/07/2025 18:38
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.: 214887 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.6		0.20	0.16
127-18-4	Tetrachloroethene	165.83	5.8		1.4	0.24

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-13.D
 Lims ID: 200-77589-A-1
 Client ID: LL2-North Gym-04-02-25
 Sample Type: Client
 Inject. Date: 07-Apr-2025 18:38:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064586-013
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 08-Apr-2025 10:05:26 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1720

First Level Reviewer: YWL8

Date: 08-Apr-2025 10:05:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.358	11.353	0.005	81	56775	10.0	
* 50 1,4-Difluorobenzene	114	13.188	13.183	0.005	93	272445	10.0	
52 Trichloroethene	95	13.616	13.621	0.000	96	6358	0.6686	
69 Tetrachloroethene	166	16.954	16.954	0.000	98	16383	0.8525	
* 73 Chlorobenzene-d5	117	18.634	18.629	0.005	84	253917	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\20250407-64586.b\64586-13.D

Injection Date: 07-Apr-2025 18:38:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-77589-A-1

Lab Sample ID: 200-77589-1

Worklist Smp#: 13

Client ID: LL2-North Gym-04-02-25

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

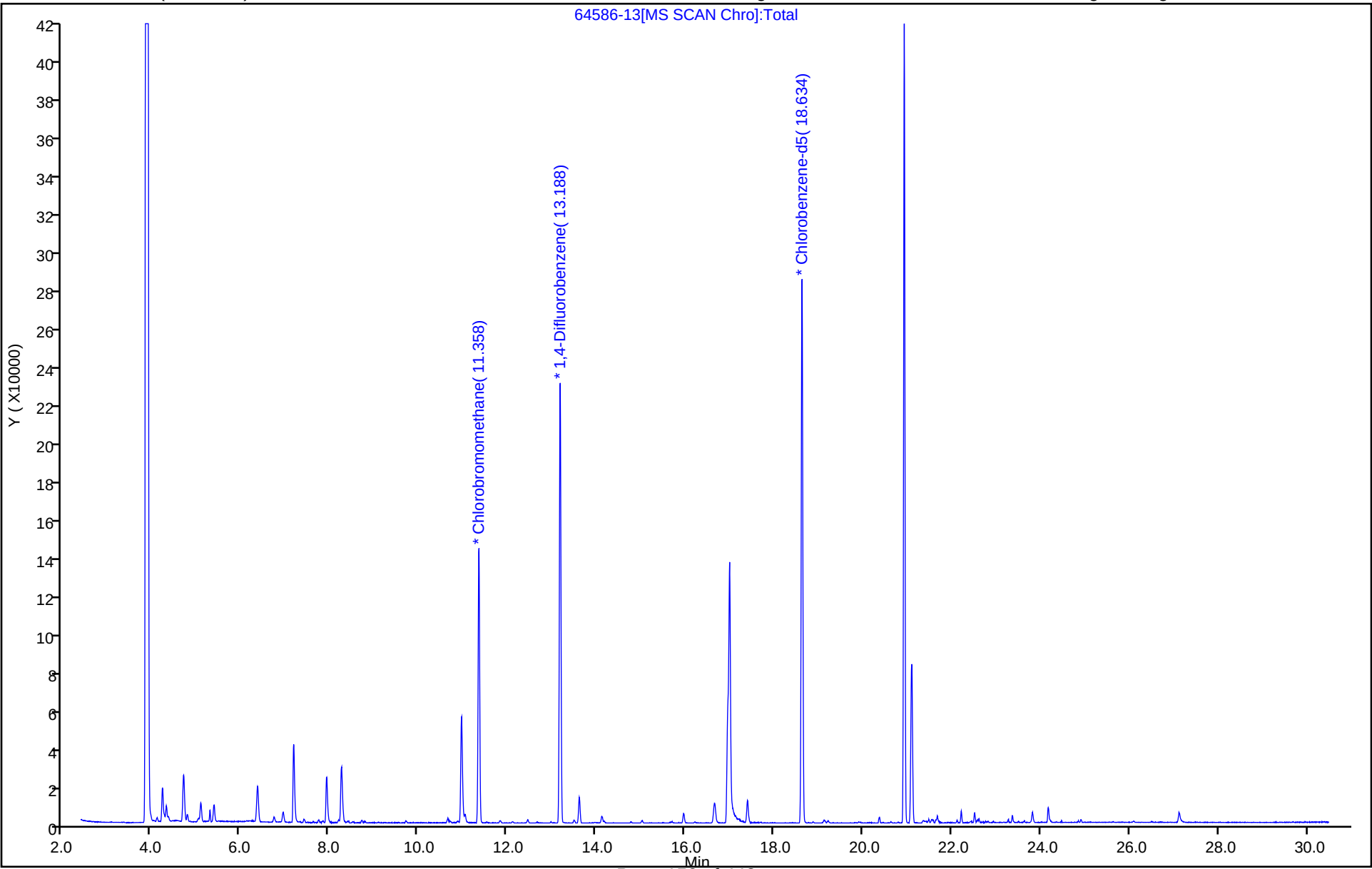
ALS Bottle#: 12

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\20250407-64586.b\64586-13.D

Injection Date: 07-Apr-2025 18:38:30

Instrument ID: CHX.i

Lims ID: 200-77589-A-1

Lab Sample ID: 200-77589-1

Client ID: LL2-North Gym-04-02-25

Operator ID: wrd

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

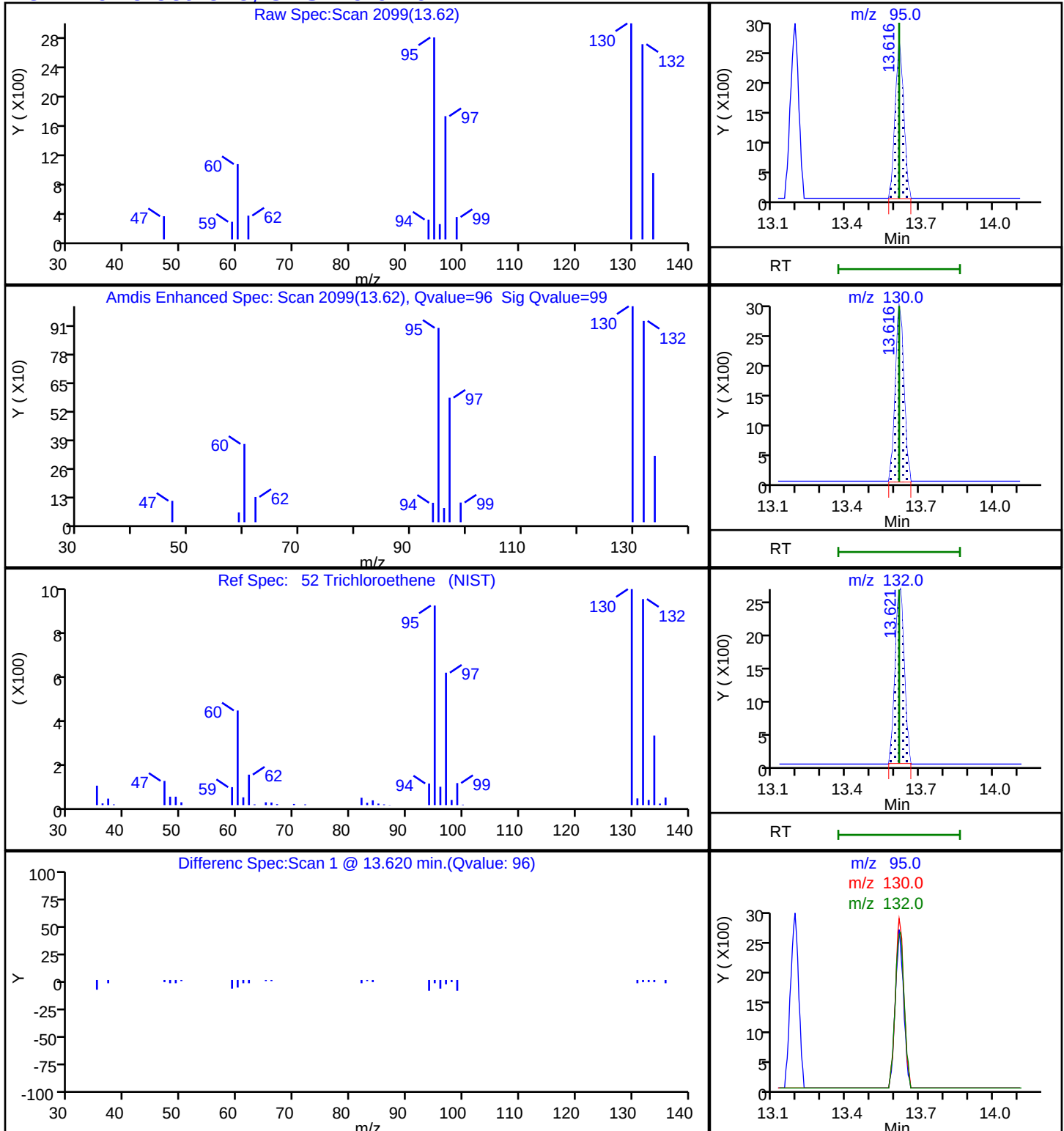
Dil. Factor: 1.0000

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\20250407-64586.b\64586-13.D

Injection Date: 07-Apr-2025 18:38:30

Instrument ID: CHX.i

Lims ID: 200-77589-A-1

Lab Sample ID: 200-77589-1

Client ID: LL2-North Gym-04-02-25

Operator ID: wrd

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 200.000 mL

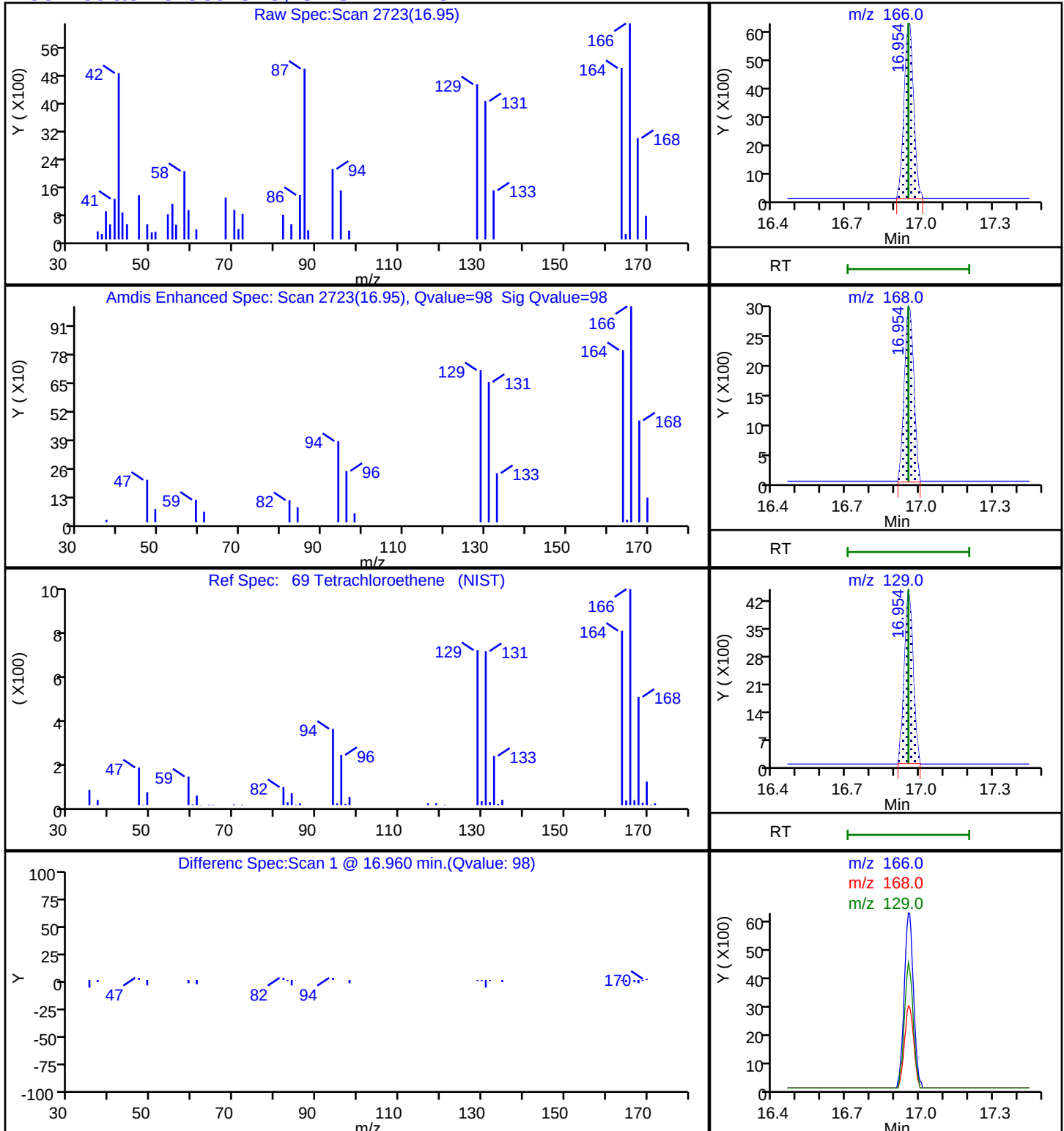
Dil. Factor: 1.0000

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.: 200-77589-1
SDG No.: _____
Client Sample ID: LL2-South Gym - 04-02-25 Lab Sample ID: 200-77589-2
Matrix: Air Lab File ID: 64586-14.D
Analysis Method: TO-15 Date Collected: 04/02/2025 16:02
Sample wt/vol: 200 (mL) Date Analyzed: 04/07/2025 19:37
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.: 214887 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.029
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.036

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: LL2-South Gym - 04-02-25 Lab Sample ID: 200-77589-2
Matrix: Air Lab File ID: 64586-14.D
Analysis Method: TO-15 Date Collected: 04/02/2025 16:02
Sample wt/vol: 200 (mL) Date Analyzed: 04/07/2025 19:37
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.: 214887 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.16
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.24

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-14.D
 Lims ID: 200-77589-A-2
 Client ID: LL2-South Gym-04-02-25
 Sample Type: Client
 Inject. Date: 07-Apr-2025 19:37:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064586-014
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 08-Apr-2025 10:05:26 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1720

First Level Reviewer: YWL8

Date: 08-Apr-2025 10:06:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.358	11.353	0.005	83	56229	10.0	
* 50 1,4-Difluorobenzene	114	13.188	13.183	0.005	93	266634	10.0	
52 Trichloroethene	95		13.616				ND	
69 Tetrachloroethene	166	16.960	16.954	0.006	74	363	0.0195	
* 73 Chlorobenzene-d5	117	18.634	18.629	0.005	84	245617	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\20250407-64586.b\64586-14.D

Injection Date: 07-Apr-2025 19:37:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-77589-A-2

Lab Sample ID: 200-77589-2

Worklist Smp#: 14

Client ID: LL2-South Gym-04-02-25

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

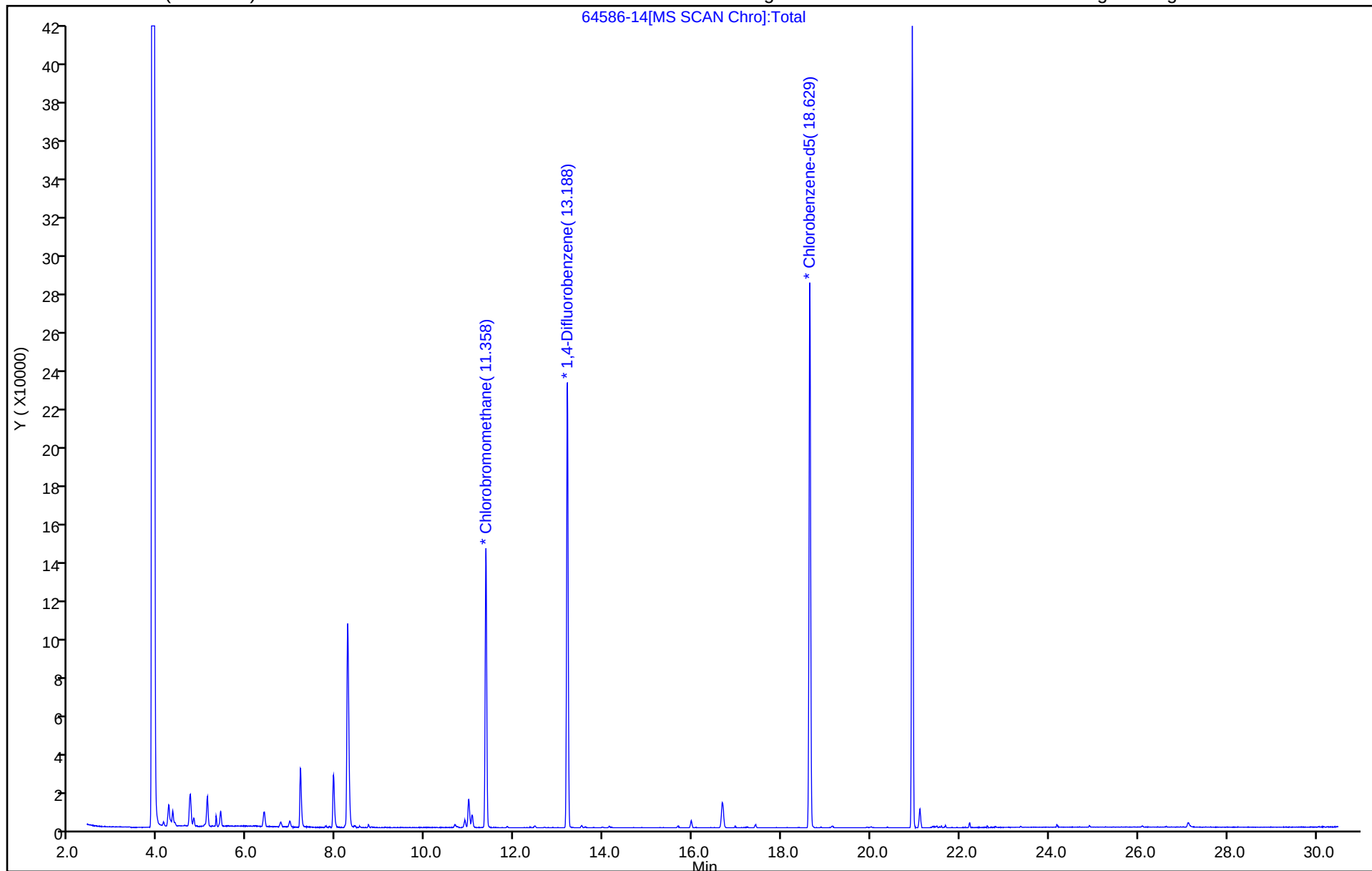
ALS Bottle#: 13

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



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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: LL2-Hallway - 04-02-25 Lab Sample ID: 200-77589-3
Matrix: Air Lab File ID: 64586-19.D
Analysis Method: TO-15 Date Collected: 04/02/2025 16:00
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 00:29
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.: 214887 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.29		0.037	0.029
127-18-4	Tetrachloroethene	165.83	0.65		0.20	0.036

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: LL2-Hallway - 04-02-25 Lab Sample ID: 200-77589-3
Matrix: Air Lab File ID: 64586-19.D
Analysis Method: TO-15 Date Collected: 04/02/2025 16:00
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 00:29
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.: 214887 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.5		0.20	0.16
127-18-4	Tetrachloroethene	165.83	4.4		1.4	0.24

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-19.D
 Lims ID: 200-77589-A-3
 Client ID: LL2-Hallway-04-02-25
 Sample Type: Client
 Inject. Date: 08-Apr-2025 00:29:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064586-019
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 08-Apr-2025 13:14:23 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1720

First Level Reviewer: YWL8

Date: 08-Apr-2025 13:14:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.353	11.353	0.000	83	52566	10.0	
* 50 1,4-Difluorobenzene	114	13.182	13.183	-0.001	93	247213	10.0	
52 Trichloroethene	95	13.627	13.621	0.010	93	2479	0.2873	
69 Tetrachloroethene	166	16.954	16.959	0.000	96	11040	0.6469	
* 73 Chlorobenzene-d5	117	18.634	18.629	0.005	84	225483	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\20250407-64586.b\64586-19.D

Injection Date: 08-Apr-2025 00:29:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-77589-A-3

Lab Sample ID: 200-77589-3

Worklist Smp#: 19

Client ID: LL2-Hallway-04-02-25

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

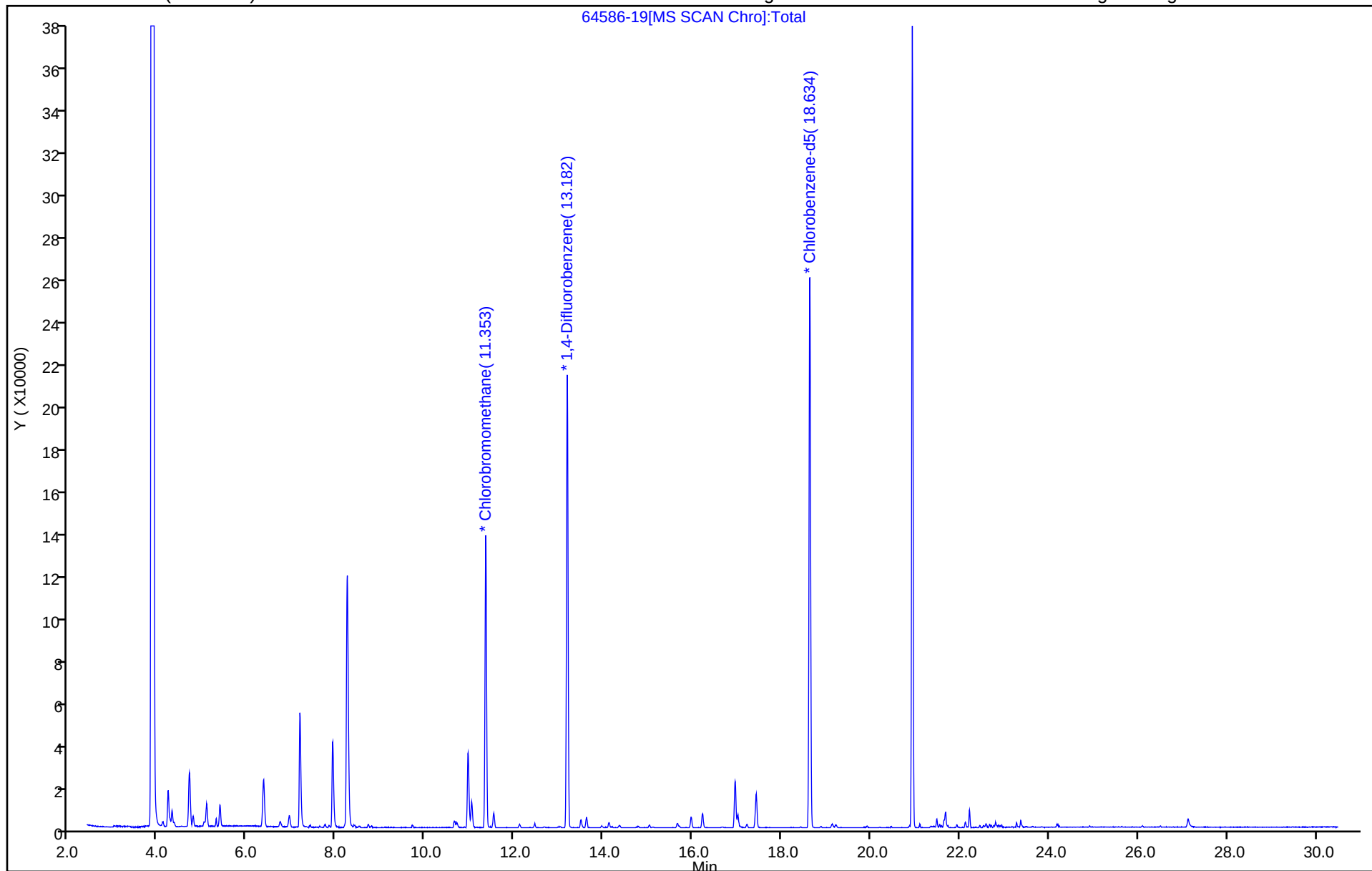
ALS Bottle#: 18

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\20250407-64586.b\64586-19.D

Injection Date: 08-Apr-2025 00:29:30

Instrument ID: CHX.i

Lims ID: 200-77589-A-3

Lab Sample ID: 200-77589-3

Client ID: LL2-Hallway-04-02-25

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

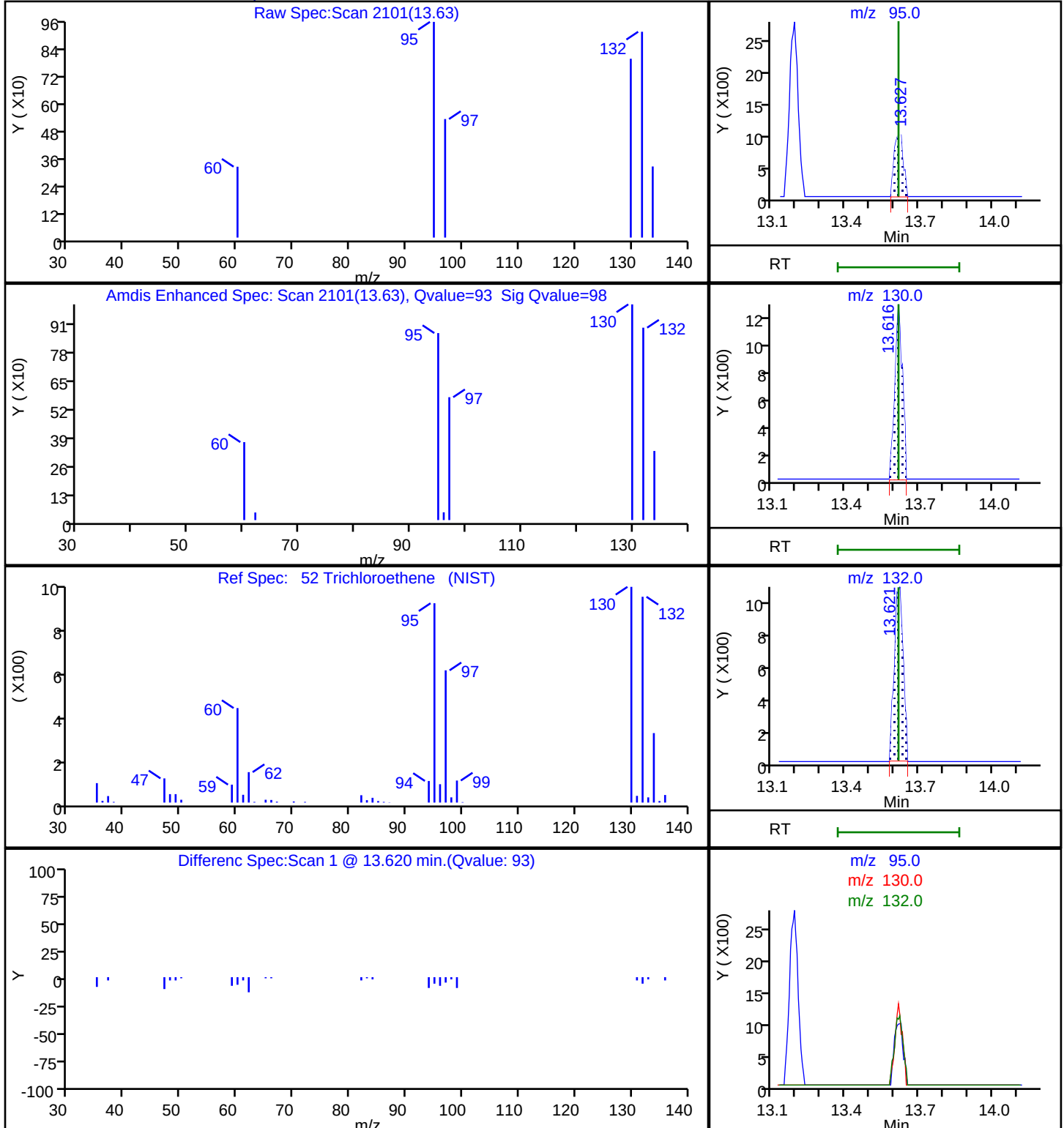
Dil. Factor: 1.0000

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\20250407-64586.b\64586-19.D

Injection Date: 08-Apr-2025 00:29:30

Instrument ID: CHX.i

Lims ID: 200-77589-A-3

Lab Sample ID: 200-77589-3

Client ID: LL2-Hallway-04-02-25

Operator ID: wrd

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 200.000 mL

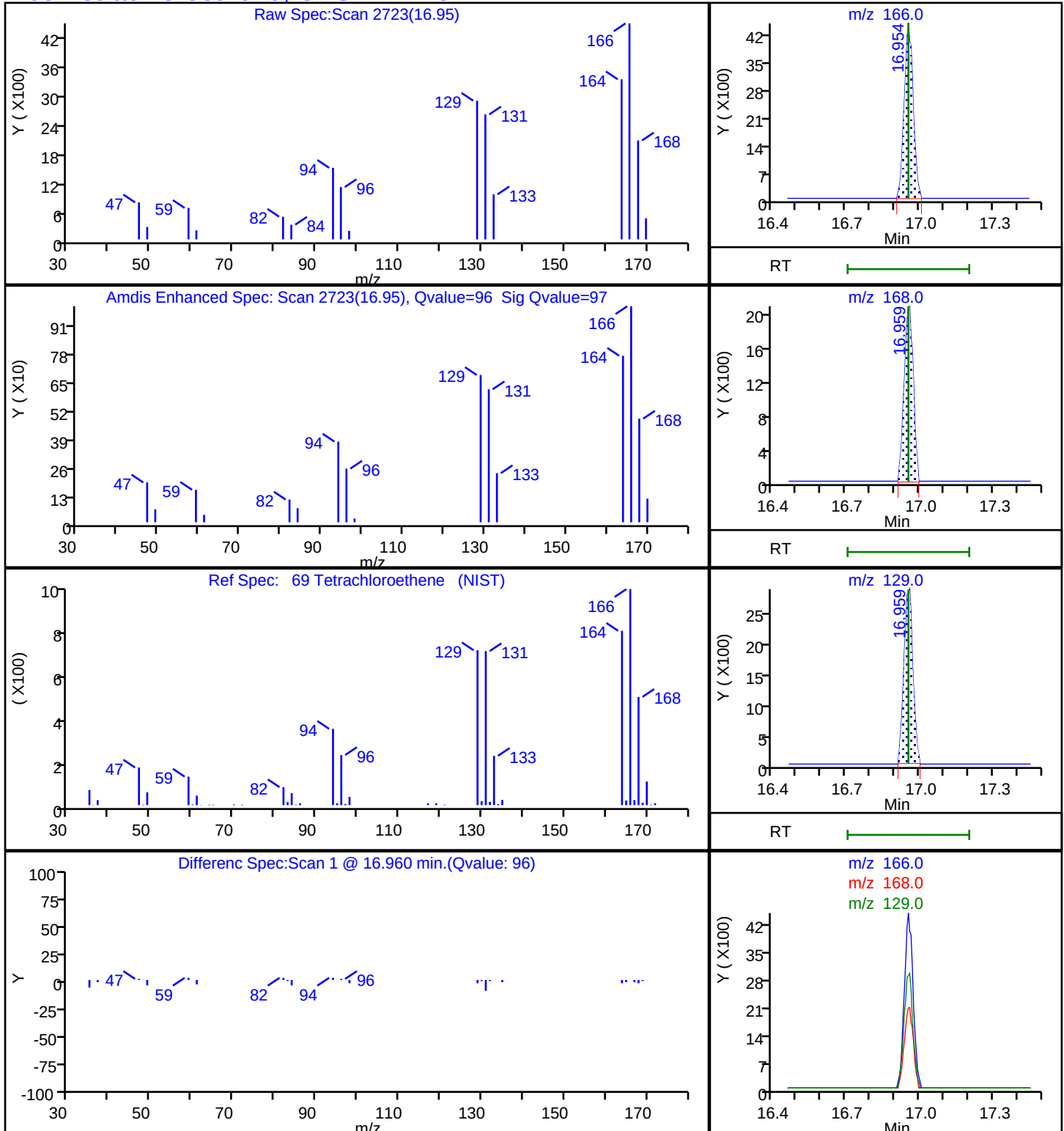
Dil. Factor: 1.0000

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.: 200-77589-1
SDG No.: _____
Client Sample ID: LL2-Pump Room - 04-02-25 Lab Sample ID: 200-77589-4
Matrix: Air Lab File ID: 64608-09.D
Analysis Method: TO-15 Date Collected: 04/02/2025 16:05
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 15:15
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.: 214931 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	3.6		0.037	0.029
127-18-4	Tetrachloroethene	165.83	9.0		0.20	0.036

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: LL2-Pump Room - 04-02-25 Lab Sample ID: 200-77589-4
Matrix: Air Lab File ID: 64608-09.D
Analysis Method: TO-15 Date Collected: 04/02/2025 16:05
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 15:15
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.: 214931 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	19		0.20	0.16
127-18-4	Tetrachloroethene	165.83	61		1.4	0.24

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-09.D
 Lims ID: 200-77589-A-4
 Client ID: LL2-Pump Room-04-02-25
 Sample Type: Client
 Inject. Date: 08-Apr-2025 15:15:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064608-009
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 09-Apr-2025 11:54:21 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1708

First Level Reviewer: YWL8

Date: 09-Apr-2025 11:54:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.353	11.358	-0.005	83	53345	10.0	
* 50 1,4-Difluorobenzene	114	13.183	13.188	-0.005	93	255446	10.0	
52 Trichloroethene	95	13.616	13.616	0.000	98	32103	3.60	
69 Tetrachloroethene	166	16.954	16.949	0.000	97	160903	8.96	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	237159	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\20250408-64608.b\64608-09.D

Injection Date: 08-Apr-2025 15:15:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-77589-A-4

Lab Sample ID: 200-77589-4

Worklist Smp#: 9

Client ID: LL2-Pump Room-04-02-25

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

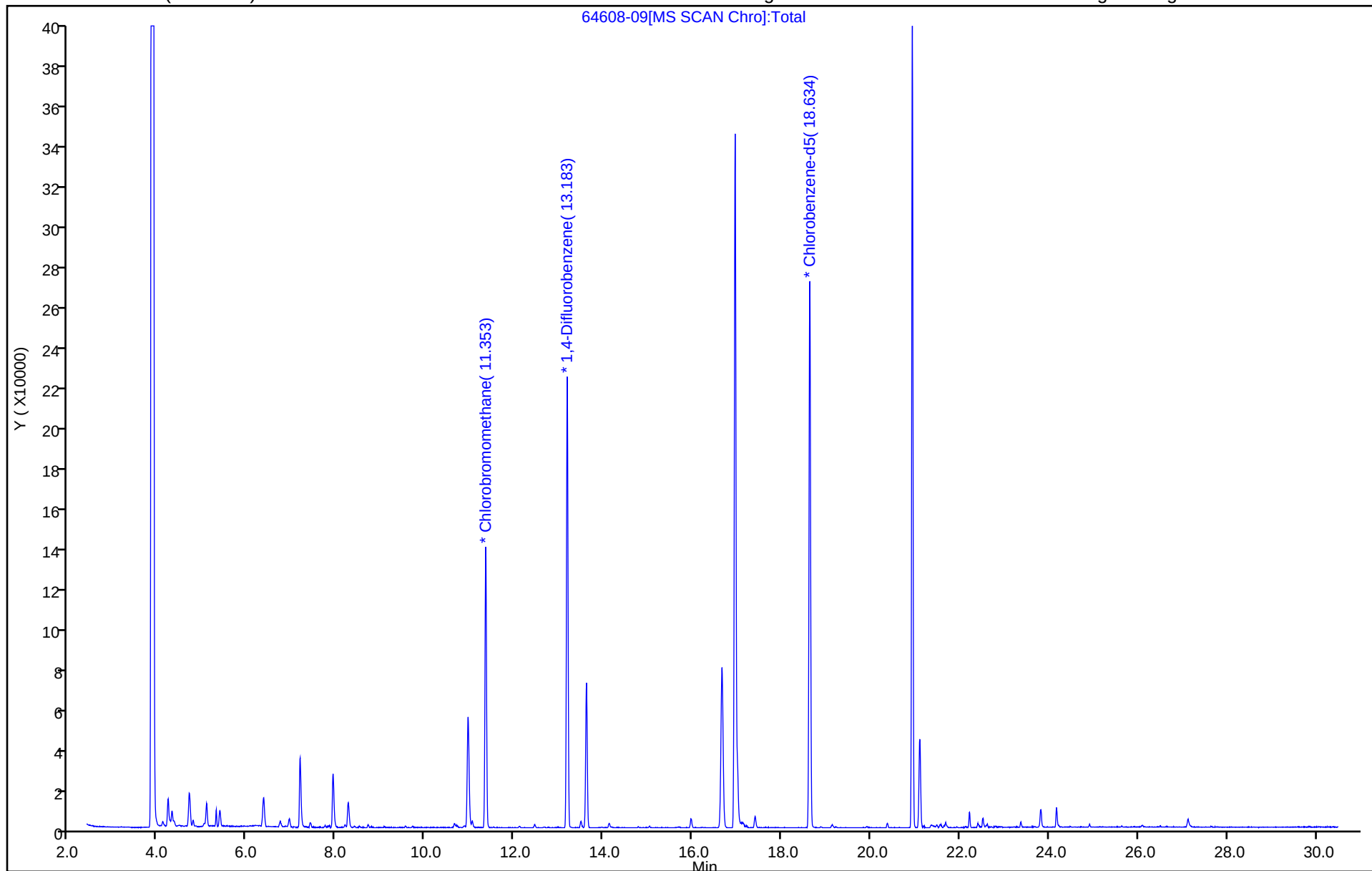
ALS Bottle#: 8

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

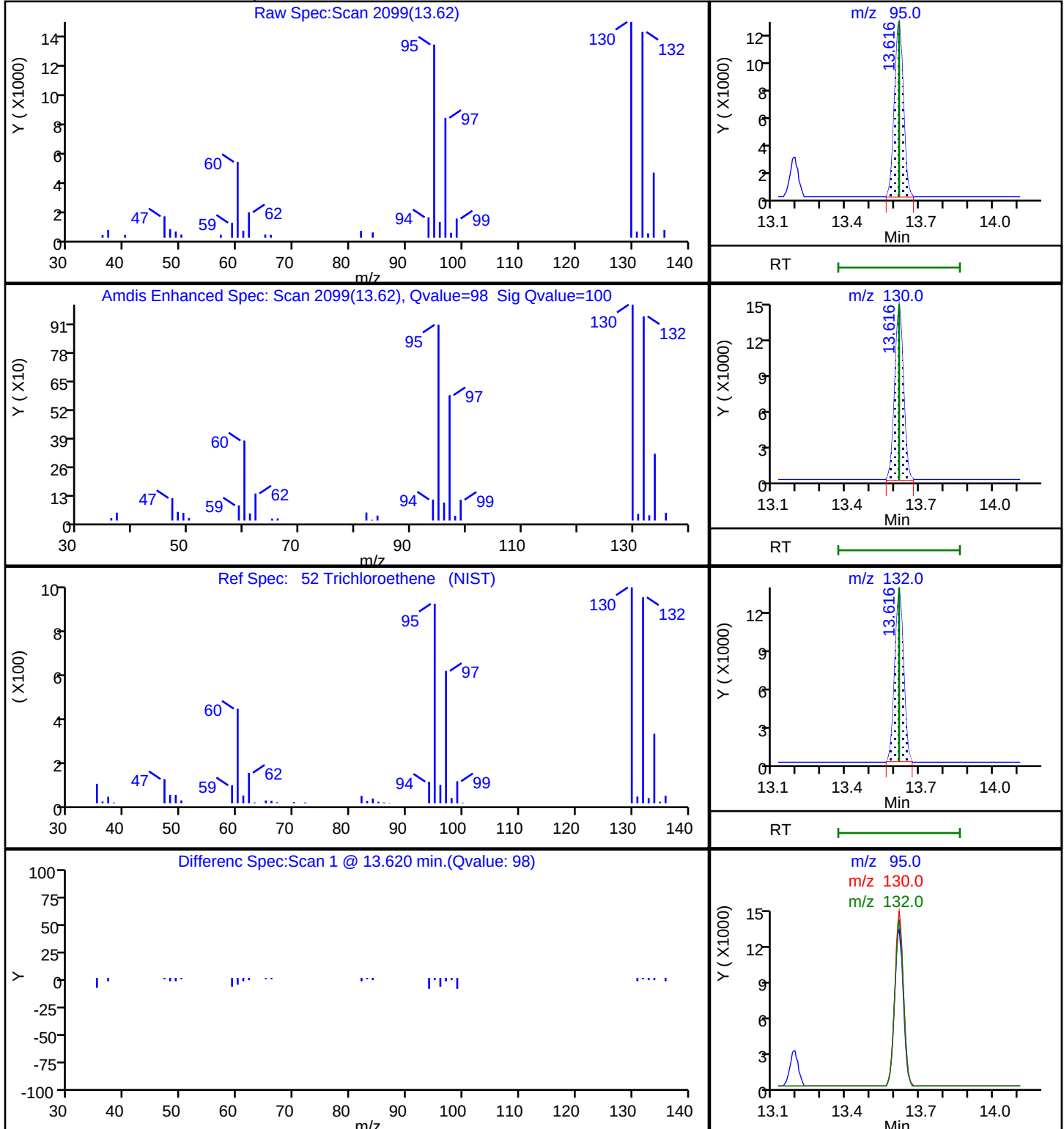
Column: RTX-624 (0.32 mm)

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



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-09.D
Injection Date: 08-Apr-2025 15:15:30 Instrument ID: CHX.i
Lims ID: 200-77589-A-4 Lab Sample ID: 200-77589-4
Client ID: LL2-Pump Room-04-02-25
Operator ID: wrd 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

52 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-09.D

Injection Date: 08-Apr-2025 15:15:30

Instrument ID: CHX.i

Lims ID: 200-77589-A-4

Lab Sample ID: 200-77589-4

Client ID: LL2-Pump Room-04-02-25

Operator ID: wrd

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

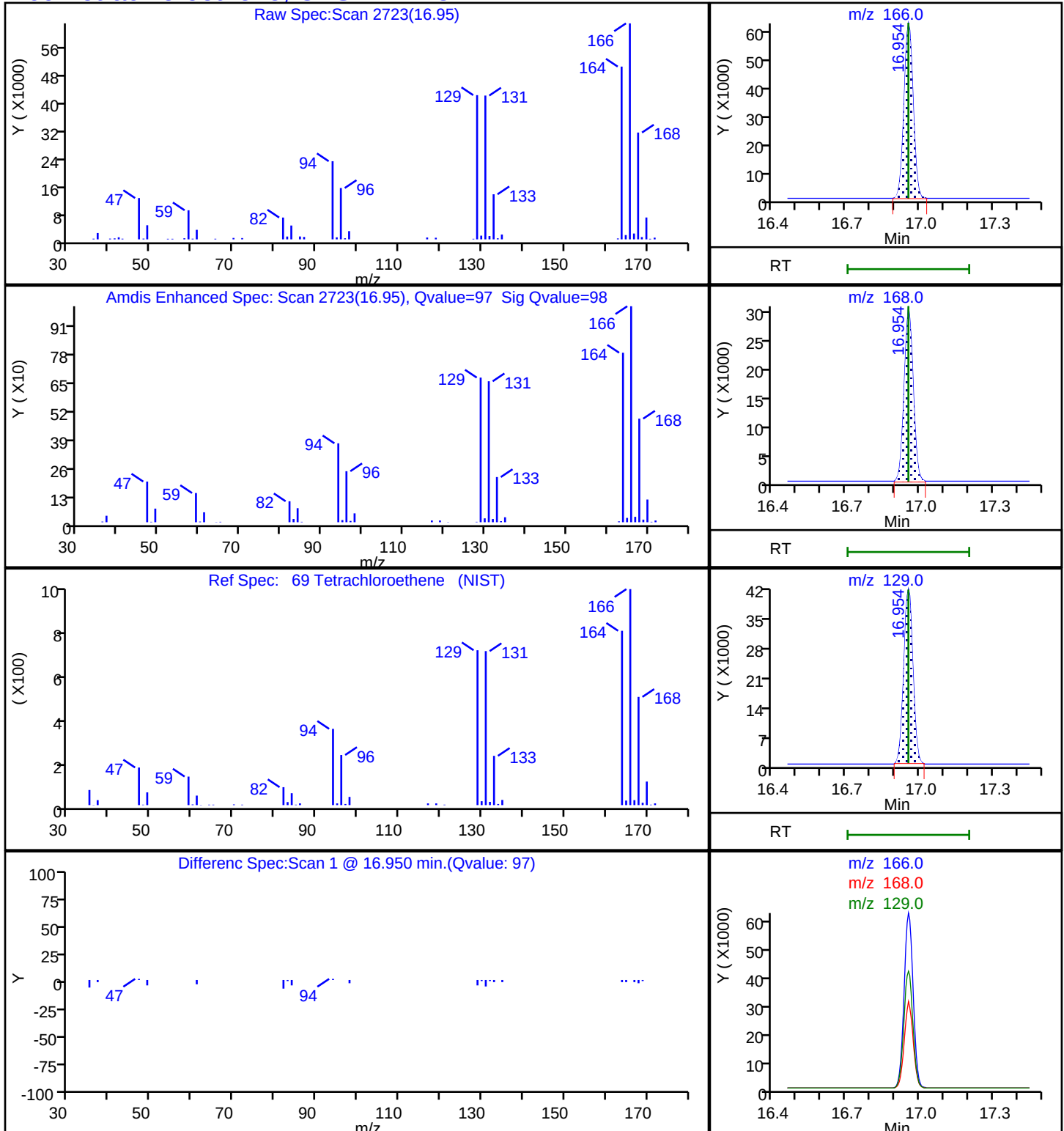
Dil. Factor: 1.0000

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

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: Driveway - 04-02-25 Lab Sample ID: 200-77589-5
Matrix: Air Lab File ID: 64608-14.D
Analysis Method: TO-15 Date Collected: 04/02/2025 14:07
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 20:08
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.: 214931 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.029
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.036

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: Driveway - 04-02-25 Lab Sample ID: 200-77589-5
Matrix: Air Lab File ID: 64608-14.D
Analysis Method: TO-15 Date Collected: 04/02/2025 14:07
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 20:08
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.: 214931 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.16
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.24

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-14.D
 Lims ID: 200-77589-A-5
 Client ID: Driveway-04-02-25
 Sample Type: Client
 Inject. Date: 08-Apr-2025 20:08:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064608-014
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 09-Apr-2025 13:04:22 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1708

First Level Reviewer: YWL8

Date: 09-Apr-2025 13:06:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	11.353	11.358	-0.005	84	53023	10.0	
* 50 1,4-Difluorobenzene	114	13.183	13.188	-0.005	93	251432	10.0	
52 Trichloroethene	95		13.616				ND	
69 Tetrachloroethene	166		16.954				ND	
* 73 Chlorobenzene-d5	117	18.629	18.634	-0.005	85	228774	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\20250408-64608.b\64608-14.D

Injection Date: 08-Apr-2025 20:08:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-77589-A-5

Lab Sample ID: 200-77589-5

Worklist Smp#: 14

Client ID: Driveway-04-02-25

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

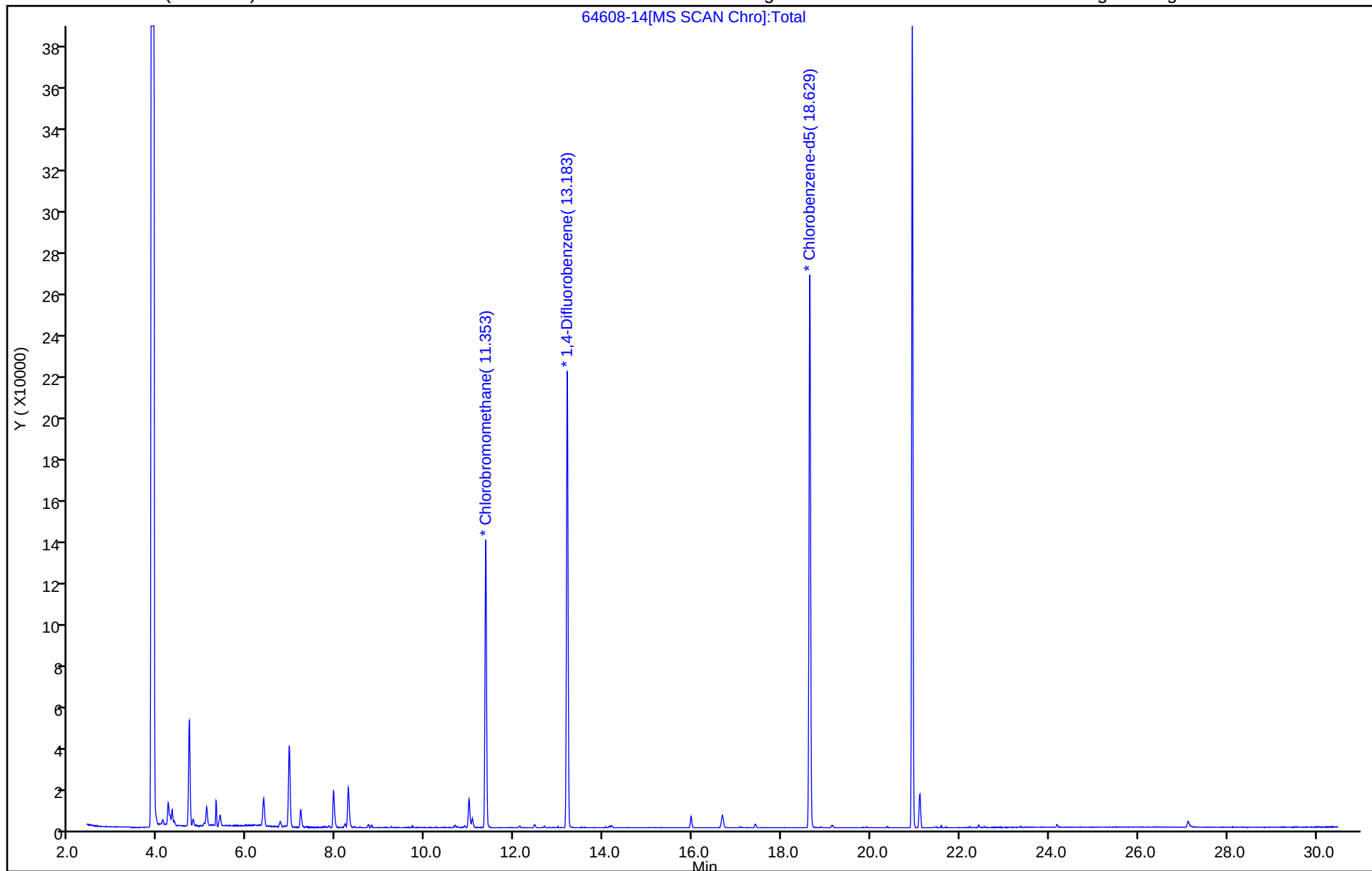
ALS Bottle#: 13

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



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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-214438/19	64366-19.D
Level 2	IC 200-214438/6	64366-06.D
Level 3	IC 200-214438/7	64366-07.D
Level 4	IC 200-214438/8	64366-08.D
Level 5	ICIS 200-214438/9	64366-09.D
Level 6	IC 200-214438/10	64366-10.D
Level 7	IC 200-214438/13	64366-13.D
Level 8	IC 200-214438/14	64366-14.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 1.3482	++++ 1.0705	++++ 1.2524	1.1848	1.1985	Ave		1.210 9				8.4		30.0			
Dichlorodifluoromethane	++++ 3.9859	++++ 3.9816	3.9596 3.8571	3.6184	3.9778	Ave		3.896 7				3.7		30.0			
Freon 22	++++ 2.5007	++++ 2.3803	2.4993 2.3633	2.3300	2.3741	Ave		2.407 9				3.0		30.0			
1,2-Dichlorotetrafluoroethane	++++ 4.4458	3.3851 4.2914	4.1179 4.3012	3.9929	4.2893	Ave		4.117 6				8.6		30.0			
Chloromethane	++++ 1.5766	++++ 1.5230	1.5178 1.5028	1.4807	1.5214	Ave		1.520 4				2.1		30.0			
Vinyl chloride	1.1593 1.5446	1.2022 1.5176	1.4180 1.4940	1.4515	1.4968	Ave		1.410 5				10.5		30.0			
n-Butane	++++ 2.1363	++++ 2.0963	2.1372 1.9886	1.9780	2.1409	Ave		2.079 5				3.7		30.0			
1,3-Butadiene	0.3742 1.1054	0.7653 1.0916	1.0357 1.0625	1.0321	1.0844	Ave		0.943 9				27.0		30.0			
Bromomethane	++++ 1.1077	0.9228 1.1014	1.1166 1.0898	1.1201	1.1299	Ave		1.084 1				6.7		30.0			
Chloroethane	++++ 0.6617	++++ 0.6639	0.5977 0.6550	0.6579	0.6628	Ave		0.649 9				4.0		30.0			
Isopentane	++++ 1.6390	1.4505 1.6528	1.6612 1.6467	1.6423	1.6618	Ave		1.622 0				4.7		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.3416	1.0100 1.3664	1.2688 1.3883	1.2857	1.3362	Ave		1.285 3				10.0		30.0			
Trichlorofluoromethane	++++ 3.2162	2.5815 3.2579	3.2036 3.2130	3.2253	3.2773	Ave		3.139 3				7.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	+++++ 2.4031	+++++ 2.4359	2.4234 2.3451	2.3691	2.4920	Ave		2.411 4				2.2		30.0			
Ethanol	+++++ 0.7025	+++++ 0.7225	0.9078 0.6754	0.7350	0.7236	Ave		0.744 5				11.1		30.0			
Ethyl ether	+++++ 0.9606	0.5740 0.9761	0.8069 0.9561	0.9399	0.9837	Ave		0.885 3				16.9		30.0			
Acrolein	+++++ 0.5249	+++++ 0.5326	+++++ 0.5109	0.5058	0.5373	Ave		0.522 3				2.6		30.0			
1,1-Dichloroethene	0.5870 1.3536	1.1043 1.3856	1.3476 1.3609	1.3457	1.3843	Ave		1.233 6				22.4		30.0			
Freon TF	+++++ 2.8502	2.3555 2.8652	2.8372 2.8074	2.8687	2.8854	Ave		2.781 4				6.8		30.0			
Acetone	+++++ 1.8054	+++++ 1.8398	+++++ 1.7136	1.9444	1.9140	Ave		1.843 4				5.0		30.0			
Carbon disulfide	+++++ 3.8625	+++++ 3.9242	4.8178 3.7472	3.9941	3.9842	Ave		4.055 0				9.5		30.0			
Isopropyl alcohol	+++++ 2.0015	+++++ 2.0361	+++++ 1.8163	2.2563	2.1237	Ave		2.046 8				7.9		30.0			
Acetonitrile	+++++ 0.9399	+++++ 0.9548	+++++ 0.8901	1.0147	0.9998	Ave		0.959 9				5.2		30.0			
3-Chloropropene	+++++ 1.4581	1.2948 1.4694	1.4972 1.3664	1.5166	1.5195	Ave		1.446 0				5.8		30.0			
Methylene Chloride	+++++ 1.3336	+++++ 1.3464	1.4657 1.2468	1.4277	1.4099	Ave		1.371 7				5.8		30.0			
tert-Butyl alcohol	+++++ 2.5485	+++++ 2.5525	+++++ 2.3380	2.5122	2.5294	Ave		2.496 1				3.6		30.0			
Acrylonitrile	+++++ 0.8588	+++++ 0.8659	0.8471 0.8183	0.8854	0.8972	Ave		0.862 1				3.3		30.0			
trans-1,2-Dichloroethene	1.1703 1.6822	1.3215 1.7153	1.7169 1.5920	1.7315	1.7459	Ave		1.584 5				13.8		30.0			
Methyl tert-butyl ether	+++++ 3.2944	2.7141 3.4363	3.2759 3.3081	3.4172	3.4809	Ave		3.275 3				7.9		30.0			
n-Hexane	+++++ 1.7777	1.3580 1.8028	1.6800 1.7105	1.8218	1.8503	Ave		1.714 5				9.8		30.0			
1,1-Dichloroethane	1.7242 2.1333	1.7682 2.1512	2.2300 1.9922	2.2472	2.2272	Ave		2.059 2				10.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 2.4770	++++ 2.4721	++++ 2.2936	2.4622	2.5896	Ave		2.458 9				4.3		30.0			
Methyl Ethyl Ketone	++++ 0.6027	++++ 0.6335	1.1138 0.6181	0.6429	0.6396	Ave		0.708 4				28.1		30.0			
cis-1,2-Dichloroethene	0.8291 1.3533	1.1061 1.3844	1.3443 1.3248	1.3845	1.4025	Ave		1.266 1				15.8		30.0			
Ethyl acetate	++++ 0.1058	++++ 0.1113	++++ 0.1094	0.1045	0.1119	Ave		0.108 6				3.1		30.0			
Tetrahydrofuran	++++ 0.2565	++++ 0.2654	++++ 0.2471	0.2779	0.2722	Ave		0.263 8				4.7		30.0			
Chloroform	++++ 2.5287	2.1535 2.5522	2.5343 2.4426	2.6038	2.6177	Ave		2.490 4				6.4		30.0			
1,1,1-Trichloroethane	++++ 0.5478	0.4444 0.5548	0.5445 0.5344	0.5452	0.5621	Ave		0.533 3				7.5		30.0			
Cyclohexane	++++ 0.3561	0.2542 0.3652	0.3164 0.3580	0.3476	0.3638	Ave		0.337 3				11.9		30.0			
Carbon tetrachloride	0.4293 0.5843	0.4403 0.5965	0.5633 0.5750	0.5817	0.5966	Ave		0.545 9				12.7		30.0			
Benzene	++++ 0.8236	0.7212 0.8386	0.8435 0.8111	0.8279	0.8447	Ave		0.815 8				5.3		30.0			
1,2-Dichloroethane	++++ 0.3337	0.2529 0.3366	0.3442 0.3201	0.3409	0.3431	Ave		0.324 5				10.1		30.0			
2,2,4-Trimethylpentane	++++ 1.2393	0.8847 1.2616	1.1457 1.1954	1.2344	1.2782	Ave		1.177 0				11.6		30.0			
n-Heptane	++++ 0.4199	0.3089 0.4275	0.3826 0.3939	0.4241	0.4360	Ave		0.399 0				11.0		30.0			
n-Butanol	++++ 0.2027	++++ 0.2062	++++ 0.1970	0.1906	0.1974	Ave		0.198 8				3.0		30.0			
Trichloroethene	0.2751 0.3692	0.2897 0.3788	0.3687 0.3629	0.3713	0.3764	Ave		0.349 0				11.9		30.0			
1,2-Dichloropropane	++++ 0.3022	0.2453 0.3073	0.3147 0.2887	0.3142	0.3142	Ave		0.298 1				8.4		30.0			
Methyl methacrylate	++++ 0.2857	++++ 0.2956	0.2499 0.2860	0.2806	0.2901	Ave		0.281 3				5.8		30.0			
Dibromomethane	++++ 0.3984	0.3140 0.4082	0.3795 0.3900	0.3890	0.4026	Ave		0.383 1				8.3		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 0.1899	0.0954 0.1884	0.1568 0.1725	0.1900	0.1890	Ave		0.168 9				20.6		30.0			
Bromodichloromethane	++++ 0.5931	0.4408 0.6086	0.5526 0.5793	0.5886	0.6019	Ave		0.566 4				10.3		30.0			
cis-1,3-Dichloropropene	++++ 0.5348	0.3919 0.5510	0.4615 0.5315	0.5153	0.5433	Ave		0.504 2				11.4		30.0			
Methyl isobutyl ketone	++++ 0.5826	++++ 0.5852	0.5338 0.5382	0.5864	0.5843	Ave		0.568 4				4.4		30.0			
Toluene	++++ 0.8389	0.7155 0.9673	0.8075 0.8304	0.7903	0.8215	Ave		0.824 5				9.1		30.0			
n-Octane	++++ 0.5857	0.3573 0.5863	0.5041 0.5512	0.5745	0.6028	Ave		0.537 4				16.0		30.0			
trans-1,3-Dichloropropene	++++ 0.4298	0.2692 0.4431	0.3563 0.4275	0.4089	0.4379	Ave		0.396 1				15.9		30.0			
1,1,2-Trichloroethane	++++ 0.4143	0.4081 0.4811	0.4176 0.4163	0.4078	0.4120	Ave		0.422 4				6.2		30.0			
Tetrachloroethene	0.6228 0.7844	0.6704 0.9158	0.7730 0.7879	0.7351	0.7652	Ave		0.756 8				11.5		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.7421	++++ 0.8520	0.6752 0.7187	0.6949	0.7046	Ave		0.731 3				8.7		30.0			
Dibromochloromethane	++++ 0.9403	0.7436 1.1062	0.8770 0.9534	0.8780	0.9277	Ave		0.918 0				11.8		30.0			
1,2-Dibromoethane	++++ 0.8075	0.6744 0.9405	0.7536 0.8157	0.7604	0.7975	Ave		0.792 8				10.2		30.0			
Chlorobenzene	++++ 1.1968	1.1583 1.4015	1.1947 1.2084	1.1320	1.1829	Ave		1.210 7				7.3		30.0			
Ethylbenzene	++++ 1.8620	1.6558 2.1795	1.7744 1.8685	1.7512	1.8569	Ave		1.849 8				8.9		30.0			
m,p-Xylene	++++ 0.7394	0.5920 0.8671	0.6845 0.7365	0.6982	0.7395	Ave		0.722 5				11.4		30.0			
n-Nonane	++++ 0.8277	0.4900 0.9618	0.6481 0.8095	0.7621	0.8244	Ave		0.760 5				19.9		30.0			
Xylene, o-	++++ 0.7157	0.5704 0.8424	0.6146 0.7160	0.6648	0.7080	Ave		0.690 3				12.6		30.0			
Styrene	++++ 1.1553	0.7753 1.3567	0.9366 1.1527	1.0679	1.1432	Ave		1.084 0				17.0		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 0.9952	0.7523 1.1943	0.8559 0.9967	0.9075	0.9922	Ave		0.956 3				14.5		30.0			
Cumene	++++ 2.1778	1.6915 2.5696	1.8723 2.1748	2.0380	2.1718	Ave		2.099 4				13.2		30.0			
1,1,2,2-Tetrachloroethane	++++ 1.1305	1.0504 1.3339	1.1859 1.1199	1.1153	1.1317	Ave		1.152 5				7.7		30.0			
1,2,3-Trichloropropane	++++ 0.8623	++++ 1.0159	0.8594 0.8548	0.8327	0.8576	Ave		0.880 5				7.6		30.0			
n-Propylbenzene	++++ 2.6419	2.1790 3.1050	2.2728 2.6065	2.4810	2.6101	Ave		2.556 6				11.8		30.0			
2-Chlorotoluene	++++ 1.5963	1.4463 1.8955	1.4984 1.5915	1.5007	1.5966	Ave		1.589 4				9.3		30.0			
4-Ethyltoluene	++++ 2.1907	1.6863 2.5786	1.8823 2.1701	2.0679	2.1592	Ave		2.105 0				13.2		30.0			
1,3,5-Trimethylbenzene	++++ 1.8501	1.4215 2.1841	1.7044 1.8477	1.7582	1.8222	Ave		1.798 3				12.6		30.0			
n-Decane	++++ 1.1309	++++ 1.3279	0.8132 1.0663	1.1277	1.1433	Ave		1.101 6				15.1		30.0			
Alpha Methyl Styrene	++++ 1.0111	0.5813 1.1996	0.7112 1.0201	0.8931	0.9776	Ave		0.913 4				22.7		30.0			
tert-Butylbenzene	++++ 1.8649	1.5086 2.1950	1.7355 1.8253	1.7815	1.8434	Ave		1.822 0				11.2		30.0			
1,2,4-Trimethylbenzene	++++ 1.8763	1.4052 2.2091	1.6886 1.8683	1.8067	1.8565	Ave		1.815 8				13.3		30.0			
sec-Butylbenzene	++++ 2.8249	2.2171 3.3207	2.5967 2.7308	2.7219	2.8080	Ave		2.745 7				11.9		30.0			
1,3-Dichlorobenzene	++++ 1.3694	1.1066 1.6219	1.1714 1.3608	1.2700	1.3449	Ave		1.320 7				12.6		30.0			
4-Isopropyltoluene	++++ 2.5031	1.8051 2.9580	2.1428 2.4261	2.3278	2.4497	Ave		2.373 2				14.9		30.0			
1,4-Dichlorobenzene	++++ 1.3547	1.0189 1.6024	1.1489 1.3508	1.2234	1.3122	Ave		1.287 3				14.3		30.0			
Benzyl chloride	++++ 1.6555	0.8312 1.9737	1.1961 1.7003	1.4713	1.5846	Ave		1.487 5				25.1		30.0			
n-Butylbenzene	++++ 2.3021	1.4802 2.7001	1.7754 2.1919	2.1302	2.2382	Ave		2.116 9				18.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	+++++ 1.3280	1.1586 1.5776	1.1654 1.3110	1.2685	1.3097	Ave		1.302 7				10.7		30.0			
n-Undecane	+++++ 1.3591	+++++ 1.5871	+++++ 1.2415	1.3052	1.3292	Ave		1.364 4				9.7		30.0			
n-Dodecane	+++++ 1.3144	+++++ 1.6109	+++++ 1.2920	1.2551	1.2568	Ave		1.345 9				11.2		30.0			
1,2,4-Trichlorobenzene	+++++ 1.0675	+++++ 1.2989	0.5305 1.1146	0.8559	0.9311	Ave		0.966 4				27.2		30.0			
Hexachlorobutadiene	+++++ 1.1880	0.9910 1.4180	1.0635 1.1666	1.0945	1.1518	Ave		1.153 3				11.7		30.0			
Naphthalene	+++++ 2.2860	1.1442 2.8109	1.3162 2.4539	1.8945	1.8666	Ave		1.967 5				30.5	*	30.0			
1,2,3-Trichlorobenzene	+++++ 1.0859	+++++ 1.3029	0.6934 1.1314	0.8798	0.9399	Ave		1.005 5				21.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-214438/19	64366-19.D
Level 2	IC 200-214438/6	64366-06.D
Level 3	IC 200-214438/7	64366-07.D
Level 4	IC 200-214438/8	64366-08.D
Level 5	ICIS 200-214438/9	64366-09.D
Level 6	IC 200-214438/10	64366-10.D
Level 7	IC 200-214438/13	64366-13.D
Level 8	IC 200-214438/14	64366-14.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	++++ 134970	++++ 143227	++++ 377684	32225	78030	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 399046	++++ 532725	++++ 10957 1163212	98411	258969	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Freon 22	BCM	Ave	++++ 250358	++++ 318477	++++ 6916 712705	63370	154562	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 445091	++++ 3804 574176	++++ 11395 1297133	108598	279250	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Chloromethane	BCM	Ave	++++ 157836	++++ 203772	++++ 4200 453210	40272	99051	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	++++ 316 154638	++++ 1351 203056	++++ 3924 450548	39477	97449	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butane	BCM	Ave	++++ 213871	++++ 280485	++++ 5914 599711	53797	139383	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	++++ 102 110668	++++ 860 146054	++++ 2866 320424	28070	70598	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromomethane	BCM	Ave	++++ 110898	++++ 1037 147360	++++ 3090 328661	30464	73564	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Chloroethane	BCM	Ave	++++ 66247	++++ 88835	++++ 1654 197538	17894	43153	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Isopentane	BCM	Ave	++++ 164089	++++ 1630 221136	++++ 4597 496589	44666	108193	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 134317	++++ 1135 182824	++++ 3511 418685	34968	86995	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	++++ 321990	++++ 2901 435896	++++ 8865 968944	87721	213366	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
n-Pentane	BCM	Ave	++++ 240589	++++ 325919	++++ 6706 707231	64434	162241	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Ethanol	BCM	Ave	++++ 93979	++++ 193357	++++ 25151 509233	40006	70694	++++ 20.0	++++ 40.0	++++ 4.26 100.0	8.49	15.0

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

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	+++++ 96169	645 130597	2233 288325	25563	64043	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acrolein	BCM	Ave	+++++ 61537	+++++ 83451	+++++ 180419	16108	40964	+++++ 17.6	+++++ 23.4	+++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	160 135518	1241 185390	3729 410423	36600	90125	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Freon TF	BCM	Ave	+++++ 285346	2647 383362	7851 846635	78023	187849	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acetone	BCM	Ave	+++++ 180747	+++++ 246164	+++++ 516770	52883	124611	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Carbon disulfide	BCM	Ave	+++++ 386688	+++++ 525054	13332 1130069	108630	259388	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	+++++ 232239	+++++ 315742	+++++ 634853	71123	160246	+++++ 17.4	+++++ 23.2	+++++ 46.4	4.92	11.6
Acetonitrile	BCM	Ave	+++++ 94099	+++++ 127752	+++++ 268416	27597	65094	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	+++++ 145973	1455 196601	4143 412069	41249	98924	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	+++++ 133514	+++++ 180146	4056 375989	38829	91789	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 255142	+++++ 341522	+++++ 705075	68325	164675	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	+++++ 85980	+++++ 115854	2344 246790	24081	58410	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	319 168414	1485 229510	4751 480120	47094	113667	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 329815	3050 459768	9065 997636	92940	226622	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Hexane	BCM	Ave	+++++ 177977	1526 241216	4649 515851	49550	120461	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	470 213576	1987 287828	6171 600788	61118	145002	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	+++++ 282454	+++++ 376733	+++++ 787846	76274	192026	+++++ 17.1	+++++ 22.8	+++++ 45.6	4.83	11.4
Methyl Ethyl Ketone	BCM	Ave	+++++ 60334	+++++ 84761	3082 186415	17486	41643	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	226 135482	1243 185232	3720 399512	37654	91312	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	+++++ 10589	+++++ 14897	+++++ 33004	2841	7284	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	+++++	+++++	+++++	35981	83694	+++++	+++++	+++++	4.24	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

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
			121161	166297	349350			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 253157	2420 341479	7013 736636	70818	170422	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 258750	2362 347693	7088 755351	70575	172840	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	++++ 168212	1351 228889	4119 506015	44994	111867	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	554 276009	2340 373827	7332 812860	75308	183442	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzene	DFBZ	Ave	++++ 389049	3833 525574	10980 1146483	107174	259723	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 157608	1344 210977	4481 452527	44135	105488	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 585408	4702 790633	14914 1689706	159799	393029	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	++++ 198348	1642 267935	4981 556821	54897	134071	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	++++ 95737	++++ 129217	++++ 278520	24681	60701	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	355 174419	1540 237424	4800 513003	48070	115748	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 142767	1304 192565	4097 408060	40681	96606	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	++++ 134975	++++ 185231	3253 404259	36328	89197	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	++++ 188175	1669 255812	4940 551252	50353	123794	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	++++ 89692	507 118048	2041 243895	24595	58123	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	++++ 280165	2343 381396	7193 818862	76195	185071	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 252603	2083 345325	6008 751324	66704	167045	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl isobutyl ketone	DFBZ	Ave	++++ 275206	++++ 366731	6949 760812	75910	179662	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
Toluene	CBNZd 5	Ave	++++ 289823	2367 393958	7343 849156	76850	191401	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Octane	DFBZ	Ave	++++ 276649	1899 367454	6562 779200	74370	185356	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++	1431	4638	52935	134643	++++	0.170	0.425	4.24	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

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
			203007	277702	604357			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++	1350	3797	39652	96001	+++++	0.170	0.425	4.24	10.00
			143126	195913	425690			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	502	2218	7029	71487	178273	0.0351	0.170	0.425	4.24	10.00
			270985	372970	805653			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++	+++++	6140	67572	164156	+++++	+++++	0.425	4.24	10.00
			256372	347000	734888			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	+++++	2460	7975	85380	216152	+++++	0.170	0.425	4.24	10.00
			324854	450514	974873			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	+++++	2231	6853	73947	185818	+++++	0.170	0.425	4.24	10.00
			278974	383011	834029			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	+++++	3832	10864	110080	275597	+++++	0.170	0.425	4.24	10.00
			413443	570774	1235621			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	+++++	5478	16135	170286	432629	+++++	0.170	0.425	4.24	10.00
			643280	887622	1910566			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	+++++	3917	12449	135791	344605	+++++	0.341	0.851	8.49	20.0
			510878	706233	1506167			30.0	40.0	80.0		
n-Nonane	CBNZd 5	Ave	+++++	1621	5893	74109	192085	+++++	0.170	0.425	4.24	10.00
			285936	391697	827778			15.0	20.0	40.0		
Xylene, o-	CBNZd 5	Ave	+++++	1887	5589	64648	164947	+++++	0.170	0.425	4.24	10.00
			247256	343074	732108			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	+++++	2565	8517	103844	266357	+++++	0.170	0.425	4.24	10.00
			399132	552508	1178678			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	+++++	2489	7783	88249	231173	+++++	0.170	0.425	4.24	10.00
			343814	486397	1019203			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	+++++	5596	17025	198176	506003	+++++	0.170	0.425	4.24	10.00
			752353	1046501	2223775			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++	3475	10784	108450	263671	+++++	0.170	0.425	4.24	10.00
			390571	543252	1145152			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.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

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	+++++ 297899	+++++ 413744	7815 874056	80978	199804	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
n-Propylbenzene	CBNZd 5	Ave	+++++ 912704	7209 1264510	20667 2665195	241258	608126	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2-Chlorotoluene	CBNZd 5	Ave	+++++ 551479	4785 771971	13625 1627381	145935	371994	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Ethyltoluene	CBNZd 5	Ave	+++++ 756824	5579 1050165	17116 2219019	201089	503073	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,3,5-Trimethylbenzene	CBNZd 5	Ave	+++++ 639170	4703 889473	15498 1889309	170973	424555	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Decane	CBNZd 5	Ave	+++++ 390699	7395 540783	109664 1090339	266364	227768	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Alpha Methyl Styrene	CBNZd 5	Ave	+++++ 349315	1923 488551	6467 1043125	86849	227768	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
tert-Butylbenzene	CBNZd 5	Ave	+++++ 644257	4991 893905	15781 1866426	173240	429490	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2,4-Trimethylbenzene	CBNZd 5	Ave	+++++ 648201	4649 899665	15355 1910388	175687	432549	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
sec-Butylbenzene	CBNZd 5	Ave	+++++ 975916	7335 1352378	23612 2792351	264687	654239	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,3-Dichlorobenzene	CBNZd 5	Ave	+++++ 473102	3661 660529	10652 1391475	123494	313340	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Isopropyltoluene	CBNZd 5	Ave	+++++ 864740	5972 1204652	19485 2480743	226361	570758	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,4-Dichlorobenzene	CBNZd 5	Ave	+++++ 468003	3371 652595	10447 1381236	118964	305735	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzyl chloride	CBNZd 5	Ave	+++++ 571915	2750 803781	10876 1738599	143074	369189	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

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	+++++	4897	16144	207141	521483	+++++	0.170	0.425	4.24	10.00
			795316	1099612	2241232			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	3833	10597	123348	305153	+++++	0.170	0.425	4.24	10.00
			458777	642493	1340490			15.0	20.0	40.0		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	126919	309693	+++++	+++++	+++++	4.24	10.00
			469515	646370	1269459			15.0	20.0	40.0		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	122048	292829	+++++	+++++	+++++	4.24	10.00
			454100	656067	1321099			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	5658	97623	254453	+++++	+++++	0.499	4.98	11.7
			432586	620513	1336891			17.6	23.5	46.9		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	3685	10870	119634	301621	+++++	0.192	0.478	4.77	11.2
			461323	649091	1340785			16.9	22.5	45.0		
Naphthalene	CBNZd 5	Ave	+++++	4501	14230	219044	517099	+++++	0.203	0.506	5.05	11.9
			939023	1361107	2983430			17.8	23.8	47.6		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	7346	99665	255109	+++++	+++++	0.496	4.94	11.6
			437030	618140	1347750			17.5	23.3	46.6		

Curve Type Legend:

Ave = Average ISTD

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-214438/19	64366-19.D
Level 2	IC 200-214438/6	64366-06.D
Level 3	IC 200-214438/7	64366-07.D
Level 4	IC 200-214438/8	64366-08.D
Level 5	ICIS 200-214438/9	64366-09.D
Level 6	IC 200-214438/10	64366-10.D
Level 7	IC 200-214438/13	64366-13.D
Level 8	IC 200-214438/14	64366-14.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Propylene	++++ -11.6	++++ 3.4	++++	-2.2	-1.0	11.3	30	30		50	30	30
Dichlorodifluoromethane	++++ 2.2	++++ -1.0	1.6	-7.1	2.1	2.3	30	30	50	30	30	30
Freon 22	++++ -1.1	++++ -1.9	3.8	-3.2	-1.4	3.9	30	30	50	30	30	30
1,2-Dichlorotetrafluoroethane	++++ 4.2	++++ -17.8 4.5	0.0	-3.0	4.2	8.0	30	50 30	30	30	30	30
Chloromethane	++++ 0.2	++++ -1.2	-0.2	-2.6	0.1	3.7	30	30	50	30	30	30
Vinyl chloride	-17.8 7.6	-14.8 5.9	0.5	2.9	6.1	9.5	50 30	30 30	30	30	30	30
n-Butane	++++ 0.8	++++ -4.4	2.8	-4.9	3.0	2.7	30	30	50	30	30	30
1,3-Butadiene	-60.4 * 15.6	-18.9 12.6	9.7	9.3	14.9	17.1	50 30	30 30	30	30	30	30
Bromomethane	++++ 1.6	++++ -14.9 0.5	3.0	3.3	4.2	2.2	30	50 30	30	30	30	30
Chloroethane	++++ 2.2	++++ 0.8	-8.0	1.2	2.0	1.8	30	30	50	30	30	30
Isopentane	++++ 1.9	++++ -10.6 1.5	2.4	1.2	2.5	1.0	30	50 30	30	30	30	30
Bromoethene (Vinyl Bromide)	++++ 6.3	++++ -21.4 8.0	-1.3	0.0	4.0	4.4	30	50 30	30	30	30	30
Trichlorofluoromethane	++++ 3.8	++++ -17.8 2.3	2.0	2.7	4.4	2.5	30	50 30	30	30	30	30
n-Pentane	++++ 1.0	++++ -2.7	0.5	-1.8	3.3	-0.3	30	30	50	30	30	30
Ethanol	++++ -3.0	++++ -9.3	21.9	-1.3	-2.8	-5.6	30	30	50	30	30	30

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl ether	++++ 10.3	-35.2 8.0	-8.9	6.2	11.1	8.5	30	50 30	30	30	30	30
Acrolein	++++ 2.0	++++ -2.2	++++	-3.2	2.9	0.5	30	30		50	30	30
1,1-Dichloroethene	-52.4 * 12.3	-10.5 10.3	9.2	9.1	12.2	9.7	50 30	30 30	30	30	30	30
Freon TF	++++ 3.0	-15.3 0.9	2.0	3.1	3.7	2.5	30	50 30	30	30	30	30
Acetone	++++ -0.2	++++ -7.0	++++	5.5	3.8	-2.1	30	30		50	30	30
Carbon disulfide	++++ -3.2	++++ -7.6	18.8	-1.5	-1.7	-4.7	30	30	50	30	30	30
Isopropyl alcohol	++++ -0.5	++++ -11.3	++++	10.2	3.8	-2.2	30	30		50	30	30
Acetonitrile	++++ -0.5	++++ -7.3	++++	5.7	4.2	-2.1	30	30		50	30	30
3-Chloropropene	++++ 1.6	-10.5 -5.5	3.5	4.9	5.1	0.8	30	50 30	30	30	30	30
Methylene Chloride	++++ -1.8	++++ -9.1	6.9	4.1	2.8	-2.8	30	30	50	30	30	30
tert-Butyl alcohol	++++ 2.3	++++ -6.3	++++	0.6	1.3	2.1	30	30		50	30	30
Acrylonitrile	++++ 0.4	++++ -5.1	-1.7	2.7	4.1	-0.4	30	30	50	30	30	30
trans-1,2-Dichloroethene	-26.1 8.3	-16.6 0.5	8.4	9.3	10.2	6.2	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	++++ 4.9	-17.1 1.0	0.0	4.3	6.3	0.6	30	50 30	30	30	30	30
n-Hexane	++++ 5.2	-20.8 -0.2	-2.0	6.3	7.9	3.7	30	50 30	30	30	30	30
1,1-Dichloroethane	-16.3 4.5	-14.1 -3.3	8.3	9.1	8.2	3.6	50 30	30 30	30	30	30	30
Vinyl acetate	++++ 0.5	++++ -6.7	++++	0.1	5.3	0.7	30	30		50	30	30
Methyl Ethyl Ketone	++++ -10.6	++++ -12.7	57.2 *	-9.2	-9.7	-14.9	30	30	50	30	30	30
cis-1,2-Dichloroethene	-34.5 9.3	-12.6 4.6	6.2	9.3	10.8	6.9	50 30	30 30	30	30	30	30
Ethyl acetate	++++ 2.5	++++ 0.8	++++	-3.8	3.0	-2.6	30	30		50	30	30
Tetrahydrofuran	++++ 0.6	++++ -6.3	++++	5.3	3.2	-2.8	30	30		50	30	30

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chloroform	++++ 2.5	-13.5 -1.9	1.8	4.6	5.1	1.5	30	50 30	30	30	30	30
1,1,1-Trichloroethane	++++ 4.0	-16.7 0.2	2.1	2.2	5.4	2.7	30	50 30	30	30	30	30
Cyclohexane	++++ 8.3	-24.6 6.1	-6.2	3.0	7.9	5.6	30	50 30	30	30	30	30
Carbon tetrachloride	-21.3 9.3	-19.3 5.3	3.2	6.6	9.3	7.0	50 30	30	30	30	30	30
Benzene	++++ 2.8	-11.6 -0.6	3.4	1.5	3.5	1.0	30	50 30	30	30	30	30
1,2-Dichloroethane	++++ 3.7	-22.1 -1.3	6.1	5.1	5.7	2.8	30	50 30	30	30	30	30
2,2,4-Trimethylpentane	++++ 7.2	-24.8 1.6	-2.7	4.9	8.6	5.3	30	50 30	30	30	30	30
n-Heptane	++++ 7.1	-22.6 -1.3	-4.1	6.3	9.3	5.2	30	50 30	30	30	30	30
n-Butanol	++++ 3.7	++++ -0.9	++++	-4.1	-0.7	2.0	30	30		50	30	30
Trichloroethene	-21.2 8.5	-17.0 4.0	5.6	6.4	7.8	5.8	50 30	30 30	30	30	30	30
1,2-Dichloropropane	++++ 3.1	-17.7 -3.2	5.6	5.4	5.4	1.4	30	50 30	30	30	30	30
Methyl methacrylate	++++ 5.1	++++ 1.7	-11.2	-0.2	3.1	1.6	30	30	50	30	30	30
Dibromomethane	++++ 6.6	-18.0 1.8	-0.9	1.5	5.1	4.0	30	50 30	30	30	30	30
1,4-Dioxane	++++ 11.6	-43.5 2.2	-7.1	12.5	12.0	12.5	30	50 30	30	30	30	30
Bromodichloromethane	++++ 7.4	-22.2 2.3	-2.4	3.9	6.3	4.7	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	++++ 9.3	-22.3 5.4	-8.5	2.2	7.8	6.1	30	50 30	30	30	30	30
Methyl isobutyl ketone	++++ 2.9	++++ -5.3	-6.1	3.2	2.8	2.5	30	30	50	30	30	30
Toluene	++++ 17.3	-13.2 0.7	-2.1	-4.1	-0.4	1.7	30	50 30	30	30	30	30
n-Octane	++++ 9.1	-33.5 2.6	-6.2	6.9	12.2	9.0	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	++++ 11.9	-32.0 7.9	-10.0	3.2	10.6	8.5	30	50 30	30	30	30	30
1,1,2-Trichloroethane	++++ 13.9	-3.4 -1.5	-1.2	-3.5	-2.5	-1.9	30	50 30	30	30	30	30

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Tetrachloroethene	-17.7 21.0	-11.4 4.1	2.1	-2.9	1.1	3.6	50 30	30 30	30	30	30	30
Methyl Butyl Ketone (2-Hexanone)	++++ 16.5	++++ -1.7	-7.7	-5.0	-3.6	1.5	30	30	50	30	30	30
Dibromochloromethane	++++ 20.5	-19.0 3.9	-4.5	-4.4	1.1	2.4	30	50 30	30	30	30	30
1,2-Dibromoethane	++++ 18.6	-14.9 2.9	-4.9	-4.1	0.6	1.9	30	50 30	30	30	30	30
Chlorobenzene	++++ 15.8	-4.3 -0.2	-1.3	-6.5	-2.3	-1.1	30	50 30	30	30	30	30
Ethylbenzene	++++ 17.8	-10.5 1.0	-4.1	-5.3	0.4	0.7	30	50 30	30	30	30	30
m,p-Xylene	++++ 20.0	-18.1 1.9	-5.3	-3.4	2.4	2.3	30	50 30	30	30	30	30
n-Nonane	++++ 26.5	-35.6 6.4	-14.8	0.2	8.4	8.8	30	50 30	30	30	30	30
Xylene, o-	++++ 22.0	-17.4 3.7	-11.0	-3.7	2.6	3.7	30	50 30	30	30	30	30
Styrene	++++ 25.2	-28.5 6.3	-13.6	-1.5	5.5	6.6	30	50 30	30	30	30	30
Bromoform	++++ 24.9	-21.3 4.2	-10.5	-5.1	3.8	4.1	30	50 30	30	30	30	30
Cumene	++++ 22.4	-19.4 3.6	-10.8	-2.9	3.4	3.7	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	++++ 15.7	-8.9 -2.8	2.9	-3.2	-1.8	-1.9	30	50 30	30	30	30	30
1,2,3-Trichloropropane	++++ 15.4	++++ -2.9	-2.4	-5.4	-2.6	-2.1	30	30	50	30	30	30
n-Propylbenzene	++++ 21.4	-14.8 2.0	-11.1	-3.0	2.1	3.3	30	50 30	30	30	30	30
2-Chlorotoluene	++++ 19.3	-9.0 0.1	-5.7	-5.6	0.5	0.4	30	50 30	30	30	30	30
4-Ethyltoluene	++++ 22.5	-19.9 3.1	-10.6	-1.8	2.6	4.1	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	++++ 21.5	-21.0 2.7	-5.2	-2.2	1.3	2.9	30	50 30	30	30	30	30
n-Decane	++++ 20.5	++++ -3.2	-26.2	2.4	3.8	2.7	30	30	50	30	30	30
Alpha Methyl Styrene	++++ 31.3 *	-36.4 11.7	-22.1	-2.2	7.0	10.7	30	50 30	30	30	30	30
tert-Butylbenzene	++++ 20.5	-17.2 0.2	-4.7	-2.2	1.2	2.4	30	50 30	30	30	30	30

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1 Analy Batch No.: 214438

SDG No.: _____

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

Calibration Start Date: 03/20/2025 17:02 Calibration End Date: 03/21/2025 09:07 Calibration ID: 54855

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	++++ 21.7	-22.6 2.9	-7.0	-0.5	2.2	3.3	30	50 30	30	30	30	30
sec-Butylbenzene	++++ 20.9	-19.3 -0.5	-5.4	-0.9	2.3	2.9	30	50 30	30	30	30	30
1,3-Dichlorobenzene	++++ 22.8	-16.2 3.0	-11.3	-3.8	1.8	3.7	30	50 30	30	30	30	30
4-Isopropyltoluene	++++ 24.6	-23.9 2.2	-9.7	-1.9	3.2	5.5	30	50 30	30	30	30	30
1,4-Dichlorobenzene	++++ 24.5	-20.8 4.9	-10.8	-5.0	1.9	5.2	30	50 30	30	30	30	30
Benzyl chloride	++++ 32.7 *	-44.1 14.3	-19.6	-1.1	6.5	11.3	30	50 30	30	30	30	30
n-Butylbenzene	++++ 27.6	-30.1 3.5	-16.1	0.6	5.7	8.8	30	50 30	30	30	30	30
1,2-Dichlorobenzene	++++ 21.1	-11.1 0.6	-10.5	-2.6	0.5	1.9	30	50 30	30	30	30	30
n-Undecane	++++ 16.3	++++ -9.0	++++	-4.3	-2.6	-0.4	30	30		50	30	30
n-Dodecane	++++ 19.7	++++ -4.0	++++	-6.7	-6.6	-2.3	30	30		50	30	30
1,2,4-Trichlorobenzene	++++ 34.4 *	++++ 15.3	-45.1	-11.4	-3.7	10.5	30	30	50	30	30	30
Hexachlorobutadiene	++++ 22.9	-14.1 1.1	-7.8	-5.1	-0.1	3.0	30	50 30	30	30	30	30
Naphthalene	++++ 42.9 *	-41.8 24.7	-33.1 *	-3.7	-5.1	16.2	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	++++ 29.6	++++ 12.5	-31.0	-12.5	-6.5	8.0	30	30	50	30	30	30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-06.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 20-Mar-2025 18:59:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-006
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 09:46:26 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: F7XK

Date: 21-Mar-2025 10:07:44

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	4.227	4.200	0.027	89	1451	0.1704	0.1817	
3 Dichlorodifluoromethane	85	4.313	4.318	-0.005	95	3429	0.1704	0.1334	
4 Chlorodifluoromethane	51	4.366	4.361	0.005	66	2353	0.1704	0.1482	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.671	4.682	-0.011	95	3804	0.1704	0.1401	
6 Chloromethane	50	4.789	4.778	0.011	93	1371	0.1704	0.1367	
8 Butane	43	5.094	5.088	0.006	96	2230	0.1704	0.1626	
7 Vinyl chloride	62	5.099	5.099	0.000	73	1351	0.1704	0.1452	
9 Butadiene	54	5.212	5.201	0.011	93	860	0.1704	0.1381	
10 Bromomethane	94	5.907	5.886	0.021	92	1037	0.1704	0.1450	
12 Chloroethane	64	6.164	6.153	0.011	82	333	0.1704	0.0777	
13 2-Methylbutane	43	6.378	6.378	0.000	89	1630	0.1704	0.1524	
14 Vinyl bromide	106	6.592	6.570	0.022	90	1135	0.1704	0.1339	
15 Trichlorofluoromethane	101	6.747	6.752	-0.005	94	2901	0.1704	0.1401	
16 Pentane	43	6.945	6.945	0.000	91	2283	0.1704	0.1435	
17 Ethanol	45	7.207	7.218	-0.011	99	3978	0.3408	0.8101	
18 Ethyl ether	59	7.426	7.378	0.048	92	645	0.1704	0.1105	
19 Acrolein	56	7.635	7.608	0.027	1	363	0.1995	0.1054	M
20 1,1-Dichloroethene	96	7.806	7.801	0.005	30	1241	0.1704	0.1525	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.838	7.843	-0.005	95	2647	0.1704	0.1443	
22 Acetone	43	7.967	7.961	0.006	95	7482	0.1704	0.6153	
24 Carbon disulfide	76	8.197	8.197	0.000	99	6641	0.1704	0.2483	
23 Isopropyl alcohol	45	8.282	8.282	0.000	99	11633	0.1975	0.8617	
25 Acetonitrile	41	8.416	8.389	0.027	75	1040	0.1704	0.1643	M
27 3-Chloro-1-propene	41	8.491	8.416	0.075	89	1455	0.1704	0.1526	
28 Methylene Chloride	49	8.726	8.715	0.011	89	1467	0.1704	0.1621	
29 2-Methyl-2-propanol	59	9.101	8.999	0.102	1	2113	0.1704	0.1283	
30 Acrylonitrile	53	9.138	9.117	0.021	98	755	0.1704	0.1328	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	90	1485	0.1704	0.1421	
31 Methyl tert-butyl ether	73	9.320	9.309	0.011	96	3050	0.1704	0.1412	
S 33 1,2-Dichloroethene, Total	61				0		0.3407	0.2909	
34 Hexane	57	9.716	9.716	0.000	92	1526	0.1704	0.1349	

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	9.967	9.962	0.005	93	1987	0.1704	0.1463	
35 Vinyl acetate	43	9.999	10.005	-0.006	98	2268	0.1941	0.1398	
38 cis-1,2-Dichloroethene	96	10.952	10.957	-0.005	90	1243	0.1704	0.1488	
37 2-Butanone (MEK)	72	11.000	11.005	-0.005	100	1442	0.1704	0.3086	
39 Ethyl acetate	88		11.021				ND	ND	
* 40 Chlorobromomethane	128	11.358	11.358	0.000	87	65958	10.0	10.0	
41 Tetrahydrofuran	42	11.492	11.487	0.005	35	1104	0.1704	0.1341	
42 Chloroform	83	11.535	11.545	-0.010	93	2420	0.1704	0.1473	
43 1,1,1-Trichloroethane	97	11.845	11.829	0.016	1	2362	0.1704	0.1420	
44 Cyclohexane	84	11.974	11.973	0.001	93	1351	0.1704	0.1284	
45 Carbon tetrachloride	117	12.118	12.113	0.005	94	2340	0.1704	0.1374	
46 Benzene	78	12.460	12.450	0.010	93	3833	0.1704	0.1506	
47 1,2-Dichloroethane	62	12.530	12.525	0.005	92	1344	0.1704	0.1328	
48 Isooctane	57	12.674	12.669	0.005	97	4702	0.1704	0.1281	
49 n-Heptane	43	12.985	12.985	0.000	83	1642	0.1704	0.1319	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	311962	10.0	10.0	
51 n-Butanol	56	13.504	13.461	0.043	77	1432	0.1704	0.2309	
52 Trichloroethene	95	13.616	13.616	0.000	94	1540	0.1704	0.1414	
55 1,2-Dichloropropane	63	14.071	14.065	0.006	83	1304	0.1704	0.1402	
56 Methyl methacrylate	69	14.194	14.167	0.027	88	848	0.1704	0.0966	
58 Dibromomethane	174	14.226	14.220	0.006	92	1669	0.1704	0.1397	
57 1,4-Dioxane	88	14.354	14.236	0.118	1	507	0.1704	0.0962	
59 Dichlorobromomethane	83	14.536	14.531	0.005	93	2343	0.1704	0.1326	
60 cis-1,3-Dichloropropene	75	15.338	15.328	0.010	84	2083	0.1704	0.1324	M
62 4-Methyl-2-pentanone (MIBK)	43	15.681	15.675	0.006	95	2452	0.1704	0.1383	
63 Toluene	92	15.970	15.964	0.006	90	2367	0.1704	0.1478	
A 64 Toluene Range	1	15.970	(15.943-15.991)		0	8087	NC	NC	
66 n-Octane	43	16.221	16.221	0.000	82	1899	0.1704	0.1133	
A 65 C8 Range	1	16.221	(16.189-16.253)		0	5473	NC	NC	
67 trans-1,3-Dichloropropene	75	16.392	16.382	0.010	88	1431	0.1704	0.1158	
68 1,1,2-Trichloroethane	83	16.756	16.751	0.005	89	1350	0.1704	0.1646	
69 Tetrachloroethene	166	16.965	16.954	0.011	94	2218	0.1704	0.1509	
70 2-Hexanone	43	17.232	17.221	0.011	88	1982	0.1704	0.1396	
71 Chlorodibromomethane	129	17.489	17.484	0.005	92	2460	0.1704	0.1380	
72 Ethylene Dibromide	107	17.724	17.724	0.000	97	2231	0.1704	0.1449	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	85	194183	10.0	10.0	
74 Chlorobenzene	112	18.698	18.698	0.000	97	3832	0.1704	0.1630	
75 Ethylbenzene	91	18.885	18.880	0.005	95	5478	0.1704	0.1525	
76 m-Xylene & p-Xylene	106	19.153	19.142	0.011	0	3917	0.3407	0.2792	M
77 n-Nonane	57	19.217	19.217	0.000	82	1621	0.1704	0.1098	M
S 78 Xylenes, Total	106				0		0.5111	0.4200	
79 o-Xylene	106	19.918	19.918	0.000	94	1887	0.1704	0.1408	
80 Styrene	104	19.950	19.955	-0.005	92	2565	0.1704	0.1219	
81 Bromoform	173	20.303	20.303	0.000	94	2489	0.1704	0.1340	
82 Isopropylbenzene	105	20.629	20.624	0.005	93	5596	0.1704	0.1373	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	94	3475	0.1704	0.1553	
84 1,2,3-Trichloropropane	75	21.250	21.250	0.000	95	2707	0.1704	0.1583	
85 N-Propylbenzene	91	21.352	21.351	0.001	99	7209	0.1704	0.1452	
86 2-Chlorotoluene	91	21.496	21.501	-0.005	94	4785	0.1704	0.1550	
87 4-Ethyltoluene	105	21.550	21.555	-0.005	97	5579	0.1704	0.1365	
88 1,3,5-Trimethylbenzene	105	21.651	21.651	0.000	92	4703	0.1704	0.1347	
89 n-Decane	57	21.683	21.678	0.005	89	2481	0.1704	0.1160	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.977	21.977	0.000	87	1923	0.1704	0.1084	
91 tert-Butylbenzene	119	22.133	22.127	0.006	95	4991	0.1704	0.1411	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	95	4649	0.1704	0.1318	
93 sec-Butylbenzene	105	22.459	22.454	0.005	98	7335	0.1704	0.1376	
94 1,3-Dichlorobenzene	146	22.625	22.625	0.000	96	3661	0.1704	0.1428	
95 4-Isopropyltoluene	119	22.673	22.673	0.000	97	5972	0.1704	0.1296	
96 1,4-Dichlorobenzene	146	22.769	22.774	-0.005	95	3371	0.1704	0.1349	
97 Benzyl chloride	91	22.914	22.914	0.000	95	2750	0.1704	0.0952	
98 n-Butylbenzene	91	23.224	23.224	0.000	98	4897	0.1704	0.1191	
99 1,2-Dichlorobenzene	146	23.256	23.256	0.000	97	3833	0.1704	0.1515	
100 Undecane	57	23.368	23.374	-0.006	91	2357	0.1704	0.0890	
101 Dodecane	57	24.920	24.920	0.000	95	2384	0.1704	0.0912	
102 1,2,4-Trichlorobenzene	180	25.642	25.637	0.005	88	1698	0.1998	0.0905	
103 Hexachlorobutadiene	225	25.883	25.877	0.006	93	3685	0.1915	0.1645	
104 Naphthalene	128	26.102	26.107	-0.005	97	4501	0.2026	0.1178	
105 1,2,3-Trichlorobenzene	180	26.503	26.509	-0.006	95	2307	0.1985	0.1182	
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_00274

Amount Added: 170.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2025 09:46:27

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-06.D

Injection Date: 20-Mar-2025 18:59:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

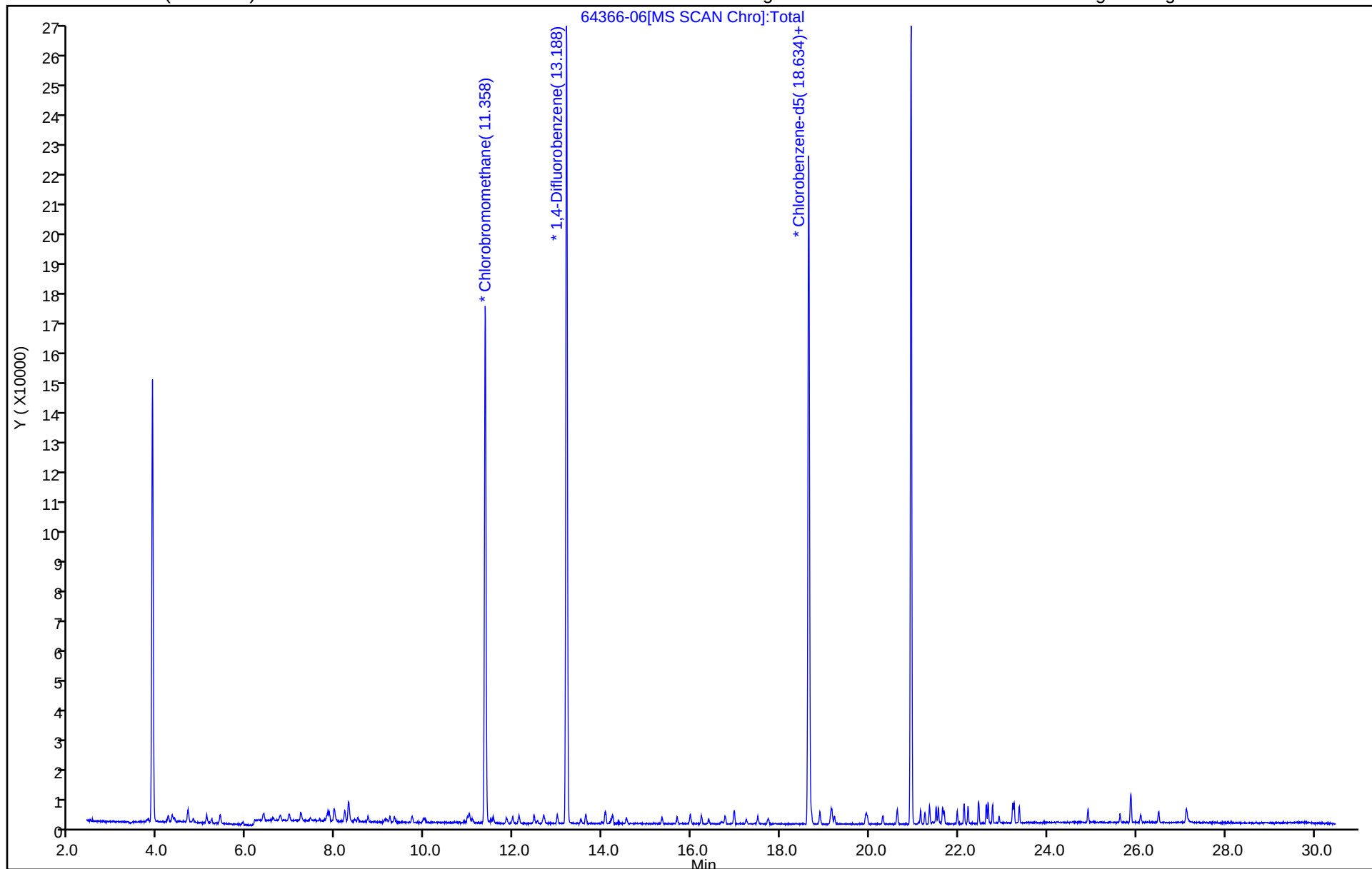
ALS Bottle#: 6

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

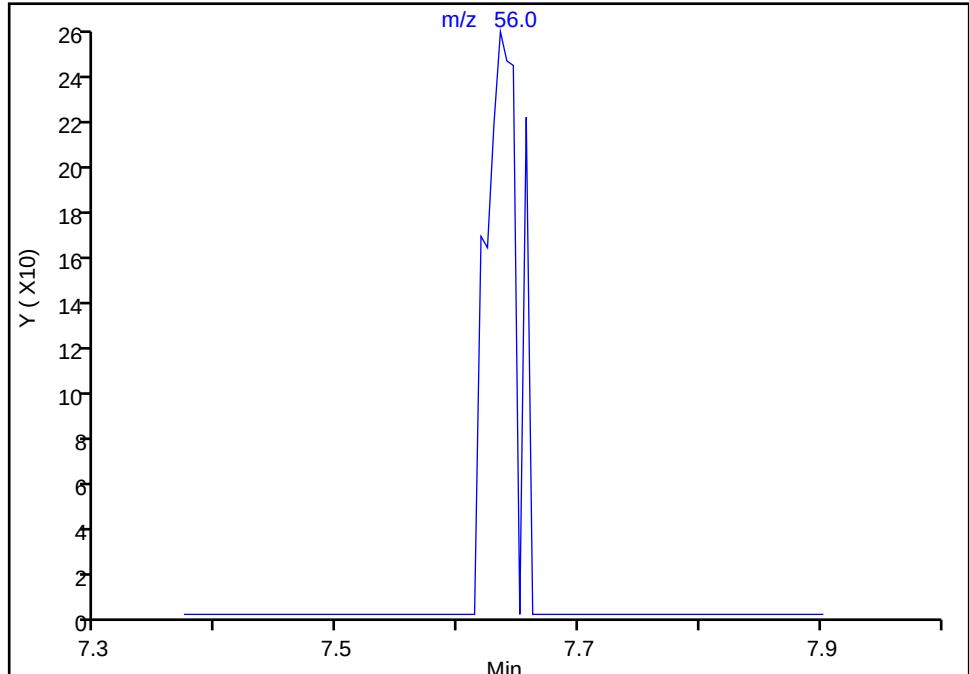
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Injection Date: 20-Mar-2025 18:59:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

19 Acrolein, CAS: 107-02-8

Signal: 1

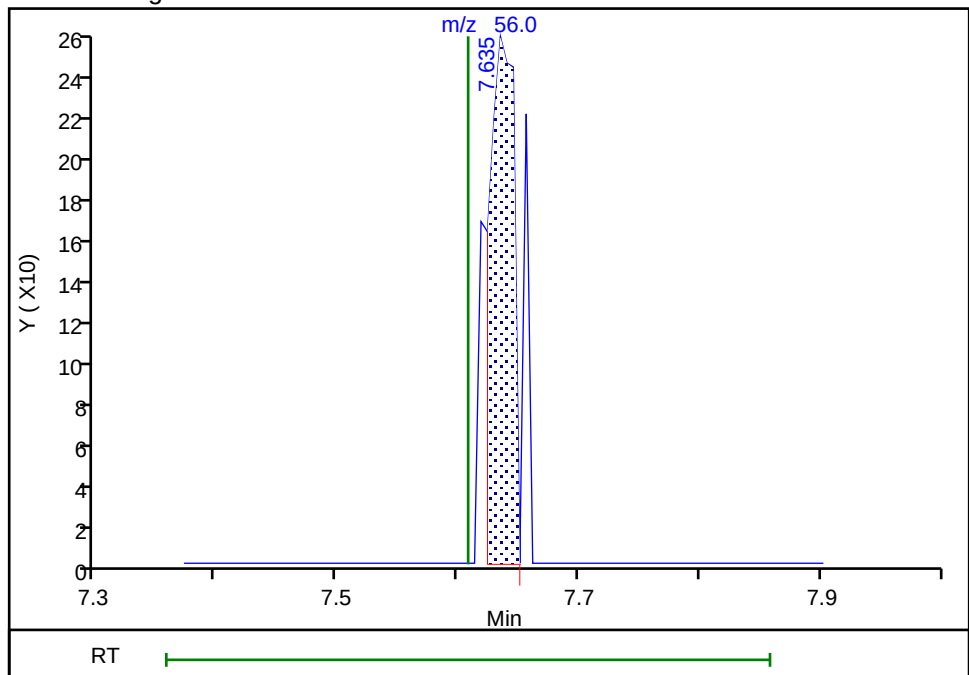
Not Detected
Expected RT: 7.61

Processing Integration Results



RT: 7.63
Area: 363
Amount: 0.105370
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 21-Mar-2025 10:02:14 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

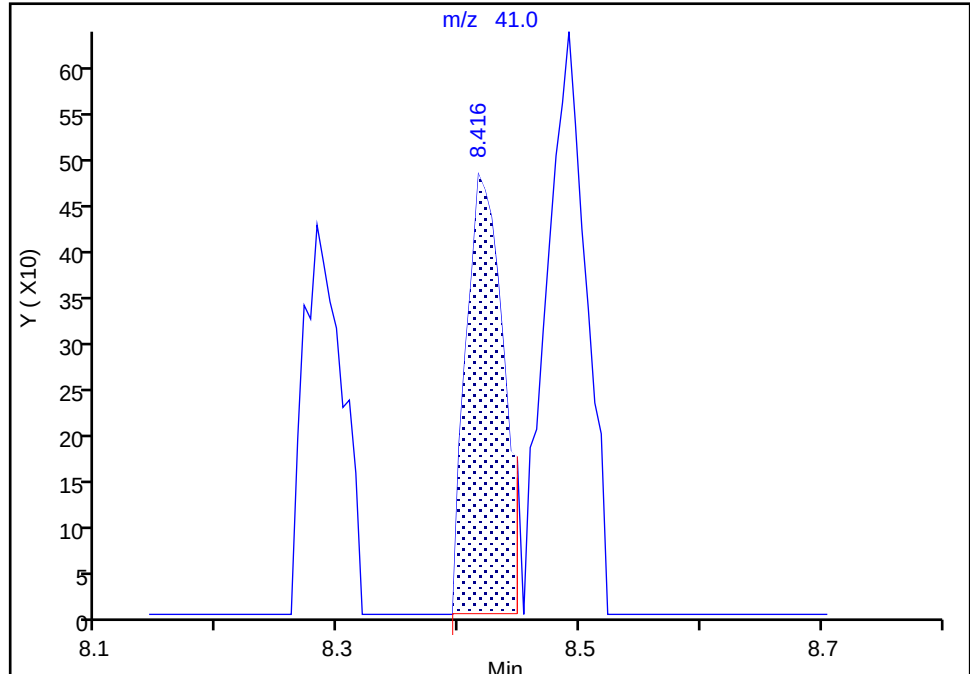
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Injection Date: 20-Mar-2025 18:59:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

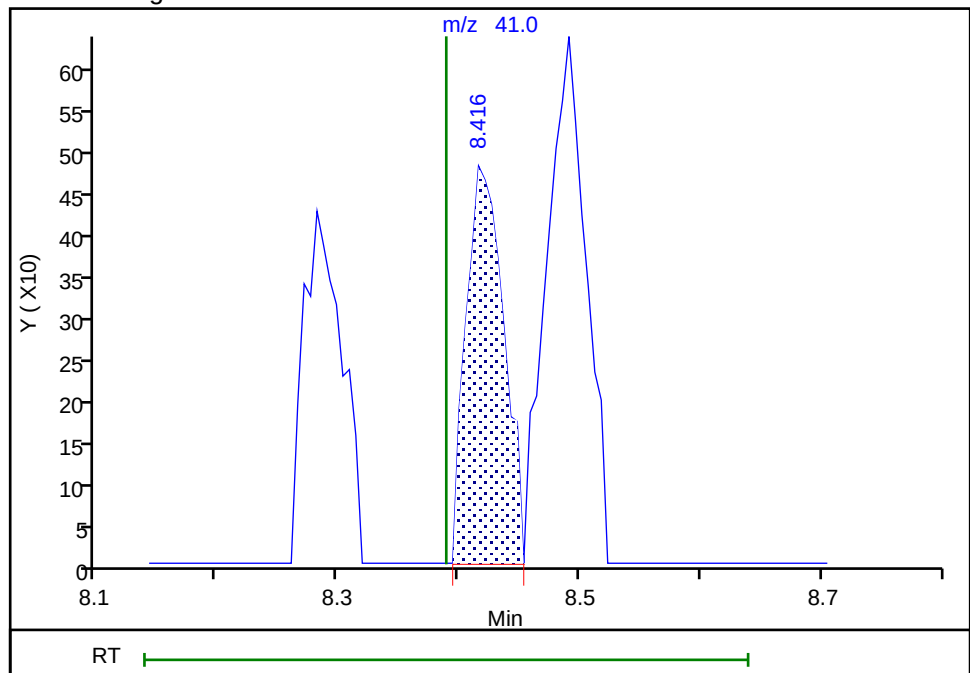
RT: 8.42
Area: 1040
Amount: 0.160774
Amount Units: ppb v/v

Processing Integration Results



RT: 8.42
Area: 1040
Amount: 0.164270
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 21-Mar-2025 10:02:58 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-06.D

Injection Date: 20-Mar-2025 18:59:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: wrd

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

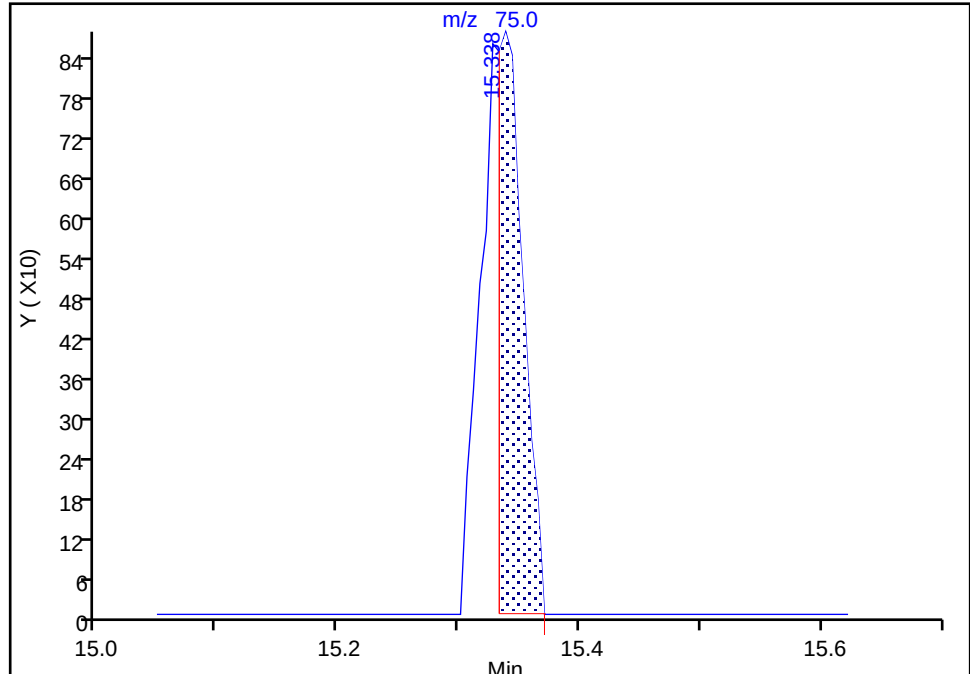
MS SCAN

60 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

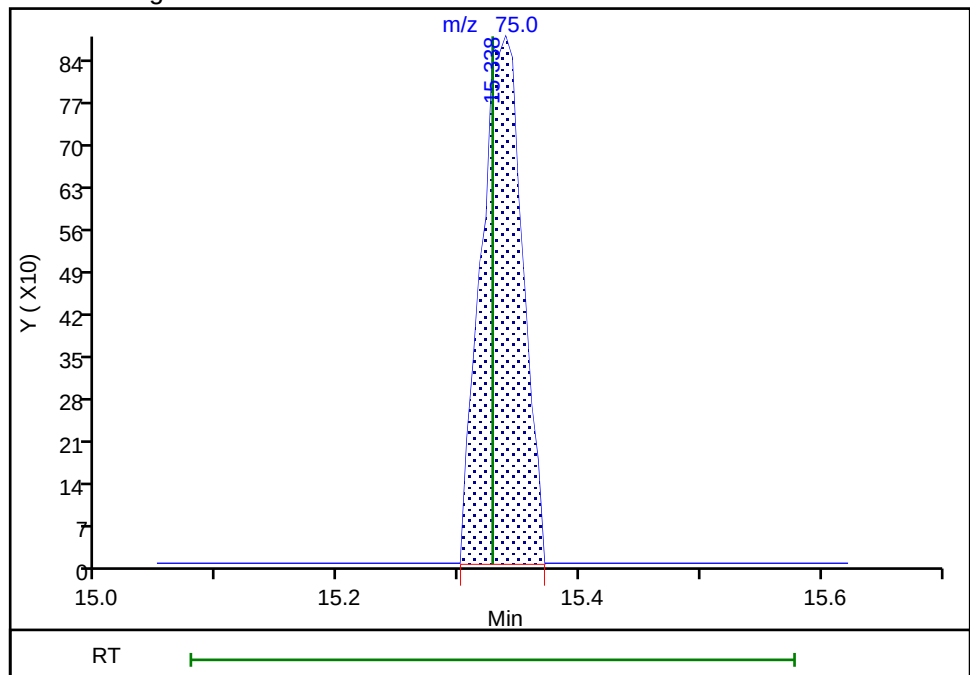
RT: 15.34
Area: 1293
Amount: 0.099269
Amount Units: ppb v/v

Processing Integration Results



RT: 15.34
Area: 2083
Amount: 0.132434
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 21-Mar-2025 10:04:58 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

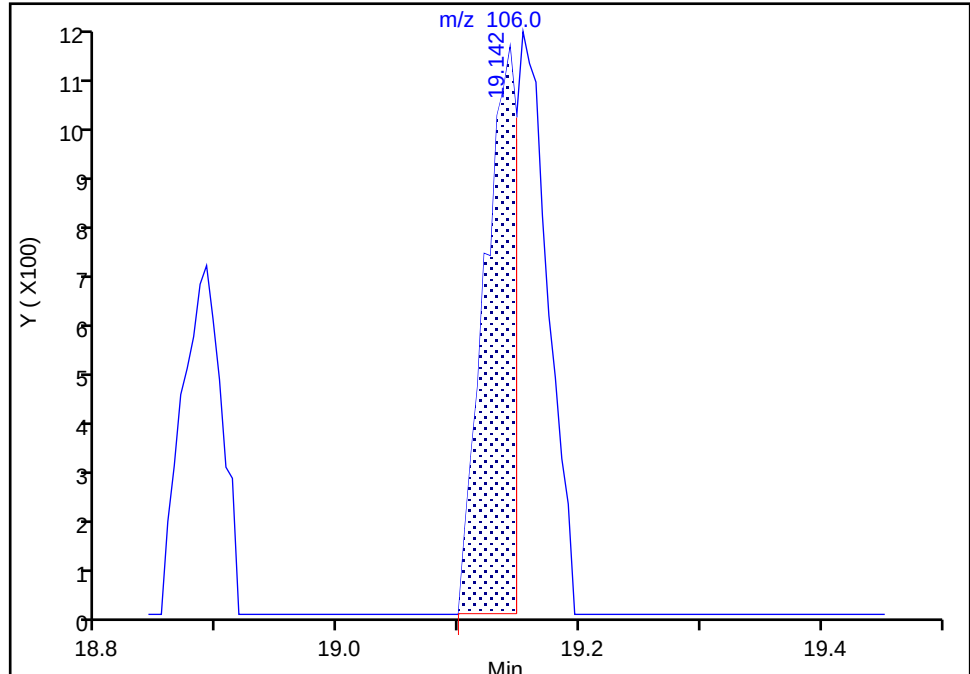
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Injection Date: 20-Mar-2025 18:59:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

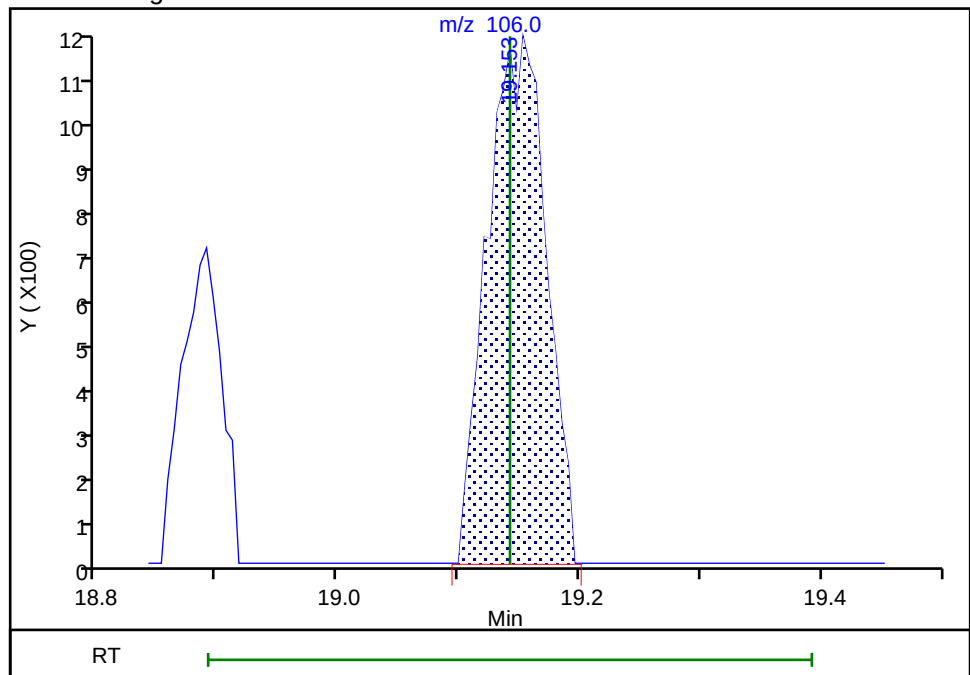
RT: 19.14
Area: 2092
Amount: 0.178283
Amount Units: ppb v/v

Processing Integration Results



RT: 19.15
Area: 3917
Amount: 0.279209
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 21-Mar-2025 10:05:51 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

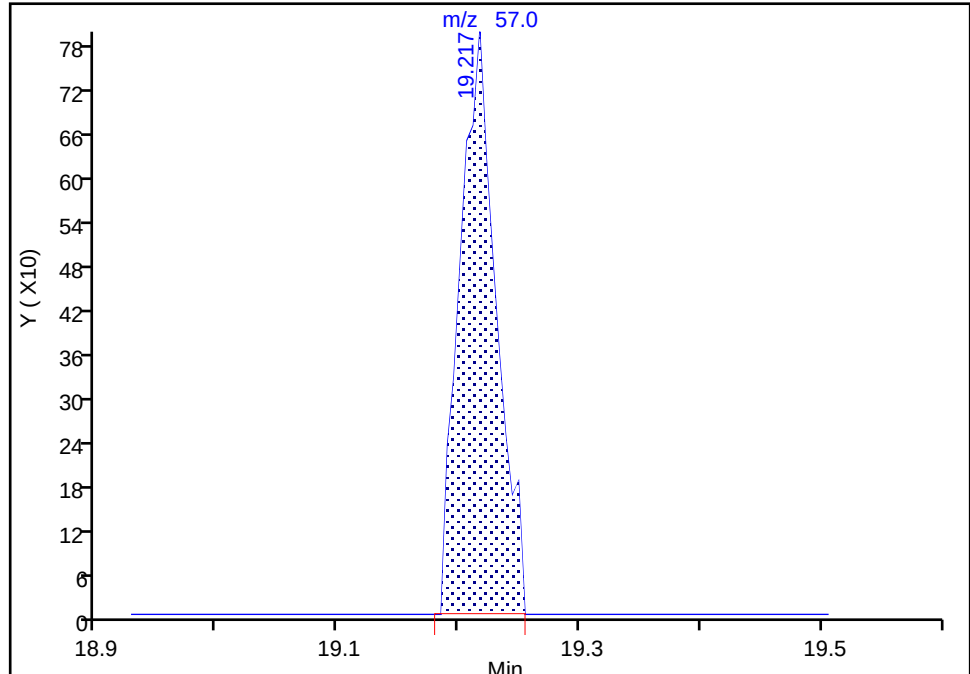
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Injection Date: 20-Mar-2025 18:59:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

77 n-Nonane, CAS: 111-84-2

Signal: 1

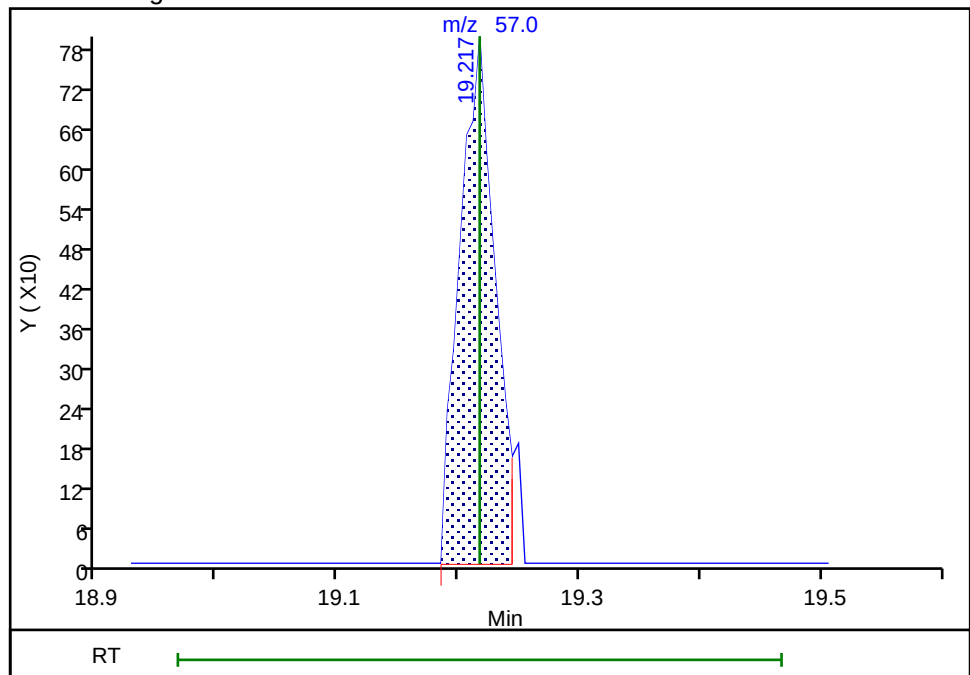
RT: 19.22
Area: 1680
Amount: 0.140633
Amount Units: ppb v/v

Processing Integration Results



RT: 19.22
Area: 1621
Amount: 0.109765
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 21-Mar-2025 10:06:15 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-07.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 20-Mar-2025 19:57:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-007
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 09:46:30 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: BKZ7

