

July 15, 2022

Your Reference
NYSDEC Site: 8-62-009

Mr. Gerald H Pratt
Division of Environmental Remediation
New York State Department of
Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233

**2021 Q4 Groundwater Monitoring Event and Annual Site Inspection Report
Penn Yan Water Street Former MGP Site
Penn Yan, New York**

Dear Mr. Pratt,

On behalf of New York State Electric and Gas (NYSEG), AECOM USA, Inc. (AECOM) is pleased to present this Groundwater Monitoring Event (GME) report for the former Penn Yan Water Street Manufactured Gas Plant (MGP) site in Penn Yan, New York (the "Site"). **Figure 1** attached shows the Site Location Plan.

This correspondence presents the findings of the GME completed over the period November 29 – 30, 2021 (2021 Q4 GME) and the Annual Site Inspection completed on November 30, 2021 in accordance with the Interim Site Management Plan (ISMP; AECOM, 2020a).

Results from the 2021 Q4 GME will be incorporated into the ongoing groundwater monitoring dataset in accordance with the requirements of the ISMP.

1. Background

The Site is an approximate 0.815-acre area located in the Village of Penn Yan, Town of Milo, Yates County, New York as shown in **Figure 2** attached. An off-Site area consists of an approximate 1.7-acre portion of the Keuka Lake Outlet which is a Class C waterway. This off-Site area consists of submerged sediments beneath the Keuka Lake Outlet claimed by the State of New York.

The primary constituents of concern at the Site are benzene, toluene, ethylbenzene, and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs) and cyanide. The Site has undergone extensive remedial investigation, numerous interim remedial measures and remedial actions including excavation of impacted soils and removal of former MGP structures. A history of the remedial investigations and actions completed at the Site is provided in the ISMP.

The ISMP was submitted to the New York State Department of Environmental Conservation (NYSDEC) in December 2020 and is pending approval. The ISMP outlines the monitoring requirements for the Site which include quarterly groundwater monitoring for 12 locations across the Site to establish baseline conditions and to evaluate the potential for seasonal fluctuations in constituent concentrations.

The 2021 Q4 GME is the fourth GME to be completed since submission of the ISMP to NYSDEC in December 2020. The outcomes of the 2021 Q3 GME (August 2021) are presented in AECOM, 2021c.

2. Scope of Work

The scope of work completed for the 2021 Q4 GME and Annual Site Inspection included the following:

- In accordance with the ISMP and the Work Plan (AECOM, 2020b), the 2021 Q4 GME comprised the following:
 - On November 29, 2021, water level gauging was completed at the 12 groundwater wells specified for monitoring by the ISMP, namely; monitoring wells PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-

3D, PRMW-4S, PRMW -5S, PRMW-5D, PRMW-6S, PRMW-6D, TMW-1D, and TMW-2D. Water level gauging was completed at monitoring well TMW-2D; however, due to stone blocking the well at approximately eight feet below ground surface (bgs) this well was unable to be sampled. Groundwater monitoring well locations are presented in [Figure 2](#) attached.

- Each well was gauged for the presence of non-aqueous phase liquid (NAPL) using an oil-water interface probe.
- Over the period November 29 – 30, 2021, the 11 accessible groundwater monitoring wells (PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-3D, PRMW-4S, PRMW-5S, PRMW-5D, PRMW-6S, PRMW-6D, and TMW-1D) were sampled in accordance with the ISMP. The following groundwater sampling activities were conducted:
 - Water level measurements were taken at each well prior to purging and sampling.
 - Each well was purged and sampled using low-stress (low flow) groundwater sampling methods by use of a peristaltic pump.
 - Field parameters, including pH, oxidation/reduction potential (ORP), dissolved oxygen (DO), and turbidity, were monitored and documented prior to sample collection. The following stabilization criteria were met for each parameter before sampling:
 - Temperature $\pm 3\%$
 - pH ± 1.0 unit
 - DO $\pm 10\%$
 - ORP $\pm 10\text{mV}$
 - Specific Conductivity $\pm 3\%$
 - Drawdown $< 0.3'$
 - Groundwater purge and sampling forms are provided in [Appendix A](#).
- All wastewater generated during sampling (purge water, and decontamination fluids) was containerized for characterization and off-Site disposal.
- Quality control samples were collected including one for every 20 field samples taken. Quality control samples consisted of a field duplicate, a matrix spike, a matrix spike duplicate, and an equipment blank. Based on the number of wells to be sampled (11), one set of quality control samples was required. A trip blank was sent daily with each set of volatile organic compound samples. Quality control samples were analyzed for BTEX, PAH and total cyanide.
- Groundwater samples were delivered to the Albany Eurofins Test America service center on November 30, 2021 to be shipped to Eurofins Test America in Buffalo, New York for laboratory analysis.
- In accordance with the ISMP, the Annual Site Inspection completed on November 30, 2021 comprised the following:
 - Assessment of:
 - Soil and engineered cover system integrity,
 - Keuka Lake Outlet for the presence of NAPL-related ebullition and sheens in water and in sediment,
 - The streambank for erosion and surface coverage,
 - Vegetative cover (coverage and evidence of invasive species) and,
 - Monitoring well network integrity.
 - An inspection of Site cover, and assessment of Site modifications including excavation activity, change in use or new structures (if any).

- Documentation of any changes at the Site that could compromise effectiveness of the engineering or institutional controls.

3. Groundwater Gauging and Sampling Observations

A total of 12 groundwater wells were gauged and 11 groundwater wells sampled. Well gauging data is provided in **Table 1** attached. A summary of observations is provided below:

- Groundwater elevations ranged from 713.84 (PRMW-5S) to 722.42 (PRMW-2S) in the shallow aquifer and 718.11 (PRMW-5D) to 719.50 (PRMW-2D) in the deep aquifer. The overall groundwater table elevation was lower compared to the previous gauging event completed in August 2021.
- Monitoring well TMW-2D was not sampled due to the blockage investigated during the previous GME event, as described in AECOM, 2021c.
- At the time of the 2021 Q4 GME, groundwater flow in the shallow and deep aquifers was in a general south easterly direction, toward the Keuka Lake Outlet, as shown in **Figure 3** and **Figure 4** respectively. The general direction of groundwater flow is similar to that documented in previous monitoring events.
- No measurable NAPL was identified in any of the gauged wells.
- No odors or sheens were noted during gauging or sampling.

4. Analytical Laboratory Analyses

All groundwater samples were analyzed for:

- BTEX: United States Environmental Protection Agency (USEPA) SW846 Method 8260C
- PAHs: USEPA SW846 Method 8270D
- Total cyanide: USEPA SW846 Method 9012B

The laboratory prepared a complete NYSDEC Analytical Services Protocol Category B data delivery package as presented in **Appendix B**.

5. Discussion of Analytical Results

Groundwater sample results were validated by an AECOM chemist, and data have been determined to be usable and no data points were rejected. A full copy of the DUSR is provided in **Appendix C**.

Results of analysis have been screened against the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQS/GV) for water class GA. **Table 2** attached provides a summary of the analytical results screened against the AWQS/GV. Also included in **Table 2** are the results of the previous analysis (2021 Q3 GME) for reference. **Table 3** attached provides the stabilized parameters of each location at the time of sampling.

Figure 5 summarizes groundwater exceedances for BTEX, PAHs and total cyanide. An overview of the groundwater analytical results is provided below:

- BTEX:
 - Consistent with the 2021 Q3 GME, monitoring well PRMW-5S was the only well that reported detectable concentrations of BTEX. Concentrations of benzene, ethylbenzene and xylene were reported above the AWQS/GV. It is noted that the benzene concentration at PRMW-5S (27 µg/L) is comparable to the previous GME (21 µg/L).
 - Ethylbenzene and total xylene concentrations (5.9 µg/L and 6.6 µg/L, respectively) increased compared to the previous GME, and exceeded the AWQS/GV (both 5 µg/L) at PRMW-5S.
- PAHs:

- Consistent with the 2021 Q3 GME, PRMW-5S was the only well that reported PAH concentrations above the AWQS/GV. The observed naphthalene concentration (44 µg/L) remains above the AWQS/GV of 10µg/L.
- The reported acenaphthene concentration (15 µg/L) in PRMW-5S reduced compared to the previous GME, and was reported below the AWQS/GV of 20 µg/L
- There were also detections of anthracene (0.52 J µg/L), pyrene (1.3 J µg/L), fluoranthene (2.1 J µg/L), acenaphthylene (3.4 J µg/L), phenanthrene (5.7 µg/L) and fluorene (5.5 µg/L) that did not exceed the AWQS/GV. The PAH signature in groundwater at PRMW-5S is relatively consistent with the 2021 Q3 GME, with noticeable decreases in acenaphthylene, fluoranthene, phenanthrene, and fluorene.
- All remaining locations reported PAH concentrations below the laboratory reporting limit.
- Total Cyanide:
 - The concentration of total cyanide (0.27 mg/L) exceeded the AWQS/GV of 0.20 mg/L at monitoring well PRMW-3S. This is the first reported AWQS/GV exceedance for total cyanide at the Site.
 - There were detections of total cyanide at PRMW-2S (0.09 mg/L) and PRMW-6S (0.051 mg/L).
- Field Parameters:
 - The average pH, turbidity, ORP, conductivity, and DO for shallow wells are 7.32 pH units, 9.98 NTU, 48.57 MeV, 0.99 mS/cm, and 0.55 mg/L, respectively.
 - The average pH, turbidity, ORP, conductivity, and DO for the deep wells are 7.85 pH units, 158.55 NTU, - 76.78 MeV, 0.34 mS/cm, and 0.89 mg/L, respectively.
- Mann-Kendall Analysis
 - Mann-Kendall trend analysis has been completed for constituents of concern, namely, benzene, ethylbenzene, total xylenes, acenaphthene, and naphthalene. Mann-Kendall analysis for constituents of concern is provided in [Appendix D](#). The following is noted based on the current dataset:
 - Benzene concentrations in PRMW-5S are stable.
 - Ethylbenzene concentrations in PRMW-5S have no trend.
 - Total xylenes concentrations in PRMW-5S are stable.
 - Acenaphthene concentration in PRMW-5S are stable.
 - Naphthalene concentrations in PRMW-5S have no trend.
 - Mann-Kendall trend analysis has been completed for DO as a monitored natural attenuation parameter and is included in [Appendix D](#). Based on the current dataset, DO concentrations in PRMW-5S have no trend.

6. Annual Inspection Observations

6.1 Soil and Engineered Cover System Integrity

The Site cover was noted to be in changed condition since the remedial construction was completed. The Site cover along the western property boundary has been modified to asphalt paving. NYSEG entered into an agreement with the adjacent property owner to allow use of an approximately 15 feet wide strip of Site property along the shared boundary. The terms of the agreement precluded excavation such that any grading required for the asphalt paving preparation would require placement of fill. Upon further inspection of the Site, it was noted that fill soils, comprising soil/brick/ash/concrete rubble, had been placed along the upper portion of the Site parallel to Water Street between the portion of crushed stone driveway which parallels the road and the crest of the slope down onto the rest of the Site.

This fill material was later confirmed to have been placed by the contractor performing the paving work. The contractor stated that the fill was placed to adjust drainage in an area that appeared low or bowl shaped. The fill soils were

subsequently sampled and analyzed for contamination. Results of this sampling were provided to NYSDEC under a separate cover (AECOM, 2022). In summary, based on the analytical results, the fill material was determined not to exceed unrestricted or restricted residential soil cleanup objectives and guidance values. It was concluded that the fill material is suitable to remain in place.

6.2 Keuka Lake Outlet Monitoring

The Keuka Lake Outlet was observed for signs of visible NAPL ebullition and sheens. No visible NAPL ebullition or sheens were observed.

6.3 Streambank Erosion and Surface Coverage Assessment

The streambank had soil in place, was vegetated and noted to be in good health. The streambank was observed to be in stable condition.

6.4 Assessment of Site Cover and Use

With the exception of the placement of fill soils as noted in [Section 6.1](#), the Site usage and conditions are consistent with those at the completion of the remedy.

No significant erosion of Site cover was noted. No additional signs of disturbance to the cover, including controlled low-strength material, were noted beyond those detailed in [Section 6.1](#). All non-paved or crushed stone-covered areas were covered with vegetation as at the completion of the remedy. No evidence of invasive species was noted.

Since there are no newly occupied structures at the Site, indoor air quality monitoring is not currently required. It is noted that the existing former gas house, with its underpinned foundation system, asphalt pavement, crushed stone and vegetative cover at the Site mitigate human exposure to any underlying soils which may still contain constituents of concern.

Photographs taken during the Site inspection are included in [Appendix E](#). The Annual Site Inspection form is included as [Appendix F](#).

6.5 Well Network – Groundwater Monitoring Program

The NAPL monitoring well network identified in the ISMP comprises 12 monitoring wells, namely PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-3D, PRMW-4S, PRMW-5S, PRMW-5D, PRMW-6S, PRMW-6D, TMW-1D, and TMW-2D.

The blockage identified in TMW-2D during the 2021 Q2 GME and subsequently investigated during the 2021 Q3 GME remained at the time of the 2021 Q4 GME. The blockage is understood to be stones wedged in the well casing approximately eight feet bgs.

The Site monitoring network is provided in [Figure 2](#) attached. [Table 1](#) attached presents well gauging results and inspection notes.

7. Conclusions and Recommendations

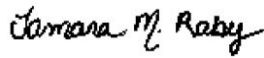
Based on the results of the 2021 Q4 GME, the following conclusions are provided:

- MGP-related constituents were observed at PRMW-5S and PRMW-3S. It is noted that MGP-related constituents have previously been observed at PRMW-5S only.
- A total cyanide (0.27 mg/L) concentration exceeding the AWQS/GV of 0.20 mg/L was reported at monitoring well PRMW-3S. This is the first reported total cyanide concentration exceeding AWQS/GV at the Site.
- It is recommended that monitoring well TMW-2D be re-installed as soon as practicable and monitored in accordance with the ISMP.

- In accordance with the ISMP, additional data should be collected to understand seasonal fluctuations and inform an appraisal of constituent concentrations at the Site. Groundwater sampling at the 12 specified well locations should continue to be monitored on the schedule outlined in the ISMP.

Should you have any questions regarding this correspondence, please contact Tamara Raby at tamara.raby@aecom.com

Sincerely,



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enclosures: Tables
Figures
Appendices

cc: John Ruspantini, NYSEG
Project File 60648952

References

AECOM, 2020a. *Penn Yan Former Manufactured Gas Plant Site, Yates County, Penn Yan, New York, Interim Site Management Plan, NYSDEC Site Number: 862009*

AECOM, 2020b. *Subject: New York State Electric and Gas Corporation – Penn Yan Water Street Former MGP Site – Monitoring Well Installation and Groundwater Monitoring Event Work Plan*

AECOM, 2021a. *Groundwater Well Installation and Monitoring Report, Water Street Former Manufactured Gas Plant Site, Penn Yan, New York, NYSDEC Site: 862009.*

AECOM, 2021b. *Groundwater Monitoring Event Report - 2021 Q2, Water Street Former Manufactured Gas Plant Site, Penn Yan, New York, NYSDEC Site: 862009.*

AECOM, 2021c. *Groundwater Monitoring Event Report - 2021 Q3, Water Street Former Manufactured Gas Plant Site, Penn Yan, New York, NYSDEC Site: 862009.*

AECOM, 2022. *2022 Soil Characterization Summary Report, Water Street Former Manufactured Gas Plant Site, Penn Yan, New York, NYSDEC Site: 862009.*

Tables

Table 1: Groundwater Gauging Details
2021 Q4 GME - November 2021
Water Street Former MGP Site
Penn Yan, New York

Well ID	Date Gauged	Measured Total Depth ¹ (ft bTOC)	Screen Interval (ft bgs)	Measuring Point Elevation ² (ft AMSL)	Depth to Water (ft bTOC)	Groundwater Elevation (ft AMSL)	NAPL Observed (Y/N)	NAPL Thickness (ft)	Well Inspection and Sampling Notes
PRMW-1S	2/22/2021	29.90	20 - 30	731.11	15.40	715.71	N	NA	No odor or sheen noted. Flush mount in good condition, all bolts included.
	5/24/2021	29.75	20 - 30	731.11	11.23	719.88	N	NA	No odor or sheen detected, water level rapidly dropped, little recharge seen. Flush mount in good conition, all bolts included.
	8/23/2021	29.68	20 - 30	731.11	6.52	724.59	N	NA	High pressure observed when removing well cap. No odor or sheen noted. Flush mount in good condition, all bolts included.
	11/29/2021	29.63	20 - 30	731.11	10.10	721.01	N	NA	No odor or sheen noted. Flush mount in good condition, all bolts included. Poor recharge rate.
PRMW-2S	2/22/2021	23.09	10 - 20	734.55	16.10	718.45	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	23.07	10 - 20	734.55	15.63	718.92	N	NA	No odor or sheen detected. Stick-up in good condition. Water level dropped rapidly, not much water in well.
	8/23/2021	23.02	10 - 20	734.55	14.19	720.36	N	NA	No odor or sheen noted. Stick-up in good condition.
	11/29/2021	23.00	10 - 20	734.55	12.13	722.42	N	NA	No odor or sheen detected. Stick-up in good condition.
PRMW-2D	2/22/2021	38.55	25 - 35	734.64	16.47	718.17	N	NA	Lots of silt initially and becoming clear. No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	37.92	25 - 35	734.64	15.84	718.80	N	NA	No odor or sheen detected, Stick-up and lock in good condition.
	8/23/2021	37.73	25 - 35	734.64	14.59	720.05	N	NA	No odor or sheen noted. Stick-up and lock in good condition. Poor recharge.
	11/29/2021	37.76	25 - 35	734.64	15.14	719.50	N	NA	No odor or sheen detected, Stick-up and lock in good condition. Tubing dropped down well at end of sampling. Will need new tubing.
PRMW-3S	2/22/2021	22.90	10 - 20	723.73	7.72	716.01	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	22.98	10 - 20	723.73	7.42	716.31	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	8/23/2021	22.68	10 - 20	723.73	6.31	717.42	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	11/29/2021	22.79	10 - 20	723.73	6.90	716.83	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-3D	2/22/2021	36.25	25 - 35	723.81	6.80	717.01	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	36.01	25 - 35	723.81	5.64	718.17	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	8/23/2021	35.84	25 - 35	723.81	4.89	718.92	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	11/29/2021	35.88	25 - 35	723.81	4.94	718.87	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-4S	2/22/2021	27.30	14 - 24	721.92	7.52	714.40	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	27.20	14 - 24	721.92	7.26	714.66	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	8/23/2021	27.04	14 - 24	721.92	6.00	715.92	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	11/29/2021	27.06	14 - 24	721.92	6.89	715.03	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-5S	2/22/2021	22.70	10 - 20	720.72	7.10	713.62	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	22.67	10 - 20	720.72	6.66	714.06	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	8/23/2021	22.54	10 - 20	720.72	6.17	714.55	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	11/29/2021	22.60	10 - 20	720.72	6.88	713.84	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-5D	2/22/2021	33.27	20 - 30	720.74	4.32	716.42	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	32.45	20 - 30	720.74	3.24	717.50	N	NA	No odor or sheen noted. Stick-up and lock in good condition. Very silty, will need redevelopment at end of next event.
	8/23/2021	32.23	20 - 30	720.74	2.62	718.12	N	NA	No odor or sheen noted. Stick-up and lock in good condition. Very silty.
	11/29/2021	32.00	20 - 30	720.74	2.63	718.11	N	NA	No odor or sheen noted. Stick-up and lock in good condition. Very silty, will need redevelopment at end of next event.
PRMW-6S	2/22/2021	23.20	10 - 20	721.10	6.52	714.58	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	23.10	10 - 20	721.10	6.28	714.82	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	8/23/2021	23.02	10 - 20	721.10	6.05	715.05	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	11/29/2021	23.08	10 - 20	721.10	6.04	715.06	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-6D	2/22/2021	37.05	24 - 34	721.22	4.85	716.37	N	NA	Lots of silt initially and water cloudy during purging. No odor or sheen noted. Stick-up and lock in good condition.
	5/24/2021	37.05	24 - 34	721.22	3.75	717.47	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
	8/23/2021	36.87	24 - 34	721.22	2.99	718.23	N	NA	No sheen noted. Slight sulfur-like odor noted when decanting purge water into waste tote. Stick-up and lock in good condition.
	11/29/2021	36.90	24 - 34	721.22	3.06	718.16	N	NA	No odor or sheen noted. Fine condiction.
TMW-1D	5/24/2021	63.38	54 - 64	723.45	5.17	718.28	N	NA	No odor or sheen noted. Flush mount in good condition, all bolts included.
	8/23/2021	63.14	54 - 64	723.45	3.07	720.38	N	NA	No odor or sheen noted. Flush mount in good condition, all bolts included.
	11/29/2021	63.25	54 - 64	723.45	4.40	719.05	N	NA	No odor or sheen noted. Flush mount in good condition, all bolts included.
TMW-2D	2/22/2021	7.34	50 - 60	719.24	2.03	717.21	N	NA	No odor or sheen noted. Ran dry during sampling, allowed to recharge and was sampled. Flush mount in good condition, all bolts included. Well depth to be further investigated.
	5/24/2021	N/A	50 - 60	719.24	0.79	718.45	N	NA	Unable to remove blockage from TMW-2D. Attempted to insert a 1/16" flag rod past the well blockage with no success. Obstruction was chewing up the bottom of the rod and not moving on impact. Did not sample.
	8/23/2021	N/A	50 - 60	719.24	0.40	718.84	N	NA	Recorded video of blockage during down well inspection. Appears to be individual stones forming layer at approximately 8ft bgs. Recommend this well be re-installed as soon as practicable. Sheen observed on top of water level at time of water level measurement.
	11/29/2021	N/A	50 - 60	719.24	0.09	719.15	N	NA	Blockage at 7.30 feet below TOC. No odor or sheen observed.

Notes:
1. Measured at the time of gauging
2. Measuring point (ft bTOC) - feet below top of casing (PVC inner casing)
3. ft bgs - feet below ground surface
4. NA - Not applicable
5. -- No data

Table 2: BTEX, PAHs and Total Cyanide
2021 Q4 GME - November 2021
Water Street Former MGP Site
Penn Yan, New York

			BTEX µg/L				PAHs µg/L									PAHs µg/L						Cyanide (mg/L)	
Sample ID	Laboratory Report Number	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Anthracene	Pyrene	Benzo(g,h,i) perylene	Indeno(1,2,3-cd)pyrene	Benzo(b) fluoranthene	Fluoranthene	Benzo(k) fluoranthene	Acenaphthylene	Chrysene	Benzo(a)pyrene	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Acenaphthene	Phenanthrene	Fluorene	Naphthalene	Cyanide, Total
AQSG/GV ²			1	5	5	5	50	50	NS	0.002	0.002	50	0.002	NS	0.002	Any Detection	NS	0.002	20	50	50	10	0.2
PRMW-1S	480-181441	2/22/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-185257-1	5/26/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.01 U
	480-188750-1	8/23/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-192935-1	11/29/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
PRMW-2S	480-181441	2/23/2021	1 F2 U	1 U	1 U	1 U	2 U	U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.088
	480-185257-1	5/24/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.015 J-
	480-188750-1	8/24/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.064
	480-192935-1	11/30/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.09
PRMW-2D	480-181441	2/23/2021	1 U	U	1 U	1 U	2 U	U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	0.01 U
	480-185257-1	5/25/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.01 U
	480-188750-1	8/25/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-192935-1	11/30/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
PRMW-3S	480-181441	2/23/2021	1 U	U	1 U	1 U	2 U	U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.01 U
DUP-1 (PRMW-3S)	480-181441	2/23/2021	1 U	U	1 U	1 U	2 U	U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.01 U
PRMW-3S	480-185257-1	5/24/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.011
	480-188750-1	8/24/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-192935-1	11/30/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.27
PRMW-3D	480-181441	2/23/2021	1 U	U	1 U	1 U	2 U	U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	0.013
	480-185257-1	5/26/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.01 U
	480-185257-1	8/24/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-192935-1	11/30/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
PRMW-4S	480-181441	2/22/2021	1 U	U	1 U	1 U	2 U	U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.0054 J
	480-185257-1*	5/25/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.01 U
DUP ("PRMW-54S")	480-185257-1	5/25/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.01 U
DUP ("DUP")	480-188750-1	8/23/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.0081 J
PRMW-4S	480-188750-1	8/23/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.0072 J
	480-192935-1	11/29/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
DUP ("DUP - 112921")	480-192935-1	11/29/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
PRMW-5S	480-181441	2/22/2021	42	2.7	1.1	6.5	4.7 J	3.8 J	5.4 U	5.4 U	5.4 U	6.0	5.4 U	5.6	5.4 U	5.4 U	5.4 U	5.4 U	31	6.0	11	34	0.15
	480-185257-1	5/25/2021	23	2.4	J	0.75 J	4.9 J	1.5 J	2 J	5.2 U	5.2 U	3.0 J	5.2 U	4.4 J	5.2 U	5.2 U	5.2 U	22	8.2	7	44	0.016	
	480-188750-1	8/25/2021	21	3.0		0.90 J	3.3	1.6 J	3.4 J	5 U	5 U	5.5	5 U	7.6	5 U	5 U	5 U	0.39 J	39	21	12	45	0.11
	480-192935-1	11/30/2021	27	5.9		1.6	6.6	0.52 J	1.3 J	5 U	5 U	5 U	2.1 J	5 U	3.4 J	5 U	5 U	15	5.7	5.5	44	0.01 U	
PRMW-5D	480-181441	2/22/2021	1 U	U	1 U	1 U	2 U	U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.01 U
	480-185257-1	5/24/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.01 U
	480-188750-1	8/24/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-192935-1	11/30/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
PRMW-6S	480-181441	2/22/2021	1 U	U	1 U	1 U	2 U	U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.01 U
	480-185257-1	5/25/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.01 U
	480-188750-1	8/24/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-192935-1	11/30/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.051
PRMW-6D	480-181441	2/22/2021	1 U	U	1 U	1 U	2 U	U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.01 U
	480-185257-1	5/25/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.01 U
	480-188750-1	8/24/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-192935-1	11/30/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
TMW-1D	480-185257-1	5/26/2021	1 U	U	1 UJ	1 UJ	2 UJ	UJ	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	0.01 UJ
	480-188750-1	8/25/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
	480-192935-1	11/30/2021	1 U	U	1 U	1 U	2 U	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.01 U
TMW-2D	480-181441	2/24/2021	1 U	U	1 U	1 U	2 U	U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	0.01 U
EQUIP BLANK	480-181441	2/23/2021**	--	--	--	--	--	--	--														

Notes:

1. Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards

Table 3: Groundwater Field Parameters
2021 Q4 GME - November 2021
Water Street Former MGP Site
Penn Yan, New York

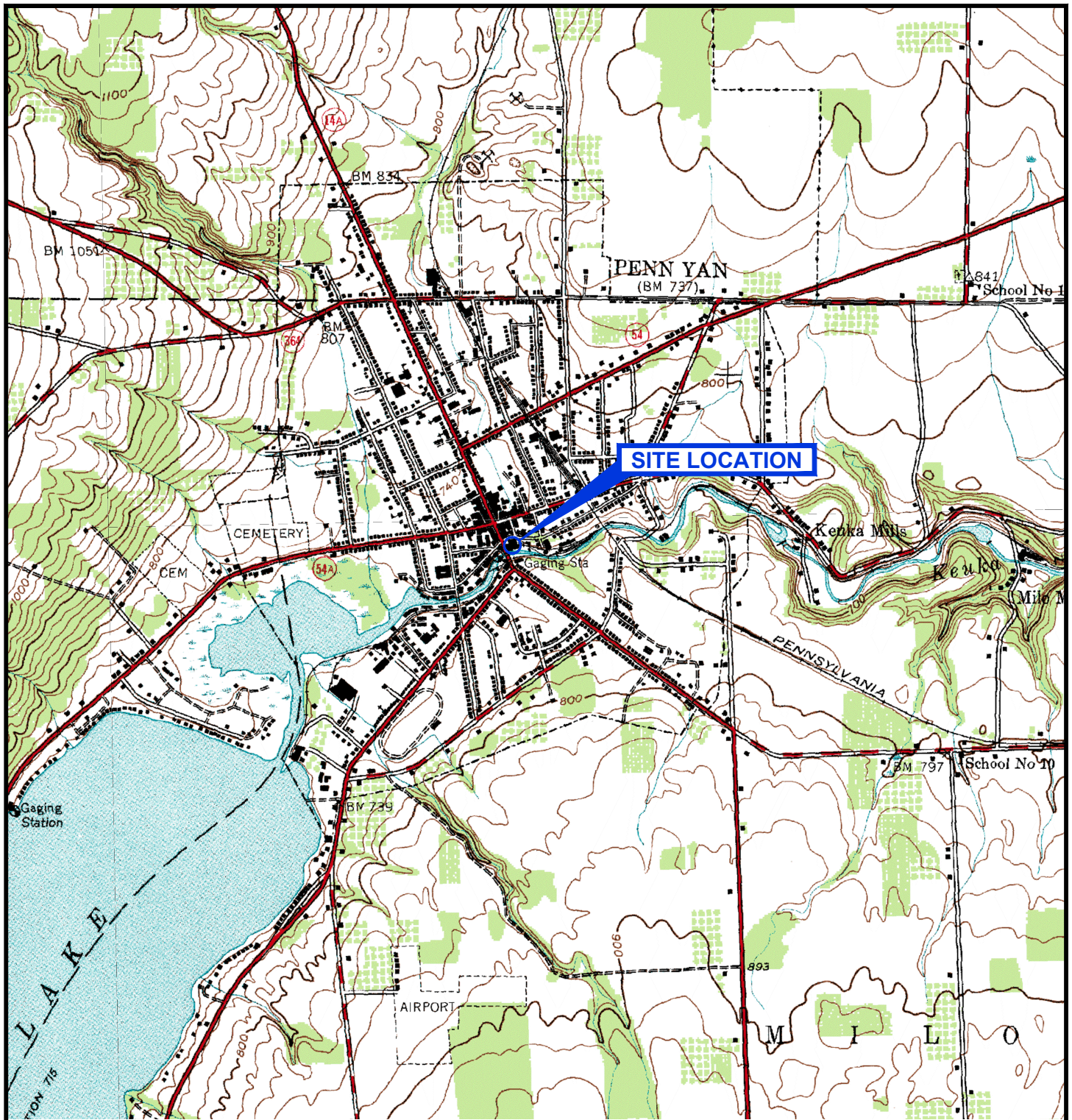
Location	Sample Date	Field Parameters				
		pH (pH units)	Turbidity (NTU)	ORP (MeV)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)
PRMW-1S	2/22/2021	7.14	42.69	78.3	1.656	1.22
	5/26/2021	6.94	12.1	172.4	2.76	0.82
	8/23/2021	6.92	--	-61.8	2.574	1.08
	11/29/2021	7.01	12.3	109.8	2.502	0.16
PRMW-2S	2/23/2021	7.28	87.6	167	1.87	1.35
	5/25/2021	7.34	8.17	75.0	1.35	0.88
	8/24/2021	7.33	0.68	145.8	1.42	3.96
	11/30/2021	7.39	5.04	136.4	1.328	0.45
PRMW-2D	2/23/2021	7.5	33.25	172.4	0.56	2.63
	5/25/2021	10.93	12.8	92.9	0.433	1.82
	8/25/2021	10.63	12.8	132.7	0.305	3.58
	11/30/2021	8.5	54.7	42.6	0.407	3.11
PRMW-3S	2/23/2021	7.48	100.1	108.8	0.778	1.39
	5/24/2021	7.4	4.8	37.2	0.57	0.21
	8/24/2021	7.22	2.26	69.0	0.62	0.31
	11/30/2021	7.33	14.20	78.1	0.584	0.91
PRMW-3D	2/23/2021	7.81	50.8	58.1	0.473	0.76
	5/24/2021	7.52	28.2	-71.1	0.399	0.51
	8/24/2021	7.44	6.68	-61.9	0.389	0.37
	11/30/2021	7.68	14.7	-92.8	0.346	0.3
PRMW-4S	2/22/2021	7.22	47.35	68.7	0.808	0.26
	5/25/2021	7.04	2.98	-10.8	0.94	0.33
	8/23/2021	7.03	5.86	-30.2	1.2	0.45
	11/29/2021	7.2	7.44	8	0.76	0.48
PRMW-5S	2/22/2021	7.35	29.7	-94.5	0.517	0.24
	5/25/2021	7.35	5.51	-107.8	0.58	0.23
	8/25/2021	7.66	1.28	-59.9	0.60	0.03
	11/30/2021	7.33	4.6	-63.6	0.466	0.6
PRMW-5D	2/22/2021	7.61	278.66	-141.4	0.321	0.28
	5/25/2021	7.63	284	-147	0.39	0.17
	8/24/2021	7.37	354	-119.3	0.357	0.54
	11/30/2021	7.66	700	-104.2	0.311	0.3
PRMW-6S	2/22/2021	8.53	56.72	60.1	0.338	1.86
	5/25/2021	7.48	41.9	127.2	0.43	0.38
	8/24/2021	7.64	27.9	-26.3	0.417	0.54
	11/30/2021	7.67	16.3	22.7	0.312	0.69
PRMW-6D	2/22/2021	7.88	301.28	-131.7	0.285	0.25
	5/25/2021	7.53	8.56	-151.9	0.339	0.3
	8/24/2021	7.52	13.1	-144.9	0.364	0.24
	11/30/2021	7.84	19.6	-118.3	0.294	0.46
TMW-1D	5/26/2021	7.36	18.00	-116	0.369	0.58
	8/25/2021	7.31	5.01	-129.2	0.393	0.47
	11/30/2021	7.58	3.76	-111.2	0.355	0.29
TMW-2D	2/24/2021	8.00	154.4	162.2	0.27	6.83

Notes:

1. ORP - Oxidation Reduction Potential; NTU - nephelometric turbidity units; MeV - megaelectron volt; mS/cm - milliSiemens per centimeter; mg/L - milligrams per liter.
2. -- Not Analyzed

Figures

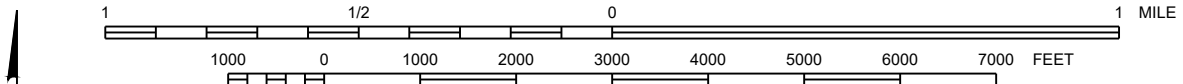
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UNITED STATES GEOLOGIC SURVEY
PENN YAN QUADRANGLE
NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHY)

PENN YAN, NY.
1983
PHOTOREVISED 1995

SCALE 1:24000



AECOM

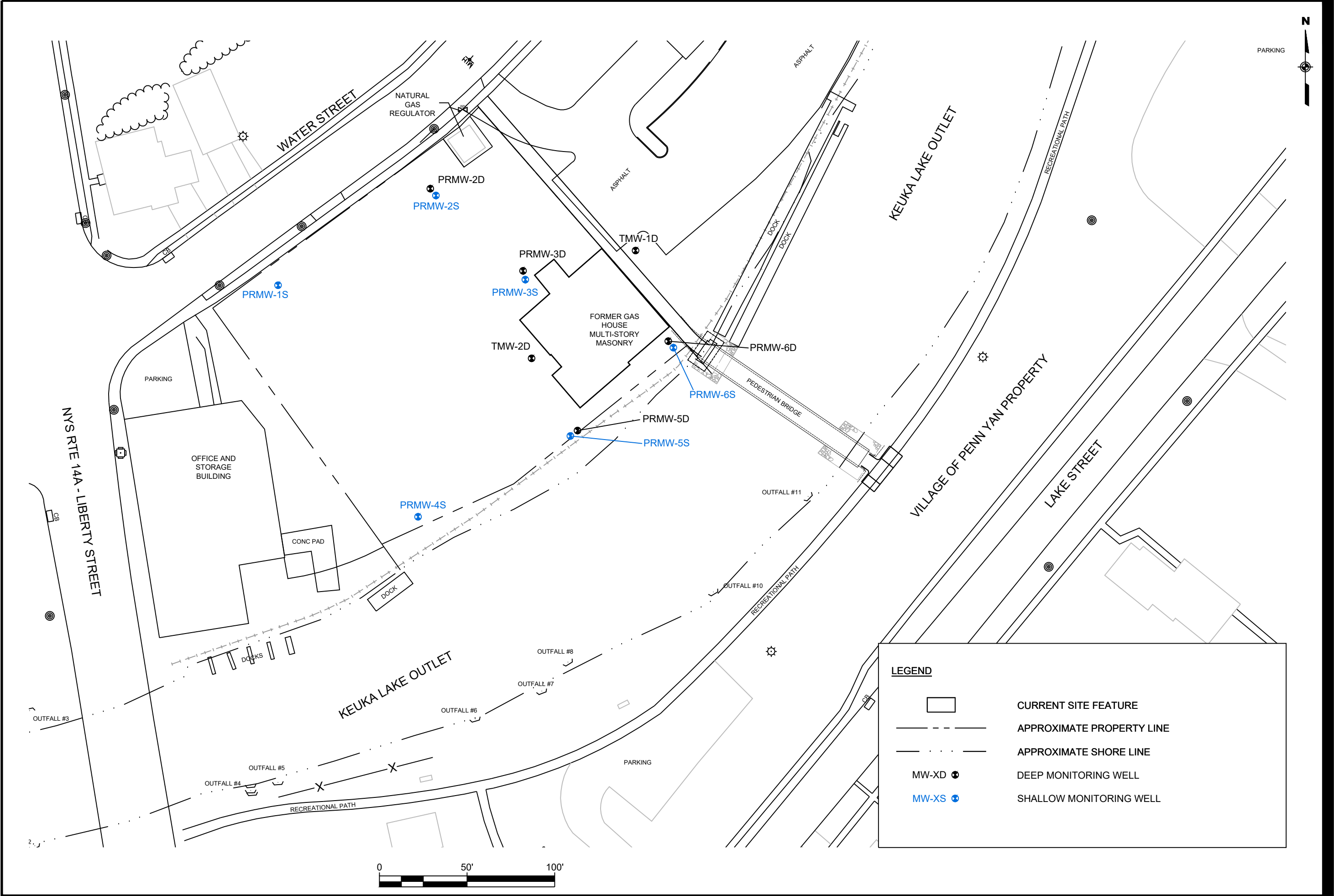
PENN YAN WATER STREET
FORMER MGP SITE
GROUNDWATER MONITORING
EVENT REPORT - 2021 Q4

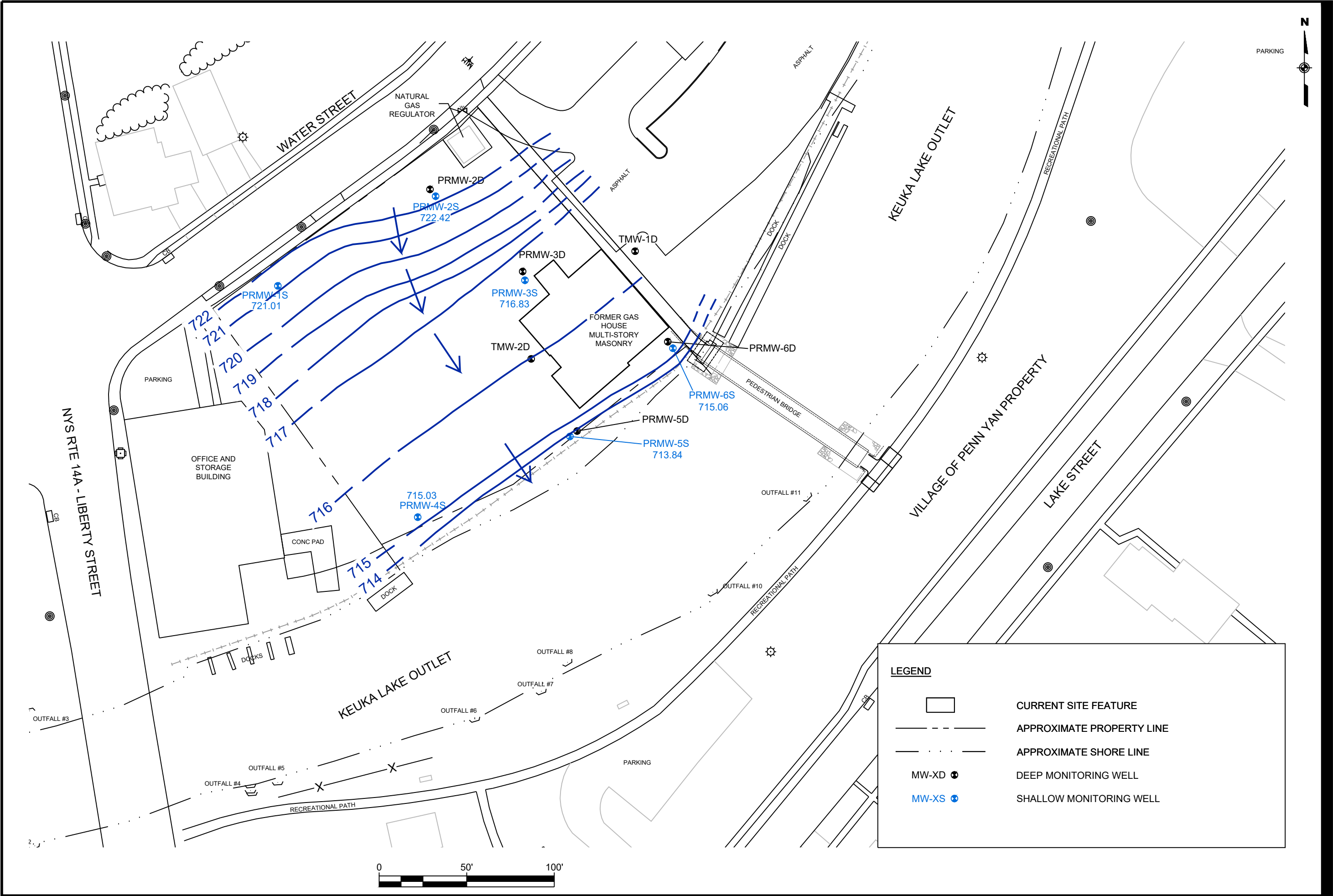
SITE LOCATION PLAN

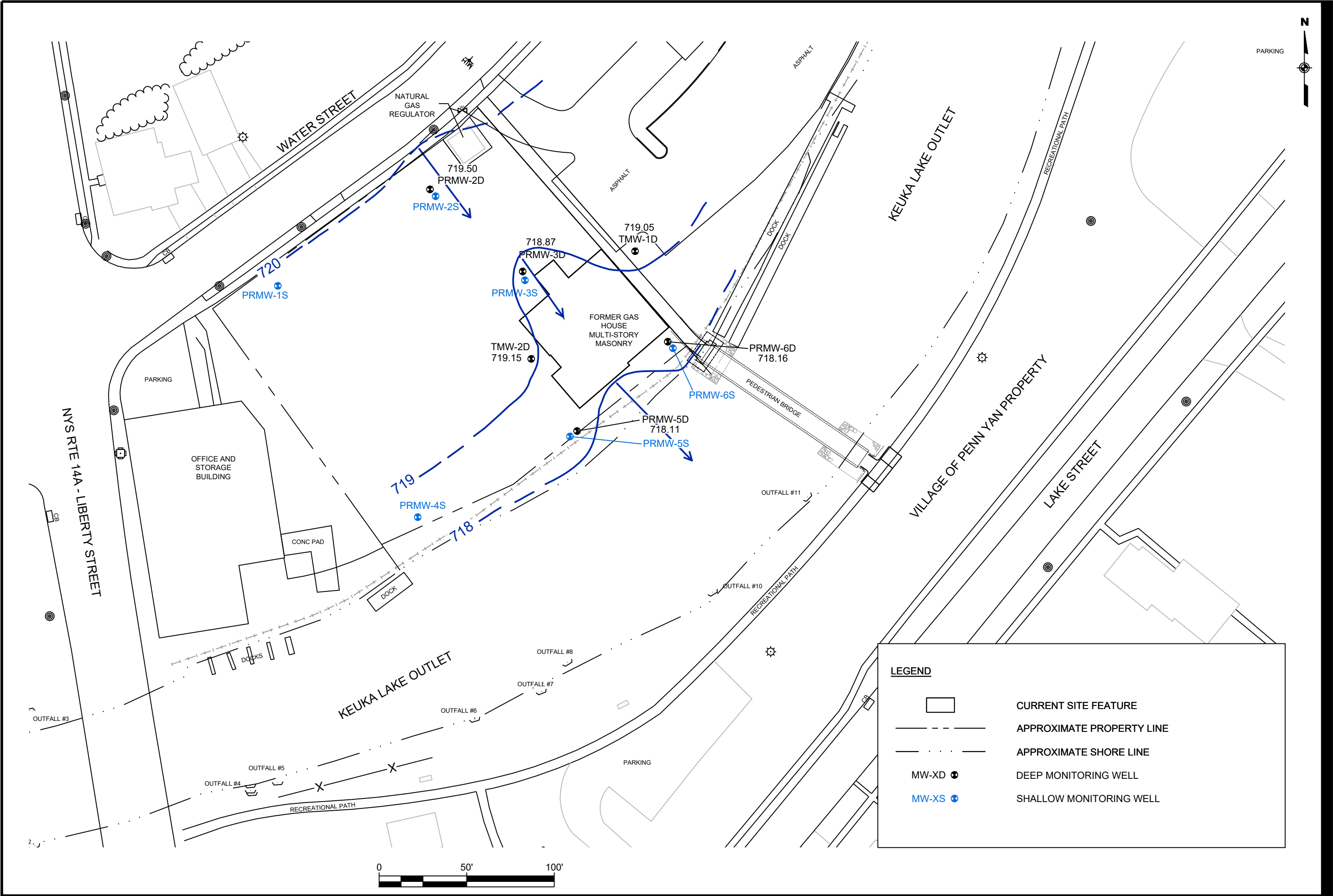
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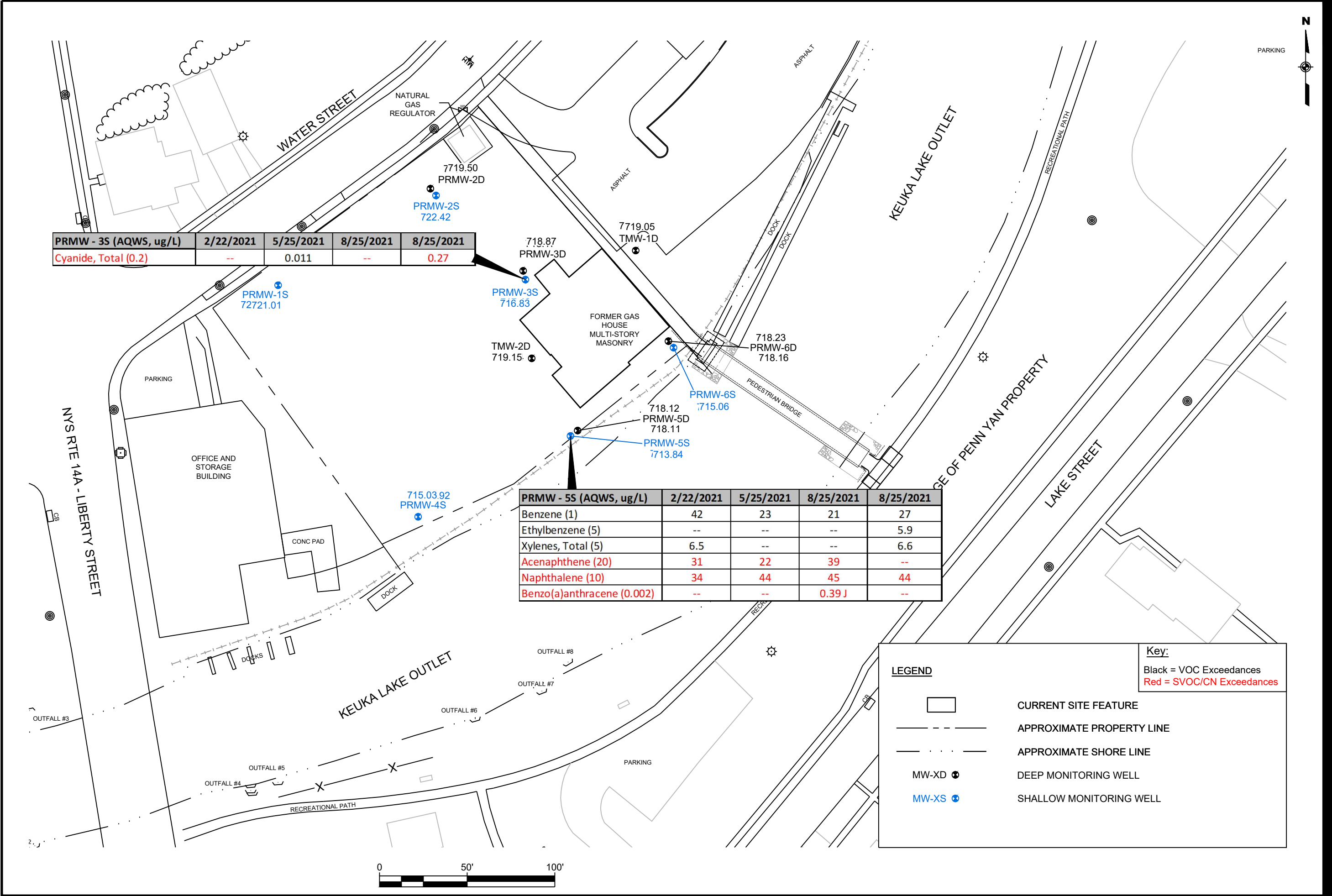
DRWN:

FIGURE 1









Appendix A Groundwater Sampling Purge Forms

Monitoring Well Purging / Sampling Form

Project Name and Number:

NYSEG - Penn Yan - 60648952

Monitoring Well Number:

PRM-15

Date: 11/29/21

Samplers:

PM

Sample Number:

PRM-15 - 112921

QA/QC Collected?

[Signature]

Purging / Sampling Method:

low flow w/ dedicated tubing

1. L = Well Depth:

29.65 ~~feet~~ feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

10.10 feet

4. C = Column of Water in Well:

14.53 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

= 3.18 gal

6. 3(V) = Target Purge Volume

= 9.55 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter

Units

Readings

Time	24 hr	1355	1415	1426	1425	1430	1435	1440
Water Level (0.33)	feet	10.10	11.82	11.98	12.62	13.78	13.92	14.82
Volume Purged	gal	0	0.10	0.20	0.30	0.40	0.60	1.60
Flow Rate	mL/min	150	150	150	150	150	150	150
Turbidity (+/- 10%)	NTU	~~10.5~~	13.6	14.8	15.2	12.6	10.8	12.3
Dissolved Oxygen (+/- 10%)	%	10.5	6.5	4.8	2.3	1.9	1.7	1.5
Dissolved Oxygen (+/- 10%)	mg/L	1.18	0.81	0.51	0.24	0.20	0.18	0.16
Eh / ORP (+/- 10)	MeV	7.2	99.8	102.4	98.9	103.0	106.5	109.8
Specific Conductivity (+/- 3%)	mS/cm°	3.852	4.690	3.776	3.800	3.676	3.555	3.275
Conductivity (+/- 3%)	mS/cm	2.916	2.506	2.789	2.877	2.788	2.708	2.502
pH (+/- 0.1)	pH unit	6.83	6.91	6.87	7.03	7.02	7.01	7.41
Temp (+/- 0.5)	C°	12.2	4.2	11.6	12.2	12.4	12.5	12.5
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Clear	Clear	Clear	Clear	Clear	Clear	Clear

Comments:

- Paused @ 1355 due to turbidimeter problems.
- Back on @ 1415, turbidimeter fixed.

Monitoring Well Purging / Sampling Form

Project Name and Number:

NYSSEG - Penn Yan - 60648952

Monitoring Well Number:

PRMCW-15

Date:

11/28/11

Samplers:

PR

Sample Number:

PRMCW-15 -112921

QA/QC Collected?

~~PR~~

Purging / Sampling Method:

low flow w/ dedicated tube

1. L = Well Depth:

29.63

feet

2. D = Riser Diameter (I.D.):

0.17

feet

3. W = Depth to Water:

10.10

feet

4. C = Column of Water in Well:

19.53

feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

2 3.18

gal

6. 3(V) = Target Purge Volume

2 9.55

gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter

Units

Readings

Time	24 hr	1945	1450	1455	1500	1505	1510	1515	19.12
Water Level (0.33)	feet	16.30	16.35	17.25	18.02	18.41	18.68	19.12	
Volume Purged	gal	1.25	1.50	1.75	2.00	2.25	2.50	2.75	
Flow Rate	mL/min	150	150	150	150	150	150	150	
Turbidity (+/- 10%)	NTU	11.2	11.2	10.4	10.8	10.2	9.82	11.4	
Dissolved Oxygen (+/- 10%)	%	1.4	1.4	1.4	1.3	1.4	1.5	1.6	
Dissolved Oxygen (+/- 10%)	mg/L	0.14	0.15	0.15	0.14	0.14	0.16	0.17	
Eh / ORP (+/- 10)	MeV	111.0	109.2	110.6	110.1	110.2	113.5	100.2	
Specific Conductivity (+/- 3%)	mS/cm ^c	3.031	2.975	2.982	2.726	2.716	2.699	2.654	
Conductivity (+/- 3%)	mS/cm	2.244	2.251	2.202	2.057	2.049	2.030	2.021	
pH (+/- 0.1)	pH unit	7.06	7.08	7.09	7.08	7.08	7.08	7.09	
Temp (+/- 0.5)	C ^o	12.4	12.3	12.3	12.1	12.1	12.0	11.9	
Color	Visual	clear	clear	clear	clear	clear	clear	clear	
Odor	Olfactory	clear	clear	clear	clear	clear	clear	clear	

Comments:

Monitoring Well Purging / Sampling Form

Project Name and Number:

Penn. York - NYSEG - E0648952

Monitoring Well Number:

PRMWS

Date:

11/29/21

Samplers:

PM

Sample Number:

PRMWS-15 - 112921

QA/QC Collected?

[Signature]

Purging / Sampling Method:

low flow w/ dedicated sub.

1. L = Well Depth:

29.63 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

10.10 feet

4. C = Column of Water in Well:

14.53 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

≈ 7.18 gal

6. 3(V) = Target Purge Volume

29.55 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter	Units	1520	1525	1530	1535	Readings
Time	24 hr	~~1520~~	1525	1530	1535	
Water Level (0.33)	feet	19.58	20.02	20.15	20.26	
Volume Purged	gal	3.25	3.50	3.75	4.00	
Flow Rate	mL/min	150	150	150	150	
Turbidity (+/- 10%)	NTU	8.02	7.53	7.62	8.48	
Dissolved Oxygen (+/- 10%)	%	1.5	1.6	1.6	1.6	
Dissolved Oxygen (+/- 10%)	mg/L	0.16	0.17	0.17	0.17	
Eh / ORP (+/- 10)	MeV	~~92.2~~	92.2	92.6	99.7	
Specific Conductivity (+/- 3%)	mS/cm ^c	2.681	2.648	2.618	2.619	
Conductivity (+/- 3%)	mS/cm	2004	19.89	19.82	19.70	
pH (+/- 0.1)	pH unit	7.09	7.10	7.11	7.12	
Temp (+/- 0.5)	C°	11.8	11.9	12.0	12.1	
Color	Visual	Clear	Clear	Clear	Clear	
Odor	Olfactory					

Comments:

Sampled @ 1535

Monitoring Well Purging / Sampling Form

Project Name and Number:

NYSEG - Penn Yan - 60648452

Monitoring Well Number:

PRMW-20

Date:

11/30/21

Samplers:

PM

Sample Number:

PRMW-20 - 113021

QA/QC Collected?

- MSD/MS

Purging / Sampling Method:

low flow w/ dedicated tubing

1. L = Well Depth:

37.36 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

15.2 feet

4. C = Column of Water in Well:

22.16 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

≈ 3.61 gal

6. 3(V) = Target Purge Volume

≈ 10.83 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter

Units

Readings

Parameter	Units	0800	0805	0810	0815	0820	0825	0830
Time	24 hr	0800	0805	0810	0815	0820	0825	0830
Water Level (0.33)	feet	15.21	17.4	18.32	19.36	19.82	20.64	21.9
Volume Purged	gal	0	0.10	0.20	0.30	0.40	0.50	0.60
Flow Rate	mL/min	150	150	150	150	150	150	150
Turbidity (+/- 10%)	NTU	49.5	36.4	23.0	18.3	33.6	42.7	51.3
Dissolved Oxygen (+/- 10%)	%	56.4	38.1	29.9	27.2	25.3	26.5	29.8
Dissolved Oxygen (+/- 10%)	mg/L	6.17	4.03	3.46	3.18	2.97	3.11	3.49
Eh / ORP (+/- 10)	MeV	41.7	46.4	34.7	34.6	29.6	33.0	38.1
Specific Conductivity (+/- 3%)	mS/cm ^c	0.566	0.548	0.517	0.500	0.476	0.437	0.422
Conductivity (+/- 3%)	mS/cm	0.387	0.376	0.357	0.344	0.327	0.299	0.287
pH (+/- 0.1)	pH unit	8.31	8.39	8.49	8.55	8.82	9.19	9.25
Temp (+/- 0.5)	C°	8.5	8.2	8.8	8.6	8.5	8.5	8.3
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	—	—	—	—	—	—	—

Comments:

pump on @ 0800

Monitoring Well Purging / Sampling Form

Project Name and Number:

Penn Yan - NYSEG - 60648952

Monitoring Well Number:

PRMW-20

Date:

11/30/21

Samplers:

PM

Sample Number:

PRMW-20-113021

QA/QC Collected?

- MS/MSD

Purging / Sampling Method:

low flow w/

1. L = Well Depth:

37.36 feet

2. D = Riser Diameter (I.D.):

6.17 feet

3. W = Depth to Water:

15.2 feet

4. C = Column of Water in Well:

22.16 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

≈ 3.61 gal

6. 3(V) = Target Purge Volume

→ 10.83 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter

Units

Readings

Time	24 hr	0835	0840	0845	0850	0855	0900
Water Level (0.33)	feet	21.63	21.85	22.20	22.56	22.82	23.03
Volume Purged	gal	1.00	1.20	1.50	2.00	2.50	2.75
Flow Rate	mL/min	150	150	156	150	150	150
Turbidity (+/- 10%)	NTU	94.2	32.4	71.4	58.2	53.6	54.7
Dissolved Oxygen (+/- 10%)	%	42.3	46.5	44.3	28.1	24.8	27.2
Dissolved Oxygen (+/- 10%)	mg/L	5.00	5.52	5.85	3.21	3.31	3.11
Eh / ORP (+/- 10)	MeV	45.3	46.3	46.8	42.4	42.6	42.6
Specific Conductivity (+/- 3%)	mS/cm ^c	0.400	0.399	0.417	0.563	0.582	0.582
Conductivity (+/- 3%)	mS/cm	0.278	0.270	0.291	0.396	0.599	0.467
pH (+/- 0.1)	pH unit	9.50	9.65	9.63	8.66	8.58	8.50
Temp (+/- 0.5)	C°	8.1	8.20	9.1	9.5	9.5	9.4
Color	Visual	clear	clear	clear	clear	clear	clear
Odor	Olfactory	✓	✓	✓	✓	✓	✓

Comments:

★ Tubey dropped down well @ end of sample.
 ↳ Needs to be replaced.

Sampled @ 0900

Monitoring Well Purging / Sampling Form

Project Name and Number:

Penn Yan - NYSEG - 60648552

Monitoring Well Number:

PRMW-25

Date:

11/30/21

Samplers:

PM

Sample Number:

PRMW-25 113021

QA/QC Collected?

☒

Purging / Sampling Method:

low flow w/ deaerated by

1. L = Well Depth:

23.00 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

15.52 feet

4. C = Column of Water in Well:

7.48 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

= 1.22 gal

6. 3(V) = Target Purge Volume

= 3.65 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter

Units

Readings

Time	24 hr	0935	0940	0945	0950	0955	1000	1005	1010
Water Level (0.33)	feet	15.52	15.56	15.59	15.60	15.61	15.62	15.62	15.62
Volume Purged	gal	0	0.10	0.20	0.30	0.50	0.60	0.80	1.00
Flow Rate	mL/min	100	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	17.3	15.6	11.2	10.1	8.05	7.22	5.20	5.04
Dissolved Oxygen (+/- 10%)	%	83.2	80.8	12.7	10.6	6.7	4.7	4.3	4.6
Dissolved Oxygen (+/- 10%)	mg/L	5.63	4.07	1.24	1.16	0.70	0.45	0.43	0.45
Eh / ORP (+/- 10)	MeV	115.0	115.9	121.1	125.6	132.1	135.9	136.3	136.4
Specific Conductivity (+/- 3%)	mS/cm°	1.471	1.452	1.514	1.521	1.635	1.669	1.706	1.717
Conductivity (+/- 3%)	mS/cm	1.131	1.143	1.164	1.186	1.248	1.245	1.302	1.328
pH (+/- 0.1)	pH unit	7.54	7.54	7.55	7.55	7.45	7.39	7.36	7.39
Temp (+/- 0.5)	C°	12.5	12.7	12.9	13.1	12.8	13.2	13.2	13.2
Color	Visual	clear	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	/	/	/	/	/	/	/	/

Comments:

pump on @ 0920, tubing issues, tubing should be replaced ASAP.

Sample @ 1010

Monitoring Well Purging / Sampling Form

Project Name and Number:

MYSEG - Penn Yan - 60648952

Monitoring Well Number:

PRMW-3D

Date:

11/30/21

Samplers:

Pen

Sample Number:

PRMW-3D-113621

QA/QC Collected?

☒

Purging / Sampling Method:

low flow w/ dedicated tubing

1. L = Well Depth:

35.88 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

5.00 feet

4. C = Column of Water in Well:

30.88 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

5.00 gal

6. 3(V) = Target Purge Volume

15.00 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter

Units

Readings

Time	24 hr	1105	1110	1115	1120	1125	1130	1135
Water Level (0.33)	feet	5.00	5.98	6.62	6.75	6.78	6.80	6.82
Volume Purged	gal	0	0.70	0.35	0.45	0.60	0.80	1.00
Flow Rate	mL/min	150	200	200	200	200	200	200
Turbidity (+/- 10%)	NTU	16.0	14.3	16.2	15.8	15.0	14.9	14.7
Dissolved Oxygen (+/- 10%)	%	28.4	6.1	4.7	2.8	2.7	2.5	2.7
Dissolved Oxygen (+/- 10%)	mg/L	3.21	6.72	0.53	0.33	0.30	0.24	0.30
Eh / ORP (+/- 10)	MeV	-3.6	-42.5	-72.9	-85.2	-89.6	-92.4	-93.5
Specific Conductivity (+/- 3%)	mS/cm ^c	0.486	0.483	0.483	0.483	0.483	0.485	0.483
Conductivity (+/- 3%)	mS/cm	0.347	0.347	0.347	0.347	0.346	0.346	0.346
pH (+/- 0.1)	pH unit	8.15	7.97	7.87	7.87	7.71	7.64	7.68
Temp (+/- 0.5)	C ^o	9.6	10.02	9.8	9.6	9.9	10.0	10.0
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	/	/	/	/	/	/	/

Comments:

Sampled @ 1135

Monitoring Well Purging / Sampling Form

Project Name and Number:

Penn Yan - NYSEG - G0648952

Monitoring Well Number:

PRMW-35

Date:

11/30/21

Samplers:

PM

Sample Number:

PRMW-35-113021

QA/QC Collected?

☒

Purging / Sampling Method:

low flow w/ deaerated air

1. L = Well Depth:

22.79 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

7.12 feet

4. C = Column of Water in Well:

15.67 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

2.13 gal

6. 3(V) = Target Purge Volume

26.40 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter	Units	Readings							
Time	24 hr	1145	1150	1155	1200	1205	1210	1215	
Water Level (0.33)	feet	7.12	7.54	8.11	8.23	8.53	8.85	8.55	
Volume Purged	gal	0	0.25	0.50	0.75	1.00	1.25	1.50	
Flow Rate	mL/min	200	200	200	200	200	200	200	
Turbidity (+/- 10%)	NTU	23.8	18.4	16.6	17.7	15.2	13.7	14.2	
Dissolved Oxygen (+/- 10%)	%	32.5	18.1	12.6	11.7	9.8	8.9	8.2	
Dissolved Oxygen (+/- 10%)	mg/L	3.50	2.01	1.46	1.24	1.10	0.99	0.91	
Eh / ORP (+/- 10)	MeV	91.8	94.4	99.6	93.7	90.5	85.4	78.1	
Specific Conductivity (+/- 3%)	mS/cm°	623.6	620.8	620.9	621.0	620.9	620.7	620.9	
Conductivity (+/- 3%)	mS/cm	0.520	0.584	0.540	0.591	0.580	0.584	0.584	
pH (+/- 0.1)	pH unit	7.42	7.39	7.35	7.35	7.34	7.34	7.33	
Temp (+/- 0.5)	C°	10.3	10.5	10.7	10.8	10.4	10.5	10.5	
Color	Visual	clear	clear	clear	clear	clear	clear	clear	
Odor	Olfactory								

Comments:

sampled @ 1215

Monitoring Well Purging / Sampling Form

Project Name and Number:

~~Scotia Navy Depot - 60440641~~

NYSEG Pan Yarn - 60648952

Monitoring Well Number:

PRMW-45

Date:

112921

June, 2021

Samplers:

MZ

Sample Number:

PRMW45 - 112921

QA/QC Collected?

Duplicate

Purging / Sampling Method:

Low flow bladder pump with dedicated ~~banded~~ tubing

1. L = Well Depth:

27.06 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

6.89 feet

4. C = Column of Water in Well:

20.71 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

3.52 gal

6. 3(V) = Target Purge Volume

10.6 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

YSI and NTU

Parameter

Units

Readings

Time	24 hr	1415	1420	1425	1430	1435	1440	1445
Water Level (0.33)	feet	8.67	8.15	8.24	8.25	8.25	8.28	8.13
Volume Purged	gal	.2	.4	.6	.8	1	1.2	1.4
Flow Rate	mL/min	750	1500	2250	3000	3750	4500	5250
Turbidity (+/- 10%)	NTU	43.7	39.3	27.8	17.6	12.6	8.44	7.50
Dissolved Oxygen (+/- 10%)	%	9.4	7.5	6.7	6.1	5.7	5.1	5.6
Dissolved Oxygen (+/- 10%)	mg/L	1.04	0.79	0.71	0.65	0.60	0.53	0.53
Eh / ORP (+/- 10)	MeV	-21.1	3.0	12.9	8.5	6.9	4.8	6.0
Specific Conductivity (+/- 3%)	mS/cm ^c	0.77	0.76	0.74	0.85	0.89	0.92	0.94
Conductivity (+/- 3%)	mS/cm	0.54	0.58	0.61	0.66	0.68	0.70	0.71
pH (+/- 0.1)	pH unit	7.62	7.44	7.38	7.32	7.24	7.26	7.24
Temp (+/- 0.5)	C°	12.6	12.8	12.7	12.8	12.7	12.8	12.0
Color	Visual	clr	clr	clr	clr	clr	clr	clr
Odor	Olfactory	no	no	no	no	no	no	no

Comments:

Dup - 112921
PRMW45 - 112921

Time
X
1455

Monitoring Well Purging / Sampling Form

Project Name and Number:

~~Scotia Navy Depot - 60440641~~

NYSEG Pen Yarr - 60648952

Monitoring Well Number:

PRMW-45

Date:

11/29/21
June, 2021

Samplers:

MT

Sample Number:

PRMW45-112921

QA/QC Collected?

Optional

Purging / Sampling Method:

Low flow bladder pump with dedicated ~~banded~~ tubing

1. L = Well Depth:

27.06 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

6.89 feet

4. C = Column of Water in Well:

20.71 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

3.52 gal

6. 3(V) = Target Purge Volume

10.6 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

YSI and NTU

Parameter

Units

Readings

Time	24 hr	<u>1445</u>	<u>1450</u>	<u>1455</u>	<u>1500</u>	<u>1505</u>	<u>1510</u>	<u>1515</u>
Water Level (0.33)	feet	<u>8.13</u>	<u>7.98</u>	<u>8.03</u>				
Volume Purged	gal	<u>1.6</u>	<u>1.4</u>	<u>2.91</u>				
Flow Rate	mL/min	<u>6000</u>	<u>6750</u>	<u>7500</u>				
Turbidity (+/- 10%)	NTU	<u>7.50</u>	<u>8.17</u>	<u>7.44</u>				
Dissolved Oxygen (+/- 10%)	%	<u>5.0</u>	<u>4.5</u>	<u>4.5</u>				
Dissolved Oxygen (+/- 10%)	mg/L	<u>0.53</u>	<u>0.48</u>	<u>0.48</u>		<u>0.116</u>		
EH / ORP (+/- 10)	MeV	<u>6.0</u>	<u>5.2</u>	<u>8.0</u>		<u>10.7</u>		
Specific Conductivity (+/- 3%)	mS/cm ^c	<u>0.44</u>	<u>0.46</u>	<u>1.01</u>				
Conductivity (+/- 3%)	mS/cm	<u>6.71</u>	<u>0.72</u>	<u>0.76</u>				
pH (+/- 0.1)	pH unit	<u>7.24</u>	<u>7.20</u>	<u>7.20</u>				
Temp (+/- 0.5)	C°	<u>12.0</u>	<u>12.1</u>	<u>12.2</u>				
Color	Visual	<u>clr</u>	<u>clr</u>	<u>clr</u>				
Odor	Olfactory	<u>no</u>	<u>no</u>	<u>no</u>				

Comments:

Dup - 112921 | Time
PRMW45-112921 | X
1455

Monitoring Well Purging / Sampling Form

Project Name and Number:

NYSEG Pen Yarn - 60648952

Monitoring Well Number:

PRMW-SD

Date: 113021

Samplers:

MZ

Sample Number:

PRMW-SD 113021

QA/QC Collected? No

Purging / Sampling Method:

low flow, per

1. L = Well Depth:

32.00 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

113021 - (2.75)

2.63 feet

4. C = Column of Water in Well:

29.37 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

4.99 gal

6. 3(V) = Target Purge Volume

15 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter	Units	Readings							
Time	24 hr	1006	1005	1010	1015	1020	1025	1030	
Water Level (0.33)	feet	4.09	4.55	5.26	5.34	5.53	5.68	5.87	
Volume Purged	gal	0.3	0.4	0.1	1.2	1.5	1.8	2	
Flow Rate	mL/min	1100	2200	3300	4400	5500	6600	7700	
Turbidity (+/- 10%)	NTU	135	146	0 R	0 R	0 R	0 R	0 R	
Dissolved Oxygen (+/- 10%)	%	5.3	4.2	3.4	3.0	2.9	3.0	2.8	
Dissolved Oxygen (+/- 10%)	mg/L	0.58	0.47	0.37	0.33	0.32	0.33	0.30	
Eh / ORP (+/- 10)	MeV	-69.2	-88.9	-97.5	-100.4	-102.1	-103.4	-104.2	
Specific Conductivity (+/- 3%)	mS/cm ^c	0.426	0.405	0.424	0.422	0.421	0.421	0.421	
Conductivity (+/- 3%)	mS/cm	0.304	0.304	0.310	0.308	0.311	0.311	0.311	
pH (+/- 0.1)	pH unit	7.69	7.70	7.70	7.71	7.69	7.69	7.66	
Temp (+/- 0.5)	C ^o	10.1	10.5	10.9	11.0	11.3	11.9	11.4	
Color	Visual	clear	gray	gray	gray	gray	gray	gray	
Odor	Olfactory	no	no	no	no	no	no	no	

Comments:

PRMW-SD - 113021 : 1030

Monitoring Well Purging / Sampling Form

Project Name and Number:

NYSEG Pen Ym - 60648952

Monitoring Well Number:

PRMW-55

Date:

11/30/21

Samplers:

MI

Sample Number:

PRMW 65-113021

QA/QC Collected?

No

Purging / Sampling Method:

low flow, per.

1. L = Well Depth:

22.60 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

113021 (645)

6.88 feet

4. C = Column of Water in Well:

15.72 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

2.67 gal

6. 3(V) = Target Purge Volume

8 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter	Units	Readings							
Time	24 hr	1055	1100	1105	1110	1115	1120	1125	
Water Level (0.33)	feet	7.24	7.30	7.32	7.32	7.36	7.30	7.30	
Volume Purged	gal	0.3	6.6	0.9	1.2	1.5	1.8	2.0	
Flow Rate	mL/min	1100	2200	3300	4400	5500	6600	7700	
Turbidity (+/- 10%)	NTU	61.5	56.7	44.5	30.3	23.8	20.6	11.6	
Dissolved Oxygen (+/- 10%)	%	5.6	3.8	4.0	3.2	3.7	3.1	3.2	
Dissolved Oxygen (+/- 10%)	mg/L	0.59	0.40	0.42	0.33	0.36	0.32	0.602	
Eh / ORP (+/- 10)	MeV	-63.2	-42.3	-36.5	-45.5	-54.3	-58.2	-63.6	
Specific Conductivity (+/- 3%)	mS/cm ^c	0.64	0.599	0.600	0.602	0.602	0.602	0.601	
Conductivity (+/- 3%)	mS/cm	0.472	0.465	0.465	0.469	0.469	0.469	0.466	
pH (+/- 0.1)	pH unit	7.40	7.40	7.37	7.35	7.35	7.33	7.33	
Temp (+/- 0.5)	C ^o	13.2	13.3	13.3	13.5	13.0	13.0	13.3	
Color	Visual	clr	clr	clr	clr	clr	clr	clr	
Odor	Olfactory	no	no	no	no	no	no	no	

Comments:

PRMW 65-113021 : 1125

Monitoring Well Purging / Sampling Form

Project Name and Number:

NYS EG Pen Yarn - 60648952

Monitoring Well Number:

PRMW-60

Date:

113021

Samplers:

MZ

Sample Number:

PRMW-60

QA/QC Collected?