Date: 21-Mar-2025 07:55:16

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	4.222	4.200	0.022	99	3859	0.4254	0.4899	
3 Dichlorodifluoromethane	85	4.313	4.318	-0.005	99	10957	0.4254	0.4322	
4 Chlorodifluoromethane	51	4.361	4.361	0.000	96	6916	0.4254	0.4415	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.666	4.682	-0.016	94	11395	0.4254	0.4254	
6 Chloromethane	50	4.784	4.778	0.006	96	4200	0.4254	0.4247	
8 Butane	43	5.089	5.088	0.001	95	5914	0.4254	0.4372	
7 Vinyl chloride	62	5.089	5.099	-0.010	80	3924	0.4254	0.4277	
9 Butadiene	54	5.206	5.201	0.005	90	2866	0.4254	0.4668	
10 Bromomethane	94	5.896	5.886	0.010	98	3090	0.4254	0.4382	
12 Chloroethane	64	6.164	6.153	0.011	96	1654	0.4254	0.3913	
13 2-Methylbutane	43	6.372	6.378	-0.006	93	4597	0.4254	0.4357	
14 Vinyl bromide	106	6.586	6.570	0.016	97	3511	0.4254	0.4199	
15 Trichlorofluoromethane	101	6.747	6.752	-0.005	97	8865	0.4254	0.4341	
16 Pentane	43	6.950	6.945	0.005	97	6706	0.4254	0.4275	
17 Ethanol	45	7.202	7.218	-0.016	99	25151	4.26	5.19	
18 Ethyl ether	59	7.416	7.378	0.038	90	2233	0.4254	0.3877	
19 Acrolein	56	7.640	7.608	0.032	90	1605	0.4981	0.4724	
20 1,1-Dichloroethene	96	7.795	7.801	-0.006	97	3729	0.4254	0.4647	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.838	7.843	-0.005	98	7851	0.4254	0.4339	
22 Acetone	43	7.951	7.961	-0.010	96	11199	0.4254	0.9339	
24 Carbon disulfide	76	8.197	8.197	0.000	99	13332	0.4254	0.5054	
23 Isopropyl alcohol	45	8.282	8.282	0.000	99	8809	0.4930	0.6616	
25 Acetonitrile	41	8.416	8.389	0.027	99	2813	0.4254	0.4505	M
27 3-Chloro-1-propene	41	8.491	8.416	0.075	93	4143	0.4254	0.4404	
28 Methylene Chloride	49	8.721	8.715	0.006	90	4056	0.4254	0.4546	
29 2-Methyl-2-propanol	59	9.085	8.999	0.086	96	6270	0.4254	0.3861	
30 Acrylonitrile	53	9.144	9.117	0.027	94	2344	0.4254	0.4180	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	97	4751	0.4254	0.4609	
31 Methyl tert-butyl ether	73	9.299	9.309	-0.010	96	9065	0.4254	0.4255	
S 33 1,2-Dichloroethene, Total	61				0		0.8508	0.9126	
34 Hexane	57	9.711	9.716	-0.005	92	4649	0.4254	0.4168	

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	9.962	9.962	0.000	98	6171	0.4254	0.4607	
35 Vinyl acetate	43	10.000	10.005	-0.005	99	6970	0.4845	0.4357	
38 cis-1,2-Dichloroethene	96	10.952	10.957	-0.005	91	3720	0.4254	0.4517	
37 2-Butanone (MEK)	72	10.989	11.005	-0.016	99	3082	0.4254	0.6688	
39 Ethyl acetate	88		11.021				ND	ND	
* 40 Chlorobromomethane	128	11.358	11.358	0.000	86	65052	10.0	10.0	
41 Tetrahydrofuran	42	11.481	11.487	-0.006	84	3416	0.4254	0.4231	
42 Chloroform	83	11.535	11.545	-0.010	97	7013	0.4254	0.4329	
43 1,1,1-Trichloroethane	97	11.835	11.829	0.005	96	7088	0.4254	0.4343	
44 Cyclohexane	84	11.974	11.973	0.001	93	4119	0.4254	0.3990	
45 Carbon tetrachloride	117	12.113	12.113	0.000	97	7332	0.4254	0.4389	
46 Benzene	78	12.460	12.450	0.010	94	10980	0.4254	0.4398	
47 1,2-Dichloroethane	62	12.535	12.525	0.010	95	4481	0.4254	0.4513	
48 Isooctane	57	12.674	12.669	0.005	99	14914	0.4254	0.4141	
49 n-Heptane	43	12.985	12.985	0.000	86	4981	0.4254	0.4079	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	306009	10.0	10.0	
51 n-Butanol	56	13.504	13.461	0.043	89	3576	0.4254	0.5878	
52 Trichloroethene	95	13.621	13.616	0.005	98	4800	0.4254	0.4494	
55 1,2-Dichloropropane	63	14.071	14.065	0.006	86	4097	0.4254	0.4491	
56 Methyl methacrylate	69	14.188	14.167	0.021	94	3253	0.4254	0.3779	
58 Dibromomethane	174	14.226	14.220	0.006	95	4940	0.4254	0.4214	
57 1,4-Dioxane	88	14.333	14.236	0.097	92	2041	0.4254	0.3950	
59 Dichlorobromomethane	83	14.541	14.531	0.010	98	7193	0.4254	0.4150	
60 cis-1,3-Dichloropropene	75	15.339	15.328	0.011	89	6008	0.4254	0.3894	
62 4-Methyl-2-pentanone (MIBK)	43	15.665	15.675	-0.010	95	6949	0.4254	0.3995	
63 Toluene	92	15.970	15.964	0.006	93	7343	0.4254	0.4166	
A 64 Toluene Range	1	15.970	(15.943-15.991)		0	26134	NC	NC	
66 n-Octane	43	16.216	16.221	-0.005	87	6562	0.4254	0.3990	
A 65 C8 Range	1	16.221	(16.189-16.253)		0	25453	NC	NC	
67 trans-1,3-Dichloropropene	75	16.387	16.382	0.005	96	4638	0.4254	0.3826	
68 1,1,2-Trichloroethane	83	16.762	16.751	0.011	94	3797	0.4254	0.4205	
69 Tetrachloroethene	166	16.960	16.954	0.006	97	7029	0.4254	0.4345	
70 2-Hexanone	43	17.227	17.221	0.006	96	6140	0.4254	0.3928	
71 Chlorodibromomethane	129	17.489	17.484	0.005	97	7975	0.4254	0.4064	
72 Ethylene Dibromide	107	17.725	17.724	0.001	98	6853	0.4254	0.4044	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	85	213763	10.0	10.0	
74 Chlorobenzene	112	18.693	18.698	-0.005	96	10864	0.4254	0.4198	
75 Ethylbenzene	91	18.885	18.880	0.005	98	16135	0.4254	0.4081	
76 m-Xylene & p-Xylene	106	19.148	19.142	0.006	0	12449	0.8508	0.8061	
77 n-Nonane	57	19.217	19.217	0.000	91	5893	0.4254	0.3625	
S 78 Xylenes, Total	106				0		1.28	1.18	
79 o-Xylene	106	19.923	19.918	0.005	97	5589	0.4254	0.3788	
80 Styrene	104	19.955	19.955	0.000	97	8517	0.4254	0.3676	
81 Bromoform	173	20.303	20.303	0.000	96	7783	0.4254	0.3807	
82 Isopropylbenzene	105	20.624	20.624	0.000	96	17025	0.4254	0.3794	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	98	10784	0.4254	0.4377	
84 1,2,3-Trichloropropane	75	21.245	21.250	-0.005	97	7815	0.4254	0.4152	
85 N-Propylbenzene	91	21.352	21.351	0.001	99	20667	0.4254	0.3782	
86 2-Chlorotoluene	91	21.501	21.501	0.000	96	13625	0.4254	0.4010	
87 4-Ethyltoluene	105	21.550	21.555	-0.005	98	17116	0.4254	0.3804	
88 1,3,5-Trimethylbenzene	105	21.646	21.651	-0.005	93	15498	0.4254	0.4032	
89 n-Decane	57	21.683	21.678	0.005	91	7395	0.4254	0.3140	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.978	21.977	0.001	87	6467	0.4254	0.3312	
91 tert-Butylbenzene	119	22.133	22.127	0.006	96	15781	0.4254	0.4052	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	98	15355	0.4254	0.3956	
93 sec-Butylbenzene	105	22.459	22.454	0.005	99	23612	0.4254	0.4023	
94 1,3-Dichlorobenzene	146	22.630	22.625	0.005	96	10652	0.4254	0.3773	
95 4-Isopropyltoluene	119	22.673	22.673	0.000	97	19485	0.4254	0.3841	
96 1,4-Dichlorobenzene	146	22.769	22.774	-0.005	96	10447	0.4254	0.3796	
97 Benzyl chloride	91	22.914	22.914	0.000	98	10876	0.4254	0.3420	
98 n-Butylbenzene	91	23.224	23.224	0.000	98	16144	0.4254	0.3568	
99 1,2-Dichlorobenzene	146	23.251	23.256	-0.005	96	10597	0.4254	0.3806	
100 Undecane	57	23.368	23.374	-0.006	94	8580	0.4254	0.2942	
101 Dodecane	57	24.915	24.920	-0.005	95	8712	0.4254	0.3028	
102 1,2,4-Trichlorobenzene	180	25.642	25.637	0.005	90	5658	0.4990	0.2739	
103 Hexachlorobutadiene	225	25.877	25.877	0.000	96	10870	0.4781	0.4409	
104 Naphthalene	128	26.102	26.107	-0.005	99	14230	0.5058	0.3383	
105 1,2,3-Trichlorobenzene	180	26.509	26.509	0.000	94	7346	0.4956	0.3418	
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_00354

Amount Added: 170.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2025 09:46:31

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-07.D

Injection Date: 20-Mar-2025 19:57:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

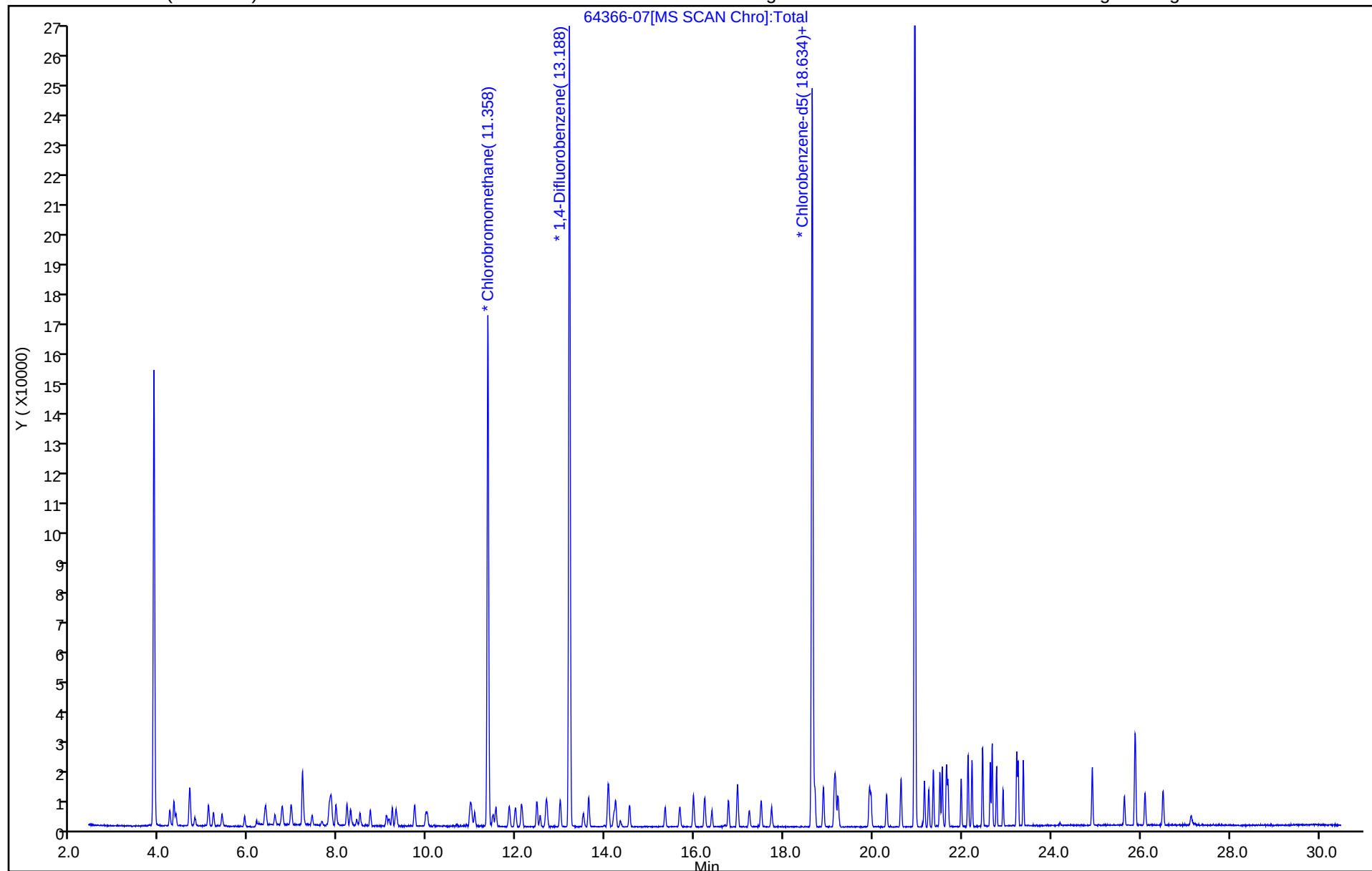
ALS Bottle#: 7

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

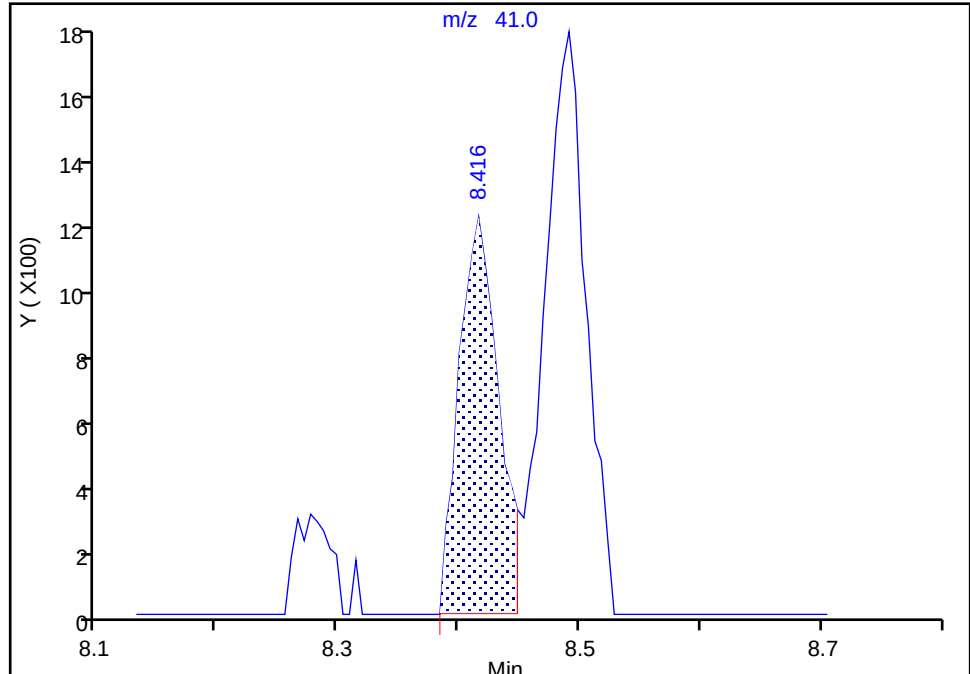
Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-07.D
Injection Date: 20-Mar-2025 19:57:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

25 Acetonitrile, CAS: 75-05-8

Signal: 1

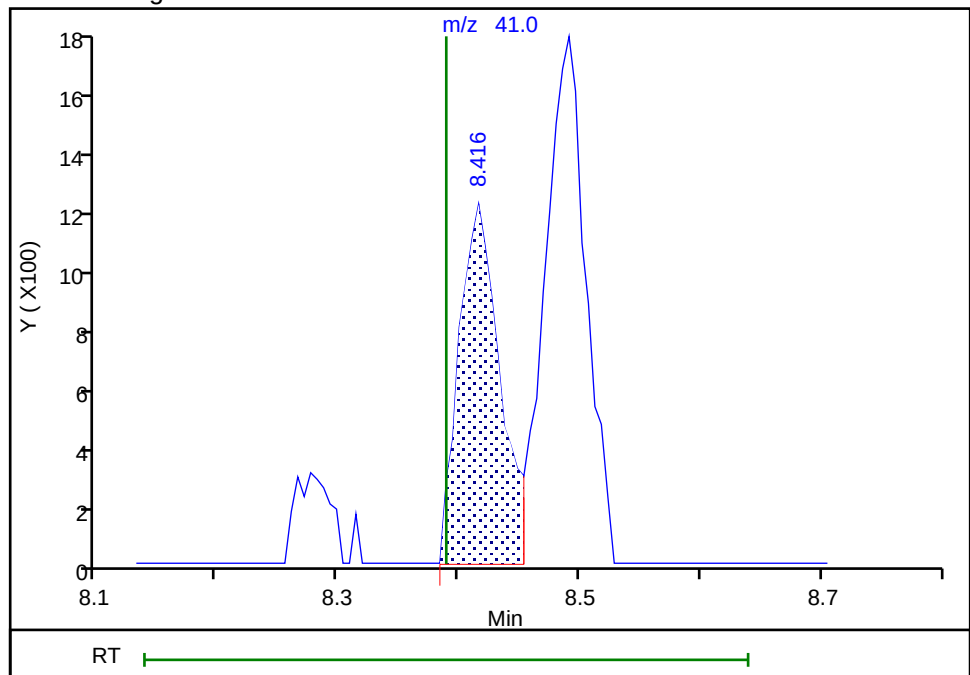
RT: 8.42
Area: 2720
Amount: 0.426341
Amount Units: ppb v/v

Processing Integration Results



RT: 8.42
Area: 2813
Amount: 0.450507
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 21-Mar-2025 10:09:09 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-08.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 20-Mar-2025 20:55:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-008
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 09:46:34 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: F7XK

Date: 21-Mar-2025 10:15:04

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	4.222	4.200	0.022	98	32225	4.24	4.15	
3 Dichlorodifluoromethane	85	4.318	4.318	0.000	99	98411	4.24	3.94	
4 Chlorodifluoromethane	51	4.361	4.361	0.000	97	63370	4.24	4.11	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.671	4.682	-0.011	94	108598	4.24	4.12	
6 Chloromethane	50	4.789	4.778	0.011	99	40272	4.24	4.13	
8 Butane	43	5.094	5.088	0.006	99	53797	4.24	4.04	
7 Vinyl chloride	62	5.089	5.099	-0.011	98	39477	4.24	4.37	
9 Butadiene	54	5.201	5.201	0.000	96	28070	4.24	4.64	
10 Bromomethane	94	5.902	5.886	0.016	99	30464	4.24	4.38	
12 Chloroethane	64	6.169	6.153	0.016	100	17894	4.24	4.30	
13 2-Methylbutane	43	6.372	6.378	-0.006	93	44666	4.24	4.30	
14 Vinyl bromide	106	6.581	6.570	0.011	99	34968	4.24	4.24	
15 Trichlorofluoromethane	101	6.747	6.752	-0.005	98	87721	4.24	4.36	
16 Pentane	43	6.945	6.945	0.000	99	64434	4.24	4.17	
17 Ethanol	45	7.186	7.218	-0.032	99	40006	8.49	8.38	
18 Ethyl ether	59	7.394	7.378	0.016	94	25563	4.24	4.51	
19 Acrolein	56	7.624	7.608	0.016	96	16108	4.97	4.81	
20 1,1-Dichloroethene	96	7.801	7.801	0.000	98	36600	4.24	4.63	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.838	7.843	-0.005	98	78023	4.24	4.38	
22 Acetone	43	7.919	7.961	-0.043	97	52883	4.24	4.48	
24 Carbon disulfide	76	8.202	8.197	0.005	99	108630	4.24	4.18	
23 Isopropyl alcohol	45	8.250	8.282	-0.032	100	71123	4.92	5.42	
25 Acetonitrile	41	8.400	8.389	0.011	99	27597	4.24	4.49	
27 3-Chloro-1-propene	41	8.491	8.416	0.075	96	41249	4.24	4.45	
28 Methylene Chloride	49	8.721	8.715	0.006	92	38829	4.24	4.42	
29 2-Methyl-2-propanol	59	9.047	8.999	0.048	94	68325	4.24	4.27	
30 Acrylonitrile	53	9.128	9.117	0.011	95	24081	4.24	4.36	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	98	47094	4.24	4.64	
31 Methyl tert-butyl ether	73	9.256	9.309	-0.053	97	92940	4.24	4.43	
S 33 1,2-Dichloroethene, Total	61				0		8.49	9.28	
34 Hexane	57	9.716	9.716	0.000	92	49550	4.24	4.51	

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	9.967	9.962	0.005	100	61118	4.24	4.63	
35 Vinyl acetate	43	9.994	10.005	-0.011	99	76274	4.83	4.84	
38 cis-1,2-Dichloroethene	96	10.957	10.957	0.000	90	37654	4.24	4.64	
37 2-Butanone (MEK)	72	10.957	11.005	-0.048	99	17486	4.24	3.85	
39 Ethyl acetate	88	11.037	11.021	0.016	99	2841	4.24	4.08	
* 40 Chlorobromomethane	128	11.358	11.358	0.000	87	64090	10.0	10.0	
41 Tetrahydrofuran	42	11.444	11.487	-0.043	91	35981	4.24	4.47	
42 Chloroform	83	11.535	11.545	-0.010	96	70818	4.24	4.44	
43 1,1,1-Trichloroethane	97	11.840	11.829	0.011	95	70575	4.24	4.34	
44 Cyclohexane	84	11.974	11.973	0.001	98	44994	4.24	4.37	
45 Carbon tetrachloride	117	12.118	12.113	0.005	98	75308	4.24	4.52	
46 Benzene	78	12.460	12.450	0.010	95	107174	4.24	4.31	
47 1,2-Dichloroethane	62	12.530	12.525	0.005	98	44135	4.24	4.46	
48 Isooctane	57	12.674	12.669	0.005	99	159799	4.24	4.45	
49 n-Heptane	43	12.979	12.985	-0.006	90	54897	4.24	4.51	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	305060	10.0	10.0	
51 n-Butanol	56	13.477	13.461	0.016	87	24681	4.24	4.07	
52 Trichloroethene	95	13.621	13.616	0.005	98	48070	4.24	4.51	
55 1,2-Dichloropropane	63	14.065	14.065	0.000	93	40681	4.24	4.47	
56 Methyl methacrylate	69	14.172	14.167	0.005	99	36328	4.24	4.23	
58 Dibromomethane	174	14.226	14.220	0.006	94	50353	4.24	4.31	
57 1,4-Dioxane	88	14.285	14.236	0.049	92	24595	4.24	4.77	
59 Dichlorobromomethane	83	14.536	14.531	0.005	98	76195	4.24	4.41	
60 cis-1,3-Dichloropropene	75	15.333	15.328	0.005	91	66704	4.24	4.34	
62 4-Methyl-2-pentanone (MIBK)	43	15.638	15.675	-0.037	95	75910	4.24	4.38	
63 Toluene	92	15.970	15.964	0.006	93	76850	4.24	4.07	
A 64 Toluene Range	1	15.970	(15.943-15.991)	0	298774	NC	NC		
66 n-Octane	43	16.221	16.221	0.000	91	74370	4.24	4.54	
A 65 C8 Range	1	16.221	(16.189-16.253)	0	286540	NC	NC		
67 trans-1,3-Dichloropropene	75	16.382	16.382	0.000	96	52935	4.24	4.38	
68 1,1,2-Trichloroethane	83	16.756	16.751	0.005	96	39652	4.24	4.10	
69 Tetrachloroethene	166	16.960	16.954	0.006	98	71487	4.24	4.12	
70 2-Hexanone	43	17.206	17.221	-0.015	96	67572	4.24	4.03	
71 Chlorodibromomethane	129	17.489	17.484	0.005	98	85380	4.24	4.06	
72 Ethylene Dibromide	107	17.725	17.724	0.000	99	73947	4.24	4.07	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	229145	10.0	10.0	
74 Chlorobenzene	112	18.693	18.698	-0.005	96	110080	4.24	3.97	
75 Ethylbenzene	91	18.885	18.880	0.005	98	170286	4.24	4.02	
76 m-Xylene & p-Xylene	106	19.148	19.142	0.006	0	135791	8.49	8.20	
77 n-Nonane	57	19.212	19.217	-0.005	87	74109	4.24	4.25	
S 78 Xylenes, Total	106				0		12.7	12.3	
79 o-Xylene	106	19.918	19.918	0.000	98	64648	4.24	4.09	
80 Styrene	104	19.955	19.955	0.000	98	103844	4.24	4.18	
81 Bromoform	173	20.303	20.303	0.000	98	88249	4.24	4.03	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	198176	4.24	4.12	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	98	108450	4.24	4.11	
84 1,2,3-Trichloropropane	75	21.245	21.250	-0.005	98	80978	4.24	4.01	
85 N-Propylbenzene	91	21.352	21.351	0.001	99	241258	4.24	4.12	
86 2-Chlorotoluene	91	21.501	21.501	0.000	96	145935	4.24	4.01	
87 4-Ethyltoluene	105	21.550	21.555	-0.005	99	201089	4.24	4.17	
88 1,3,5-Trimethylbenzene	105	21.646	21.651	-0.005	94	170973	4.24	4.15	
89 n-Decane	57	21.678	21.678	0.000	90	109664	4.24	4.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.978	21.977	0.001	91	86849	4.24	4.15	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	173240	4.24	4.15	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	97	175687	4.24	4.22	
93 sec-Butylbenzene	105	22.454	22.454	0.000	99	264687	4.24	4.21	
94 1,3-Dichlorobenzene	146	22.630	22.625	0.005	96	123494	4.24	4.08	
95 4-Isopropyltoluene	119	22.673	22.673	0.000	98	226361	4.24	4.16	
96 1,4-Dichlorobenzene	146	22.769	22.774	-0.005	97	118964	4.24	4.03	
97 Benzyl chloride	91	22.914	22.914	0.000	99	143074	4.24	4.20	
98 n-Butylbenzene	91	23.224	23.224	0.000	98	207141	4.24	4.27	
99 1,2-Dichlorobenzene	146	23.256	23.256	0.000	98	123348	4.24	4.13	
100 Undecane	57	23.368	23.374	-0.006	95	126919	4.24	4.06	
101 Dodecane	57	24.915	24.920	-0.006	98	122048	4.24	3.96	
102 1,2,4-Trichlorobenzene	180	25.637	25.637	0.000	94	97623	4.98	4.41	
103 Hexachlorobutadiene	225	25.883	25.877	0.006	97	119634	4.77	4.53	
104 Naphthalene	128	26.102	26.107	-0.005	99	219044	5.05	4.86	
105 1,2,3-Trichlorobenzene	180	26.509	26.509	0.000	93	99665	4.94	4.33	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL3w_00284

Amount Added: 170.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2025 09:46:34

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-08.D

Injection Date: 20-Mar-2025 20:55:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

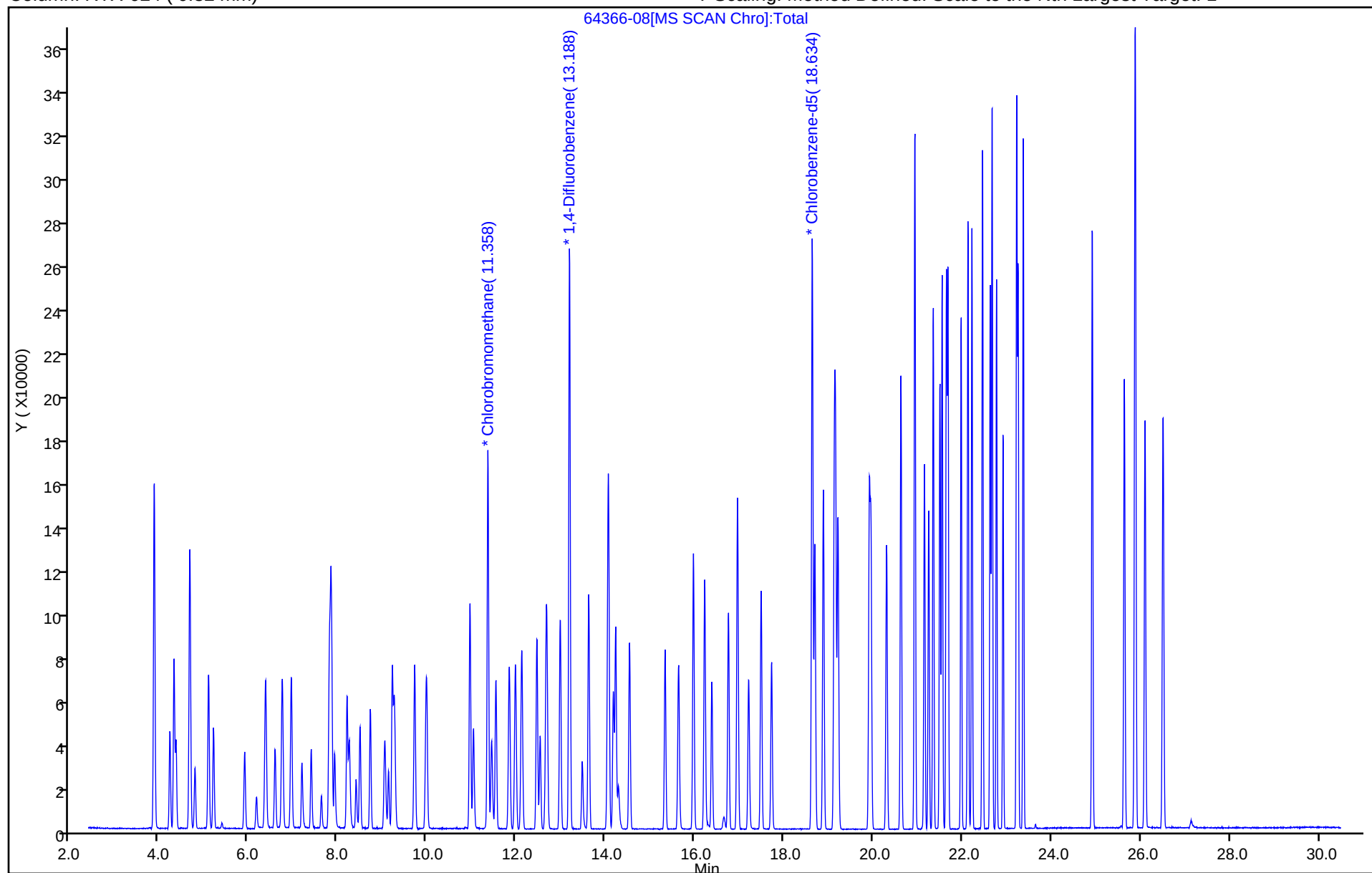
ALS Bottle#: 8

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\20250320-64366.b\64366-09.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 20-Mar-2025 21:54:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-009
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 09:46:37 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: BKZ7

Date: 21-Mar-2025 07:36:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.227	4.227	0.000	98	78030	10.0	9.90	
3 Dichlorodifluoromethane	85	4.318	4.318	0.000	99	258969	10.0	10.2	
4 Chlorodifluoromethane	51	4.361	4.361	0.000	97	154562	10.0	9.86	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.671	4.671	0.000	96	279250	10.0	10.4	
6 Chloromethane	50	4.789	4.789	0.000	99	99051	10.0	10.0	
8 Butane	43	5.094	5.094	0.000	99	139383	10.0	10.3	
7 Vinyl chloride	62	5.088	5.088	0.000	98	97449	10.0	10.6	
9 Butadiene	54	5.206	5.206	0.000	95	70598	10.0	11.5	
10 Bromomethane	94	5.902	5.902	0.000	99	73564	10.0	10.4	
12 Chloroethane	64	6.169	6.169	0.000	100	43153	10.0	10.2	
13 2-Methylbutane	43	6.372	6.372	0.000	94	108193	10.0	10.2	
14 Vinyl bromide	106	6.586	6.586	0.000	99	86995	10.0	10.4	
15 Trichlorofluoromethane	101	6.747	6.747	0.000	99	213366	10.0	10.4	
16 Pentane	43	6.950	6.950	0.000	98	162241	10.0	10.3	
17 Ethanol	45	7.175	7.175	0.000	99	70694	15.0	14.6	
18 Ethyl ether	59	7.384	7.384	0.000	94	64043	10.0	11.1	
19 Acrolein	56	7.614	7.614	0.000	95	40964	11.7	12.0	
20 1,1-Dichloroethene	96	7.801	7.801	0.000	97	90125	10.0	11.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.844	7.844	0.000	99	187849	10.0	10.4	
22 Acetone	43	7.902	7.902	0.000	97	124611	10.0	10.4	
24 Carbon disulfide	76	8.202	8.202	0.000	99	259388	10.0	9.82	
23 Isopropyl alcohol	45	8.229	8.229	0.000	100	160246	11.6	12.0	
25 Acetonitrile	41	8.395	8.395	0.000	99	65094	10.0	10.4	
27 3-Chloro-1-propene	41	8.491	8.491	0.000	96	98924	10.0	10.5	
28 Methylene Chloride	49	8.721	8.721	0.000	92	91789	10.0	10.3	
29 2-Methyl-2-propanol	59	9.010	9.010	0.000	94	164675	10.0	10.1	
30 Acrylonitrile	53	9.122	9.122	0.000	96	58410	10.0	10.4	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	98	113667	10.0	11.0	
31 Methyl tert-butyl ether	73	9.245	9.245	0.000	97	226622	10.0	10.6	
S 33 1,2-Dichloroethene, Total	61				0		20.0	22.1	
34 Hexane	57	9.716	9.716	0.000	91	120461	10.0	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
36 1,1-Dichloroethane	63	9.967	9.967	0.000	100	145002	10.0	10.8	
35 Vinyl acetate	43	9.983	9.983	0.000	100	192026	11.4	12.0	
38 cis-1,2-Dichloroethene	96	10.957	10.957	0.000	92	91312	10.0	11.1	
37 2-Butanone (MEK)	72	10.946	10.946	0.000	99	41643	10.0	9.03	
39 Ethyl acetate	88	11.027	11.027	0.000	99	7284	10.0	10.3	
* 40 Chlorobromomethane	128	11.364	11.364	0.000	84	65117	10.0	10.0	
41 Tetrahydrofuran	42	11.428	11.428	0.000	93	83694	10.0	10.3	
42 Chloroform	83	11.540	11.540	0.000	95	170422	10.0	10.5	
43 1,1,1-Trichloroethane	97	11.840	11.840	0.000	95	172840	10.0	10.5	
44 Cyclohexane	84	11.979	11.979	0.000	98	111867	10.0	10.8	
45 Carbon tetrachloride	117	12.118	12.118	0.000	98	183442	10.0	10.9	
46 Benzene	78	12.455	12.455	0.000	95	259723	10.0	10.4	
47 1,2-Dichloroethane	62	12.530	12.530	0.000	97	105488	10.0	10.6	
48 Isooctane	57	12.674	12.674	0.000	99	393029	10.0	10.9	
49 n-Heptane	43	12.979	12.979	0.000	91	134071	10.0	10.9	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	307535	10.0	10.0	
51 n-Butanol	56	13.466	13.466	0.000	86	60701	10.0	9.93	
52 Trichloroethene	95	13.621	13.621	0.000	98	115748	10.0	10.8	
55 1,2-Dichloropropane	63	14.065	14.065	0.000	93	96606	10.0	10.5	
56 Methyl methacrylate	69	14.167	14.167	0.000	100	89197	10.0	10.3	
58 Dibromomethane	174	14.226	14.226	0.000	94	123794	10.0	10.5	
57 1,4-Dioxane	88	14.242	14.242	0.000	91	58123	10.0	11.2	
59 Dichlorobromomethane	83	14.536	14.536	0.000	98	185071	10.0	10.6	
60 cis-1,3-Dichloropropene	75	15.333	15.333	0.000	90	167045	10.0	10.8	
62 4-Methyl-2-pentanone (MIBK)	43	15.617	15.617	0.000	95	179662	10.0	10.3	
63 Toluene	92	15.970	15.970	0.000	93	191401	10.0	9.96	
A 64 Toluene Range	1	15.975	(15.906-16.045)	0	742427	NC	NC		
66 n-Octane	43	16.221	16.221	0.000	90	185356	10.0	11.2	
A 65 C8 Range	1	16.259	(16.157-16.371)	0	731781	NC	NC		
67 trans-1,3-Dichloropropene	75	16.382	16.382	0.000	95	134643	10.0	11.1	
68 1,1,2-Trichloroethane	83	16.756	16.756	0.000	96	96001	10.0	9.75	
69 Tetrachloroethene	166	16.959	16.959	0.000	98	178273	10.0	10.1	
70 2-Hexanone	43	17.200	17.200	0.000	96	164156	10.0	9.63	
71 Chlorodibromomethane	129	17.489	17.489	0.000	98	216152	10.0	10.1	
72 Ethylene Dibromide	107	17.719	17.719	0.000	99	185818	10.0	10.1	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	233033	10.0	10.0	
74 Chlorobenzene	112	18.693	18.693	0.000	97	275597	10.0	9.77	
75 Ethylbenzene	91	18.885	18.885	0.000	98	432629	10.0	10.0	
76 m-Xylene & p-Xylene	106	19.148	19.148	0.000	0	344605	20.0	20.5	
77 n-Nonane	57	19.212	19.212	0.000	88	192085	10.0	10.8	
S 78 Xylenes, Total	106				0		30.0	30.7	
79 o-Xylene	106	19.918	19.918	0.000	99	164947	10.0	10.3	
80 Styrene	104	19.950	19.950	0.000	98	266357	10.0	10.5	
81 Bromoform	173	20.303	20.303	0.000	99	231173	10.0	10.4	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	506003	10.0	10.3	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	98	263671	10.0	9.82	
84 1,2,3-Trichloropropane	75	21.250	21.250	0.000	98	199804	10.0	9.74	
85 N-Propylbenzene	91	21.352	21.352	0.000	100	608126	10.0	10.2	
86 2-Chlorotoluene	91	21.496	21.496	0.000	96	371994	10.0	10.0	
87 4-Ethyltoluene	105	21.550	21.550	0.000	98	503073	10.0	10.3	
88 1,3,5-Trimethylbenzene	105	21.646	21.646	0.000	94	424555	10.0	10.1	
89 n-Decane	57	21.678	21.678	0.000	92	266364	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
90 Alpha Methyl Styrene	118	21.978	21.978	0.000	92	227768	10.0	10.7	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	429490	10.0	10.1	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	98	432549	10.0	10.2	
93 sec-Butylbenzene	105	22.454	22.454	0.000	99	654239	10.0	10.2	
94 1,3-Dichlorobenzene	146	22.630	22.630	0.000	96	313340	10.0	10.2	
95 4-Isopropyltoluene	119	22.668	22.668	0.000	98	570758	10.0	10.3	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	97	305735	10.0	10.2	
97 Benzyl chloride	91	22.914	22.914	0.000	99	369189	10.0	10.7	
98 n-Butylbenzene	91	23.224	23.224	0.000	98	521483	10.0	10.6	
99 1,2-Dichlorobenzene	146	23.256	23.256	0.000	98	305153	10.0	10.1	
100 Undecane	57	23.368	23.368	0.000	94	309693	10.0	9.74	
101 Dodecane	57	24.914	24.914	0.000	98	292829	10.0	9.34	
102 1,2,4-Trichlorobenzene	180	25.637	25.637	0.000	93	254453	11.7	11.3	
103 Hexachlorobutadiene	225	25.883	25.883	0.000	96	301621	11.2	11.2	
104 Naphthalene	128	26.102	26.102	0.000	99	517099	11.9	11.3	
105 1,2,3-Trichlorobenzene	180	26.503	26.503	0.000	95	255109	11.6	10.9	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00832

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2025 09:46:38

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-09.D

Injection Date: 20-Mar-2025 21:54:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: icis

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

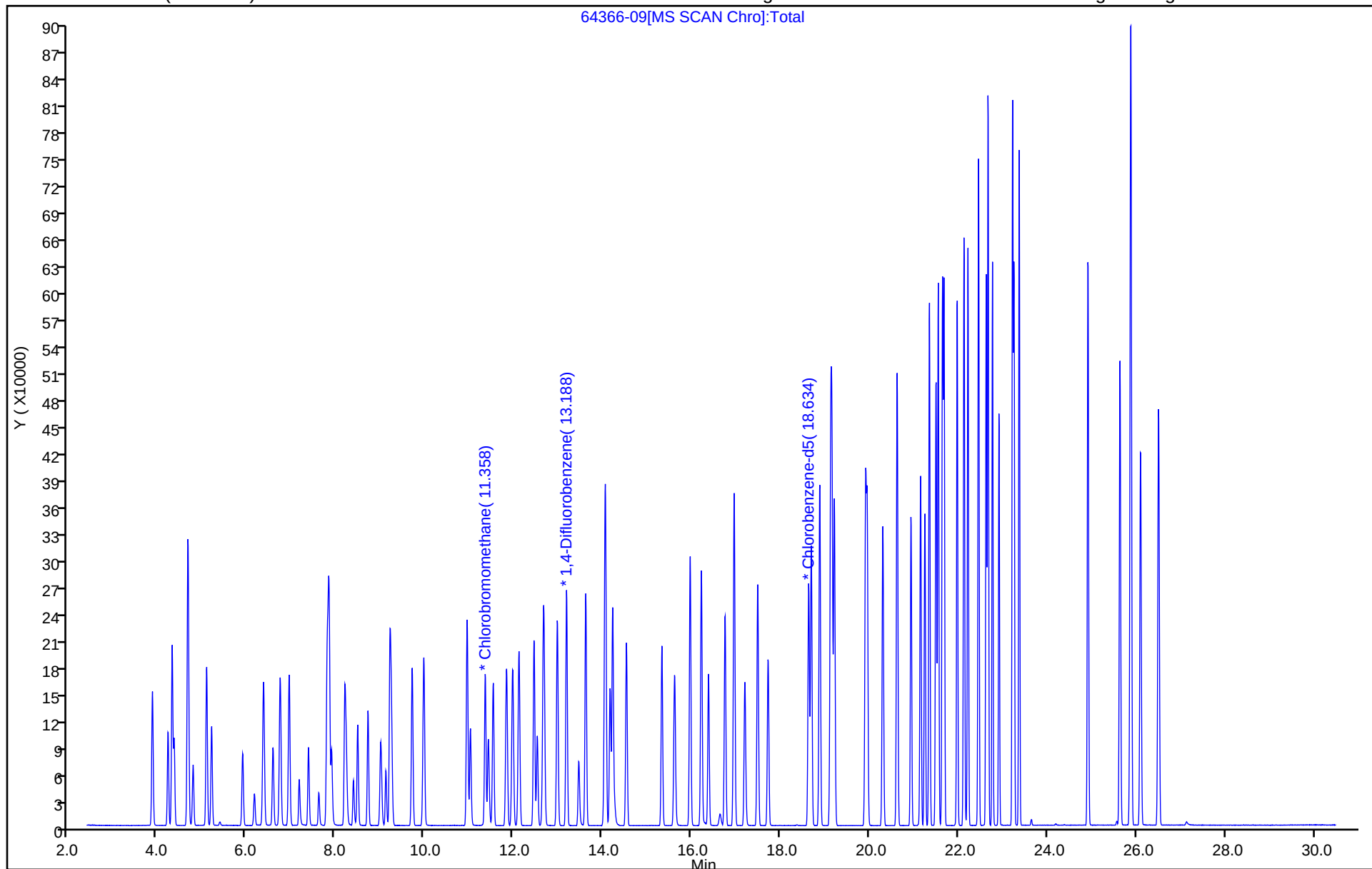
ALS Bottle#: 9

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\20250320-64366.b\64366-10.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 20-Mar-2025 22:52:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-010
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 09:46:41 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: F7XK

Date: 21-Mar-2025 10:46:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.232	4.227	0.005	98	134970	15.0	16.7	
3 Dichlorodifluoromethane	85	4.323	4.318	0.005	99	399046	15.0	15.3	
4 Chlorodifluoromethane	51	4.366	4.361	0.005	97	250358	15.0	15.6	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.676	4.671	0.005	96	445091	15.0	16.2	
6 Chloromethane	50	4.794	4.789	0.005	99	157836	15.0	15.6	
7 Vinyl chloride	62	5.099	5.088	0.011	98	154638	15.0	16.4	
8 Butane	43	5.099	5.094	0.005	99	213871	15.0	15.4	
9 Butadiene	54	5.211	5.206	0.005	95	110668	15.0	17.6	
10 Bromomethane	94	5.907	5.902	0.005	99	110898	15.0	15.3	
12 Chloroethane	64	6.174	6.169	0.005	99	66247	15.0	15.3	
13 2-Methylbutane	43	6.378	6.372	0.006	93	164089	15.0	15.2	
14 Vinyl bromide	106	6.592	6.586	0.006	99	134317	15.0	15.7	
15 Trichlorofluoromethane	101	6.752	6.747	0.005	98	321990	15.0	15.4	
16 Pentane	43	6.955	6.950	0.005	98	240589	15.0	15.0	
17 Ethanol	45	7.169	7.175	-0.006	98	93979	20.0	18.9	
18 Ethyl ether	59	7.378	7.384	-0.006	95	96169	15.0	16.3	
19 Acrolein	56	7.613	7.614	-0.001	95	61537	17.6	17.7	
20 1,1-Dichloroethene	96	7.806	7.801	0.005	98	135518	15.0	16.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.844	7.844	0.000	99	285346	15.0	15.4	
22 Acetone	43	7.897	7.902	-0.005	97	180747	15.0	14.7	
24 Carbon disulfide	76	8.202	8.202	0.000	99	386688	15.0	14.3	
23 Isopropyl alcohol	45	8.223	8.229	-0.006	99	232239	17.4	17.0	
25 Acetonitrile	41	8.395	8.395	0.000	99	94099	15.0	14.7	
27 3-Chloro-1-propene	41	8.491	8.491	0.000	96	145973	15.0	15.1	
28 Methylene Chloride	49	8.726	8.721	0.005	91	133514	15.0	14.6	
29 2-Methyl-2-propanol	59	8.988	9.010	-0.022	93	255142	15.0	15.3	
30 Acrylonitrile	53	9.122	9.122	0.000	96	85980	15.0	14.9	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	98	168414	15.0	15.9	
31 Methyl tert-butyl ether	73	9.240	9.245	-0.005	97	329815	15.0	15.1	
S 33 1,2-Dichloroethene, Total	61				0		30.0	32.0	
34 Hexane	57	9.716	9.716	0.000	91	177977	15.0	15.6	

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	9.967	9.967	0.000	100	213576	15.0	15.5	
35 Vinyl acetate	43	9.983	9.983	0.000	100	282454	17.1	17.2	
37 2-Butanone (MEK)	72	10.941	10.946	-0.005	99	60334	15.0	12.8	
38 cis-1,2-Dichloroethene	96	10.957	10.957	0.000	91	135482	15.0	16.0	
39 Ethyl acetate	88	11.027	11.027	0.000	99	10589	15.0	14.6	
* 40 Chlorobromomethane	128	11.364	11.364	0.000	84	66727	10.0	10.0	
41 Tetrahydrofuran	42	11.422	11.428	-0.006	90	121161	15.0	14.6	
42 Chloroform	83	11.540	11.540	0.000	95	253157	15.0	15.2	
43 1,1,1-Trichloroethane	97	11.840	11.840	0.000	95	258750	15.0	15.4	
44 Cyclohexane	84	11.979	11.979	0.000	97	168212	15.0	15.8	
45 Carbon tetrachloride	117	12.118	12.118	0.000	98	276009	15.0	16.1	
46 Benzene	78	12.460	12.455	0.005	95	389049	15.0	15.1	
47 1,2-Dichloroethane	62	12.530	12.530	0.000	97	157608	15.0	15.4	
48 Isooctane	57	12.674	12.674	0.000	99	585408	15.0	15.8	
49 n-Heptane	43	12.979	12.979	0.000	90	198348	15.0	15.8	
* 50 1,4-Difluorobenzene	114	13.193	13.188	0.005	93	314837	10.0	10.0	
51 n-Butanol	56	13.461	13.466	-0.005	86	95737	15.0	15.3	
52 Trichloroethene	95	13.621	13.621	0.000	97	174419	15.0	15.9	
55 1,2-Dichloropropane	63	14.071	14.065	0.006	93	142767	15.0	15.2	
56 Methyl methacrylate	69	14.167	14.167	0.000	99	134975	15.0	15.2	
58 Dibromomethane	174	14.226	14.226	0.000	94	188175	15.0	15.6	
57 1,4-Dioxane	88	14.231	14.242	-0.011	91	89692	15.0	16.9	
59 Dichlorobromomethane	83	14.536	14.536	0.000	98	280165	15.0	15.7	
60 cis-1,3-Dichloropropene	75	15.333	15.333	0.000	90	252603	15.0	15.9	
62 4-Methyl-2-pentanone (MIBK)	43	15.611	15.617	-0.006	95	275206	15.0	15.4	
63 Toluene	92	15.970	15.970	0.000	93	289823	15.0	15.3	
A 64 Toluene Range	1	15.975	(15.906-16.045)	0	1119023	NC	NC		
66 n-Octane	43	16.221	16.221	0.000	90	276649	15.0	16.4	
A 65 C8 Range	1	16.264	(16.157-16.371)	0	1095495	NC	NC		
67 trans-1,3-Dichloropropene	75	16.382	16.382	0.000	95	203007	15.0	16.3	
68 1,1,2-Trichloroethane	83	16.756	16.756	0.000	95	143126	15.0	14.7	
69 Tetrachloroethene	166	16.959	16.959	0.000	98	270985	15.0	15.6	
70 2-Hexanone	43	17.195	17.200	-0.005	96	256372	15.0	15.2	
71 Chlorodibromomethane	129	17.489	17.489	0.000	98	324854	15.0	15.4	
72 Ethylene Dibromide	107	17.724	17.719	0.005	99	278974	15.0	15.3	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	230259	10.0	10.0	
74 Chlorobenzene	112	18.693	18.693	0.000	97	413443	15.0	14.8	
75 Ethylbenzene	91	18.885	18.885	0.000	97	643280	15.0	15.1	
76 m-Xylene & p-Xylene	106	19.142	19.148	-0.006	0	510878	30.0	30.7	
77 n-Nonane	57	19.212	19.212	0.000	88	285936	15.0	16.3	
S 78 Xylenes, Total	106				0		45.0	46.3	
79 o-Xylene	106	19.918	19.918	0.000	99	247256	15.0	15.6	
80 Styrene	104	19.950	19.950	0.000	97	399132	15.0	16.0	
81 Bromoform	173	20.303	20.303	0.000	99	343814	15.0	15.6	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	752353	15.0	15.6	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	98	390571	15.0	14.7	
84 1,2,3-Trichloropropane	75	21.250	21.250	0.000	98	297899	15.0	14.7	
85 N-Propylbenzene	91	21.352	21.352	0.000	100	912704	15.0	15.5	
86 2-Chlorotoluene	91	21.501	21.496	0.005	96	551479	15.0	15.1	
87 4-Ethyltoluene	105	21.549	21.550	-0.001	98	756824	15.0	15.6	
88 1,3,5-Trimethylbenzene	105	21.646	21.646	0.000	94	639170	15.0	15.4	
89 n-Decane	57	21.678	21.678	0.000	91	390699	15.0	15.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.977	21.978	-0.001	91	349315	15.0	16.6	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	644257	15.0	15.4	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	97	648201	15.0	15.5	
93 sec-Butylbenzene	105	22.459	22.454	0.005	99	975916	15.0	15.4	
94 1,3-Dichlorobenzene	146	22.630	22.630	0.000	96	473102	15.0	15.6	
95 4-Isopropyltoluene	119	22.673	22.668	0.005	98	864740	15.0	15.8	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	96	468003	15.0	15.8	
97 Benzyl chloride	91	22.914	22.914	0.000	100	571915	15.0	16.7	
98 n-Butylbenzene	91	23.224	23.224	0.000	98	795316	15.0	16.3	
99 1,2-Dichlorobenzene	146	23.256	23.256	0.000	98	458777	15.0	15.3	
100 Undecane	57	23.368	23.368	0.000	94	469515	15.0	14.9	
101 Dodecane	57	24.920	24.914	0.006	98	454100	15.0	14.7	
102 1,2,4-Trichlorobenzene	180	25.637	25.637	0.000	94	432586	17.6	19.4	
103 Hexachlorobutadiene	225	25.883	25.883	0.000	96	461323	16.9	17.4	
104 Naphthalene	128	26.102	26.102	0.000	99	939023	17.8	20.7	
105 1,2,3-Trichlorobenzene	180	26.509	26.503	0.006	96	437030	17.5	18.9	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL5w_00151

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2025 09:46:41

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-10.D

Injection Date: 20-Mar-2025 22:52:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

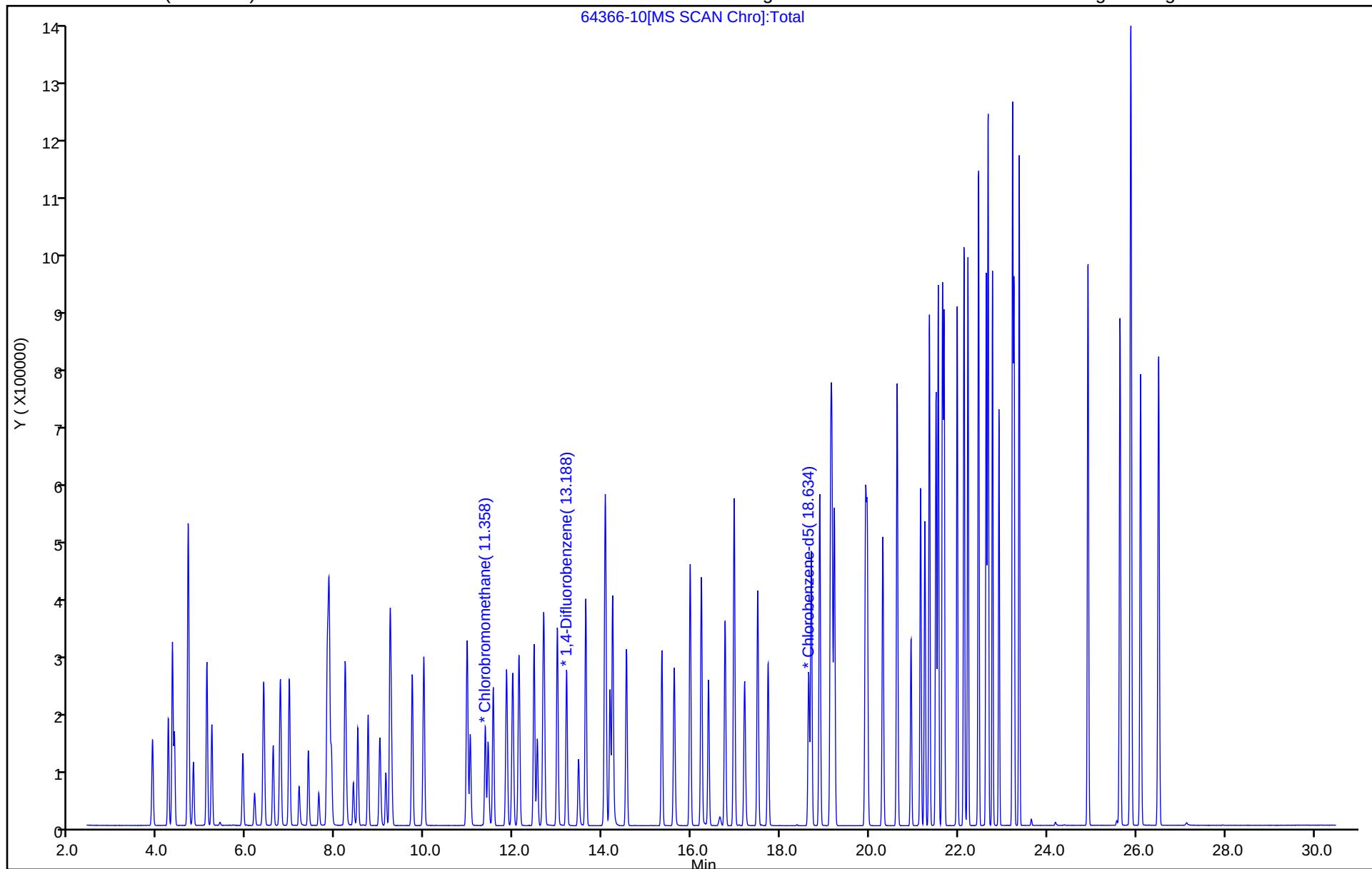
ALS Bottle#: 10

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\20250320-64366.b\64366-13.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 21-Mar-2025 01:48:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-013
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 09:46:44 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: F7XK

Date: 21-Mar-2025 14:20:10

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	4.227	4.227	0.000	97	143227	20.0	17.7	
3 Dichlorodifluoromethane	85	4.323	4.318	0.005	99	532725	20.0	20.4	
4 Chlorodifluoromethane	51	4.366	4.361	0.005	97	318477	20.0	19.8	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.677	4.671	0.006	96	574176	20.0	20.8	
6 Chloromethane	50	4.789	4.789	0.000	99	203772	20.0	20.0	
7 Vinyl chloride	62	5.094	5.088	0.006	97	203056	20.0	21.5	
8 Butane	43	5.094	5.094	0.000	99	280485	20.0	20.2	
9 Butadiene	54	5.206	5.206	0.000	94	146054	20.0	23.1	
10 Bromomethane	94	5.907	5.902	0.005	99	147360	20.0	20.3	
12 Chloroethane	64	6.169	6.169	0.000	99	88835	20.0	20.4	
13 2-Methylbutane	43	6.378	6.372	0.006	94	221136	20.0	20.4	
14 Vinyl bromide	106	6.586	6.586	0.000	99	182824	20.0	21.3	
15 Trichlorofluoromethane	101	6.747	6.747	0.000	99	435896	20.0	20.8	
16 Pentane	43	6.950	6.950	0.000	98	325919	20.0	20.2	
17 Ethanol	45	7.164	7.175	-0.011	98	193357	40.0	38.8	
18 Ethyl ether	59	7.378	7.384	-0.006	95	130597	20.0	22.0	
19 Acrolein	56	7.614	7.614	0.000	95	83451	23.4	23.9	
20 1,1-Dichloroethene	96	7.806	7.801	0.005	98	185390	20.0	22.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.844	7.844	0.000	99	383362	20.0	20.6	
22 Acetone	43	7.892	7.902	-0.010	97	246164	20.0	20.0	
24 Carbon disulfide	76	8.202	8.202	0.000	99	525054	20.0	19.4	
23 Isopropyl alcohol	45	8.218	8.229	-0.011	99	315742	23.2	23.1	
25 Acetonitrile	41	8.389	8.395	-0.006	100	127752	20.0	19.9	
27 3-Chloro-1-propene	41	8.491	8.491	0.000	96	196601	20.0	20.3	
28 Methylene Chloride	49	8.721	8.721	0.000	91	180146	20.0	19.6	
29 2-Methyl-2-propanol	59	8.978	9.010	-0.032	93	341522	20.0	20.4	
30 Acrylonitrile	53	9.122	9.122	0.000	95	115854	20.0	20.1	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	98	229510	20.0	21.6	
31 Methyl tert-butyl ether	73	9.234	9.245	-0.011	97	459768	20.0	21.0	
S 33 1,2-Dichloroethene, Total	61				0		40.0	43.5	
34 Hexane	57	9.716	9.716	0.000	91	241216	20.0	21.0	

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	9.967	9.967	0.000	100	287828	20.0	20.9	
35 Vinyl acetate	43	9.983	9.983	0.000	100	376733	22.8	22.9	
37 2-Butanone (MEK)	72	10.936	10.946	-0.010	99	84761	20.0	17.9	
38 cis-1,2-Dichloroethene	96	10.957	10.957	0.000	91	185232	20.0	21.9	
39 Ethyl acetate	88	11.021	11.027	-0.006	99	14897	20.0	20.5	
* 40 Chlorobromomethane	128	11.358	11.364	-0.006	84	66912	10.0	10.0	
41 Tetrahydrofuran	42	11.417	11.428	-0.011	90	166297	20.0	20.1	
42 Chloroform	83	11.540	11.540	0.000	95	341479	20.0	20.5	
43 1,1,1-Trichloroethane	97	11.840	11.840	0.000	95	347693	20.0	20.8	
44 Cyclohexane	84	11.979	11.979	0.000	97	228889	20.0	21.6	
45 Carbon tetrachloride	117	12.118	12.118	0.000	97	373827	20.0	21.9	
46 Benzene	78	12.460	12.455	0.005	95	525574	20.0	20.6	
47 1,2-Dichloroethane	62	12.530	12.530	0.000	97	210977	20.0	20.7	
48 Isooctane	57	12.674	12.674	0.000	99	790633	20.0	21.4	
49 n-Heptane	43	12.979	12.979	0.000	90	267935	20.0	21.4	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	313413	10.0	10.0	
51 n-Butanol	56	13.455	13.466	-0.011	85	129217	20.0	20.7	
52 Trichloroethene	95	13.621	13.621	0.000	97	237424	20.0	21.7	
55 1,2-Dichloropropane	63	14.065	14.065	0.000	94	192565	20.0	20.6	
56 Methyl methacrylate	69	14.167	14.167	0.000	99	185231	20.0	21.0	
58 Dibromomethane	174	14.226	14.226	0.000	93	255812	20.0	21.3	
57 1,4-Dioxane	88	14.220	14.242	-0.022	89	118048	20.0	22.3	
59 Dichlorobromomethane	83	14.536	14.536	0.000	98	381396	20.0	21.5	
60 cis-1,3-Dichloropropene	75	15.333	15.333	0.000	90	345325	20.0	21.9	
62 4-Methyl-2-pentanone (MIBK)	43	15.606	15.617	-0.011	95	366731	20.0	20.6	
63 Toluene	92	15.970	15.970	0.000	93	393958	20.0	23.5	
A 64 Toluene Range	1	15.975	(15.906-16.045)	0	1511169	NC	NC		
66 n-Octane	43	16.221	16.221	0.000	90	367454	20.0	21.8	
A 65 C8 Range	1	16.264	(16.157-16.371)	0	1472602	NC	NC		
67 trans-1,3-Dichloropropene	75	16.382	16.382	0.000	95	277702	20.0	22.4	
68 1,1,2-Trichloroethane	83	16.756	16.756	0.000	95	195913	20.0	22.8	
69 Tetrachloroethene	166	16.959	16.959	0.000	97	372970	20.0	24.2	
70 2-Hexanone	43	17.189	17.200	-0.011	96	347000	20.0	23.3	
71 Chlorodibromomethane	129	17.489	17.489	0.000	98	450514	20.0	24.1	
72 Ethylene Dibromide	107	17.724	17.719	0.005	99	383011	20.0	23.7	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	203667	10.0	10.0	
74 Chlorobenzene	112	18.693	18.693	0.000	97	570774	20.0	23.1	
75 Ethylbenzene	91	18.885	18.885	0.000	97	887622	20.0	23.6	
76 m-Xylene & p-Xylene	106	19.142	19.148	-0.006	0	706233	40.0	48.0	
77 n-Nonane	57	19.212	19.212	0.000	86	391697	20.0	25.3	
S 78 Xylenes, Total	106				0		60.0	72.4	
79 o-Xylene	106	19.918	19.918	0.000	99	343074	20.0	24.4	
80 Styrene	104	19.955	19.950	0.005	98	552508	20.0	25.0	
81 Bromoform	173	20.303	20.303	0.000	99	486397	20.0	25.0	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	1046501	20.0	24.5	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	98	543252	20.0	23.1	
84 1,2,3-Trichloropropane	75	21.250	21.250	0.000	98	413744	20.0	23.1	
85 N-Propylbenzene	91	21.352	21.352	0.000	100	1264510	20.0	24.3	
86 2-Chlorotoluene	91	21.501	21.496	0.005	96	771971	20.0	23.8	
87 4-Ethyltoluene	105	21.550	21.550	0.000	98	1050165	20.0	24.5	
88 1,3,5-Trimethylbenzene	105	21.646	21.646	0.000	94	889473	20.0	24.3	
89 n-Decane	57	21.678	21.678	0.000	92	540783	20.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.977	21.978	-0.001	91	488551	20.0	26.3	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	893905	20.0	24.1	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	97	899665	20.0	24.3	
93 sec-Butylbenzene	105	22.454	22.454	0.000	99	1352378	20.0	24.2	
94 1,3-Dichlorobenzene	146	22.630	22.630	0.000	96	660529	20.0	24.6	
95 4-Isopropyltoluene	119	22.668	22.668	0.000	98	1204652	20.0	24.9	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	96	652595	20.0	24.9	
97 Benzyl chloride	91	22.914	22.914	0.000	100	803781	20.0	26.5	
98 n-Butylbenzene	91	23.219	23.224	-0.005	98	1099612	20.0	25.5	
99 1,2-Dichlorobenzene	146	23.256	23.256	0.000	98	642493	20.0	24.2	
100 Undecane	57	23.368	23.368	0.000	93	646370	20.0	23.3	
101 Dodecane	57	24.914	24.914	0.000	98	656067	20.0	23.9	
102 1,2,4-Trichlorobenzene	180	25.637	25.637	0.000	94	620513	23.5	31.5	
103 Hexachlorobutadiene	225	25.877	25.883	-0.006	96	649091	22.5	27.6	
104 Naphthalene	128	26.102	26.102	0.000	99	1361107	23.8	34.0	
105 1,2,3-Trichlorobenzene	180	26.503	26.503	0.000	95	618140	23.3	30.2	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00240

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2025 09:46:44

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-13.D

Injection Date: 21-Mar-2025 01:48:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 13

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

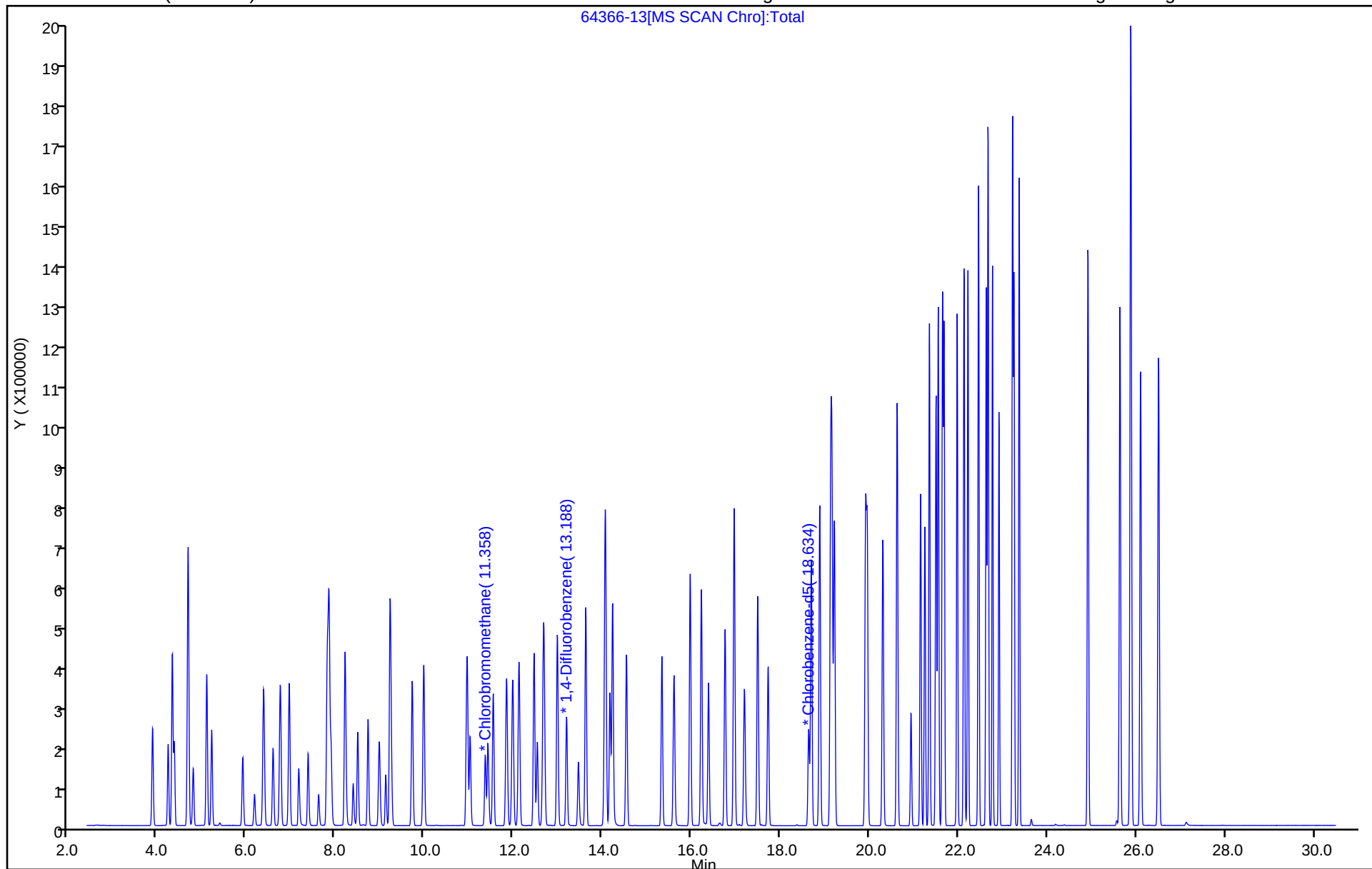
ALS Bottle#: 13

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



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-14.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 21-Mar-2025 02:47:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-014
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 09:46:47 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: F7XK

Date: 21-Mar-2025 15:59:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.233	4.227	0.005	97	377684	40.0	41.4	
3 Dichlorodifluoromethane	85	4.323	4.318	0.005	99	1163212	40.0	39.6	
4 Chlorodifluoromethane	51	4.366	4.361	0.005	97	712705	40.0	39.3	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.677	4.671	0.006	97	1297133	40.0	41.8	
6 Chloromethane	50	4.794	4.789	0.005	99	453210	40.0	39.5	
7 Vinyl chloride	62	5.094	5.088	0.006	98	450548	40.0	42.4	
8 Butane	43	5.099	5.094	0.005	98	599711	40.0	38.2	
9 Butadiene	54	5.211	5.206	0.005	94	320424	40.0	45.0	
10 Bromomethane	94	5.907	5.902	0.005	99	328661	40.0	40.2	
12 Chloroethane	64	6.174	6.169	0.005	99	197538	40.0	40.3	
13 2-Methylbutane	43	6.378	6.372	0.006	93	496589	40.0	40.6	
14 Vinyl bromide	106	6.592	6.586	0.006	99	418685	40.0	43.2	
15 Trichlorofluoromethane	101	6.752	6.747	0.005	99	968944	40.0	40.9	
16 Pentane	43	6.956	6.950	0.006	98	707231	40.0	38.9	
17 Ethanol	45	7.159	7.175	-0.016	98	509233	100.0	90.7	
18 Ethyl ether	59	7.373	7.384	-0.011	95	288325	40.0	43.2	
19 Acrolein	56	7.608	7.614	-0.006	95	180419	46.8	45.8	
20 1,1-Dichloroethene	96	7.806	7.801	0.005	97	410423	40.0	44.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.844	7.844	0.000	98	846635	40.0	40.4	
22 Acetone	43	7.886	7.902	-0.016	96	516770	40.0	37.2	
24 Carbon disulfide	76	8.202	8.202	0.000	99	1130069	40.0	37.0	
23 Isopropyl alcohol	45	8.207	8.229	-0.022	99	634853	46.4	41.1	
25 Acetonitrile	41	8.384	8.395	-0.011	100	268416	40.0	37.1	
27 3-Chloro-1-propene	41	8.491	8.491	0.000	95	412069	40.0	37.8	
28 Methylene Chloride	49	8.726	8.721	0.005	89	375989	40.0	36.4	
29 2-Methyl-2-propanol	59	8.962	9.010	-0.048	93	705075	40.0	37.5	
30 Acrylonitrile	53	9.122	9.122	0.000	96	246790	40.0	38.0	
32 trans-1,2-Dichloroethene	61	9.218	9.213	0.005	97	480120	40.0	40.2	
31 Methyl tert-butyl ether	73	9.229	9.245	-0.016	96	997636	40.0	40.4	
S 33 1,2-Dichloroethene, Total	61				0		80.0	82.0	
34 Hexane	57	9.721	9.716	0.005	90	515851	40.0	39.9	

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	9.967	9.967	0.000	100	600788	40.0	38.7	
35 Vinyl acetate	43	9.983	9.983	0.000	99	787846	45.6	42.5	
37 2-Butanone (MEK)	72	10.930	10.946	-0.016	98	186415	40.0	34.9	
38 cis-1,2-Dichloroethene	96	10.957	10.957	0.000	90	399512	40.0	41.8	
39 Ethyl acetate	88	11.016	11.027	-0.011	99	33004	40.0	40.3	
* 40 Chlorobromomethane	128	11.364	11.364	0.000	82	75408	10.0	10.0	
41 Tetrahydrofuran	42	11.412	11.428	-0.016	90	349350	40.0	37.5	
42 Chloroform	83	11.540	11.540	0.000	95	736636	40.0	39.2	
43 1,1,1-Trichloroethane	97	11.840	11.840	0.000	95	755351	40.0	40.1	
44 Cyclohexane	84	11.979	11.979	0.000	96	506015	40.0	42.4	
45 Carbon tetrachloride	117	12.118	12.118	0.000	97	812860	40.0	42.1	
46 Benzene	78	12.460	12.455	0.005	94	1146483	40.0	39.8	
47 1,2-Dichloroethane	62	12.530	12.530	0.000	98	452527	40.0	39.5	
48 Isooctane	57	12.680	12.674	0.006	99	1689706	40.0	40.6	
49 n-Heptane	43	12.985	12.979	0.006	89	556821	40.0	39.5	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	353460	10.0	10.0	
51 n-Butanol	56	13.445	13.466	-0.021	84	278520	40.0	39.6	
52 Trichloroethene	95	13.621	13.621	0.000	97	513003	40.0	41.6	
55 1,2-Dichloropropane	63	14.071	14.065	0.006	94	408060	40.0	38.7	
56 Methyl methacrylate	69	14.162	14.167	-0.005	98	404259	40.0	40.7	
58 Dibromomethane	174	14.226	14.226	0.000	94	551252	40.0	40.7	
57 1,4-Dioxane	88	14.210	14.242	-0.032	88	243895	40.0	40.9	
59 Dichlorobromomethane	83	14.536	14.536	0.000	98	818862	40.0	40.9	
60 cis-1,3-Dichloropropene	75	15.333	15.333	0.000	90	751324	40.0	42.2	
62 4-Methyl-2-pentanone (MIBK)	43	15.595	15.617	-0.022	94	760812	40.0	37.9	
63 Toluene	92	15.970	15.970	0.000	93	849156	40.0	40.3	
A 64 Toluene Range	1	15.975	(15.906-16.045)		0	3242665	NC	NC	
66 n-Octane	43	16.221	16.221	0.000	90	779200	40.0	41.0	
A 65 C8 Range	1	16.264	(16.157-16.371)		0	3210469	NC	NC	
67 trans-1,3-Dichloropropene	75	16.382	16.382	0.000	95	604357	40.0	43.2	
68 1,1,2-Trichloroethane	83	16.756	16.756	0.000	95	425690	40.0	39.4	
69 Tetrachloroethene	166	16.959	16.959	0.000	98	805653	40.0	41.6	
70 2-Hexanone	43	17.179	17.200	-0.021	97	734888	40.0	39.3	
71 Chlorodibromomethane	129	17.489	17.489	0.000	98	974873	40.0	41.5	
72 Ethylene Dibromide	107	17.724	17.719	0.005	99	834029	40.0	41.1	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	255682	10.0	10.0	
74 Chlorobenzene	112	18.693	18.693	0.000	97	1235621	40.0	39.9	
75 Ethylbenzene	91	18.885	18.885	0.000	97	1910566	40.0	40.4	
76 m-Xylene & p-Xylene	106	19.147	19.148	-0.001	0	1506167	80.0	81.5	
77 n-Nonane	57	19.212	19.212	0.000	85	827778	40.0	42.6	
S 78 Xylenes, Total	106				0		120.0	123.0	
79 o-Xylene	106	19.918	19.918	0.000	99	732108	40.0	41.5	
80 Styrene	104	19.955	19.950	0.005	97	1178678	40.0	42.5	
81 Bromoform	173	20.303	20.303	0.000	99	1019203	40.0	41.7	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	2223775	40.0	41.4	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	98	1145152	40.0	38.9	
84 1,2,3-Trichloropropane	75	21.250	21.250	0.000	98	874056	40.0	38.8	
85 N-Propylbenzene	91	21.352	21.352	0.000	100	2665195	40.0	40.8	
86 2-Chlorotoluene	91	21.501	21.496	0.005	96	1627381	40.0	40.0	
87 4-Ethyltoluene	105	21.549	21.550	-0.001	98	2219019	40.0	41.2	
88 1,3,5-Trimethylbenzene	105	21.646	21.646	0.000	94	1889309	40.0	41.1	
89 n-Decane	57	21.683	21.678	0.005	92	1090339	40.0	38.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.977	21.978	-0.001	91	1043125	40.0	44.7	
91 tert-Butylbenzene	119	22.133	22.127	0.006	94	1866426	40.0	40.1	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	97	1910388	40.0	41.1	
93 sec-Butylbenzene	105	22.459	22.454	0.005	99	2792351	40.0	39.8	
94 1,3-Dichlorobenzene	146	22.630	22.630	0.000	96	1391475	40.0	41.2	
95 4-Isopropyltoluene	119	22.673	22.668	0.005	97	2480743	40.0	40.9	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	96	1381236	40.0	42.0	
97 Benzyl chloride	91	22.919	22.914	0.005	100	1738599	40.0	45.7	
98 n-Butylbenzene	91	23.224	23.224	0.000	98	2241232	40.0	41.4	
99 1,2-Dichlorobenzene	146	23.256	23.256	0.000	98	1340490	40.0	40.2	
100 Undecane	57	23.374	23.368	0.006	92	1269459	40.0	36.4	
101 Dodecane	57	24.920	24.914	0.006	98	1321099	40.0	38.4	
102 1,2,4-Trichlorobenzene	180	25.637	25.637	0.000	94	1336891	46.9	54.1	
103 Hexachlorobutadiene	225	25.883	25.883	0.000	96	1340785	45.0	45.5	
104 Naphthalene	128	26.102	26.102	0.000	99	2983430	47.6	59.3	
105 1,2,3-Trichlorobenzene	180	26.509	26.503	0.006	96	1347750	46.6	52.4	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL7w_00151

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\20250320-64366.b\64366-14.D

Injection Date: 21-Mar-2025 02:47:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 14

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

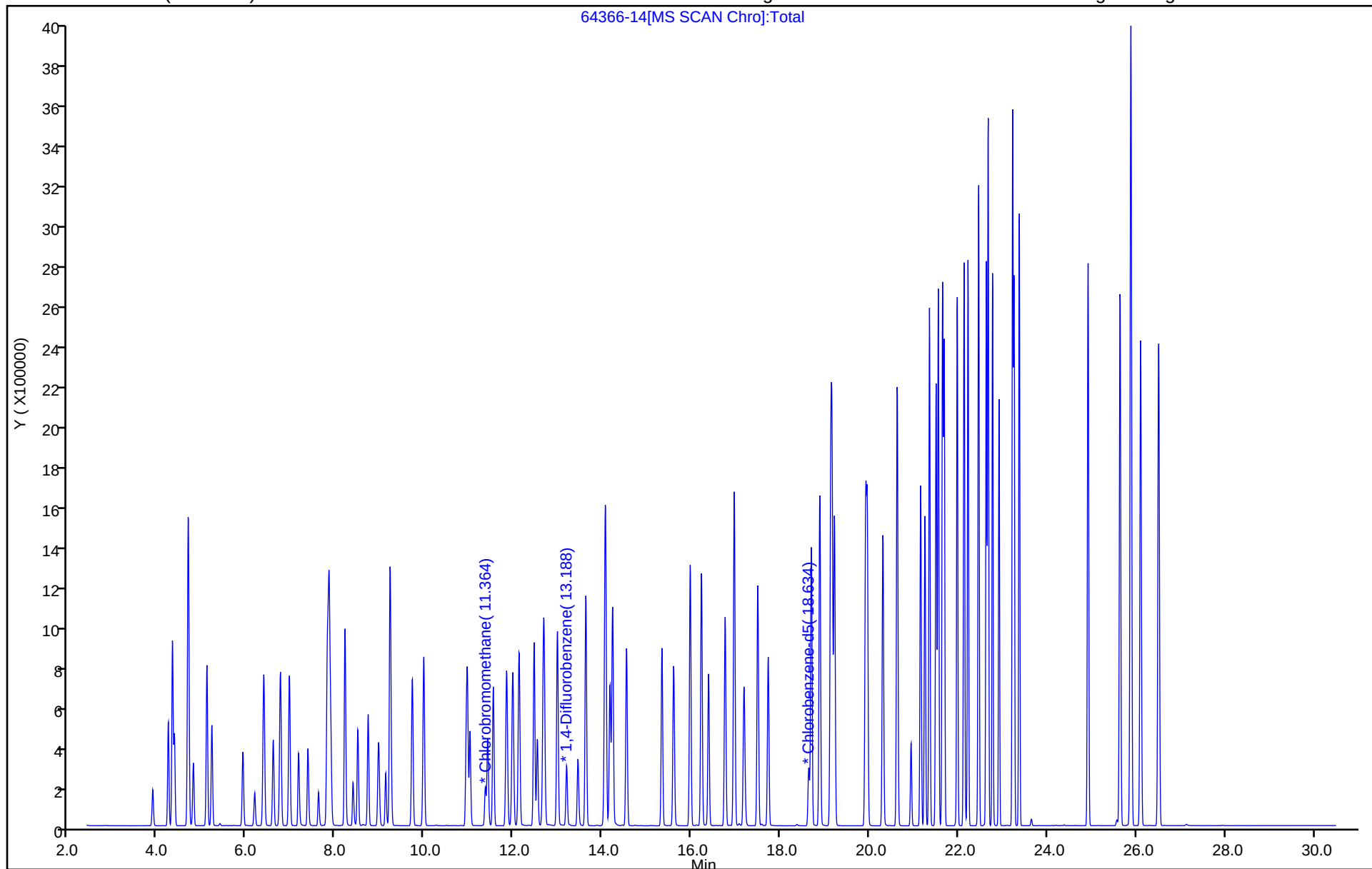
ALS Bottle#: 14

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\20250320-64366.b\64366-19.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 21-Mar-2025 09:07:30 ALS Bottle#: 19 Worklist Smp#: 19
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-019
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 09:46:24 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: BKZ7

Date: 21-Mar-2025 09:46:24

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		4.200				ND	ND	
3 Dichlorodifluoromethane	85	4.318	4.318	0.000	92	1051	0.0351	0.0347	
4 Chlorodifluoromethane	51	4.361	4.361	0.000	93	588	0.0351	0.0314	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.682	4.682	0.000	89	709	0.0351	0.0222	
6 Chloromethane	50	4.778	4.778	0.000	86	425	0.0351	0.0360	
8 Butane	43	5.088	5.088	0.000	84	832	0.0351	0.0515	
7 Vinyl chloride	62	5.099	5.099	0.000	56	316	0.0351	0.0288	
9 Butadiene	54	5.201	5.201	0.000	1	102	0.0351	0.0139	M
10 Bromomethane	94		5.886				ND	ND	
12 Chloroethane	64		6.153				ND	ND	
13 2-Methylbutane	43	6.378	6.378	0.000	75	507	0.0351	0.0402	
14 Vinyl bromide	106		6.570				ND	ND	
15 Trichlorofluoromethane	101	6.752	6.752	0.000	91	454	0.0351	0.0186	
16 Pentane	43	6.945	6.945	0.000	84	735	0.0351	0.0392	
17 Ethanol	45	7.218	7.218	0.000	99	1803	0.0702	0.3116	
18 Ethyl ether	59		7.378				ND	ND	
19 Acrolein	56		7.608				ND	ND	
20 1,1-Dichloroethene	96	7.801	7.801	0.000	70	160	0.0351	0.0167	M
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.843	7.843	0.000	74	735	0.0351	0.0340	
22 Acetone	43	7.961	7.961	0.000	92	2825	0.0351	0.1972	
24 Carbon disulfide	76	8.197	8.197	0.000	98	3805	0.0351	0.1207	
23 Isopropyl alcohol	45	8.282	8.282	0.000	98	4785	0.0407	0.3008	
25 Acetonitrile	41		8.389				ND	ND	
27 3-Chloro-1-propene	41	8.416	8.416	0.000	64	234	0.0351	0.0208	
28 Methylene Chloride	49	8.715	8.715	0.000	85	402	0.0351	0.0377	
29 2-Methyl-2-propanol	59		8.999				ND	ND	
30 Acrylonitrile	53		9.117				ND	ND	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	48	319	0.0351	0.0259	
31 Methyl tert-butyl ether	73	9.309	9.309	0.000	83	775	0.0351	0.0304	
S 33 1,2-Dichloroethene, Total	61				0		0.0702	0.0489	
34 Hexane	57	9.716	9.716	0.000	62	294	0.0351	0.0221	

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	9.962	9.962	0.000	1	470	0.0351	0.0294	
35 Vinyl acetate	43	10.005	10.005	0.000	1	620	0.0400	0.0324	
38 cis-1,2-Dichloroethene	96	10.957	10.957	0.000	63	226	0.0351	0.0230	M
37 2-Butanone (MEK)	72	11.005	11.005	0.000	95	421	0.0351	0.0765	
39 Ethyl acetate	88		11.021				ND	ND	
* 40 Chlorobromomethane	128	11.358	11.358	0.000	85	77712	10.0	10.0	
41 Tetrahydrofuran	42	11.487	11.487	0.000	68	155	0.0351	0.0160	
42 Chloroform	83	11.545	11.545	0.000	63	517	0.0351	0.0267	
43 1,1,1-Trichloroethane	97	11.829	11.829	0.000	78	498	0.0351	0.0254	
44 Cyclohexane	84	11.973	11.973	0.000	1	54	0.0351	0.004352	
45 Carbon tetrachloride	117	12.113	12.113	0.000	80	554	0.0351	0.0276	
46 Benzene	78	12.450	12.450	0.000	84	1009	0.0351	0.0336	
47 1,2-Dichloroethane	62		12.525				ND	ND	
48 Isooctane	57		12.669				ND	ND	
49 n-Heptane	43	12.985	12.985	0.000	69	199	0.0351	0.0136	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	367869	10.0	10.0	
51 n-Butanol	56		13.461				ND	ND	
52 Trichloroethene	95	13.616	13.616	0.000	69	355	0.0351	0.0276	
55 1,2-Dichloropropane	63		14.065				ND	ND	
56 Methyl methacrylate	69		14.167				ND	ND	
58 Dibromomethane	174	14.220	14.220	0.000	83	348	0.0351	0.0247	
57 1,4-Dioxane	88		14.236				ND	ND	
59 Dichlorobromomethane	83	14.531	14.531	0.000	1	343	0.0351	0.0165	
60 cis-1,3-Dichloropropene	75	15.328	15.328	0.000	67	390	0.0351	0.0210	
62 4-Methyl-2-pentanone (MIBK)	43	15.675	15.675	0.000	77	932	0.0351	0.0446	
63 Toluene	92	15.964	15.964	0.000	92	715	0.0351	0.0377	
A 64 Toluene Range	1	15.967	(15.943-15.991)		0	1680	NC	NC	
A 65 C8 Range	1	16.221	(16.189-16.253)		0	1065	NC	NC	
66 n-Octane	43	16.221	16.221	0.000	80	612	0.0351	0.0310	
67 trans-1,3-Dichloropropene	75	16.382	16.382	0.000	1	301	0.0351	0.0207	
68 1,1,2-Trichloroethane	83		16.751				ND	ND	
69 Tetrachloroethene	166	16.954	16.954	0.000	86	502	0.0351	0.0289	
70 2-Hexanone	43	17.221	17.221	0.000	47	578	0.0351	0.0344	
71 Chlorodibromomethane	129	17.484	17.484	0.000	87	641	0.0351	0.0304	
72 Ethylene Dibromide	107	17.724	17.724	0.000	96	546	0.0351	0.0300	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	229795	10.0	10.0	
74 Chlorobenzene	112	18.698	18.698	0.000	73	1106	0.0351	0.0398	
75 Ethylbenzene	91	18.880	18.880	0.000	91	1708	0.0351	0.0402	
76 m-Xylene & p-Xylene	106	19.142	19.142	0.000	0	211	0.0702	0.0127	
77 n-Nonane	57	19.217	19.217	0.000	84	497	0.0351	0.0284	
S 78 Xylenes, Total	106				0		0.1052	0.0440	
79 o-Xylene	106	19.918	19.918	0.000	89	496	0.0351	0.0313	
80 Styrene	104	19.955	19.955	0.000	76	821	0.0351	0.0330	
81 Bromoform	173	20.303	20.303	0.000	88	725	0.0351	0.0330	
82 Isopropylbenzene	105	20.624	20.624	0.000	87	1791	0.0351	0.0371	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	85	1175	0.0351	0.0444	
84 1,2,3-Trichloropropane	75		21.250				ND	ND	
85 N-Propylbenzene	91	21.351	21.351	0.000	96	2187	0.0351	0.0372	
86 2-Chlorotoluene	91	21.501	21.501	0.000	88	1507	0.0351	0.0413	
87 4-Ethyltoluene	105	21.555	21.555	0.000	95	1534	0.0351	0.0317	
88 1,3,5-Trimethylbenzene	105	21.651	21.651	0.000	88	1472	0.0351	0.0356	
89 n-Decane	57	21.678	21.678	0.000	82	991	0.0351	0.0391	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.977	21.977	0.000	84	495	0.0351	0.0236	
91 tert-Butylbenzene	119	22.127	22.127	0.000	89	1531	0.0351	0.0366	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	90	1477	0.0351	0.0354	
93 sec-Butylbenzene	105	22.454	22.454	0.000	95	2435	0.0351	0.0386	
94 1,3-Dichlorobenzene	146	22.625	22.625	0.000	89	1412	0.0351	0.0465	
95 4-Isopropyltoluene	119	22.673	22.673	0.000	96	1925	0.0351	0.0353	
96 1,4-Dichlorobenzene	146	22.774	22.774	0.000	91	1387	0.0351	0.0469	
97 Benzyl chloride	91	22.914	22.914	0.000	89	1045	0.0351	0.0306	
98 n-Butylbenzene	91	23.224	23.224	0.000	94	1616	0.0351	0.0332	
99 1,2-Dichlorobenzene	146	23.256	23.256	0.000	94	1336	0.0351	0.0446	
100 Undecane	57	23.374	23.374	0.000	89	1036	0.0351	0.0330	
101 Dodecane	57	24.920	24.920	0.000	91	1097	0.0351	0.0355	
102 1,2,4-Trichlorobenzene	180	25.637	25.637	0.000	80	1146	0.0411	0.0516	
103 Hexachlorobutadiene	225	25.877	25.877	0.000	90	1558	0.0394	0.0588	
104 Naphthalene	128	26.107	26.107	0.000	94	2840	0.0417	0.0628	
105 1,2,3-Trichlorobenzene	180	26.509	26.509	0.000	91	1887	0.0409	0.0817	
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_00274

Amount Added: 35.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2025 09:46:24

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D

Injection Date: 21-Mar-2025 09:07:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: IC

Worklist Smp#: 19

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

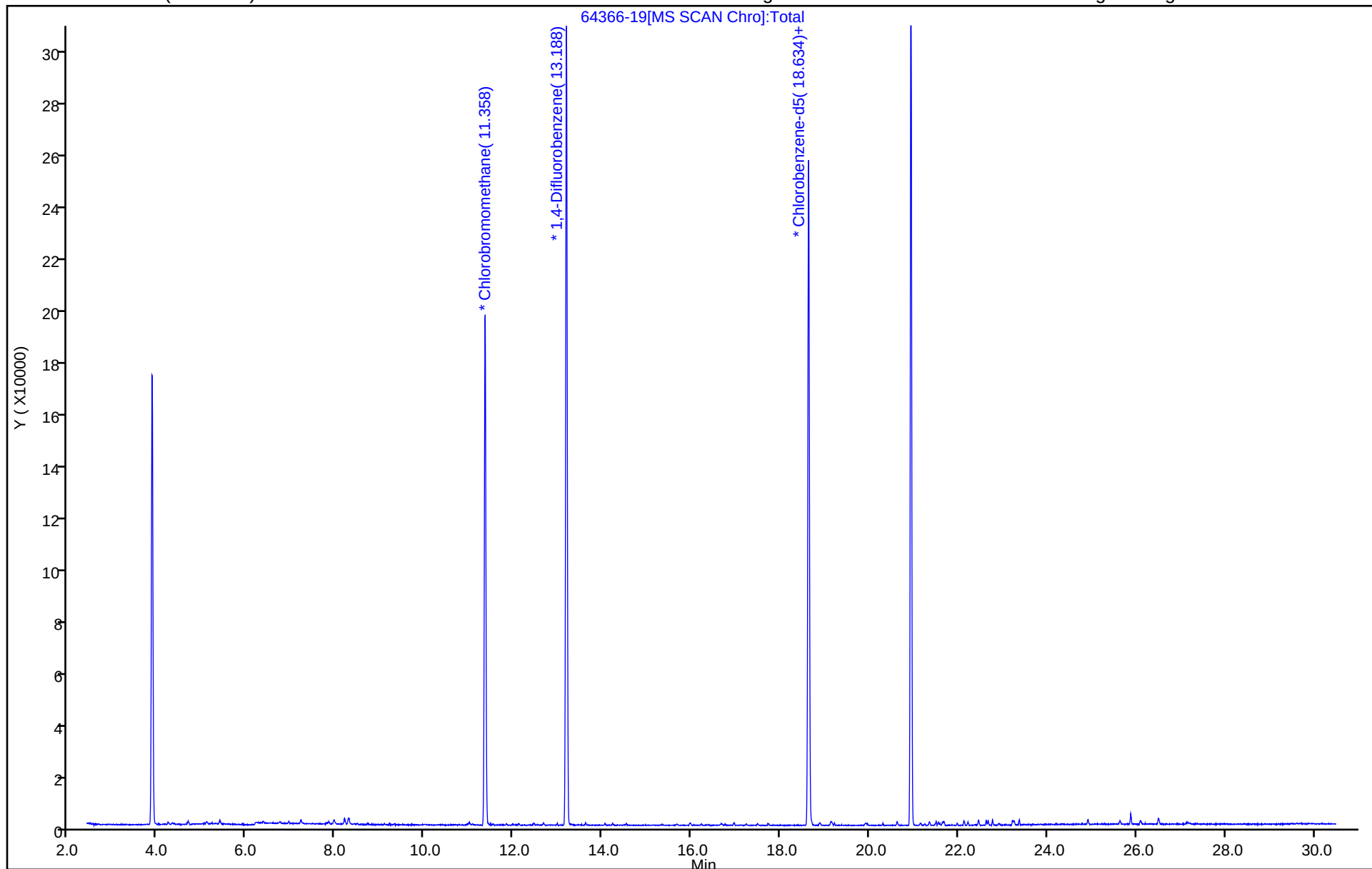
ALS Bottle#: 19

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

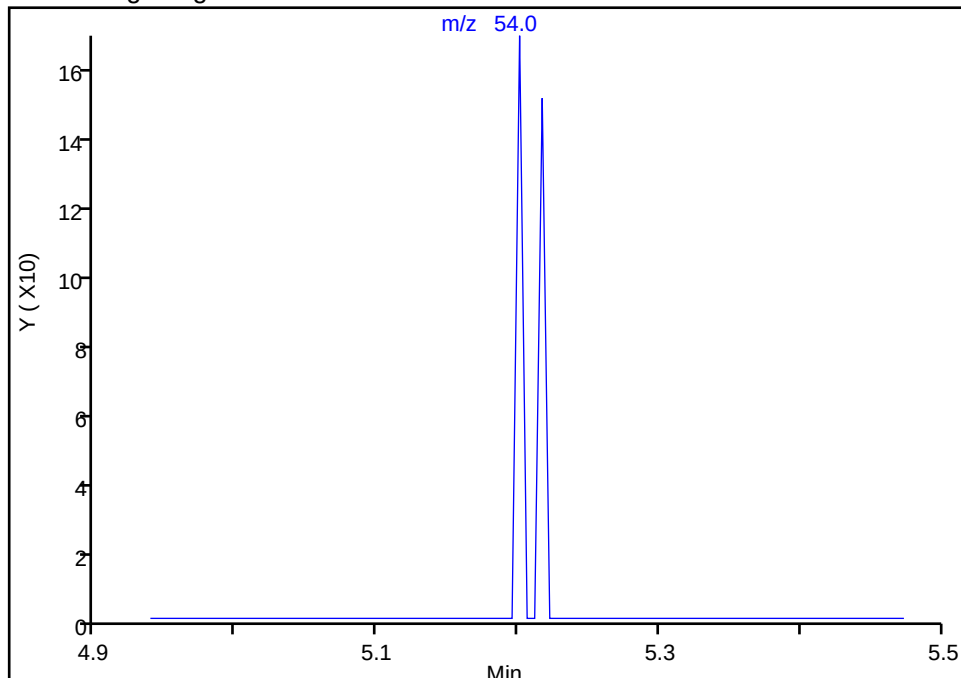
Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
Injection Date: 21-Mar-2025 09:07:30 Instrument ID: CHX.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

9 Butadiene, CAS: 106-99-0

Signal: 1

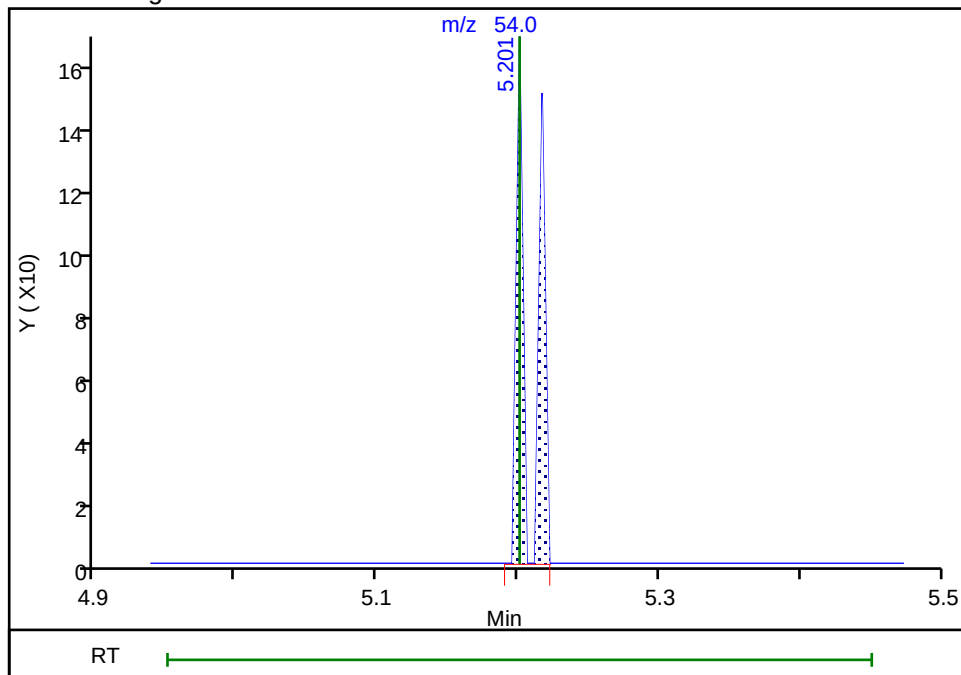
Not Detected
Expected RT: 5.20

Processing Integration Results



RT: 5.20
Area: 102
Amount: 0.013906
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2025 09:42:44 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Burlington

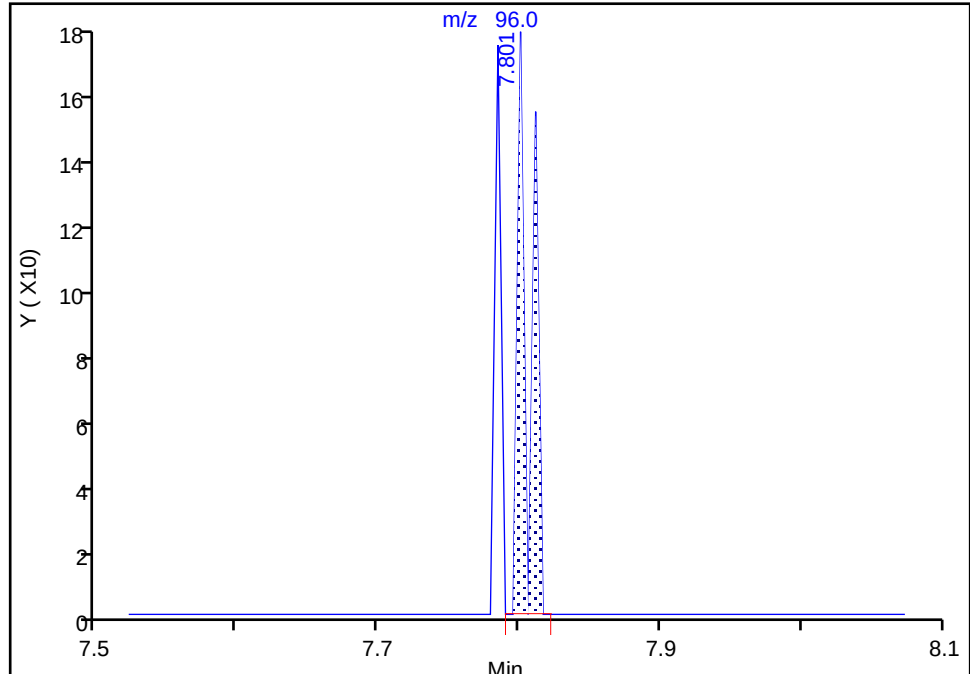
Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
Injection Date: 21-Mar-2025 09:07:30 Instrument ID: CHX.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

20 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

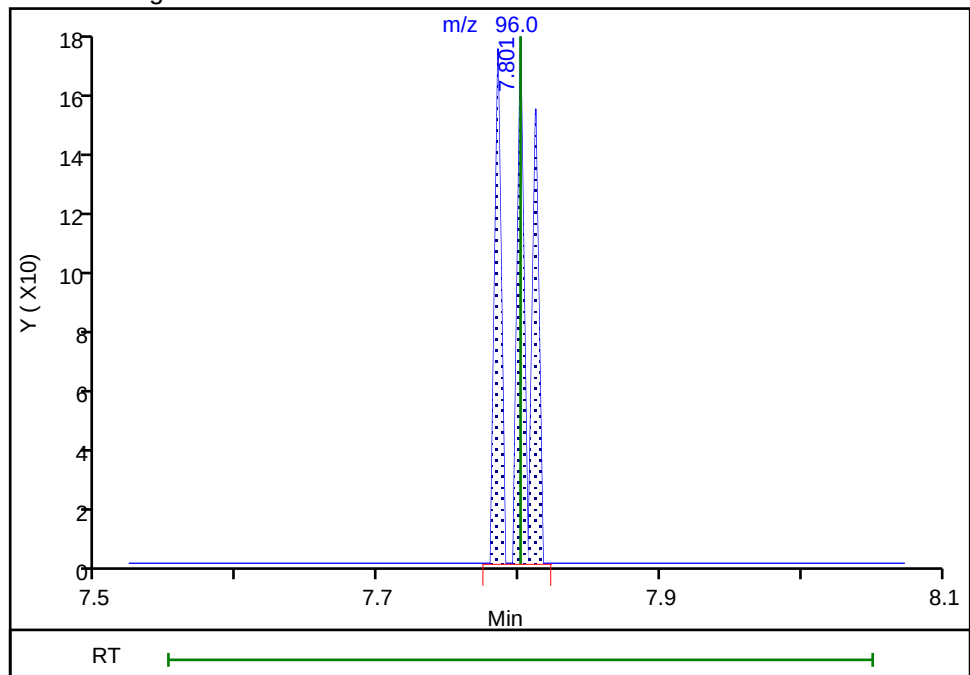
RT: 7.80
Area: 105
Amount: 0.011181
Amount Units: ppb v/v

Processing Integration Results



RT: 7.80
Area: 160
Amount: 0.016690
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2025 09:42:54 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Burlington

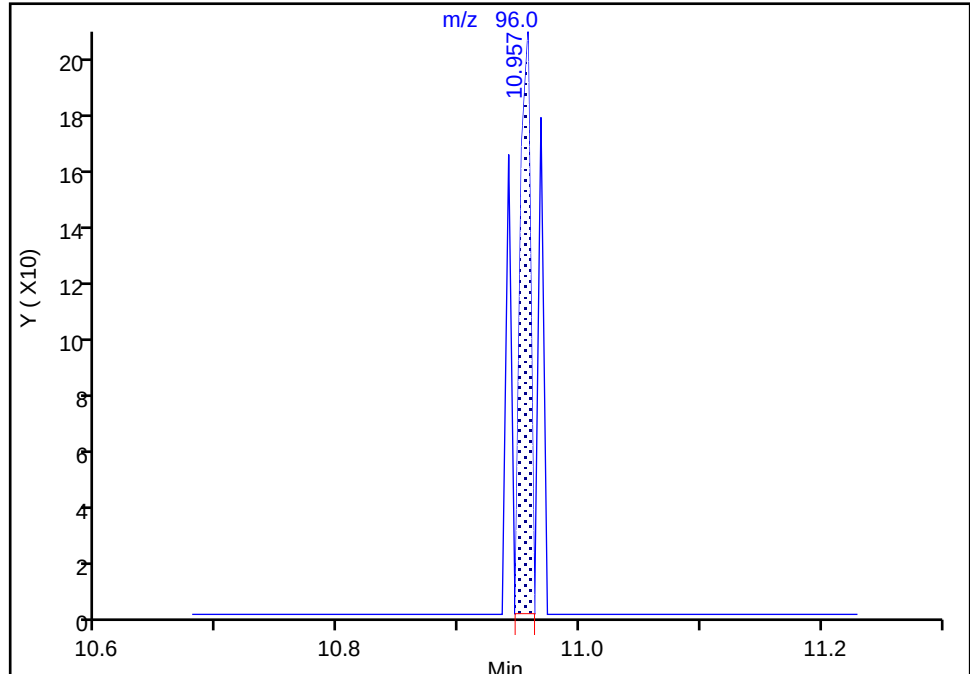
Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
Injection Date: 21-Mar-2025 09:07:30 Instrument ID: CHX.i
Lims ID: IC
Client ID:
Operator ID: wrd ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Signal: 1

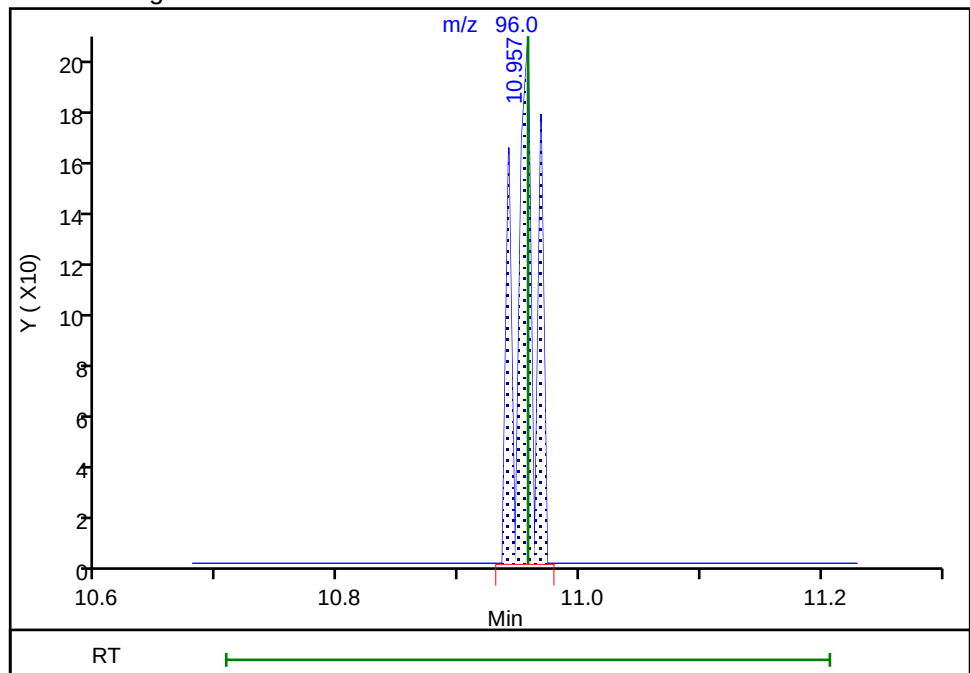
RT: 10.96
Area: 118
Amount: 0.012481
Amount Units: ppb v/v

Processing Integration Results



RT: 10.96
Area: 226
Amount: 0.022969
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 21-Mar-2025 09:43:14 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Calibration

/ Propene

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

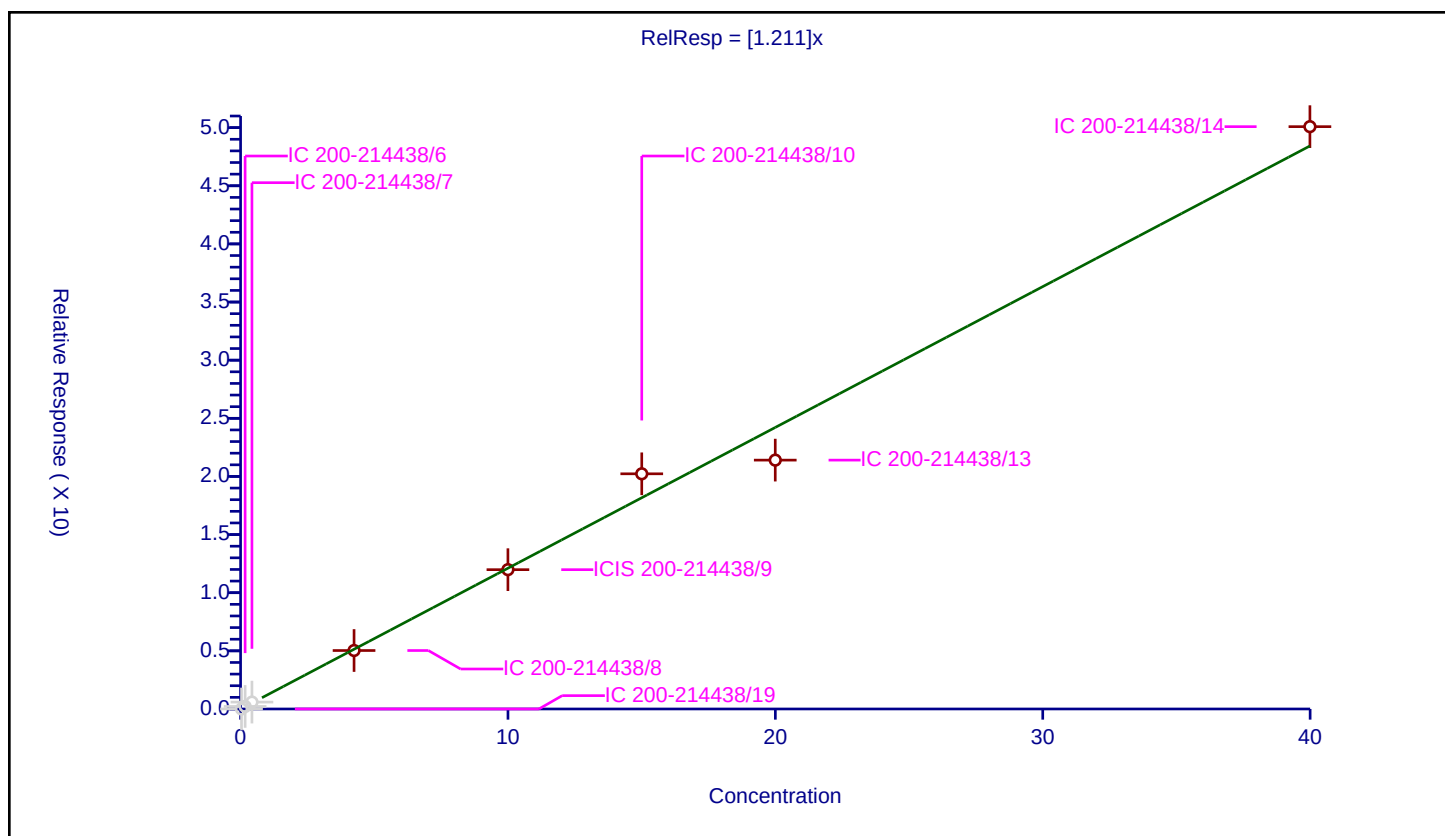
Curve Coefficients

Intercept: 0
Slope: 1.211

Error Coefficients

Relative Standard Deviation: 8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.219988	10.0	65958.0	1.291211	N
3	IC 200-214438/7	0.425385	0.593218	10.0	65052.0	1.394544	N
4	IC 200-214438/8	4.243678	5.028086	10.0	64090.0	1.184841	Y
5	ICIS 200-214438/9	9.99806	11.983046	10.0	65117.0	1.198537	Y
6	IC 200-214438/10	15.003557	20.227194	10.0	66727.0	1.34816	Y
7	IC 200-214438/13	19.99612	21.405279	10.0	66912.0	1.070472	Y
8	IC 200-214438/14	39.99224	50.085402	10.0	75408.0	1.252378	Y



Calibration

/ Dichlorodifluoromethane

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

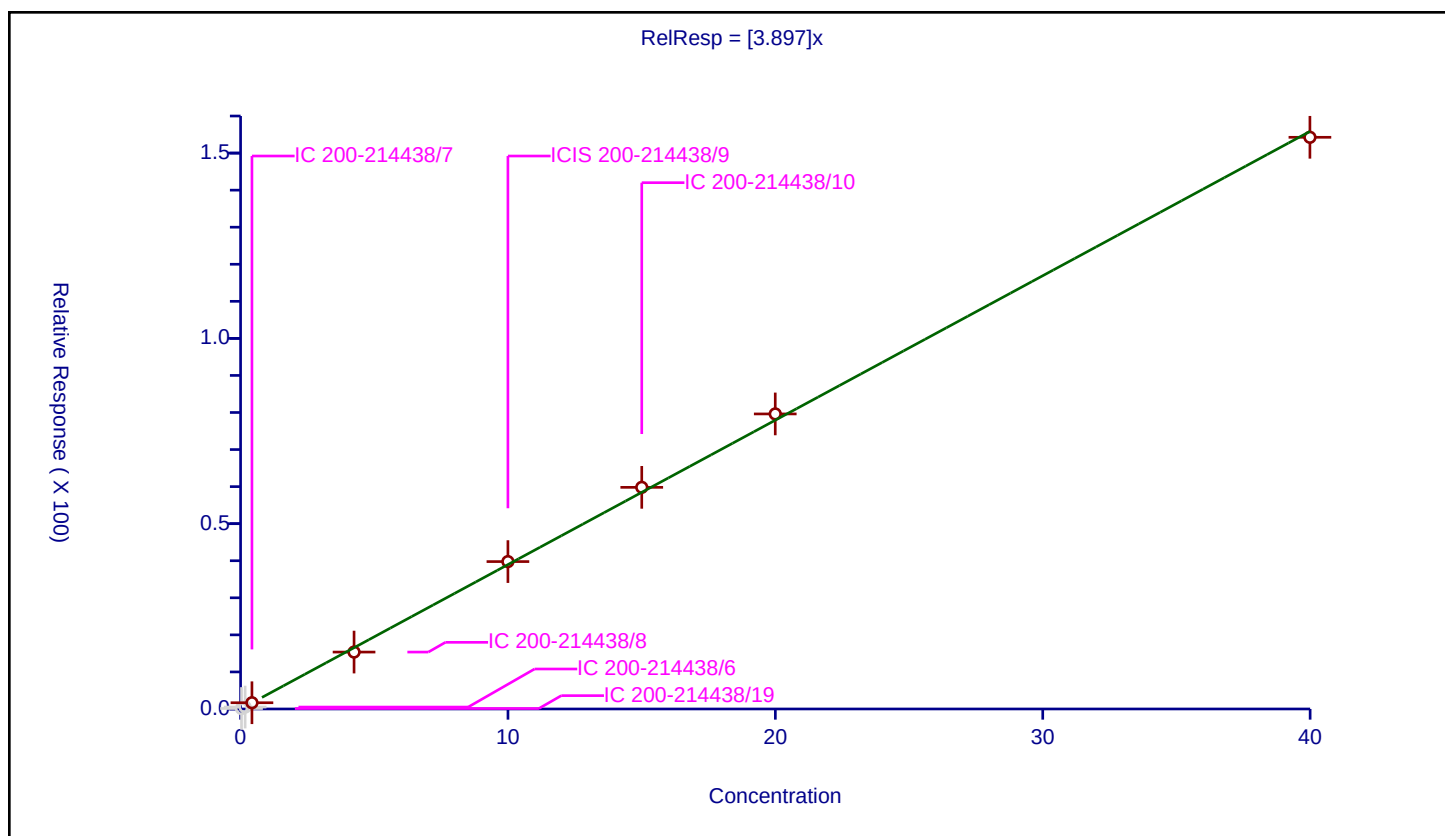
Curve Coefficients

Intercept: 0
Slope: 3.897

Error Coefficients

Relative Standard Deviation: 3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.135243	10.0	77712.0	3.855608	N
2	IC 200-214438/6	0.170374	0.519876	10.0	65958.0	3.051388	N
3	IC 200-214438/7	0.425385	1.684345	10.0	65052.0	3.95958	Y
4	IC 200-214438/8	4.243678	15.355126	10.0	64090.0	3.618353	Y
5	ICIS 200-214438/9	9.99806	39.769799	10.0	65117.0	3.977752	Y
6	IC 200-214438/10	15.003557	59.802778	10.0	66727.0	3.985907	Y
7	IC 200-214438/13	19.99612	79.615764	10.0	66912.0	3.981561	Y
8	IC 200-214438/14	39.99224	154.255782	10.0	75408.0	3.857143	Y



Calibration

/ Chlorodifluoromethane

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

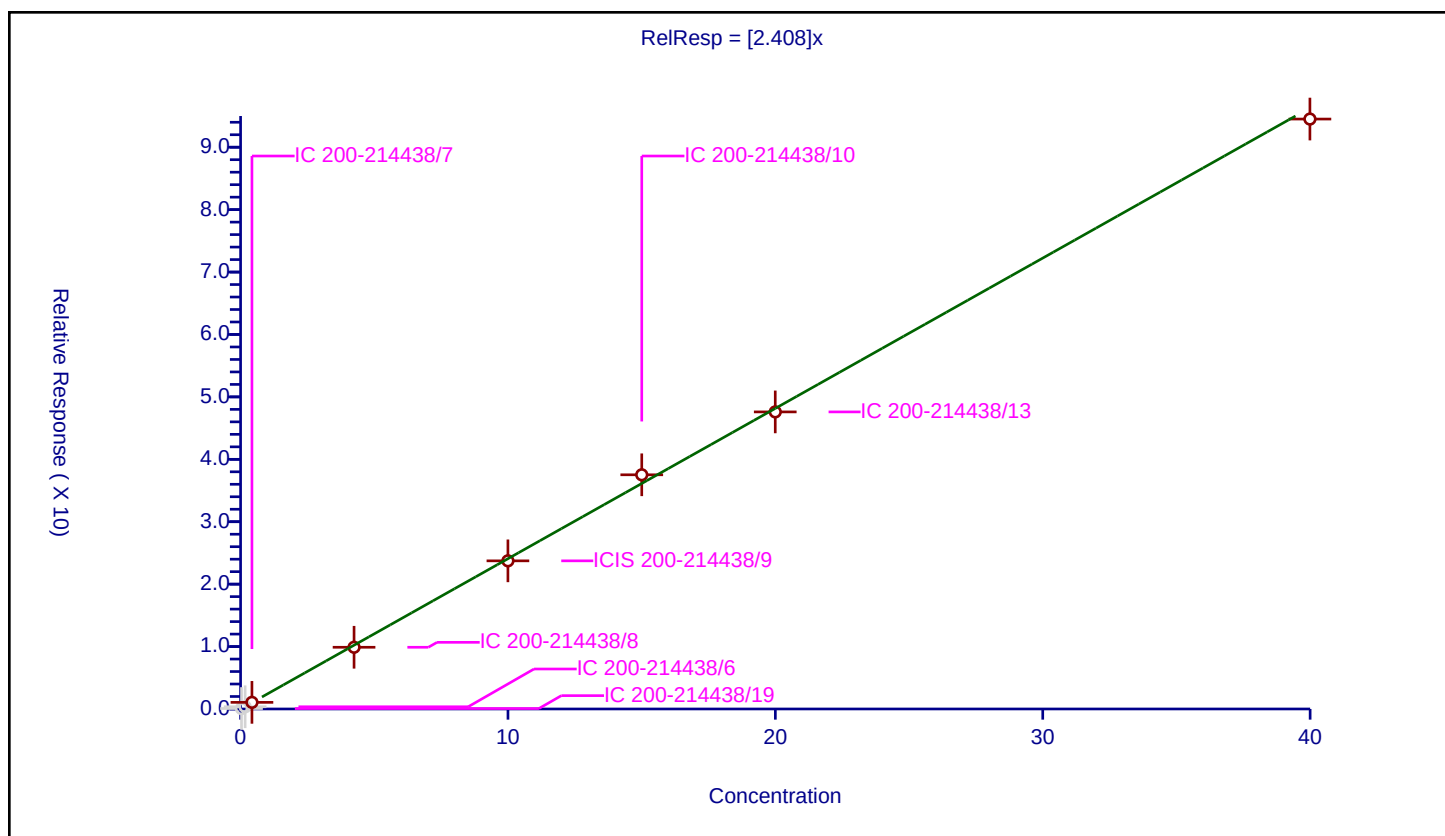
Curve Coefficients

Intercept: 0
 Slope: 2.408

Error Coefficients

Relative Standard Deviation: 3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.075664	10.0	77712.0	2.157086	N
2	IC 200-214438/6	0.170374	0.356742	10.0	65958.0	2.09388	N
3	IC 200-214438/7	0.425385	1.063149	10.0	65052.0	2.499266	Y
4	IC 200-214438/8	4.243678	9.887658	10.0	64090.0	2.329973	Y
5	ICIS 200-214438/9	9.99806	23.736044	10.0	65117.0	2.374065	Y
6	IC 200-214438/10	15.003557	37.519745	10.0	66727.0	2.500723	Y
7	IC 200-214438/13	19.99612	47.596395	10.0	66912.0	2.380282	Y
8	IC 200-214438/14	39.99224	94.513182	10.0	75408.0	2.363288	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

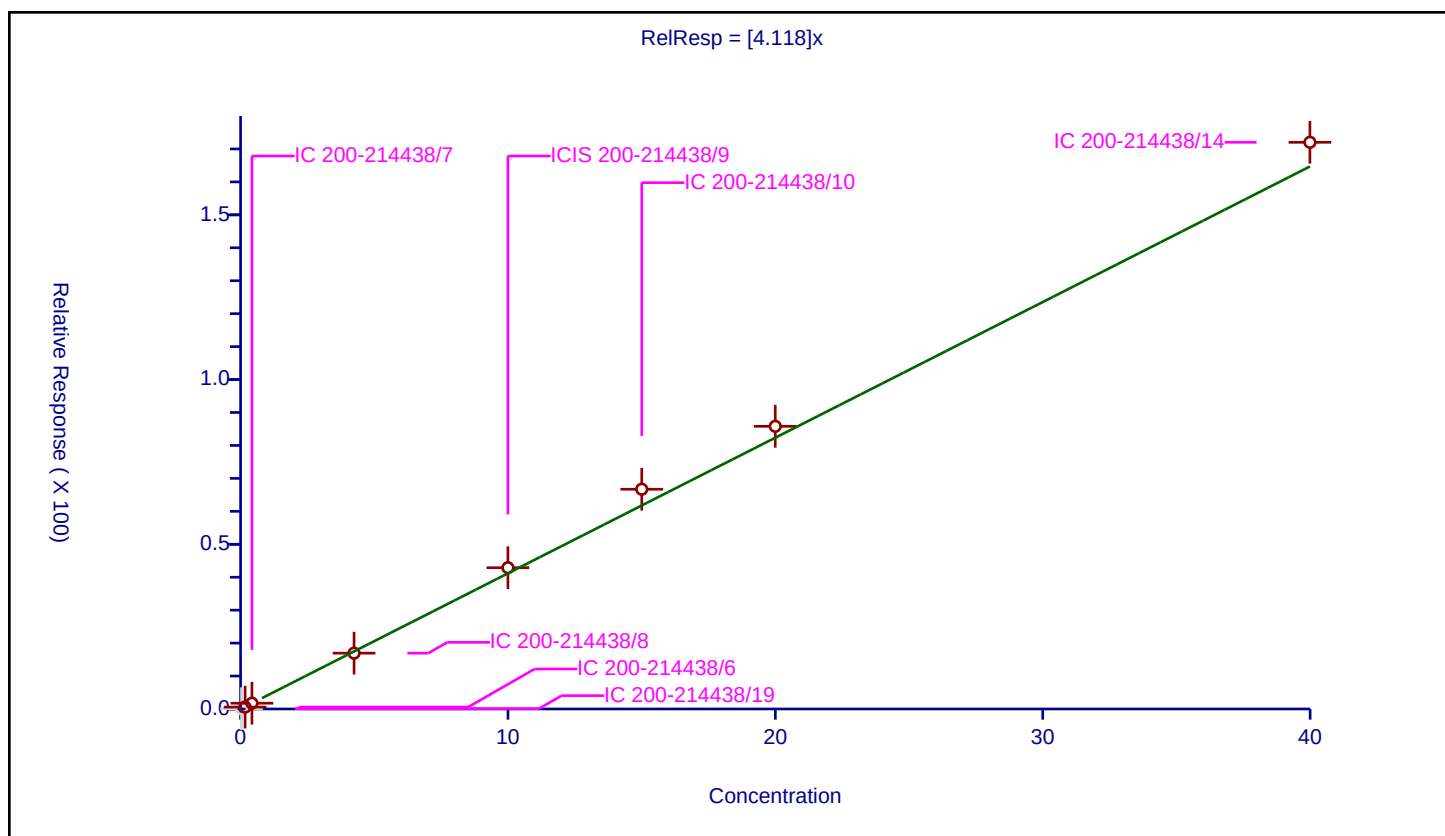
Curve Coefficients

Intercept: 0
 Slope: 4.118

Error Coefficients

Relative Standard Deviation: 8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.091234	10.0	77712.0	2.600976	N
2	IC 200-214438/6	0.170374	0.576731	10.0	65958.0	3.385092	Y
3	IC 200-214438/7	0.425385	1.751676	10.0	65052.0	4.117862	Y
4	IC 200-214438/8	4.243678	16.944609	10.0	64090.0	3.992906	Y
5	ICIS 200-214438/9	9.99806	42.884347	10.0	65117.0	4.289267	Y
6	IC 200-214438/10	15.003557	66.703284	10.0	66727.0	4.445831	Y
7	IC 200-214438/13	19.99612	85.810617	10.0	66912.0	4.291363	Y
8	IC 200-214438/14	39.99224	172.015303	10.0	75408.0	4.301217	Y



Calibration

/ Chloromethane

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

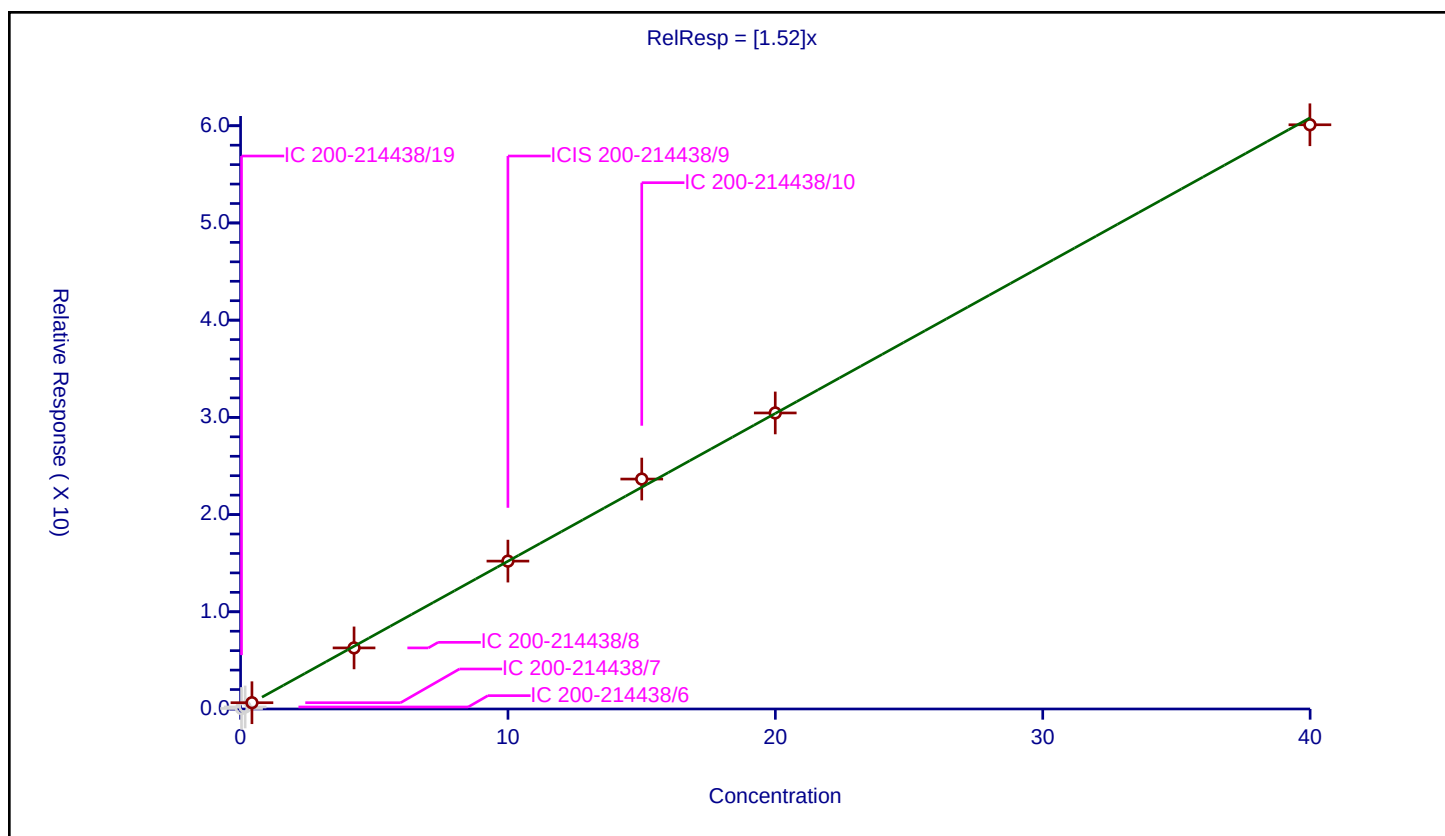
Curve Coefficients

Intercept: 0
 Slope: 1.52

Error Coefficients

Relative Standard Deviation: 2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.054689	10.0	77712.0	1.559118	N
2	IC 200-214438/6	0.170374	0.20786	10.0	65958.0	1.220021	N
3	IC 200-214438/7	0.425385	0.645637	10.0	65052.0	1.517773	Y
4	IC 200-214438/8	4.243678	6.283664	10.0	64090.0	1.480712	Y
5	ICIS 200-214438/9	9.99806	15.211235	10.0	65117.0	1.521419	Y
6	IC 200-214438/10	15.003557	23.653993	10.0	66727.0	1.576559	Y
7	IC 200-214438/13	19.99612	30.45373	10.0	66912.0	1.522982	Y
8	IC 200-214438/14	39.99224	60.10105	10.0	75408.0	1.502818	Y



Calibration

/ Butane

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

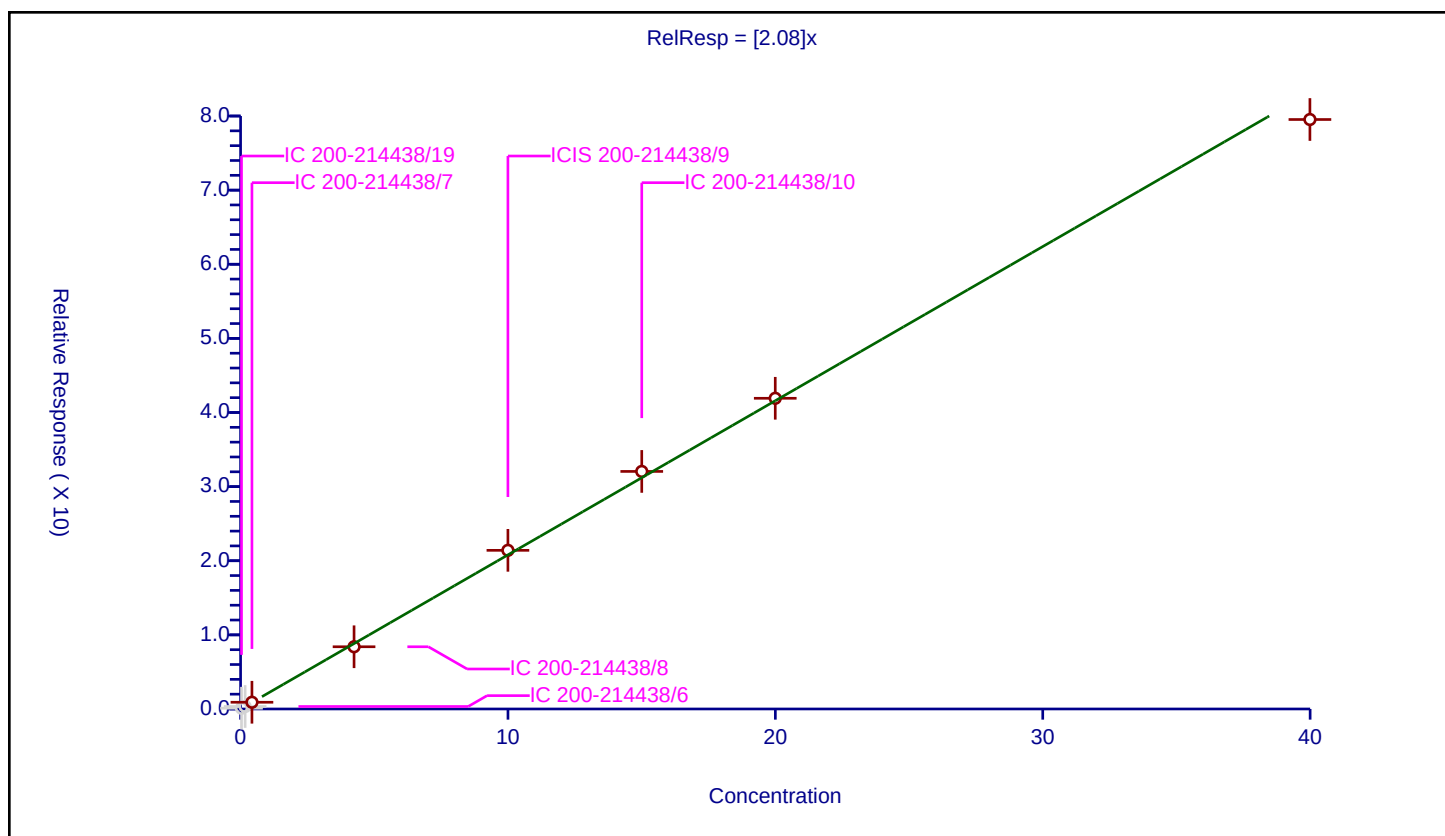
Curve Coefficients

Intercept: 0
Slope: 2.08

Error Coefficients

Relative Standard Deviation: 3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.107062	10.0	77712.0	3.052204	N
2	IC 200-214438/6	0.170374	0.338094	10.0	65958.0	1.984425	N
3	IC 200-214438/7	0.425385	0.909119	10.0	65052.0	2.137169	Y
4	IC 200-214438/8	4.243678	8.393977	10.0	64090.0	1.977996	Y
5	ICIS 200-214438/9	9.99806	21.405009	10.0	65117.0	2.140916	Y
6	IC 200-214438/10	15.003557	32.051643	10.0	66727.0	2.13627	Y
7	IC 200-214438/13	19.99612	41.91849	10.0	66912.0	2.096331	Y
8	IC 200-214438/14	39.99224	79.52883	10.0	75408.0	1.988607	Y



Calibration

/ Vinyl chloride

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

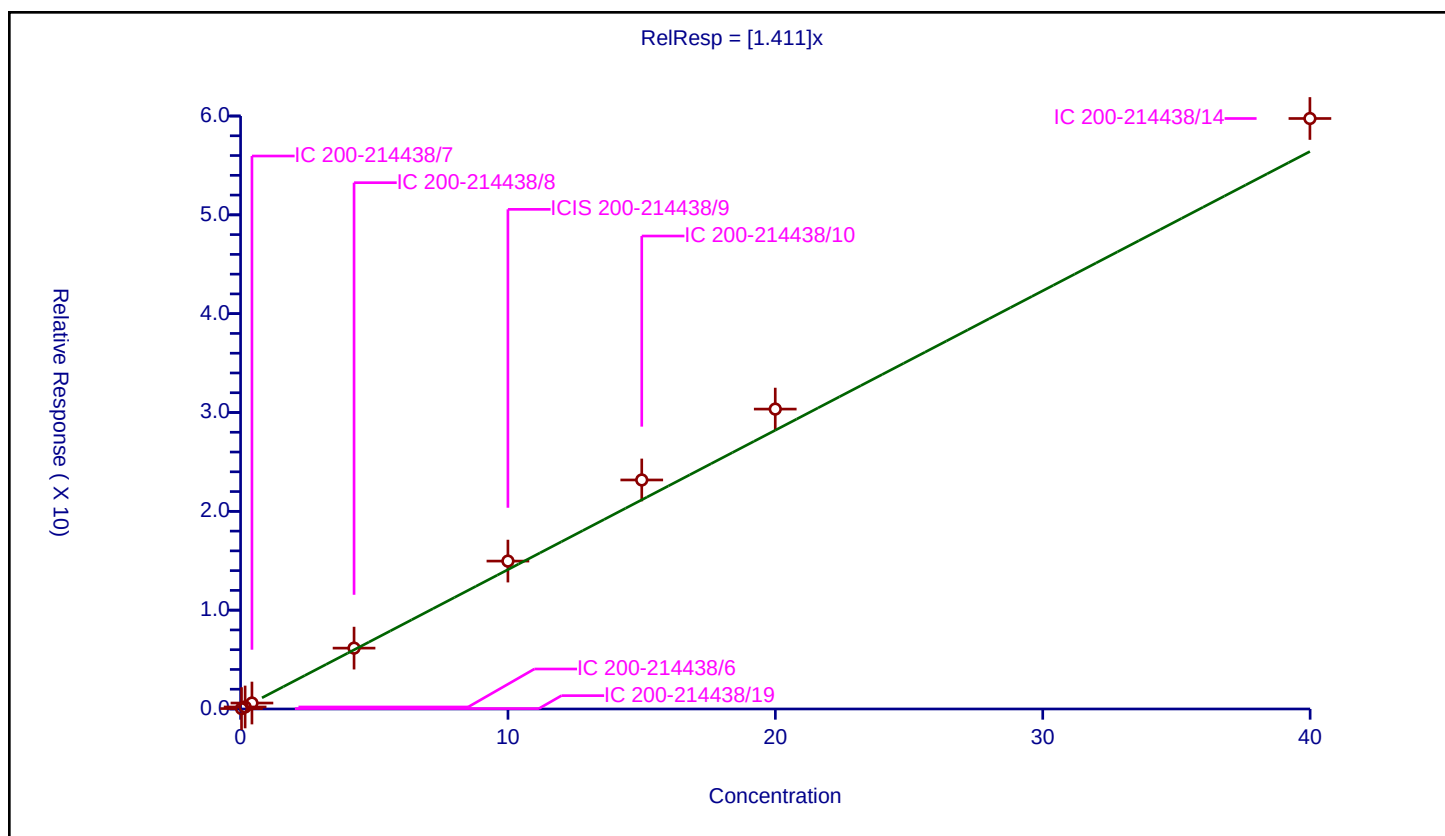
Curve Coefficients

Intercept: 0
 Slope: 1.411

Error Coefficients

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.040663	10.0	77712.0	1.15925	Y
2	IC 200-214438/6	0.170374	0.204827	10.0	65958.0	1.202224	Y
3	IC 200-214438/7	0.425385	0.60321	10.0	65052.0	1.418033	Y
4	IC 200-214438/8	4.243678	6.159619	10.0	64090.0	1.451481	Y
5	ICIS 200-214438/9	9.99806	14.965216	10.0	65117.0	1.496812	Y
6	IC 200-214438/10	15.003557	23.174727	10.0	66727.0	1.544616	Y
7	IC 200-214438/13	19.99612	30.346724	10.0	66912.0	1.517631	Y
8	IC 200-214438/14	39.99224	59.748037	10.0	75408.0	1.493991	Y



Calibration

/ Butadiene

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

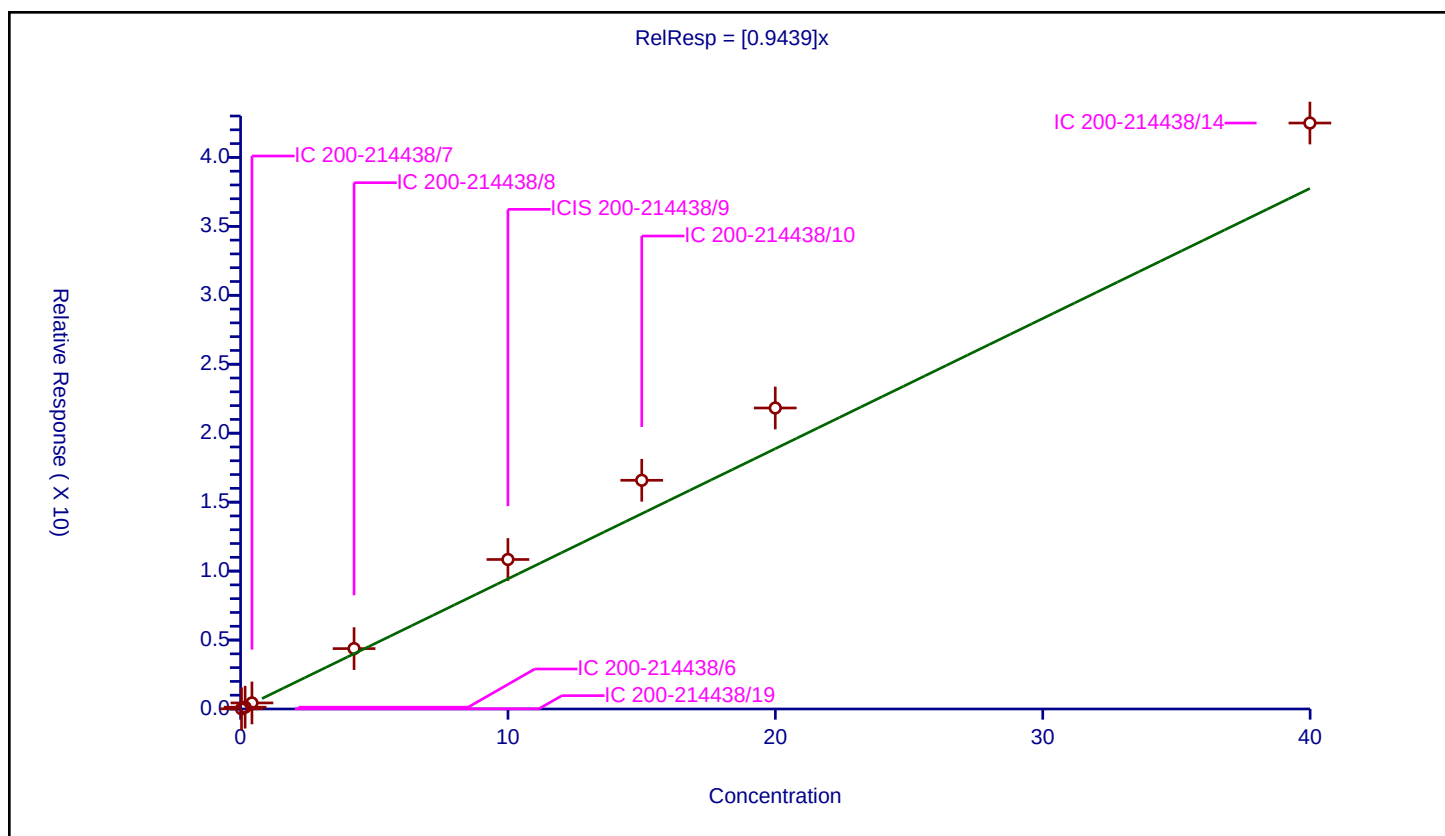
Curve Coefficients

Intercept: 0
Slope: 0.9439

Error Coefficients

Relative Standard Deviation: 27.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.013125	10.0	77712.0	0.374188	Y
2	IC 200-214438/6	0.170374	0.130386	10.0	65958.0	0.765294	Y
3	IC 200-214438/7	0.425385	0.440571	10.0	65052.0	1.035699	Y
4	IC 200-214438/8	4.243678	4.379778	10.0	64090.0	1.032071	Y
5	ICIS 200-214438/9	9.99806	10.841716	10.0	65117.0	1.084382	Y
6	IC 200-214438/10	15.003557	16.58519	10.0	66727.0	1.105417	Y
7	IC 200-214438/13	19.99612	21.827774	10.0	66912.0	1.0916	Y
8	IC 200-214438/14	39.99224	42.492043	10.0	75408.0	1.062507	Y



Calibration

/ Bromomethane

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

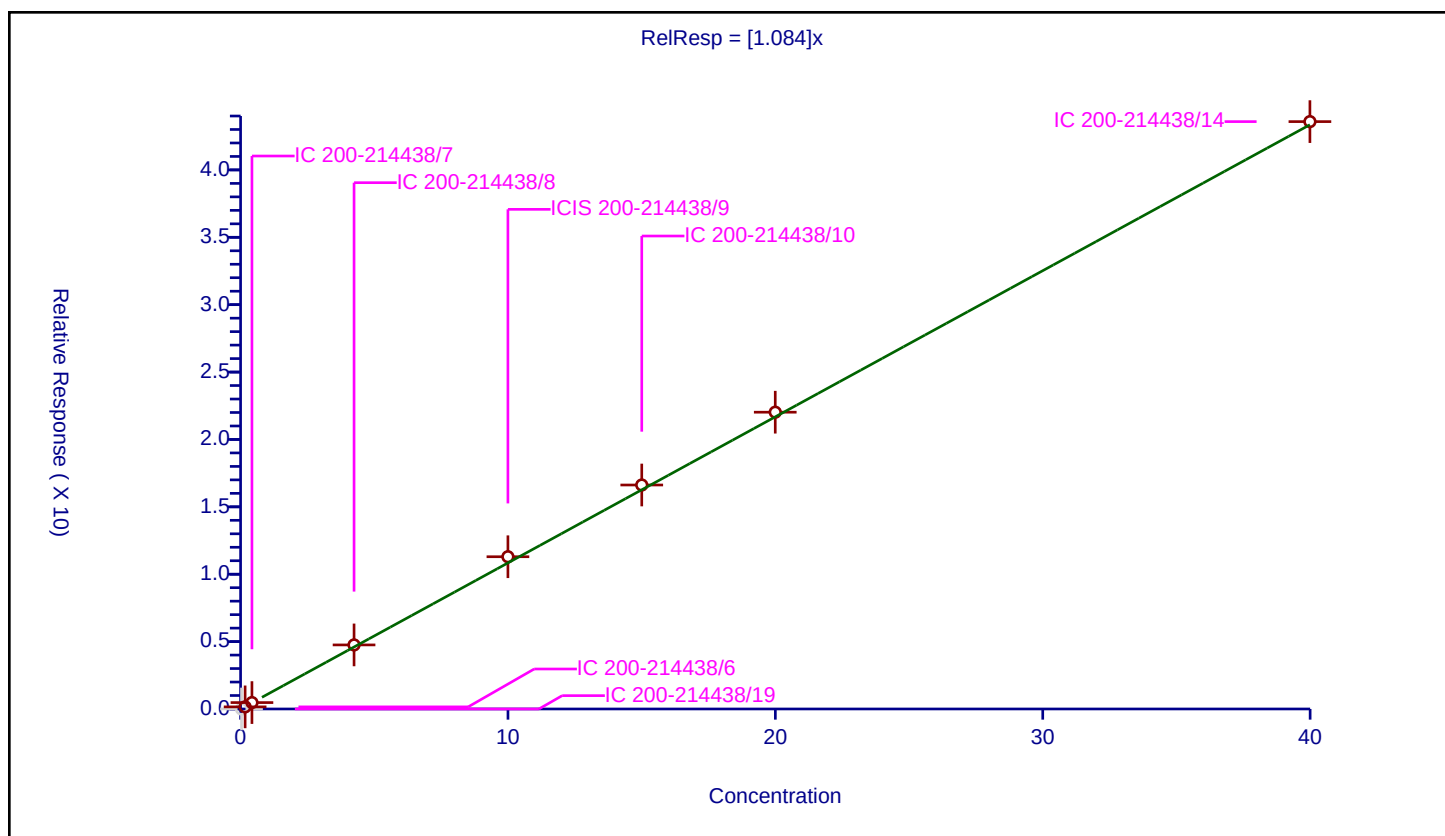
Curve Coefficients

Intercept: 0
 Slope: 1.084

Error Coefficients

Relative Standard Deviation: 6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.157221	10.0	65958.0	0.922802	Y
3	IC 200-214438/7	0.425385	0.475005	10.0	65052.0	1.116647	Y
4	IC 200-214438/8	4.243678	4.753316	10.0	64090.0	1.120093	Y
5	ICIS 200-214438/9	9.99806	11.297203	10.0	65117.0	1.12994	Y
6	IC 200-214438/10	15.003557	16.619659	10.0	66727.0	1.107715	Y
7	IC 200-214438/13	19.99612	22.022956	10.0	66912.0	1.101361	Y
8	IC 200-214438/14	39.99224	43.584368	10.0	75408.0	1.089821	Y



Calibration

/ Chloroethane

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

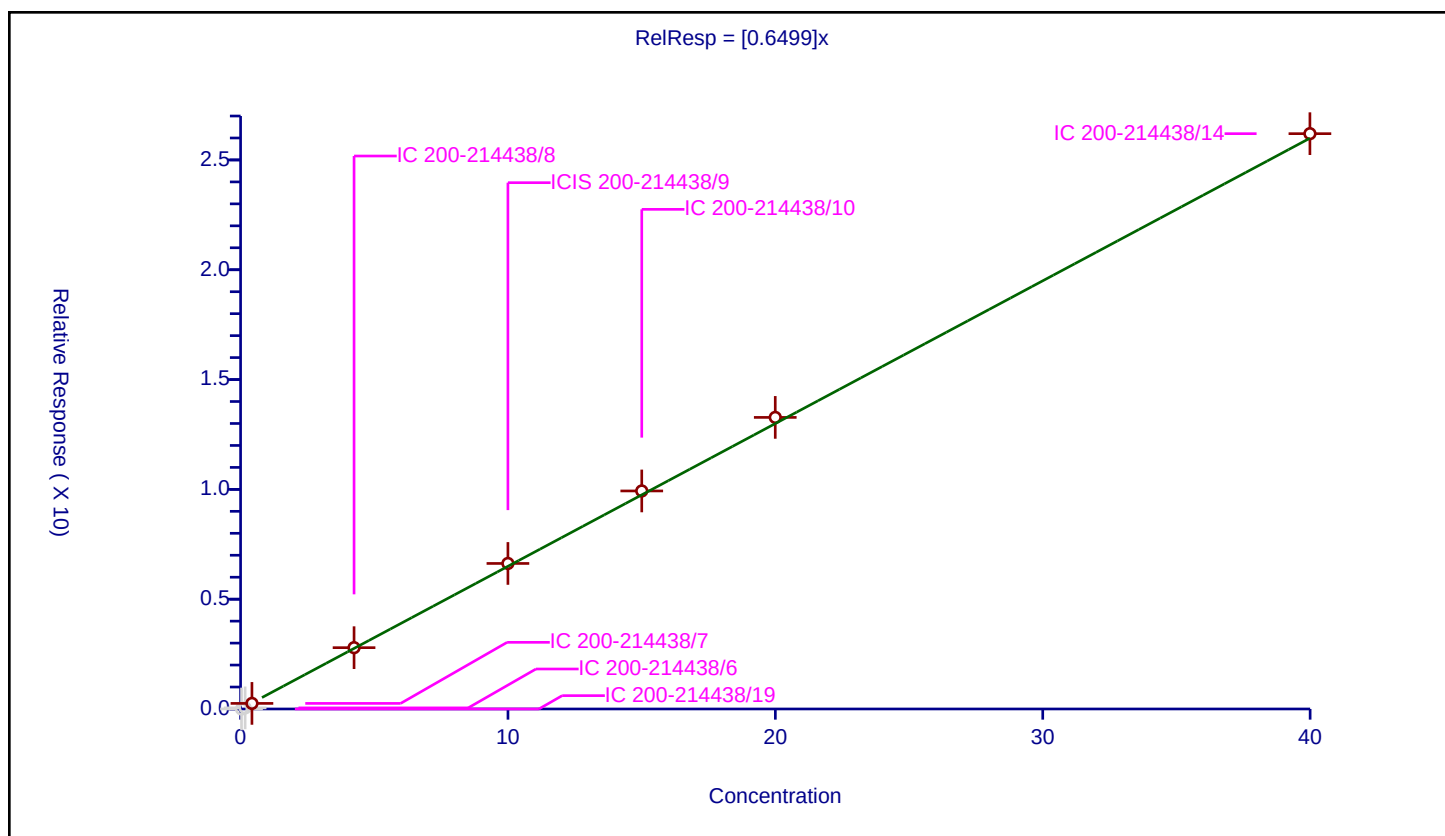
Curve Coefficients

Intercept: 0
 Slope: 0.6499

Error Coefficients

Relative Standard Deviation: 4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.050487	10.0	65958.0	0.296329	N
3	IC 200-214438/7	0.425385	0.254258	10.0	65052.0	0.597713	Y
4	IC 200-214438/8	4.243678	2.792011	10.0	64090.0	0.657922	Y
5	ICIS 200-214438/9	9.99806	6.626994	10.0	65117.0	0.662828	Y
6	IC 200-214438/10	15.003557	9.928065	10.0	66727.0	0.661714	Y
7	IC 200-214438/13	19.99612	13.276393	10.0	66912.0	0.663948	Y
8	IC 200-214438/14	39.99224	26.195894	10.0	75408.0	0.655024	Y



Calibration

/ 2-Methylbutane

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

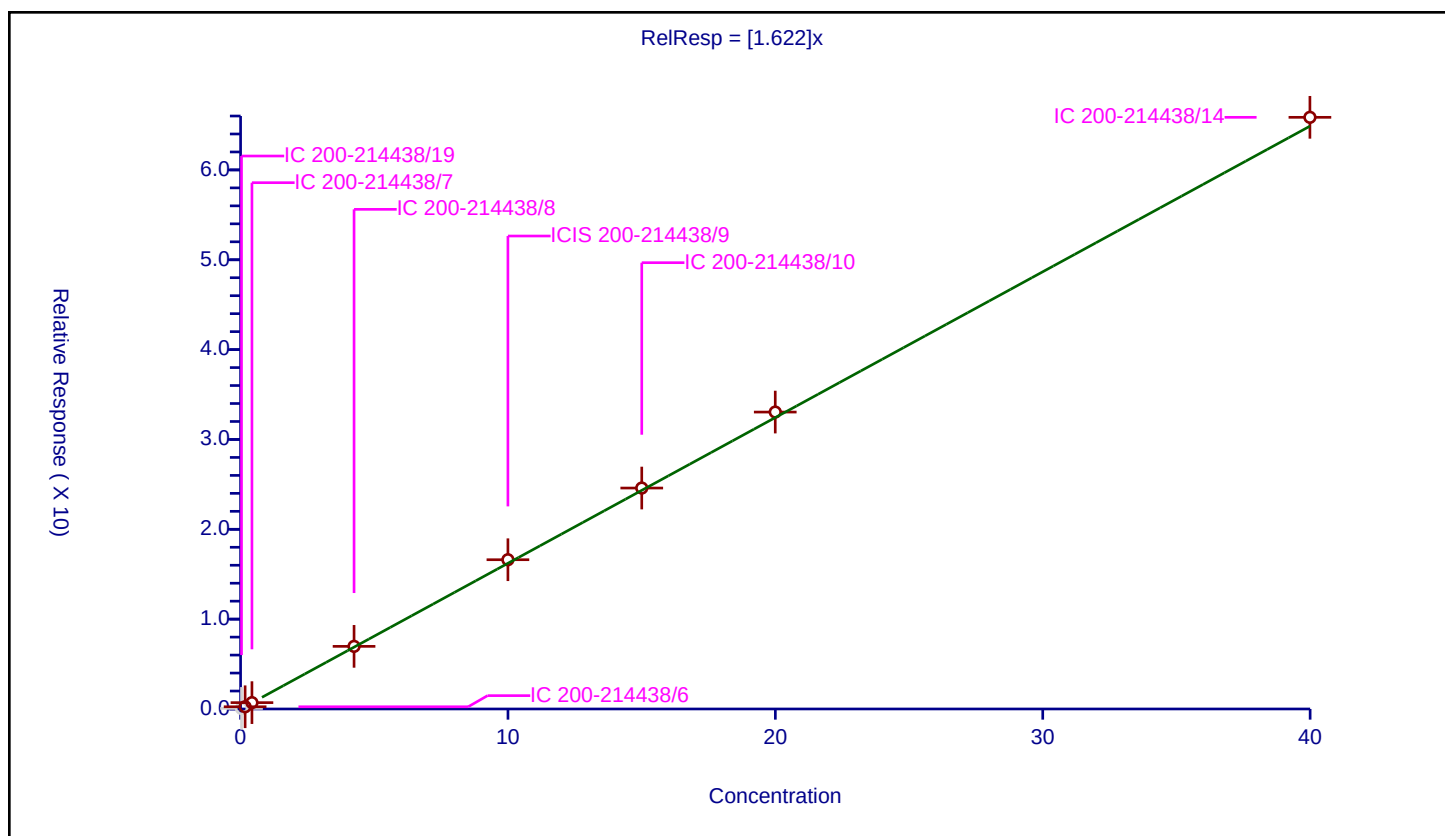
Curve Coefficients

Intercept: 0
Slope: 1.622

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.065241	10.0	77712.0	1.859937	N
2	IC 200-214438/6	0.170374	0.247127	10.0	65958.0	1.450499	Y
3	IC 200-214438/7	0.425385	0.706665	10.0	65052.0	1.661238	Y
4	IC 200-214438/8	4.243678	6.969262	10.0	64090.0	1.642269	Y
5	ICIS 200-214438/9	9.99806	16.61517	10.0	65117.0	1.661839	Y
6	IC 200-214438/10	15.003557	24.591095	10.0	66727.0	1.639018	Y
7	IC 200-214438/13	19.99612	33.04878	10.0	66912.0	1.65276	Y
8	IC 200-214438/14	39.99224	65.853623	10.0	75408.0	1.64666	Y



Calibration

/ Vinyl bromide

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

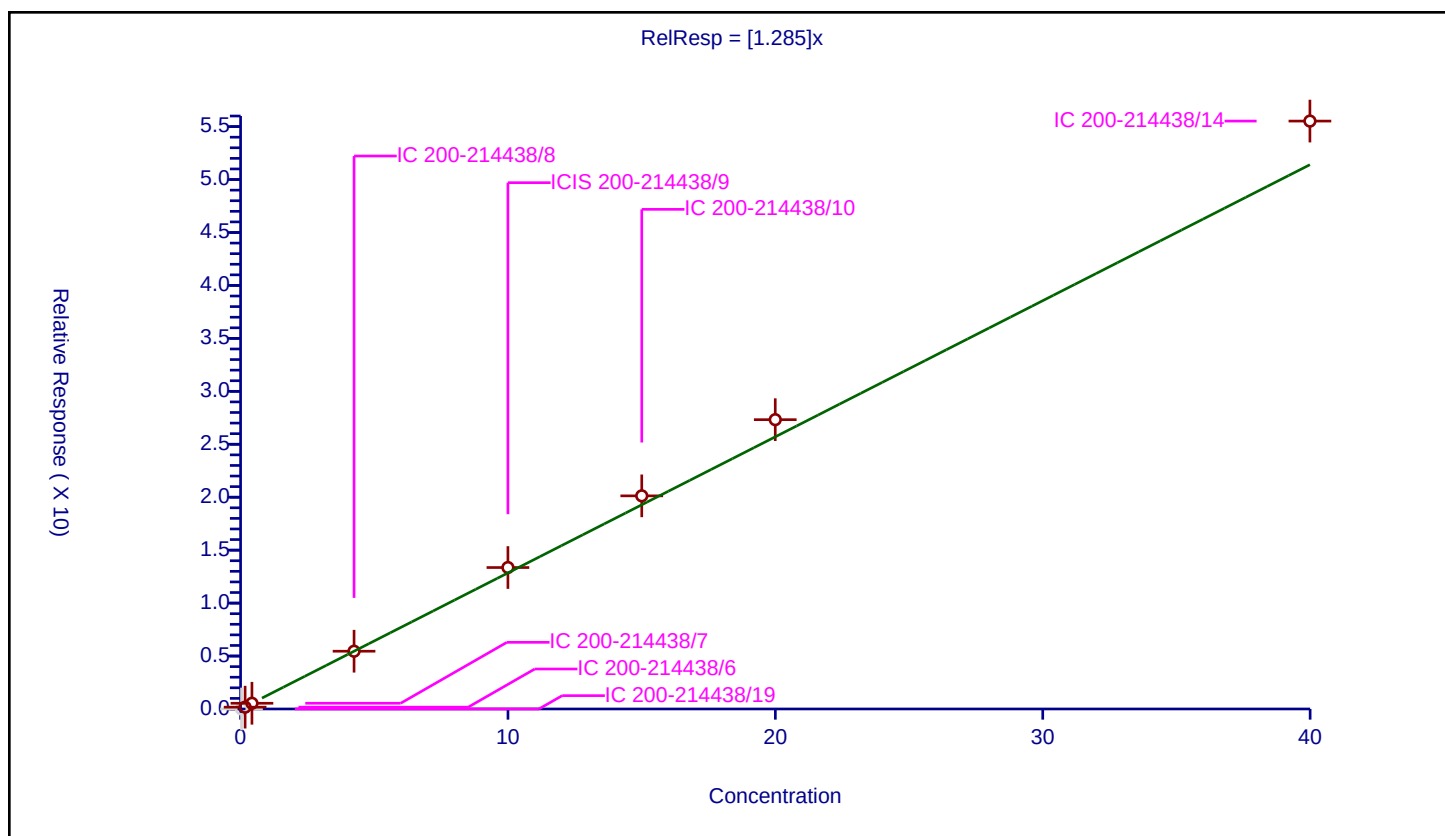
Curve Coefficients

Intercept: 0
 Slope: 1.285

Error Coefficients

Relative Standard Deviation: 10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.172079	10.0	65958.0	1.01001	Y
3	IC 200-214438/7	0.425385	0.539722	10.0	65052.0	1.268786	Y
4	IC 200-214438/8	4.243678	5.456077	10.0	64090.0	1.285695	Y
5	ICIS 200-214438/9	9.99806	13.359799	10.0	65117.0	1.336239	Y
6	IC 200-214438/10	15.003557	20.129333	10.0	66727.0	1.341637	Y
7	IC 200-214438/13	19.99612	27.323051	10.0	66912.0	1.366418	Y
8	IC 200-214438/14	39.99224	55.522624	10.0	75408.0	1.388335	Y



Calibration

/ Trichlorofluoromethane

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

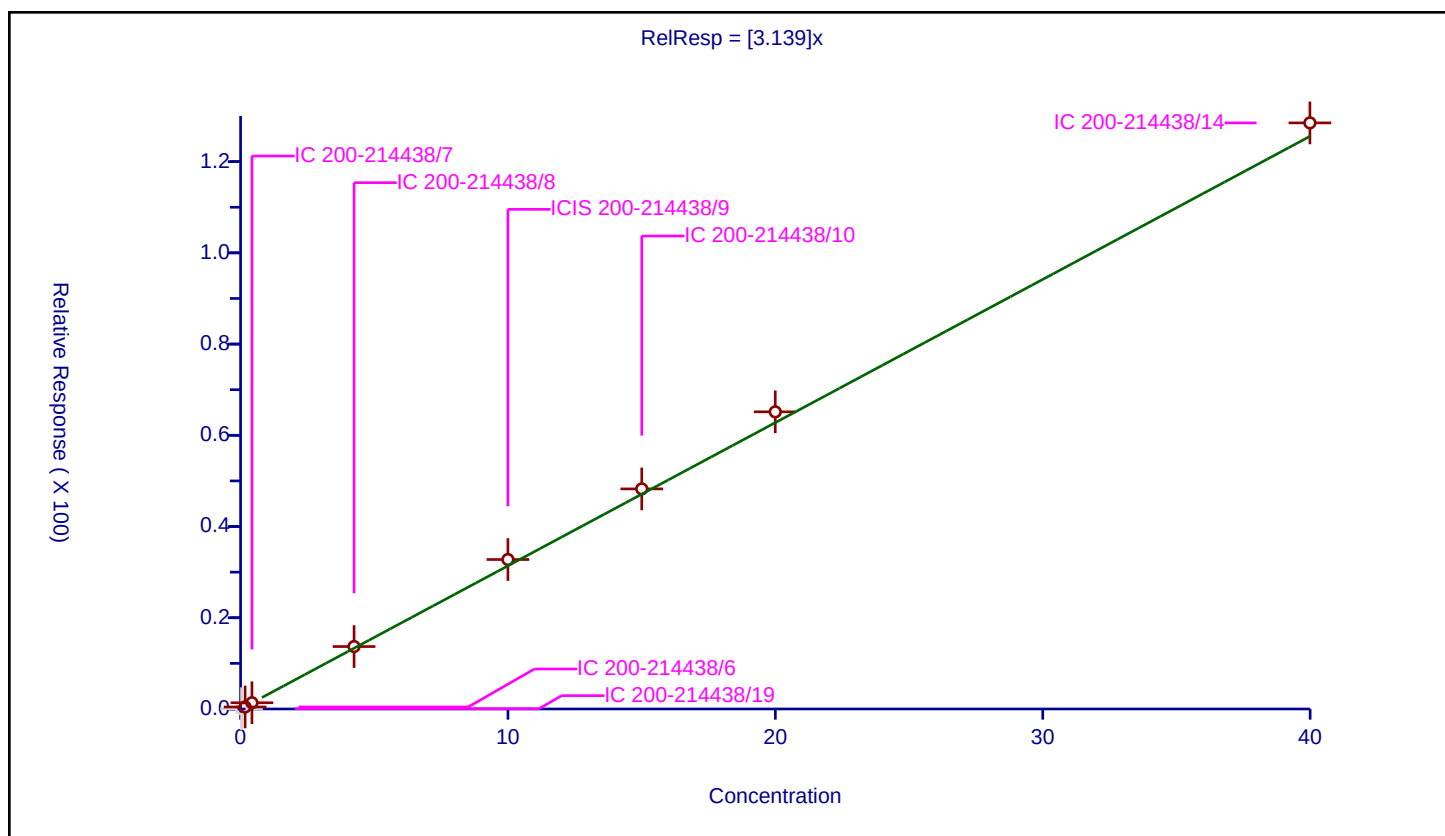
Curve Coefficients

Intercept: 0
Slope: 3.139

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.058421	10.0	77712.0	1.665505	N
2	IC 200-214438/6	0.170374	0.439825	10.0	65958.0	2.581533	Y
3	IC 200-214438/7	0.425385	1.362756	10.0	65052.0	3.203585	Y
4	IC 200-214438/8	4.243678	13.687159	10.0	64090.0	3.225305	Y
5	ICIS 200-214438/9	9.99806	32.766559	10.0	65117.0	3.277292	Y
6	IC 200-214438/10	15.003557	48.254829	10.0	66727.0	3.216226	Y
7	IC 200-214438/13	19.99612	65.144668	10.0	66912.0	3.257865	Y
8	IC 200-214438/14	39.99224	128.493529	10.0	75408.0	3.212962	Y



Calibration

/ Pentane

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

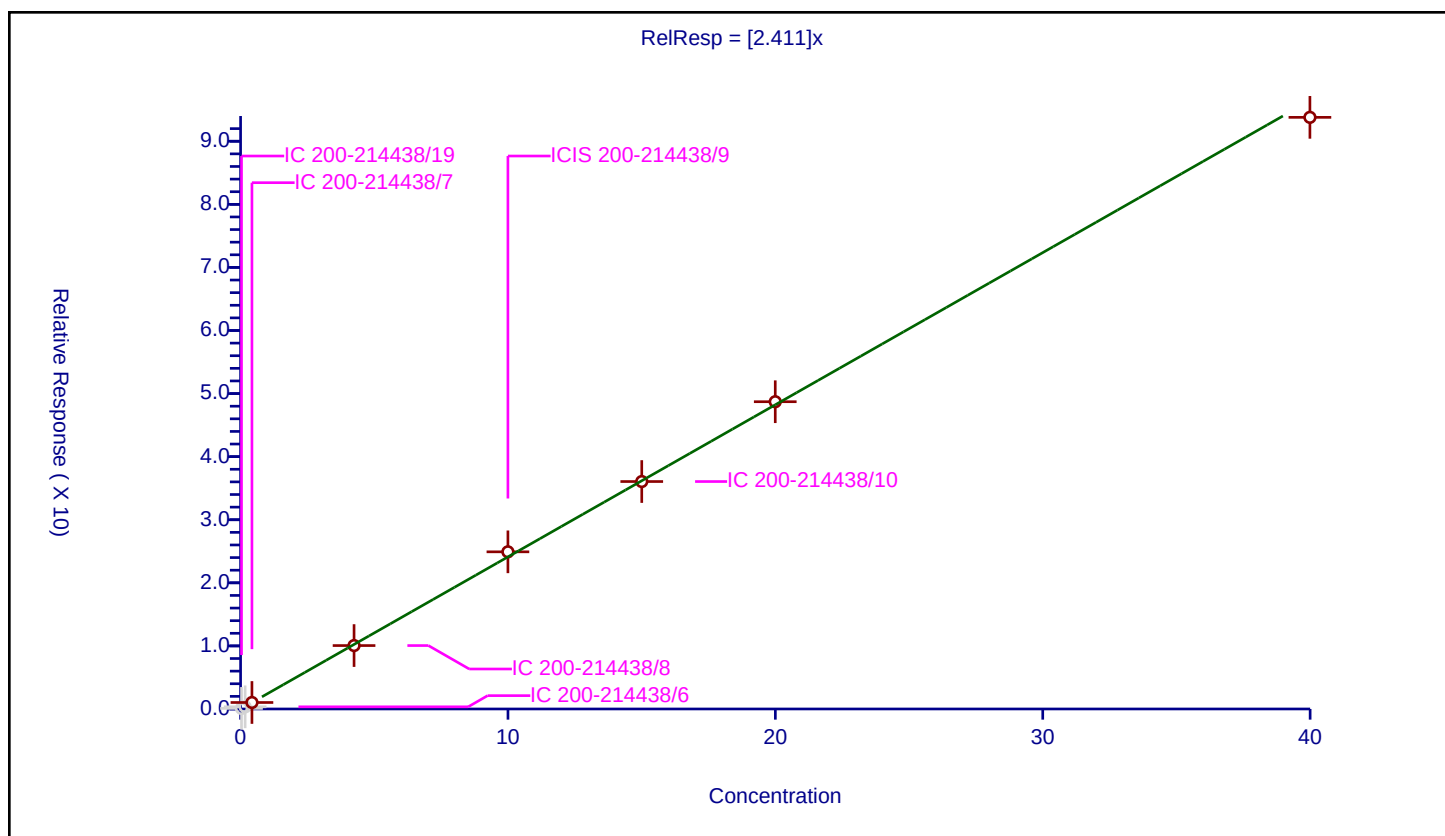
Curve Coefficients

Intercept: 0
Slope: 2.411

Error Coefficients

Relative Standard Deviation: 2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.09458	10.0	77712.0	2.696358	N
2	IC 200-214438/6	0.170374	0.346129	10.0	65958.0	2.031589	N
3	IC 200-214438/7	0.425385	1.030868	10.0	65052.0	2.423377	Y
4	IC 200-214438/8	4.243678	10.053675	10.0	64090.0	2.369094	Y
5	ICIS 200-214438/9	9.99806	24.915306	10.0	65117.0	2.492014	Y
6	IC 200-214438/10	15.003557	36.05572	10.0	66727.0	2.403145	Y
7	IC 200-214438/13	19.99612	48.708602	10.0	66912.0	2.435903	Y
8	IC 200-214438/14	39.99224	93.787264	10.0	75408.0	2.345137	Y



Calibration

/ Ethanol

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

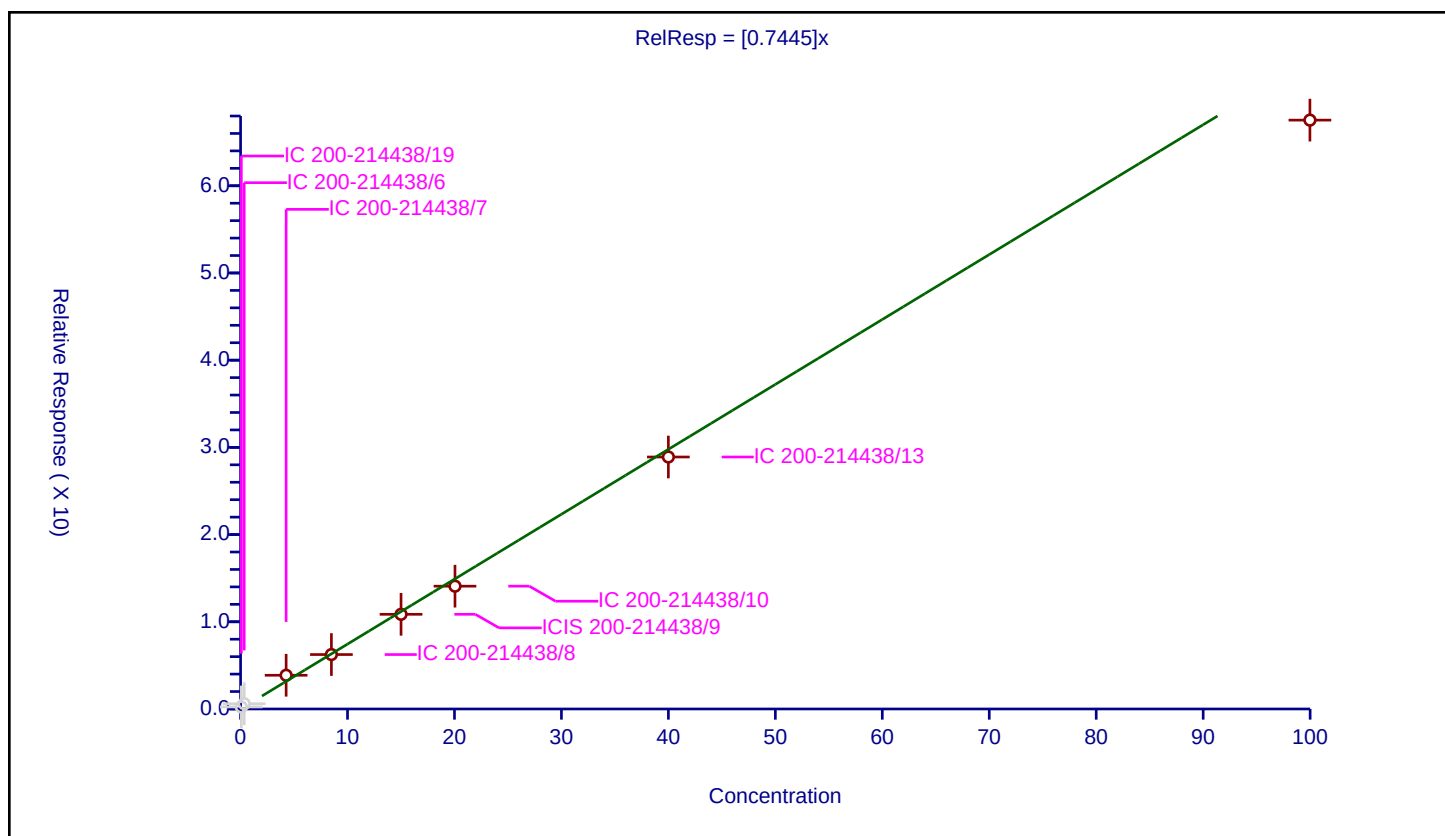
Curve Coefficients

Intercept: 0
Slope: 0.7445

Error Coefficients

Relative Standard Deviation: 11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.070165	0.232011	10.0	77712.0	3.306631	N
2	IC 200-214438/6	0.340803	0.603111	10.0	65958.0	1.769679	N
3	IC 200-214438/7	4.259043	3.866292	10.0	65052.0	0.907784	Y
4	IC 200-214438/8	8.492854	6.242159	10.0	64090.0	0.73499	Y
5	ICIS 200-214438/9	15.003557	10.856458	10.0	65117.0	0.723592	Y
6	IC 200-214438/10	20.047856	14.084104	10.0	66727.0	0.702524	Y
7	IC 200-214438/13	39.998707	28.897208	10.0	66912.0	0.722454	Y
8	IC 200-214438/14	99.980599	67.530368	10.0	75408.0	0.675435	Y



Calibration

/ Ethyl ether

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

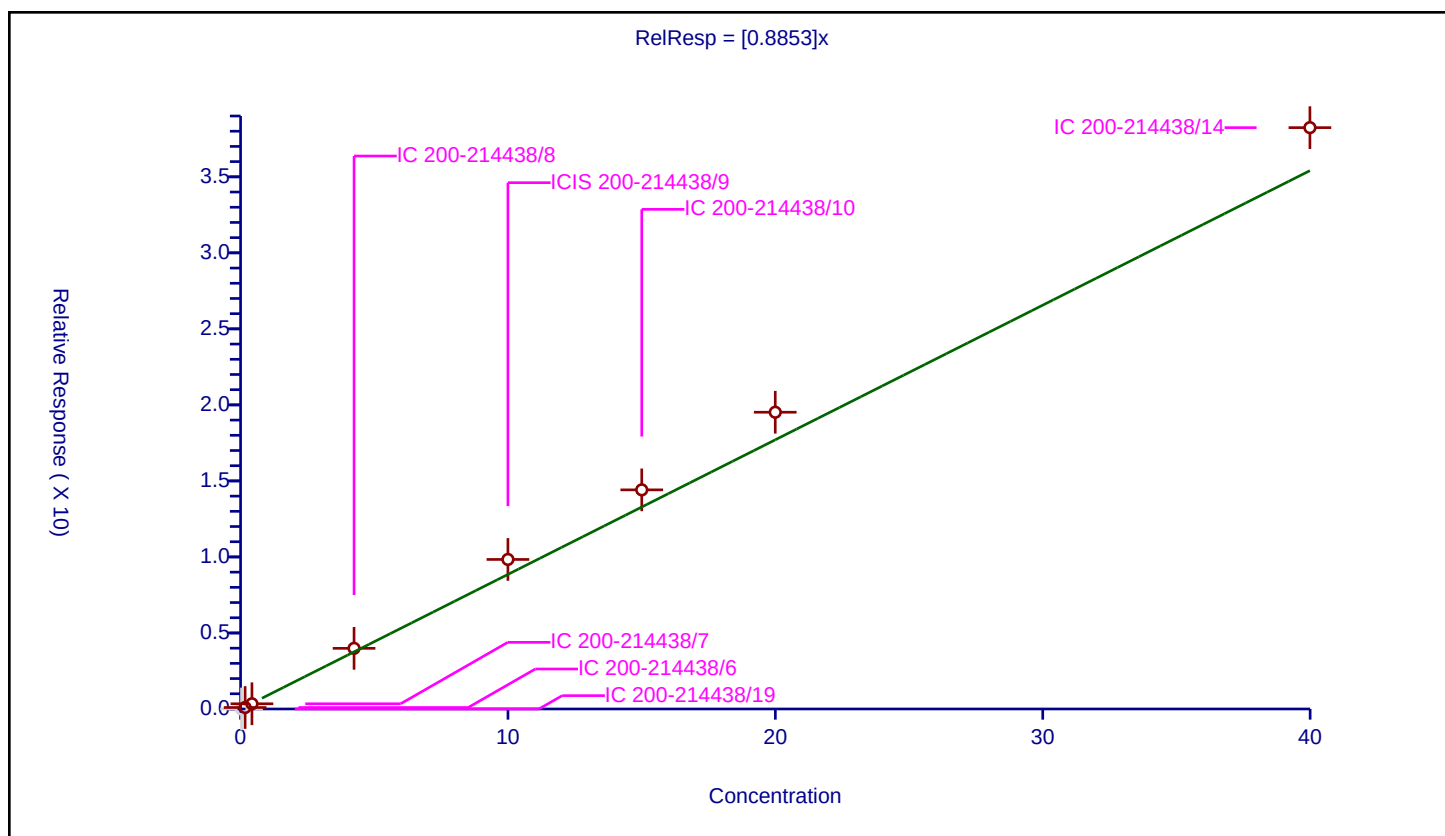
Curve Coefficients

Intercept: 0
Slope: 0.8853

Error Coefficients

Relative Standard Deviation: 16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.09779	10.0	65958.0	0.573971	Y
3	IC 200-214438/7	0.425385	0.343264	10.0	65052.0	0.806949	Y
4	IC 200-214438/8	4.243678	3.98861	10.0	64090.0	0.939894	Y
5	ICIS 200-214438/9	9.99806	9.835066	10.0	65117.0	0.983697	Y
6	IC 200-214438/10	15.003557	14.412307	10.0	66727.0	0.960593	Y
7	IC 200-214438/13	19.99612	19.517725	10.0	66912.0	0.976076	Y
8	IC 200-214438/14	39.99224	38.235333	10.0	75408.0	0.956069	Y



Calibration

/ Acrolein

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

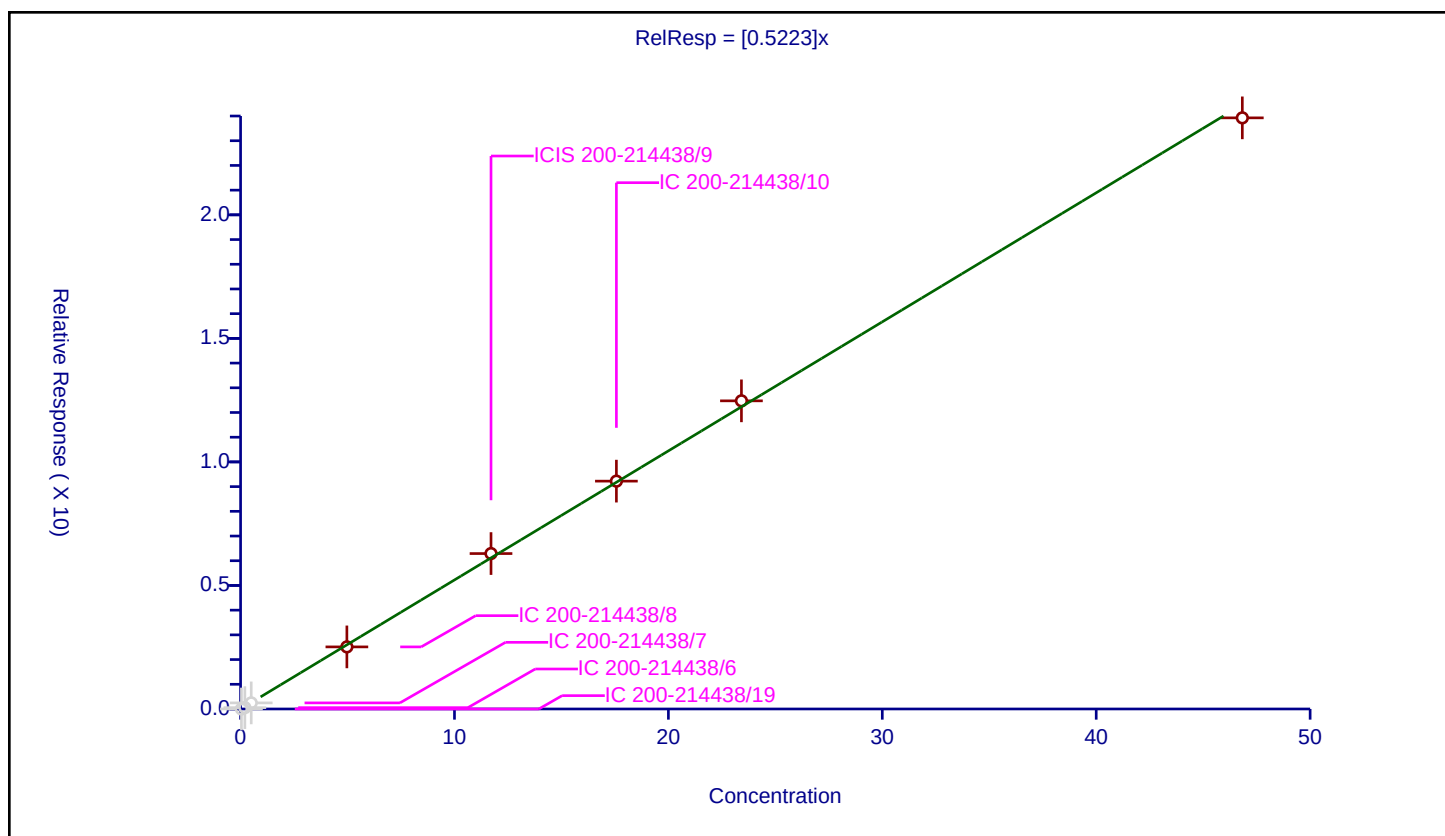
Curve Coefficients

Intercept: 0
Slope: 0.5223

Error Coefficients

Relative Standard Deviation: 2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.041075	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.199508	0.055035	10.0	65958.0	0.275854	N
3	IC 200-214438/7	0.498125	0.246726	10.0	65052.0	0.495308	N
4	IC 200-214438/8	4.969347	2.513341	10.0	64090.0	0.505769	Y
5	ICIS 200-214438/9	11.707728	6.29083	10.0	65117.0	0.537323	Y
6	IC 200-214438/10	17.569165	9.222204	10.0	66727.0	0.524908	Y
7	IC 200-214438/13	23.415456	12.471754	10.0	66912.0	0.532629	Y
8	IC 200-214438/14	46.830913	23.925711	10.0	75408.0	0.510896	Y



Calibration

/ 1,1-Dichloroethene

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

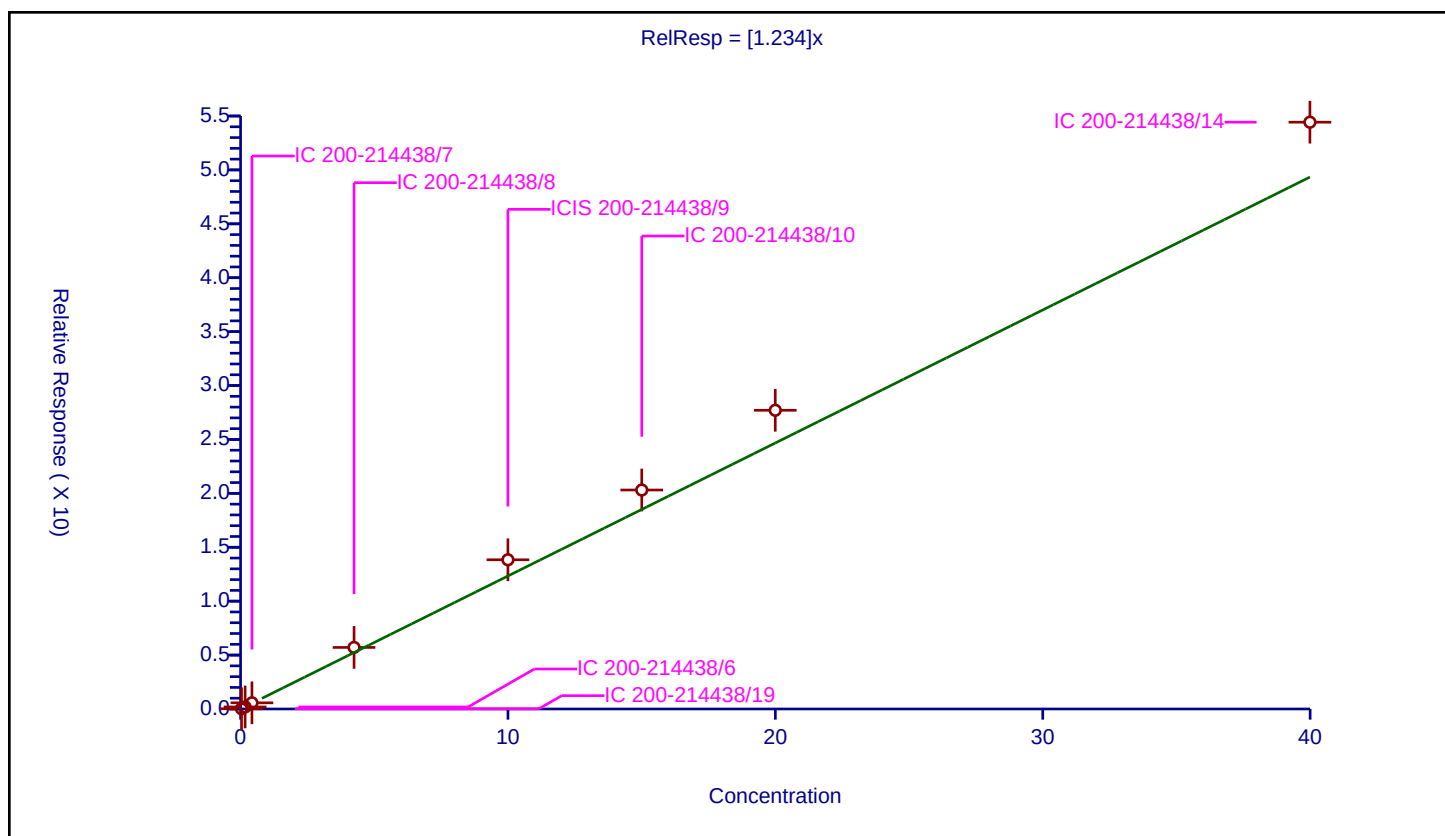
Curve Coefficients

Intercept: 0
 Slope: 1.234

Error Coefficients

Relative Standard Deviation: 22.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.020589	10.0	77712.0	0.586962	Y
2	IC 200-214438/6	0.170374	0.18815	10.0	65958.0	1.104337	Y
3	IC 200-214438/7	0.425385	0.573234	10.0	65052.0	1.347565	Y
4	IC 200-214438/8	4.243678	5.710719	10.0	64090.0	1.3457	Y
5	ICIS 200-214438/9	9.99806	13.840472	10.0	65117.0	1.384316	Y
6	IC 200-214438/10	15.003557	20.30932	10.0	66727.0	1.353634	Y
7	IC 200-214438/13	19.99612	27.70654	10.0	66912.0	1.385596	Y
8	IC 200-214438/14	39.99224	54.426984	10.0	75408.0	1.360939	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

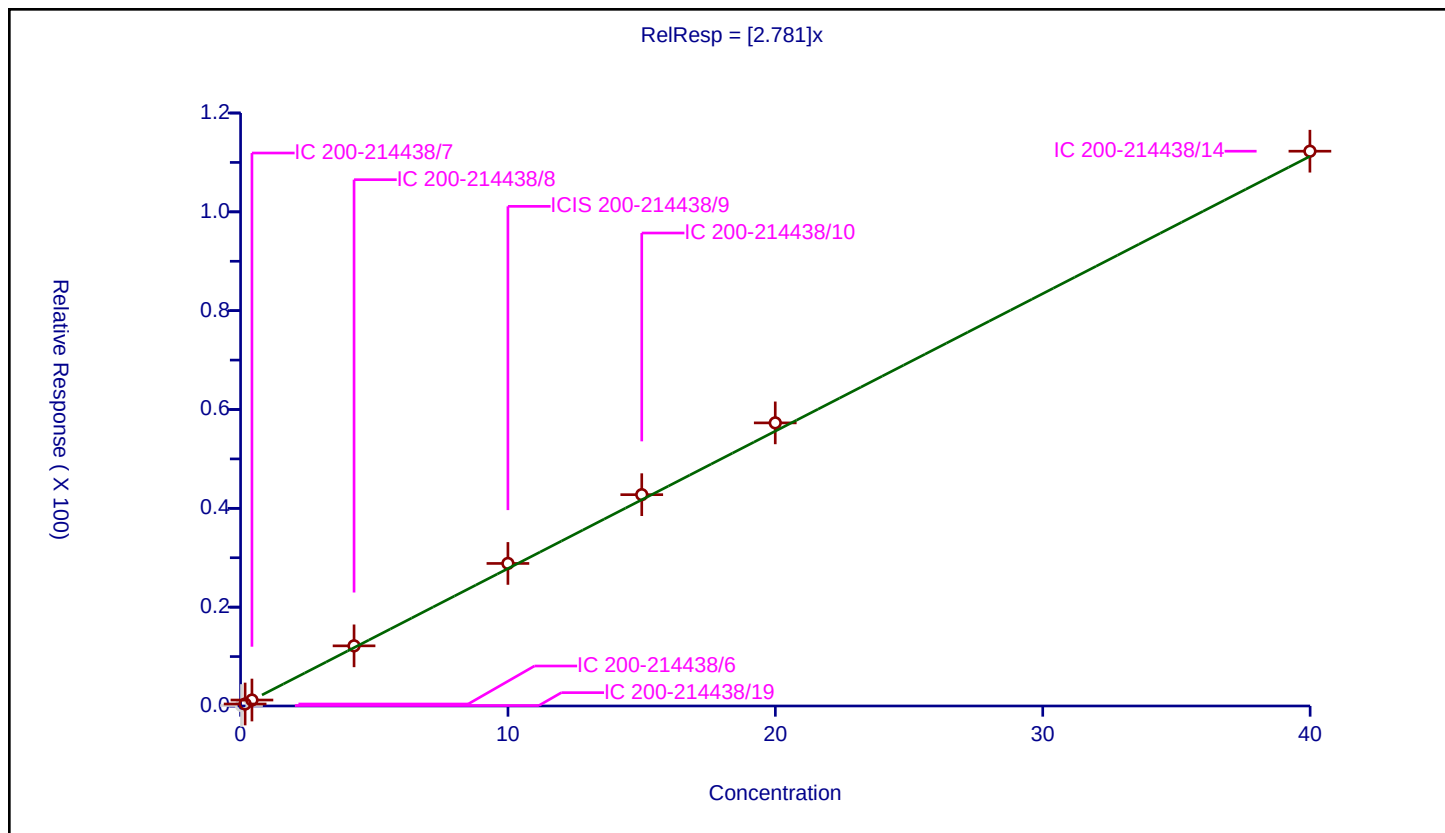
Curve Coefficients

Intercept: 0
 Slope: 2.781

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.09458	10.0	77712.0	2.696358	N
2	IC 200-214438/6	0.170374	0.401316	10.0	65958.0	2.355504	Y
3	IC 200-214438/7	0.425385	1.206881	10.0	65052.0	2.837151	Y
4	IC 200-214438/8	4.243678	12.173974	10.0	64090.0	2.868732	Y
5	ICIS 200-214438/9	9.99806	28.84792	10.0	65117.0	2.885352	Y
6	IC 200-214438/10	15.003557	42.763199	10.0	66727.0	2.850204	Y
7	IC 200-214438/13	19.99612	57.29346	10.0	66912.0	2.865229	Y
8	IC 200-214438/14	39.99224	112.273897	10.0	75408.0	2.807392	Y



Calibration

/ Acetone

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

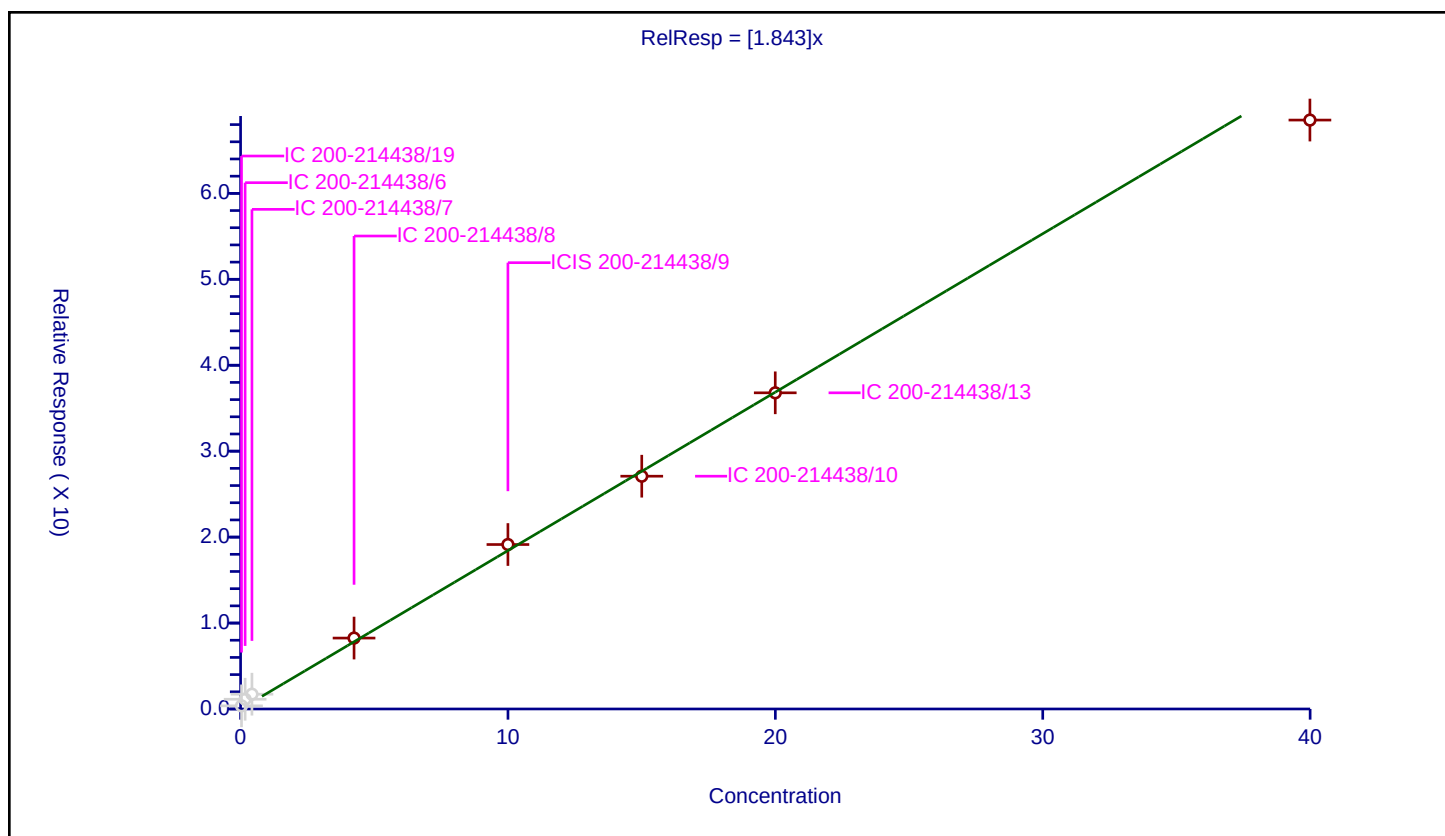
Curve Coefficients

Intercept: 0
 Slope: 1.843

Error Coefficients

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.363522	10.0	77712.0	10.363552	N
2	IC 200-214438/6	0.170374	1.134358	10.0	65958.0	6.658059	N
3	IC 200-214438/7	0.425385	1.721546	10.0	65052.0	4.047033	N
4	IC 200-214438/8	4.243678	8.251365	10.0	64090.0	1.94439	Y
5	ICIS 200-214438/9	9.99806	19.136477	10.0	65117.0	1.914019	Y
6	IC 200-214438/10	15.003557	27.087536	10.0	66727.0	1.805408	Y
7	IC 200-214438/13	19.99612	36.789216	10.0	66912.0	1.839818	Y
8	IC 200-214438/14	39.99224	68.529864	10.0	75408.0	1.713579	Y



Calibration

/ Carbon disulfide

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

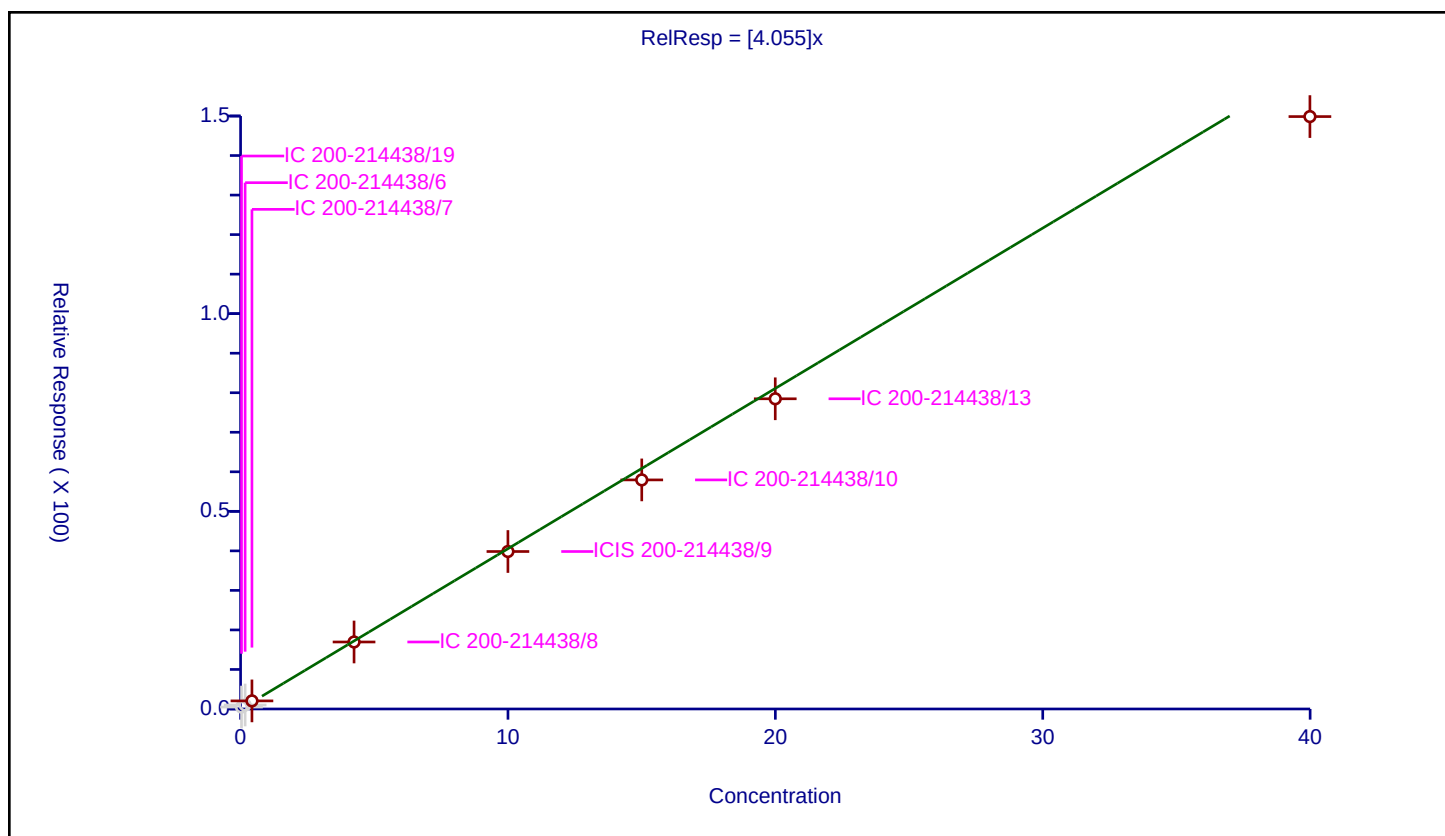
Curve Coefficients

Intercept: 0
 Slope: 4.055

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.489628	10.0	77712.0	13.958696	N
2	IC 200-214438/6	0.170374	1.006853	10.0	65958.0	5.909672	N
3	IC 200-214438/7	0.425385	2.049437	10.0	65052.0	4.817845	Y
4	IC 200-214438/8	4.243678	16.949602	10.0	64090.0	3.994083	Y
5	ICIS 200-214438/9	9.99806	39.834145	10.0	65117.0	3.984187	Y
6	IC 200-214438/10	15.003557	57.950755	10.0	66727.0	3.862468	Y
7	IC 200-214438/13	19.99612	78.469333	10.0	66912.0	3.924228	Y
8	IC 200-214438/14	39.99224	149.860625	10.0	75408.0	3.747243	Y



Calibration

/ Isopropyl alcohol

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

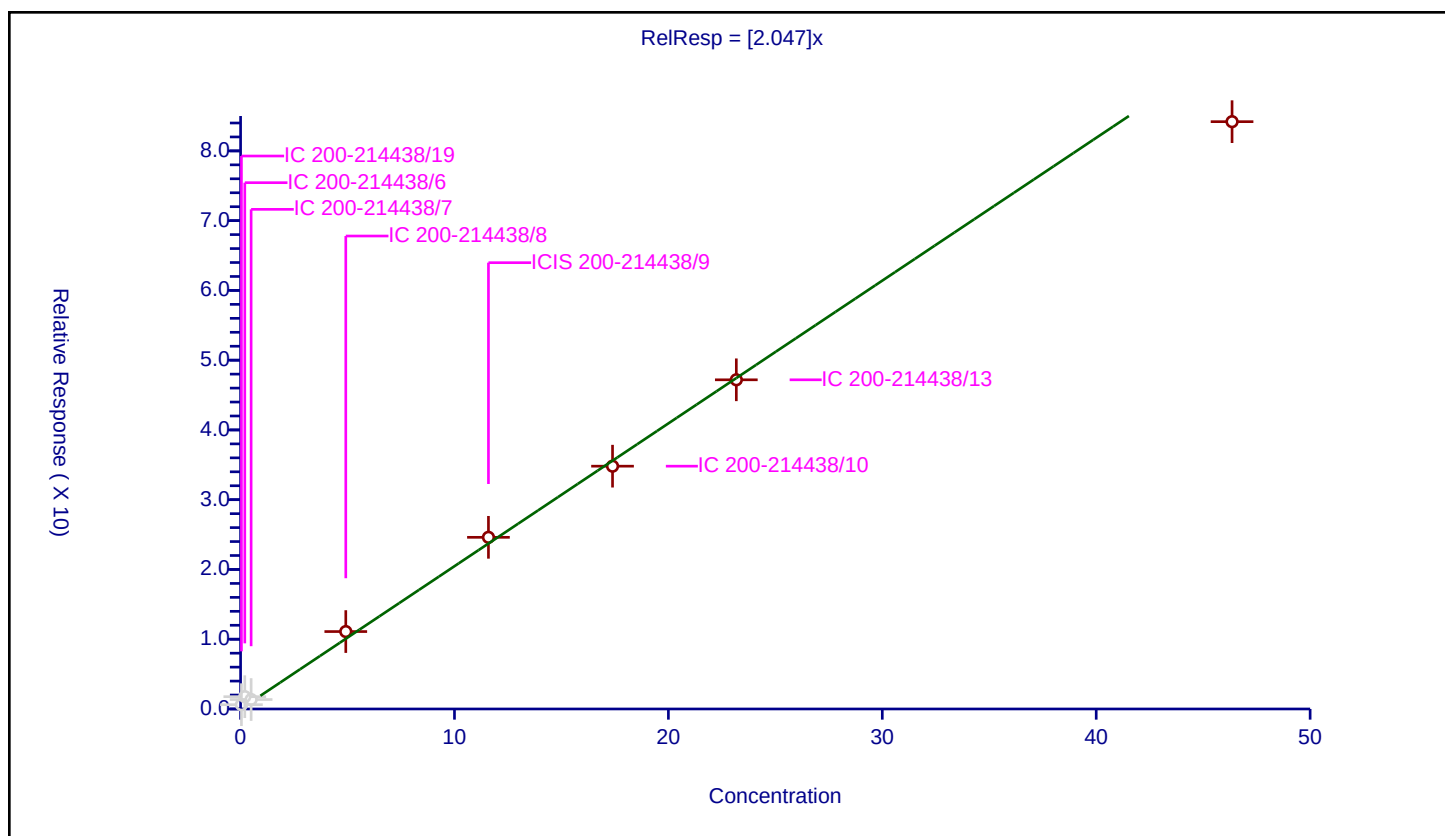
Curve Coefficients

Intercept: 0
 Slope: 2.047

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.040654	0.615735	10.0	77712.0	15.145677	N
2	IC 200-214438/6	0.197463	1.763698	10.0	65958.0	8.931784	N
3	IC 200-214438/7	0.493021	1.354147	10.0	65052.0	2.746633	N
4	IC 200-214438/8	4.918423	11.097363	10.0	64090.0	2.256285	Y
5	ICIS 200-214438/9	11.587751	24.608935	10.0	65117.0	2.123702	Y
6	IC 200-214438/10	17.389122	34.804352	10.0	66727.0	2.001501	Y
7	IC 200-214438/13	23.175503	47.187649	10.0	66912.0	2.0361	Y
8	IC 200-214438/14	46.351006	84.189078	10.0	75408.0	1.816338	Y



Calibration

/ Acetonitrile

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

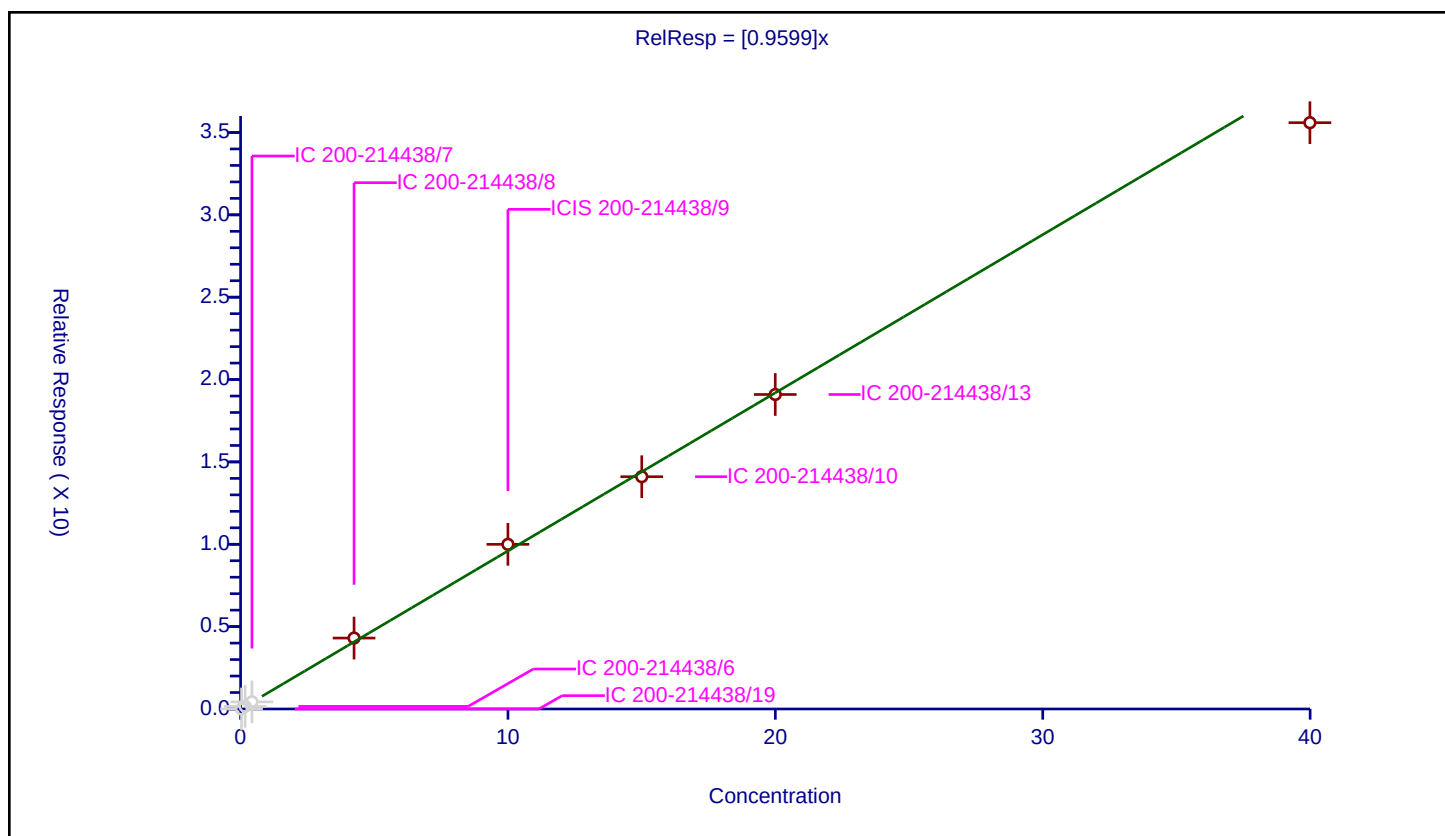
Curve Coefficients

Intercept: 0
Slope: 0.9599

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.157676	10.0	65958.0	0.925472	N
3	IC 200-214438/7	0.425385	0.432423	10.0	65052.0	1.016546	N
4	IC 200-214438/8	4.243678	4.305976	10.0	64090.0	1.01468	Y
5	ICIS 200-214438/9	9.99806	9.996468	10.0	65117.0	0.999841	Y
6	IC 200-214438/10	15.003557	14.102088	10.0	66727.0	0.939916	Y
7	IC 200-214438/13	19.99612	19.092539	10.0	66912.0	0.954812	Y
8	IC 200-214438/14	39.99224	35.595162	10.0	75408.0	0.890052	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

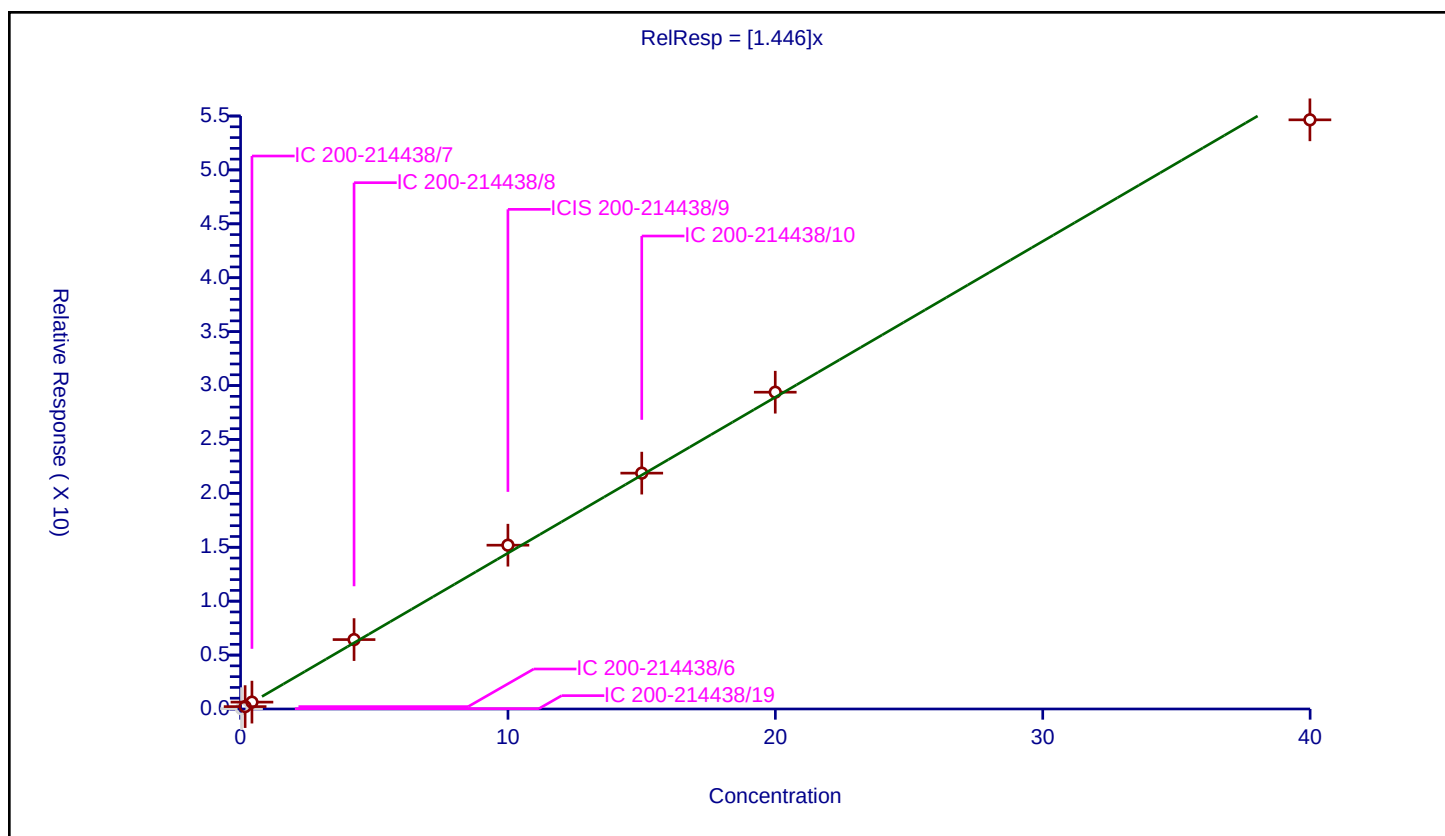
Curve Coefficients

Intercept: 0
Slope: 1.446

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.030111	10.0	77712.0	0.858432	N
2	IC 200-214438/6	0.170374	0.220595	10.0	65958.0	1.294771	Y
3	IC 200-214438/7	0.425385	0.636875	10.0	65052.0	1.497174	Y
4	IC 200-214438/8	4.243678	6.436105	10.0	64090.0	1.516634	Y
5	ICIS 200-214438/9	9.99806	15.191732	10.0	65117.0	1.519468	Y
6	IC 200-214438/10	15.003557	21.876152	10.0	66727.0	1.458064	Y
7	IC 200-214438/13	19.99612	29.382024	10.0	66912.0	1.469386	Y
8	IC 200-214438/14	39.99224	54.645263	10.0	75408.0	1.366397	Y



Calibration

/ Methylene Chloride

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

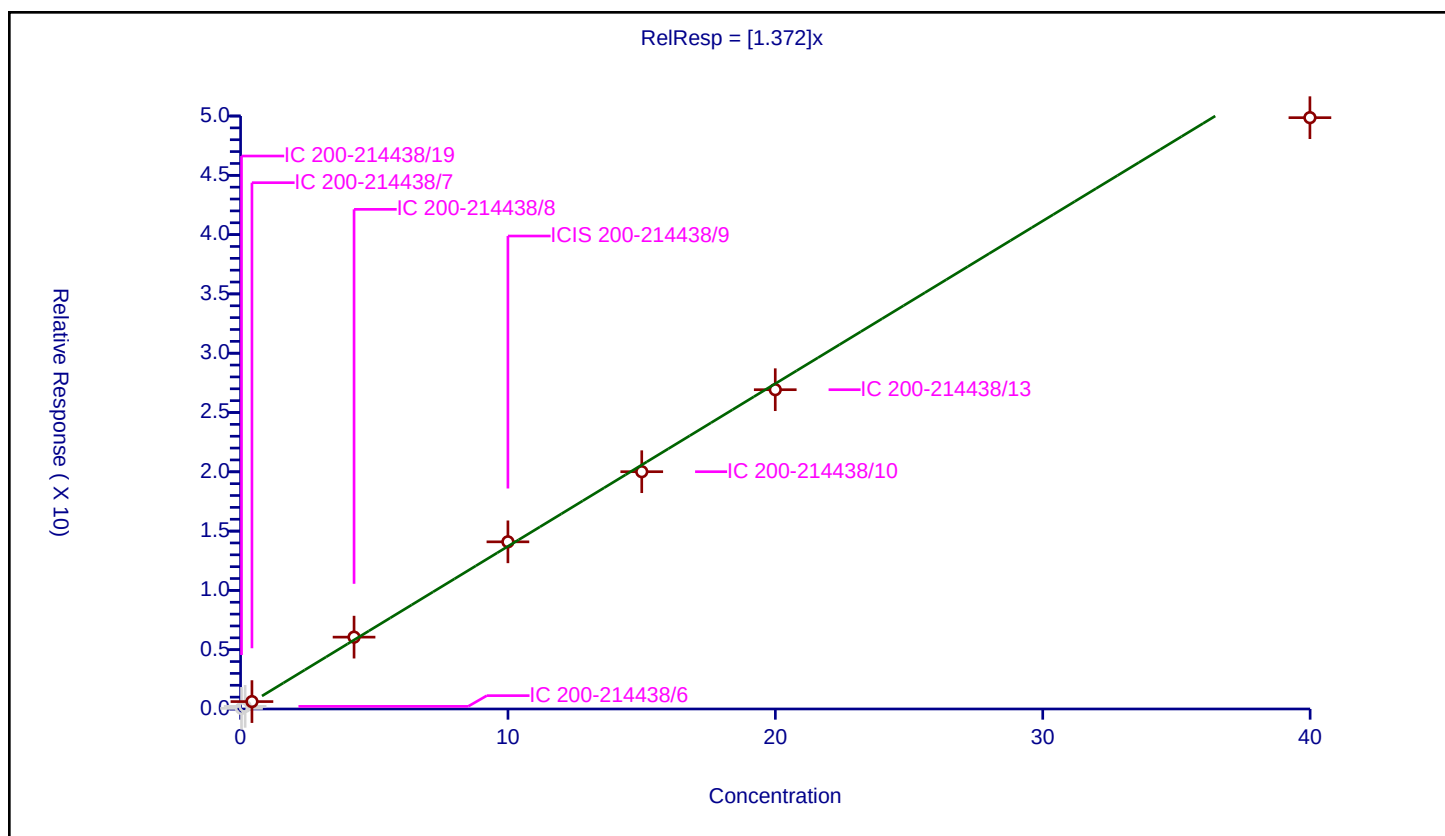
Curve Coefficients

Intercept: 0
 Slope: 1.372

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.051729	10.0	77712.0	1.474743	N
2	IC 200-214438/6	0.170374	0.222414	10.0	65958.0	1.305449	N
3	IC 200-214438/7	0.425385	0.623501	10.0	65052.0	1.465735	Y
4	IC 200-214438/8	4.243678	6.058511	10.0	64090.0	1.427656	Y
5	ICIS 200-214438/9	9.99806	14.096012	10.0	65117.0	1.409875	Y
6	IC 200-214438/10	15.003557	20.008992	10.0	66727.0	1.333617	Y
7	IC 200-214438/13	19.99612	26.922824	10.0	66912.0	1.346402	Y
8	IC 200-214438/14	39.99224	49.860625	10.0	75408.0	1.246758	Y



Calibration

/ 2-Methyl-2-propanol

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

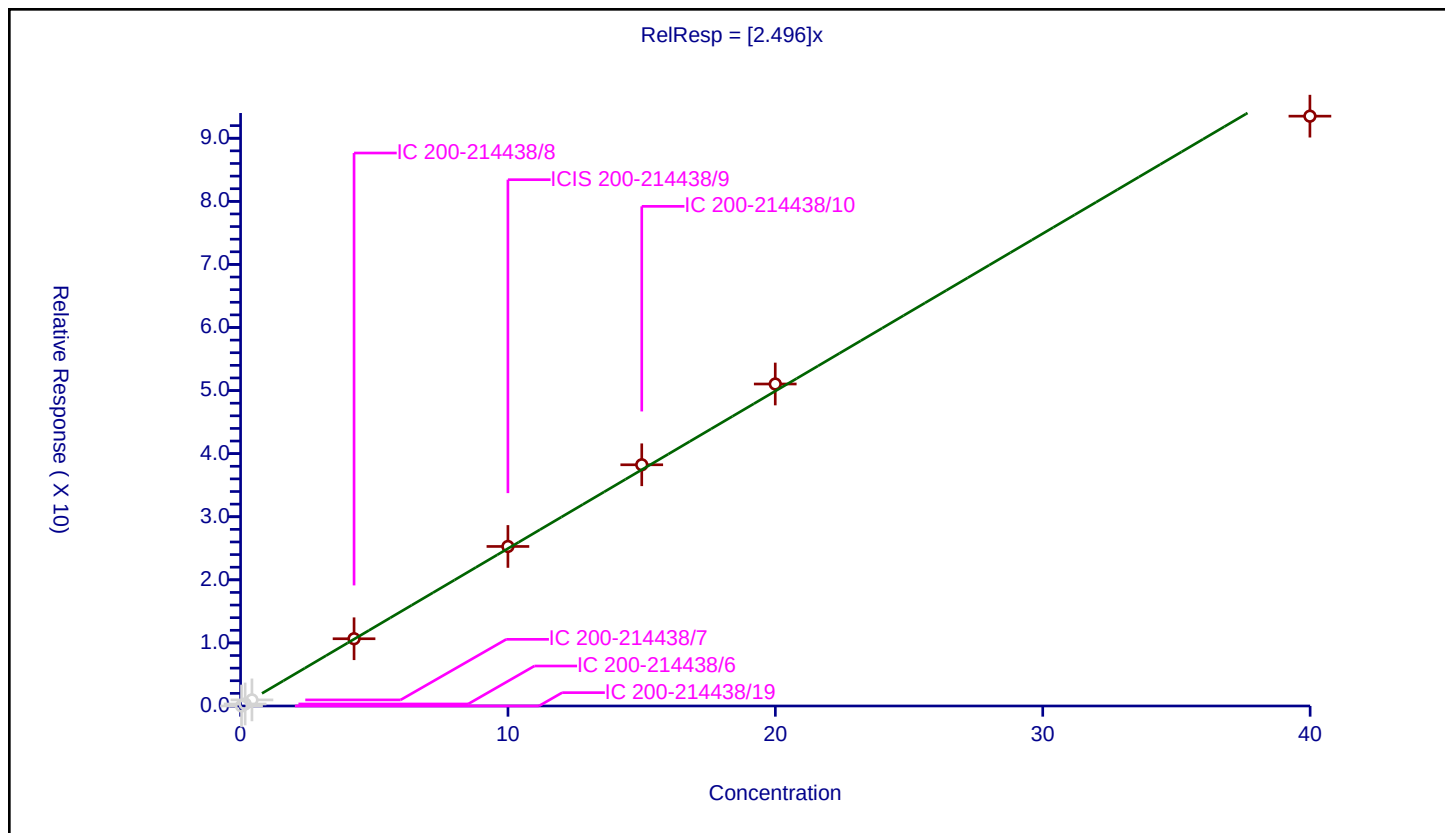
Curve Coefficients

Intercept: 0
 Slope: 2.496

Error Coefficients

Relative Standard Deviation: 3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.320355	10.0	65958.0	1.88031	N
3	IC 200-214438/7	0.425385	0.963844	10.0	65052.0	2.265818	N
4	IC 200-214438/8	4.243678	10.66079	10.0	64090.0	2.512158	Y
5	ICIS 200-214438/9	9.99806	25.289095	10.0	65117.0	2.5294	Y
6	IC 200-214438/10	15.003557	38.236696	10.0	66727.0	2.548509	Y
7	IC 200-214438/13	19.99612	51.040471	10.0	66912.0	2.552519	Y
8	IC 200-214438/14	39.99224	93.501353	10.0	75408.0	2.337987	Y



Calibration

/ Acrylonitrile

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

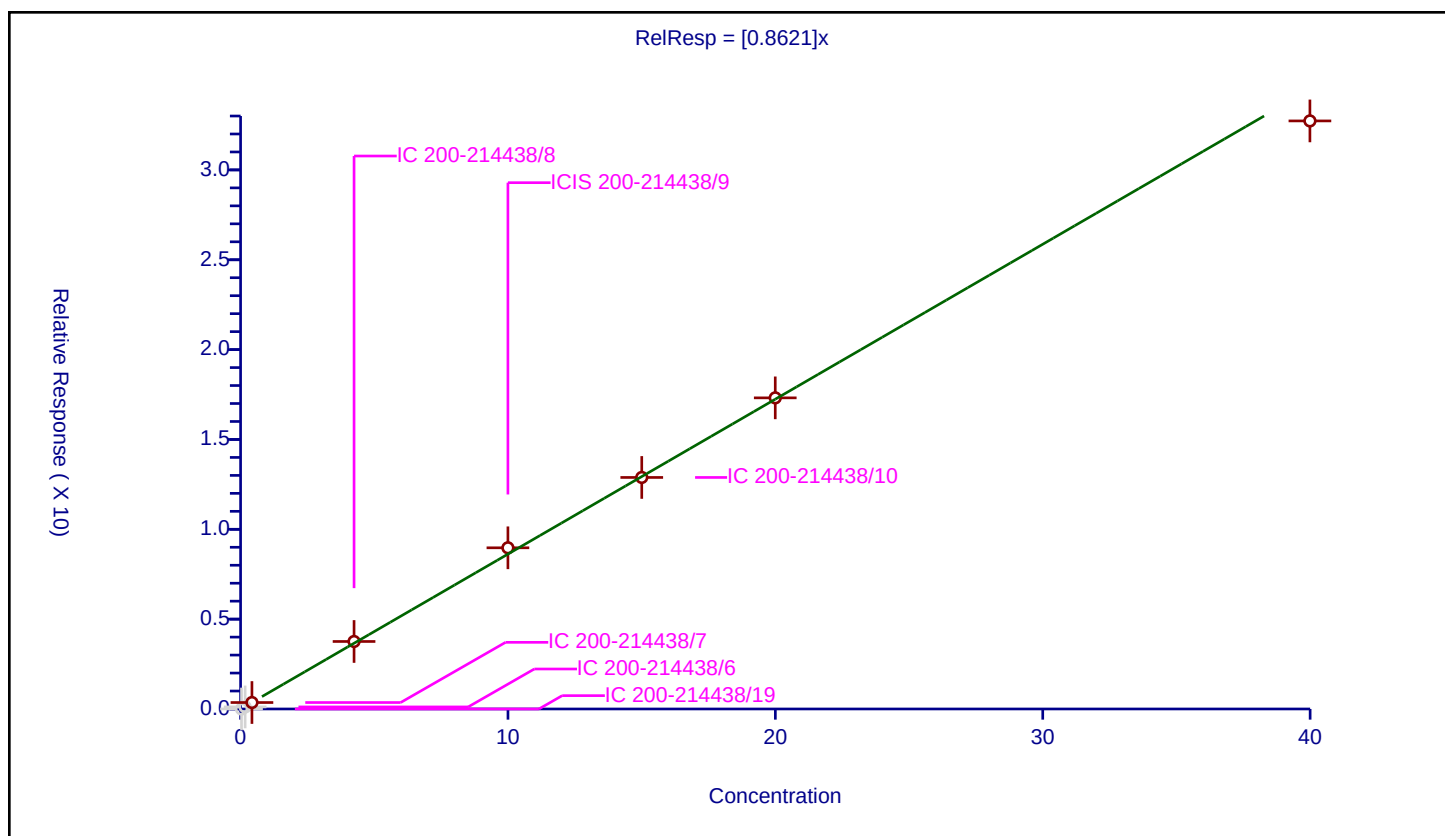
Curve Coefficients

Intercept: 0
Slope: 0.8621

Error Coefficients

Relative Standard Deviation: 3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.114467	10.0	65958.0	0.671857	N
3	IC 200-214438/7	0.425385	0.360327	10.0	65052.0	0.847062	Y
4	IC 200-214438/8	4.243678	3.757372	10.0	64090.0	0.885405	Y
5	ICIS 200-214438/9	9.99806	8.970008	10.0	65117.0	0.897175	Y
6	IC 200-214438/10	15.003557	12.885339	10.0	66727.0	0.858819	Y
7	IC 200-214438/13	19.99612	17.314383	10.0	66912.0	0.865887	Y
8	IC 200-214438/14	39.99224	32.727297	10.0	75408.0	0.818341	Y



Calibration

/ trans-1,2-Dichloroethene

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

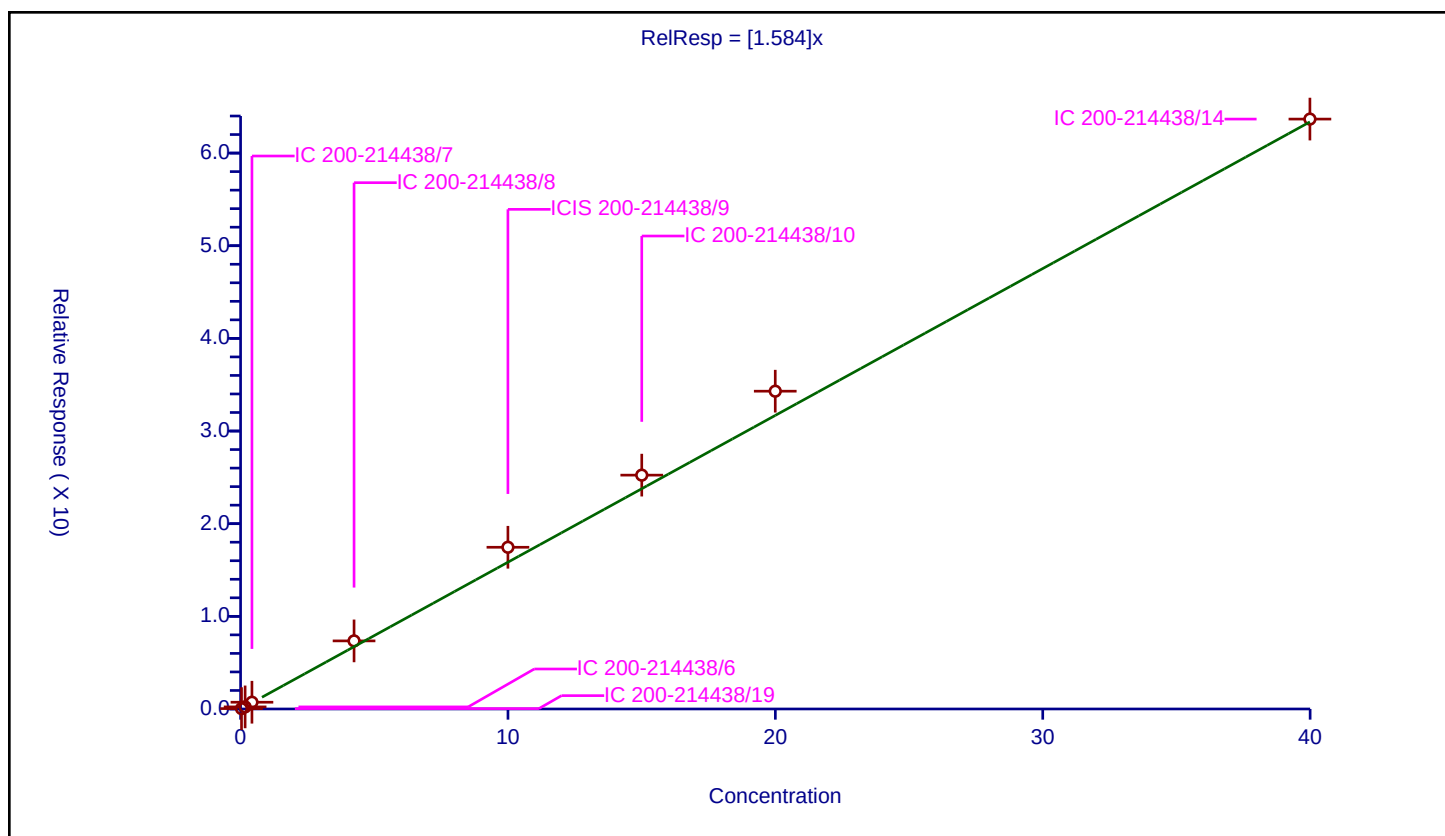
Curve Coefficients

Intercept: 0
 Slope: 1.584

Error Coefficients

Relative Standard Deviation: 13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.041049	10.0	77712.0	1.170256	Y
2	IC 200-214438/6	0.170374	0.225143	10.0	65958.0	1.321467	Y
3	IC 200-214438/7	0.425385	0.730339	10.0	65052.0	1.71689	Y
4	IC 200-214438/8	4.243678	7.348104	10.0	64090.0	1.731541	Y
5	ICIS 200-214438/9	9.99806	17.45581	10.0	65117.0	1.74592	Y
6	IC 200-214438/10	15.003557	25.239258	10.0	66727.0	1.682218	Y
7	IC 200-214438/13	19.99612	34.300275	10.0	66912.0	1.715347	Y
8	IC 200-214438/14	39.99224	63.669637	10.0	75408.0	1.59205	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

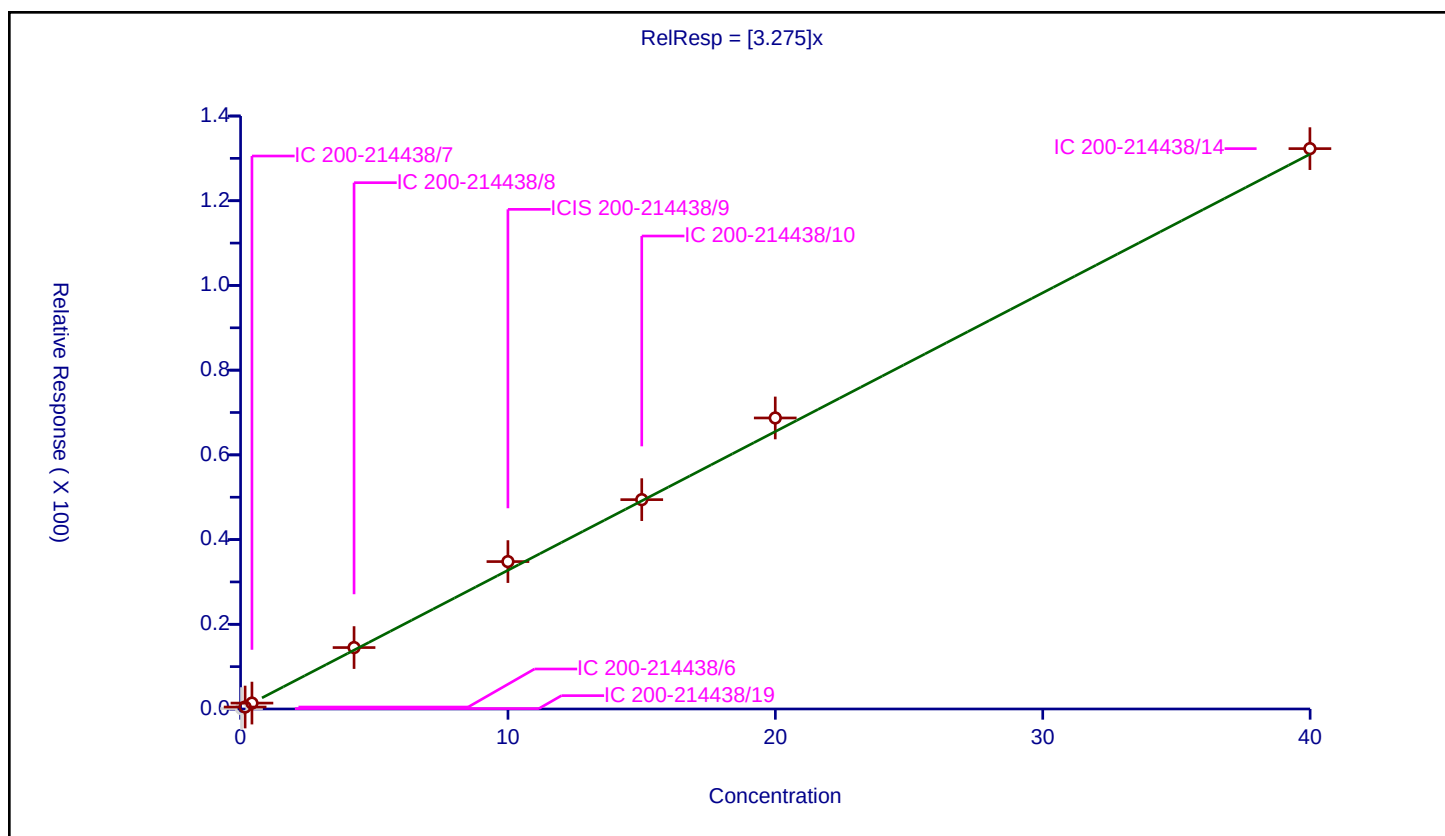
Curve Coefficients

Intercept: 0
Slope: 3.275

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.099727	10.0	77712.0	2.843098	N
2	IC 200-214438/6	0.170374	0.462415	10.0	65958.0	2.714124	Y
3	IC 200-214438/7	0.425385	1.393501	10.0	65052.0	3.27586	Y
4	IC 200-214438/8	4.243678	14.501482	10.0	64090.0	3.417196	Y
5	ICIS 200-214438/9	9.99806	34.802279	10.0	65117.0	3.480903	Y
6	IC 200-214438/10	15.003557	49.427518	10.0	66727.0	3.294387	Y
7	IC 200-214438/13	19.99612	68.712339	10.0	66912.0	3.436284	Y
8	IC 200-214438/14	39.99224	132.29843	10.0	75408.0	3.308103	Y



Calibration

/ Hexane

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

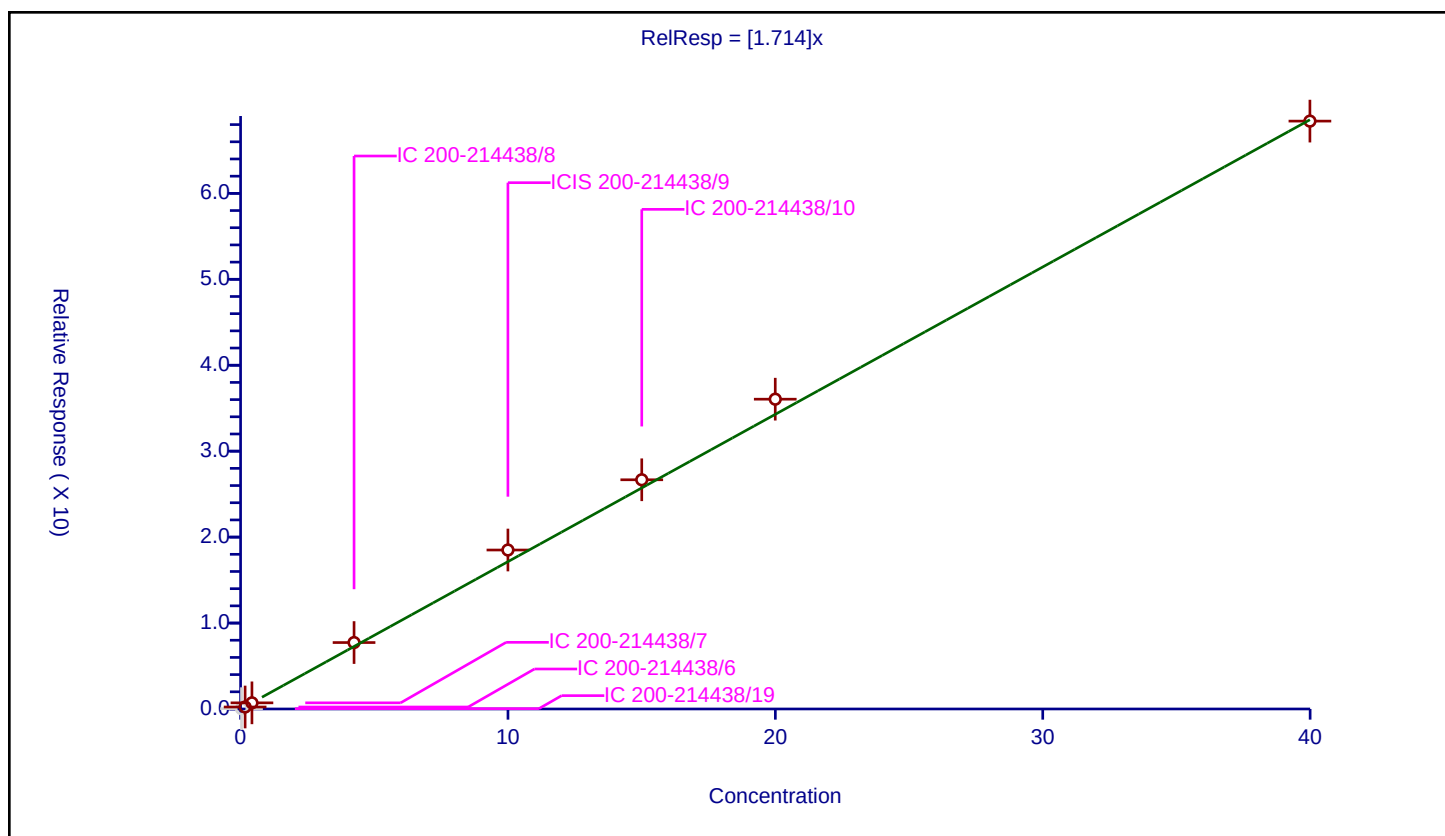
Curve Coefficients

Intercept: 0
Slope: 1.714

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.037832	10.0	77712.0	1.078543	N
2	IC 200-214438/6	0.170374	0.231359	10.0	65958.0	1.357952	Y
3	IC 200-214438/7	0.425385	0.714659	10.0	65052.0	1.68003	Y
4	IC 200-214438/8	4.243678	7.731315	10.0	64090.0	1.821843	Y
5	ICIS 200-214438/9	9.99806	18.499163	10.0	65117.0	1.850275	Y
6	IC 200-214438/10	15.003557	26.672411	10.0	66727.0	1.777739	Y
7	IC 200-214438/13	19.99612	36.049737	10.0	66912.0	1.802837	Y
8	IC 200-214438/14	39.99224	68.407994	10.0	75408.0	1.710532	Y



Calibration

/ 1,1-Dichloroethane

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

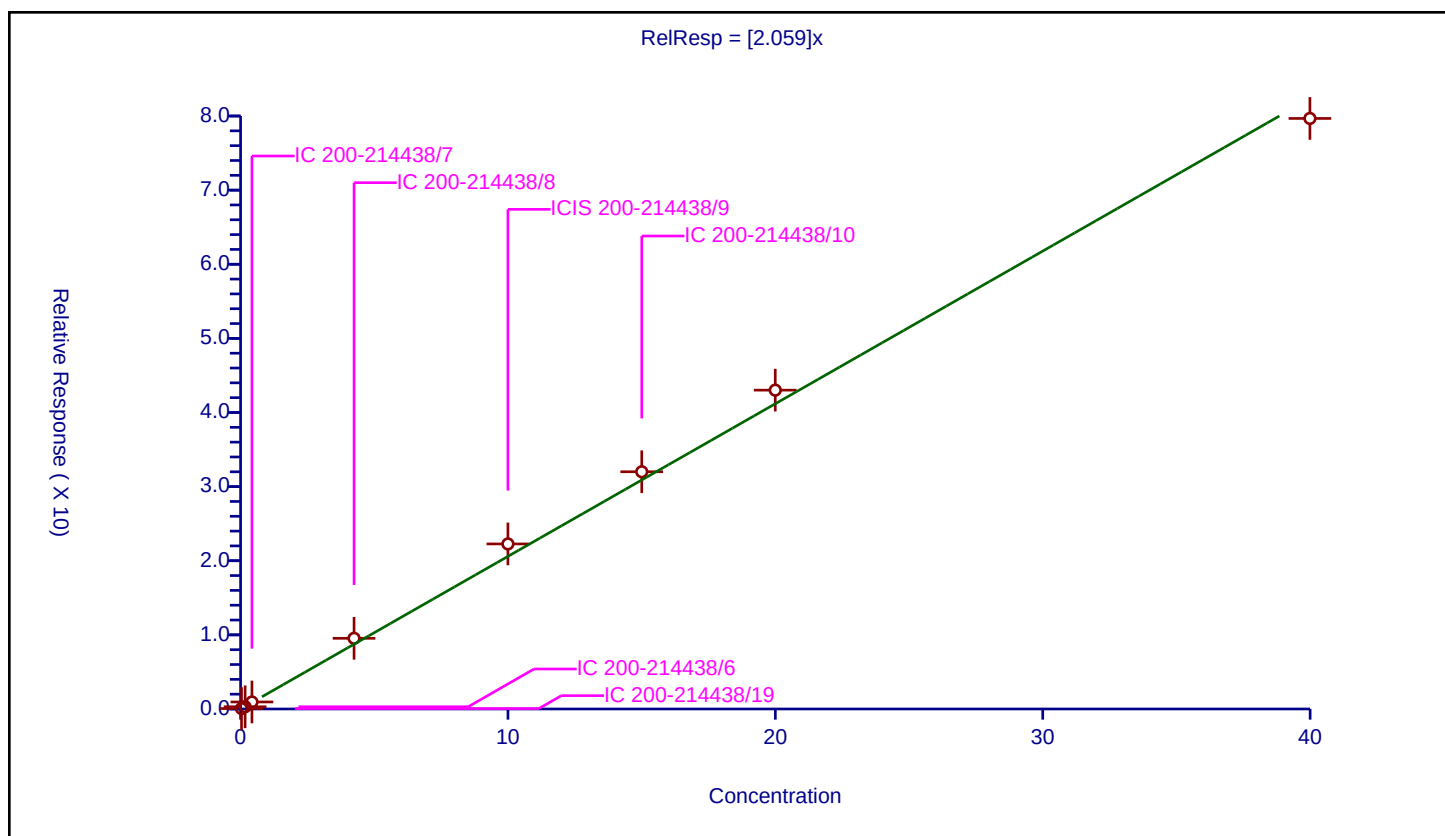
Curve Coefficients

Intercept: 0
 Slope: 2.059

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.06048	10.0	77712.0	1.724202	Y
2	IC 200-214438/6	0.170374	0.301252	10.0	65958.0	1.768185	Y
3	IC 200-214438/7	0.425385	0.948626	10.0	65052.0	2.230042	Y
4	IC 200-214438/8	4.243678	9.536277	10.0	64090.0	2.247172	Y
5	ICIS 200-214438/9	9.99806	22.267918	10.0	65117.0	2.227224	Y
6	IC 200-214438/10	15.003557	32.007433	10.0	66727.0	2.133323	Y
7	IC 200-214438/13	19.99612	43.015901	10.0	66912.0	2.151212	Y
8	IC 200-214438/14	39.99224	79.671653	10.0	75408.0	1.992178	Y