NO

Purging / Sampling Method:

low flow, per:

1. L = Well Depth:

36.90

feet

2. D = Riser Diameter (I.D.):

0.17

feet

3. W = Depth to Water:

11/30/21 - (3.30)

3.06

feet

4. C = Column of Water in Well:

33.84

feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

5.75

gal

6. 3(V) = Target Purge Volume

17.3

gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter

Units

Readings

Time	24 hr	0805	0810	0815	0820	0825	0830	0835
Water Level (0.33)	feet	3.98	4.24	4.38	4.49	4.59	4.65	4.71
Volume Purged	gal	.3	.6	.9	1.2	1.5	1.8	2
Flow Rate	mL/min	1100	2200	3300	4400	5500	6600	7700
Turbidity (+/- 10%)	NTU	28.2	37.4	35.1	30.4	24.2	25.9	19.6
Dissolved Oxygen (+/- 10%)	%	38.4	41.6	6.7	5.0	4.7	4.3	4.1
Dissolved Oxygen (+/- 10%)	mg/L	4.40	1.24	0.76	0.56	0.53	0.49	0.46
Eh / ORP (+/- 10)	MeV	-95.5	-105.3	-110.3	-113.9	-116.1	-119.0	-118.3
Specific Conductivity (+/- 3%)	mS/cm ^c	0.413	0.410	0.409	0.408	0.408	0.407	0.408
Conductivity (+/- 3%)	mS/cm	0.293	0.292	0.291	0.292	0.294	0.293	0.294
pH (+/- 0.1)	pH unit	7.89	7.91	7.88	7.82	7.83	7.82	7.84
Temp (+/- 0.5)	C ^o	4.9	10.0	9.8	10.1	10.3	10.2	10.3
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	no	no	no	no	no	no	no

Comments:

PRMW60 - 113021 : 0835

Monitoring Well Purging / Sampling Form

Project Name and Number:

NYSEC Penn Yan - 60648952

Monitoring Well Number:

PRMW-65

Date: 113021

Samplers:

M1

Sample Number:

PRMW65-113021

QA/QC Collected? N.O

Purging / Sampling Method:

low flow per:

1. L = Well Depth:

23.68 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

113021 - (6.23)

6.04 feet

4. C = Column of Water in Well:

17.04 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

2.81 gal

6. 3(V) = Target Purge Volume

8.64 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter	Units	Readings							
Time	24 hr	0905	0916	0915	0920	0925	0930	0935	
Water Level (0.33)	feet	8.40	9.00	7.94	10.65	11.24	11.60	12.80	
Volume Purged	gal	0.2	0.4	0.6	0.8	1.0	1.2	1.5	
Flow Rate	mL/min	750	1500	2250	3000	3750	4500	5250	
Turbidity (+/- 10%)	NTU	20.8	22.4	15.4	11.0	15.4	13.6	16.3	
Dissolved Oxygen (+/- 10%)	%	7.0	7.6	6.7	6.2	6.5	6.1	6.2	
Dissolved Oxygen (+/- 10%)	mg/L	0.77	0.78	0.73	0.69	0.70	0.68	0.69	
Eh / ORP (+/- 10)	MeV	62	11.1	14.1	18.5	21.7	24.8	22.7	
Specific Conductivity (+/- 3%)	mS/cm ^c	0.425	0.423	0.423	0.424	0.423	0.424	0.425	
Conductivity (+/- 3%)	mS/cm	0.310	0.306	0.311	0.304	0.307	0.307	0.312	
pH (+/- 0.1)	pH unit	7.74	7.69	7.68	7.67	7.63	7.62	7.67	
Temp (+/- 0.5)	C°	10.4	10.5	11.1	10.3	10.8	10.5	10.8	
Color	Visual	clear	chr	chr	chr	chr	chr	chr	
Odor	Olfactory	no	no	no	no	no	no	no	

Comments:

PRMW65 - 113021 : 0935

Monitoring Well Purging / Sampling Form

Project Name and Number:

NYSEC Pen Yan 48023403

Monitoring Well Number:

TMW-10

Date: 113021

Samplers:

MZ

Sample Number:

TMW10-113021

QA/QC Collected? NO

Purging / Sampling Method:

low flow, per 1

1. L = Well Depth:

63.25 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

113021 - (4.45)

4.40 feet

4. C = Column of Water in Well:

58.85 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

10 gal

6. 3(V) = Target Purge Volume

30 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using

NTU + YSI

Parameter

Units

Readings

Time	24 hr	1155	1200	1205	1210	1215	1220	1225
Water Level (0.33)	feet	4.78	4.80	4.82	4.82	4.82	4.82	4.82
Volume Purged	gal	0.2	0.6	0.9	1.2	1.5	1.4	2
Flow Rate	mL/min	1100	2200	3300	4400	5500	6600	7700
Turbidity (+/- 10%)	NTU	12.2	13.1	9.59	7.63	7.25	6.36	3.76
Dissolved Oxygen (+/- 10%)	%	3.2	3.1	3.2	2.8	2.8	2.8	3.0
Dissolved Oxygen (+/- 10%)	mg/L	0.35	0.32	0.35	0.30	0.30	0.29	0.29
Eh / ORP (+/- 10)	MeV	-99.7	-105.5	-108.6	-108.9	-109.8	-110.6	-111.2
Specific Conductivity (+/- 3%)	mS/cm ^c	0.462	0.463	0.466	0.469	0.469	0.469	0.469
Conductivity (+/- 3%)	mS/cm	0.351	0.353	0.353	0.357	0.356	0.356	0.355
pH (+/- 0.1)	pH unit	7.63	7.66	7.61	7.59	7.58	7.58	7.59
Temp (+/- 0.5)	C ^o	12.4	12.5	12.3	12.5	12.4	12.3	12.3
Color	Visual	clr	clr	clr	clr	clr	clr	clr
Odor	Olfactory	no	no	no	no	no	no	no

Comments:

TMW 10-113021:1225

Appendix B Analytical Laboratory Report

ANALYTICAL REPORT

Job Number: 480-192935-1

Job Description: NYSEG - Penn Yan Water St. MGP

For:

New York State Electric & Gas
18 Link Drive
Binghamton, NY 13902

Attention: Mr. John J Ruspantini



Approved for release.
Rebecca M Jones
Project Management Assistant I
12/8/2021 6:10 PM

Designee for
John R Schove, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9838
John.Schove@Eurofinset.com
12/08/2021

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

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive, Amherst, NY 14228-2298

Tel (716) 691-2600 Fax (716) 691-7991 www.testamericainc.com



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Job Narrative
480-192935-1

Comments

No additional comments.

Receipt

The samples were received on 12/2/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 2.2° C.

GC/MS VOA

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

GC/MS Semi VOA

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: PRMW-2D-113021 (480-192935-2[MSD]). These results have been reported and qualified.

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

General Chemistry

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

Organic Prep

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

Sample Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-192935-1	PRMW-1S-112921	Water	11/29/21 15:35	12/02/21 08:00
480-192935-2	PRMW-2D-113021	Water	11/30/21 09:00	12/02/21 08:00
480-192935-3	PRMW-2S-113021	Water	11/30/21 10:10	12/02/21 08:00
480-192935-4	PRMW-3D-113021	Water	11/30/21 11:35	12/02/21 08:00
480-192935-5	PRMW-3S-113021	Water	11/30/21 12:15	12/02/21 08:00
480-192935-6	PRMW-4S-112921	Water	11/29/21 14:55	12/02/21 08:00
480-192935-7	DUP-112921	Water	11/29/21 14:55	12/02/21 08:00
480-192935-8	PRMW-5D-113021	Water	11/30/21 10:30	12/02/21 08:00
480-192935-9	PRMW-5S-113021	Water	11/30/21 11:25	12/02/21 08:00
480-192935-10	PRMW-6D-113021	Water	11/30/21 08:35	12/02/21 08:00
480-192935-11	PRMW-6S-113021	Water	11/30/21 09:35	12/02/21 08:00
480-192935-12	TMW-1D-113021	Water	11/30/21 12:25	12/02/21 08:00
480-192935-13	EB-120121	Water	12/01/21 13:00	12/02/21 08:00
480-192935-14	TB-1-120121	Water	11/30/21 00:00	12/02/21 08:00
480-192935-15	TB-2-120121	Water	11/30/21 00:00	12/02/21 08:00

Detection Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-1S-112921

Lab Sample ID: 480-192935-1

No Detections.

Client Sample ID: PRMW-2D-113021

Lab Sample ID: 480-192935-2

No Detections.

Client Sample ID: PRMW-2S-113021

Lab Sample ID: 480-192935-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.090		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: PRMW-3D-113021

Lab Sample ID: 480-192935-4

No Detections.

Client Sample ID: PRMW-3S-113021

Lab Sample ID: 480-192935-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.27		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: PRMW-4S-112921

Lab Sample ID: 480-192935-6

No Detections.

Client Sample ID: DUP-112921

Lab Sample ID: 480-192935-7

No Detections.

Client Sample ID: PRMW-5D-113021

Lab Sample ID: 480-192935-8

No Detections.

Client Sample ID: PRMW-5S-113021

Lab Sample ID: 480-192935-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	27		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	5.9		1.0	0.74	ug/L	1		8260C	Total/NA
Toluene	1.6		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	6.6		2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	15		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	3.4	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	0.52	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	2.1	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	5.5		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	44		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	5.7		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	1.3	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: PRMW-6D-113021

Lab Sample ID: 480-192935-10

No Detections.

Client Sample ID: PRMW-6S-113021

Lab Sample ID: 480-192935-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyanide, Total	0.051		0.010	0.0050	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: TMW-1D-113021

Lab Sample ID: 480-192935-12

☐ No Detections.

Client Sample ID: EB-120121

Lab Sample ID: 480-192935-13

☐ No Detections.

Client Sample ID: TB-1-120121

Lab Sample ID: 480-192935-14

☐ No Detections.

Client Sample ID: TB-2-120121

Lab Sample ID: 480-192935-15

☐ No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Method Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-1S-112921

Lab Sample ID: 480-192935-1

Date Collected: 11/29/21 15:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 00:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 00:22	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 00:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120					12/03/21 00:22	1
4-Bromofluorobenzene (Surr)	99		73 - 120					12/03/21 00:22	1
Dibromofluoromethane (Surr)	98		75 - 123					12/03/21 00:22	1
Toluene-d8 (Surr)	97		80 - 120					12/03/21 00:22	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 14:21	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 14:21	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 14:21	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 14:21	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 14:21	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 14:21	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 14:21	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 14:21	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 14:21	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 14:21	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		48 - 120				12/02/21 14:29	12/03/21 14:21	1
Nitrobenzene-d5 (Surr)	72		46 - 120				12/02/21 14:29	12/03/21 14:21	1
p-Terphenyl-d14 (Surr)	103		60 - 148				12/02/21 14:29	12/03/21 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 13:58	1

Client Sample ID: PRMW-2D-113021

Lab Sample ID: 480-192935-2

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 00:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 00:45	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 00:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 00:45	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-2D-113021

Lab Sample ID: 480-192935-2

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 12/02/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/03/21 00:45	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/03/21 00:45	1
Dibromofluoromethane (Surr)	104		75 - 123		12/03/21 00:45	1
Toluene-d8 (Surr)	97		80 - 120		12/03/21 00:45	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 13:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 13:53	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 13:53	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 13:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 13:53	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 13:53	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 13:53	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 13:53	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 13:53	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 13:53	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		48 - 120	12/02/21 14:29	12/03/21 13:53	1
Nitrobenzene-d5 (Surr)	58		46 - 120	12/02/21 14:29	12/03/21 13:53	1
p-Terphenyl-d14 (Surr)	90		60 - 148	12/02/21 14:29	12/03/21 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 13:54	1

Client Sample ID: PRMW-2S-113021

Lab Sample ID: 480-192935-3

Date Collected: 11/30/21 10:10

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 01:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 01:08	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 01:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		12/03/21 01:08	1
4-Bromofluorobenzene (Surr)	101		73 - 120		12/03/21 01:08	1
Dibromofluoromethane (Surr)	104		75 - 123		12/03/21 01:08	1
Toluene-d8 (Surr)	96		80 - 120		12/03/21 01:08	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-2S-113021

Lab Sample ID: 480-192935-3

Date Collected: 11/30/21 10:10

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 14:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 14:48	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 14:48	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 14:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 14:48	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 14:48	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 14:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 14:48	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 14:48	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 14:48	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	93		48 - 120				12/02/21 14:29	12/03/21 14:48	1
Nitrobenzene-d5 (Surr)	74		46 - 120				12/02/21 14:29	12/03/21 14:48	1
p-Terphenyl-d14 (Surr)	98		60 - 148				12/02/21 14:29	12/03/21 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.090		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 13:59	1

Client Sample ID: PRMW-3D-113021

Lab Sample ID: 480-192935-4

Date Collected: 11/30/21 11:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 01:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 01:31	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 01:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120					12/03/21 01:31	1
4-Bromofluorobenzene (Surr)	95		73 - 120					12/03/21 01:31	1
Dibromofluoromethane (Surr)	99		75 - 123					12/03/21 01:31	1
Toluene-d8 (Surr)	96		80 - 120					12/03/21 01:31	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 15:15	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 15:15	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 15:15	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 15:15	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 15:15	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 15:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-3D-113021

Lab Sample ID: 480-192935-4

Date Collected: 11/30/21 11:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 15:15	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 15:15	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 15:15	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 15:15	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 15:15	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 15:15	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 15:15	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 15:15	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 15:15	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	89		48 - 120	12/02/21 14:29	12/03/21 15:15	1
Nitrobenzene-d5 (Surr)	75		46 - 120	12/02/21 14:29	12/03/21 15:15	1
p-Terphenyl-d14 (Surr)	84		60 - 148	12/02/21 14:29	12/03/21 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:01	1

Client Sample ID: PRMW-3S-113021

Lab Sample ID: 480-192935-5

Date Collected: 11/30/21 12:15

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 01:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 01:54	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 01:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		12/03/21 01:54	1
4-Bromofluorobenzene (Surr)	96		73 - 120		12/03/21 01:54	1
Dibromofluoromethane (Surr)	96		75 - 123		12/03/21 01:54	1
Toluene-d8 (Surr)	98		80 - 120		12/03/21 01:54	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 15:43	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 15:43	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 15:43	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 15:43	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 15:43	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 15:43	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 15:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-3S-113021

Lab Sample ID: 480-192935-5

Date Collected: 11/30/21 12:15

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 15:43	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 15:43	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 15:43	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 15:43	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	105		48 - 120				12/02/21 14:29	12/03/21 15:43	1
Nitrobenzene-d5 (Surr)	89		46 - 120				12/02/21 14:29	12/03/21 15:43	1
p-Terphenyl-d14 (Surr)	102		60 - 148				12/02/21 14:29	12/03/21 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.27		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:02	1

Client Sample ID: PRMW-4S-112921

Lab Sample ID: 480-192935-6

Date Collected: 11/29/21 14:55

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 02:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 02:17	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 02:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 02:17	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120					12/03/21 02:17	1
4-Bromofluorobenzene (Surr)	97		73 - 120					12/03/21 02:17	1
Dibromofluoromethane (Surr)	102		75 - 123					12/03/21 02:17	1
Toluene-d8 (Surr)	94		80 - 120					12/03/21 02:17	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 16:10	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 16:10	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 16:10	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 16:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 16:10	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 16:10	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 16:10	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 16:10	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 16:10	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 16:10	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 16:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-4S-112921

Lab Sample ID: 480-192935-6

Date Collected: 11/29/21 14:55

Matrix: Water

Date Received: 12/02/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	112		48 - 120	12/02/21 14:29	12/03/21 16:10	1
Nitrobenzene-d5 (Surr)	89		46 - 120	12/02/21 14:29	12/03/21 16:10	1
p-Terphenyl-d14 (Surr)	106		60 - 148	12/02/21 14:29	12/03/21 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:04	1

Client Sample ID: DUP-112921

Lab Sample ID: 480-192935-7

Date Collected: 11/29/21 14:55

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 02:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 02:40	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 02:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		12/03/21 02:40	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/03/21 02:40	1
Dibromofluoromethane (Surr)	100		75 - 123		12/03/21 02:40	1
Toluene-d8 (Surr)	94		80 - 120		12/03/21 02:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 16:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 16:37	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 16:37	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 16:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 16:37	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 16:37	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 16:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 16:37	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 16:37	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 16:37	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	105		48 - 120	12/02/21 14:29	12/03/21 16:37	1
Nitrobenzene-d5 (Surr)	80		46 - 120	12/02/21 14:29	12/03/21 16:37	1
p-Terphenyl-d14 (Surr)	98		60 - 148	12/02/21 14:29	12/03/21 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-5D-113021

Lab Sample ID: 480-192935-8

Date Collected: 11/30/21 10:30

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 03:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 03:03	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 03:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/03/21 03:03	1
4-Bromofluorobenzene (Surr)	100		73 - 120		12/03/21 03:03	1
Dibromofluoromethane (Surr)	101		75 - 123		12/03/21 03:03	1
Toluene-d8 (Surr)	99		80 - 120		12/03/21 03:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 17:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 17:04	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 17:04	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 17:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 17:04	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 17:04	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:04	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 17:04	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 17:04	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	109		48 - 120	12/02/21 14:29	12/03/21 17:04	1
Nitrobenzene-d5 (Surr)	92		46 - 120	12/02/21 14:29	12/03/21 17:04	1
p-Terphenyl-d14 (Surr)	107		60 - 148	12/02/21 14:29	12/03/21 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:07	1

Client Sample ID: PRMW-5S-113021

Lab Sample ID: 480-192935-9

Date Collected: 11/30/21 11:25

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	27		1.0	0.41	ug/L			12/03/21 03:26	1
Ethylbenzene	5.9		1.0	0.74	ug/L			12/03/21 03:26	1
Toluene	1.6		1.0	0.51	ug/L			12/03/21 03:26	1
Xylenes, Total	6.6		2.0	0.66	ug/L			12/03/21 03:26	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-5S-113021

Lab Sample ID: 480-192935-9

Date Collected: 11/30/21 11:25

Matrix: Water

Date Received: 12/02/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		12/03/21 03:26	1
4-Bromofluorobenzene (Surr)	105		73 - 120		12/03/21 03:26	1
Dibromofluoromethane (Surr)	100		75 - 123		12/03/21 03:26	1
Toluene-d8 (Surr)	99		80 - 120		12/03/21 03:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	15		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 17:32	1
Acenaphthylene	3.4	J	5.0	0.38	ug/L		12/02/21 14:29	12/03/21 17:32	1
Anthracene	0.52	J	5.0	0.28	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 17:32	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 17:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 17:32	1
Fluoranthene	2.1	J	5.0	0.40	ug/L		12/02/21 14:29	12/03/21 17:32	1
Fluorene	5.5		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:32	1
Naphthalene	44		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 17:32	1
Phenanthrene	5.7		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 17:32	1
Pyrene	1.3	J	5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		48 - 120	12/02/21 14:29	12/03/21 17:32	1
Nitrobenzene-d5 (Surr)	74		46 - 120	12/02/21 14:29	12/03/21 17:32	1
p-Terphenyl-d14 (Surr)	90		60 - 148	12/02/21 14:29	12/03/21 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:08	1

Client Sample ID: PRMW-6D-113021

Lab Sample ID: 480-192935-10

Date Collected: 11/30/21 08:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 03:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 03:50	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 03:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/03/21 03:50	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/03/21 03:50	1
Dibromofluoromethane (Surr)	105		75 - 123		12/03/21 03:50	1
Toluene-d8 (Surr)	97		80 - 120		12/03/21 03:50	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-6D-113021

Lab Sample ID: 480-192935-10

Date Collected: 11/30/21 08:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 17:59	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 17:59	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 17:59	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 17:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 17:59	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 17:59	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:59	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 17:59	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 17:59	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	109		48 - 120				12/02/21 14:29	12/03/21 17:59	1
Nitrobenzene-d5 (Surr)	91		46 - 120				12/02/21 14:29	12/03/21 17:59	1
p-Terphenyl-d14 (Surr)	112		60 - 148				12/02/21 14:29	12/03/21 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:09	1

Client Sample ID: PRMW-6S-113021

Lab Sample ID: 480-192935-11

Date Collected: 11/30/21 09:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 04:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 04:13	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 04:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120					12/03/21 04:13	1
4-Bromofluorobenzene (Surr)	97		73 - 120					12/03/21 04:13	1
Dibromofluoromethane (Surr)	103		75 - 123					12/03/21 04:13	1
Toluene-d8 (Surr)	97		80 - 120					12/03/21 04:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 18:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 18:26	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 18:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 18:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 18:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 18:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-6S-113021

Lab Sample ID: 480-192935-11

Date Collected: 11/30/21 09:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 18:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 18:26	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 18:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 18:26	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 18:26	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 18:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 18:26	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 18:26	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 18:26	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	99		48 - 120				12/02/21 14:29	12/03/21 18:26	1
Nitrobenzene-d5 (Surr)	82		46 - 120				12/02/21 14:29	12/03/21 18:26	1
p-Terphenyl-d14 (Surr)	94		60 - 148				12/02/21 14:29	12/03/21 18:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.051		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:11	1

Client Sample ID: TMW-1D-113021

Lab Sample ID: 480-192935-12

Date Collected: 11/30/21 12:25

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 04:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 04:36	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 04:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120					12/03/21 04:36	1
4-Bromofluorobenzene (Surr)	98		73 - 120					12/03/21 04:36	1
Dibromofluoromethane (Surr)	104		75 - 123					12/03/21 04:36	1
Toluene-d8 (Surr)	98		80 - 120					12/03/21 04:36	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 18:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 18:53	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 18:53	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 18:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 18:53	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 18:53	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 18:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: TMW-1D-113021

Lab Sample ID: 480-192935-12

Date Collected: 11/30/21 12:25

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 18:53	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 18:53	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 18:53	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		48 - 120	12/02/21 14:29	12/03/21 18:53	1
Nitrobenzene-d5 (Surr)	59		46 - 120	12/02/21 14:29	12/03/21 18:53	1
p-Terphenyl-d14 (Surr)	92		60 - 148	12/02/21 14:29	12/03/21 18:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:12	1

Client Sample ID: EB-120121

Lab Sample ID: 480-192935-13

Date Collected: 12/01/21 13:00

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 04:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 04:59	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 04:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 04:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		12/03/21 04:59	1
4-Bromofluorobenzene (Surr)	94		73 - 120		12/03/21 04:59	1
Dibromofluoromethane (Surr)	105		75 - 123		12/03/21 04:59	1
Toluene-d8 (Surr)	96		80 - 120		12/03/21 04:59	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 19:21	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 19:21	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 19:21	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 19:21	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 19:21	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 19:21	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 19:21	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 19:21	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 19:21	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 19:21	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 19:21	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: EB-120121

Date Collected: 12/01/21 13:00

Date Received: 12/02/21 08:00

Lab Sample ID: 480-192935-13

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		48 - 120	12/02/21 14:29	12/03/21 19:21	1
Nitrobenzene-d5 (Surr)	69		46 - 120	12/02/21 14:29	12/03/21 19:21	1
p-Terphenyl-d14 (Surr)	112		60 - 148	12/02/21 14:29	12/03/21 19:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:14	1

Client Sample ID: TB-1-120121

Date Collected: 11/30/21 00:00

Date Received: 12/02/21 08:00

Lab Sample ID: 480-192935-14

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 05:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 05:22	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 05:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		12/03/21 05:22	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/03/21 05:22	1
Dibromofluoromethane (Surr)	98		75 - 123		12/03/21 05:22	1
Toluene-d8 (Surr)	97		80 - 120		12/03/21 05:22	1

Client Sample ID: TB-2-120121

Date Collected: 11/30/21 00:00

Date Received: 12/02/21 08:00

Lab Sample ID: 480-192935-15

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 05:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 05:45	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 05:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/03/21 05:45	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/03/21 05:45	1
Dibromofluoromethane (Surr)	107		75 - 123		12/03/21 05:45	1
Toluene-d8 (Surr)	98		80 - 120		12/03/21 05:45	1

Surrogate Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-192935-1	PRMW-1S-112921	97	99	98	97
480-192935-2	PRMW-2D-113021	99	97	104	97
480-192935-2 MS	PRMW-2D-113021	92	100	101	102
480-192935-2 MSD	PRMW-2D-113021	95	102	101	99
480-192935-3	PRMW-2S-113021	95	101	104	96
480-192935-4	PRMW-3D-113021	95	95	99	96
480-192935-5	PRMW-3S-113021	92	96	96	98
480-192935-6	PRMW-4S-112921	98	97	102	94
480-192935-7	DUP-112921	97	97	100	94
480-192935-8	PRMW-5D-113021	98	100	101	99
480-192935-9	PRMW-5S-113021	96	105	100	99
480-192935-10	PRMW-6D-113021	101	99	105	97
480-192935-11	PRMW-6S-113021	99	97	103	97
480-192935-12	TMW-1D-113021	99	98	104	98
480-192935-13	EB-120121	92	94	105	96
480-192935-14	TB-1-120121	93	99	98	97
480-192935-15	TB-2-120121	100	97	107	98
LCS 480-607406/5	Lab Control Sample	91	104	97	97
MB 480-607406/7	Method Blank	94	99	100	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (48-120)	NBZ (46-120)	TPHd14 (60-148)
480-192935-1	PRMW-1S-112921	90	72	103
480-192935-2	PRMW-2D-113021	70	58	90
480-192935-2 MS	PRMW-2D-113021	93	87	77
480-192935-2 MSD	PRMW-2D-113021	97	77	78
480-192935-3	PRMW-2S-113021	93	74	98
480-192935-4	PRMW-3D-113021	89	75	84
480-192935-5	PRMW-3S-113021	105	89	102
480-192935-6	PRMW-4S-112921	112	89	106
480-192935-7	DUP-112921	105	80	98
480-192935-8	PRMW-5D-113021	109	92	107
480-192935-9	PRMW-5S-113021	91	74	90
480-192935-10	PRMW-6D-113021	109	91	112
480-192935-11	PRMW-6S-113021	99	82	94
480-192935-12	TMW-1D-113021	71	59	92
480-192935-13	EB-120121	87	69	112
LCS 480-607419/2-A	Lab Control Sample	94	79	98
MB 480-607419/1-A	Method Blank	107	90	112

Surrogate Legend

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Surrogate Summary

Client: New York State Electric & Gas

Job ID: 480-192935-1

Project/Site: NYSEG - Penn Yan Water St. MGP

FBP = 2-Fluorobiphenyl

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-607406/7

Matrix: Water

Analysis Batch: 607406

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/02/21 23:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/02/21 23:59	1
Toluene	ND		1.0	0.51	ug/L			12/02/21 23:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/02/21 23:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		12/02/21 23:59	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/02/21 23:59	1
Dibromofluoromethane (Surr)	100		75 - 123		12/02/21 23:59	1
Toluene-d8 (Surr)	98		80 - 120		12/02/21 23:59	1

Lab Sample ID: LCS 480-607406/5

Matrix: Water

Analysis Batch: 607406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.7		ug/L		99	71 - 124
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
Toluene	25.0	24.5		ug/L		98	80 - 122
Xylenes, Total	50.0	49.5		ug/L		99	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	97		75 - 123
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: 480-192935-2 MS

Matrix: Water

Analysis Batch: 607406

Client Sample ID: PRMW-2D-113021

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	28.1		ug/L		112	71 - 124
Ethylbenzene	ND		25.0	28.3		ug/L		113	77 - 123
Toluene	ND		25.0	27.3		ug/L		109	80 - 122
Xylenes, Total	ND		50.0	56.7		ug/L		113	76 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123
Toluene-d8 (Surr)	102		80 - 120

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-192935-2 MSD

Matrix: Water

Analysis Batch: 607406

Client Sample ID: PRMW-2D-113021

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	29.6		ug/L		119	71 - 124	5	13
Ethylbenzene	ND		25.0	28.5		ug/L		114	77 - 123	1	15
Toluene	ND		25.0	27.6		ug/L		110	80 - 122	1	15
Xylenes, Total	ND		50.0	55.2		ug/L		110	76 - 122	3	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123
Toluene-d8 (Surr)	99		80 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-607419/1-A

Matrix: Water

Analysis Batch: 607479

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 607419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 12:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 12:04	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 12:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 12:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 12:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 12:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 12:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 12:04	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 12:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 12:04	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 12:04	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 12:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 12:04	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 12:04	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 12:04	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	107		48 - 120	12/02/21 14:29	12/03/21 12:04	1
Nitrobenzene-d5 (Surr)	90		46 - 120	12/02/21 14:29	12/03/21 12:04	1
p-Terphenyl-d14 (Surr)	112		60 - 148	12/02/21 14:29	12/03/21 12:04	1

Lab Sample ID: LCS 480-607419/2-A

Matrix: Water

Analysis Batch: 607479

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 607419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	30.9		ug/L		96	60 - 120
Acenaphthylene	32.0	29.4		ug/L		92	63 - 120
Anthracene	32.0	31.5		ug/L		98	67 - 120

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QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-607419/2-A

Matrix: Water

Analysis Batch: 607479

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 607419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	32.0	31.2		ug/L		97	70 - 121
Benzo[a]pyrene	32.0	27.4		ug/L		86	60 - 123
Benzo[b]fluoranthene	32.0	30.2		ug/L		94	66 - 126
Benzo[g,h,i]perylene	32.0	32.2		ug/L		101	66 - 150
Benzo[k]fluoranthene	32.0	28.9		ug/L		90	65 - 124
Chrysene	32.0	30.6		ug/L		96	69 - 120
Dibenz(a,h)anthracene	32.0	32.2		ug/L		101	65 - 135
Fluoranthene	32.0	32.7		ug/L		102	69 - 126
Fluorene	32.0	33.0		ug/L		103	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	31.6		ug/L		99	69 - 146
Naphthalene	32.0	28.5		ug/L		89	57 - 120
Phenanthrene	32.0	30.9		ug/L		96	68 - 120
Pyrene	32.0	30.8		ug/L		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	94		48 - 120
Nitrobenzene-d5 (Surr)	79		46 - 120
p-Terphenyl-d14 (Surr)	98		60 - 148

Lab Sample ID: 480-192935-2 MS

Matrix: Water

Analysis Batch: 607479

Client Sample ID: PRMW-2D-113021

Prep Type: Total/NA

Prep Batch: 607419

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		32.0	30.1		ug/L		94	48 - 120
Acenaphthylene	ND		32.0	27.9		ug/L		87	63 - 120
Anthracene	ND		32.0	30.2		ug/L		94	65 - 122
Benzo[a]anthracene	ND		32.0	25.3		ug/L		79	43 - 124
Benzo[a]pyrene	ND		32.0	20.7		ug/L		65	23 - 125
Benzo[b]fluoranthene	ND		32.0	22.7		ug/L		71	27 - 127
Benzo[g,h,i]perylene	ND		32.0	23.9		ug/L		75	16 - 147
Benzo[k]fluoranthene	ND		32.0	22.0		ug/L		69	20 - 124
Chrysene	ND		32.0	24.9		ug/L		78	44 - 122
Dibenz(a,h)anthracene	ND		32.0	23.6		ug/L		74	16 - 139
Fluoranthene	ND		32.0	30.9		ug/L		97	63 - 129
Fluorene	ND		32.0	31.7		ug/L		99	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	23.2		ug/L		73	16 - 140
Naphthalene	ND		32.0	28.0		ug/L		87	45 - 120
Phenanthrene	ND		32.0	29.2		ug/L		91	65 - 122
Pyrene	ND		32.0	29.3		ug/L		92	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	93		48 - 120
Nitrobenzene-d5 (Surr)	87		46 - 120
p-Terphenyl-d14 (Surr)	77		60 - 148

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-192935-2 MSD

Matrix: Water

Analysis Batch: 607479

Client Sample ID: PRMW-2D-113021

Prep Type: Total/NA

Prep Batch: 607419

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		32.0	30.2		ug/L		94	48 - 120	1	24
Acenaphthylene	ND		32.0	29.3		ug/L		92	63 - 120	5	18
Anthracene	ND		32.0	32.0		ug/L		100	65 - 122	6	15
Benzo[a]anthracene	ND		32.0	26.8		ug/L		84	43 - 124	6	15
Benzo[a]pyrene	ND		32.0	21.9		ug/L		68	23 - 125	6	15
Benzo[b]fluoranthene	ND		32.0	24.2		ug/L		76	27 - 127	6	15
Benzo[g,h,i]perylene	ND		32.0	25.2		ug/L		79	16 - 147	5	15
Benzo[k]fluoranthene	ND		32.0	23.2		ug/L		72	20 - 124	5	22
Chrysene	ND		32.0	26.1		ug/L		82	44 - 122	5	15
Dibenz(a,h)anthracene	ND		32.0	25.2		ug/L		79	16 - 139	7	15
Fluoranthene	ND		32.0	32.5		ug/L		102	63 - 129	5	15
Fluorene	ND		32.0	32.1		ug/L		100	62 - 120	1	15
Indeno[1,2,3-cd]pyrene	ND		32.0	24.9		ug/L		78	16 - 140	7	15
Naphthalene	ND		32.0	27.0		ug/L		84	45 - 120	4	29
Phenanthrene	ND		32.0	31.6		ug/L		99	65 - 122	8	15
Pyrene	ND		32.0	31.3		ug/L		98	58 - 128	7	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	97		48 - 120
Nitrobenzene-d5 (Surr)	77		46 - 120
p-Terphenyl-d14 (Surr)	78		60 - 148

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-607390/1-A

Matrix: Water

Analysis Batch: 607418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 607390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 13:48	1

Lab Sample ID: LCS 480-607390/2-A

Matrix: Water

Analysis Batch: 607418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 607390

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.410		mg/L		103	90 - 110

Lab Sample ID: LCS 480-607390/3-A

Matrix: Water

Analysis Batch: 607418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 607390

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.252		mg/L		101	90 - 110

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 480-192935-2 MS

Matrix: Water

Analysis Batch: 607418

Client Sample ID: PRMW-2D-113021

Prep Type: Total/NA

Prep Batch: 607390

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.110		mg/L		110	90 - 110

Lab Sample ID: 480-192935-2 MSD

Matrix: Water

Analysis Batch: 607418

Client Sample ID: PRMW-2D-113021

Prep Type: Total/NA

Prep Batch: 607390

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		0.100	0.109		mg/L		109	90 - 110	1	15

Definitions/Glossary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

GC/MS VOA

Analysis Batch: 607406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192935-1	PRMW-1S-112921	Total/NA	Water	8260C	
480-192935-2	PRMW-2D-113021	Total/NA	Water	8260C	
480-192935-3	PRMW-2S-113021	Total/NA	Water	8260C	
480-192935-4	PRMW-3D-113021	Total/NA	Water	8260C	
480-192935-5	PRMW-3S-113021	Total/NA	Water	8260C	
480-192935-6	PRMW-4S-112921	Total/NA	Water	8260C	
480-192935-7	DUP-112921	Total/NA	Water	8260C	
480-192935-8	PRMW-5D-113021	Total/NA	Water	8260C	
480-192935-9	PRMW-5S-113021	Total/NA	Water	8260C	
480-192935-10	PRMW-6D-113021	Total/NA	Water	8260C	
480-192935-11	PRMW-6S-113021	Total/NA	Water	8260C	
480-192935-12	TMW-1D-113021	Total/NA	Water	8260C	
480-192935-13	EB-120121	Total/NA	Water	8260C	
480-192935-14	TB-1-120121	Total/NA	Water	8260C	
480-192935-15	TB-2-120121	Total/NA	Water	8260C	
MB 480-607406/7	Method Blank	Total/NA	Water	8260C	
LCS 480-607406/5	Lab Control Sample	Total/NA	Water	8260C	
480-192935-2 MS	PRMW-2D-113021	Total/NA	Water	8260C	
480-192935-2 MSD	PRMW-2D-113021	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 607419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192935-1	PRMW-1S-112921	Total/NA	Water	3510C	
480-192935-2	PRMW-2D-113021	Total/NA	Water	3510C	
480-192935-3	PRMW-2S-113021	Total/NA	Water	3510C	
480-192935-4	PRMW-3D-113021	Total/NA	Water	3510C	
480-192935-5	PRMW-3S-113021	Total/NA	Water	3510C	
480-192935-6	PRMW-4S-112921	Total/NA	Water	3510C	
480-192935-7	DUP-112921	Total/NA	Water	3510C	
480-192935-8	PRMW-5D-113021	Total/NA	Water	3510C	
480-192935-9	PRMW-5S-113021	Total/NA	Water	3510C	
480-192935-10	PRMW-6D-113021	Total/NA	Water	3510C	
480-192935-11	PRMW-6S-113021	Total/NA	Water	3510C	
480-192935-12	TMW-1D-113021	Total/NA	Water	3510C	
480-192935-13	EB-120121	Total/NA	Water	3510C	
MB 480-607419/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-607419/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-192935-2 MS	PRMW-2D-113021	Total/NA	Water	3510C	
480-192935-2 MSD	PRMW-2D-113021	Total/NA	Water	3510C	

Analysis Batch: 607479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192935-1	PRMW-1S-112921	Total/NA	Water	8270D	607419
480-192935-2	PRMW-2D-113021	Total/NA	Water	8270D	607419
480-192935-3	PRMW-2S-113021	Total/NA	Water	8270D	607419
480-192935-4	PRMW-3D-113021	Total/NA	Water	8270D	607419
480-192935-5	PRMW-3S-113021	Total/NA	Water	8270D	607419
480-192935-6	PRMW-4S-112921	Total/NA	Water	8270D	607419
480-192935-7	DUP-112921	Total/NA	Water	8270D	607419

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

GC/MS Semi VOA (Continued)

Analysis Batch: 607479 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192935-8	PRMW-5D-113021	Total/NA	Water	8270D	607419
480-192935-9	PRMW-5S-113021	Total/NA	Water	8270D	607419
480-192935-10	PRMW-6D-113021	Total/NA	Water	8270D	607419
480-192935-11	PRMW-6S-113021	Total/NA	Water	8270D	607419
480-192935-12	TMW-1D-113021	Total/NA	Water	8270D	607419
480-192935-13	EB-120121	Total/NA	Water	8270D	607419
MB 480-607419/1-A	Method Blank	Total/NA	Water	8270D	607419
LCS 480-607419/2-A	Lab Control Sample	Total/NA	Water	8270D	607419
480-192935-2 MS	PRMW-2D-113021	Total/NA	Water	8270D	607419
480-192935-2 MSD	PRMW-2D-113021	Total/NA	Water	8270D	607419

General Chemistry

Prep Batch: 607390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192935-1	PRMW-1S-112921	Total/NA	Water	9012B	
480-192935-2	PRMW-2D-113021	Total/NA	Water	9012B	
480-192935-3	PRMW-2S-113021	Total/NA	Water	9012B	
480-192935-4	PRMW-3D-113021	Total/NA	Water	9012B	
480-192935-5	PRMW-3S-113021	Total/NA	Water	9012B	
480-192935-6	PRMW-4S-112921	Total/NA	Water	9012B	
480-192935-7	DUP-112921	Total/NA	Water	9012B	
480-192935-8	PRMW-5D-113021	Total/NA	Water	9012B	
480-192935-9	PRMW-5S-113021	Total/NA	Water	9012B	
480-192935-10	PRMW-6D-113021	Total/NA	Water	9012B	
480-192935-11	PRMW-6S-113021	Total/NA	Water	9012B	
480-192935-12	TMW-1D-113021	Total/NA	Water	9012B	
480-192935-13	EB-120121	Total/NA	Water	9012B	
MB 480-607390/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-607390/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-607390/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-192935-2 MS	PRMW-2D-113021	Total/NA	Water	9012B	
480-192935-2 MSD	PRMW-2D-113021	Total/NA	Water	9012B	

Analysis Batch: 607418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192935-1	PRMW-1S-112921	Total/NA	Water	9012B	607390
480-192935-2	PRMW-2D-113021	Total/NA	Water	9012B	607390
480-192935-3	PRMW-2S-113021	Total/NA	Water	9012B	607390
480-192935-4	PRMW-3D-113021	Total/NA	Water	9012B	607390
480-192935-5	PRMW-3S-113021	Total/NA	Water	9012B	607390
480-192935-6	PRMW-4S-112921	Total/NA	Water	9012B	607390
480-192935-7	DUP-112921	Total/NA	Water	9012B	607390
480-192935-8	PRMW-5D-113021	Total/NA	Water	9012B	607390
480-192935-9	PRMW-5S-113021	Total/NA	Water	9012B	607390
480-192935-10	PRMW-6D-113021	Total/NA	Water	9012B	607390
480-192935-11	PRMW-6S-113021	Total/NA	Water	9012B	607390
480-192935-12	TMW-1D-113021	Total/NA	Water	9012B	607390
480-192935-13	EB-120121	Total/NA	Water	9012B	607390
MB 480-607390/1-A	Method Blank	Total/NA	Water	9012B	607390
LCS 480-607390/2-A	Lab Control Sample	Total/NA	Water	9012B	607390

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

General Chemistry (Continued)

Analysis Batch: 607418 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-607390/3-A	Lab Control Sample	Total/NA	Water	9012B	607390
480-192935-2 MS	PRMW-2D-113021	Total/NA	Water	9012B	607390
480-192935-2 MSD	PRMW-2D-113021	Total/NA	Water	9012B	607390

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-1S-112921

Lab Sample ID: 480-192935-1

Date Collected: 11/29/21 15:35

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 00:22	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 14:21	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 13:58	RJM	TAL BUF

Client Sample ID: PRMW-2D-113021

Lab Sample ID: 480-192935-2

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 00:45	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 13:53	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 13:54	RJM	TAL BUF

Client Sample ID: PRMW-2S-113021

Lab Sample ID: 480-192935-3

Date Collected: 11/30/21 10:10

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 01:08	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 14:48	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 13:59	RJM	TAL BUF

Client Sample ID: PRMW-3D-113021

Lab Sample ID: 480-192935-4

Date Collected: 11/30/21 11:35

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 01:31	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 15:15	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:01	RJM	TAL BUF

Client Sample ID: PRMW-3S-113021

Lab Sample ID: 480-192935-5

Date Collected: 11/30/21 12:15

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 01:54	CRL	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-3S-113021

Lab Sample ID: 480-192935-5

Date Collected: 11/30/21 12:15

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 15:43	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:02	RJM	TAL BUF

Client Sample ID: PRMW-4S-112921

Lab Sample ID: 480-192935-6

Date Collected: 11/29/21 14:55

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 02:17	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 16:10	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:04	RJM	TAL BUF

Client Sample ID: DUP-112921

Lab Sample ID: 480-192935-7

Date Collected: 11/29/21 14:55

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 02:40	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 16:37	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:05	RJM	TAL BUF

Client Sample ID: PRMW-5D-113021

Lab Sample ID: 480-192935-8

Date Collected: 11/30/21 10:30

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 03:03	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 17:04	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:07	RJM	TAL BUF

Client Sample ID: PRMW-5S-113021

Lab Sample ID: 480-192935-9

Date Collected: 11/30/21 11:25

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 03:26	CRL	TAL BUF

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-5S-113021

Lab Sample ID: 480-192935-9

Date Collected: 11/30/21 11:25

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 17:32	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:08	RJM	TAL BUF

Client Sample ID: PRMW-6D-113021

Lab Sample ID: 480-192935-10

Date Collected: 11/30/21 08:35

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 03:50	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 17:59	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:09	RJM	TAL BUF

Client Sample ID: PRMW-6S-113021

Lab Sample ID: 480-192935-11

Date Collected: 11/30/21 09:35

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 04:13	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 18:26	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:11	RJM	TAL BUF

Client Sample ID: TMW-1D-113021

Lab Sample ID: 480-192935-12

Date Collected: 11/30/21 12:25

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 04:36	CRL	TAL BUF
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 18:53	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:12	RJM	TAL BUF

Client Sample ID: EB-120121

Lab Sample ID: 480-192935-13

Date Collected: 12/01/21 13:00

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 04:59	CRL	TAL BUF

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: EB-120121

Lab Sample ID: 480-192935-13

Date Collected: 12/01/21 13:00

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			607419	12/02/21 14:29	ADH	TAL BUF
Total/NA	Analysis	8270D		1	607479	12/03/21 19:21	JMM	TAL BUF
Total/NA	Prep	9012B			607390	12/02/21 12:47	RJM	TAL BUF
Total/NA	Analysis	9012B		1	607418	12/02/21 14:14	RJM	TAL BUF

Client Sample ID: TB-1-120121

Lab Sample ID: 480-192935-14

Date Collected: 11/30/21 00:00

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 05:22	CRL	TAL BUF

Client Sample ID: TB-2-120121

Lab Sample ID: 480-192935-15

Date Collected: 11/30/21 00:00

Matrix: Water

Date Received: 12/02/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607406	12/03/21 05:45	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method 8260C

Volatile Organic Compounds (GC/MS)
by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): ZB-624 (20) ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
PRMW-1S-112921	480-192935-1	98	97	97	99
PRMW-2D-113021	480-192935-2	104	99	97	97
PRMW-2S-113021	480-192935-3	104	95	96	101
PRMW-3D-113021	480-192935-4	99	95	96	95
PRMW-3S-113021	480-192935-5	96	92	98	96
PRMW-4S-112921	480-192935-6	102	98	94	97
DUP-112921	480-192935-7	100	97	94	97
PRMW-5D-113021	480-192935-8	101	98	99	100
PRMW-5S-113021	480-192935-9	100	96	99	105
PRMW-6D-113021	480-192935-10	105	101	97	99
PRMW-6S-113021	480-192935-11	103	99	97	97
TMW-1D-113021	480-192935-12	104	99	98	98
EB-120121	480-192935-13	105	92	96	94
TB-1-120121	480-192935-14	98	93	97	99
TB-2-120121	480-192935-15	107	100	98	97
	MB 480-607406/7	100	94	98	99
	LCS 480-607406/5	97	91	97	104
PRMW-2D-113021 MS	480-192935-2 MS	101	92	102	100
PRMW-2D-113021 MSD	480-192935-2 MSD	101	95	99	102

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
75-123
77-120
80-120
73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N9817.D
Lab ID: LCS 480-607406/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	24.7	99	71-124	
Ethylbenzene	25.0	25.2	101	77-123	
Toluene	25.0	24.5	98	80-122	
Xylenes, Total	50.0	49.5	99	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: N9835.D

Lab ID: 480-192935-2 MS Client ID: PRMW-2D-113021 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	25.0	ND	28.1	112	71-124	
Ethylbenzene	25.0	ND	28.3	113	77-123	
Toluene	25.0	ND	27.3	109	80-122	
Xylenes, Total	50.0	ND	56.7	113	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: N9836.D

Lab ID: 480-192935-2 MSD Client ID: PRMW-2D-113021 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	25.0	29.6	119	5	13	71-124	
Ethylbenzene	25.0	28.5	114	1	15	77-123	
Toluene	25.0	27.6	110	1	15	80-122	
Xylenes, Total	50.0	55.2	110	3	16	76-122	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Lab File ID: N9819.D Lab Sample ID: MB 480-607406/7
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973N Date Analyzed: 12/02/2021 23:59
 GC Column: ZB-624 (20) ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-607406/5	N9817.D	12/02/2021 23:13
PRMW-1S-112921	480-192935-1	N9820.D	12/03/2021 00:22
PRMW-2D-113021	480-192935-2	N9821.D	12/03/2021 00:45
PRMW-2S-113021	480-192935-3	N9822.D	12/03/2021 01:08
PRMW-3D-113021	480-192935-4	N9823.D	12/03/2021 01:31
PRMW-3S-113021	480-192935-5	N9824.D	12/03/2021 01:54
PRMW-4S-112921	480-192935-6	N9825.D	12/03/2021 02:17
DUP-112921	480-192935-7	N9826.D	12/03/2021 02:40
PRMW-5D-113021	480-192935-8	N9827.D	12/03/2021 03:03
PRMW-5S-113021	480-192935-9	N9828.D	12/03/2021 03:26
PRMW-6D-113021	480-192935-10	N9829.D	12/03/2021 03:50
PRMW-6S-113021	480-192935-11	N9830.D	12/03/2021 04:13
TMW-1D-113021	480-192935-12	N9831.D	12/03/2021 04:36
EB-120121	480-192935-13	N9832.D	12/03/2021 04:59
TB-1-120121	480-192935-14	N9833.D	12/03/2021 05:22
TB-2-120121	480-192935-15	N9834.D	12/03/2021 05:45
PRMW-2D-113021 MS	480-192935-2 MS	N9835.D	12/03/2021 06:08
PRMW-2D-113021 MSD	480-192935-2 MSD	N9836.D	12/03/2021 06:30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG No.: _____
Lab File ID: N9182.D BFB Injection Date: 11/16/2021
Instrument ID: HP5973N BFB Injection Time: 17:23
Analysis Batch No.: 605236

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	31.7
75	30.0 - 60.0 % of mass 95	54.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.3
173	Less than 2.0 % of mass 174	1.0 (1.3) 1
174	Greater than 50% of mass 95	79.5
175	5.0 - 9.0 % of mass 174	6.1 (7.7) 1
176	95.0 - 101.0 % of mass 174	79.7 (100.3) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-605236/5	N9184.D	11/16/2021	18:11
	IC 480-605236/6	N9185.D	11/16/2021	18:34
	IC 480-605236/7	N9186.D	11/16/2021	18:57
	IC 480-605236/8	N9187.D	11/16/2021	19:20
	IC 480-605236/9	N9188.D	11/16/2021	19:43
	ICIS 480-605236/10	N9189.D	11/16/2021	20:06
	IC 480-605236/11	N9190.D	11/16/2021	20:29
	IC 480-605236/12	N9191.D	11/16/2021	20:52
	ICV 480-605236/26	N9205.D	11/17/2021	2:14

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG No.: _____
Lab File ID: N9815.D BFB Injection Date: 12/02/2021
Instrument ID: HP5973N BFB Injection Time: 22:27
Analysis Batch No.: 607406

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	30.3
75	30.0 - 60.0 % of mass 95	50.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	Greater than 50% of mass 95	77.7
175	5.0 - 9.0 % of mass 174	5.5 (7.1) 1
176	95.0 - 101.0 % of mass 174	76.5 (98.5) 1
177	5.0 - 9.0 % of mass 176	5.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-607406/4	N9816.D	12/02/2021	22:50
	LCS 480-607406/5	N9817.D	12/02/2021	23:13
	MB 480-607406/7	N9819.D	12/02/2021	23:59
PRMW-1S-112921	480-192935-1	N9820.D	12/03/2021	0:22
PRMW-2D-113021	480-192935-2	N9821.D	12/03/2021	0:45
PRMW-2S-113021	480-192935-3	N9822.D	12/03/2021	1:08
PRMW-3D-113021	480-192935-4	N9823.D	12/03/2021	1:31
PRMW-3S-113021	480-192935-5	N9824.D	12/03/2021	1:54
PRMW-4S-112921	480-192935-6	N9825.D	12/03/2021	2:17
DUP-112921	480-192935-7	N9826.D	12/03/2021	2:40
PRMW-5D-113021	480-192935-8	N9827.D	12/03/2021	3:03
PRMW-5S-113021	480-192935-9	N9828.D	12/03/2021	3:26
PRMW-6D-113021	480-192935-10	N9829.D	12/03/2021	3:50
PRMW-6S-113021	480-192935-11	N9830.D	12/03/2021	4:13
TMW-1D-113021	480-192935-12	N9831.D	12/03/2021	4:36
EB-120121	480-192935-13	N9832.D	12/03/2021	4:59
TB-1-120121	480-192935-14	N9833.D	12/03/2021	5:22
TB-2-120121	480-192935-15	N9834.D	12/03/2021	5:45
PRMW-2D-113021 MS	480-192935-2 MS	N9835.D	12/03/2021	6:08
PRMW-2D-113021 MSD	480-192935-2 MSD	N9836.D	12/03/2021	6:30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Sample No.: ICIS 480-605236/10 Date Analyzed: 11/16/2021 20:06
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N9189.D Heated Purge: (Y/N) N
 Calibration ID: 42737

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	247409	5.33	771512	8.32	398297	10.72	
UPPER LIMIT	494818	5.83	1543024	8.82	796594	11.22	
LOWER LIMIT	123705	4.83	385756	7.82	199149	10.22	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-605236/26		226246	5.34	700517	8.32	354907	10.72
CCVIS 480-607406/4		221884	5.33	746613	8.32	379555	10.72

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Sample No.: CCVIS 480-607406/4 Date Analyzed: 12/02/2021 22:50
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N9816.D Heated Purge: (Y/N) N
 Calibration ID: 42741

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		221884	5.33	746613	8.32	379555	10.72
UPPER LIMIT		443768	5.83	1493226	8.82	759110	11.22
LOWER LIMIT		110942	4.83	373307	7.82	189778	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-607406/5		222413	5.33	745401	8.32	388393	10.72
MB 480-607406/7		198491	5.33	639706	8.32	324757	10.72
480-192935-1	PRMW-1S-112921	205092	5.33	702066	8.32	367602	10.72
480-192935-2	PRMW-2D-113021	195498	5.33	650511	8.32	323024	10.72
480-192935-3	PRMW-2S-113021	199875	5.33	643741	8.32	339958	10.72
480-192935-4	PRMW-3D-113021	201282	5.33	648830	8.32	323236	10.72
480-192935-5	PRMW-3S-113021	198564	5.33	619765	8.32	325784	10.72
480-192935-6	PRMW-4S-112921	194604	5.33	684771	8.32	328764	10.72
480-192935-7	DUP-112921	198236	5.33	684819	8.32	359950	10.72
480-192935-8	PRMW-5D-113021	198114	5.33	669675	8.32	347533	10.72
480-192935-9	PRMW-5S-113021	197452	5.33	633140	8.32	317872	10.72
480-192935-10	PRMW-6D-113021	192666	5.33	653839	8.32	337898	10.72
480-192935-11	PRMW-6S-113021	192100	5.33	632157	8.32	319171	10.72
480-192935-12	TMW-1D-113021	192887	5.33	641162	8.32	327364	10.72
480-192935-13	EB-120121	194243	5.33	652918	8.32	330119	10.72
480-192935-14	TB-1-120121	197685	5.33	624681	8.32	320894	10.72
480-192935-15	TB-2-120121	182993	5.33	595630	8.32	300672	10.72
480-192935-2 MS	PRMW-2D-113021 MS	210357	5.33	707660	8.32	364081	10.72
480-192935-2 MSD	PRMW-2D-113021 MSD	207196	5.33	731261	8.32	369639	10.72

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-1S-112921 Lab Sample ID: 480-192935-1
 Matrix: Water Lab File ID: N9820.D
 Analysis Method: 8260C Date Collected: 11/29/2021 15:35
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 00:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9820.D
 Lims ID: 480-192935-D-1
 Client ID: PRMW-1S-112921
 Sample Type: Client
 Inject. Date: 03-Dec-2021 00:22:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-1
 Misc. Info.: 480-0102839-008
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:53:19 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:53:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	205092	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	702066	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	367602	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	261457	24.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	96	359373	24.2	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	-0.001	96	889271	24.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	251121	24.8	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9820.D

Injection Date: 03-Dec-2021 00:22:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-1

Lab Sample ID: 480-192935-1

Worklist Smp#: 8

Client ID: PRMW-1S-112921

Purge Vol: 5.000 mL

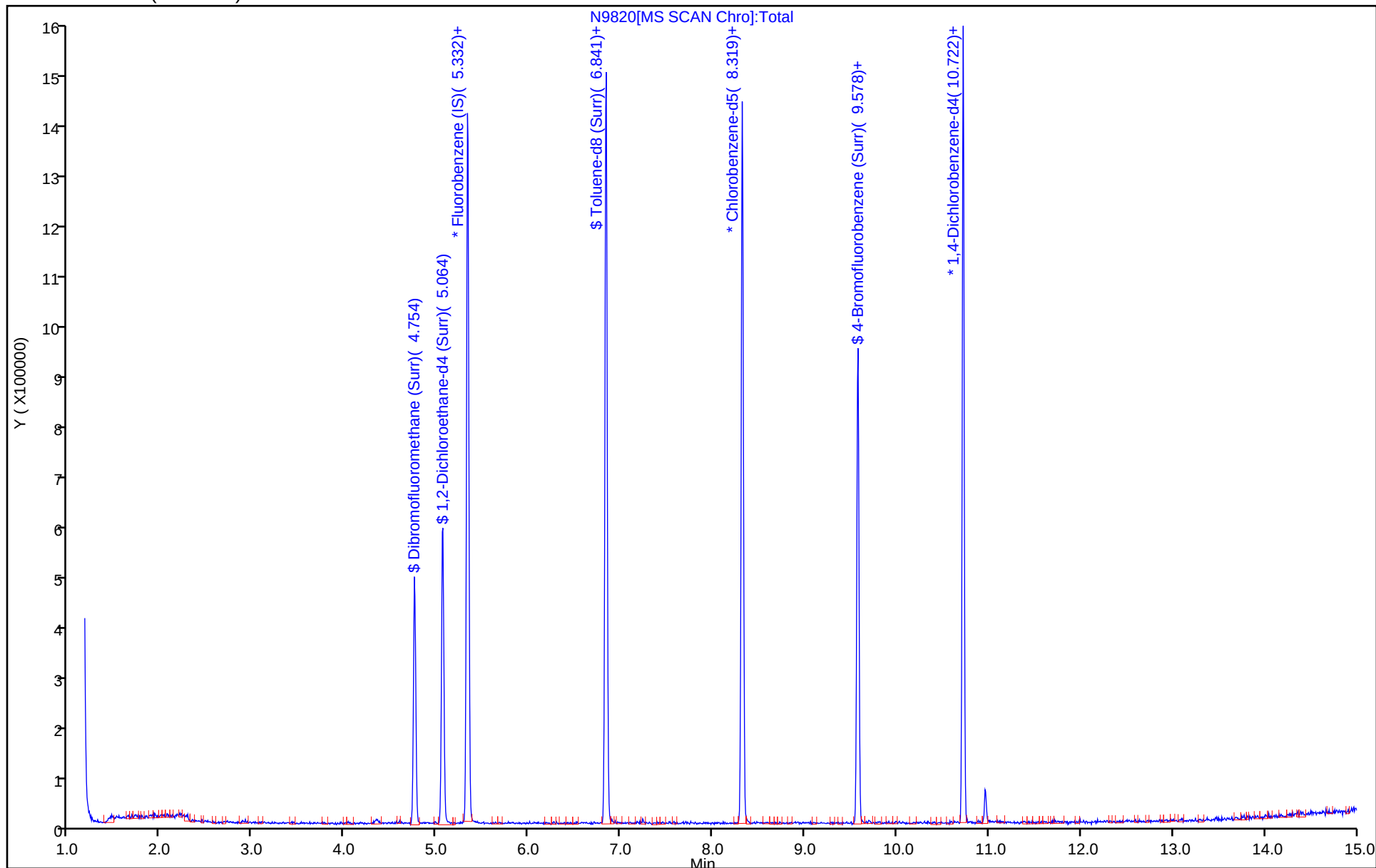
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-2D-113021 Lab Sample ID: 480-192935-2
 Matrix: Water Lab File ID: N9821.D
 Analysis Method: 8260C Date Collected: 11/30/2021 09:00
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 00:45
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9821.D
 Lims ID: 480-192935-D-2
 Client ID: PRMW-2D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 00:45:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-2
 Misc. Info.: 480-0102839-009
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:53:19 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:53:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	195498	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	650511	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	323024	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	93	264294	26.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	98	352586	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	823377	24.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	227941	24.3	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9821.D

Injection Date: 03-Dec-2021 00:45:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-2

Lab Sample ID: 480-192935-2

Worklist Smp#: 9

Client ID: PRMW-2D-113021

Purge Vol: 5.000 mL

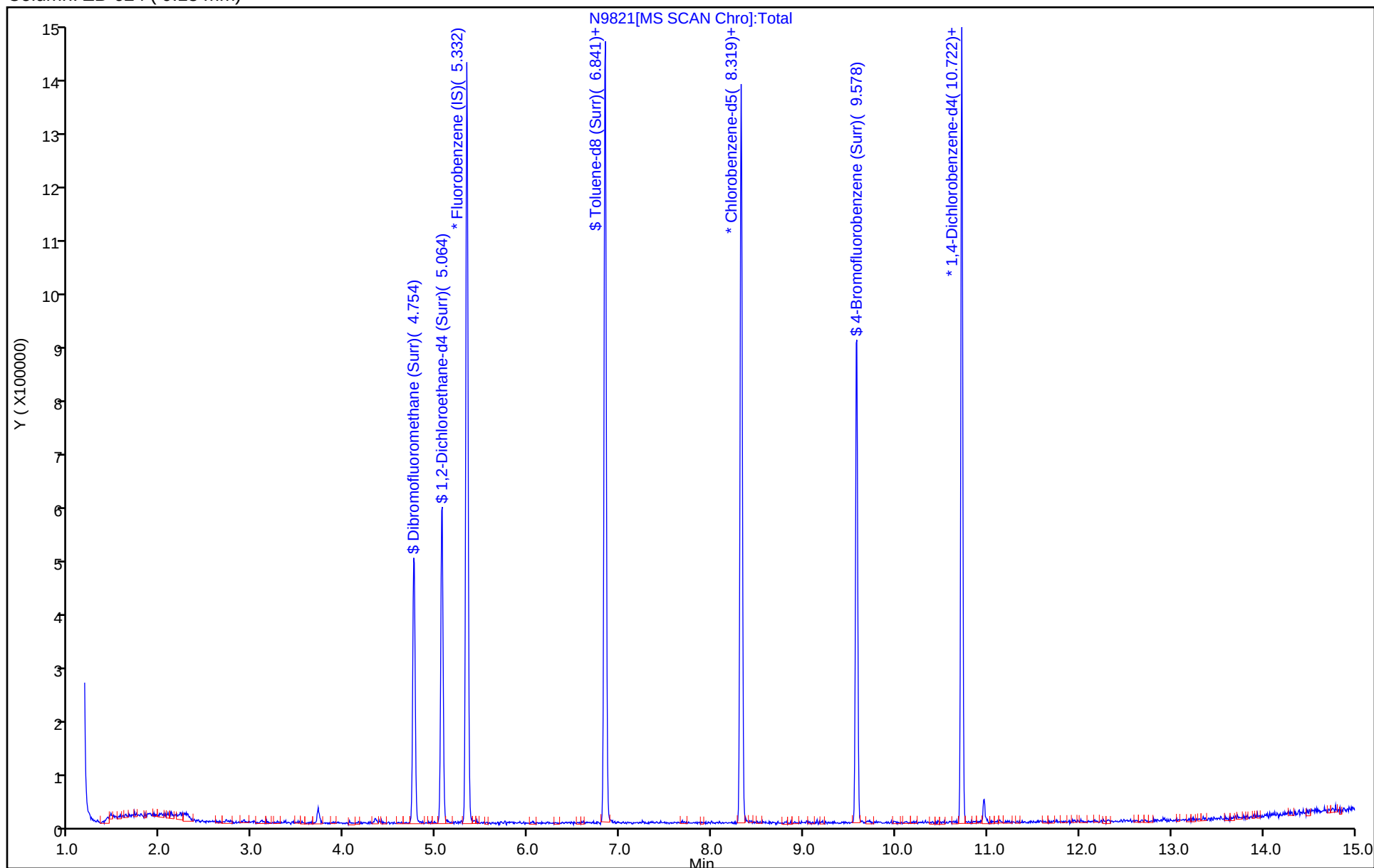
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-2S-113021 Lab Sample ID: 480-192935-3
 Matrix: Water Lab File ID: N9822.D
 Analysis Method: 8260C Date Collected: 11/30/2021 10:10
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 01:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9822.D
 Lims ID: 480-192935-D-3
 Client ID: PRMW-2S-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 01:08:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-3
 Misc. Info.: 480-0102839-010
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:53:19 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:54:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	199875	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	643741	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	339958	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	269737	26.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	97	344352	23.8	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	809139	24.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	235433	25.3	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9822.D

Injection Date: 03-Dec-2021 01:08:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-3

Lab Sample ID: 480-192935-3

Worklist Smp#: 10

Client ID: PRMW-2S-113021

Purge Vol: 5.000 mL

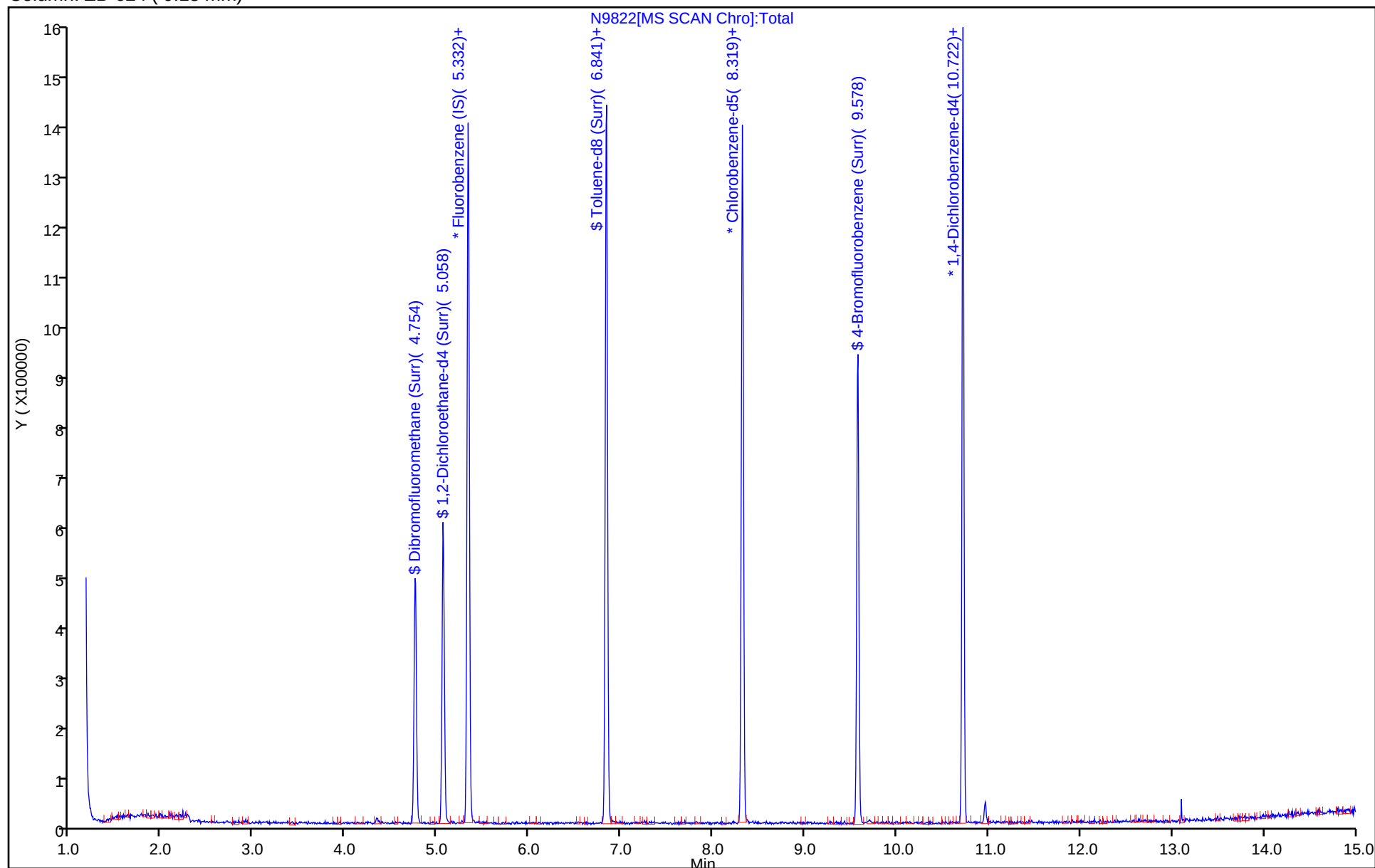
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-3D-113021 Lab Sample ID: 480-192935-4
 Matrix: Water Lab File ID: N9823.D
 Analysis Method: 8260C Date Collected: 11/30/2021 11:35
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 01:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9823.D
 Lims ID: 480-192935-D-4
 Client ID: PRMW-3D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 01:31:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-4
 Misc. Info.: 480-0102839-011
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:53:19 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:54:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	201282	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	648830	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	323236	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	259067	24.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	98	345174	23.6	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	-0.001	96	814933	24.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	222217	23.7	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9823.D

Injection Date: 03-Dec-2021 01:31:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-4

Lab Sample ID: 480-192935-4

Worklist Smp#: 11

Client ID: PRMW-3D-113021

Purge Vol: 5.000 mL

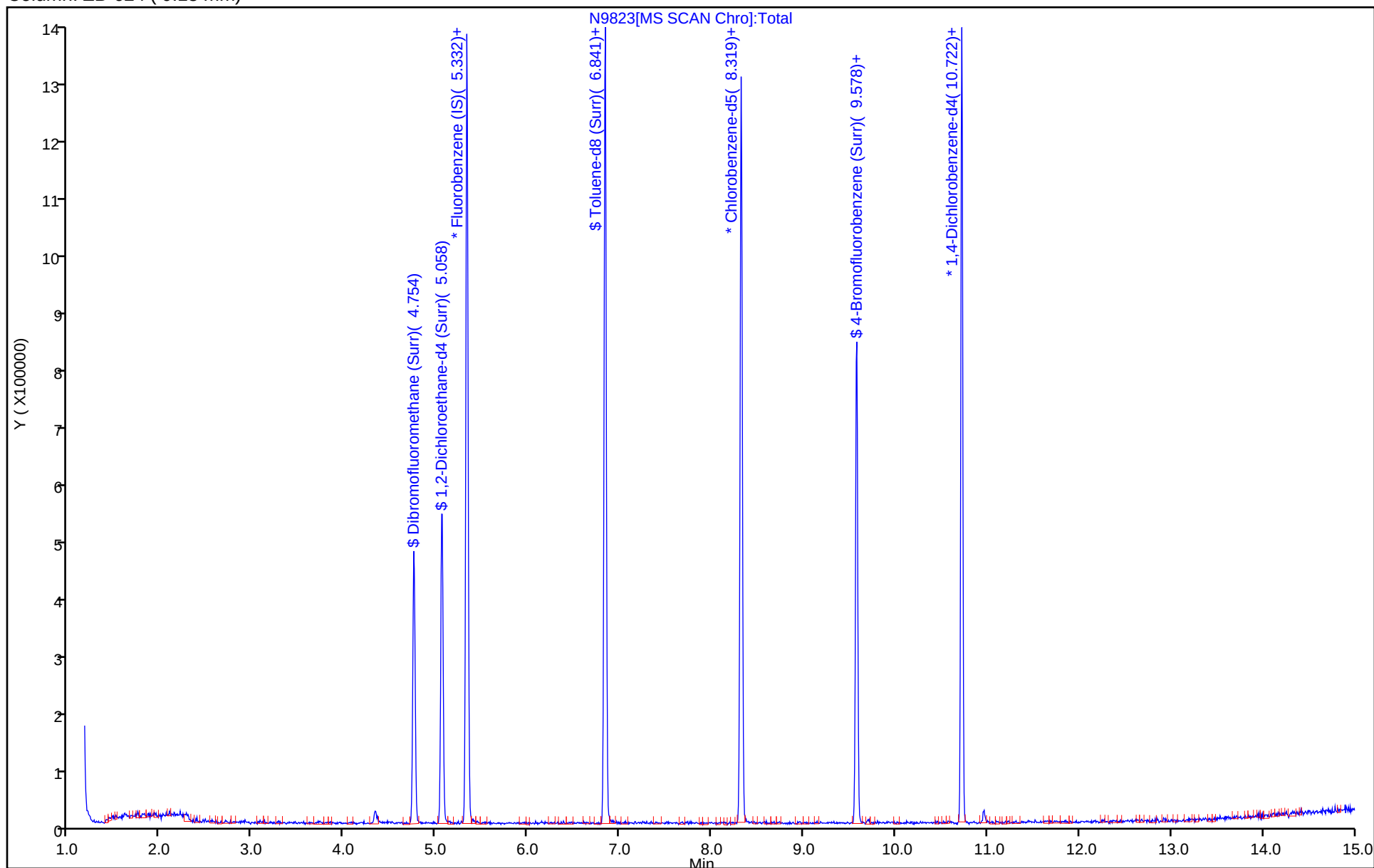
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-3S-113021 Lab Sample ID: 480-192935-5
 Matrix: Water Lab File ID: N9824.D
 Analysis Method: 8260C Date Collected: 11/30/2021 12:15
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 01:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9824.D
 Lims ID: 480-192935-D-5
 Client ID: PRMW-3S-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 01:54:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-5
 Misc. Info.: 480-0102839-012
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:53:19 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:54:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	198564	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	619765	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	325784	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	247787	24.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	97	332756	23.1	
\$ 6 Toluene-d8 (Surr)	98	6.835	6.841	-0.006	96	795968	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	215176	24.0	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9824.D

Injection Date: 03-Dec-2021 01:54:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-5

Lab Sample ID: 480-192935-5

Worklist Smp#: 12

Client ID: PRMW-3S-113021

Purge Vol: 5.000 mL

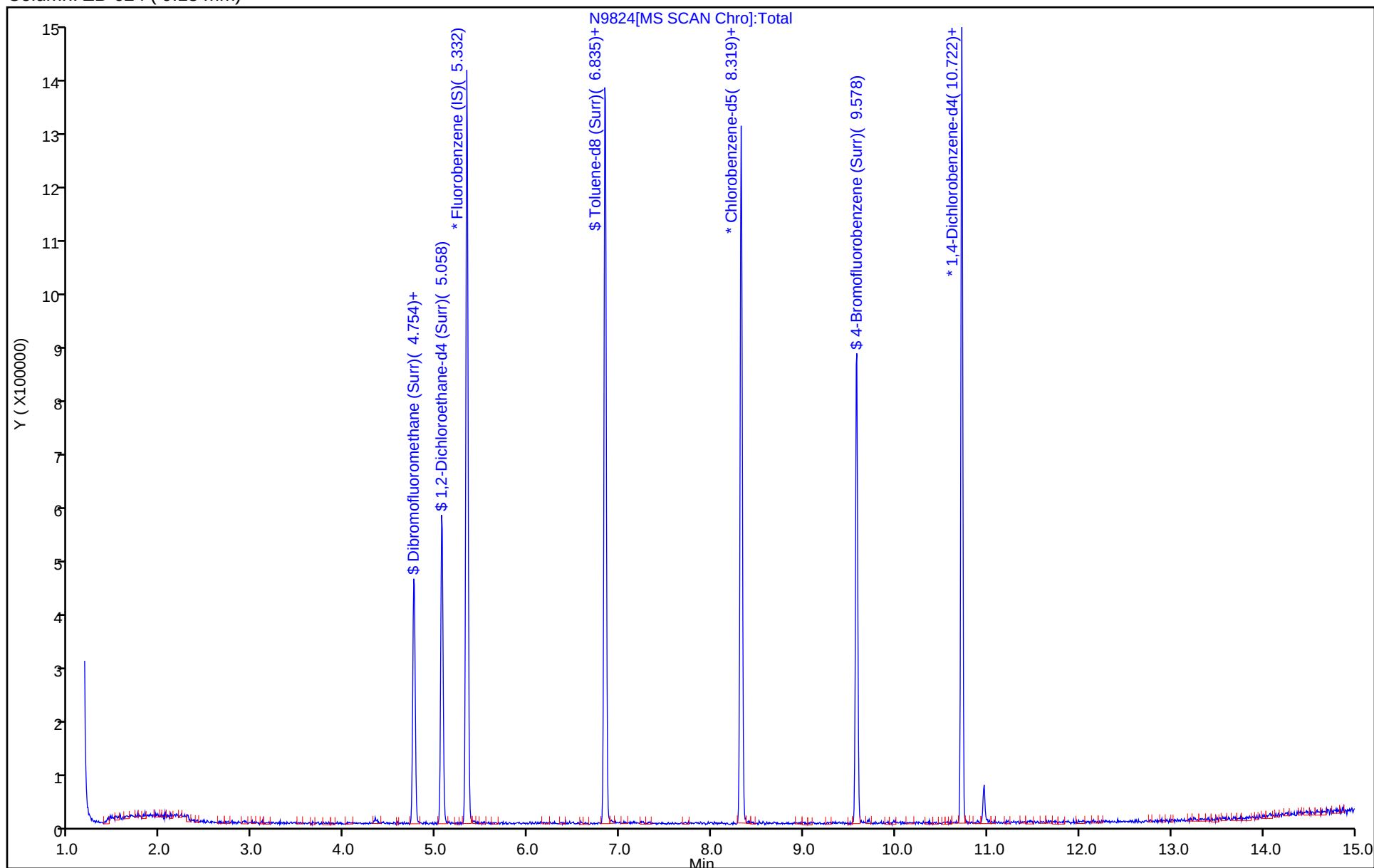
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-4S-112921 Lab Sample ID: 480-192935-6
 Matrix: Water Lab File ID: N9825.D
 Analysis Method: 8260C Date Collected: 11/29/2021 14:55
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 02:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9825.D
 Lims ID: 480-192935-D-6
 Client ID: PRMW-4S-112921
 Sample Type: Client
 Inject. Date: 03-Dec-2021 02:17:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-6
 Misc. Info.: 480-0102839-013
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:53:19 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:54:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	194604	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	684771	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	328764	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	257999	25.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	98	344211	24.4	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	837748	23.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	239344	24.2	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9825.D

Injection Date: 03-Dec-2021 02:17:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-6

Lab Sample ID: 480-192935-6

Worklist Smp#: 13

Client ID: PRMW-4S-112921

Purge Vol: 5.000 mL

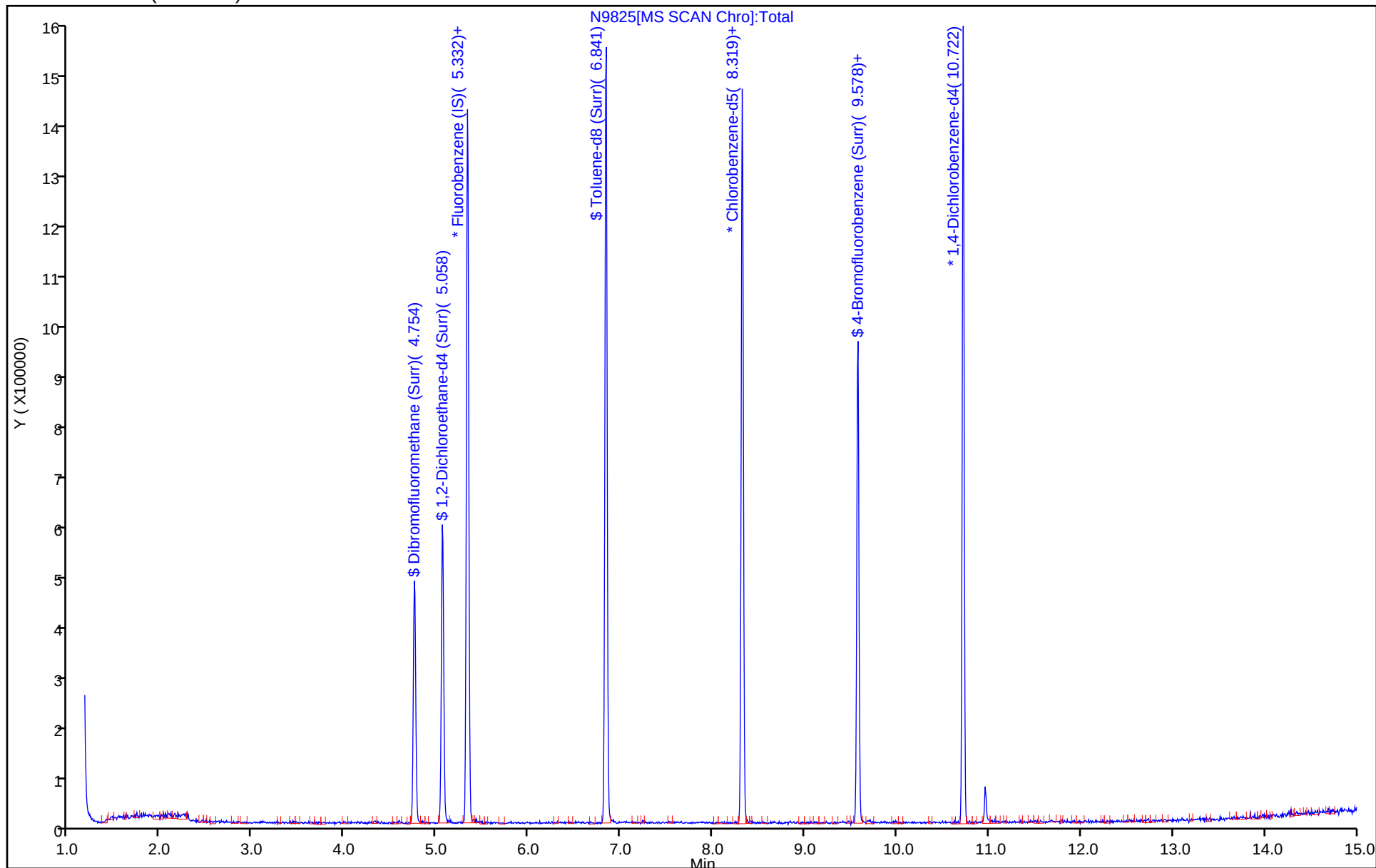
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: DUP-112921 Lab Sample ID: 480-192935-7
 Matrix: Water Lab File ID: N9826.D
 Analysis Method: 8260C Date Collected: 11/29/2021 14:55
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 02:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9826.D
 Lims ID: 480-192935-D-7
 Client ID: DUP-112921
 Sample Type: Client
 Inject. Date: 03-Dec-2021 02:40:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-7
 Misc. Info.: 480-0102839-014
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:53:19 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:54:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	198236	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	684819	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	359950	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	257293	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	98	348006	24.2	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	840685	23.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	240871	24.4	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9826.D

Injection Date: 03-Dec-2021 02:40:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-7

Lab Sample ID: 480-192935-7

Worklist Smp#: 14

Client ID: DUP-112921

Purge Vol: 5.000 mL

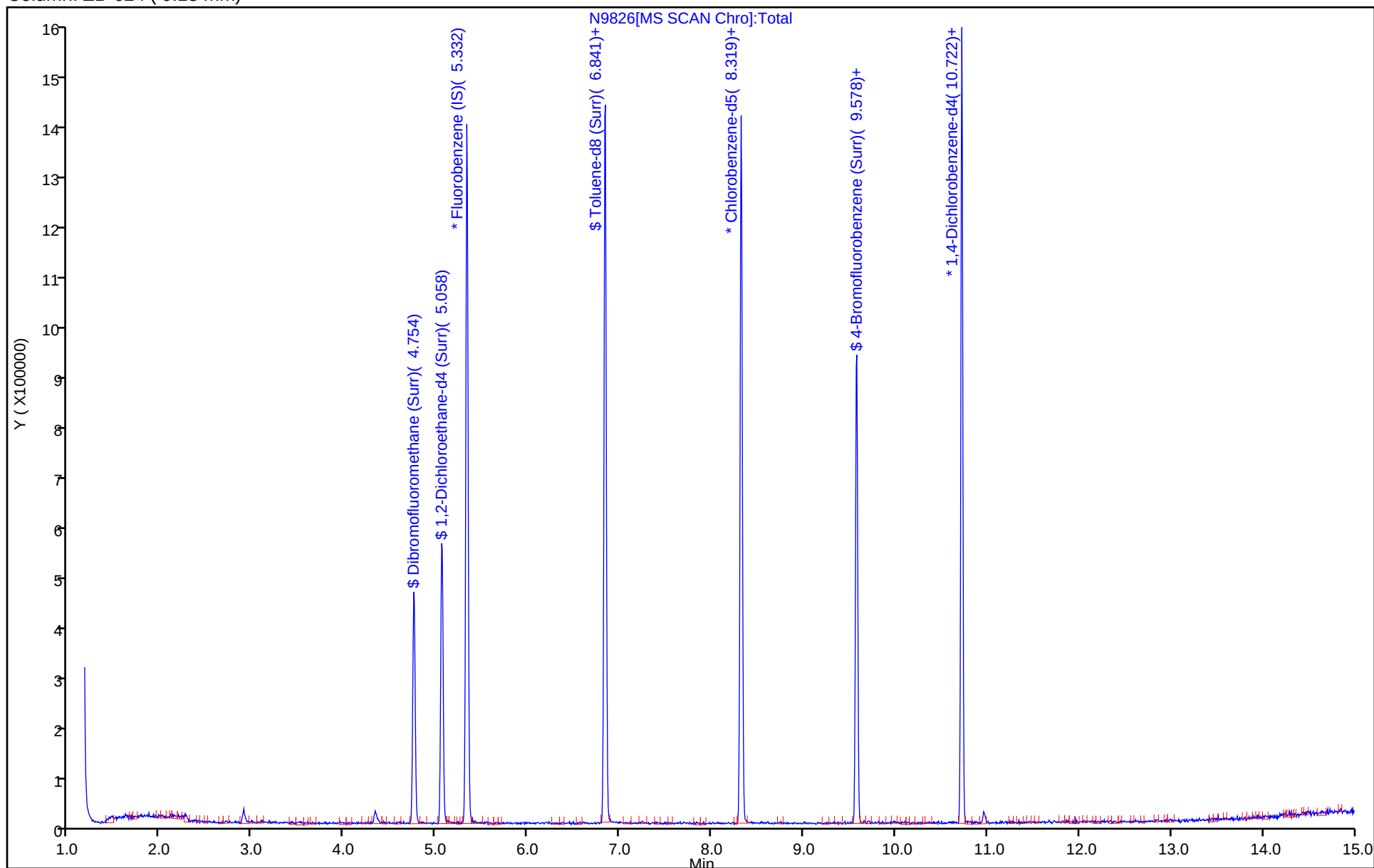
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-5D-113021 Lab Sample ID: 480-192935-8
 Matrix: Water Lab File ID: N9827.D
 Analysis Method: 8260C Date Collected: 11/30/2021 10:30
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 03:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9827.D
 Lims ID: 480-192935-D-8
 Client ID: PRMW-5D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 03:03:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-8
 Misc. Info.: 480-0102839-015
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:55:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	198114	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	669675	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	97	347533	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	258965	25.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	98	352235	24.5	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	862230	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	242378	25.1	
55 Benzene	78		5.064				ND	7
73 Toluene	92		6.902				ND	U
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9827.D

Injection Date: 03-Dec-2021 03:03:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-8

Lab Sample ID: 480-192935-8

Worklist Smp#: 15

Client ID: PRMW-5D-113021

Purge Vol: 5.000 mL

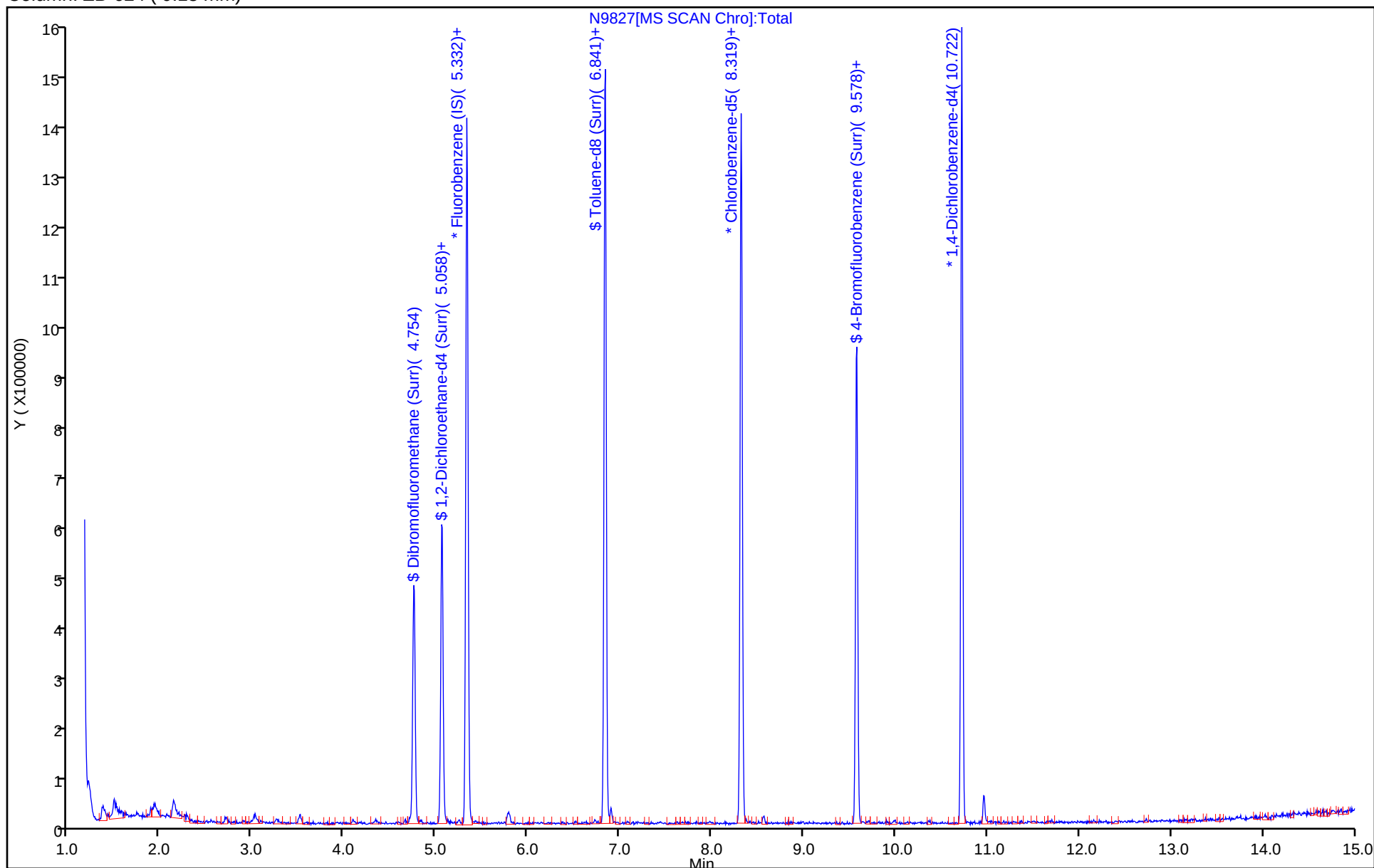
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-5S-113021 Lab Sample ID: 480-192935-9
 Matrix: Water Lab File ID: N9828.D
 Analysis Method: 8260C Date Collected: 11/30/2021 11:25
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 03:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	27		1.0	0.41
100-41-4	Ethylbenzene	5.9		1.0	0.74
108-88-3	Toluene	1.6		1.0	0.51
1330-20-7	Xylenes, Total	6.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9828.D
 Lims ID: 480-192935-D-9
 Client ID: PRMW-5S-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 03:26:30 ALS Bottle#: 16 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-9
 Misc. Info.: 480-0102839-016
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:55:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.326	5.332	-0.006	98	197452	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	633140	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	317872	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	92	256625	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	63	344347	24.0	
\$ 6 Toluene-d8 (Surr)	98	6.835	6.841	-0.006	96	818190	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	240544	26.3	
55 Benzene	78	5.064	5.064	0.000	92	1154205	26.8	
73 Toluene	92	6.902	6.902	0.000	95	40967	1.61	
88 Ethylbenzene	91	8.441	8.441	0.000	98	265531	5.92	
90 m-Xylene & p-Xylene	106	8.568	8.562	0.006	96	28050	1.60	
91 o-Xylene	106	8.988	8.988	0.000	99	93590	4.99	
S 126 Xylenes, Total	1				0		6.59	

QC Flag Legend

Processing Flags

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9828.D

Injection Date: 03-Dec-2021 03:26:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-9

Lab Sample ID: 480-192935-9

Worklist Smp#: 16

Client ID: PRMW-5S-113021

Purge Vol: 5.000 mL

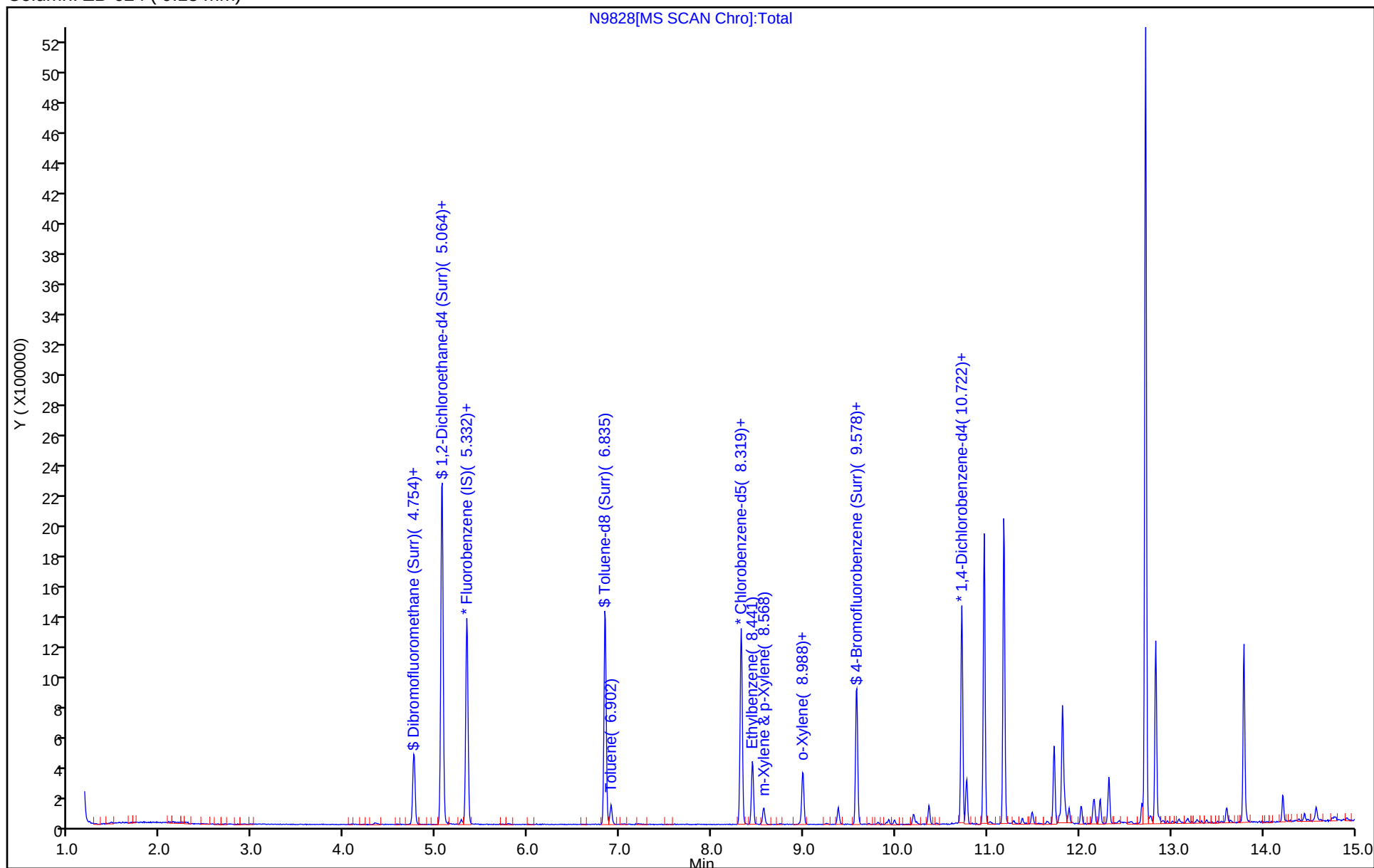
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9828.D

Injection Date: 03-Dec-2021 03:26:30

Instrument ID: HP5973N

Lims ID: 480-192935-D-9

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: wd

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

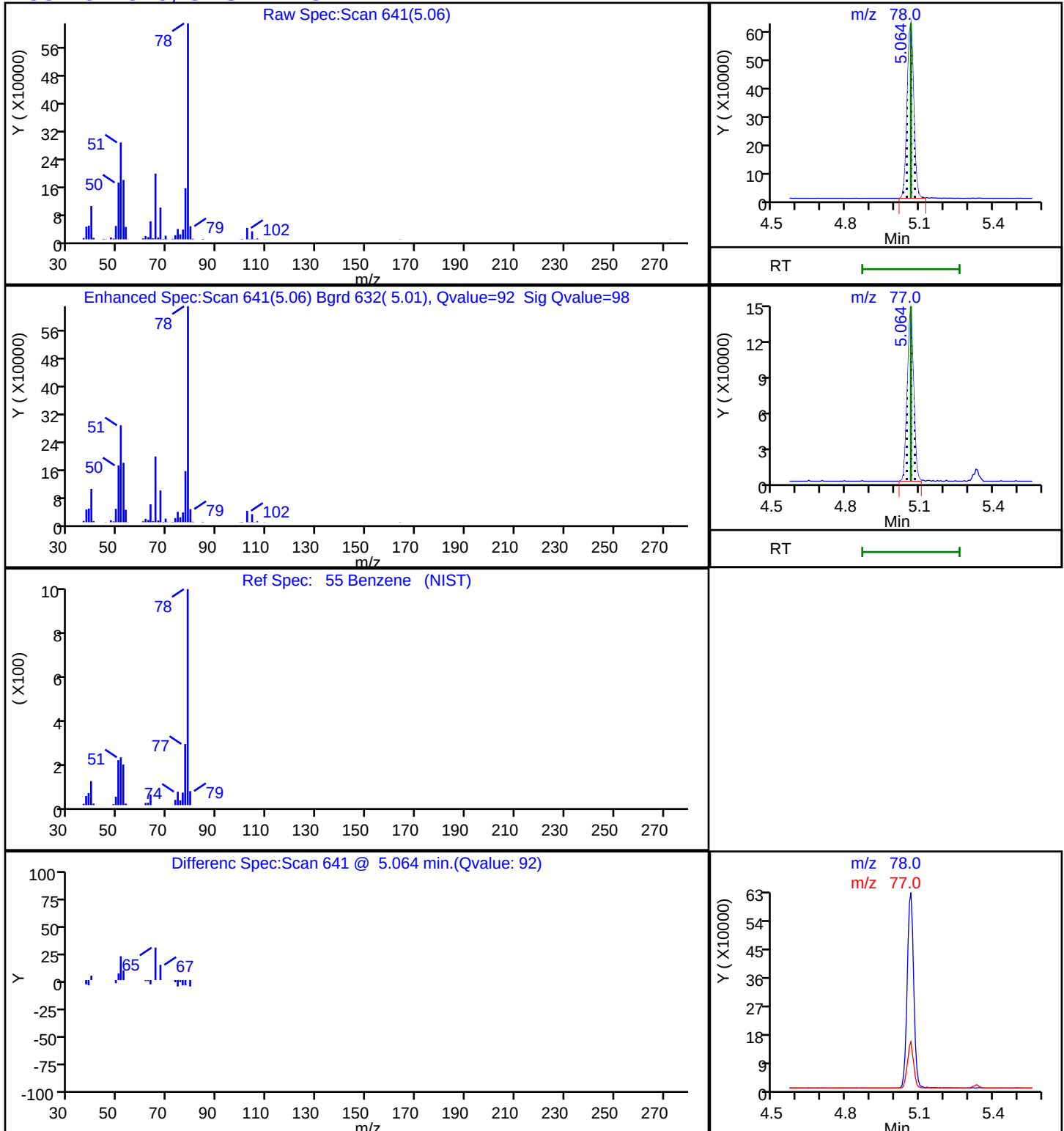
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

55 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9828.D

Injection Date: 03-Dec-2021 03:26:30

Instrument ID: HP5973N

Lims ID: 480-192935-D-9

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: wd

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

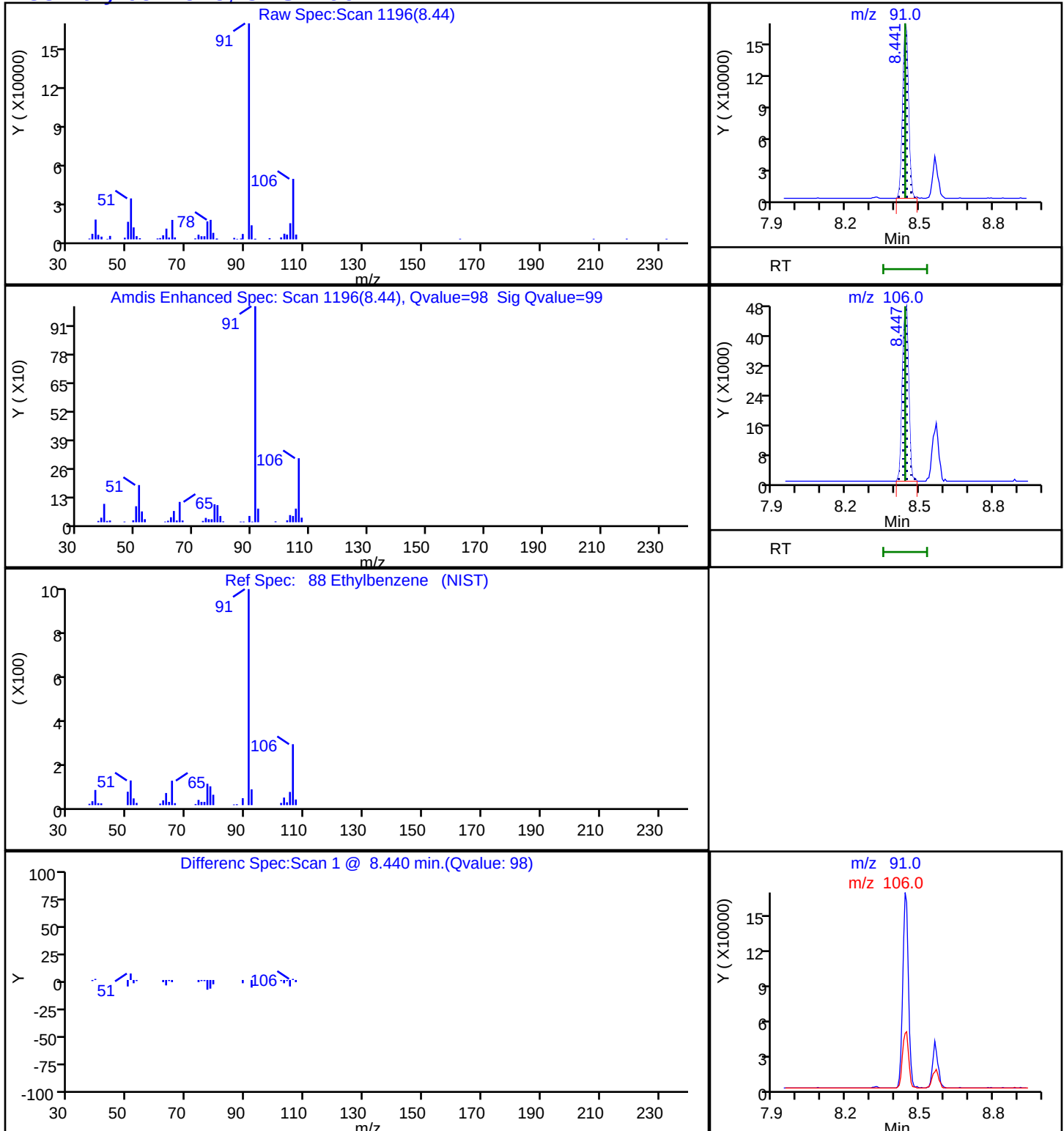
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9828.D

Injection Date: 03-Dec-2021 03:26:30

Instrument ID: HP5973N

Lims ID: 480-192935-D-9

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: wd

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

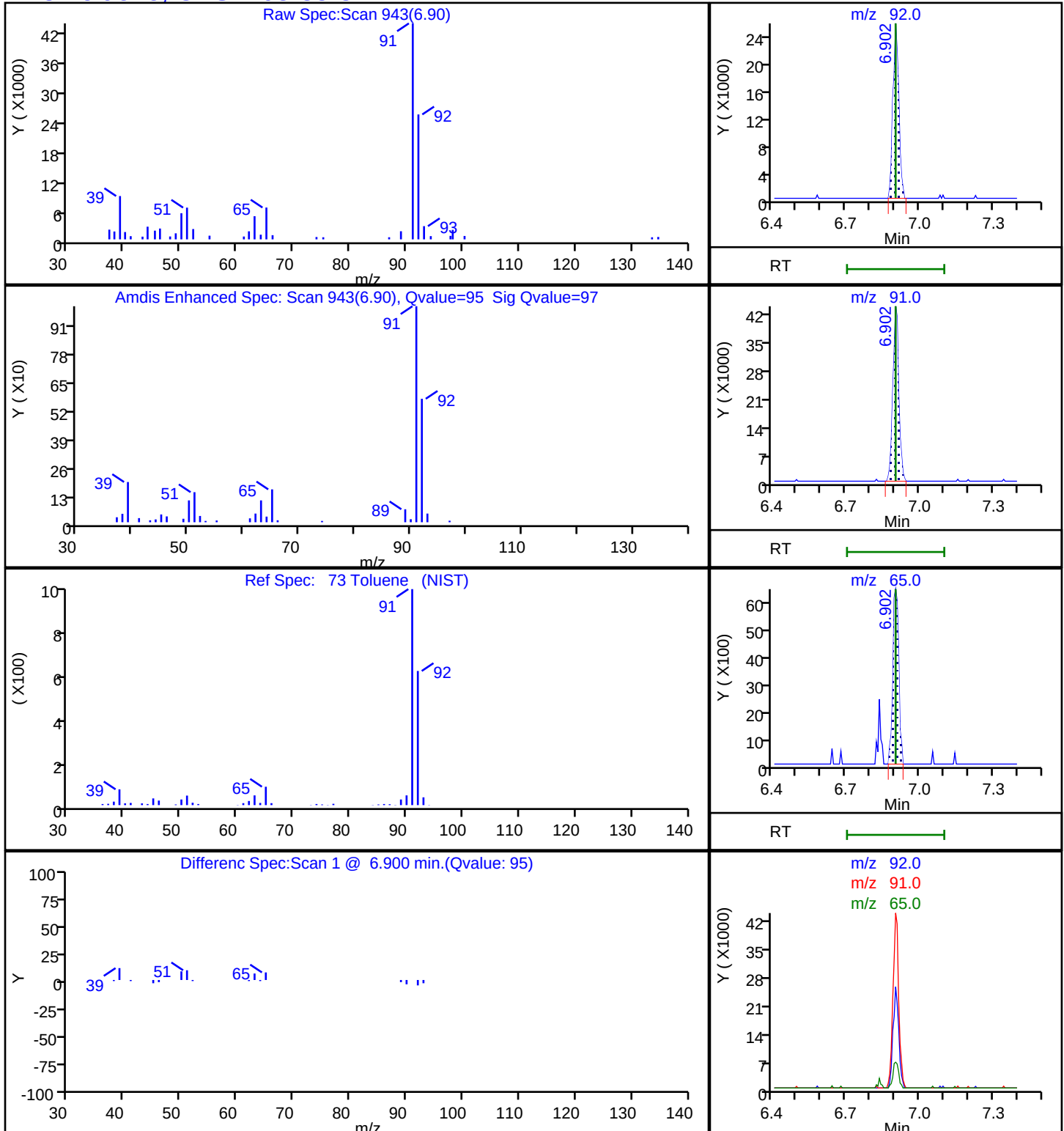
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

73 Toluene, CAS: 108-88-3

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9828.D

Injection Date: 03-Dec-2021 03:26:30

Instrument ID: HP5973N

Lims ID: 480-192935-D-9

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: wd

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

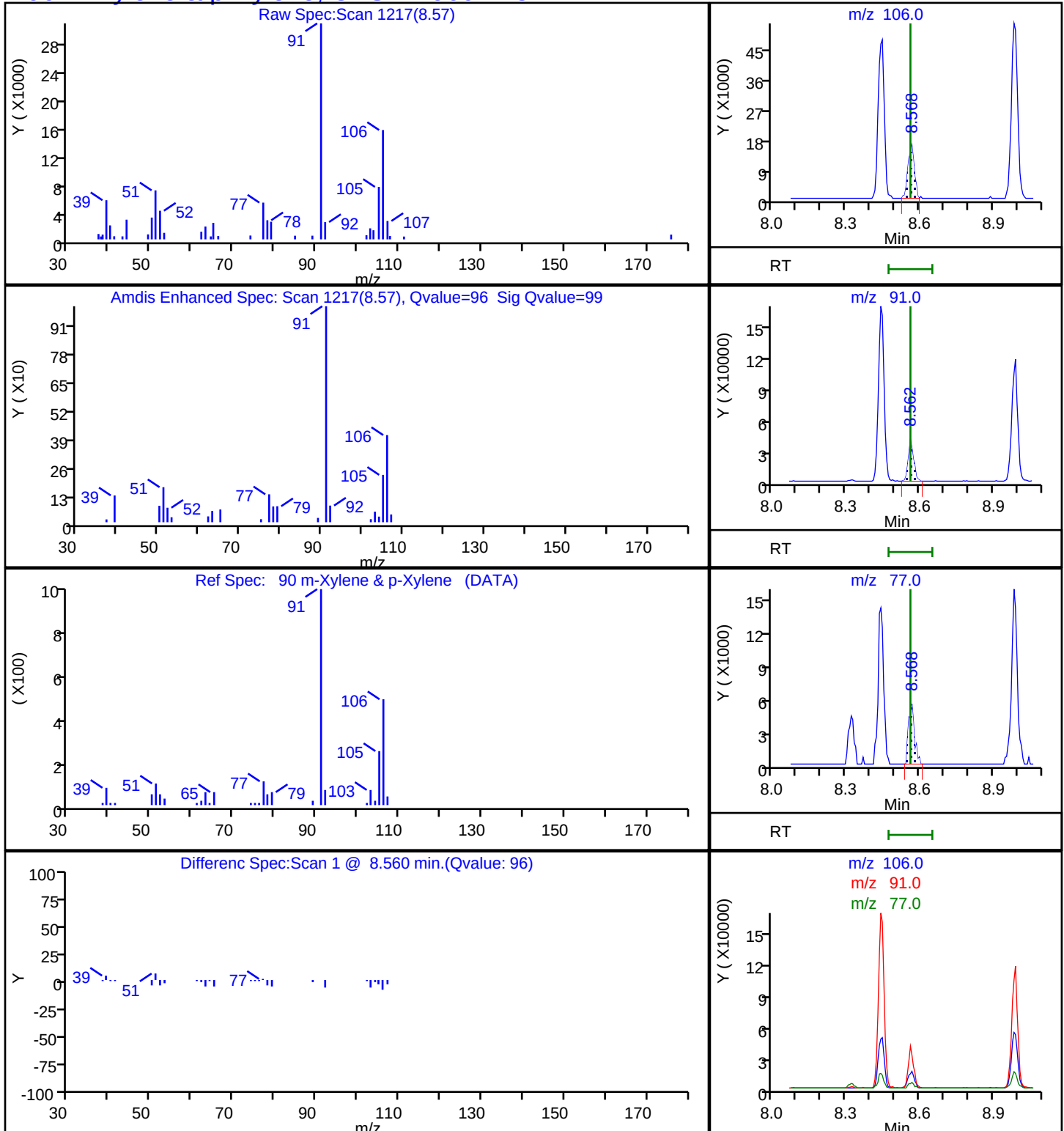
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9828.D

Injection Date: 03-Dec-2021 03:26:30

Instrument ID: HP5973N

Lims ID: 480-192935-D-9

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: wd

ALS Bottle#: 16

Worklist Smp#: 16

Purge Vol: 5.000 mL

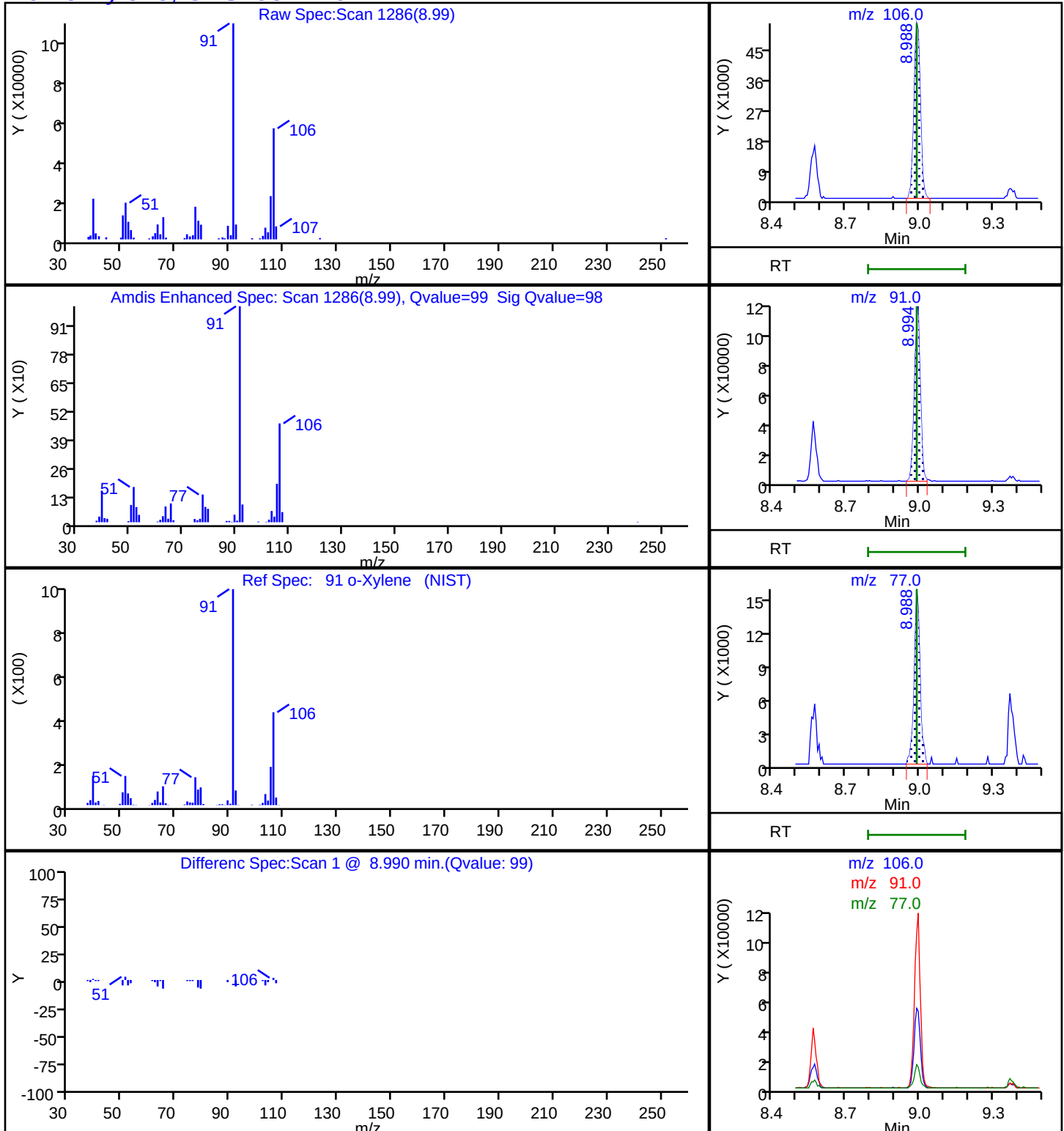
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-6D-113021 Lab Sample ID: 480-192935-10
 Matrix: Water Lab File ID: N9829.D
 Analysis Method: 8260C Date Collected: 11/30/2021 08:35
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 03:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9829.D
 Lims ID: 480-192935-D-10
 Client ID: PRMW-6D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 03:50:30 ALS Bottle#: 17 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-10
 Misc. Info.: 480-0102839-017
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:55:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	192666	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	653839	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	337898	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	263387	26.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	97	352084	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	-0.001	96	825246	24.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	90	234343	24.8	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9829.D

Injection Date: 03-Dec-2021 03:50:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-10

Lab Sample ID: 480-192935-10

Worklist Smp#: 17

Client ID: PRMW-6D-113021

Purge Vol: 5.000 mL

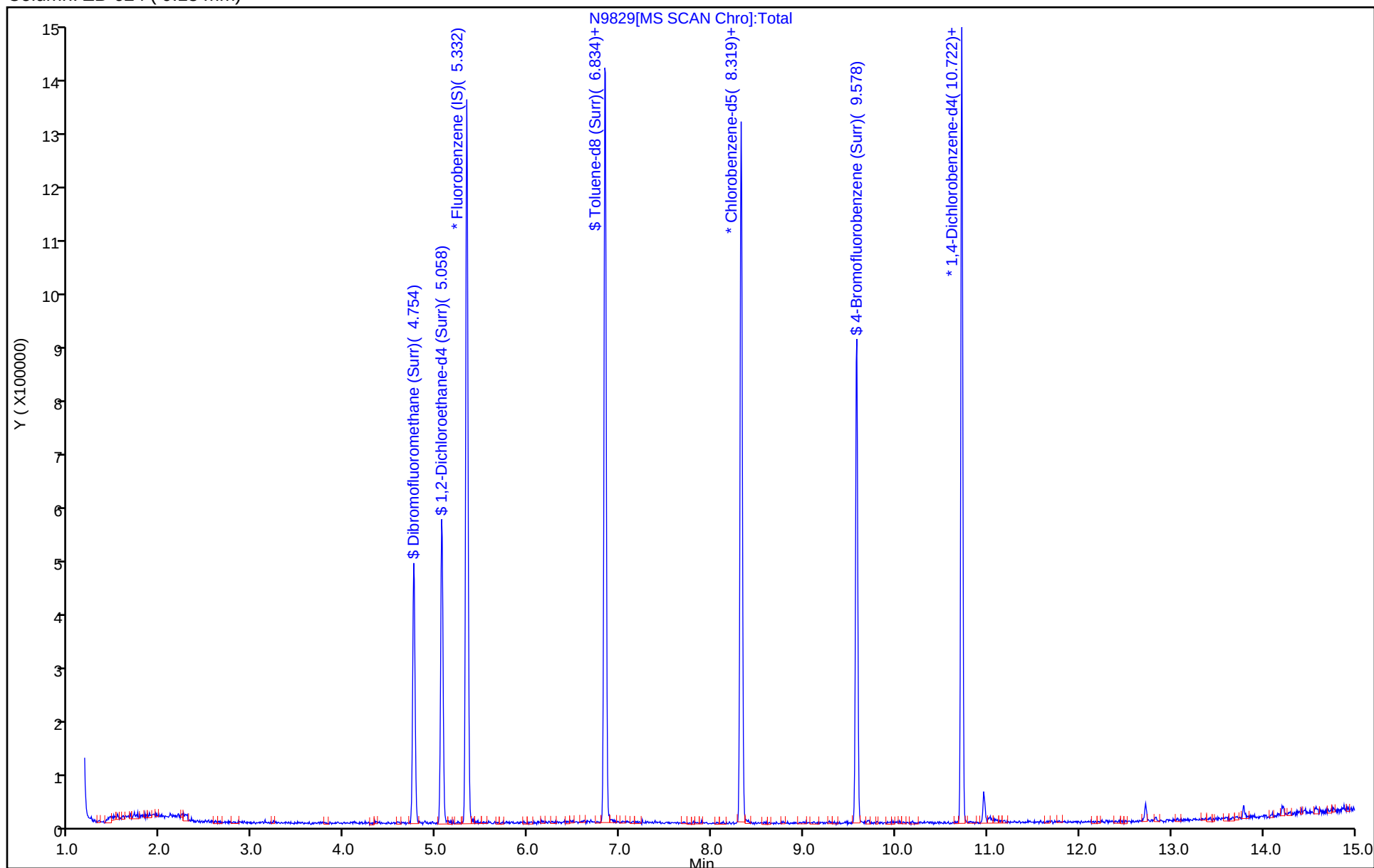
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-6S-113021 Lab Sample ID: 480-192935-11
 Matrix: Water Lab File ID: N9830.D
 Analysis Method: 8260C Date Collected: 11/30/2021 09:35
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 04:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9830.D
 Lims ID: 480-192935-D-11
 Client ID: PRMW-6S-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 04:13:30 ALS Bottle#: 18 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-11
 Misc. Info.: 480-0102839-018
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:56:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	192100	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	632157	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	319171	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	255745	25.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	98	343492	24.7	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	802338	24.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	221313	24.2	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9830.D

Injection Date: 03-Dec-2021 04:13:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-11

Lab Sample ID: 480-192935-11

Worklist Smp#: 18

Client ID: PRMW-6S-113021

Purge Vol: 5.000 mL

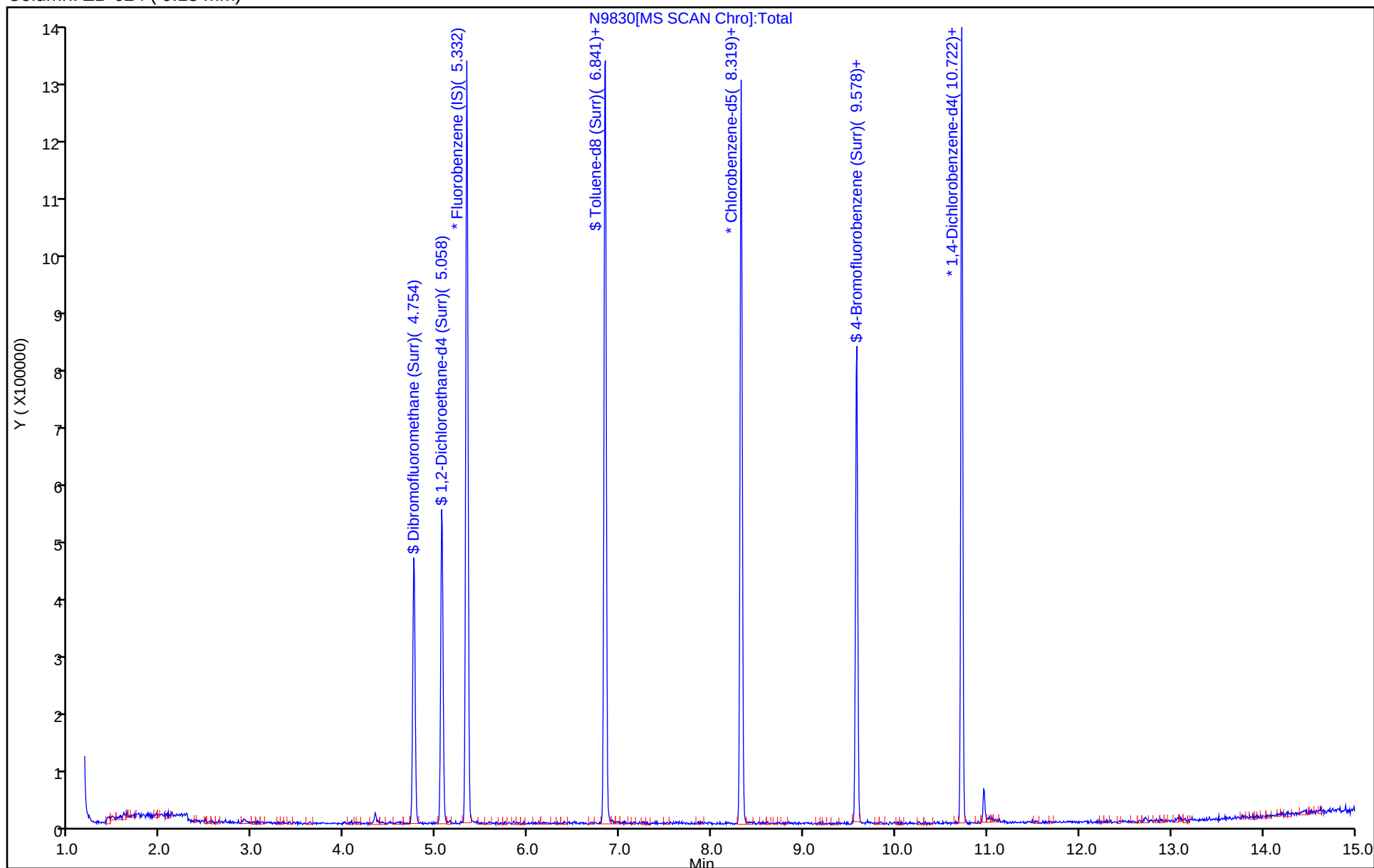
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: TMW-1D-113021 Lab Sample ID: 480-192935-12
 Matrix: Water Lab File ID: N9831.D
 Analysis Method: 8260C Date Collected: 11/30/2021 12:25
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 04:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9831.D
 Lims ID: 480-192935-D-12
 Client ID: TMW-1D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 04:36:30 ALS Bottle#: 19 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-12
 Misc. Info.: 480-0102839-019
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:56:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	192887	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	641162	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	327364	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	93	261341	26.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	98	344455	24.6	
\$ 6 Toluene-d8 (Surr)	98	6.840	6.841	-0.001	96	817557	24.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	90	227049	24.5	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9831.D

Injection Date: 03-Dec-2021 04:36:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-12

Lab Sample ID: 480-192935-12

Worklist Smp#: 19

Client ID: TMW-1D-113021

Purge Vol: 5.000 mL

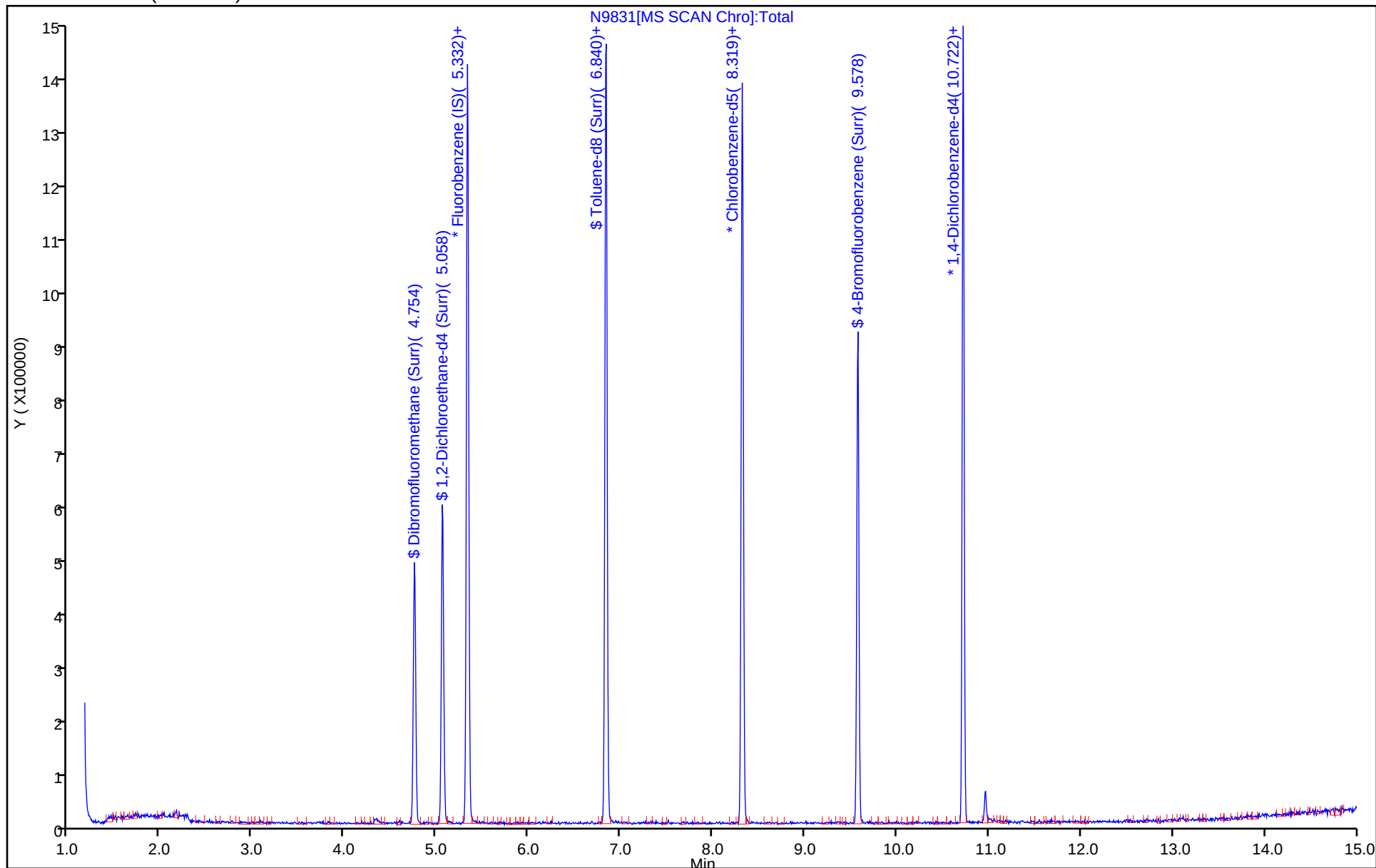
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: EB-120121 Lab Sample ID: 480-192935-13
 Matrix: Water Lab File ID: N9832.D
 Analysis Method: 8260C Date Collected: 12/01/2021 13:00
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 04:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9832.D
 Lims ID: 480-192935-D-13
 Client ID: EB-120121
 Sample Type: Client
 Inject. Date: 03-Dec-2021 04:59:30 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-13
 Misc. Info.: 480-0102839-020
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:56:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	194243	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	652918	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	330119	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	264239	26.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	97	324359	23.0	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	814827	23.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	222672	23.6	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9832.D

Injection Date: 03-Dec-2021 04:59:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-13

Lab Sample ID: 480-192935-13

Worklist Smp#: 20

Client ID: EB-120121

Purge Vol: 5.000 mL

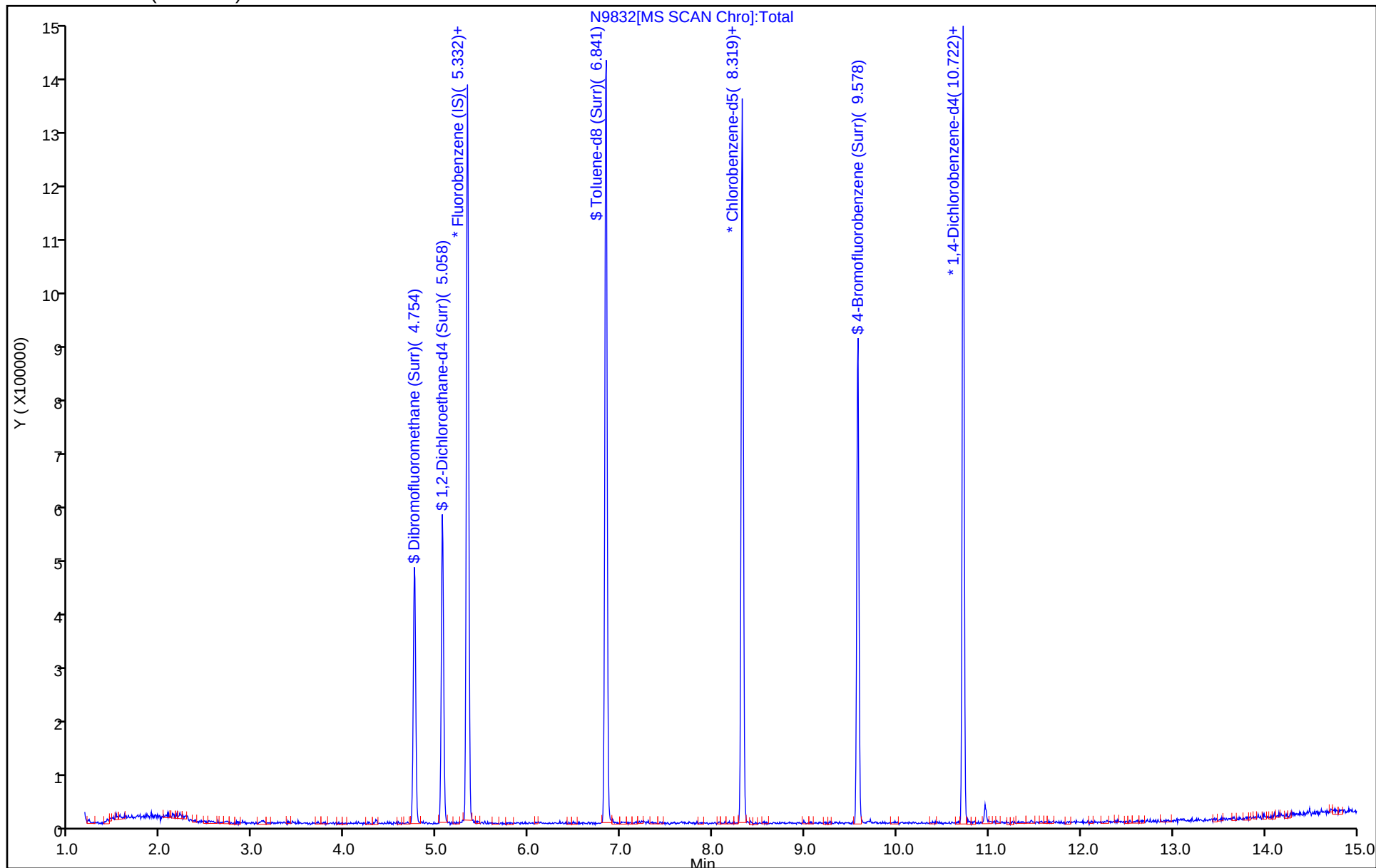
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: TB-1-120121 Lab Sample ID: 480-192935-14
 Matrix: Water Lab File ID: N9833.D
 Analysis Method: 8260C Date Collected: 11/30/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 05:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9833.D
 Lims ID: 480-192935-A-14
 Client ID: TB-1-120121
 Sample Type: Client
 Inject. Date: 03-Dec-2021 05:22:30 ALS Bottle#: 21 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-A-14
 Misc. Info.: 480-0102839-021
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:56:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	197685	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	624681	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	320894	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	91	252424	24.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	98	333645	23.3	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	95	790134	24.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	222566	24.7	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9833.D

Injection Date: 03-Dec-2021 05:22:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-A-14

Lab Sample ID: 480-192935-14

Worklist Smp#: 21

Client ID: TB-1-120121

Purge Vol: 5.000 mL

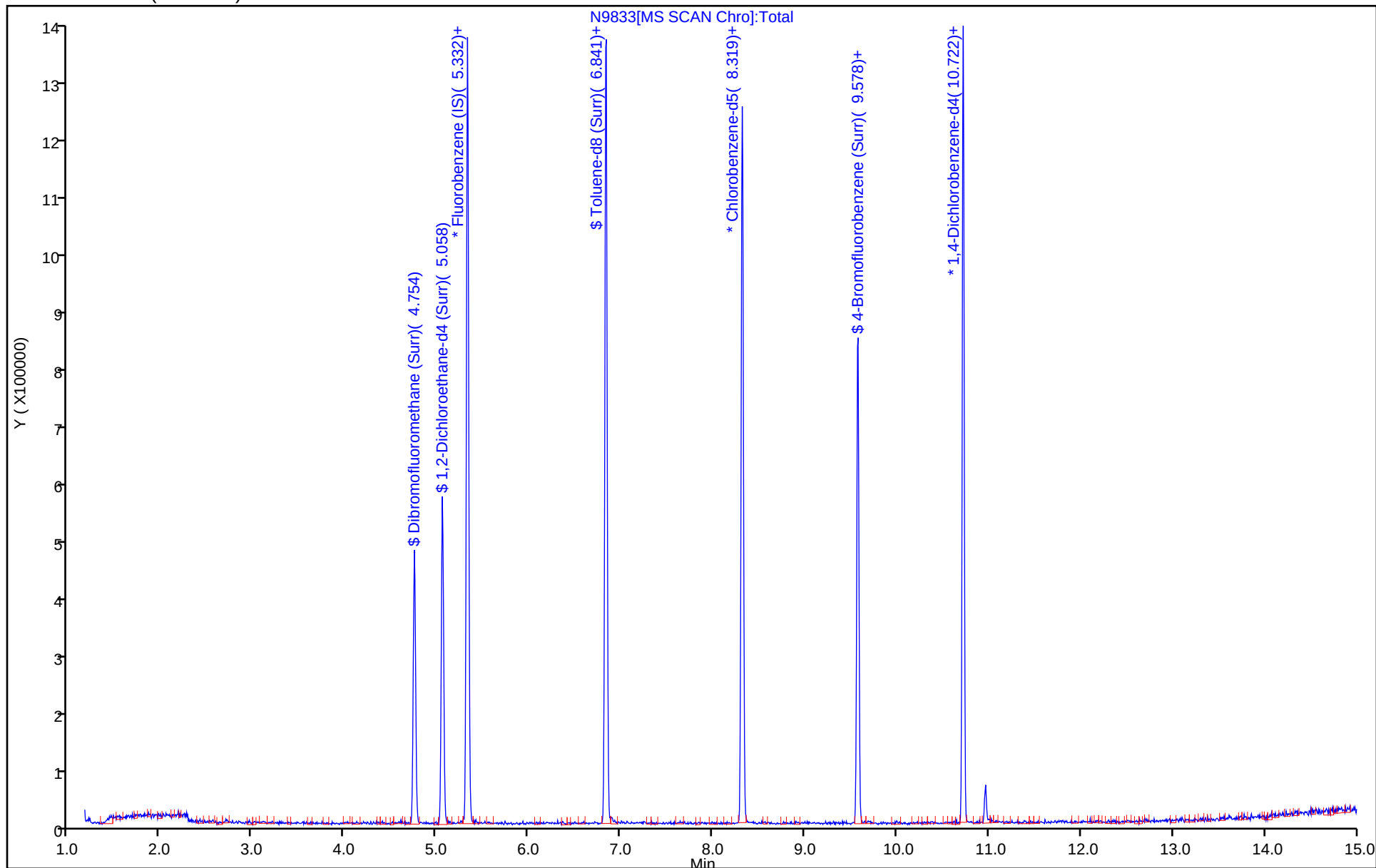
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: TB-2-120121 Lab Sample ID: 480-192935-15
 Matrix: Water Lab File ID: N9834.D
 Analysis Method: 8260C Date Collected: 11/30/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 05:45
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9834.D
 Lims ID: 480-192935-A-15
 Client ID: TB-2-120121
 Sample Type: Client
 Inject. Date: 03-Dec-2021 05:45:30 ALS Bottle#: 22 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-A-15
 Misc. Info.: 480-0102839-022
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:56:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	182993	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	595630	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	300672	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	91	253442	26.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	98	331573	25.0	
\$ 6 Toluene-d8 (Surr)	98	6.834	6.841	-0.007	96	761756	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	89	209147	24.3	
55 Benzene	78		5.064				ND	
73 Toluene	92		6.902				ND	
88 Ethylbenzene	91		8.441				ND	
90 m-Xylene & p-Xylene	106		8.562				ND	
91 o-Xylene	106		8.988				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9834.D

Injection Date: 03-Dec-2021 05:45:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-A-15

Lab Sample ID: 480-192935-15

Worklist Smp#: 22

Client ID: TB-2-120121

Purge Vol: 5.000 mL

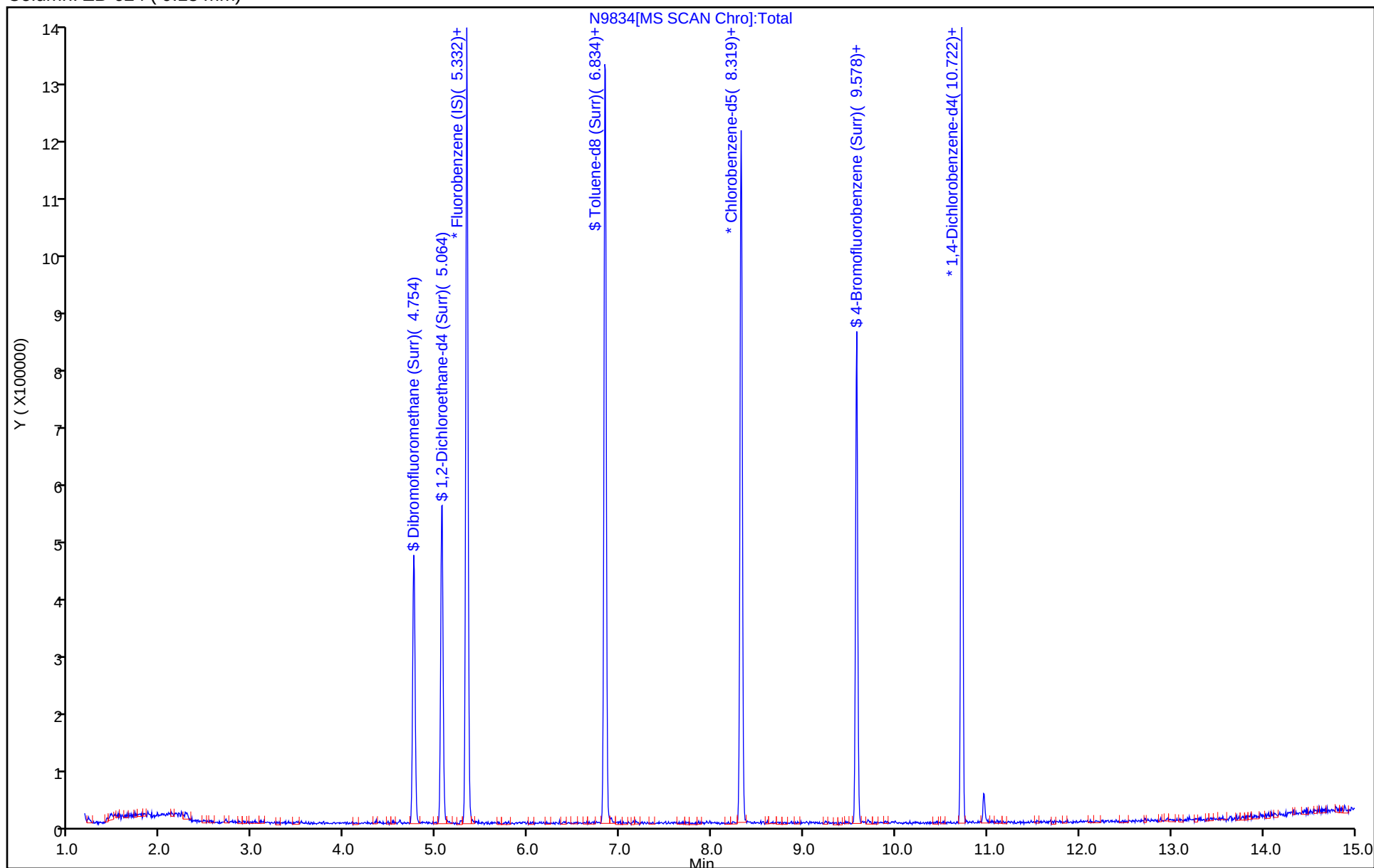
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-605236/5	N9184.D
Level 2	IC 480-605236/6	N9185.D
Level 3	IC 480-605236/7	N9186.D
Level 4	IC 480-605236/8	N9187.D
Level 5	IC 480-605236/9	N9188.D
Level 6	ICIS 480-605236/10	N9189.D
Level 7	IC 480-605236/11	N9190.D
Level 8	IC 480-605236/12	N9191.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	++++ 1.1181	1.1794 1.0303	0.8454 1.1483	1.2134	1.1126	Ave		1.092 5			0.1000	11.3		20.0			
Chloromethane	2.4986 2.1088	2.7436 2.1414	2.5338 2.2164	2.5583	2.2634	Ave		2.383 0			0.1000	9.7		20.0			
Butadiene	1.9188 2.0393	2.5469 1.9973	1.9483 2.1770	2.5940	2.0627	Ave		2.160 5				12.3		20.0			
Vinyl chloride	1.6261 1.5613	1.7335 1.5616	1.5222 1.6407	1.8327	1.4922	Ave		1.621 3			0.1000	7.0		20.0			
Bromomethane	++++ 0.9127	1.1974 0.9186	1.0343 0.9038	1.1426	0.8849	Ave		0.999 2			0.1000	12.7		20.0			
Chloroethane	1.2224 1.0004	1.1277 1.0100	1.1126 1.0258	1.1905	0.9974	Ave		1.085 9			0.1000	8.3		20.0			
Dichlorofluoromethane	2.5456 2.2121	2.6809 2.2917	2.6279 2.3126	2.6386	2.3272	Ave		2.454 6				7.6		20.0			
Trichlorofluoromethane	1.8141 1.8534	2.2420 1.8146	1.6218 1.9493	2.1235	1.7871	Ave		1.900 7			0.1000	10.5		20.0			
Ethyl ether	++++ 1.8288	2.1298 1.7661	1.7571 1.6885	1.9530	1.8659	Ave		1.855 6				8.0		20.0			
Acrolein	++++ 0.0993	0.1194 0.0966	0.1083 0.0879	0.1012	0.1005	Ave		0.101 9				9.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.0596	0.6504 1.2044	0.6233 1.1340	1.2653	1.1017	Lin1	-0.56 8	1.157 1			0.1000	13.6			0.9970		0.9900
1,1-Dichloroethene	1.0948 1.1223	1.3670 1.1983	0.8821 1.1244	1.2823	1.1634	Ave		1.154 3			0.1000	12.4		20.0			
Acetone	1.1092 0.8582	1.0606 0.8335	0.9521 0.7974	0.8919	0.8227	Ave		0.915 7			0.1000	12.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	2.2213 2.0183	2.1848 2.0113	2.0366 1.8605	2.2314	1.9483	Ave		2.064 0				6.5		20.0			
Carbon disulfide	2.9232 3.2435	2.8517 3.4285	2.7354 3.2956	3.5437	2.9935	Ave		3.126 9			0.1000	9.3		20.0			
Allyl chloride	3.7858 3.7941	3.9232 3.7633	3.5599 3.6501	4.0002	3.4723	Ave		3.743 6				4.7		20.0			
Methyl acetate	2.4711 2.2689	2.5867 2.1998	2.2552 2.1834	2.3143	2.2018	Ave		2.310 2			0.1000	6.3		20.0			
Methylene Chloride	++++ 1.4008	1.9129 1.3284	1.6013 1.2633	1.4500	1.3816	Lin1	0.697 7	1.290 5			0.1000	4.5			0.9990		0.9900
2-Methyl-2-propanol	0.2451 0.2100	0.2516 0.2185	0.2271 0.2111	0.2183	0.2132	Ave		0.224 4				7.1		20.0			
Methyl tert-butyl ether	5.0923 4.7114	5.3089 4.6167	4.6631 4.4440	4.6559	4.5506	Ave		4.755 4			0.1000	6.1		20.0			
trans-1,2-Dichloroethene	1.4131 1.4388	1.2694 1.4330	1.2909 1.3870	1.5487	1.3718	Ave		1.394 1			0.1000	6.3		20.0			
Acrylonitrile	1.2098 1.0874	1.1982 1.0660	1.0671 1.0532	1.0942	1.0434	Ave		1.102 4				5.9		20.0			
Hexane	++++ 2.3113	1.4459 2.9224	1.2801 2.6835	2.6992	2.4541	Lin1	-1.76 8	2.728 9				15.0			0.9940		0.9900
1,1-Dichloroethane	3.4824 3.2070	3.4663 3.2234	3.3579 3.0515	3.4626	3.1016	Ave		3.294 1			0.2000	5.2		20.0			
Vinyl acetate	4.7743 5.3946	5.2565 5.6134	4.7758 5.8416	4.8730	4.9004	Ave		5.178 7				7.9		20.0			
2,2-Dichloropropane	1.1246 1.1553	1.2222 1.1388	0.9386 1.0337	1.2851	1.0694	Ave		1.121 0				9.7		20.0			
cis-1,2-Dichloroethene	1.6974 1.5945	1.6735 1.5594	1.4680 1.4722	1.7291	1.5525	Ave		1.593 3			0.1000	6.2		20.0			
2-Butanone (MEK)	1.4710 1.2764	1.4369 1.2676	1.3065 1.2990	1.2718	1.2574	Ave		1.323 3			0.1000	6.2		20.0			
Chlorobromomethane	0.8341 0.8386	1.0097 0.7954	0.8856 0.7678	0.8352	0.8555	Ave		0.852 7				8.5		20.0			
Tetrahydrofuran	++++ 0.8772	1.0503 0.8669	0.9554 0.8448	0.8584	0.8351	Ave		0.898 3				8.6		20.0			
Chloroform	3.4468 2.7364	3.4539 2.7287	2.7303 2.6132	3.0631	2.7259	Ave		2.937 3			0.2000	11.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	2.0039 2.0918	1.8732 2.2438	1.6192 2.1276	2.1840	1.9299	Ave		2.009 2			0.1000	10.0		20.0			
Cyclohexane	++++ 2.9716	1.8363 3.6313	1.6502 3.4811	3.4737	2.9956	Lin1	-2.33 2	3.485 8			0.1000	15.2			0.9950		0.9900
Carbon tetrachloride	++++ 1.5956	1.1893 1.7947	1.2551 1.7622	1.7716	1.4861	Ave		1.550 6			0.1000	16.2		20.0			
1,1-Dichloropropene	++++ 1.8282	1.8621 2.0407	1.5467 1.9403	1.9589	1.7821	Ave		1.851 3				8.6		20.0			
Benzene	5.4135 5.4424	5.6073 5.3770	5.4942 5.3593	5.5705	5.3251	Ave		5.448 7			0.5000	1.9		20.0			
Isobutyl alcohol	0.1055 0.0930	0.1025 0.0952	0.0820 0.1029	0.0840	0.0820	Ave		0.093 4				10.5		20.0			
1,2-Dichloroethane	3.5157 2.8492	3.3411 2.7472	3.1768 2.6942	2.9534	2.8084	Ave		3.010 8			0.1000	10.0		20.0			
n-Heptane	++++ 2.7777	2.2890 3.2346	1.6089 3.2746	3.4238	2.8749	Lin1	-1.63 4	3.219 9				17.5			0.9960		0.9900
Trichloroethene	1.4565 1.4565	1.5446 1.4735	1.5153 1.4177	1.4825	1.4066	Ave		1.469 2			0.2000	3.1		20.0			
Methylcyclohexane	++++ 2.0124	1.1648 2.5481	1.0161 2.3747	2.2647	2.0480	Lin1	-1.79 4	2.397 6			0.1000	16.3			0.9940		0.9900
1,2-Dichloropropane	1.5879 1.5979	1.6182 1.5597	1.7081 1.5714	1.6457	1.6207	Ave		1.613 7			0.1000	2.9		20.0			
Dibromomethane	++++ 0.8926	0.9182 0.8838	0.9520 0.8575	0.9550	0.8934	Ave		0.907 5			0.1000	4.0		20.0			
1,4-Dioxane	++++ 0.0033	0.0046 0.0037	0.0034 0.0033	0.0036	0.0044	Ave		0.003 8				13.6		20.0			
Bromodichloromethane	1.9570 1.8613	2.0121 1.8757	1.8282 1.8549	1.8707	1.7683	Ave		1.878 5			0.2000	4.0		20.0			
2-Chloroethyl vinyl ether	0.8688 0.8975	0.8035 0.8919	0.8521 0.9363	0.8402	0.8932	Ave		0.872 9				4.7		20.0			
cis-1,3-Dichloropropene	++++ 2.0510	1.8725 2.0746	2.1186 2.1331	1.9320	1.9764	Ave		2.022 6			0.2000	4.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.2294 0.2694	0.2845 0.2677	0.2364 0.2692	0.2564	0.2606	Ave		0.259 2			0.1000	7.0		20.0			
Toluene	1.0008 1.0357	1.0580 1.0059	0.9423 1.0008	1.0086	0.9757	Ave		1.003 5			0.4000	3.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.5102 0.5863	0.5950 0.5777	0.5584 0.6146	0.5431	0.5502	Ave		0.566 9			0.1000	5.8		20.0			
Ethyl methacrylate	++++ 0.4661	0.3730 0.4780	0.3962 0.4926	0.3848	0.4148	Ave		0.429 4				11.3		20.0			
1,1,2-Trichloroethane	0.3015 0.2998	0.3390 0.2897	0.3053 0.2877	0.3175	0.2947	Ave		0.304 4			0.1000	5.5		20.0			
Tetrachloroethene	0.3601 0.4170	0.4125 0.4404	0.3564 0.4309	0.4548	0.4125	Ave		0.410 6			0.2000	8.6		20.0			
1,3-Dichloropropane	0.6239 0.6034	0.6292 0.5697	0.5900 0.5836	0.5864	0.5939	Ave		0.597 5				3.4		20.0			
2-Hexanone	0.4653 0.4914	0.5141 0.4796	0.4356 0.5059	0.4363	0.4794	Ave		0.475 9			0.1000	6.1		20.0			
Dibromochloromethane	0.3399 0.3945	0.3630 0.3938	0.3769 0.4085	0.3551	0.3623	Ave		0.374 2			0.1000	6.2		20.0			
1,2-Dibromoethane	++++ 0.3926	0.3789 0.3791	0.3561 0.3809	0.3783	0.3853	Ave		0.378 7				3.0		20.0			
Chlorobenzene	1.1739 1.1166	1.1070 1.1149	1.0903 1.1200	1.0933	1.1007	Ave		1.114 6			0.5000	2.4		20.0			
Ethylbenzene	1.6585 1.8659	1.7668 1.8968	1.5104 1.9214	1.8037	1.7518	Ave		1.771 9			0.1000	7.7		20.0			
1,1,1,2-Tetrachloroethane	0.4671 0.4528	0.3910 0.4332	0.3840 0.4339	0.4344	0.4237	Ave		0.427 5				6.6		20.0			
m,p-Xylene	0.6811 0.7284	0.6881 0.7381	0.5970 0.7245	0.6825	0.6888	Ave		0.691 1			0.1000	6.4		20.0			
o-Xylene	0.7632 0.7716	0.7090 0.7607	0.7215 0.7470	0.7396	0.7098	Ave		0.740 3			0.3000	3.3		20.0			
Styrene	0.9153 1.1599	0.9729 1.1320	0.9844 1.1881	1.1014	1.1131	Ave		1.070 9			0.3000	9.3		20.0			
Bromoform	0.1975 0.2290	0.2193 0.2260	0.2094 0.2472	0.1784	0.1998	Ave		0.213 3			0.1000	10.1		20.0			
Isopropylbenzene	3.2641 3.8350	3.1819 4.0051	2.9635 3.9618	3.7247	3.4635	Ave		3.550 0			0.1000	10.9		20.0			
Bromobenzene	0.7868 0.8759	0.9431 0.8574	0.7617 0.8660	0.8130	0.8671	Ave		0.846 4				6.8		20.0			
1,1,2,2-Tetrachloroethane	0.8809 1.0138	1.1000 1.0060	0.9797 0.9846	1.0142	0.9796	Ave		0.994 8			0.3000	6.1		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	++++ 4.2143	3.5509 4.4482	3.3196 4.4530	4.0404	3.9237	Ave		3.992 9				10.8		20.0			
1,2,3-Trichloropropane	++++ 0.3233	0.3883 0.3245	0.2948 0.3173	0.3180	0.3341	Ave		0.328 6				8.8		20.0			
trans-1,4-Dichloro-2-butene	0.3762 0.4217	0.4616 0.4376	0.3721 0.4457	0.3846	0.4212	Ave		0.415 1				8.1		20.0			
2-Chlorotoluene	++++ 0.9142	0.8380 0.8952	0.8639 0.8706	0.8880	0.8650	Ave		0.876 4				2.8		20.0			
1,3,5-Trimethylbenzene	2.6712 3.2534	2.6325 3.2766	3.5743 3.2747	3.0827	2.9053	Ave		2.958 8				10.2		20.0			
4-Chlorotoluene	++++ 2.6950	2.6726 2.7183	2.4073 2.7417	2.5684	2.6111	Ave		2.630 6				4.4		20.0			
tert-Butylbenzene	++++ 0.6797	0.5167 0.7056	0.4256 0.6997	0.6105	0.6088	Ave		0.606 7				17.1		20.0			
1,2,4-Trimethylbenzene	2.4658 3.2886	2.8768 3.2248	2.4516 3.2866	3.0502	2.9661	Ave		2.951 3				11.5		20.0			
sec-Butylbenzene	3.5183 3.8843	2.9055 4.1138	2.6005 4.1251	3.5704	3.5378	Ave		3.531 9				15.4		20.0			
1,3-Dichlorobenzene	1.8053 1.7267	1.7800 1.6570	1.5332 1.6836	1.6624	1.7444	Ave		1.699 1			0.6000	5.0		20.0			
4-Isopropyltoluene	2.8035 3.6071	2.8499 3.7695	2.5423 3.7913	3.4187	3.2825	Ave		3.258 1				14.6		20.0			
1,4-Dichlorobenzene	++++ 1.7081	1.7653 1.7108	1.6584 1.7134	1.8786	1.6607	Ave		1.727 9			0.5000	4.4		20.0			
n-Butylbenzene	++++ 2.9543	2.4290 3.0700	1.8802 3.0013	2.8647	2.6732	Ave		2.696 1				15.6		20.0			
1,2-Dichlorobenzene	2.0197 1.8339	1.8731 1.7044	1.7495 1.7158	1.7293	1.6880	Ave		1.789 2			0.4000	6.3		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.2051	0.1703 0.2050	0.1824 0.1968	0.1871	0.1942	Ave		0.191 6			0.0500	6.6		20.0			
1,2,4-Trichlorobenzene	1.1292 1.2478	1.3575 1.1514	1.1253 1.0755	1.2751	1.1355	Ave		1.187 2			0.2000	8.1		20.0			
Hexachlorobutadiene	0.5455 0.5727	0.5496 0.5648	0.3005 0.5197	0.5313	0.5075	Ave		0.511 5				17.2		20.0			
Naphthalene	3.2640 3.7585	3.2751 3.4847	3.2821 3.3949	3.2229	3.3058	Ave		3.373 5				5.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,2,3-Trichlorobenzene	+++++ 1.2394	1.3012 1.0846	1.1421 1.0363	1.2426	1.0967	Ave		1.163 3				8.5		20.0			
Dibromofluoromethane (Surr)	1.3016 1.3023	1.3273 1.3373	1.3461 1.2148	1.3016	1.2580	Ave		1.298 6				3.4		20.0			
1,2-Dichloroethane-d4 (Surr)	1.9004 1.7681	1.8787 1.7427	1.8784 1.6911	1.8355	1.8086	Ave		1.812 9				4.1		20.0			
Toluene-d8 (Surr)	1.3114 1.2959	1.3008 1.2979	1.3091 1.2914	1.3022	1.3327	Ave		1.305 2				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.3566 0.3634	0.3610 0.3676	0.3522 0.3745	0.3507	0.3618	Ave		0.361 0				2.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-605236/5	N9184.D
Level 2	IC 480-605236/6	N9185.D
Level 3	IC 480-605236/7	N9186.D
Level 4	IC 480-605236/8	N9187.D
Level 5	IC 480-605236/9	N9188.D
Level 6	ICIS 480-605236/10	N9189.D
Level 7	IC 480-605236/11	N9190.D
Level 8	IC 480-605236/12	N9191.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 276619	10940 514442	15436 1253650	56107	109094	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	11389 521733	25450 1069225	46263 2419603	118297	221934	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	8746 504531	23626 997270	35572 2376688	119949	202255	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	7412 386292	16080 779728	27792 1791121	84747	146319	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 225800	11107 458685	18884 986657	52836	86764	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	5572 247505	10461 504311	20314 1119920	55049	97794	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	11603 547288	24869 1144266	47980 2524639	122010	228195	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	8269 458544	20797 906049	29611 2128027	98192	175233	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	+++++ 452465	19756 881832	32082 1843311	90308	182960	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 122859	5538 241061	9887 479963	23403	49256	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	+++++ 262146	6033 601346	11380 1238028	58508	108021	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4990 277674	12681 598318	16105 1227476	59295	114072	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	25280	49190	86919	206213	403322	2.50	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			1061667	2080908	4352465			125	250	500		
Iodomethane	FB	Ave	10125 499338	20267 1004232	37184 2031068	103180	191033	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	13324 802465	26453 1711839	49944 3597807	163862	293520	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	17256 938704	36392 1879043	64997 3984775	184973	340472	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	22527 1122705	47989 2196765	82350 4767243	214032	431788	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	++++ 346571	17744 663270	29237 1379128	67047	135471	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	11174 519672	23340 1090867	41471 2304761	100957	209014	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	23211 1165654	49246 2305131	85140 4851504	215290	446207	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	6441 355962	11775 715504	23570 1514194	71613	134512	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	55142 2690243	111143 5322670	194827 11497381	505953	1023100	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Lin1	++++ 571833	13412 1459186	23373 2929578	124812	240638	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	15873 793432	32154 1609443	61309 3331386	160113	304126	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	43523 2669322	97521 5605632	174394 12754690	450661	961011	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5126 285835	11337 568592	17137 1128481	59422	104861	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	7737 394498	15524 778597	26803 1607194	79953	152232	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	33524 1578914	66643 3164683	119273 7090620	294054	616450	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3802 207477	9366 397143	16169 838246	38622	83889	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	++++ 434046	19485 865743	34887 1844591	79386	163774	++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	15711	32039	49850	141638	267282	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			676999	1362463	2852882			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	9134 517529	17376 1120334	29564 2322688	100990	189236	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Lin1	++++ 735207	17034 1813127	30129 3800368	160628	293725	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	++++ 394776	11032 896079	22916 1923795	81918	145717	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	++++ 452316	17273 1018905	28240 2118229	90582	174743	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	24675 1346507	52014 2684774	100314 5850806	257582	522142	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	12019 575310	23759 1188554	37449 2808516	97112	201072	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	16025 704911	30993 1371697	58003 2941265	136569	275372	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Lin1	++++ 687221	21233 1615040	29376 3574924	158318	281892	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	6639 360359	14328 735710	27667 1547698	68552	137918	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Lin1	++++ 497893	10805 1272282	18553 2592484	104720	200811	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	7238 395331	15011 778777	31186 1715468	76099	158915	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	++++ 220829	8517 441277	17382 936138	44161	87597	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	++++ 51562	2702 117511	4040 234282	10340	26450	++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	8920 460512	18665 936520	33380 2025024	86500	173387	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3960 222061	7453 445345	15557 1022112	38853	87584	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	++++ 507447	17370 1035839	38681 2328686	89337	193789	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	16874	41922	70390	182820	393917	2.50	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			1039098	2131383	4723616			125	250	500		
Toluene	CBNZ d5	Ave	14722	31178	56116	143835	294953	0.500	1.00	2.00	5.00	10.0
			799026	1601774	3511521			25.0	50.0	100		
trans-1,3-Dichloropropene	CBNZ d5	Ave	7505	17533	33257	77449	166322	0.500	1.00	2.00	5.00	10.0
			452338	919944	2156620			25.0	50.0	100		
Ethyl methacrylate	CBNZ d5	Ave	+++++	10993	23595	54874	125383	+++++	1.00	2.00	5.00	10.0
			359567	761174	1728334			25.0	50.0	100		
1,1,2-Trichloroethane	CBNZ d5	Ave	4435	9990	18179	45276	89085	0.500	1.00	2.00	5.00	10.0
			231267	461294	1009577			25.0	50.0	100		
Tetrachloroethene	CBNZ d5	Ave	5298	12155	21224	64861	124710	0.500	1.00	2.00	5.00	10.0
			321736	701311	1511748			25.0	50.0	100		
1,3-Dichloropropane	CBNZ d5	Ave	9178	18542	35138	83623	179546	0.500	1.00	2.00	5.00	10.0
			465501	907116	2047553			25.0	50.0	100		
2-Hexanone	CBNZ d5	Ave	34221	75748	129700	311090	724612	2.50	5.00	10.0	25.0	50.0
			1895784	3818165	8874757			125	250	500		
Dibromochloromethane	CBNZ d5	Ave	5000	10698	22444	50632	109517	0.500	1.00	2.00	5.00	10.0
			304325	627084	1433217			25.0	50.0	100		
1,2-Dibromoethane	CBNZ d5	Ave	+++++	11164	21204	53948	116479	+++++	1.00	2.00	5.00	10.0
			302889	603636	1336595			25.0	50.0	100		
Chlorobenzene	CBNZ d5	Ave	17269	32620	64932	155915	332733	0.500	1.00	2.00	5.00	10.0
			861461	1775267	3929833			25.0	50.0	100		
Ethylbenzene	CBNZ d5	Ave	24397	52064	89951	257208	529572	0.500	1.00	2.00	5.00	10.0
			1439545	3020410	6741574			25.0	50.0	100		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	6871	11522	22867	61944	128074	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			349317	689885	1522372			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	10019	20276	35556	97334	208225	0.500	1.00	2.00	5.00	10.0
			561934	1175287	2542042			25.0	50.0	100		
o-Xylene	CBNZ d5	Ave	11227	20893	42970	105463	214565	0.500	1.00	2.00	5.00	10.0
			595281	1211312	2620874			25.0	50.0	100		
Styrene	CBNZ d5	Ave	13464	28670	58625	157062	336484	0.500	1.00	2.00	5.00	10.0
			894900	1802494	4168838			25.0	50.0	100		
Bromoform	CBNZ d5	Ave	2905	6461	12471	25441	60406	0.500	1.00	2.00	5.00	10.0
			176652	359865	867376			25.0	50.0	100		
Isopropylbenzene	DCBd 4	Ave	25029	49786	90056	275363	538265	0.500	1.00	2.00	5.00	10.0
			1527461	3188544	7118308			25.0	50.0	100		
Bromobenzene	DCBd 4	Ave	6033	14756	23146	60106	134751	0.500	1.00	2.00	5.00	10.0
			348874	682634	1555917			25.0	50.0	100		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6755	17211	29772	74975	152238	0.500	1.00	2.00	5.00	10.0
			403790	800907	1769054			25.0	50.0	100		
N-Propylbenzene	DCBd 4	Ave	+++++	55559	100879	298704	609777	+++++	1.00	2.00	5.00	10.0
			1678554	3541299	8000924			25.0	50.0	100		
1,2,3-Trichloropropane	DCBd 4	Ave	+++++	6076	8960	23512	51917	+++++	1.00	2.00	5.00	10.0
			128758	258373	570134			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2885	7222	11308	28430	65462	0.500	1.00	2.00	5.00	10.0
			167965	348357	800896			25.0	50.0	100		
2-Chlorotoluene	DCBd 4	Ave	+++++	13112	26252	65649	134425	+++++	1.00	2.00	5.00	10.0
			364104	712701	1564320			25.0	50.0	100		
1,3,5-Trimethylbenzene	DCBd 4	Ave	20483	41189	78231	227900	451504	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			1295816	2608595	5883710			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	+++++	41817	73156	189880	405792	+++++	1.00	2.00	5.00	10.0
			1073419	2164104	4926087			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Ave	+++++	8085	12933	45130	94616	+++++	1.00	2.00	5.00	10.0
			270735	561727	1257188			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	18908	45012	74501	225497	460963	0.500	1.00	2.00	5.00	10.0
			1309855	2567350	5905161			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Ave	26978	45460	79027	263955	549804	0.500	1.00	2.00	5.00	10.0
			1547092	3275074	7411664			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	13843	27851	46593	122899	271090	0.500	1.00	2.00	5.00	10.0
			687743	1319197	3025069			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Ave	21497	44591	77257	252738	510129	0.500	1.00	2.00	5.00	10.0
			1436687	3001020	6812041			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	+++++	27620	50397	138885	258094	+++++	1.00	2.00	5.00	10.0
			680312	1362033	3078529			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	+++++	38005	57137	211782	415442	+++++	1.00	2.00	5.00	10.0
			1176681	2444098	5392501			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	15487	29308	53166	127843	262331	0.500	1.00	2.00	5.00	10.0
			730423	1356906	3082880			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++	2664	5544	13834	30187	+++++	1.00	2.00	5.00	10.0
			81705	163244	353551			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	8659	21240	34195	94266	176460	0.500	1.00	2.00	5.00	10.0
			497010	916661	1932472			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	4183	8599	9133	39278	78870	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			228111	449683	933795			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	25028	51244	99738	238265	513758	0.500	1.00	2.00	5.00	10.0
			1496997	2774222	6099839			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++	20359	34708	91865	170431	+++++	1.00	2.00	5.00	10.0
			493635	863467	1862045			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	296632	307813	307216	300944	308375	25.0	25.0	25.0	25.0	25.0
			322196	333872	331542			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	433112	435677	428709	424376	443357	25.0	25.0	25.0	25.0	25.0
			437439	435063	461532			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	964568	958276	974498	928468	1007186	25.0	25.0	25.0	25.0	25.0
			999829	1033344	1132818			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	262274	265974	262173	250041	273401	25.0	25.0	25.0	25.0	25.0
			280350	292695	328475			25.0	25.0	25.0		