Calibration

/ Vinyl acetate

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

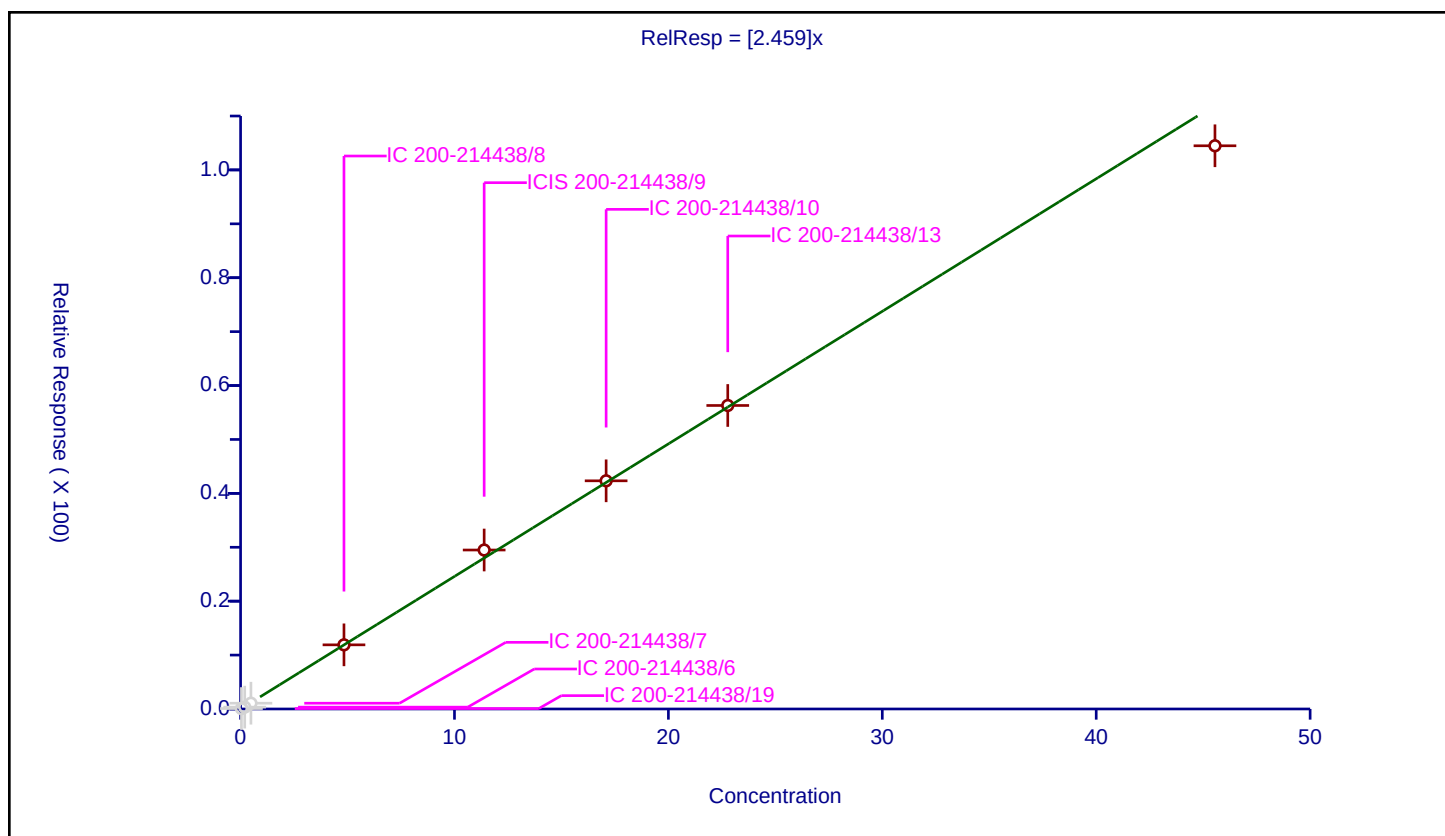
Curve Coefficients

Intercept: 0
 Slope: 2.459

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.039953	0.079782	10.0	77712.0	1.996908	N
2	IC 200-214438/6	0.194056	0.343855	10.0	65958.0	1.771941	N
3	IC 200-214438/7	0.484513	1.071451	10.0	65052.0	2.211396	N
4	IC 200-214438/8	4.83355	11.901077	10.0	64090.0	2.462181	Y
5	ICIS 200-214438/9	11.38779	29.489381	10.0	65117.0	2.589561	Y
6	IC 200-214438/10	17.089051	42.329792	10.0	66727.0	2.477012	Y
7	IC 200-214438/13	22.77558	56.302756	10.0	66912.0	2.472067	Y
8	IC 200-214438/14	45.551161	104.477774	10.0	75408.0	2.293636	Y



Calibration

/ 2-Butanone (MEK)

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

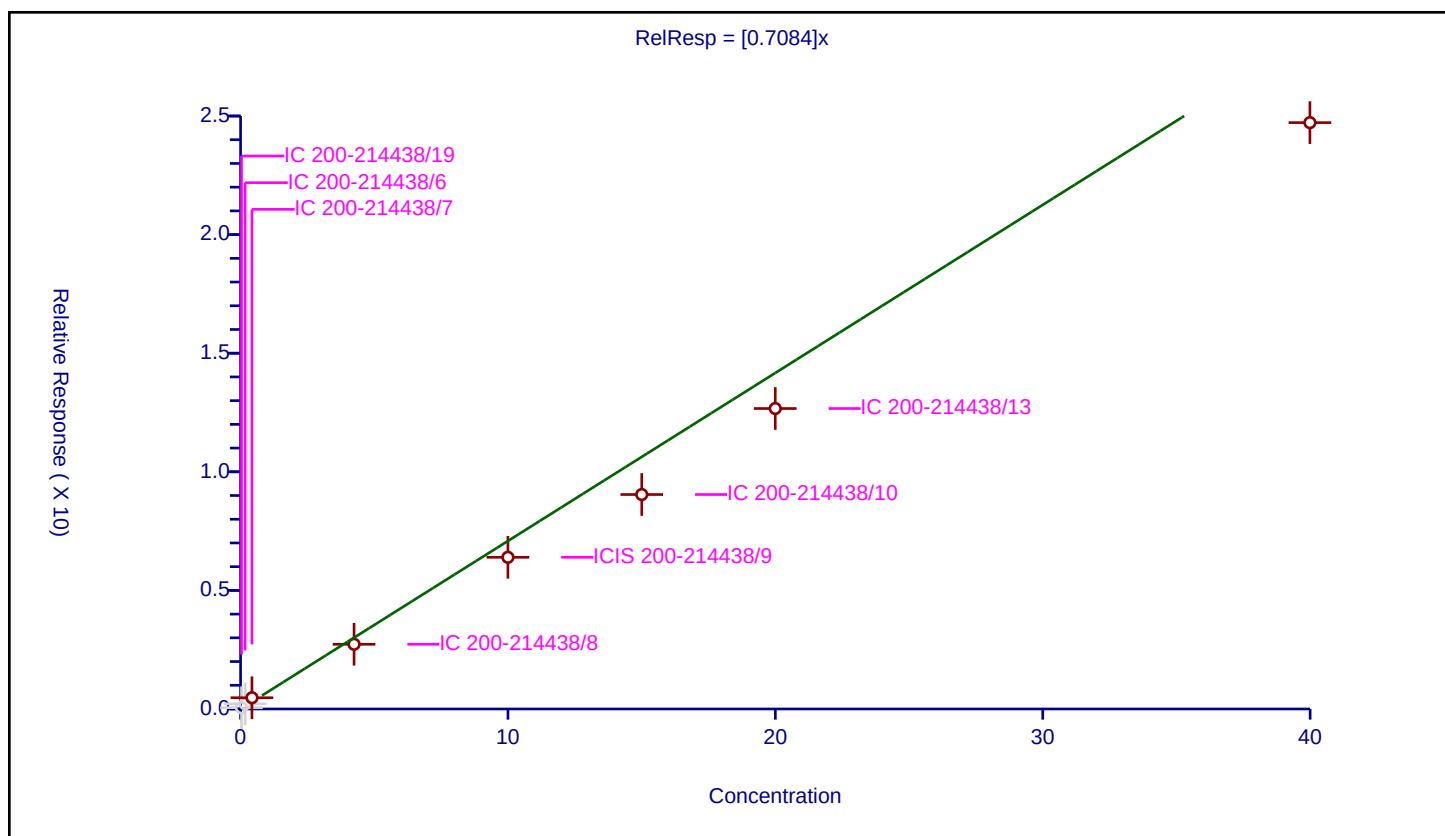
Curve Coefficients

Intercept: 0
Slope: 0.7084

Error Coefficients

Relative Standard Deviation: 28.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.054174	10.0	77712.0	1.544444	N
2	IC 200-214438/6	0.170374	0.218624	10.0	65958.0	1.283202	N
3	IC 200-214438/7	0.425385	0.473775	10.0	65052.0	1.113756	Y
4	IC 200-214438/8	4.243678	2.728351	10.0	64090.0	0.642921	Y
5	ICIS 200-214438/9	9.99806	6.395104	10.0	65117.0	0.639635	Y
6	IC 200-214438/10	15.003557	9.041917	10.0	66727.0	0.602652	Y
7	IC 200-214438/13	19.99612	12.667533	10.0	66912.0	0.6335	Y
8	IC 200-214438/14	39.99224	24.720852	10.0	75408.0	0.618141	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

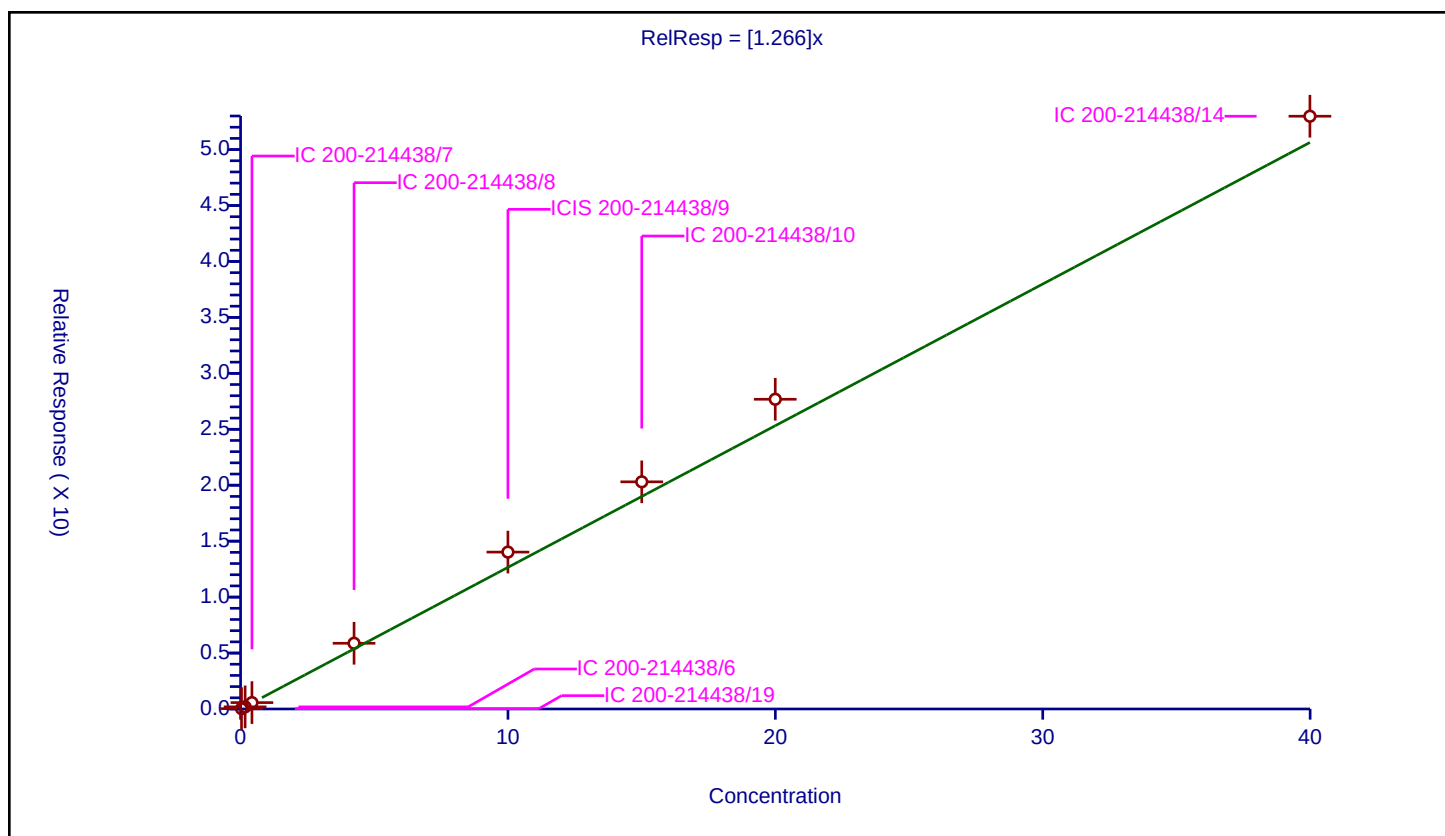
Curve Coefficients

Intercept: 0
Slope: 1.266

Error Coefficients

Relative Standard Deviation: 15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.029082	10.0	77712.0	0.829084	Y
2	IC 200-214438/6	0.170374	0.188453	10.0	65958.0	1.106117	Y
3	IC 200-214438/7	0.425385	0.57185	10.0	65052.0	1.344313	Y
4	IC 200-214438/8	4.243678	5.875176	10.0	64090.0	1.384454	Y
5	ICIS 200-214438/9	9.99806	14.022759	10.0	65117.0	1.402548	Y
6	IC 200-214438/10	15.003557	20.303925	10.0	66727.0	1.353274	Y
7	IC 200-214438/13	19.99612	27.682927	10.0	66912.0	1.384415	Y
8	IC 200-214438/14	39.99224	52.980055	10.0	75408.0	1.324758	Y



Calibration

/ Ethyl acetate

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

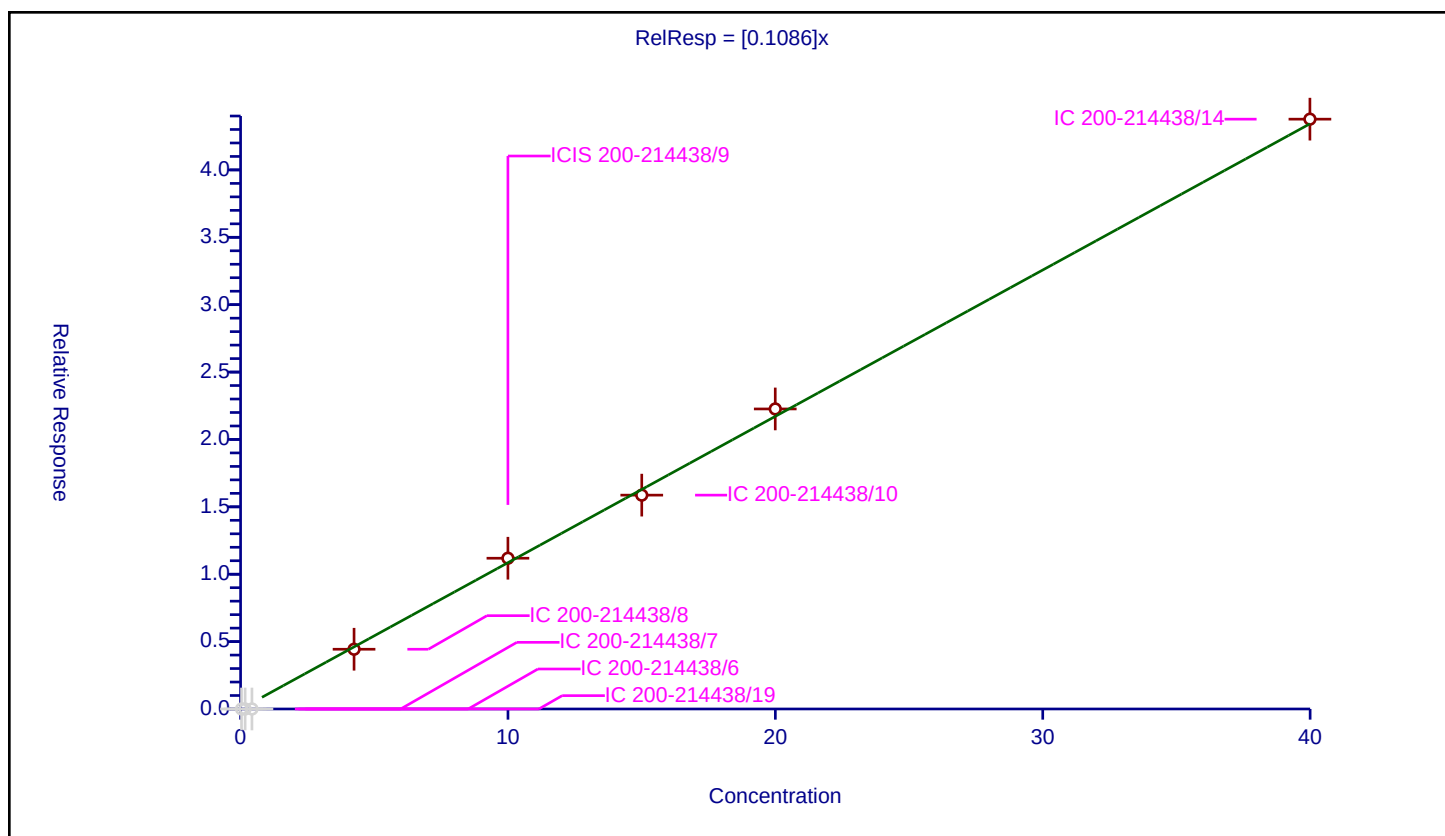
Curve Coefficients

Intercept: 0
Slope: 0.1086

Error Coefficients

Relative Standard Deviation: 3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	77712.0	0.0	N
2	IC 200-214438/6	0.170374	0.0	10.0	65958.0	0.0	N
3	IC 200-214438/7	0.425385	0.0	10.0	65052.0	0.0	N
4	IC 200-214438/8	4.243678	0.443283	10.0	64090.0	0.104457	Y
5	ICIS 200-214438/9	9.99806	1.118602	10.0	65117.0	0.111882	Y
6	IC 200-214438/10	15.003557	1.586914	10.0	66727.0	0.105769	Y
7	IC 200-214438/13	19.99612	2.226357	10.0	66912.0	0.111339	Y
8	IC 200-214438/14	39.99224	4.376724	10.0	75408.0	0.109439	Y



Calibration

/ Tetrahydrofuran

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

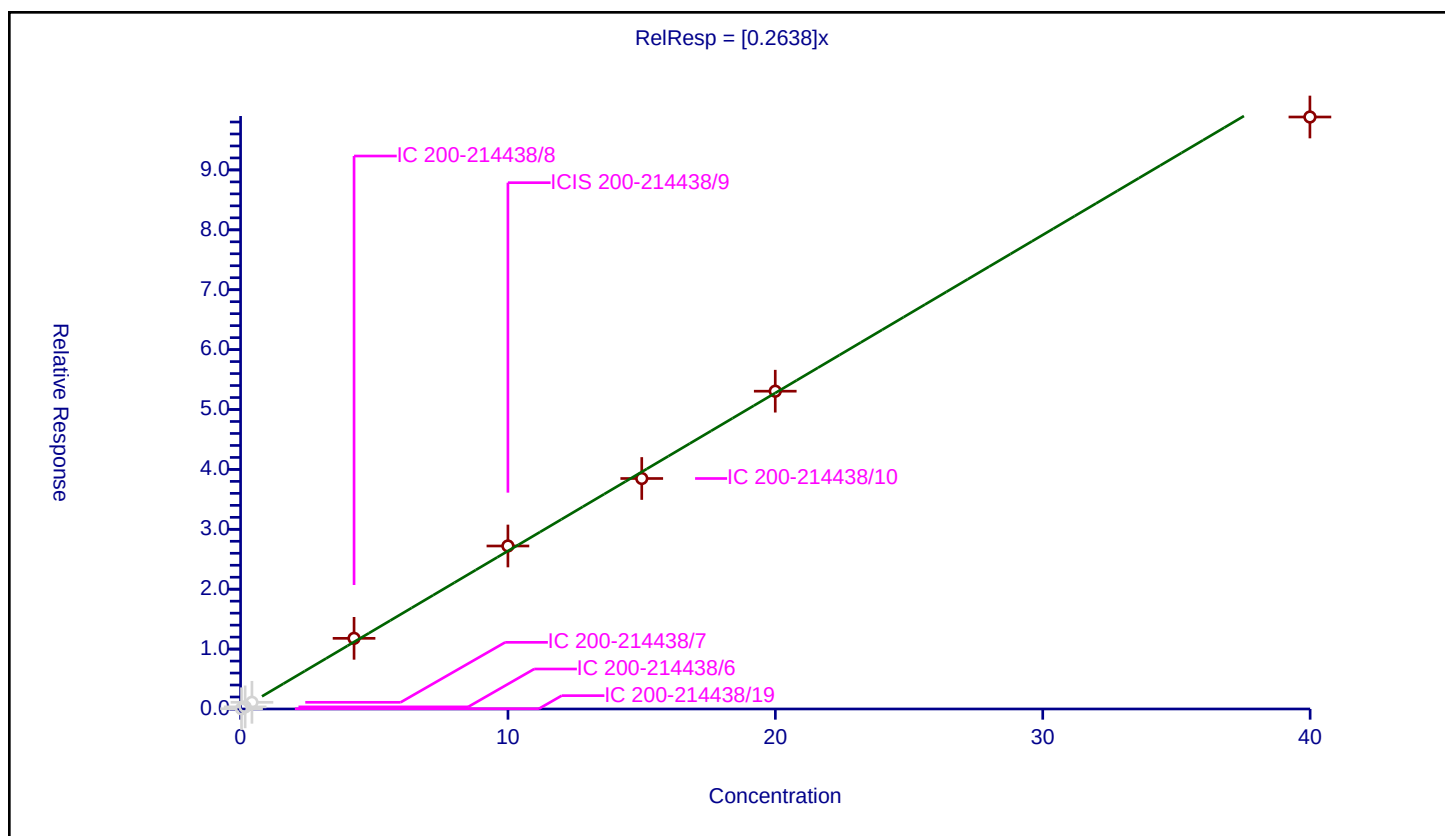
Curve Coefficients

Intercept: 0
Slope: 0.2638

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.004213	10.0	367869.0	0.12012	N
2	IC 200-214438/6	0.170374	0.035389	10.0	311962.0	0.207714	N
3	IC 200-214438/7	0.425385	0.111631	10.0	306009.0	0.262423	N
4	IC 200-214438/8	4.243678	1.179473	10.0	305060.0	0.277936	Y
5	ICIS 200-214438/9	9.99806	2.721446	10.0	307535.0	0.272197	Y
6	IC 200-214438/10	15.003557	3.848372	10.0	314837.0	0.256497	Y
7	IC 200-214438/13	19.99612	5.306002	10.0	313413.0	0.265352	Y
8	IC 200-214438/14	39.99224	9.883721	10.0	353460.0	0.247141	Y



Calibration

/ Chloroform

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

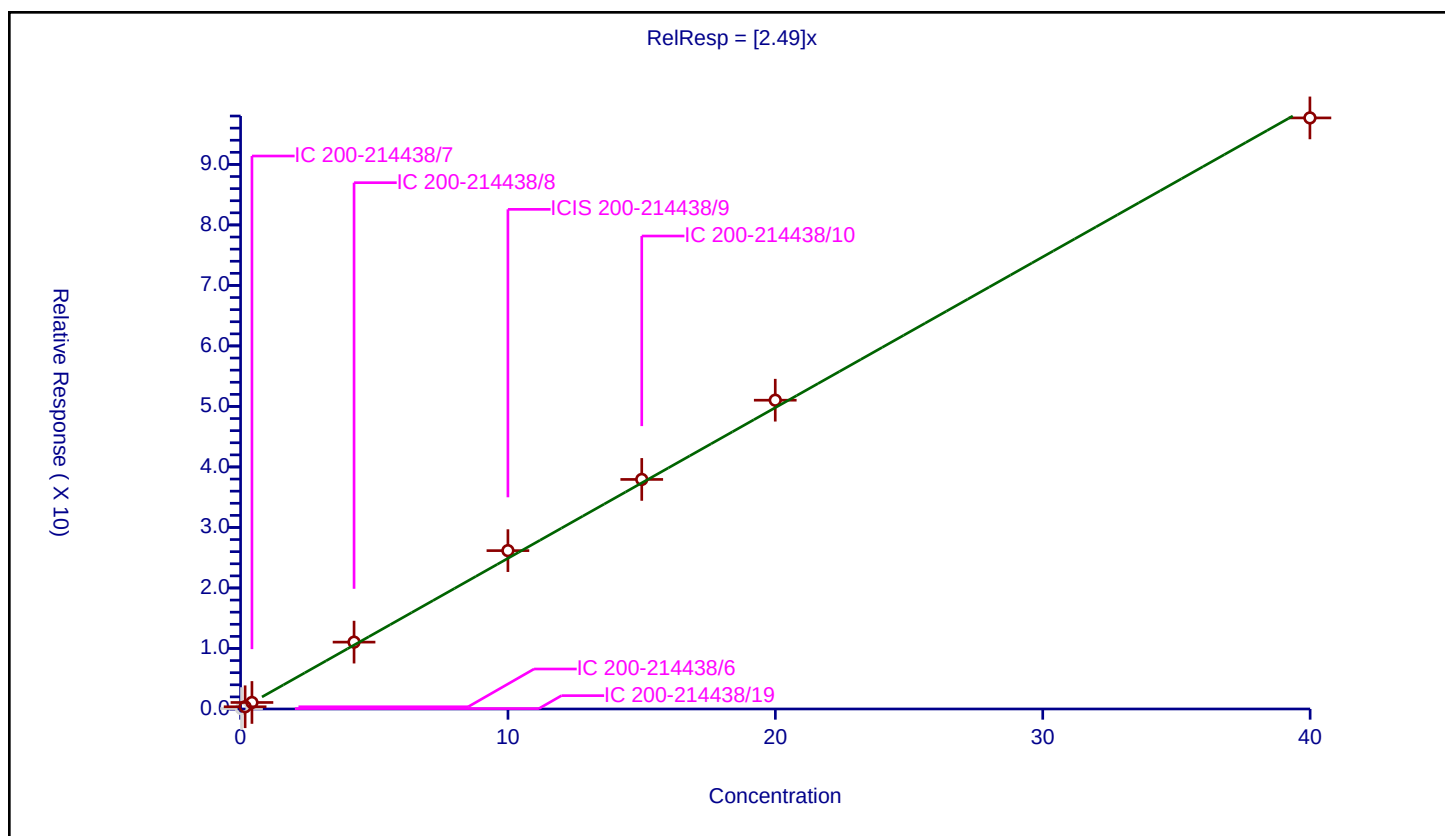
Curve Coefficients

Intercept: 0
Slope: 2.49

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.066528	10.0	77712.0	1.896622	N
2	IC 200-214438/6	0.170374	0.3669	10.0	65958.0	2.153502	Y
3	IC 200-214438/7	0.425385	1.078061	10.0	65052.0	2.534319	Y
4	IC 200-214438/8	4.243678	11.049774	10.0	64090.0	2.60382	Y
5	ICIS 200-214438/9	9.99806	26.17166	10.0	65117.0	2.617674	Y
6	IC 200-214438/10	15.003557	37.939215	10.0	66727.0	2.528681	Y
7	IC 200-214438/13	19.99612	51.034045	10.0	66912.0	2.552197	Y
8	IC 200-214438/14	39.99224	97.686718	10.0	75408.0	2.442642	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

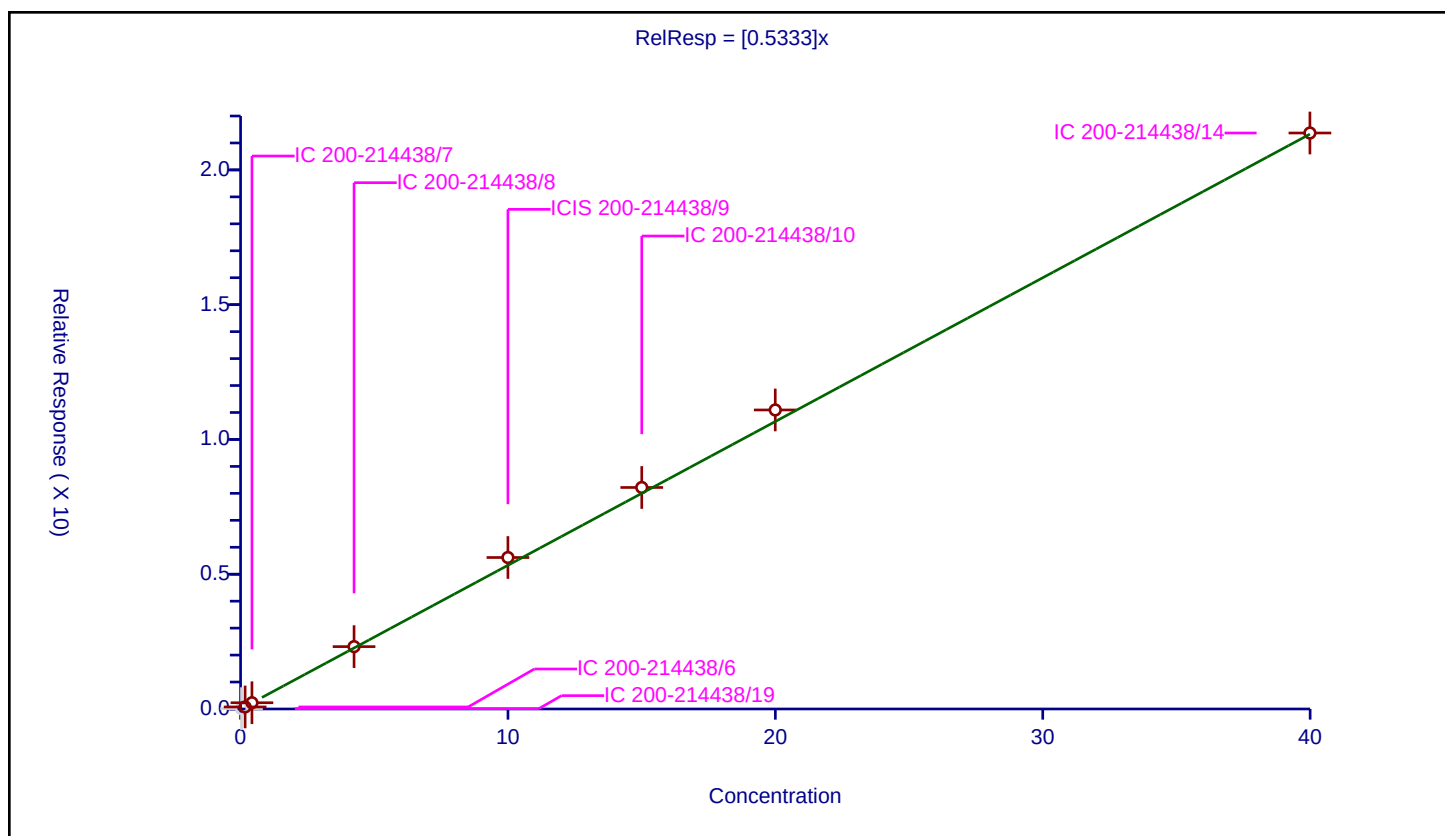
Curve Coefficients

Intercept: 0
 Slope: 0.5333

Error Coefficients

Relative Standard Deviation: 7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.013537	10.0	367869.0	0.385935	N
2	IC 200-214438/6	0.170374	0.075714	10.0	311962.0	0.444402	Y
3	IC 200-214438/7	0.425385	0.231627	10.0	306009.0	0.544512	Y
4	IC 200-214438/8	4.243678	2.313479	10.0	305060.0	0.545159	Y
5	ICIS 200-214438/9	9.99806	5.620173	10.0	307535.0	0.562126	Y
6	IC 200-214438/10	15.003557	8.218538	10.0	314837.0	0.547773	Y
7	IC 200-214438/13	19.99612	11.093764	10.0	313413.0	0.554796	Y
8	IC 200-214438/14	39.99224	21.370197	10.0	353460.0	0.534359	Y



Calibration

/ Cyclohexane

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

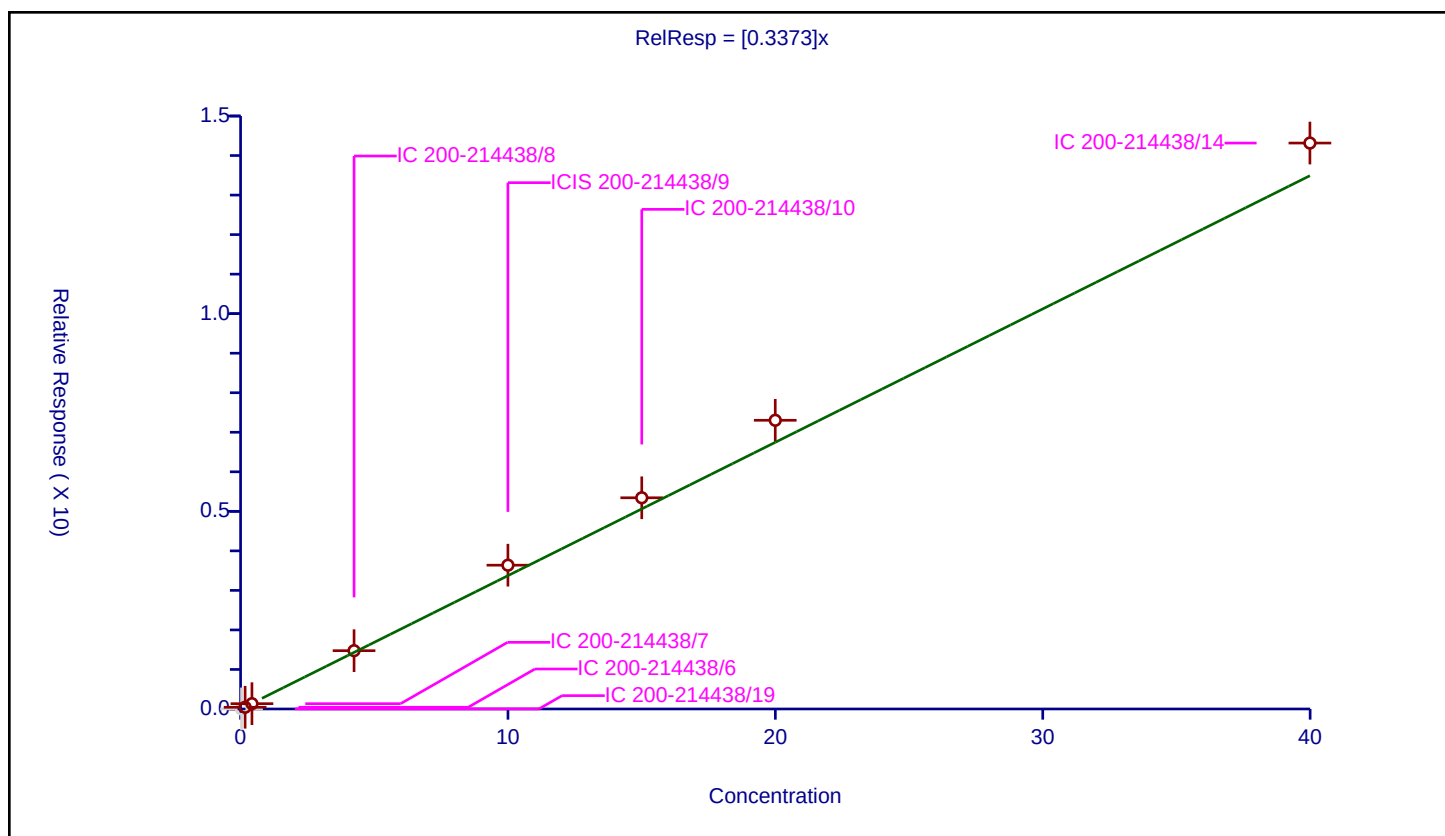
Curve Coefficients

Intercept: 0
Slope: 0.3373

Error Coefficients

Relative Standard Deviation: 11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.001468	10.0	367869.0	0.041848	N
2	IC 200-214438/6	0.170374	0.043307	10.0	311962.0	0.254186	Y
3	IC 200-214438/7	0.425385	0.134604	10.0	306009.0	0.316429	Y
4	IC 200-214438/8	4.243678	1.474923	10.0	305060.0	0.347558	Y
5	ICIS 200-214438/9	9.99806	3.637537	10.0	307535.0	0.363824	Y
6	IC 200-214438/10	15.003557	5.342828	10.0	314837.0	0.356104	Y
7	IC 200-214438/13	19.99612	7.303111	10.0	313413.0	0.365226	Y
8	IC 200-214438/14	39.99224	14.316047	10.0	353460.0	0.357971	Y



Calibration

/ Carbon tetrachloride

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

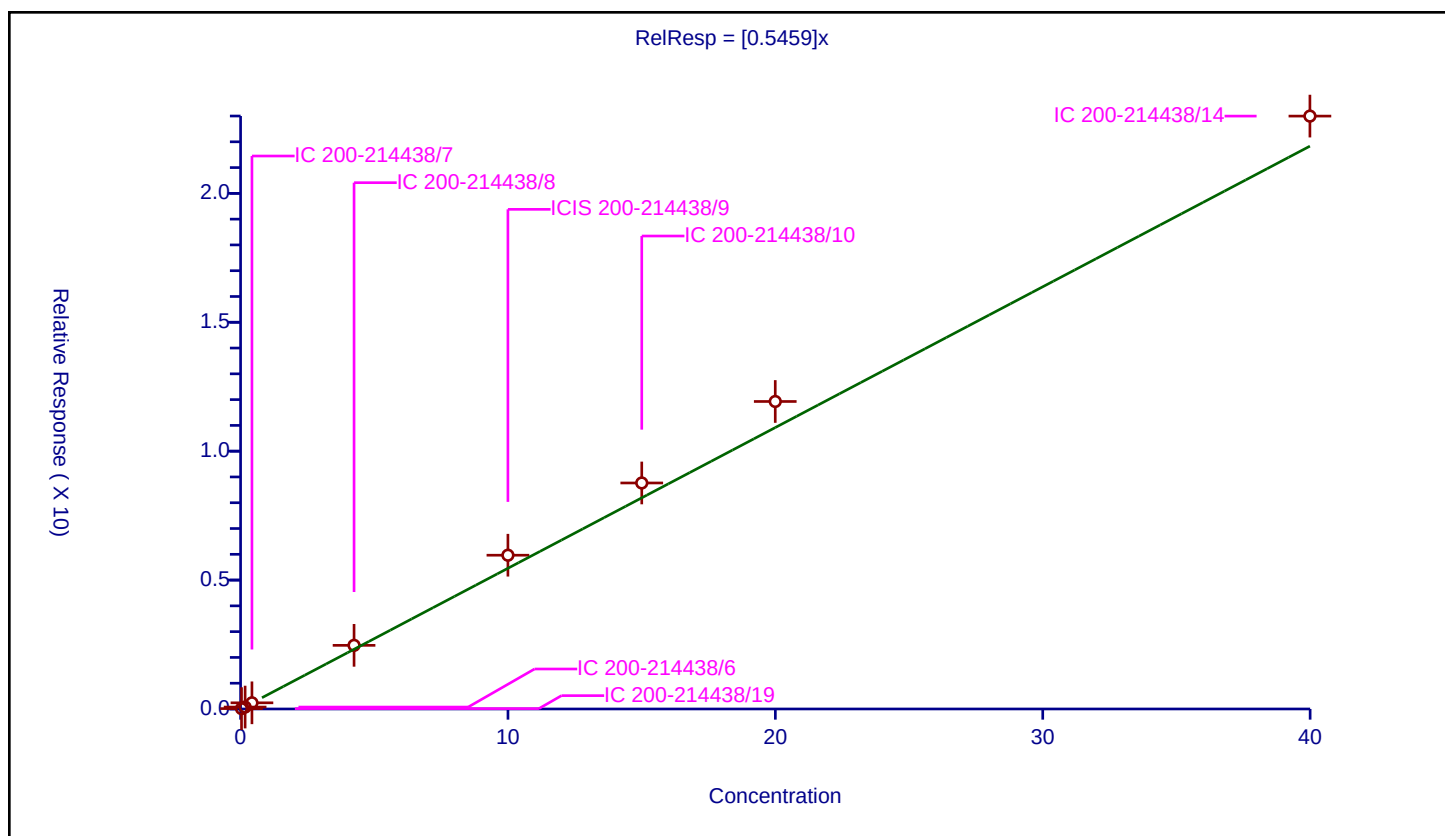
Curve Coefficients

Intercept: 0
 Slope: 0.5459

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.01506	10.0	367869.0	0.429334	Y
2	IC 200-214438/6	0.170374	0.075009	10.0	311962.0	0.440262	Y
3	IC 200-214438/7	0.425385	0.239601	10.0	306009.0	0.563257	Y
4	IC 200-214438/8	4.243678	2.468629	10.0	305060.0	0.581719	Y
5	ICIS 200-214438/9	9.99806	5.964915	10.0	307535.0	0.596607	Y
6	IC 200-214438/10	15.003557	8.766727	10.0	314837.0	0.58431	Y
7	IC 200-214438/13	19.99612	11.927616	10.0	313413.0	0.596497	Y
8	IC 200-214438/14	39.99224	22.997227	10.0	353460.0	0.575042	Y



Calibration

/ Benzene

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

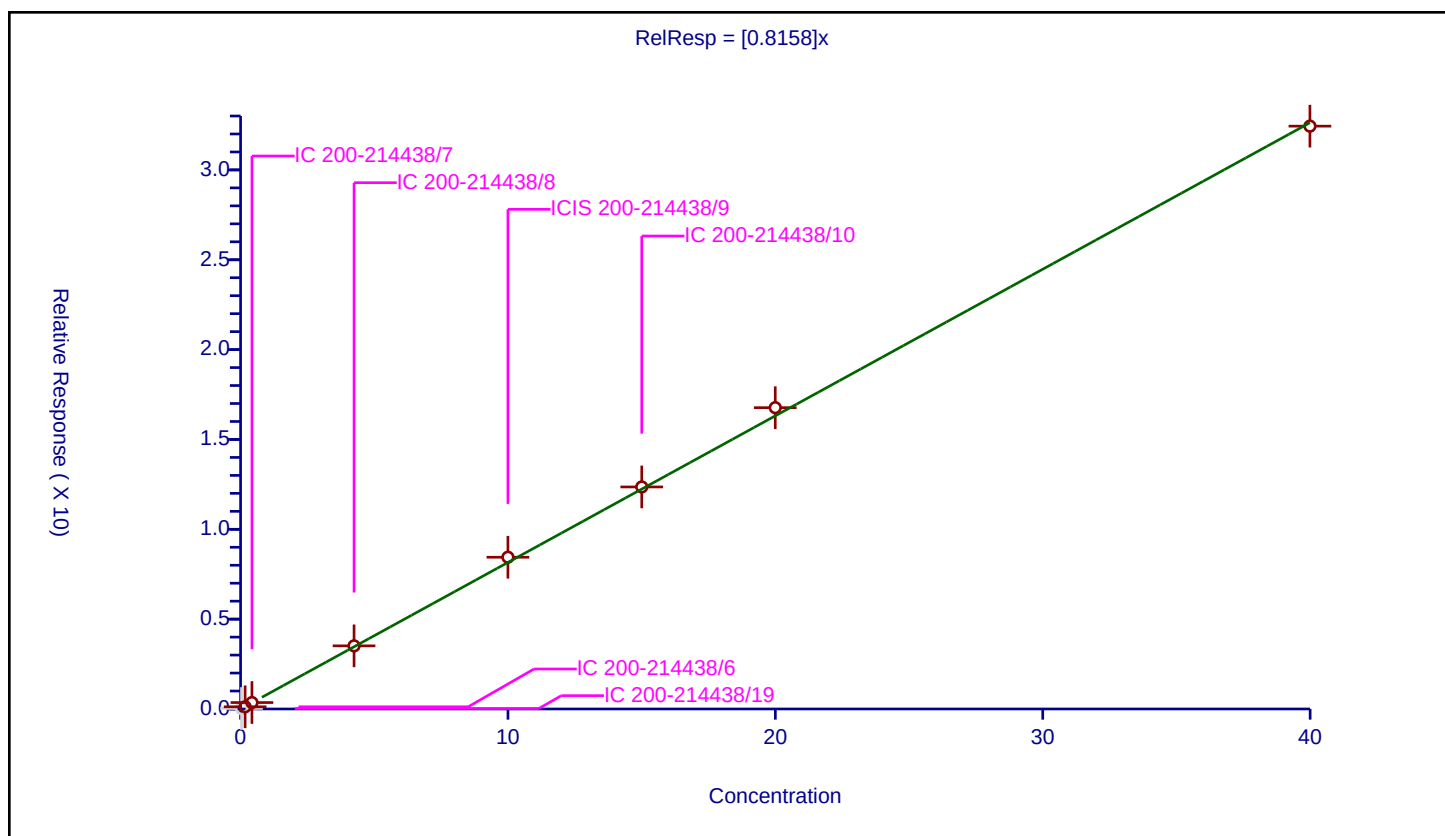
Curve Coefficients

Intercept: 0
Slope: 0.8158

Error Coefficients

Relative Standard Deviation: 5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.027428	10.0	367869.0	0.781945	N
2	IC 200-214438/6	0.170374	0.122868	10.0	311962.0	0.721165	Y
3	IC 200-214438/7	0.425385	0.358813	10.0	306009.0	0.843502	Y
4	IC 200-214438/8	4.243678	3.513211	10.0	305060.0	0.827869	Y
5	ICIS 200-214438/9	9.99806	8.445315	10.0	307535.0	0.844695	Y
6	IC 200-214438/10	15.003557	12.357156	10.0	314837.0	0.823615	Y
7	IC 200-214438/13	19.99612	16.769375	10.0	313413.0	0.838631	Y
8	IC 200-214438/14	39.99224	32.436004	10.0	353460.0	0.811057	Y



Calibration

/ 1,2-Dichloroethane

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

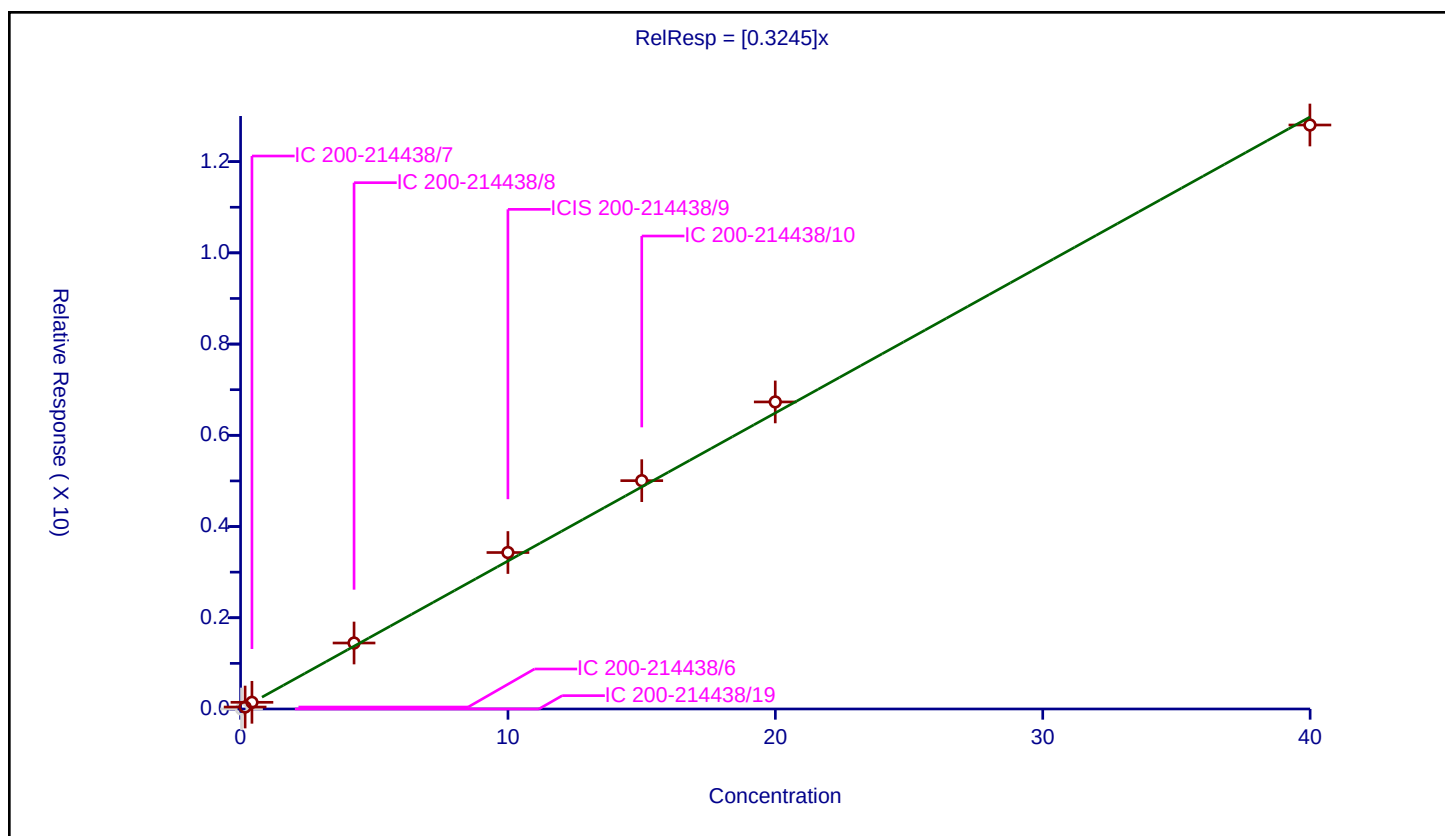
Curve Coefficients

Intercept: 0
Slope: 0.3245

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	367869.0	0.0	N
2	IC 200-214438/6	0.170374	0.043082	10.0	311962.0	0.252869	Y
3	IC 200-214438/7	0.425385	0.146434	10.0	306009.0	0.344238	Y
4	IC 200-214438/8	4.243678	1.446765	10.0	305060.0	0.340922	Y
5	ICIS 200-214438/9	9.99806	3.430114	10.0	307535.0	0.343078	Y
6	IC 200-214438/10	15.003557	5.006019	10.0	314837.0	0.333655	Y
7	IC 200-214438/13	19.99612	6.731597	10.0	313413.0	0.336645	Y
8	IC 200-214438/14	39.99224	12.802778	10.0	353460.0	0.320132	Y



Calibration

/ Isooctane

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

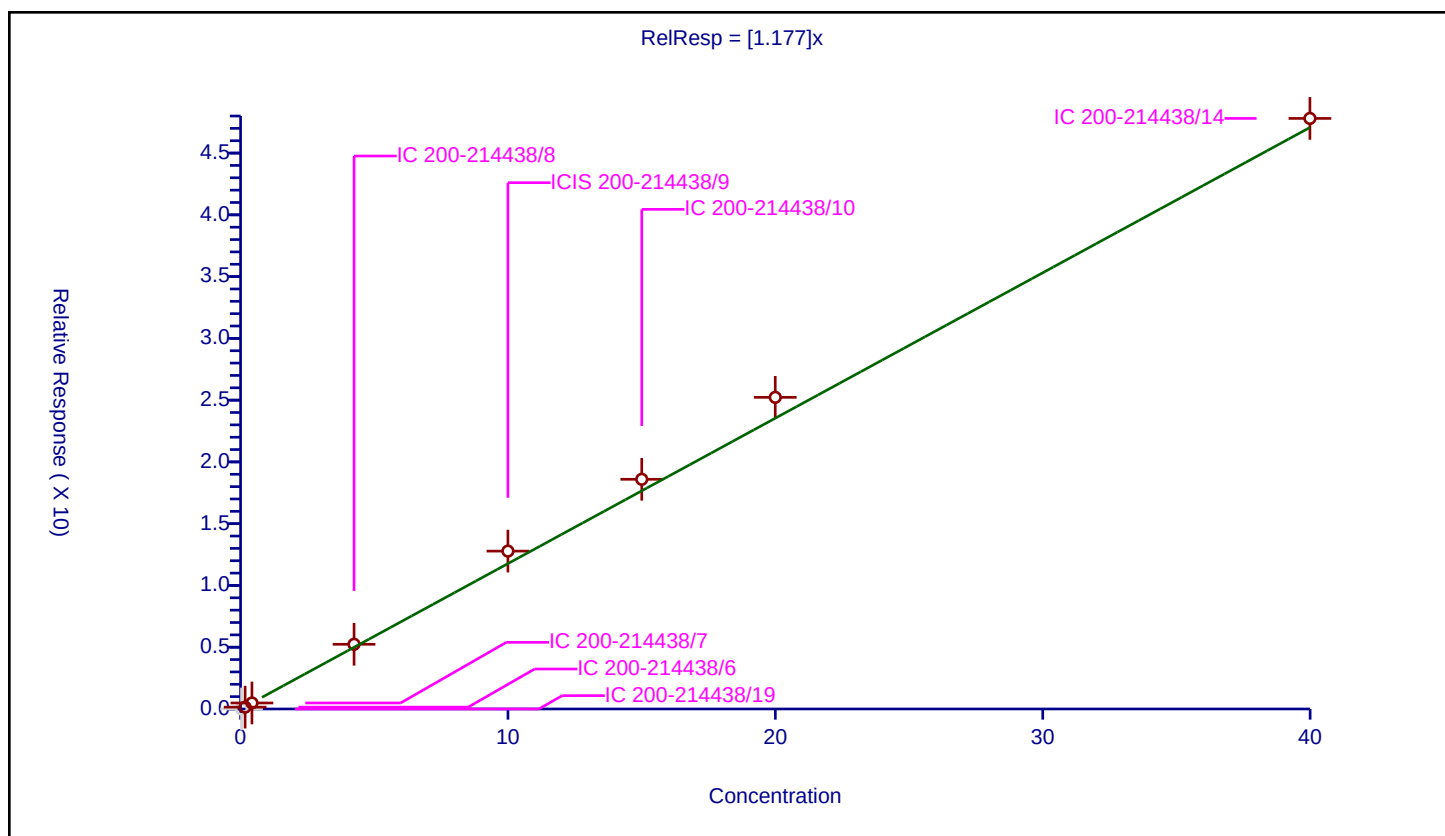
Curve Coefficients

Intercept: 0
Slope: 1.177

Error Coefficients

Relative Standard Deviation: 11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	367869.0	0.0	N
2	IC 200-214438/6	0.170374	0.150723	10.0	311962.0	0.884664	Y
3	IC 200-214438/7	0.425385	0.487371	10.0	306009.0	1.145719	Y
4	IC 200-214438/8	4.243678	5.238281	10.0	305060.0	1.234373	Y
5	ICIS 200-214438/9	9.99806	12.779976	10.0	307535.0	1.278246	Y
6	IC 200-214438/10	15.003557	18.594003	10.0	314837.0	1.239306	Y
7	IC 200-214438/13	19.99612	25.226554	10.0	313413.0	1.261572	Y
8	IC 200-214438/14	39.99224	47.80473	10.0	353460.0	1.19535	Y



Calibration

/ n-Heptane

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

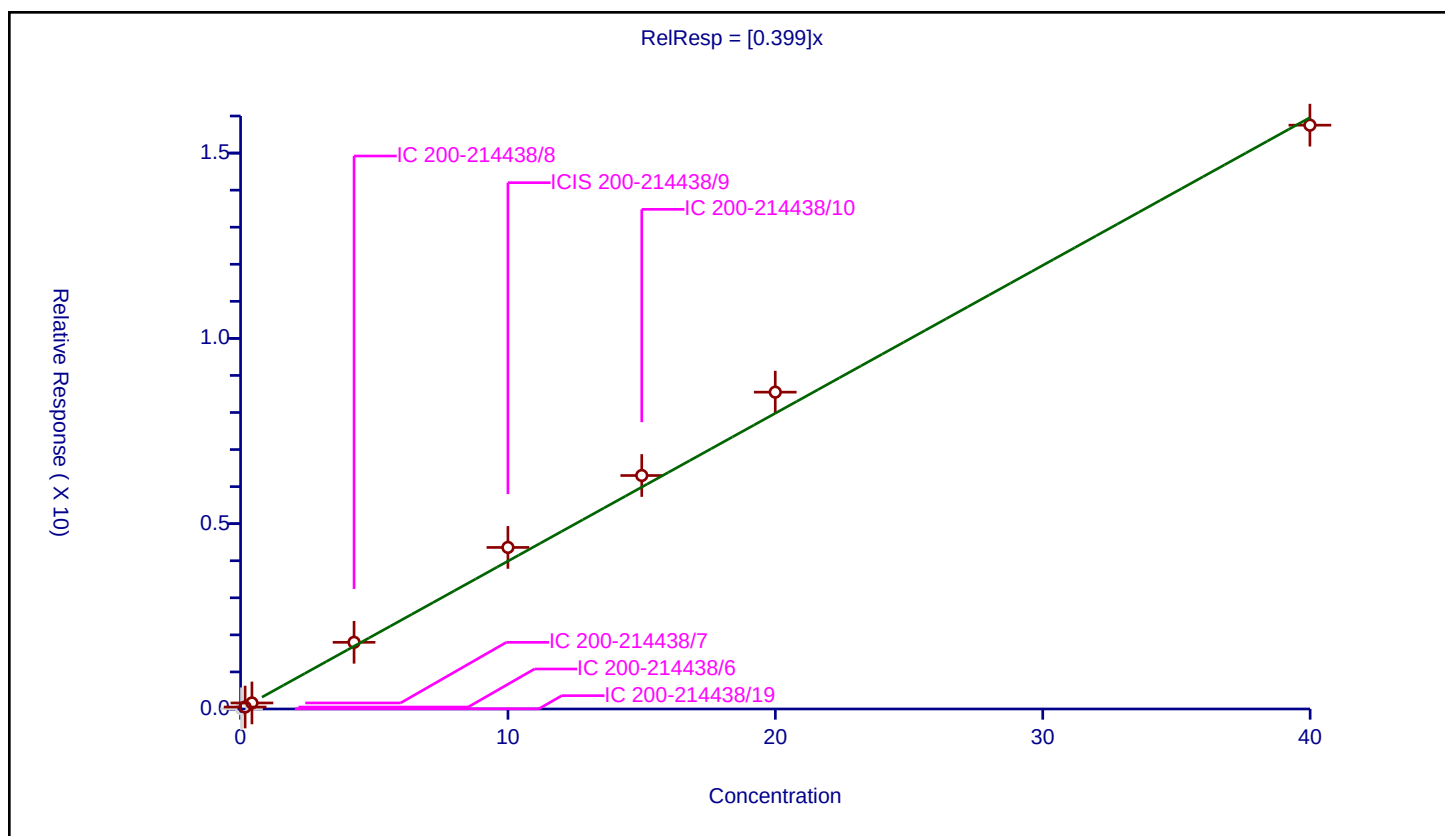
Curve Coefficients

Intercept: 0
Slope: 0.399

Error Coefficients

Relative Standard Deviation: 11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.00541	10.0	367869.0	0.154219	N
2	IC 200-214438/6	0.170374	0.052635	10.0	311962.0	0.308936	Y
3	IC 200-214438/7	0.425385	0.162773	10.0	306009.0	0.382649	Y
4	IC 200-214438/8	4.243678	1.799548	10.0	305060.0	0.424054	Y
5	ICIS 200-214438/9	9.99806	4.359536	10.0	307535.0	0.436038	Y
6	IC 200-214438/10	15.003557	6.300022	10.0	314837.0	0.419902	Y
7	IC 200-214438/13	19.99612	8.548943	10.0	313413.0	0.42753	Y
8	IC 200-214438/14	39.99224	15.753437	10.0	353460.0	0.393912	Y



Calibration

/ n-Butanol

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

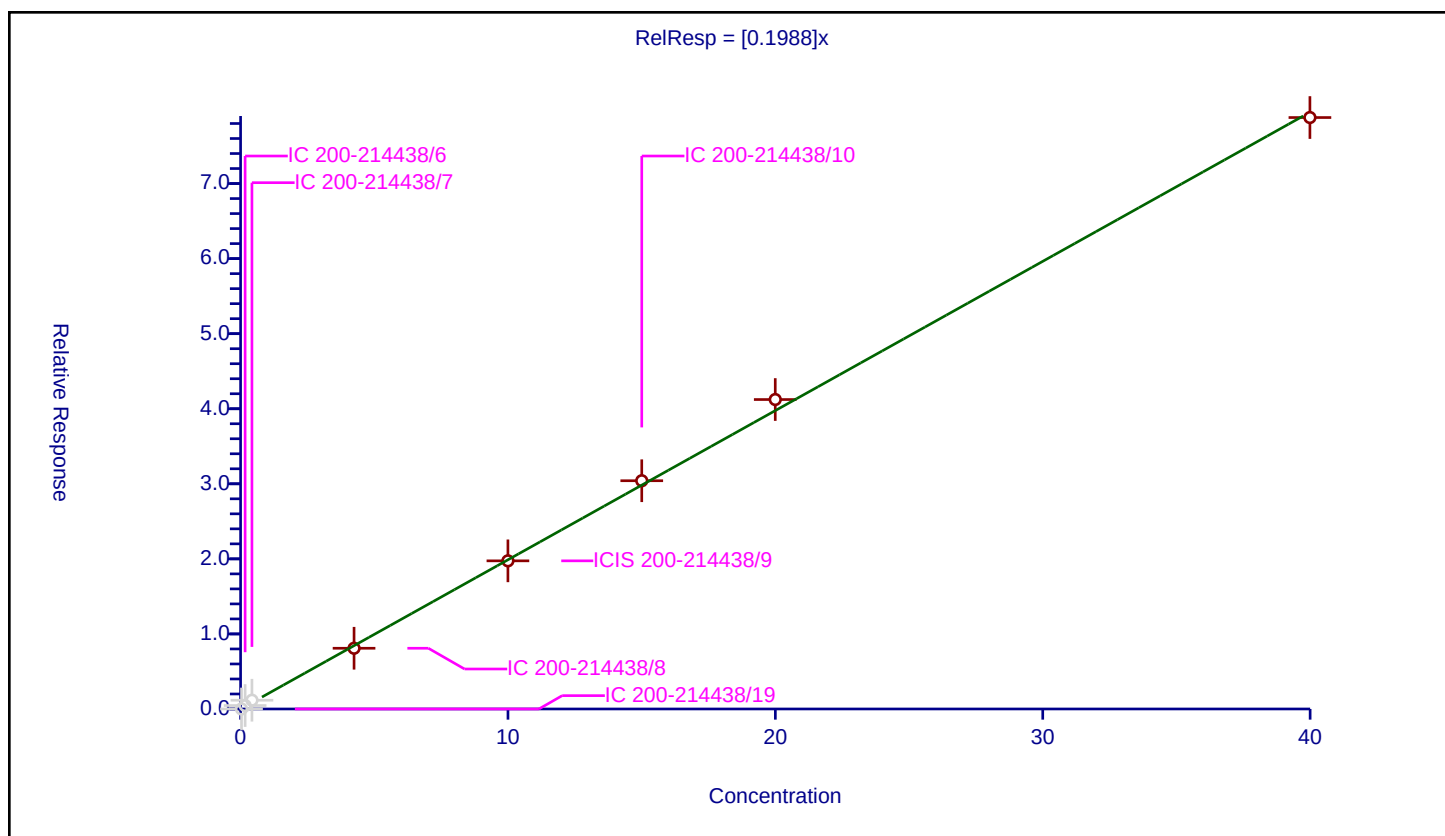
Curve Coefficients

Intercept: 0
 Slope: 0.1988

Error Coefficients

Relative Standard Deviation: 3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	367869.0	0.0	N
2	IC 200-214438/6	0.170374	0.045903	10.0	311962.0	0.269426	N
3	IC 200-214438/7	0.425385	0.116859	10.0	306009.0	0.274714	N
4	IC 200-214438/8	4.243678	0.809054	10.0	305060.0	0.190649	Y
5	ICIS 200-214438/9	9.99806	1.973792	10.0	307535.0	0.197417	Y
6	IC 200-214438/10	15.003557	3.040843	10.0	314837.0	0.202675	Y
7	IC 200-214438/13	19.99612	4.122899	10.0	313413.0	0.206185	Y
8	IC 200-214438/14	39.99224	7.879817	10.0	353460.0	0.197034	Y



Calibration

/ Trichloroethene

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

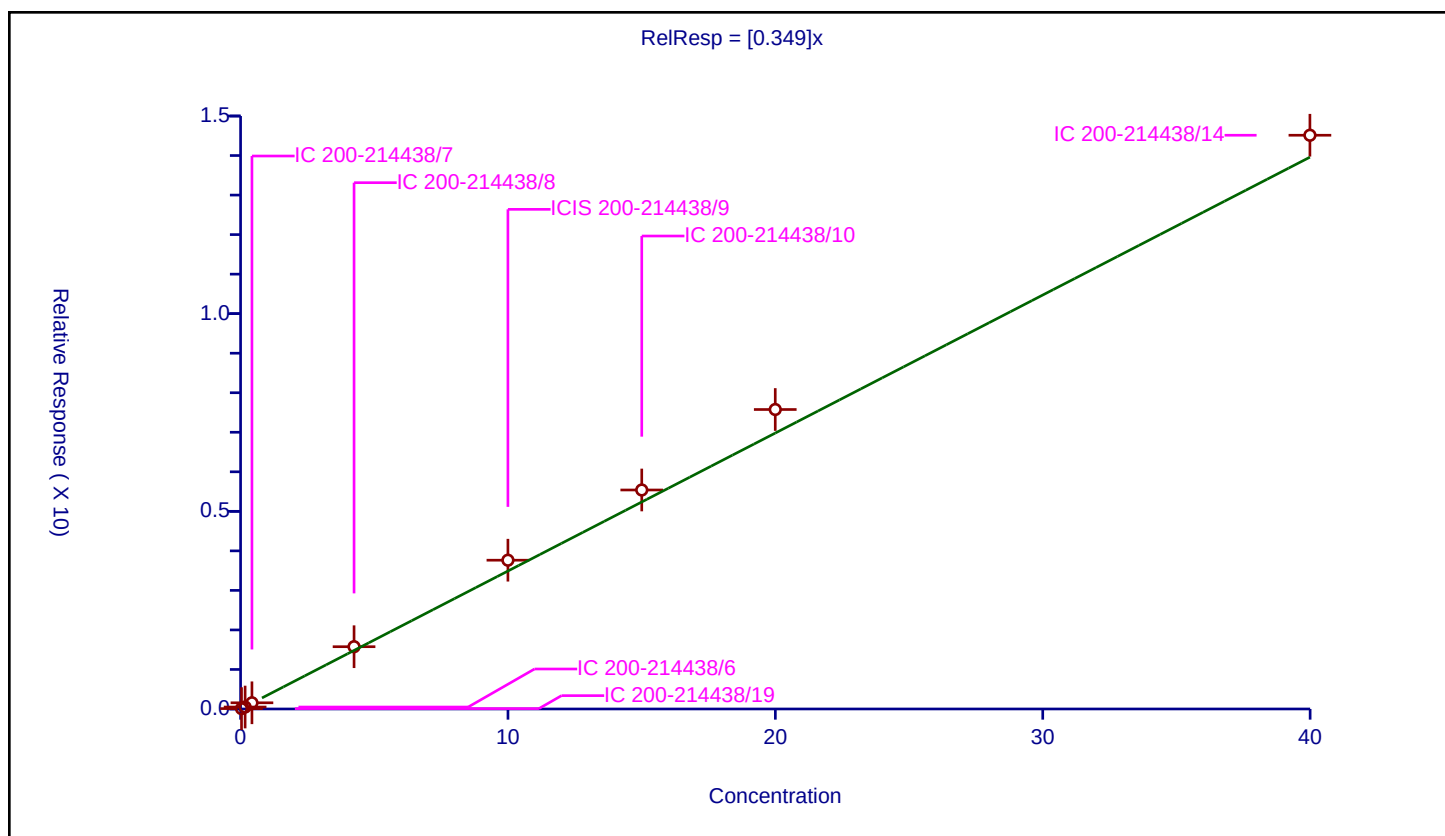
Curve Coefficients

Intercept: 0
Slope: 0.349

Error Coefficients

Relative Standard Deviation: 11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.00965	10.0	367869.0	0.275114	Y
2	IC 200-214438/6	0.170374	0.049365	10.0	311962.0	0.289745	Y
3	IC 200-214438/7	0.425385	0.156858	10.0	306009.0	0.368744	Y
4	IC 200-214438/8	4.243678	1.575756	10.0	305060.0	0.371318	Y
5	ICIS 200-214438/9	9.99806	3.763734	10.0	307535.0	0.376446	Y
6	IC 200-214438/10	15.003557	5.539978	10.0	314837.0	0.369244	Y
7	IC 200-214438/13	19.99612	7.575436	10.0	313413.0	0.378845	Y
8	IC 200-214438/14	39.99224	14.51375	10.0	353460.0	0.362914	Y



Calibration

/ 1,2-Dichloropropane

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

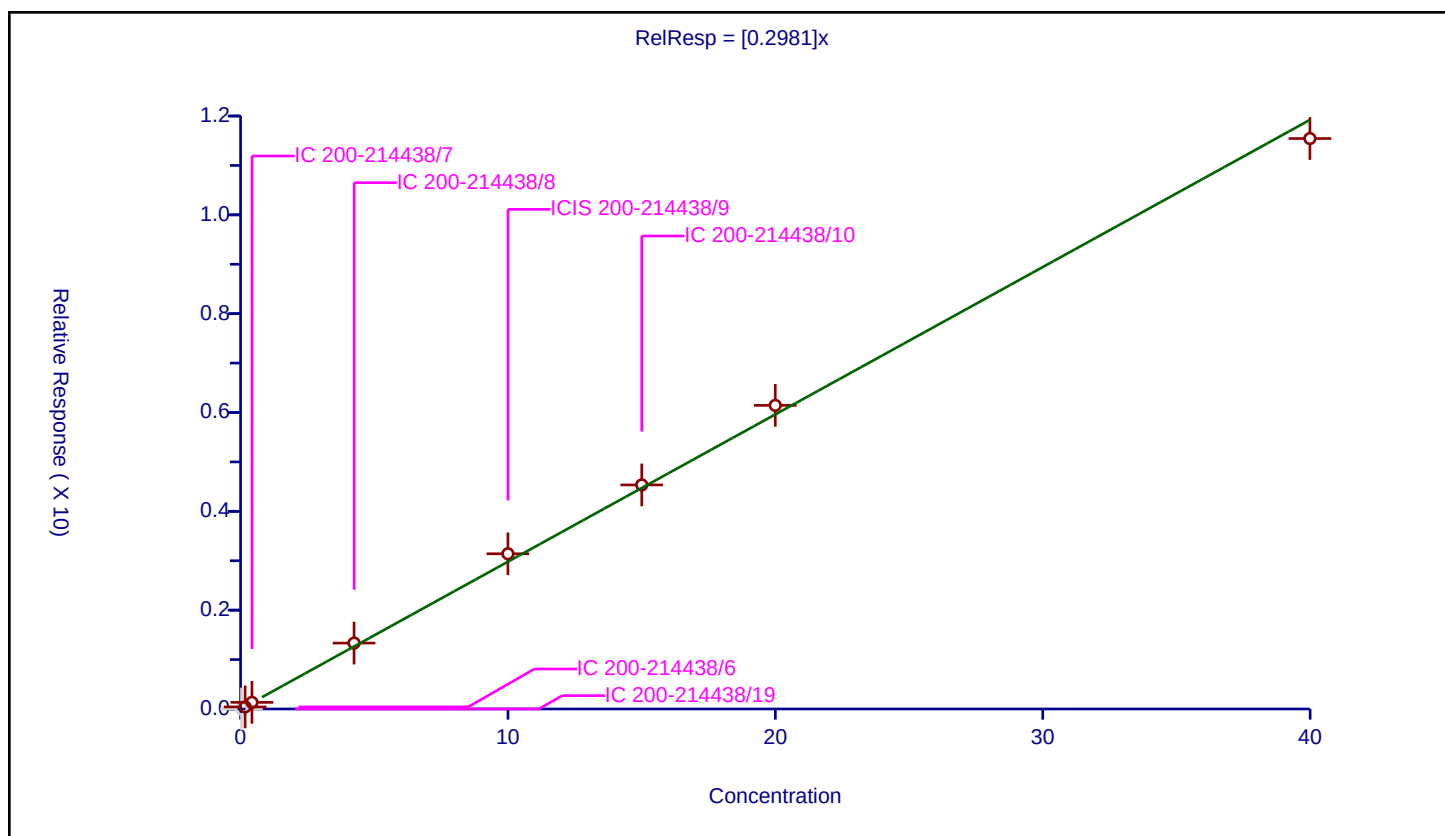
Curve Coefficients

Intercept: 0
 Slope: 0.2981

Error Coefficients

Relative Standard Deviation: 8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	367869.0	0.0	N
2	IC 200-214438/6	0.170374	0.0418	10.0	311962.0	0.245343	Y
3	IC 200-214438/7	0.425385	0.133885	10.0	306009.0	0.314739	Y
4	IC 200-214438/8	4.243678	1.333541	10.0	305060.0	0.314242	Y
5	ICIS 200-214438/9	9.99806	3.141301	10.0	307535.0	0.314191	Y
6	IC 200-214438/10	15.003557	4.534632	10.0	314837.0	0.302237	Y
7	IC 200-214438/13	19.99612	6.144129	10.0	313413.0	0.307266	Y
8	IC 200-214438/14	39.99224	11.544729	10.0	353460.0	0.288674	Y



Calibration

/ Methyl methacrylate

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

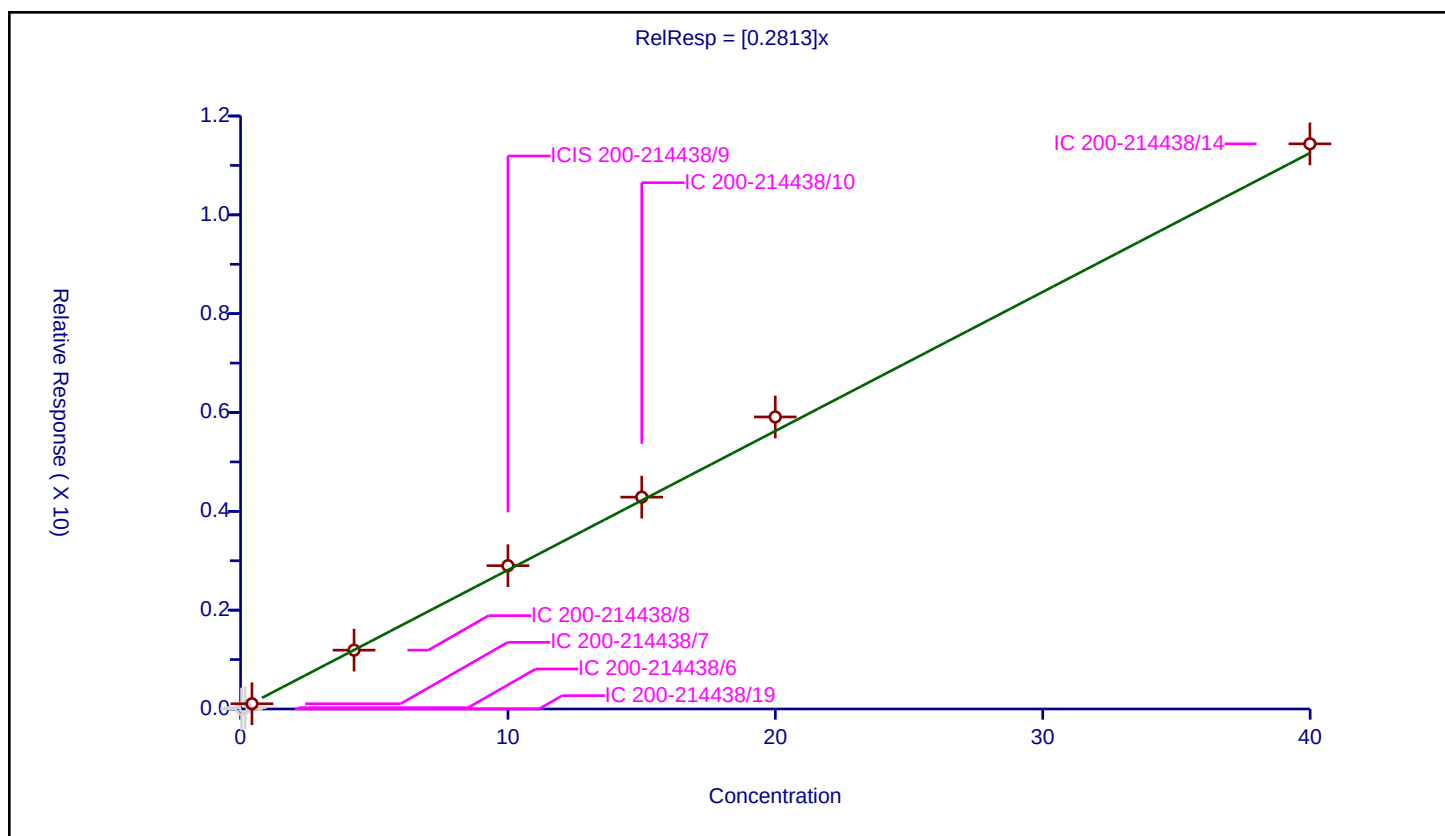
Curve Coefficients

Intercept: 0
Slope: 0.2813

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	367869.0	0.0	N
2	IC 200-214438/6	0.170374	0.027183	10.0	311962.0	0.159548	N
3	IC 200-214438/7	0.425385	0.106304	10.0	306009.0	0.249901	Y
4	IC 200-214438/8	4.243678	1.190848	10.0	305060.0	0.280617	Y
5	ICIS 200-214438/9	9.99806	2.900385	10.0	307535.0	0.290095	Y
6	IC 200-214438/10	15.003557	4.287139	10.0	314837.0	0.285742	Y
7	IC 200-214438/13	19.99612	5.910125	10.0	313413.0	0.295564	Y
8	IC 200-214438/14	39.99224	11.437192	10.0	353460.0	0.285985	Y



Calibration

/ 1,4-Dioxane

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

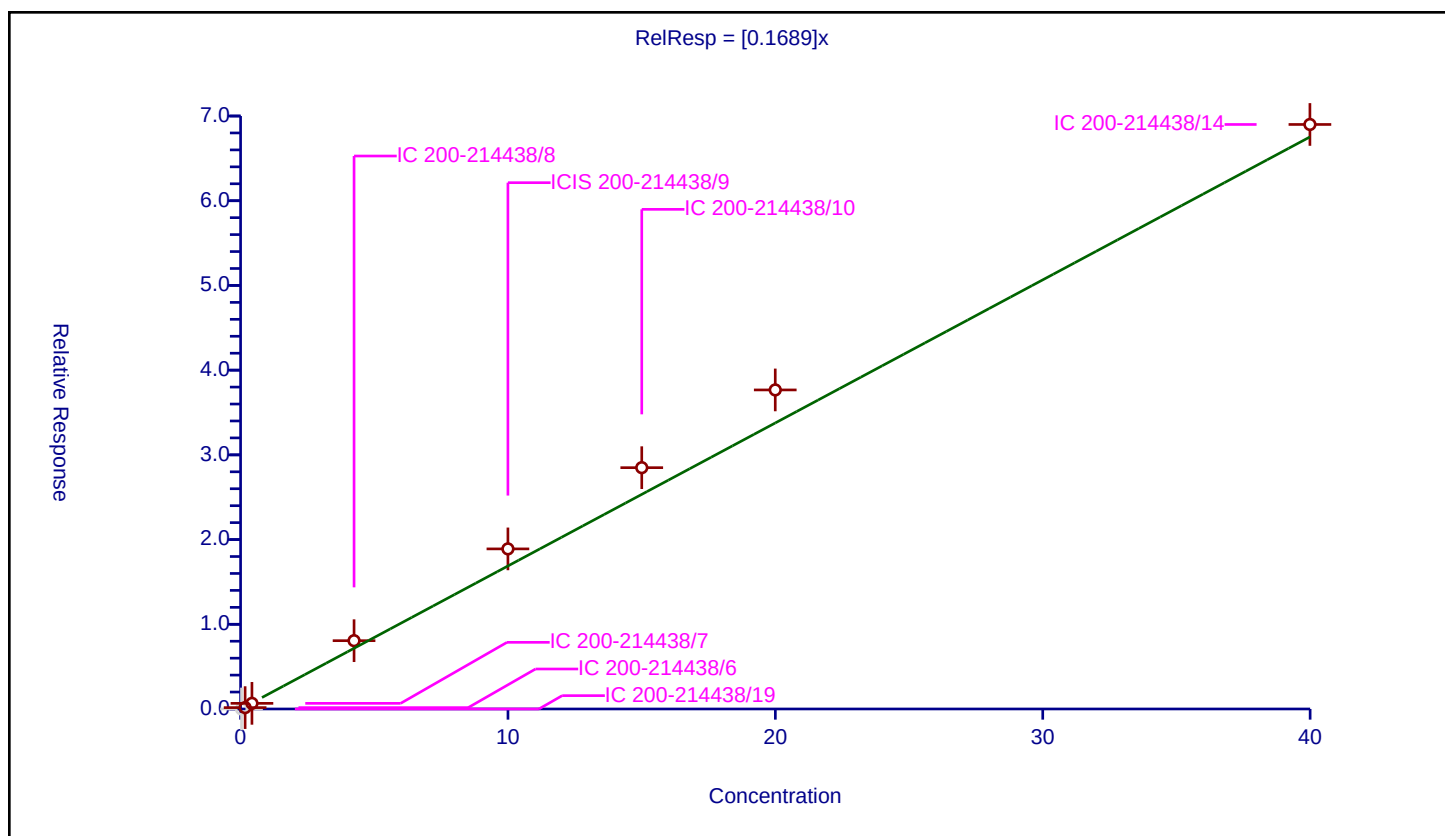
Curve Coefficients

Intercept: 0
Slope: 0.1689

Error Coefficients

Relative Standard Deviation: 20.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	367869.0	0.0	N
2	IC 200-214438/6	0.170374	0.016252	10.0	311962.0	0.09539	Y
3	IC 200-214438/7	0.425385	0.066697	10.0	306009.0	0.156793	Y
4	IC 200-214438/8	4.243678	0.806235	10.0	305060.0	0.189985	Y
5	ICIS 200-214438/9	9.99806	1.889964	10.0	307535.0	0.189033	Y
6	IC 200-214438/10	15.003557	2.848839	10.0	314837.0	0.189878	Y
7	IC 200-214438/13	19.99612	3.766532	10.0	313413.0	0.188363	Y
8	IC 200-214438/14	39.99224	6.900215	10.0	353460.0	0.172539	Y



Calibration

/ Dibromomethane

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

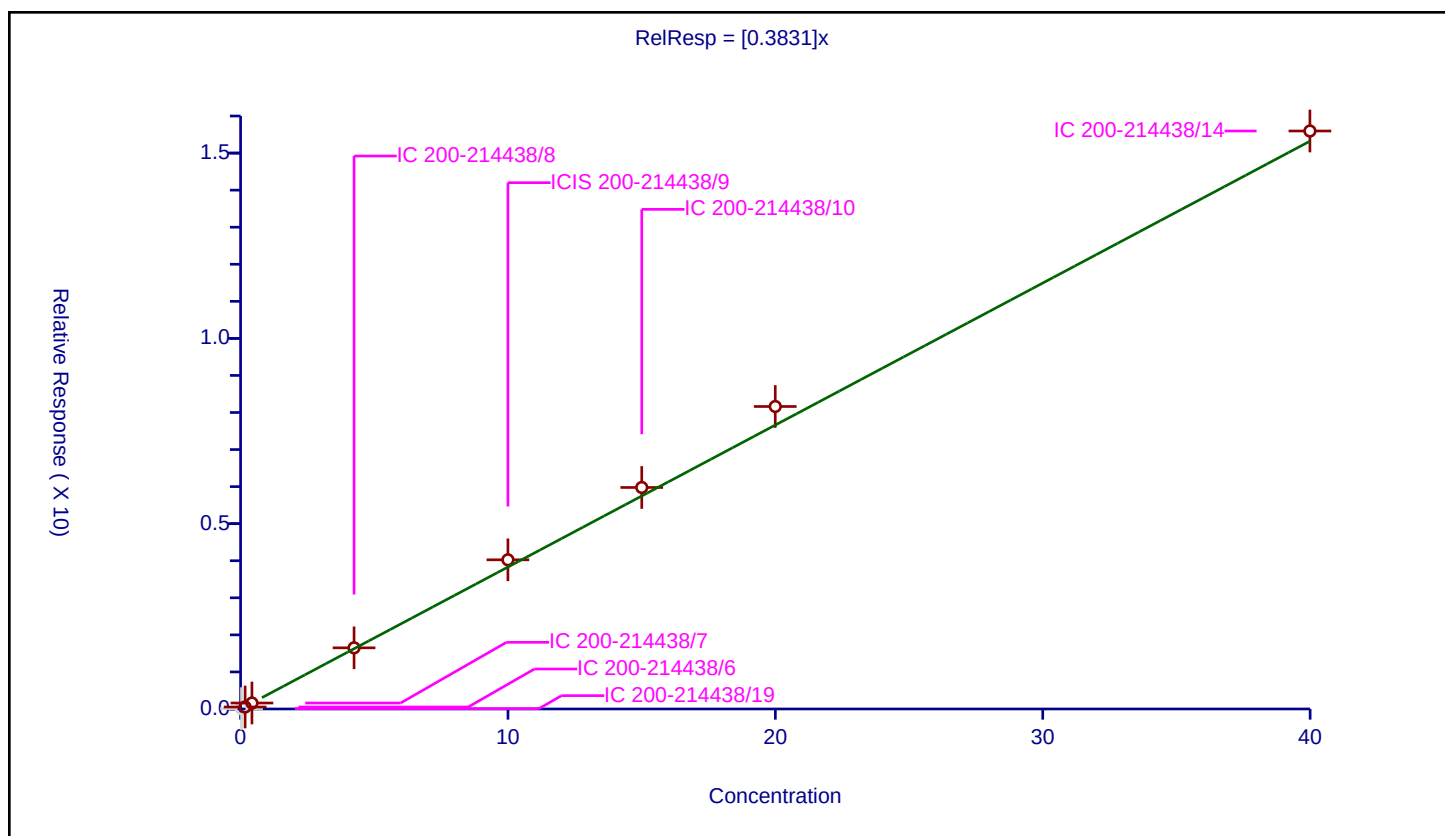
Curve Coefficients

Intercept: 0
Slope: 0.3831

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.00946	10.0	367869.0	0.26969	N
2	IC 200-214438/6	0.170374	0.0535	10.0	311962.0	0.314016	Y
3	IC 200-214438/7	0.425385	0.161433	10.0	306009.0	0.379499	Y
4	IC 200-214438/8	4.243678	1.650593	10.0	305060.0	0.388953	Y
5	ICIS 200-214438/9	9.99806	4.025363	10.0	307535.0	0.402614	Y
6	IC 200-214438/10	15.003557	5.976902	10.0	314837.0	0.398366	Y
7	IC 200-214438/13	19.99612	8.162137	10.0	313413.0	0.408186	Y
8	IC 200-214438/14	39.99224	15.595881	10.0	353460.0	0.389973	Y



Calibration

/ Dichlorobromomethane

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

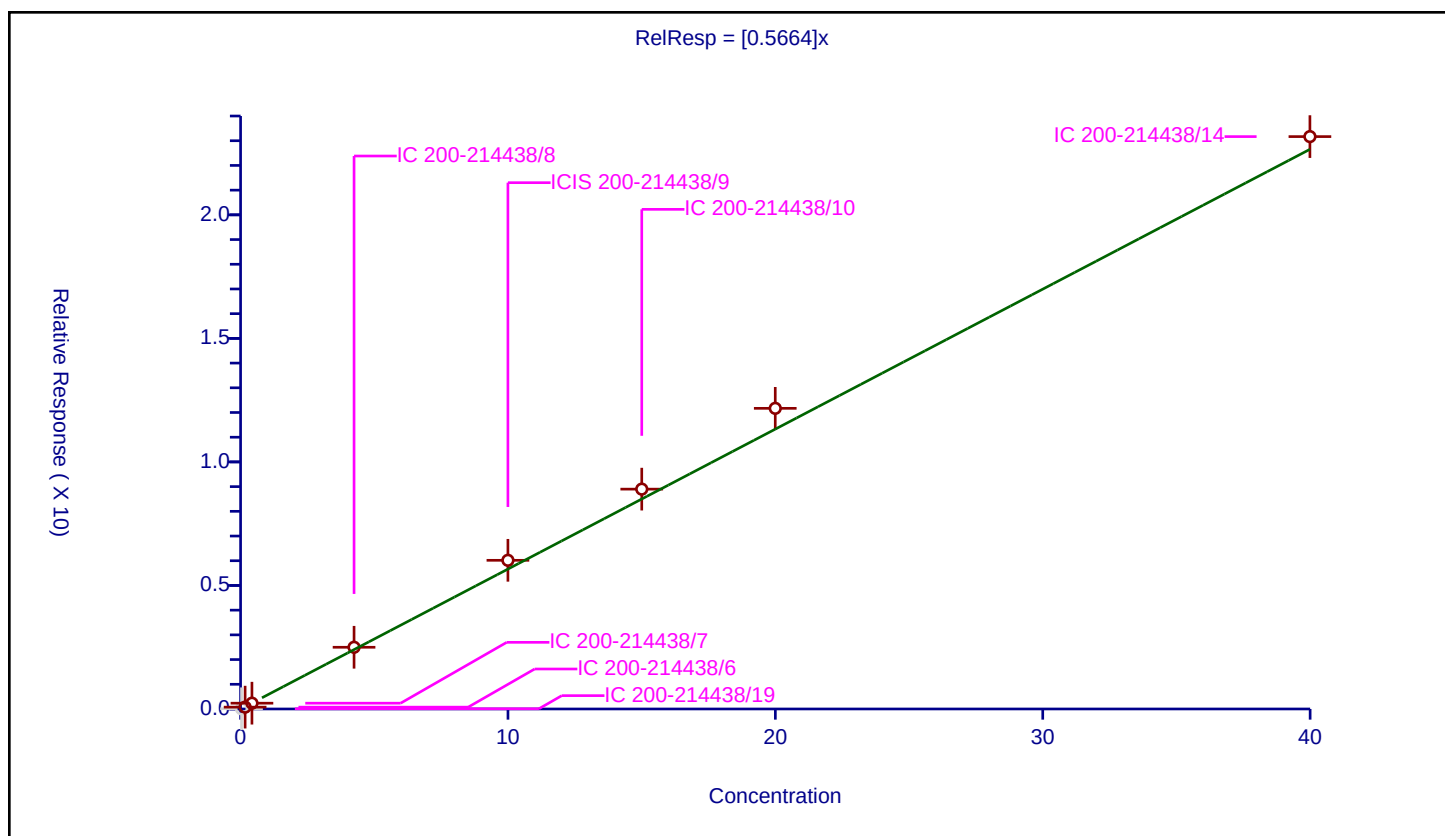
Curve Coefficients

Intercept: 0
 Slope: 0.5664

Error Coefficients

Relative Standard Deviation: 10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.009324	10.0	367869.0	0.265815	N
2	IC 200-214438/6	0.170374	0.075105	10.0	311962.0	0.440827	Y
3	IC 200-214438/7	0.425385	0.235058	10.0	306009.0	0.552579	Y
4	IC 200-214438/8	4.243678	2.497705	10.0	305060.0	0.588571	Y
5	ICIS 200-214438/9	9.99806	6.017884	10.0	307535.0	0.601905	Y
6	IC 200-214438/10	15.003557	8.898732	10.0	314837.0	0.593108	Y
7	IC 200-214438/13	19.99612	12.169119	10.0	313413.0	0.608574	Y
8	IC 200-214438/14	39.99224	23.167034	10.0	353460.0	0.579288	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

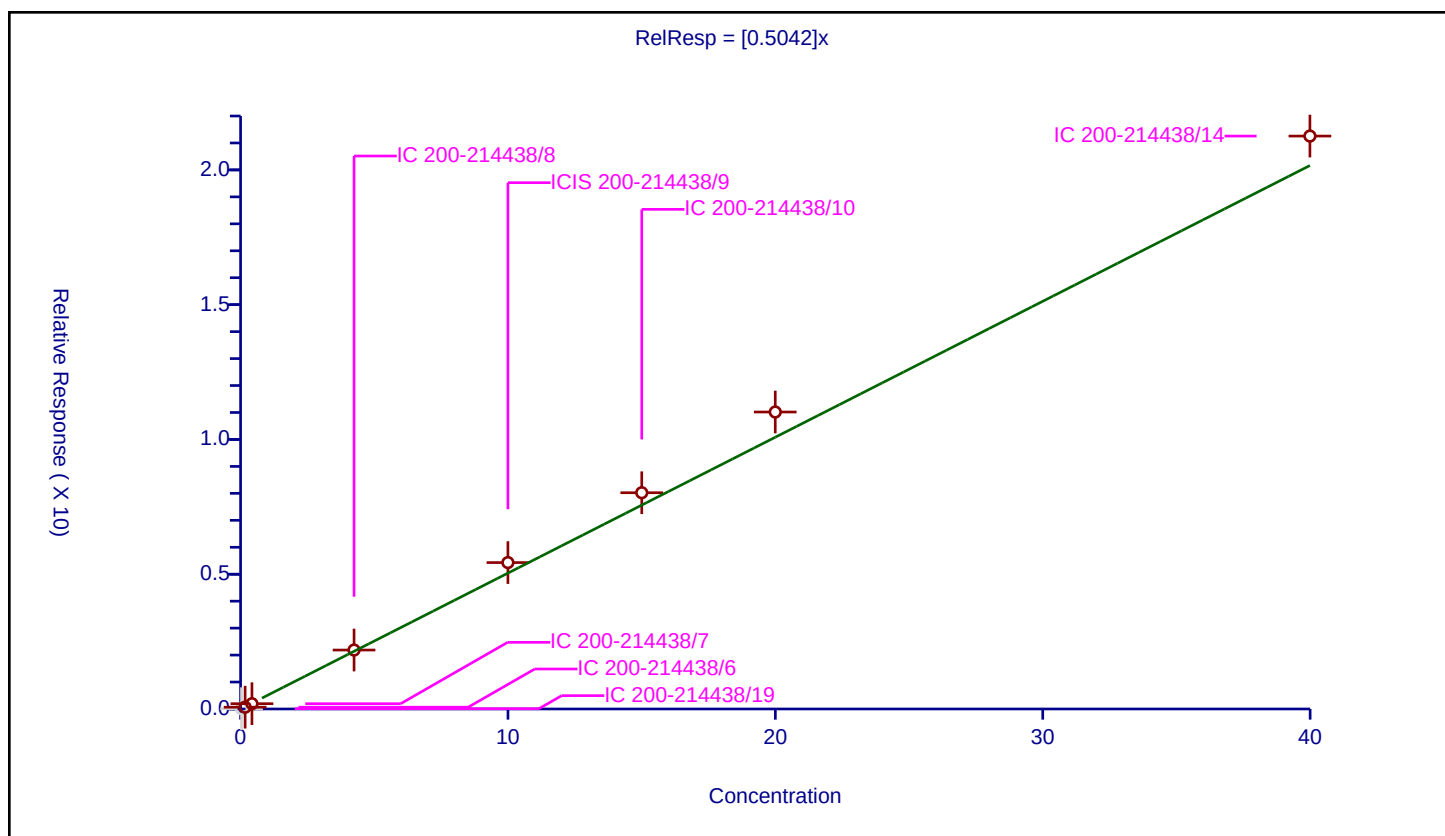
Curve Coefficients

Intercept: 0
 Slope: 0.5042

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.010602	10.0	367869.0	0.302238	N
2	IC 200-214438/6	0.170374	0.066771	10.0	311962.0	0.391909	Y
3	IC 200-214438/7	0.425385	0.196334	10.0	306009.0	0.461545	Y
4	IC 200-214438/8	4.243678	2.186586	10.0	305060.0	0.515257	Y
5	ICIS 200-214438/9	9.99806	5.431739	10.0	307535.0	0.543279	Y
6	IC 200-214438/10	15.003557	8.023295	10.0	314837.0	0.53476	Y
7	IC 200-214438/13	19.99612	11.018209	10.0	313413.0	0.551017	Y
8	IC 200-214438/14	39.99224	21.256267	10.0	353460.0	0.53151	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

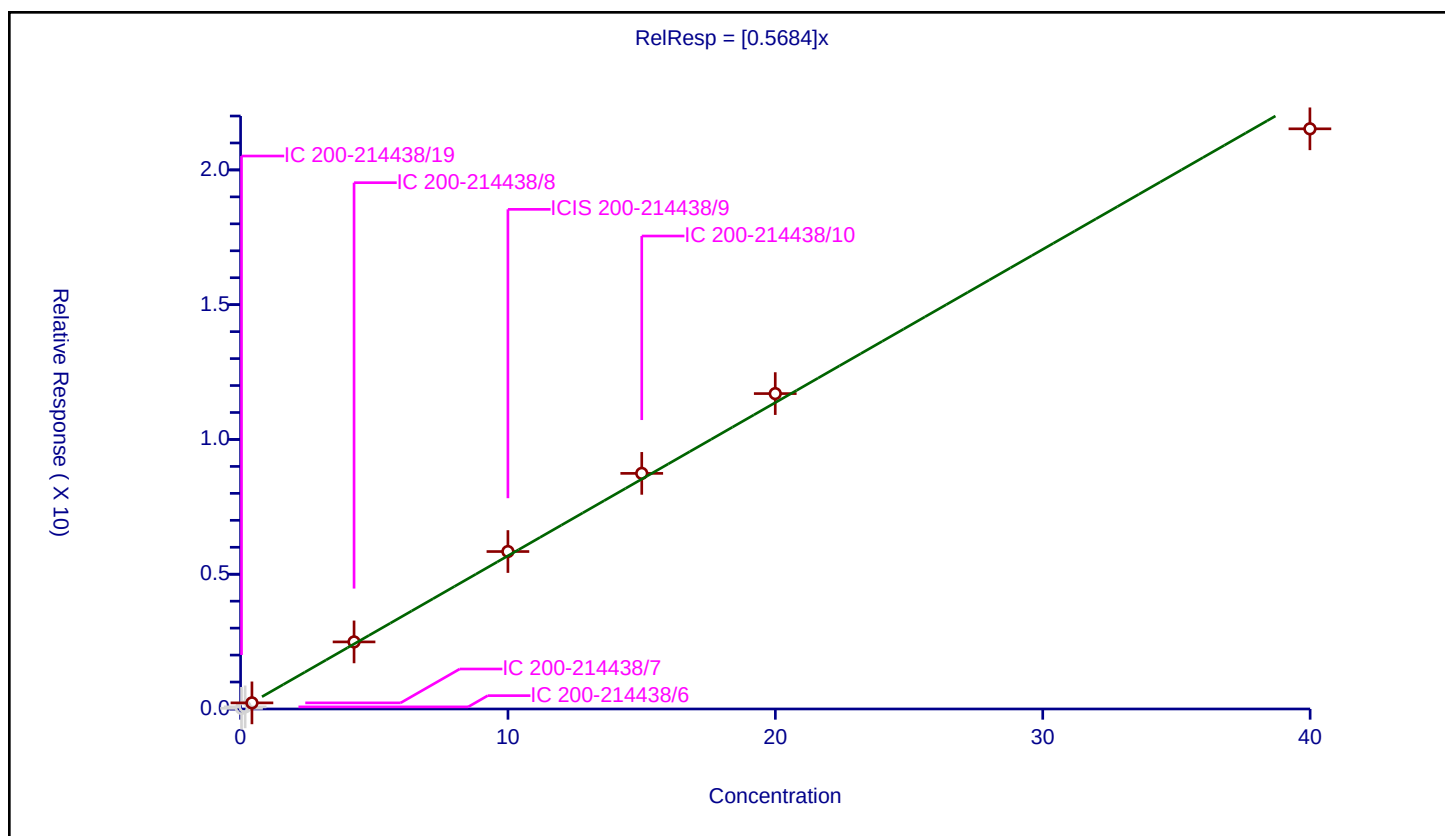
Curve Coefficients

Intercept: 0
 Slope: 0.5684

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.025335	10.0	367869.0	0.722272	N
2	IC 200-214438/6	0.170374	0.078599	10.0	311962.0	0.461335	N
3	IC 200-214438/7	0.425385	0.227085	10.0	306009.0	0.533834	Y
4	IC 200-214438/8	4.243678	2.488363	10.0	305060.0	0.586369	Y
5	ICIS 200-214438/9	9.99806	5.842002	10.0	307535.0	0.584314	Y
6	IC 200-214438/10	15.003557	8.741222	10.0	314837.0	0.58261	Y
7	IC 200-214438/13	19.99612	11.701206	10.0	313413.0	0.585174	Y
8	IC 200-214438/14	39.99224	21.524699	10.0	353460.0	0.538222	Y



Calibration

/ Toluene

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

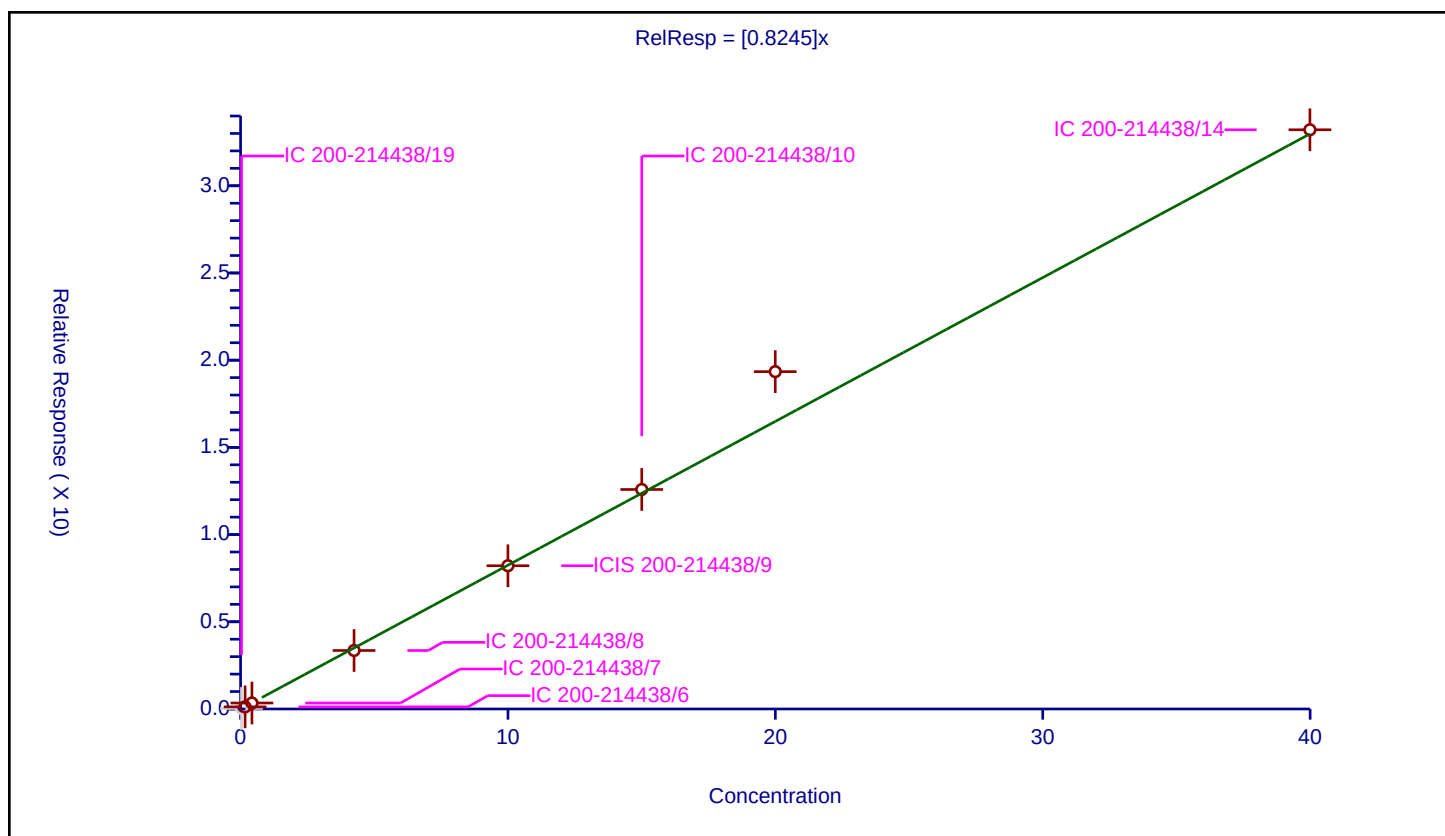
Curve Coefficients

Intercept: 0
Slope: 0.8245

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.031115	10.0	229795.0	0.887041	N
2	IC 200-214438/6	0.170374	0.121895	10.0	194183.0	0.715459	Y
3	IC 200-214438/7	0.425385	0.343511	10.0	213763.0	0.807531	Y
4	IC 200-214438/8	4.243678	3.353772	10.0	229145.0	0.790298	Y
5	ICIS 200-214438/9	9.99806	8.213472	10.0	233033.0	0.821507	Y
6	IC 200-214438/10	15.003557	12.586826	10.0	230259.0	0.838923	Y
7	IC 200-214438/13	19.99612	19.343242	10.0	203667.0	0.96735	Y
8	IC 200-214438/14	39.99224	33.211411	10.0	255682.0	0.830446	Y



Calibration

/ n-Octane

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

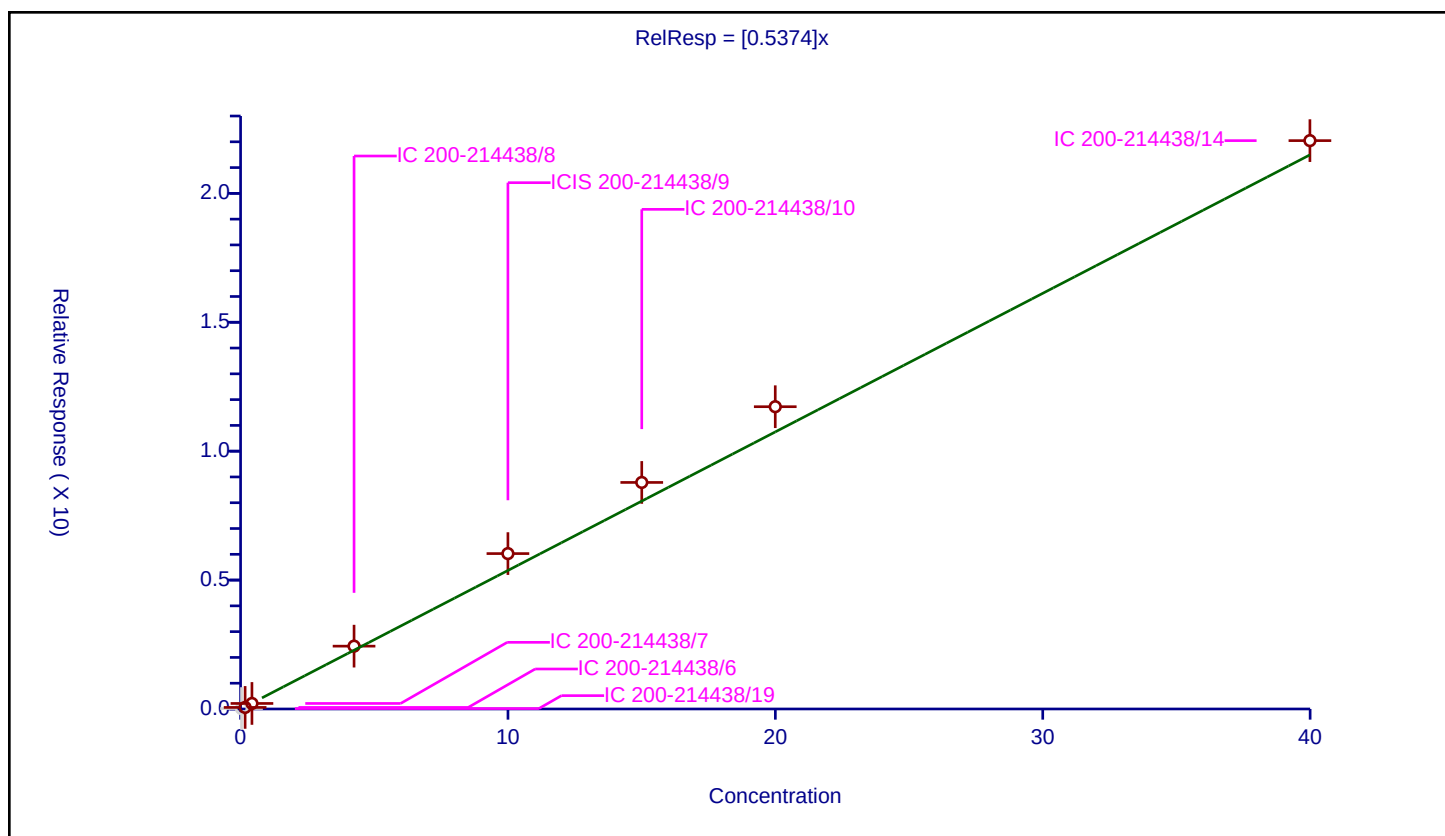
Curve Coefficients

Intercept: 0
Slope: 0.5374

Error Coefficients

Relative Standard Deviation: 16.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.016636	10.0	367869.0	0.474282	N
2	IC 200-214438/6	0.170374	0.060873	10.0	311962.0	0.35729	Y
3	IC 200-214438/7	0.425385	0.214438	10.0	306009.0	0.504104	Y
4	IC 200-214438/8	4.243678	2.437881	10.0	305060.0	0.574474	Y
5	ICIS 200-214438/9	9.99806	6.027151	10.0	307535.0	0.602832	Y
6	IC 200-214438/10	15.003557	8.787055	10.0	314837.0	0.585665	Y
7	IC 200-214438/13	19.99612	11.724274	10.0	313413.0	0.586327	Y
8	IC 200-214438/14	39.99224	22.044927	10.0	353460.0	0.55123	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

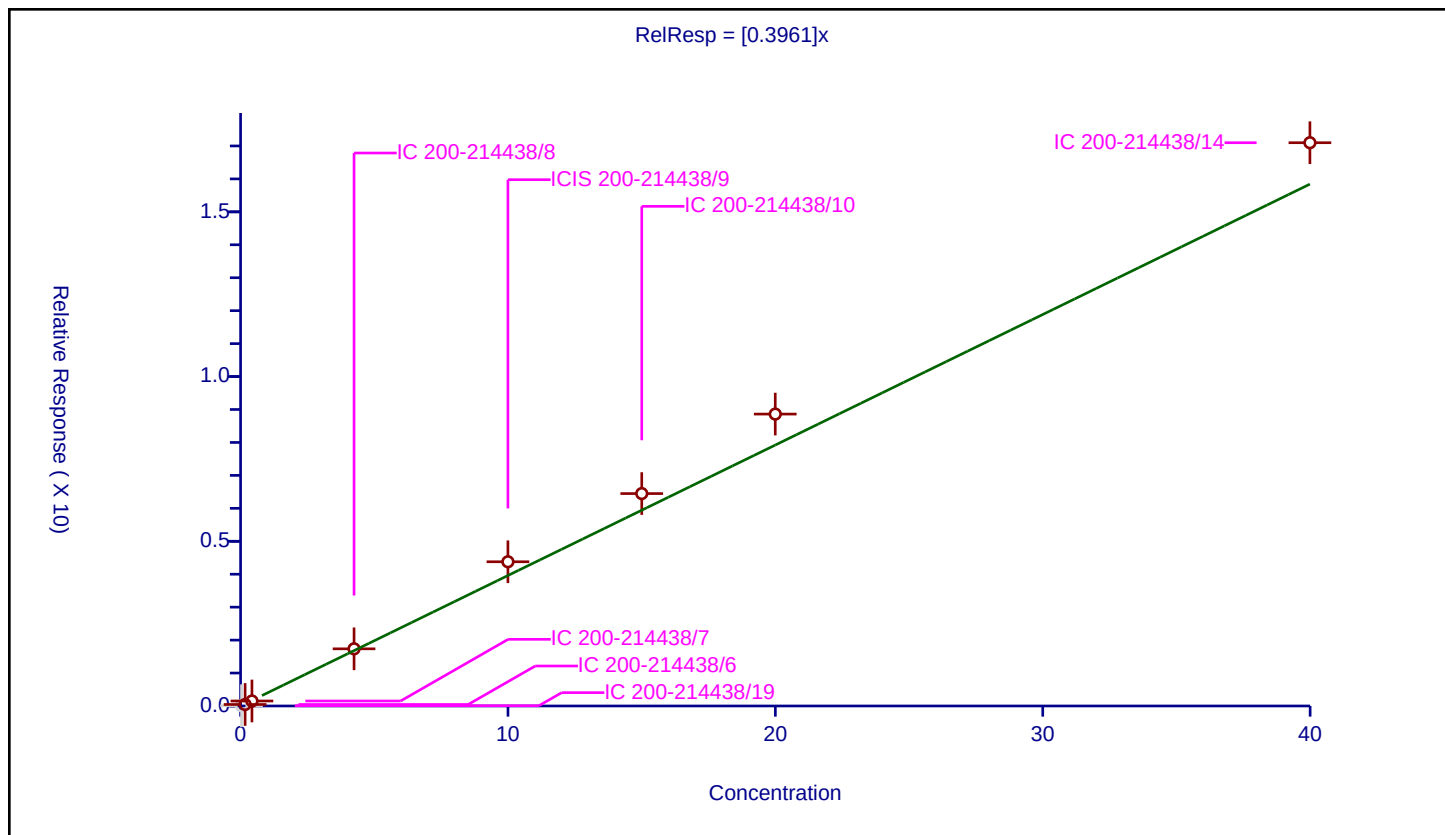
Curve Coefficients

Intercept: 0
Slope: 0.3961

Error Coefficients

Relative Standard Deviation: 15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.008182	10.0	367869.0	0.233266	N
2	IC 200-214438/6	0.170374	0.045871	10.0	311962.0	0.269237	Y
3	IC 200-214438/7	0.425385	0.151564	10.0	306009.0	0.356299	Y
4	IC 200-214438/8	4.243678	1.735232	10.0	305060.0	0.408898	Y
5	ICIS 200-214438/9	9.99806	4.378136	10.0	307535.0	0.437899	Y
6	IC 200-214438/10	15.003557	6.448003	10.0	314837.0	0.429765	Y
7	IC 200-214438/13	19.99612	8.860577	10.0	313413.0	0.443115	Y
8	IC 200-214438/14	39.99224	17.098314	10.0	353460.0	0.427541	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

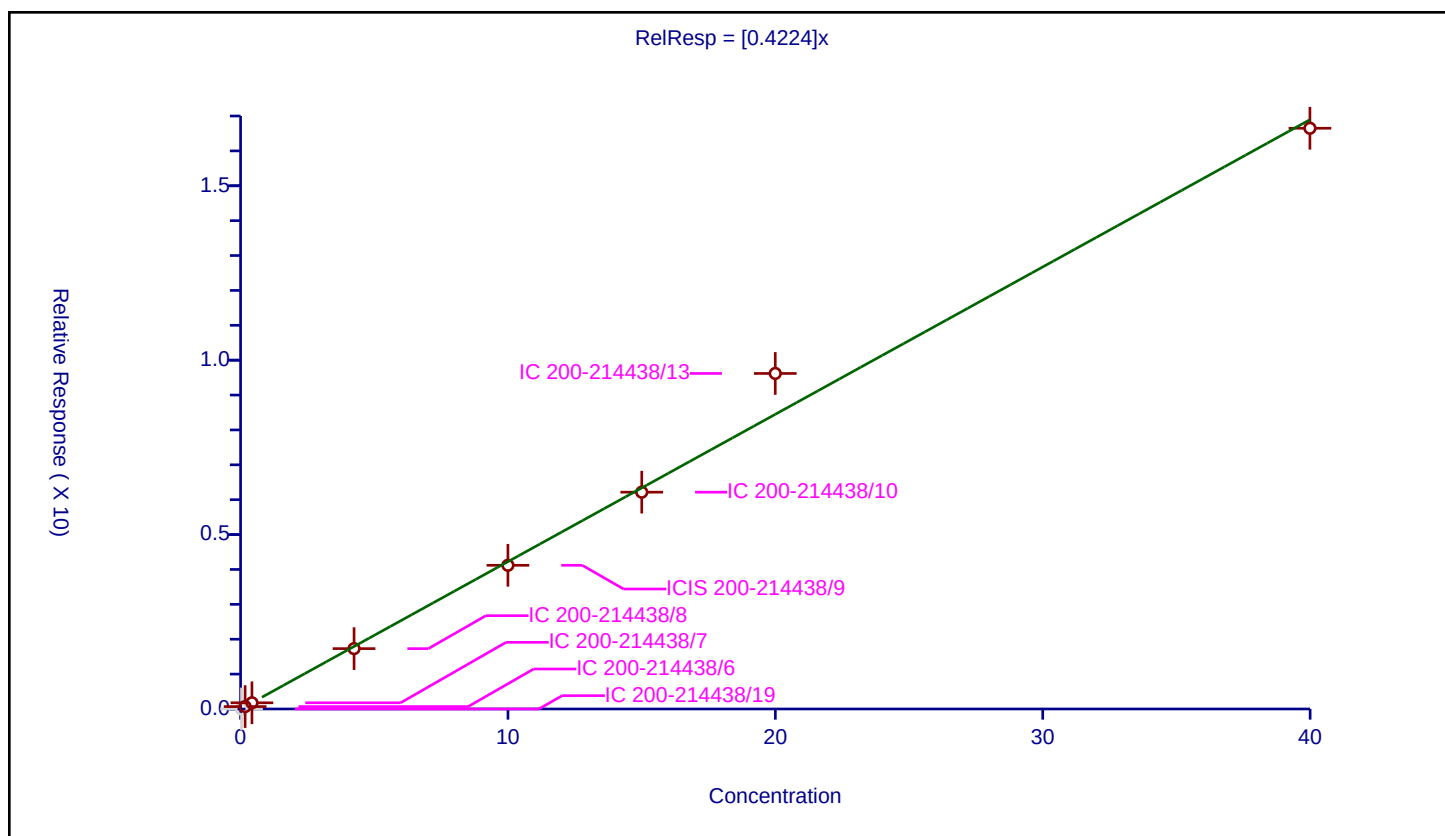
Curve Coefficients

Intercept: 0
Slope: 0.4224

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	229795.0	0.0	N
2	IC 200-214438/6	0.170374	0.069522	10.0	194183.0	0.408056	Y
3	IC 200-214438/7	0.425385	0.177627	10.0	213763.0	0.417567	Y
4	IC 200-214438/8	4.243678	1.730433	10.0	229145.0	0.407767	Y
5	ICIS 200-214438/9	9.99806	4.119631	10.0	233033.0	0.412043	Y
6	IC 200-214438/10	15.003557	6.21587	10.0	230259.0	0.414293	Y
7	IC 200-214438/13	19.99612	9.61928	10.0	203667.0	0.481057	Y
8	IC 200-214438/14	39.99224	16.649197	10.0	255682.0	0.416311	Y



Calibration

/ Tetrachloroethene

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

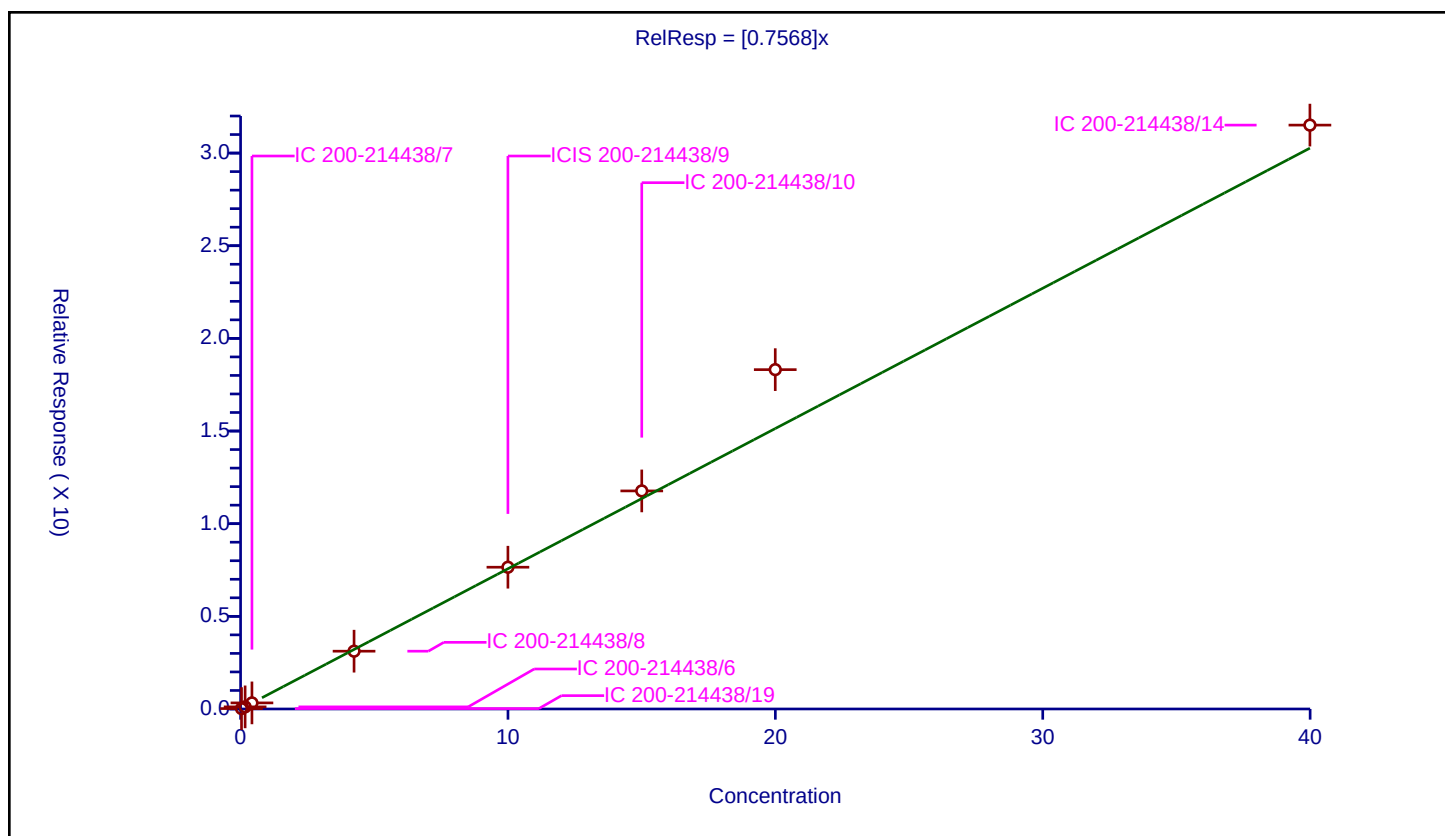
Curve Coefficients

Intercept: 0
Slope: 0.7568

Error Coefficients

Relative Standard Deviation: 11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.021846	10.0	229795.0	0.62279	Y
2	IC 200-214438/6	0.170374	0.114222	10.0	194183.0	0.670421	Y
3	IC 200-214438/7	0.425385	0.328822	10.0	213763.0	0.772999	Y
4	IC 200-214438/8	4.243678	3.119728	10.0	229145.0	0.735147	Y
5	ICIS 200-214438/9	9.99806	7.650118	10.0	233033.0	0.76516	Y
6	IC 200-214438/10	15.003557	11.768704	10.0	230259.0	0.784394	Y
7	IC 200-214438/13	19.99612	18.312736	10.0	203667.0	0.915814	Y
8	IC 200-214438/14	39.99224	31.509962	10.0	255682.0	0.787902	Y



Calibration

/ 2-Hexanone

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

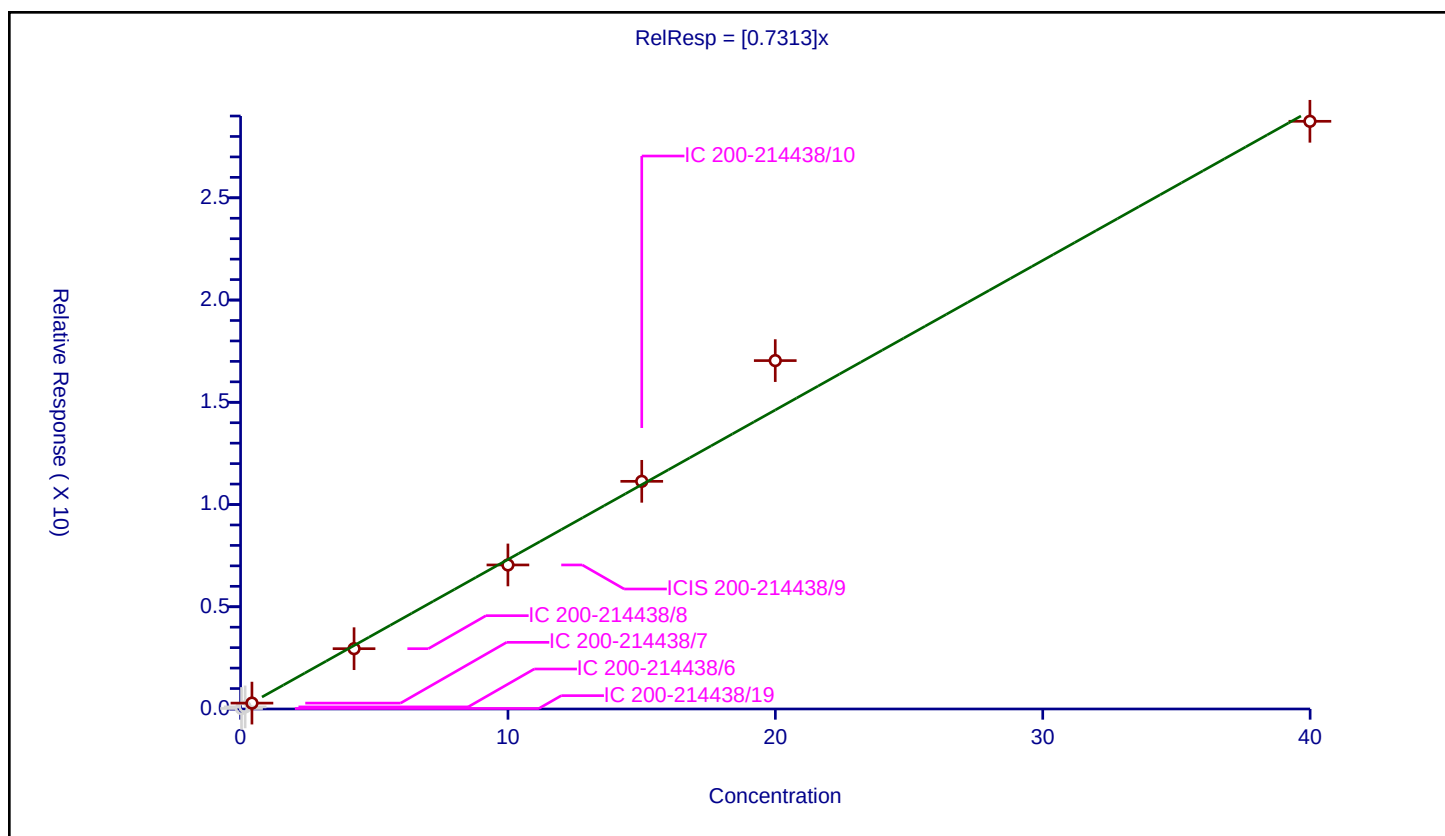
Curve Coefficients

Intercept: 0
Slope: 0.7313

Error Coefficients

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.025153	10.0	229795.0	0.717077	N
2	IC 200-214438/6	0.170374	0.102069	10.0	194183.0	0.599087	N
3	IC 200-214438/7	0.425385	0.287234	10.0	213763.0	0.675233	Y
4	IC 200-214438/8	4.243678	2.948875	10.0	229145.0	0.694887	Y
5	ICIS 200-214438/9	9.99806	7.044324	10.0	233033.0	0.704569	Y
6	IC 200-214438/10	15.003557	11.134071	10.0	230259.0	0.742095	Y
7	IC 200-214438/13	19.99612	17.037615	10.0	203667.0	0.852046	Y
8	IC 200-214438/14	39.99224	28.742266	10.0	255682.0	0.718696	Y