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-605236/5	N9184.D
Level 2	IC 480-605236/6	N9185.D
Level 3	IC 480-605236/7	N9186.D
Level 4	IC 480-605236/8	N9187.D
Level 5	IC 480-605236/9	N9188.D
Level 6	ICIS 480-605236/10	N9189.D
Level 7	IC 480-605236/11	N9190.D
Level 8	IC 480-605236/12	N9191.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Dichlorodifluoromethane	+++++	8.0						30				
Chloromethane	4.9						30					
Butadiene	-11.2						30					
Vinyl chloride	0.3						30					
Bromomethane	+++++	19.8						30				
Chloroethane	12.6						30					
Dichlorofluoromethane	3.7						30					
Trichlorofluoromethane	-4.6						30					
Ethyl ether	+++++	14.8						30				
Acrolein	+++++	17.2						30				
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	5.3						30				
1,1-Dichloroethene	-5.2						30					
Acetone	21.1						30					
Iodomethane	7.6						30					
Carbon disulfide	-6.5						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

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
Allyl chloride	1.1						30					
Methyl acetate	7.0						30					
Methylene Chloride	+++++	-5.8						30				
2-Methyl-2-propanol	9.3						30					
Methyl tert-butyl ether	7.1						30					
trans-1,2-Dichloroethene	1.4						30					
Acrylonitrile	9.7						30					
Hexane	+++++	17.8						30				
1,1-Dichloroethane	5.7						30					
Vinyl acetate	-7.8						30					
2,2-Dichloropropane	0.3						30					
cis-1,2-Dichloroethene	6.5						30					
2-Butanone (MEK)	11.2						30					
Chlorobromomethane	-2.2						30					
Tetrahydrofuran	+++++	16.9						30				
Chloroform	17.3						30					
1,1,1-Trichloroethane	-0.3						30					
Cyclohexane	+++++	19.6						30				
Carbon tetrachloride	+++++	-23.3						30				
1,1-Dichloropropene	+++++	0.6						30				
Benzene	-0.6						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

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
Isobutyl alcohol	12.9						30					
1,2-Dichloroethane	16.8						30					
n-Heptane	+++++	21.8						30				
Trichloroethene	-0.9						30					
Methylcyclohexane	+++++	23.4						30				
1,2-Dichloropropane	-1.6						30					
Dibromomethane	+++++	1.2						30				
1,4-Dioxane	+++++	21.8						30				
Bromodichloromethane	4.2						30					
2-Chloroethyl vinyl ether	-0.5						30					
cis-1,3-Dichloropropene	+++++	-7.4						30				
4-Methyl-2-pentanone (MIBK)	-11.5						30					
Toluene	-0.3						30					
trans-1,3-Dichloropropene	-10.0						30					
Ethyl methacrylate	+++++	-13.1						30				
1,1,2-Trichloroethane	-1.0						30					
Tetrachloroethene	-12.3						30					
1,3-Dichloropropane	4.4						30					
2-Hexanone	-2.2						30					
Dibromochloromethane	-9.2						30					
1,2-Dibromoethane	+++++	0.0						30				

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

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
Chlorobenzene	5.3						30					
Ethylbenzene	-6.4						30					
1,1,1,2-Tetrachloroethane	9.3						30					
m,p-Xylene	-1.4						30					
o-Xylene	3.1						30					
Styrene	-14.5						30					
Bromoform	-7.4						30					
Isopropylbenzene	-8.1						30					
Bromobenzene	-7.0						30					
1,1,2,2-Tetrachloroethane	-11.4						30					
N-Propylbenzene	+++++	-11.1						30				
1,2,3-Trichloropropane	+++++	18.2						30				
trans-1,4-Dichloro-2-butene	-9.4						30					
2-Chlorotoluene	+++++	-4.4						30				
1,3,5-Trimethylbenzene	-9.7						30					
4-Chlorotoluene	+++++	1.6						30				
tert-Butylbenzene	+++++	-14.8						30				
1,2,4-Trimethylbenzene	-16.4						30					
sec-Butylbenzene	-0.4						30					
1,3-Dichlorobenzene	6.3						30					
4-Isopropyltoluene	-14.0						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 605236

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/16/2021 18:11 Calibration End Date: 11/16/2021 20:52 Calibration ID: 42737

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
1,4-Dichlorobenzene	+++++	2.2						30				
n-Butylbenzene	+++++	-9.9						30				
1,2-Dichlorobenzene	12.9						30					
1,2-Dibromo-3-Chloropropane	+++++	-11.1						30				
1,2,4-Trichlorobenzene	-4.9						30					
Hexachlorobutadiene	6.7						30					
Naphthalene	-3.2						30					
1,2,3-Trichlorobenzene	+++++	11.9						30				
Dibromofluoromethane (Surr)	0.2						30					
1,2-Dichloroethane-d4 (Surr)	4.8						30					
Toluene-d8 (Surr)	0.5						30					
4-Bromofluorobenzene (Surr)	-1.2						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 16-Nov-2021 18:11:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0102482-005
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:01:44 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: dahnw

Date: 16-Nov-2021 21:26:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	227904	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	735533	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	383398	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	92	296632	25.0	25.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.064	-0.006	98	433112	25.0	26.2	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	95	964568	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	84	262274	25.0	24.7	
11 Dichlorodifluoromethane	85	1.262	1.256	0.006	45	3220	0.5000	0.3233	
13 Chloromethane	50	1.432	1.432	0.000	52	11389	0.5000	0.5243	
144 Butadiene	54	1.511	1.511	0.000	85	8746	0.5000	0.4441	
14 Vinyl chloride	62	1.536	1.518	0.018	45	7412	0.5000	0.5015	
15 Bromomethane	94	1.816	1.810	0.006	1	3884	0.5000	0.4264	M
16 Chloroethane	64	1.876	1.877	0.000	29	5572	0.5000	0.5629	
17 Dichlorofluoromethane	67	2.095	2.108	-0.013	60	11603	0.5000	0.5185	
18 Trichlorofluoromethane	101	2.114	2.108	0.006	15	8269	0.5000	0.4772	
19 Ethyl ether	59	2.375	2.375	0.000	92	10958	0.5000	0.6478	
20 Acrolein	56	2.552	2.552	0.000	0	3772	2.50	4.06	M
21 112TCTFE	101	2.576	2.582	-0.006	59	3179	0.5000	0.7918	M
22 1,1-Dichloroethene	96	2.588	2.594	-0.006	91	4990	0.5000	0.4742	
23 Acetone	43	2.710	2.710	0.000	96	25280	2.50	3.03	M
24 Iodomethane	142	2.765	2.765	0.000	72	10125	0.5000	0.5381	
25 Carbon disulfide	76	2.801	2.801	0.000	78	13324	0.5000	0.4674	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	81	17256	0.5000	0.5056	
28 Methyl acetate	43	3.002	3.002	0.000	99	22527	1.00	1.07	
30 Methylene Chloride	84	3.118	3.111	0.007	0	9375	0.5000	0.2562	M
31 2-Methyl-2-propanol	59	3.282	3.276	0.006	77	11174	5.00	5.46	
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	92	23211	0.5000	0.5354	
33 trans-1,2-Dichloroethene	96	3.318	3.324	-0.006	89	6441	0.5000	0.5068	
34 Acrylonitrile	53	3.379	3.379	0.000	0	55142	5.00	5.49	M
35 Hexane	57	3.513	3.513	0.000	88	8816	0.5000	1.00	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.732	3.738	-0.006	93	15873	0.5000	0.5286	
39 Vinyl acetate	43	3.793	3.793	0.000	96	43523	1.00	0.9219	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	29	5126	0.5000	0.5016	
43 cis-1,2-Dichloroethene	96	4.292	4.286	0.006	77	7737	0.5000	0.5327	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	95	33524	2.50	2.78	
47 Chlorobromomethane	128	4.529	4.523	0.006	84	3802	0.5000	0.4891	
49 Tetrahydrofuran	42	4.553	4.547	0.006	62	10689	1.00	1.31	
50 Chloroform	83	4.602	4.602	0.000	96	15711	0.5000	0.5867	
51 1,1,1-Trichloroethane	97	4.705	4.711	-0.006	49	9134	0.5000	0.4987	
52 Cyclohexane	56	4.711	4.718	-0.007	56	10602	0.5000	1.00	
53 Carbon tetrachloride	117	4.839	4.845	-0.006	48	5066	0.5000	0.3584	
54 1,1-Dichloropropene	75	4.864	4.864	0.000	75	6673	0.5000	0.3954	
55 Benzene	78	5.058	5.064	-0.006	41	24675	0.5000	0.4968	
56 Isobutyl alcohol	43	5.095	5.101	-0.006	53	12019	12.5	14.1	
57 1,2-Dichloroethane	62	5.137	5.131	0.006	92	16025	0.5000	0.5839	
59 n-Heptane	43	5.247	5.247	0.000	84	14768	0.5000	1.01	
60 Trichloroethene	95	5.673	5.673	0.000	88	6639	0.5000	0.4957	
62 Methylcyclohexane	83	5.788	5.788	0.000	87	5670	0.5000	1.01	M
63 1,2-Dichloropropane	63	5.910	5.916	-0.006	82	7238	0.5000	0.4920	
64 Dibromomethane	93	6.050	6.050	0.000	92	4878	0.5000	0.5896	M
66 1,4-Dioxane	88	6.062	6.062	0.000	27	1516	10.0	13.7	M
67 Dichlorobromomethane	83	6.208	6.202	0.006	93	8920	0.5000	0.5209	
69 2-Chloroethyl vinyl ether	63	6.488	6.482	0.006	37	3960	0.5000	0.4976	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	70	7474	0.5000	0.4054	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	97	16874	2.50	2.21	
73 Toluene	92	6.902	6.908	-0.006	95	14722	0.5000	0.4987	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	88	7505	0.5000	0.4499	
77 Ethyl methacrylate	69	7.242	7.236	0.006	83	4899	0.5000	0.3878	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	85	4435	0.5000	0.4952	
79 Tetrachloroethene	166	7.425	7.437	-0.012	80	5298	0.5000	0.4386	
80 1,3-Dichloropropane	76	7.534	7.540	-0.006	91	9178	0.5000	0.5221	
82 2-Hexanone	43	7.607	7.607	0.000	97	34221	2.50	2.44	
83 Chlorodibromomethane	129	7.765	7.771	-0.006	32	5000	0.5000	0.4541	
84 Ethylene Dibromide	107	7.869	7.875	-0.006	95	6871	0.5000	0.6166	
85 Chlorobenzene	112	8.349	8.349	0.000	95	17269	0.5000	0.5266	
88 Ethylbenzene	91	8.435	8.441	-0.006	96	24397	0.5000	0.4680	a
89 1,1,1,2-Tetrachloroethane	131	8.453	8.453	0.000	46	6871	0.5000	0.5463	
90 m-Xylene & p-Xylene	106	8.574	8.562	0.012	96	10019	0.5000	0.4928	a
91 o-Xylene	106	8.994	8.988	0.006	93	11227	0.5000	0.5155	
92 Styrene	104	9.025	9.019	0.006	87	13464	0.5000	0.4273	
93 Bromoform	173	9.268	9.274	-0.006	30	2905	0.5000	0.4629	
95 Isopropylbenzene	105	9.371	9.378	-0.007	96	25029	0.5000	0.4597	
97 Bromobenzene	156	9.730	9.724	0.006	83	6033	0.5000	0.4648	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.791	-0.006	21	6755	0.5000	0.4428	
100 N-Propylbenzene	91	9.809	9.809	0.000	96	24975	0.5000	0.4079	
99 1,2,3-Trichloropropane	110	9.828	9.822	0.006	60	2113	0.5000	0.4193	
101 trans-1,4-Dichloro-2-butene	53	9.840	9.834	0.006	1	2885	0.5000	0.4532	
102 2-Chlorotoluene	126	9.913	9.913	0.000	93	5476	0.5000	0.4074	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	94	20483	0.5000	0.4514	
105 4-Chlorotoluene	91	10.028	10.029	0.000	90	15812	0.5000	0.3919	
106 tert-Butylbenzene	134	10.320	10.308	0.012	95	4934	0.5000	0.5303	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	95	18908	0.5000	0.4178	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	93	26978	0.5000	0.4981	
110 1,3-Dichlorobenzene	146	10.649	10.655	-0.006	94	13843	0.5000	0.5313	M
111 4-Isopropyltoluene	119	10.667	10.661	0.006	92	21497	0.5000	0.4302	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	95	15925	0.5000	0.6010	
115 n-Butylbenzene	91	11.051	11.051	-0.001	96	21573	0.5000	0.5218	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	93	15487	0.5000	0.5644	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.835	-0.006	1	969	0.5000	0.3298	
119 1,2,4-Trichlorobenzene	180	12.511	12.511	0.000	89	8659	0.5000	0.4756	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	86	4183	0.5000	0.5333	
121 Naphthalene	128	12.730	12.724	0.006	96	25028	0.5000	0.4838	
122 1,2,3-Trichlorobenzene	180	12.930	12.924	0.006	89	10697	0.5000	0.5996	
S 123 1,3-Dichloropropene, Total	1				0			0.8553	
S 126 Xylenes, Total	1				0			1.01	
S 125 Total BTEX	1				0			2.47	
S 124 1,2-Dichloroethene, Total	1				0			1.04	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 0.50

Units: uL

GAS CORP mix_00480

Amount Added: 0.50

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: IC 0.5

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

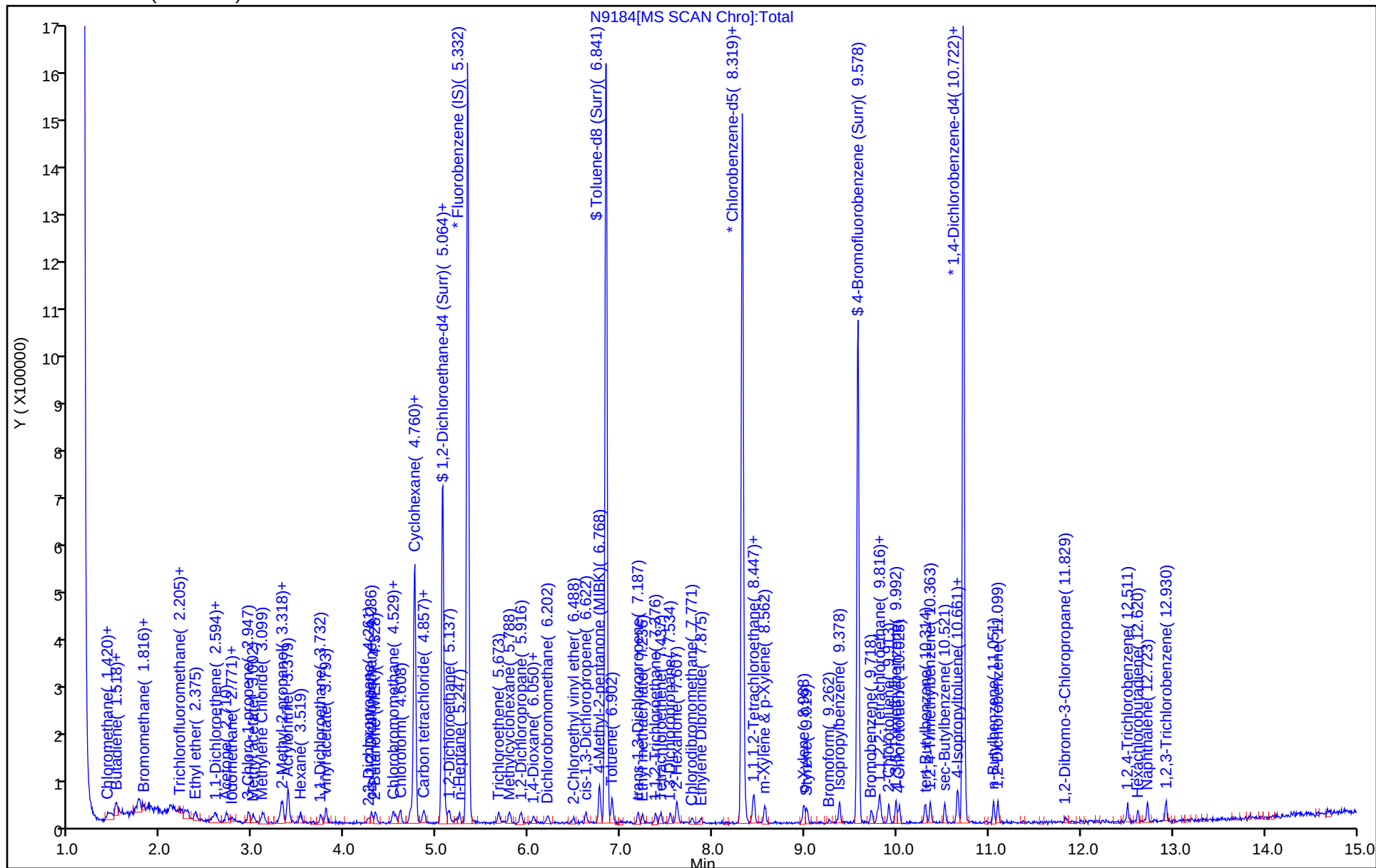
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: wd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

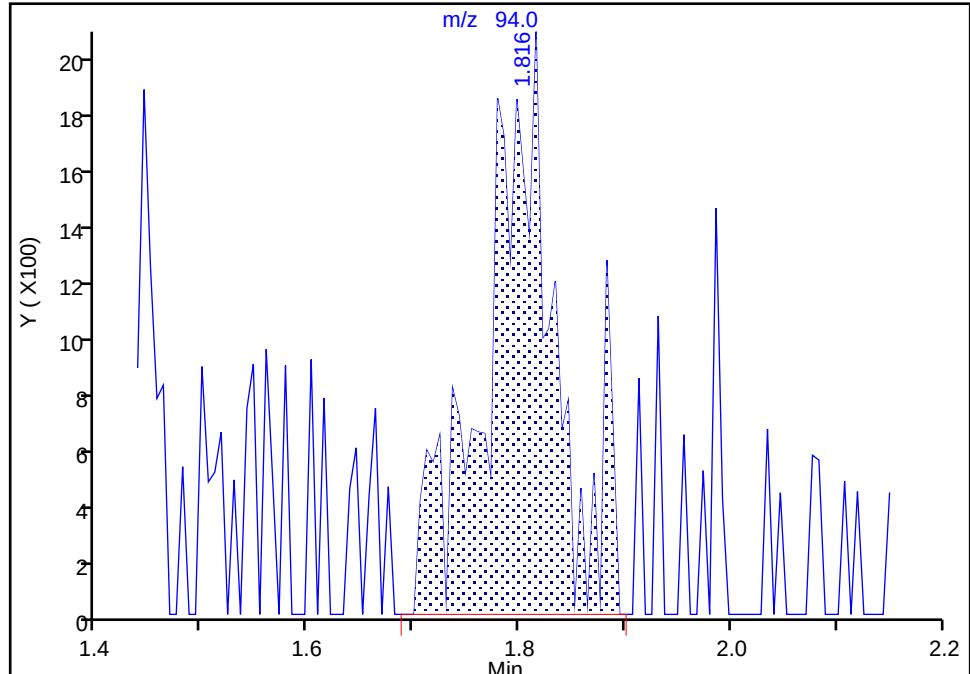
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

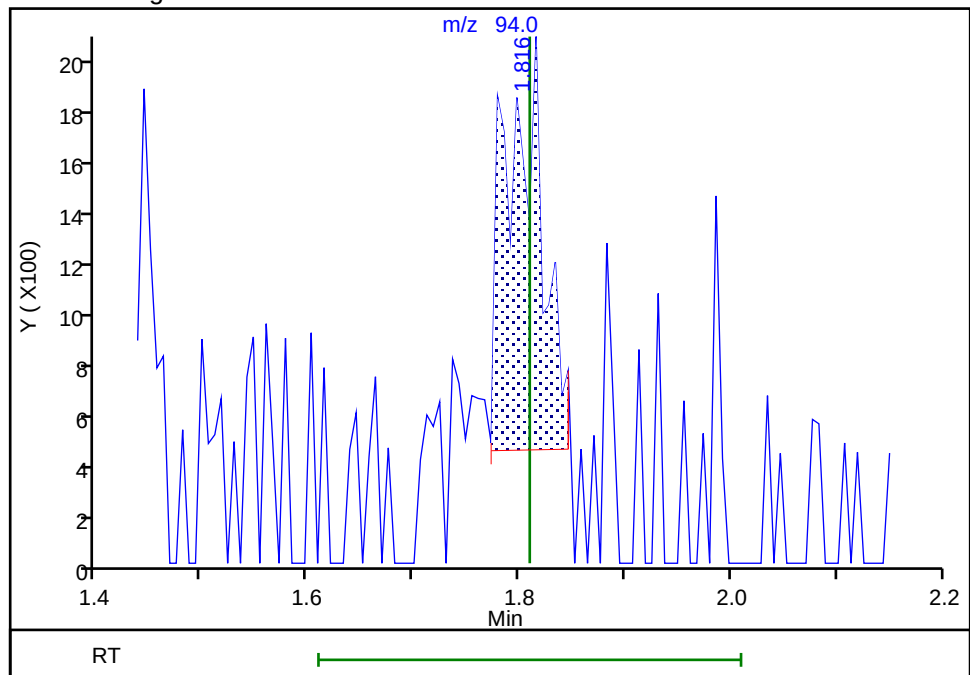
RT: 1.82
Area: 9175
Amount: 0.938846
Amount Units: ug/L

Processing Integration Results



RT: 1.82
Area: 3884
Amount: 0.426409
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:54:30

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

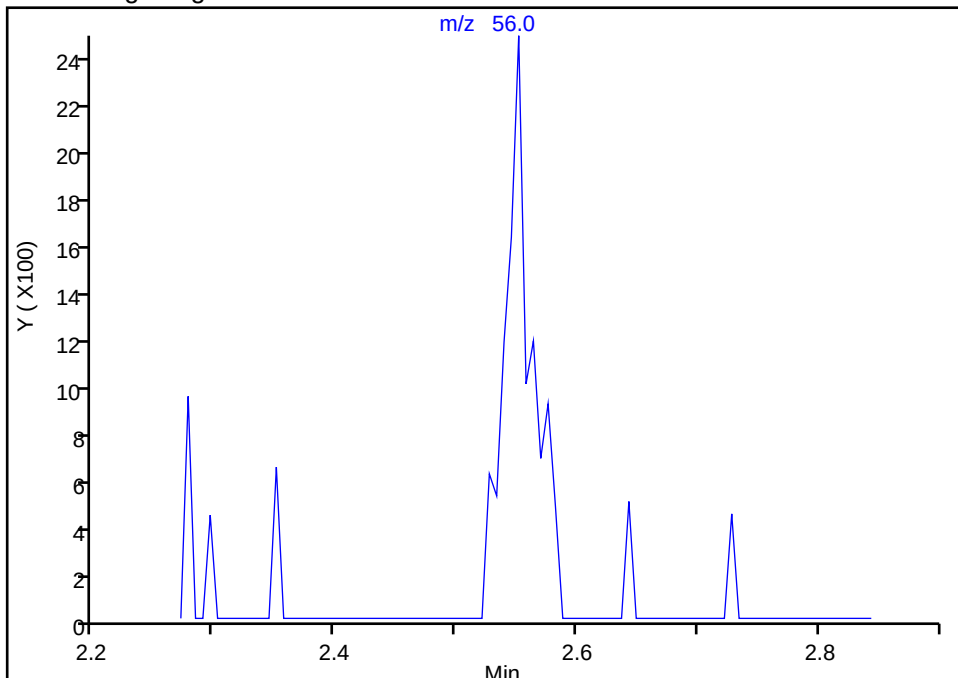
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D
Injection Date: 16-Nov-2021 18:11:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

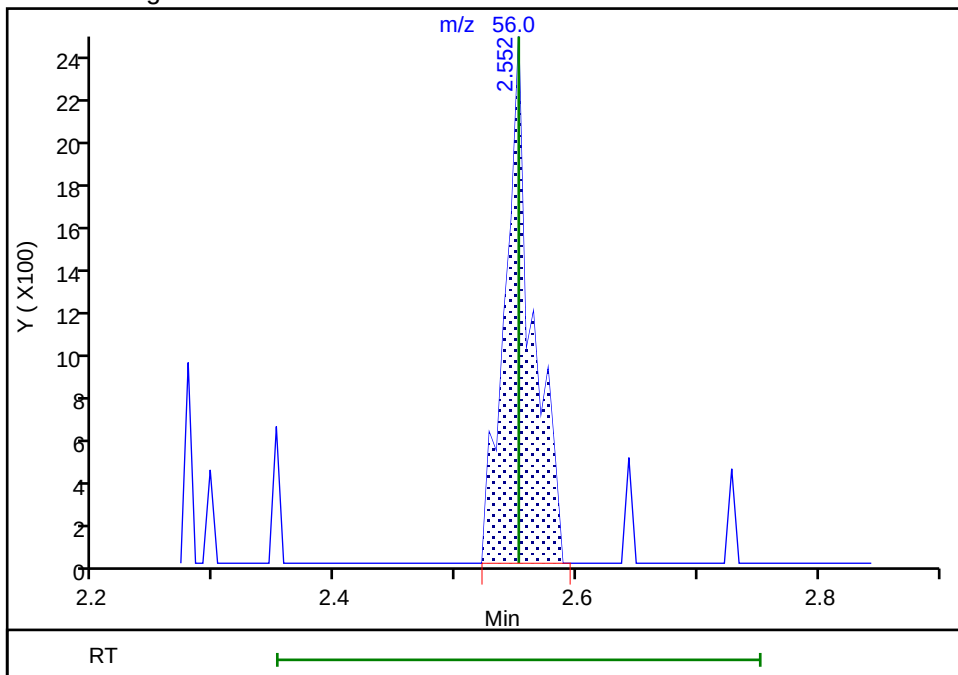
Signal: 1

Not Detected
Expected RT: 2.55

Processing Integration Results



Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:26:43

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: wd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

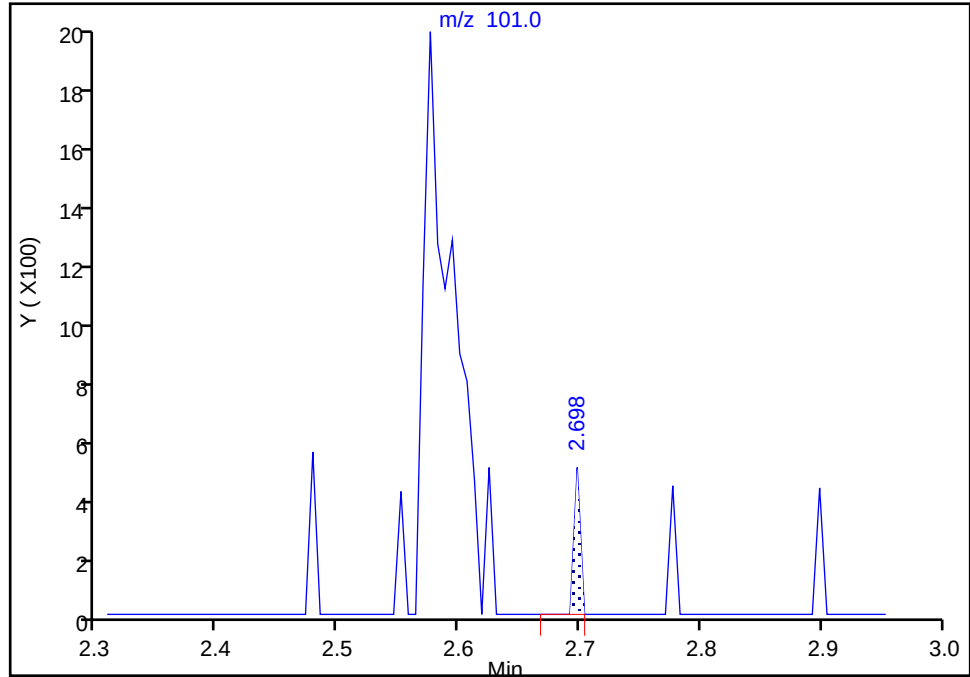
Detector: MS SCAN

21 112TCTFE, CAS: 76-13-1

Signal: 1

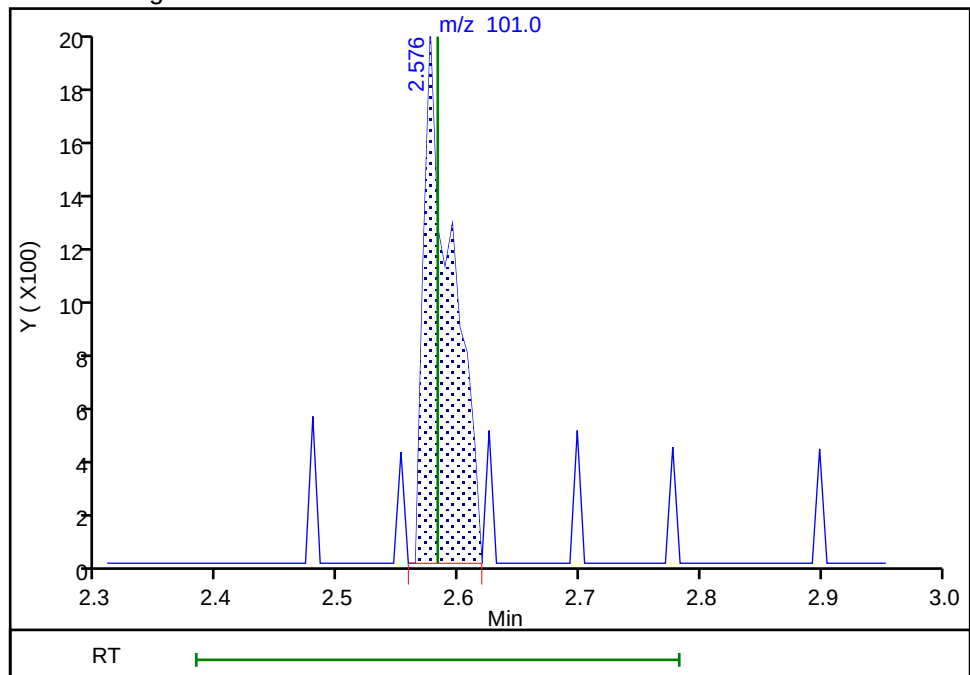
RT: 2.70
Area: 179
Amount: 0.496604
Amount Units: ug/L

Processing Integration Results



RT: 2.58
Area: 3179
Amount: 0.791821
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:26:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: wd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

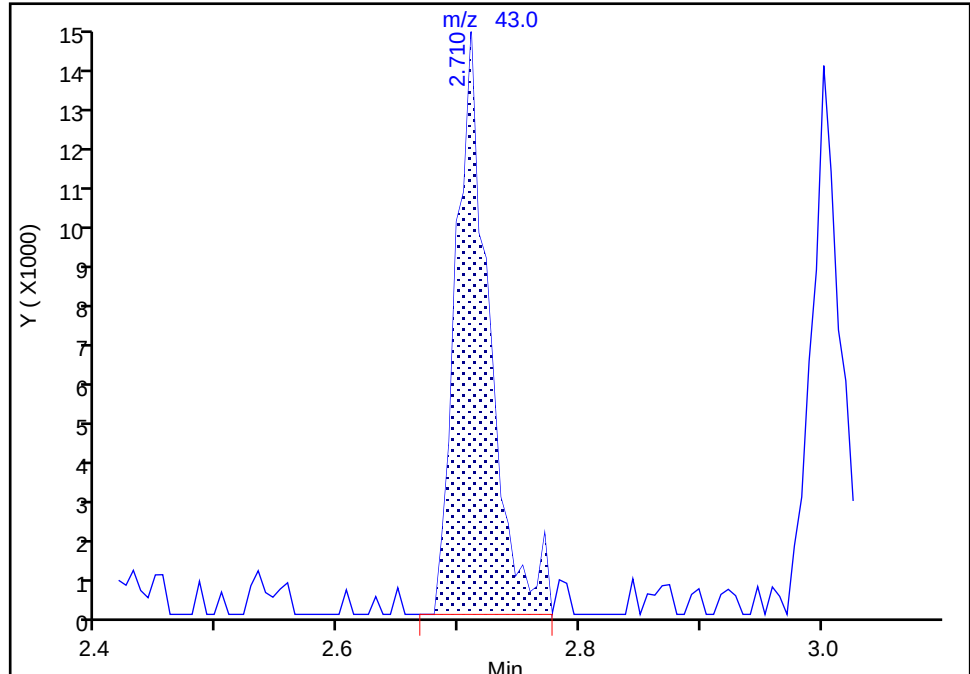
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

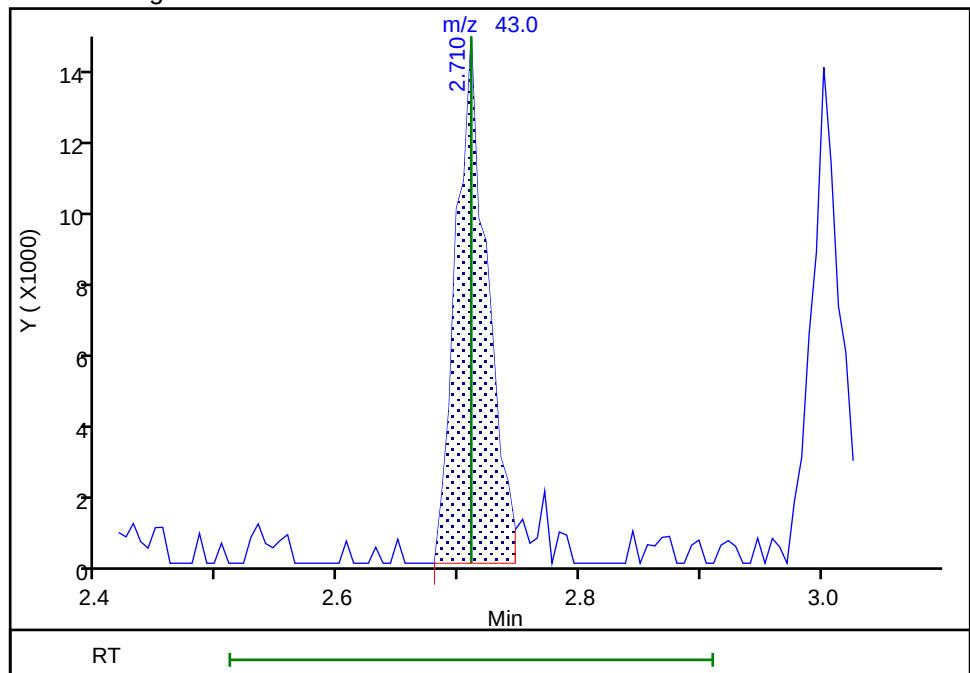
RT: 2.71
Area: 26851
Amount: 3.232016
Amount Units: ug/L

Processing Integration Results



RT: 2.71
Area: 25280
Amount: 3.028388
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:26:24

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

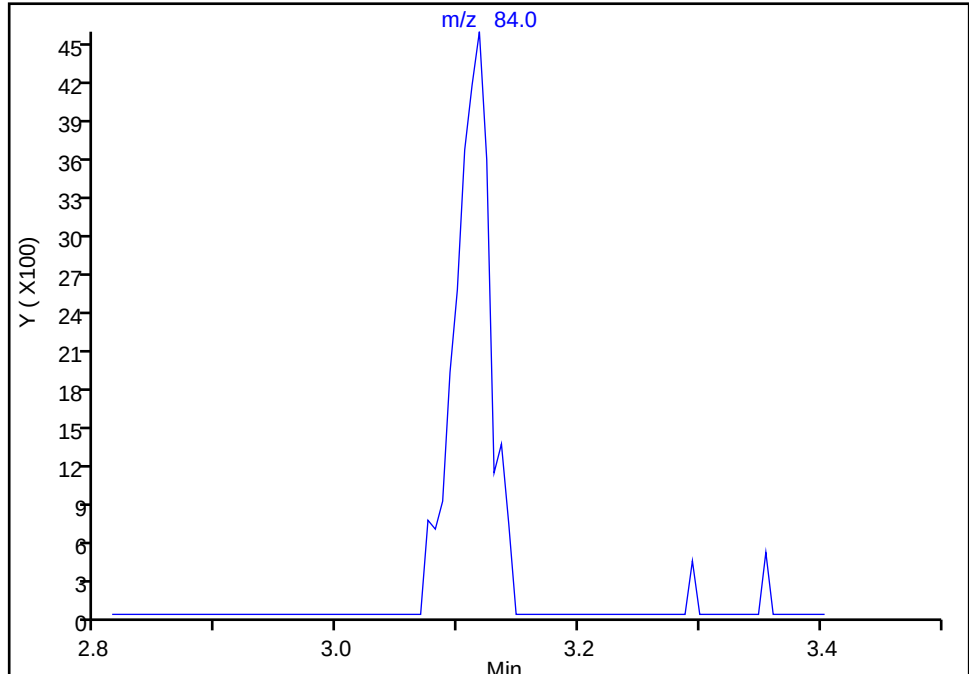
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D
Injection Date: 16-Nov-2021 18:11:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

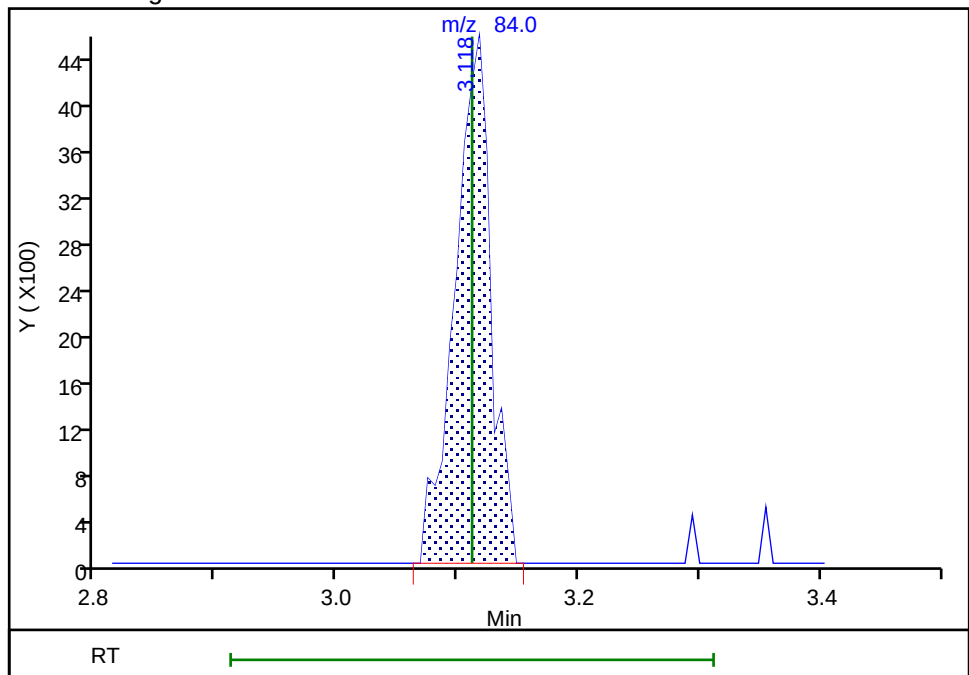
Not Detected
Expected RT: 3.11

Processing Integration Results



RT: 3.12
Area: 9375
Amount: 0.256228
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:25:55
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: wd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

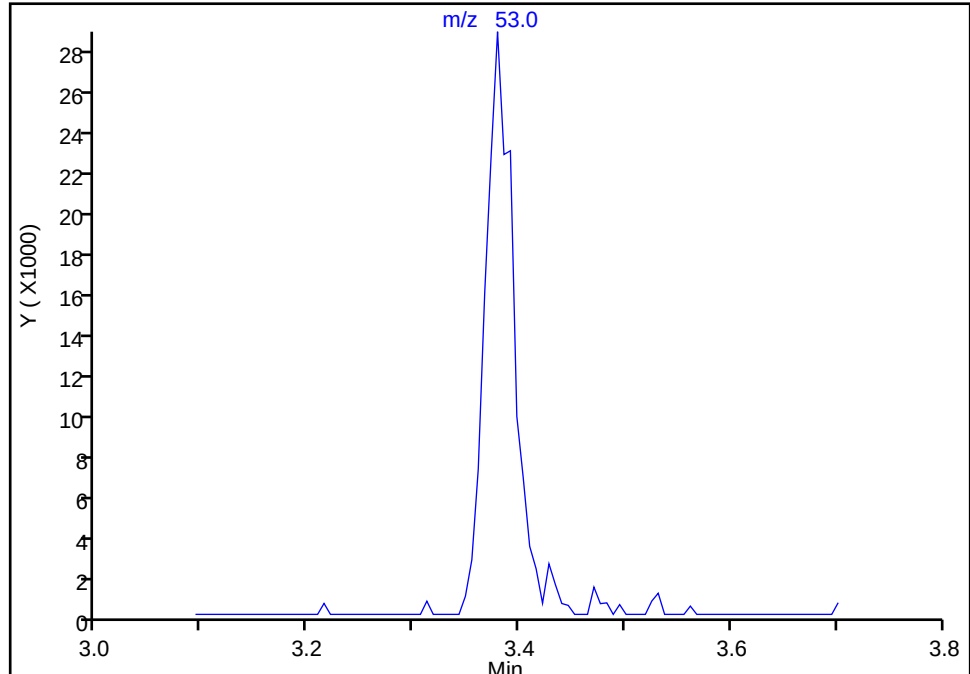
34 Acrylonitrile, CAS: 107-13-1

Signal: 1

Not Detected

Expected RT: 3.38

Processing Integration Results



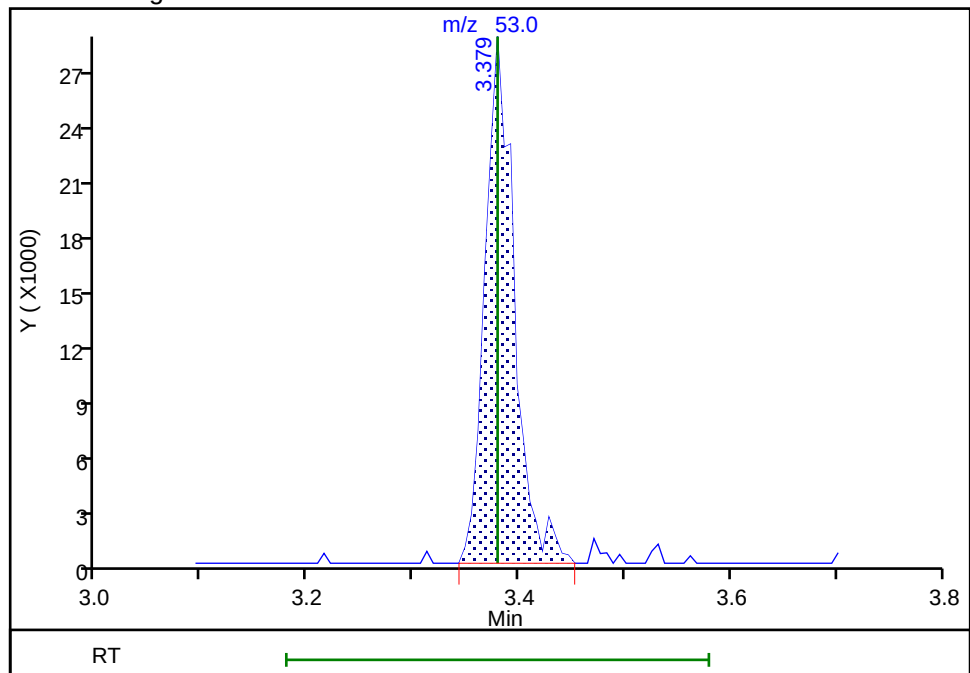
RT: 3.38

Area: 55142

Amount: 5.487010

Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:25:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: wd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

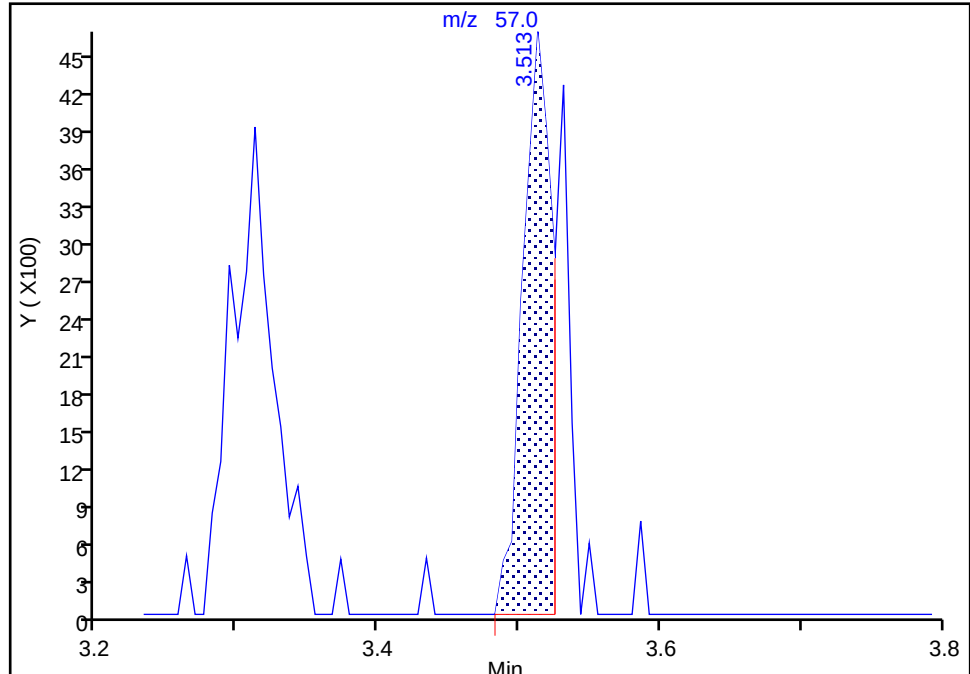
Detector: MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

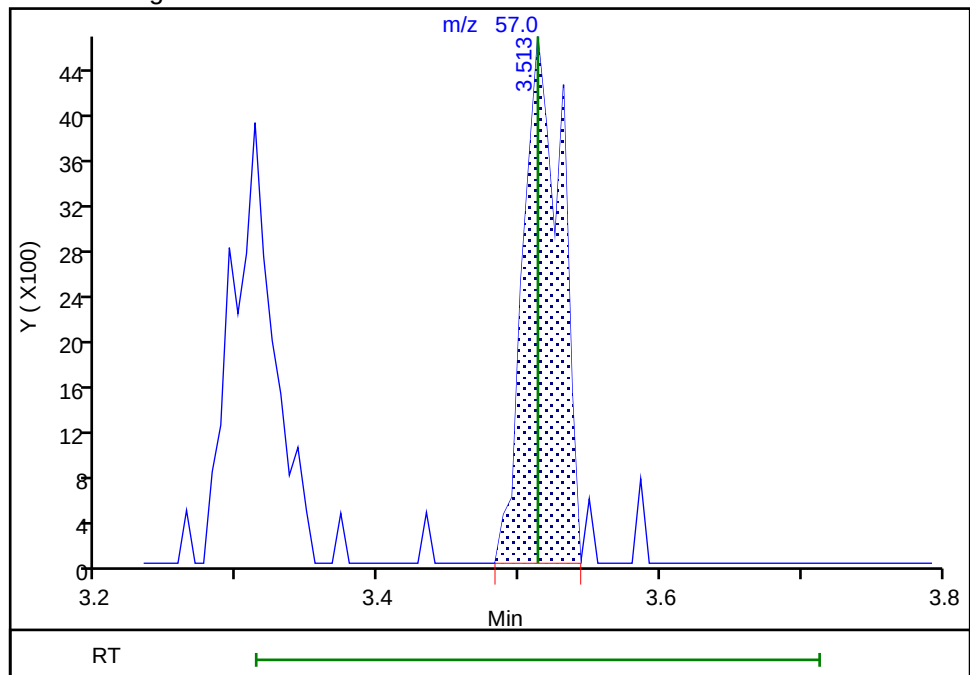
RT: 3.51
Area: 6719
Amount: 0.336124
Amount Units: ug/L

Processing Integration Results



RT: 3.51
Area: 8816
Amount: 1.002145
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:25:34

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

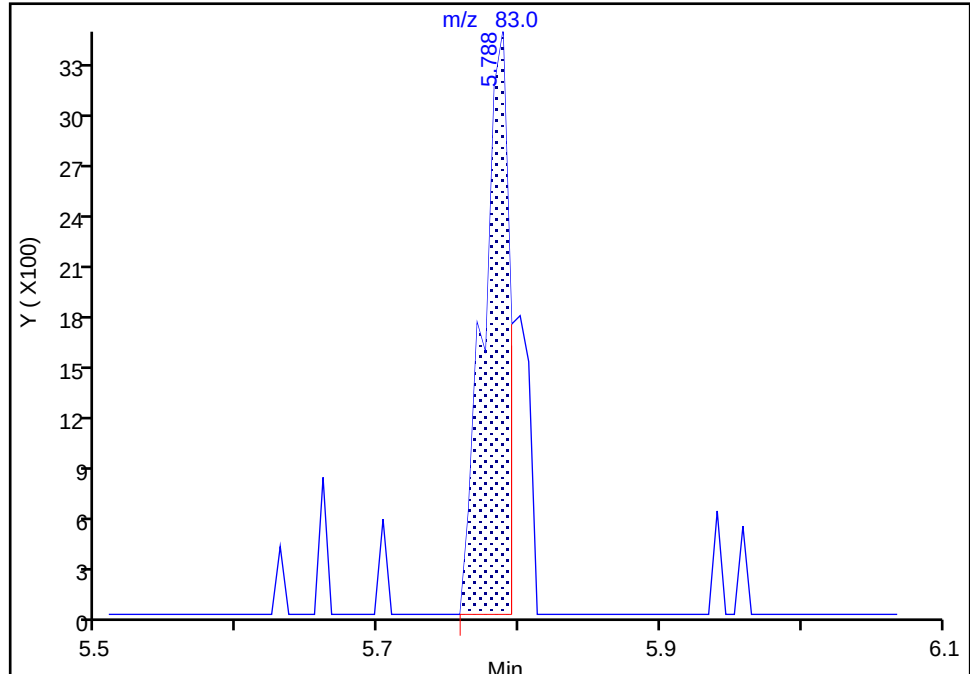
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D
Injection Date: 16-Nov-2021 18:11:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

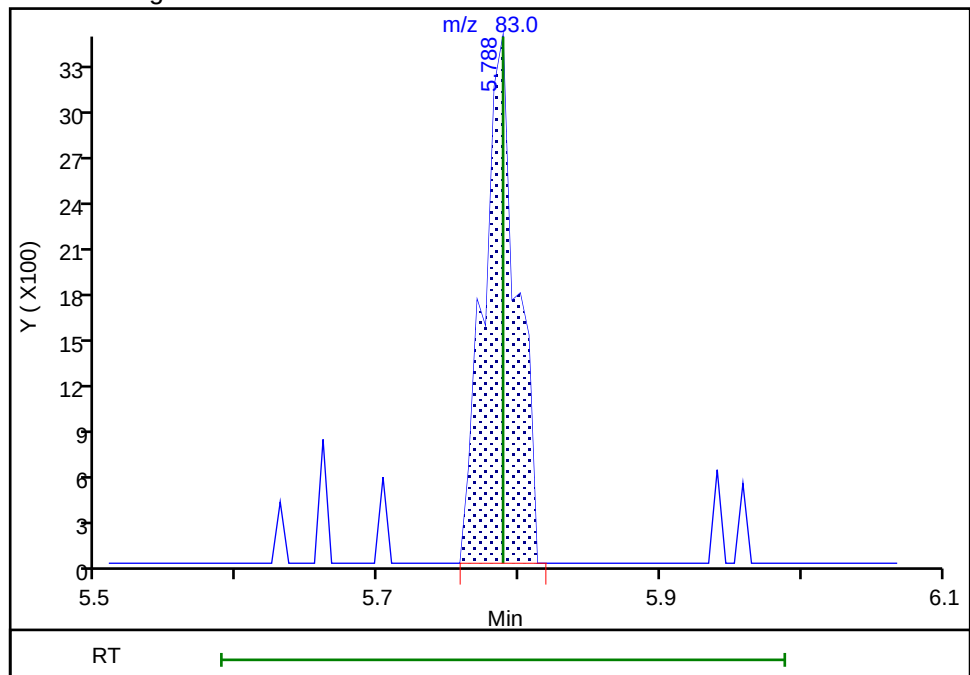
RT: 5.79
Area: 4472
Amount: 0.272343
Amount Units: ug/L

Processing Integration Results



RT: 5.79
Area: 5670
Amount: 1.007615
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:25:06

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: wd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

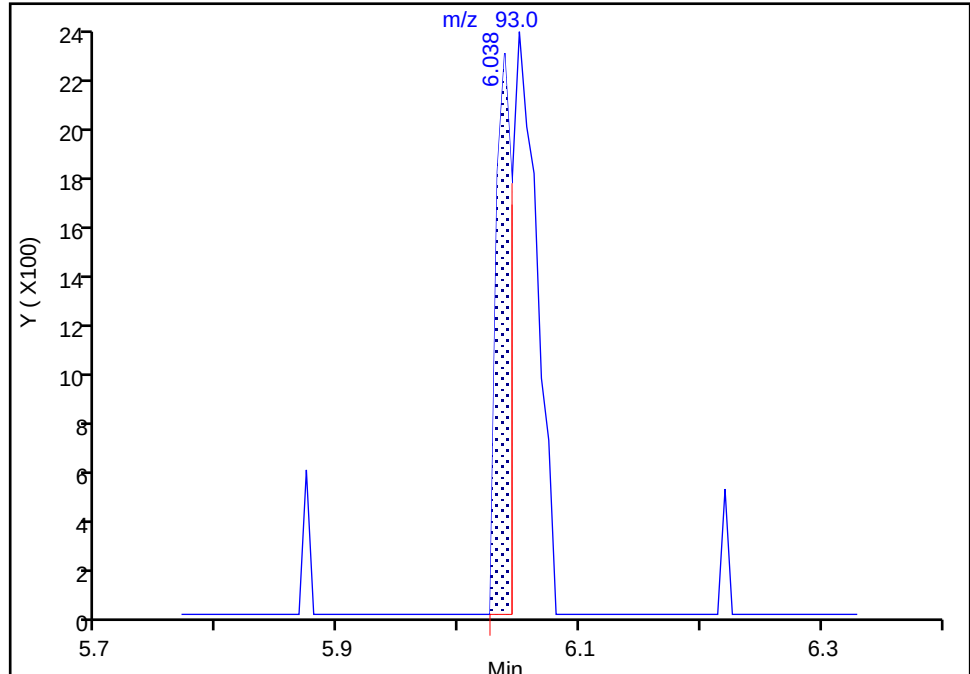
Detector: MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

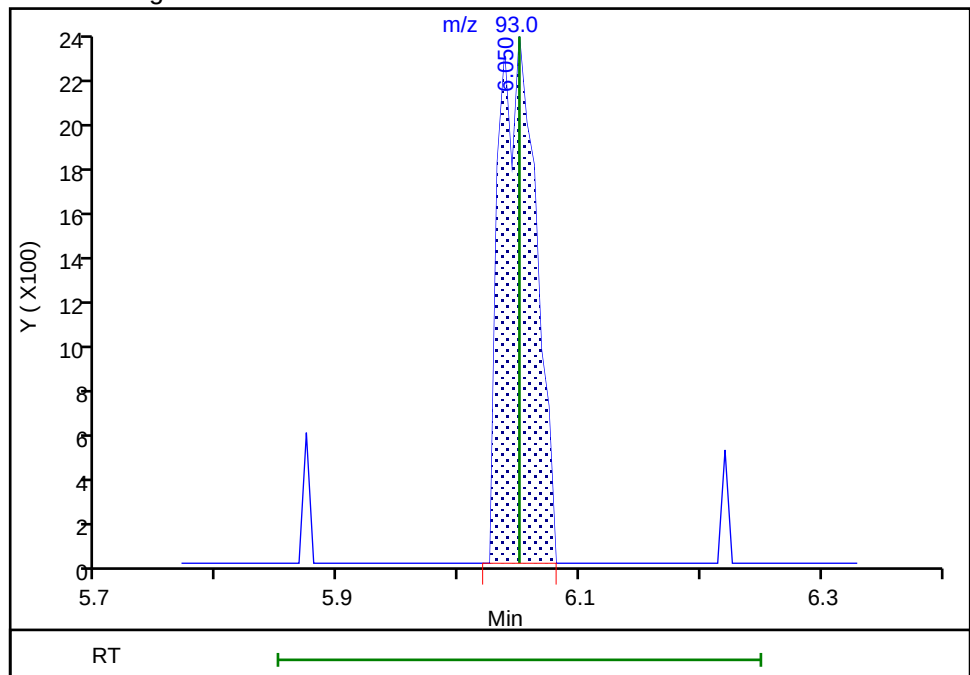
RT: 6.04
Area: 2087
Amount: 0.268928
Amount Units: ug/L

Processing Integration Results



RT: 6.05
Area: 4878
Amount: 0.589644
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:24:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

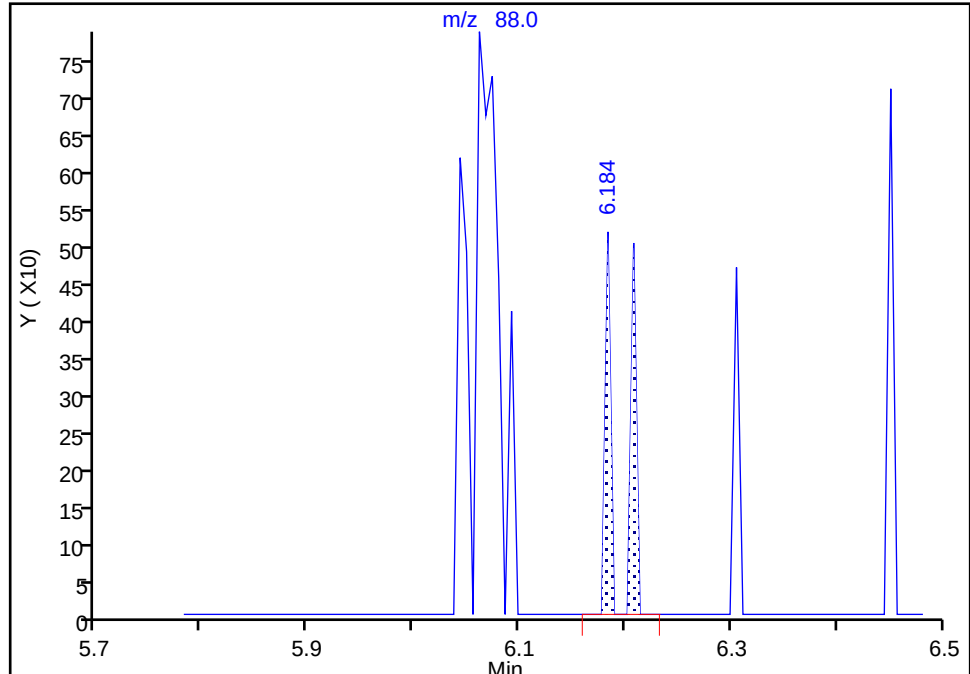
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D
Injection Date: 16-Nov-2021 18:11:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

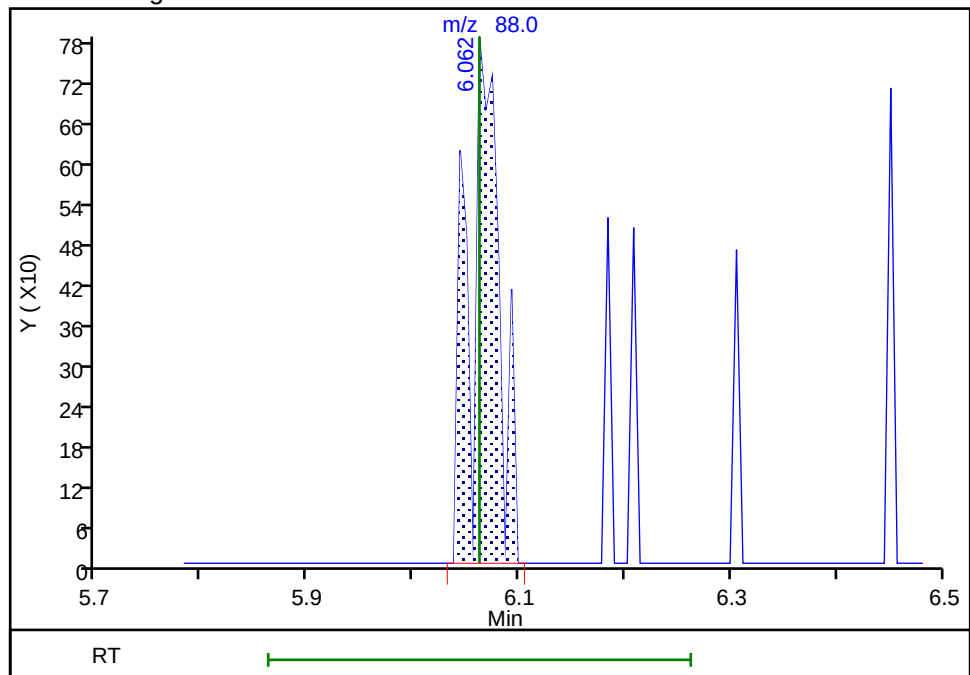
RT: 6.18
Area: 371
Amount: 3.974979
Amount Units: ug/L

Processing Integration Results



RT: 6.06
Area: 1516
Amount: 13.690151
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:24:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: wd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

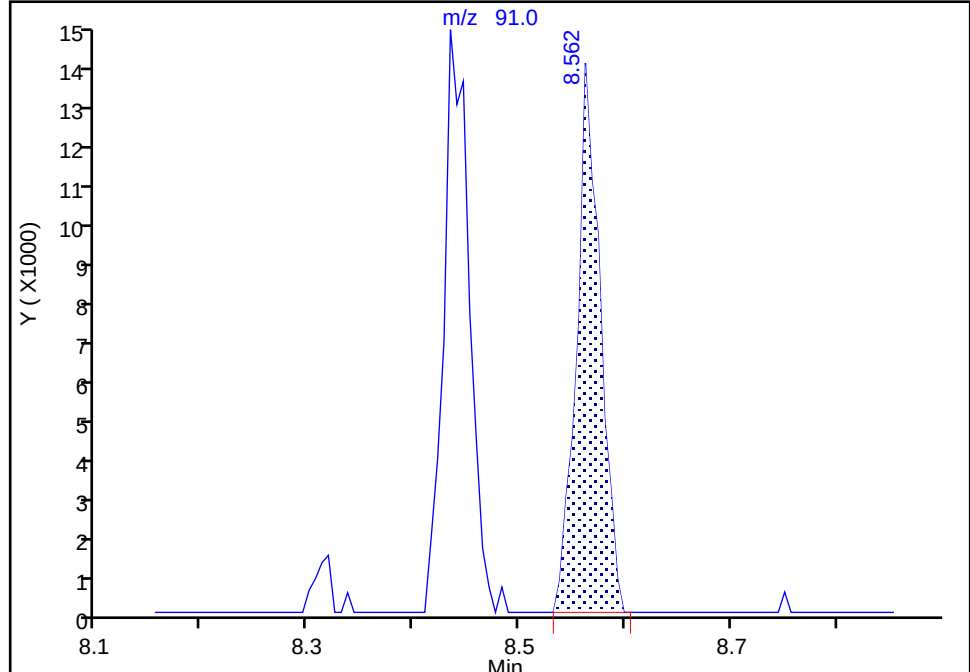
Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

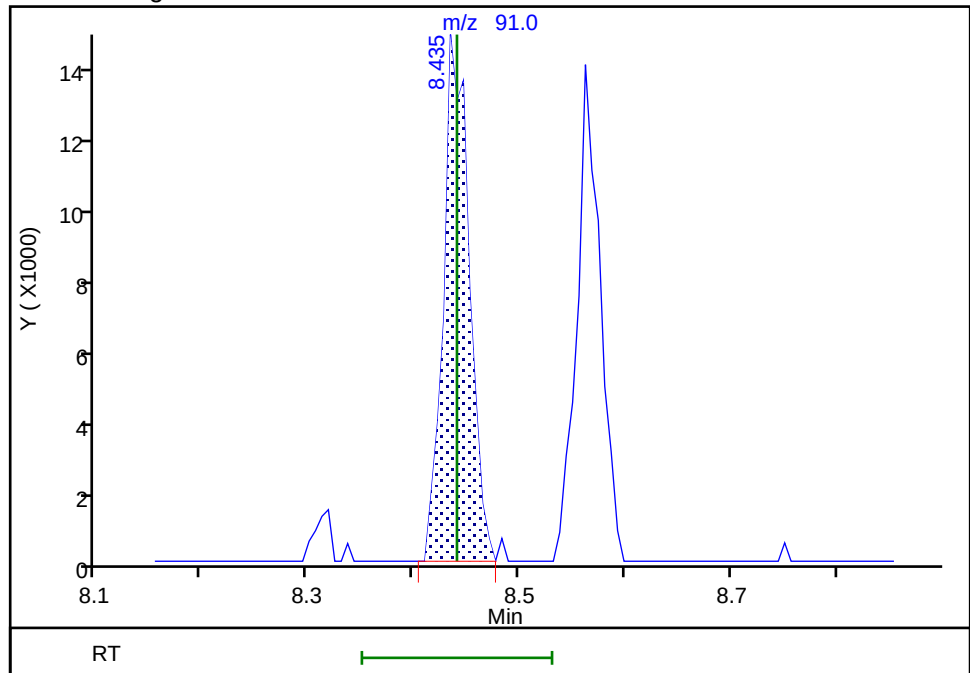
RT: 8.56
Area: 21106
Amount: 0.495830
Amount Units: ug/L