Calibration

/ Chlorodibromomethane

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

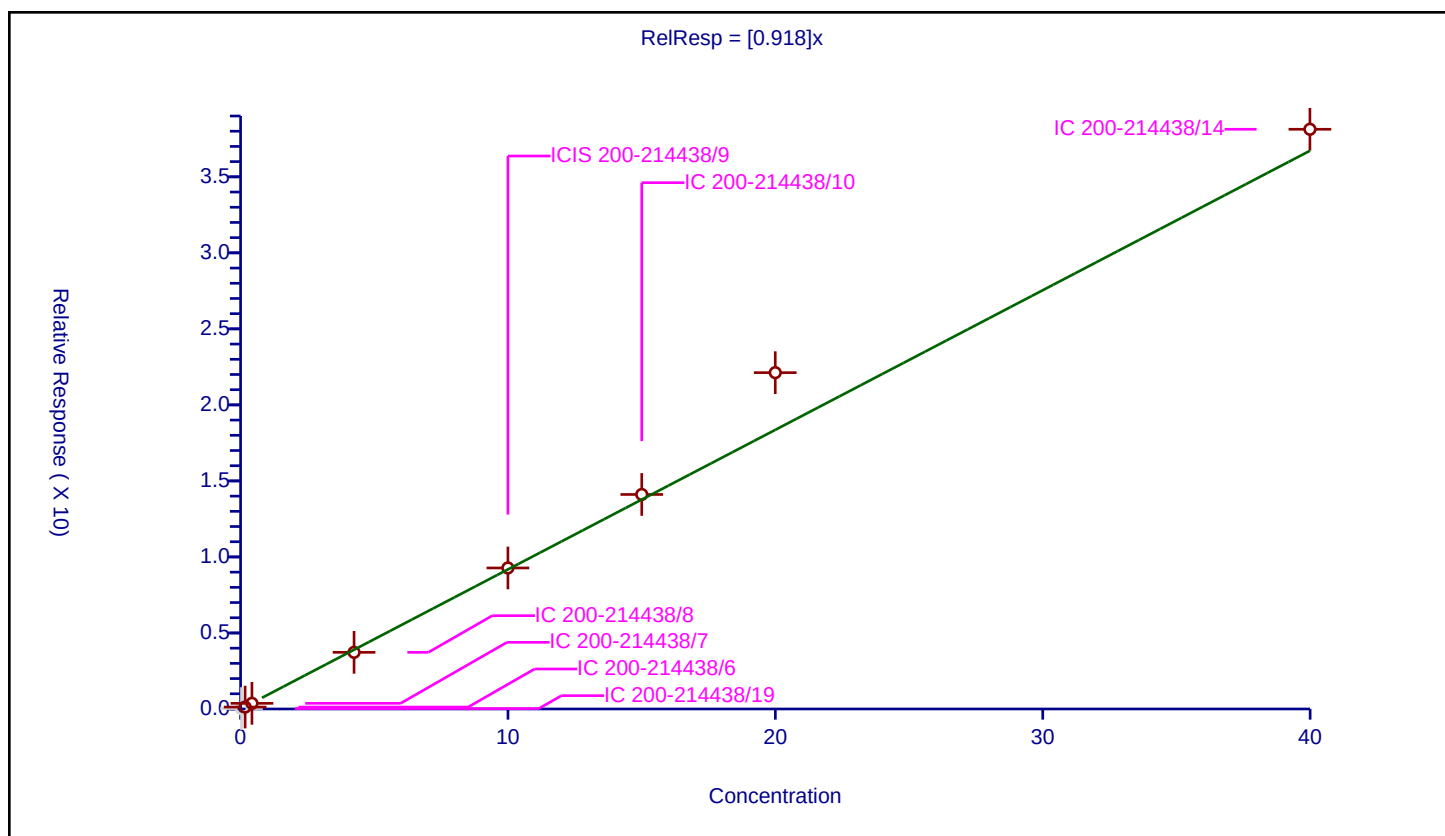
Curve Coefficients

Intercept: 0
Slope: 0.918

Error Coefficients

Relative Standard Deviation: 11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.027894	10.0	229795.0	0.795235	N
2	IC 200-214438/6	0.170374	0.126685	10.0	194183.0	0.743569	Y
3	IC 200-214438/7	0.425385	0.373077	10.0	213763.0	0.877034	Y
4	IC 200-214438/8	4.243678	3.726025	10.0	229145.0	0.878018	Y
5	ICIS 200-214438/9	9.99806	9.275596	10.0	233033.0	0.92774	Y
6	IC 200-214438/10	15.003557	14.1082	10.0	230259.0	0.940324	Y
7	IC 200-214438/13	19.99612	22.120127	10.0	203667.0	1.106221	Y
8	IC 200-214438/14	39.99224	38.128339	10.0	255682.0	0.953393	Y



Calibration

/ Ethylene Dibromide

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

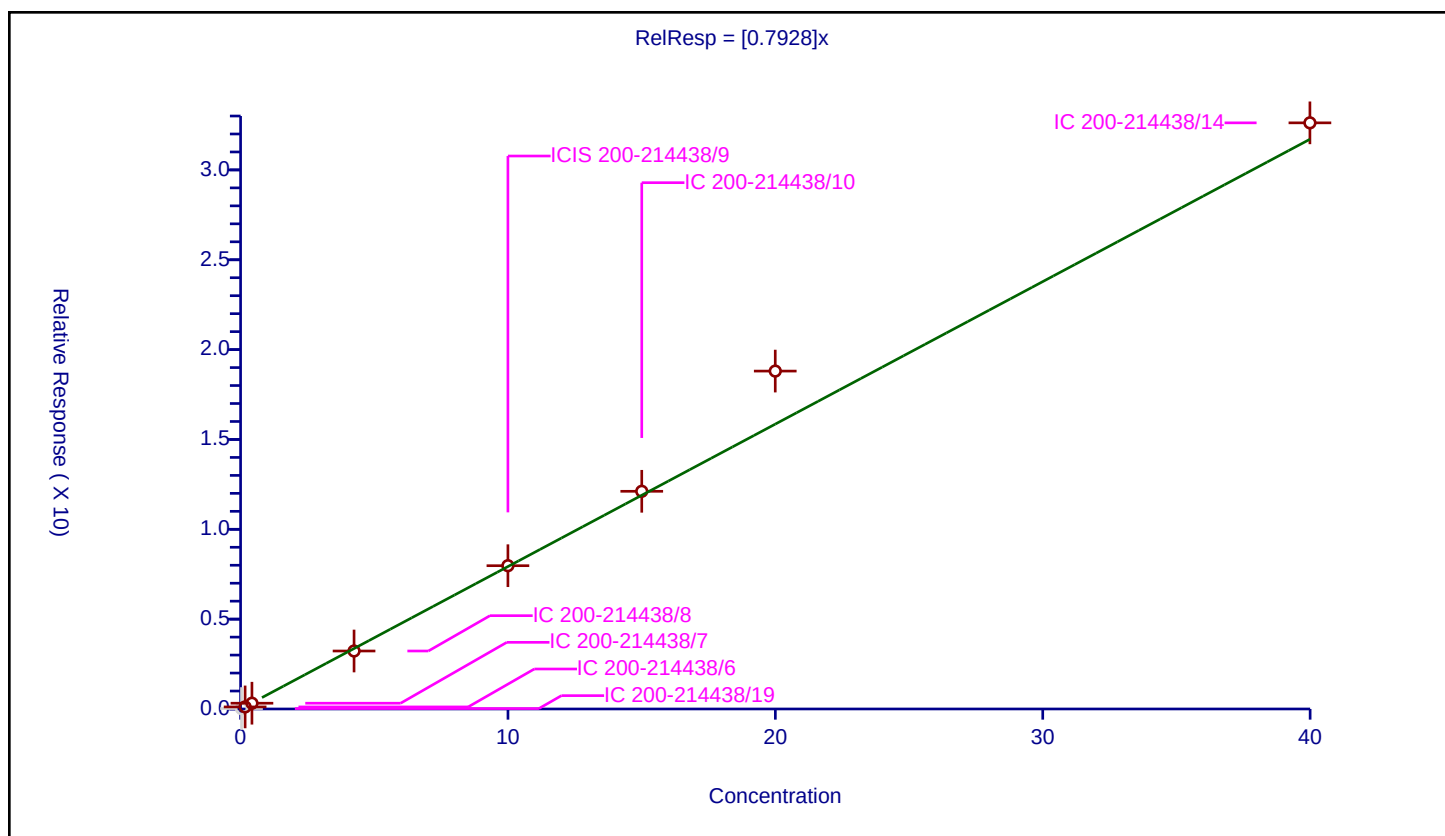
Curve Coefficients

Intercept: 0
Slope: 0.7928

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.02376	10.0	229795.0	0.677377	N
2	IC 200-214438/6	0.170374	0.114892	10.0	194183.0	0.674351	Y
3	IC 200-214438/7	0.425385	0.320589	10.0	213763.0	0.753644	Y
4	IC 200-214438/8	4.243678	3.227083	10.0	229145.0	0.760445	Y
5	ICIS 200-214438/9	9.99806	7.973892	10.0	233033.0	0.797544	Y
6	IC 200-214438/10	15.003557	12.115661	10.0	230259.0	0.807519	Y
7	IC 200-214438/13	19.99612	18.805747	10.0	203667.0	0.94047	Y
8	IC 200-214438/14	39.99224	32.619778	10.0	255682.0	0.815653	Y



Calibration

/ Chlorobenzene

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

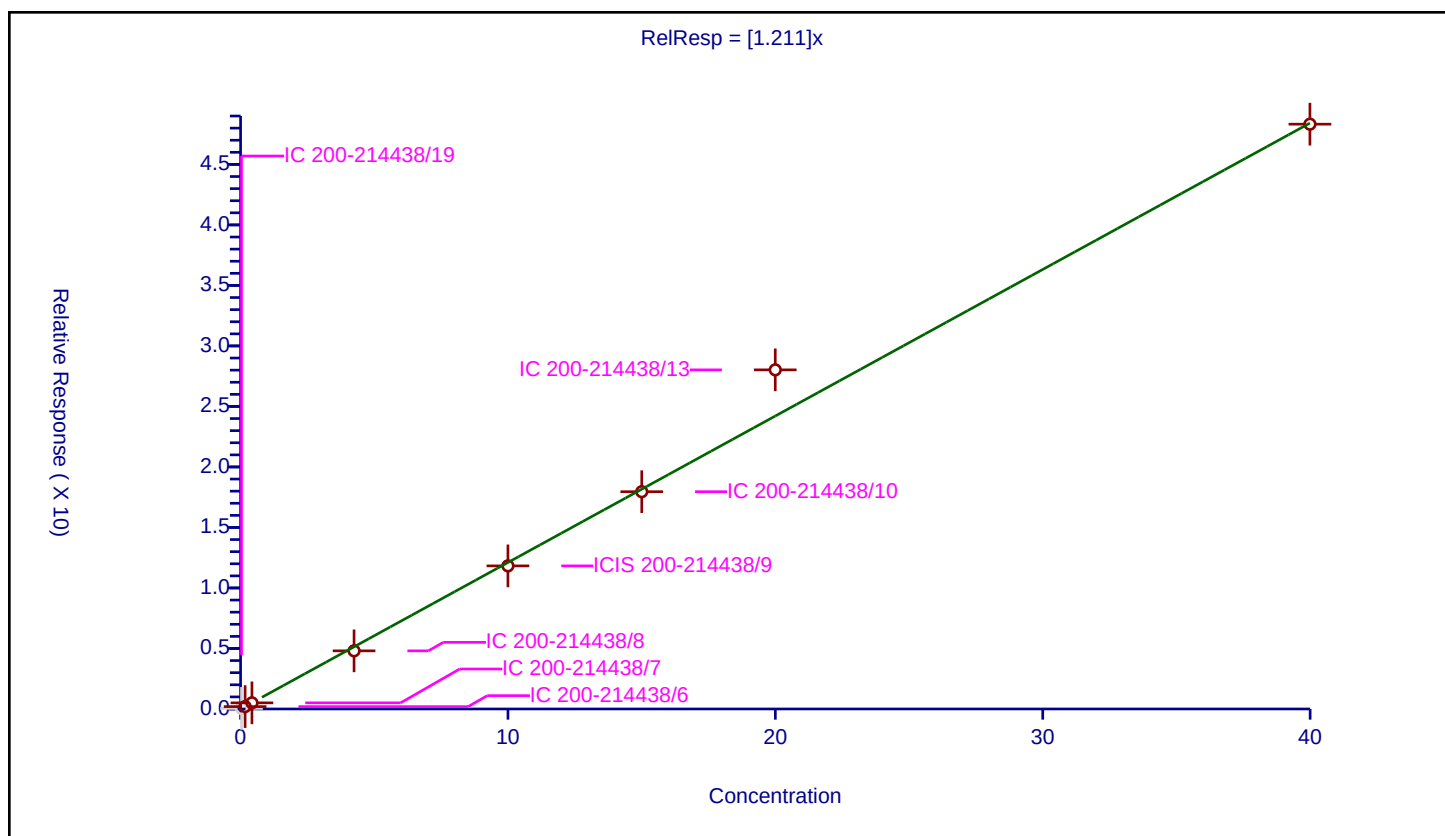
Curve Coefficients

Intercept: 0
Slope: 1.211

Error Coefficients

Relative Standard Deviation: 7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.04813	10.0	229795.0	1.372122	N
2	IC 200-214438/6	0.170374	0.19734	10.0	194183.0	1.158275	Y
3	IC 200-214438/7	0.425385	0.508226	10.0	213763.0	1.194745	Y
4	IC 200-214438/8	4.243678	4.803945	10.0	229145.0	1.132024	Y
5	ICIS 200-214438/9	9.99806	11.826522	10.0	233033.0	1.182882	Y
6	IC 200-214438/10	15.003557	17.955563	10.0	230259.0	1.196754	Y
7	IC 200-214438/13	19.99612	28.024864	10.0	203667.0	1.401515	Y
8	IC 200-214438/14	39.99224	48.326476	10.0	255682.0	1.208396	Y



Calibration

/ Ethylbenzene

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

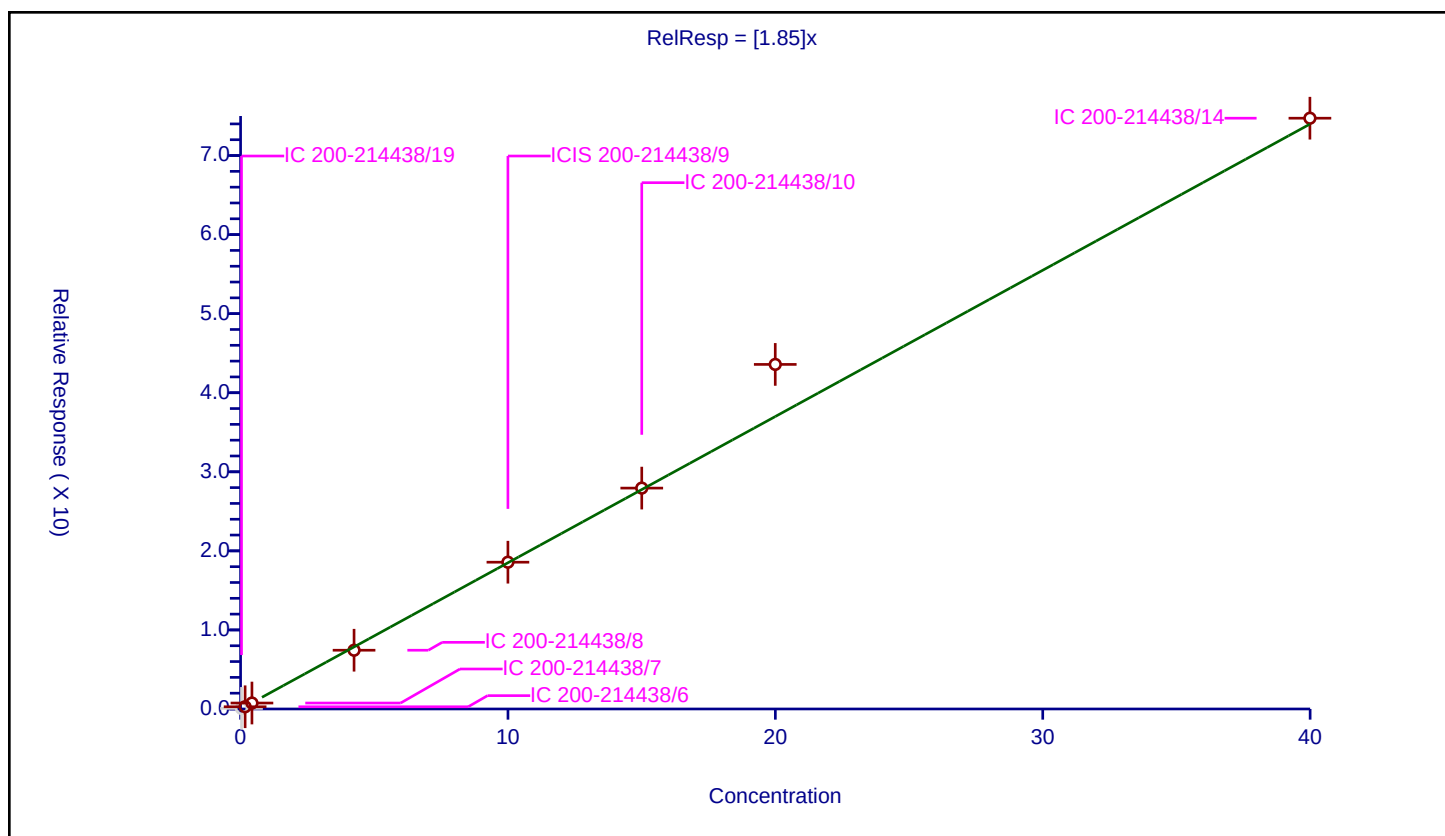
Curve Coefficients

Intercept: 0
 Slope: 1.85

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.074327	10.0	229795.0	2.118974	N
2	IC 200-214438/6	0.170374	0.282105	10.0	194183.0	1.655801	Y
3	IC 200-214438/7	0.425385	0.754808	10.0	213763.0	1.774412	Y
4	IC 200-214438/8	4.243678	7.431364	10.0	229145.0	1.751161	Y
5	ICIS 200-214438/9	9.99806	18.565139	10.0	233033.0	1.856874	Y
6	IC 200-214438/10	15.003557	27.937236	10.0	230259.0	1.862041	Y
7	IC 200-214438/13	19.99612	43.582024	10.0	203667.0	2.179524	Y
8	IC 200-214438/14	39.99224	74.724306	10.0	255682.0	1.86847	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

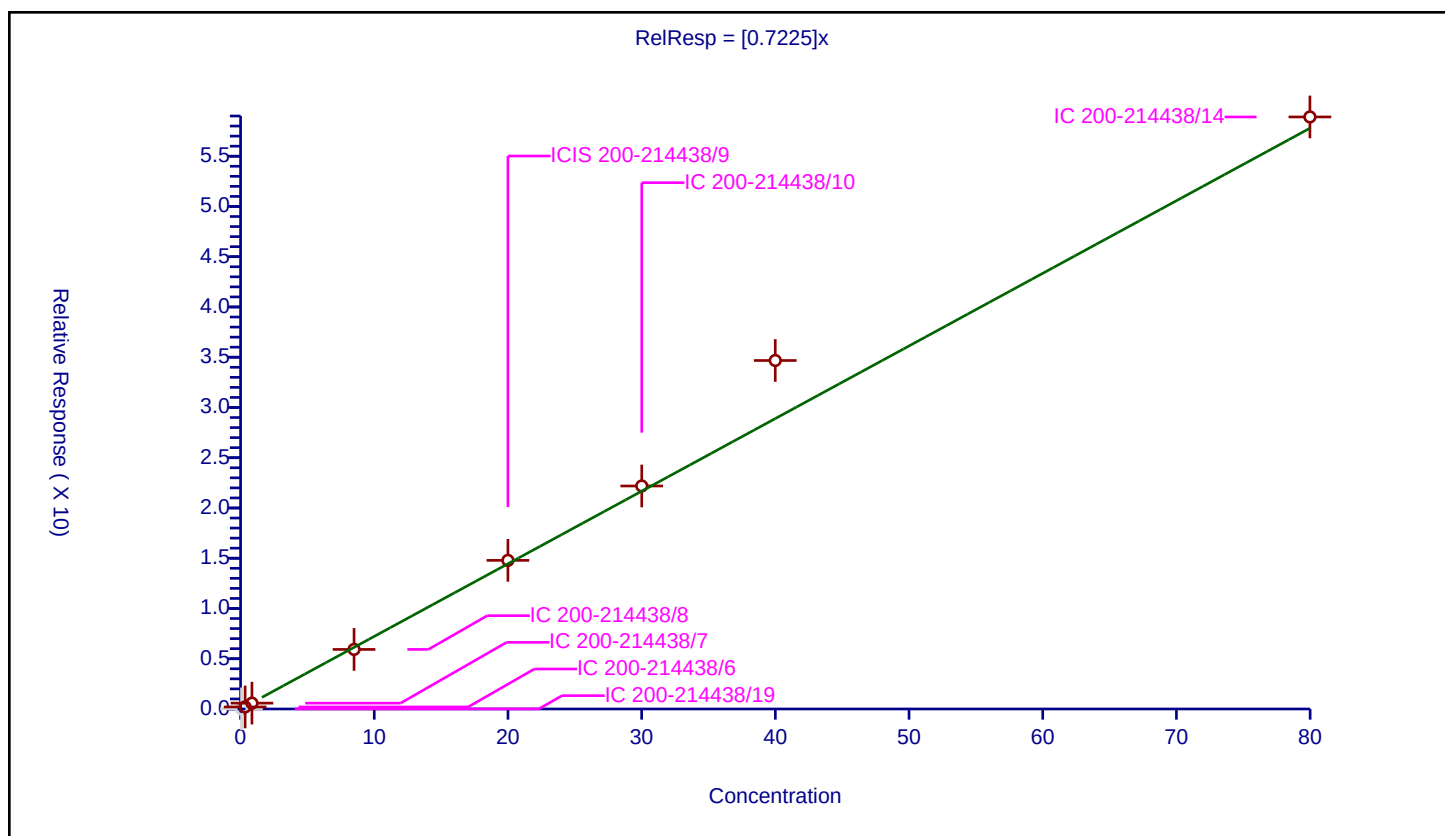
Curve Coefficients

Intercept: 0
Slope: 0.7225

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.070154	0.009182	10.0	229795.0	0.130885	N
2	IC 200-214438/6	0.340747	0.201717	10.0	194183.0	0.591984	Y
3	IC 200-214438/7	0.850769	0.582374	10.0	213763.0	0.684526	Y
4	IC 200-214438/8	8.487357	5.925986	10.0	229145.0	0.698213	Y
5	ICIS 200-214438/9	19.99612	14.78782	10.0	233033.0	0.739534	Y
6	IC 200-214438/10	30.007114	22.187102	10.0	230259.0	0.739395	Y
7	IC 200-214438/13	39.99224	34.675868	10.0	203667.0	0.867065	Y
8	IC 200-214438/14	79.984479	58.907823	10.0	255682.0	0.736491	Y



Calibration

/ n-Nonane

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

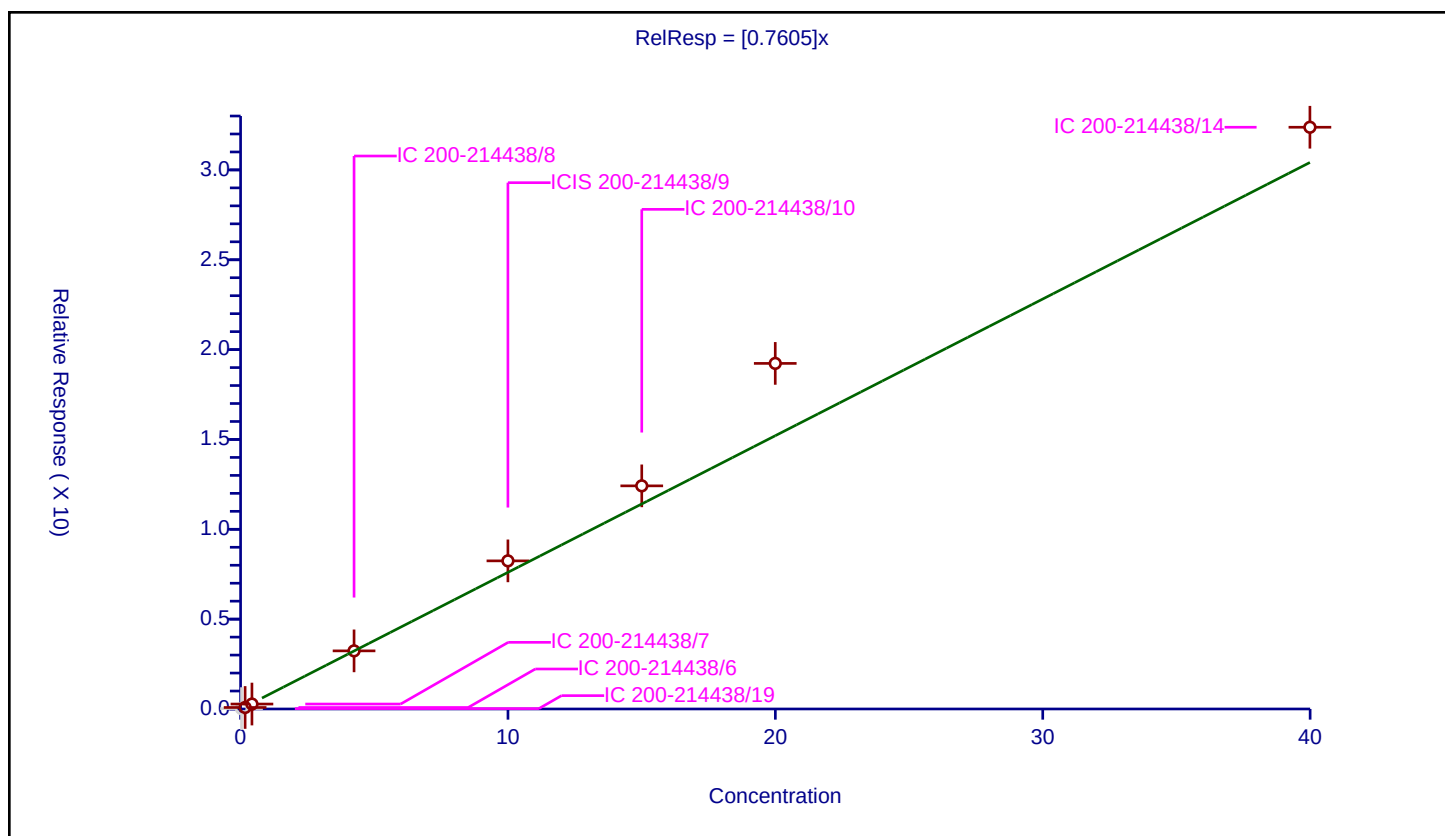
Curve Coefficients

Intercept: 0
 Slope: 0.7605

Error Coefficients

Relative Standard Deviation: 19.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.021628	10.0	229795.0	0.616587	N
2	IC 200-214438/6	0.170374	0.083478	10.0	194183.0	0.48997	Y
3	IC 200-214438/7	0.425385	0.275679	10.0	213763.0	0.64807	Y
4	IC 200-214438/8	4.243678	3.234153	10.0	229145.0	0.762111	Y
5	ICIS 200-214438/9	9.99806	8.242824	10.0	233033.0	0.824442	Y
6	IC 200-214438/10	15.003557	12.418016	10.0	230259.0	0.827671	Y
7	IC 200-214438/13	19.99612	19.232227	10.0	203667.0	0.961798	Y
8	IC 200-214438/14	39.99224	32.375294	10.0	255682.0	0.809539	Y



Calibration

/ o-Xylene

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

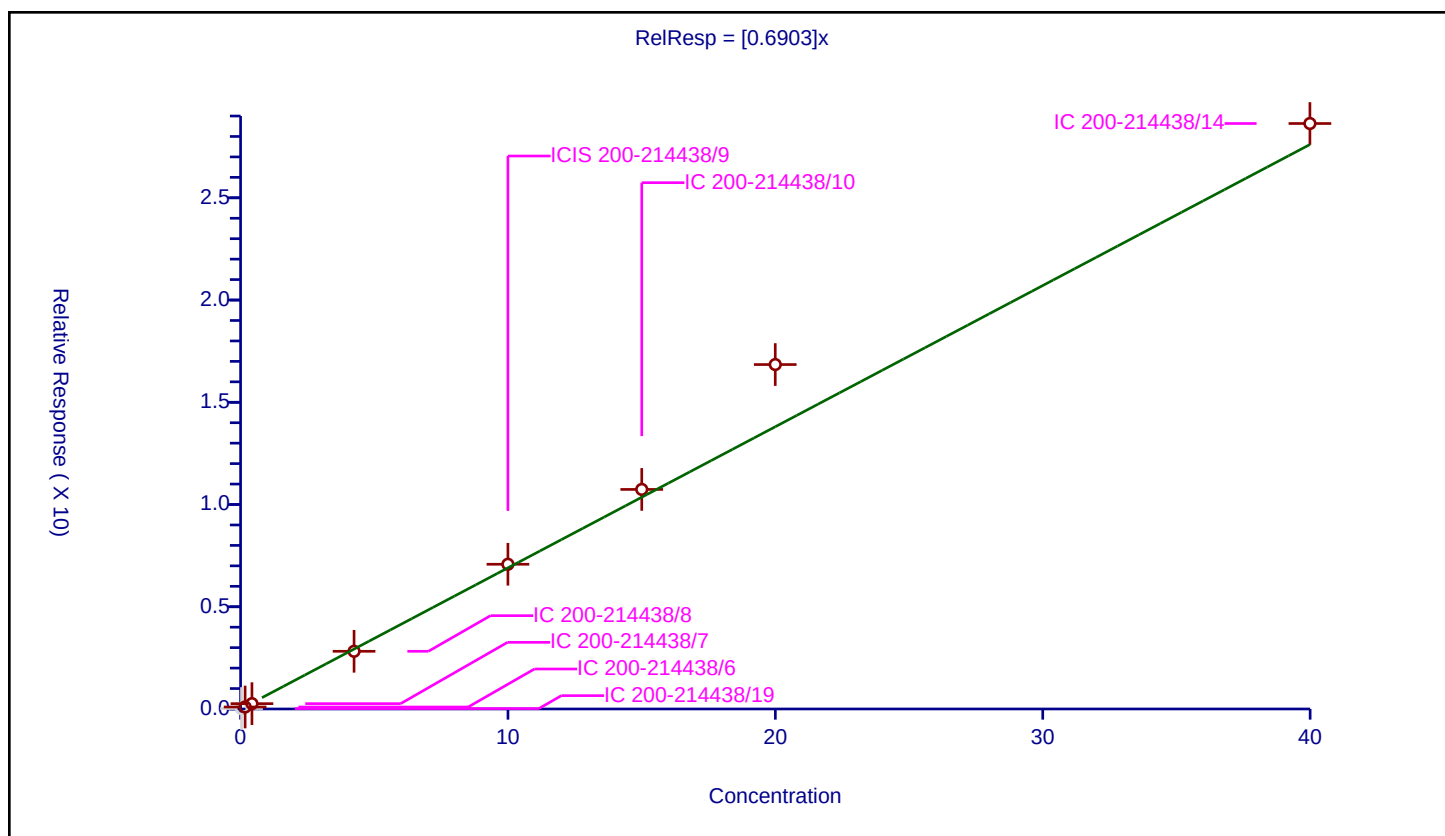
Curve Coefficients

Intercept: 0
Slope: 0.6903

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.021584	10.0	229795.0	0.615346	N
2	IC 200-214438/6	0.170374	0.097176	10.0	194183.0	0.570372	Y
3	IC 200-214438/7	0.425385	0.261458	10.0	213763.0	0.614638	Y
4	IC 200-214438/8	4.243678	2.82127	10.0	229145.0	0.664817	Y
5	ICIS 200-214438/9	9.99806	7.078268	10.0	233033.0	0.707964	Y
6	IC 200-214438/10	15.003557	10.738169	10.0	230259.0	0.715708	Y
7	IC 200-214438/13	19.99612	16.84485	10.0	203667.0	0.842406	Y
8	IC 200-214438/14	39.99224	28.633537	10.0	255682.0	0.715977	Y



Calibration

/ Styrene

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

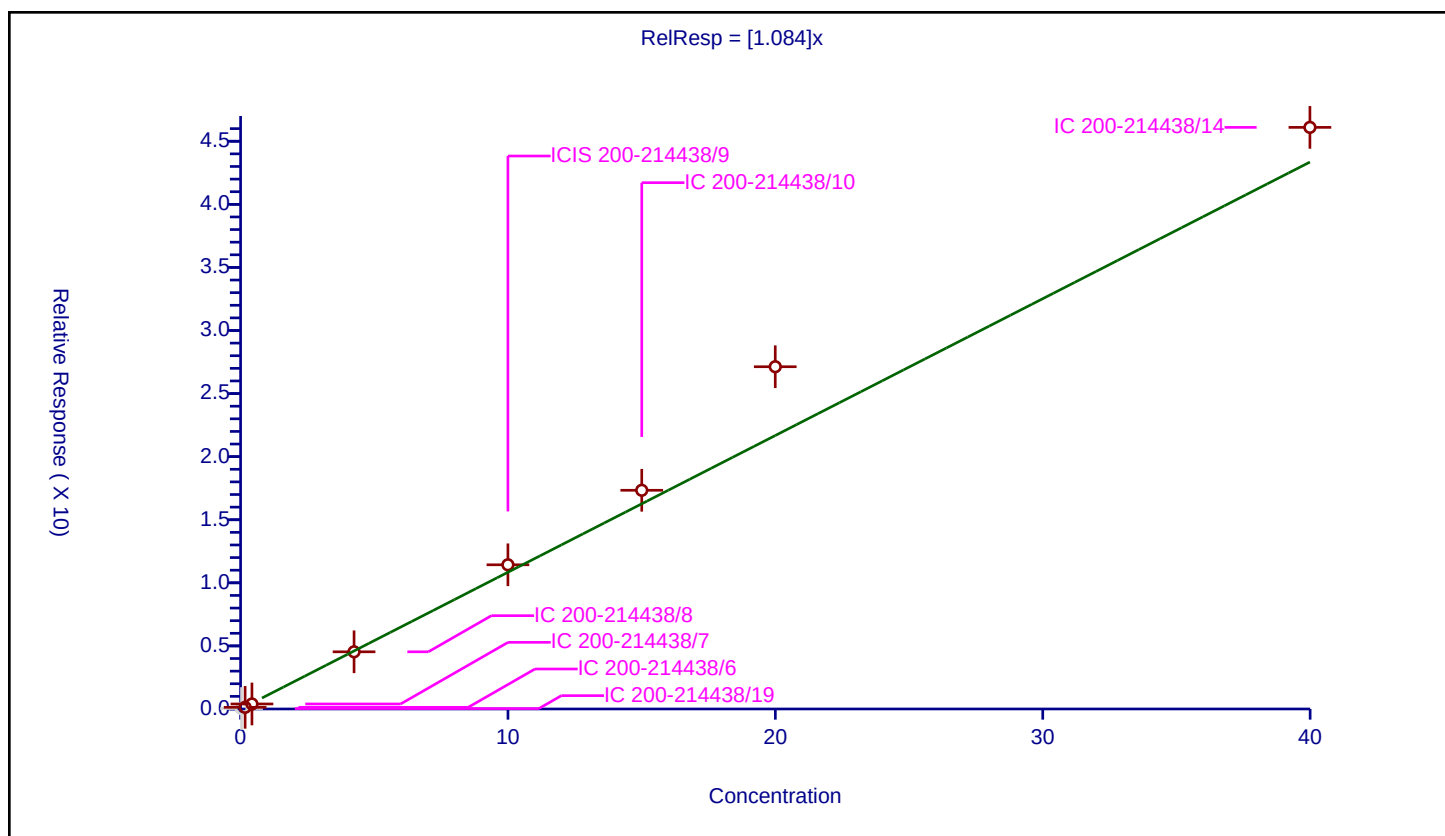
Curve Coefficients

Intercept: 0
Slope: 1.084

Error Coefficients

Relative Standard Deviation: 17.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.035727	10.0	229795.0	1.018547	N
2	IC 200-214438/6	0.170374	0.132092	10.0	194183.0	0.775307	Y
3	IC 200-214438/7	0.425385	0.398432	10.0	213763.0	0.936639	Y
4	IC 200-214438/8	4.243678	4.531803	10.0	229145.0	1.067895	Y
5	ICIS 200-214438/9	9.99806	11.430012	10.0	233033.0	1.143223	Y
6	IC 200-214438/10	15.003557	17.334046	10.0	230259.0	1.155329	Y
7	IC 200-214438/13	19.99612	27.128008	10.0	203667.0	1.356664	Y
8	IC 200-214438/14	39.99224	46.099373	10.0	255682.0	1.152708	Y



Calibration

/ Bromoform

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

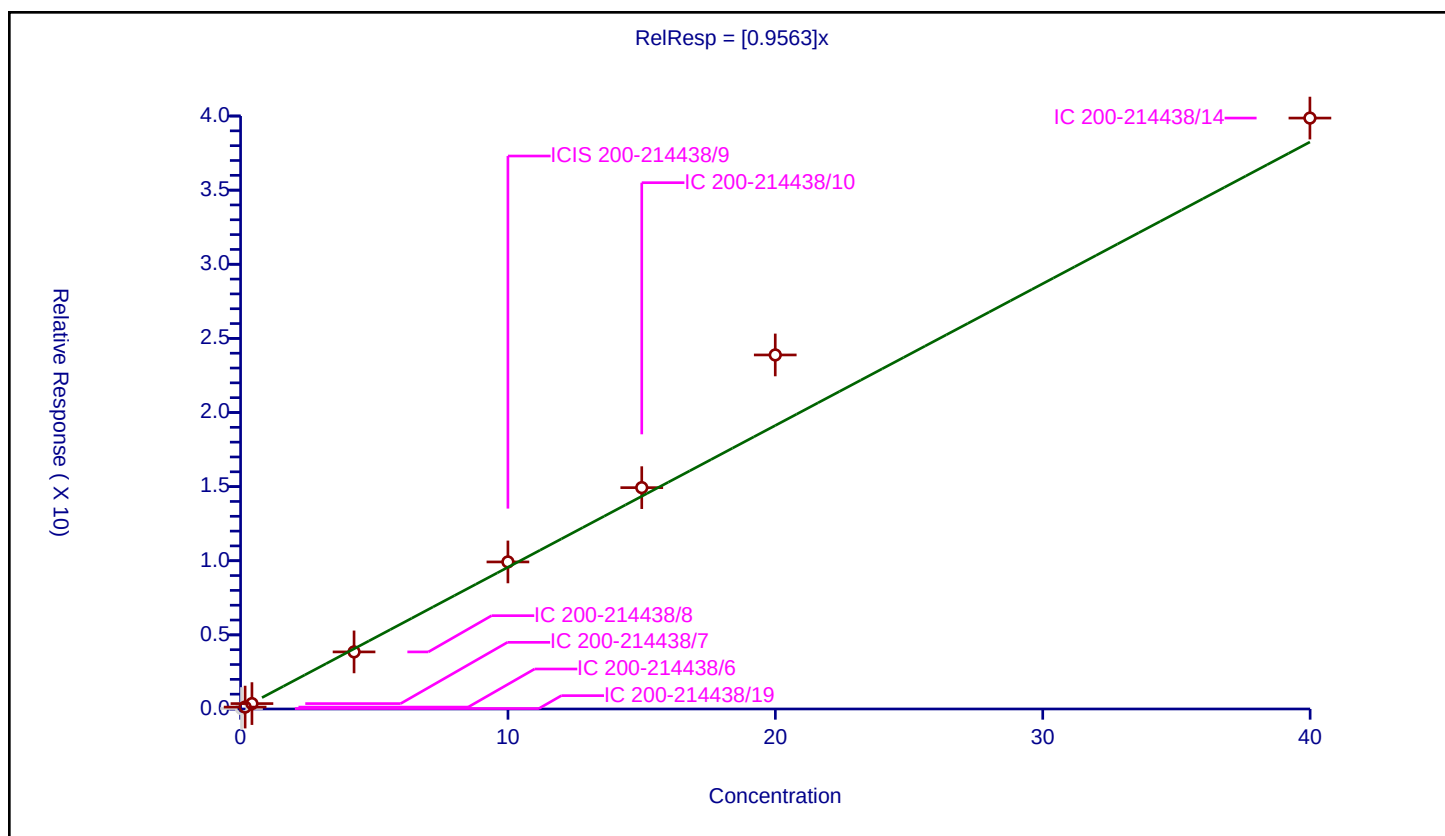
Curve Coefficients

Intercept: 0
Slope: 0.9563

Error Coefficients

Relative Standard Deviation: 14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.03155	10.0	229795.0	0.899447	N
2	IC 200-214438/6	0.170374	0.128178	10.0	194183.0	0.752335	Y
3	IC 200-214438/7	0.425385	0.364095	10.0	213763.0	0.855919	Y
4	IC 200-214438/8	4.243678	3.85123	10.0	229145.0	0.907522	Y
5	ICIS 200-214438/9	9.99806	9.920183	10.0	233033.0	0.992211	Y
6	IC 200-214438/10	15.003557	14.93162	10.0	230259.0	0.995205	Y
7	IC 200-214438/13	19.99612	23.881974	10.0	203667.0	1.19433	Y
8	IC 200-214438/14	39.99224	39.862133	10.0	255682.0	0.996747	Y



Calibration

/ Isopropylbenzene

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

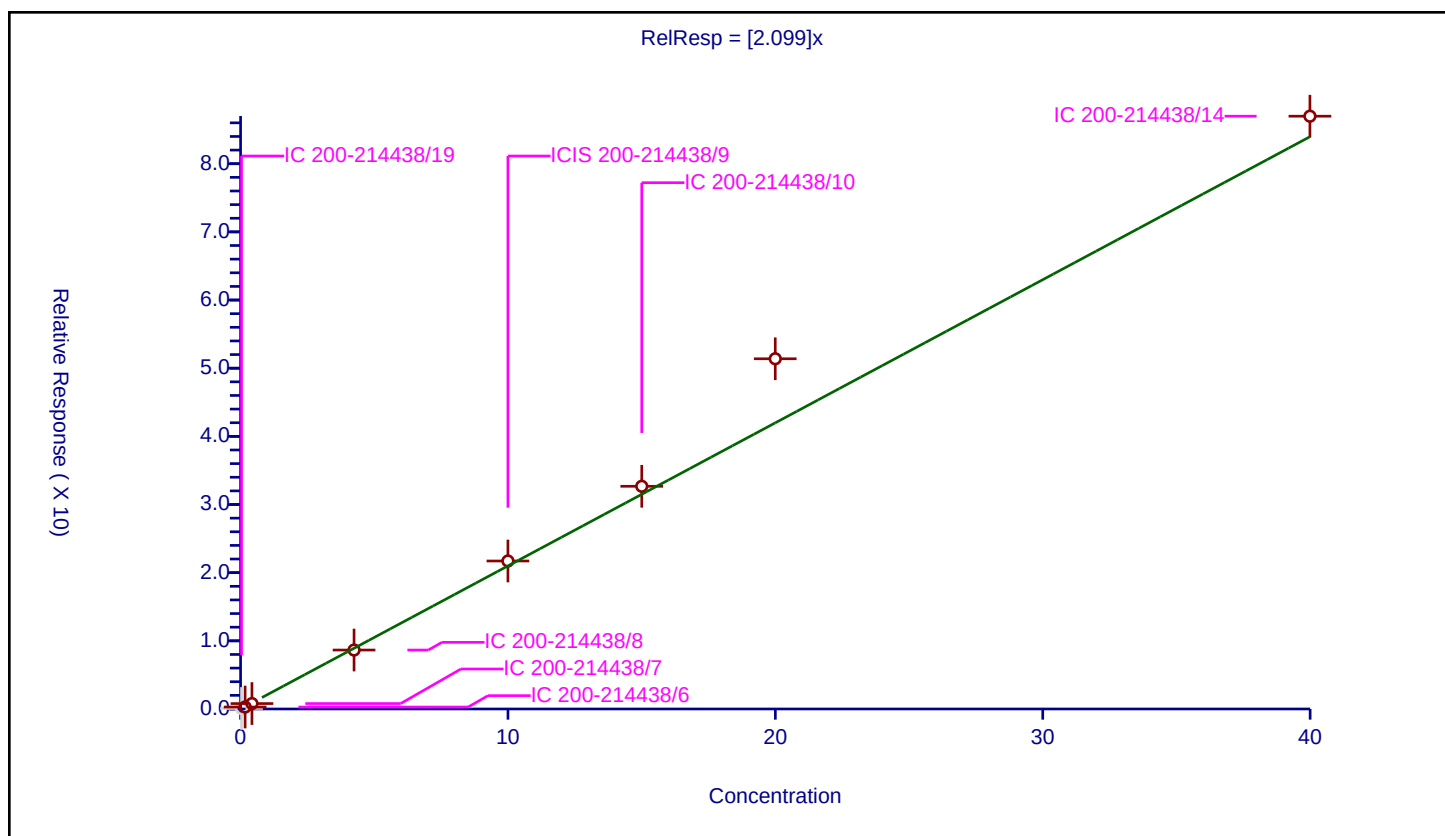
Curve Coefficients

Intercept: 0
Slope: 2.099

Error Coefficients

Relative Standard Deviation: 13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.077939	10.0	229795.0	2.221945	N
2	IC 200-214438/6	0.170374	0.288182	10.0	194183.0	1.691468	Y
3	IC 200-214438/7	0.425385	0.796443	10.0	213763.0	1.872288	Y
4	IC 200-214438/8	4.243678	8.648498	10.0	229145.0	2.037972	Y
5	ICIS 200-214438/9	9.99806	21.713792	10.0	233033.0	2.171801	Y
6	IC 200-214438/10	15.003557	32.674206	10.0	230259.0	2.177764	Y
7	IC 200-214438/13	19.99612	51.382944	10.0	203667.0	2.569646	Y
8	IC 200-214438/14	39.99224	86.974249	10.0	255682.0	2.174778	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

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

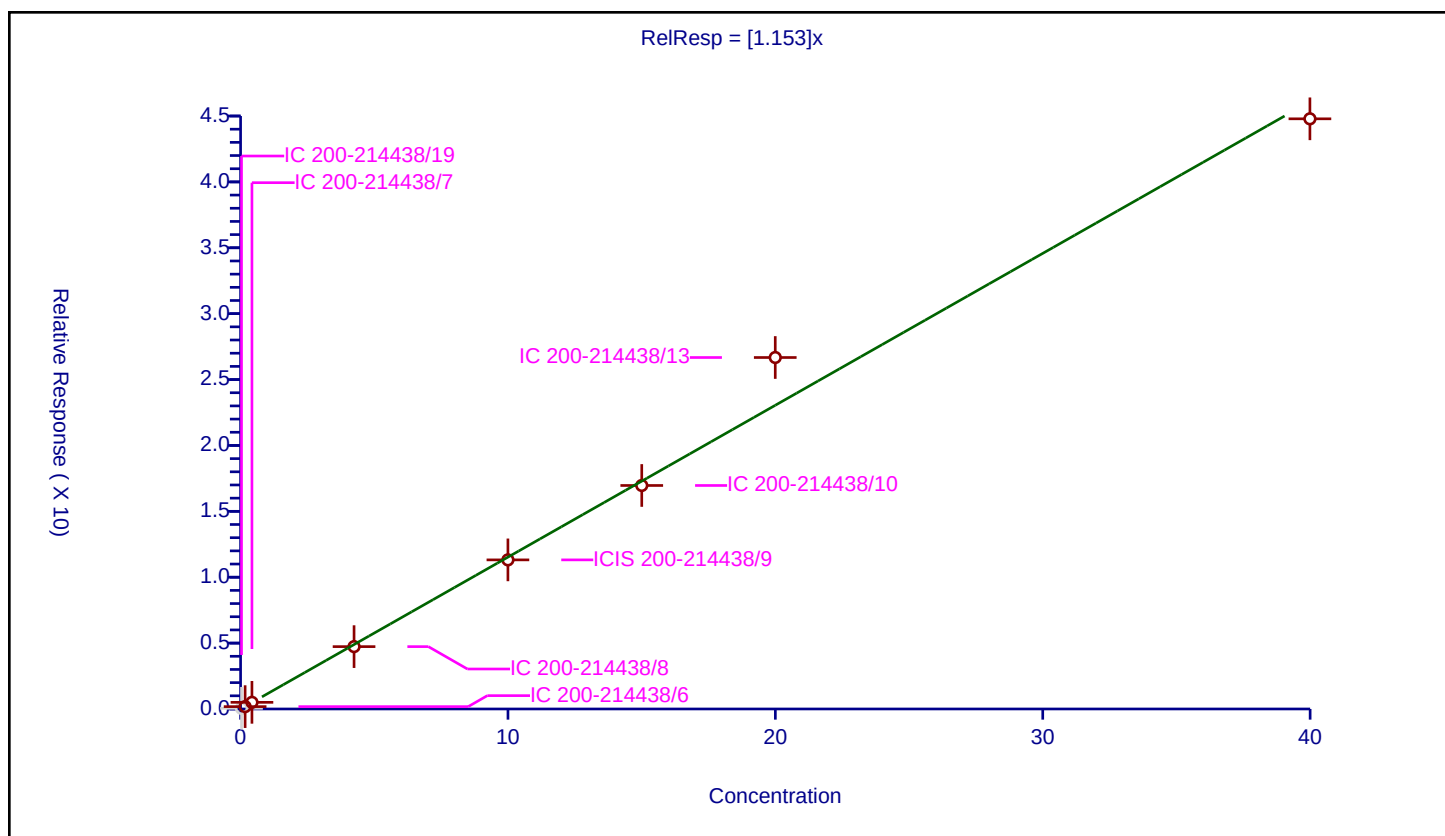
Curve Coefficients

Intercept: 0
Slope: 1.153

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.051133	10.0	229795.0	1.457725	N
2	IC 200-214438/6	0.170374	0.178955	10.0	194183.0	1.050367	Y
3	IC 200-214438/7	0.425385	0.504484	10.0	213763.0	1.185948	Y
4	IC 200-214438/8	4.243678	4.732811	10.0	229145.0	1.115261	Y
5	ICIS 200-214438/9	9.99806	11.314749	10.0	233033.0	1.131695	Y
6	IC 200-214438/10	15.003557	16.962247	10.0	230259.0	1.130548	Y
7	IC 200-214438/13	19.99612	26.673541	10.0	203667.0	1.333936	Y
8	IC 200-214438/14	39.99224	44.788135	10.0	255682.0	1.119921	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

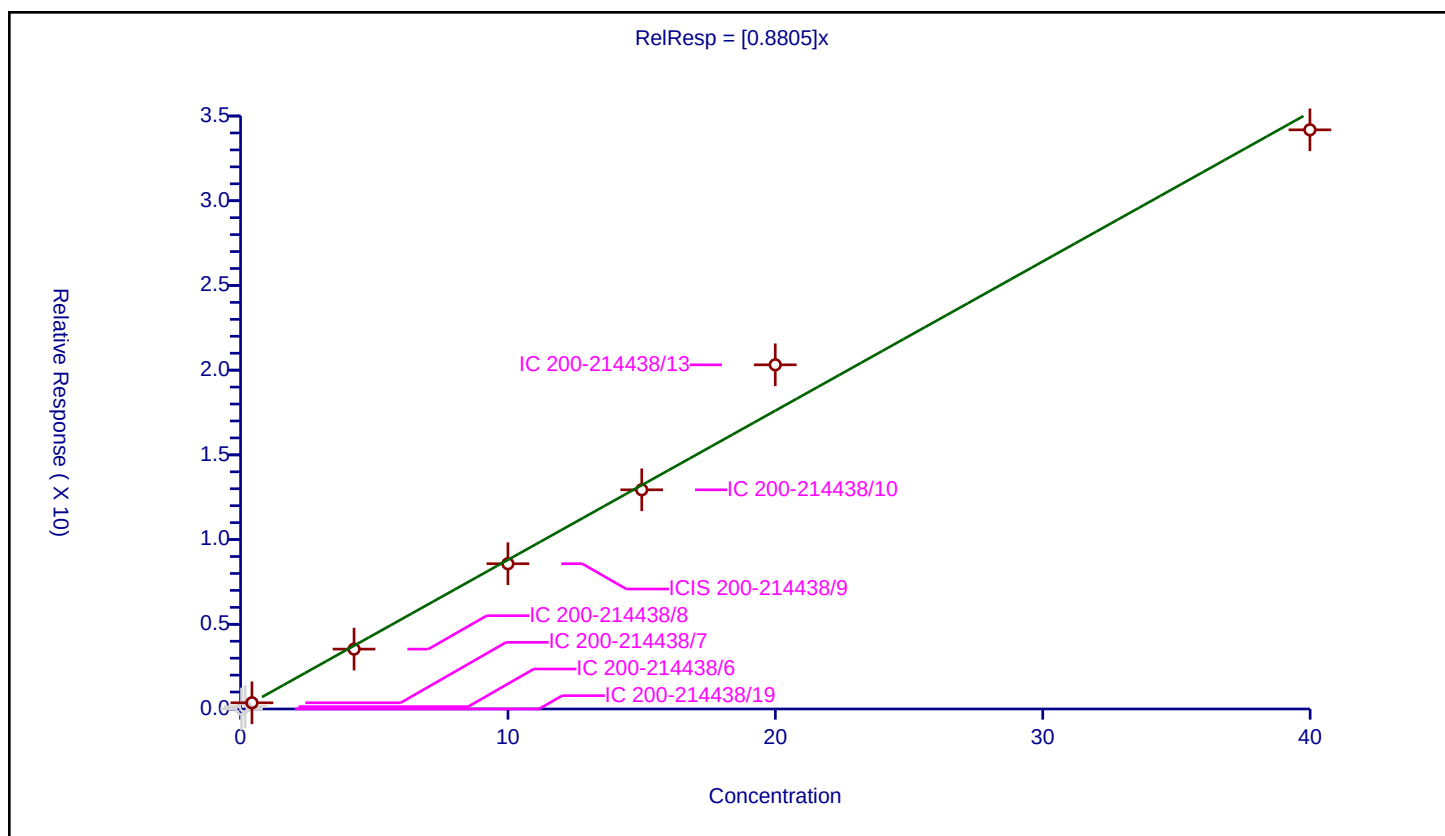
Curve Coefficients

Intercept: 0
Slope: 0.8805

Error Coefficients

Relative Standard Deviation: 7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.0	10.0	229795.0	0.0	N
2	IC 200-214438/6	0.170374	0.139405	10.0	194183.0	0.818228	N
3	IC 200-214438/7	0.425385	0.365592	10.0	213763.0	0.859438	Y
4	IC 200-214438/8	4.243678	3.53392	10.0	229145.0	0.832749	Y
5	ICIS 200-214438/9	9.99806	8.574065	10.0	233033.0	0.857573	Y
6	IC 200-214438/10	15.003557	12.937562	10.0	230259.0	0.8623	Y
7	IC 200-214438/13	19.99612	20.314729	10.0	203667.0	1.015934	Y
8	IC 200-214438/14	39.99224	34.185277	10.0	255682.0	0.854798	Y



Calibration

/ N-Propylbenzene

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

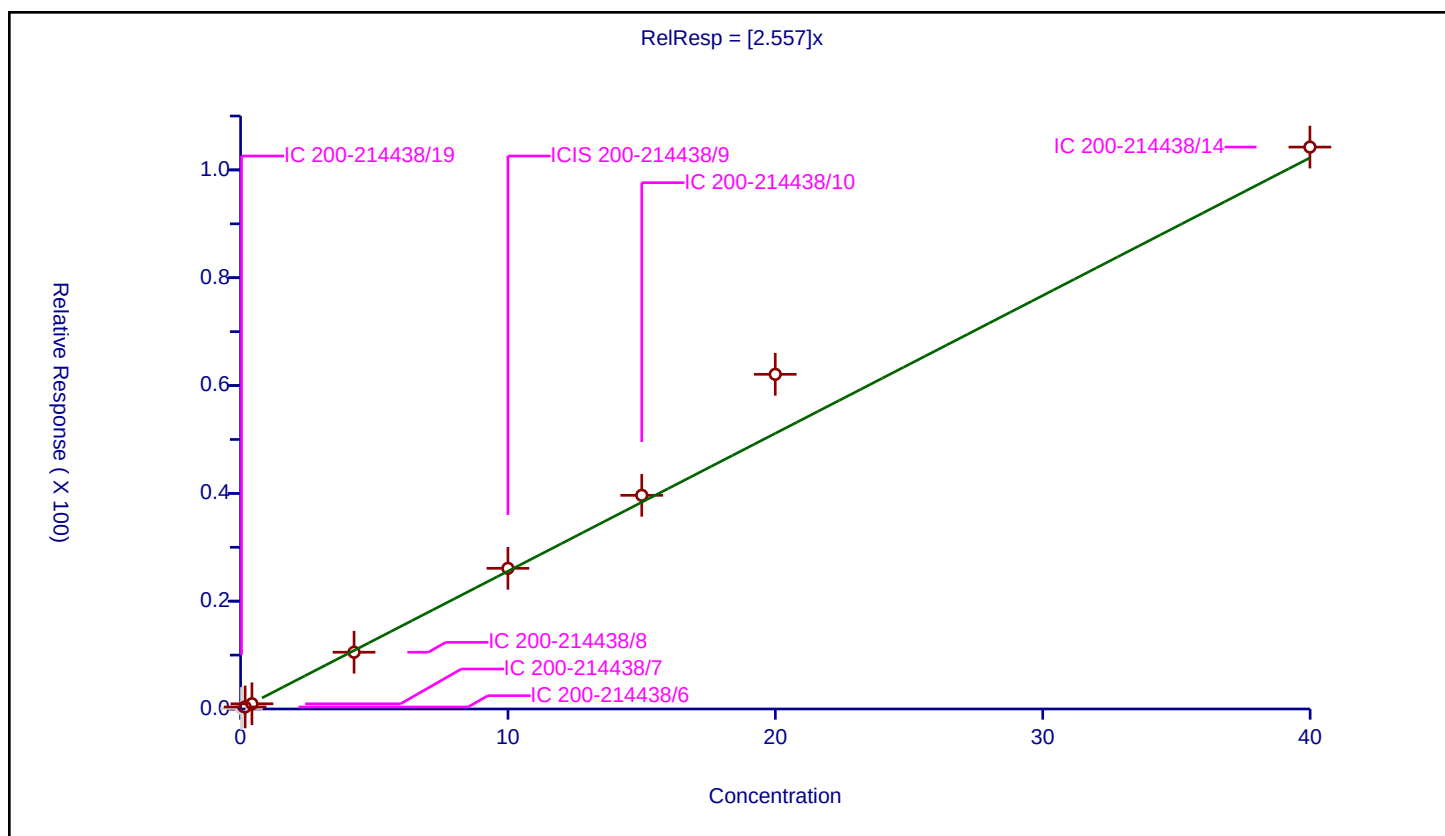
Curve Coefficients

Intercept: 0
Slope: 2.557

Error Coefficients

Relative Standard Deviation: 11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.095172	10.0	229795.0	2.713229	N
2	IC 200-214438/6	0.170374	0.371248	10.0	194183.0	2.17902	Y
3	IC 200-214438/7	0.425385	0.966818	10.0	213763.0	2.27281	Y
4	IC 200-214438/8	4.243678	10.528617	10.0	229145.0	2.481012	Y
5	ICIS 200-214438/9	9.99806	26.096132	10.0	233033.0	2.61012	Y
6	IC 200-214438/10	15.003557	39.638147	10.0	230259.0	2.641917	Y
7	IC 200-214438/13	19.99612	62.087132	10.0	203667.0	3.104959	Y
8	IC 200-214438/14	39.99224	104.238664	10.0	255682.0	2.606472	Y



Calibration

/ 2-Chlorotoluene

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

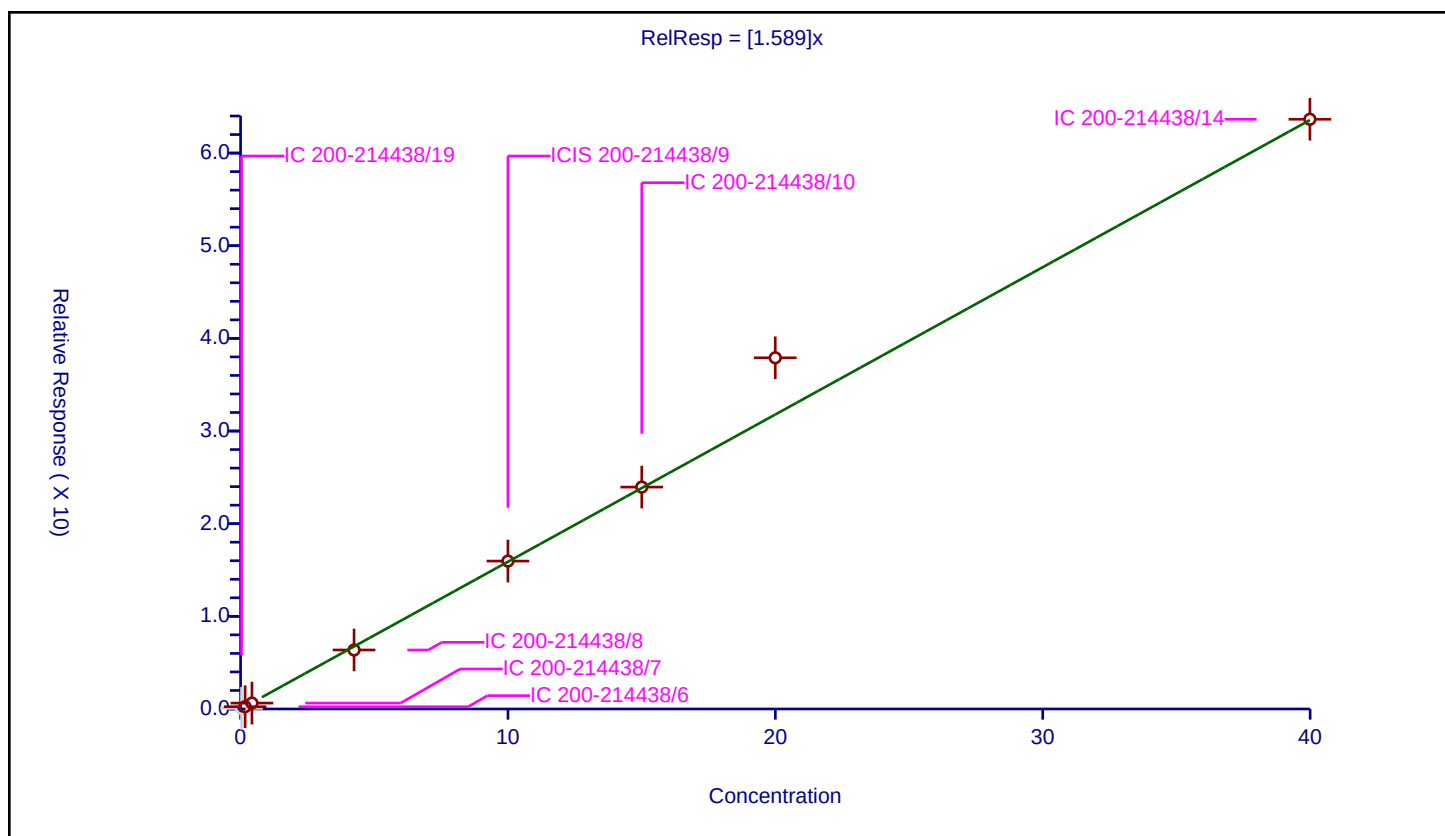
Curve Coefficients

Intercept: 0
 Slope: 1.589

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.06558	10.0	229795.0	1.86961	N
2	IC 200-214438/6	0.170374	0.246417	10.0	194183.0	1.446332	Y
3	IC 200-214438/7	0.425385	0.637388	10.0	213763.0	1.49838	Y
4	IC 200-214438/8	4.243678	6.368675	10.0	229145.0	1.500744	Y
5	ICIS 200-214438/9	9.99806	15.963147	10.0	233033.0	1.596624	Y
6	IC 200-214438/10	15.003557	23.950378	10.0	230259.0	1.596313	Y
7	IC 200-214438/13	19.99612	37.903588	10.0	203667.0	1.895547	Y
8	IC 200-214438/14	39.99224	63.648634	10.0	255682.0	1.591525	Y



Calibration

/ 4-Ethyltoluene

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

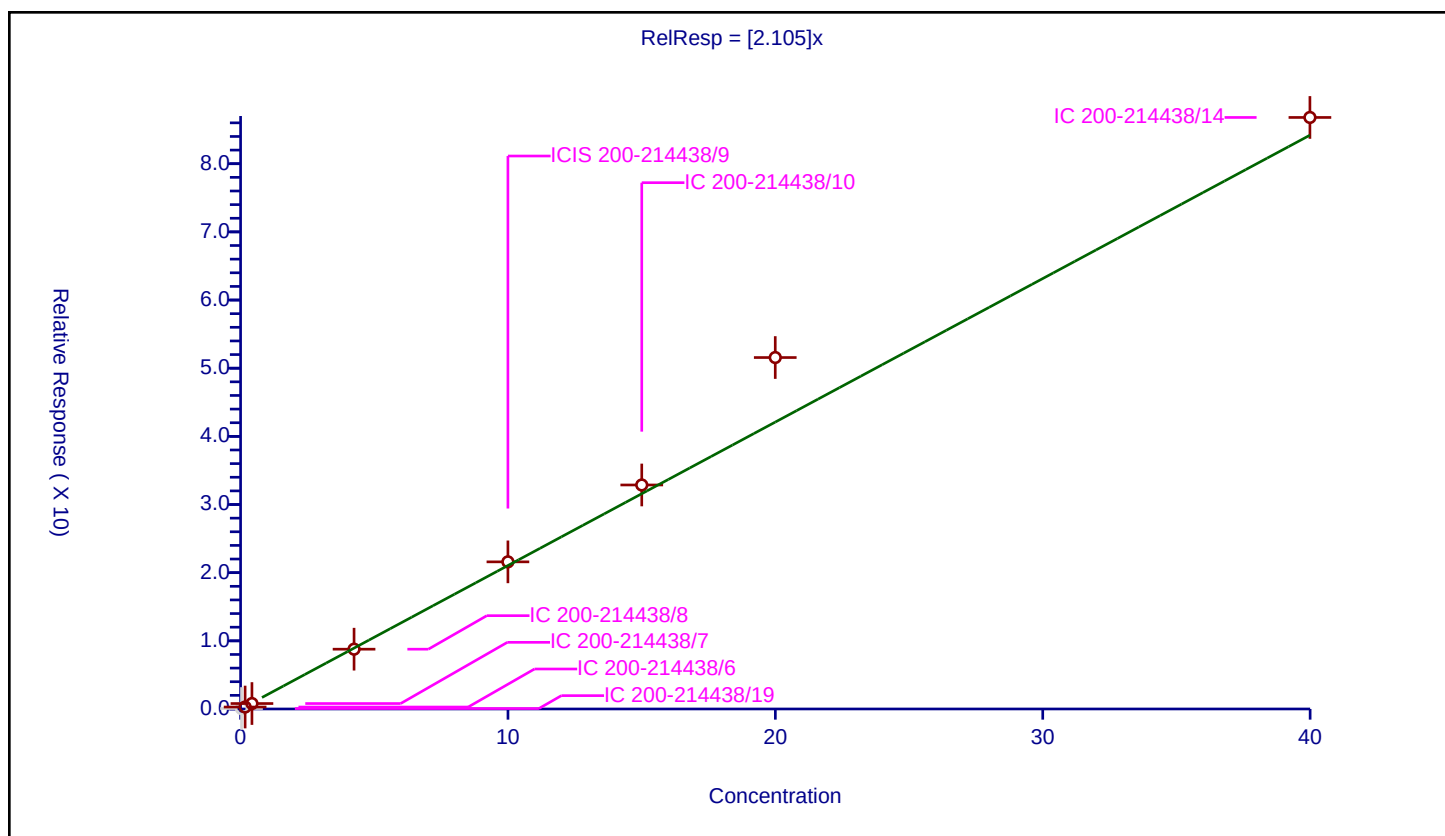
Curve Coefficients

Intercept: 0
Slope: 2.105

Error Coefficients

Relative Standard Deviation: 13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.066755	10.0	229795.0	1.903106	N
2	IC 200-214438/6	0.170374	0.287306	10.0	194183.0	1.68633	Y
3	IC 200-214438/7	0.425385	0.8007	10.0	213763.0	1.882296	Y
4	IC 200-214438/8	4.243678	8.775622	10.0	229145.0	2.067928	Y
5	ICIS 200-214438/9	9.99806	21.588058	10.0	233033.0	2.159225	Y
6	IC 200-214438/10	15.003557	32.868379	10.0	230259.0	2.190706	Y
7	IC 200-214438/13	19.99612	51.562845	10.0	203667.0	2.578643	Y
8	IC 200-214438/14	39.99224	86.788237	10.0	255682.0	2.170127	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

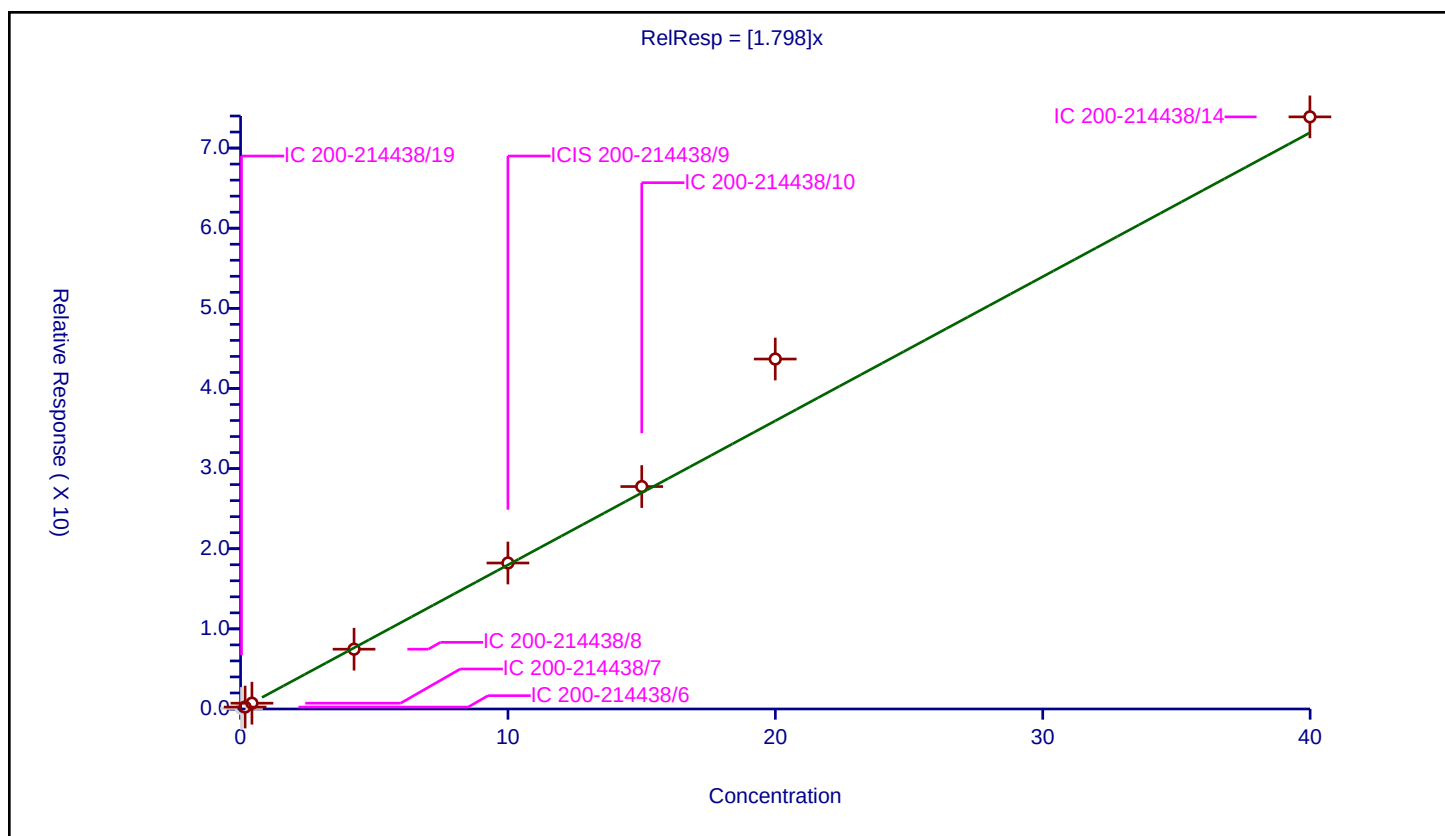
Curve Coefficients

Intercept: 0
 Slope: 1.798

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.064057	10.0	229795.0	1.826188	N
2	IC 200-214438/6	0.170374	0.242194	10.0	194183.0	1.421547	Y
3	IC 200-214438/7	0.425385	0.725009	10.0	213763.0	1.70436	Y
4	IC 200-214438/8	4.243678	7.461345	10.0	229145.0	1.758226	Y
5	ICIS 200-214438/9	9.99806	18.218664	10.0	233033.0	1.82222	Y
6	IC 200-214438/10	15.003557	27.758741	10.0	230259.0	1.850144	Y
7	IC 200-214438/13	19.99612	43.672907	10.0	203667.0	2.184069	Y
8	IC 200-214438/14	39.99224	73.892922	10.0	255682.0	1.847682	Y



Calibration

/ n-Decane

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

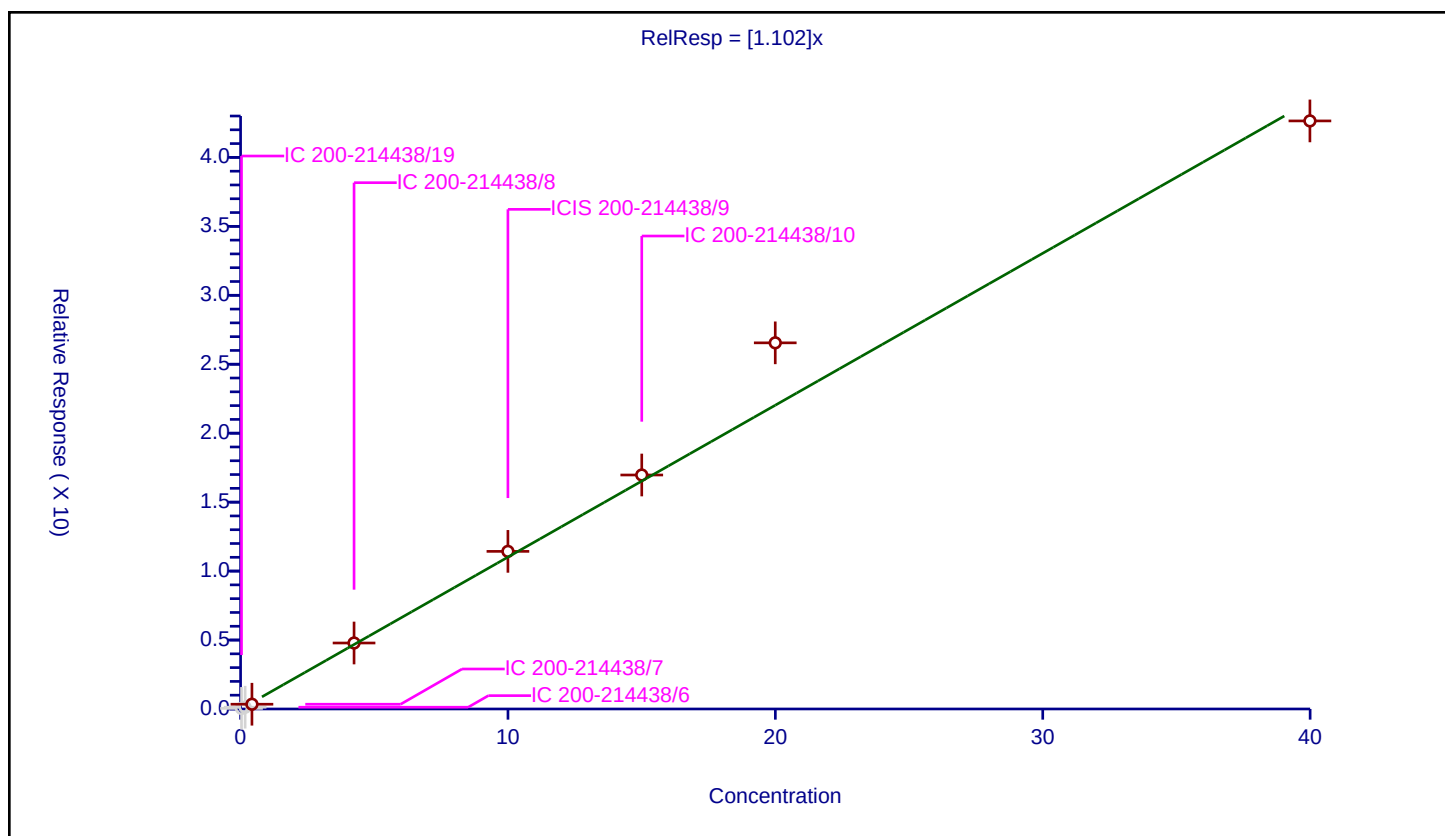
Curve Coefficients

Intercept: 0
Slope: 1.102

Error Coefficients

Relative Standard Deviation: 15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.043125	10.0	229795.0	1.229451	N
2	IC 200-214438/6	0.170374	0.127766	10.0	194183.0	0.749917	N
3	IC 200-214438/7	0.425385	0.345944	10.0	213763.0	0.813249	Y
4	IC 200-214438/8	4.243678	4.785791	10.0	229145.0	1.127746	Y
5	ICIS 200-214438/9	9.99806	11.430312	10.0	233033.0	1.143253	Y
6	IC 200-214438/10	15.003557	16.967806	10.0	230259.0	1.130919	Y
7	IC 200-214438/13	19.99612	26.552313	10.0	203667.0	1.327873	Y
8	IC 200-214438/14	39.99224	42.644339	10.0	255682.0	1.066315	Y



Calibration

/ Alpha Methyl Styrene

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

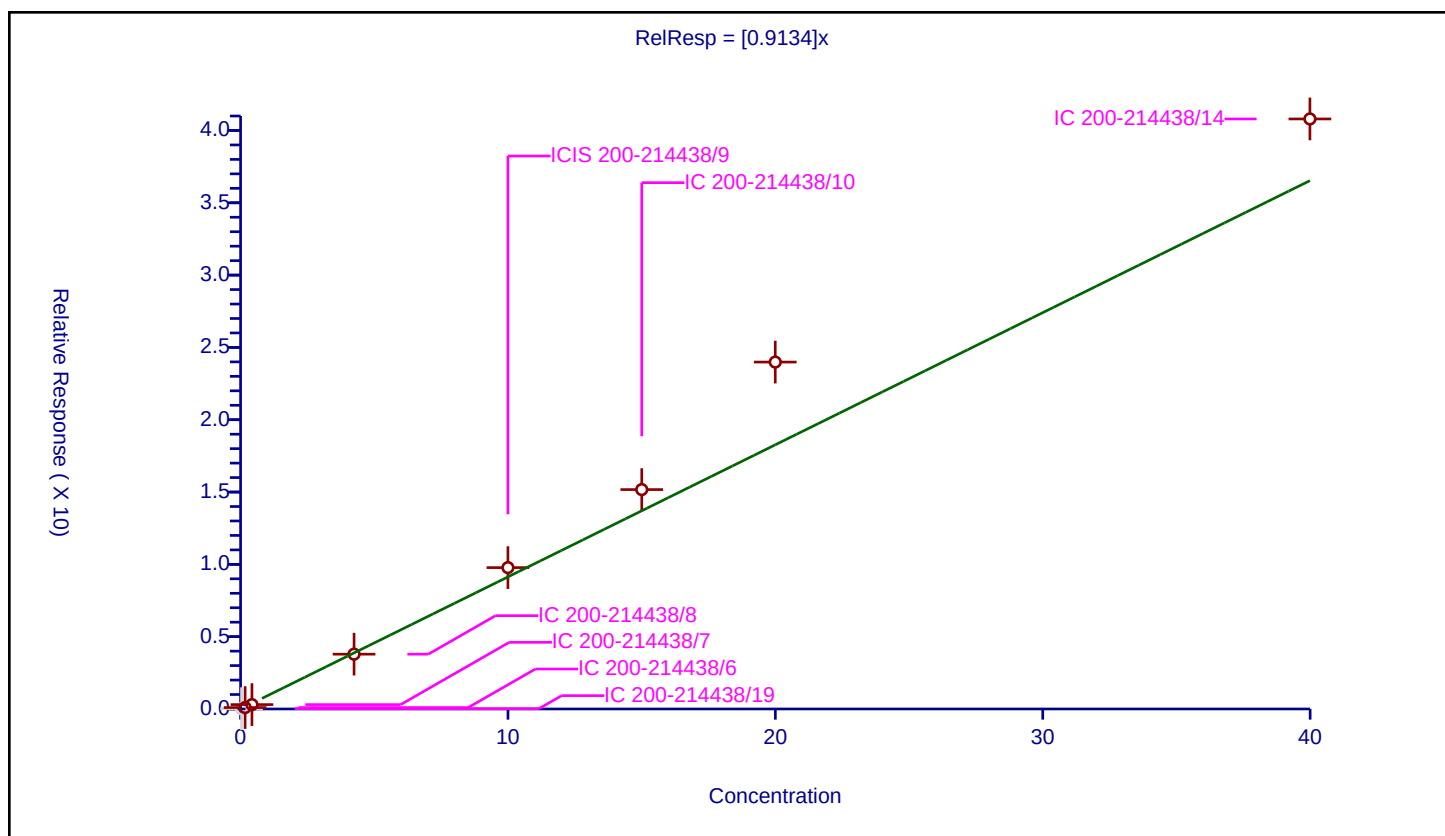
Curve Coefficients

Intercept: 0
Slope: 0.9134

Error Coefficients

Relative Standard Deviation: 22.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.021541	10.0	229795.0	0.614105	N
2	IC 200-214438/6	0.170374	0.09903	10.0	194183.0	0.581253	Y
3	IC 200-214438/7	0.425385	0.302531	10.0	213763.0	0.711195	Y
4	IC 200-214438/8	4.243678	3.790133	10.0	229145.0	0.893124	Y
5	ICIS 200-214438/9	9.99806	9.774066	10.0	233033.0	0.977596	Y
6	IC 200-214438/10	15.003557	15.170525	10.0	230259.0	1.011129	Y
7	IC 200-214438/13	19.99612	23.987735	10.0	203667.0	1.199619	Y
8	IC 200-214438/14	39.99224	40.797749	10.0	255682.0	1.020142	Y



Calibration

/ tert-Butylbenzene

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

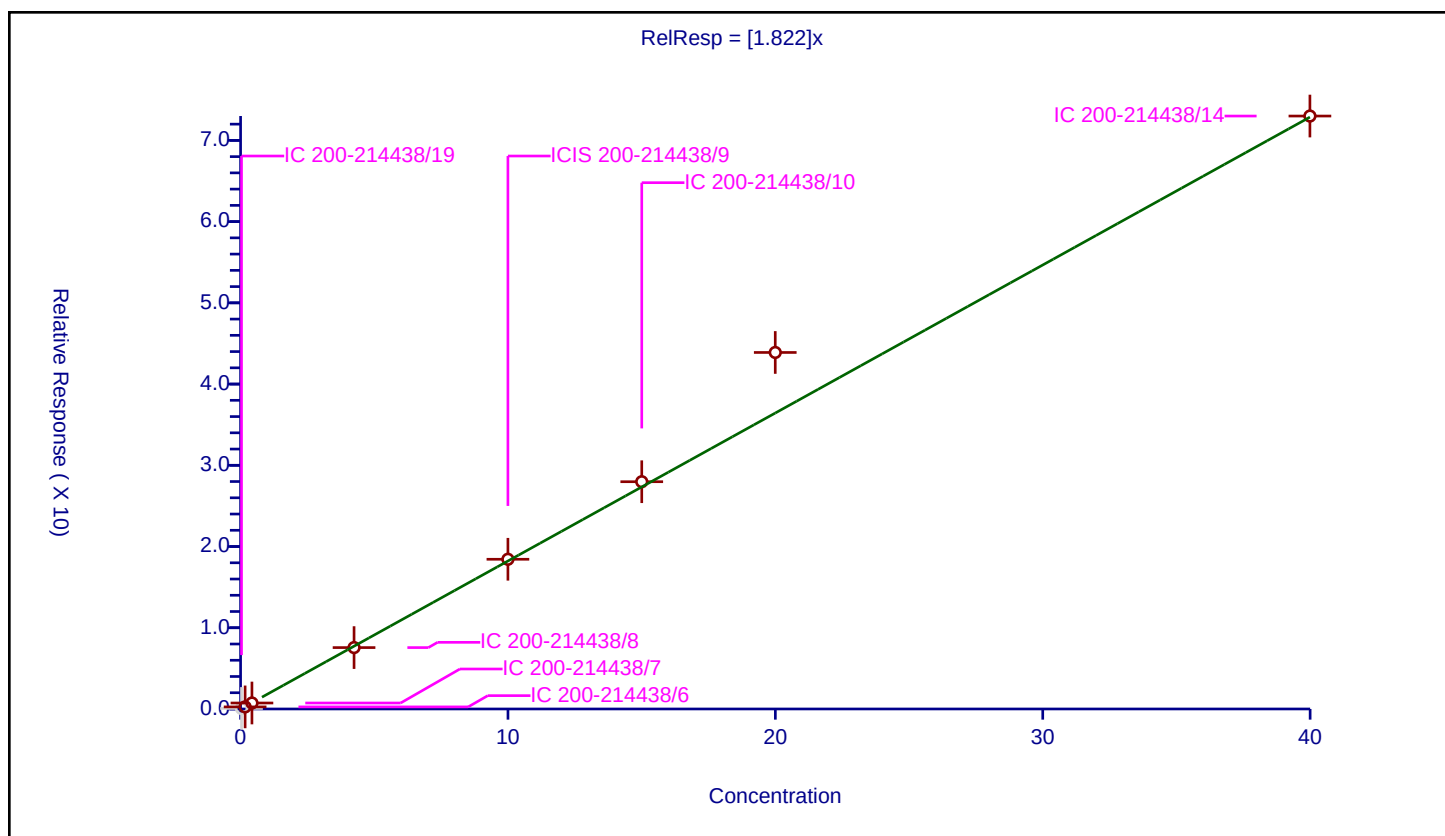
Curve Coefficients

Intercept: 0
Slope: 1.822

Error Coefficients

Relative Standard Deviation: 11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.066625	10.0	229795.0	1.899385	N
2	IC 200-214438/6	0.170374	0.257026	10.0	194183.0	1.508599	Y
3	IC 200-214438/7	0.425385	0.738247	10.0	213763.0	1.735482	Y
4	IC 200-214438/8	4.243678	7.560278	10.0	229145.0	1.781539	Y
5	ICIS 200-214438/9	9.99806	18.430437	10.0	233033.0	1.843401	Y
6	IC 200-214438/10	15.003557	27.979666	10.0	230259.0	1.864869	Y
7	IC 200-214438/13	19.99612	43.890517	10.0	203667.0	2.194952	Y
8	IC 200-214438/14	39.99224	72.997943	10.0	255682.0	1.825303	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

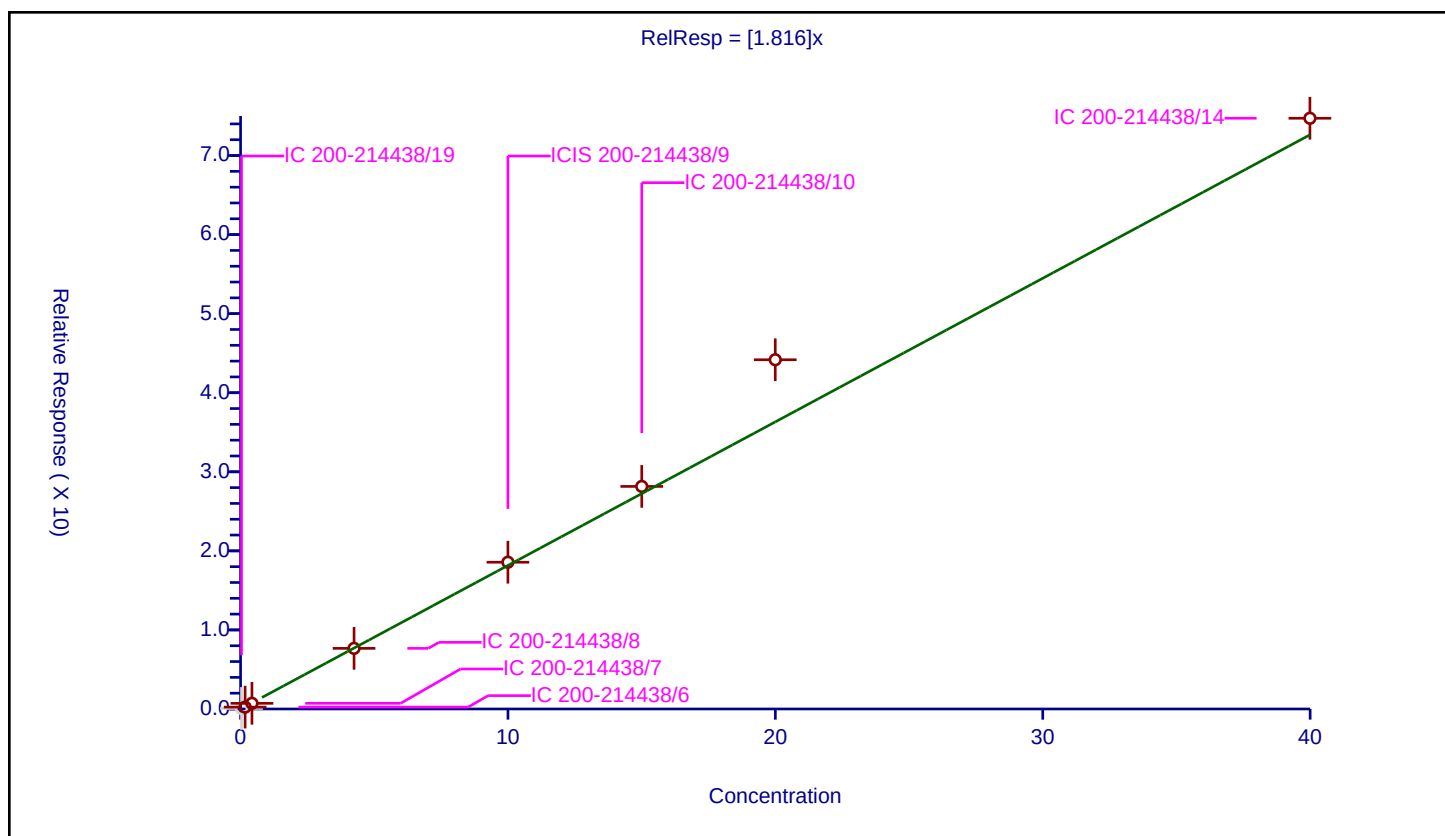
Curve Coefficients

Intercept: 0
Slope: 1.816

Error Coefficients

Relative Standard Deviation: 13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.064275	10.0	229795.0	1.832391	N
2	IC 200-214438/6	0.170374	0.239413	10.0	194183.0	1.405225	Y
3	IC 200-214438/7	0.425385	0.718319	10.0	213763.0	1.688634	Y
4	IC 200-214438/8	4.243678	7.667067	10.0	229145.0	1.806703	Y
5	ICIS 200-214438/9	9.99806	18.561706	10.0	233033.0	1.856531	Y
6	IC 200-214438/10	15.003557	28.150952	10.0	230259.0	1.876285	Y
7	IC 200-214438/13	19.99612	44.173332	10.0	203667.0	2.209095	Y
8	IC 200-214438/14	39.99224	74.717344	10.0	255682.0	1.868296	Y



Calibration

/ sec-Butylbenzene

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

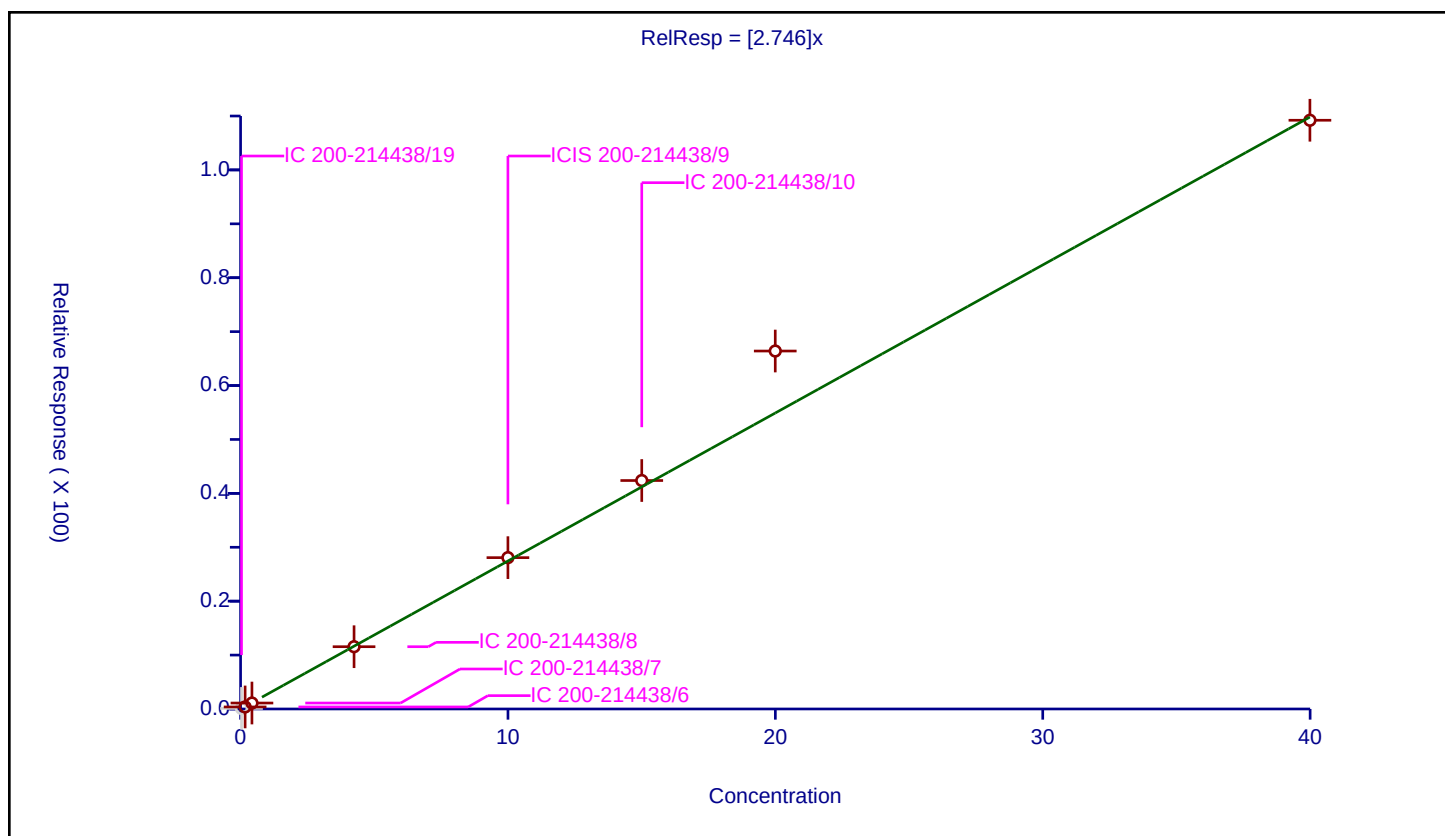
Curve Coefficients

Intercept: 0
Slope: 2.746

Error Coefficients

Relative Standard Deviation: 11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.105964	10.0	229795.0	3.020902	N
2	IC 200-214438/6	0.170374	0.377736	10.0	194183.0	2.217105	Y
3	IC 200-214438/7	0.425385	1.104588	10.0	213763.0	2.59668	Y
4	IC 200-214438/8	4.243678	11.55107	10.0	229145.0	2.721948	Y
5	ICIS 200-214438/9	9.99806	28.074951	10.0	233033.0	2.80804	Y
6	IC 200-214438/10	15.003557	42.383403	10.0	230259.0	2.82489	Y
7	IC 200-214438/13	19.99612	66.40143	10.0	203667.0	3.320716	Y
8	IC 200-214438/14	39.99224	109.211873	10.0	255682.0	2.730827	Y



Calibration

/ 1,3-Dichlorobenzene

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

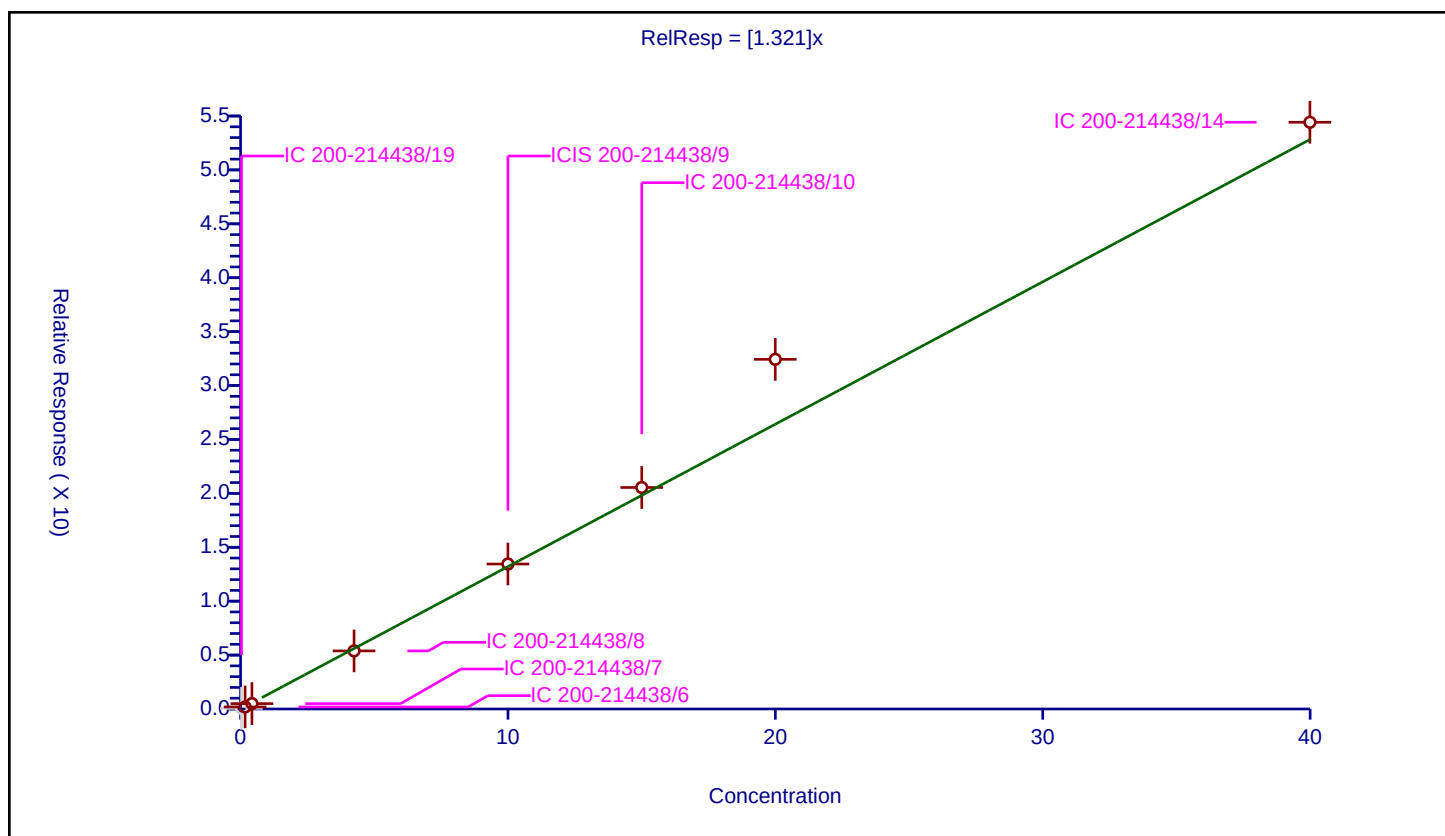
Curve Coefficients

Intercept: 0
Slope: 1.321

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.061446	10.0	229795.0	1.751751	N
2	IC 200-214438/6	0.170374	0.188533	10.0	194183.0	1.106588	Y
3	IC 200-214438/7	0.425385	0.498309	10.0	213763.0	1.171431	Y
4	IC 200-214438/8	4.243678	5.389339	10.0	229145.0	1.269969	Y
5	ICIS 200-214438/9	9.99806	13.446164	10.0	233033.0	1.344877	Y
6	IC 200-214438/10	15.003557	20.546515	10.0	230259.0	1.369443	Y
7	IC 200-214438/13	19.99612	32.431813	10.0	203667.0	1.621905	Y
8	IC 200-214438/14	39.99224	54.422095	10.0	255682.0	1.360816	Y



Calibration

/ 4-Isopropyltoluene

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

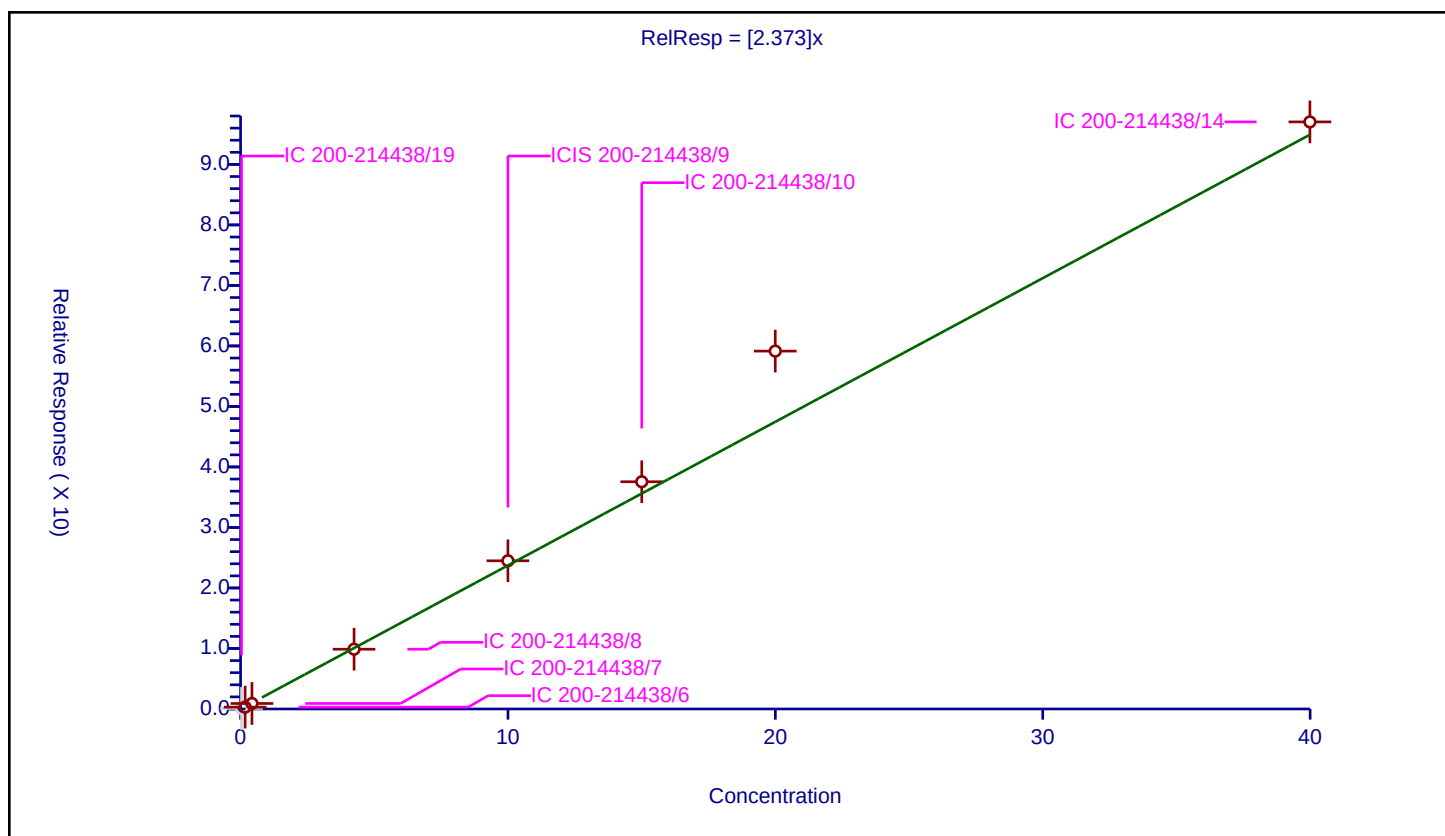
Curve Coefficients

Intercept: 0
 Slope: 2.373

Error Coefficients

Relative Standard Deviation: 14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.08377	10.0	229795.0	2.388188	N
2	IC 200-214438/6	0.170374	0.307545	10.0	194183.0	1.80512	Y
3	IC 200-214438/7	0.425385	0.911524	10.0	213763.0	2.142822	Y
4	IC 200-214438/8	4.243678	9.878505	10.0	229145.0	2.327817	Y
5	ICIS 200-214438/9	9.99806	24.492583	10.0	233033.0	2.449734	Y
6	IC 200-214438/10	15.003557	37.555101	10.0	230259.0	2.50308	Y
7	IC 200-214438/13	19.99612	59.148119	10.0	203667.0	2.95798	Y
8	IC 200-214438/14	39.99224	97.024546	10.0	255682.0	2.426084	Y



Calibration

/ 1,4-Dichlorobenzene

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

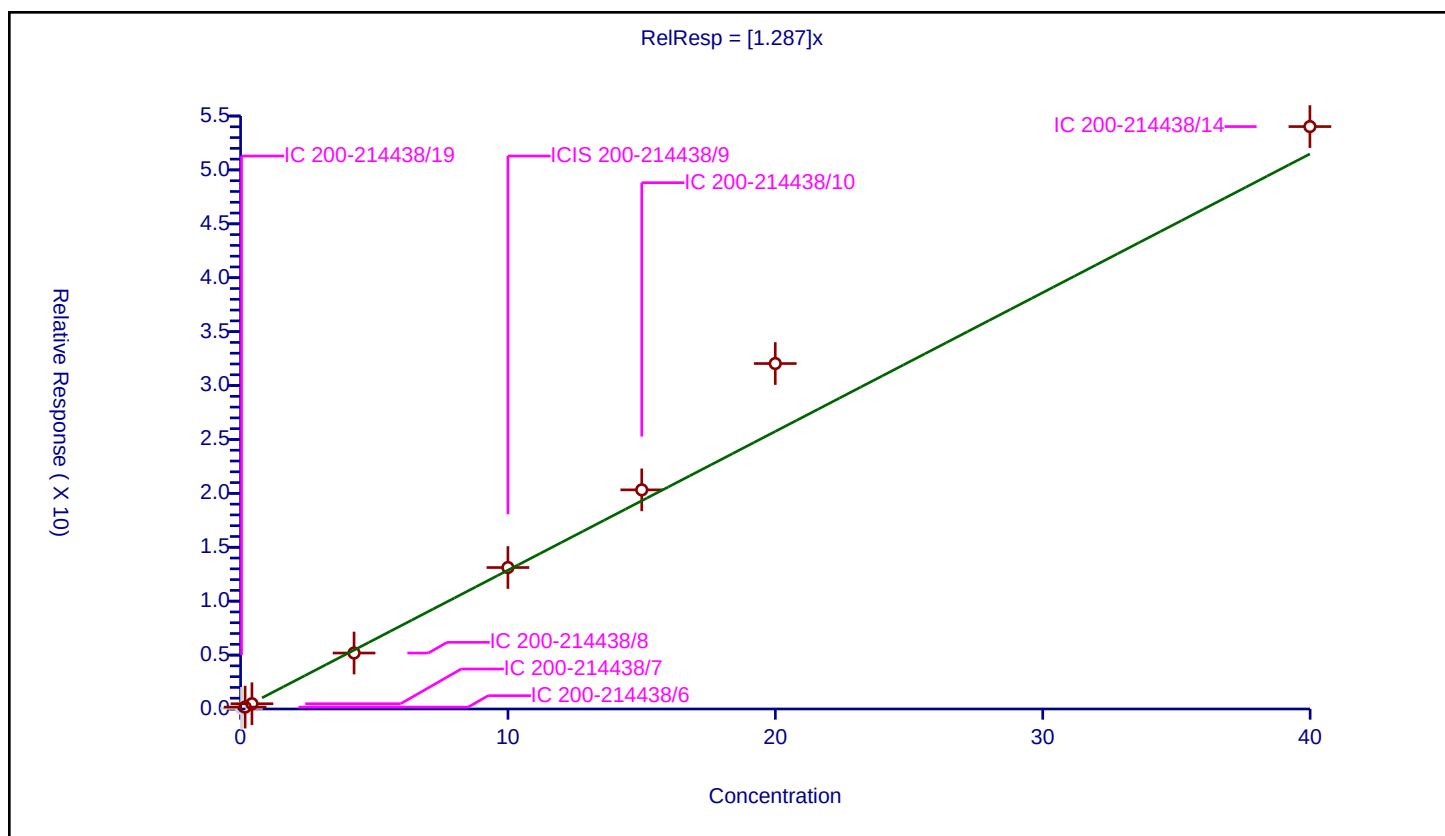
Curve Coefficients

Intercept: 0
Slope: 1.287

Error Coefficients

Relative Standard Deviation: 14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.060358	10.0	229795.0	1.720736	N
2	IC 200-214438/6	0.170374	0.173599	10.0	194183.0	1.018931	Y
3	IC 200-214438/7	0.425385	0.488719	10.0	213763.0	1.148887	Y
4	IC 200-214438/8	4.243678	5.191647	10.0	229145.0	1.223384	Y
5	ICIS 200-214438/9	9.99806	13.119816	10.0	233033.0	1.312236	Y
6	IC 200-214438/10	15.003557	20.325069	10.0	230259.0	1.354683	Y
7	IC 200-214438/13	19.99612	32.042255	10.0	203667.0	1.602424	Y
8	IC 200-214438/14	39.99224	54.021636	10.0	255682.0	1.350803	Y



Calibration

/ Benzyl chloride

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

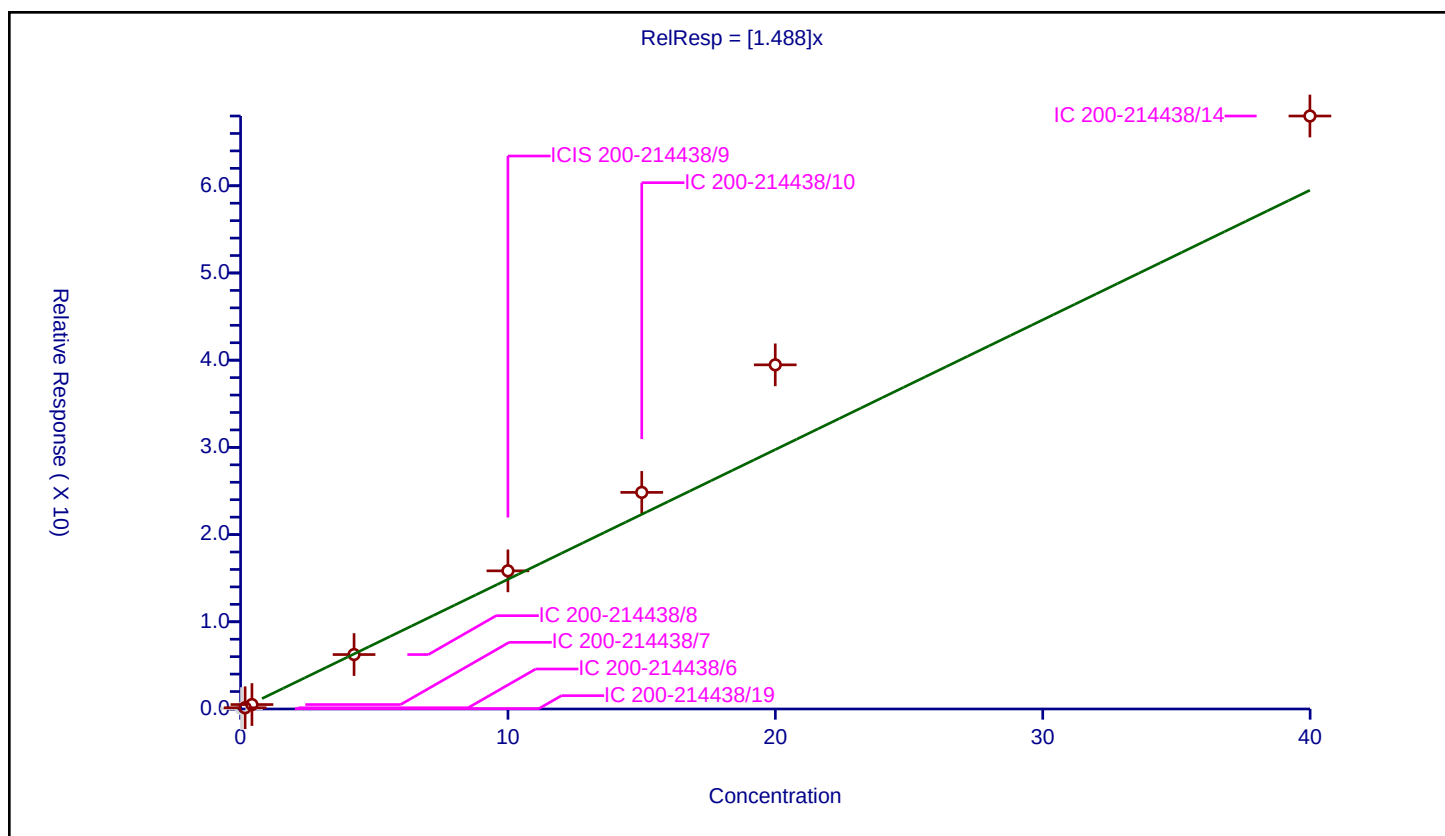
Curve Coefficients

Intercept: 0
Slope: 1.488

Error Coefficients

Relative Standard Deviation: 25.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.045475	10.0	229795.0	1.296445	N
2	IC 200-214438/6	0.170374	0.141619	10.0	194183.0	0.831226	Y
3	IC 200-214438/7	0.425385	0.508788	10.0	213763.0	1.196065	Y
4	IC 200-214438/8	4.243678	6.243819	10.0	229145.0	1.471322	Y
5	ICIS 200-214438/9	9.99806	15.842778	10.0	233033.0	1.584585	Y
6	IC 200-214438/10	15.003557	24.8379	10.0	230259.0	1.655467	Y
7	IC 200-214438/13	19.99612	39.465451	10.0	203667.0	1.973655	Y
8	IC 200-214438/14	39.99224	67.99849	10.0	255682.0	1.700292	Y



Calibration

/ n-Butylbenzene

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

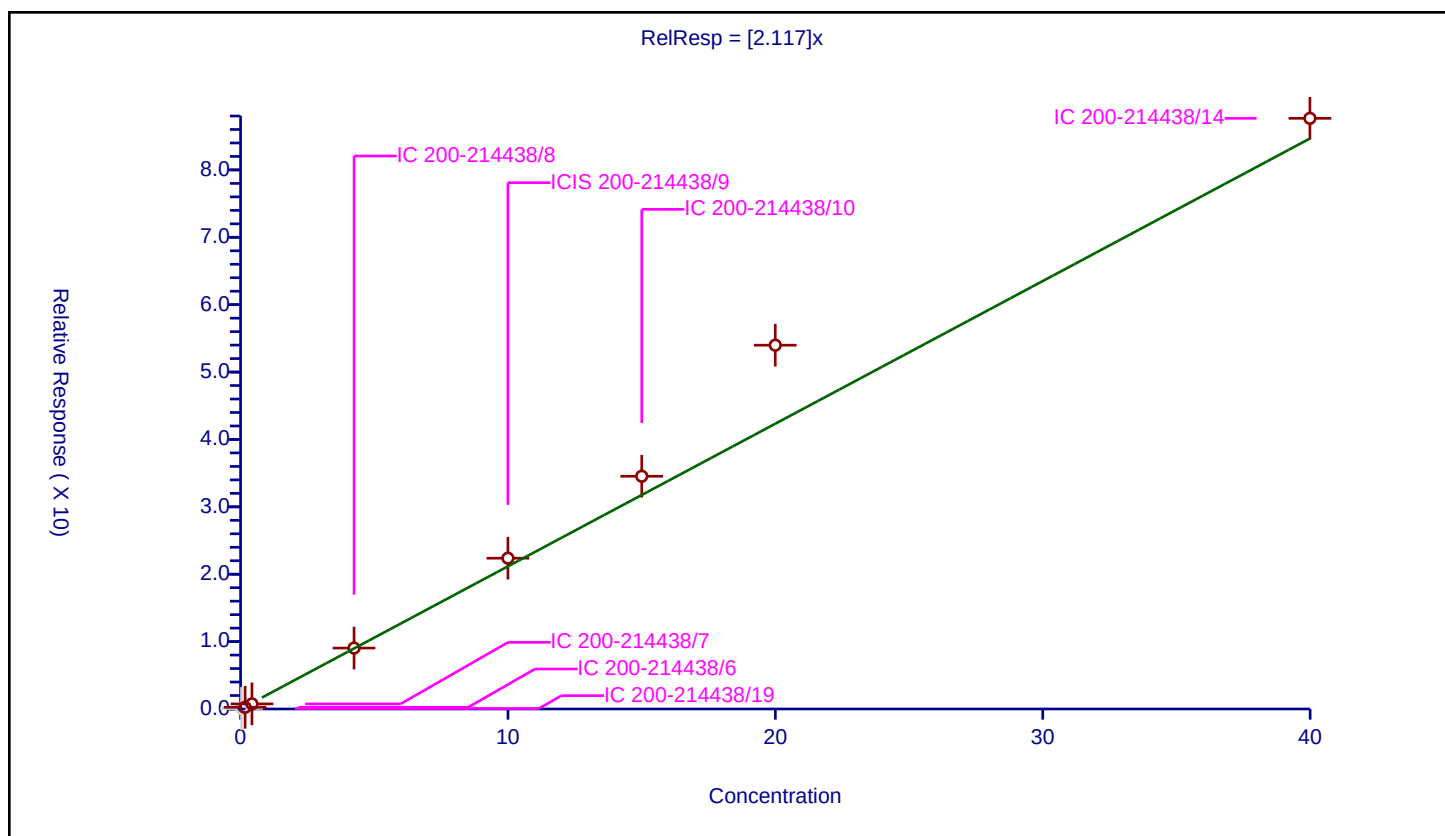
Curve Coefficients

Intercept: 0
Slope: 2.117

Error Coefficients

Relative Standard Deviation: 18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.070324	10.0	229795.0	2.004837	N
2	IC 200-214438/6	0.170374	0.252185	10.0	194183.0	1.480186	Y
3	IC 200-214438/7	0.425385	0.755229	10.0	213763.0	1.775402	Y
4	IC 200-214438/8	4.243678	9.039735	10.0	229145.0	2.130165	Y
5	ICIS 200-214438/9	9.99806	22.378075	10.0	233033.0	2.238242	Y
6	IC 200-214438/10	15.003557	34.540061	10.0	230259.0	2.302125	Y
7	IC 200-214438/13	19.99612	53.990681	10.0	203667.0	2.700058	Y
8	IC 200-214438/14	39.99224	87.657011	10.0	255682.0	2.191851	Y



Calibration

/ 1,2-Dichlorobenzene

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

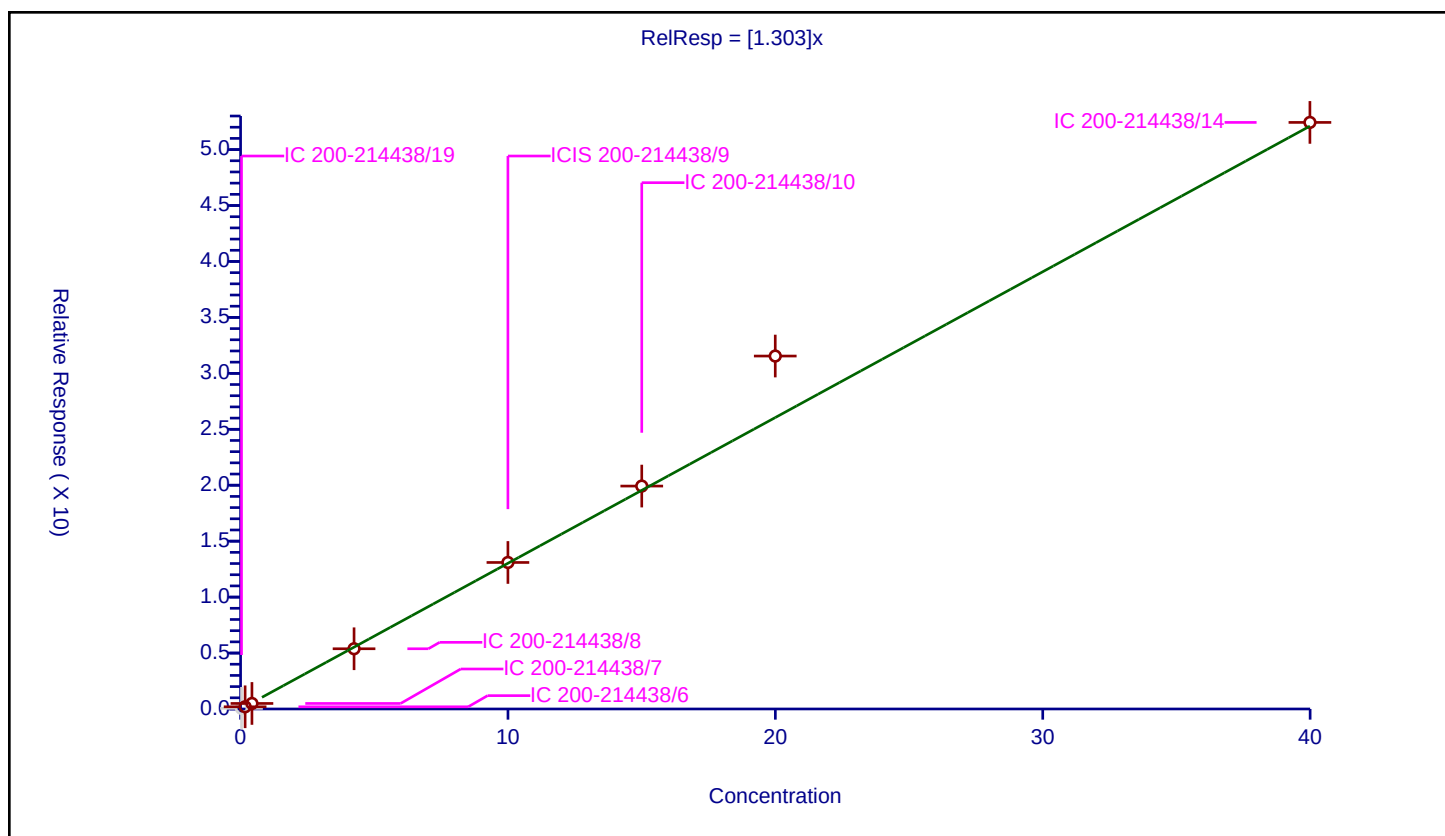
Curve Coefficients

Intercept: 0
 Slope: 1.303

Error Coefficients

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.058139	10.0	229795.0	1.657464	N
2	IC 200-214438/6	0.170374	0.197391	10.0	194183.0	1.158577	Y
3	IC 200-214438/7	0.425385	0.495736	10.0	213763.0	1.165383	Y
4	IC 200-214438/8	4.243678	5.382967	10.0	229145.0	1.268467	Y
5	ICIS 200-214438/9	9.99806	13.094841	10.0	233033.0	1.309738	Y
6	IC 200-214438/10	15.003557	19.924389	10.0	230259.0	1.327978	Y
7	IC 200-214438/13	19.99612	31.54625	10.0	203667.0	1.577619	Y
8	IC 200-214438/14	39.99224	52.428016	10.0	255682.0	1.310955	Y



Calibration

/ Undecane

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

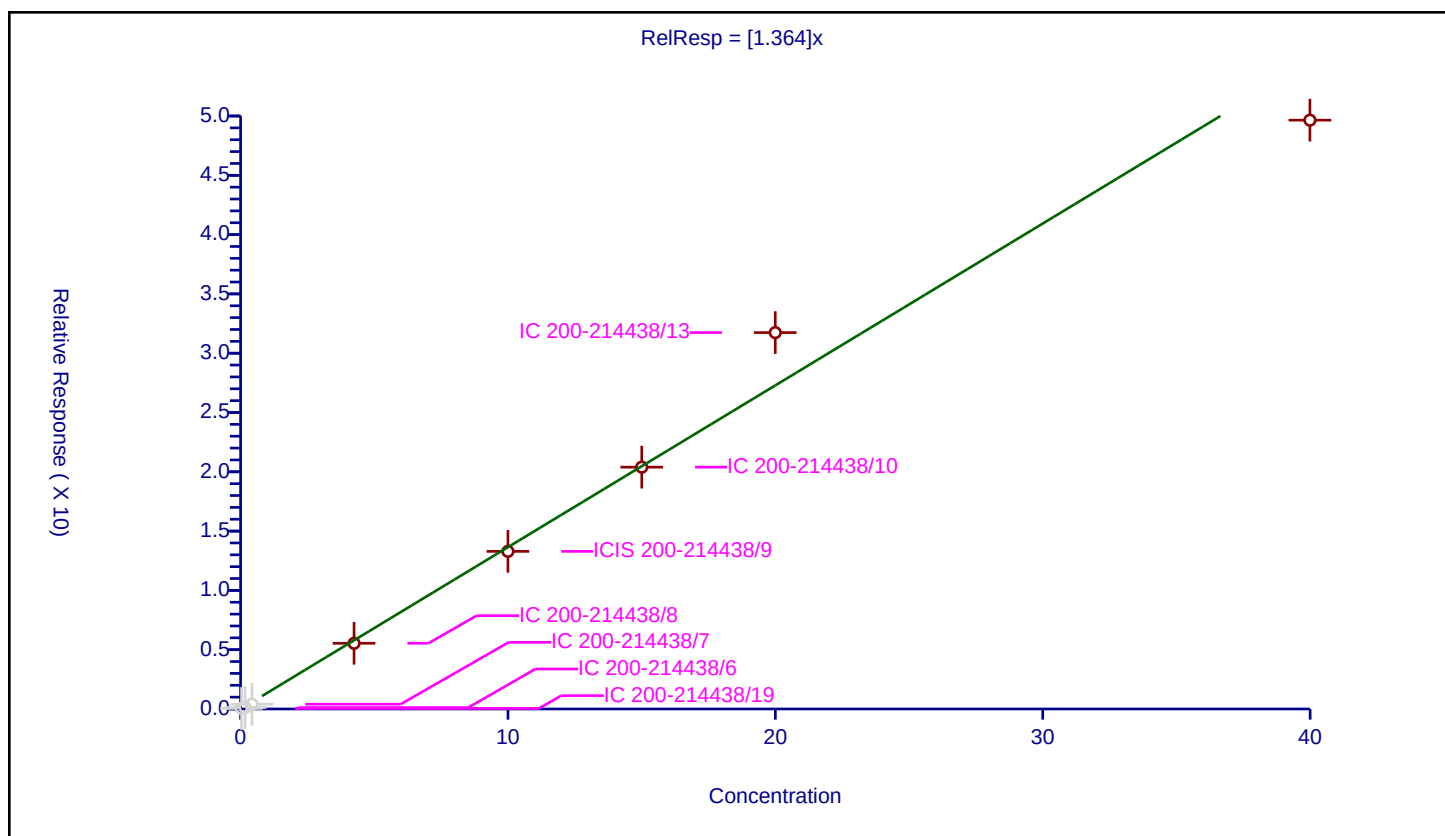
Curve Coefficients

Intercept: 0
Slope: 1.364

Error Coefficients

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.045084	10.0	229795.0	1.285279	N
2	IC 200-214438/6	0.170374	0.12138	10.0	194183.0	0.712436	N
3	IC 200-214438/7	0.425385	0.401379	10.0	213763.0	0.943567	N
4	IC 200-214438/8	4.243678	5.538807	10.0	229145.0	1.30519	Y
5	ICIS 200-214438/9	9.99806	13.289663	10.0	233033.0	1.329224	Y
6	IC 200-214438/10	15.003557	20.390734	10.0	230259.0	1.35906	Y
7	IC 200-214438/13	19.99612	31.736609	10.0	203667.0	1.587138	Y
8	IC 200-214438/14	39.99224	49.649917	10.0	255682.0	1.241489	Y



Calibration

/ Dodecane

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

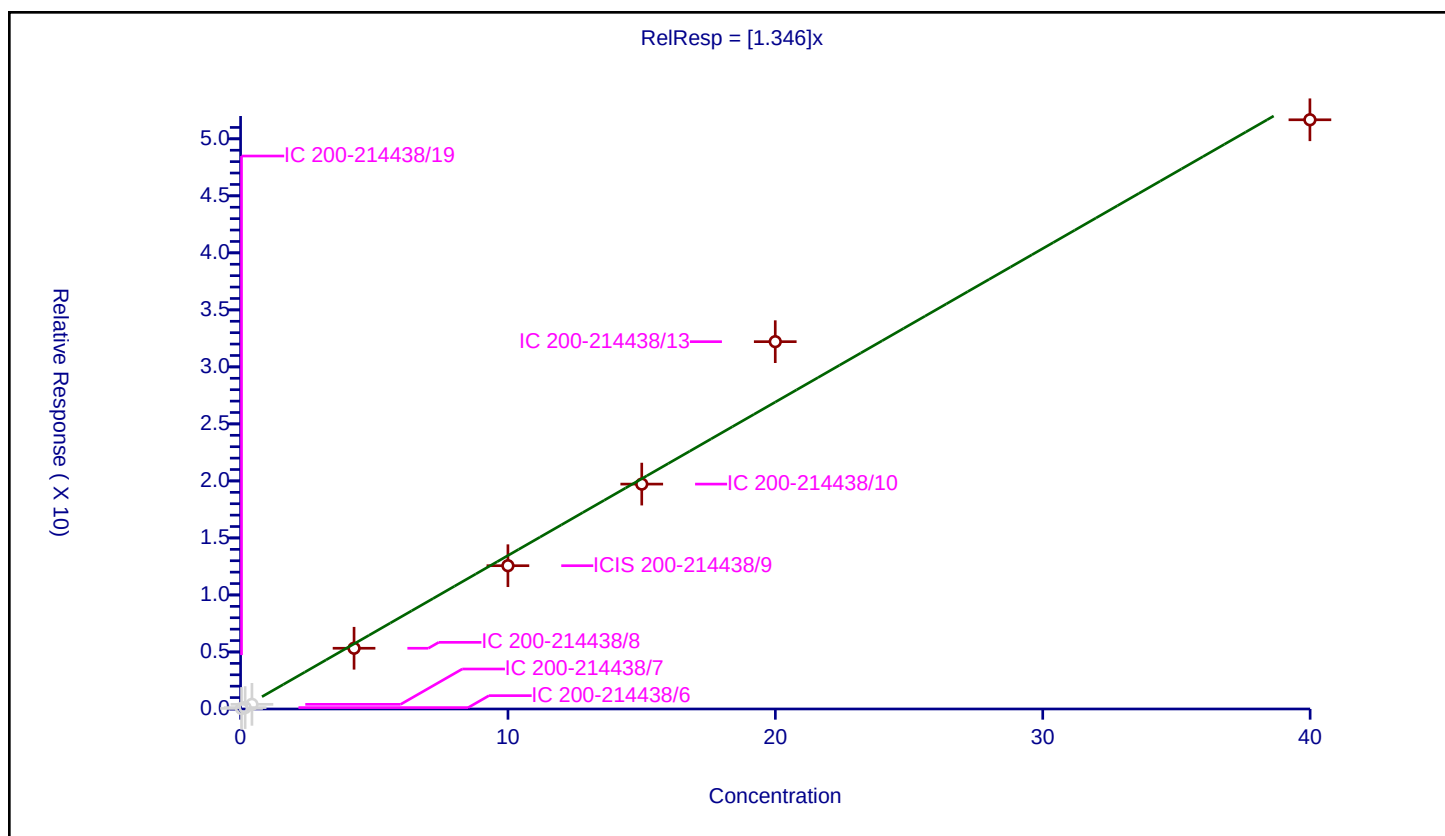
Curve Coefficients

Intercept: 0
Slope: 1.346

Error Coefficients

Relative Standard Deviation: 11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.035077	0.047738	10.0	229795.0	1.360957	N
2	IC 200-214438/6	0.170374	0.122771	10.0	194183.0	0.720597	N
3	IC 200-214438/7	0.425385	0.407554	10.0	213763.0	0.958084	N
4	IC 200-214438/8	4.243678	5.326234	10.0	229145.0	1.255099	Y
5	ICIS 200-214438/9	9.99806	12.565989	10.0	233033.0	1.256843	Y
6	IC 200-214438/10	15.003557	19.72127	10.0	230259.0	1.31444	Y
7	IC 200-214438/13	19.99612	32.21273	10.0	203667.0	1.610949	Y
8	IC 200-214438/14	39.99224	51.669613	10.0	255682.0	1.291991	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

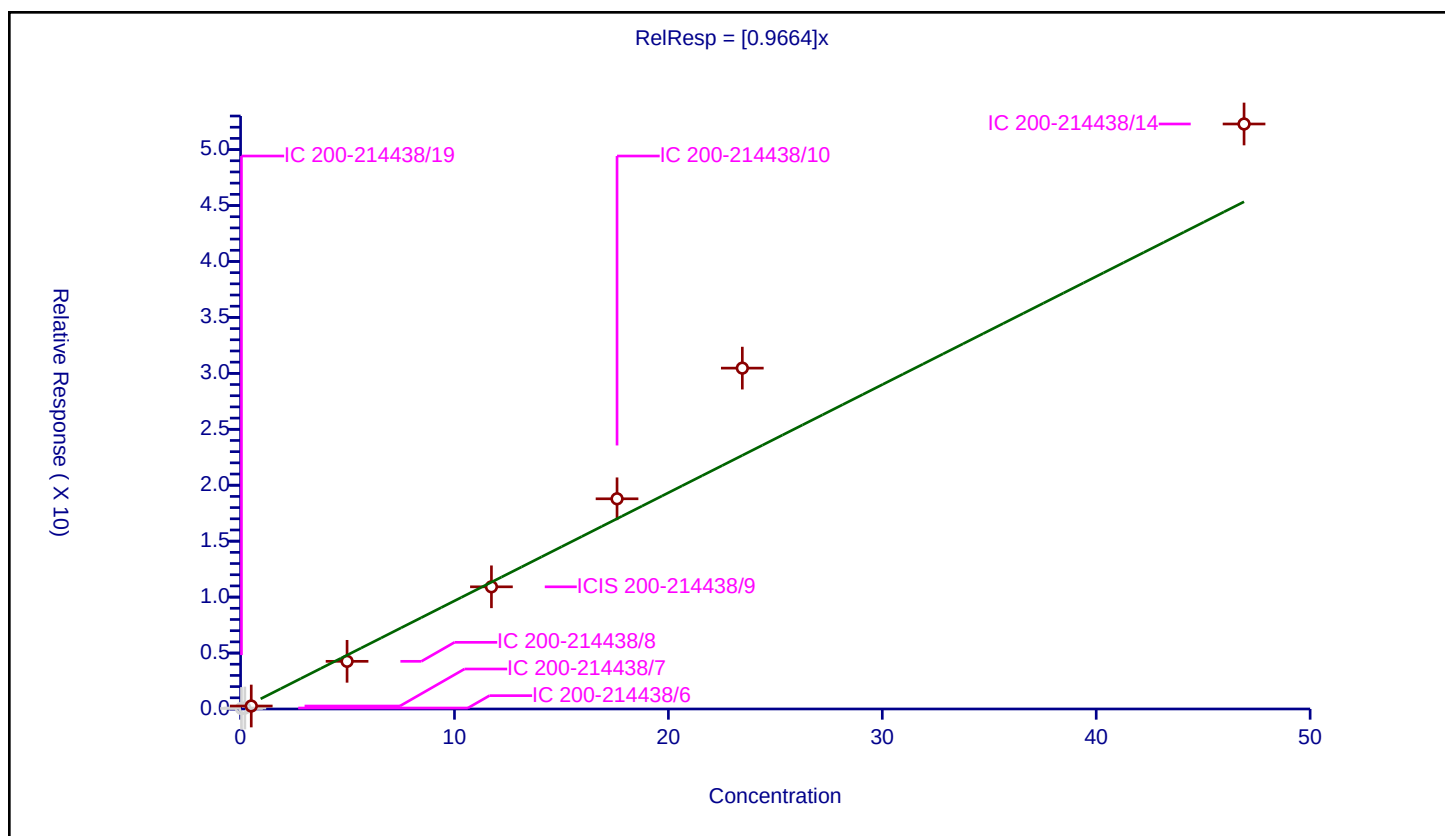
Curve Coefficients

Intercept: 0
Slope: 0.9664

Error Coefficients

Relative Standard Deviation: 27.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.041145	0.049871	10.0	229795.0	1.212061	N
2	IC 200-214438/6	0.199848	0.087443	10.0	194183.0	0.437548	N
3	IC 200-214438/7	0.498976	0.264686	10.0	213763.0	0.530457	Y
4	IC 200-214438/8	4.977835	4.260316	10.0	229145.0	0.855857	Y
5	ICIS 200-214438/9	11.727724	10.919183	10.0	233033.0	0.931057	Y
6	IC 200-214438/10	17.599172	18.786931	10.0	230259.0	1.067489	Y
7	IC 200-214438/13	23.455448	30.467037	10.0	203667.0	1.298932	Y
8	IC 200-214438/14	46.910897	52.287255	10.0	255682.0	1.114608	Y



Calibration

/ Hexachlorobutadiene

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

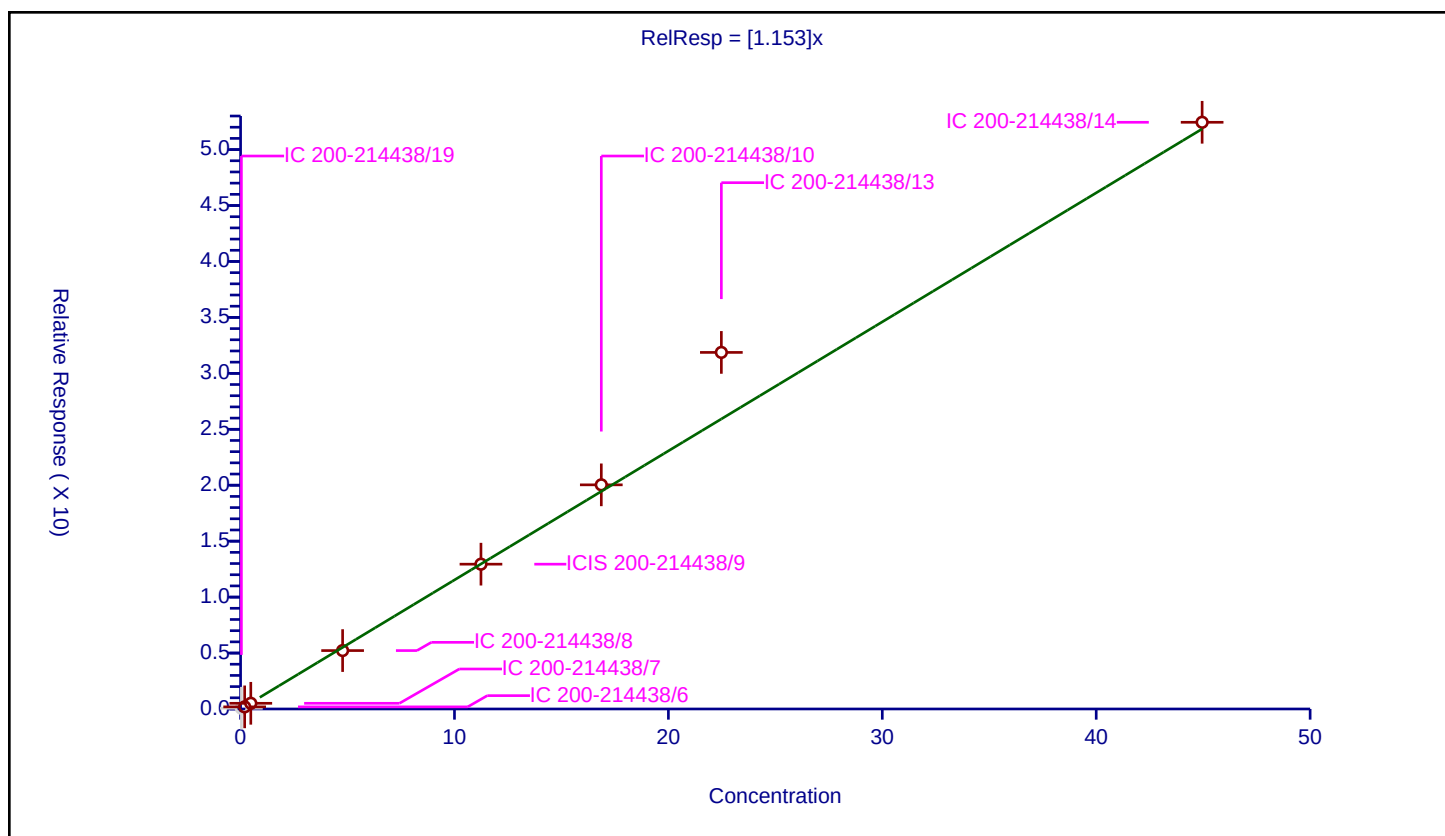
Curve Coefficients

Intercept: 0
Slope: 1.153

Error Coefficients

Relative Standard Deviation: 11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.039426	0.0678	10.0	229795.0	1.719645	N
2	IC 200-214438/6	0.1915	0.189769	10.0	194183.0	0.990963	Y
3	IC 200-214438/7	0.478132	0.508507	10.0	213763.0	1.063528	Y
4	IC 200-214438/8	4.769895	5.220886	10.0	229145.0	1.09455	Y
5	ICIS 200-214438/9	11.237819	12.943274	10.0	233033.0	1.15176	Y
6	IC 200-214438/10	16.863998	20.034961	10.0	230259.0	1.188031	Y
7	IC 200-214438/13	22.475639	31.87021	10.0	203667.0	1.417989	Y
8	IC 200-214438/14	44.951277	52.439554	10.0	255682.0	1.166587	Y



Calibration

/ Naphthalene

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

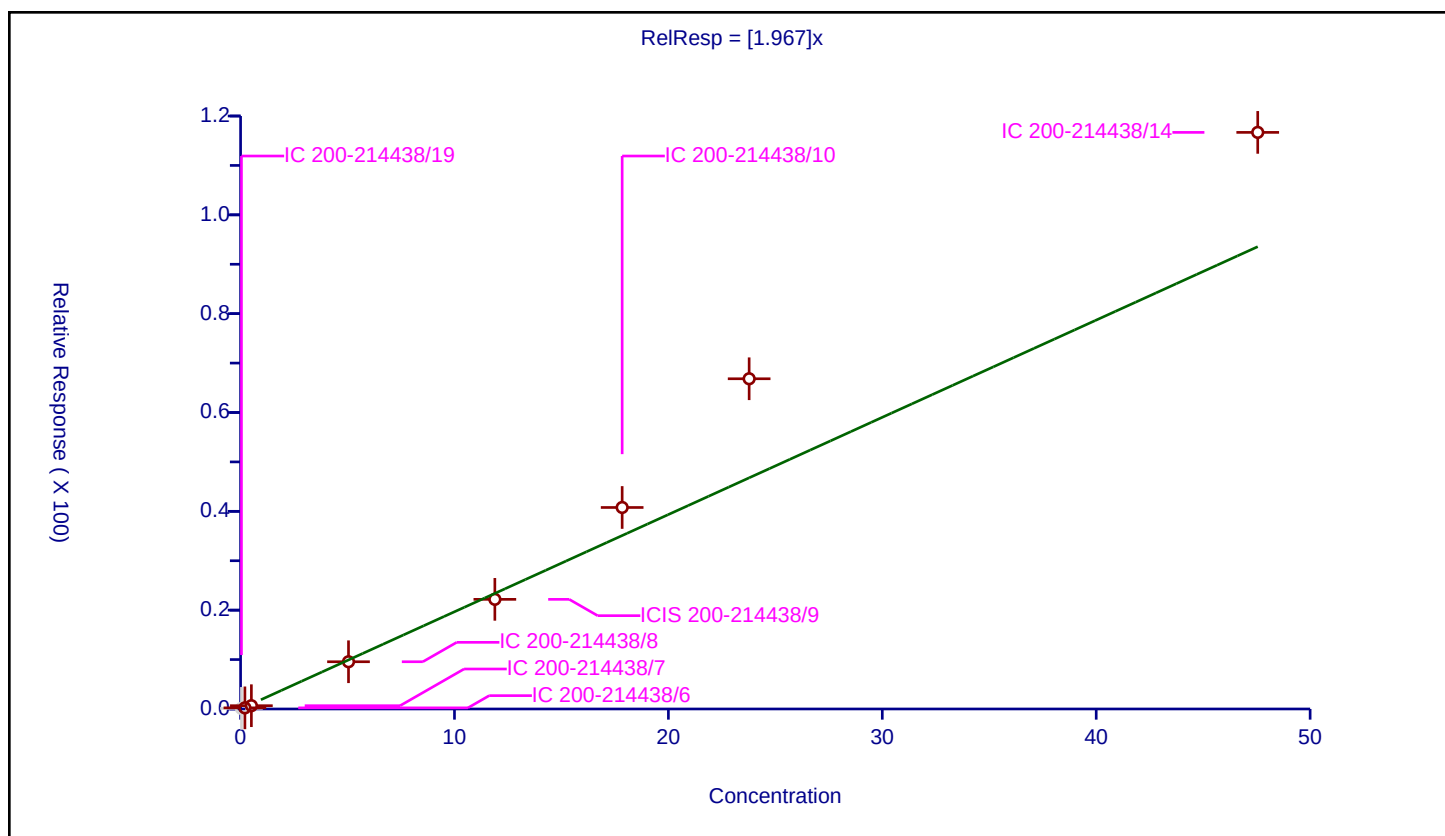
Curve Coefficients

Intercept: 0
Slope: 1.967

Error Coefficients

Relative Standard Deviation: 30.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.041706	0.123588	10.0	229795.0	2.96329	N
2	IC 200-214438/6	0.202574	0.231792	10.0	194183.0	1.14423	Y
3	IC 200-214438/7	0.505782	0.665691	10.0	213763.0	1.31616	Y
4	IC 200-214438/8	5.045734	9.559187	10.0	229145.0	1.894509	Y
5	ICIS 200-214438/9	11.887693	22.189947	10.0	233033.0	1.866632	Y
6	IC 200-214438/10	17.839229	40.781164	10.0	230259.0	2.286038	Y
7	IC 200-214438/13	23.775386	66.830022	10.0	203667.0	2.810891	Y
8	IC 200-214438/14	47.550773	116.685179	10.0	255682.0	2.453907	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

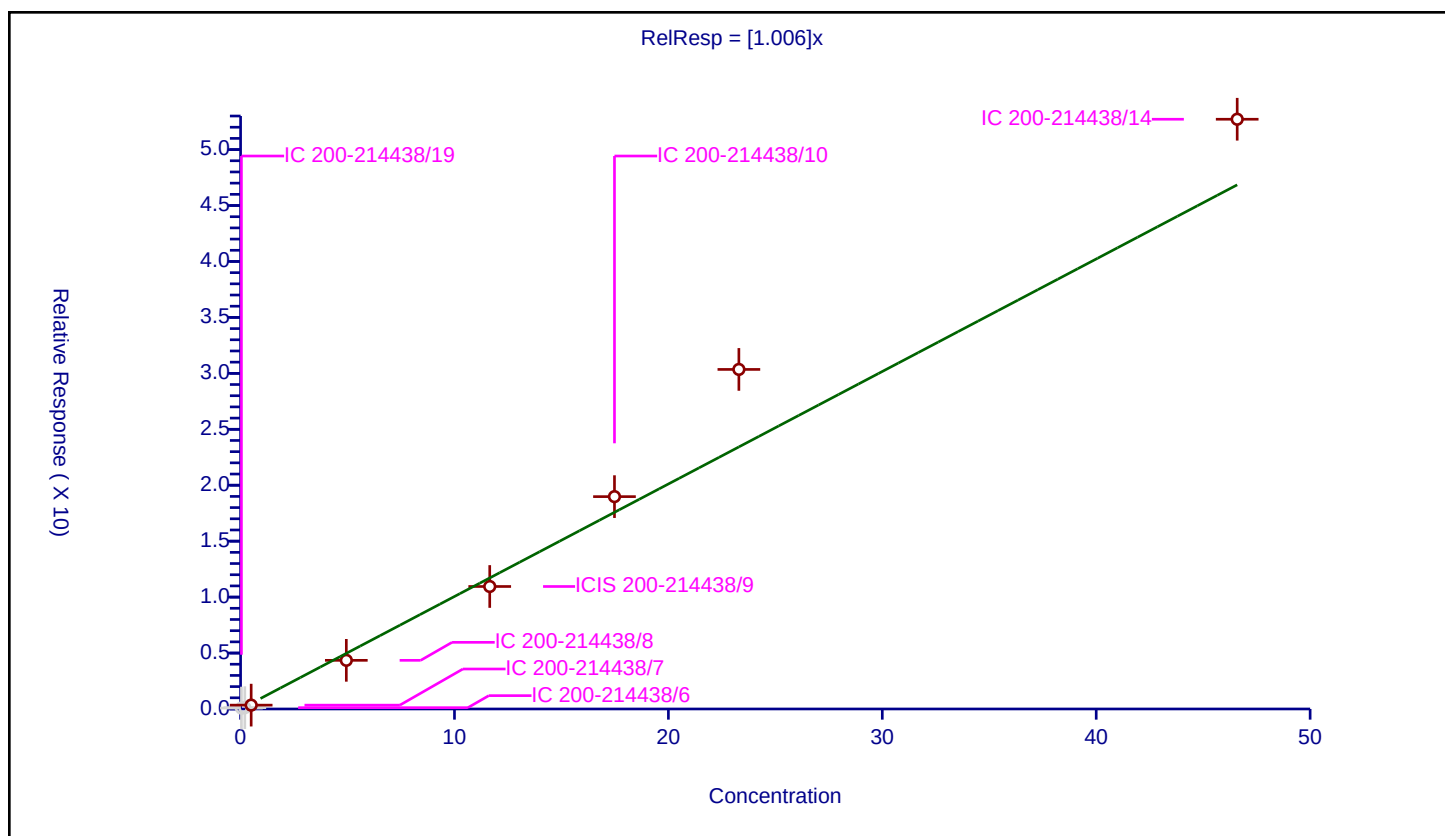
Curve Coefficients

Intercept: 0
Slope: 1.006

Error Coefficients

Relative Standard Deviation: 21.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-214438/19	0.040865	0.082117	10.0	229795.0	2.00948	N
2	IC 200-214438/6	0.198485	0.118805	10.0	194183.0	0.59856	N
3	IC 200-214438/7	0.495573	0.343652	10.0	213763.0	0.693443	Y
4	IC 200-214438/8	4.943885	4.349429	10.0	229145.0	0.879759	Y
5	ICIS 200-214438/9	11.64774	10.947334	10.0	233033.0	0.939868	Y
6	IC 200-214438/10	17.479144	18.979931	10.0	230259.0	1.085862	Y
7	IC 200-214438/13	23.29548	30.350523	10.0	203667.0	1.30285	Y
8	IC 200-214438/14	46.590959	52.711963	10.0	255682.0	1.131377	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Lab Sample ID: ICV 200-214438/20 Calibration Date: 03/21/2025 10:05

Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07

Lab File ID: 64366-20.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	1.211	1.476		12.2	10.0	21.9	30.0
Dichlorodifluoromethane	Ave	3.897	4.395		11.3	10.0	12.8	30.0
Freon 22	Ave	2.408	2.729		11.3	10.0	13.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.118	4.843		11.8	10.0	17.6	30.0
Chloromethane	Ave	1.520	1.694		11.1	10.0	11.4	30.0
Vinyl chloride	Ave	1.411	1.648		11.7	10.0	16.9	30.0
n-Butane	Ave	2.080	2.309		11.1	10.0	11.1	30.0
1,3-Butadiene	Ave	0.9439	1.193		12.6	10.0	26.3	30.0
Bromomethane	Ave	1.084	1.181		10.9	10.0	9.0	30.0
Chloroethane	Ave	0.6499	0.6654		10.2	10.0	2.4	30.0
Isopentane	Ave	1.622	1.796		11.1	10.0	10.7	30.0
Bromoethene (Vinyl Bromide)	Ave	1.285	1.500		11.7	10.0	16.7	30.0
Trichlorofluoromethane	Ave	3.139	3.518		11.2	10.0	12.1	30.0
n-Pentane	Ave	2.411	2.557		10.6	10.0	6.1	30.0
Ethanol	Ave	0.7445	0.7417		14.9	15.0	-0.4	30.0
Ethyl ether	Ave	0.8853	1.023		11.6	10.0	15.6	30.0
Acrolein	Ave	0.5223	0.5918		11.3	10.0	13.3	30.0
1,1-Dichloroethene	Ave	1.234	1.450		11.8	10.0	17.6	30.0
Freon TF	Ave	2.781	3.021		10.9	10.0	8.6	30.0
Acetone	Ave	1.843	1.907		10.3	10.0	3.5	30.0
Carbon disulfide	Ave	4.055	4.090		10.1	10.0	0.9	30.0
Isopropyl alcohol	Ave	2.047	2.266		11.1	10.0	10.7	30.0
Acetonitrile	Ave	0.9599	0.8595		8.95	10.0	-10.5	30.0
3-Chloropropene	Ave	1.446	1.373		9.50	10.0	-5.0	30.0
Methylene Chloride	Ave	1.372	1.400		10.2	10.0	2.1	30.0
tert-Butyl alcohol	Ave	2.496	2.490		9.97	10.0	-0.3	30.0
Acrylonitrile	Ave	0.8621	0.8507		9.87	10.0	-1.3	30.0
trans-1,2-Dichloroethene	Ave	1.584	1.826		11.5	10.0	15.2	30.0
Methyl tert-butyl ether	Ave	3.275	3.630		11.1	10.0	10.8	30.0
n-Hexane	Ave	1.714	1.910		11.1	10.0	11.4	30.0
1,1-Dichloroethane	Ave	2.059	2.251		10.9	10.0	9.3	30.0
Vinyl acetate	Ave	2.459	2.819		11.5	10.0	14.6	30.0
Methyl Ethyl Ketone	Ave	0.7084	0.6526		9.21	10.0	-7.9	30.0
cis-1,2-Dichloroethene	Ave	1.266	1.419		11.2	10.0	12.1	30.0
Ethyl acetate	Ave	0.1086	0.1185		10.9	10.0	9.2	30.0
Tetrahydrofuran	Ave	0.2638	0.2672		10.1	10.0	1.3	30.0
Chloroform	Ave	2.490	2.704		10.9	10.0	8.6	30.0
1,1,1-Trichloroethane	Ave	0.5333	0.6009		11.3	10.0	12.7	30.0
Cyclohexane	Ave	0.3373	0.3916		11.6	10.0	16.1	30.0
Carbon tetrachloride	Ave	0.5459	0.6330		11.6	10.0	16.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Lab Sample ID: ICV 200-214438/20 Calibration Date: 03/21/2025 10:05

Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07

Lab File ID: 64366-20.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	0.8158	0.9134		11.2	10.0	12.0	30.0
1,2-Dichloroethane	Ave	0.3245	0.3583		11.0	10.0	10.4	30.0
2,2,4-Trimethylpentane	Ave	1.177	1.367		11.6	10.0	16.1	30.0
n-Heptane	Ave	0.3990	0.4551		11.4	10.0	14.0	30.0
n-Butanol	Ave	0.1988	0.1830		9.20	10.0	-7.9	30.0
Trichloroethene	Ave	0.3490	0.4103		11.8	10.0	17.5	30.0
1,2-Dichloropropane	Ave	0.2981	0.3341		11.2	10.0	12.1	30.0
Methyl methacrylate	Ave	0.2813	0.3096		11.0	10.0	10.1	30.0
Dibromomethane	Ave	0.3831	0.4542		11.9	10.0	18.6	30.0
1,4-Dioxane	Ave	0.1689	0.1941		11.5	10.0	15.0	30.0
Bromodichloromethane	Ave	0.5664	0.6278		11.1	10.0	10.8	30.0
cis-1,3-Dichloropropene	Ave	0.5042	0.5736		11.4	10.0	13.8	30.0
Methyl isobutyl ketone	Ave	0.5684	0.5846		10.3	10.0	2.8	30.0
Toluene	Ave	0.8245	0.9181		11.1	10.0	11.4	30.0
n-Octane	Ave	0.5374	0.6172		11.5	10.0	14.9	30.0
trans-1,3-Dichloropropene	Ave	0.3961	0.4887		12.3	10.0	23.4	30.0
1,1,2-Trichloroethane	Ave	0.4224	0.4607		10.9	10.0	9.1	30.0
Tetrachloroethene	Ave	0.7568	0.8675		11.5	10.0	14.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7313	0.7369		10.1	10.0	0.8	30.0
Dibromochloromethane	Ave	0.9180	0.9081		9.89	10.0	-1.1	30.0
1,2-Dibromoethane	Ave	0.7928	0.8708		11.0	10.0	9.8	30.0
Chlorobenzene	Ave	1.211	1.325		10.9	10.0	9.5	30.0
Ethylbenzene	Ave	1.850	2.055		11.1	10.0	11.1	30.0
m,p-Xylene	Ave	0.7225	0.8163		22.6	20.0	13.0	30.0
n-Nonane	Ave	0.7605	0.9092		12.0	10.0	19.5	30.0
Xylene, o-	Ave	0.6903	0.7863		11.4	10.0	13.9	30.0
Styrene	Ave	1.084	1.259		11.6	10.0	16.2	30.0
Bromoform	Ave	0.9563	0.7269		7.60	10.0	-24.0	30.0
Cumene	Ave	2.099	2.367		11.3	10.0	12.8	30.0
1,1,2,2-Tetrachloroethane	Ave	1.153	1.225		10.6	10.0	6.3	30.0
1,2,3-Trichloropropane	Ave	0.8805	0.9385		10.7	10.0	6.6	30.0
n-Propylbenzene	Ave	2.557	2.834		11.1	10.0	10.8	30.0
2-Chlorotoluene	Ave	1.589	1.747		11.0	10.0	9.9	30.0
4-Ethyltoluene	Ave	2.105	2.386		11.3	10.0	13.3	30.0
1,3,5-Trimethylbenzene	Ave	1.798	1.980		11.0	10.0	10.1	30.0
n-Decane	Ave	1.102	1.225		11.1	10.0	11.2	30.0
Alpha Methyl Styrene	Ave	0.9134	1.045		11.4	10.0	14.4	30.0
tert-Butylbenzene	Ave	1.822	2.002		11.0	10.0	9.9	30.0
1,2,4-Trimethylbenzene	Ave	1.816	2.009		11.1	10.0	10.6	30.0
sec-Butylbenzene	Ave	2.746	3.036		11.1	10.0	10.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77589-1
 SDG No.: _____
 Lab Sample ID: ICV 200-214438/20 Calibration Date: 03/21/2025 10:05
 Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07
 Lab File ID: 64366-20.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	1.321	1.462		11.1	10.0	10.7	30.0
4-Isopropyltoluene	Ave	2.373	2.565		10.8	10.0	8.1	30.0
1,4-Dichlorobenzene	Ave	1.287	1.455		11.3	10.0	13.0	30.0
Benzyl chloride	Ave	1.488	1.691		11.4	10.0	13.7	30.0
n-Butylbenzene	Ave	2.117	2.389		11.3	10.0	12.9	30.0
1,2-Dichlorobenzene	Ave	1.303	1.425		10.9	10.0	9.4	30.0
n-Undecane	Ave	1.364	1.384		10.1	10.0	1.4	30.0
n-Dodecane	Ave	1.346	1.250		9.29	10.0	-7.1	30.0
1,2,4-Trichlorobenzene	Ave	0.9664	1.242		12.9	10.0	28.6	30.0
Hexachlorobutadiene	Ave	1.153	1.322		11.5	10.0	14.6	30.0
Naphthalene	Ave	1.967	2.505		12.7	10.0	27.3	30.0
1,2,3-Trichlorobenzene	Ave	1.006	1.022		10.2	10.0	1.6	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 21-Mar-2025 10:05:30 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064366-020
 Operator ID: wrd Instrument ID: CHX.i
 Sublist:
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 21-Mar-2025 08:39:31 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1705

First Level Reviewer: BKZ7

Date: 21-Mar-2025 10:47:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.216	4.200	0.016	99	106164	10.0	12.2	
3 Dichlorodifluoromethane	85	4.313	4.297	0.016	99	316146	10.0	11.3	
4 Chlorodifluoromethane	51	4.356	4.340	0.016	97	196288	10.0	11.3	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.666	4.655	0.011	95	348376	10.0	11.8	
6 Chloromethane	50	4.783	4.773	0.010	99	121825	10.0	11.1	
7 Vinyl chloride	62	5.083	5.072	0.011	98	118585	10.0	11.7	
8 Butane	43	5.088	5.072	0.016	99	166130	10.0	11.1	
9 Butadiene	54	5.195	5.185	0.010	94	85787	10.0	12.6	
10 Bromomethane	94	5.896	5.886	0.010	99	84986	10.0	10.9	
11 BFB									
12 Chloroethane	64	6.164	6.153	0.011	99	47864	10.0	10.2	
13 2-Methylbutane	43	6.367	6.356	0.011	94	129182	10.0	11.1	
14 Vinyl bromide	106	6.581	6.570	0.011	99	107881	10.0	11.7	
15 Trichlorofluoromethane	101	6.741	6.736	0.005	98	253044	10.0	11.2	
16 Pentane	43	6.945	6.939	0.006	98	183968	10.0	10.6	
17 Ethanol	45	7.169	7.169	-0.001	98	80068	15.0	14.9	
18 Ethyl ether	59	7.378	7.378	0.000	94	73613	10.0	11.6	
19 Acrolein	56	7.608	7.608	0.000	95	42574	10.0	11.3	
20 1,1-Dichloroethene	96	7.795	7.790	0.005	98	104341	10.0	11.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.838	7.833	0.005	99	217333	10.0	10.9	
22 Acetone	43	7.897	7.897	0.000	97	137186	10.0	10.3	
24 Carbon disulfide	76	8.197	8.191	0.006	99	294212	10.0	10.1	
23 Isopropyl alcohol	45	8.229	8.229	0.000	100	162981	10.0	11.1	
25 Acetonitrile	41	8.389	8.389	0.000	100	61827	10.0	8.95	
27 3-Chloro-1-propene	41	8.485	8.480	0.005	95	98786	10.0	9.50	
28 Methylene Chloride	49	8.716	8.716	0.000	91	100739	10.0	10.2	
29 2-Methyl-2-propanol	59	9.004	8.999	0.005	93	179104	10.0	9.97	
30 Acrylonitrile	53	9.117	9.117	0.000	96	61195	10.0	9.87	
32 trans-1,2-Dichloroethene	61	9.208	9.208	0.000	98	131336	10.0	11.5	
31 Methyl tert-butyl ether	73	9.240	9.240	0.000	97	261102	10.0	11.1	
S 33 1,2-Dichloroethene, Total	61				0		20.0	22.7	

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	9.711	9.711	0.000	91	137410	10.0	11.1	
36 1,1-Dichloroethane	63	9.967	9.962	0.005	100	161950	10.0	10.9	
35 Vinyl acetate	43	9.983	9.983	0.000	100	202778	10.0	11.5	
37 2-Butanone (MEK)	72	10.936	10.941	-0.005	99	46945	10.0	9.21	
38 cis-1,2-Dichloroethene	96	10.952	10.952	0.000	91	102099	10.0	11.2	
39 Ethyl acetate	88	11.021	11.021	0.000	99	8526	10.0	10.9	
* 40 Chlorobromomethane	128	11.358	11.358	0.000	84	71950	10.0	10.0	
41 Tetrahydrofuran	42	11.428	11.422	0.005	90	88725	10.0	10.1	
42 Chloroform	83	11.535	11.535	0.000	95	194489	10.0	10.9	
43 1,1,1-Trichloroethane	97	11.834	11.834	0.000	95	199558	10.0	11.3	
44 Cyclohexane	84	11.973	11.973	-0.001	97	130036	10.0	11.6	
45 Carbon tetrachloride	117	12.118	12.113	0.005	97	210205	10.0	11.6	
46 Benzene	78	12.455	12.455	0.000	95	303332	10.0	11.2	
47 1,2-Dichloroethane	62	12.525	12.525	-0.001	97	118998	10.0	11.0	
48 Isooctane	57	12.669	12.669	0.000	99	453853	10.0	11.6	
49 n-Heptane	43	12.979	12.979	0.000	90	151114	10.0	11.4	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	332138	10.0	10.0	
51 n-Butanol	56	13.461	13.461	0.000	86	60775	10.0	9.20	
52 Trichloroethene	95	13.616	13.616	0.000	98	136239	10.0	11.8	
A 53 GRO	1	14.017	(6.346-21.688)		0	41844814	649.9	0	
55 1,2-Dichloropropane	63	14.065	14.065	0.000	94	110936	10.0	11.2	
56 Methyl methacrylate	69	14.167	14.167	0.000	99	102816	10.0	11.0	
58 Dibromomethane	174	14.226	14.226	0.000	93	150826	10.0	11.9	
57 1,4-Dioxane	88	14.242	14.236	0.006	91	64455	10.0	11.5	
59 Dichlorobromomethane	83	14.536	14.531	0.005	98	208465	10.0	11.1	
60 cis-1,3-Dichloropropene	75	15.333	15.333	0.000	90	190469	10.0	11.4	
A 61 TVOC as Toluene	92	15.352	(4.190-26.513)		0	68839463	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.617	15.611	0.006	95	194116	10.0	10.3	
63 Toluene	92	15.970	15.964	0.006	93	222329	10.0	11.1	
A 64 Toluene Range	1	15.978	(15.906-16.050)		0	853545	NC	NC	
66 n-Octane	43	16.221	16.221	0.000	90	204972	10.0	11.5	
A 65 C8 Range	1	16.253	(16.146-16.360)		0	827034	NC	NC	
67 trans-1,3-Dichloropropene	75	16.382	16.382	0.000	95	162283	10.0	12.3	
68 1,1,2-Trichloroethane	83	16.751	16.751	0.000	95	111561	10.0	10.9	
69 Tetrachloroethene	166	16.959	16.959	0.000	97	210082	10.0	11.5	
70 2-Hexanone	43	17.195	17.195	0.000	97	178457	10.0	10.1	
71 Chlorodibromomethane	129	17.489	17.489	0.000	98	219917	10.0	9.89	
72 Ethylene Dibromide	107	17.719	17.719	0.000	99	210862	10.0	11.0	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	242208	10.0	10.0	
74 Chlorobenzene	112	18.693	18.693	0.000	97	320928	10.0	10.9	
75 Ethylbenzene	91	18.885	18.885	0.000	97	497718	10.0	11.1	
76 m-Xylene & p-Xylene	106	19.147	19.142	0.005	0	395372	20.0	22.6	
77 n-Nonane	57	19.212	19.212	0.000	86	220163	10.0	12.0	
S 78 Xylenes, Total	106				0		30.0	34.0	
79 o-Xylene	106	19.918	19.912	0.005	99	190401	10.0	11.4	
80 Styrene	104	19.950	19.950	0.000	97	304993	10.0	11.6	
81 Bromoform	173	20.303	20.303	0.000	99	176015	10.0	7.60	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	573257	10.0	11.3	
83 1,1,2,2-Tetrachloroethane	83	21.154	21.154	0.000	98	296693	10.0	10.6	
84 1,2,3-Trichloropropane	75	21.250	21.250	0.000	98	227270	10.0	10.7	
85 N-Propylbenzene	91	21.352	21.352	0.000	100	686201	10.0	11.1	
86 2-Chlorotoluene	91	21.501	21.501	0.000	96	423102	10.0	11.0	

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	21.549	21.549	-0.001	98	577722	10.0	11.3	
88 1,3,5-Trimethylbenzene	105	21.646	21.646	0.000	94	479546	10.0	11.0	
89 n-Decane	57	21.678	21.678	0.000	92	296719	10.0	11.1	
90 Alpha Methyl Styrene	118	21.977	21.977	-0.001	91	252955	10.0	11.4	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	484719	10.0	11.0	
92 1,2,4-Trimethylbenzene	105	22.218	22.218	0.000	97	486552	10.0	11.1	
93 sec-Butylbenzene	105	22.454	22.454	0.000	99	735102	10.0	11.1	
94 1,3-Dichlorobenzene	146	22.630	22.630	0.000	95	353953	10.0	11.1	
95 4-Isopropyltoluene	119	22.673	22.668	0.005	98	621256	10.0	10.8	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	96	352359	10.0	11.3	
97 Benzyl chloride	91	22.914	22.914	0.000	100	409548	10.0	11.4	
98 n-Butylbenzene	91	23.219	23.219	0.000	98	578548	10.0	11.3	
99 1,2-Dichlorobenzene	146	23.251	23.251	0.000	98	344973	10.0	10.9	
100 Undecane	57	23.368	23.368	0.000	94	335135	10.0	10.1	
101 Dodecane	57	24.914	24.914	0.000	98	302792	10.0	9.29	
102 1,2,4-Trichlorobenzene	180	25.637	25.637	0.000	94	300850	10.0	12.9	
103 Hexachlorobutadiene	225	25.883	25.883	0.000	96	320190	10.0	11.5	
104 Naphthalene	128	26.102	26.102	0.000	99	606677	10.0	12.7	
105 1,2,3-Trichlorobenzene	180	26.503	26.503	0.000	96	247493	10.0	10.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00883

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 21-Mar-2025 10:47:46

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-20.D

Injection Date: 21-Mar-2025 10:05:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ICV

Worklist Smp#: 20

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

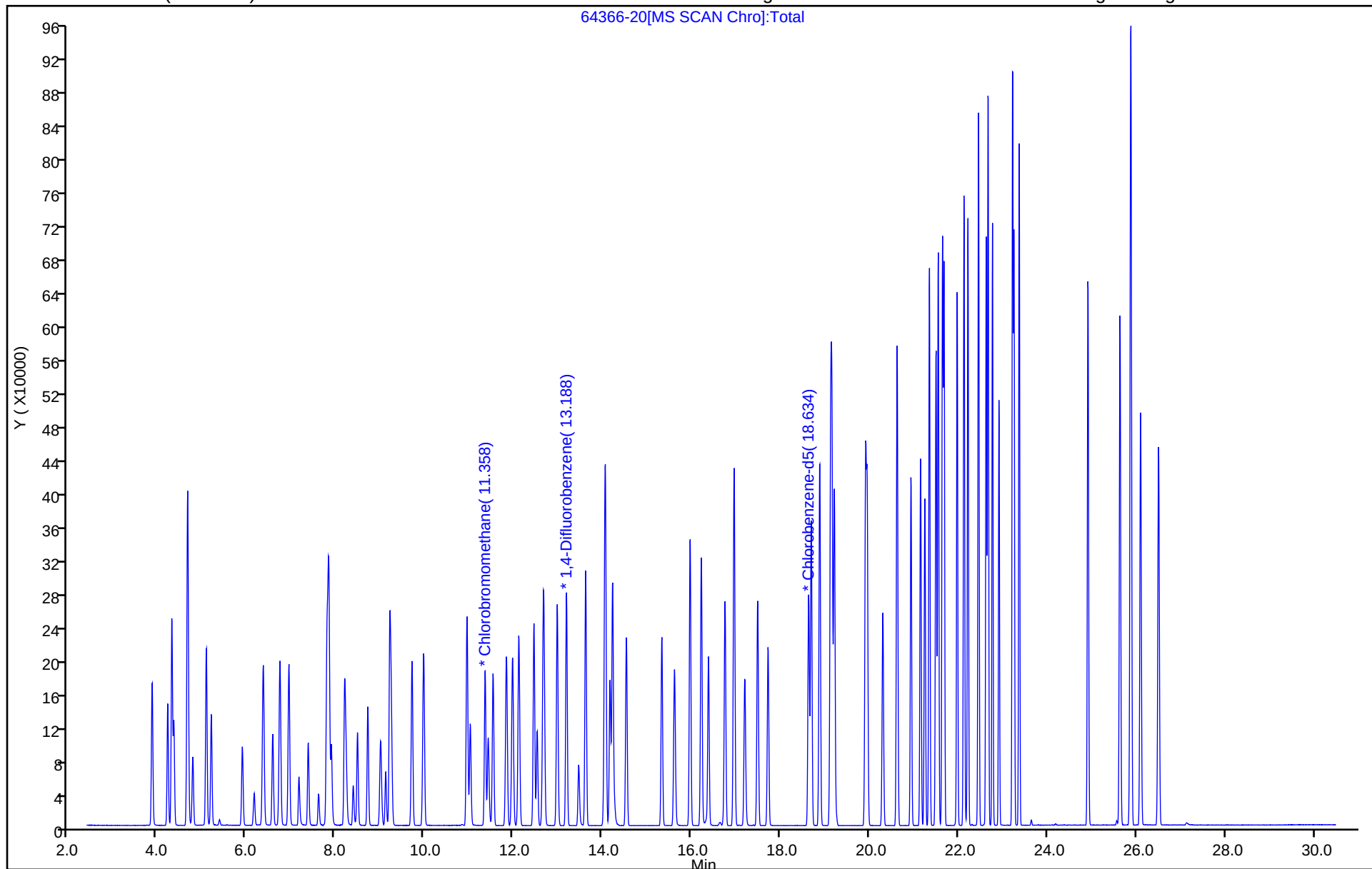
ALS Bottle#: 20

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.: 200-77589-1

SDG No.: _____

Lab Sample ID: CCVIS 200-214887/3 Calibration Date: 04/07/2025 08:48

Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07

Lab File ID: 64586-03.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	1.211	1.620		13.4	10.0	33.8*	30.0
Dichlorodifluoromethane	Ave	3.897	4.656		11.9	10.0	19.5	30.0
Freon 22	Ave	2.408	2.993		12.4	10.0	24.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.118	5.204		12.6	10.0	26.4	30.0
Chloromethane	Ave	1.520	1.875		12.3	10.0	23.3	30.0
n-Butane	Ave	2.080	2.219		10.7	10.0	6.7	30.0
Vinyl chloride	Ave	1.411	1.594		11.3	10.0	13.0	30.0
1,3-Butadiene	Ave	0.9439	1.129		12.0	10.0	19.6	30.0
Bromomethane	Ave	1.084	1.126		10.4	10.0	3.8	30.0
Chloroethane	Ave	0.6499	0.5942		9.14	10.0	-8.6	30.0
Isopentane	Ave	1.622	1.555		9.59	10.0	-4.1	30.0
Bromoethene (Vinyl Bromide)	Ave	1.285	1.337		10.4	10.0	4.0	30.0
Trichlorofluoromethane	Ave	3.139	3.273		10.4	10.0	4.3	30.0
n-Pentane	Ave	2.411	2.260		9.37	10.0	-6.3	30.0
Ethanol	Ave	0.7445	0.6780		13.7	15.0	-8.9	30.0
Ethyl ether	Ave	0.8853	0.8970		10.1	10.0	1.3	30.0
Acrolein	Ave	0.5223	0.4730		10.6	11.7	-9.4	30.0
1,1-Dichloroethene	Ave	1.234	1.311		10.6	10.0	6.2	30.0
Freon TF	Ave	2.781	2.762		9.93	10.0	-0.7	30.0
Acetone	Ave	1.843	1.749		9.49	10.0	-5.1	30.0
Carbon disulfide	Ave	4.055	3.711		9.15	10.0	-8.5	30.0
Isopropyl alcohol	Ave	2.047	1.847		10.5	11.6	-9.8	30.0
Acetonitrile	Ave	0.9599	0.8228		8.57	10.0	-14.3	30.0
3-Chloropropene	Ave	1.446	1.346		9.30	10.0	-6.9	30.0
Methylene Chloride	Ave	1.372	1.231		8.97	10.0	-10.3	30.0
tert-Butyl alcohol	Ave	2.496	2.277		9.12	10.0	-8.8	30.0
Acrylonitrile	Ave	0.8621	0.7720		8.95	10.0	-10.5	30.0
trans-1,2-Dichloroethene	Ave	1.584	1.587		10.0	10.0	0.2	30.0
Methyl tert-butyl ether	Ave	3.275	3.280		10.0	10.0	0.1	30.0
n-Hexane	Ave	1.714	1.646		9.60	10.0	-4.0	30.0
1,1-Dichloroethane	Ave	2.059	2.038		9.90	10.0	-1.0	30.0
Vinyl acetate	Ave	2.459	2.194		10.2	11.4	-10.8	30.0
Methyl Ethyl Ketone	Ave	0.7084	0.5888		8.31	10.0	-16.9	30.0
cis-1,2-Dichloroethene	Ave	1.266	1.295		10.2	10.0	2.3	30.0
Ethyl acetate	Ave	0.1086	0.1062		9.78	10.0	-2.2	30.0
Tetrahydrofuran	Ave	0.2638	0.2443		9.26	10.0	-7.4	30.0
Chloroform	Ave	2.490	2.469		9.91	10.0	-0.9	30.0
1,1,1-Trichloroethane	Ave	0.5333	0.5558		10.4	10.0	4.2	30.0
Cyclohexane	Ave	0.3373	0.3418		10.1	10.0	1.3	30.0
Carbon tetrachloride	Ave	0.5459	0.5995		11.0	10.0	9.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Lab Sample ID: CCVIS 200-214887/3 Calibration Date: 04/07/2025 08:48

Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07

Lab File ID: 64586-03.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	0.8158	0.7882		9.66	10.0	-3.4	30.0
1,2-Dichloroethane	Ave	0.3245	0.3369		10.4	10.0	3.8	30.0
2,2,4-Trimethylpentane	Ave	1.177	1.167		9.91	10.0	-0.9	30.0
n-Heptane	Ave	0.3990	0.3964		9.93	10.0	-0.7	30.0
n-Butanol	Ave	0.1988	0.1752		8.81	10.0	-11.9	30.0
Trichloroethene	Ave	0.3490	0.3648		10.4	10.0	4.5	30.0
1,2-Dichloropropane	Ave	0.2981	0.2886		9.68	10.0	-3.2	30.0
Methyl methacrylate	Ave	0.2813	0.2720		9.67	10.0	-3.3	30.0
Dibromomethane	Ave	0.3831	0.4101		10.7	10.0	7.0	30.0
1,4-Dioxane	Ave	0.1689	0.1765		10.4	10.0	4.5	30.0
Bromodichloromethane	Ave	0.5664	0.5852		10.3	10.0	3.3	30.0
cis-1,3-Dichloropropene	Ave	0.5042	0.5121		10.2	10.0	1.6	30.0
Methyl isobutyl ketone	Ave	0.5684	0.5254		9.24	10.0	-7.6	30.0
Toluene	Ave	0.8245	0.6717		8.14	10.0	-18.5	30.0
n-Octane	Ave	0.5374	0.5619		10.5	10.0	4.6	30.0
trans-1,3-Dichloropropene	Ave	0.3961	0.4181		10.6	10.0	5.6	30.0
1,1,2-Trichloroethane	Ave	0.4224	0.3316		7.85	10.0	-21.5	30.0
Tetrachloroethene	Ave	0.7568	0.6642		8.77	10.0	-12.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7313	0.5462		7.47	10.0	-25.3	30.0
Dibromochloromethane	Ave	0.9180	0.7885		8.59	10.0	-14.1	30.0
1,2-Dibromoethane	Ave	0.7928	0.6631		8.36	10.0	-16.4	30.0
Chlorobenzene	Ave	1.211	0.9880		8.16	10.0	-18.4	30.0
Ethylbenzene	Ave	1.850	1.530		8.27	10.0	-17.3	30.0
m,p-Xylene	Ave	0.7225	0.6183		17.1	20.0	-14.4	30.0
n-Nonane	Ave	0.7605	0.6663		8.76	10.0	-12.4	30.0
Xylene, o-	Ave	0.6903	0.5931		8.59	10.0	-14.1	30.0
Styrene	Ave	1.084	0.9533		8.79	10.0	-12.1	30.0
Bromoform	Ave	0.9563	0.8534		8.92	10.0	-10.8	30.0
Cumene	Ave	2.099	1.844		8.78	10.0	-12.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.153	0.9382		8.14	10.0	-18.6	30.0
1,2,3-Trichloropropane	Ave	0.8805	0.7167		8.14	10.0	-18.6	30.0
n-Propylbenzene	Ave	2.557	2.208		8.64	10.0	-13.6	30.0
2-Chlorotoluene	Ave	1.589	1.347		8.47	10.0	-15.3	30.0
4-Ethyltoluene	Ave	2.105	1.851		8.79	10.0	-12.1	30.0
1,3,5-Trimethylbenzene	Ave	1.798	1.584		8.80	10.0	-11.9	30.0
n-Decane	Ave	1.102	0.9489		8.61	10.0	-13.9	30.0
Alpha Methyl Styrene	Ave	0.9134	0.8400		9.19	10.0	-8.0	30.0
tert-Butylbenzene	Ave	1.822	1.617		8.87	10.0	-11.3	30.0
1,2,4-Trimethylbenzene	Ave	1.816	1.618		8.91	10.0	-10.9	30.0
sec-Butylbenzene	Ave	2.746	2.436		8.87	10.0	-11.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77589-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-214887/3 Calibration Date: 04/07/2025 08:48
 Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07
 Lab File ID: 64586-03.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	1.321	1.180		8.93	10.0	-10.7	30.0
4-Isopropyltoluene	Ave	2.373	2.149		9.06	10.0	-9.4	30.0
1,4-Dichlorobenzene	Ave	1.287	1.155		8.97	10.0	-10.3	30.0
Benzyl chloride	Ave	1.488	1.389		9.34	10.0	-6.6	30.0
n-Butylbenzene	Ave	2.117	1.954		9.23	10.0	-7.7	30.0
1,2-Dichlorobenzene	Ave	1.303	1.170		8.98	10.0	-10.2	30.0
n-Undecane	Ave	1.364	1.132		8.30	10.0	-17.0	30.0
n-Dodecane	Ave	1.346	0.9946		7.39	10.0	-26.1	30.0
1,2,4-Trichlorobenzene	Ave	0.9664	0.8521		10.3	11.7	-11.8	30.0
Hexachlorobutadiene	Ave	1.153	1.041		10.1	11.2	-9.8	30.0
Naphthalene	Ave	1.967	1.646		9.94	11.9	-16.4	30.0
1,2,3-Trichlorobenzene	Ave	1.006	0.8658		10.0	11.6	-13.9	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-03.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 07-Apr-2025 08:48:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064586-003
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 08-Apr-2025 09:27:20 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1720

First Level Reviewer: YWL8

Date: 08-Apr-2025 09:27:20

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	4.216	4.216	0.000	97	93531	10.0	13.4	
3 Dichlorodifluoromethane	85	4.307	4.307	0.000	99	268770	10.0	11.9	
4 Chlorodifluoromethane	51	4.350	4.350	0.000	97	172767	10.0	12.4	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.660	4.660	0.000	97	300432	10.0	12.6	
6 Chloromethane	50	4.778	4.778	0.000	99	108224	10.0	12.3	
7 Vinyl chloride	62	5.083	5.083	0.000	98	91996	10.0	11.3	
8 Butane	43	5.083	5.083	0.000	99	128083	10.0	10.7	
9 Butadiene	54	5.195	5.195	0.000	95	65193	10.0	12.0	
11 BFB									
10 Bromomethane	94	5.891	5.891	0.000	99	64988	10.0	10.4	
12 Chloroethane	64	6.158	6.158	0.000	100	34302	10.0	9.14	
13 2-Methylbutane	43	6.362	6.362	0.000	94	89794	10.0	9.59	
14 Vinyl bromide	106	6.576	6.576	0.000	99	77186	10.0	10.4	
15 Trichlorofluoromethane	101	6.736	6.736	0.000	99	188921	10.0	10.4	
16 Pentane	43	6.939	6.939	0.000	98	130474	10.0	9.37	
17 Ethanol	45	7.169	7.169	0.000	98	58736	15.0	13.7	
18 Ethyl ether	59	7.378	7.378	0.000	95	51780	10.0	10.1	
19 Acrolein	56	7.608	7.608	0.000	96	31977	11.7	10.6	
20 1,1-Dichloroethene	96	7.795	7.795	0.000	98	75659	10.0	10.6	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.833	7.833	0.000	98	159465	10.0	9.93	
22 Acetone	43	7.897	7.897	0.000	97	100986	10.0	9.49	
24 Carbon disulfide	76	8.191	8.191	0.000	99	214215	10.0	9.15	
23 Isopropyl alcohol	45	8.229	8.229	0.000	100	123556	11.6	10.5	
25 Acetonitrile	41	8.389	8.389	0.000	99	47499	10.0	8.57	
27 3-Chloro-1-propene	41	8.486	8.486	0.000	97	77674	10.0	9.30	
28 Methylene Chloride	49	8.716	8.716	0.000	90	71044	10.0	8.97	
29 2-Methyl-2-propanol	59	9.004	9.004	0.000	94	131436	10.0	9.12	
30 Acrylonitrile	53	9.122	9.122	0.000	94	44566	10.0	8.95	
32 trans-1,2-Dichloroethene	61	9.208	9.208	0.000	97	91626	10.0	10.0	
31 Methyl tert-butyl ether	73	9.240	9.240	0.000	96	189339	10.0	10.0	
S 33 1,2-Dichloroethene, Total	61				0		20.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.711	9.711	0.000	92	95034	10.0	9.60	
36 1,1-Dichloroethane	63	9.962	9.962	0.000	100	117666	10.0	9.90	
35 Vinyl acetate	43	9.978	9.978	0.000	100	144277	11.4	10.2	
37 2-Butanone (MEK)	72	10.941	10.941	0.000	99	33989	10.0	8.31	
38 cis-1,2-Dichloroethene	96	10.952	10.952	0.000	91	74756	10.0	10.2	
39 Ethyl acetate	88	11.021	11.021	0.000	99	6133	10.0	9.78	
* 40 Chlorobromomethane	128	11.353	11.353	0.000	81	57738	10.0	10.0	
41 Tetrahydrofuran	42	11.422	11.422	0.000	89	65314	10.0	9.26	
42 Chloroform	83	11.535	11.535	0.000	96	142507	10.0	9.91	
43 1,1,1-Trichloroethane	97	11.834	11.834	0.000	94	148580	10.0	10.4	
44 Cyclohexane	84	11.968	11.968	0.000	97	91384	10.0	10.1	
45 Carbon tetrachloride	117	12.113	12.113	0.000	98	160279	10.0	11.0	
46 Benzene	78	12.455	12.455	0.000	95	210724	10.0	9.66	
47 1,2-Dichloroethane	62	12.525	12.525	0.000	98	90067	10.0	10.4	
48 Isooctane	57	12.669	12.669	0.000	99	311867	10.0	9.91	
49 n-Heptane	43	12.974	12.974	0.000	91	105965	10.0	9.93	
* 50 1,4-Difluorobenzene	114	13.183	13.183	0.000	93	267390	10.0	10.0	
51 n-Butanol	56	13.461	13.461	0.000	86	46843	10.0	8.81	
52 Trichloroethene	95	13.616	13.616	0.000	97	97513	10.0	10.4	
A 53 GRO	1	14.020	(6.352-21.688)		0	31497389	649.9	0	
55 1,2-Dichloropropane	63	14.060	14.060	0.000	92	77156	10.0	9.68	
56 Methyl methacrylate	69	14.162	14.162	0.000	99	72725	10.0	9.67	
58 Dibromomethane	174	14.220	14.220	0.000	92	109630	10.0	10.7	
57 1,4-Dioxane	88	14.247	14.247	0.000	90	47177	10.0	10.4	
59 Dichlorobromomethane	83	14.531	14.531	0.000	98	156438	10.0	10.3	
60 cis-1,3-Dichloropropene	75	15.328	15.328	0.000	91	136913	10.0	10.2	
A 61 TVOC as Toluene	92	15.357	(4.206-26.508)		0	53253372	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.611	15.611	0.000	95	140464	10.0	9.24	
63 Toluene	92	15.964	15.964	0.000	93	158508	10.0	8.14	
A 64 Toluene Range	1	15.970	(15.906-16.034)		0	615583	NC	NC	
66 n-Octane	43	16.216	16.216	0.000	90	150210	10.0	10.5	
A 65 C8 Range	1	16.253	(16.152-16.355)		0	603627	NC	NC	
67 trans-1,3-Dichloropropene	75	16.376	16.376	0.000	96	111787	10.0	10.6	
68 1,1,2-Trichloroethane	83	16.751	16.751	0.000	96	78253	10.0	7.85	
69 Tetrachloroethene	166	16.954	16.954	0.000	97	156738	10.0	8.77	
70 2-Hexanone	43	17.189	17.189	0.000	96	128895	10.0	7.47	
71 Chlorodibromomethane	129	17.484	17.484	0.000	98	186088	10.0	8.59	
72 Ethylene Dibromide	107	17.719	17.719	0.000	98	156501	10.0	8.36	
* 73 Chlorobenzene-d5	117	18.629	18.629	0.000	84	236043	10.0	10.0	
74 Chlorobenzene	112	18.687	18.687	0.000	97	233174	10.0	8.16	
75 Ethylbenzene	91	18.880	18.880	0.000	98	361068	10.0	8.27	
76 m-Xylene & p-Xylene	106	19.142	19.142	0.000	0	291814	20.0	17.1	
77 n-Nonane	57	19.206	19.206	0.000	87	157238	10.0	8.76	
S 78 Xylenes, Total	106				0		30.0	25.7	
79 o-Xylene	106	19.912	19.912	0.000	99	139980	10.0	8.59	
80 Styrene	104	19.945	19.945	0.000	97	224968	10.0	8.79	
81 Bromoform	173	20.298	20.298	0.000	99	201396	10.0	8.92	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	435250	10.0	8.78	
83 1,1,2,2-Tetrachloroethane	83	21.148	21.148	0.000	98	221404	10.0	8.14	
84 1,2,3-Trichloropropane	75	21.245	21.245	0.000	98	169141	10.0	8.14	
85 N-Propylbenzene	91	21.346	21.346	0.000	100	521102	10.0	8.64	
86 2-Chlorotoluene	91	21.496	21.496	0.000	96	317808	10.0	8.47	

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	21.544	21.544	0.000	98	436870	10.0	8.79	
88 1,3,5-Trimethylbenzene	105	21.640	21.640	0.000	94	373703	10.0	8.80	
89 n-Decane	57	21.678	21.678	0.000	92	223927	10.0	8.61	
90 Alpha Methyl Styrene	118	21.972	21.972	0.000	91	198243	10.0	9.19	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	381537	10.0	8.87	
92 1,2,4-Trimethylbenzene	105	22.213	22.213	0.000	97	381832	10.0	8.91	
93 sec-Butylbenzene	105	22.454	22.454	0.000	99	574872	10.0	8.87	
94 1,3-Dichlorobenzene	146	22.625	22.625	0.000	95	278368	10.0	8.93	
95 4-Isopropyltoluene	119	22.668	22.668	0.000	98	507250	10.0	9.06	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	97	272646	10.0	8.97	
97 Benzyl chloride	91	22.914	22.914	0.000	100	327816	10.0	9.34	
98 n-Butylbenzene	91	23.219	23.219	0.000	98	461027	10.0	9.23	
99 1,2-Dichlorobenzene	146	23.251	23.251	0.000	98	276106	10.0	8.98	
100 Undecane	57	23.368	23.368	0.000	94	267263	10.0	8.30	
101 Dodecane	57	24.914	24.914	0.000	98	234727	10.0	7.39	
102 1,2,4-Trichlorobenzene	180	25.631	25.631	0.000	93	235892	11.7	10.3	
103 Hexachlorobutadiene	225	25.877	25.877	0.000	96	276097	11.2	10.1	
104 Naphthalene	128	26.097	26.097	0.000	99	461808	11.9	9.94	
105 1,2,3-Trichlorobenzene	180	26.498	26.498	0.000	96	238052	11.6	10.0	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00833

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 08-Apr-2025 09:27:20

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-03.D

Injection Date: 07-Apr-2025 08:48:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ccvis

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

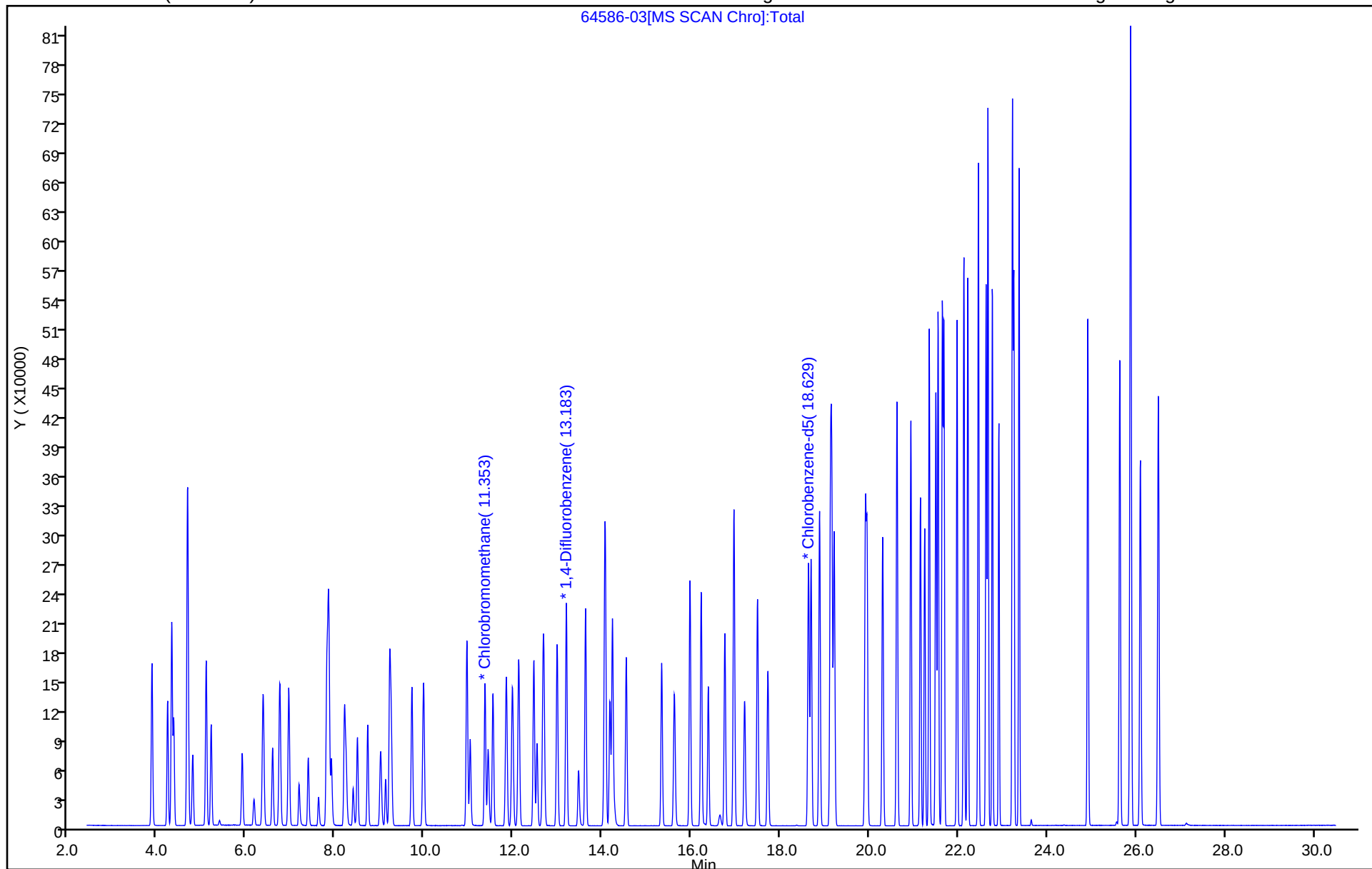
ALS Bottle#: 2

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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Lab Sample ID: CCVIS 200-214931/3 Calibration Date: 04/08/2025 09:21

Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07

Lab File ID: 64608-03.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	1.211	1.528		12.6	10.0	26.2	30.0
Dichlorodifluoromethane	Ave	3.897	4.477		11.5	10.0	14.9	30.0
Freon 22	Ave	2.408	2.827		11.7	10.0	17.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.118	4.967		12.1	10.0	20.6	30.0
Chloromethane	Ave	1.520	1.735		11.4	10.0	14.1	30.0
Vinyl chloride	Ave	1.411	1.656		11.7	10.0	17.4	30.0
n-Butane	Ave	2.080	2.361		11.4	10.0	13.5	30.0
1,3-Butadiene	Ave	0.9439	1.182		12.5	10.0	25.2	30.0
Bromomethane	Ave	1.084	1.223		11.3	10.0	12.8	30.0
Chloroethane	Ave	0.6499	0.6790		10.4	10.0	4.5	30.0
Isopentane	Ave	1.622	1.611		9.93	10.0	-0.7	30.0
Bromoethene (Vinyl Bromide)	Ave	1.285	1.346		10.5	10.0	4.7	30.0
Trichlorofluoromethane	Ave	3.139	3.390		10.8	10.0	8.0	30.0
n-Pentane	Ave	2.411	2.319		9.61	10.0	-3.8	30.0
Ethanol	Ave	0.7445	0.6659		13.4	15.0	-10.6	30.0
Ethyl ether	Ave	0.8853	0.8934		10.1	10.0	0.9	30.0
Acrolein	Ave	0.5223	0.4806		10.8	11.7	-8.0	30.0
1,1-Dichloroethene	Ave	1.234	1.333		10.8	10.0	8.1	30.0
Freon TF	Ave	2.781	2.830		10.2	10.0	1.8	30.0
Acetone	Ave	1.843	1.800		9.76	10.0	-2.3	30.0
Carbon disulfide	Ave	4.055	3.718		9.17	10.0	-8.3	30.0
Isopropyl alcohol	Ave	2.047	1.862		10.5	11.6	-9.0	30.0
Acetonitrile	Ave	0.9599	0.8795		9.16	10.0	-8.4	30.0
3-Chloropropene	Ave	1.446	1.383		9.56	10.0	-4.4	30.0
Methylene Chloride	Ave	1.372	1.304		9.50	10.0	-4.9	30.0
tert-Butyl alcohol	Ave	2.496	2.274		9.11	10.0	-8.9	30.0
Acrylonitrile	Ave	0.8621	0.8031		9.31	10.0	-6.8	30.0
trans-1,2-Dichloroethene	Ave	1.584	1.643		10.4	10.0	3.7	30.0
Methyl tert-butyl ether	Ave	3.275	3.338		10.2	10.0	1.9	30.0
n-Hexane	Ave	1.714	1.653		9.64	10.0	-3.6	30.0
1,1-Dichloroethane	Ave	2.059	2.107		10.2	10.0	2.3	30.0
Vinyl acetate	Ave	2.459	2.273		10.5	11.4	-7.6	30.0
Methyl Ethyl Ketone	Ave	0.7084	0.5867		8.28	10.0	-17.2	30.0
cis-1,2-Dichloroethene	Ave	1.266	1.327		10.5	10.0	4.8	30.0
Ethyl acetate	Ave	0.1086	0.1037		9.55	10.0	-4.5	30.0
Tetrahydrofuran	Ave	0.2638	0.2440		9.25	10.0	-7.5	30.0
Chloroform	Ave	2.490	2.573		10.3	10.0	3.3	30.0
1,1,1-Trichloroethane	Ave	0.5333	0.5522		10.4	10.0	3.5	30.0
Cyclohexane	Ave	0.3373	0.3279		9.72	10.0	-2.8	30.0
Carbon tetrachloride	Ave	0.5459	0.5970		10.9	10.0	9.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Lab Sample ID: CCVIS 200-214931/3 Calibration Date: 04/08/2025 09:21

Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07

Lab File ID: 64608-03.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	0.8158	0.7733		9.48	10.0	-5.2	30.0
1,2-Dichloroethane	Ave	0.3245	0.3377		10.4	10.0	4.1	30.0
2,2,4-Trimethylpentane	Ave	1.177	1.134		9.63	10.0	-3.7	30.0
n-Heptane	Ave	0.3990	0.3967		9.94	10.0	-0.6	30.0
n-Butanol	Ave	0.1988	0.1702		8.56	10.0	-14.4	30.0
Trichloroethene	Ave	0.3490	0.3607		10.3	10.0	3.3	30.0
1,2-Dichloropropane	Ave	0.2981	0.2861		9.60	10.0	-4.0	30.0
Methyl methacrylate	Ave	0.2813	0.2684		9.54	10.0	-4.6	30.0
Dibromomethane	Ave	0.3831	0.4024		10.5	10.0	5.0	30.0
1,4-Dioxane	Ave	0.1689	0.1697		10.0	10.0	0.5	30.0
Bromodichloromethane	Ave	0.5664	0.5912		10.4	10.0	4.4	30.0
cis-1,3-Dichloropropene	Ave	0.5042	0.4981		9.88	10.0	-1.2	30.0
Methyl isobutyl ketone	Ave	0.5684	0.5218		9.18	10.0	-8.2	30.0
Toluene	Ave	0.8245	0.6239		7.57	10.0	-24.3	30.0
n-Octane	Ave	0.5374	0.5702		10.6	10.0	6.1	30.0
trans-1,3-Dichloropropene	Ave	0.3961	0.4139		10.4	10.0	4.5	30.0
1,1,2-Trichloroethane	Ave	0.4224	0.3126		7.40	10.0	-26.0	30.0
Tetrachloroethene	Ave	0.7568	0.6163		8.14	10.0	-18.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7313	0.5120		7.00	10.0	-30.0	30.0
Dibromochloromethane	Ave	0.9180	0.7439		8.10	10.0	-19.0	30.0
1,2-Dibromoethane	Ave	0.7928	0.6248		7.88	10.0	-21.2	30.0
Chlorobenzene	Ave	1.211	0.9228		7.62	10.0	-23.8	30.0
Ethylbenzene	Ave	1.850	1.422		7.69	10.0	-23.1	30.0
m,p-Xylene	Ave	0.7225	0.5771		16.0	20.0	-20.1	30.0
n-Nonane	Ave	0.7605	0.6525		8.58	10.0	-14.2	30.0
Xylene, o-	Ave	0.6903	0.5529		8.01	10.0	-19.9	30.0
Styrene	Ave	1.084	0.8983		8.29	10.0	-17.1	30.0
Bromoform	Ave	0.9563	0.8066		8.43	10.0	-15.7	30.0
Cumene	Ave	2.099	1.721		8.20	10.0	-18.0	30.0
1,1,2,2-Tetrachloroethane	Ave	1.153	0.8836		7.67	10.0	-23.3	30.0
1,2,3-Trichloropropane	Ave	0.8805	0.6766		7.68	10.0	-23.2	30.0
n-Propylbenzene	Ave	2.557	2.066		8.08	10.0	-19.2	30.0
2-Chlorotoluene	Ave	1.589	1.283		8.07	10.0	-19.3	30.0
4-Ethyltoluene	Ave	2.105	1.740		8.26	10.0	-17.4	30.0
1,3,5-Trimethylbenzene	Ave	1.798	1.490		8.28	10.0	-17.1	30.0
n-Decane	Ave	1.102	0.9101		8.26	10.0	-17.4	30.0
Alpha Methyl Styrene	Ave	0.9134	0.7789		8.53	10.0	-14.7	30.0
tert-Butylbenzene	Ave	1.822	1.518		8.33	10.0	-16.7	30.0
1,2,4-Trimethylbenzene	Ave	1.816	1.528		8.41	10.0	-15.9	30.0
sec-Butylbenzene	Ave	2.746	2.295		8.36	10.0	-16.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77589-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-214931/3 Calibration Date: 04/08/2025 09:21
 Instrument ID: CHX.i Calib Start Date: 03/20/2025 17:02
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/21/2025 09:07
 Lab File ID: 64608-03.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	1.321	1.108		8.39	10.0	-16.1	30.0
4-Isopropyltoluene	Ave	2.373	2.027		8.54	10.0	-14.6	30.0
1,4-Dichlorobenzene	Ave	1.287	1.083		8.41	10.0	-15.8	30.0
Benzyl chloride	Ave	1.488	1.281		8.61	10.0	-13.9	30.0
n-Butylbenzene	Ave	2.117	1.854		8.76	10.0	-12.4	30.0
1,2-Dichlorobenzene	Ave	1.303	1.099		8.43	10.0	-15.7	30.0
n-Undecane	Ave	1.364	1.081		7.92	10.0	-20.8	30.0
n-Dodecane	Ave	1.346	0.9167		6.81	10.0	-31.9*	30.0
1,2,4-Trichlorobenzene	Ave	0.9664	0.7912		9.60	11.7	-18.1	30.0
Hexachlorobutadiene	Ave	1.153	0.9834		9.58	11.2	-14.7	30.0
Naphthalene	Ave	1.967	1.499		9.06	11.9	-23.8	30.0
1,2,3-Trichlorobenzene	Ave	1.006	0.7951		9.21	11.6	-20.9	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-03.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 08-Apr-2025 09:21:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064608-003
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 09-Apr-2025 11:49:49 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1708

First Level Reviewer: YWL8

Date: 09-Apr-2025 11:49:49

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	4.227	4.227	0.000	98	78823	10.0	12.6	
3 Dichlorodifluoromethane	85	4.318	4.318	0.000	99	230866	10.0	11.5	
4 Chlorodifluoromethane	51	4.361	4.361	0.000	97	145803	10.0	11.7	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.671	4.671	0.000	99	256172	10.0	12.1	
6 Chloromethane	50	4.783	4.783	0.000	99	89501	10.0	11.4	
7 Vinyl chloride	62	5.088	5.088	0.000	98	85388	10.0	11.7	
8 Butane	43	5.094	5.094	0.000	99	121752	10.0	11.4	
9 Butadiene	54	5.201	5.201	0.000	96	60951	10.0	12.5	
11 BFB									
10 Bromomethane	94	5.901	5.901	0.000	99	63076	10.0	11.3	
12 Chloroethane	64	6.169	6.169	0.000	100	35017	10.0	10.4	
13 2-Methylbutane	43	6.372	6.372	0.000	93	83086	10.0	9.93	
14 Vinyl bromide	106	6.586	6.586	0.000	99	69426	10.0	10.5	
15 Trichlorofluoromethane	101	6.747	6.747	0.000	98	174811	10.0	10.8	
16 Pentane	43	6.950	6.950	0.000	98	119596	10.0	9.61	
17 Ethanol	45	7.169	7.169	0.000	99	51534	15.0	13.4	
18 Ethyl ether	59	7.378	7.378	0.000	96	46074	10.0	10.1	
19 Acrolein	56	7.613	7.613	0.000	96	29022	11.7	10.8	
20 1,1-Dichloroethene	96	7.801	7.801	0.000	98	68762	10.0	10.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.838	7.838	0.000	98	145953	10.0	10.2	
22 Acetone	43	7.902	7.902	0.000	97	92839	10.0	9.76	
24 Carbon disulfide	76	8.196	8.196	0.000	99	191755	10.0	9.17	
23 Isopropyl alcohol	45	8.229	8.229	0.000	100	111314	11.6	10.5	
25 Acetonitrile	41	8.389	8.389	0.000	99	45360	10.0	9.16	
27 3-Chloro-1-propene	41	8.485	8.485	0.000	97	71323	10.0	9.56	
28 Methylene Chloride	49	8.715	8.715	0.000	92	67251	10.0	9.50	
29 2-Methyl-2-propanol	59	9.015	9.015	0.000	94	117250	10.0	9.11	
30 Acrylonitrile	53	9.122	9.122	0.000	94	41419	10.0	9.31	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	98	84722	10.0	10.4	
31 Methyl tert-butyl ether	73	9.245	9.245	0.000	97	172171	10.0	10.2	
S 33 1,2-Dichloroethene, Total	61				0		20.0	20.8	

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	9.716	9.716	0.000	93	85264	10.0	9.64	
36 1,1-Dichloroethane	63	9.967	9.967	0.000	100	108657	10.0	10.2	
35 Vinyl acetate	43	9.983	9.983	0.000	99	133504	11.4	10.5	
37 2-Butanone (MEK)	72	10.941	10.941	0.000	99	30259	10.0	8.28	
38 cis-1,2-Dichloroethene	96	10.952	10.952	0.000	91	68437	10.0	10.5	
39 Ethyl acetate	88	11.026	11.026	0.000	99	5349	10.0	9.55	
* 40 Chlorobromomethane	128	11.358	11.358	0.000	82	51582	10.0	10.0	
41 Tetrahydrofuran	42	11.428	11.428	0.000	90	60774	10.0	9.25	
42 Chloroform	83	11.535	11.535	0.000	96	132700	10.0	10.3	
43 1,1,1-Trichloroethane	97	11.840	11.840	0.000	95	137550	10.0	10.4	
44 Cyclohexane	84	11.973	11.973	0.000	97	81667	10.0	9.72	
45 Carbon tetrachloride	117	12.118	12.118	0.000	98	148698	10.0	10.9	
46 Benzene	78	12.455	12.455	0.000	95	192613	10.0	9.48	
47 1,2-Dichloroethane	62	12.524	12.524	0.000	98	84129	10.0	10.4	
48 Isooctane	57	12.674	12.674	0.000	99	282443	10.0	9.63	
49 n-Heptane	43	12.979	12.979	0.000	90	98804	10.0	9.94	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	249136	10.0	10.0	
51 n-Butanol	56	13.466	13.466	0.000	88	42388	10.0	8.56	
52 Trichloroethene	95	13.616	13.616	0.000	98	89843	10.0	10.3	
A 53 GRO	1	14.025	(6.362-21.688)		0	29137273	649.9	0	
55 1,2-Dichloropropane	63	14.065	14.065	0.000	91	71270	10.0	9.60	
56 Methyl methacrylate	69	14.167	14.167	0.000	99	66847	10.0	9.54	
58 Dibromomethane	174	14.220	14.220	0.000	93	100231	10.0	10.5	
57 1,4-Dioxane	88	14.268	14.268	0.000	92	42262	10.0	10.0	
59 Dichlorobromomethane	83	14.531	14.531	0.000	98	147262	10.0	10.4	
60 cis-1,3-Dichloropropene	75	15.328	15.328	0.000	91	124071	10.0	9.88	
A 61 TVOC as Toluene	92	15.365	(4.217-26.513)		0	49093417	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.617	15.617	0.000	96	129982	10.0	9.18	
63 Toluene	92	15.964	15.964	0.000	93	144010	10.0	7.57	
A 64 Toluene Range	1	15.970	(15.905-16.034)		0	563156	NC	NC	
66 n-Octane	43	16.216	16.216	0.000	91	142042	10.0	10.6	
A 65 C8 Range	1	16.226	(16.151-16.301)		0	570468	NC	NC	
67 trans-1,3-Dichloropropene	75	16.376	16.376	0.000	96	103098	10.0	10.4	
68 1,1,2-Trichloroethane	83	16.751	16.751	0.000	97	72162	10.0	7.40	
69 Tetrachloroethene	166	16.954	16.954	0.000	97	142265	10.0	8.14	
70 2-Hexanone	43	17.200	17.200	0.000	96	118180	10.0	7.00	
71 Chlorodibromomethane	129	17.484	17.484	0.000	98	171707	10.0	8.10	
72 Ethylene Dibromide	107	17.719	17.719	0.000	98	144233	10.0	7.88	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	230876	10.0	10.0	
74 Chlorobenzene	112	18.693	18.693	0.000	96	213022	10.0	7.62	
75 Ethylbenzene	91	18.880	18.880	0.000	98	328222	10.0	7.69	
76 m-Xylene & p-Xylene	106	19.142	19.142	0.000	0	266418	20.0	16.0	
77 n-Nonane	57	19.212	19.212	0.000	87	150627	10.0	8.58	
S 78 Xylenes, Total	106				0		30.0	24.0	
79 o-Xylene	106	19.912	19.912	0.000	99	127627	10.0	8.01	
80 Styrene	104	19.950	19.950	0.000	97	207346	10.0	8.29	
81 Bromoform	173	20.298	20.298	0.000	98	186193	10.0	8.43	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	397261	10.0	8.20	
83 1,1,2,2-Tetrachloroethane	83	21.148	21.148	0.000	99	203965	10.0	7.67	
84 1,2,3-Trichloropropane	75	21.244	21.244	0.000	98	156182	10.0	7.68	
85 N-Propylbenzene	91	21.346	21.346	0.000	100	476803	10.0	8.08	
86 2-Chlorotoluene	91	21.496	21.496	0.000	96	296139	10.0	8.07	

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	21.549	21.549	0.000	98	401552	10.0	8.26	
88 1,3,5-Trimethylbenzene	105	21.640	21.640	0.000	94	343975	10.0	8.28	
89 n-Decane	57	21.678	21.678	0.000	92	210068	10.0	8.26	
90 Alpha Methyl Styrene	118	21.972	21.972	0.000	90	179785	10.0	8.53	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	350452	10.0	8.33	
92 1,2,4-Trimethylbenzene	105	22.213	22.213	0.000	97	352616	10.0	8.41	
93 sec-Butylbenzene	105	22.453	22.453	0.000	99	529784	10.0	8.36	
94 1,3-Dichlorobenzene	146	22.625	22.625	0.000	96	255784	10.0	8.39	
95 4-Isopropyltoluene	119	22.667	22.667	0.000	98	467944	10.0	8.54	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	97	250091	10.0	8.41	
97 Benzyl chloride	91	22.914	22.914	0.000	100	295683	10.0	8.61	
98 n-Butylbenzene	91	23.218	23.218	0.000	98	427934	10.0	8.76	
99 1,2-Dichlorobenzene	146	23.251	23.251	0.000	98	253620	10.0	8.43	
100 Undecane	57	23.368	23.368	0.000	94	249558	10.0	7.92	
101 Dodecane	57	24.914	24.914	0.000	98	211593	10.0	6.81	
102 1,2,4-Trichlorobenzene	180	25.637	25.637	0.000	93	214221	11.7	9.60	
103 Hexachlorobutadiene	225	25.877	25.877	0.000	96	255149	11.2	9.58	
104 Naphthalene	128	26.097	26.097	0.000	99	411537	11.9	9.06	
105 1,2,3-Trichlorobenzene	180	26.503	26.503	0.000	95	213815	11.6	9.21	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00833

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\20250408-64608.b\64608-03.D

Injection Date: 08-Apr-2025 09:21:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ccvis

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 2

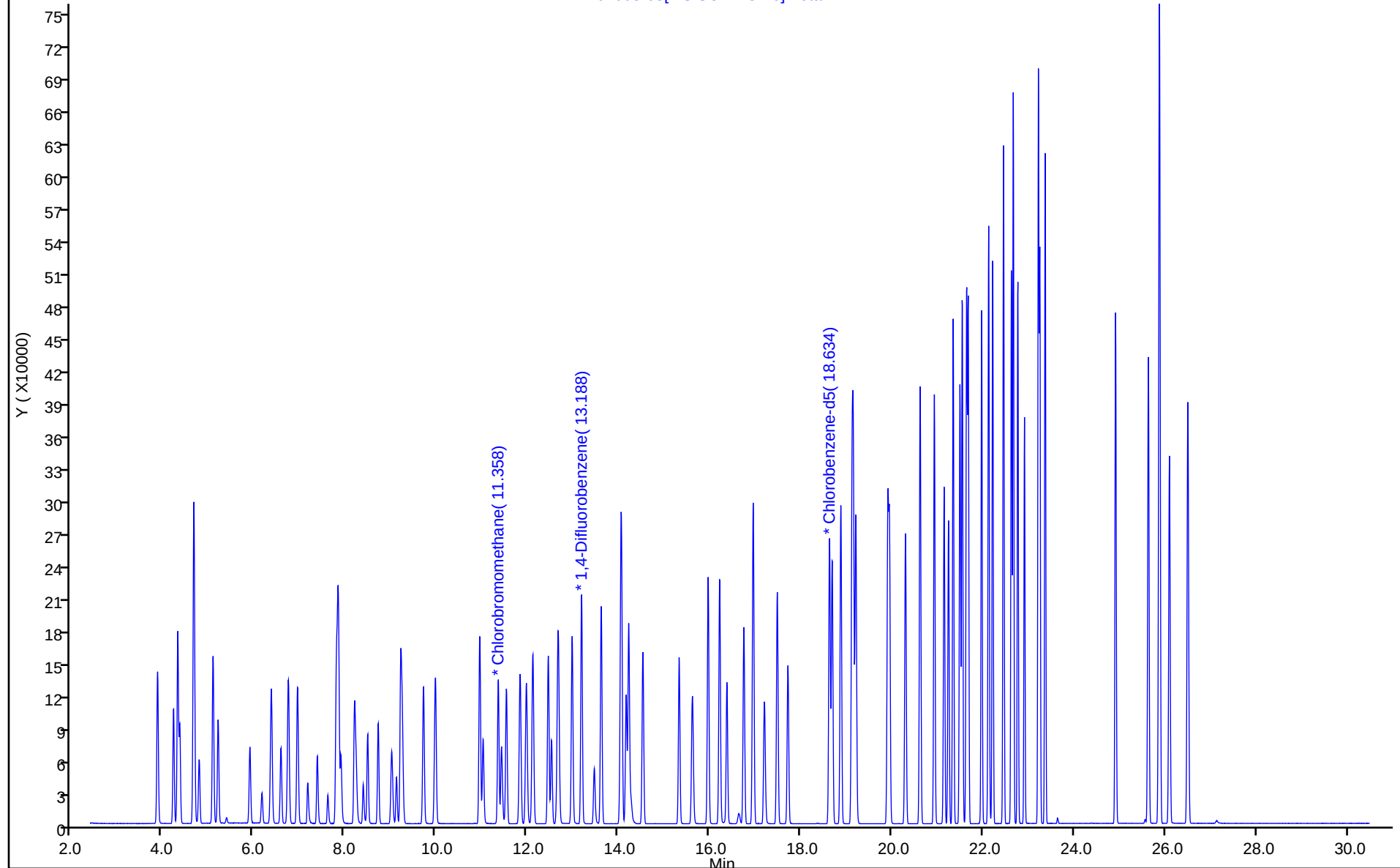
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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

64608-03[MS SCAN Chro]:Total



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 20-Mar-2025 14:06:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0064366-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHX.i
Method: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Mar-2025 07:37:10 Calib Date: 21-Mar-2025 02:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-14.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1705

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	11.364				10.0	ND
* 50 1,4-Difluorobenzene	114	13.188				10.0	ND
* 73 Chlorobenzene-d5	117	18.634				10.0	ND

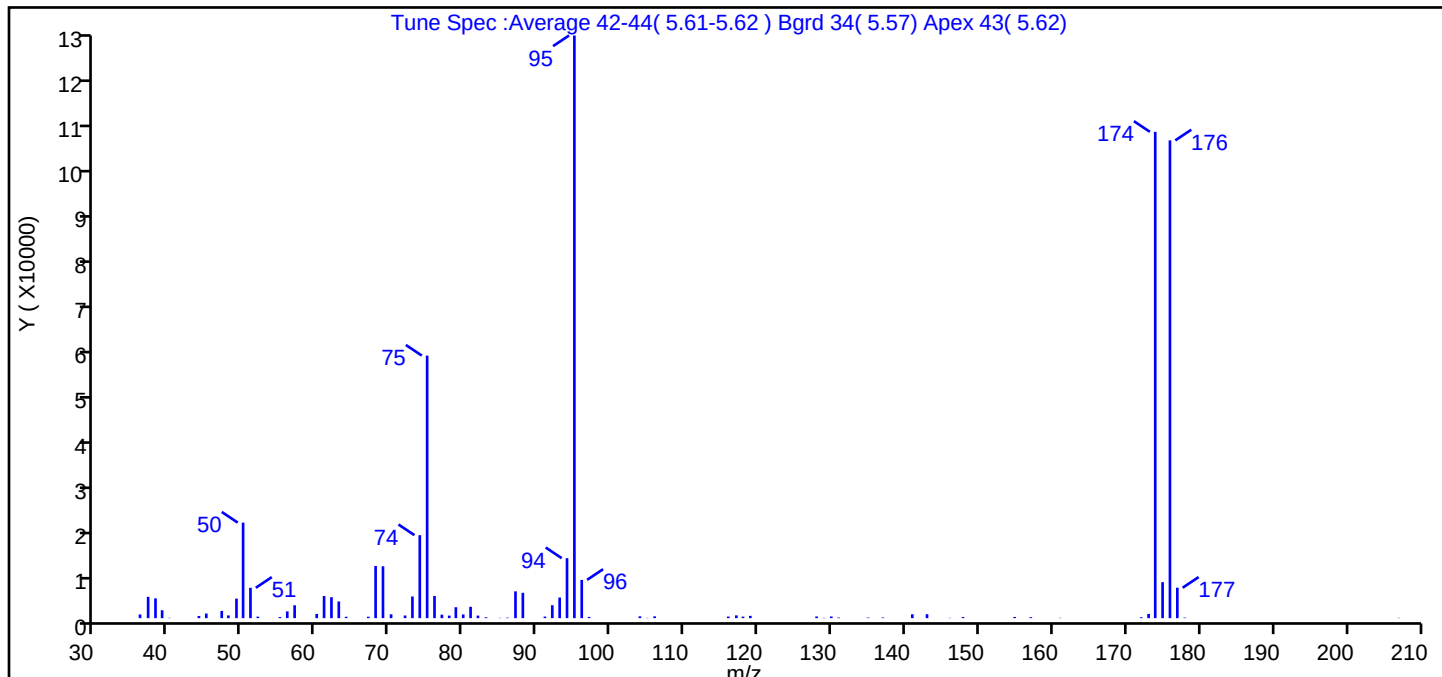
Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-01.D
Injection Date: 20-Mar-2025 14:06:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: wrd 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	16.4
75	30.0 to 66.0 Percent of m/e 95	45.1
96	5.0 to 9.0 Percent of m/e 95	6.6
173	Less than 2.0 Percent of m/e 174	0.7 (0.9)
174	50.0 to 120.0 Percent of m/e 95	83.5
175	4.0 to 9.0 Percent of m/e 174	6.2 (7.4)
176	93.0 to 101.0 Percent of m/e 174	82.0 (98.2)
177	5.0 to 9.0 Percent of m/e 176	5.2 (6.4)

Data File: \\chromfs\Burlington\ChromData\CHX.\\20250320-64366.b\64366-01.D\TO15_MasterMethod_X.m.rsl\tspe
Injection Date: 20-Mar-2025 14:06:30
Spectrum: Tune Spec :Average 42-44(5.61-5.62) Bgrd 34(5.57) Apex 43(5.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	772	63.00	3467	86.00	106	130.00	340
37.00	4441	64.00	287	87.00	5579	131.00	130
38.00	4115	67.00	294	88.00	5265	135.00	116
39.00	1643	68.00	10859	91.00	327	137.00	133
40.00	66	69.00	10797	92.00	2690	141.00	806
44.00	450	70.00	804	93.00	4291	143.00	824
45.00	953	72.00	552	94.00	12482	146.00	59
47.00	1501	73.00	4505	95.00	121264	148.00	228
48.00	566	74.00	17272	96.00	7963	155.00	246
49.00	4063	75.00	54640	97.00	253	157.00	203
50.00	19880	76.00	4623	104.00	378	161.00	59
51.00	6317	77.00	722	105.00	51	172.00	186
52.00	309	78.00	530	106.00	375	173.00	881
55.00	234	79.00	2273	116.00	330	174.00	101208
56.00	1406	80.00	770	117.00	577	175.00	7490
57.00	2676	81.00	2365	118.00	321	176.00	99432
60.00	878	82.00	530	119.00	479	177.00	6329
61.00	4602	83.00	184	128.00	349	178.00	115
62.00	4358	85.00	57	129.00	58	207.00	58

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-01.D

Injection Date: 20-Mar-2025 14:06:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

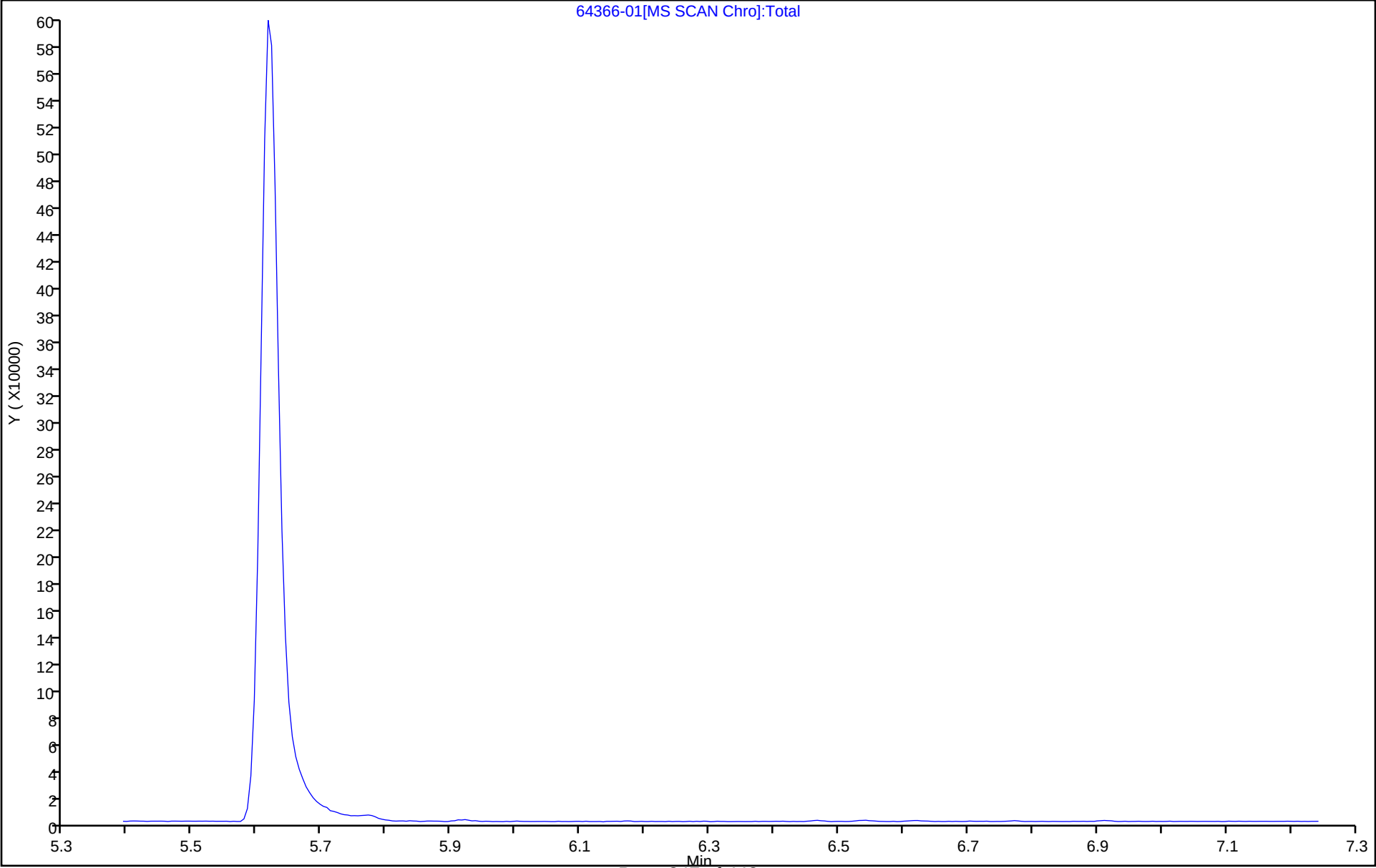
ALS Bottle#: 1

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\20250407-64586.b\64586-01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 07-Apr-2025 06:49:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0064586-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHX.i
Method: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Apr-2025 09:19:56 Calib Date: 21-Mar-2025 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: YWL8

Date: 08-Apr-2025 09:19:56

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	11.353					10.0	ND
* 50 1,4-Difluorobenzene	114	13.183					10.0	ND
* 73 Chlorobenzene-d5	117	18.629					10.0	ND

QC Flag Legend

Processing Flags

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

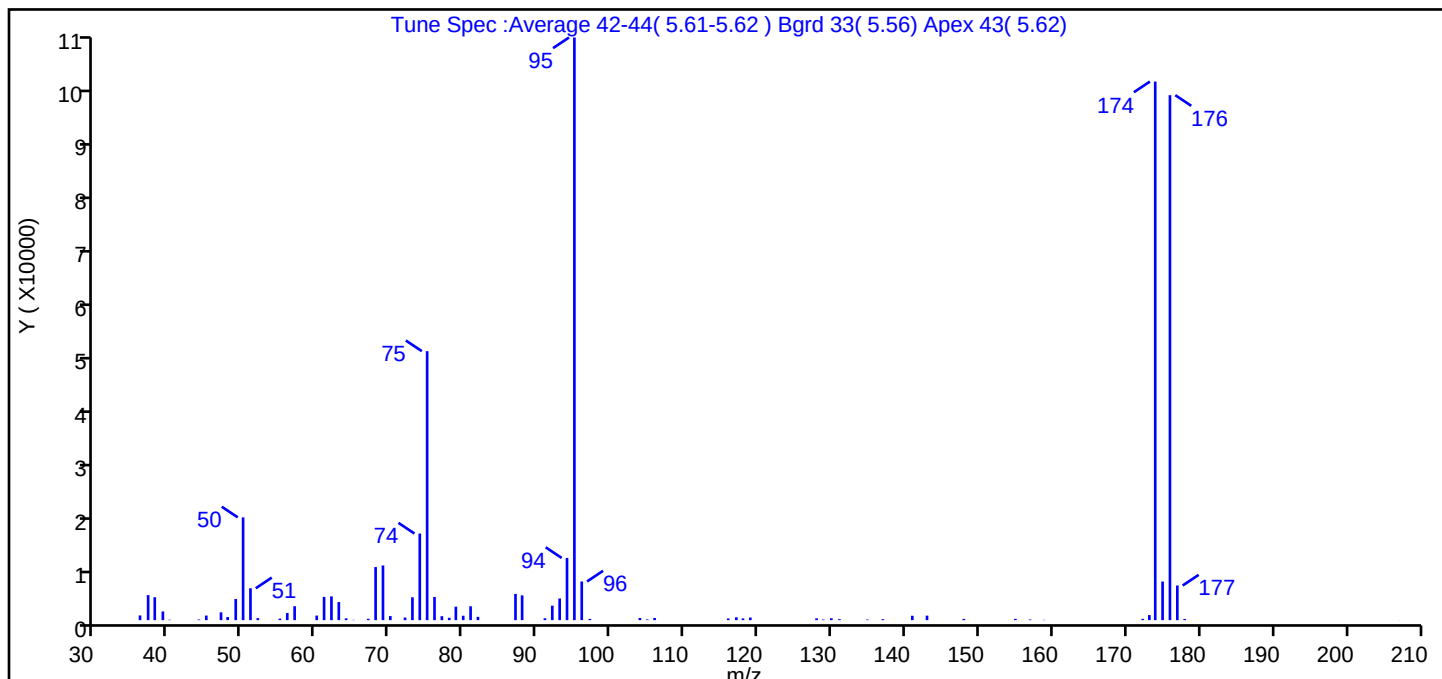
Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-01.D
Injection Date: 07-Apr-2025 06:49:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: wrd 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	17.6
75	30.0 to 66.0 Percent of m/e 95	46.2
96	5.0 to 9.0 Percent of m/e 95	6.6
173	Less than 2.0 Percent of m/e 174	0.9 (0.9)
174	50.0 to 120.0 Percent of m/e 95	92.4
175	4.0 to 9.0 Percent of m/e 174	6.6 (7.2)
176	93.0 to 101.0 Percent of m/e 174	90.1 (97.5)
177	5.0 to 9.0 Percent of m/e 176	5.9 (6.6)

Data File: \\chromfs\Burlington\ChromData\CHX.\\20250407-64586.b\64586-01.D\TO15_MasterMethod_X.m.rsl\tspe

Injection Date: 07-Apr-2025 06:49:30

Spectrum: Tune Spec :Average 42-44(5.61-5.62) Bgrd 33(5.56) Apex 43(5.62)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	814	63.00	3135	88.00	4298	135.00	105
37.00	4344	64.00	314	91.00	329	137.00	170
38.00	3979	65.00	50	92.00	2506	141.00	761
39.00	1509	67.00	237	93.00	3756	143.00	782
40.00	71	68.00	9209	94.00	10783	148.00	214
44.00	113	69.00	9483	95.00	101064	155.00	224
45.00	798	70.00	705	96.00	6707	157.00	116
47.00	1353	72.00	453	97.00	217	159.00	50
48.00	541	73.00	3970	104.00	377	172.00	220
49.00	3663	74.00	15021	105.00	121	173.00	875
50.00	17824	75.00	46656	106.00	376	174.00	93416
51.00	5531	76.00	4025	116.00	292	175.00	6695
52.00	350	77.00	684	117.00	499	176.00	91056
55.00	260	78.00	406	118.00	300	177.00	6005
56.00	1245	79.00	2338	119.00	446	178.00	207
57.00	2416	80.00	766	128.00	318	207.00	12
60.00	794	81.00	2409	129.00	112		
61.00	4031	82.00	575	130.00	327		
62.00	4123	87.00	4547	131.00	168		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-01.D

Injection Date: 07-Apr-2025 06:49:30 Instrument ID: CHX.i Operator ID: wrd

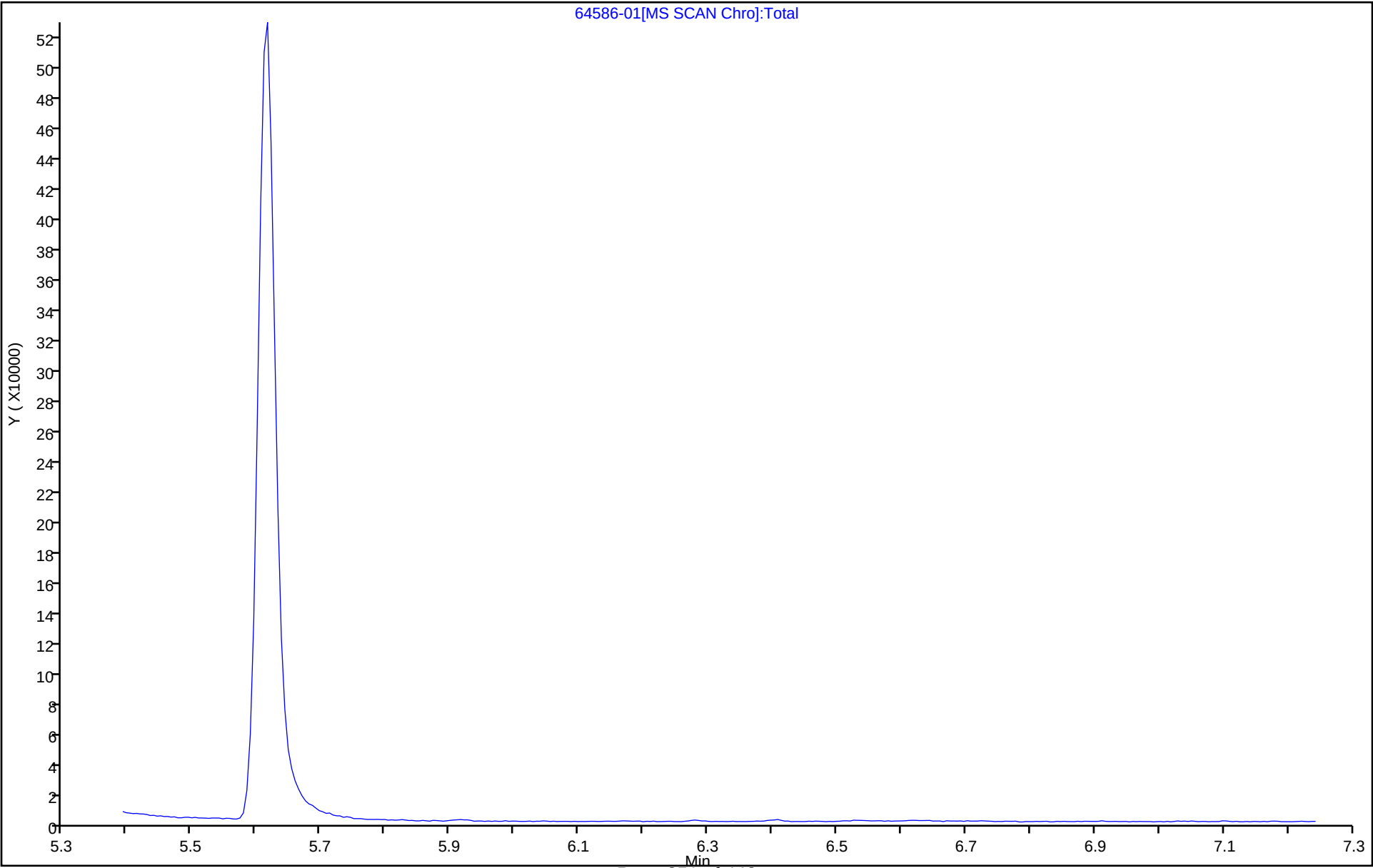
Lims ID: bfb Worklist Smp#: 1

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\20250408-64608.b\64608-01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 08-Apr-2025 07:23:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0064608-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHX.i
Method: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 09-Apr-2025 11:46:55 Calib Date: 21-Mar-2025 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1708

First Level Reviewer: YWL8

Date: 09-Apr-2025 11:46:55

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	11.358					10.0	ND
* 50 1,4-Difluorobenzene	114	13.188					10.0	ND
* 73 Chlorobenzene-d5	117	18.634					10.0	ND

QC Flag Legend

Processing Flags

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

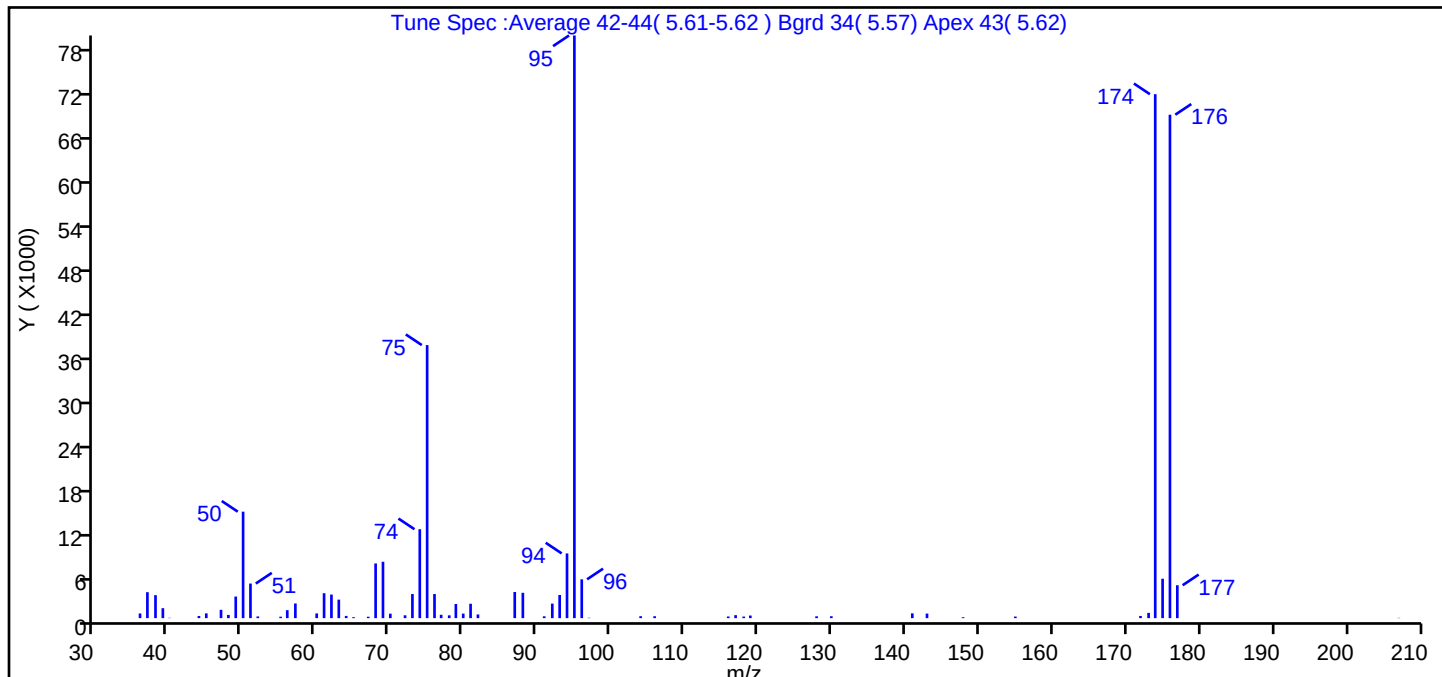
Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-01.D
Injection Date: 08-Apr-2025 07:23:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: wrd 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	18.3
75	30.0 to 66.0 Percent of m/e 95	46.9
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.9 (1.0)
174	50.0 to 120.0 Percent of m/e 95	89.9
175	4.0 to 9.0 Percent of m/e 174	6.8 (7.5)
176	93.0 to 101.0 Percent of m/e 174	86.4 (96.1)
177	5.0 to 9.0 Percent of m/e 176	5.6 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHX.\\20250408-64608.b\64608-01.D\TO15_MasterMethod_X.m.rsl\tspe

Injection Date: 08-Apr-2025 07:23:30

Spectrum: Tune Spec :Average 42-44(5.61-5.62) Bgrd 34(5.57) Apex 43(5.62)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	643	61.00	3422	80.00	626	119.00	357
37.00	3559	62.00	3236	81.00	1972	128.00	255
38.00	3158	63.00	2540	82.00	506	130.00	262
39.00	1367	64.00	306	87.00	3587	141.00	659
40.00	45	65.00	132	88.00	3478	143.00	625
44.00	297	67.00	193	91.00	253	148.00	127
45.00	654	68.00	7504	92.00	1996	155.00	218
47.00	1143	69.00	7736	93.00	3177	172.00	301
48.00	442	70.00	612	94.00	8880	173.00	720
49.00	2961	72.00	389	95.00	79944	174.00	71888
50.00	14608	73.00	3308	96.00	5325	175.00	5409
51.00	4747	74.00	12201	97.00	52	176.00	69072
52.00	234	75.00	37464	104.00	266	177.00	4515
55.00	198	76.00	3306	106.00	262	207.00	43
56.00	1096	77.00	460	116.00	229		
57.00	2012	78.00	386	117.00	411		
60.00	647	79.00	1936	118.00	218		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-01.D

Injection Date: 08-Apr-2025 07:23:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

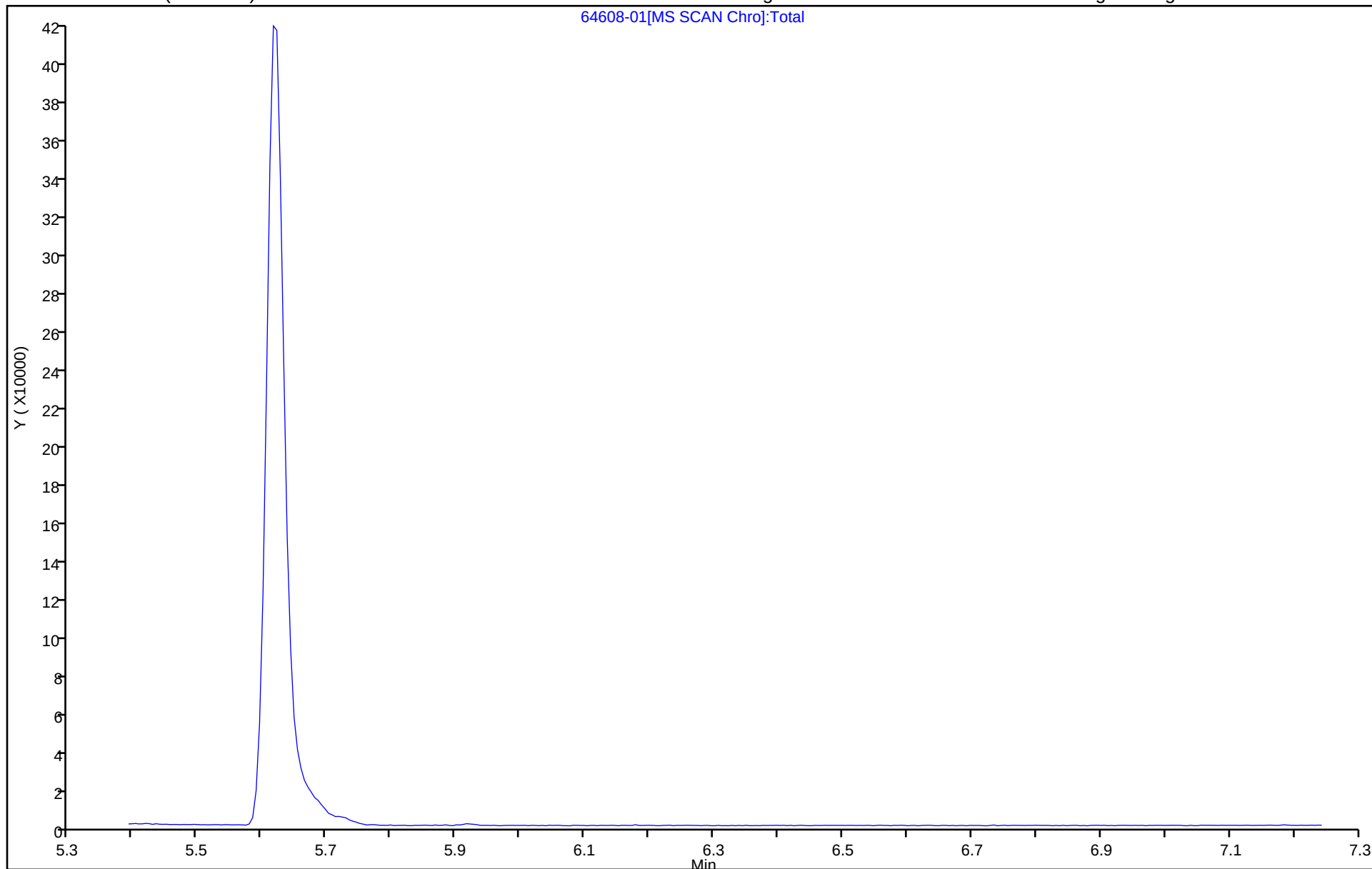
ALS Bottle#: 1

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.: 200-77589-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-214887/7
Matrix: Air Lab File ID: 64586-07.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/07/2025 12:44
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.: 214887 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.029
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.036

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-214887/7
Matrix: Air Lab File ID: 64586-07.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/07/2025 12:44
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.: 214887 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.16
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.24

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-07.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 07-Apr-2025 12:44:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064586-007
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 08-Apr-2025 09:37:39 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1720

First Level Reviewer: YWL8

Date: 08-Apr-2025 09:37:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.216					ND	
3 Dichlorodifluoromethane	85		4.307					ND	
4 Chlorodifluoromethane	51		4.350					ND	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.660					ND	
6 Chloromethane	50		4.778					ND	
7 Vinyl chloride	62		5.083					ND	
8 Butane	43		5.083					ND	
9 Butadiene	54		5.195					ND	
10 Bromomethane	94		5.891					ND	
12 Chloroethane	64		6.158					ND	
13 2-Methylbutane	43		6.362					ND	
14 Vinyl bromide	106		6.576					ND	
15 Trichlorofluoromethane	101		6.736					ND	
16 Pentane	43		6.939					ND	
17 Ethanol	45	7.212	7.212	0.043	16	889		0.1956	M
18 Ethyl ether	59		7.378					ND	
19 Acrolein	56		7.608					ND	
20 1,1-Dichloroethene	96		7.795					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.833					ND	
22 Acetone	43		7.897					ND	
24 Carbon disulfide	76	8.202	8.191	0.011	99	3246		0.1311	
23 Isopropyl alcohol	45	8.282	8.229	0.053	94	1425		0.1141	
25 Acetonitrile	41		8.389					ND	
27 3-Chloro-1-propene	41		8.486					ND	
28 Methylene Chloride	49		8.716					ND	
29 2-Methyl-2-propanol	59		9.004					ND	
30 Acrylonitrile	53		9.122					ND	
32 trans-1,2-Dichloroethene	61		9.208					ND	
31 Methyl tert-butyl ether	73		9.240					ND	
S 33 1,2-Dichloroethene, Total	61		9.665					ND	7
34 Hexane	57		9.711					ND	
36 1,1-Dichloroethane	63		9.962					ND	

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		9.978					ND	
37 2-Butanone (MEK)	72		10.941					ND	
38 cis-1,2-Dichloroethene	96		10.952					ND	
39 Ethyl acetate	88		11.021					ND	
* 40 Chlorobromomethane	128	11.353	11.353	0.000	81	61043	10.0	10.0	
41 Tetrahydrofuran	42		11.422					ND	
42 Chloroform	83		11.535					ND	
43 1,1,1-Trichloroethane	97		11.834					ND	
44 Cyclohexane	84		11.968					ND	
45 Carbon tetrachloride	117		12.113					ND	
46 Benzene	78		12.455					ND	
47 1,2-Dichloroethane	62		12.525					ND	
48 Isooctane	57		12.669					ND	
49 n-Heptane	43		12.974					ND	
* 50 1,4-Difluorobenzene	114	13.188	13.183	0.005	93	291220	10.0	10.0	
51 n-Butanol	56		13.461					ND	
52 Trichloroethene	95		13.616					ND	
A 53 GRO	1	14.020	(6.352-21.688)		0	936153		0	
55 1,2-Dichloropropane	63		14.060					ND	
56 Methyl methacrylate	69		14.162					ND	
58 Dibromomethane	174		14.220					ND	
57 1,4-Dioxane	88		14.247					ND	
59 Dichlorobromomethane	83		14.531					ND	
60 cis-1,3-Dichloropropene	75		15.328					ND	
A 61 TVOC as Toluene	92	15.357	(4.206-26.508)		0	983984		0	
62 4-Methyl-2-pentanone (MIBK)	43		15.611					ND	
63 Toluene	92		15.964					ND	
A 64 Toluene Range	1	15.970	(15.906-16.034)		0	1549		NC	
66 n-Octane	43		16.216					ND	
A 65 C8 Range	1	16.253	(16.152-16.355)		0	1549		NC	
67 trans-1,3-Dichloropropene	75		16.376					ND	
68 1,1,2-Trichloroethane	83		16.751					ND	
69 Tetrachloroethene	166		16.954					ND	
70 2-Hexanone	43		17.189					ND	
71 Chlorodibromomethane	129		17.484					ND	
72 Ethylene Dibromide	107		17.719					ND	
* 73 Chlorobenzene-d5	117	18.629	18.629	0.000	84	262538	10.0	10.0	
74 Chlorobenzene	112		18.687					ND	
75 Ethylbenzene	91		18.880					ND	7
76 m-Xylene & p-Xylene	106		19.142					ND	
77 n-Nonane	57		19.206					ND	
S 78 Xylenes, Total	106		19.600					ND	7
79 o-Xylene	106		19.912					ND	
80 Styrene	104		19.945					ND	
81 Bromoform	173		20.298					ND	
82 Isopropylbenzene	105		20.624					ND	
83 1,1,2,2-Tetrachloroethane	83		21.148					ND	
84 1,2,3-Trichloropropane	75		21.245					ND	
85 N-Propylbenzene	91		21.346					ND	7
86 2-Chlorotoluene	91		21.496					ND	7
87 4-Ethyltoluene	105		21.544					ND	7
88 1,3,5-Trimethylbenzene	105		21.640					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		21.678					ND	
90 Alpha Methyl Styrene	118		21.972					ND	
91 tert-Butylbenzene	119		22.127					ND	
92 1,2,4-Trimethylbenzene	105		22.213					ND	7
93 sec-Butylbenzene	105		22.454					ND	7
94 1,3-Dichlorobenzene	146	22.630	22.625	0.005	81	632		0.0182	
95 4-Isopropyltoluene	119		22.668					ND	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	93	850		0.0251	
97 Benzyl chloride	91		22.914					ND	MU
98 n-Butylbenzene	91		23.219					ND	7
99 1,2-Dichlorobenzene	146	23.251	23.251	0.000	82	599		0.0175	
100 Undecane	57		23.368					ND	
101 Dodecane	57		24.914					ND	
102 1,2,4-Trichlorobenzene	180	25.642	25.631	0.011	85	1292		0.0509	
103 Hexachlorobutadiene	225		25.877					ND	
104 Naphthalene	128	26.102	26.097	0.005	94	1778		0.0344	
105 1,2,3-Trichlorobenzene	180	26.503	26.498	0.005	83	1132		0.0429	
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\20250407-64586.b\64586-07.D