Processing Integration Results



RT: 8.43
Area: 24397
Amount: 0.467989
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:43:36

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

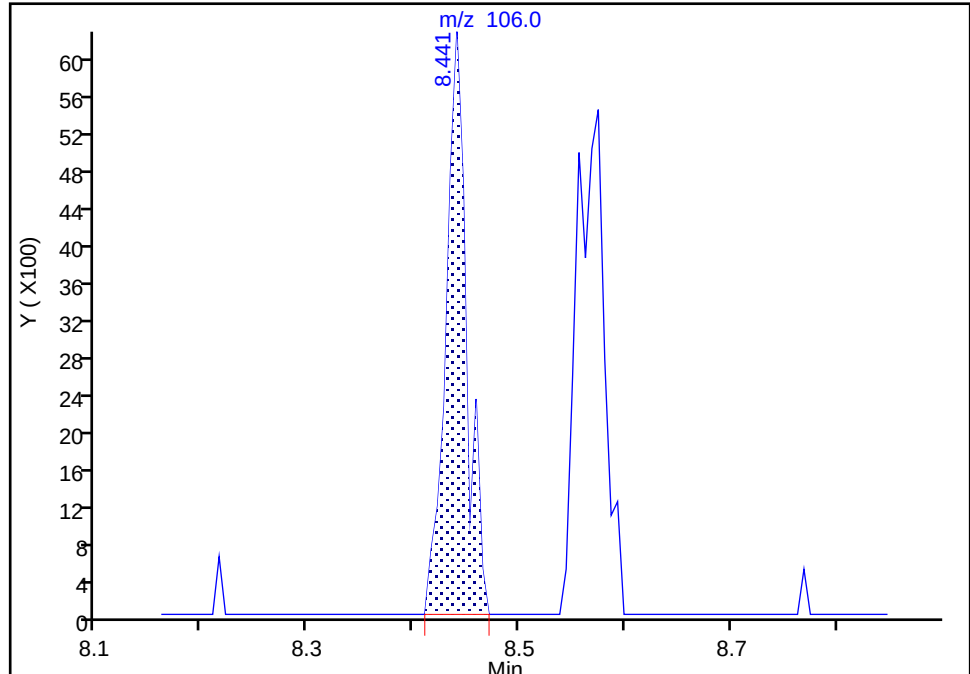
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D
Injection Date: 16-Nov-2021 18:11:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: wd ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

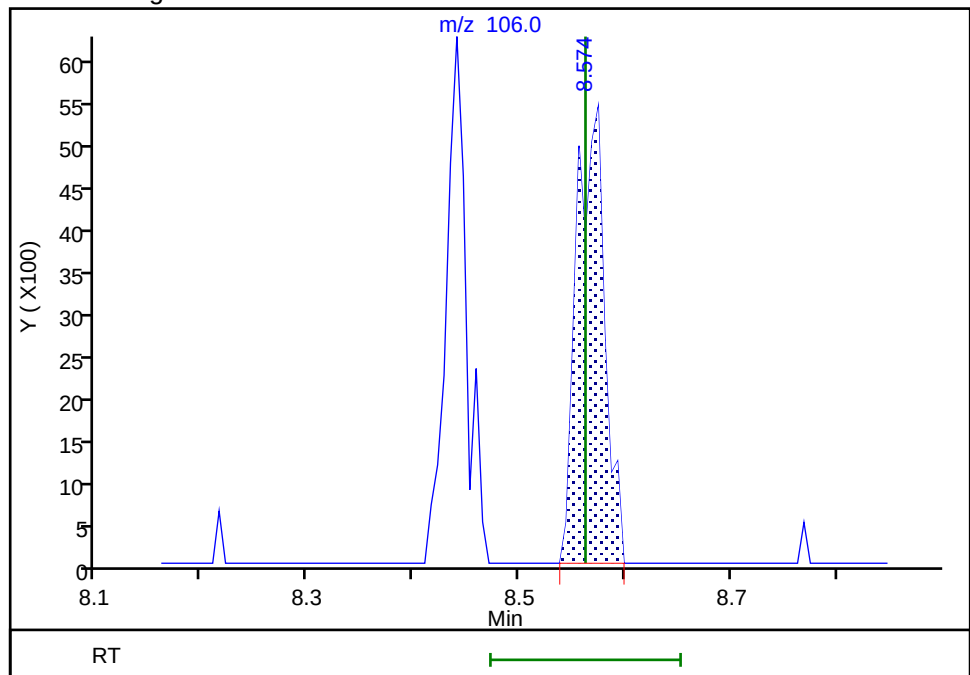
RT: 8.44
Area: 8588
Amount: 0.485584
Amount Units: ug/L

Processing Integration Results



RT: 8.57
Area: 10019
Amount: 0.492775
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:43:39

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9184.D

Injection Date: 16-Nov-2021 18:11:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: wd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

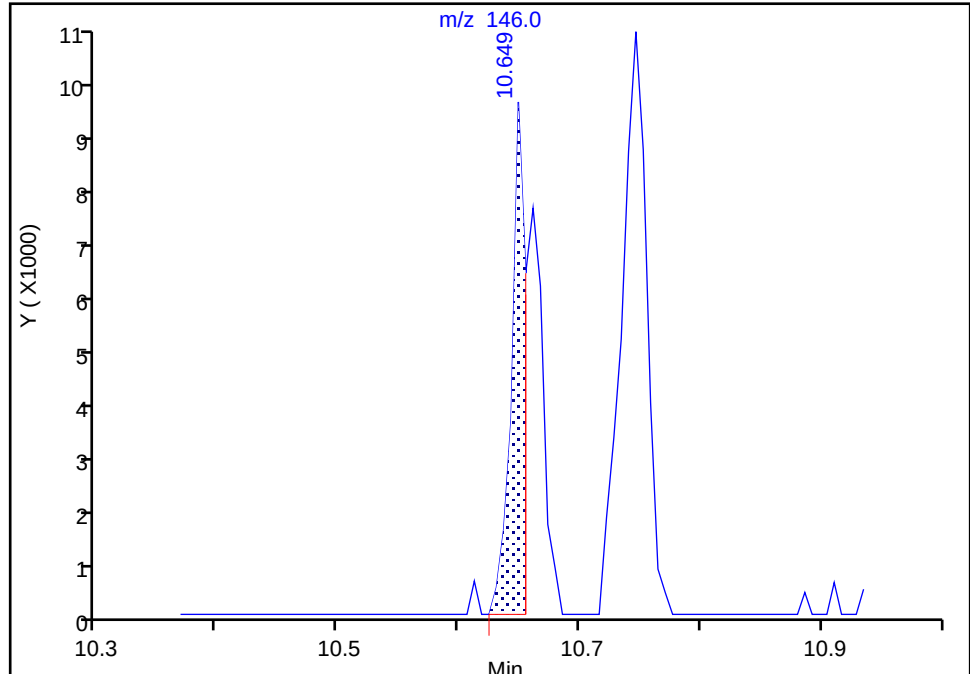
Detector: MS SCAN

110 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

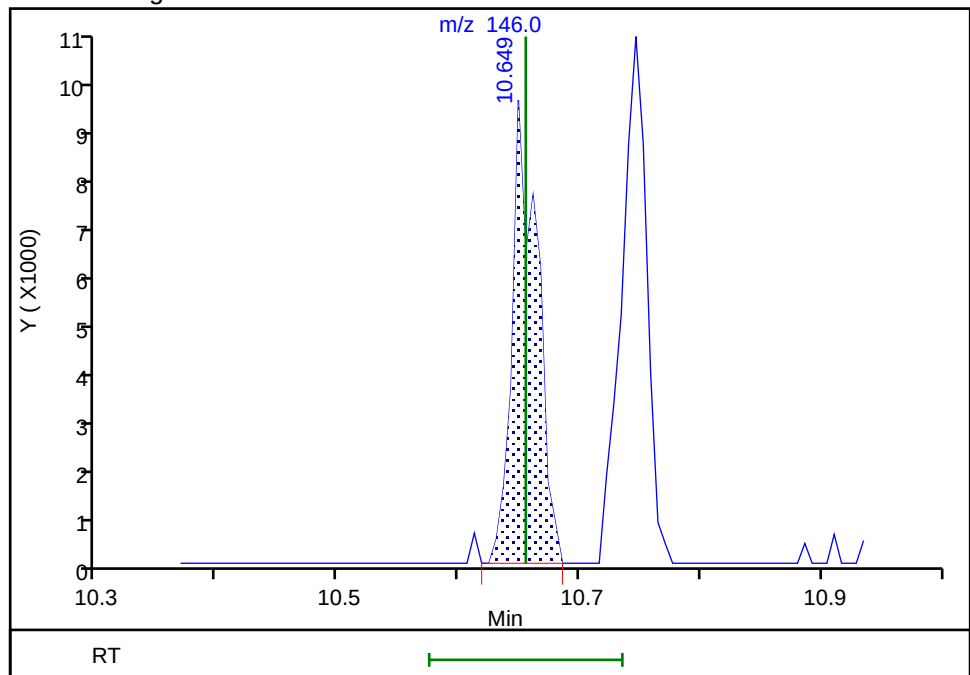
RT: 10.65
Area: 7910
Amount: 0.412026
Amount Units: ug/L

Processing Integration Results



RT: 10.65
Area: 13843
Amount: 0.531257
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:24:24

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 16-Nov-2021 18:34:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0102482-006
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:01:48 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: dahnw

Date: 16-Nov-2021 21:30:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	231905	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	736699	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	391160	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	93	307813	25.0	25.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.064	-0.006	98	435677	25.0	25.9	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	958276	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	85	265974	25.0	25.0	
11 Dichlorodifluoromethane	85	1.256	1.256	0.000	94	10940	1.00	1.08	M
13 Chloromethane	50	1.426	1.432	-0.006	98	25450	1.00	1.15	M
144 Butadiene	54	1.511	1.511	0.000	94	23626	1.00	1.18	
14 Vinyl chloride	62	1.530	1.518	0.012	55	16080	1.00	1.07	M
15 Bromomethane	94	1.803	1.810	-0.007	56	11107	1.00	1.20	M
16 Chloroethane	64	1.876	1.877	0.000	89	10461	1.00	1.04	
17 Dichlorofluoromethane	67	2.102	2.108	-0.006	94	24869	1.00	1.09	
18 Trichlorofluoromethane	101	2.114	2.108	0.006	62	20797	1.00	1.18	
19 Ethyl ether	59	2.375	2.375	0.000	96	19756	1.00	1.15	
20 Acrolein	56	2.552	2.552	0.000	0	5538	5.00	5.86	M
21 112TCTFE	101	2.588	2.582	0.006	49	6033	1.00	1.05	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	92	12681	1.00	1.18	
23 Acetone	43	2.710	2.710	0.000	98	49190	5.00	5.79	
24 Iodomethane	142	2.752	2.765	-0.013	79	20267	1.00	1.06	
25 Carbon disulfide	76	2.807	2.801	0.006	99	26453	1.00	0.9120	
27 3-Chloro-1-propene	41	2.947	2.953	-0.006	85	36392	1.00	1.05	
28 Methyl acetate	43	3.002	3.002	0.000	100	47989	2.00	2.24	
30 Methylene Chloride	84	3.117	3.111	0.006	88	17744	1.00	0.9416	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	91	23340	10.0	11.2	
32 Methyl tert-butyl ether	73	3.312	3.306	0.006	95	49246	1.00	1.12	
33 trans-1,2-Dichloroethene	96	3.318	3.324	-0.006	81	11775	1.00	0.9105	
34 Acrylonitrile	53	3.379	3.379	0.000	95	111143	10.0	10.9	
35 Hexane	57	3.513	3.513	0.000	92	13412	1.00	1.18	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.732	3.738	-0.006	95	32154	1.00	1.05	
39 Vinyl acetate	43	3.793	3.793	0.000	97	97521	2.00	2.03	
42 2,2-Dichloropropane	77	4.249	4.255	-0.006	77	11337	1.00	1.09	
43 cis-1,2-Dichloroethene	96	4.286	4.286	0.000	85	15524	1.00	1.05	
44 2-Butanone (MEK)	43	4.334	4.328	0.006	97	66643	5.00	5.43	
47 Chlorobromomethane	128	4.523	4.523	0.000	87	9366	1.00	1.18	
49 Tetrahydrofuran	42	4.547	4.547	0.000	91	19485	2.00	2.34	M
50 Chloroform	83	4.602	4.602	0.000	96	32039	1.00	1.18	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	93	17376	1.00	0.9323	
52 Cyclohexane	56	4.705	4.718	-0.013	89	17034	1.00	1.20	
53 Carbon tetrachloride	117	4.851	4.845	0.006	89	11032	1.00	0.7670	
54 1,1-Dichloropropene	75	4.863	4.864	-0.001	85	17273	1.00	1.01	
55 Benzene	78	5.064	5.064	0.000	45	52014	1.00	1.03	
56 Isobutyl alcohol	43	5.101	5.101	0.000	86	23759	25.0	27.4	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	94	30993	1.00	1.11	M
59 n-Heptane	43	5.241	5.247	-0.006	93	21233	1.00	1.22	M
60 Trichloroethene	95	5.679	5.673	0.006	91	14328	1.00	1.05	
62 Methylcyclohexane	83	5.782	5.788	-0.006	88	10805	1.00	1.23	
63 1,2-Dichloropropane	63	5.916	5.916	0.000	91	15011	1.00	1.00	
64 Dibromomethane	93	6.050	6.050	0.000	82	8517	1.00	1.01	
66 1,4-Dioxane	88	6.062	6.062	0.000	31	2702	20.0	24.4	M
67 Dichlorobromomethane	83	6.208	6.202	0.006	91	18665	1.00	1.07	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	77	7453	1.00	0.9204	
71 cis-1,3-Dichloropropene	75	6.616	6.622	-0.006	80	17370	1.00	0.9258	
72 4-Methyl-2-pentanone (MIBK)	58	6.774	6.768	0.006	98	41922	5.00	5.49	
73 Toluene	92	6.895	6.908	-0.013	94	31178	1.00	1.05	
75 trans-1,3-Dichloropropene	75	7.193	7.187	0.006	92	17533	1.00	1.05	
77 Ethyl methacrylate	69	7.236	7.236	0.000	84	10993	1.00	0.8689	
78 1,1,2-Trichloroethane	83	7.382	7.376	0.006	87	9990	1.00	1.11	
79 Tetrachloroethene	166	7.431	7.437	-0.006	92	12155	1.00	1.00	
80 1,3-Dichloropropane	76	7.540	7.540	0.000	90	18542	1.00	1.05	
82 2-Hexanone	43	7.607	7.607	0.000	94	75748	5.00	5.40	
83 Chlorodibromomethane	129	7.778	7.771	0.007	86	10698	1.00	0.9701	
84 Ethylene Dibromide	107	7.881	7.875	0.006	93	11164	1.00	1.00	
85 Chlorobenzene	112	8.355	8.349	0.006	94	32620	1.00	0.99	
88 Ethylbenzene	91	8.441	8.441	0.000	97	52064	1.00	1.00	a
89 1,1,1,2-Tetrachloroethane	131	8.447	8.453	-0.006	48	11522	1.00	0.9146	
90 m-Xylene & p-Xylene	106	8.568	8.562	0.006	96	20276	1.00	1.00	a
91 o-Xylene	106	8.988	8.988	0.000	96	20893	1.00	0.9577	a
92 Styrene	104	9.019	9.019	0.000	84	28670	1.00	0.9085	
93 Bromoform	173	9.274	9.274	0.000	89	6461	1.00	1.03	
95 Isopropylbenzene	105	9.377	9.378	-0.001	95	49786	1.00	0.8963	
97 Bromobenzene	156	9.724	9.724	0.000	92	14756	1.00	1.11	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.791	-0.006	76	17211	1.00	1.11	
100 N-Propylbenzene	91	9.809	9.809	0.000	98	55559	1.00	0.8893	
99 1,2,3-Trichloropropane	110	9.822	9.822	0.000	60	6076	1.00	1.18	
101 trans-1,4-Dichloro-2-butene	53	9.828	9.834	-0.006	56	7222	1.00	1.11	
102 2-Chlorotoluene	126	9.913	9.913	0.000	93	13112	1.00	0.9562	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	95	41189	1.00	0.8897	
105 4-Chlorotoluene	91	10.028	10.029	0.000	97	41817	1.00	1.02	
106 tert-Butylbenzene	134	10.308	10.308	0.000	93	8085	1.00	0.8518	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	97	45012	1.00	0.9748	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	96	45460	1.00	0.8226	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	83	27851	1.00	1.05	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	96	44591	1.00	0.8747	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	91	27620	1.00	1.02	
115 n-Butylbenzene	91	11.050	11.051	-0.001	95	38005	1.00	0.9009	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	96	29308	1.00	1.05	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	69	2664	1.00	0.8888	
119 1,2,4-Trichlorobenzene	180	12.511	12.511	0.000	93	21240	1.00	1.14	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	91	8599	1.00	1.07	
121 Naphthalene	128	12.723	12.724	-0.001	98	51244	1.00	0.9708	
122 1,2,3-Trichlorobenzene	180	12.930	12.924	0.006	95	20359	1.00	1.12	
S 123 1,3-Dichloropropene, Total	1				0			1.98	
S 126 Xylenes, Total	1				0			1.95	
S 125 Total BTEX	1				0			5.03	
S 124 1,2-Dichloroethene, Total	1				0			1.96	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 1.00

Units: uL

GAS CORP mix_00480

Amount Added: 1.00

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D

Injection Date: 16-Nov-2021 18:34:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: IC

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

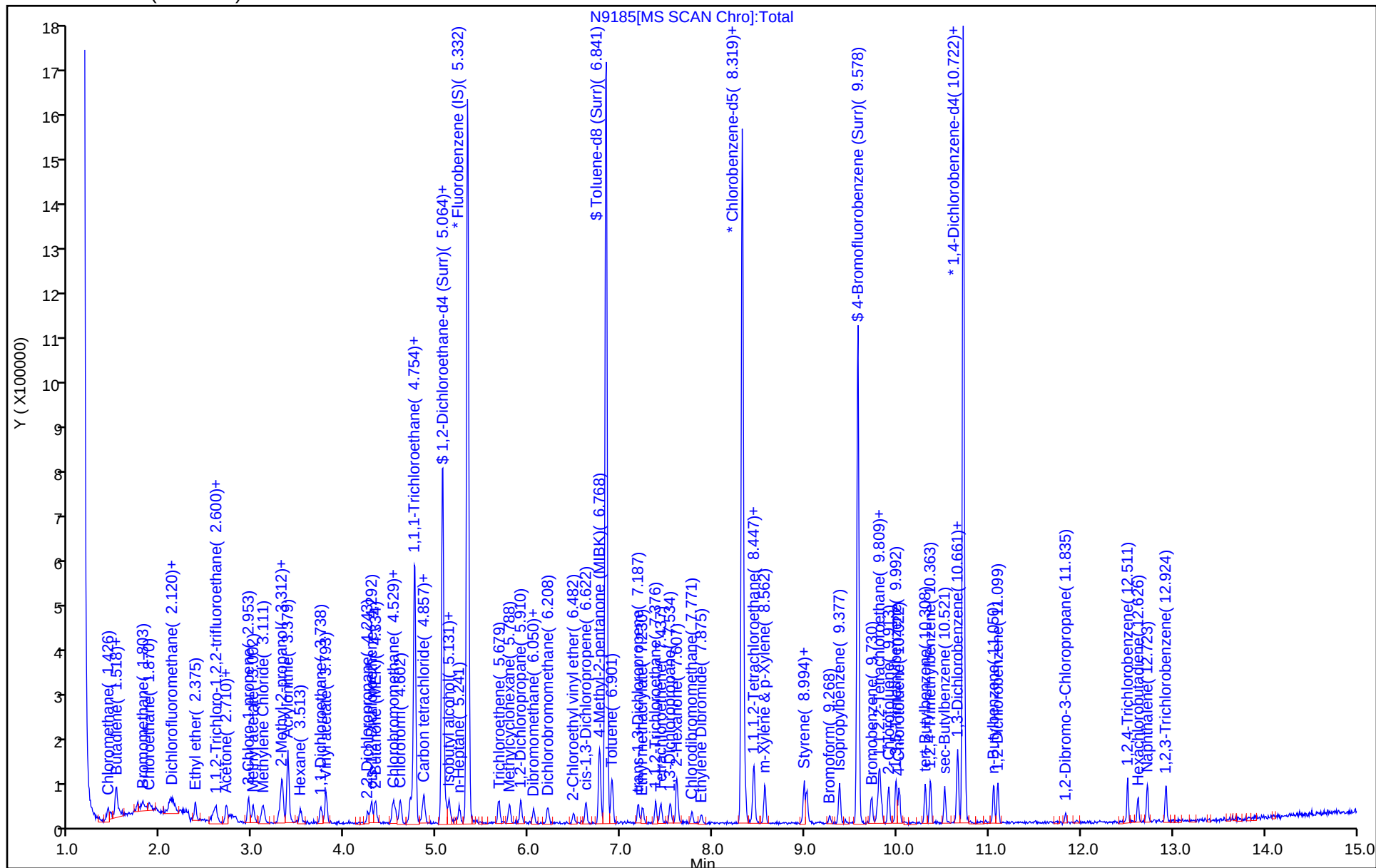
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D

Injection Date: 16-Nov-2021 18:34:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: wd

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

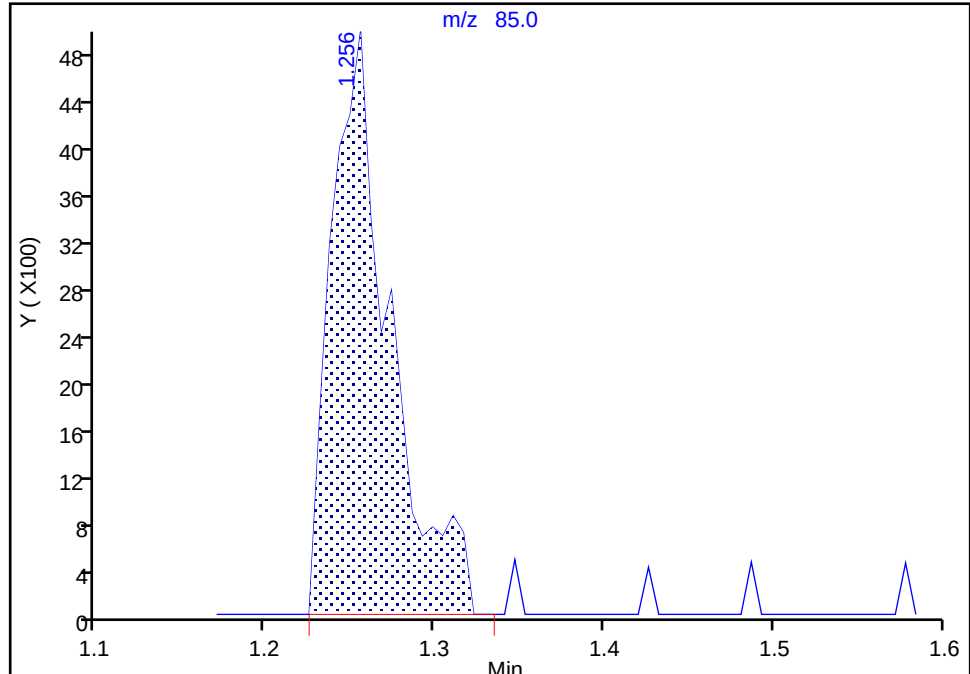
Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

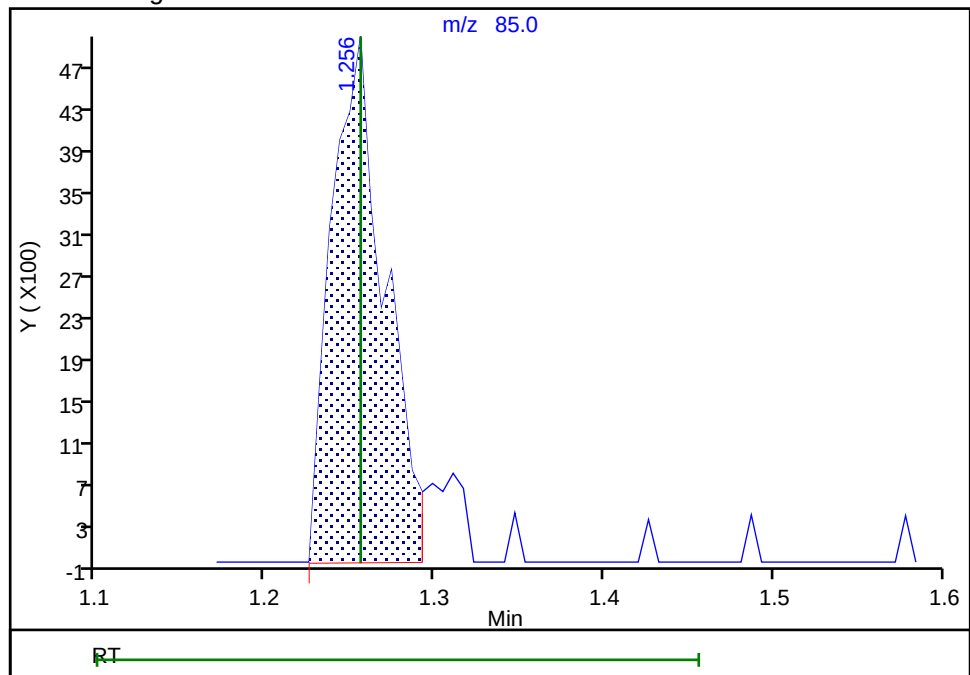
RT: 1.26
Area: 11986
Amount: 1.263973
Amount Units: ug/L

Processing Integration Results



RT: 1.26
Area: 10940
Amount: 1.079510
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:27:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

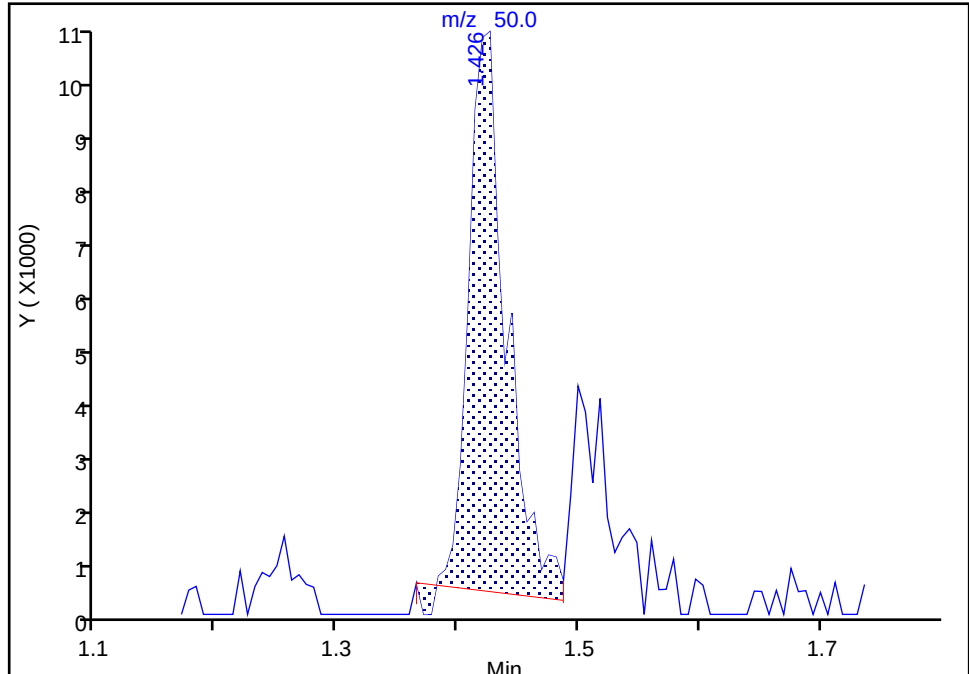
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
Injection Date: 16-Nov-2021 18:34:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

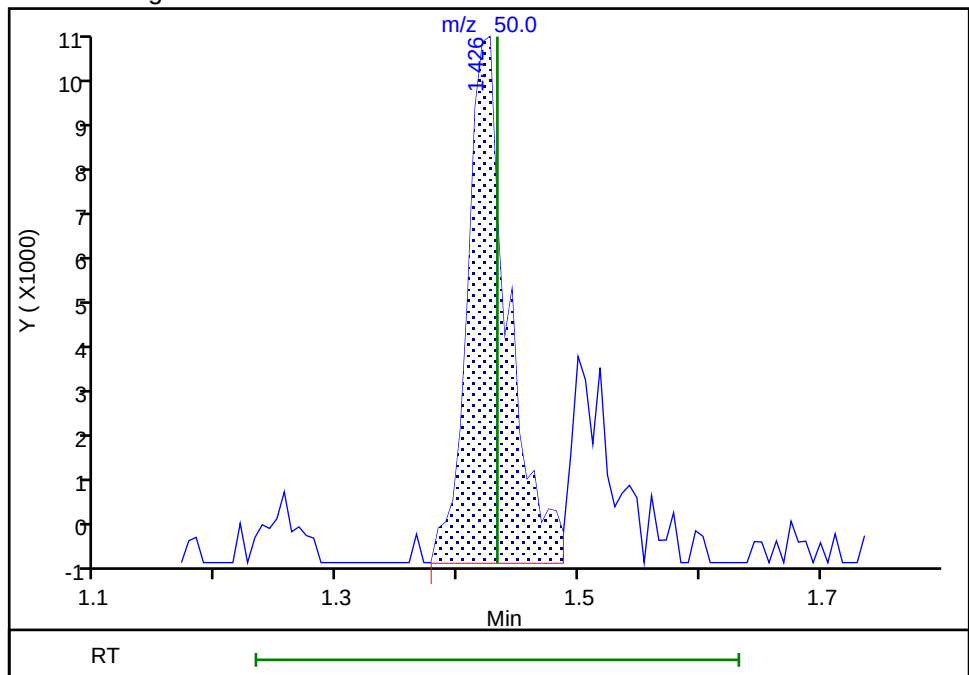
RT: 1.43
Area: 22317
Amount: 1.030467
Amount Units: ug/L

Processing Integration Results



RT: 1.43
Area: 25450
Amount: 1.151295
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:27:29

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

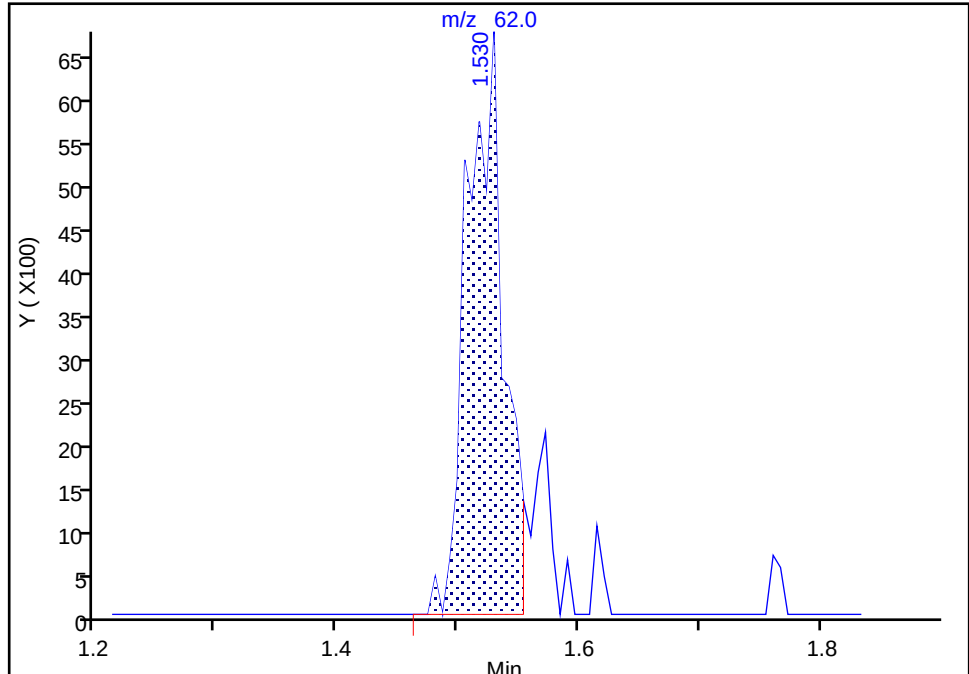
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
Injection Date: 16-Nov-2021 18:34:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Signal: 1

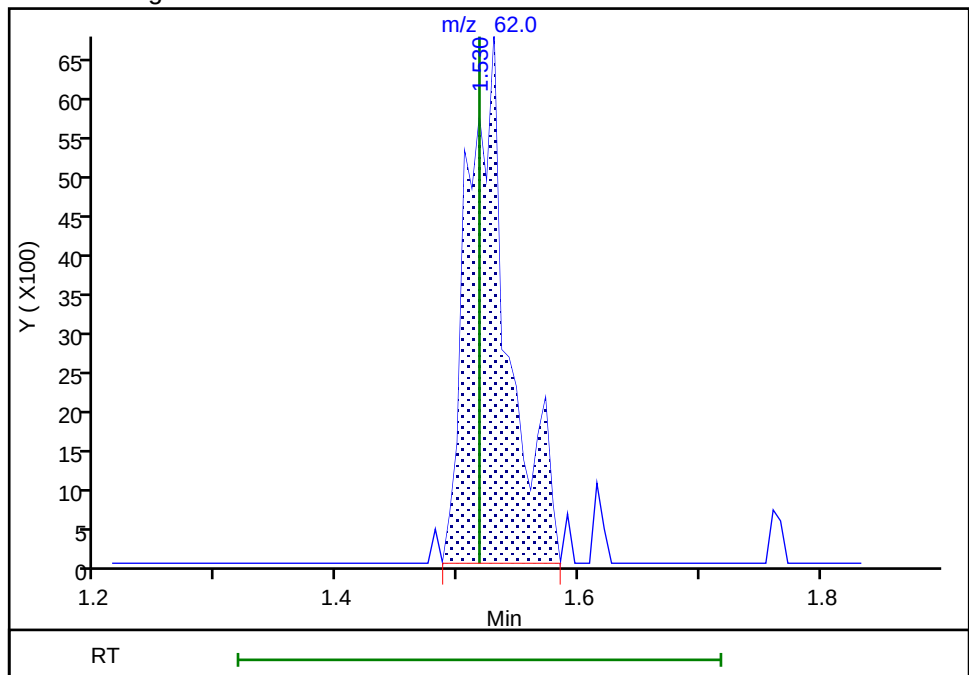
RT: 1.53
Area: 14254
Amount: 0.962378
Amount Units: ug/L

Processing Integration Results



RT: 1.53
Area: 16080
Amount: 1.069186
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:27:43
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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12/08/2021

Eurofins TestAmerica, Buffalo

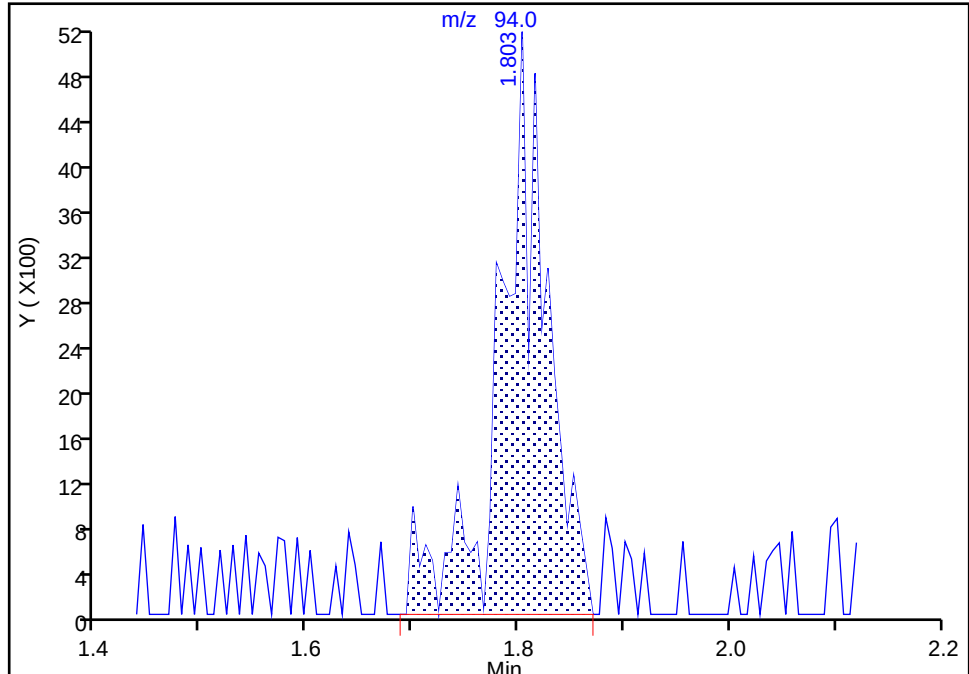
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
Injection Date: 16-Nov-2021 18:34:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

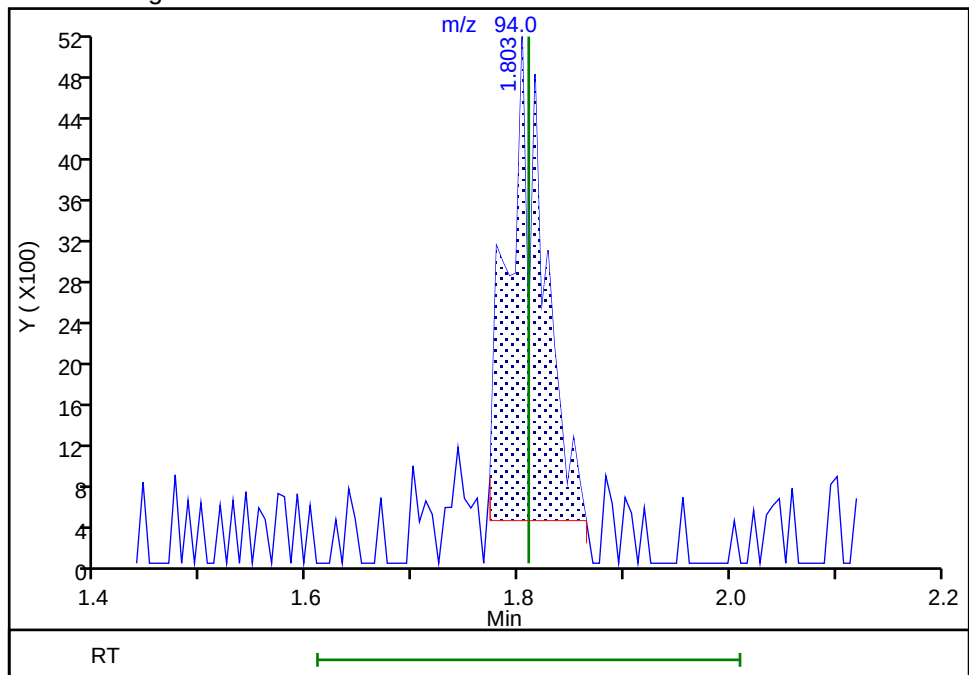
RT: 1.80
Area: 15944
Amount: 1.167926
Amount Units: ug/L

Processing Integration Results



RT: 1.80
Area: 11107
Amount: 1.198354
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:55:04

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

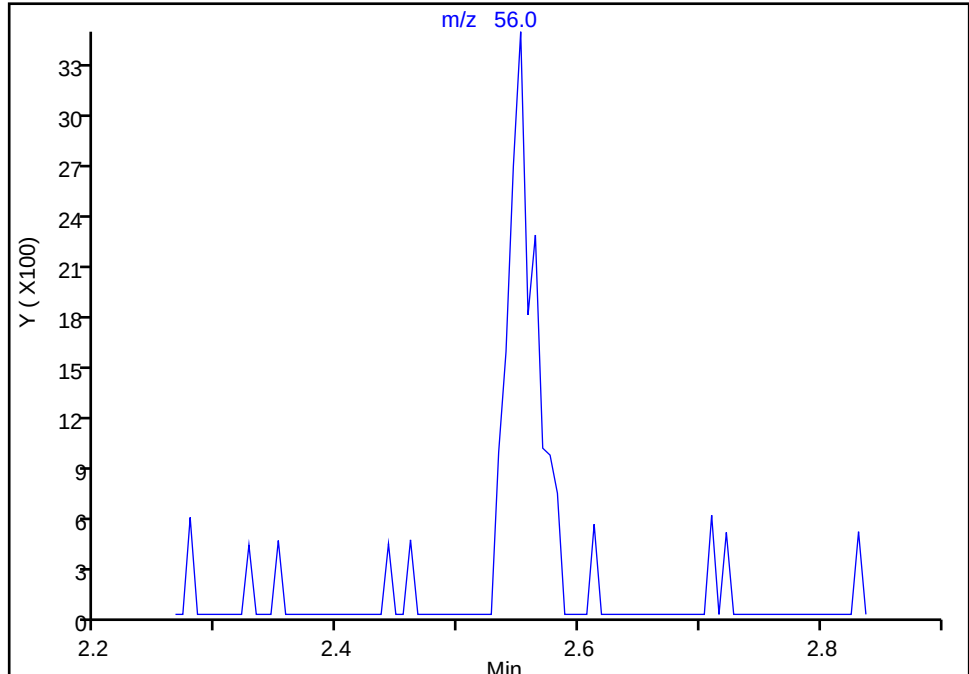
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
Injection Date: 16-Nov-2021 18:34:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

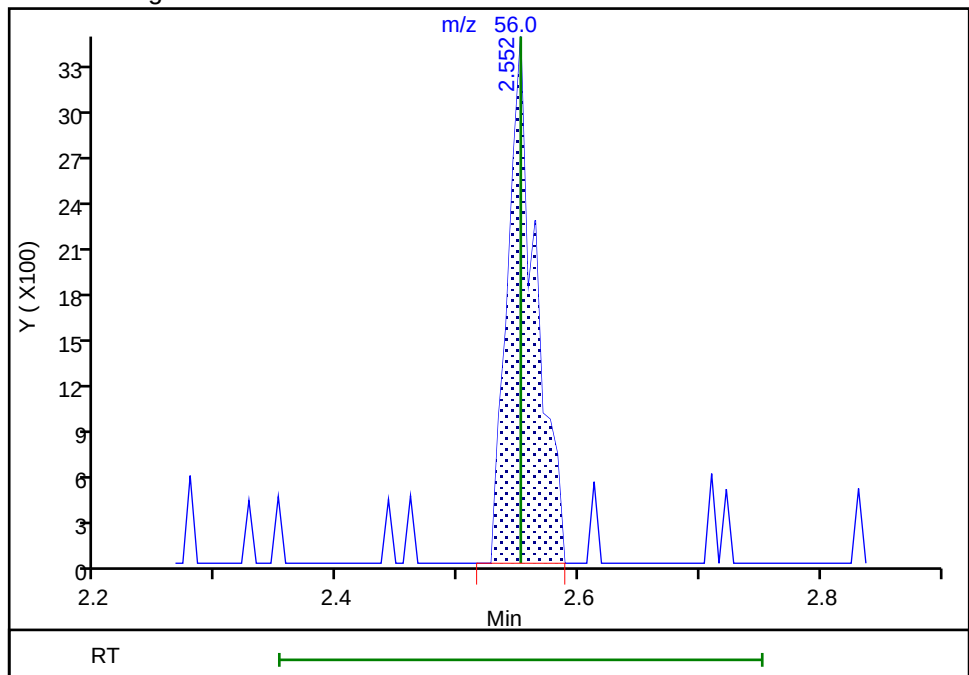
Signal: 1

Not Detected
Expected RT: 2.55

Processing Integration Results



Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:28:00
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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12/08/2021

Eurofins TestAmerica, Buffalo

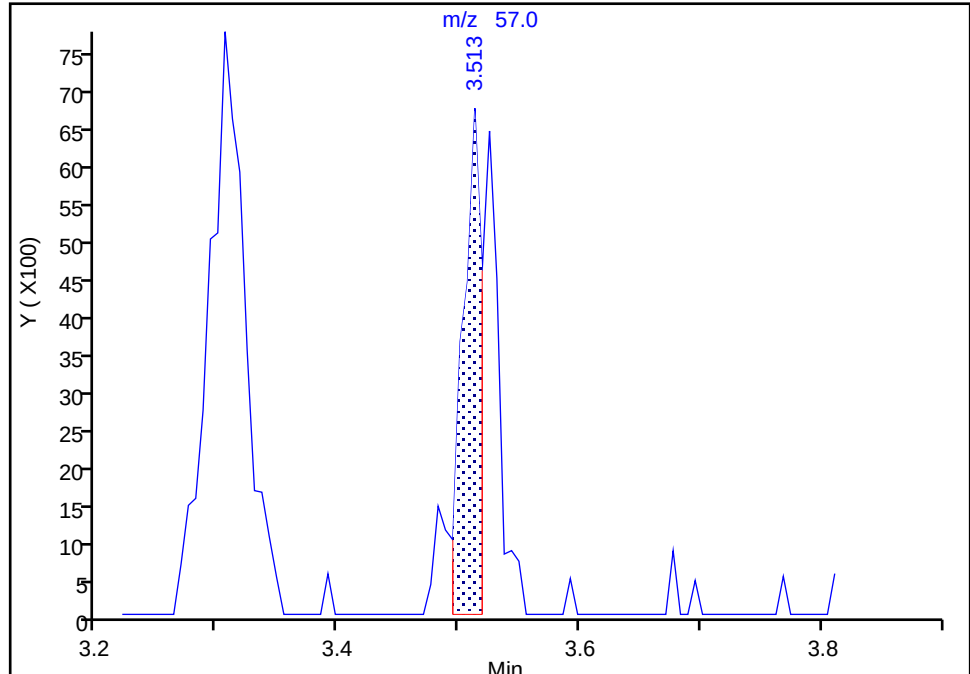
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
Injection Date: 16-Nov-2021 18:34:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

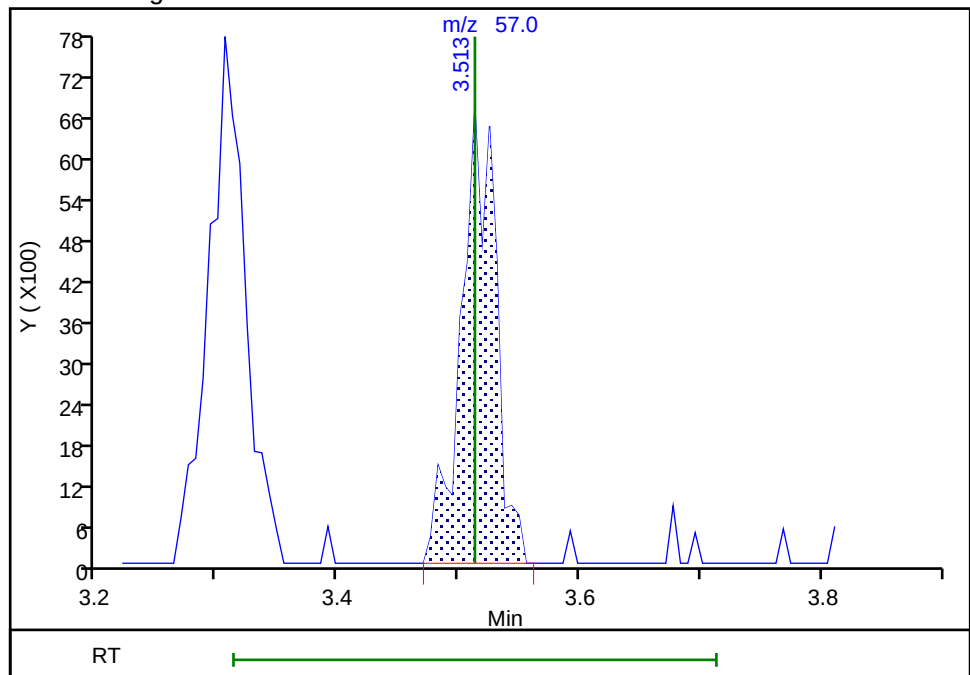
RT: 3.51
Area: 7465
Amount: 0.356321
Amount Units: ug/L

Processing Integration Results



RT: 3.51
Area: 13412
Amount: 1.177594
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:28:32

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D

Injection Date: 16-Nov-2021 18:34:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: wd

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

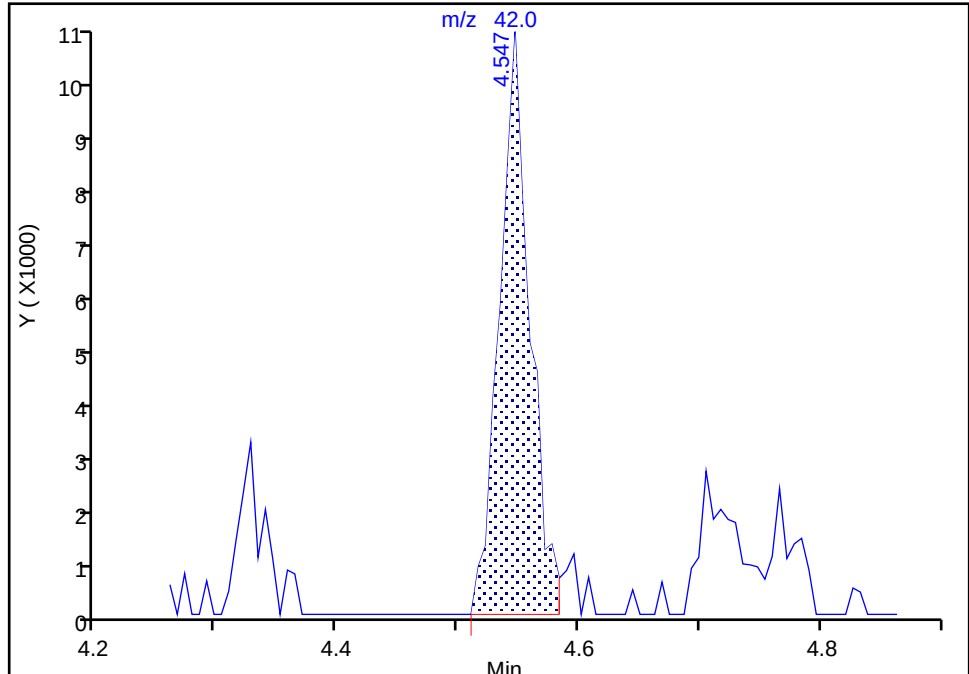
MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

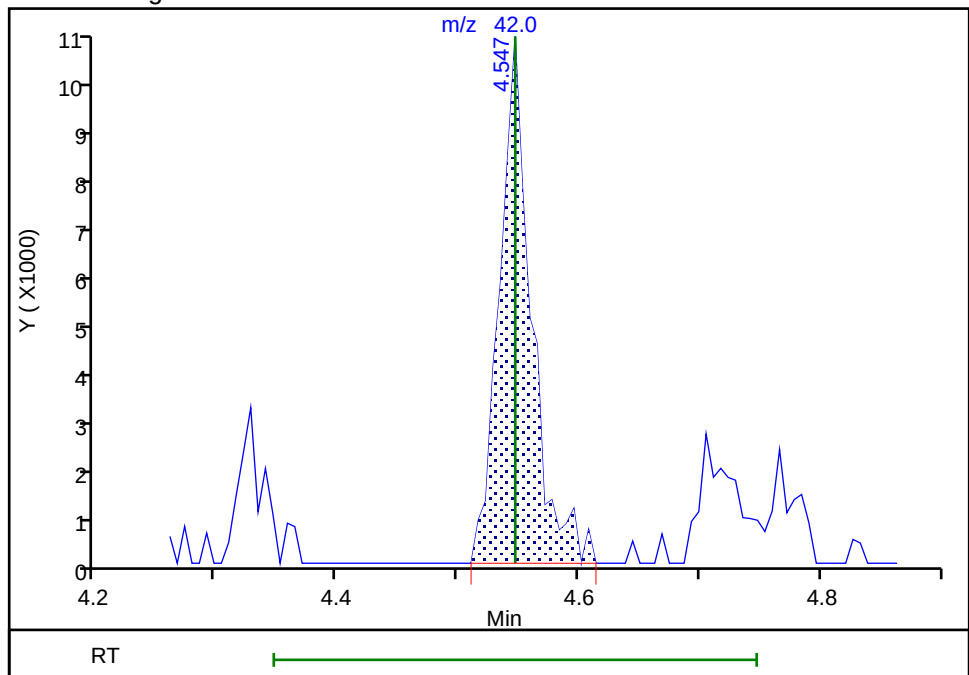
RT: 4.55
Area: 18538
Amount: 3.015498
Amount Units: ug/L

Processing Integration Results



RT: 4.55
Area: 19485
Amount: 2.338335
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:28:50

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D

Injection Date: 16-Nov-2021 18:34:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: wd

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

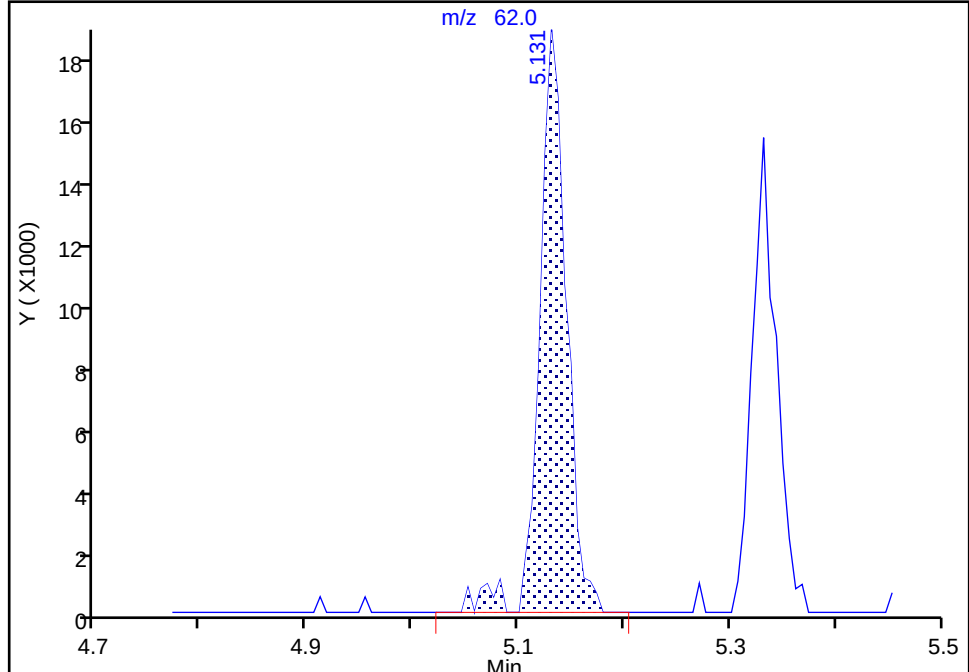
MS SCAN

57 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

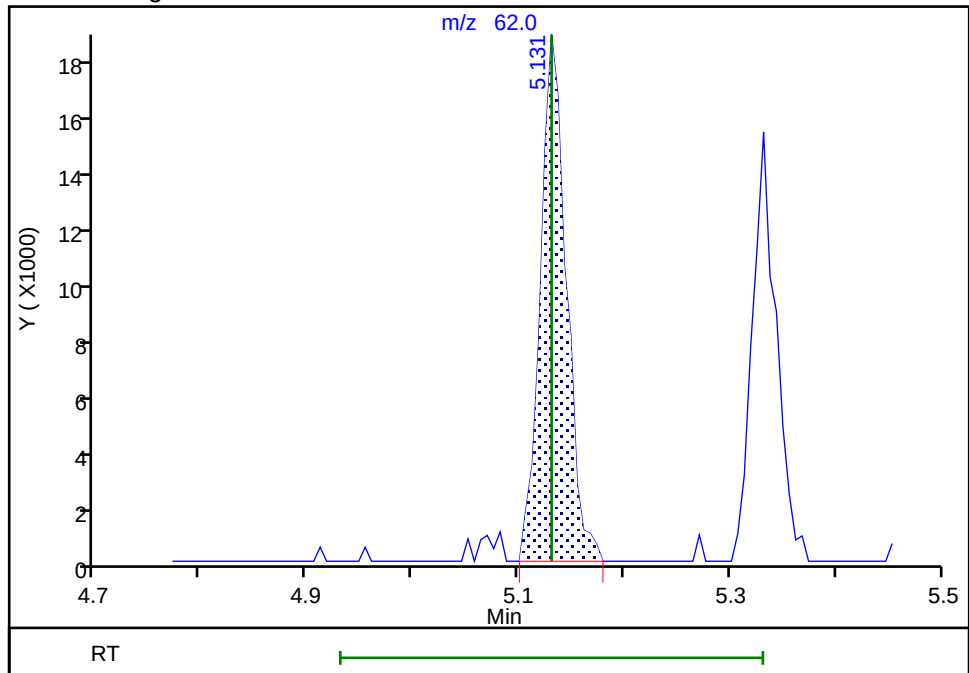
RT: 5.13
Area: 32408
Amount: 1.153091
Amount Units: ug/L

Processing Integration Results



RT: 5.13
Area: 30993
Amount: 1.109729
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:29:12

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

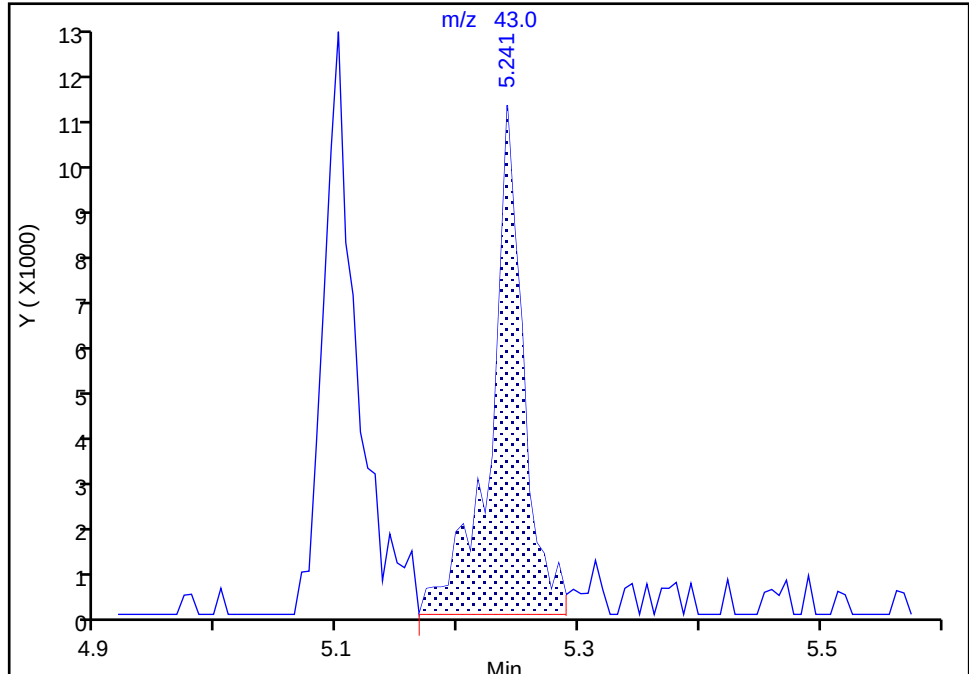
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
Injection Date: 16-Nov-2021 18:34:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

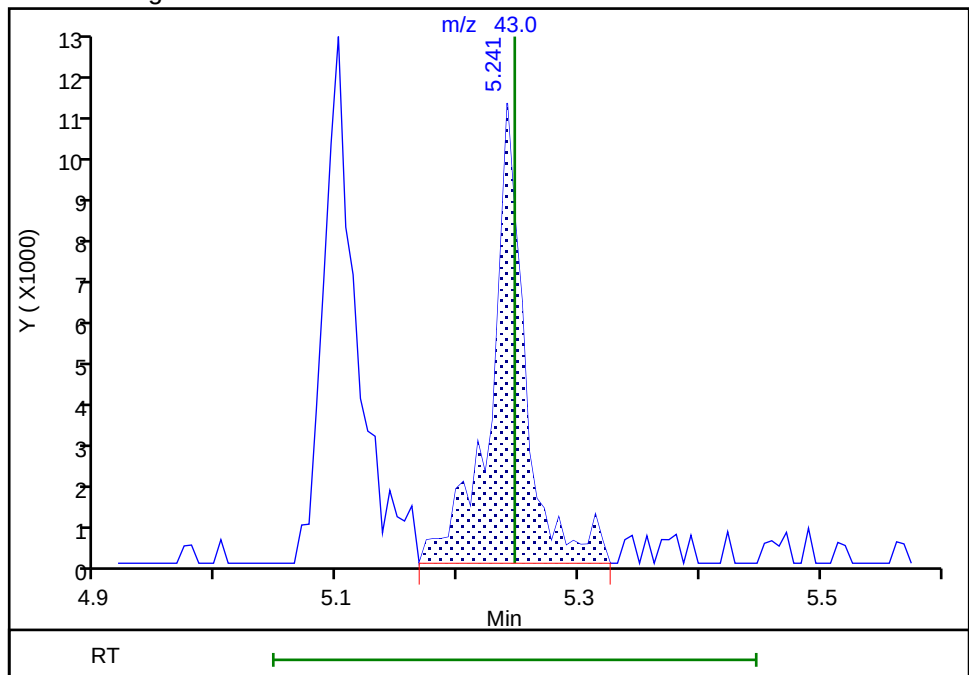
RT: 5.24
Area: 20110
Amount: 0.766182
Amount Units: ug/L

Processing Integration Results



RT: 5.24
Area: 21233
Amount: 1.218429
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:29:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D

Injection Date: 16-Nov-2021 18:34:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: wd

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

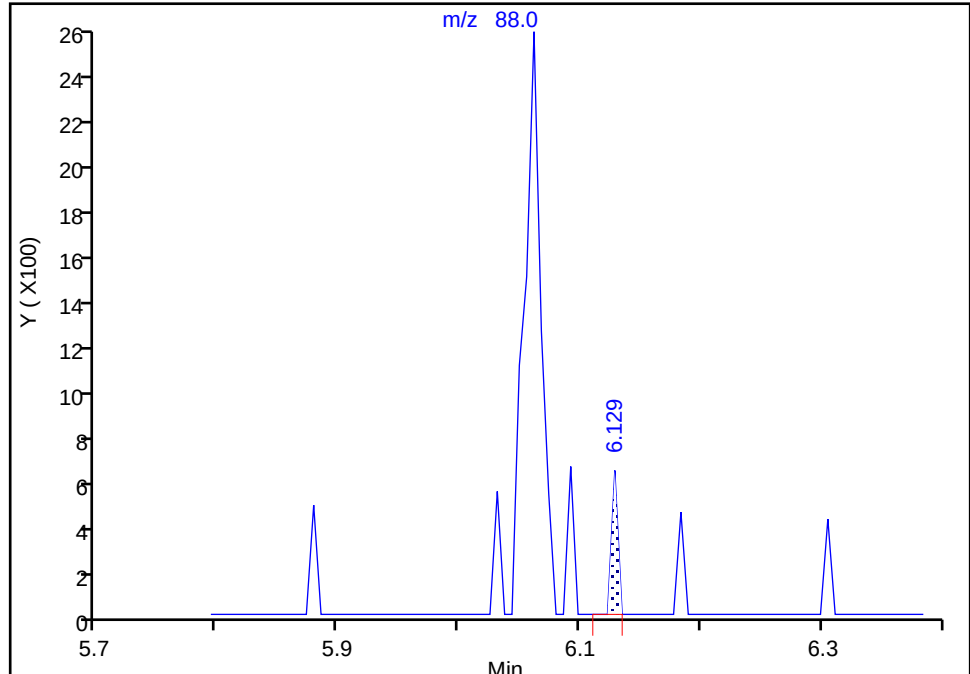
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

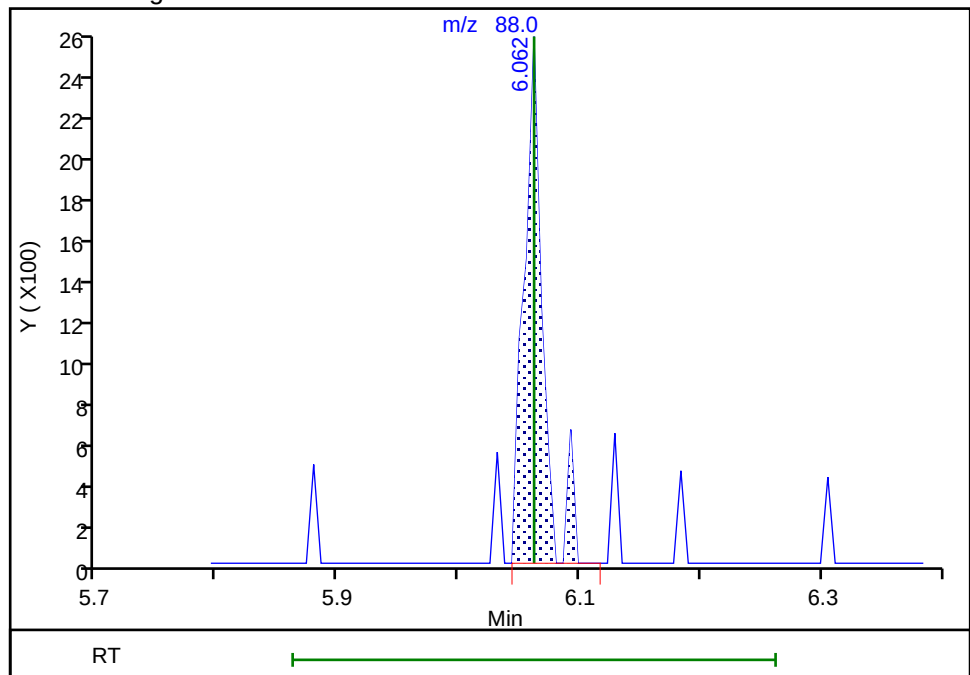
RT: 6.13
Area: 226
Amount: 2.447425
Amount Units: ug/L

Processing Integration Results



RT: 6.06
Area: 2702
Amount: 24.361637
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:29:30

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

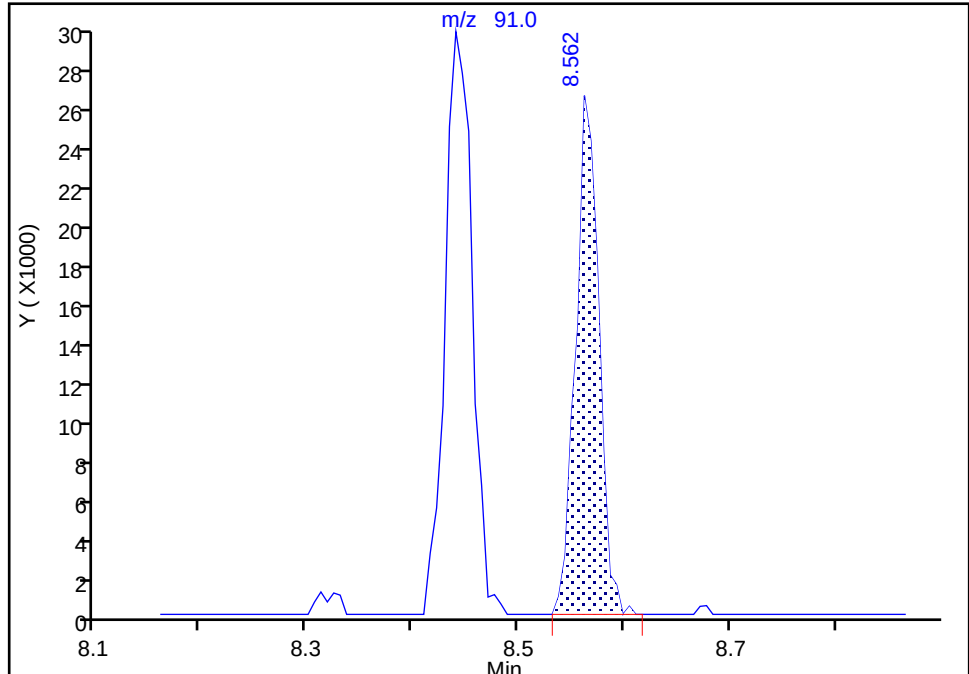
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
Injection Date: 16-Nov-2021 18:34:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

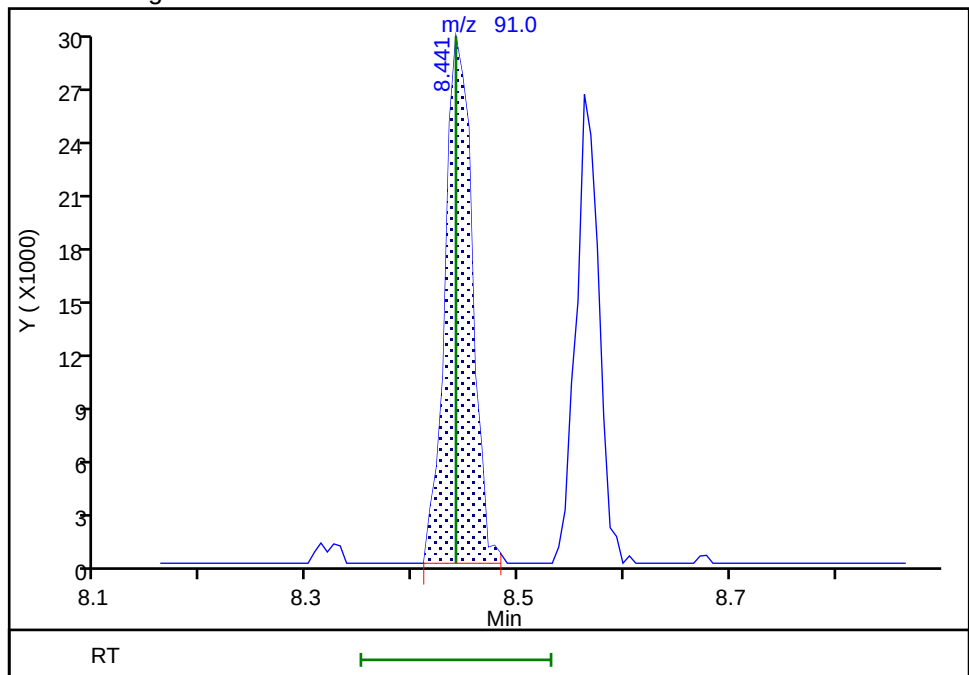
RT: 8.56
Area: 39204
Amount: 0.902101
Amount Units: ug/L

Processing Integration Results



RT: 8.44
Area: 52064
Amount: 0.997123
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:43:55
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected
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12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D

Injection Date: 16-Nov-2021 18:34:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: wd

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

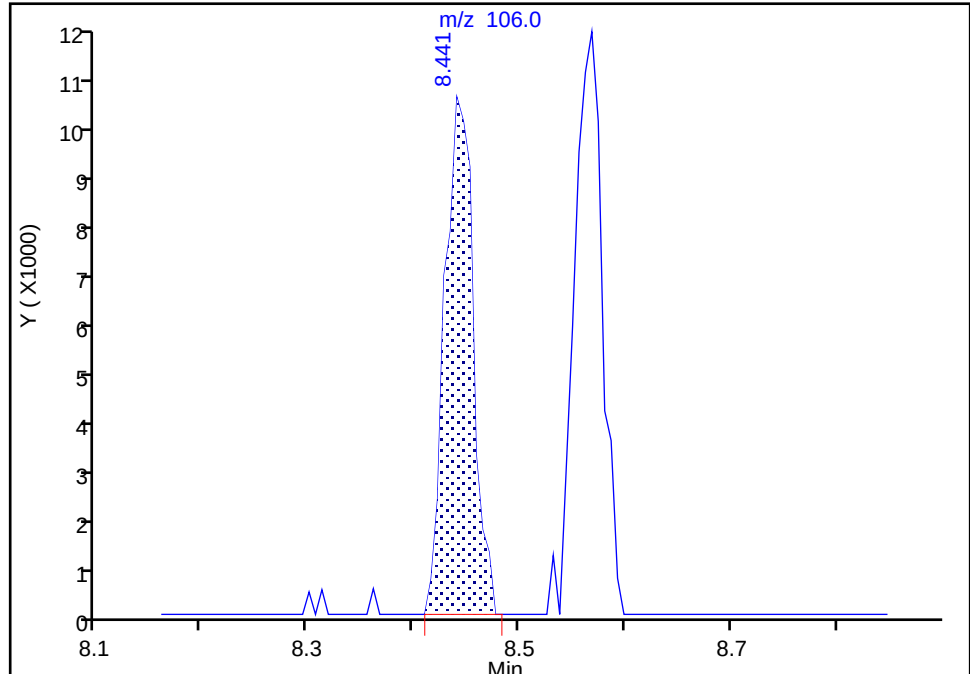
MS SCAN

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

Signal: 1

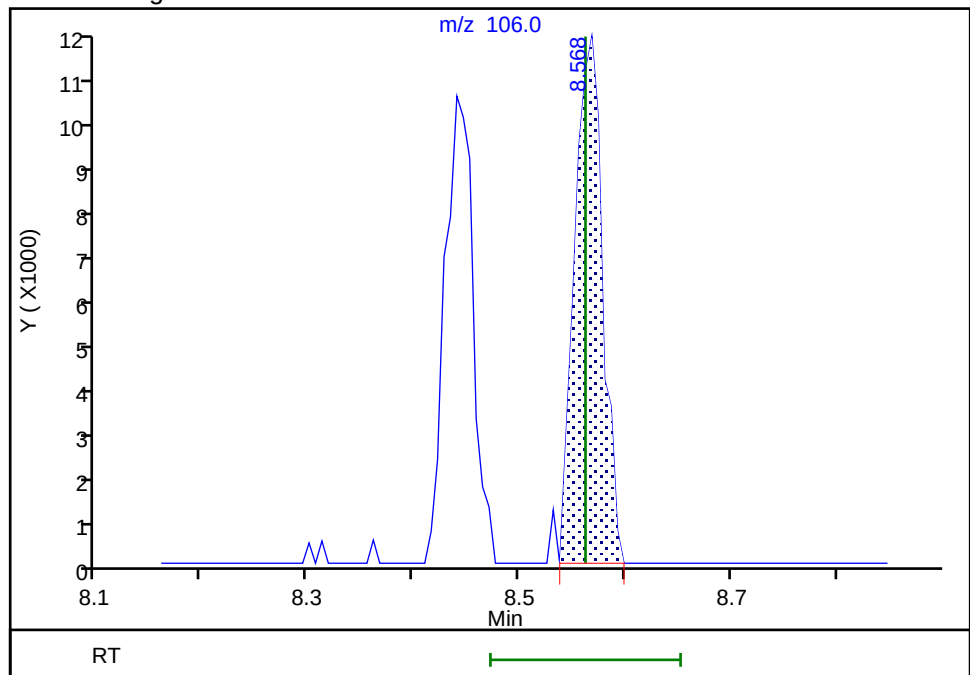
RT: 8.44
Area: 18286
Amount: 1.011826
Amount Units: ug/L

Processing Integration Results



RT: 8.57
Area: 20276
Amount: 0.995678
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:44:01

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

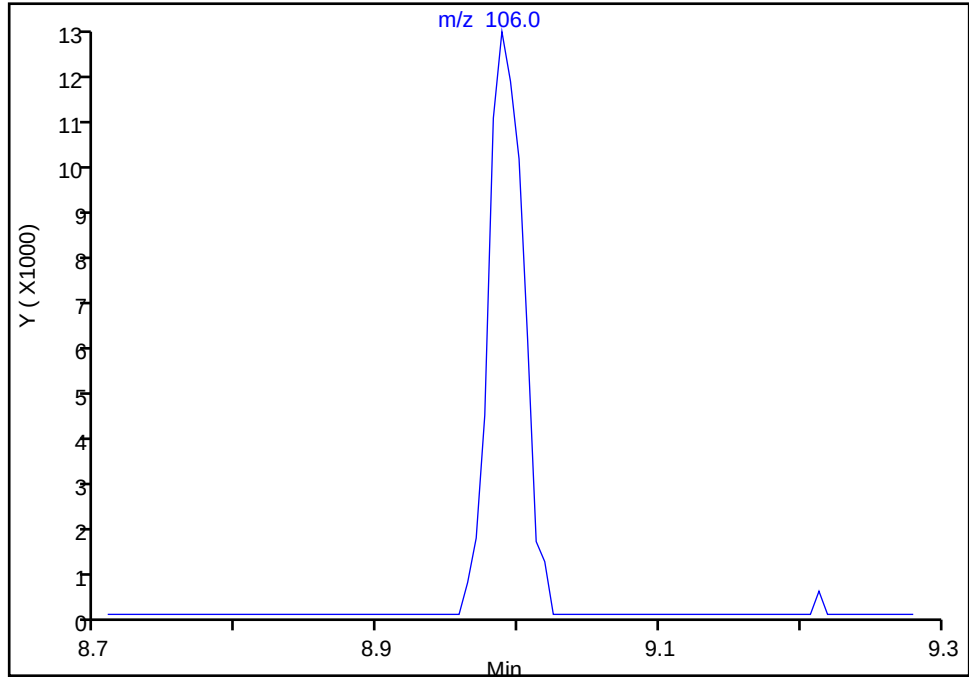
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9185.D
Injection Date: 16-Nov-2021 18:34:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: wd ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