Injection Date: 07-Apr-2025 12:44:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

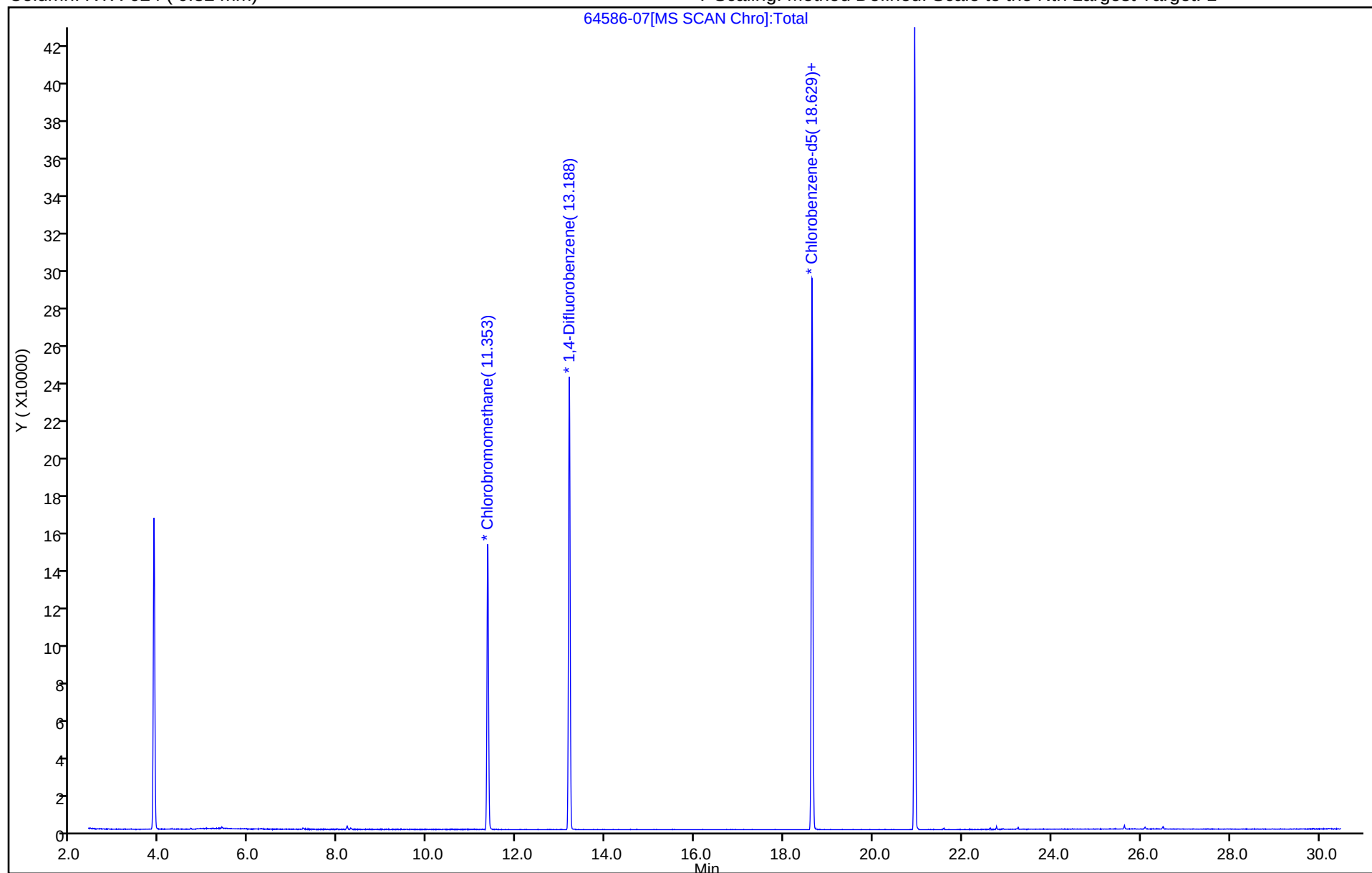
ALS Bottle#: 6

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



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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-214931/6
Matrix: Air Lab File ID: 64608-06.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 12:18
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.: 214931 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.029
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.036

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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-214931/6
Matrix: Air Lab File ID: 64608-06.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 12:18
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.: 214931 Units: ug/m3
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.16
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.24

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-06.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Apr-2025 12:18:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064608-006
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 09-Apr-2025 11:52:21 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1708

First Level Reviewer: YWL8

Date: 09-Apr-2025 11:52:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.227					ND	
3 Dichlorodifluoromethane	85		4.318					ND	
4 Chlorodifluoromethane	51		4.361					ND	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.671					ND	
6 Chloromethane	50		4.783					ND	
7 Vinyl chloride	62		5.088					ND	
8 Butane	43		5.094					ND	
9 Butadiene	54		5.201					ND	
10 Bromomethane	94		5.901					ND	
12 Chloroethane	64		6.169					ND	
13 2-Methylbutane	43		6.372					ND	
14 Vinyl bromide	106		6.586					ND	
15 Trichlorofluoromethane	101		6.747					ND	
16 Pentane	43		6.950					ND	
17 Ethanol	45		7.169					ND	MU
18 Ethyl ether	59		7.378					ND	
19 Acrolein	56		7.613					ND	
20 1,1-Dichloroethene	96		7.801					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.838					ND	
22 Acetone	43		7.902					ND	7
24 Carbon disulfide	76	8.197	8.196	0.000	96	1744		0.0802	
23 Isopropyl alcohol	45		8.229					ND	MU
25 Acetonitrile	41		8.389					ND	
27 3-Chloro-1-propene	41		8.485					ND	
28 Methylene Chloride	49		8.715					ND	
29 2-Methyl-2-propanol	59		9.015					ND	
30 Acrylonitrile	53		9.122					ND	
32 trans-1,2-Dichloroethene	61		9.213					ND	
31 Methyl tert-butyl ether	73		9.245					ND	
S 33 1,2-Dichloroethene, Total	61		9.665					ND	7
34 Hexane	57		9.716					ND	
36 1,1-Dichloroethane	63		9.967					ND	

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		9.983					ND	
37 2-Butanone (MEK)	72		10.941					ND	
38 cis-1,2-Dichloroethene	96		10.952					ND	
39 Ethyl acetate	88		11.026					ND	
* 40 Chlorobromomethane	128	11.353	11.358	-0.005	82	53652	10.0	10.0	
41 Tetrahydrofuran	42		11.428					ND	
42 Chloroform	83		11.535					ND	
43 1,1,1-Trichloroethane	97		11.840					ND	
44 Cyclohexane	84		11.973					ND	
45 Carbon tetrachloride	117		12.118					ND	
46 Benzene	78		12.455					ND	
47 1,2-Dichloroethane	62		12.524					ND	
48 Isooctane	57		12.674					ND	
49 n-Heptane	43		12.979					ND	
* 50 1,4-Difluorobenzene	114	13.182	13.188	-0.006	93	256199	10.0	10.0	
51 n-Butanol	56		13.466					ND	
52 Trichloroethene	95		13.616					ND	
A 53 GRO	1	14.025	(6.362-21.688)		0	819445		0	
55 1,2-Dichloropropane	63		14.065					ND	
56 Methyl methacrylate	69		14.167					ND	
58 Dibromomethane	174		14.220					ND	
57 1,4-Dioxane	88		14.268					ND	
59 Dichlorobromomethane	83		14.531					ND	
60 cis-1,3-Dichloropropene	75		15.328					ND	
A 61 TVOC as Toluene	92	15.365	(4.217-26.513)		0	865687		0	
62 4-Methyl-2-pentanone (MIBK)	43		15.617					ND	
63 Toluene	92		15.964					ND	
A 64 Toluene Range	1	15.970	(15.905-16.034)		0	2546		NC	
66 n-Octane	43		16.216					ND	
A 65 C8 Range	1	16.226	(16.151-16.301)		0	2546		NC	
67 trans-1,3-Dichloropropene	75		16.376					ND	
68 1,1,2-Trichloroethane	83		16.751					ND	
69 Tetrachloroethene	166		16.954					ND	
70 2-Hexanone	43		17.200					ND	
71 Chlorodibromomethane	129		17.484					ND	
72 Ethylene Dibromide	107		17.719					ND	
* 73 Chlorobenzene-d5	117	18.628	18.634	-0.006	84	235350	10.0	10.0	
74 Chlorobenzene	112		18.693					ND	
75 Ethylbenzene	91		18.880					ND	7
76 m-Xylene & p-Xylene	106		19.142					ND	
77 n-Nonane	57		19.212					ND	
S 78 Xylenes, Total	106		19.600					ND	7
79 o-Xylene	106		19.912					ND	
80 Styrene	104		19.950					ND	
81 Bromoform	173		20.298					ND	
82 Isopropylbenzene	105		20.624					ND	
83 1,1,2,2-Tetrachloroethane	83		21.148					ND	
84 1,2,3-Trichloropropane	75		21.244					ND	
85 N-Propylbenzene	91		21.346					ND	
86 2-Chlorotoluene	91		21.496					ND	
87 4-Ethyltoluene	105		21.549					ND	
88 1,3,5-Trimethylbenzene	105		21.640					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		21.678					ND	
90 Alpha Methyl Styrene	118		21.972					ND	
91 tert-Butylbenzene	119		22.127					ND	
92 1,2,4-Trimethylbenzene	105		22.213					ND	
93 sec-Butylbenzene	105		22.453					ND	
94 1,3-Dichlorobenzene	146		22.625					ND	
95 4-Isopropyltoluene	119		22.667					ND	
96 1,4-Dichlorobenzene	146		22.769					ND	
97 Benzyl chloride	91		22.914					ND	
98 n-Butylbenzene	91		23.218					ND	
99 1,2-Dichlorobenzene	146		23.251					ND	
100 Undecane	57		23.368					ND	
101 Dodecane	57		24.914					ND	
102 1,2,4-Trichlorobenzene	180		25.637					ND	7
103 Hexachlorobutadiene	225		25.877					ND	
104 Naphthalene	128		26.097					ND	7
105 1,2,3-Trichlorobenzene	180		26.503					ND	7
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

U - Marked Undetected

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-06.D

Injection Date: 08-Apr-2025 12:18:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

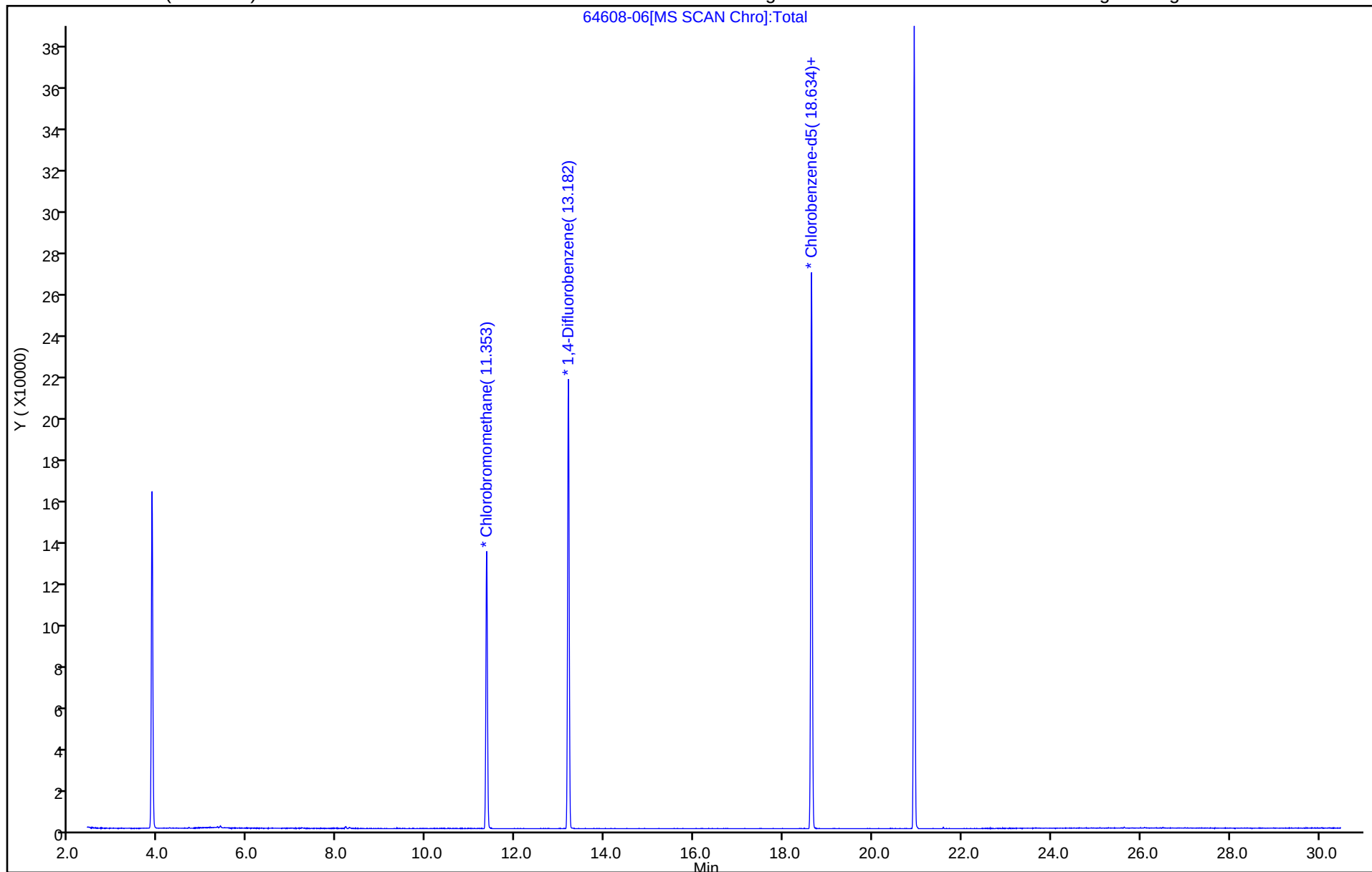
ALS Bottle#: 5

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



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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 200-214887/8
Matrix: Air Lab File ID: 64586-08.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/07/2025 13:42
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.: 214887 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	11.6		0.037	0.029
127-18-4	Tetrachloroethene	165.83	10.6		0.20	0.036

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-08.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 07-Apr-2025 13:42:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064586-008
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 08-Apr-2025 09:37:39 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1720

First Level Reviewer: YWL8

Date: 08-Apr-2025 09:40:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.227	4.216	0.011	97	106327	10.0	15.7	
3 Dichlorodifluoromethane	85	4.323	4.307	0.016	99	293848	10.0	13.5	
4 Chlorodifluoromethane	51	4.366	4.350	0.016	97	191515	10.0	14.2	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.676	4.660	0.016	95	328463	10.0	14.3	
6 Chloromethane	50	4.794	4.778	0.016	99	119699	10.0	14.1	
7 Vinyl chloride	62	5.094	5.083	0.011	98	97020	10.0	12.3	
8 Butane	43	5.099	5.083	0.016	99	136276	10.0	11.7	
9 Butadiene	54	5.206	5.195	0.011	94	68897	10.0	13.1	
11 BFB									
10 Bromomethane	94	5.907	5.891	0.016	99	66620	10.0	11.0	
12 Chloroethane	64	6.169	6.158	0.011	99	38325	10.0	10.6	
13 2-Methylbutane	43	6.372	6.362	0.010	94	95464	10.0	10.5	
14 Vinyl bromide	106	6.586	6.576	0.010	99	83473	10.0	11.6	
15 Trichlorofluoromethane	101	6.747	6.736	0.011	98	203533	10.0	11.6	
16 Pentane	43	6.950	6.939	0.011	98	135654	10.0	10.1	
17 Ethanol	45	7.175	7.212	0.006	98	57393	15.0	13.8	
18 Ethyl ether	59	7.383	7.378	0.005	94	53167	10.0	10.8	
19 Acrolein	56	7.619	7.608	0.011	96	33088	10.0	11.3	
20 1,1-Dichloroethene	96	7.801	7.795	0.006	98	79308	10.0	11.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.843	7.833	0.010	98	166323	10.0	10.7	
22 Acetone	43	7.902	7.897	0.005	97	101232	10.0	9.83	
24 Carbon disulfide	76	8.202	8.191	0.011	99	217844	10.0	9.62	
23 Isopropyl alcohol	45	8.234	8.229	0.005	100	107292	10.0	9.39	
25 Acetonitrile	41	8.389	8.389	0.000	99	42886	10.0	8.00	
27 3-Chloro-1-propene	41	8.485	8.485	-0.001	97	83934	10.0	10.4	
28 Methylene Chloride	49	8.721	8.716	0.005	90	73110	10.0	9.55	
29 2-Methyl-2-propanol	59	9.015	9.004	0.011	94	126159	10.0	9.05	
30 Acrylonitrile	53	9.122	9.122	0.000	95	44559	10.0	9.26	
32 trans-1,2-Dichloroethene	61	9.213	9.208	0.005	97	97680	10.0	11.0	
31 Methyl tert-butyl ether	73	9.245	9.240	0.005	97	196390	10.0	10.7	
S 33 1,2-Dichloroethene, Total	61				0		20.0	21.9	
34 Hexane	57	9.716	9.711	0.005	91	99658	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
36 1,1-Dichloroethane	63	9.967	9.962	0.005	100	120533	10.0	10.5	
35 Vinyl acetate	43	9.983	9.978	0.005	99	144928	10.0	10.6	
37 2-Butanone (MEK)	72	10.941	10.941	0.000	99	33852	10.0	8.56	
38 cis-1,2-Dichloroethene	96	10.952	10.952	0.000	91	76998	10.0	10.9	
39 Ethyl acetate	88	11.027	11.021	0.006	99	6511	10.0	10.7	
* 40 Chlorobromomethane	128	11.358	11.353	0.005	80	55839	10.0	10.0	
41 Tetrahydrofuran	42	11.428	11.427	0.006	89	65144	10.0	9.55	
42 Chloroform	83	11.535	11.535	0.000	95	150665	10.0	10.8	
43 1,1,1-Trichloroethane	97	11.840	11.839	0.006	95	158637	10.0	11.5	
44 Cyclohexane	84	11.973	11.973	0.005	97	96074	10.0	11.0	
45 Carbon tetrachloride	117	12.118	12.118	0.005	98	171112	10.0	12.1	
46 Benzene	78	12.455	12.460	0.000	95	223557	10.0	10.6	
47 1,2-Dichloroethane	62	12.524	12.530	-0.001	98	96151	10.0	11.5	
48 Isooctane	57	12.669	12.674	0.000	98	327366	10.0	10.8	
49 n-Heptane	43	12.979	12.979	0.005	90	111706	10.0	10.8	
* 50 1,4-Difluorobenzene	114	13.188	13.183	0.005	93	258450	10.0	10.0	
51 n-Butanol	56	13.461	13.466	0.000	87	42785	10.0	8.33	
52 Trichloroethene	95	13.616	13.621	0.000	97	104746	10.0	11.6	
A 53 GRO	1	14.020	(6.352-21.688)		0	33264661	649.9	0	
55 1,2-Dichloropropane	63	14.065	14.066	0.005	92	81954	10.0	10.6	
56 Methyl methacrylate	69	14.167	14.167	0.005	99	76748	10.0	10.6	
58 Dibromomethane	174	14.220	14.226	0.000	92	118174	10.0	11.9	
57 1,4-Dioxane	88	14.252	14.253	0.005	90	43861	10.0	10.1	
59 Dichlorobromomethane	83	14.536	14.537	0.005	98	168528	10.0	11.5	
60 cis-1,3-Dichloropropene	75	15.328	15.334	0.000	91	144655	10.0	11.1	
A 61 TVOC as Toluene	92	15.357	(4.206-26.508)		0	56777964	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.617	15.618	0.006	95	147121	10.0	10.0	
63 Toluene	92	15.970	15.964	0.006	95	169302	10.0	9.74	
A 64 Toluene Range	1	15.970	(15.906-16.034)		0	654766	NC	NC	
66 n-Octane	43	16.216	16.222	0.000	90	157112	10.0	11.3	
A 65 C8 Range	1	16.253	(16.152-16.355)		0	634818	NC	NC	
67 trans-1,3-Dichloropropene	75	16.376	16.383	0.000	96	128663	10.0	12.6	
68 1,1,2-Trichloroethane	83	16.751	16.751	0.000	96	84664	10.0	9.51	
69 Tetrachloroethene	166	16.954	16.954	0.000	97	169079	10.0	10.6	
70 2-Hexanone	43	17.200	17.189	0.011	96	138819	10.0	9.01	
71 Chlorodibromomethane	129	17.484	17.484	0.000	98	196734	10.0	10.2	
72 Ethylene Dibromide	107	17.719	17.719	0.000	99	167209	10.0	10.0	
* 73 Chlorobenzene-d5	117	18.634	18.629	0.005	83	210781	10.0	10.0	
74 Chlorobenzene	112	18.687	18.687	0.000	97	251540	10.0	9.86	
75 Ethylbenzene	91	18.880	18.880	0.000	97	384247	10.0	9.86	
76 m-Xylene & p-Xylene	106	19.142	19.142	0.000	0	311231	20.0	20.4	
77 n-Nonane	57	19.206	19.206	0.000	87	168349	10.0	10.5	
S 78 Xylenes, Total	106				0		30.0	30.9	
79 o-Xylene	106	19.912	19.912	0.000	99	151758	10.0	10.4	
80 Styrene	104	19.950	19.945	0.005	97	242945	10.0	10.6	
81 Bromoform	173	20.298	20.298	0.000	98	217482	10.0	10.8	
82 Isopropylbenzene	105	20.619	20.624	-0.005	95	461557	10.0	10.4	
83 1,1,2,2-Tetrachloroethane	83	21.148	21.148	0.000	99	235832	10.0	9.71	
84 1,2,3-Trichloropropane	75	21.244	21.245	-0.001	98	182113	10.0	9.81	
85 N-Propylbenzene	91	21.346	21.346	0.000	100	554445	10.0	10.3	
86 2-Chlorotoluene	91	21.496	21.496	0.000	96	339350	10.0	10.1	
87 4-Ethyltoluene	105	21.544	21.544	0.000	98	473887	10.0	10.7	

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	21.640	21.640	0.000	94	398926	10.0	10.5	
89 n-Decane	57	21.678	21.678	0.000	92	238930	10.0	10.3	
90 Alpha Methyl Styrene	118	21.972	21.972	0.000	91	211098	10.0	11.0	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	404591	10.0	10.5	
92 1,2,4-Trimethylbenzene	105	22.213	22.213	0.000	97	409068	10.0	10.7	
93 sec-Butylbenzene	105	22.454	22.454	0.000	99	613341	10.0	10.6	
94 1,3-Dichlorobenzene	146	22.625	22.625	0.000	96	305415	10.0	11.0	
95 4-Isopropyltoluene	119	22.668	22.668	0.000	98	528467	10.0	10.6	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	96	306436	10.0	11.3	
97 Benzyl chloride	91	22.914	22.914	0.000	100	357519	10.0	11.4	
98 n-Butylbenzene	91	23.219	23.219	0.000	98	490240	10.0	11.0	
99 1,2-Dichlorobenzene	146	23.251	23.251	0.000	98	298924	10.0	10.9	
100 Undecane	57	23.368	23.368	0.000	94	279358	10.0	9.71	
101 Dodecane	57	24.914	24.914	0.000	98	242227	10.0	8.54	
102 1,2,4-Trichlorobenzene	180	25.637	25.631	0.006	93	283014	10.0	13.9	
103 Hexachlorobutadiene	225	25.877	25.877	0.000	96	290135	10.0	11.9	
104 Naphthalene	128	26.097	26.097	0.000	99	564272	10.0	13.6	
105 1,2,3-Trichlorobenzene	180	26.503	26.498	0.005	96	241865	10.0	11.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00884

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 08-Apr-2025 09:40:43

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250407-64586.b\64586-08.D

Injection Date: 07-Apr-2025 13:42:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: lcs

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

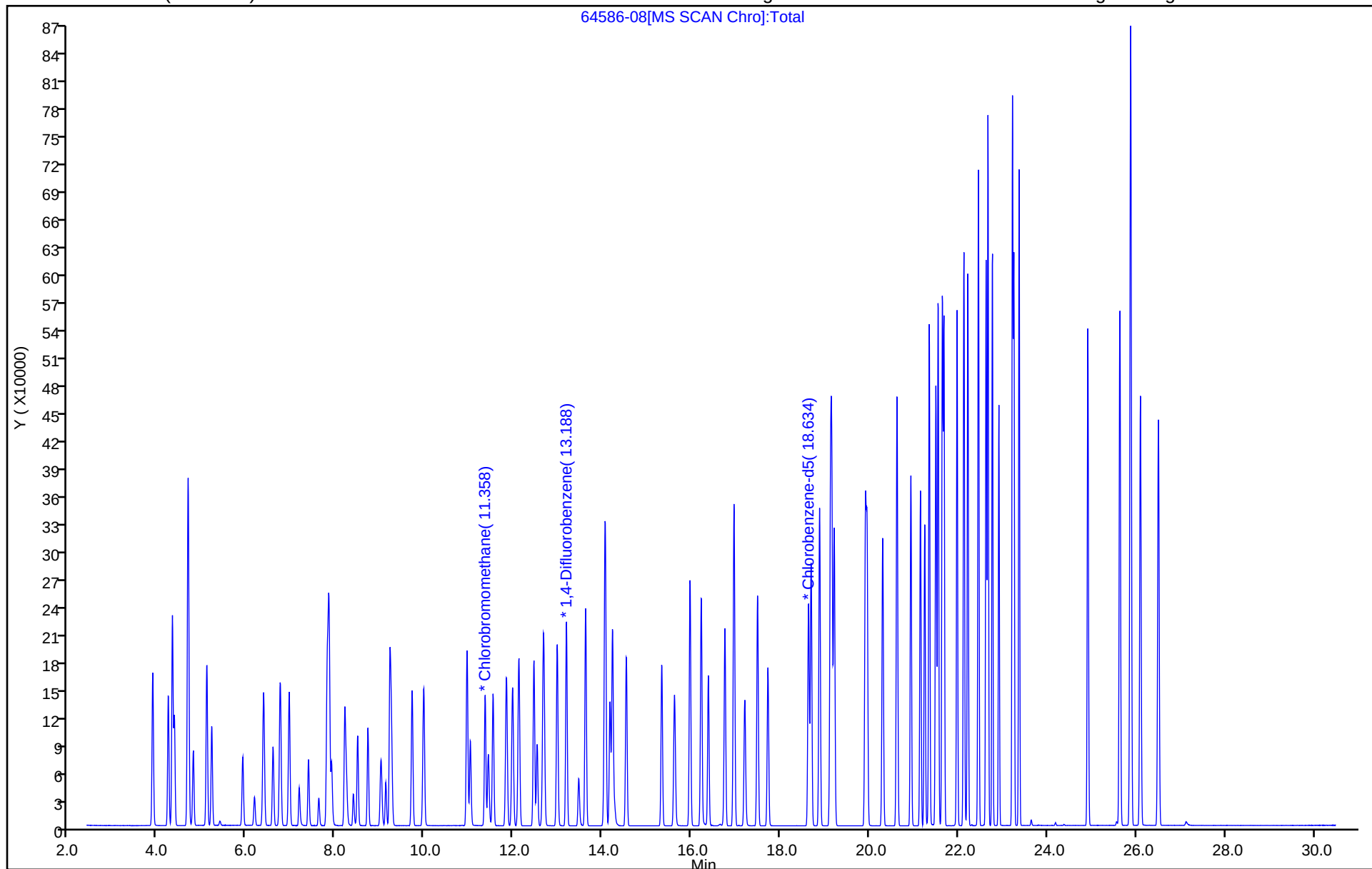
ALS Bottle#: 7

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



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

Lab Name: Eurofins Burlington Job No.: 200-77589-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 200-214931/4
Matrix: Air Lab File ID: 64608-04.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2025 10:20
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.: 214931 Units: ppb v/v
Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	11.5		0.037	0.029
127-18-4	Tetrachloroethene	165.83	11.7		0.20	0.036

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\64608-04.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Apr-2025 10:20:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064608-004
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20250408-64608.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 09-Apr-2025 11:49:49 Calib Date: 21-Mar-2025 09:07:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20250320-64366.b\64366-19.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1708

First Level Reviewer: YWL8

Date: 09-Apr-2025 11:51:23

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	4.222	4.227	-0.005	97	91097	10.0	13.8	
3 Dichlorodifluoromethane	85	4.318	4.318	0.000	99	270832	10.0	12.7	
4 Chlorodifluoromethane	51	4.361	4.361	0.000	97	169038	10.0	12.9	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.671	4.671	0.000	98	297398	10.0	13.2	
6 Chloromethane	50	4.789	4.783	0.006	99	104254	10.0	12.6	
7 Vinyl chloride	62	5.094	5.088	0.006	98	98222	10.0	12.8	
8 Butane	43	5.094	5.094	0.000	99	138114	10.0	12.2	
9 Butadiene	54	5.206	5.201	0.005	95	70835	10.0	13.8	
11 BFB									
10 Bromomethane	94	5.902	5.901	0.001	99	72534	10.0	12.3	
12 Chloroethane	64	6.169	6.169	0.000	100	41498	10.0	11.7	
13 2-Methylbutane	43	6.372	6.372	0.000	93	97921	10.0	11.1	
14 Vinyl bromide	106	6.586	6.586	0.000	99	84149	10.0	12.0	
15 Trichlorofluoromethane	101	6.747	6.747	0.000	98	204445	10.0	11.9	
16 Pentane	43	6.950	6.950	0.000	98	134408	10.0	10.2	
17 Ethanol	45	7.175	7.169	0.006	99	57380	15.0	14.1	
18 Ethyl ether	59	7.383	7.378	0.005	94	53829	10.0	11.1	
19 Acrolein	56	7.614	7.613	0.001	95	33479	10.0	11.7	
20 1,1-Dichloroethene	96	7.801	7.801	0.000	98	77939	10.0	11.6	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.838	7.838	0.000	98	163318	10.0	10.8	
22 Acetone	43	7.902	7.902	0.000	97	101713	10.0	10.1	
24 Carbon disulfide	76	8.202	8.196	0.006	99	215378	10.0	9.73	
23 Isopropyl alcohol	45	8.234	8.229	0.005	100	110079	10.0	9.86	
25 Acetonitrile	41	8.395	8.389	0.006	99	44216	10.0	8.44	
27 3-Chloro-1-propene	41	8.491	8.485	0.006	96	83139	10.0	10.5	
28 Methylene Chloride	49	8.721	8.715	0.006	91	73450	10.0	9.81	
29 2-Methyl-2-propanol	59	9.015	9.015	0.000	94	129758	10.0	9.53	
30 Acrylonitrile	53	9.122	9.122	0.000	94	45231	10.0	9.61	
32 trans-1,2-Dichloroethene	61	9.213	9.213	0.000	97	97927	10.0	11.3	
31 Methyl tert-butyl ether	73	9.245	9.245	0.000	96	200115	10.0	11.2	
S 33 1,2-Dichloroethene, Total	61				0		20.0	22.3	
34 Hexane	57	9.711	9.716	-0.005	92	99720	10.0	10.7	

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	9.967	9.967	0.000	100	119774	10.0	10.7	
35 Vinyl acetate	43	9.983	9.983	0.000	99	149652	10.0	11.2	
37 2-Butanone (MEK)	72	10.941	10.941	0.000	99	34758	10.0	8.99	
38 cis-1,2-Dichloroethene	96	10.952	10.952	0.000	91	76013	10.0	11.0	
39 Ethyl acetate	88	11.021	11.026	-0.005	99	6401	10.0	10.8	
* 40 Chlorobromomethane	128	11.358	11.358	0.000	81	54568	10.0	10.0	
41 Tetrahydrofuran	42	11.428	11.428	0.000	90	67126	10.0	9.76	
42 Chloroform	83	11.535	11.535	0.000	95	151354	10.0	11.1	
43 1,1,1-Trichloroethane	97	11.834	11.840	-0.006	95	156173	10.0	11.2	
44 Cyclohexane	84	11.974	11.973	0.001	97	94548	10.0	10.8	
45 Carbon tetrachloride	117	12.118	12.118	0.000	98	170938	10.0	12.0	
46 Benzene	78	12.455	12.455	0.000	95	222509	10.0	10.5	
47 1,2-Dichloroethane	62	12.530	12.524	0.006	98	96052	10.0	11.4	
48 Isooctane	57	12.674	12.674	0.000	99	329682	10.0	10.7	
49 n-Heptane	43	12.979	12.979	0.000	91	113702	10.0	10.9	
* 50 1,4-Difluorobenzene	114	13.188	13.188	0.000	93	260675	10.0	10.0	
51 n-Butanol	56	13.466	13.466	0.000	87	44091	10.0	8.51	
52 Trichloroethene	95	13.616	13.616	0.000	98	104779	10.0	11.5	
A 53 GRO	1	14.025	(6.362-21.688)		0	33191741	649.9	0	
55 1,2-Dichloropropane	63	14.065	14.065	0.000	92	82298	10.0	10.6	
56 Methyl methacrylate	69	14.167	14.167	0.000	99	78028	10.0	10.6	
58 Dibromomethane	174	14.220	14.220	0.000	92	115984	10.0	11.6	
57 1,4-Dioxane	88	14.253	14.268	-0.016	91	44341	10.0	10.1	
59 Dichlorobromomethane	83	14.531	14.531	0.000	98	168188	10.0	11.4	
60 cis-1,3-Dichloropropene	75	15.328	15.328	0.000	91	143533	10.0	10.9	
A 61 TVOC as Toluene	92	15.365	(4.217-26.513)		0	55964519	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.617	15.617	0.000	95	152624	10.0	10.3	
63 Toluene	92	15.964	15.964	0.000	93	167811	10.0	10.8	
A 64 Toluene Range	1	15.970	(15.905-16.034)		0	653409	NC	NC	
66 n-Octane	43	16.221	16.216	0.005	90	162669	10.0	11.6	
A 65 C8 Range	1	16.226	(16.151-16.301)		0	657898	NC	NC	
67 trans-1,3-Dichloropropene	75	16.376	16.376	0.000	96	131291	10.0	12.7	
68 1,1,2-Trichloroethane	83	16.751	16.751	0.000	96	85763	10.0	10.8	
69 Tetrachloroethene	166	16.954	16.954	0.000	97	166566	10.0	11.7	
70 2-Hexanone	43	17.200	17.200	0.000	96	142948	10.0	10.4	
71 Chlorodibromomethane	129	17.484	17.484	0.000	98	196518	10.0	11.4	
72 Ethylene Dibromide	107	17.719	17.719	0.000	99	165803	10.0	11.1	
* 73 Chlorobenzene-d5	117	18.634	18.634	0.000	84	188470	10.0	10.0	
74 Chlorobenzene	112	18.693	18.693	0.000	97	251176	10.0	11.0	
75 Ethylbenzene	91	18.880	18.880	0.000	98	389221	10.0	11.2	
76 m-Xylene & p-Xylene	106	19.142	19.142	0.000	0	315045	20.0	23.1	
77 n-Nonane	57	19.212	19.212	0.000	87	166087	10.0	11.6	
S 78 Xylenes, Total	106				0		30.0	34.8	
79 o-Xylene	106	19.913	19.912	0.000	99	151332	10.0	11.6	
80 Styrene	104	19.950	19.950	0.000	98	244345	10.0	12.0	
81 Bromoform	173	20.298	20.298	0.000	99	217606	10.0	12.1	
82 Isopropylbenzene	105	20.624	20.624	0.000	95	460557	10.0	11.6	
83 1,1,2,2-Tetrachloroethane	83	21.148	21.148	0.000	99	236308	10.0	10.9	
84 1,2,3-Trichloropropane	75	21.245	21.244	0.001	98	182246	10.0	11.0	
85 N-Propylbenzene	91	21.346	21.346	0.000	100	552241	10.0	11.5	
86 2-Chlorotoluene	91	21.496	21.496	0.000	96	338618	10.0	11.3	
87 4-Ethyltoluene	105	21.550	21.549	0.001	98	472868	10.0	11.9	

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	21.640	21.640	0.000	94	397099	10.0	11.7	
89 n-Decane	57	21.678	21.678	0.000	92	238324	10.0	11.5	
90 Alpha Methyl Styrene	118	21.972	21.972	0.000	91	209751	10.0	12.2	
91 tert-Butylbenzene	119	22.127	22.127	0.000	95	402665	10.0	11.7	
92 1,2,4-Trimethylbenzene	105	22.213	22.213	0.000	97	406298	10.0	11.9	
93 sec-Butylbenzene	105	22.454	22.453	0.001	99	607240	10.0	11.7	
94 1,3-Dichlorobenzene	146	22.625	22.625	0.000	96	299834	10.0	12.0	
95 4-Isopropyltoluene	119	22.668	22.667	0.001	98	525834	10.0	11.8	
96 1,4-Dichlorobenzene	146	22.769	22.769	0.000	96	300859	10.0	12.4	
97 Benzyl chloride	91	22.914	22.914	0.000	100	361105	10.0	12.9	
98 n-Butylbenzene	91	23.219	23.218	0.001	98	485045	10.0	12.2	
99 1,2-Dichlorobenzene	146	23.251	23.251	0.000	98	297515	10.0	12.1	
100 Undecane	57	23.368	23.368	0.000	94	272225	10.0	10.6	
101 Dodecane	57	24.914	24.914	0.000	98	217364	10.0	8.57	
102 1,2,4-Trichlorobenzene	180	25.631	25.637	-0.006	94	260356	10.0	14.3	
103 Hexachlorobutadiene	225	25.877	25.877	0.000	96	284672	10.0	13.1	
104 Naphthalene	128	26.097	26.097	0.000	99	489959	10.0	13.2	
105 1,2,3-Trichlorobenzene	180	26.503	26.503	0.000	95	223030	10.0	11.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00884

Amount Added: 200.00

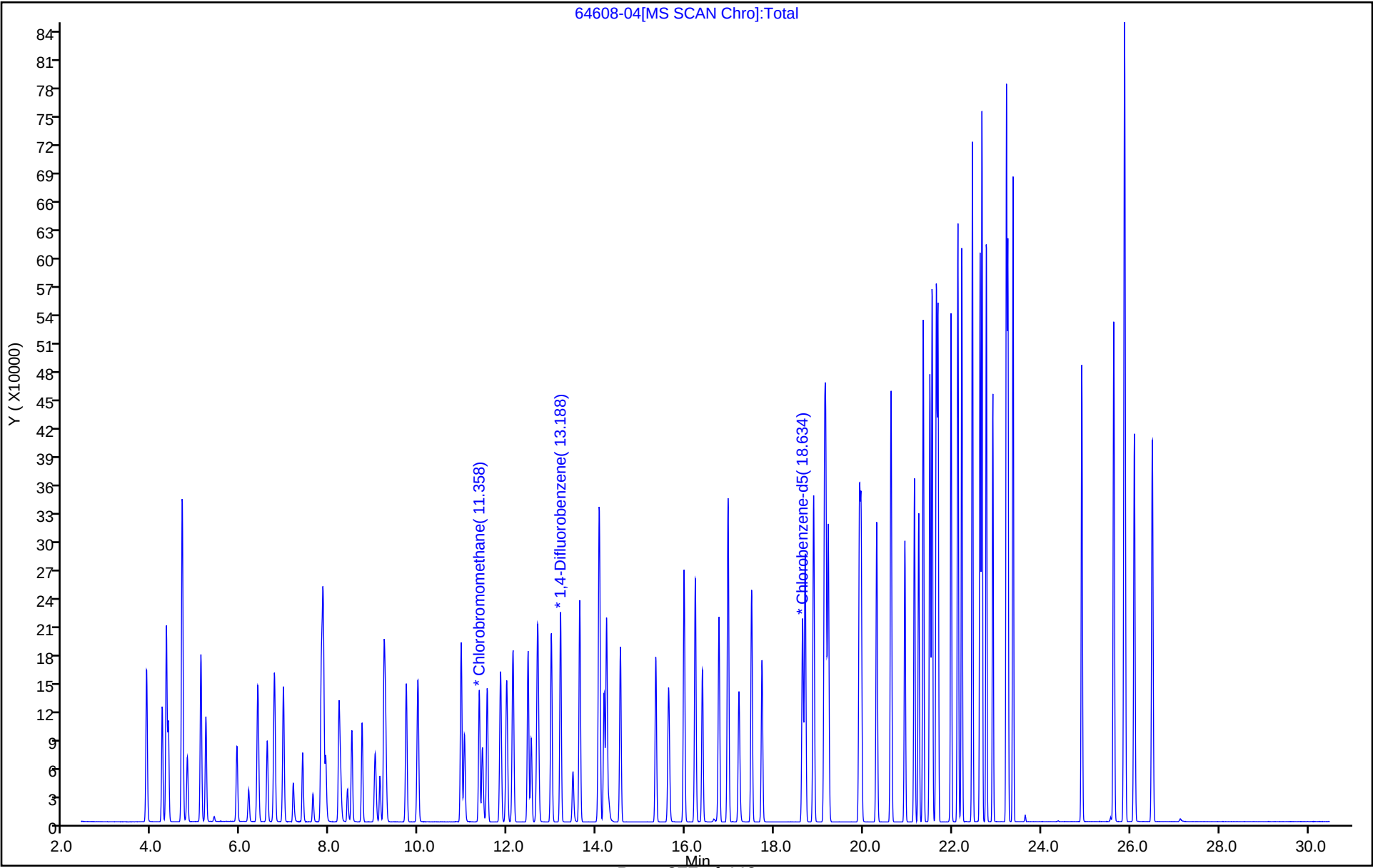
Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-77589-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 03/20/2025 14:06Analysis Batch Number: 214438End Date: 03/21/2025 10:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-214438/1		03/20/2025 14:06	1	64366-01.D	RTX-624 0.32 (mm)
ZZZZZ		03/20/2025 17:02	1		RTX-624 0.32 (mm)
IC 200-214438/6		03/20/2025 18:59	1	64366-06.D	RTX-624 0.32 (mm)
IC 200-214438/7		03/20/2025 19:57	1	64366-07.D	RTX-624 0.32 (mm)
IC 200-214438/8		03/20/2025 20:55	1	64366-08.D	RTX-624 0.32 (mm)
ICIS 200-214438/9		03/20/2025 21:54	1	64366-09.D	RTX-624 0.32 (mm)
IC 200-214438/10		03/20/2025 22:52	1	64366-10.D	RTX-624 0.32 (mm)
IC 200-214438/13		03/21/2025 01:48	1	64366-13.D	RTX-624 0.32 (mm)
IC 200-214438/14		03/21/2025 02:47	1	64366-14.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		03/21/2025 03:45	1		RTX-624 0.32 (mm)
ZZZZZ		03/21/2025 06:40	1		RTX-624 0.32 (mm)
IC 200-214438/19		03/21/2025 09:07	1	64366-19.D	RTX-624 0.32 (mm)
ICV 200-214438/20		03/21/2025 10:05	1	64366-20.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-77589-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 04/07/2025 06:49Analysis Batch Number: 214887End Date: 04/08/2025 05:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-214887/1		04/07/2025 06:49	1	64586-01.D	RTX-624 0.32 (mm)
CCVIS 200-214887/3		04/07/2025 08:48	1	64586-03.D	RTX-624 0.32 (mm)
MB 200-214887/7		04/07/2025 12:44	1	64586-07.D	RTX-624 0.32 (mm)
LCS 200-214887/8		04/07/2025 13:42	1	64586-08.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		04/07/2025 14:41	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/07/2025 15:40	10		RTX-624 0.32 (mm)
ZZZZZ (QC)		04/07/2025 16:39	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/07/2025 17:37	10		RTX-624 0.32 (mm)
200-77589-1	LL2-North Gym - 04-02-25	04/07/2025 18:38	1	64586-13.D	RTX-624 0.32 (mm)
200-77589-2	LL2-South Gym - 04-02-25	04/07/2025 19:37	1	64586-14.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		04/07/2025 20:35	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/07/2025 21:33	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/07/2025 22:31	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/07/2025 23:29	10		RTX-624 0.32 (mm)
200-77589-3	LL2-Hallway - 04-02-25	04/08/2025 00:29	1	64586-19.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 01:28	8		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 02:26	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 03:24	400		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 04:21	20		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 05:18	4		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-77589-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 04/08/2025 07:23Analysis Batch Number: 214931End Date: 04/09/2025 05:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-214931/1		04/08/2025 07:23	1	64608-01.D	RTX-624 0.32 (mm)
CCVIS 200-214931/3		04/08/2025 09:21	1	64608-03.D	RTX-624 0.32 (mm)
LCS 200-214931/4		04/08/2025 10:20	1	64608-04.D	RTX-624 0.32 (mm)
MB 200-214931/6		04/08/2025 12:18	1	64608-06.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 13:17	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 14:15	400		RTX-624 0.32 (mm)
200-77589-4	LL2-Pump Room - 04-02-25	04/08/2025 15:15	1	64608-09.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 16:14	10		RTX-624 0.32 (mm)
ZZZZZ (QC)		04/08/2025 17:12	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 18:10	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 19:09	10		RTX-624 0.32 (mm)
200-77589-5	Driveway - 04-02-25	04/08/2025 20:08	1	64608-14.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 21:06	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 22:04	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 23:01	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/08/2025 23:59	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/09/2025 00:59	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/09/2025 01:59	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/09/2025 02:57	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/09/2025 03:55	10		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/09/2025 04:55	1		RTX-624 0.32 (mm)
ZZZZZ (Client)		04/09/2025 05:54	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-77589-1

SDG No.: _____

Batch Number: 214438 Batch Start Date: 03/20/25 14:06 Batch Analyst: Bourdeau, Timothy P

Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL1w 00274	ATTO15CAL2w 00354	ATTO15CAL3w 00284	ATTO15CAL4w 00832
BFB 200-214438/1		TO-15			200 mL	200 mL				
IC 200-214438/6		TO-15			200 mL	200 mL	170 mL			
IC 200-214438/7		TO-15			200 mL	200 mL		170 mL		
IC 200-214438/8		TO-15			200 mL	200 mL			170 mL	
ICIS 200-214438/9		TO-15			200 mL	200 mL				200 mL
IC 200-214438/10		TO-15			200 mL	200 mL				
IC 200-214438/13		TO-15			200 mL	200 mL				
IC 200-214438/14		TO-15			200 mL	200 mL				
IC 200-214438/19		TO-15			200 mL	200 mL	35 mL			
ICV 200-214438/20		TO-15			200 mL	200 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ATTO15CAL5w 00151	ATTO15CAL6w 00240	ATTO15CAL7w 00151	ATTO15LCSW 00883	ATTO15XISs 00003	
BFB 200-214438/1		TO-15							20 mL	
IC 200-214438/6		TO-15							20 mL	
IC 200-214438/7		TO-15							20 mL	
IC 200-214438/8		TO-15							20 mL	
ICIS 200-214438/9		TO-15							20 mL	
IC 200-214438/10		TO-15			200 mL				20 mL	
IC 200-214438/13		TO-15				200 mL			20 mL	
IC 200-214438/14		TO-15					200 mL		20 mL	
IC 200-214438/19		TO-15							20 mL	
ICV 200-214438/20		TO-15						200 mL	20 mL	

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.: 200-77589-1

SDG No.: _____

Batch Number: 214438 Batch Start Date: 03/20/25 14:06 Batch Analyst: Bourdeau, Timothy PBatch Method: TO-15 Batch End Date: _____

Batch Notes	

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.: 200-77589-1

SDG No.: _____

Batch Number: 214887 Batch Start Date: 04/07/25 06:49 Batch Analyst: Puangmalee, Kesanee 1Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00833	ATTO15LCSW 00884	ATTO15XISs 00003	
BFB 200-214887/1		TO-15			200 mL	200 mL			20 mL	
CCVIS 200-214887/3		TO-15			200 mL	200 mL	200 mL		20 mL	
MB 200-214887/7		TO-15			200 mL	200 mL			20 mL	
LCS 200-214887/8		TO-15			200 mL	200 mL		200 mL	20 mL	
200-77589-A-1	LL2-North Gym-04-02-25	TO-15	Air	T	200 mL	200 mL			20 mL	
200-77589-A-2	LL2-South Gym-04-02-25	TO-15	Air	T	200 mL	200 mL			20 mL	
200-77589-A-3	LL2-Hallway-04- 02-25	TO-15	Air	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.: 200-77589-1

SDG No.: _____

Batch Number: 214931 Batch Start Date: 04/08/25 07:23 Batch Analyst: Puangmalee, Kesanee 1Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00833	ATTO15LCSW 00884	ATTO15XIIS 00003	
BFB 200-214931/1		TO-15			200 mL	200 mL			20 mL	
CCVIS 200-214931/3		TO-15			200 mL	200 mL	200 mL		20 mL	
LCS 200-214931/4		TO-15			200 mL	200 mL		200 mL	20 mL	
MB 200-214931/6		TO-15			200 mL	200 mL			20 mL	
200-77589-A-4	LL2-Pump Room-04-02-25	TO-15	Air	T	200 mL	200 mL			20 mL	
200-77589-A-5	Driveway-04-02- 25	TO-15	Air	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.

Post-Sampling Air Canister Pressure Check Record

[illegible]

¹ Criteria: Return Pressure should be between -1 and -12 ("Hg) with the exception of grab samples.

Grab samples, or if using 100 or 200mL/minute flow controllers, must be returned at no lower than -12"Hg, but have no other specific criteria.

² If return pressure is not within criteria, initiate Non-conformance Memo

³ Subtract the retrain pressure from the final field pressure reading recorded on the FTDS.

⁴ The difference should be less than ± 2.3 ("Hg), if it is not, initiate Non-conformance Memo.

⁵ Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Canister Cleaning & Pre-Shipment Leak Test

1

25psi. (2) Pressure readings must be at least 24 hours apart.

If some frame was not met, the PM must authorize shipment of canister

PM Authorization

Date:

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).

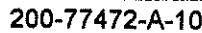
Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Form ID: FAI023:12

Revision Date: 12/18/2018

TestAmerica Burlington



2847
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/26/2025 12:00 AM 200-1986964

Loc: 200

77472

#10 A

Air-Storage

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 64442_003.D
 Lab ID: LCS 200-214612/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.1	111	50-158	
Dichlorodifluoromethane	10.0	10.3	103	61-142	
Freon 22	10.0	10.8	108	60-147	
1,2-Dichlorotetrafluoroethane	10.0	10.2	102	71-141	
Chloromethane	10.0	10.5	105	56-141	
n-Butane	10.0	11.4	114	53-151	
Vinyl chloride	10.0	10.4	104	61-135	
1,3-Butadiene	10.0	10.3	103	58-139	
Bromomethane	10.0	9.83	98	72-124	
Chloroethane	10.0	10.1	101	68-130	
Bromoethene (Vinyl Bromide)	10.0	9.97	100	75-125	
Trichlorofluoromethane	10.0	10.1	101	70-129	
Ethanol	15.0	18.9	126	50-150	
Freon TF	10.0	9.59	96	70-121	
1,1-Dichloroethene	10.0	9.40	94	68-120	
Acetone	10.0	11.2	112	54-154	
Isopropyl alcohol	10.0	11.3	113	53-142	
Carbon disulfide	10.0	9.86	99	71-138	
3-Chloropropene	10.0	11.5	115	50-150	
Methylene Chloride	10.0	10.6	106	59-137	
tert-Butyl alcohol	10.0	10.2	102	66-132	
Methyl tert-butyl ether	10.0	10.4	104	70-127	
trans-1,2-Dichloroethene	10.0	10.7	107	69-137	
n-Hexane	10.0	10.5	105	63-138	
1,1-Dichloroethane	10.0	10.1	101	66-130	
Vinyl acetate	10.0	12.9	129	59-149	
Ethyl acetate	10.0	10.3	103	70-131	
Methyl Ethyl Ketone	10.0	9.96	100	72-124	
cis-1,2-Dichloroethene	10.0	9.35	93	72-121	
Chloroform	10.0	10.1	101	73-124	
Tetrahydrofuran	10.0	11.1	111	60-149	
1,1,1-Trichloroethane	10.0	10.0	100	72-127	
Cyclohexane	10.0	9.97	100	76-124	
Carbon tetrachloride	10.0	10.2	102	71-133	
2,2,4-Trimethylpentane	10.0	10.7	107	68-131	
Benzene	10.0	10.2	102	73-119	
1,2-Dichloroethane	10.0	10.7	107	68-135	
n-Heptane	10.0	11.2	112	60-142	
Trichloroethene	10.0	10.1	101	73-122	
Methyl methacrylate	10.0	10.5	105	73-129	
1,2-Dichloropropane	10.0	10.7	107	69-128	
1,4-Dioxane	10.0	8.60	86	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.: 200-77472-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 64442_003.D
 Lab ID: LCS 200-214612/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.5	105	75-127	
cis-1,3-Dichloropropene	10.0	10.5	105	74-125	
methyl isobutyl ketone	10.0	11.6	116	58-144	
Toluene	10.0	10.1	101	75-122	
trans-1,3-Dichloropropene	10.0	11.5	115	74-128	
1,1,2-Trichloroethane	10.0	10.3	103	75-126	
Tetrachloroethene	10.0	9.15	91	70-125	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.6	116	57-143	
Dibromochloromethane	10.0	10.0	100	73-125	
1,2-Dibromoethane	10.0	10.0	100	78-122	
Chlorobenzene	10.0	9.78	98	76-119	
Ethylbenzene	10.0	10.2	102	74-122	
m,p-Xylene	20.0	19.8	99	76-121	
Xylene, o-	10.0	10.1	101	73-123	
Styrene	10.0	10.2	102	74-125	
Bromoform	10.0	10.6	106	53-149	
Cumene	10.0	10.0	100	73-123	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	74-126	
n-Propylbenzene	10.0	10.3	103	73-127	
4-Ethyltoluene	10.0	10.3	103	75-129	
1,3,5-Trimethylbenzene	10.0	10.2	102	72-126	
2-Chlorotoluene	10.0	10.2	102	74-126	
tert-Butylbenzene	10.0	9.86	99	71-125	
1,2,4-Trimethylbenzene	10.0	10.2	102	71-129	
sec-Butylbenzene	10.0	10.4	104	70-128	
4-Isopropyltoluene	10.0	10.0	100	68-130	
1,3-Dichlorobenzene	10.0	9.73	97	69-131	
1,4-Dichlorobenzene	10.0	9.89	99	67-132	
Benzyl chloride	10.0	10.7	107	60-136	
n-Butylbenzene	10.0	10.7	107	65-137	
1,2-Dichlorobenzene	10.0	9.76	98	68-129	
1,2,4-Trichlorobenzene	10.0	11.8	118	50-150	
Hexachlorobutadiene	10.0	10.3	103	58-130	
Naphthalene	10.0	13.2	132	50-150	

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

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-77472-1
SDG No.: _____
Lab File ID: 64442_004.D Lab Sample ID: MB 200-214612/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHAN.i Date Analyzed: 03/27/2025 11:29
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 200-214612/3	64442_003.D	03/27/2025 10:37
2847	200-77472-10	64442_019.D	03/28/2025 01:09

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-77472-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-214612/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>64442_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/27/2025 11:29</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>214612</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</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	0.14	U	0.14	0.14
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	0.14	U	0.14	0.14
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	0.14	U	0.14	0.14
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-77472-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-214612/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>64442_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/27/2025 11:29</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>214612</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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	0.14	U	0.14	0.14
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	0.14	U	0.14	0.14
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

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-77472-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-214612/4</u>
Matrix: <u>Air</u>	Lab File ID: <u>64442_004.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>03/27/2025 11:29</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>214612</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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
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\CHAN.i\20250327-64442.b\64442_004.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 27-Mar-2025 11:29:02 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0064442-004
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 28-Mar-2025 09:19:23 Calib Date: 26-Feb-2025 03:04:44
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20250225-64097.b\64097_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: J8TG

Date: 28-Mar-2025 09:35:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.348					ND	7
2 Dichlorodifluoromethane	85		4.444					ND	7
3 Chlorodifluoromethane	51		4.487					ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.808					ND	
5 Chloromethane	50		4.920					ND	7
6 Vinyl chloride	62		5.220					ND	
7 Butane	43		5.225					ND	7
8 Butadiene	54		5.332					ND	
9 Bromomethane	94		6.049					ND	
10 Chloroethane	64		6.322					ND	
12 2-Methylbutane	43		6.536					ND	
13 Vinyl bromide	106		6.739					ND	
14 Trichlorofluoromethane	101		6.910					ND	7
15 Pentane	43		7.113					ND	
16 Ethanol	45		7.247					ND	
18 Ethyl ether	59		7.515					ND	
19 Acrolein	56		7.734					ND	
20 1,1-Dichloroethene	96		7.959					ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.002					ND	
22 Acetone	43		8.012					ND	7
23 Isopropyl alcohol	45		8.296					ND	7
24 Carbon disulfide	76		8.360					ND	7
25 Acetonitrile	41		8.504					ND	
26 3-Chloro-1-propene	41		8.644					ND	7
27 Methylene Chloride	49		8.868					ND	7
28 2-Methyl-2-propanol	59		9.061					ND	
29 Acrylonitrile	53		9.248					ND	
30 trans-1,2-Dichloroethene	61		9.371					ND	7
31 Methyl tert-butyl ether	73		9.376					ND	7
32 Hexane	57		9.890					ND	
33 1,1-Dichloroethane	63		10.131					ND	
34 Vinyl acetate	43		10.136					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
36 2-Butanone (MEK)	72		11.078					ND	
37 cis-1,2-Dichloroethene	96		11.115					ND	7
38 Ethyl acetate	88		11.174					ND	
* 39 Chlorobromomethane	128	11.522	11.522	0.000	84	742925	10.0	10.0	
40 Tetrahydrofuran	42		11.570					ND	
41 Chloroform	83		11.698					ND	
42 1,1,1-Trichloroethane	97		12.019					ND	7
43 Cyclohexane	84		12.169					ND	
44 Carbon tetrachloride	117		12.303					ND	
45 Benzene	78		12.640					ND	7
46 1,2-Dichloroethane	62		12.699					ND	
47 Isooctane	57		12.870					ND	
48 n-Heptane	43		13.180					ND	7
* 49 1,4-Difluorobenzene	114	13.362	13.367	-0.005	95	3615421	10.0	10.0	
50 n-Butanol	56		13.565					ND	MU
51 Trichloroethene	95		13.806					ND	
A 52 GRO	1	14.197	(6.526-21.867)		0	11270549		0	
53 1,2-Dichloropropane	63		14.250					ND	
54 Methyl methacrylate	69		14.336					ND	
55 1,4-Dioxane	88		14.373					ND	
57 Dibromomethane	174	14.405	14.400	0.005	86	1692		0.0184	
58 Dichlorobromomethane	83		14.710					ND	
59 cis-1,3-Dichloropropene	75		15.513					ND	7
A 60 TVOC as Toluene	1	15.547	(4.338-26.757)		0	11544229		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.769					ND	
62 Toluene	92		16.165					ND	7
A 63 Toluene Range	1	16.165	(16.090-16.240)		0	29007		NC	
A 65 C8 Range	1	16.427	(16.358-16.497)		0	21229		NC	
64 n-Octane	43		16.427					ND	7
66 trans-1,3-Dichloropropene	75		16.561					ND	7
67 1,1,2-Trichloroethane	83		16.936					ND	
68 Tetrachloroethene	166		17.160					ND	7
69 2-Hexanone	43		17.342					ND	
70 Chlorodibromomethane	129		17.674					ND	7
71 Ethylene Dibromide	107		17.915					ND	7
* 73 Chlorobenzene-d5	117	18.829	18.829	0.000	88	3112087	10.0	10.0	
74 Chlorobenzene	112	18.894	18.899	0.000	80	2551		0.0123	
75 Ethylbenzene	91	19.097	19.092	0.011	91	4627		0.0138	M
76 m-Xylene & p-Xylene	106		19.348					ND	MU
77 n-Nonane	57	19.434	19.434	0.005	17	2577		0.0187	M
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.119					ND	MU
79 Styrene	104	20.167	20.156	0.016	1	1463		0.007242	7M
81 Bromoform	173		20.483					ND	7
82 Isopropylbenzene	105	20.820	20.820	0.006	96	6404		0.0170	
83 1,1,2,2-Tetrachloroethane	83		21.306					ND	7
84 1,2,3-Trichloropropane	75		21.408					ND	7
85 N-Propylbenzene	91	21.526	21.532	0.000	97	7744		0.0174	
86 2-Chlorotoluene	91	21.676	21.676	0.006	95	5919		0.0209	
87 4-Ethyltoluene	105	21.729	21.724	0.011	98	6275		0.0172	M
88 1,3,5-Trimethylbenzene	105	21.815	21.821	0.000	89	5372		0.0171	

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		21.857					ND	7
90 Alpha Methyl Styrene	118	22.146	22.142	0.010	77	1668		0.0102	
91 tert-Butylbenzene	119	22.296	22.302	0.000	92	5722		0.0188	
92 1,2,4-Trimethylbenzene	105	22.387	22.388	0.005	96	5191		0.0164	
93 sec-Butylbenzene	105	22.622	22.629	0.000	98	8203		0.0182	
94 1,3-Dichlorobenzene	146	22.788	22.795	0.000	93	3557		0.0166	
95 4-Isopropyltoluene	119	22.831	22.837	0.000	96	6256		0.0162	
96 1,4-Dichlorobenzene	146	22.927	22.934	0.000	92	4450		0.0210	M
97 Benzyl chloride	91	23.072	23.078	0.000	6	3001		0.0104	M
98 n-Butylbenzene	91		23.387					ND	7
99 1,2-Dichlorobenzene	146	23.414	23.421	0.000	76	2727		0.0133	
100 Undecane	57		23.548					ND	7
101 Dodecane	57		25.132					ND	
102 1,2,4-Trichlorobenzene	180	25.870	25.866	0.011	89	4262		0.0300	
103 Hexachlorobutadiene	225		26.116					ND	7
104 Naphthalene	128		26.330					ND	MU
105 1,2,3-Trichlorobenzene	180	26.752	26.755	0.005	78	2291		0.0168	
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-dichloroethane	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

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 28-Mar-2025 09:35:01

Chrom Revision: 2.3 21-Mar-2025 14:03:38

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D

Injection Date: 27-Mar-2025 11:29:02

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

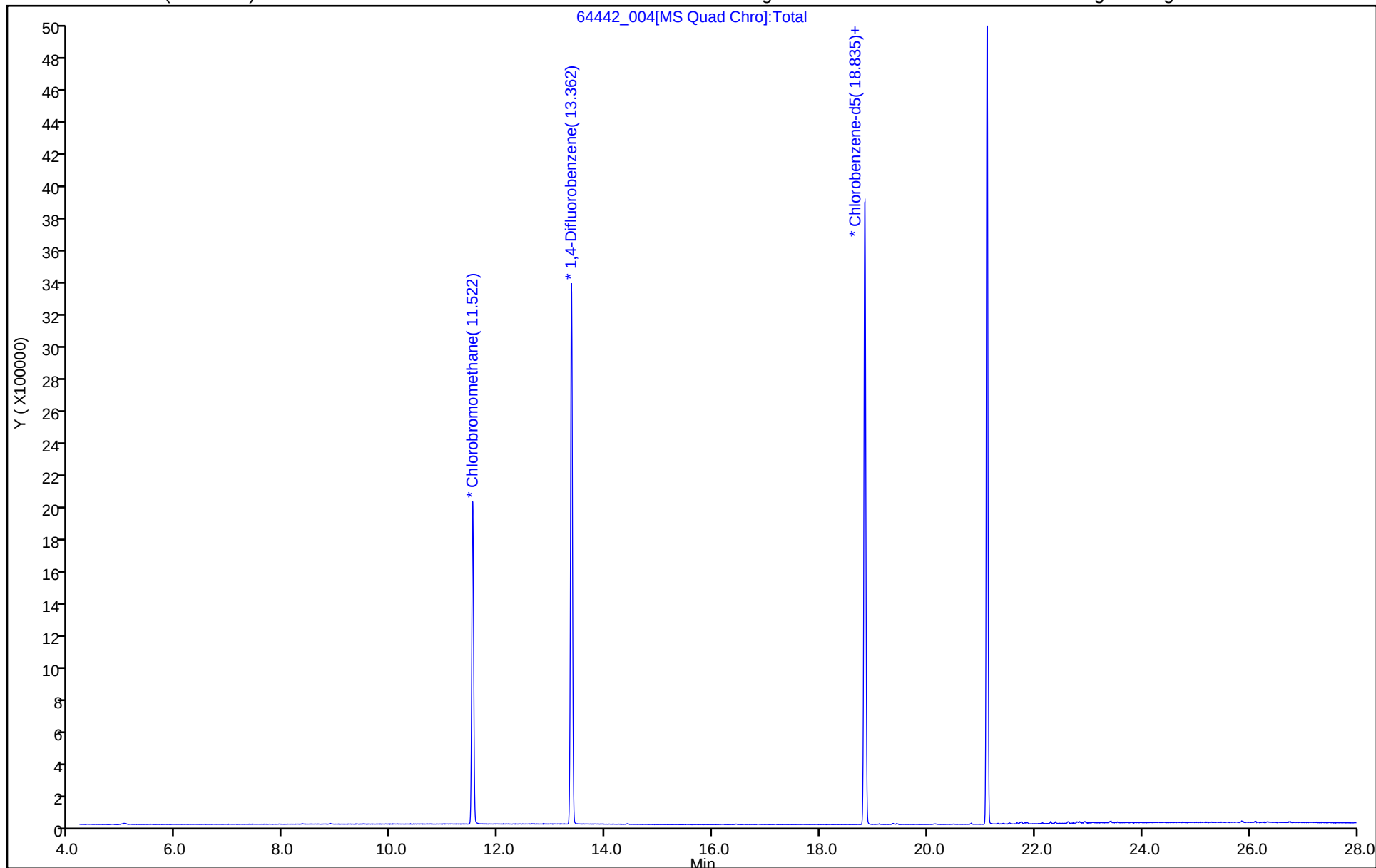
ALS Bottle#: 4

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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

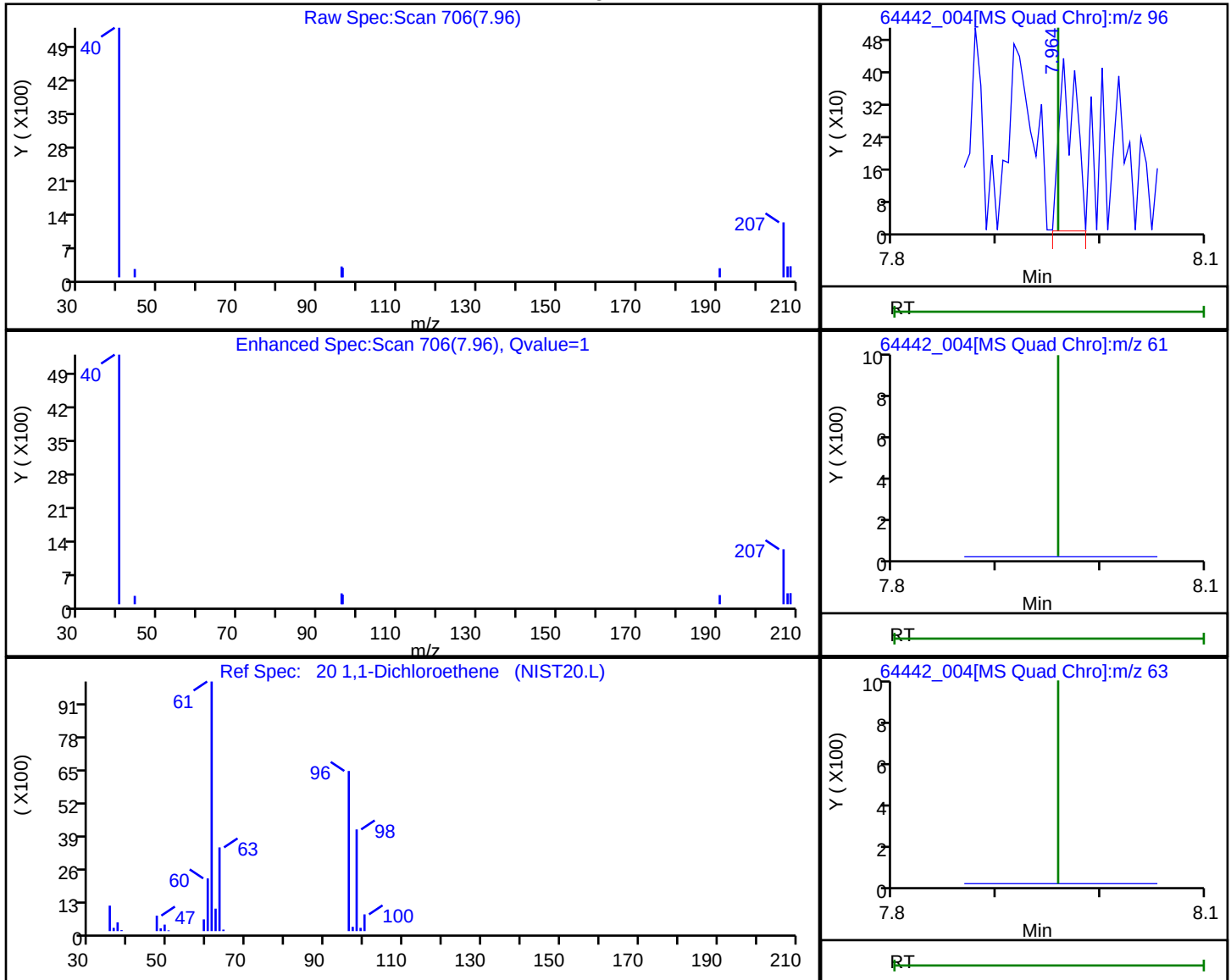


Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D
Injection Date: 27-Mar-2025 11:29:02 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
7.96	96.00	468	0.006323
7.96	61.00	0	
7.96	63.00	0	

Reviewer: YWL8, 28-Mar-2025 06:56:21 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

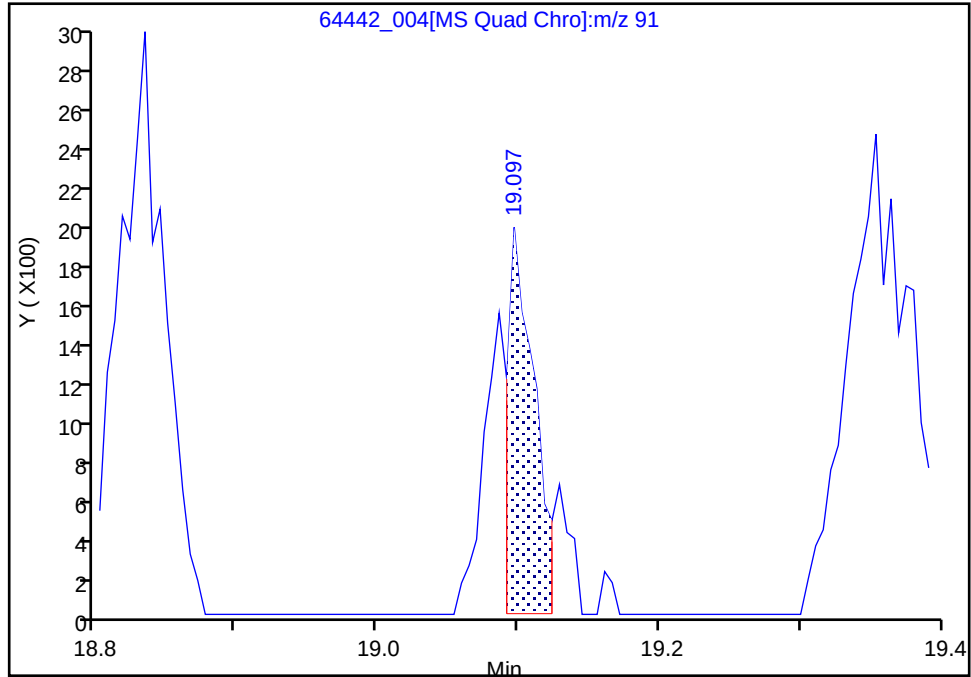
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D
Injection Date: 27-Mar-2025 11:29:02 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4

Signal: 1

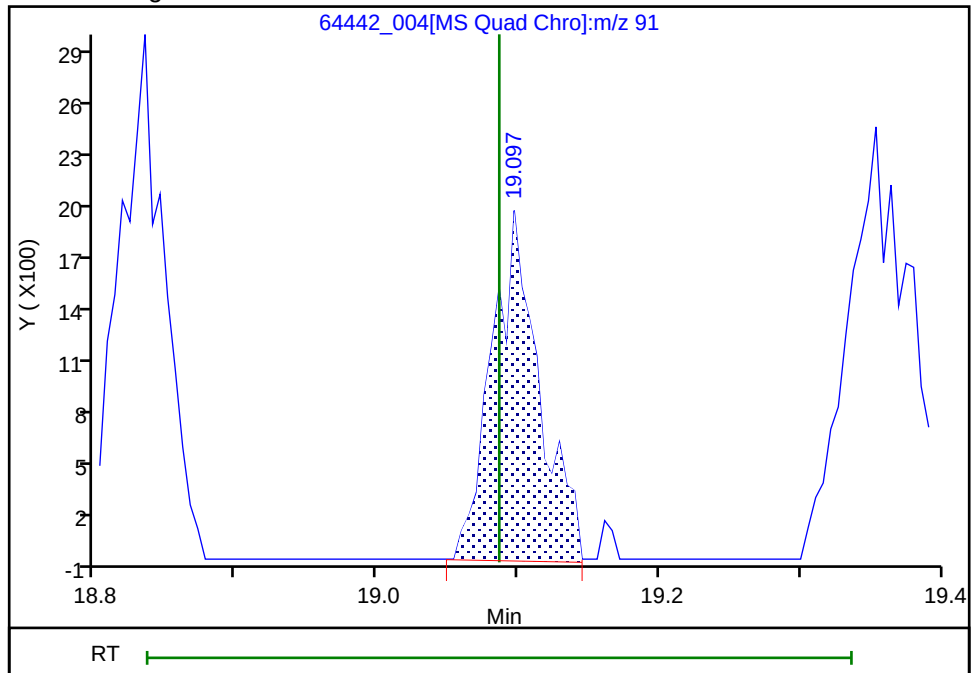
RT: 19.10
Area: 2677
Amount: 0.007969
Amount Units: ppb v/v

Processing Integration Results



RT: 19.10
Area: 4627
Amount: 0.013774
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 28-Mar-2025 06:57:09 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D

Injection Date: 27-Mar-2025 11:29:02

Instrument ID: CHAN.i

Lims ID: mb

Client ID:

Operator ID: wrd

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group:

AI_TO15_ICAL

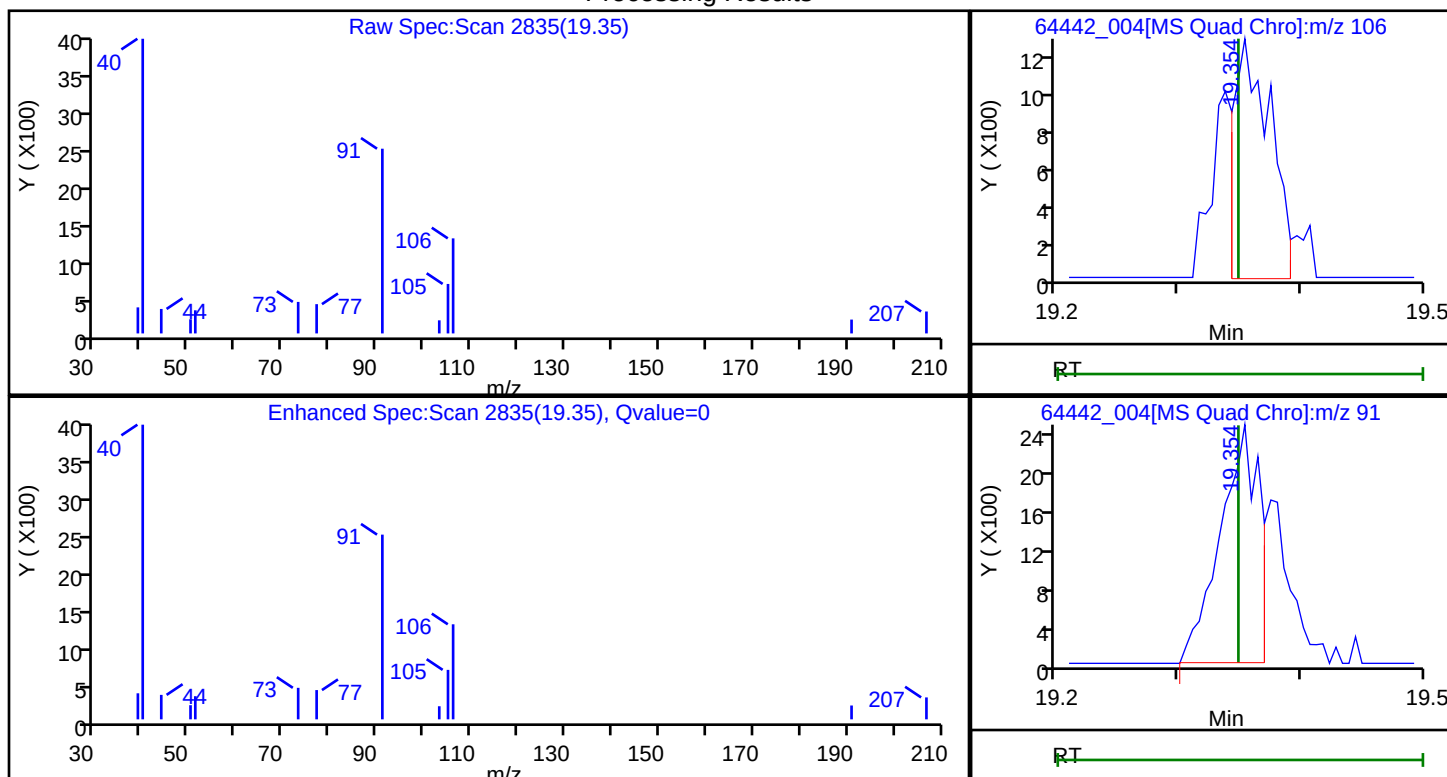
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
19.35	106.00	2662	0.020643
19.35	91.00	5497	

Reviewer: V0FK, 28-Mar-2025 09:19:00 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

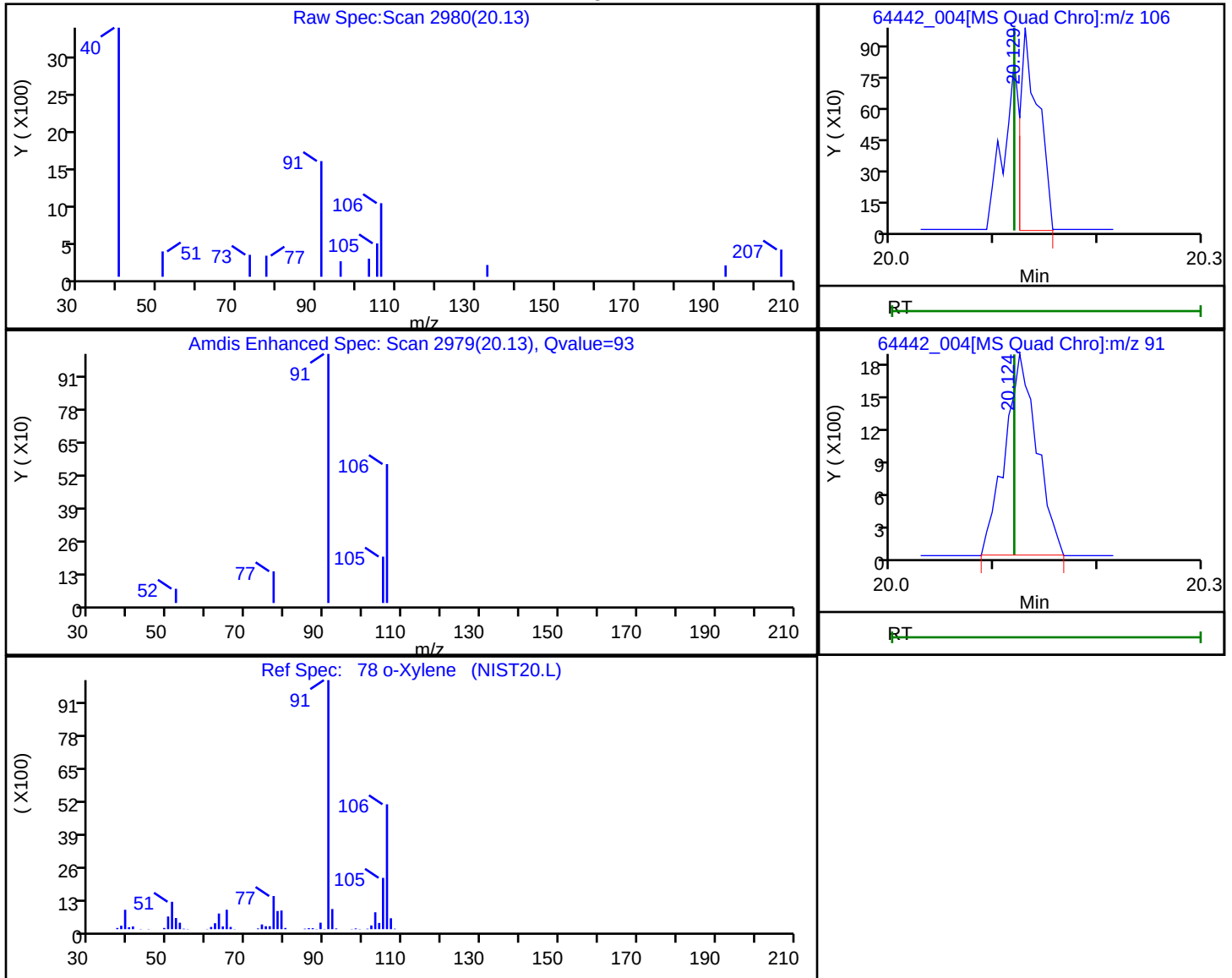
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D
Injection Date: 27-Mar-2025 11:29:02 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
20.13	106.00	1188	0.009578
20.12	91.00	3970	

Reviewer: V0FK, 28-Mar-2025 09:19:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

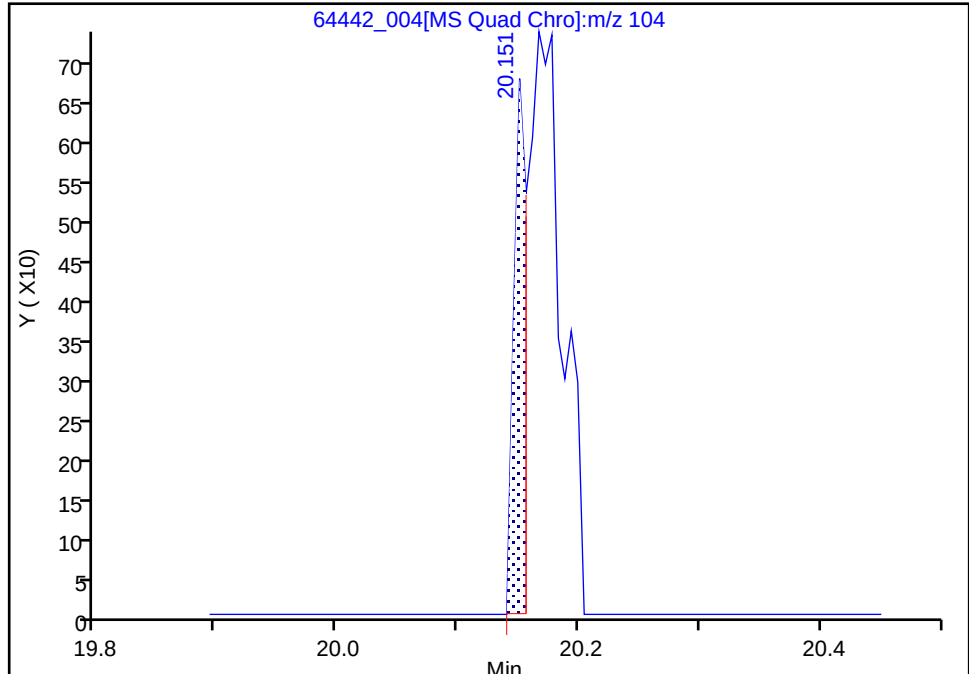
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D
Injection Date: 27-Mar-2025 11:29:02 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

79 Styrene, CAS: 100-42-5

Signal: 1

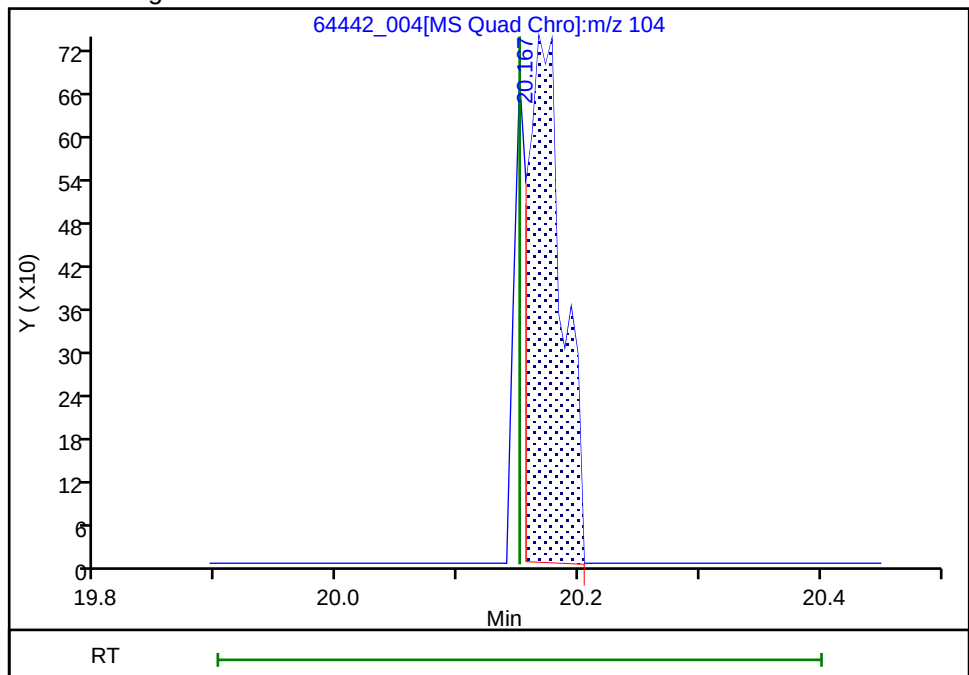
RT: 20.15
Area: 500
Amount: 0.002475
Amount Units: ppb v/v

Processing Integration Results



RT: 20.17
Area: 1463
Amount: 0.007242
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 28-Mar-2025 06:57:54 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

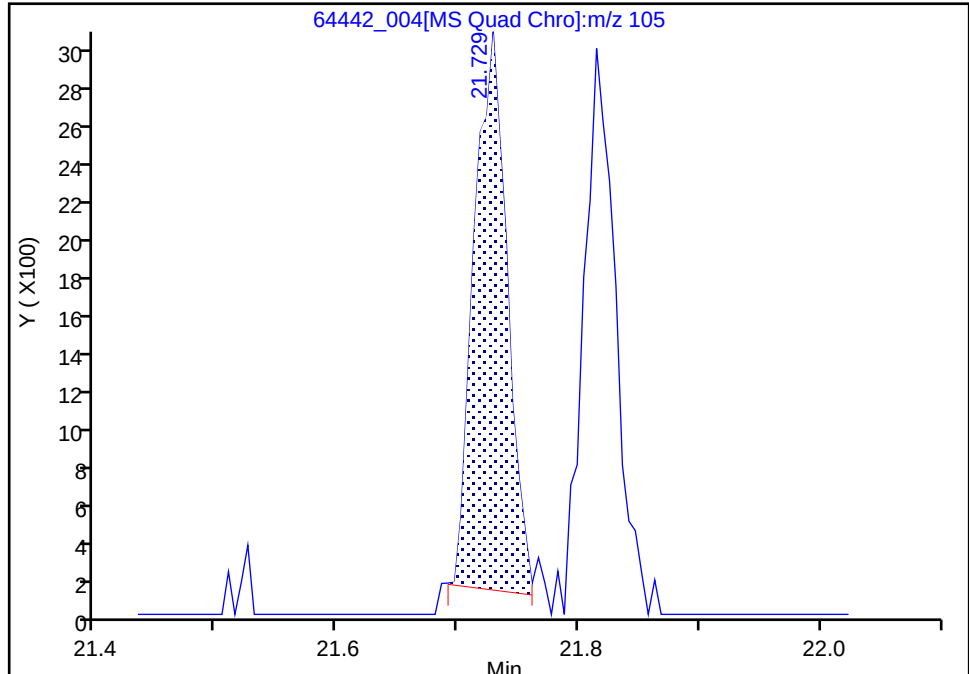
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D
Injection Date: 27-Mar-2025 11:29:02 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

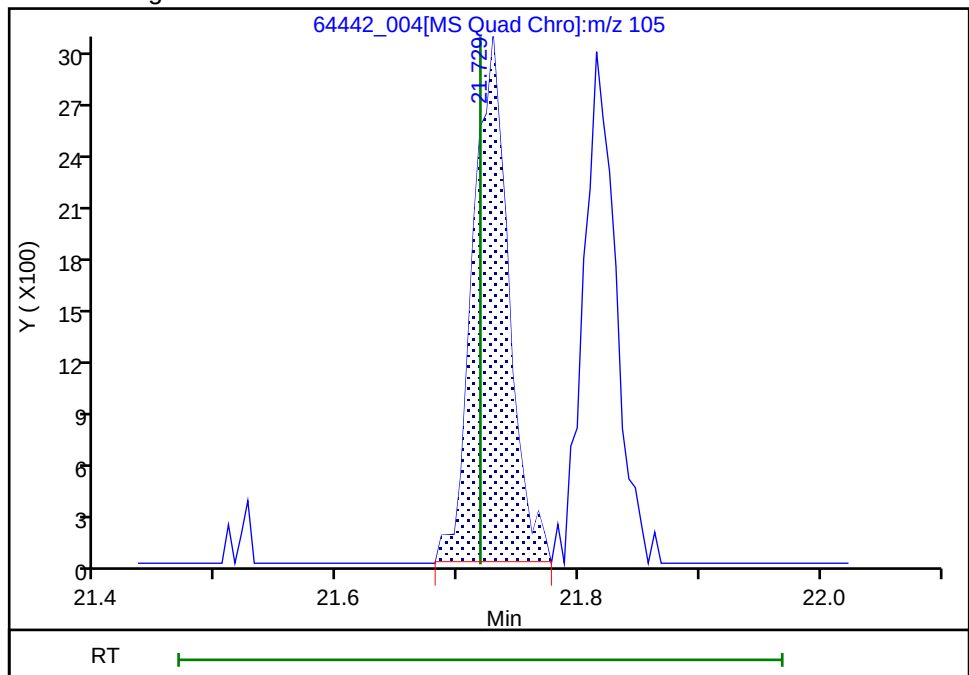
RT: 21.73
Area: 5526
Amount: 0.015155
Amount Units: ppb v/v

Processing Integration Results



RT: 21.73
Area: 6275
Amount: 0.017209
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 28-Mar-2025 06:58:13 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

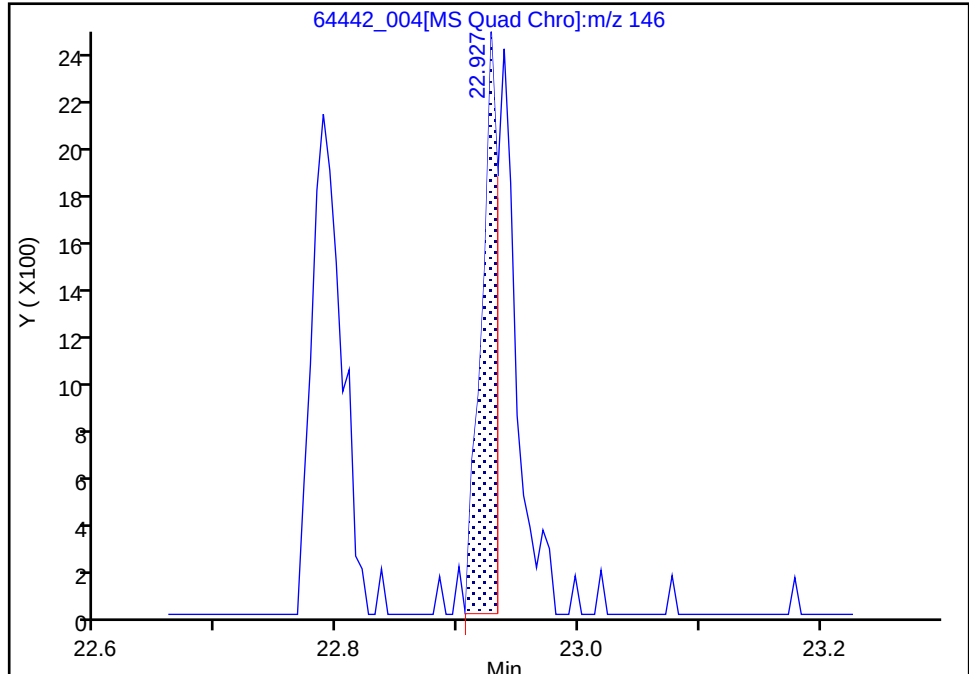
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D
Injection Date: 27-Mar-2025 11:29:02 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

96 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

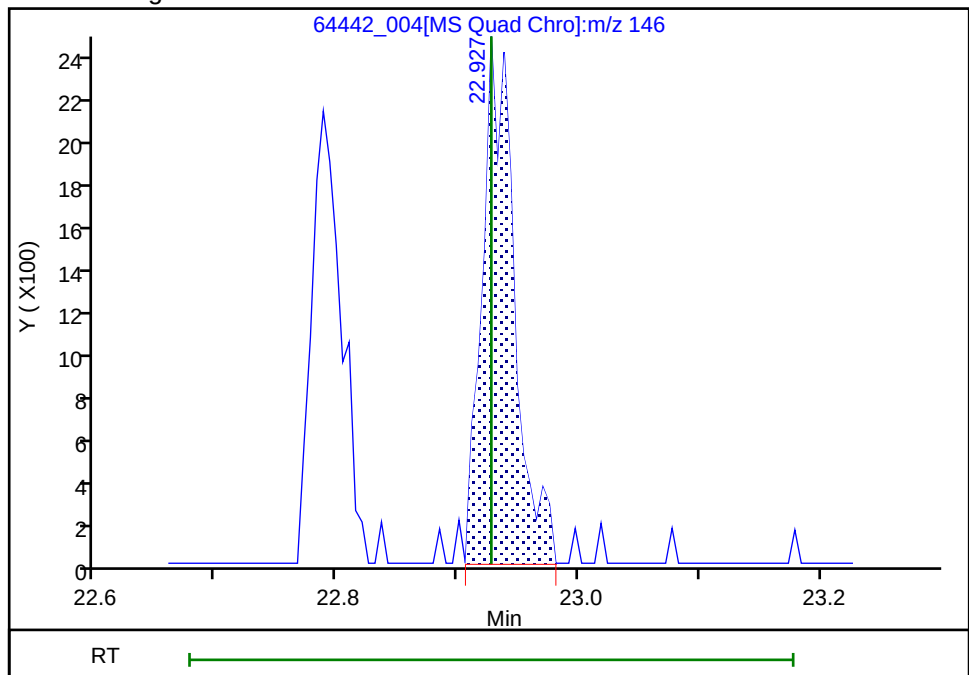
RT: 22.93
Area: 2321
Amount: 0.010941
Amount Units: ppb v/v

Processing Integration Results



RT: 22.93
Area: 4450
Amount: 0.020977
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 28-Mar-2025 06:58:29 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

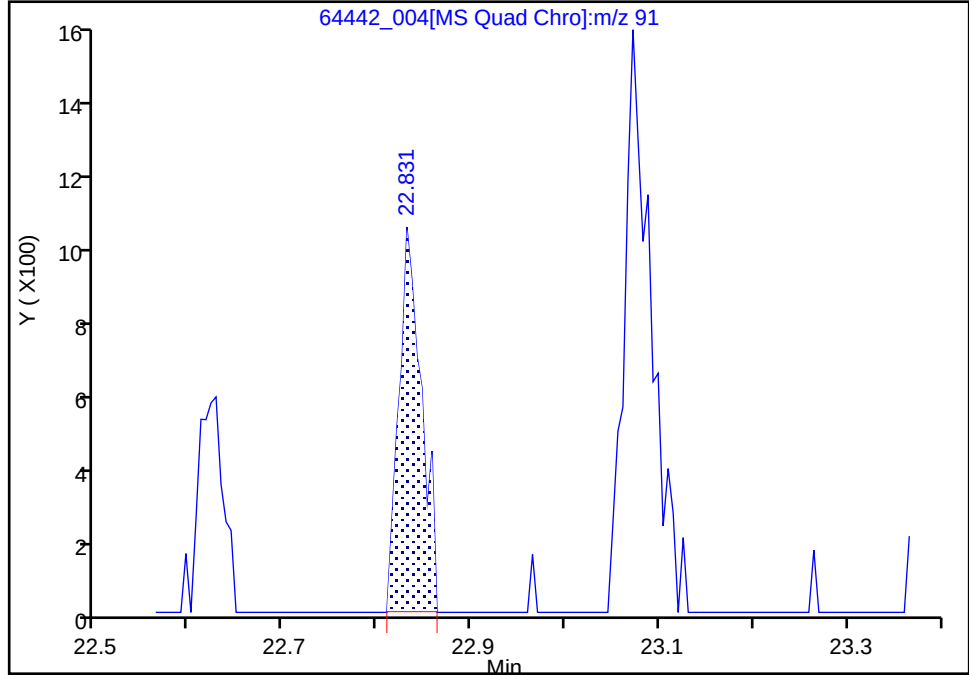
Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D
Injection Date: 27-Mar-2025 11:29:02 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

97 Benzyl chloride, CAS: 100-44-7

Signal: 1

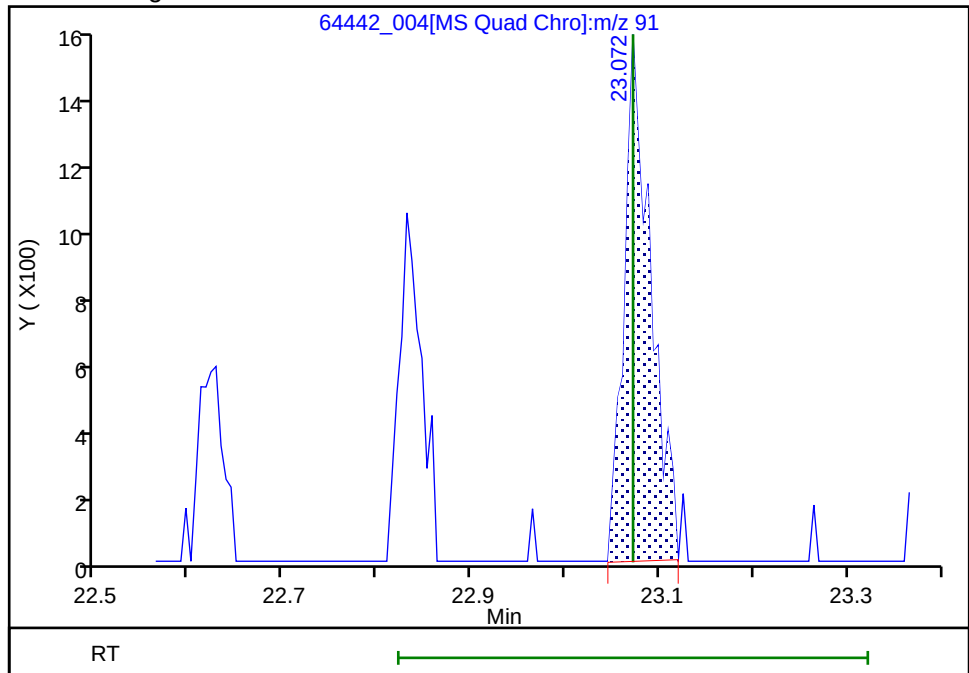
RT: 22.83
Area: 1682
Amount: 0.005823
Amount Units: ppb v/v

Processing Integration Results



RT: 23.07
Area: 3001
Amount: 0.010389
Amount Units: ppb v/v

Manual Integration Results



Reviewer: YWL8, 28-Mar-2025 06:58:35 07:00:00 (UTC)

Audit Action: Manually Integrated

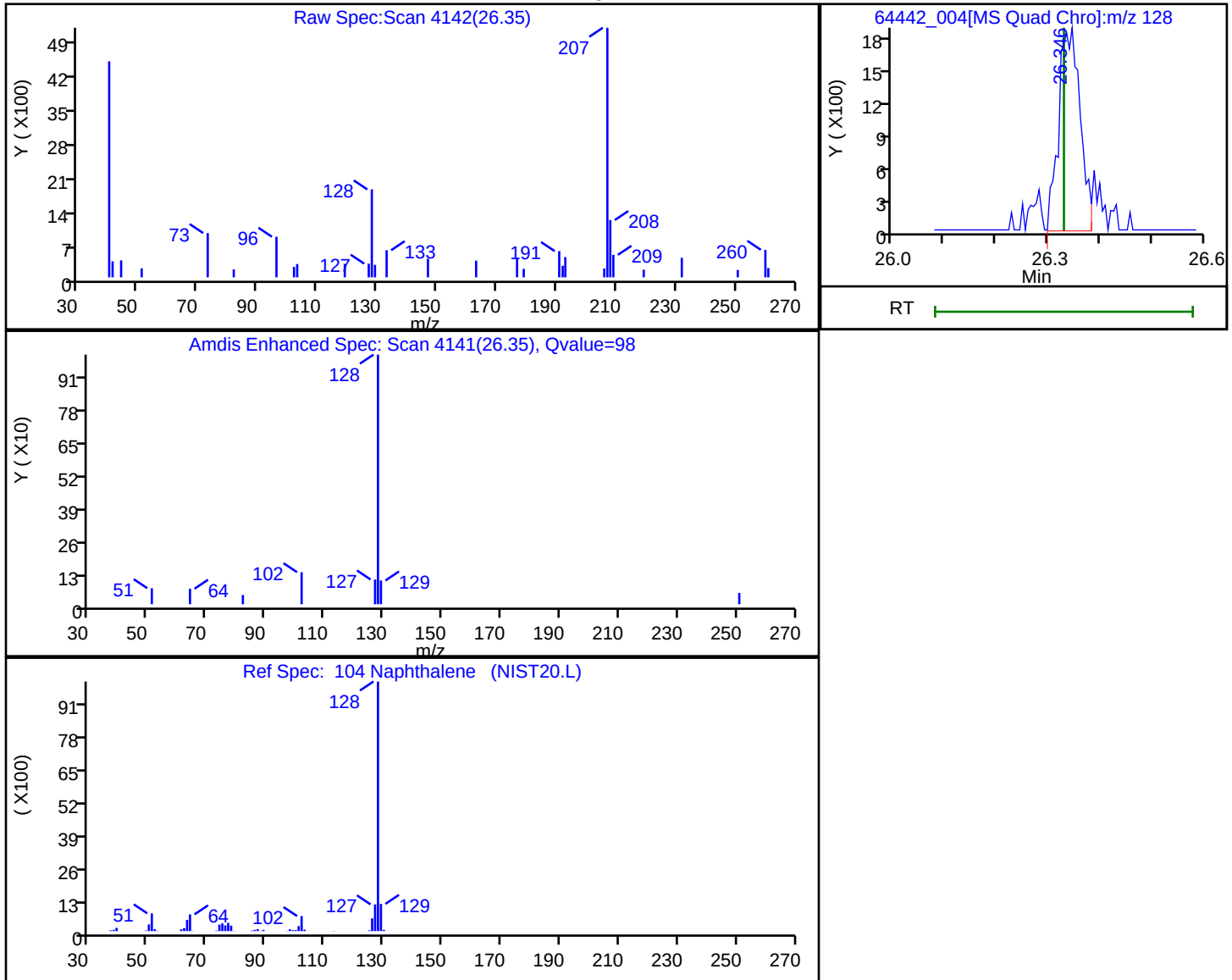
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_004.D
Injection Date: 27-Mar-2025 11:29:02 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN 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
26.35	128.00	5282	0.017161

Reviewer: V0FK, 28-Mar-2025 09:19:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1
SDG No.: _____
Lab File ID: 64097_001.D BFB Injection Date: 02/25/2025
Instrument ID: CHAN.i BFB Injection Time: 14:58
Analysis Batch No.: 213877

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.3
75	30.0 - 66.0% of mass 95	48.7
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	77.4
175	4.0 - 9.0 % of mass 174	6.1 (7.8) 1
176	93.0 - 101.0% of mass 174	74.5 (96.2) 1
177	5.0 - 9.0% of mass 176	4.9 (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 200-213877/4	64097_004.D	02/25/2025	17:38
	IC 200-213877/6	64097_006.D	02/25/2025	19:21
	IC 200-213877/7	64097_007.D	02/25/2025	20:12
	IC 200-213877/8	64097_008.D	02/25/2025	21:04
	ICIS 200-213877/9	64097_009.D	02/25/2025	21:55
	IC 200-213877/10	64097_010.D	02/25/2025	22:47
	IC 200-213877/13	64097_013.D	02/26/2025	1:21
	IC 200-213877/15	64097_015.D	02/26/2025	3:04
	ICV 200-213877/18	64097_018.D	02/26/2025	5:39

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1
SDG No.: _____
Lab File ID: 64442_001.D BFB Injection Date: 03/27/2025
Instrument ID: CHAN.i BFB Injection Time: 08:32
Analysis Batch No.: 214612

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	51.1
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	72.8
175	4.0 - 9.0 % of mass 174	5.9 (8.0) 1
176	93.0 - 101.0% of mass 174	70.7 (97.2) 1
177	5.0 - 9.0% of mass 176	4.7 (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 200-214612/2	64442_002.D	03/27/2025	9:45
	LCS 200-214612/3	64442_003.D	03/27/2025	10:37
	MB 200-214612/4	64442_004.D	03/27/2025	11:29
2847	200-77472-10	64442_019.D	03/28/2025	1:09

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1
 SDG No.: _____
 Sample No.: ICIS 200-213877/9 Date Analyzed: 02/25/2025 21:55
 Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 64097_009.D Heated Purge: (Y/N) N
 Calibration ID: 54783

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		838756	11.53	4029124	13.37	3531662	18.85
UPPER LIMIT		1174258	11.86	5640774	13.70	4944327	19.18
LOWER LIMIT		503254	11.20	2417474	13.04	2118997	18.52
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-213877/18		1005127	11.54	4821956	13.38	4242868	18.85

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.: 200-77472-1
 SDG No.: _____
 Sample No.: CCVIS 200-214612/2 Date Analyzed: 03/27/2025 09:45
 Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 64442_002.D Heated Purge: (Y/N) N
 Calibration ID: 54783

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		706854	11.52	3386983	13.37	3037334	18.83
UPPER LIMIT		989596	11.85	4741776	13.70	4252268	19.16
LOWER LIMIT		424112	11.19	2032190	13.04	1822400	18.50
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-214612/3		692562	11.52	3298283	13.37	2904136	18.84
MB 200-214612/4		742925	11.52	3615421	13.36	3112087	18.83
200-77472-10	2847	654288	11.52	3185317	13.36	2691293	18.83

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>200-77472-1</u>
SDG No.: _____	
Client Sample ID: <u>2847</u>	Lab Sample ID: <u>200-77472-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>64442_019.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/26/2025 00:00</u>
Sample wt/vol: <u>800 (mL)</u>	Date Analyzed: <u>03/28/2025 01:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.25</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>214612</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.3	U	1.3	1.3
75-71-8	Dichlorodifluoromethane	0.13	U	0.13	0.13
75-45-6	Freon 22	0.13	U	0.13	0.13
76-14-2	1,2-Dichlorotetrafluoroethane	0.050	U	0.050	0.050
74-87-3	Chloromethane	0.13	U	0.13	0.13
106-97-8	n-Butane	0.13	U	0.13	0.13
75-01-4	Vinyl chloride	0.035	U	0.035	0.035
106-99-0	1,3-Butadiene	0.050	U	0.050	0.050
74-83-9	Bromomethane	0.050	U	0.050	0.050
75-00-3	Chloroethane	0.13	U	0.13	0.13
593-60-2	Bromoethene (Vinyl Bromide)	0.050	U	0.050	0.050
75-69-4	Trichlorofluoromethane	0.050	U	0.050	0.050
64-17-5	Ethanol	1.3	U	1.3	1.3
76-13-1	Freon TF	0.050	U	0.050	0.050
75-35-4	1,1-Dichloroethene	0.035	U	0.035	0.035
67-64-1	Acetone	1.3	U	1.3	1.3
67-63-0	Isopropyl alcohol	1.3	U	1.3	1.3
75-15-0	Carbon disulfide	0.13	U	0.13	0.13
107-05-1	3-Chloropropene	0.13	U	0.13	0.13
75-09-2	Methylene Chloride	0.13	U	0.13	0.13
75-65-0	tert-Butyl alcohol	1.3	U	1.3	1.3
1634-04-4	Methyl tert-butyl ether	0.050	U	0.050	0.050
156-60-5	trans-1,2-Dichloroethene	0.050	U	0.050	0.050
110-54-3	n-Hexane	0.13	U	0.13	0.13
75-34-3	1,1-Dichloroethane	0.050	U	0.050	0.050
108-05-4	Vinyl acetate	1.3	U	1.3	1.3
141-78-6	Ethyl acetate	1.3	U	1.3	1.3
78-93-3	Methyl Ethyl Ketone	0.13	U	0.13	0.13
156-59-2	cis-1,2-Dichloroethene	0.035	U	0.035	0.035
540-59-0	1,2-Dichloroethene, Total	0.10	U	0.10	0.10
67-66-3	Chloroform	0.050	U	0.050	0.050
109-99-9	Tetrahydrofuran	1.3	U	1.3	1.3

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-77472-1</u>
SDG No.: _____	
Client Sample ID: <u>2847</u>	Lab Sample ID: <u>200-77472-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>64442_019.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/26/2025 00:00</u>
Sample wt/vol: <u>800 (mL)</u>	Date Analyzed: <u>03/28/2025 01:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.25</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>214612</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.050	U	0.050	0.050
110-82-7	Cyclohexane	0.050	U	0.050	0.050
56-23-5	Carbon tetrachloride	0.035	U	0.035	0.035
540-84-1	2,2,4-Trimethylpentane	0.050	U	0.050	0.050
71-43-2	Benzene	0.050	U	0.050	0.050
107-06-2	1,2-Dichloroethane	0.050	U	0.050	0.050
142-82-5	n-Heptane	0.050	U	0.050	0.050
79-01-6	Trichloroethene	0.035	U	0.035	0.035
80-62-6	Methyl methacrylate	0.13	U	0.13	0.13
78-87-5	1,2-Dichloropropane	0.050	U	0.050	0.050
123-91-1	1,4-Dioxane	1.3	U	1.3	1.3
75-27-4	Bromodichloromethane	0.050	U	0.050	0.050
10061-01-5	cis-1,3-Dichloropropene	0.050	U	0.050	0.050
108-10-1	methyl isobutyl ketone	0.13	U	0.13	0.13
108-88-3	Toluene	0.050	U	0.050	0.050
10061-02-6	trans-1,3-Dichloropropene	0.050	U	0.050	0.050
79-00-5	1,1,2-Trichloroethane	0.050	U	0.050	0.050
127-18-4	Tetrachloroethene	0.050	U	0.050	0.050
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.13	U	0.13	0.13
124-48-1	Dibromochloromethane	0.050	U	0.050	0.050
106-93-4	1,2-Dibromoethane	0.050	U	0.050	0.050
108-90-7	Chlorobenzene	0.050	U	0.050	0.050
100-41-4	Ethylbenzene	0.050	U	0.050	0.050
179601-23-1	m,p-Xylene	0.13	U	0.13	0.13
95-47-6	Xylene, o-	0.050	U	0.050	0.050
1330-20-7	Xylene (total)	0.18	U	0.18	0.18
100-42-5	Styrene	0.050	U	0.050	0.050
75-25-2	Bromoform	0.050	U	0.050	0.050
98-82-8	Cumene	0.050	U	0.050	0.050
79-34-5	1,1,2,2-Tetrachloroethane	0.050	U	0.050	0.050
103-65-1	n-Propylbenzene	0.050	U	0.050	0.050
622-96-8	4-Ethyltoluene	0.050	U	0.050	0.050

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

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-77472-1</u>
SDG No.: _____	
Client Sample ID: <u>2847</u>	Lab Sample ID: <u>200-77472-10</u>
Matrix: <u>Air</u>	Lab File ID: <u>64442_019.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>03/26/2025 00:00</u>
Sample wt/vol: <u>800 (mL)</u>	Date Analyzed: <u>03/28/2025 01:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.25</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>214612</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.050	U	0.050	0.050
95-49-8	2-Chlorotoluene	0.050	U	0.050	0.050
98-06-6	tert-Butylbenzene	0.050	U	0.050	0.050
95-63-6	1,2,4-Trimethylbenzene	0.050	U	0.050	0.050
135-98-8	sec-Butylbenzene	0.050	U	0.050	0.050
99-87-6	4-Isopropyltoluene	0.050	U	0.050	0.050
541-73-1	1,3-Dichlorobenzene	0.050	U	0.050	0.050
106-46-7	1,4-Dichlorobenzene	0.050	U	0.050	0.050
100-44-7	Benzyl chloride	0.050	U	0.050	0.050
104-51-8	n-Butylbenzene	0.050	U	0.050	0.050
95-50-1	1,2-Dichlorobenzene	0.050	U	0.050	0.050
120-82-1	1,2,4-Trichlorobenzene	0.13	U	0.13	0.13
87-68-3	Hexachlorobutadiene	0.050	U	0.050	0.050
91-20-3	Naphthalene	0.13	U	0.13	0.13

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_019.D
 Lims ID: 200-77472-A-10
 Client ID: 2847
 Sample Type: Client
 Inject. Date: 28-Mar-2025 01:09:08 ALS Bottle#: 19 Worklist Smp#: 19
 Purge Vol: 200.000 mL Dil. Factor: 0.2500
 Sample Info: 200-0064442-019
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 28-Mar-2025 13:16:31 Calib Date: 26-Feb-2025 03:04:44
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20250225-64097.b\64097_015.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1724

First Level Reviewer: YWL8

Date: 28-Mar-2025 13:16:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.348				ND	7
2 Dichlorodifluoromethane	85		4.444				ND	
3 Chlorodifluoromethane	51		4.487				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.808				ND	
5 Chloromethane	50		4.920				ND	7
6 Vinyl chloride	62		5.220				ND	
7 Butane	43		5.225				ND	7
8 Butadiene	54		5.332				ND	
9 Bromomethane	94		6.049				ND	
10 Chloroethane	64		6.322				ND	
13 Vinyl bromide	106		6.739				ND	
14 Trichlorofluoromethane	101		6.910				ND	
16 Ethanol	45		7.247				ND	
20 1,1-Dichloroethene	96		7.959				ND	MU
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.002				ND	
22 Acetone	43		8.012				ND	7
23 Isopropyl alcohol	45		8.296				ND	7
24 Carbon disulfide	76		8.360				ND	
26 3-Chloro-1-propene	41		8.644				ND	
27 Methylene Chloride	49		8.868				ND	7
28 2-Methyl-2-propanol	59		9.061				ND	
30 trans-1,2-Dichloroethene	61		9.371				ND	
31 Methyl tert-butyl ether	73		9.376				ND	
32 Hexane	57		9.890				ND	
33 1,1-Dichloroethane	63		10.131				ND	
34 Vinyl acetate	43		10.136				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
36 2-Butanone (MEK)	72		11.078				ND	
37 cis-1,2-Dichloroethene	96		11.115				ND	7
38 Ethyl acetate	88		11.174				ND	
* 39 Chlorobromomethane	128	11.522	11.522	0.000	84	654288	10.0	
40 Tetrahydrofuran	42		11.570				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Chloroform	83		11.698				ND	
42 1,1,1-Trichloroethane	97		12.019				ND	
43 Cyclohexane	84		12.169				ND	
44 Carbon tetrachloride	117		12.303				ND	
45 Benzene	78		12.640				ND	7
46 1,2-Dichloroethane	62		12.699				ND	
47 Isooctane	57		12.870				ND	
48 n-Heptane	43		13.180				ND	7
* 49 1,4-Difluorobenzene	114	13.362	13.367	-0.005	95	3185317	10.0	
51 Trichloroethene	95		13.806				ND	
53 1,2-Dichloropropane	63		14.250				ND	
54 Methyl methacrylate	69		14.336				ND	
55 1,4-Dioxane	88		14.373				ND	
57 Dibromomethane	174	14.405	14.405	0.005	4	1347	0.0167	M
58 Dichlorobromomethane	83		14.710				ND	
59 cis-1,3-Dichloropropene	75		15.513				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.769				ND	
62 Toluene	92		16.165				ND	
66 trans-1,3-Dichloropropene	75		16.561				ND	
67 1,1,2-Trichloroethane	83		16.936				ND	
68 Tetrachloroethene	166		17.160				ND	
69 2-Hexanone	43		17.342				ND	
70 Chlorodibromomethane	129		17.674				ND	
71 Ethylene Dibromide	107		17.915				ND	
* 73 Chlorobenzene-d5	117	18.829	18.829	0.000	88	2691293	10.0	
74 Chlorobenzene	112		18.894				ND	
75 Ethylbenzene	91		19.086				ND	MU
76 m-Xylene & p-Xylene	106		19.348				ND	
S 80 Xylenes, Total	106		20.100				ND	7
78 o-Xylene	106		20.119				ND	
79 Styrene	104		20.151				ND	
81 Bromoform	173		20.483				ND	
82 Isopropylbenzene	105		20.814				ND	
83 1,1,2,2-Tetrachloroethane	83		21.306				ND	7
85 N-Propylbenzene	91		21.526				ND	
86 2-Chlorotoluene	91		21.670				ND	
87 4-Ethyltoluene	105		21.718				ND	7
88 1,3,5-Trimethylbenzene	105		21.815				ND	7
91 tert-Butylbenzene	119		22.296				ND	
92 1,2,4-Trimethylbenzene	105		22.382				ND	7
93 sec-Butylbenzene	105		22.622				ND	7
94 1,3-Dichlorobenzene	146		22.788				ND	
95 4-Isopropyltoluene	119		22.831				ND	7
96 1,4-Dichlorobenzene	146		22.927				ND	
97 Benzyl chloride	91		23.072				ND	
98 n-Butylbenzene	91		23.387				ND	
99 1,2-Dichlorobenzene	146		23.414				ND	
102 1,2,4-Trichlorobenzene	180		25.859				ND	
103 Hexachlorobutadiene	225		26.116				ND	
104 Naphthalene	128		26.330				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_019.D

Injection Date: 28-Mar-2025 01:09:08

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: 200-77472-A-10

Lab Sample ID: 200-77472-10

Worklist Smp#: 19

Client ID: 2847

Purge Vol: 200.000 mL

Dil. Factor: 0.2500

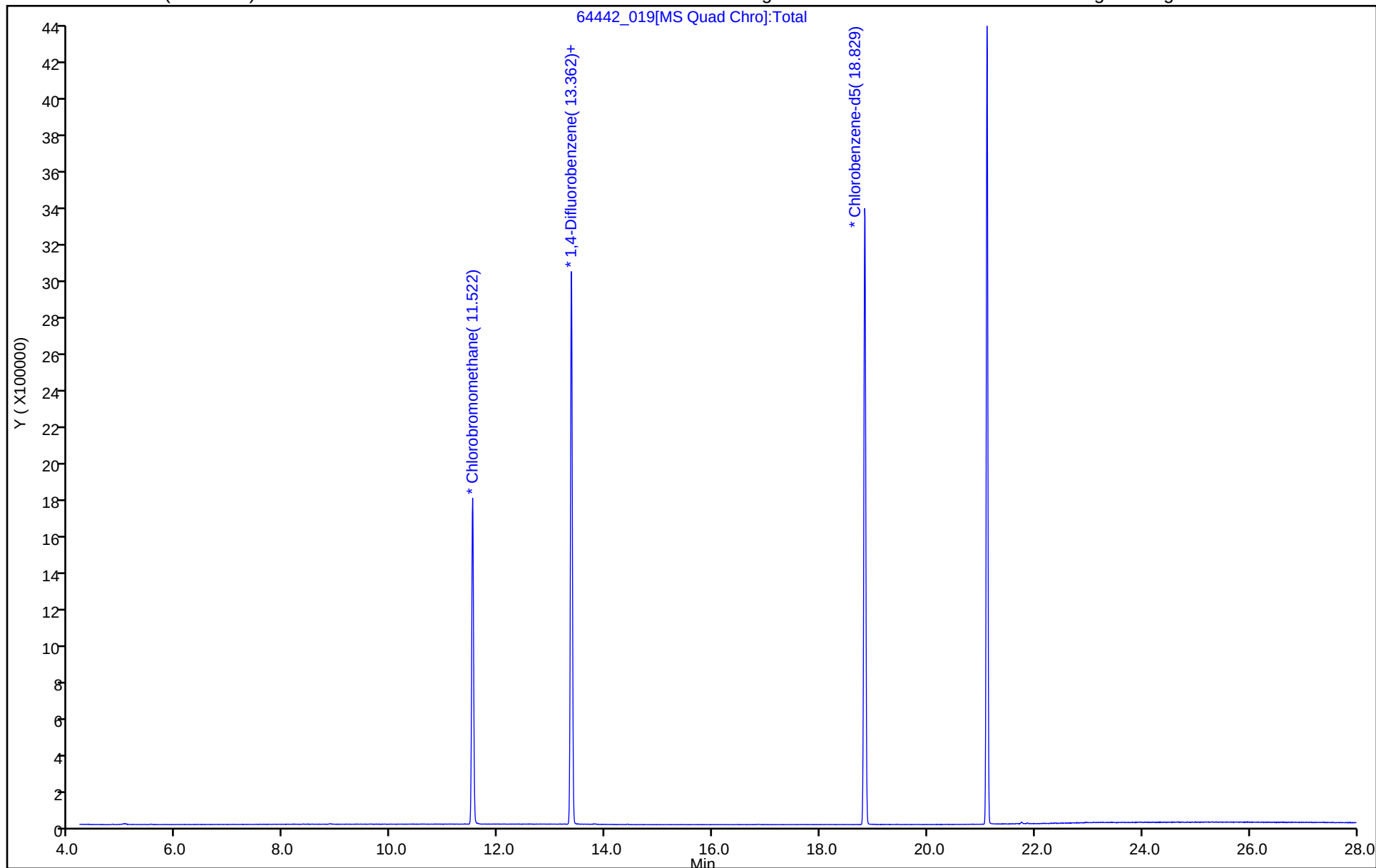
ALS Bottle#: 19

Method: TO15_TO3_Master_Method_AN

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\CHAN.i\20250327-64442.b\64442_019.D