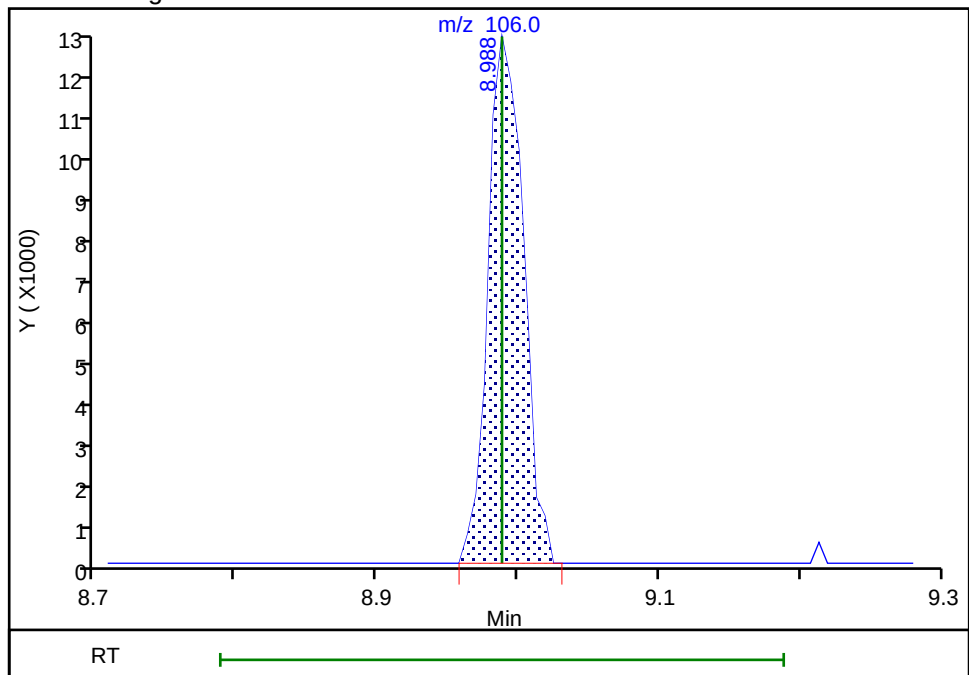
Not Detected
Expected RT: 8.99

Processing Integration Results



RT: 8.99
Area: 20893
Amount: 0.957748
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:29:57

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 16-Nov-2021 18:57:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0102482-007
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:01:52 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: dahnw

Date: 16-Nov-2021 21:33:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	228227	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	744412	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	379859	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.760	-0.006	92	307216	25.0	25.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.064	0.000	96	428709	25.0	25.9	
\$ 6 Toluene-d8 (Surr)	98	6.840	6.841	-0.001	96	974498	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	85	262173	25.0	24.4	
11 Dichlorodifluoromethane	85	1.244	1.256	-0.012	98	15436	2.00	1.55	
13 Chloromethane	50	1.420	1.432	-0.012	99	46263	2.00	2.13	
144 Butadiene	54	1.511	1.511	0.000	98	35572	2.00	1.80	
14 Vinyl chloride	62	1.511	1.518	-0.007	54	27792	2.00	1.88	
15 Bromomethane	94	1.803	1.810	-0.007	88	18884	2.00	2.07	M
16 Chloroethane	64	1.876	1.877	0.000	97	20314	2.00	2.05	
17 Dichlorofluoromethane	67	2.101	2.108	-0.007	96	47980	2.00	2.14	
18 Trichlorofluoromethane	101	2.107	2.108	-0.001	48	29611	2.00	1.71	
19 Ethyl ether	59	2.369	2.375	-0.006	91	32082	2.00	1.89	
20 Acrolein	56	2.545	2.552	-0.007	75	9887	10.0	10.6	
21 112TCTFE	101	2.576	2.582	-0.006	53	11380	2.00	1.57	
22 1,1-Dichloroethene	96	2.600	2.594	0.006	91	16105	2.00	1.53	
23 Acetone	43	2.710	2.710	0.000	94	86919	10.0	10.4	
24 Iodomethane	142	2.758	2.765	-0.007	73	37184	2.00	1.97	
25 Carbon disulfide	76	2.801	2.801	0.000	94	49944	2.00	1.75	M
27 3-Chloro-1-propene	41	2.947	2.953	-0.006	84	64997	2.00	1.90	
28 Methyl acetate	43	3.002	3.002	0.000	100	82350	4.00	3.90	
30 Methylene Chloride	84	3.105	3.111	-0.006	88	29237	2.00	1.94	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	91	41471	20.0	20.2	M
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	93	85140	2.00	1.96	
33 trans-1,2-Dichloroethene	96	3.318	3.324	-0.006	88	23570	2.00	1.85	
34 Acrylonitrile	53	3.379	3.379	0.000	93	194827	20.0	19.4	
35 Hexane	57	3.519	3.513	0.006	91	23373	2.00	1.59	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.732	3.738	-0.006	96	61309	2.00	2.04	
39 Vinyl acetate	43	3.793	3.793	0.000	97	174394	4.00	3.69	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	75	17137	2.00	1.67	
43 cis-1,2-Dichloroethene	96	4.291	4.286	0.005	85	26803	2.00	1.84	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	97	119273	10.0	9.87	
47 Chlorobromomethane	128	4.529	4.523	0.006	90	16169	2.00	2.08	
49 Tetrahydrofuran	42	4.547	4.547	0.000	87	34887	4.00	4.25	
50 Chloroform	83	4.602	4.602	0.000	95	49850	2.00	1.86	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	91	29564	2.00	1.61	
52 Cyclohexane	56	4.711	4.718	-0.007	93	30129	2.00	1.62	
53 Carbon tetrachloride	117	4.851	4.845	0.006	70	22916	2.00	1.62	
54 1,1-Dichloropropene	75	4.863	4.864	-0.001	79	28240	2.00	1.67	
55 Benzene	78	5.064	5.064	0.000	50	100314	2.00	2.02	
56 Isobutyl alcohol	43	5.101	5.101	0.000	89	37449	50.0	43.9	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	58003	2.00	2.11	
59 n-Heptane	43	5.241	5.247	-0.007	92	29376	2.00	1.51	
60 Trichloroethene	95	5.672	5.673	-0.001	93	27667	2.00	2.06	
62 Methylcyclohexane	83	5.788	5.788	0.000	91	18553	2.00	1.60	
63 1,2-Dichloropropane	63	5.910	5.916	-0.006	87	31186	2.00	2.12	
64 Dibromomethane	93	6.050	6.050	0.000	92	17382	2.00	2.10	
66 1,4-Dioxane	88	6.062	6.062	0.000	0	4040	40.0	36.0	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	94	33380	2.00	1.95	
69 2-Chloroethyl vinyl ether	63	6.488	6.482	0.006	85	15557	2.00	1.95	
71 cis-1,3-Dichloropropene	75	6.628	6.622	0.006	80	38681	2.00	2.09	M
72 4-Methyl-2-pentanone (MIBK)	58	6.767	6.768	-0.001	98	70390	10.0	9.12	
73 Toluene	92	6.901	6.908	-0.007	97	56116	2.00	1.88	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	94	33257	2.00	1.97	
77 Ethyl methacrylate	69	7.236	7.236	0.000	89	23595	2.00	1.85	
78 1,1,2-Trichloroethane	83	7.382	7.376	0.006	89	18179	2.00	2.01	
79 Tetrachloroethene	166	7.437	7.437	0.000	92	21224	2.00	1.74	
80 1,3-Dichloropropane	76	7.540	7.540	0.000	87	35138	2.00	1.97	
82 2-Hexanone	43	7.607	7.607	0.000	97	129700	10.0	9.15	
83 Chlorodibromomethane	129	7.771	7.771	0.000	89	22444	2.00	2.01	
84 Ethylene Dibromide	107	7.869	7.875	-0.006	99	21204	2.00	1.88	
85 Chlorobenzene	112	8.349	8.349	0.000	96	64932	2.00	1.96	
88 Ethylbenzene	91	8.440	8.441	-0.001	97	89951	2.00	1.70	a
89 1,1,1,2-Tetrachloroethane	131	8.447	8.453	-0.006	48	22867	2.00	1.80	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	35556	2.00	1.73	a
91 o-Xylene	106	8.988	8.988	0.000	95	42970	2.00	1.95	
92 Styrene	104	9.018	9.019	-0.001	93	58625	2.00	1.84	
93 Bromoform	173	9.268	9.274	-0.006	92	12471	2.00	1.96	
95 Isopropylbenzene	105	9.377	9.378	-0.001	97	90056	2.00	1.67	
97 Bromobenzene	156	9.724	9.724	0.000	91	23146	2.00	1.80	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	94	29772	2.00	1.97	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	100879	2.00	1.66	
99 1,2,3-Trichloropropane	110	9.821	9.822	-0.001	78	8960	2.00	1.79	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	74	11308	2.00	1.79	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	26252	2.00	1.97	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	97	78231	2.00	1.74	
105 4-Chlorotoluene	91	10.022	10.029	-0.006	98	73156	2.00	1.83	
106 tert-Butylbenzene	134	10.314	10.308	0.006	94	12933	2.00	1.40	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	97	74501	2.00	1.66	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	79027	2.00	1.47	
110 1,3-Dichlorobenzene	146	10.661	10.655	0.006	88	46593	2.00	1.80	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	97	77257	2.00	1.56	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	91	50397	2.00	1.92	
115 n-Butylbenzene	91	11.050	11.051	-0.001	97	57137	2.00	1.39	M
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	94	53166	2.00	1.96	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	69	5544	2.00	1.90	M
119 1,2,4-Trichlorobenzene	180	12.510	12.511	-0.001	94	34195	2.00	1.90	
120 Hexachlorobutadiene	225	12.620	12.626	-0.006	93	9133	2.00	1.18	
121 Naphthalene	128	12.723	12.724	-0.001	97	99738	2.00	1.95	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	93	34708	2.00	1.96	
S 123 1,3-Dichloropropene, Total	1				0			4.06	
S 126 Xylenes, Total	1				0			3.68	
S 125 Total BTEX	1				0			9.28	
S 124 1,2-Dichloroethene, Total	1				0			3.69	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 2.00

Units: uL

GAS CORP mix_00480

Amount Added: 2.00

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: IC 2

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

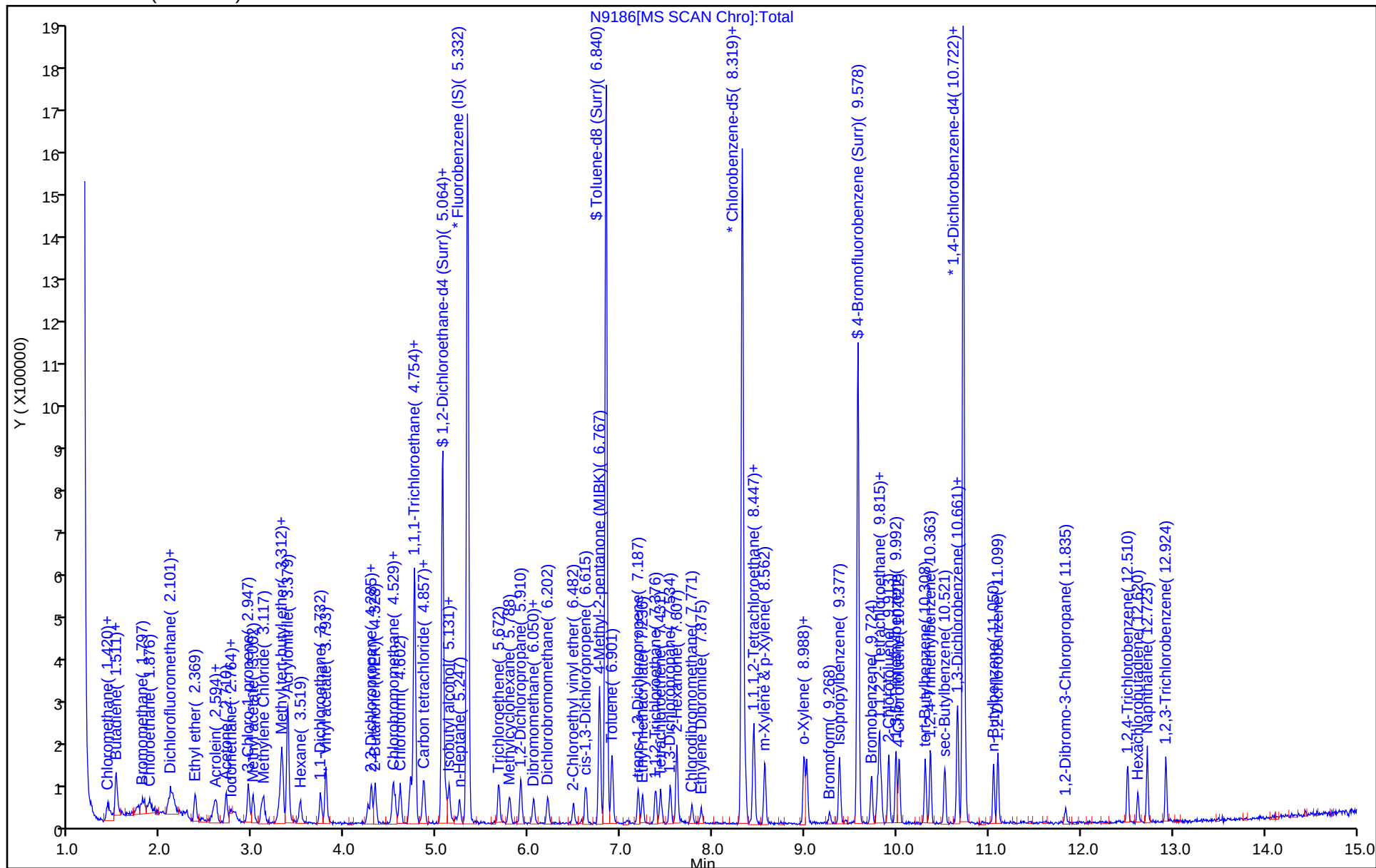
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

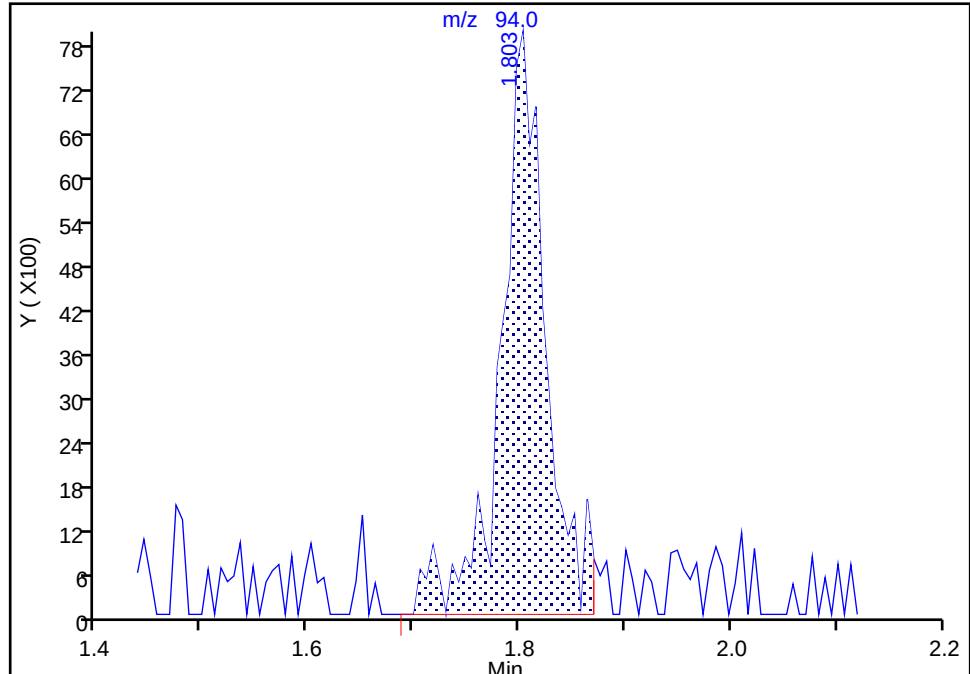
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

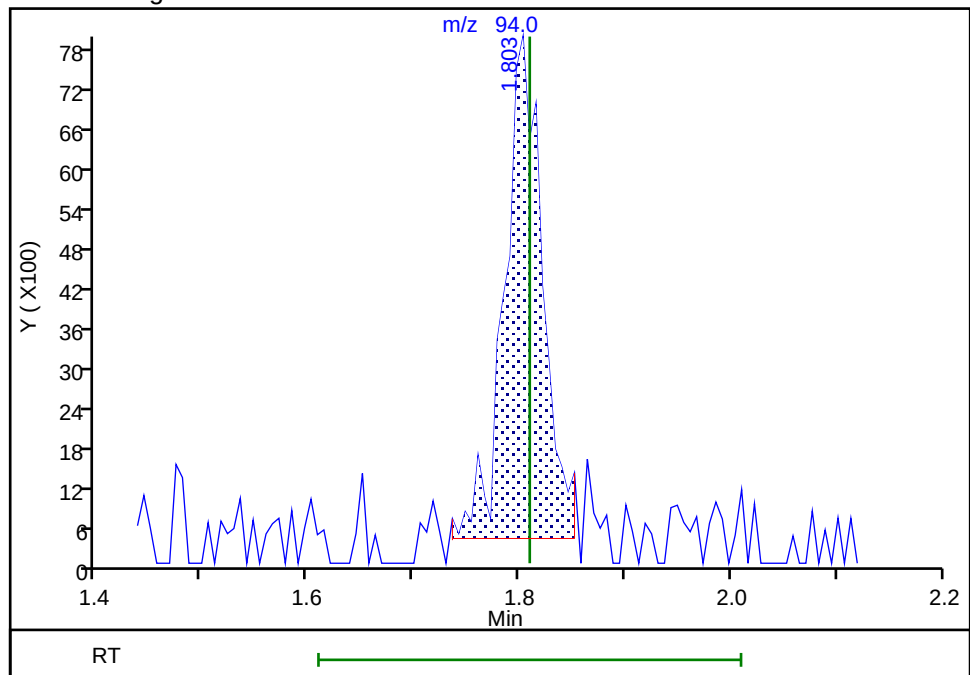
RT: 1.80
Area: 23367
Amount: 2.474857
Amount Units: ug/L

Processing Integration Results



RT: 1.80
Area: 18884
Amount: 2.070263
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:55:26

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

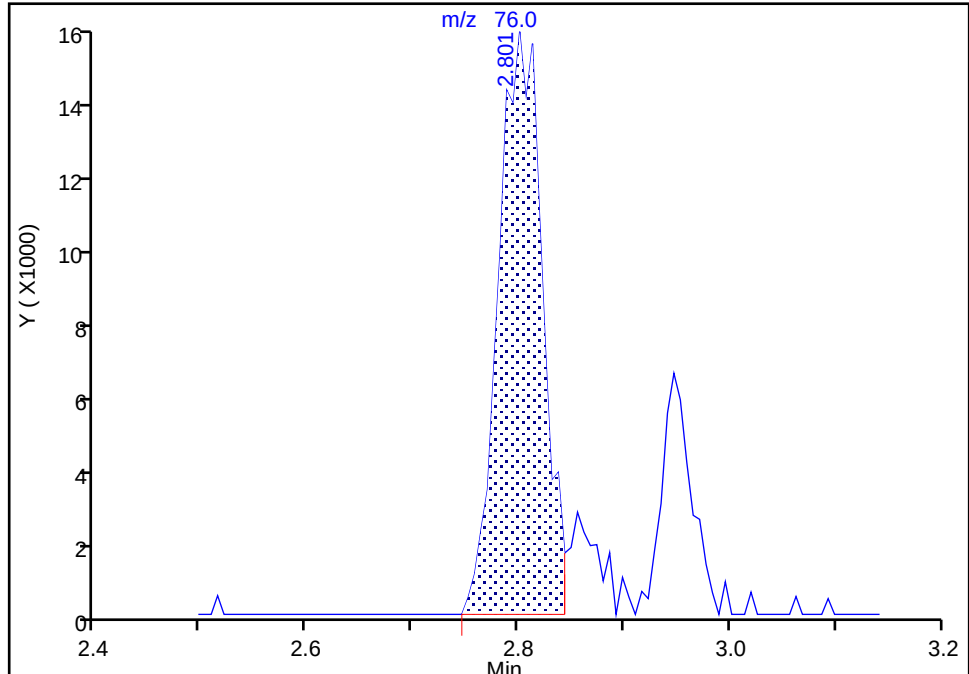
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D
Injection Date: 16-Nov-2021 18:57:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: wd ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

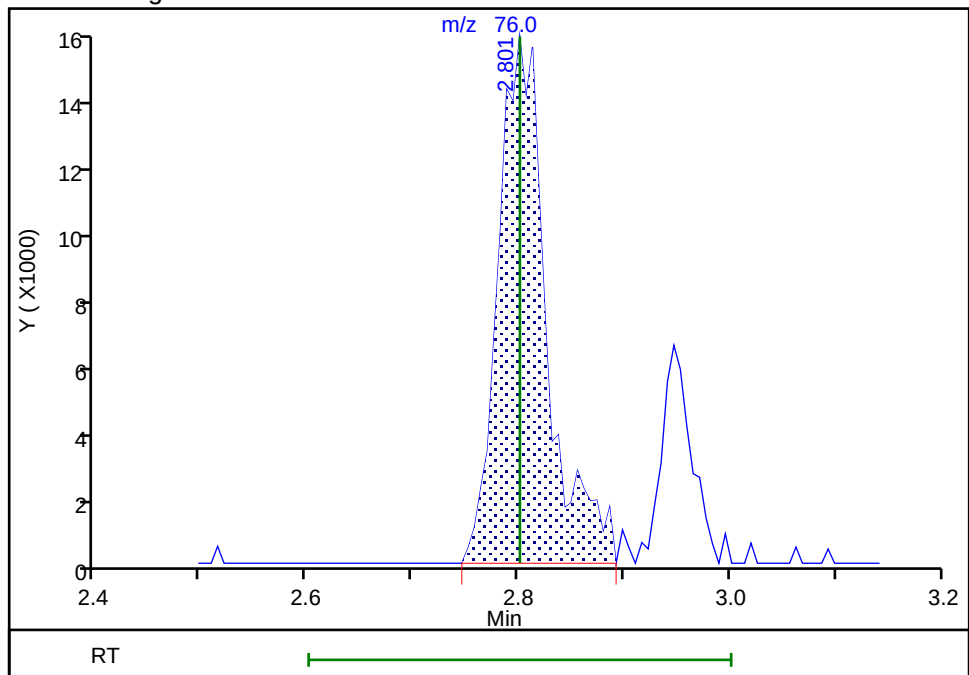
RT: 2.80
Area: 45185
Amount: 1.599582
Amount Units: ug/L

Processing Integration Results



RT: 2.80
Area: 49944
Amount: 1.749631
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:33:04
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 155 of 702

12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

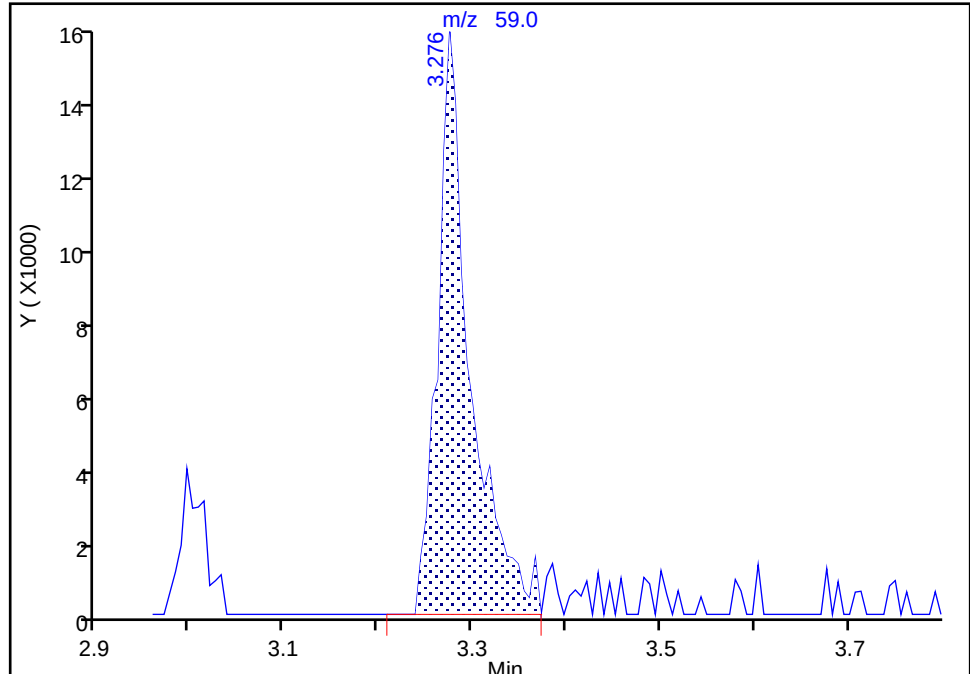
Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

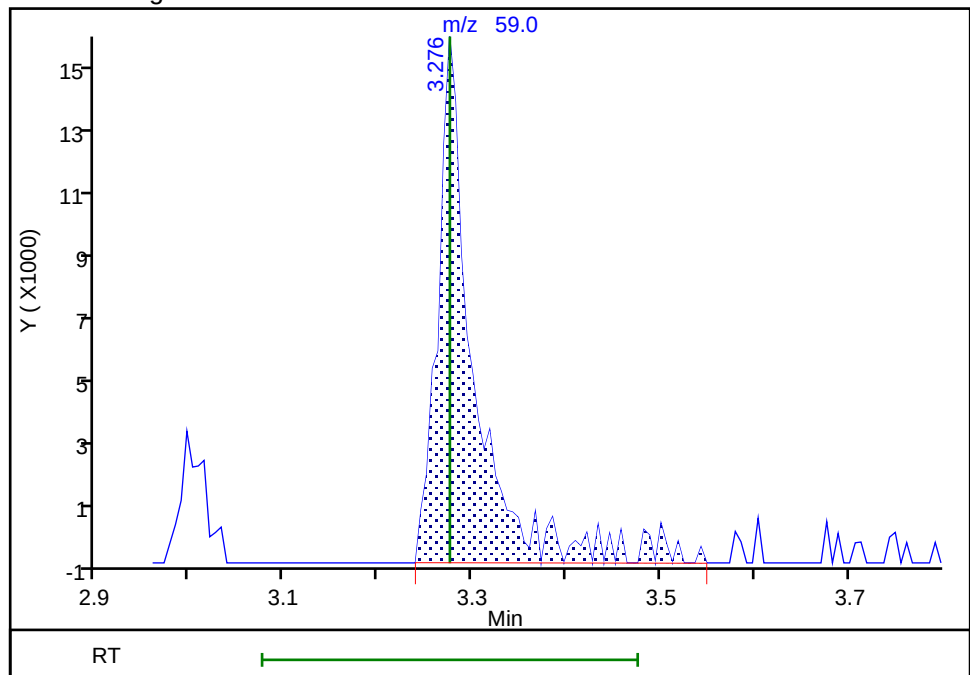
RT: 3.28
Area: 36779
Amount: 18.907647
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 41471
Amount: 20.245867
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:33:23

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

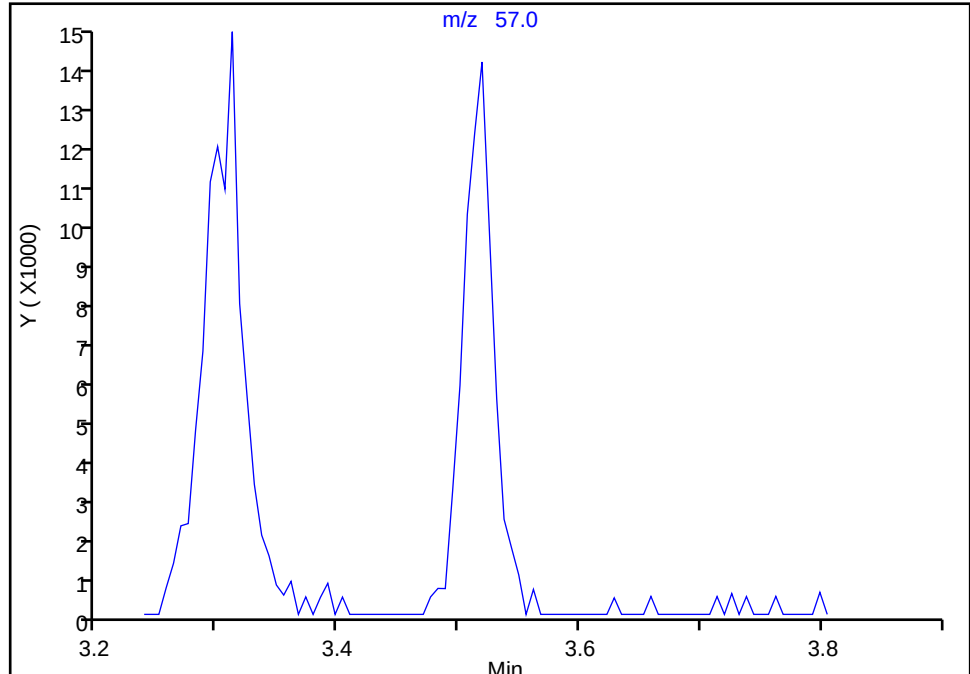
35 Hexane, CAS: 110-54-3

Signal: 1

Not Detected

Expected RT: 3.51

Processing Integration Results



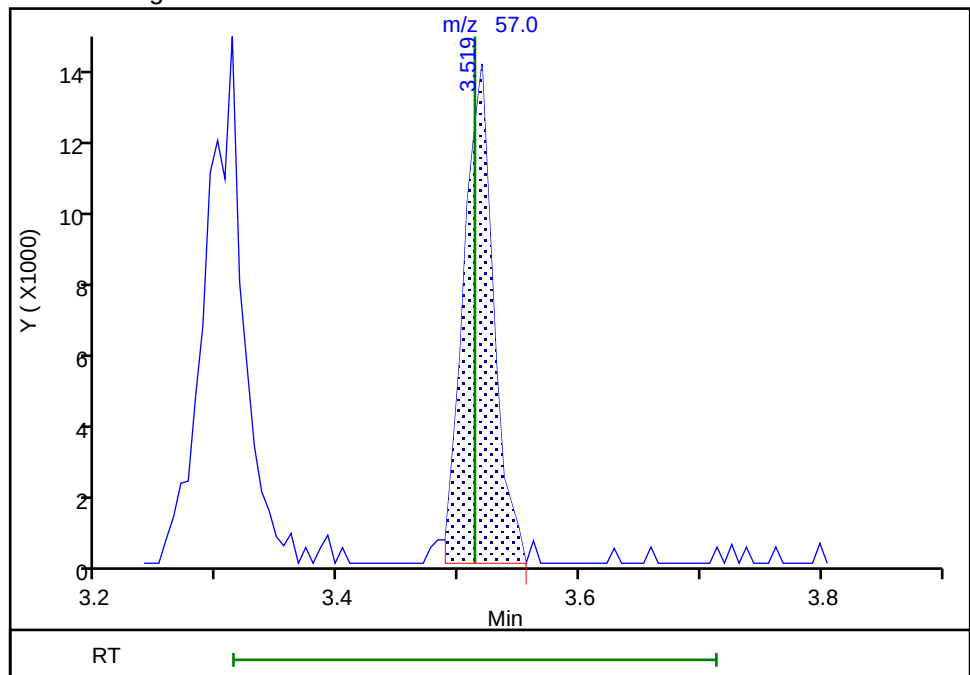
RT: 3.52

Area: 23373

Amount: 1.585981

Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:32:41

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

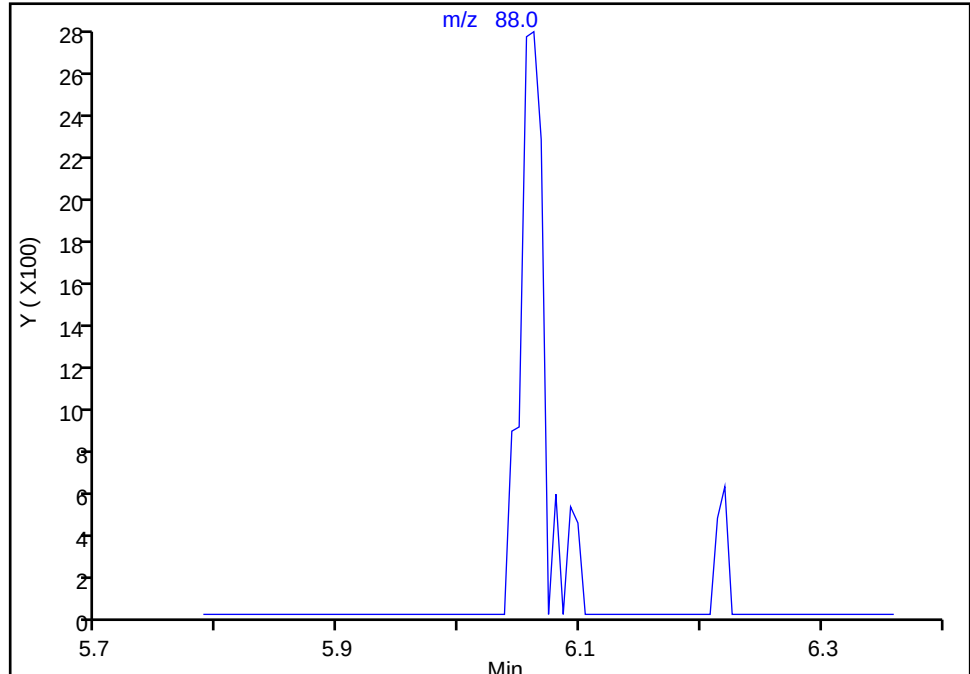
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

Not Detected

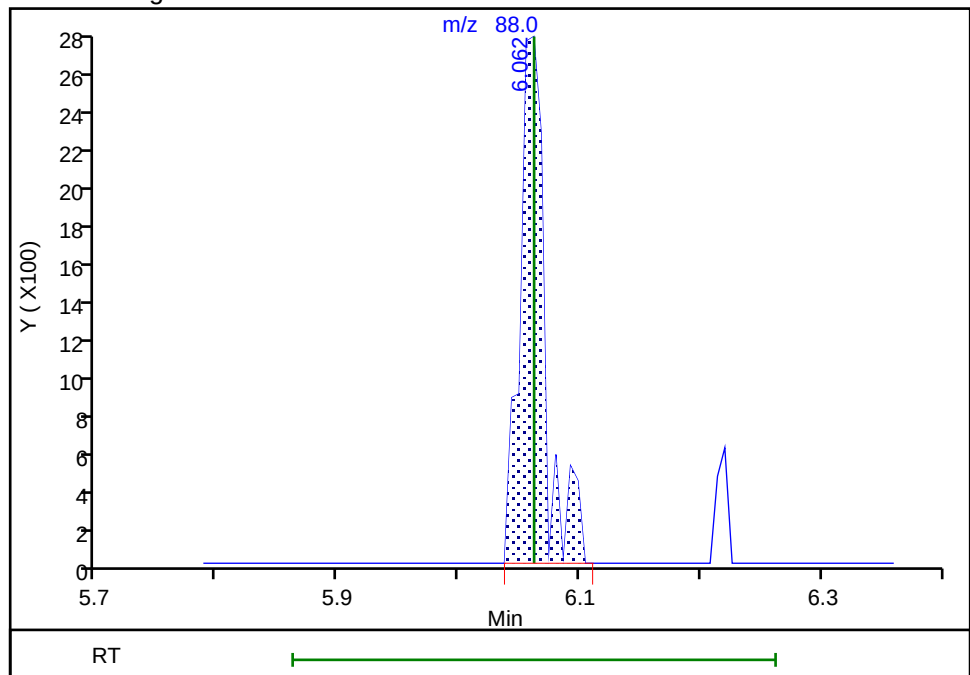
Expected RT: 6.06

Processing Integration Results



RT: 6.06
Area: 4040
Amount: 36.047836
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:31:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

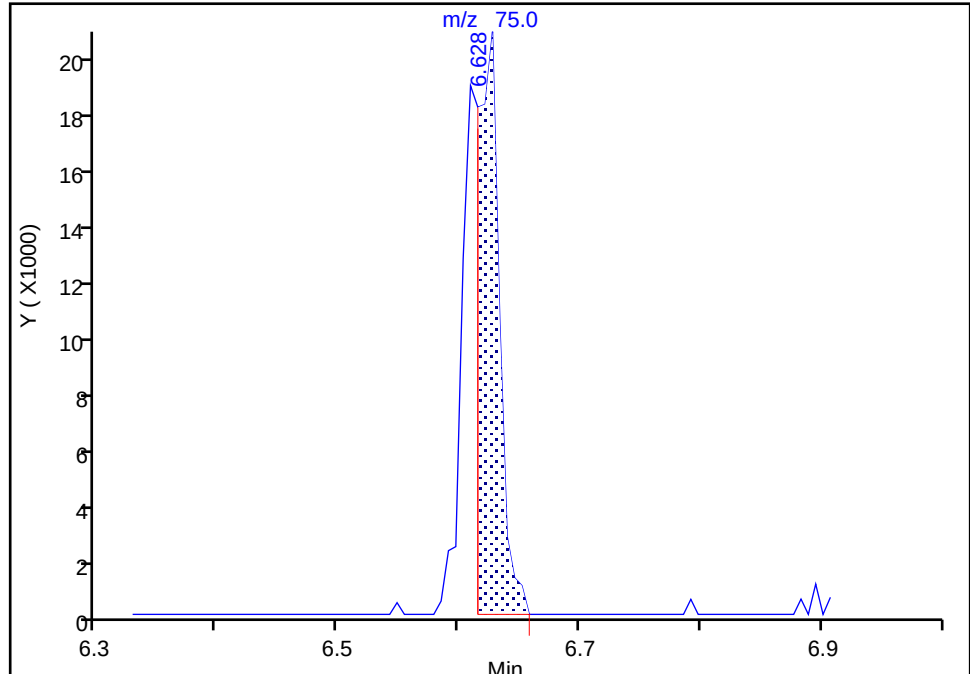
MS SCAN

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

Signal: 1

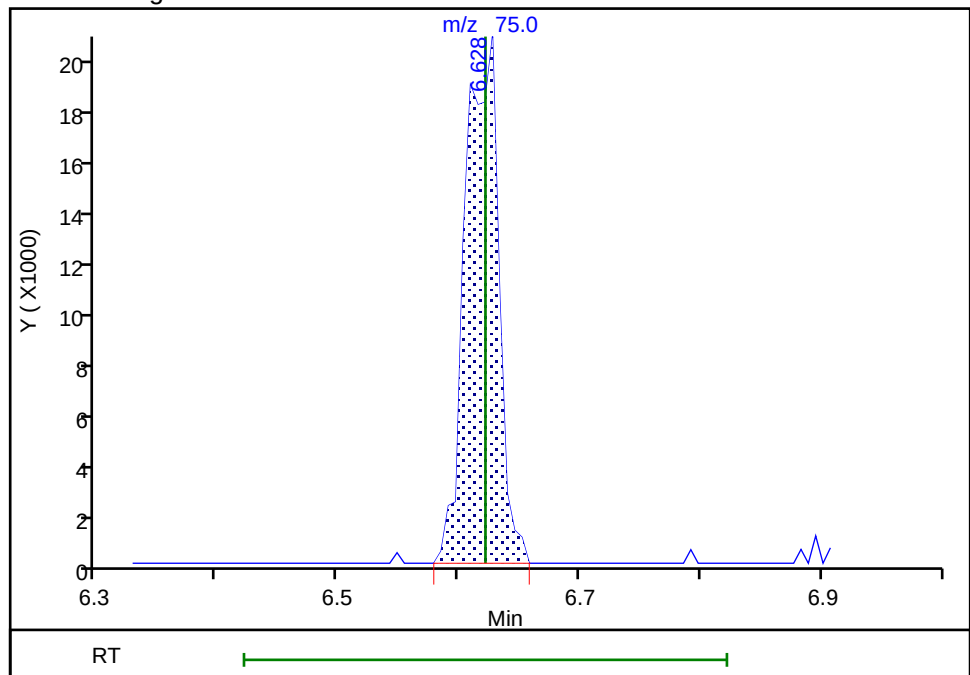
RT: 6.63
Area: 25683
Amount: 1.491886
Amount Units: ug/L

Processing Integration Results



RT: 6.63
Area: 38681
Amount: 2.094896
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:31:41

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

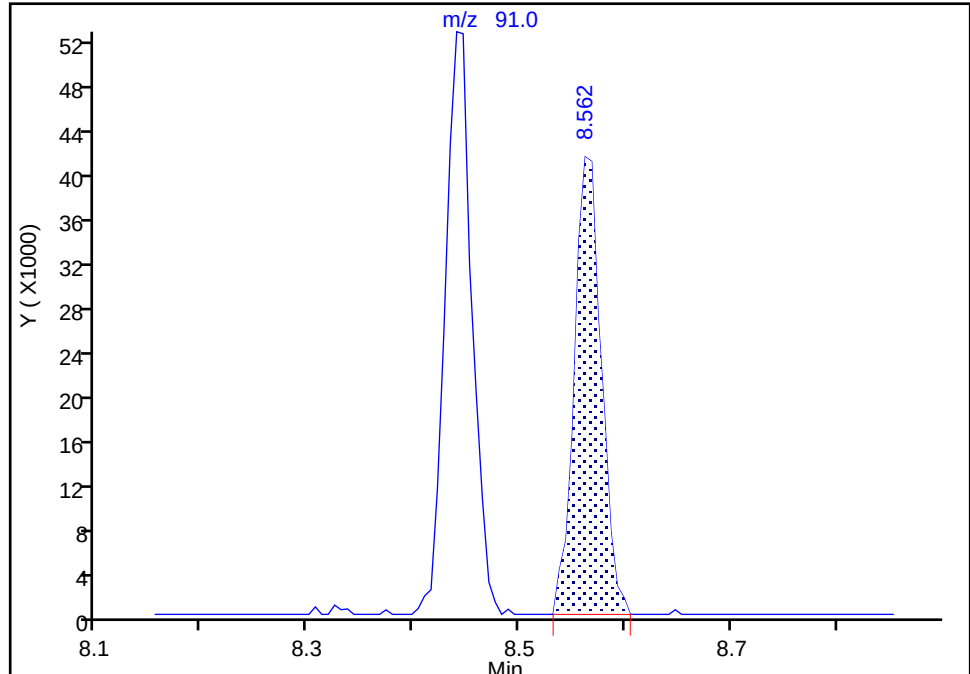
Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

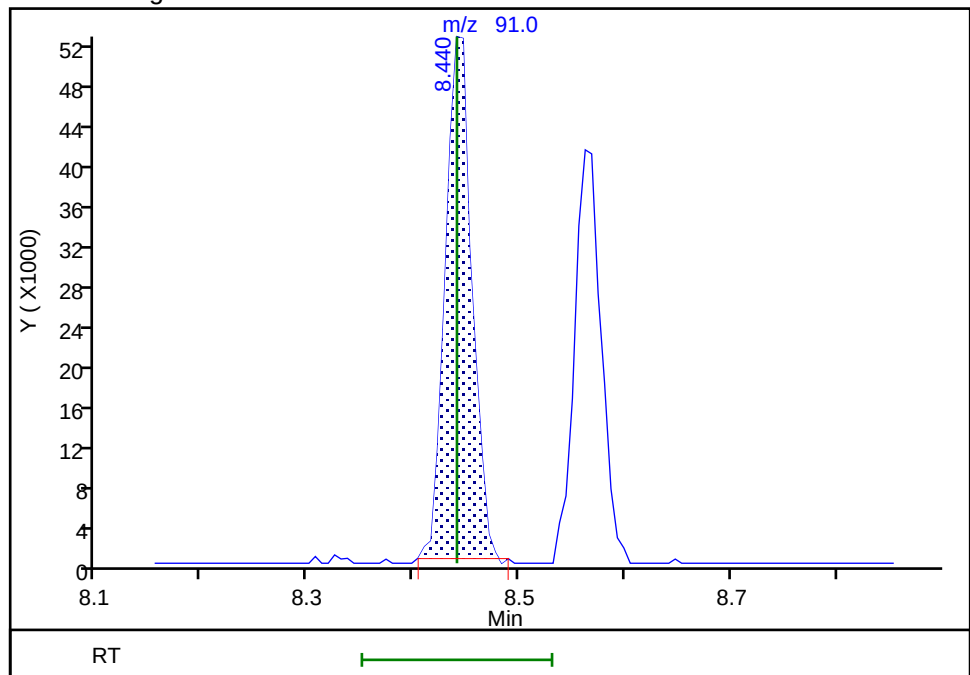
RT: 8.56
Area: 72244
Amount: 1.586459
Amount Units: ug/L

Processing Integration Results



RT: 8.44
Area: 89951
Amount: 1.704881
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:44:21

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

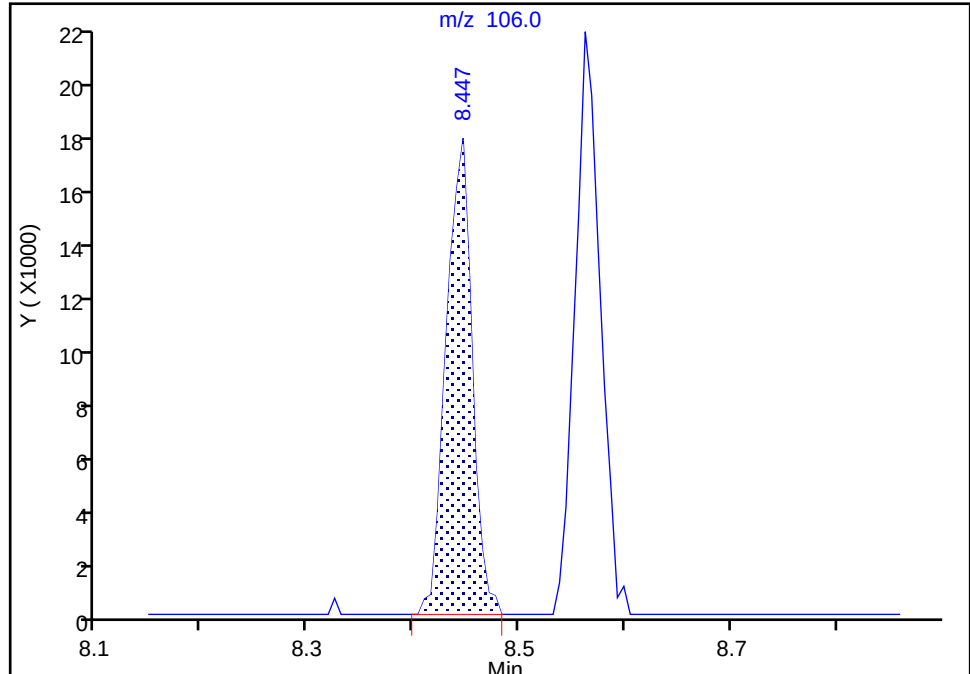
MS SCAN

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

Signal: 1

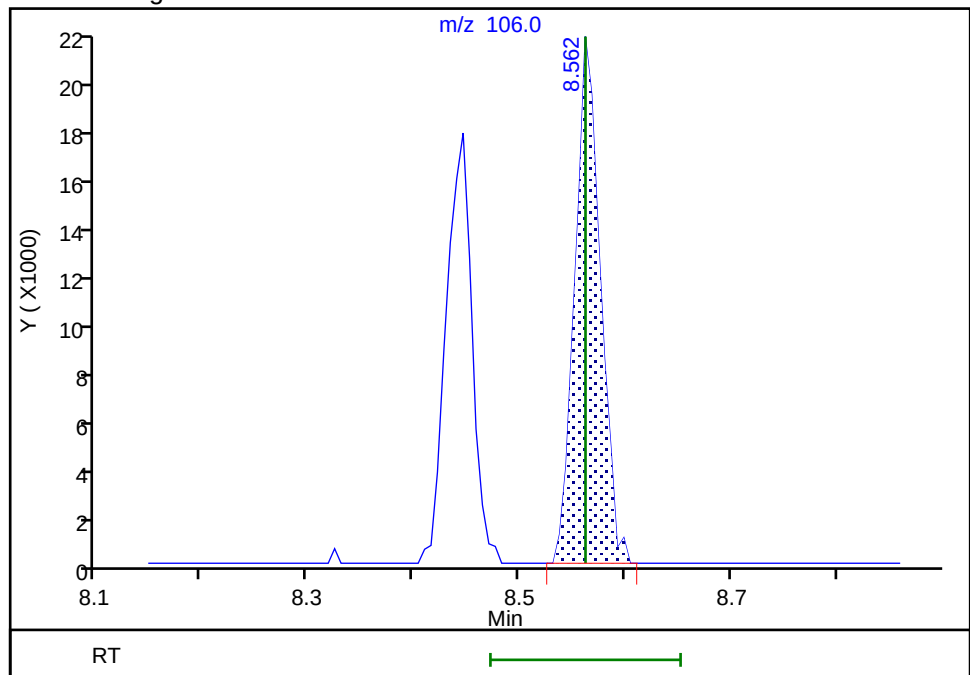
RT: 8.45
Area: 29574
Amount: 1.597486
Amount Units: ug/L

Processing Integration Results



RT: 8.56
Area: 35556
Amount: 1.727931
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:44:24

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

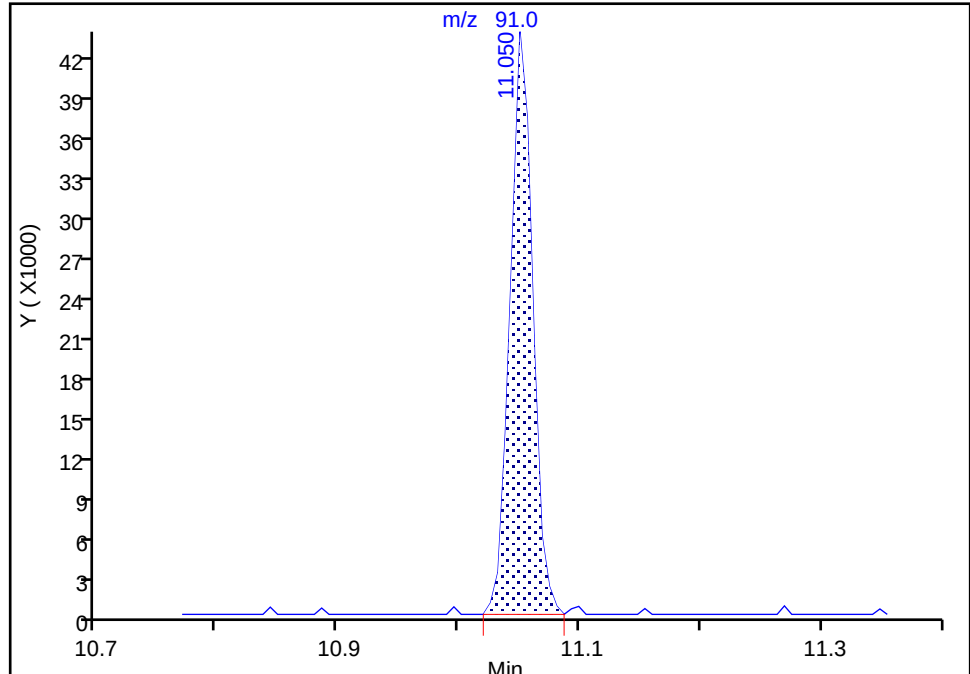
MS SCAN

115 n-Butylbenzene, CAS: 104-51-8

Signal: 1

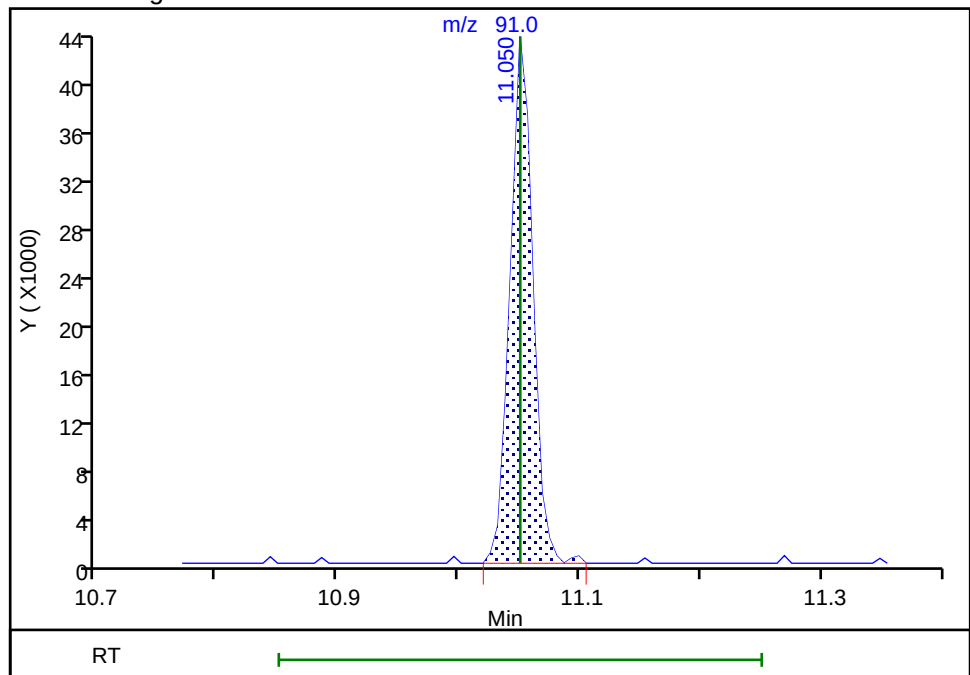
RT: 11.05
Area: 56768
Amount: 1.379032
Amount Units: ug/L

Processing Integration Results



RT: 11.05
Area: 57137
Amount: 1.394763
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:30:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9186.D

Injection Date: 16-Nov-2021 18:57:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: wd

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

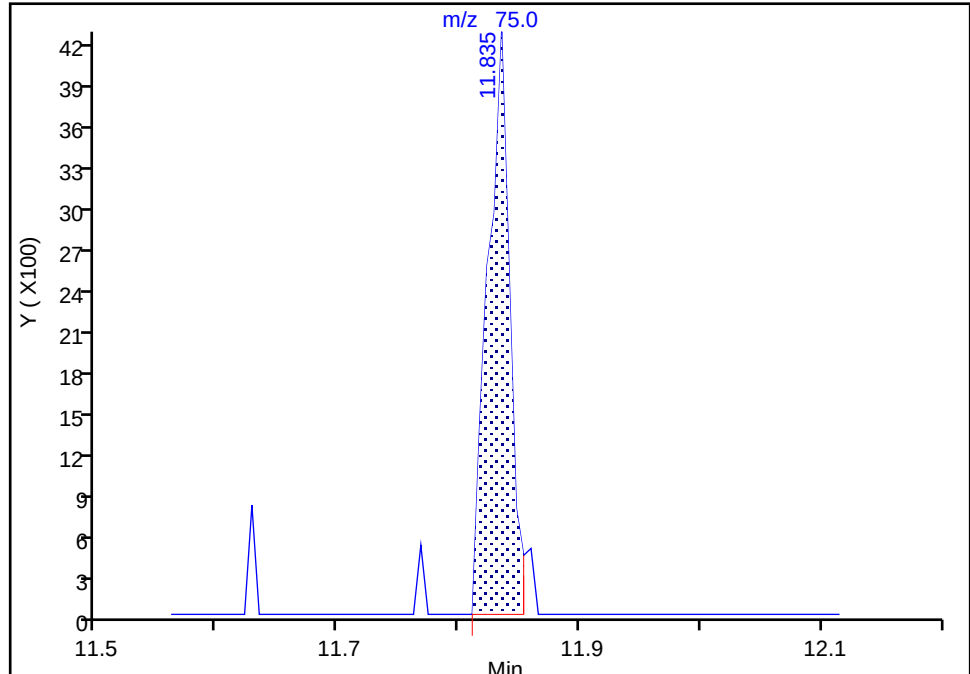
MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

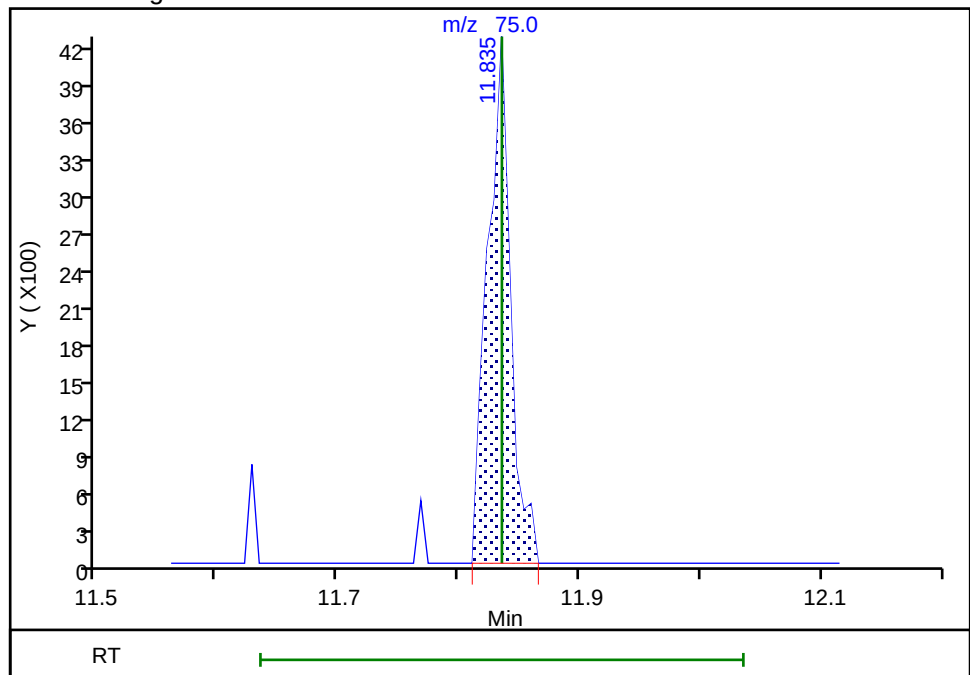
RT: 11.84
Area: 5370
Amount: 1.946198
Amount Units: ug/L

Processing Integration Results



RT: 11.84
Area: 5544
Amount: 1.904592
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:30:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9187.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 16-Nov-2021 19:20:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0102482-008
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:01:56 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: dahnw

Date: 16-Nov-2021 21:35:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	231203	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	713019	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	369643	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.760	4.760	0.000	91	300944	25.0	25.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.064	0.000	94	424376	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	928468	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	250041	25.0	24.3	
11 Dichlorodifluoromethane	85	1.256	1.256	0.000	99	56107	5.00	5.55	
13 Chloromethane	50	1.432	1.432	0.000	99	118297	5.00	5.37	
144 Butadiene	54	1.511	1.511	0.000	94	119949	5.00	6.00	
14 Vinyl chloride	62	1.518	1.518	0.000	53	84747	5.00	5.65	
15 Bromomethane	94	1.810	1.810	0.000	91	52836	5.00	5.72	
16 Chloroethane	64	1.877	1.877	0.000	96	55049	5.00	5.48	
17 Dichlorofluoromethane	67	2.108	2.108	0.000	95	122010	5.00	5.37	
18 Trichlorofluoromethane	101	2.108	2.108	0.000	60	98192	5.00	5.59	
19 Ethyl ether	59	2.375	2.375	0.000	96	90308	5.00	5.26	
20 Acrolein	56	2.552	2.552	0.000	99	23403	25.0	24.8	
21 112TCTFE	101	2.582	2.582	0.000	63	58508	5.00	5.96	M
22 1,1-Dichloroethene	96	2.594	2.594	0.000	91	59295	5.00	5.55	
23 Acetone	43	2.710	2.710	0.000	96	206213	25.0	24.4	
24 Iodomethane	142	2.765	2.765	0.000	99	103180	5.00	5.41	
25 Carbon disulfide	76	2.801	2.801	0.000	97	163862	5.00	5.67	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	84	184973	5.00	5.34	
28 Methyl acetate	43	3.002	3.002	0.000	100	214032	10.0	10.0	M
30 Methylene Chloride	84	3.111	3.111	0.000	89	67047	5.00	5.08	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	96	100957	50.0	48.7	M
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	95	215290	5.00	4.90	
33 trans-1,2-Dichloroethene	96	3.324	3.324	0.000	90	71613	5.00	5.55	
34 Acrylonitrile	53	3.379	3.379	0.000	99	505953	50.0	49.6	
35 Hexane	57	3.513	3.513	0.000	94	124812	5.00	5.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	160113	5.00	5.26	
39 Vinyl acetate	43	3.793	3.793	0.000	96	450661	10.0	9.41	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	80	59422	5.00	5.73	
43 cis-1,2-Dichloroethene	96	4.286	4.286	0.000	86	79953	5.00	5.43	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	96	294054	25.0	24.0	
47 Chlorobromomethane	128	4.523	4.523	0.000	87	38622	5.00	4.90	
49 Tetrahydrofuran	42	4.547	4.547	0.000	88	79386	10.0	9.56	
50 Chloroform	83	4.602	4.602	0.000	95	141638	5.00	5.21	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	82	100990	5.00	5.44	
52 Cyclohexane	56	4.718	4.718	0.000	95	160628	5.00	5.65	
53 Carbon tetrachloride	117	4.845	4.845	0.000	95	81918	5.00	5.71	
54 1,1-Dichloropropene	75	4.864	4.864	0.000	84	90582	5.00	5.29	
55 Benzene	78	5.064	5.064	0.000	70	257582	5.00	5.11	
56 Isobutyl alcohol	43	5.101	5.101	0.000	91	97112	125.0	112.4	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	96	136569	5.00	4.90	
59 n-Heptane	43	5.247	5.247	0.000	95	158318	5.00	5.82	
60 Trichloroethene	95	5.673	5.673	0.000	89	68552	5.00	5.05	
62 Methylcyclohexane	83	5.788	5.788	0.000	93	104720	5.00	5.47	
63 1,2-Dichloropropane	63	5.916	5.916	0.000	87	76099	5.00	5.10	
64 Dibromomethane	93	6.050	6.050	0.000	95	44161	5.00	5.26	
66 1,4-Dioxane	88	6.062	6.062	0.000	33	10340	100.0	96.3	
67 Dichlorobromomethane	83	6.202	6.202	0.000	95	86500	5.00	4.98	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	87	38853	5.00	4.81	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	83	89337	5.00	4.78	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	182820	25.0	24.7	
73 Toluene	92	6.908	6.908	0.000	95	143835	5.00	5.03	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	88	77449	5.00	4.79	
77 Ethyl methacrylate	69	7.236	7.236	0.000	85	54874	5.00	4.48	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	94	45276	5.00	5.22	
79 Tetrachloroethene	166	7.437	7.437	0.000	93	64861	5.00	5.54	
80 1,3-Dichloropropane	76	7.540	7.540	0.000	88	83623	5.00	4.91	
82 2-Hexanone	43	7.607	7.607	0.000	97	311090	25.0	22.9	
83 Chlorodibromomethane	129	7.771	7.771	0.000	88	50632	5.00	4.74	
84 Ethylene Dibromide	107	7.875	7.875	0.000	95	53948	5.00	4.99	
85 Chlorobenzene	112	8.349	8.349	0.000	90	155915	5.00	4.90	
88 Ethylbenzene	91	8.441	8.441	0.000	97	257208	5.00	5.09	a
89 1,1,1,2-Tetrachloroethane	131	8.453	8.453	0.000	48	61944	5.00	5.08	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	97334	5.00	4.94	a
91 o-Xylene	106	8.988	8.988	0.000	97	105463	5.00	5.00	
92 Styrene	104	9.019	9.019	0.000	94	157062	5.00	5.14	
93 Bromoform	173	9.274	9.274	0.000	92	25441	5.00	4.18	
95 Isopropylbenzene	105	9.378	9.378	0.000	97	275363	5.00	5.25	
97 Bromobenzene	156	9.724	9.724	0.000	94	60106	5.00	4.80	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	96	74975	5.00	5.10	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	298704	5.00	5.06	
99 1,2,3-Trichloropropane	110	9.822	9.822	0.000	94	23512	5.00	4.84	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	76	28430	5.00	4.63	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	65649	5.00	5.07	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	94	227900	5.00	5.21	
105 4-Chlorotoluene	91	10.029	10.029	0.000	99	189880	5.00	4.88	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	45130	5.00	5.03	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	225497	5.00	5.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	263955	5.00	5.05	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	94	122899	5.00	4.89	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	252738	5.00	5.25	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	95	138885	5.00	5.44	
115 n-Butylbenzene	91	11.051	11.051	0.000	97	211782	5.00	5.31	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	95	127843	5.00	4.83	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	71	13834	5.00	4.88	
119 1,2,4-Trichlorobenzene	180	12.511	12.511	0.000	93	94266	5.00	5.37	
120 Hexachlorobutadiene	225	12.626	12.626	0.000	94	39278	5.00	5.19	
121 Naphthalene	128	12.724	12.724	0.000	97	238265	5.00	4.78	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	94	91865	5.00	5.34	
S 123 1,3-Dichloropropene, Total	1				0			9.57	
S 126 Xylenes, Total	1				0			9.93	
S 125 Total BTEX	1				0			25.2	
S 124 1,2-Dichloroethene, Total	1				0			11.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 5.00

Units: uL

GAS CORP mix_00480

Amount Added: 5.00

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9187.D

Injection Date: 16-Nov-2021 19:20:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: IC 3

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

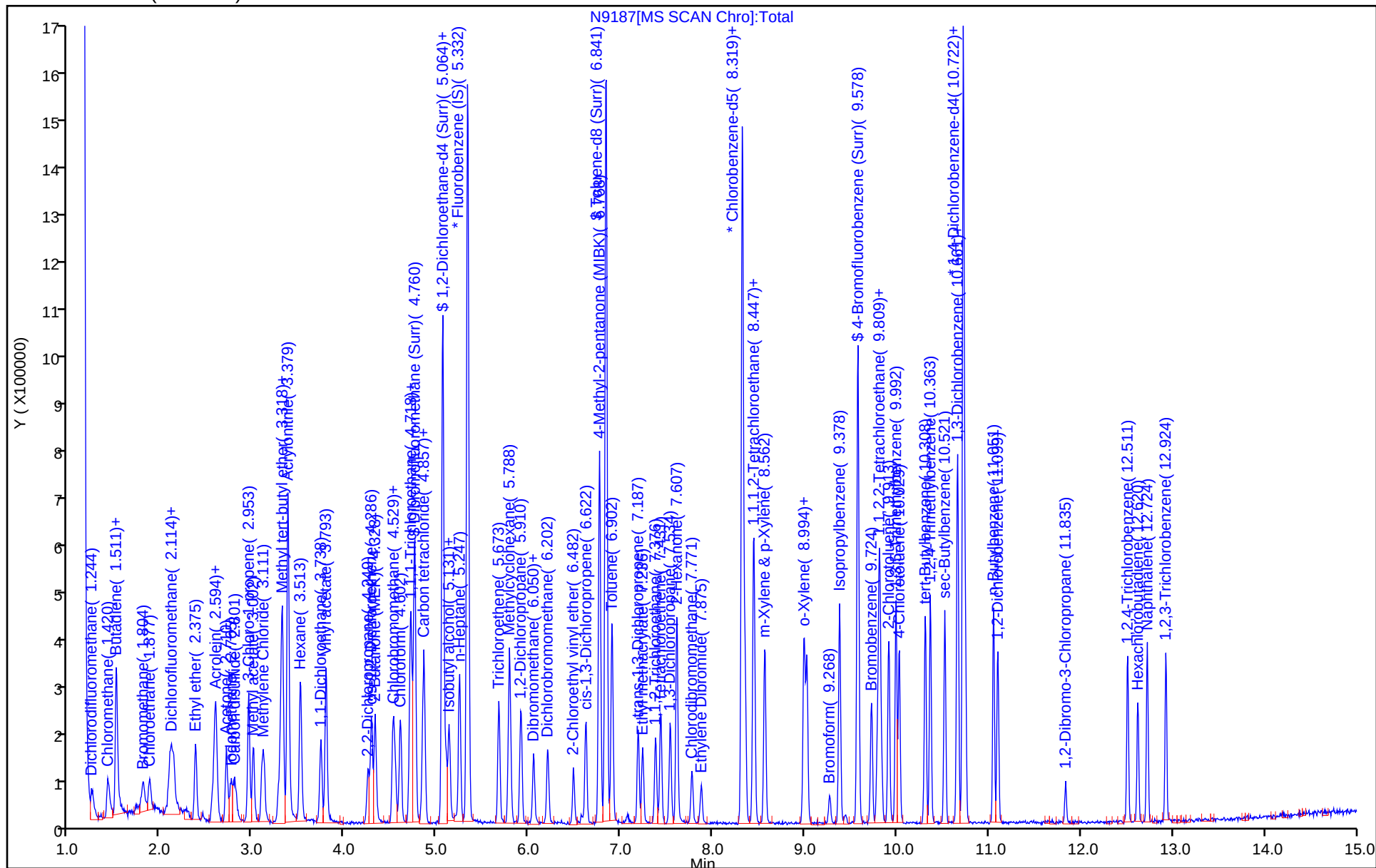
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

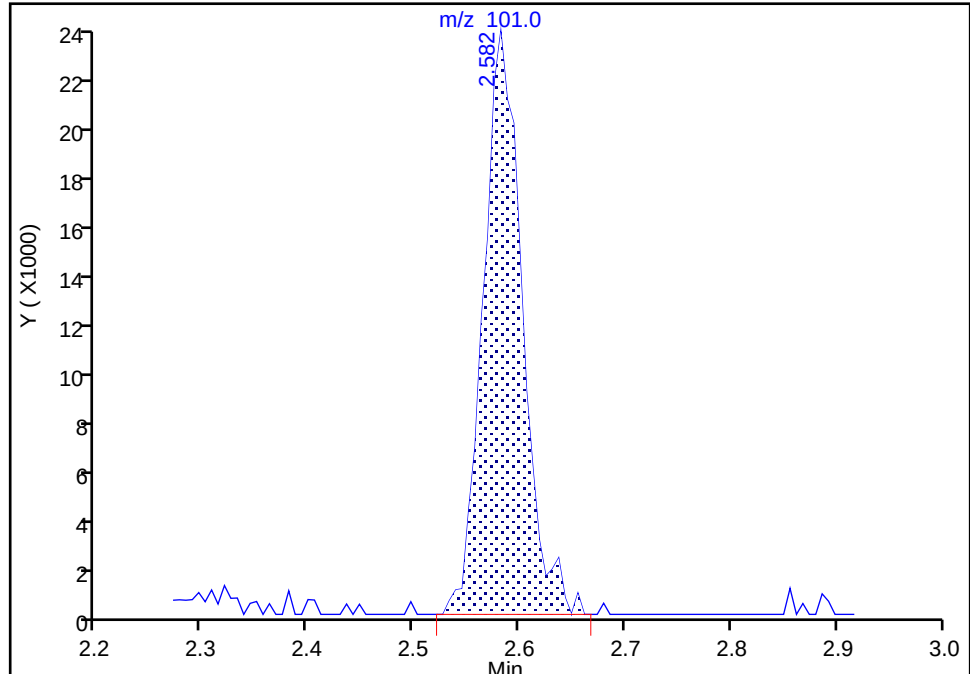
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Injection Date: 16-Nov-2021 19:20:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

21 112TCTFE, CAS: 76-13-1

Signal: 1

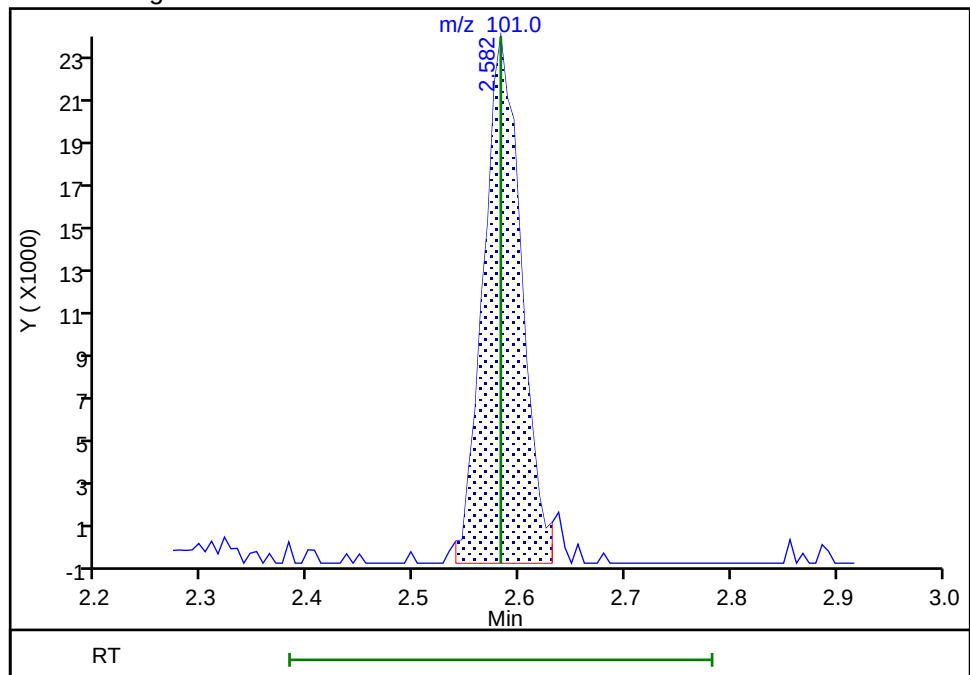
RT: 2.58
Area: 60068
Amount: 5.963592
Amount Units: ug/L

Processing Integration Results



RT: 2.58
Area: 58508
Amount: 5.957903
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:44:41
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 168 of 702

12/08/2021

Eurofins TestAmerica, Buffalo

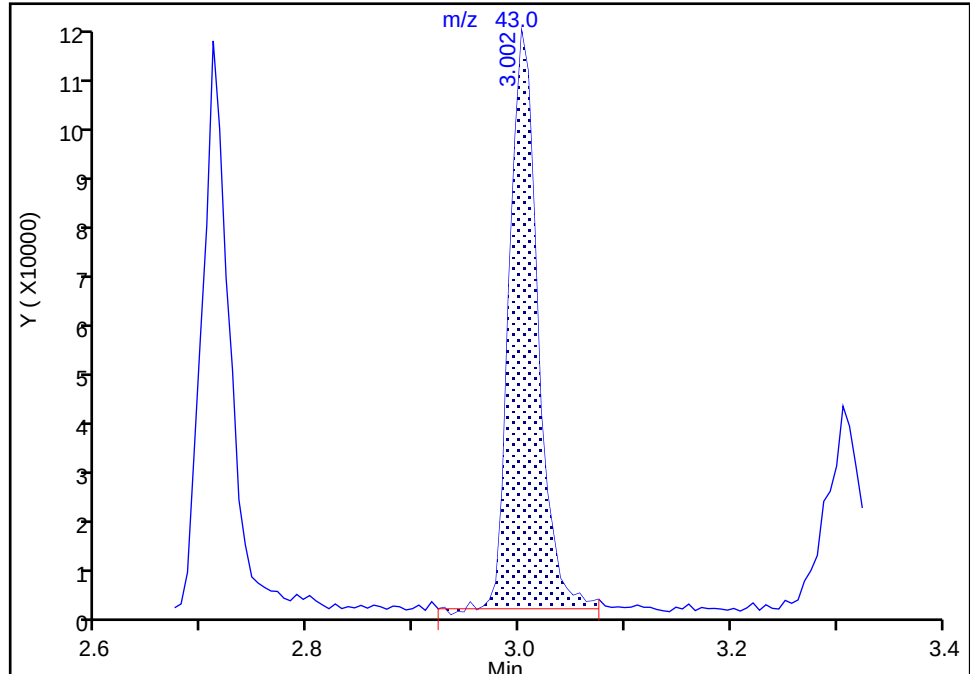
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9187.D
Injection Date: 16-Nov-2021 19:20:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: wd ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