Injection Date: 28-Mar-2025 01:09:08

Instrument ID: CHAN.i

Lims ID: 200-77472-A-10

Lab Sample ID: 200-77472-10

Client ID: 2847

Operator ID: wrd

ALS Bottle#: 19 Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 0.2500

Method: TO15_TO3_Master_Method_AN

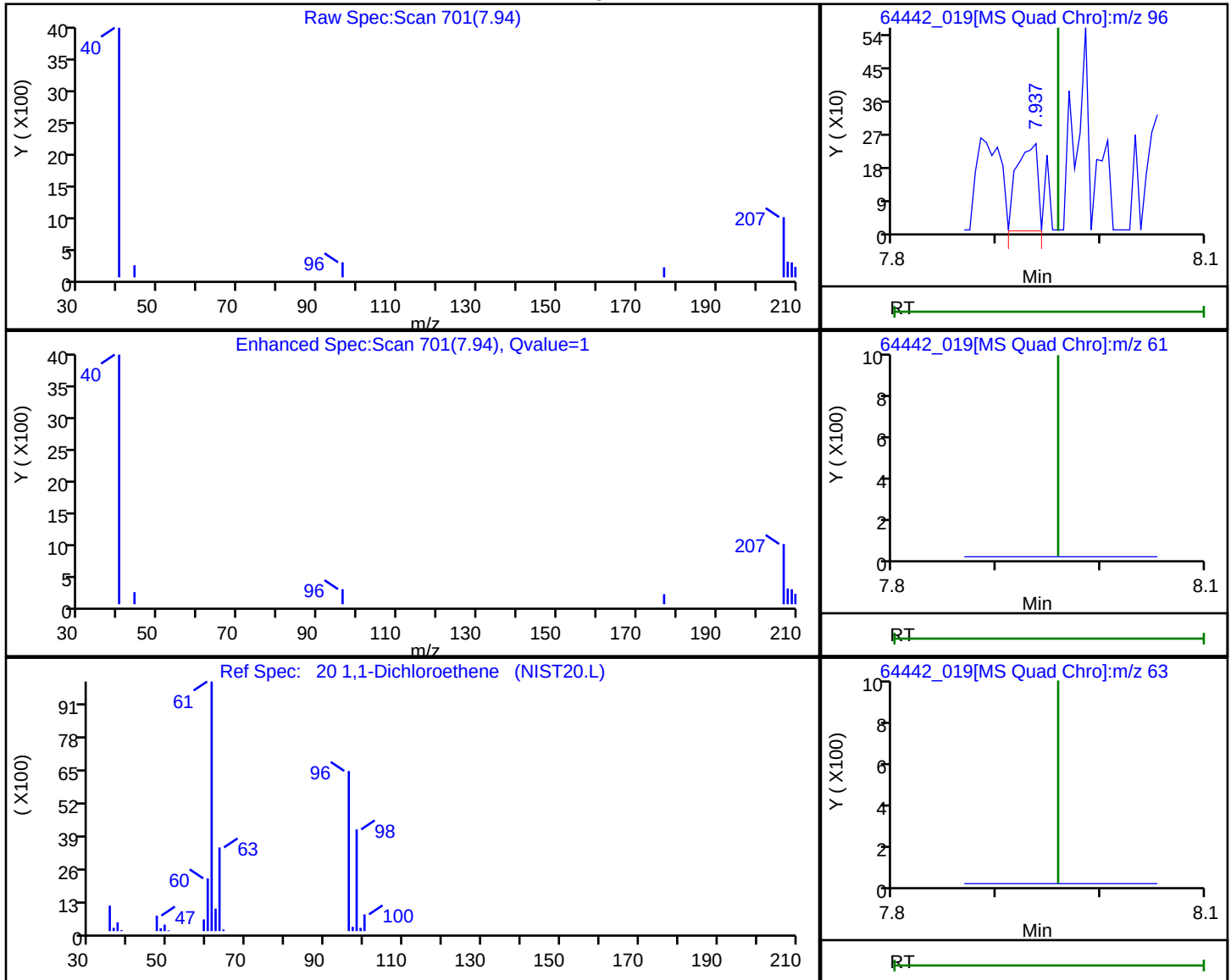
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
7.94	96.00	329	0.005047
7.96	61.00	0	
7.96	63.00	0	

Reviewer: YWL8, 28-Mar-2025 13:15:54 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20250327-64442.b\64442_019.D

Injection Date: 28-Mar-2025 01:09:08

Instrument ID: CHAN.i

Lims ID: 200-77472-A-10

Lab Sample ID: 200-77472-10

Client ID: 2847

Operator ID: wrd

ALS Bottle#: 19 Worklist Smp#: 19

Purge Vol: 200.000 mL

Dil. Factor: 0.2500

Method: TO15_TO3_Master_Method_AN

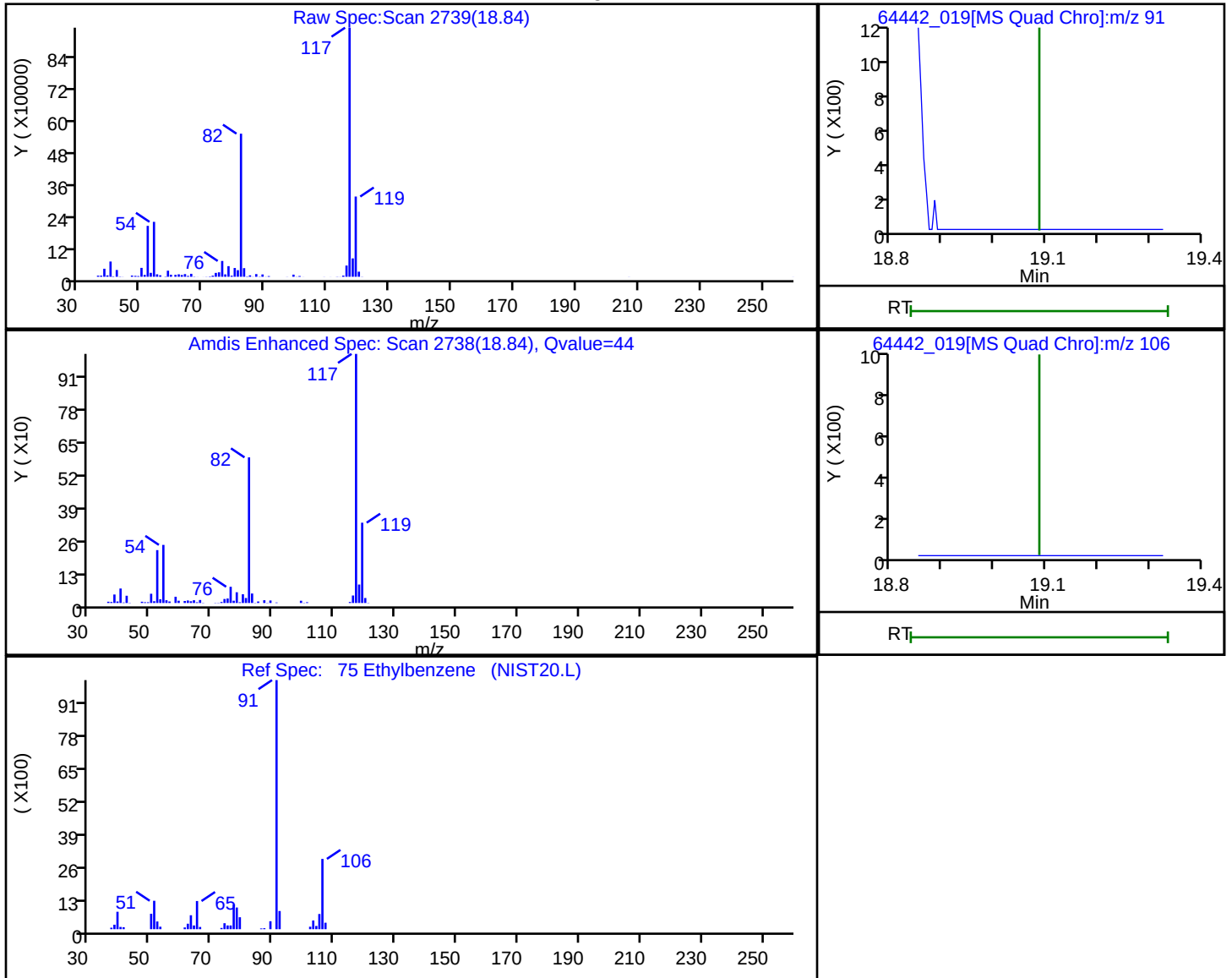
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.84	91.00	5824	0.020048
19.09	106.00	0	

Reviewer: YWL8, 28-Mar-2025 13:16:21 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877
SDG No.: _____
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-213877/4	64097_004.D
Level 2	IC 200-213877/6	64097_006.D
Level 3	IC 200-213877/7	64097_007.D
Level 4	IC 200-213877/8	64097_008.D
Level 5	ICIS 200-213877/9	64097_009.D
Level 6	IC 200-213877/10	64097_010.D
Level 7	IC 200-213877/13	64097_013.D
Level 8	IC 200-213877/15	64097_015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 0.6213	++++ 0.5856	++++ 0.5832	0.6591	0.6611	Ave		0.622 1				6.1		30.0			
Dichlorodifluoromethane	++++ 2.7096	++++ 2.4935	3.3764 2.4358	2.9334	2.8939	Ave		2.807 1				12.3		30.0			
Freon 22	++++ 1.3560	++++ 1.2609	1.6272 1.2253	1.4596	1.4373	Ave		1.394 4				10.5		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.6799	2.6647 2.4976	3.3060 2.4202	2.9111	2.8700	Ave		2.764 2				10.8		30.0			
Chloromethane	++++ 0.7227	++++ 0.6783	0.8648 0.6676	0.7594	0.7688	Ave		0.743 6				9.7		30.0			
Vinyl chloride	0.8976 0.8057	0.8771 0.7470	0.9898 0.7509	0.8381	0.8443	Ave		0.843 8				9.5		30.0			
n-Butane	++++ 0.9439	++++ 0.8753	1.1427 0.8765	0.9812	0.9782	Ave		0.966 3				10.2		30.0			
1,3-Butadiene	0.7841 0.5685	0.6105 0.5294	0.7350 0.5361	0.5925	0.5929	Ave		0.618 6				14.9		30.0			
Bromomethane	++++ 0.9844	0.9705 0.9008	1.1539 0.9140	1.0166	1.0134	Ave		0.993 4				8.4		30.0			
Chloroethane	++++ 0.4788	++++ 0.4445	0.5755 0.4532	0.4859	0.4957	Ave		0.488 9				9.6		30.0			
Isopentane	++++ 0.8030	0.8569 0.7361	0.9742 0.7392	0.8166	0.8270	Ave		0.821 9				9.8		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.9538	0.9181 0.8772	1.1268 0.8960	0.9877	0.9903	Ave		0.964 3				8.7		30.0			
Trichlorofluoromethane	++++ 2.5068	2.5159 2.2660	3.0778 2.2660	2.6995	2.6608	Ave		2.570 4				10.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877
SDG No.: _____
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 1.1713	++++ 1.0711	1.3355 1.0838	1.2118	1.2234	Ave		1.182 8				8.3		30.0			
Ethanol	++++ 0.3051	++++ 0.2816	0.3076 0.2823	0.3256	0.3181	Ave		0.303 4				6.0		30.0			
Ethyl ether	++++ 0.5794	0.5483 0.5342	0.6708 0.5508	0.5915	0.6076	Ave		0.583 2				8.0		30.0			
Acrolein	++++ 0.2909	++++ 0.2689	++++ 0.2699	0.2938	0.3092	Ave		0.286 5				6.0		30.0			
1,1-Dichloroethene	0.9669 0.9510	1.1066 0.8769	1.1866 0.8906	0.9842	1.0076	Ave		0.996 3				10.5		30.0			
Freon TF	++++ 1.9676	2.0126 1.7961	2.3931 1.8144	2.0753	2.0695	Ave		2.018 4				9.9		30.0			
Acetone	++++ 1.1311	++++ 1.0193	++++ 1.0266	1.1610	1.1897	Ave		1.105 5				7.1		30.0			
Isopropyl alcohol	++++ 1.1814	++++ 1.0368	++++ 1.0622	1.1745	1.1950	Ave		1.130 0				6.6		30.0			
Carbon disulfide	++++ 2.5582	++++ 2.3605	3.0224 2.3784	2.6644	2.6674	Ave		2.608 5				9.3		30.0			
Acetonitrile	++++ 0.4812	++++ 0.4406	++++ 0.4594	0.4856	0.4966	Ave		0.472 7				4.7		30.0			
3-Chloropropene	++++ 0.7881	0.9100 0.7617	0.9031 0.7859	0.8568	0.8612	Ave		0.838 1				7.1		30.0			
Methylene Chloride	++++ 0.8117	++++ 0.7515	0.9853 0.7643	0.8621	0.8579	Ave		0.838 8				10.2		30.0			
tert-Butyl alcohol	++++ 1.8315	++++ 1.6308	++++ 1.6650	1.8540	1.8676	Ave		1.769 8				6.4		30.0			
Acrylonitrile	++++ 0.5204	++++ 0.4871	0.5227 0.5085	0.5214	0.5395	Ave		0.516 6				3.4		30.0			
trans-1,2-Dichloroethene	1.2500 1.1762	1.1452 1.0758	1.4163 1.1007	1.2426	1.2457	Ave		1.206 6				9.0		30.0			
Methyl tert-butyl ether	++++ 2.5123	2.4911 2.2917	2.9992 2.3170	2.6274	2.6542	Ave		2.556 1				9.4		30.0			
n-Hexane	++++ 1.1403	1.1879 1.0524	1.3288 1.0802	1.1881	1.1938	Ave		1.167 4				7.8		30.0			
1,1-Dichloroethane	1.6069 1.4689	1.4754 1.3397	1.7576 1.3646	1.5448	1.5464	Ave		1.513 0				8.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877

SDG No.: _____

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

Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	+++++ 1.5495	+++++ 1.4468	+++++ 1.4874	1.5474	1.6199	Ave		1.530 2				4.3		30.0			
Methyl Ethyl Ketone	+++++ 0.4344	+++++ 0.4019	0.4600 0.4164	0.4317	0.4535	Ave		0.433 0				5.1		30.0			
cis-1,2-Dichloroethene	1.1204 0.9884	0.9882 0.9084	1.1858 0.9379	1.0362	1.0385	Ave		1.025 5				9.0		30.0			
Ethyl acetate	+++++ 0.0820	+++++ 0.0739	+++++ 0.0782	0.0807	0.0829	Ave		0.079 5				4.5		30.0			
Tetrahydrofuran	+++++ 0.1502	+++++ 0.1375	+++++ 0.1412	0.1535	0.1513	Ave		0.146 7				4.7		30.0			
Chloroform	+++++ 1.9505	1.9817 1.7795	2.2987 1.8011	2.0627	2.0616	Ave		1.990 8				8.9		30.0			
1,1,1-Trichloroethane	+++++ 0.4368	0.4294 0.4004	0.5244 0.4027	0.4645	0.4587	Ave		0.445 3				9.6		30.0			
Cyclohexane	+++++ 0.2473	0.2314 0.2286	0.2785 0.2341	0.2524	0.2541	Ave		0.246 6				7.1		30.0			
Carbon tetrachloride	0.3858 0.4479	0.4322 0.4138	0.5274 0.4117	0.4789	0.4733	Ave		0.446 4				10.2		30.0			
Benzene	+++++ 0.5667	0.5681 0.5224	0.6676 0.5284	0.5901	0.5861	Ave		0.575 6				8.4		30.0			
1,2-Dichloroethane	+++++ 0.2722	0.2668 0.2505	0.3179 0.2505	0.2856	0.2802	Ave		0.274 8				8.5		30.0			
2,2,4-Trimethylpentane	+++++ 0.7669	0.7650 0.7066	0.8813 0.7075	0.7940	0.7901	Ave		0.773 1				7.7		30.0			
n-Heptane	+++++ 0.2525	0.2648 0.2322	0.2882 0.2366	0.2612	0.2598	Ave		0.256 5				7.3		30.0			
n-Butanol	+++++ 0.1299	+++++ 0.1161	+++++ 0.1242	0.1240	0.1277	Ave		0.124 4				4.2		30.0			
Trichloroethene	0.2660 0.2714	0.2518 0.2498	0.3125 0.2558	0.2840	0.2794	Ave		0.271 3				7.7		30.0			
1,2-Dichloropropane	+++++ 0.1869	0.1820 0.1726	0.2085 0.1757	0.1938	0.1930	Ave		0.187 5				6.5		30.0			
Methyl methacrylate	+++++ 0.1996	+++++ 0.1838	0.1986 0.1917	0.1935	0.2009	Ave		0.194 7				3.3		30.0			
1,4-Dioxane	+++++ 0.1338	0.1146 0.1163	0.1454 0.1185	0.1353	0.1317	Ave		0.127 9				9.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877

SDG No.: _____

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

Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 0.2490	0.2750 0.2269	0.2859 0.2314	0.2572	0.2521	Ave		0.253 9				8.4		30.0			
Bromodichloromethane	++++ 0.4435	0.4054 0.4118	0.5093 0.4180	0.4648	0.4646	Ave		0.445 3				8.4		30.0			
cis-1,3-Dichloropropene	++++ 0.3714	0.3187 0.3460	0.3974 0.3531	0.3795	0.3802	Ave		0.363 8				7.2		30.0			
methyl isobutyl ketone	++++ 0.3356	++++ 0.3103	0.3427 0.3201	0.3468	0.3474	Ave		0.333 8				4.6		30.0			
Toluene	++++ 0.4846	0.4719 0.4404	0.5515 0.4423	0.4970	0.4980	Ave		0.483 7				7.9		30.0			
n-Octane	++++ 0.3464	0.3548 0.3191	0.4018 0.3221	0.3638	0.3587	Ave		0.352 4				7.9		30.0			
trans-1,3-Dichloropropene	++++ 0.3048	0.2681 0.2844	0.3287 0.2933	0.3171	0.3174	Ave		0.302 0				7.1		30.0			
1,1,2-Trichloroethane	++++ 0.2345	0.2171 0.2147	0.2670 0.2175	0.2411	0.2406	Ave		0.233 2				8.0		30.0			
Tetrachloroethene	0.4067 0.4000	0.4066 0.3613	0.4593 0.3620	0.4120	0.4134	Ave		0.402 7				7.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3794	++++ 0.3388	0.3467 0.3472	0.3750	0.3814	Ave		0.361 4				5.3		30.0			
Dibromochloromethane	++++ 0.5153	0.4727 0.4929	0.5736 0.4913	0.5417	0.5535	Ave		0.520 1				7.1		30.0			
1,2-Dibromoethane	++++ 0.4584	0.4055 0.4168	0.5034 0.4215	0.4632	0.4720	Ave		0.448 7				7.9		30.0			
Chlorobenzene	++++ 0.6590	0.6629 0.5975	0.7654 0.5966	0.6831	0.6816	Ave		0.663 7				8.7		30.0			
Ethylbenzene	++++ 1.0821	1.0729 0.9715	1.2471 0.9416	1.1213	1.1196	Ave		1.079 4				9.4		30.0			
m,p-Xylene	++++ 0.4176	0.4056 0.3739	0.4711 0.3715	0.4314	0.4296	Ave		0.414 4				8.4		30.0			
n-Nonane	++++ 0.4409	0.4543 0.3973	0.5011 0.4002	0.4521	0.4537	Ave		0.442 8				8.1		30.0			
Xylene, o-	++++ 0.4036	0.3671 0.3644	0.4601 0.3647	0.4164	0.4136	Ave		0.398 6				9.0		30.0			
Styrene	++++ 0.6760	0.5677 0.6112	0.7023 0.6063	0.6853	0.6954	Ave		0.649 2				8.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877
SDG No.: _____
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 0.4221	0.3941 0.4660	0.5096 0.4659	0.4991	0.5239	Ave		0.468 7				10.1		30.0			
Cumene	++++ 1.2209	1.1812 1.0876	1.4158 1.0256	1.2800	1.2653	Ave		1.210 9				10.7		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.6137	0.5886 0.5502	0.6858 0.5481	0.6257	0.6291	Ave		0.605 9				8.0		30.0			
1,2,3-Trichloropropane	++++ 0.4850	++++ 0.4327	0.5546 0.4318	0.5003	0.4965	Ave		0.483 5				9.6		30.0			
n-Propylbenzene	++++ 1.4355	1.4193 1.2783	1.6886 1.1374	1.5274	1.5056	Ave		1.427 4				12.5		30.0			
2-Chlorotoluene	++++ 0.9178	0.8868 0.8169	1.0495 0.7832	0.9526	0.9514	Ave		0.908 3				9.9		30.0			
4-Ethyltoluene	++++ 1.1956	1.0988 1.0604	1.3572 0.9794	1.2621	1.2480	Ave		1.171 6				11.2		30.0			
1,3,5-Trimethylbenzene	++++ 1.0209	0.9602 0.9089	1.1777 0.8662	1.0792	1.0651	Ave		1.011 2				10.6		30.0			
n-Decane	++++ 0.5653	++++ 0.5059	0.6451 0.4926	0.5914	0.5868	Ave		0.564 5				10.1		30.0			
Alpha Methyl Styrene	++++ 0.5511	0.4610 0.4958	0.5493 0.4887	0.5612	0.5684	Ave		0.525 1				8.1		30.0			
tert-Butylbenzene	++++ 0.9765	0.9905 0.8690	1.1434 0.8208	1.0377	1.0146	Ave		0.978 9				11.0		30.0			
1,2,4-Trimethylbenzene	++++ 1.0374	0.9734 0.9211	1.1647 0.8607	1.0880	1.0709	Ave		1.016 6				10.3		30.0			
sec-Butylbenzene	++++ 1.4701	1.4303 1.2906	1.7228 1.1129	1.5686	1.5490	Ave		1.449 2				13.7		30.0			
1,3-Dichlorobenzene	++++ 0.7042	0.6255 0.6253	0.7884 0.6024	0.7356	0.7353	Ave		0.688 1				10.3		30.0			
4-Isopropyltoluene	++++ 1.2534	1.2209 1.1104	1.4365 0.9903	1.3474	1.3181	Ave		1.239 6				12.1		30.0			
1,4-Dichlorobenzene	++++ 0.7011	0.6373 0.6240	0.7462 0.6062	0.7294	0.7273	Ave		0.681 6				8.4		30.0			
Benzyl chloride	++++ 0.9843	0.8168 0.8863	0.9396 0.8470	1.0150	1.0084	Ave		0.928 2				8.6		30.0			
n-Butylbenzene	++++ 1.2169	1.0708 1.0764	1.3143 0.9660	1.2907	1.2721	Ave		1.172 5				11.5		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877

SDG No.: _____

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

Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	+++++ 0.6741	0.6262 0.5992	0.7455 0.5766	0.7017	0.6967	Ave		0.660 n				9.3		30.0			
n-Undecane	+++++ 0.6390	+++++ 0.5720	+++++ 0.5534	0.6480	0.6504	Ave		0.612 6				7.5		30.0			
n-Dodecane	+++++ 0.6220	+++++ 0.5374	+++++ 0.5240	0.5593	0.6174	Ave		0.572 n				7.9		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5083	+++++ 0.4464	0.3650 0.4492	0.4595	0.5065	Ave		0.455 8				11.5		30.0			
Hexachlorobutadiene	+++++ 0.4304	0.4162 0.3844	0.4642 0.3756	0.4445	0.4398	Ave		0.422 2				7.7		30.0			
Naphthalene	+++++ 1.2090	0.7326 1.0094	0.7657 0.9762	1.0294	1.2007	Ave		0.989 n				19.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4843	+++++ 0.4265	0.3671 0.4197	0.4478	0.4847	Ave		0.438 4				10.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877

SDG No.: _____

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

Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-213877/4	64097_004.D
Level 2	IC 200-213877/6	64097_006.D
Level 3	IC 200-213877/7	64097_007.D
Level 4	IC 200-213877/8	64097_008.D
Level 5	ICIS 200-213877/9	64097_009.D
Level 6	IC 200-213877/10	64097_010.D
Level 7	IC 200-213877/13	64097_013.D
Level 8	IC 200-213877/15	64097_015.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	++++ 845711	++++ 1129059	++++ 2357393	230414	554423	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 3688079	++++ 4807632	++++ 9846217	1025458	2426845	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
Freon 22	BCM	Ave	++++ 1845664	++++ 2431145	++++ 4953040	510265	1205292	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 3647611	++++ 4815409	++++ 9783012	1017649	2406769	++++ 15.0	++++ 0.170 20.0	++++ 0.424 40.0	4.24	10.00
Chloromethane	BCM	Ave	++++ 983688	++++ 1307802	++++ 2698572	265487	644735	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	++++ 1096625	++++ 1440326	++++ 3035506	292996	707999	0.0351 15.0	0.170 20.0	0.424 40.0	4.24	10.00
n-Butane	BCM	Ave	++++ 1284752	++++ 1687709	++++ 3542974	343011	820328	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	++++ 773771	++++ 1020764	++++ 2166888	207111	497182	0.0351 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Bromomethane	BCM	Ave	++++ 1339844	++++ 1736790	++++ 3694792	355375	849841	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
Chloroethane	BCM	Ave	++++ 651764	++++ 856927	++++ 1831824	169851	415665	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
Isopentane	BCM	Ave	++++ 1093035	++++ 1419311	++++ 2988080	285466	693490	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 1298160	++++ 1691363	++++ 3621927	345264	830438	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	++++ 3411974	++++ 4369005	++++ 9159742	943687	2231368	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
n-Pentane	BCM	Ave	++++ 1594315	++++ 2065115	++++ 4380963	423626	1025917	++++ 15.0	++++ 20.0	++++ 0.424 40.0	4.24	10.00
Ethanol	BCM	Ave	++++ 554845	++++ 1085982	++++ 2852801	227774	400270	++++ 20.0	++++ 40.0	++++ 0.849 100.0	8.49	15.0

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877
SDG No.: _____
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

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	++++ 788581	7657 1029930	23433 2226296	206782	509541	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Acrolein	BCM	Ave	++++ 463676	++++ 607074	++++ 1277751	120252	303617	++++ 17.6	++++ 23.4	++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	2947 1294469	15452 1690802	41453 3600263	344072	844958	0.0351 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Freon TF	BCM	Ave	++++ 2678103	28104 3463025	83599 7334261	725496	1735490	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Acetone	BCM	Ave	++++ 1539543	++++ 1965298	++++ 4149962	405858	997664	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	++++ 1863690	++++ 2316803	++++ 4976458	475884	1161486	++++ 17.4	++++ 23.2	++++ 46.4	4.92	11.6
Carbon disulfide	BCM	Ave	++++ 3482004	++++ 4551233	105584 9614006	931428	2236833	++++ 15.0	++++ 20.0	0.424 40.0	4.24	10.00
Acetonitrile	BCM	Ave	++++ 654959	++++ 849478	++++ 1857118	169741	416443	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	++++ 1072755	12707 1468519	31549 3176917	299513	722169	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	++++ 1104764	++++ 1448997	34419 3089396	301369	719426	++++ 15.0	++++ 20.0	0.424 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	++++ 2492844	++++ 3144347	++++ 6730409	648112	1566120	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	++++ 708365	++++ 939223	18261 2055604	182283	452425	++++ 15.0	++++ 20.0	0.424 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	3810 1600996	15991 2074231	49478 4449153	434385	1044649	0.0351 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 3419445	34786 4418468	104775 9365972	918501	2225772	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
n-Hexane	BCM	Ave	++++ 1552051	16588 2029167	46419 4366470	415353	1001074	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	4898 1999389	20602 2582961	61399 5516049	540030	1296834	0.0351 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	++++ 2402202	++++ 3177282	++++ 6848133	616151	1547253	++++ 17.1	++++ 22.8	++++ 45.6	4.83	11.4
Methyl Ethyl Ketone	BCM	Ave	++++ 591221	++++ 774933	16069 1683395	150911	380343	++++ 15.0	++++ 20.0	0.424 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	3415 1345263	13799 1751369	41424 3791161	362251	870877	0.0351 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	++++ 111674	++++ 142505	++++ 316098	28213	69483	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	++++	254506	609480	++++	++++	++++	4.24	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877

SDG No.: _____

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

Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

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
			967083	1244240	2699516			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 2654878	27673 3430878	80303 7280745	721084	1728844	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 2812898	28339 3623195	87455 7697362	770289	1847686	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	++++ 1592787	15273 2068299	46439 4474805	418620	1023782	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	5532 2884673	28522 3743835	87958 7870092	794129	1906760	0.0351 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Benzene	DFBZ	Ave	++++ 3649471	37497 4726771	111330 10100490	978519	2361141	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 1753319	17608 2266255	53014 4789085	473690	1128731	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 4938873	50487 6393660	146961 13524232	1316752	3182932	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	++++ 1626063	17477 2101247	48056 4523523	433101	1046710	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	++++ 836422	++++ 1050632	++++ 2374965	205561	514550	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	3814 1747574	16618 2260286	52112 4888885	470918	1125713	0.0351 15.0	0.170 20.0	0.424 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 1203972	12013 1561234	34768 3357898	321331	777446	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	++++ 1285302	++++ 1662587	33122 3663846	320912	809177	++++ 15.0	++++ 20.0	0.424 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	++++ 861730	7563 1051986	24246 2264668	224290	530440	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	++++ 1603336	18150 2053272	47675 4423817	426440	1015625	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	++++ 2856084	26759 3725703	84939 7990222	770821	1871377	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 2391710	21036 3130556	66274 6750713	629351	1531400	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 2161210	++++ 2807963	57142 6118197	575156	1399294	++++ 15.0	++++ 20.0	0.424 40.0	4.24	10.00
Toluene	CBNZd 5	Ave	++++ 2725071	26501 3532766	80014 7577158	730547	1758476	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
n-Octane	DFBZ	Ave	++++ 2231145	23419 2887042	67013 6156380	603326	1444877	++++ 15.0	0.170 20.0	0.424 40.0	4.24	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++	17695	54815	525896	1278545	++++	0.170	0.424	4.24	10.00

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

Lab Name: Eurofins Burlington Job No.: 200-77472-1 Analy Batch No.: 213877

SDG No.: _____

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

Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

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
			1963144	2573287	5606149			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++	12192	38743	354343	849696	+++++	0.170	0.424	4.24	10.00
			1318783	1722063	3725733			15.0	20.0	40.0		
Tetrachloroethene	CBNZd 5	Ave	4948	22835	66635	605568	1459874	0.0351	0.170	0.424	4.24	10.00
			2249352	2898705	6201991			15.0	20.0	40.0		
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++	+++++	50299	551288	1346635	+++++	+++++	0.424	4.24	10.00
			2133746	2717674	5947970			15.0	20.0	40.0		
Dibromochloromethane	CBNZd 5	Ave	+++++	26548	83220	796304	1954348	+++++	0.170	0.424	4.24	10.00
			2897560	3954092	8417687			15.0	20.0	40.0		
1,2-Dibromoethane	CBNZd 5	Ave	+++++	22773	73033	680804	1666508	+++++	0.170	0.424	4.24	10.00
			2577689	3343249	7222288			15.0	20.0	40.0		
Chlorobenzene	CBNZd 5	Ave	+++++	37231	111049	1004116	2406867	+++++	0.170	0.424	4.24	10.00
			3705819	4792996	10221926			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	+++++	60253	180931	1648242	3953294	+++++	0.170	0.424	4.24	10.00
			6085106	7792955	16132740			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	+++++	45558	136690	1268145	3033705	+++++	0.341	0.849	8.49	20.0
			4697094	5998328	12729212			30.0	40.0	80.0		
n-Nonane	CBNZd 5	Ave	+++++	25515	72709	664580	1602105	+++++	0.170	0.424	4.24	10.00
			2479466	3187367	6855880			15.0	20.0	40.0		
Xylene, o-	CBNZd 5	Ave	+++++	20616	66754	612102	1460375	+++++	0.170	0.424	4.24	10.00
			2269577	2923063	6249184			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	+++++	31880	101895	1007400	2455300	+++++	0.170	0.424	4.24	10.00
			3801445	4902993	10387621			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	+++++	22130	73931	733582	1849711	+++++	0.170	0.424	4.24	10.00
			2373440	3738621	7982744			15.0	20.0	40.0		
Cumene	CBNZd 5	Ave	+++++	66335	205411	1881487	4467822	+++++	0.170	0.424	4.24	10.00
			6865801	8724298	17572144			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++	33056	99504	919712	2221430	+++++	0.170	0.424	4.24	10.00
			3451351	4413667	9390480			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.: 200-77472-1 Analy Batch No.: 213877

SDG No.: _____

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

Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

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	+++++	+++++	80467	735437	1753278	+++++	+++++	0.424	4.24	10.00
			2727425	3471380	7397192			15.0	20.0	40.0		
n-Propylbenzene	CBNZd 5	Ave	+++++	79708	244988	2245192	5316120	+++++	0.170	0.424	4.24	10.00
			8072347	10254721	19487009			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	+++++	49801	152270	1400255	3359481	+++++	0.170	0.424	4.24	10.00
			5160948	6553331	13418945			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	+++++	61708	196911	1855212	4406759	+++++	0.170	0.424	4.24	10.00
			6723445	8506239	16780493			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	+++++	53923	170863	1586341	3760976	+++++	0.170	0.424	4.24	10.00
			5741199	7291052	14839886			15.0	20.0	40.0		
n-Decane	CBNZd 5	Ave	+++++	+++++	93598	869396	2072098	+++++	+++++	0.424	4.24	10.00
			3178784	4058188	8439121			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd 5	Ave	+++++	25890	79696	824917	2006907	+++++	0.170	0.424	4.24	10.00
			3099245	3977088	8372710			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	+++++	55626	165899	1525339	3582483	+++++	0.170	0.424	4.24	10.00
			5491290	6971129	14063411			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	+++++	54667	168982	1599283	3781175	+++++	0.170	0.424	4.24	10.00
			5833875	7388643	14746714			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	+++++	80325	249955	2305729	5469326	+++++	0.170	0.424	4.24	10.00
			8267255	10353019	19067322			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd 5	Ave	+++++	35130	114386	1081239	2596387	+++++	0.170	0.424	4.24	10.00
			3960259	5016285	10321483			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	+++++	68563	208412	1980583	4654180	+++++	0.170	0.424	4.24	10.00
			7048375	8907583	16967021			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	+++++	35790	108258	1072107	2568205	+++++	0.170	0.424	4.24	10.00
			3942666	5006079	10386459			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	+++++	45873	136325	1492004	3560676	+++++	0.170	0.424	4.24	10.00
			5534986	7109618	14511199			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.: 200-77472-1 Analy Batch No.: 213877

SDG No.: _____

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

Calibration Start Date: 02/25/2025 17:38 Calibration End Date: 02/26/2025 03:04 Calibration ID: 54783

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	+++++	60134	190691	1897285	4491734	+++++	0.170	0.424	4.24	10.00
			6843041	8635147	16550875			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	35165	108168	1031422	2460082	+++++	0.170	0.424	4.24	10.00
			3790833	4807082	9878160			15.0	20.0	40.0		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	952567	2296561	+++++	+++++	+++++	4.24	10.00
			3593488	4588537	9481848			15.0	20.0	40.0		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	822093	2180179	+++++	+++++	+++++	4.24	10.00
			3497614	4310703	8977139			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	62119	792370	2097842	+++++	+++++	0.498	4.98	11.7
			3352745	4200878	9028177			17.6	23.5	46.9		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	26273	75694	734454	1745676	+++++	0.192	0.477	4.77	11.2
			2720519	3466182	7232881			16.9	22.5	45.0		
Naphthalene	CBNZd 5	Ave	+++++	48918	132094	1799099	5040956	+++++	0.203	0.505	5.05	11.9
			8083815	9628190	19887172			17.8	23.8	47.6		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	62054	766804	1993727	+++++	+++++	0.494	4.94	11.6
			3172987	3986041	8377839			17.5	23.3	46.6		

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77472-1

SDG No.: _____

Lab Sample ID: ICV 200-213877/18 Calibration Date: 02/26/2025 05:39

Instrument ID: CHAN.i Calib Start Date: 02/25/2025 17:38

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/26/2025 03:04

Lab File ID: 64097_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
Propylene	Ave	0.6221	0.6107		9.82	10.0	-1.8	30.0
Dichlorodifluoromethane	Ave	2.807	2.642		9.41	10.0	-5.9	30.0
Freon 22	Ave	1.394	1.328		9.52	10.0	-4.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.764	2.660		9.62	10.0	-3.8	30.0
Chloromethane	Ave	0.7436	0.7009		9.42	10.0	-5.7	30.0
Vinyl chloride	Ave	0.8438	0.7783		9.22	10.0	-7.8	30.0
n-Butane	Ave	0.9663	0.9039		9.35	10.0	-6.5	30.0
1,3-Butadiene	Ave	0.6186	0.5430		8.78	10.0	-12.2	30.0
Bromomethane	Ave	0.9934	0.9453		9.51	10.0	-4.8	30.0
Chloroethane	Ave	0.4889	0.4646		9.50	10.0	-5.0	30.0
Isopentane	Ave	0.8219	0.7677		9.34	10.0	-6.6	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9643	0.9397		9.74	10.0	-2.5	30.0
Trichlorofluoromethane	Ave	2.570	2.379		9.25	10.0	-7.4	30.0
n-Pentane	Ave	1.183	1.103		9.33	10.0	-6.7	30.0
Ethanol	Ave	0.3034	0.3178		15.7	15.0	4.8	30.0
Ethyl ether	Ave	0.5832	0.5500		9.43	10.0	-5.7	30.0
Acrolein	Ave	0.2865	0.3179		11.1	10.0	11.0	30.0
1,1-Dichloroethene	Ave	0.996	0.9026		9.06	10.0	-9.4	30.0
Freon TF	Ave	2.018	1.844		9.13	10.0	-8.6	30.0
Acetone	Ave	1.106	1.040		9.41	10.0	-5.9	30.0
Isopropyl alcohol	Ave	1.130	1.176		10.4	10.0	4.1	30.0
Carbon disulfide	Ave	2.609	2.412		9.25	10.0	-7.5	30.0
Acetonitrile	Ave	0.4727	0.3943		8.34	10.0	-16.6	30.0
3-Chloropropene	Ave	0.8381	0.8120		9.69	10.0	-3.1	30.0
Methylene Chloride	Ave	0.8388	0.7603		9.06	10.0	-9.4	30.0
tert-Butyl alcohol	Ave	1.770	1.651		9.33	10.0	-6.7	30.0
Acrylonitrile	Ave	0.5166	0.4819		9.33	10.0	-6.7	30.0
trans-1,2-Dichloroethene	Ave	1.207	1.157		9.58	10.0	-4.1	30.0
Methyl tert-butyl ether	Ave	2.556	2.394		9.36	10.0	-6.3	30.0
n-Hexane	Ave	1.167	1.105		9.47	10.0	-5.3	30.0
1,1-Dichloroethane	Ave	1.513	1.370		9.05	10.0	-9.5	30.0
Vinyl acetate	Ave	1.530	1.642		10.7	10.0	7.3	30.0
Methyl Ethyl Ketone	Ave	0.4330	0.4060		9.37	10.0	-6.2	30.0
cis-1,2-Dichloroethene	Ave	1.025	0.9193		8.96	10.0	-10.4	30.0
Ethyl acetate	Ave	0.0795	0.0795		9.99	10.0	-0.0	30.0
Tetrahydrofuran	Ave	0.1467	0.1349		9.19	10.0	-8.1	30.0
Chloroform	Ave	1.991	1.842		9.25	10.0	-7.5	30.0
1,1,1-Trichloroethane	Ave	0.4453	0.4053		9.10	10.0	-9.0	30.0
Cyclohexane	Ave	0.2466	0.2336		9.47	10.0	-5.3	30.0
Carbon tetrachloride	Ave	0.4464	0.4162		9.32	10.0	-6.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77472-1

SDG No.: _____

Lab Sample ID: ICV 200-213877/18 Calibration Date: 02/26/2025 05:39

Instrument ID: CHAN.i Calib Start Date: 02/25/2025 17:38

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/26/2025 03:04

Lab File ID: 64097_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
Benzene	Ave	0.5756	0.5453		9.47	10.0	-5.3	30.0
1,2-Dichloroethane	Ave	0.2748	0.2516		9.15	10.0	-8.4	30.0
2,2,4-Trimethylpentane	Ave	0.7731	0.7317		9.46	10.0	-5.4	30.0
n-Heptane	Ave	0.2565	0.2400		9.36	10.0	-6.4	30.0
n-Butanol	Ave	0.1244	0.1062		8.54	10.0	-14.6	30.0
Trichloroethene	Ave	0.2713	0.2589		9.54	10.0	-4.6	30.0
1,2-Dichloropropane	Ave	0.1875	0.1783		9.51	10.0	-4.9	30.0
Methyl methacrylate	Ave	0.1947	0.1855		9.53	10.0	-4.7	30.0
1,4-Dioxane	Ave	0.1279	0.1156		9.03	10.0	-9.7	30.0
Dibromomethane	Ave	0.2539	0.2320		9.13	10.0	-8.6	30.0
Bromodichloromethane	Ave	0.4453	0.4194		9.42	10.0	-5.8	30.0
cis-1,3-Dichloropropene	Ave	0.3638	0.3462		9.52	10.0	-4.8	30.0
methyl isobutyl ketone	Ave	0.3338	0.3136		9.39	10.0	-6.0	30.0
Toluene	Ave	0.4837	0.4548		9.40	10.0	-6.0	30.0
n-Octane	Ave	0.3524	0.3268		9.27	10.0	-7.3	30.0
trans-1,3-Dichloropropene	Ave	0.3020	0.3093		10.2	10.0	2.4	30.0
1,1,2-Trichloroethane	Ave	0.2332	0.2229		9.56	10.0	-4.4	30.0
Tetrachloroethene	Ave	0.4027	0.3740		9.29	10.0	-7.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3614	0.3429		9.49	10.0	-5.1	30.0
Dibromochloromethane	Ave	0.5201	0.4902		9.42	10.0	-5.8	30.0
1,2-Dibromoethane	Ave	0.4487	0.4268		9.51	10.0	-4.9	30.0
Chlorobenzene	Ave	0.6637	0.6191		9.33	10.0	-6.7	30.0
Ethylbenzene	Ave	1.079	1.009		9.35	10.0	-6.5	30.0
m,p-Xylene	Ave	0.4144	0.3864		18.6	20.0	-6.8	30.0
n-Nonane	Ave	0.4428	0.4116		9.29	10.0	-7.1	30.0
Xylene, o-	Ave	0.3986	0.3814		9.57	10.0	-4.3	30.0
Styrene	Ave	0.6492	0.6274		9.66	10.0	-3.4	30.0
Bromoform	Ave	0.4687	0.4598		9.81	10.0	-1.9	30.0
Cumene	Ave	1.211	1.133		9.36	10.0	-6.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6059	0.5620		9.27	10.0	-7.2	30.0
1,2,3-Trichloropropane	Ave	0.4835	0.4428		9.16	10.0	-8.4	30.0
n-Propylbenzene	Ave	1.427	1.340		9.38	10.0	-6.1	30.0
2-Chlorotoluene	Ave	0.9083	0.8470		9.32	10.0	-6.8	30.0
4-Ethyltoluene	Ave	1.172	1.120		9.55	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.011	0.9495		9.39	10.0	-6.1	30.0
n-Decane	Ave	0.5645	0.5255		9.31	10.0	-6.9	30.0
Alpha Methyl Styrene	Ave	0.5251	0.4898		9.33	10.0	-6.7	30.0
tert-Butylbenzene	Ave	0.9789	0.9034		9.23	10.0	-7.7	30.0
1,2,4-Trimethylbenzene	Ave	1.017	0.9471		9.31	10.0	-6.8	30.0
sec-Butylbenzene	Ave	1.449	1.373		9.47	10.0	-5.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77472-1
 SDG No.: _____
 Lab Sample ID: ICV 200-213877/18 Calibration Date: 02/26/2025 05:39
 Instrument ID: CHAN.i Calib Start Date: 02/25/2025 17:38
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/26/2025 03:04
 Lab File ID: 64097_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
1,3-Dichlorobenzene	Ave	0.6881	0.6405		9.31	10.0	-6.9	30.0
4-Isopropyltoluene	Ave	1.240	1.142		9.21	10.0	-7.8	30.0
1,4-Dichlorobenzene	Ave	0.6816	0.6439		9.44	10.0	-5.5	30.0
Benzyl chloride	Ave	0.9282	0.8704		9.38	10.0	-6.2	30.0
n-Butylbenzene	Ave	1.172	1.104		9.42	10.0	-5.8	30.0
1,2-Dichlorobenzene	Ave	0.6600	0.6094		9.23	10.0	-7.7	30.0
n-Undecane	Ave	0.6126	0.5673		9.26	10.0	-7.4	30.0
n-Dodecane	Ave	0.5720	0.5025		8.78	10.0	-12.1	30.0
1,2,4-Trichlorobenzene	Ave	0.4558	0.5072		11.1	10.0	11.3	30.0
Hexachlorobutadiene	Ave	0.4222	0.4168		9.87	10.0	-1.3	30.0
Naphthalene	Ave	0.9890	1.152		11.6	10.0	16.5	30.0
1,2,3-Trichlorobenzene	Ave	0.4384	0.4146		9.46	10.0	-5.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77472-1

SDG No.: _____

Lab Sample ID: CCVIS 200-214612/2 Calibration Date: 03/27/2025 09:45

Instrument ID: CHAN.i Calib Start Date: 02/25/2025 17:38

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/26/2025 03:04

Lab File ID: 64442_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	0.6221	0.6697		10.8	10.0	7.7	30.0
Dichlorodifluoromethane	Ave	2.807	2.820		10.0	10.0	0.5	30.0
Freon 22	Ave	1.394	1.458		10.5	10.0	4.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.764	2.723		9.85	10.0	-1.5	30.0
Chloromethane	Ave	0.7436	0.7613		10.2	10.0	2.4	30.0
Vinyl chloride	Ave	0.8438	0.8188		9.70	10.0	-3.0	30.0
n-Butane	Ave	0.9663	1.047		10.8	10.0	8.4	30.0
1,3-Butadiene	Ave	0.6186	0.5917		9.56	10.0	-4.4	30.0
Bromomethane	Ave	0.9934	0.9143		9.20	10.0	-8.0	30.0
Chloroethane	Ave	0.4889	0.4629		9.47	10.0	-5.3	30.0
Isopentane	Ave	0.8219	0.8060		9.81	10.0	-1.9	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9643	0.8786		9.11	10.0	-8.9	30.0
Trichlorofluoromethane	Ave	2.570	2.494		9.70	10.0	-3.0	30.0
n-Pentane	Ave	1.183	1.210		10.2	10.0	2.3	30.0
Ethanol	Ave	0.3034	0.3194		15.8	15.0	5.3	30.0
Ethyl ether	Ave	0.5832	0.5707		9.78	10.0	-2.2	30.0
Acrolein	Ave	0.2865	0.2928		12.0	11.7	2.2	30.0
1,1-Dichloroethene	Ave	0.996	0.9040		9.07	10.0	-9.3	30.0
Freon TF	Ave	2.018	1.879		9.31	10.0	-6.9	30.0
Acetone	Ave	1.106	1.233		11.2	10.0	11.6	30.0
Isopropyl alcohol	Ave	1.130	1.187		12.2	11.6	5.1	30.0
Carbon disulfide	Ave	2.609	2.469		9.46	10.0	-5.3	30.0
Acetonitrile	Ave	0.4727	0.5050		10.7	10.0	6.8	30.0
3-Chloropropene	Ave	0.8381	0.8831		10.5	10.0	5.4	30.0
Methylene Chloride	Ave	0.8388	0.8664		10.3	10.0	3.3	30.0
tert-Butyl alcohol	Ave	1.770	1.824		10.3	10.0	3.0	30.0
Acrylonitrile	Ave	0.5166	0.5309		10.3	10.0	2.8	30.0
trans-1,2-Dichloroethene	Ave	1.207	1.217		10.1	10.0	0.9	30.0
Methyl tert-butyl ether	Ave	2.556	2.530		9.90	10.0	-1.0	30.0
n-Hexane	Ave	1.167	1.161		9.94	10.0	-0.5	30.0
1,1-Dichloroethane	Ave	1.513	1.503		9.93	10.0	-0.6	30.0
Vinyl acetate	Ave	1.530	1.701		12.7	11.4	11.2	30.0
Methyl Ethyl Ketone	Ave	0.4330	0.4229		9.77	10.0	-2.3	30.0
cis-1,2-Dichloroethene	Ave	1.025	0.9448		9.21	10.0	-7.9	30.0
Ethyl acetate	Ave	0.0795	0.0764		9.60	10.0	-4.0	30.0
Tetrahydrofuran	Ave	0.1467	0.1577		10.7	10.0	7.5	30.0
Chloroform	Ave	1.991	1.945		9.77	10.0	-2.3	30.0
1,1,1-Trichloroethane	Ave	0.4453	0.4293		9.64	10.0	-3.6	30.0
Cyclohexane	Ave	0.2466	0.2340		9.49	10.0	-5.1	30.0
Carbon tetrachloride	Ave	0.4464	0.4348		9.74	10.0	-2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77472-1

SDG No.: _____

Lab Sample ID: CCVIS 200-214612/2 Calibration Date: 03/27/2025 09:45

Instrument ID: CHAN.i Calib Start Date: 02/25/2025 17:38

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/26/2025 03:04

Lab File ID: 64442_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	0.5756	0.5488		9.53	10.0	-4.7	30.0
1,2-Dichloroethane	Ave	0.2748	0.2862		10.4	10.0	4.1	30.0
2,2,4-Trimethylpentane	Ave	0.7731	0.7738		10.0	10.0	0.0	30.0
n-Heptane	Ave	0.2565	0.2673		10.4	10.0	4.2	30.0
n-Butanol	Ave	0.1244	0.1252		10.1	10.0	0.6	30.0
Trichloroethene	Ave	0.2713	0.2588		9.53	10.0	-4.6	30.0
1,2-Dichloropropane	Ave	0.1875	0.1883		10.0	10.0	0.4	30.0
Methyl methacrylate	Ave	0.1947	0.1924		9.88	10.0	-1.2	30.0
1,4-Dioxane	Ave	0.1279	0.1188		9.29	10.0	-7.1	30.0
Dibromomethane	Ave	0.2539	0.2181		8.59	10.0	-14.1	30.0
Bromodichloromethane	Ave	0.4453	0.4485		10.1	10.0	0.7	30.0
cis-1,3-Dichloropropene	Ave	0.3638	0.3634		9.99	10.0	-0.1	30.0
methyl isobutyl ketone	Ave	0.3338	0.3592		10.8	10.0	7.6	30.0
Toluene	Ave	0.4837	0.4499		9.30	10.0	-7.0	30.0
n-Octane	Ave	0.3524	0.3724		10.6	10.0	5.7	30.0
trans-1,3-Dichloropropene	Ave	0.3020	0.3073		10.2	10.0	1.7	30.0
1,1,2-Trichloroethane	Ave	0.2332	0.2204		9.45	10.0	-5.5	30.0
Tetrachloroethene	Ave	0.4027	0.3452		8.57	10.0	-14.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3614	0.3876		10.7	10.0	7.3	30.0
Dibromochloromethane	Ave	0.5201	0.4930		9.48	10.0	-5.2	30.0
1,2-Dibromoethane	Ave	0.4487	0.4199		9.36	10.0	-6.4	30.0
Chlorobenzene	Ave	0.6637	0.5975		9.00	10.0	-10.0	30.0
Ethylbenzene	Ave	1.079	1.016		9.41	10.0	-5.9	30.0
m,p-Xylene	Ave	0.4144	0.3783		18.3	20.0	-8.7	30.0
n-Nonane	Ave	0.4428	0.4349		9.82	10.0	-1.8	30.0
Xylene, o-	Ave	0.3986	0.3666		9.20	10.0	-8.0	30.0
Styrene	Ave	0.6492	0.6101		9.40	10.0	-6.0	30.0
Bromoform	Ave	0.4687	0.4486		9.57	10.0	-4.3	30.0
Cumene	Ave	1.211	1.136		9.38	10.0	-6.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6059	0.5765		9.51	10.0	-4.8	30.0
1,2,3-Trichloropropane	Ave	0.4835	0.4650		9.62	10.0	-3.8	30.0
n-Propylbenzene	Ave	1.427	1.378		9.65	10.0	-3.4	30.0
2-Chlorotoluene	Ave	0.9083	0.8599		9.47	10.0	-5.3	30.0
4-Ethyltoluene	Ave	1.172	1.119		9.55	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.011	0.9523		9.42	10.0	-5.8	30.0
n-Decane	Ave	0.5645	0.5665		10.0	10.0	0.4	30.0
Alpha Methyl Styrene	Ave	0.5251	0.4892		9.32	10.0	-6.8	30.0
tert-Butylbenzene	Ave	0.9789	0.9048		9.24	10.0	-7.6	30.0
1,2,4-Trimethylbenzene	Ave	1.017	0.9667		9.51	10.0	-4.9	30.0
sec-Butylbenzene	Ave	1.449	1.391		9.59	10.0	-4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-77472-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-214612/2 Calibration Date: 03/27/2025 09:45
 Instrument ID: CHAN.i Calib Start Date: 02/25/2025 17:38
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/26/2025 03:04
 Lab File ID: 64442_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	0.6881	0.6231		9.05	10.0	-9.4	30.0
4-Isopropyltoluene	Ave	1.240	1.173		9.46	10.0	-5.4	30.0
1,4-Dichlorobenzene	Ave	0.6816	0.6203		9.10	10.0	-9.0	30.0
Benzyl chloride	Ave	0.9282	0.9295		10.0	10.0	0.1	30.0
n-Butylbenzene	Ave	1.172	1.170		9.98	10.0	-0.2	30.0
1,2-Dichlorobenzene	Ave	0.6600	0.5978		9.06	10.0	-9.4	30.0
n-Undecane	Ave	0.6126	0.6335		10.3	10.0	3.4	30.0
n-Dodecane	Ave	0.5720	0.5678		9.93	10.0	-0.7	30.0
1,2,4-Trichlorobenzene	Ave	0.4558	0.4100		10.5	11.7	-10.1	30.0
Hexachlorobutadiene	Ave	0.4222	0.3601		9.59	11.2	-14.7	30.0
Naphthalene	Ave	0.9890	0.9807		11.8	11.9	-0.8	30.0
1,2,3-Trichlorobenzene	Ave	0.4384	0.3850		10.2	11.6	-12.2	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-77472-1

SDG No.: _____

Instrument ID: CHAN.iStart Date: 02/25/2025 14:58Analysis Batch Number: 213877End Date: 02/26/2025 08:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-213877/1		02/25/2025 14:58	1	64097_001.D	RTX-624 0.32 (mm)
IC 200-213877/4		02/25/2025 17:38	1	64097_004.D	RTX-624 0.32 (mm)
ZZZZZ (QC)		02/25/2025 17:38	1		RTX-624 0.32 (mm)
ZZZZZ		02/25/2025 18:29	1		RTX-624 0.32 (mm)
IC 200-213877/6		02/25/2025 19:21	1	64097_006.D	RTX-624 0.32 (mm)
ZZZZZ (QC)		02/25/2025 19:21	1		RTX-624 0.32 (mm)
IC 200-213877/7		02/25/2025 20:12	1	64097_007.D	RTX-624 0.32 (mm)
ZZZZZ (QC)		02/25/2025 20:12	1		RTX-624 0.32 (mm)
IC 200-213877/8		02/25/2025 21:04	1	64097_008.D	RTX-624 0.32 (mm)
ZZZZZ (QC)		02/25/2025 21:04	1		RTX-624 0.32 (mm)
ICIS 200-213877/9		02/25/2025 21:55	1	64097_009.D	RTX-624 0.32 (mm)
IC 200-213877/10		02/25/2025 22:47	1	64097_010.D	RTX-624 0.32 (mm)
IC 200-213877/13		02/26/2025 01:21	1	64097_013.D	RTX-624 0.32 (mm)
IC 200-213877/15		02/26/2025 03:04	1	64097_015.D	RTX-624 0.32 (mm)
ICV 200-213877/18		02/26/2025 05:39	1	64097_018.D	RTX-624 0.32 (mm)
ZZZZZ (Client)		02/26/2025 08:14	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-77472-1

SDG No.: _____

Instrument ID: CHAN.iStart Date: 03/27/2025 08:32Analysis Batch Number: 214612End Date: 03/28/2025 07:11

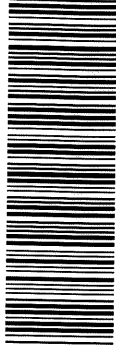
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BFB 200-214612/1		03/27/2025 08:32	1	64442_001.D	RTX-624 0.32 (mm)
CCVIS 200-214612/2		03/27/2025 09:45	1	64442_002.D	RTX-624 0.32 (mm)
LCS 200-214612/3		03/27/2025 10:37	1	64442_003.D	RTX-624 0.32 (mm)
MB 200-214612/4		03/27/2025 11:29	1	64442_004.D	RTX-624 0.32 (mm)
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Shipping and Receiving Documents

Canister Samples Chain of Custody Record

Suite 11
South Burlington, VT 05403-6809
phone 802 660.1990 fax 802 660 1919

200-77589 Chain of Custody

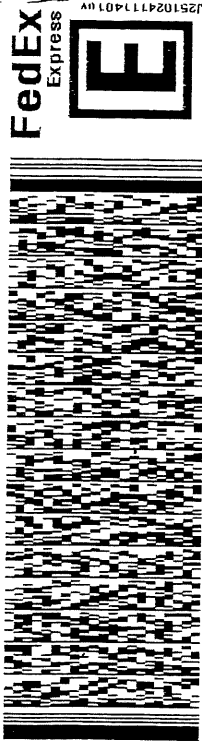
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ZACHARY WISHER
HDR INC
3 LAKEVILLE RD
SUSSEX, NJ 07461
UNITED STATES US

SHIP DATE: 31MAR25
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3904

TO **SAMPLE MANAGEMENT**
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1058
REF: S200 - 36050
RMA: ||| ||| |||



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TRK# 4412 2811 3837
0221 PRIORITY OVERNIGHT

NX BTVA 05403
VT-US BTV

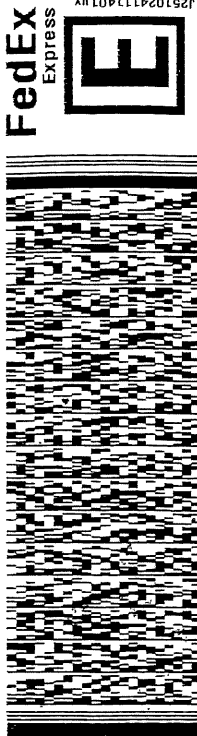


ORIGIN ID:BTVA (201) 335-9412
ZACHARY WISHER
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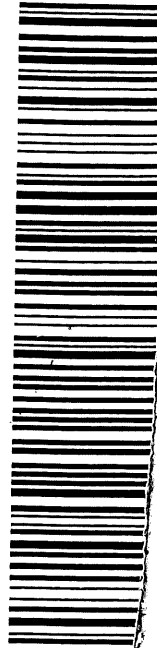
TO **SAMPLE MANAGEMENT**
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1058
REF: S200 - 36050
RMA: ||| ||| |||



FedEx THU - 03 APR 10:30A
TRK# 4412 2811 3826
0221 PRIORITY OVERNIGHT

NX BTVA 05403
VT-US BTV



Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 200-77589-1

Login Number: 77589

List Source: Eurofins Burlington

List Number: 1

Creator: Reynolds, Jamie K

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	2444826, 4827
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.	N/A	Thermal preservation not required.
Cooler Temperature is recorded.	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Exhibit A

Roof Coating SDS

ROOF X TENDER® 985 Super Silicone White

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME:	ROOF X TENDER® 985 White	DISTRIBUTED BY:	Beacon Sales Acquisition, Inc.
PRODUCT NUMBER:	RX-9855 RX 9851	ADDRESS:	505 Huntmar Park Drive, Suite 300 Herndon, VA 20170
CATEGORY:	White Liquid	PHONE:	571-323-3939
PRODUCT USE:	White Elastomeric Roof Coating	INTERNET:	www.becn.com
MANUFACTURER:	APOC		
ADDRESS:	4161 E. 7th Avenue Tampa, FL 33605		
PHONE:	813-248-2101		
EMERGENCY PHONE:	CHEMTREC: 1-800-424-9300 Outside USA and Canada: +703-527-3887		
EFFECTIVE DATE:	4/19/2018		

Section 2 - Hazards Identification

Emergency Overview

WARNING

Causes mild skin irritation. Harmful if swallowed.

Prevention

Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash thoroughly after handling.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention.

Storage/Disposal

Store in a closed container. Do not allow product to freeze. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.



Classification:
Eye irritation, Category 2A
Skin sensitization, Category 1
Carcinogenic, Category 2

Statements of Hazard:
Warning
H319 Causes serious eye irritation
H317 May cause allergic skin reaction
H351 Suspected of causing cancer

Precautions for Safe Handling:
P102 Keep out of the reach of children
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P261 Avoid breathing vapors or mists
P264 Wash hands thoroughly after handling
P272 Contaminated work clothing should not be allowed out of the workplace
P281 Use personal protective equipment as required

CAUTION - May cause eye and skin irritation on contact.

Physical Form

Color

* Liquid

Odor

* White Liquid

Flash Point

* Paint-Like Odor

OSHA

* 185 F(85 C)

WHMIS

* Irritant

* Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B



GHS

* Skin Corrosion/Irritation - Category 1
Serious Eye Damage, Eye Irritation - Category 2A
Carcinogenic - Category 2B

NFPA:

Health : 2 Flammability: 1 Reactivity: 0 Personal Protection: G

Potential Health Effects

Inhalation

Acute (Immediate)

* Inhalation of vapors or mists may cause central nervous system depression, light-headedness, headache, nausea and loss of coordination.

Chronic (Delayed)

* Under normal conditions of use, no health effects are expected.

Skin

Acute (Immediate)

* May cause irritation.

Chronic (Delayed)

* Repeated and prolonged exposure to the skin may cause dermatitis.

Eye

Acute (Immediate)

* Likely to cause eye irritation, burning, tearing, etc. on contact with the eyes. If swelling and irritation persist, seek medical attention.

Chronic (Delayed)

* Direct contact may cause slight to moderate irritation.

Ingestion

Acute (Immediate)

* May cause irritation. May affect the nervous system. May be harmful or fatal if swallowed.

Chronic (Delayed)

* Repeated and prolonged exposure may cause gastrointestinal disturbances including diarrhea, nausea, and vomiting.

Carcinogenic Effects

	CAS	IARC	NTP
Titanium Dioxide	13463-67-7	Group 2B-Possible Carcinogen	Evidence of Carcinogenicity

Section 3 - Composition/Information on Ingredients

Hazardous Components					
Chemical Name	Identifiers	%(weight t)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Dimmethyl Polysiloxe	CAS: 70131-67-8	45.0%	LD50 Oral - rat - > 62 080 mg/kg		
Silica Quartz	CAS: 68476-25-5	34.0%			
Polydimethyl Siloxane	CAS: 63148-62-9	10.0%			
Methyltrimethyl Siloxane	CAS: 1185-55-3	3.0%	LD50 Oral rat = 12 500 mg/kg		
Titanium Dioxide	CAS: 13463-67-7	6.0%	LD50 Oral rat 60 gm/kg		
Fumed Silica	CAS: 112945-52-5	1.0%			
Aminopropyl Trimethoxy Silane	CAS: 13822-56-5	1.0%	LD50 Oral - rat - > 62 080 mg/kg		

Non-Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

Section 4 - First Aid Measures

Inhalation	* IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If signs/symptoms continue, get medical attention.
Skin	* Rinse skin immediately with plenty of water for 15-20 minutes. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
Eye	* If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	* If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5 - Fire Fighting Measures

Extinguishing Media	* LARGE FIRE: Water spray, fog or regular foam. SMALL FIRES: Dry chemical, CO2, water spray or regular foam.
Unsuitable Extinguishing Media	* No data available.
Firefighting Procedures	* Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep unauthorized personnel away.
Unusual Fire and Explosion Hazards	* Product containers may rupture when exposed to extreme heat. Precautions should be taken to prevent release of materials.
Hazardous Combustion Products	* Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes.
Protection of Firefighters	* Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
Flash Point	* 185 F(85 C) CC (Closed Cup)

Section 3 - Composition/Information on Ingredients

Hazardous Components					
Chemical Name	Identifiers	%(weight t)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Dimmethyl Polysiloxe	CAS: 70131-67-8	45 0%	LD50 Oral - rat - > 62 080 mg/kg		
Silica Quartz	CAS: 68476-25-5	34 0%			
Polydimethyl Siloxane	CAS: 63148-62-9	10 0%			
Methyltrimethyl Siloxane	CAS: 1185-55-3	3 0%	LD50 Oral rat = 12 500 mg/kg		
Titanium Dioxide	CAS: 13463-67-7	6 0%	LD50 Oral rat 60 gm/kg		
Fumed Silica	CAS: 112945-52-5	1 0%			
Aminopropyl Trimethoxy Silane	CAS: 13822-56-5	1 0%	LD50 Oral - rat - > 62 080 mg/kg		

Non-Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

Section 4 - First Aid Measures

Inhalation	* IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If signs/symptoms continue, get medical attention.
Skin	* Rinse skin immediately with plenty of water for 15-20 minutes. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
Eye	* If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	* If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5 - Fire Fighting Measures

Extinguishing Media	* LARGE FIRE: Water spray, fog or regular foam. SMALL FIRES: Dry chemical, CO2, water spray or regular foam.
Unsuitable Extinguishing Media	* No data available.
Firefighting Procedures	* Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep unauthorized personnel away.
Unusual Fire and Explosion Hazards	* Product containers may rupture when exposed to extreme heat. Precautions should be taken to prevent release of materials.
Hazardous Combustion Products	* Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes.
Protection of Firefighters	* Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
Flash Point	* 185 F(85 C) CC (Closed Cup)

Section 6 - Accidental Release Measures

- Personal Precautions** * Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Emergency Procedures** * Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up.
- Environmental Precautions** * Avoid run off to waterways and sewers.
- Containment/Clean-up Measures** * Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Use appropriate Personal Protective Equipment (PPE)
- Prohibited Materials** * Avoid contact with strong oxidizing agents and acids.

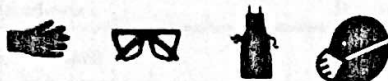
Section 7 - Handling and Storage

- Handling** * KEEP OUT OF THE REACH OF CHILDREN! Keep containers tightly closed when not in use.
- Storage** * Avoid extreme temperatures and freezing. Keep container/package tightly closed and in a well-ventilated place.
- Special Packaging Materials** * Not Applicable.
- Incompatible Materials or Ignition Sources** * Avoid contact with strong oxidizing agents and acids.

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment

Pictograms



Respiratory

- * Use with adequate ventilation. A respirator is required. Use a NIOSH-approved air purifying respirator with organic vapor cartridge or supplied air respirator. This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

Eye/Face

- * Wear ANSI approved safety glasses with side shields or safety goggles.

Hands

- * Wear chemical resistant gloves with repeated or prolonged exposure.

Engineering Measures/Controls

- * Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Use precaution to protect building intake from fumes and vapors created outdoors.

Exposure Limits/Guidelines

	Result	Canada Ontario	Mexico	NIOSH	OSHA
Titanium Dioxide (13463-67-7)	TWAs	10 mg/m3 TWA _{EV} (total dust)	10 mg/m3 TWA (as Ti)	10 mg/m3 - TWA	15 mg/m3 TWA (total dust)
Fumed Silica (112945-52-5)	TWAs	10 mg/m3-TWA _{EV}		6 mg/m3-TWA	6 mg/m3-TWA

Section 9 - Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	White liquid with heavy consistency.
Color	White Liquid	Odor	Paint-Like Odor.
Taste	No data available	Particulate Type	Not relevant

Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	No data available		
General Properties			
Boiling Point	>300 F	Melting Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	Not relevant
pH	8 @ 25 C(77 F)	Specific Gravity/Relative Density	1.33 Water=1
Density	11.10 lbs/gal @ 25 C(77 F)	Bulk Density	No data available
Water Solubility	Soluble 0 % @ 25 C(77 F)	Solvent Solubility	Not relevant
Viscosity	4,000 cps. @ 25 C(77 F)		
Volatility			
Vapor Pressure	5.3 mmHg (torr) @ 20 C(68 F)	Vapor Density	> 1 Air=1
Evaporation Rate	< 0.7 Ether = 1	VOC (Wt)	No data available
VOC (Vol.)	<10 g/L	Volatiles (Wt)	No data available
Volatiles (Vol.)	No data available		
Flammability			
Flash Point	185 F (85 C)	Flash Point Test Type	CC (Closed Cup)
UEL	No data available	LEL	No data available
Autoignition	No data available	Self-Accelerating Decomposition Temperature (SADT)	Not relevant
Heat of Combustion (ΔHc)	Not relevant	Burning Time	Not relevant
Flame Duration	Not relevant	Flame Height	Not relevant
Flame Extension	Not relevant	Ignition Distance	Not relevant
Environmental			
Half-Life	Not relevant	Octanol/Water Partition coefficient	Not relevant
Coefficient of Water	Not relevant	Bioaccumulation Factor	Not relevant
Bioconcentration Factor	Not relevant	Biochemical Oxygen Demand BOD/BOD5	Not relevant
Chemical Oxygen Demand	Not relevant	Persistence	Not relevant
Degradation	Not relevant		

Section 10 - Stability and Reactivity

Stability	* Stable under normal temperatures and pressures.
Hazardous Polymerization	* Hazardous polymerization not indicated
Conditions to Avoid	* Excessive heat and freezing
Incompatible Materials	* Strong oxidizers and acids.
Hazardous Decomposition Products	* No known issues under normal usage conditions.

Section 11 - Toxicological Information

Component Name	CAS	Data
Dimethyl Polysiloxe	70131-67-8	Acute Toxicity: LD50 Oral - rat - > 62 080 mg/kg
Methyltrimethyl Siloxane	1185-55-3	Acute Toxicity: LD50 Oral - rat = 12 500 mg/kg
Titanium Dioxide	13463-67-7	Acute Toxicity: LD50 Oral - rat 60 gm/kg
Aminopropyl Trimethoxy Silane	13822-56-5	Acute Toxicity: LD50 Oral - rat - > 62 080 mg/kg

Other Component Information

- * IARC has concluded that the following chemicals in this product are carcinogenic to humans(Group 1) ACGIH has designated the following chemicals in this product as suspected human carcinogens (A2) silica, quartz NTP has listed the following chemicals in this product as known human carcinogens . Risk of cancer depends on duration and level of exposure to this product as a dust or aerosol mist

Section 12 - Ecological Information

Ecological Fate	* No data available.
Persistence/Degradability	* No data available.
Bioaccumulation Potential	* No data available.
Mobility in Soil	* No data available.
Other Information	* Do not allow product exposure to the ground or into any waterway. Do not allow entry into municipal sewer systems

Section 13 - Disposal Considerations

Product	* Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

Section 14 - Transportation Information

DOT - United States - Department of Transportation - Shipping Name Not Regulated

TDG - Canada - Transportation of Dangerous Goods - Shipping Name Not Restricted

IMO/IMDG - International Maritime Transport Shipping Name Not Regulated

International Air Transportation Association - Not Regulated

Section 15 - Regulatory Information

SARA Hazard Classifications * Acute, Chronic

State Right To Know					
Component	CAS	MA	MN	NJ	PA
Dimmethyl Polysiloxane	70131-67-8	No	No	Yes	Yes
Silica Quartz	68476-25-5	No	No	Yes	Yes
Polydimethyl Siloxane	63148-62-9	Yes	Yes	No	Yes
Methyltrimethyl Siloxane	1185-55-3	No	No	No	No
Titanium Dioxide	13463-67-7	Yes	Yes	Yes	Yes
Fumed Silica	112945-52-5	Yes	Yes	Yes	Yes
Aminopropyl Trimethoxy Silane	13822-56-5	No	No	Yes	Yes

Inventory			
Component	CAS	EU EINECS	TSCA
Dimmethyl Polysiloxane	70131-67-8	No	No
Silica Quartz	68476-25-5	No	No
Polydimethyl Siloxane	63148-62-9	No	No
Methyltrimethyl Siloxane	1185-55-3	No	Yes
Titanium Dioxide	13463-67-7	No	Yes
Fumed Silica	112945-52-5	No	No
Aminopropyl Trimethoxy Silane	13822-56-5	No	No

Canada
Labor

Canada - WHMIS - Classifications of Substances

Dimmethyl Polysiloxe	70131-67-8	45%	D2B
Silica Quartz	68476-25-5	34%	D2B
Methyltrimethyl Siloxane	1185-55-3	3%	D2B
Titanium Dioxide	13463-67-7	6%	D2A

United States

Environment

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Silica Quartz	68476-25-5	34%
Polydimethyl Siloxane	63148-62-9	10%
Methyltrimethyl Siloxane	1185-55-3	3%

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

Polydimethyl Siloxane	63148-62-9	10%

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

Titanium Dioxide	13463-67-7	6%
Fumed Silica	112945-52-5	1%
Aminopropyl Trimethoxy Silane	13822-56-5	1%

Other Information

* WARNING This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Preparation Date

* 3/23/2016

Last Revision Date

* 3/23/2016

Disclaimer/Statement of Liability

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to verify the suitability and completeness of such information for particular use. Gardner Gibson or Beacon Sales Acquisition does not accept liability for any loss or damage that may occur from the use of this information.

Appendix D

Corrective Measures



Roxtec CF 8/32 transit

High cable density transit with aluminum frame.

The Roxtec CF 8 and CF 32 cable entry seals have frames of cast aluminum and sealing modules which are adaptable to a variety of cable sizes.



- Rodent resistant
- Light-weight
- Area efficient
- Allows pre-terminated cables

Product characteristics



Fire rated



IP/UL NEMA

Structure of installation



Cabinets & enclosures

Mounting type



Bolting

Ratings & certificates

Fire

- E/EI rating according to EN 45545

Tightness

- IP 66/67, UL/NEMA 4,4X,12,13

Frame dimensions

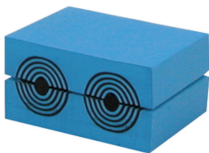
in/lbs

The frame variants below are a limited selection. For the full range of frames and configurations, please visit [roxtec.com](https://www.roxtec.com).

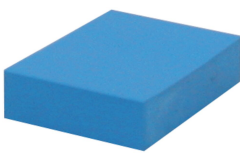
Product	Frame openings	Packing space	External dimensions WxHxD	Aperture dimensions w x h	Weight	Art. no
CF 8	1	1.575 x 3.15	2.953 x 5.512 x 2.362	2.402(+0.02/-0.02) x 5(+0.02/-0.02)	1.2	CSF0000080035
CF 32	2	1.575 x 6.299	5.118 x 9.055 x 2.362	4.331(+0.02/-0.02) x 8.504(+0.02/-0.02)	3.1	CSF0000320035

Sealing components

Sealing components



CM module with Multidiameter™



CM solid compensation module



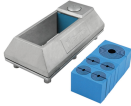
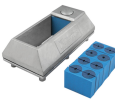
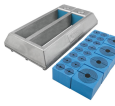
Lubricant

For detailed information, please visit [roxtec.com](https://www.roxtec.com).



Pre-configured transit kits

in/lbs

					
CF 8/5	CF 8/8	CF 32/20	CF 32/32	CF 32/41	CF 8/9
Product	Configuration	External dimensions WxHxD	Aperture dimensions w x h	Weight	Art. no
CF 8/5	1x (0.374-1.280), 4x (0.138-0.650)	2.953 x 5.512 x 2.323	2.402(+0.02/-0.02) x 5(+0.02/-0.02)	1.7	CKT8000000005
CF 8/8	8x (0.138-0.650)	2.953 x 5.512 x 2.323	2.402(+0.02/-0.02) x 5(+0.02/-0.02)	1.7	CKT8000000008
CF 32/20	4x (0.374-1.280), 16x (0.138-0.650)	5.118 x 9.055 x 2.323	4.331(+0.02/-0.02) x 8.504(+0.02/-0.02)	4.4	CKT3200000020
CF 32/32	32x (0.138-0.650)	5.118 x 9.055 x 2.323	4.331(+0.02/-0.02) x 8.504(+0.02/-0.02)	4.4	CKT3200000032
CF 32/41	1x (0.374-1.280), 24x (0.138-0.413), 16x (0.138-0.650)	5.118 x 9.055 x 2.323	4.331(+0.02/-0.02) x 8.504(+0.02/-0.02)	4.4	CKT3200000041
CF 8/9	2x (0.138-0.650), 1x (0.394-0.984), 6x (0.138-0.413)	2.953 x 5.512 x 2.323	2.402(+0.02/-0.02) x 5(+0.02/-0.02)	1.8	CKT0000000009

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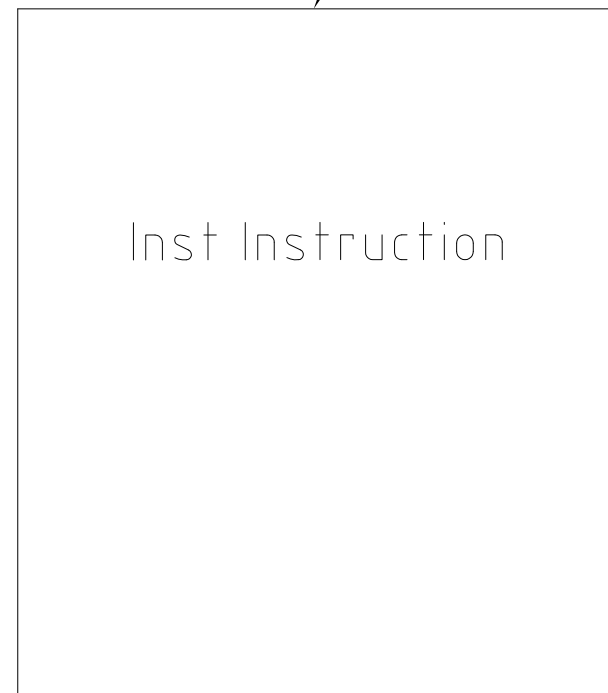
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5	1	ROXTEC LUBRICANT	25ML	-
4	1	INSTALLATION INSTRUCTION		-
3	8	CM 20W40	0+3.5-16.5MM	-
2	4	CM 40 10-32	0+9.5-32.5MM	-
1	1	CF 32		-
Item	Qty	Designation	Specification	NetWeight
ROXTEC INTERNATIONAL AB BOX 540 S-371 23 Karlskrona TEL: +46 455 366700 FAX: +46 455 82012		Designed by se-joahel Approved by se-jorake	Created Date 2004-02-16 General tolerance ISO 2768-1/2-m/K EN ISO 13920-BF Welded details EN ISO 5817-B EN ISO 10042-B Approved Date 2013-04-10 Title CF 32/20 ASSEMBLY KIT	TotWeight General surface roughness, Ra 12,5 - Projection method 
 Roxtec		Format A3 Scale 1:1 Restricted due to Information Drawing	Drawing number S1005907	Rev C

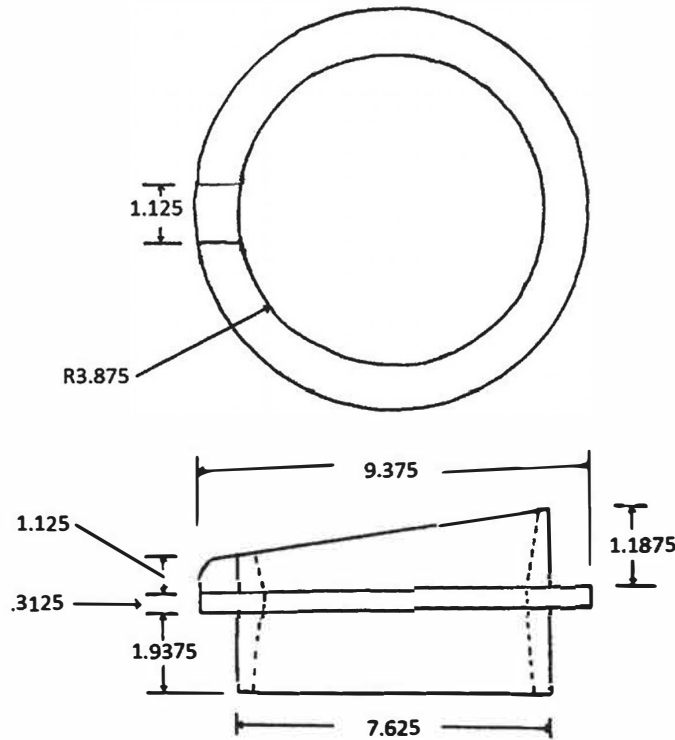
6" BACKWATER FLOOD VALVE

FV06



8" BACKWATER FLOOD VALVE

FV08



DRAWN NAME DATE
BKB 5/14/2012
CHECKED
ENG APPR.
MFG APPR.
Q.A.
COMMENTS:

TITLE:

FV08 Flood Valve

SIZE DWG. NO.

A

FV08 Flood Valve

REV

A

SCALE: WEIGHT: 3.0 SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL
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PART OR AS A WHOLE WITHOUT THE
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IS PROHIBITED.

MATERIAL
Aluminum 319

GROUND

DO NOT SCALE DRAWING

Technical Data

Inlet Vacuum Filters

Applications & Equipment

- Industrial & Severe Duty
- Vacuum Pumps & Systems: Roots, Rotary Vane, Screw, Piston
- Vacuum Packaging Equipment
- Vacuum Furnace
- Blowers: Side Channel & P.D.
- Vacuum Lifters
- Intake Suction Filters
- Food Industry
- Woodworking/Routers
- Ash Handling
- Printing Industry
- Medical/Hospital
- Sterilization
- Remote Installations for Piston & Screw Compressors
- Paper Processing
- Waste Water Aeration
- Cement Processing
- Bag House Systems
- Vacuum Vent Breathers
- Chemical Processing
- Factory Automation Equipment
- Leak Detection Systems
- Semiconductor / Solar

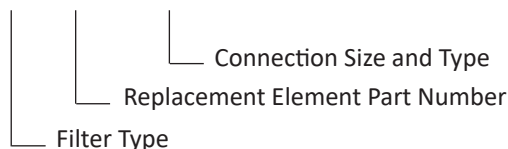
Identification

Standard Solberg assemblies should have an identification label/nameplate that gives the following information:

- Assembly Model #
- Replacement Element #

The part number designates the filter type, the element configuration and housing connection size. For example, the following part number identifies the filter as being a “CSL” design filter with a “235™” element, “P” prefilter and 4” flange connection size.

CSL-235P-400F



Vacuum Service Rating Chart

Threaded vacuum filter connections must be free of defect and properly sealed to achieve deeper vacuum levels. Vacuum service levels are given for reference only and serve as a guideline for product selection. Product certification and alternative designs are available for applications requiring deeper vacuum levels and specific leak rates. Please contact factory for details.

Vacuum Level	Pressure (mbar)	Pressure (Torr)	Pressure (Pa)
Atmospheric Pressure	1013	760	1.013x10 ⁵
Rough Vacuum	1013 to 33	760 to 25	1x10 ⁺⁵ to 3x10 ⁺³
Medium Vacuum	33 to 1.3x10 ⁻³	25 to 1x10 ⁻³	3x10 ⁺³ to 1x10 ⁻¹
High Vacuum	1.3x10 ⁻³ to 1.3x10 ⁻⁹	1x10 ⁻³ to 1x10 ⁻⁹	1x10 ⁻¹ to 1x10 ⁻⁷

Rev: US0621K

Choosing the Best Filter for Your Equipment

A. When the connection & airflow is known:

1. Select the appropriate connection style. (i.e.: MPT, Flange, NPSC etc.)

- a. Verify assembly SCFM (flow) rating. Compare with your required airflow. (Note: Assembly flow ratings are based on 6,000 FPM or 30m/sec for a given connection size to achieve low pressure drop performance. When required flow exceeds assembly flow rating, the pressure drop through the outlet connection will increase. In such cases select by element SCFM (flow) rating.)

- b. Verify that the flow rating matches connection size; skip to “C. Selecting Elements”.

B. When the connection size is unknown, flexible, or the required flow rating exceeds assembly flow rating:

1. Match required flow rating with the element flow rating.

2. Choose related connection size.

C. Selecting Elements: The filter performance is influenced by the actual application duty and the equipment it is installed on. Regular maintenance checks and proper servicing is required.

Application Duty Descriptions:

Industrial Duty: clean workshop or clean outdoor environment - small element sizing is sufficient.

Severe Duty: dirty workshop, wastewater – medium to large element is recommended.

Extreme Duty: cement, steel making, plastics or dusty material conveying – largest element sizing is recommended.

1. Select media required by your application. Options include:

- a. Standard media

1. Polyester: all purpose; withstands pulses, moisture, and oily air

2. Paper: mostly dry, smooth flow applications

- b. Special Media: for a variety of micron levels and media types, see the “Filter Media Specifications” in the Replacement Element Section or contact Solberg.

2. Select element size by matching the element with the anticipated duty and upsize accordingly.

Filter Assembly Maintenance

Request the appropriate maintenance manual for more in-depth information from your Solberg representative or on our website: www.solbergmfg.com.

Element Maintenance

Solberg elements should be replaced once the pressure drop reaches 15-20” H₂O above the initial pressure drop of the installation. Cleaning the element is also an option.

Solberg recommends replacing dirty elements for optimal performance. Any damage which results from by-pass or additional pressure drop created by element cleaning is the sole responsibility of the operator.

Note: The overall performance of a filter element is altered once cleaned. The initial pressure drop after subsequent cleanings will be greater than the original, clean pressure drop of the element. After each cleaning, the pressure drop will continue to increase. Under all circumstances, the initial pressure drop of the element needs to be maintained at less than 15” H₂O.

If the pressure drop exceeds 20” H₂O at start-up; it should be replaced with a new element. With many types of equipment, the maximum pressure drop allowed will be dictated by the ability of the equipment to perform to its rated capacity. Under all circumstances, the operator should avoid exceeding the manufacturer’s recommended maximum pressure drop for their specific equipment.

Rev: US0621K



Inline Straight Through Vacuum Filters

CT Series 1" - 6"

Features

- Compact design for space restrictions; min. service area
- Inlet above element for extended element life & maintenance intervals
- Corrosive resistant cast aluminum top with machined connections and integrated baffle design
- T-style design minimizes piping requirements
- Black powder coat carbon steel drop down bucket

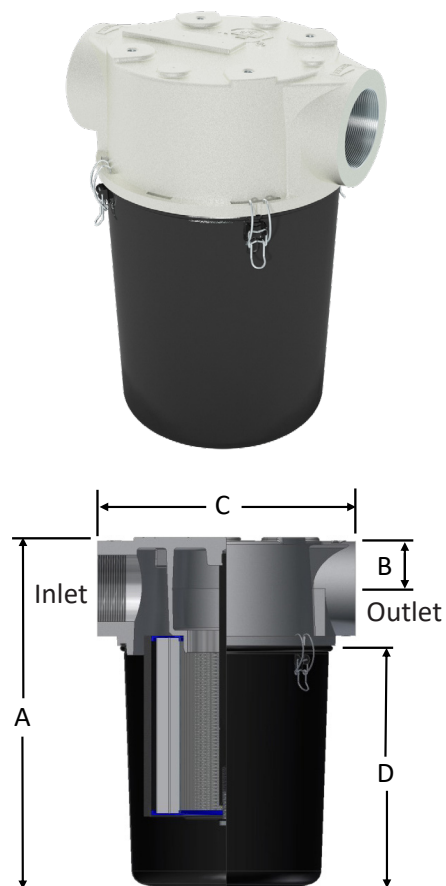
Technical Specifications

- Vacuum Rating: medium vacuum service*
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 15-20" H₂O over initial ΔP
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options



- Swing bolts for heavy duty environments
- Drain ports
- Extended capacity (select models)
- Various nonstandard finishes
- Reverse pulse configuration
- See-through bucket (select models)
- Taps for gauges and mounting brackets



Inlet/Outlet Size	Type	Assembly SCFM Rating	Assembly Part Number		Dimensions - inches				Suggested Service ht. inches	Approx. Weight lbs.	Replacement Element Part No.		Element SCFM Rating
			Polyester	Paper	A	B	C	D			Polyester	Paper	
1"	NPSC	40	CT-897-100C	CT-896-100C	13 1/8	1 1/2	7	10 1/8	9	12	897	896	80
1 1/4"	NPSC	60	CT-897-125C	CT-896-125C	13 1/8	1 1/2	7	10 1/8	9	12	897	896	80
1 1/2"	NPSC	80	CT-897-150C	CT-896-150C	13 1/8	1 1/2	7	10 1/8	9	11	897	896	80
2"	NPSC	175	CT-851-200C	CT-850-200C	12 13/16	2	9	9	9	16	851	850	290
2 1/2"	FPT	210	CT-851-250C	CT-850-250C	12 13/16	2	9	9	9	15	851	850	290
3"	FPT	300	CT-235P-300C	CT-234P-300C	18 5/8	2 3/4	13 1/2	13	9	30	235P™	234P™	570
4"	FPT	520	CT-235P-400C	CT-234P-400C	18 5/8	2 3/4	13 1/2	13	9	26	235P™	234P™	570
6"	FPT	1100	CT-275P-600C	CT-274P-600C	18 1/4	3 3/8	19	9 13/16	10	45	275P™	274P™	1100

Note: CT 2" & 2 1/2" models: element seals on the base of the housing.

*See Vacuum Filter Technical Data for vacuum service data and sizing guidelines.

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www.solbergmfg.com

All model offerings and design parameters are subject to change without prior notice.
Contact your representative or visit www.solbergmfg.com for the most current information.

Inline See-Through Vacuum Filters

ST Series 1" - 4"

Overview

Solberg's ST Series is designed to offer exceptional performance across a broad range of vacuum applications. The transparent housing offers users the ability to inspect filter elements without disassembling the unit. Ideal for rough-medium vacuum service, this compact design offers a smaller service footprint, allowing for easy access and quick maintenance in tight spaces. Multiple filter element media options offer superior protection and longevity for the vacuum system.

Features

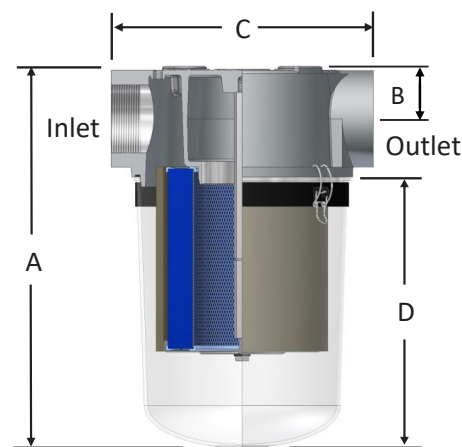
- Easy maintenance due to see-through bucket
- Compact design for space restrictions; min. service area
- Inlet above element for extended element life & maintenance intervals
- Corrosive resistant cast aluminum top with machined connections and integrated baffle design
- T-style design minimizes piping requirements
- Shatter-resistant polycarbonate drop down bucket

Technical Specifications

- Vacuum Rating: medium vacuum service*
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 15-20" H₂O over initial ΔP
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options

- Swing bolts for heavy duty environments
- Drain ports
- Extended capacity (select models)
- Reverse pulse configuration
- Taps for gauges and mounting brackets



Inlet/Outlet		Assembly SCFM Rating	Assembly Part Number		Dimensions - inches				Suggested Service Ht. inches	Approx. Weight lbs	Replacement Element Part No.		Element SCFM Rating
Size	Type		Polyester	Paper	A	B	C	D			Polyester	Paper	
1"	NPSC	40	ST-897-100C	ST-896-100C	13 3/8	1 1/2	7	10 3/8	9	11	897	896	80
1 1/4"	NPSC	60	ST-897-125C	ST-896-125C	13 3/8	1 1/2	7	10 3/8	9	11	897	896	80
1 1/2"	NPSC	80	ST-897-150C	ST-896-150C	13 3/8	1 1/2	7	10 3/8	9	10	897	896	80
2"	NPSC	175	ST-851/1-200C	ST-850/1-200C	16 1/4	2	9	12 7/16	9	15	851/1	850/1	290
2 1/2"	FPT	210	ST-851/1-250C	ST-850/1-250C	16 1/4	2	9	12 7/16	9	14	851/1	850/1	290
3"	FPT	300	ST-235P-300C	ST-234P-300C	19 3/4	2 11/16	13 1/2	14	9	29	235P™	234P™	570
4"	FPT	520	ST-235P-400C	ST-234P-400C	19 3/4	2 11/16	13 1/2	14	9	25	235P™	234P™	570

*See Vacuum Filter Technical Data for vacuum service data and sizing guidelines.

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Filter Media Specifications

Filter Elements

Standard Media

5 µm Polyester: 5 micron, 99+% efficiency

- ID: "odd number": i.e. **19[®]**, **235P[™]**
- Classification: ePM₁₀ 75% (ISO 16890)
- Pleated industrial needle felt polyester media
- Plastisol potting
- Temperature min: -15°F (-26°C), max: 220°F (104°C)
- Reinforced epoxy coated steel wire on ID and OD

2 µm Paper: 2 micron, 99+% efficiency

- ID: "even number": i.e. **18[™]**, **234P[™]**
- Classification: ePM_{2.5} 50% (ISO 16890)
- Heavy duty industrial strength paper
- Plastisol potting
- Galvanized expanded metal
- Temperature min: -15°F (-26°C), max: 220°F (104°C)

High Efficiency

1 µm Polyester - Z Media: 1 micron, 99+% efficiency

- ID: "odd number" & "Z" suffix: i.e. **19Z**, **235ZP**
- Classification: ePM_{2.5} 60% (ISO 16890)
- Epoxy coated steel wire on both sides of media
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Washable - lukewarm water & mild detergent

4 µm Polyester - N Media: 4 micron, 99+% efficiency

- ID: "odd number" & "N" suffix: i.e. **15N**, **377NP**
- Temp min: -15°F (-26°C), max: 220°F (104°C)

HEPA - HE Media: 0.3 µm, 99.97%

- ID: "HE" prefix & "even number": i.e. **HE230**, **HE334P**
- Classification: E12 under EN 1822/ISO 30E under ISO 29463
- Heavy duty industrial strength glass surrounded by galvanized expanded metal
- Maximum oversizing required to minimize pressure drop
- Plastisol potting standard
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: silicone potting, viton gaskets

ULPA - UL Media: 0.1 micron, 99.995% efficiency

- ID: "UL" prefix & "even number": i.e. **UL234**
- Classification: H14 under EN1822/ISO45H under ISO 29463
- Plastisol potting
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: silicone potting, viton gaskets

Dutch Twill Weave - DT Media

- ID: "DT" prefix & "odd number": i.e. **DT245**
- Classification: ePM₁₀ 70% (ISO 16890)
- Stainless steel woven wire cloth
- Viton gaskets & epoxy potting
- Temp min: -15°F (-26°C), max: 375°F (190°C)

Chemical / Food / Pharmaceutical

Stainless Steel Wire Mesh - S2 Media

- Stainless steel pleated wire mesh
- ID: "even number" & "S2" suffix: i.e. **14S2**
- Stainless steel expanded metal
- Chemical resistant and high temperature resistant
- Available with silicone endcaps

Polypropylene (PP) - Y Media: 5 micron, 99+% efficiency

- ID: "odd number" & "Y" suffix: i.e. **31Y**, **345YP**
- Epoxy coated steel wire on ID and OD

PTFE - TG Media: 0.3 micron, 99.5% efficiency

- ID: "TG" prefix & "odd number": i.e. **TG375**
- Classification: E11 under EN1822/ISO 15E under ISO 29463
- High temperature, chemical, & moisture resistant
- Options: viton gaskets, epoxy potting
- Temp (intermittent): Up to 482°F (250°C)

PTFE - TF Media: 0.3 micron, 99.5% efficiency

- ID: "TF" prefix & "odd number": i.e. **TF275**
- Classification: E11 under EN1822/ISO 15E under ISO 29463
- Chemical & moisture resistant
- Minimal pressure drop
- Temp (intermittent): 220°F (104°C)
- Options: viton gaskets, epoxy potting

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PPS - RY Media

- Broad chemical resistant media, high temp
- ID: "RY" prefix & "odd number": i.e. **RY485**
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: viton gaskets, epoxy potting

Coarse Efficiency

25 µm Polyester - U Media: 25 micron, 99+% efficiency

- ID: "odd number" & "U" suffix: i.e. **19U**, **685UP**
- Temp min: -15°F (-26°C), max: 220°F (104°C)

100 µm Polyester - W Media: 100 micron, 99+% efficiency

- ID: "odd number" & "W" suffix: i.e. **15W**, **385WP**
- Temp min: -15°F (-26°C), max: 220°F (104°C)

Wire Mesh - S Media

- Epoxy coated pleated wire mesh
- ID: "even number" & "S" suffix: i.e. **274S**, **344SP**
- Expanded metal
- Temp min: -15°F (-26°C), max: 220°F (104°C)

Stainless Steel - S2 Media

- Stainless steel pleated wire mesh
- ID: "even number" & "S2" suffix: i.e. **234S2**
- Chemical resistant and high temperature resistant
- Stainless steel expanded metal
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: silicone or epoxy potting, viton gaskets

High Temperature

Nomex - MX Media: 5 Micron, 99+% efficiency

- ID: "odd number" & "MX" suffix: i.e. **377MX**
- Classification: ePM₁₀ 80% (ISO 16890)
- Silicone potting
- Temperature min: -15°F (-26°C), max: 385°F (196°C)
- Reinforced epoxy coated steel wire on ID and OD

Nomex with Stainless Steel Support - MXD Media

- 5 micron, 99+% efficiency
- ID: "odd number" & "MX" suffix: i.e. **377MXD**
- Classification: ePM₁₀ 80% (ISO 16890)
- Silicone potting
- Reinforced stainless steel wire mesh on ID and OD
- Temperature min: -15°F (-26°C), max: 385°F (196°C)

Note 1: Elements rated for higher temperatures can be achieved with optional gasket material and potting compounds.

Note 2: Classifications are best estimates based on ISO 16890-1:2016.

Chemical Adsorption

Activated Carbon - AC Media: 10 micron, 99+% efficiency

- ID: "AC" prefix & "even number": i.e. **AC18**
- Removes gas or vapor odors, contaminants, & particulate
- Pleated media
- Reinforced with epoxy coated steel wire on both sides of cloth

Activated Carbon Granulate - ACG Media

- ID: "ACG" prefix & "even number": i.e. **ACG30**
- Removes gaseous or vapor odors
- Granulates are enclosed within a polyester wrap and expanded metal on the ID and OD

Activated Alumina - AA Media

- ID: "AA" prefix & "even number": i.e. **AA850**
- Desiccant used in the adsorption of water & oil vapor and the prevention of backstreaming in pumps
- Adsorbs up to 40% of media's weight

Activated Carbon - GMAC Media

- 3 micron, 70% efficiency
- ID: "GMAC" prefix & "odd number": i.e. **GMAC235**
- Superior odor removal
- Chemically inert

Coalescing Media

PSG Media, FG Media, GL Media

- 0.3 micron, 99.97% efficiency
- ID: "PSG" prefix & "even number": i.e. **PSG344**
- ID: "FG" prefix: i.e. **FG9**
- ID: "GL" prefix: i.e. **GL915**
- Heavy duty industrial glass media, reinforced with epoxy coated steel wire & expanded metal
- Continuous operating temp: 68°F (20°C) to 180°F (80°C)
- Environmentally friendly sealing material
- High D.O.P. efficiency - low oil carryover
- Multiple media configurations, contact factory



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OMNIAIRE 600 Nitro

HEPA Air Filtration Machine

ORDERING INFO

OmniAire 600 Nitro

Primary/Secondary Two-Stage Filters (box of 20)

HEPA Filter 99.99%, 0.3 μ (plastic frame)

OdorGuard 600 Carbon Filter

Quick Clamp, 8"-12" Dia.

Flexible Duct, 10" Dia. x 25' L

Flexible Duct, Wire & Fiber Reinforced

PART NUMBER

OA600N

OAP1616

OAH15156P

OG1616

QCW12

OAD10

OAD10R



UL 507:1997/R:2017-01
CAN/CSA-C22.2 No. 113-15

The OmniAire Nitro 600 is a portable HEPA air scrubber with a variable speed motorized impeller featuring high suction capacity and air flow. It is used for removal of toxic mold, asbestos and lead dust during renovation and abatement projects, and for purifying air in commercial, factory sites and medical facilities. The Nitro can be used with a variety of filters such as HEPA 99.99%, MERV 15, or an activated carbon filter. Units are safely stackable up to 3 high during operation, transportation, and storage.

Airflow*

OmniAire 600 Nitro

200 - 600 CFM

Power Requirements

115VAC/60 Hz/2.4 Amp

Blower

motorized impeller with thermal overload

Recessed Controls

variable speed control; red power indicator light; amber change filter light; GFI protected outlet (8 Amp load max); 12 Amp breaker

Filtration

HEPA Filter 99.99% 0.3 μ ; MERV 9 primary/secondary filter
Optional: OdorGuard 600 carbon web filter

Housing

polyethylene; 10" inlet/outlet; soft rubber handle

Size/Weight

19"W x 19"H x 25"L; 36 lbs.

**Airflows based on blower manufacturer curves. Different filters may cause the flow to vary.*



OmniAire Negative Air / HEPA Air Filtration Machines

OmniAire 600 Nitro Series
Operation and Maintenance Manual



WARNING

SAFETY WARNING INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

This equipment to be operated only by trained personnel.



Do not use near combustible or explosive material. Fire may occur.



Do not operate if cord or plug is damaged. Contact an authorized service facility for examination and/or repair.



Do not expose to water or rain. Electrical shock may occur.



Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic areas and where it is not a tripping hazard.



Connect only to grounded outlet with GFCI device.



Disconnect power for cleaning and servicing.



Disconnect power cord before moving.

L'AVERTISSEMENT

INSTRUCTIONS D'AVERTISSEMENT DE SÉCURITÉ

LIRE ET CONSERVER CES INSTRUCTIONS

Cet équipement ne doit être utilisé qu'après avoir lu les instructions.



Ne pas utiliser à proximité de matériaux combustibles ou explosifs. Un incendie peut se produire.



Ne pas utiliser si le cordon ou la fiche est endommagé. Contactez un centre de service autorisé pour examen et / ou réparation.



Ne pas exposer à l'eau ou à la pluie. Un choc électrique peut se produire.



Ne pas passer le cordon sous un tapis. Ne pas couvrir le cordon avec des carpettes, les coureurs, ou revêtements simili- laires. Éloigner le cordon des endroits passants et où il n'est pas un risque de déclenchement.



Connecter uniquement à une prise mise à la terre.



Débranchez l'alimentation pour le nettoyage et l'entretien.



Débranchez le cordon d'alimentation avant de vous déplacer.



CONFORMS TO UL STD 507
CERTIFIED TO CAN/CSA STD
C22.2 NO. 113-M1984

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Introduction

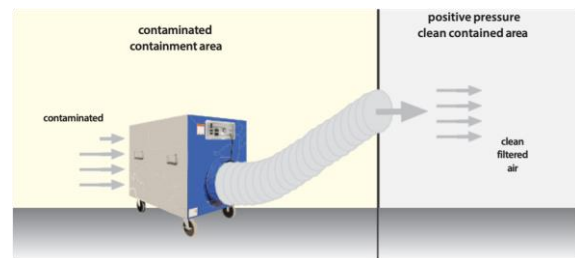
The OmniAire 600 Nitro is a rotomolded negative air machine and air scrubber that combines compact portability and rugged design with HEPA technology. It effortlessly cleans the air and, with variable fan speed control, delivers negative or positive pressure compliance in spaces as large as 9000 cubic feet. Up to three Nitro air scrubbers can be daisy-chained together using the integrated 8 Amp GFCI-protected outlet, allowing for multiple units to service larger spaces efficiently. It can be used with multiple filter options such as HEPA, and MERV-rated pre-filters. For VOCs and odor control, the activated carbon filters can be quickly installed. Additional accessories include the intake manifold, flex ducting, and quick clamps.

Application Examples

Creating Negative Air Pressure

To create negative pressure inside the containment area, more air has to be exhausted out than leaks into the containment. Negative air may be required for a workflow (asbestos abatement for example).

Place the machine inside the containment and hook a flexible duct to the outlet ring of the machine exhausting to outside the containment. In this case, all contaminated air is contained inside the negative air pressure space. Alternatively, the machine can be outside the containment space, using a duct and an intake manifold.



Creating Positive Air Pressure

An alternate workflow is to create positive air pressure in the containment area, which ensures that treated air is pumped into the containment area.

Carbon Activated Filtering

For VOCs and odor control, activated carbon filters are designed to remove odors and gaseous pollutants from the air. The PRO-C model comes standard with a Vapor Trap Bulk Activated Carbon Filter for projects that have primary focus on VOCs and odors removal. The MERV-rated pleated carbon filter and OdorGuard carbon activated filter can be quickly installed as pre/post-filter. These filters are an effective and quick solution to your VOCs and odor problems.

Operations

Your OmniAire unit will run 24x7 continuously for years with proper preventative maintenance and prompt replacement of the proper filters. Even when the HEPA filter is fully loaded, the filter is still removing particulates from the air at the rated efficiency yet at a reduced airflow. This will affect the ability of the machine to provide positive or negative pressure within the containment. When the unit's HEPA filter is nearing full capacity, the "change filter" light on the front panel will turn on. At this time you should replace the HEPA filter so that you can maintain the airflow needed.

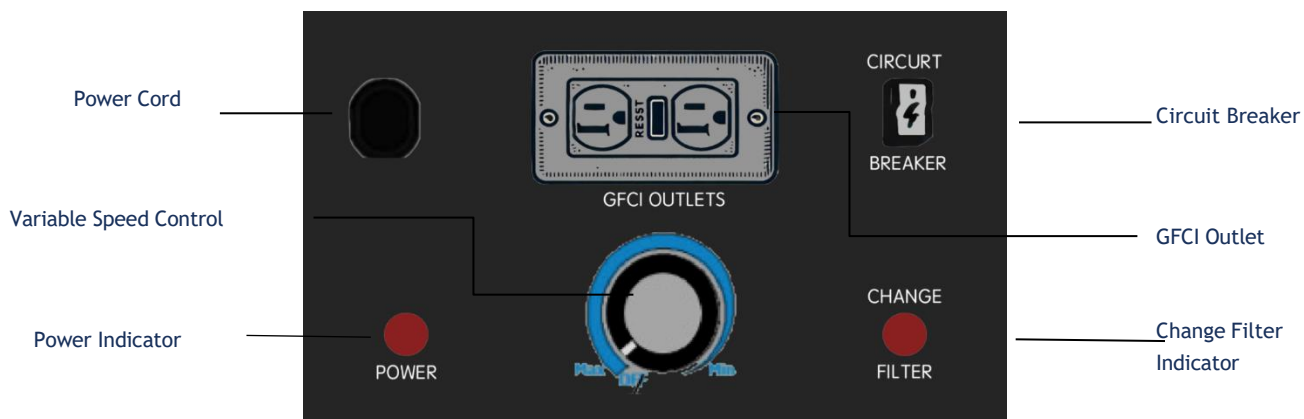
Prior to operating the machine, always check that the HEPA filter is securely in place. Tighten filter tabs if necessary. The HEPA filter is secured with four filter tabs as shown in the photo. It is critical that the HEPA seal is in place to ensure all air passes through the HEPA. These tabs are secured with 1/4-20 Nylock nuts, which require a 7/16" wrench or socket.

Do not operate the unit without a HEPA filter in place.



Refer to the figure below for the location and description of controls available for each of the two models. To operate the machine, turn the dial from Off to the desired speed.

(**Note:** The 230V and international versions of OA600 Nitro **DO NOT** include a GFCI outlet, all other functionalities remain the same.)



Maintenance

Preventative Maintenance

The motor and blower do not require maintenance and your OmniAire machine will run for years with proper regular replacement of the filters. In addition, the unit's power cord should be inspected for cuts or other damage on a regular basis.

Prefilter Replacement

The primary/secondary filter should be changed when the orange side shows it is loaded with dust. Changing the filter can be done while the machine is running. Ensure that the orange side of the prefilter is facing the HEPA filter.

HEPA Filter Replacement

During your projects, your HEPA filter purifies the air and gradually becomes loaded with sub-micron particulates. Even when the HEPA filter is fully loaded, the filter is still removing particulates from the air at the rated efficiency yet at a reduced airflow. This will affect the ability of the machine to provide positive or negative pressure within the containment.

To replace the HEPA filter unplug the machine and remove the screen/manifold to remove the prefilter. You will see 4 filter tabs holding the HEPA filter in place (see photo above). These tabs are secured with 1/4-20 Nylock nuts, which require a 7/16" wrench or socket.

Remove all 4 filter tab retaining nuts and remove the filter tabs and set aside. Slide the HEPA filter out along the filter guides and remove it from the machine. ALWAYS TREAT THE USED HEPA FILTER AS HAZMAT AND PROCESS IT ACCORDING TO YOUR ESTABLISHED HAZMAT PROCEDURES.

To replace the HEPA filter ensure that the gasket on the HEPA filter faces inwards toward the flange, slide the filter in place along the filter guides and re-install the filter tabs and filter tab securing nuts. The nuts should initially be tightened to where the stud is flush with the end of the nut. This will compress the gasket on the filter approximately 1/2 of the thickness. This allows for the filter to be reseated and tightened at a later time if necessary.

Bulk Carbon Filter

Activated carbon filters are designed to remove odors and gaseous pollutants from the air. These filters are an effective and quick solution to your VOCs and odor problems. The selection of the carbon filter depends on the type and amount of the gaseous pollutants. You will need to determine the requirements of your application. The Bulk Carbon Filter can be installed in place of a HEPA filter. We recommend using our primary/secondary filter in front of the Bulk Carbon Filter to extend its odor absorption capacity.

Troubleshooting

Your OmniAire Negative Pressure Machine is designed and manufactured to provide years of trouble-free performance. If there is a problem, please reach out for technical support and we are happy to help.

The machine does not start

1. Check that the unit is plugged in and there is 115VAC available. Turn the dial to power on the unit to turn the machine on. If the red indicator light comes on, power is coming to the unit from the outlet.
2. Check the circuit breaker and reset if necessary.
3. Contact Omni CleanAir technical support to troubleshoot further.

The machine just hums when turned on

1. Unplug the unit.
2. Remove the HEPA filter and push the blower wheel by hand. If it does not move freely or if you hear a grinding/scraping noise as you spin it, then the blower wheel touches the side of the blower housing. This may be due to an impact of some kind and the motor mounts have been bent. Remove the motor/blower assembly and replace the bent motor mounts.
3. If the blower spins freely, check the capacitor. With the HEPA filter still removed from the machine, ensure that the wiring connected to the capacitor is plugged in and not broken. Re-plug the unit into the power outlet keeping the switch in the OFF position. Then push the blower wheel, remove your arm, and as it is spinning turn the speed selector switch to LOW. **[ENSURE NO CLOTHING OR HAIR IS CLOSE TO THE MOTOR.]** If the machine keeps running, the capacitor needs to be replaced.

The machine will run for a few minutes then turn off

1. The machine must have a HEPA filter (or bag filter or Vapor Trap filter) installed to operate properly. If you are trying to run it without a filter in place, the motor will overheat within a few minutes and the thermal overload will engage and shut it down. Let the motor cool off for 30 minutes, install the filter and try running the machine again.
2. If the filter is in place and the machine still shuts off after a few minutes then the motor is faulty. Replace the motor.

The machine vibrates excessively when running

1. This is an indication that the motor bearings are worn out. If the machine continues running, at this point the vibration will cause the center hub of the blower wheel to separate from the wheel requiring replacement of both the motor and blower. Replace the motor. Wiring diagram can be provided.

Available Models

OA600 PLUS, OA600 PRO, OA600 PRO-C

Parts and Accessories

Family	OA600 Nitro
Plus Model	OA600N PLUS
Pro Model	OA600N PRO
Pro-C Model	OA600N PRO-C
HEPA Filter 6" depth 99.99%	OA1515-40
HEPA Filter 6" depth 99.99%, High Capacity	OA1515-50
Carbon Activated Bulk Filter	OAC1515
High Capacity Carbon Activated Bulk Filter	OAC1515-H
MERV-9 Poly Pad Pre-filter	OAP1818
OdorGuard 600 Carbon Filter	OG1616
2" Pleated Panel Filter	OPF1616
Quick Clamp, 10"	QCW12
Flexible Duct, 10" Dia. x 25' L, Wire & Fiber Reinforced	OAD10

Product Specifications

Family	OA600N
CFM TrueCFM™ - Plus Model	200 CFM to 700 CFM based on speed settings and filter selection
CFM TrueCFM™ - Pro Model	
Noise (6 foot distance)	50 db - 75 db
Weight (lbs)	35 37 37
Power Consumption	115 VAC/60 Hz/2.4 Amp
Size	19"W x 19"H x 25" L

Omni CleanAir Limited Warranty

This warranty policy covers equipment (machines and accessories) sold by Omni CleanAir and applies to the OmniClean, OmniTec, and AgriAir portfolio of brands.

Omni CleanAir warrants that our products are free from defects in workmanship and materials under normal use during the warranty period. All OmniClean machines including the OCA500, 1200, and 1500 series, excluding consumables come with a standard two (2) year warranty. All OmniTec and AgriAir machines excluding consumables come with a standard one (1) year warranty. Warranty covers parts and labor only, excluding consumables. Consumables (HEPA filters, prefilters, carbon filters, and UV light bulbs) carry no warranty other than to be free of defects upon arrival. Non-Consumable accessories come with a standard ninety (90) day warranty.

The warranty extends to the following parties:

- Customers (individuals or companies) to whom Omni CleanAir directly sells products covered by this policy.
- Customers (both individuals and companies) who purchase Omni CleanAir products from an authorized distributor or reseller.

This limited warranty is not transferable or assignable to any subsequent purchaser and is only applicable in the country where the product was originally purchased.

The following circumstances are not covered by this warranty policy:

- Damage caused by an act of nature such as flood, fire, wind, earthquake, or lightning.
- Damaged caused during shipping or an impact event with other objects.
- Damaged caused by improper care or negligence.
- Damaged caused by misuse, abuse, mishandling, or misapplication.
- Damaged caused by alteration or adjustments by unauthorized personnel.

Under no circumstances shall Omni CleanAir or any supplier of Omni CleanAir be liable for any loss, damage or expense, including, but not limited to, loss or damage arising out of the failure of the products to operate for any period of time, inconvenience, the use of rental or replacement equipment, loss of profits or other economic loss, or general, direct, special, indirect, incidental or consequential damages or property damages.

Many states and localities have their own varied codes and regulations governing sales, construction, installation, and/or use of Equipment for certain purposes. While Omni CleanAir attempts to assure that its Equipment comply with such codes, it cannot guarantee compliance, and cannot be responsible how Equipment is installed or used. Omni CleanAir recommends that, before purchasing and using Equipment purchasers review the Equipment application, and federal, state and local regulations, to be sure that the Equipment installation and use will comply with them.

Omni CleanAir offers extended warranty through the GOLD CARE MEMBERSHIP PROGRAM, for as long as membership status is maintained. For more information please visit omnicleanair.com/resources/gold-care-membership

To Submit a Warranty Claim or Receive Technical Support

Contact our Technical Support Department at 425 512 0379 or by email at support@omnicleanair.com. Hours are Monday-Friday 7:30am-4:00pm PST. Please have the product model name and serial number available, along with the purchase date and invoice number, if applicable. Our service technicians will work with you to diagnose your technical issue and recommend a suitable course of action to solve your problems quickly and to your satisfaction.

If it is determined that your product is defective and under warranty, OmniClean will repair or replace, at our discretion, any faulty parts or equipment. A Return Merchandise Authorization (RMA) will be issued for the defective product.

Customer to arrange and ship the product to Omni CleanAir at the customer's expense and must use original packaging. For units that have failed within 30 days, Omni CleanAir will pay the cost of return shipping from the customer's site. If Omni CleanAir determines that the Warranty Claim is valid, Omni CleanAir will be responsible for shipping the repaired product to the customer upon completion of any repairs or replacements.

In instances where equipment is damaged in transit wither while being returned to Omni CleanAir or after repairs have been completed, Omni CleanAir and the customer will need to work together to resolve these situations with the freight carrier(s) involved.

- If a shipment is made on the customer's account with a third party freight carrier, the customer is responsible for filing any claim for reimbursement and will be responsible for any associated repairs or the replacement of the Equipment is in question.
- If a shipment is made on the Omni CleanAir's account with a third party freight carrier, and the equipment arrives at the customer's location clearly damaged, it is the responsibility of the Customer to reject the freight carriers delivery. If the customer accepts the shipment and determines after the fact that the equipment was damaged during shipment, the customer is responsible to provide photos, an inspection report, and any other information to Omni CleanAir within 14 days, in order for Omni CleanAir to file a claim with the third party freight carrier. Once the claim has been filed Omni CleanAir will work with the customer to address the damage incurred.

Appendix E

Chemical Use Inventory Questionnaire

**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name _____ Date/Time Prepared _____

Preparer's Affiliation _____ Phone No. _____

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ____)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors _____ Building age _____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other _____
- c. Basement floor: concrete dirt stone other _____
- d. Basement floor: uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y / N
- k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level **General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**

Basement	
1 st Floor	
2 nd Floor	
3 rd Floor	
4 th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?	Y / N
b. Does the garage have a separate heating unit?	Y / N / NA
c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)	Y / N / NA Please specify
d. Has the building ever had a fire?	Y / N When?
e. Is a kerosene or unvented gas space heater present?	Y / N Where?
f. Is there a workshop or hobby/craft area?	Y / N Where & Type?
g. Is there smoking in the building?	Y / N How frequently?
h. Have cleaning products been used recently?	Y / N When & Type?
i. Have cosmetic products been used recently?	Y / N When & Type?

- j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____
- k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____
- l. Have air fresheners been used recently? Y / N When & Type? _____
- m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____
- o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building?

Y / N

If yes, please describe: _____

Do any of the building occupants use solvents at work?

Y / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work?

Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

No

Unknown

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

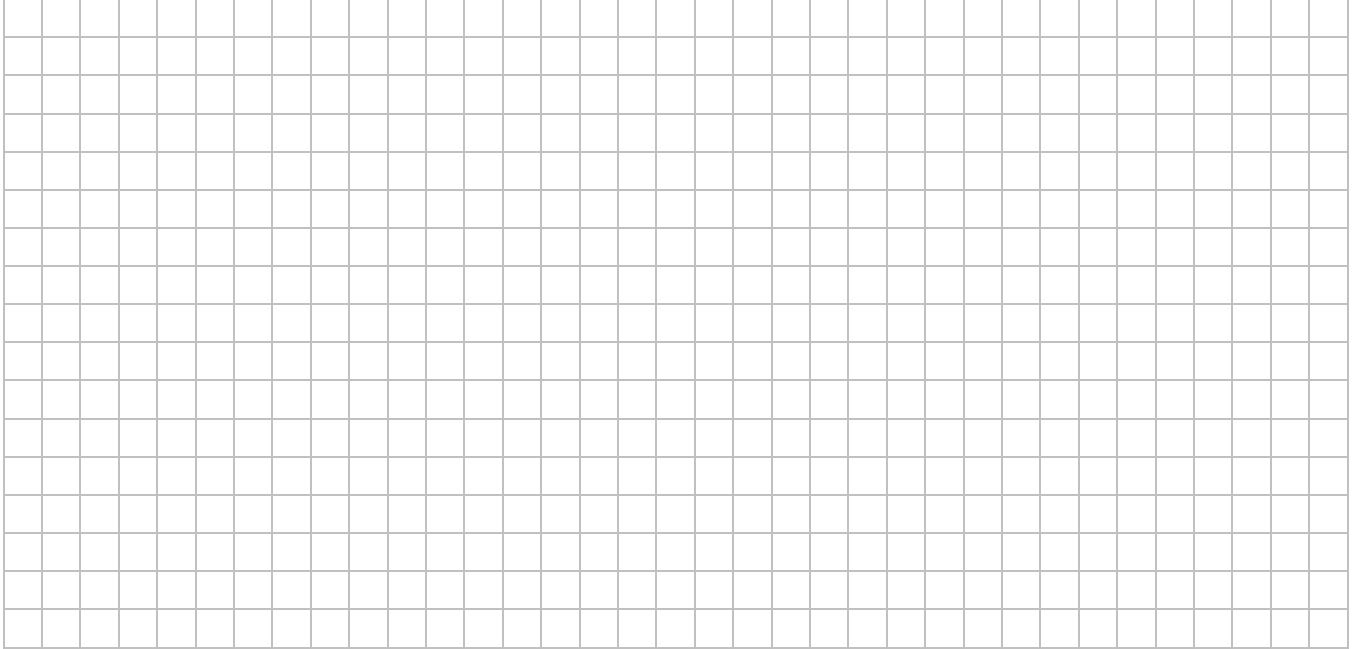
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

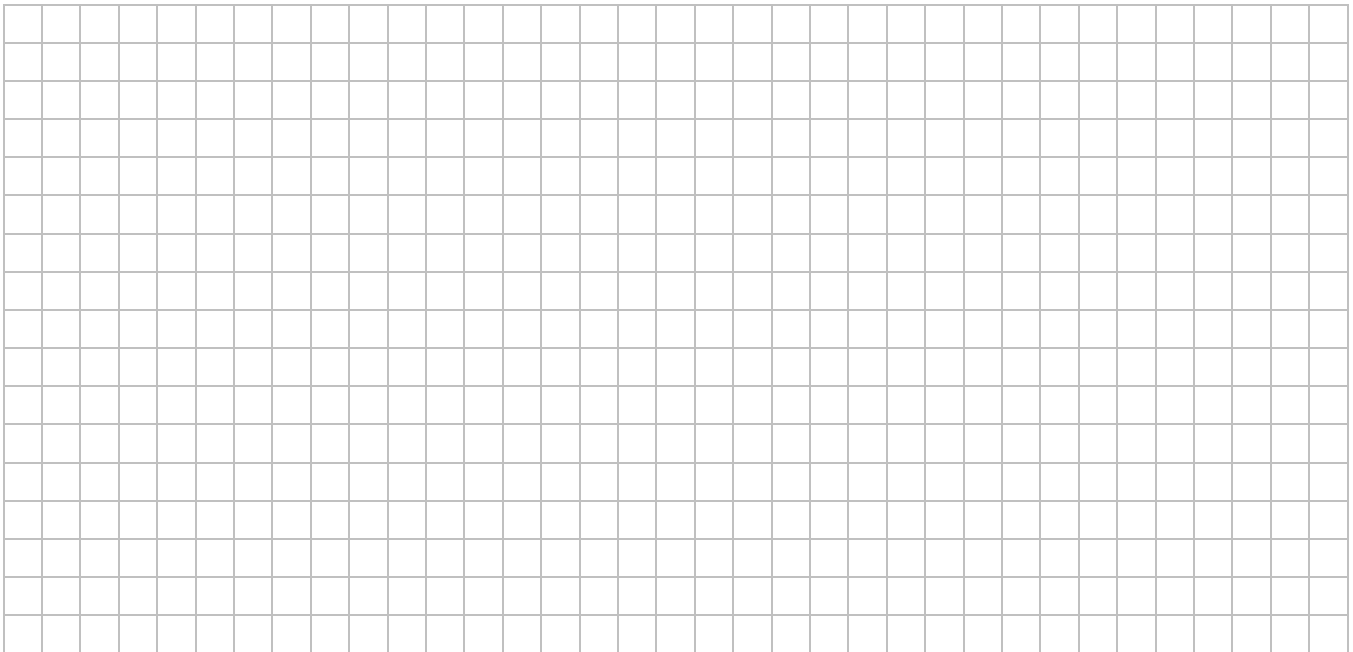
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



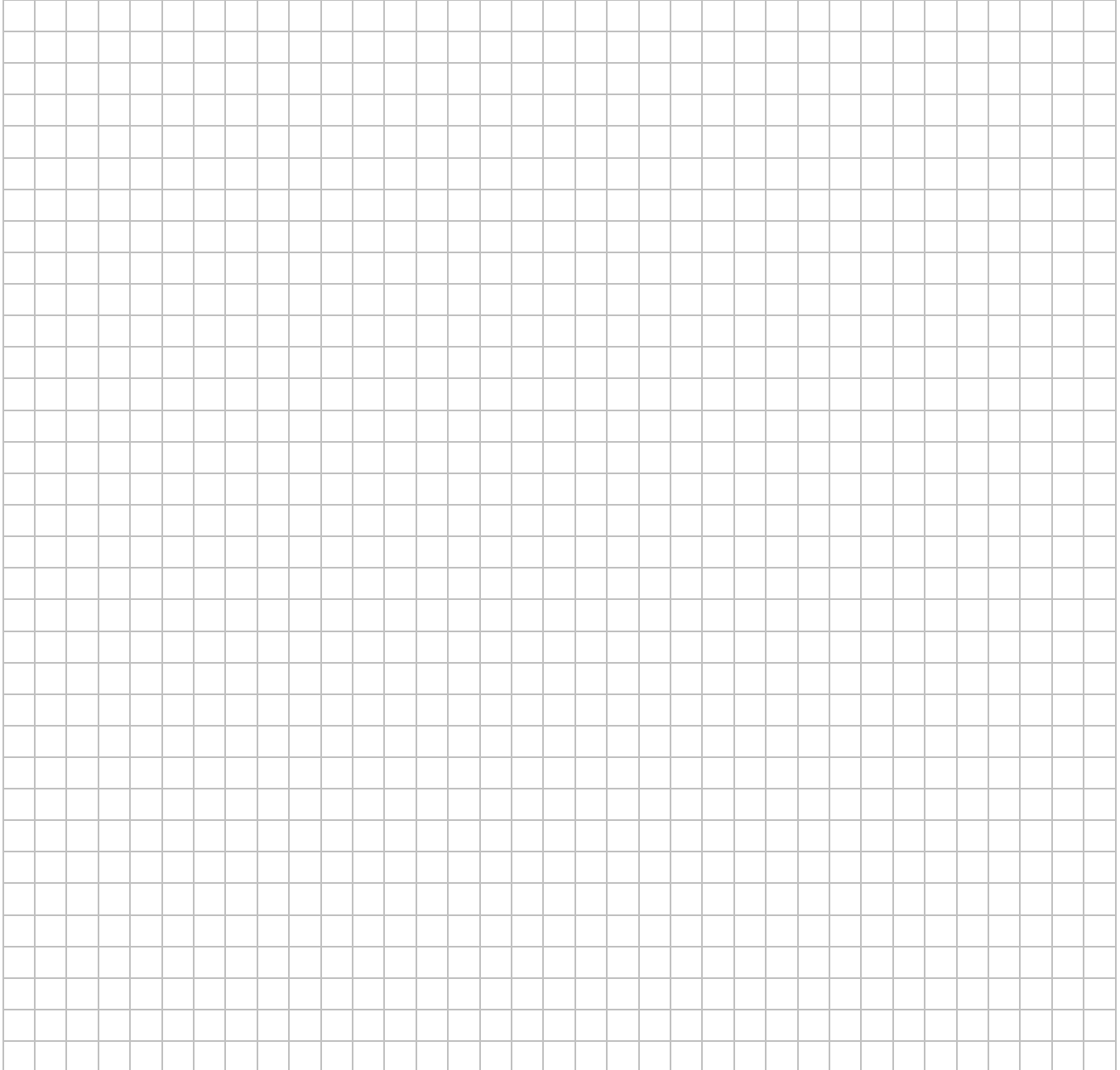
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

[illegible]

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

**** Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.**