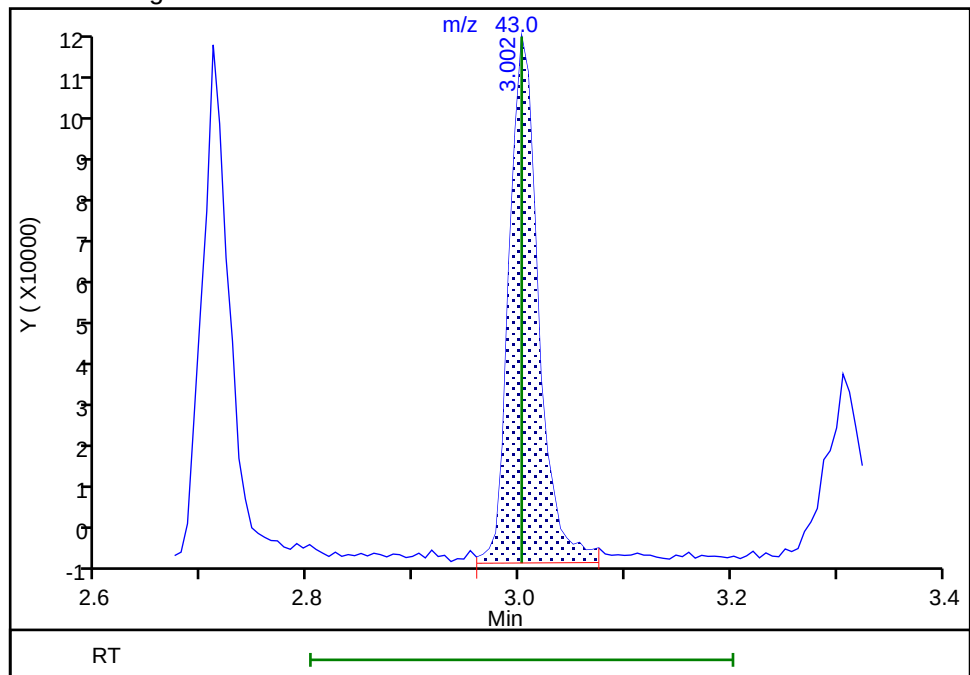
RT: 3.00
Area: 204013
Amount: 9.643586
Amount Units: ug/L

Processing Integration Results



RT: 3.00
Area: 214032
Amount: 10.018088
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:34:15
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 169 of 702

12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9187.D

Injection Date: 16-Nov-2021 19:20:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: wd

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

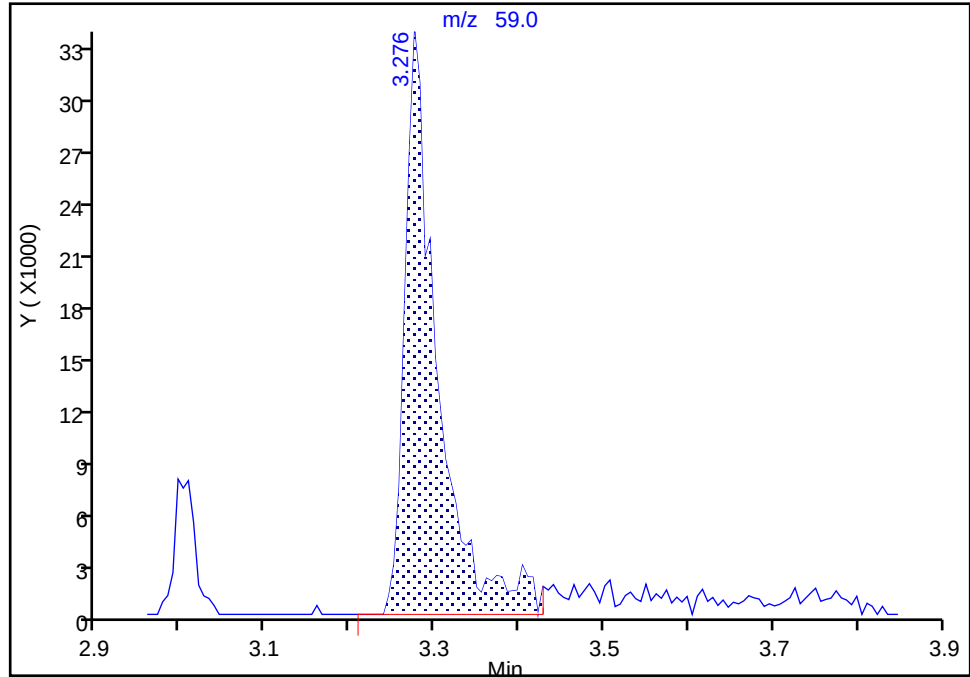
MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

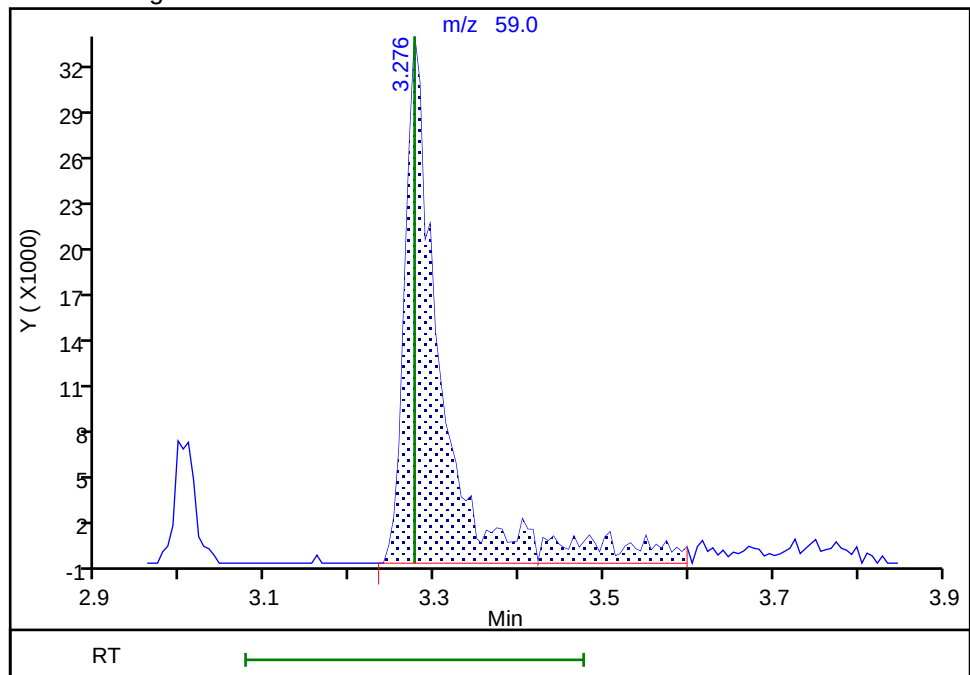
RT: 3.28
Area: 89317
Amount: 44.652611
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 100957
Amount: 48.652131
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:34:40

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9187.D

Injection Date: 16-Nov-2021 19:20:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: wd

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

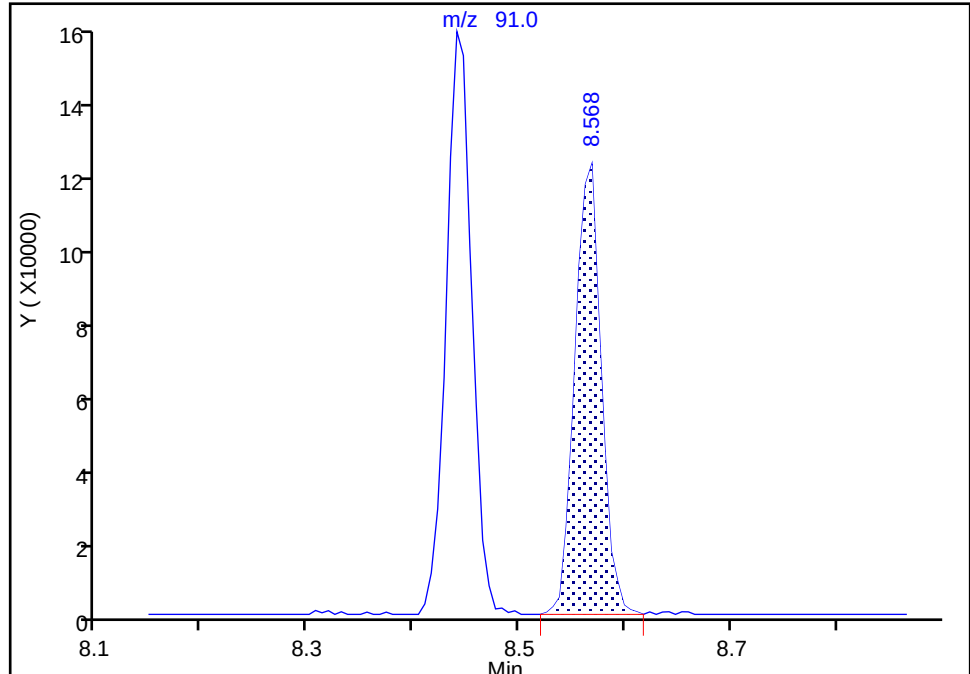
Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

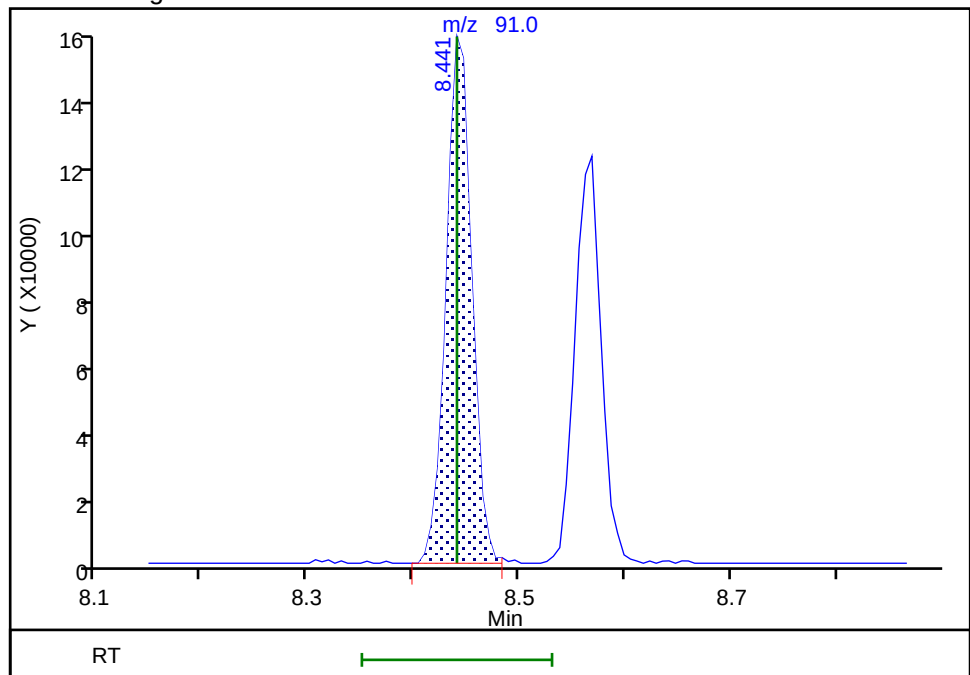
RT: 8.57
Area: 204009
Amount: 4.566257
Amount Units: ug/L

Processing Integration Results



RT: 8.44
Area: 257208
Amount: 5.089613
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:44:42

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9187.D

Injection Date: 16-Nov-2021 19:20:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: wd

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

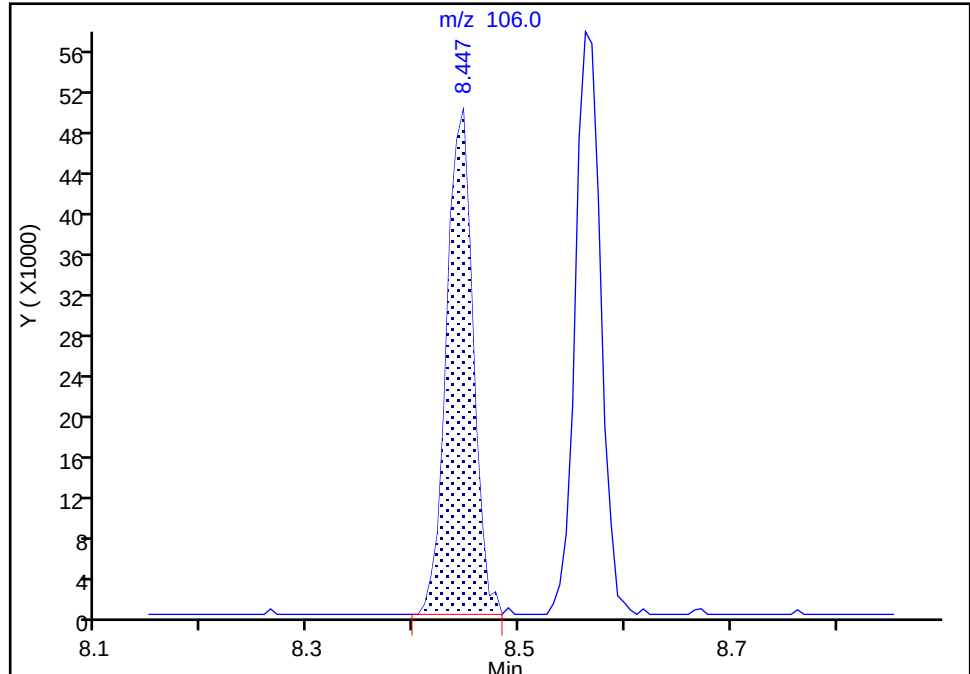
MS SCAN

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

Signal: 1

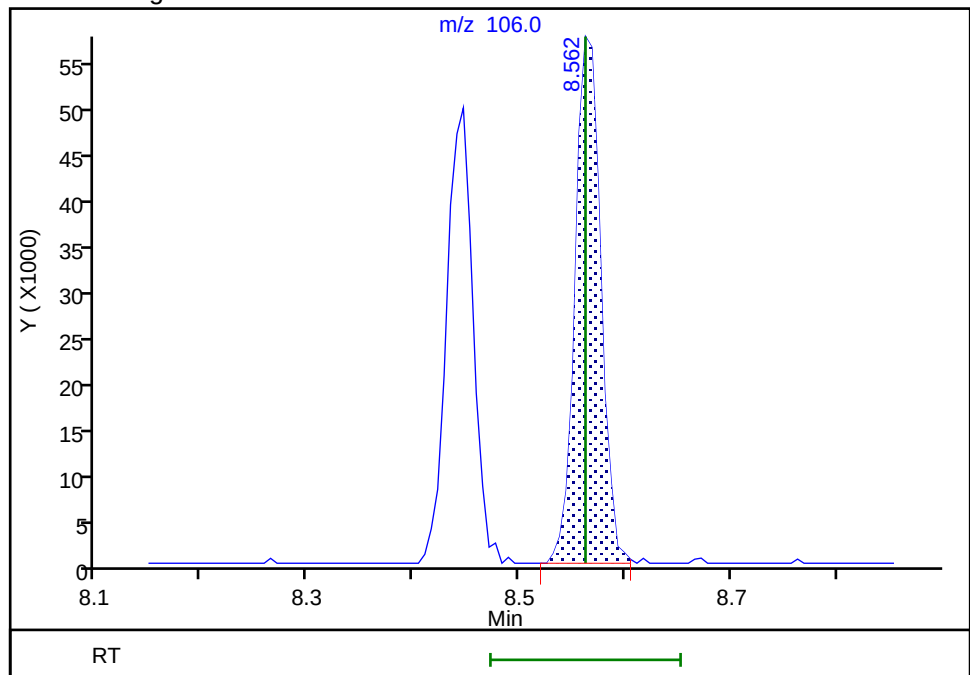
RT: 8.45
Area: 86747
Amount: 4.795239
Amount Units: ug/L

Processing Integration Results



RT: 8.56
Area: 97334
Amount: 4.938445
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:44:46

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9188.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 16-Nov-2021 19:43:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0102482-009
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:01:59 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: dahnw

Date: 16-Nov-2021 21:37:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.332	0.006	97	245134	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	755757	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	388524	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.760	-0.006	92	308375	25.0	24.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.064	0.000	83	443357	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	1007186	25.0	25.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	87	273401	25.0	25.1	
11 Dichlorodifluoromethane	85	1.244	1.256	-0.012	98	109094	10.0	10.2	
13 Chloromethane	50	1.420	1.432	-0.012	99	221934	10.0	9.50	
144 Butadiene	54	1.512	1.511	0.001	97	202255	10.0	9.55	
14 Vinyl chloride	62	1.512	1.518	-0.006	52	146319	10.0	9.20	
15 Bromomethane	94	1.810	1.810	0.000	91	86764	10.0	8.86	
16 Chloroethane	64	1.877	1.877	0.001	93	97794	10.0	9.18	
17 Dichlorofluoromethane	67	2.108	2.108	0.000	97	228195	10.0	9.48	
18 Trichlorofluoromethane	101	2.126	2.108	0.018	88	175233	10.0	9.40	M
19 Ethyl ether	59	2.369	2.375	-0.006	97	182960	10.0	10.1	
20 Acrolein	56	2.552	2.552	0.000	96	49256	50.0	49.3	
21 112TCTFE	101	2.582	2.582	0.000	69	108021	10.0	10.0	
22 1,1-Dichloroethene	96	2.600	2.594	0.006	91	114072	10.0	10.1	
23 Acetone	43	2.710	2.710	0.000	96	403322	50.0	44.9	
24 Iodomethane	142	2.765	2.765	0.000	99	191033	10.0	9.44	
25 Carbon disulfide	76	2.807	2.801	0.006	99	293520	10.0	9.57	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	85	340472	10.0	9.28	
28 Methyl acetate	43	3.002	3.002	0.000	100	431788	20.0	19.1	
30 Methylene Chloride	84	3.118	3.111	0.007	89	135471	10.0	10.2	
31 2-Methyl-2-propanol	59	3.282	3.276	0.006	97	209014	100.0	95.0	M
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	94	446207	10.0	9.57	
33 trans-1,2-Dichloroethene	96	3.318	3.324	-0.006	90	134512	10.0	9.84	
34 Acrylonitrile	53	3.379	3.379	0.000	98	1023100	100.0	94.6	
35 Hexane	57	3.513	3.513	0.000	95	240638	10.0	9.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	97	304126	10.0	9.42	
39 Vinyl acetate	43	3.793	3.793	0.000	97	961011	20.0	18.9	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	84	104861	10.0	9.54	
43 cis-1,2-Dichloroethene	96	4.292	4.286	0.006	87	152232	10.0	9.74	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	96	616450	50.0	47.5	
47 Chlorobromomethane	128	4.523	4.523	0.000	86	83889	10.0	10.0	
49 Tetrahydrofuran	42	4.541	4.547	-0.006	92	163774	20.0	18.6	
50 Chloroform	83	4.602	4.602	0.000	95	267282	10.0	9.28	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	79	189236	10.0	9.61	
52 Cyclohexane	56	4.718	4.718	0.000	94	293725	10.0	9.26	
53 Carbon tetrachloride	117	4.845	4.845	0.000	93	145717	10.0	9.58	
54 1,1-Dichloropropene	75	4.857	4.864	-0.007	83	174743	10.0	9.63	
55 Benzene	78	5.064	5.064	0.000	85	522142	10.0	9.77	
56 Isobutyl alcohol	43	5.095	5.101	-0.006	89	201072	250.0	219.6	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	275372	10.0	9.33	
59 n-Heptane	43	5.247	5.247	0.000	95	281892	10.0	9.44	
60 Trichloroethene	95	5.673	5.673	0.000	94	137918	10.0	9.57	
62 Methylcyclohexane	83	5.788	5.788	0.000	94	200811	10.0	9.29	
63 1,2-Dichloropropane	63	5.910	5.916	-0.006	84	158915	10.0	10.0	
64 Dibromomethane	93	6.050	6.050	0.000	96	87597	10.0	9.84	
66 1,4-Dioxane	88	6.062	6.062	0.000	36	26450	200.0	232.5	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	95	173387	10.0	9.41	
69 2-Chloroethyl vinyl ether	63	6.488	6.482	0.006	89	87584	10.0	10.2	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	83	193789	10.0	9.77	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	393917	50.0	50.3	
73 Toluene	92	6.902	6.908	-0.006	96	294953	10.0	9.72	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	91	166322	10.0	9.70	
77 Ethyl methacrylate	69	7.236	7.236	0.000	87	125383	10.0	9.66	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	93	89085	10.0	9.68	
79 Tetrachloroethene	166	7.431	7.437	-0.006	92	124710	10.0	10.0	
80 1,3-Dichloropropane	76	7.534	7.540	-0.006	88	179546	10.0	9.94	
82 2-Hexanone	43	7.607	7.607	0.000	97	724612	50.0	50.4	
83 Chlorodibromomethane	129	7.772	7.771	0.001	90	109517	10.0	9.68	
84 Ethylene Dibromide	107	7.875	7.875	0.000	96	116479	10.0	10.2	
85 Chlorobenzene	112	8.349	8.349	0.000	91	332733	10.0	9.88	
88 Ethylbenzene	91	8.441	8.441	0.000	97	529572	10.0	9.89	a
89 1,1,1,2-Tetrachloroethane	131	8.453	8.453	0.000	91	128074	10.0	9.91	
90 m-Xylene & p-Xylene	106	8.568	8.562	0.006	97	208225	10.0	9.97	a
91 o-Xylene	106	8.994	8.988	0.006	97	214565	10.0	9.59	
92 Styrene	104	9.019	9.019	0.000	94	336484	10.0	10.4	
93 Bromoform	173	9.268	9.274	-0.006	94	60406	10.0	9.37	
95 Isopropylbenzene	105	9.378	9.378	0.000	97	538265	10.0	9.76	
97 Bromobenzene	156	9.724	9.724	0.000	91	134751	10.0	10.2	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.791	-0.006	97	152238	10.0	9.85	
100 N-Propylbenzene	91	9.810	9.809	0.001	99	609777	10.0	9.83	
99 1,2,3-Trichloropropane	110	9.822	9.822	0.000	93	51917	10.0	10.2	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	82	65462	10.0	10.1	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	134425	10.0	9.87	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	95	451504	10.0	9.82	
105 4-Chlorotoluene	91	10.029	10.029	0.001	98	405792	10.0	9.93	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	94616	10.0	10.0	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	95	460963	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	549804	10.0	10.0	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	96	271090	10.0	10.3	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	510129	10.0	10.1	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	93	258094	10.0	9.61	
115 n-Butylbenzene	91	11.051	11.051	0.000	98	415442	10.0	9.92	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	95	262331	10.0	9.43	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	71	30187	10.0	10.1	
119 1,2,4-Trichlorobenzene	180	12.511	12.511	0.000	92	176460	10.0	9.56	
120 Hexachlorobutadiene	225	12.620	12.626	-0.006	95	78870	10.0	9.92	
121 Naphthalene	128	12.724	12.724	0.000	98	513758	10.0	9.80	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	95	170431	10.0	9.43	
S 123 1,3-Dichloropropene, Total	1				0			19.5	
S 126 Xylenes, Total	1				0			19.6	
S 125 Total BTEX	1				0			48.9	
S 124 1,2-Dichloroethene, Total	1				0			19.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 5.00

Units: uL

GAS CORP mix_00480

Amount Added: 5.00

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9188.D

Injection Date: 16-Nov-2021 19:43:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: IC 4

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

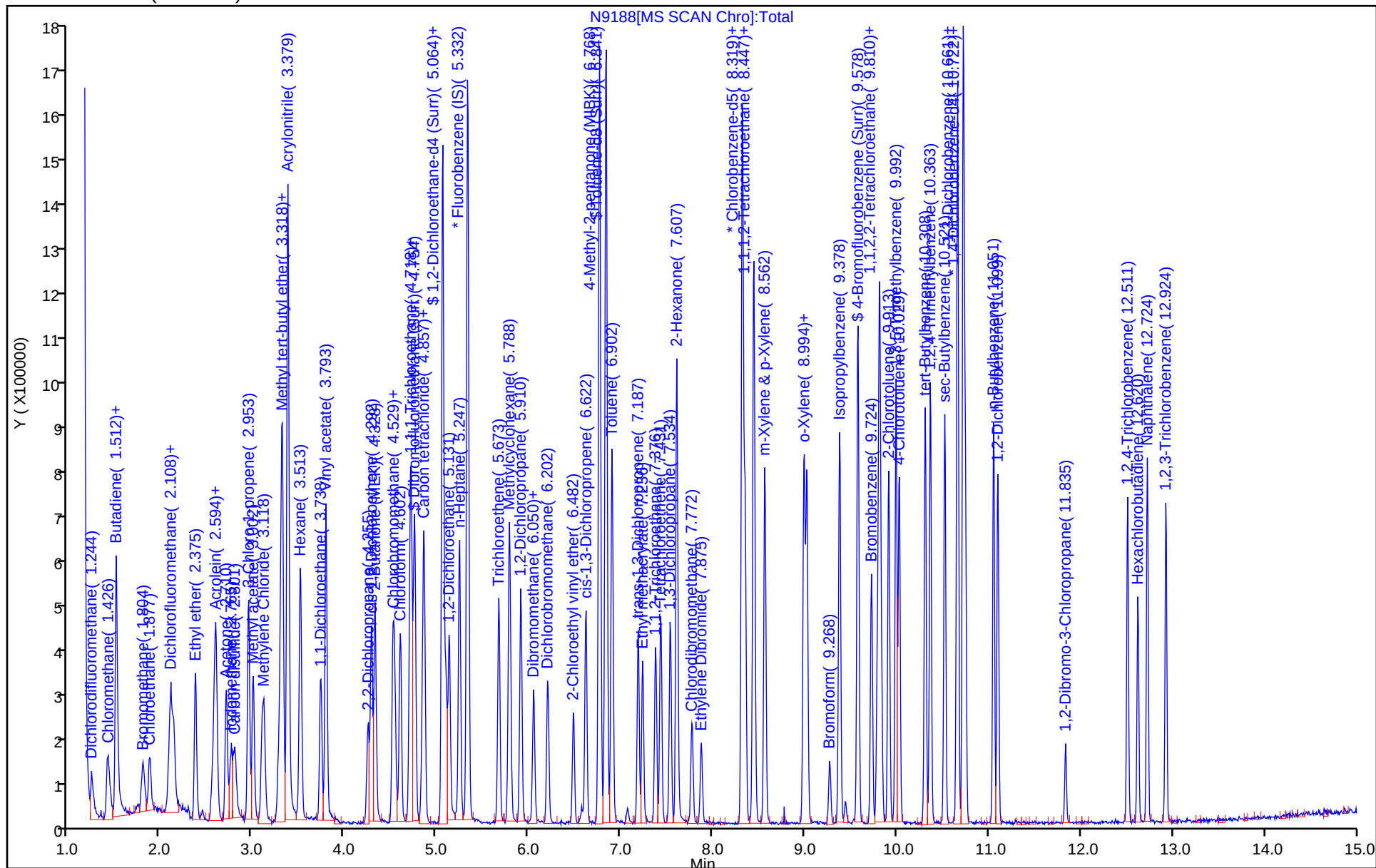
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9188.D

Injection Date: 16-Nov-2021 19:43:30

Instrument ID: HP5973N

Lims ID: IC 4

Client ID:

Operator ID: wd

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

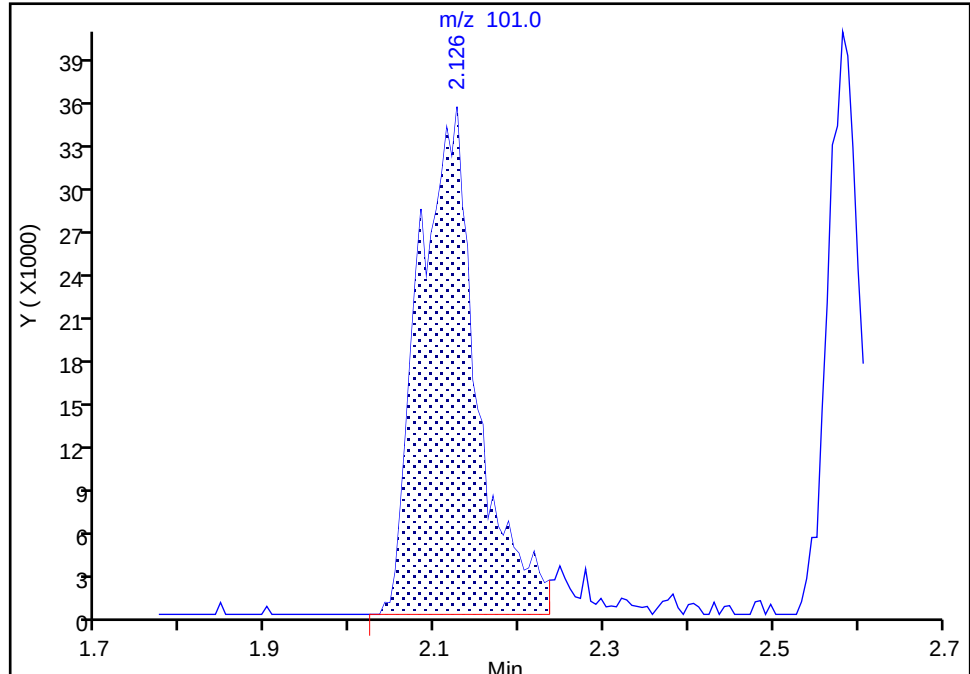
Detector: MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

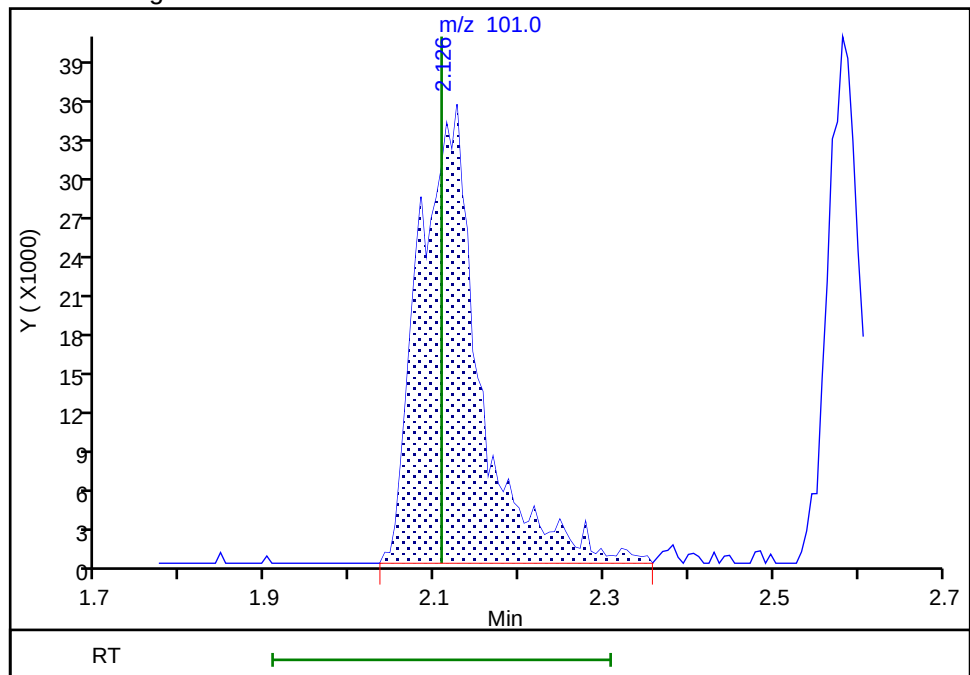
RT: 2.13
Area: 166481
Amount: 8.985422
Amount Units: ug/L

Processing Integration Results



RT: 2.13
Area: 175233
Amount: 9.402274
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:36:32

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9188.D

Injection Date: 16-Nov-2021 19:43:30

Instrument ID: HP5973N

Lims ID: IC 4

Client ID:

Operator ID: wd

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

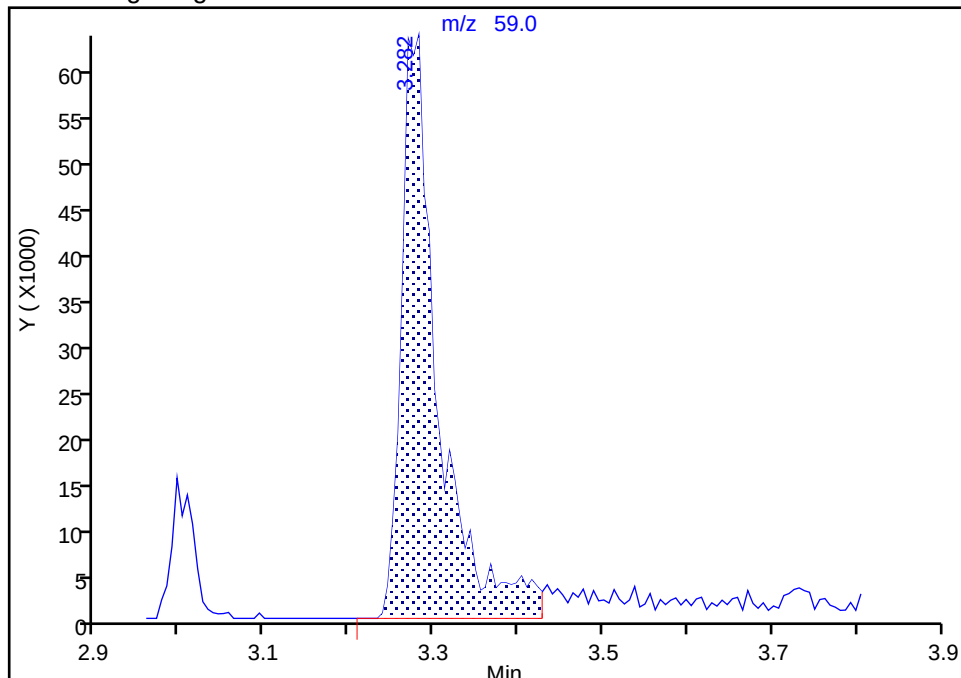
MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

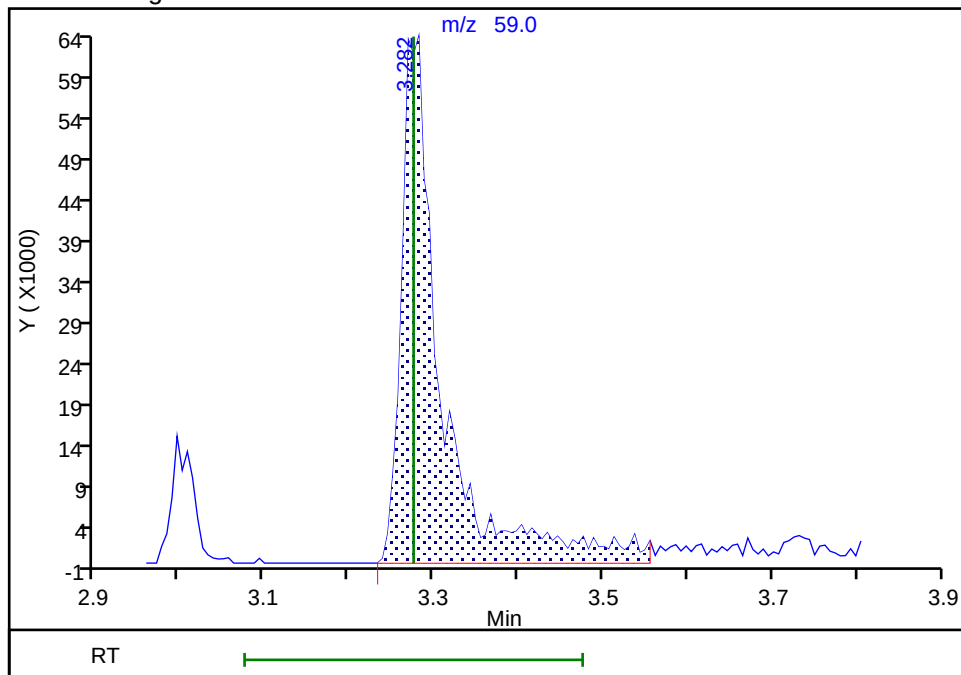
RT: 3.28
Area: 190532
Amount: 88.551910
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 209014
Amount: 95.001556
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:36:50

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9188.D

Injection Date: 16-Nov-2021 19:43:30

Instrument ID: HP5973N

Lims ID: IC 4

Client ID:

Operator ID: wd

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

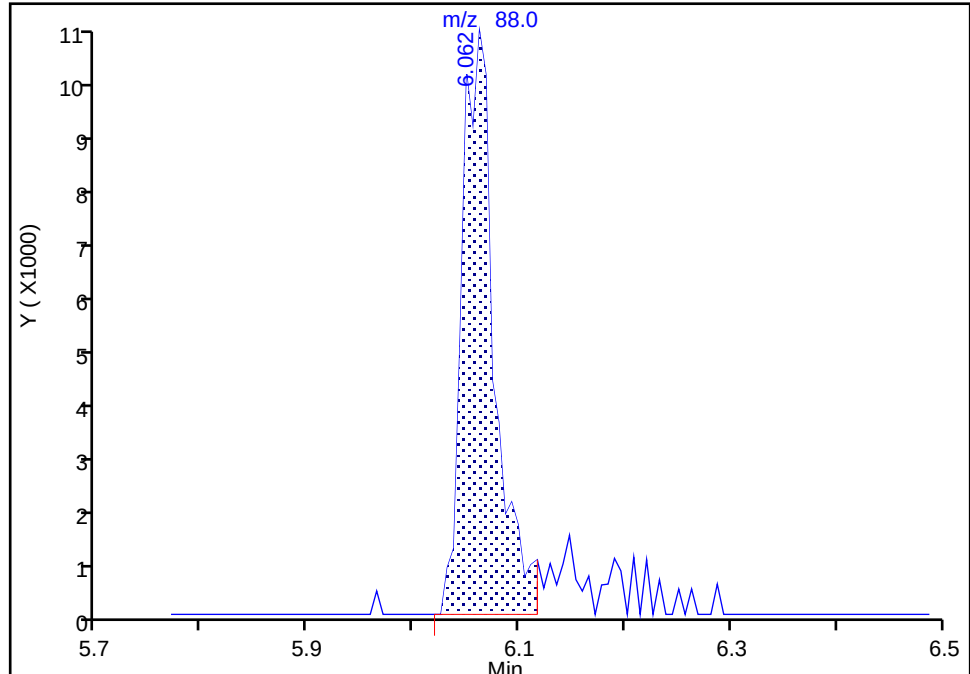
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

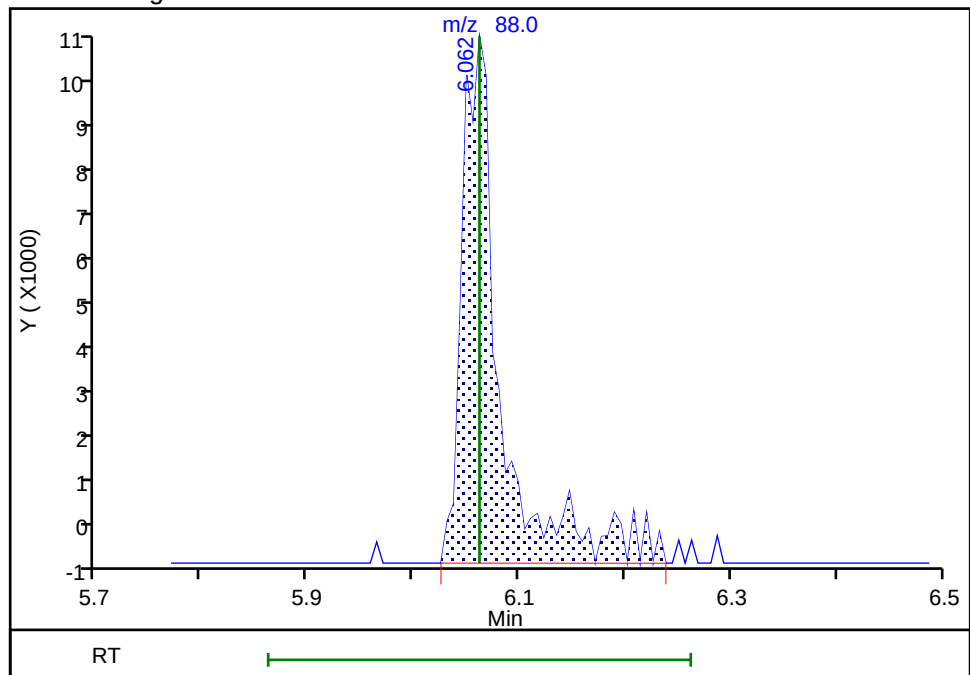
RT: 6.06
Area: 22258
Amount: 201.2332
Amount Units: ug/L

Processing Integration Results



RT: 6.06
Area: 26450
Amount: 232.4635
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:45:21

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9188.D

Injection Date: 16-Nov-2021 19:43:30

Instrument ID: HP5973N

Lims ID: IC 4

Client ID:

Operator ID: wd

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

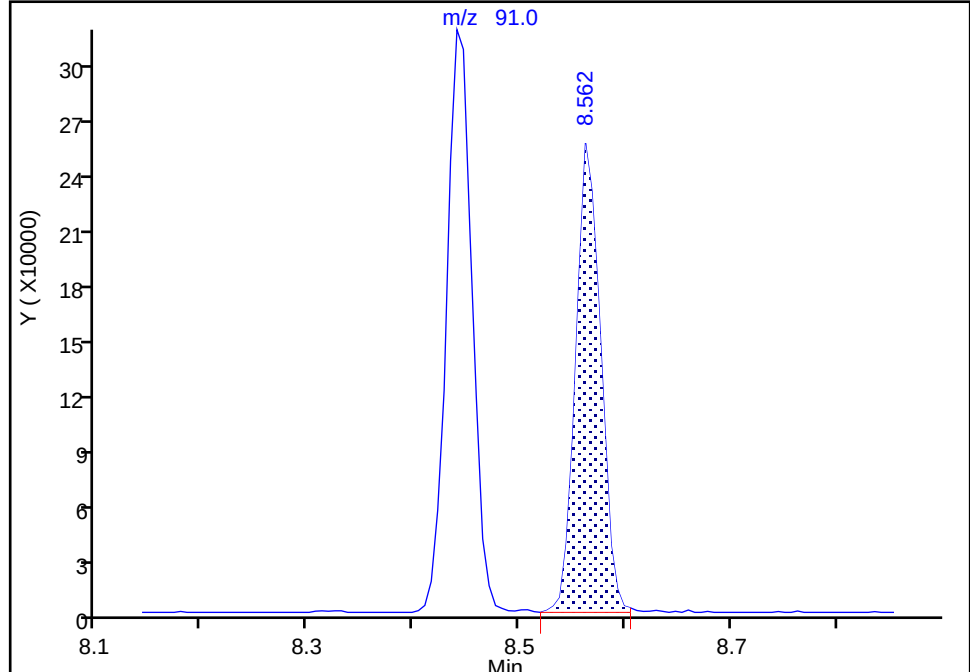
Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

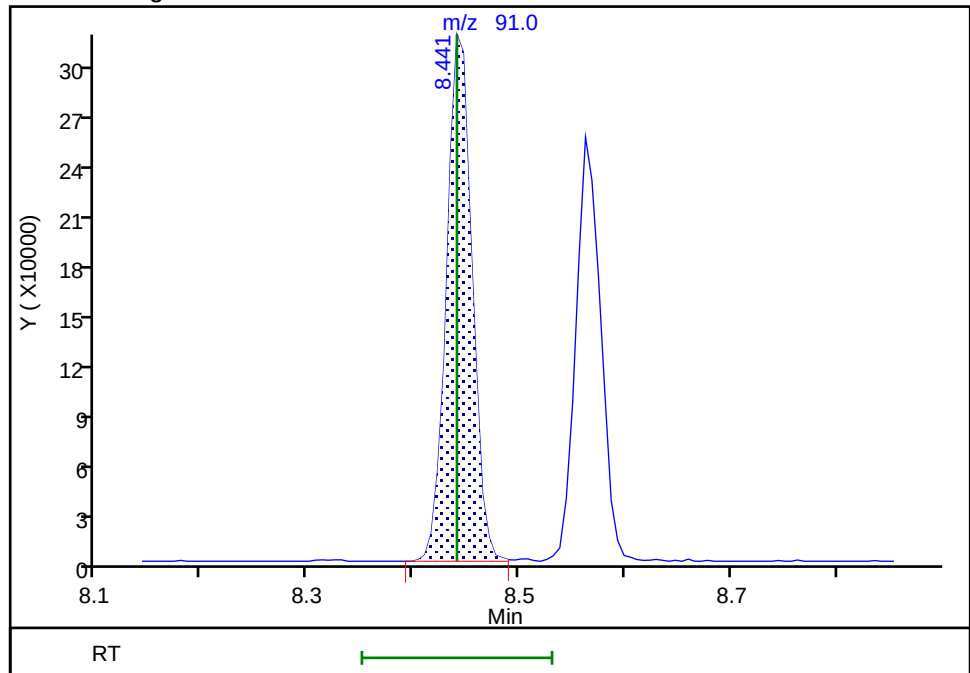
RT: 8.56
Area: 416076
Amount: 8.532240
Amount Units: ug/L

Processing Integration Results



RT: 8.44
Area: 529572
Amount: 9.886538
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:45:27

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9188.D

Injection Date: 16-Nov-2021 19:43:30

Instrument ID: HP5973N

Lims ID: IC 4

Client ID:

Operator ID: wd

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

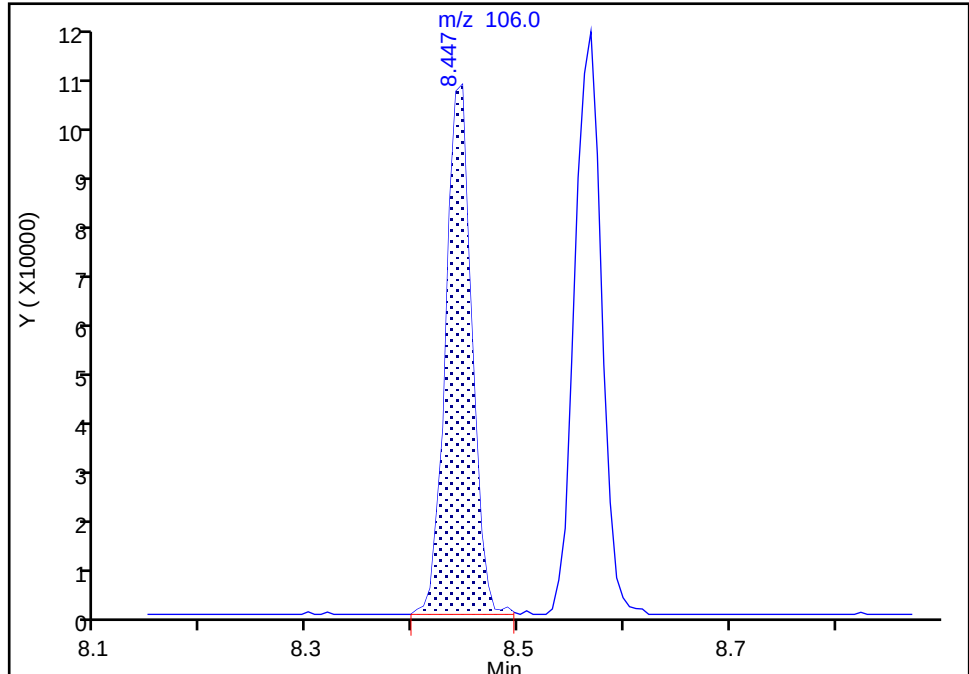
MS SCAN

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

Signal: 1

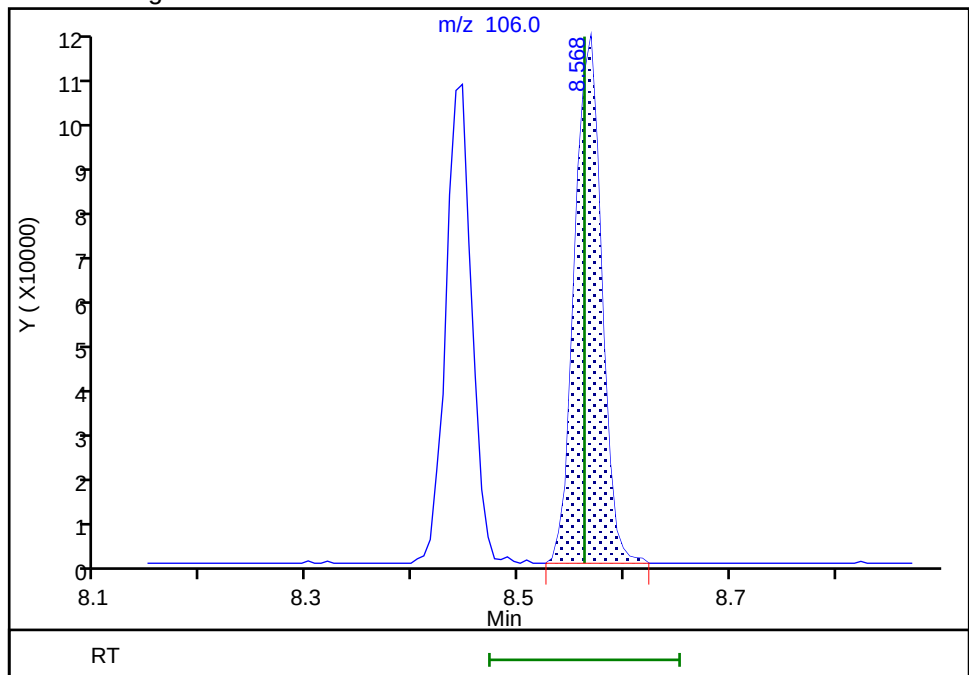
RT: 8.45
Area: 182306
Amount: 9.370604
Amount Units: ug/L

Processing Integration Results



RT: 8.57
Area: 208225
Amount: 9.967298
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:45:31

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 16-Nov-2021 20:06:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0102482-010
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:02:02 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: HillL

Date: 17-Nov-2021 10:54:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	247409	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	771512	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	398297	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	322196	25.0	25.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	63	437439	25.0	24.4	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	999829	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	280350	25.0	25.2	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	97	276619	25.0	25.6	
13 Chloromethane	50	1.420	1.420	0.000	99	521733	25.0	22.1	
144 Butadiene	54	1.511	1.511	0.000	97	504531	25.0	23.6	
14 Vinyl chloride	62	1.511	1.511	0.000	49	386292	25.0	24.1	
15 Bromomethane	94	1.803	1.803	0.000	92	225800	25.0	22.8	
16 Chloroethane	64	1.870	1.870	0.000	95	247505	25.0	23.0	
17 Dichlorofluoromethane	67	2.102	2.102	0.000	96	547288	25.0	22.5	
18 Trichlorofluoromethane	101	2.114	2.114	0.000	58	458544	25.0	24.4	
19 Ethyl ether	59	2.375	2.375	0.000	96	452465	25.0	24.6	
20 Acrolein	56	2.552	2.552	0.000	99	122859	125.0	121.8	
21 112TCTFE	101	2.582	2.582	0.000	93	262146	25.0	23.4	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	92	277674	25.0	24.3	
23 Acetone	43	2.704	2.704	0.000	96	1061667	125.0	117.2	
24 Iodomethane	142	2.759	2.759	0.000	98	499338	25.0	24.4	
25 Carbon disulfide	76	2.801	2.801	0.000	98	802465	25.0	25.9	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	85	938704	25.0	25.3	
28 Methyl acetate	43	3.002	3.002	0.000	100	1122705	50.0	49.1	M
30 Methylene Chloride	84	3.111	3.111	0.000	90	346571	25.0	26.6	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	98	519672	250.0	234.0	M
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	95	1165654	25.0	24.8	
33 trans-1,2-Dichloroethene	96	3.318	3.318	0.000	90	355962	25.0	25.8	
34 Acrylonitrile	53	3.379	3.379	0.000	98	2690243	250.0	246.6	
35 Hexane	57	3.513	3.513	0.000	94	571833	25.0	21.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	793432	25.0	24.3	
39 Vinyl acetate	43	3.793	3.793	0.000	97	2669322	50.0	52.1	
42 2,2-Dichloropropane	77	4.249	4.249	0.000	82	285835	25.0	25.8	
43 cis-1,2-Dichloroethene	96	4.286	4.286	0.000	86	394498	25.0	25.0	
44 2-Butanone (MEK)	43	4.322	4.322	0.000	96	1578914	125.0	120.6	M
47 Chlorobromomethane	128	4.523	4.523	0.000	87	207477	25.0	24.6	
49 Tetrahydrofuran	42	4.541	4.541	0.000	92	434046	50.0	48.8	Ma
50 Chloroform	83	4.602	4.602	0.000	95	676999	25.0	23.3	
51 1,1,1-Trichloroethane	97	4.705	4.705	0.000	95	517529	25.0	26.0	
52 Cyclohexane	56	4.711	4.711	0.000	95	735207	25.0	22.0	
53 Carbon tetrachloride	117	4.845	4.845	0.000	93	394776	25.0	25.7	
54 1,1-Dichloropropene	75	4.864	4.864	0.000	83	452316	25.0	24.7	
55 Benzene	78	5.064	5.064	0.000	91	1346507	25.0	25.0	
56 Isobutyl alcohol	43	5.101	5.101	0.000	93	575310	625.0	622.5	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	96	704911	25.0	23.7	
59 n-Heptane	43	5.247	5.247	0.000	96	687221	25.0	22.1	
60 Trichloroethene	95	5.673	5.673	0.000	94	360359	25.0	24.8	
62 Methylcyclohexane	83	5.788	5.788	0.000	95	497893	25.0	21.7	
63 1,2-Dichloropropane	63	5.910	5.910	0.000	88	395331	25.0	24.8	
64 Dibromomethane	93	6.050	6.050	0.000	96	220829	25.0	24.6	
66 1,4-Dioxane	88	6.056	6.056	0.000	36	51562	500.0	443.9	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	460512	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.488	6.488	0.000	86	222061	25.0	25.7	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	84	507447	25.0	25.4	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	1039098	125.0	129.9	
73 Toluene	92	6.902	6.902	0.000	97	799026	25.0	25.8	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	92	452338	25.0	25.9	
77 Ethyl methacrylate	69	7.236	7.236	0.000	88	359567	25.0	27.1	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	231267	25.0	24.6	
79 Tetrachloroethene	166	7.437	7.437	0.000	93	321736	25.0	25.4	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	88	465501	25.0	25.2	
82 2-Hexanone	43	7.607	7.607	0.000	98	1895784	125.0	129.1	
83 Chlorodibromomethane	129	7.771	7.771	0.000	89	304325	25.0	26.4	
84 Ethylene Dibromide	107	7.875	7.875	0.000	98	302889	25.0	25.9	
85 Chlorobenzene	112	8.349	8.349	0.000	91	861461	25.0	25.0	
88 Ethylbenzene	91	8.441	8.441	0.000	98	1439545	25.0	26.3	a
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	92	349317	25.0	26.5	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	561934	25.0	26.3	a
91 o-Xylene	106	8.988	8.988	0.000	98	595281	25.0	26.1	
92 Styrene	104	9.025	9.025	0.000	93	894900	25.0	27.1	
93 Bromoform	173	9.268	9.268	0.000	95	176652	25.0	26.8	
95 Isopropylbenzene	105	9.378	9.378	0.000	97	1527461	25.0	27.0	
97 Bromobenzene	156	9.724	9.724	0.000	92	348874	25.0	25.9	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	94	403790	25.0	25.5	
100 N-Propylbenzene	91	9.809	9.809	0.000	98	1678554	25.0	26.4	
99 1,2,3-Trichloropropane	110	9.816	9.816	0.000	92	128758	25.0	24.6	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	78	167965	25.0	25.4	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	364104	25.0	26.1	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	96	1295816	25.0	27.5	
105 4-Chlorotoluene	91	10.028	10.028	0.000	99	1073419	25.0	25.6	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	270735	25.0	28.0	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	1309855	25.0	27.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	1547092	25.0	27.5	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	96	687743	25.0	25.4	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	1436687	25.0	27.7	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	92	680312	25.0	24.7	
115 n-Butylbenzene	91	11.051	11.051	0.000	98	1176681	25.0	27.4	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	95	730423	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	72	81705	25.0	26.8	
119 1,2,4-Trichlorobenzene	180	12.511	12.511	0.000	94	497010	25.0	26.3	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	96	228111	25.0	28.0	
121 Naphthalene	128	12.724	12.724	0.000	97	1496997	25.0	27.9	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	95	493635	25.0	26.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 12.50

Units: uL

GAS CORP mix_00480

Amount Added: 12.50

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D

Injection Date: 16-Nov-2021 20:06:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: ICIS 5

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

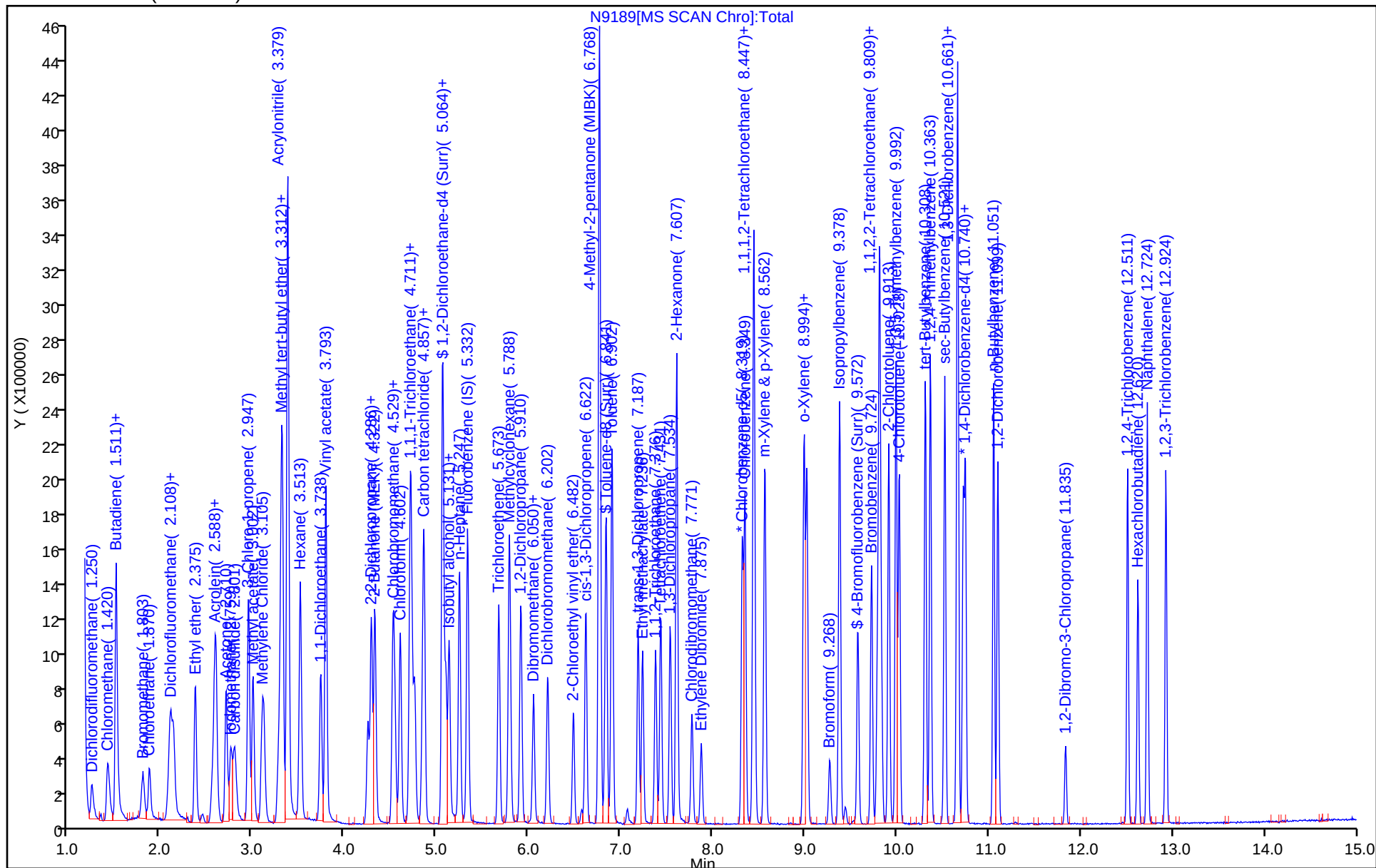
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D

Injection Date: 16-Nov-2021 20:06:30

Instrument ID: HP5973N

Lims ID: ICIS 5

Client ID:

Operator ID: wd

ALS Bottle#:

10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

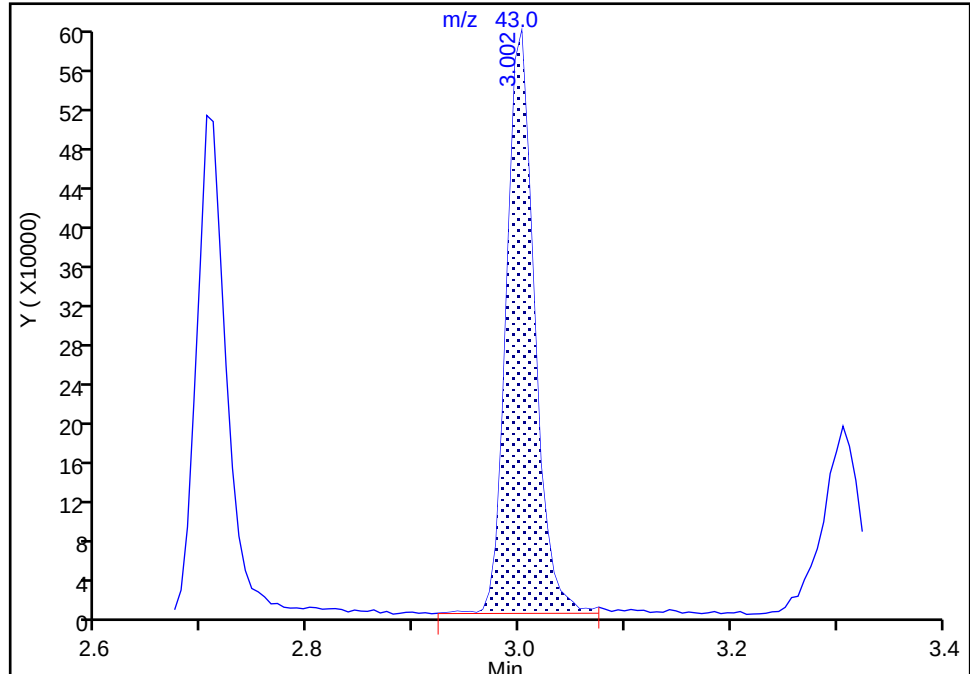
Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

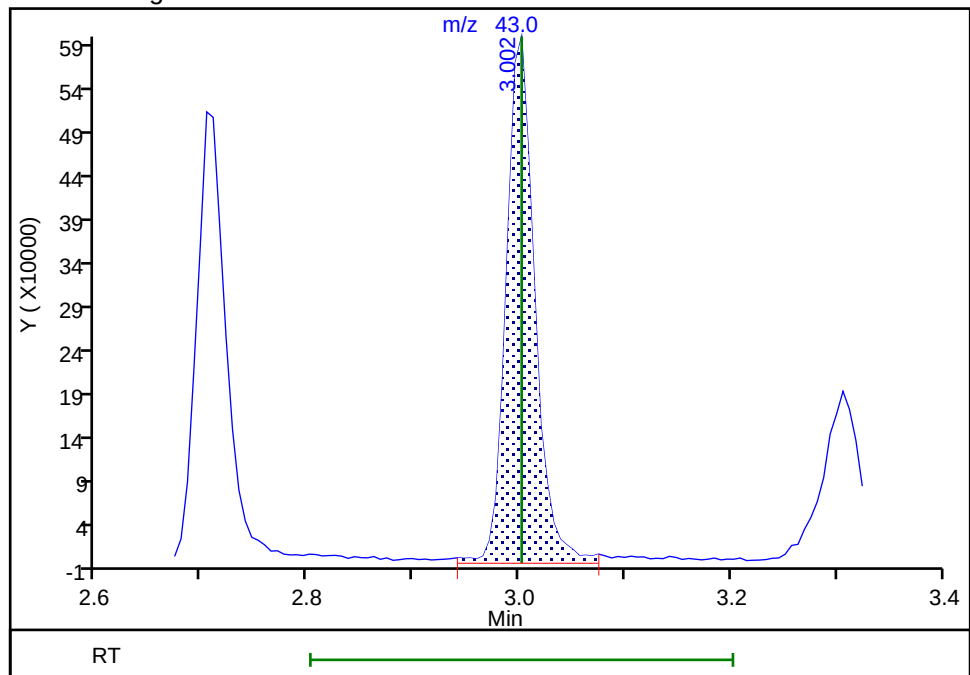
RT: 3.00
Area: 1089623
Amount: 48.308606
Amount Units: ug/L

Processing Integration Results



RT: 3.00
Area: 1122705
Amount: 49.107721
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:19:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D

Injection Date: 16-Nov-2021 20:06:30

Instrument ID: HP5973N

Lims ID: ICIS 5

Client ID:

Operator ID: wd

ALS Bottle#:

10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

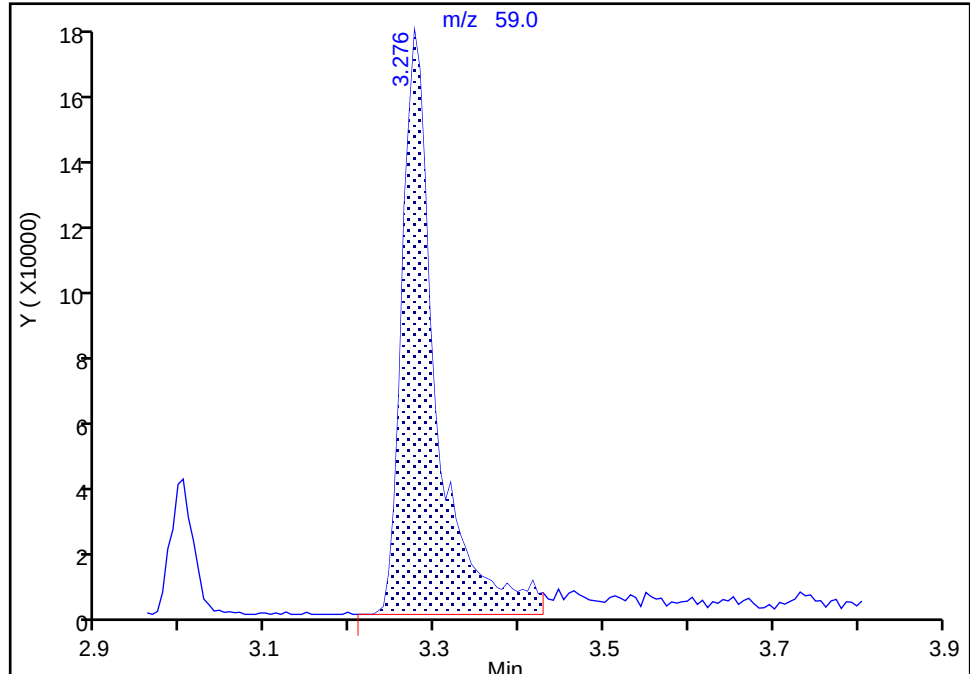
Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

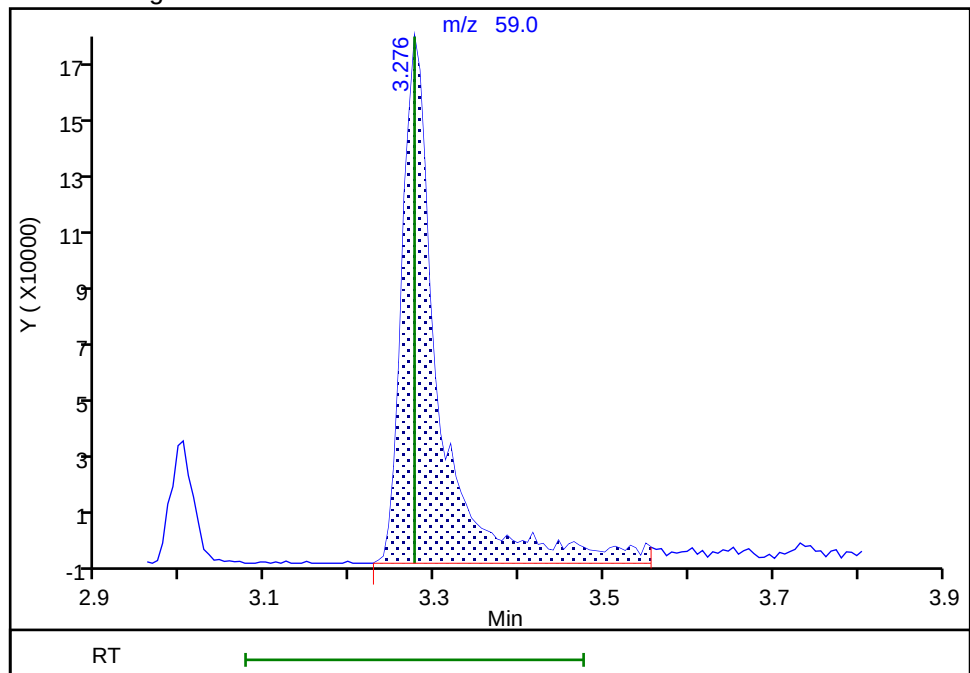
RT: 3.28
Area: 481357
Amount: 230.3669
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 519672
Amount: 234.0306
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:20:08

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D

Injection Date: 16-Nov-2021 20:06:30

Instrument ID: HP5973N

Lims ID: ICIS 5

Client ID:

Operator ID: wd

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

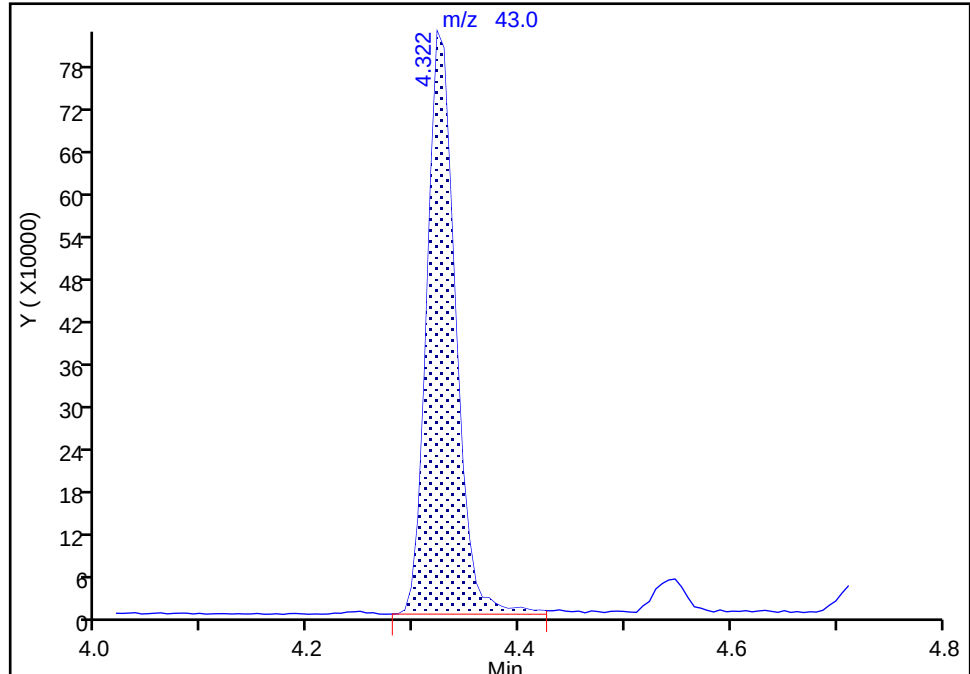
Detector: MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

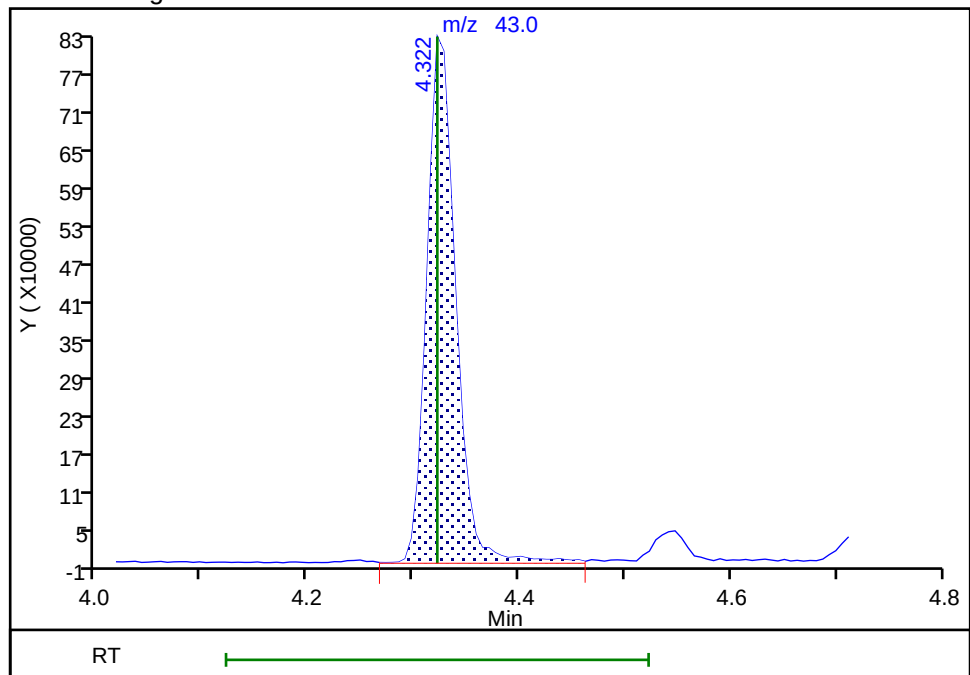
RT: 4.32
Area: 1556936
Amount: 120.8082
Amount Units: ug/L

Processing Integration Results



RT: 4.32
Area: 1578914
Amount: 120.5641
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:20:36

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D

Injection Date: 16-Nov-2021 20:06:30

Instrument ID: HP5973N

Lims ID: ICIS 5

Client ID:

Operator ID: wd

ALS Bottle#:

10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

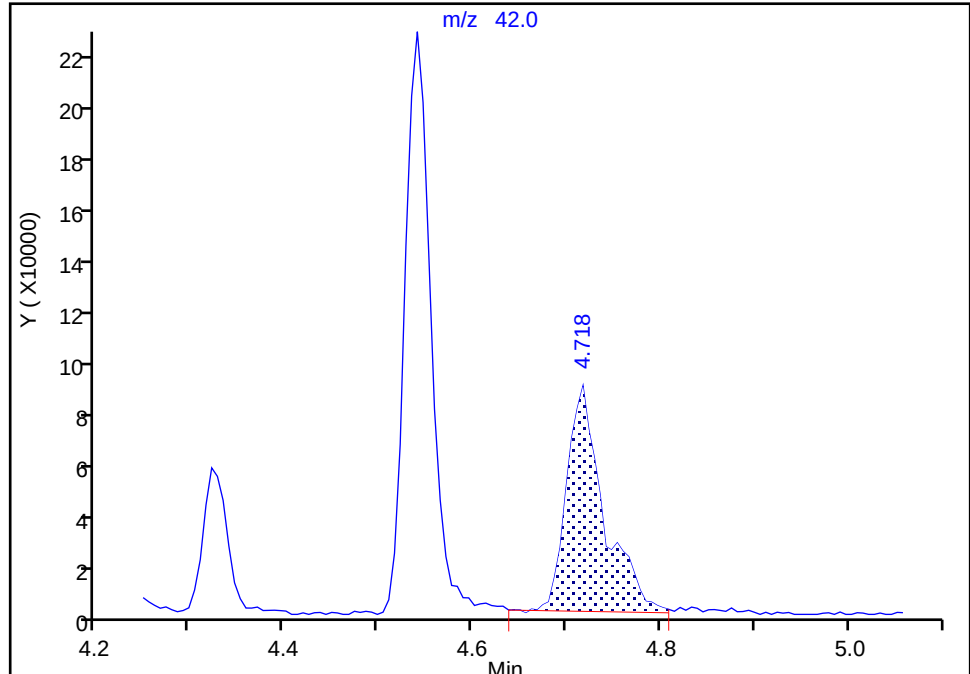
Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

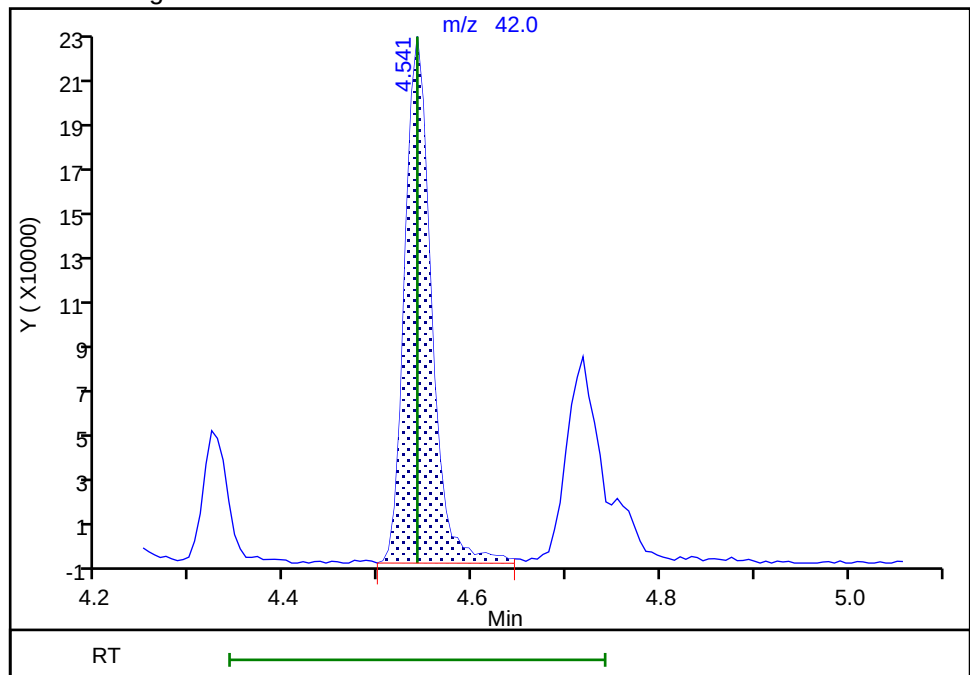
RT: 4.72
Area: 235487
Amount: 58.729855
Amount Units: ug/L

Processing Integration Results



RT: 4.54
Area: 434046
Amount: 48.824382
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:21:12

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D

Injection Date: 16-Nov-2021 20:06:30

Instrument ID: HP5973N

Lims ID: ICIS 5

Client ID:

Operator ID: wd

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

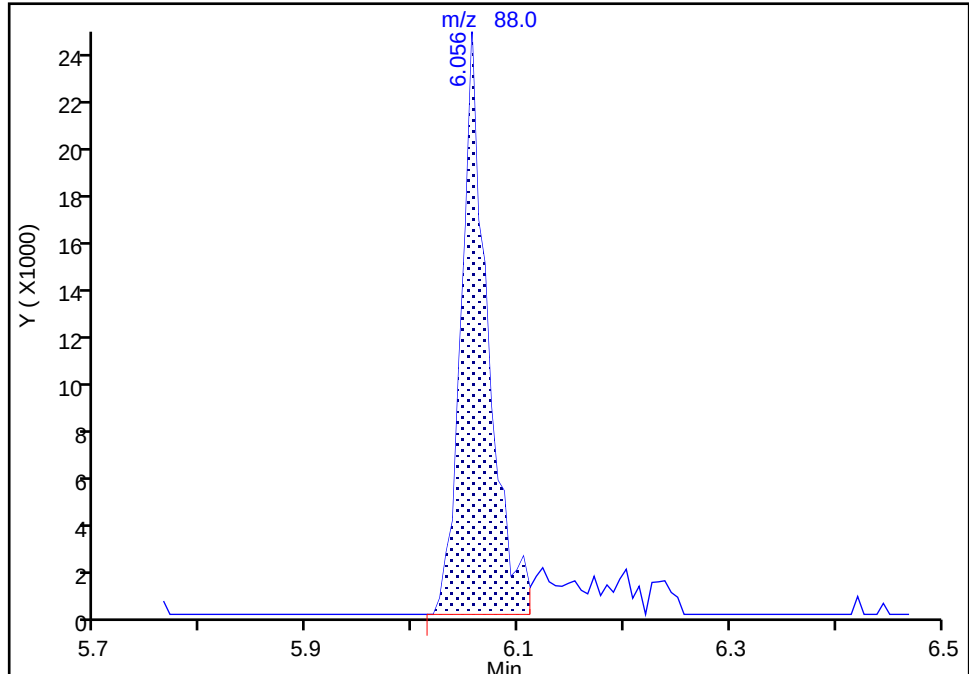
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

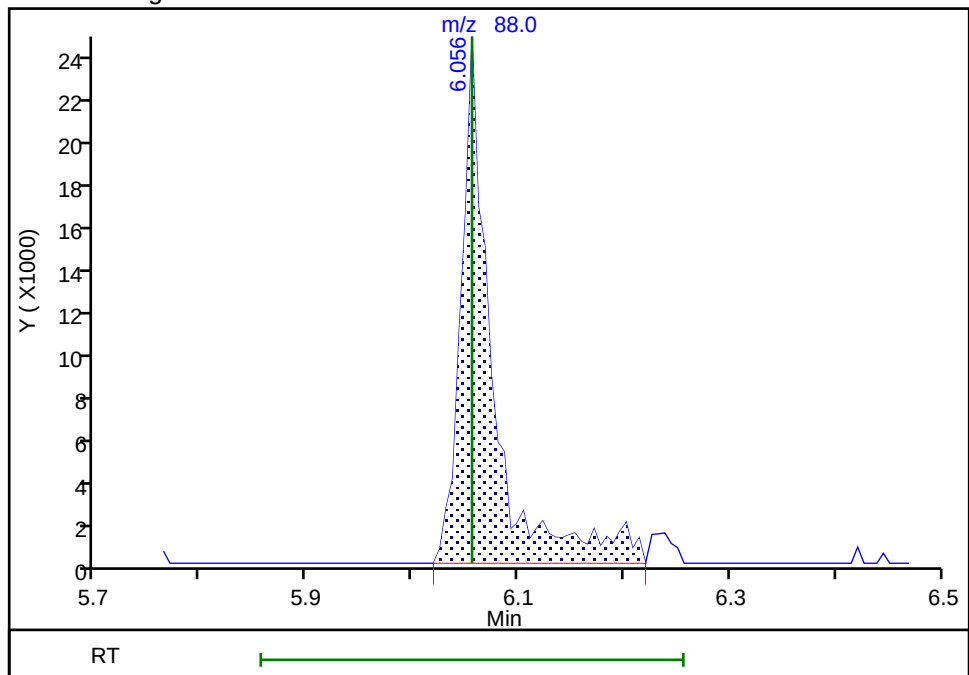
RT: 6.06
Area: 43476
Amount: 392.0628
Amount Units: ug/L

Processing Integration Results



RT: 6.06
Area: 51562
Amount: 443.9134
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:21:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

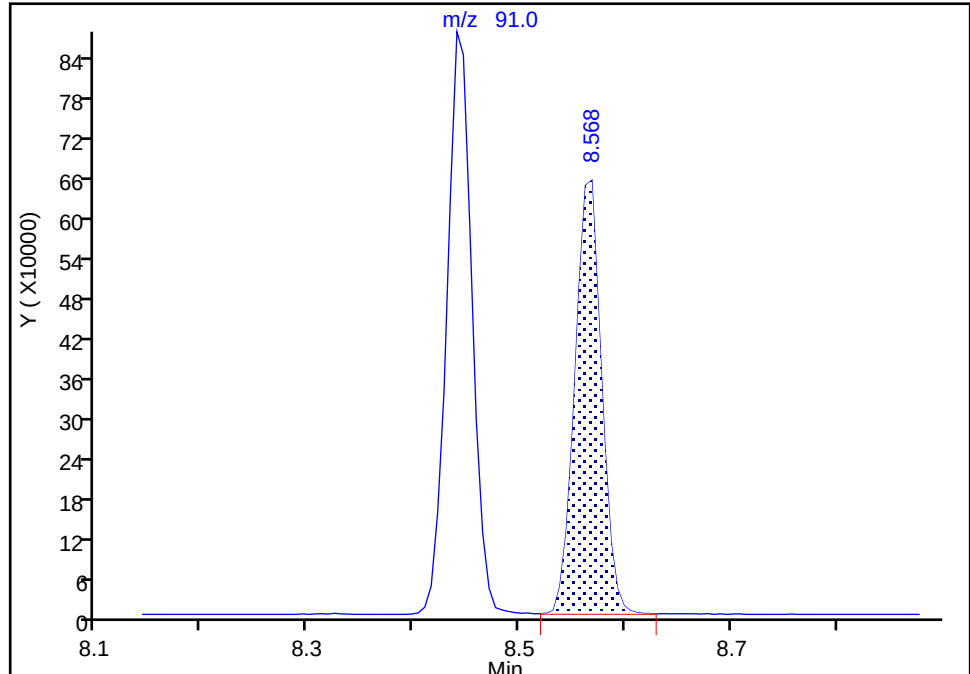
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D
Injection Date: 16-Nov-2021 20:06:30 Instrument ID: HP5973N
Lims ID: ICIS 5
Client ID:
Operator ID: wd ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

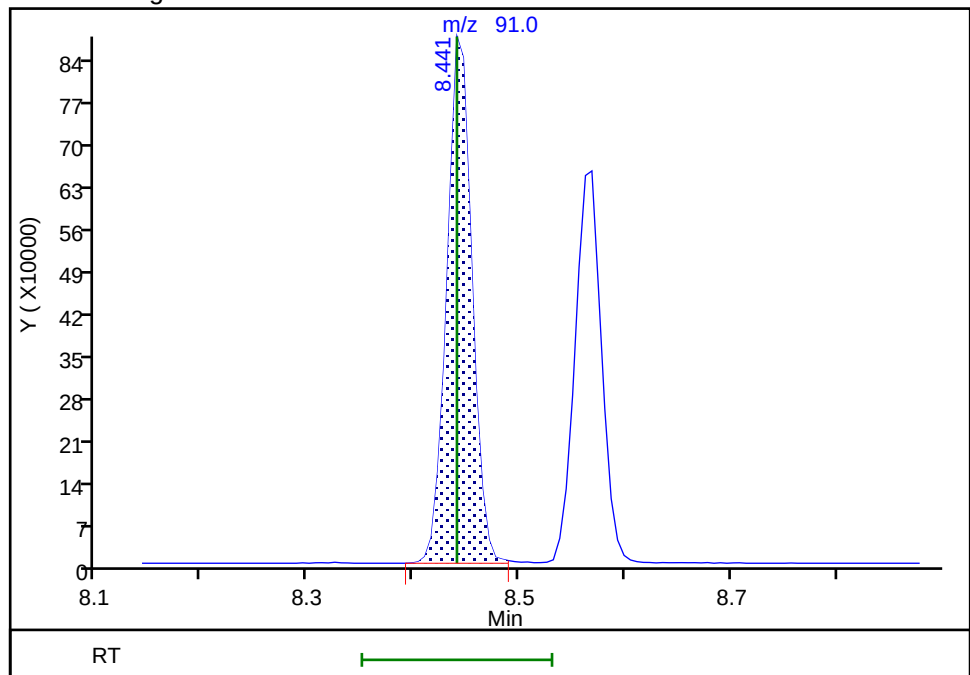
RT: 8.57
Area: 1137063
Amount: 26.359454
Amount Units: ug/L

Processing Integration Results



RT: 8.44
Area: 1439545
Amount: 26.325943
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:42:39

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9189.D

Injection Date: 16-Nov-2021 20:06:30

Instrument ID: HP5973N

Lims ID: ICIS 5

Client ID:

Operator ID: wd

ALS Bottle#:

10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

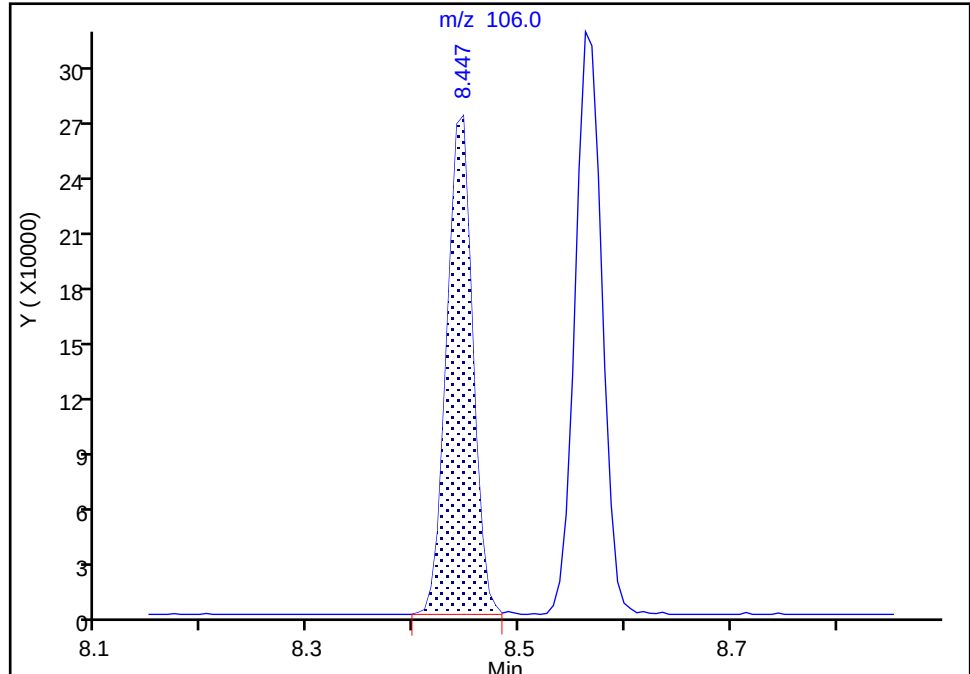
MS SCAN

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

Signal: 1

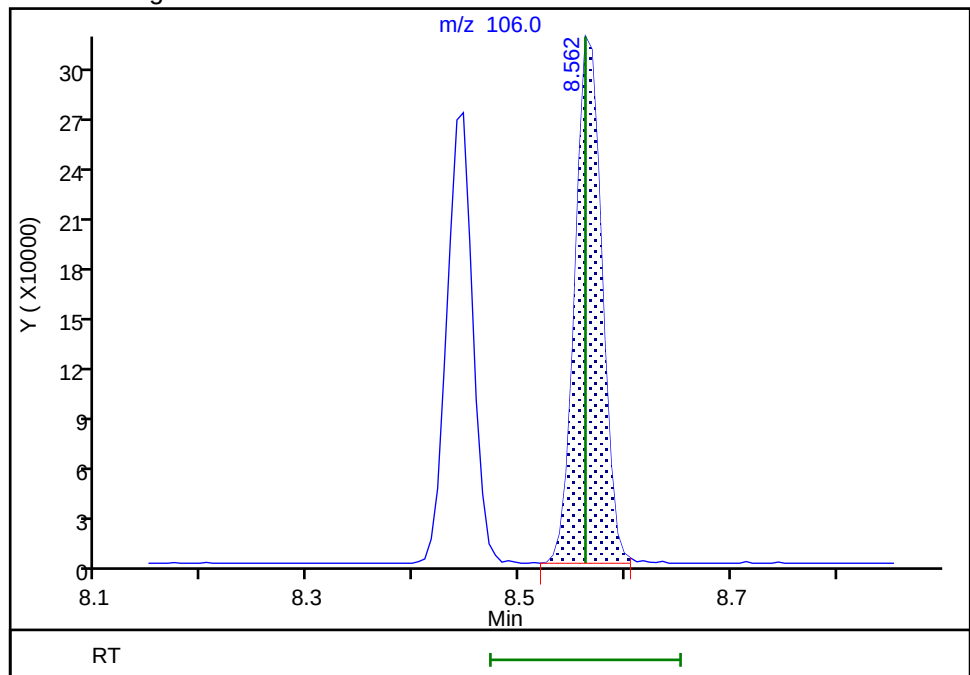
RT: 8.45
Area: 462440
Amount: 25.614877
Amount Units: ug/L

Processing Integration Results



RT: 8.56
Area: 561934
Amount: 26.349317
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:42:43

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9190.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 16-Nov-2021 20:29:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0102482-011
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:02:06 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: dahnw

Date: 16-Nov-2021 21:39:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	249652	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.325	8.319	0.006	91	796184	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	94	398062	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	333872	25.0	25.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	93	435063	25.0	24.0	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	1033344	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	85	292695	25.0	25.5	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	98	514442	50.0	47.2	
13 Chloromethane	50	1.420	1.420	0.000	100	1069225	50.0	44.9	
144 Butadiene	54	1.511	1.511	0.000	97	997270	50.0	46.2	
14 Vinyl chloride	62	1.517	1.511	0.006	52	779728	50.0	48.2	
15 Bromomethane	94	1.803	1.803	0.000	92	458685	50.0	46.0	
16 Chloroethane	64	1.870	1.870	0.000	95	504311	50.0	46.5	
17 Dichlorofluoromethane	67	2.101	2.102	-0.001	96	1144266	50.0	46.7	
18 Trichlorofluoromethane	101	2.114	2.114	0.000	53	906049	50.0	47.7	
19 Ethyl ether	59	2.375	2.375	0.000	95	881832	50.0	47.6	
20 Acrolein	56	2.552	2.552	0.000	98	241061	250.0	236.9	
21 112TCTFE	101	2.588	2.582	0.006	93	601346	50.0	52.5	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	92	598318	50.0	51.9	
23 Acetone	43	2.704	2.704	0.000	97	2080908	250.0	227.6	
24 Iodomethane	142	2.758	2.759	-0.001	98	1004232	50.0	48.7	
25 Carbon disulfide	76	2.801	2.801	0.000	98	1711839	50.0	54.8	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	85	1879043	50.0	50.3	
28 Methyl acetate	43	3.002	3.002	0.000	100	2196765	100.0	95.2	M
30 Methylene Chloride	84	3.105	3.111	-0.006	90	663270	50.0	50.9	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	97	1090867	500.0	486.9	M
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	95	2305131	50.0	48.5	
33 trans-1,2-Dichloroethene	96	3.318	3.318	0.000	90	715504	50.0	51.4	
34 Acrylonitrile	53	3.379	3.379	0.000	97	5322670	500.0	483.5	
35 Hexane	57	3.513	3.513	0.000	96	1459186	50.0	54.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	1609443	50.0	48.9	
39 Vinyl acetate	43	3.793	3.793	0.000	96	5605632	100.0	108.4	
42 2,2-Dichloropropane	77	4.249	4.249	0.000	84	568592	50.0	50.8	
43 cis-1,2-Dichloroethene	96	4.285	4.286	-0.001	85	778597	50.0	48.9	
44 2-Butanone (MEK)	43	4.322	4.322	0.000	96	3164683	250.0	239.5	
47 Chlorobromomethane	128	4.523	4.523	0.000	86	397143	50.0	46.6	
49 Tetrahydrofuran	42	4.541	4.541	0.000	93	865743	100.0	96.5	
50 Chloroform	83	4.602	4.602	0.000	96	1362463	50.0	46.4	
51 1,1,1-Trichloroethane	97	4.711	4.705	0.006	96	1120334	50.0	55.8	
52 Cyclohexane	56	4.717	4.711	0.006	95	1813127	50.0	52.8	
53 Carbon tetrachloride	117	4.845	4.845	0.000	95	896079	50.0	57.9	
54 1,1-Dichloropropene	75	4.857	4.864	-0.007	85	1018905	50.0	55.1	
55 Benzene	78	5.064	5.064	0.000	94	2684774	50.0	49.3	
56 Isobutyl alcohol	43	5.095	5.101	-0.006	94	1188554	1250.0	1274.4	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	1371697	50.0	45.6	
59 n-Heptane	43	5.247	5.247	0.000	96	1615040	50.0	50.7	
60 Trichloroethene	95	5.673	5.673	-0.001	94	735710	50.0	50.1	
62 Methylcyclohexane	83	5.788	5.788	0.000	94	1272282	50.0	53.9	
63 1,2-Dichloropropane	63	5.910	5.910	0.000	85	778777	50.0	48.3	
64 Dibromomethane	93	6.050	6.050	0.000	97	441277	50.0	48.7	
66 1,4-Dioxane	88	6.056	6.056	0.000	42	117511	1000.0	980.3	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	936520	50.0	49.9	
69 2-Chloroethyl vinyl ether	63	6.488	6.488	0.000	87	445345	50.0	51.1	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	84	1035839	50.0	51.3	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	2131383	250.0	258.2	
73 Toluene	92	6.901	6.902	-0.001	97	1601774	50.0	50.1	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	92	919944	50.0	51.0	
77 Ethyl methacrylate	69	7.236	7.236	0.000	89	761174	50.0	55.7	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	461294	50.0	47.6	
79 Tetrachloroethene	166	7.437	7.437	0.000	93	701311	50.0	53.6	
80 1,3-Dichloropropane	76	7.540	7.534	0.006	89	907116	50.0	47.7	
82 2-Hexanone	43	7.607	7.607	0.000	97	3818165	250.0	251.9	
83 Chlorodibromomethane	129	7.771	7.771	0.000	90	627084	50.0	52.6	
84 Ethylene Dibromide	107	7.875	7.875	0.000	98	603636	50.0	50.0	
85 Chlorobenzene	112	8.349	8.349	0.000	91	1775267	50.0	50.0	
88 Ethylbenzene	91	8.447	8.441	0.006	98	3020410	50.0	53.5	a
89 1,1,1,2-Tetrachloroethane	131	8.453	8.447	0.006	92	689885	50.0	50.7	
90 m-Xylene & p-Xylene	106	8.568	8.562	0.006	98	1175287	50.0	53.4	a
91 o-Xylene	106	8.994	8.988	0.006	97	1211312	50.0	51.4	
92 Styrene	104	9.025	9.025	0.000	93	1802494	50.0	52.9	
93 Bromoform	173	9.268	9.268	0.000	95	359865	50.0	53.0	
95 Isopropylbenzene	105	9.377	9.378	-0.001	97	3188544	50.0	56.4	
97 Bromobenzene	156	9.724	9.724	0.000	93	682634	50.0	50.7	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	96	800907	50.0	50.6	
100 N-Propylbenzene	91	9.809	9.809	0.000	98	3541299	50.0	55.7	
99 1,2,3-Trichloropropane	110	9.822	9.816	0.006	92	258373	50.0	49.4	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	77	348357	50.0	52.7	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	712701	50.0	51.1	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	95	2608595	50.0	55.4	
105 4-Chlorotoluene	91	10.028	10.028	0.000	98	2164104	50.0	51.7	
106 tert-Butylbenzene	134	10.308	10.308	0.000	96	561727	50.0	58.2	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	2567350	50.0	54.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	3275074	50.0	58.2	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	96	1319197	50.0	48.8	
111 4-Isopropyltoluene	119	10.667	10.661	0.006	98	3001020	50.0	57.8	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	93	1362033	50.0	49.5	
115 n-Butylbenzene	91	11.050	11.051	-0.001	98	2444098	50.0	56.9	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	96	1356906	50.0	47.6	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	73	163244	50.0	53.5	
119 1,2,4-Trichlorobenzene	180	12.510	12.511	-0.001	95	916661	50.0	48.5	
120 Hexachlorobutadiene	225	12.626	12.620	0.006	97	449683	50.0	55.2	
121 Naphthalene	128	12.723	12.724	-0.001	97	2774222	50.0	51.6	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	95	863467	50.0	46.6	
S 123 1,3-Dichloropropene, Total	1				0			102.2	
S 126 Xylenes, Total	1				0			104.8	
S 125 Total BTEX	1				0			257.8	
S 124 1,2-Dichloroethene, Total	1				0			100.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 25.00

Units: uL

GAS CORP mix_00480

Amount Added: 25.00

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9190.D

Injection Date: 16-Nov-2021 20:29:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: IC 6

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

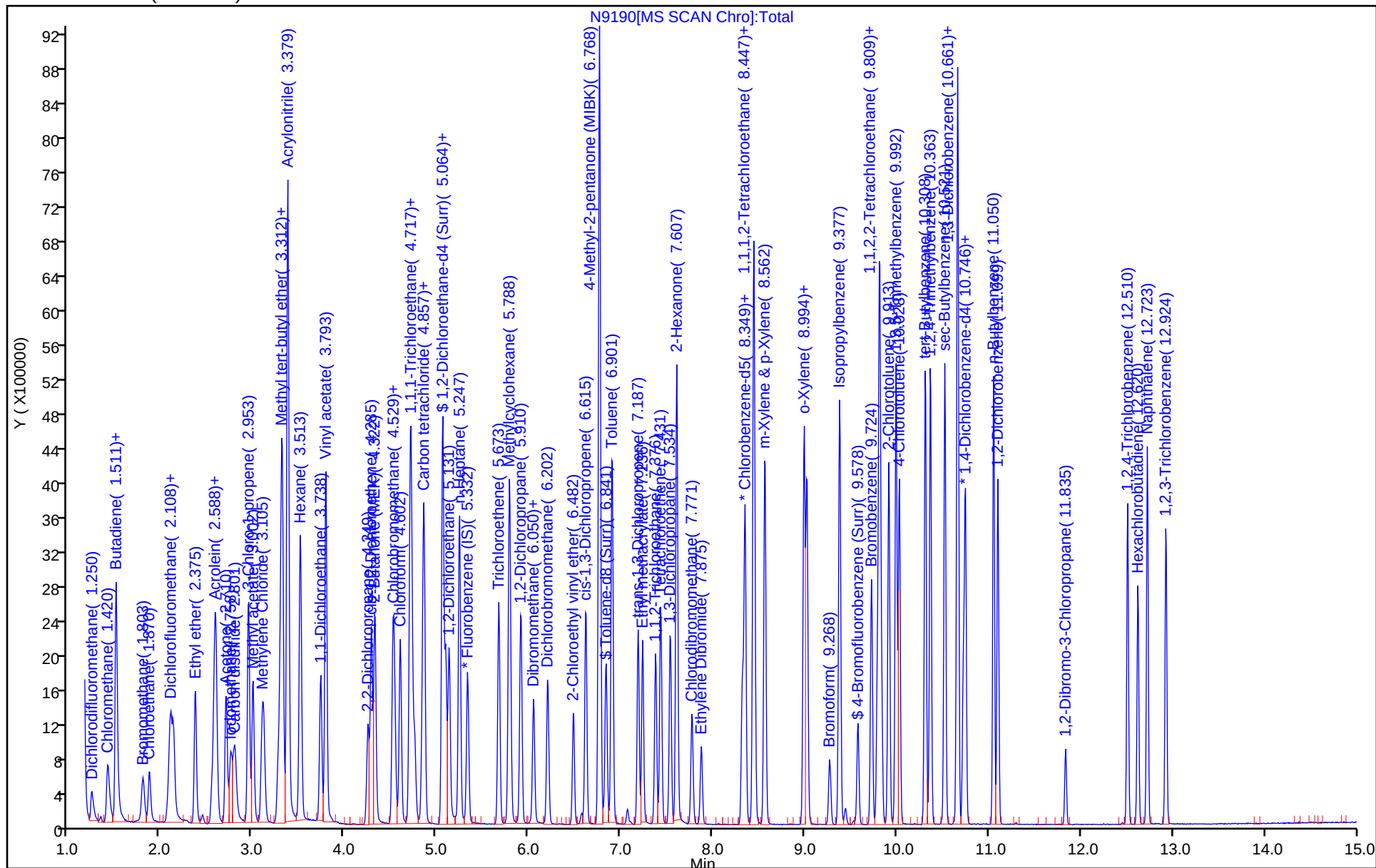
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

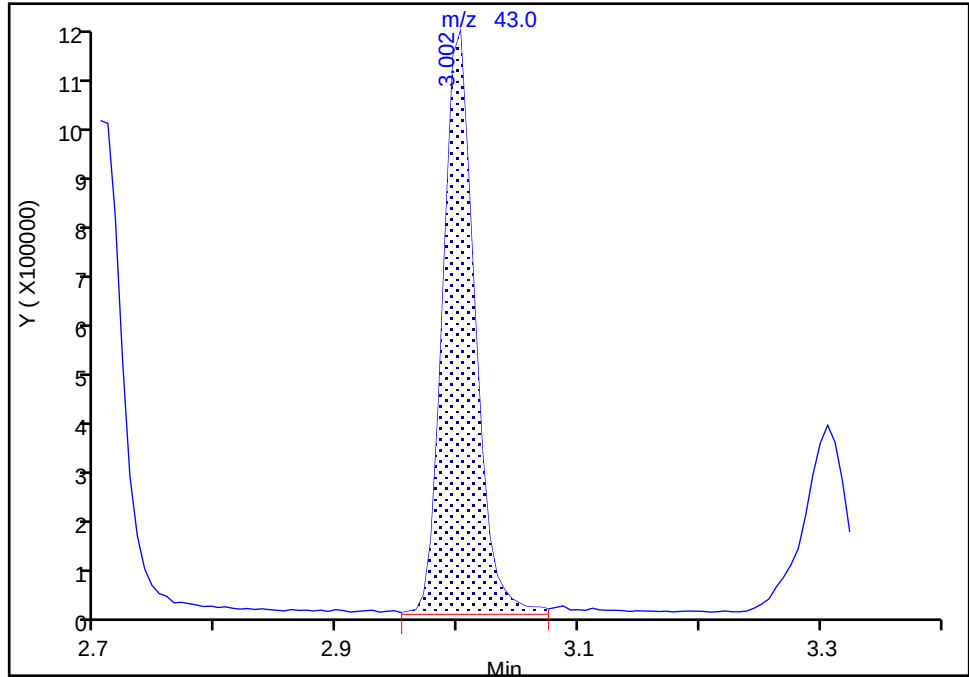
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Injection Date: 16-Nov-2021 20:29:30 Instrument ID: HP5973N
Lims ID: IC 6
Client ID:
Operator ID: wd ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

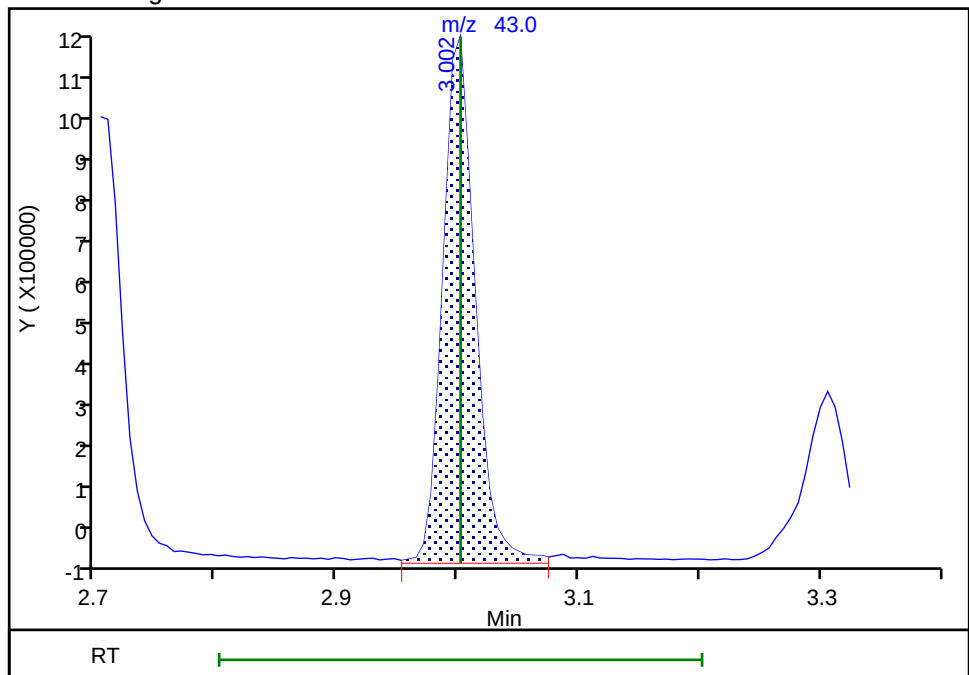
RT: 3.00
Area: 2174101
Amount: 94.614013
Amount Units: ug/L

Processing Integration Results



RT: 3.00
Area: 2196765
Amount: 95.224383
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:38:22
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

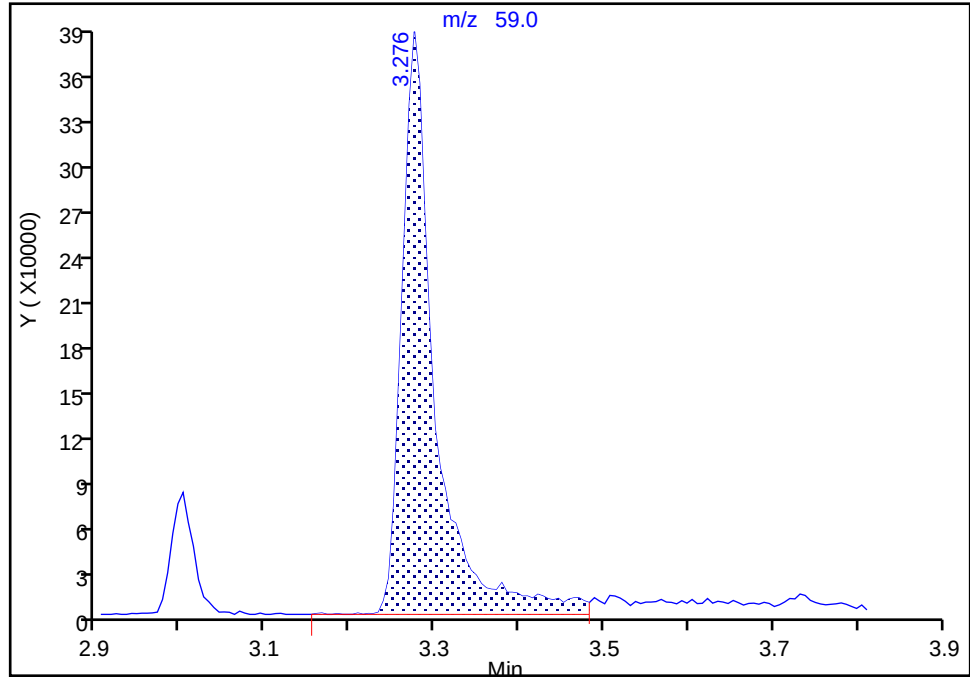
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Injection Date: 16-Nov-2021 20:29:30 Instrument ID: HP5973N
Lims ID: IC 6
Client ID:
Operator ID: wd ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

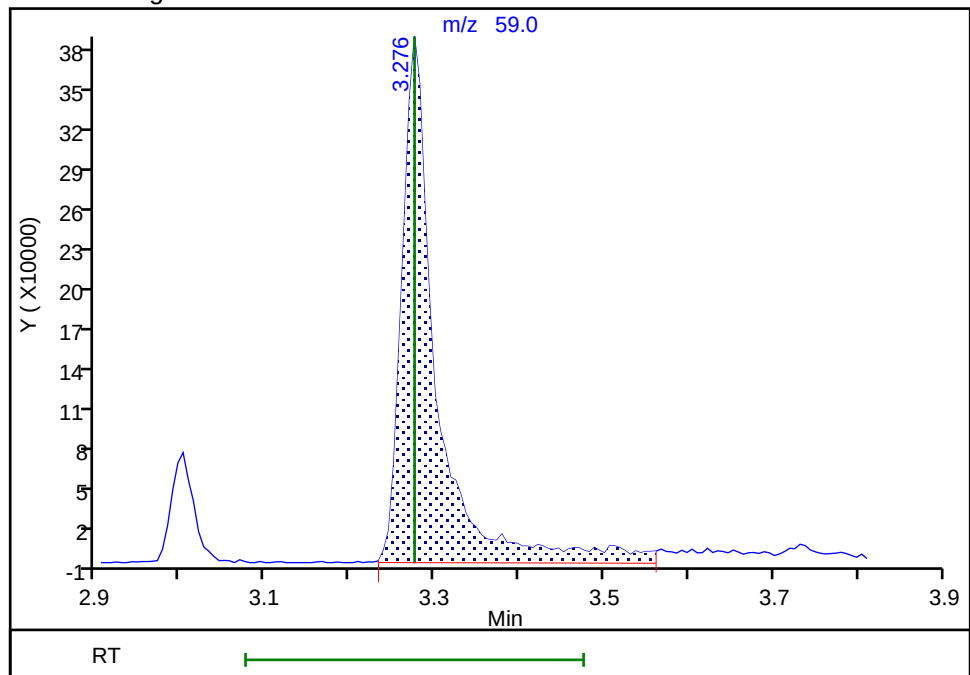
RT: 3.28
Area: 1045820
Amount: 472.1905
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 1090867
Amount: 486.8505
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:38:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

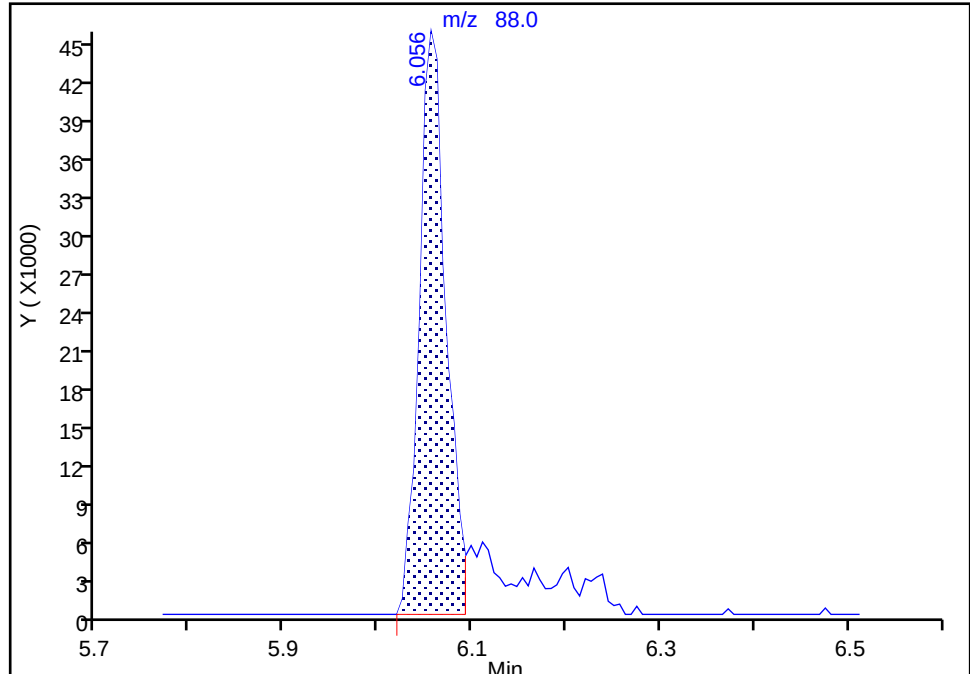
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Lims ID: IC 6
Client ID:
Operator ID: wd ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

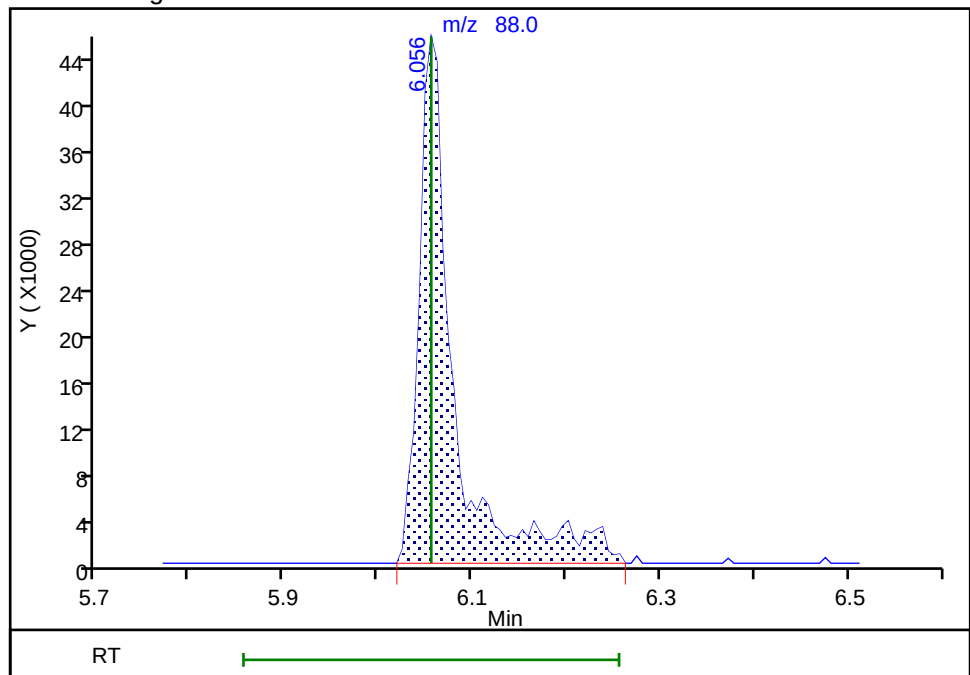
RT: 6.06
Area: 89957
Amount: 762.6230
Amount Units: ug/L

Processing Integration Results



RT: 6.06
Area: 117511
Amount: 980.3390
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:39:10

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

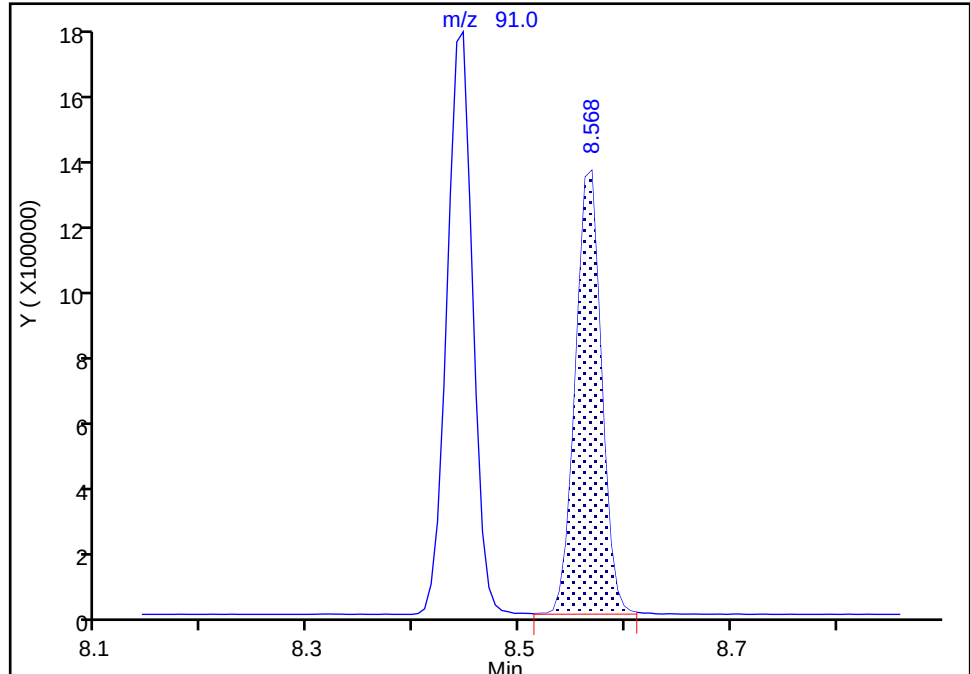
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Injection Date: 16-Nov-2021 20:29:30 Instrument ID: HP5973N
Lims ID: IC 6
Client ID:
Operator ID: wd ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

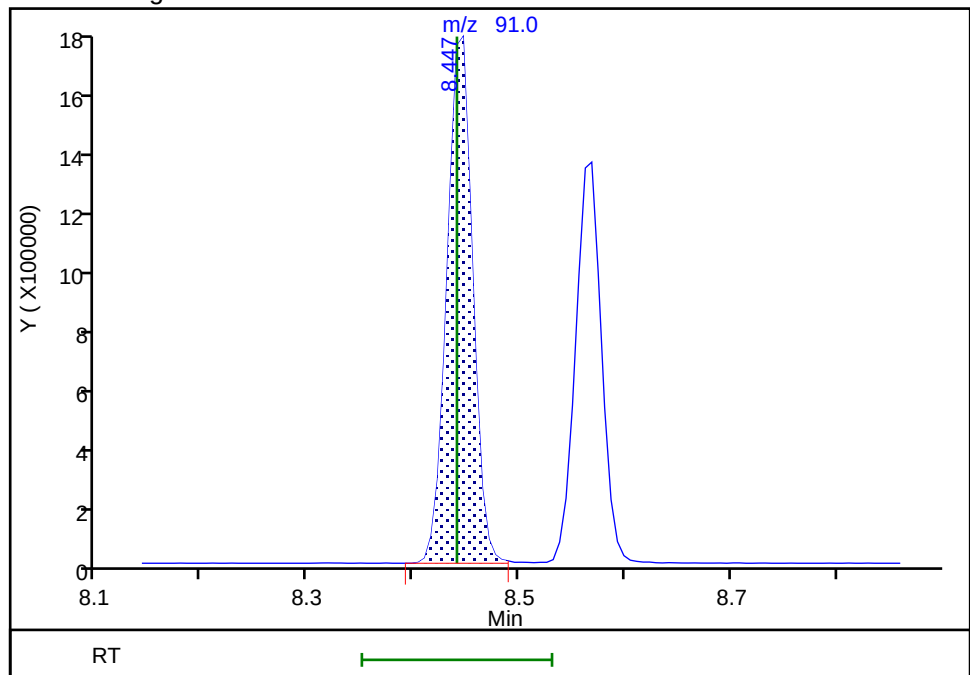
RT: 8.57
Area: 2323022
Amount: 43.939797
Amount Units: ug/L

Processing Integration Results



RT: 8.45
Area: 3020410
Amount: 53.524650
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:45:53
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected
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12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9190.D

Injection Date: 16-Nov-2021 20:29:30

Instrument ID: HP5973N

Lims ID: IC 6

Client ID:

Operator ID: wd

ALS Bottle#:

11

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

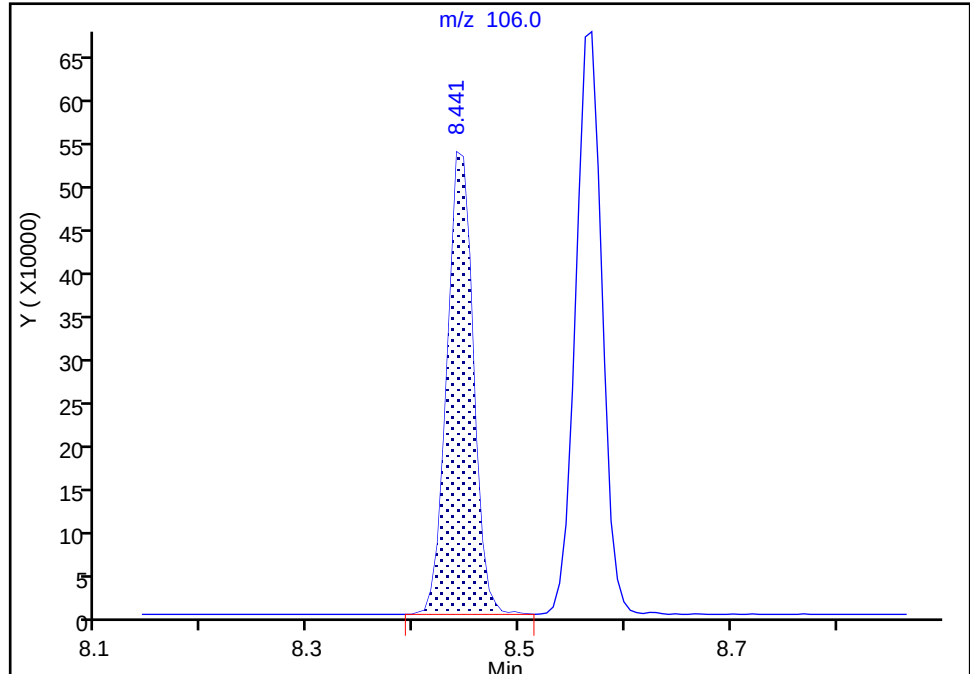
MS SCAN

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

Signal: 1

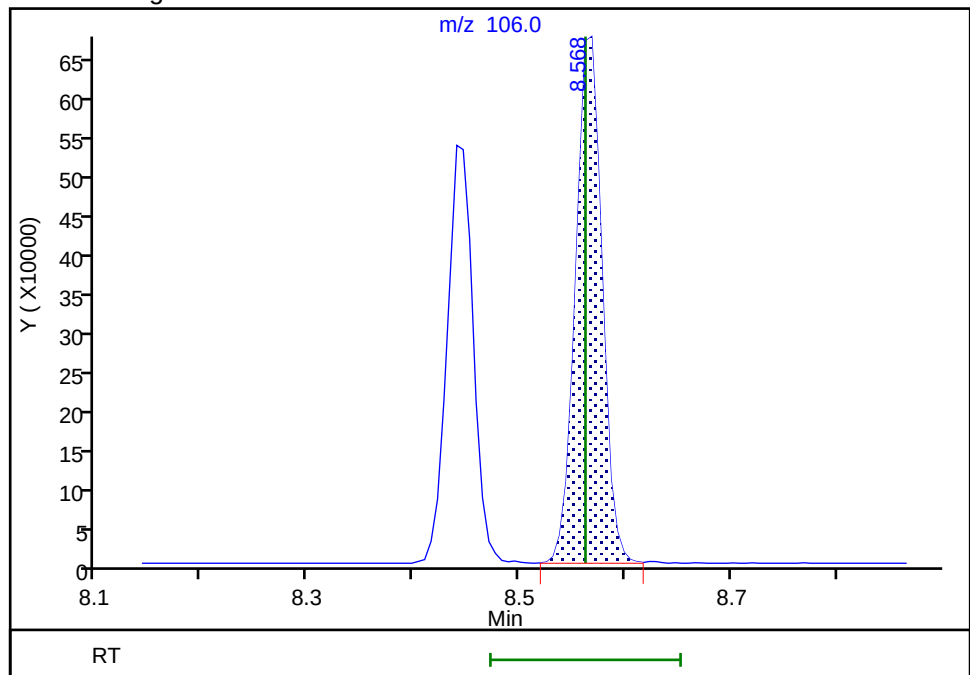
RT: 8.44
Area: 922668
Amount: 44.280044
Amount Units: ug/L

Processing Integration Results



RT: 8.57
Area: 1175287
Amount: 53.401964
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:45:57

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9191.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 16-Nov-2021 20:52:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0102482-012
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:02:09 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: dahnw

Date: 16-Nov-2021 21:42:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	272926	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	93	877188	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	93	449185	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	331542	25.0	23.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	65	461532	25.0	23.3	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	1132818	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	86	328475	25.0	25.9	
11 Dichlorodifluoromethane	85	1.244	1.250	-0.006	97	1253650	100.0	105.1	
13 Chloromethane	50	1.420	1.420	0.000	99	2419603	100.0	93.0	M
144 Butadiene	54	1.511	1.511	0.000	97	2376688	100.0	100.8	
14 Vinyl chloride	62	1.511	1.511	0.000	50	1791121	100.0	101.2	
15 Bromomethane	94	1.803	1.803	0.000	91	986657	100.0	90.5	
16 Chloroethane	64	1.870	1.870	0.000	95	1119920	100.0	94.5	
17 Dichlorofluoromethane	67	2.101	2.102	-0.001	96	2524639	100.0	94.2	
18 Trichlorofluoromethane	101	2.114	2.114	0.000	58	2128027	100.0	102.6	
19 Ethyl ether	59	2.369	2.375	-0.006	96	1843311	100.0	91.0	
20 Acrolein	56	2.552	2.552	0.000	98	479963	500.0	431.5	
21 112TCTFE	101	2.582	2.582	0.000	96	1238028	100.0	98.5	
22 1,1-Dichloroethene	96	2.594	2.594	0.000	90	1227476	100.0	97.4	
23 Acetone	43	2.704	2.704	0.000	97	4352465	500.0	435.4	
24 Iodomethane	142	2.758	2.759	-0.001	99	2031068	100.0	90.1	
25 Carbon disulfide	76	2.801	2.801	0.000	98	3597807	100.0	105.4	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	86	3984775	100.0	97.5	
28 Methyl acetate	43	2.996	3.002	-0.006	99	4767243	200.0	189.0	M
30 Methylene Chloride	84	3.111	3.111	0.000	90	1379128	100.0	97.4	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	97	2304761	1000.0	940.9	M
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	96	4851504	100.0	93.5	
33 trans-1,2-Dichloroethene	96	3.318	3.318	0.000	90	1514194	100.0	99.5	
34 Acrylonitrile	53	3.379	3.379	0.000	98	11497381	1000.0	955.3	
35 Hexane	57	3.513	3.513	0.000	95	2929578	100.0	99.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	3331386	100.0	92.6	
39 Vinyl acetate	43	3.793	3.793	0.000	96	12754690	200.0	225.6	
42 2,2-Dichloropropane	77	4.249	4.249	0.000	85	1128481	100.0	92.2	
43 cis-1,2-Dichloroethene	96	4.285	4.286	-0.001	86	1607194	100.0	92.4	
44 2-Butanone (MEK)	43	4.322	4.322	0.000	96	7090620	500.0	490.8	
47 Chlorobromomethane	128	4.523	4.523	0.000	86	838246	100.0	90.0	
49 Tetrahydrofuran	42	4.541	4.541	0.000	92	1844591	200.0	188.1	
50 Chloroform	83	4.602	4.602	0.000	96	2852882	100.0	89.0	
51 1,1,1-Trichloroethane	97	4.711	4.705	0.006	96	2322688	100.0	105.9	
52 Cyclohexane	56	4.717	4.711	0.006	93	3800368	100.0	100.5	
53 Carbon tetrachloride	117	4.845	4.845	0.000	94	1923795	100.0	113.6	
54 1,1-Dichloropropene	75	4.857	4.864	-0.007	86	2118229	100.0	104.8	
55 Benzene	78	5.064	5.064	0.000	94	5850806	100.0	98.4	
56 Isobutyl alcohol	43	5.095	5.101	-0.006	93	2808516	2500.0	2754.6	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	2941265	100.0	89.5	
59 n-Heptane	43	5.247	5.247	0.000	96	3574924	100.0	102.2	
60 Trichloroethene	95	5.673	5.673	0.000	94	1547698	100.0	96.5	
62 Methylcyclohexane	83	5.788	5.788	0.000	95	2592484	100.0	99.8	
63 1,2-Dichloropropane	63	5.910	5.910	0.000	87	1715468	100.0	97.4	
64 Dibromomethane	93	6.050	6.050	0.000	97	936138	100.0	94.5	
66 1,4-Dioxane	88	6.056	6.056	0.000	88	234282	2000.0	1774.0	M
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	2025024	100.0	98.7	
69 2-Chloroethyl vinyl ether	63	6.482	6.488	-0.006	86	1022112	100.0	107.3	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	84	2328686	100.0	105.5	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	99	4723616	500.0	519.4	
73 Toluene	92	6.907	6.902	0.005	97	3511521	100.0	99.7	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	94	2156620	100.0	108.4	
77 Ethyl methacrylate	69	7.236	7.236	0.000	88	1728334	100.0	114.7	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	1009577	100.0	94.5	
79 Tetrachloroethene	166	7.437	7.437	0.000	94	1511748	100.0	104.9	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	90	2047553	100.0	97.7	
82 2-Hexanone	43	7.607	7.607	0.000	98	8874757	500.0	531.4	
83 Chlorodibromomethane	129	7.771	7.771	0.000	89	1433217	100.0	109.1	
84 Ethylene Dibromide	107	7.875	7.875	0.000	97	1336595	100.0	100.6	
85 Chlorobenzene	112	8.349	8.349	0.000	91	3929833	100.0	100.5	
88 Ethylbenzene	91	8.447	8.441	0.006	98	6741574	100.0	108.4	a
89 1,1,1,2-Tetrachloroethane	131	8.453	8.447	0.006	92	1522372	100.0	101.5	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	2542042	100.0	104.8	a
91 o-Xylene	106	8.994	8.988	0.006	98	2620874	100.0	100.9	
92 Styrene	104	9.025	9.025	0.000	94	4168838	100.0	110.9	
93 Bromoform	173	9.274	9.268	0.006	96	867376	100.0	115.9	
95 Isopropylbenzene	105	9.377	9.378	-0.001	97	7118308	100.0	111.6	
97 Bromobenzene	156	9.724	9.724	0.000	94	1555917	100.0	102.3	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	96	1769054	100.0	99.0	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	8000924	100.0	111.5	
99 1,2,3-Trichloropropane	110	9.822	9.816	0.006	90	570134	100.0	96.6	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	85	800896	100.0	107.4	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	1564320	100.0	99.3	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	94	5883710	100.0	110.7	
105 4-Chlorotoluene	91	10.028	10.028	0.000	98	4926087	100.0	104.2	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	1257188	100.0	115.3	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	5905161	100.0	111.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	7411664	100.0	116.8	
110 1,3-Dichlorobenzene	146	10.661	10.655	0.006	96	3025069	100.0	99.1	
111 4-Isopropyltoluene	119	10.667	10.661	0.006	98	6812041	100.0	116.4	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	93	3078529	100.0	99.2	
115 n-Butylbenzene	91	11.050	11.051	-0.001	98	5392501	100.0	111.3	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	96	3082880	100.0	95.9	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	77	353551	100.0	102.7	
119 1,2,4-Trichlorobenzene	180	12.510	12.511	-0.001	94	1932472	100.0	90.6	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	96	933795	100.0	101.6	
121 Naphthalene	128	12.723	12.724	-0.001	97	6099839	100.0	100.6	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	95	1862045	100.0	89.1	
S 123 1,3-Dichloropropene, Total	1				0			213.9	
S 126 Xylenes, Total	1				0			205.7	
S 125 Total BTEX	1				0			512.3	
S 124 1,2-Dichloroethene, Total	1				0			191.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 50.00

Units: uL

GAS CORP mix_00480

Amount Added: 50.00

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9191.D

Injection Date: 16-Nov-2021 20:52:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: IC 7

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

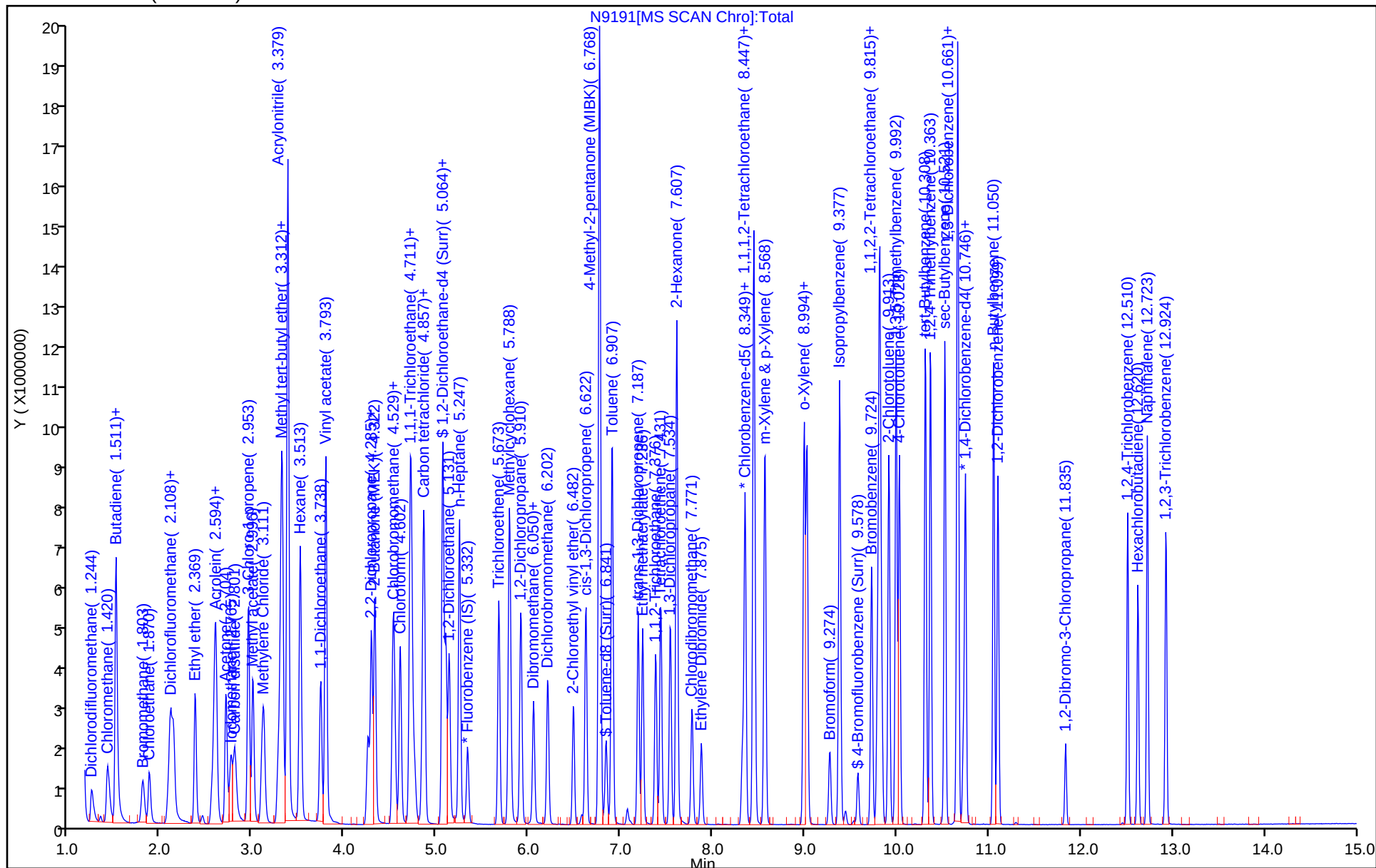
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

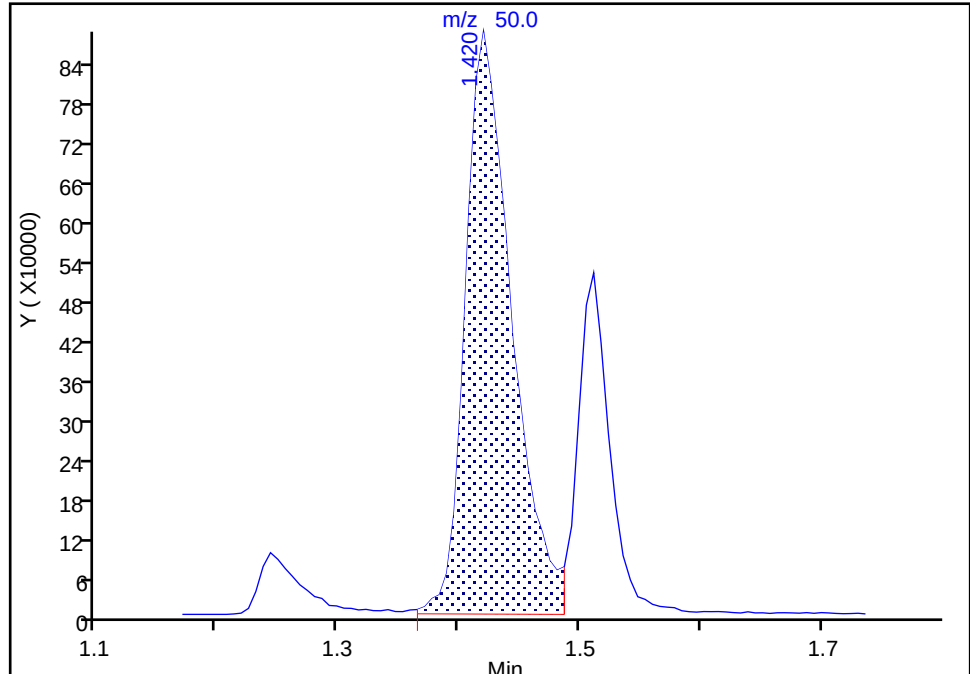
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9191.D
Injection Date: 16-Nov-2021 20:52:30 Instrument ID: HP5973N
Lims ID: IC 7
Client ID:
Operator ID: wd ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

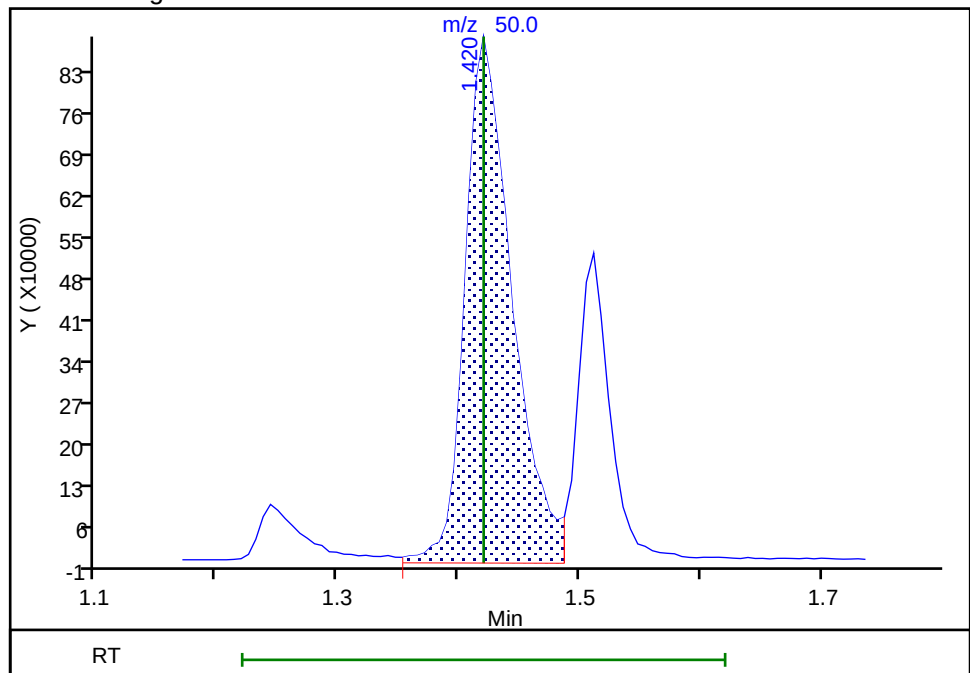
RT: 1.42
Area: 2366177
Amount: 91.185875
Amount Units: ug/L

Processing Integration Results



RT: 1.42
Area: 2419603
Amount: 93.005405
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:42:00
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 206 of 702

12/08/2021

Eurofins TestAmerica, Buffalo

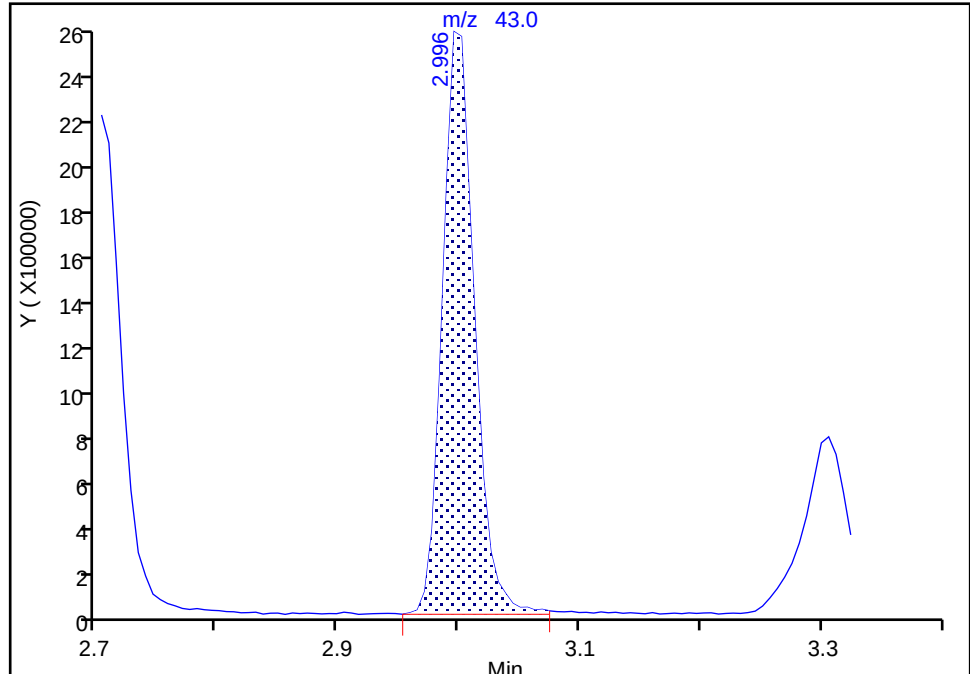
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9191.D
Injection Date: 16-Nov-2021 20:52:30 Instrument ID: HP5973N
Lims ID: IC 7
Client ID:
Operator ID: wd ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

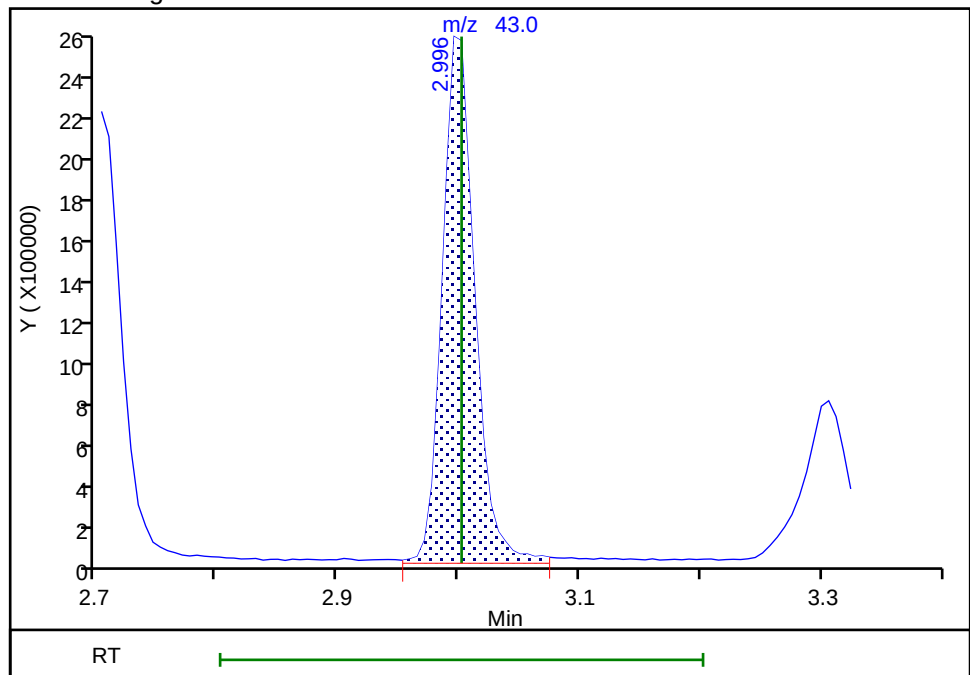
RT: 3.00
Area: 4658117
Amount: 185.2001
Amount Units: ug/L

Processing Integration Results



RT: 3.00
Area: 4767243
Amount: 189.0262
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:41:33
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 207 of 702

12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9191.D

Injection Date: 16-Nov-2021 20:52:30

Instrument ID: HP5973N

Lims ID: IC 7

Client ID:

Operator ID: wd

ALS Bottle#:

12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

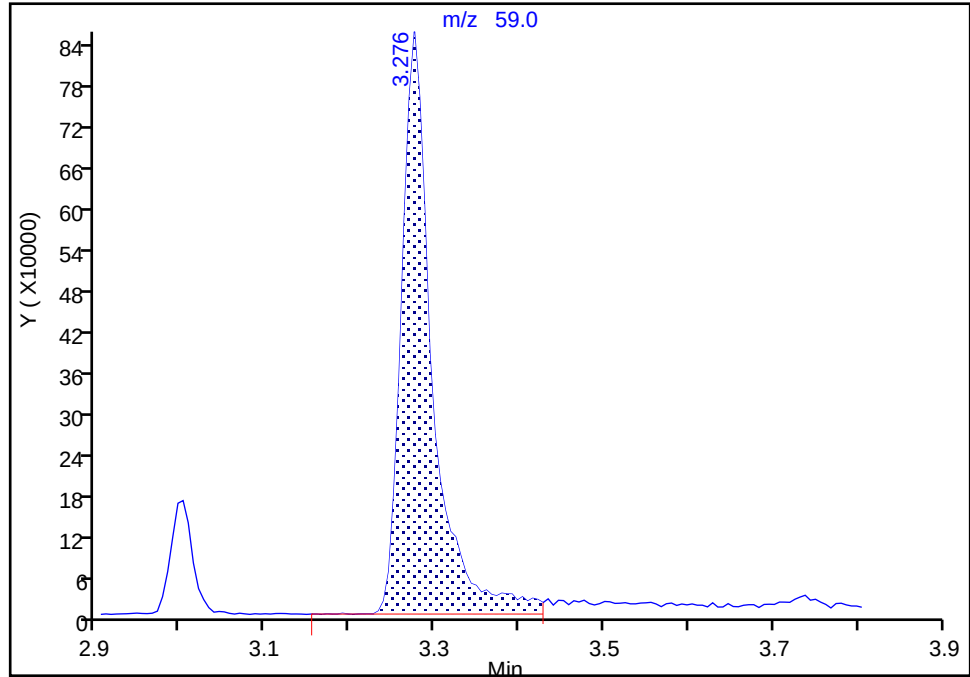
Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

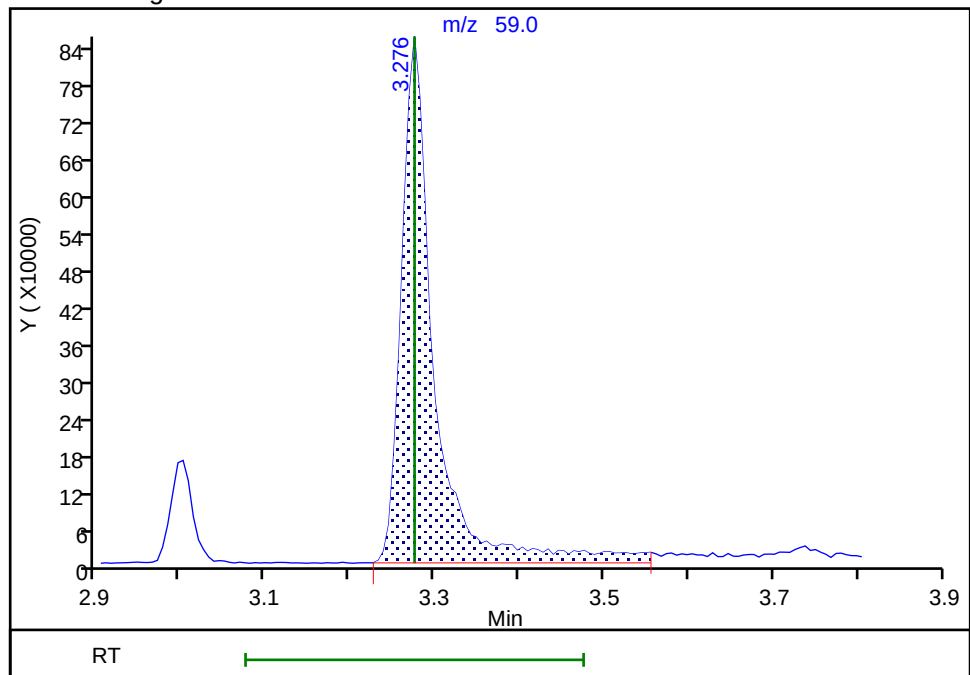
RT: 3.28
Area: 2177311
Amount: 894.6810
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 2304761
Amount: 940.8922
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:41:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9191.D

Injection Date: 16-Nov-2021 20:52:30

Instrument ID: HP5973N

Lims ID: IC 7

Client ID:

Operator ID: wd

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

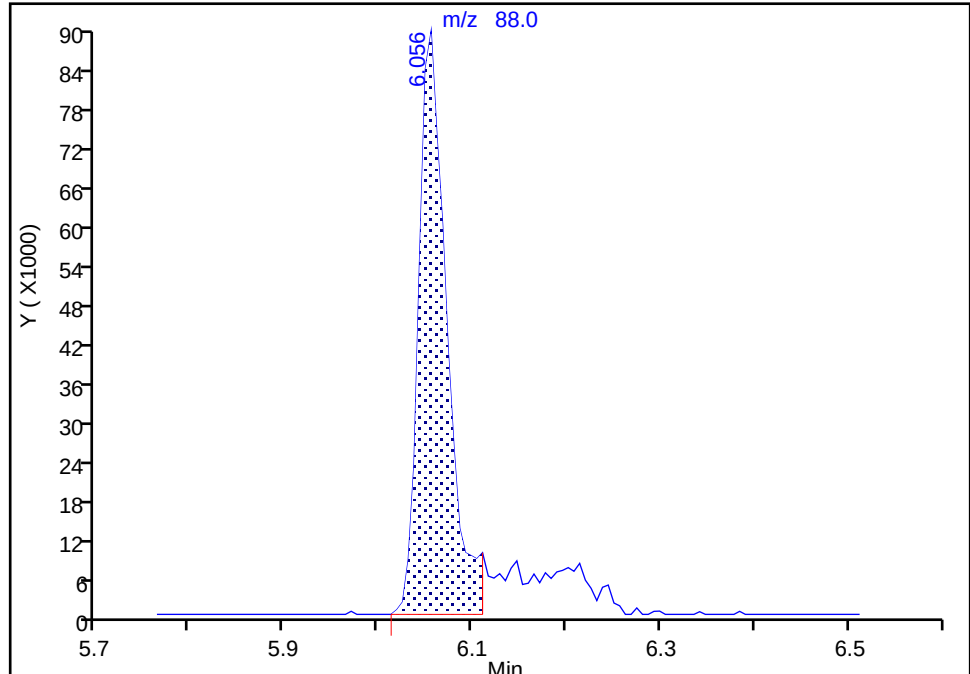
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

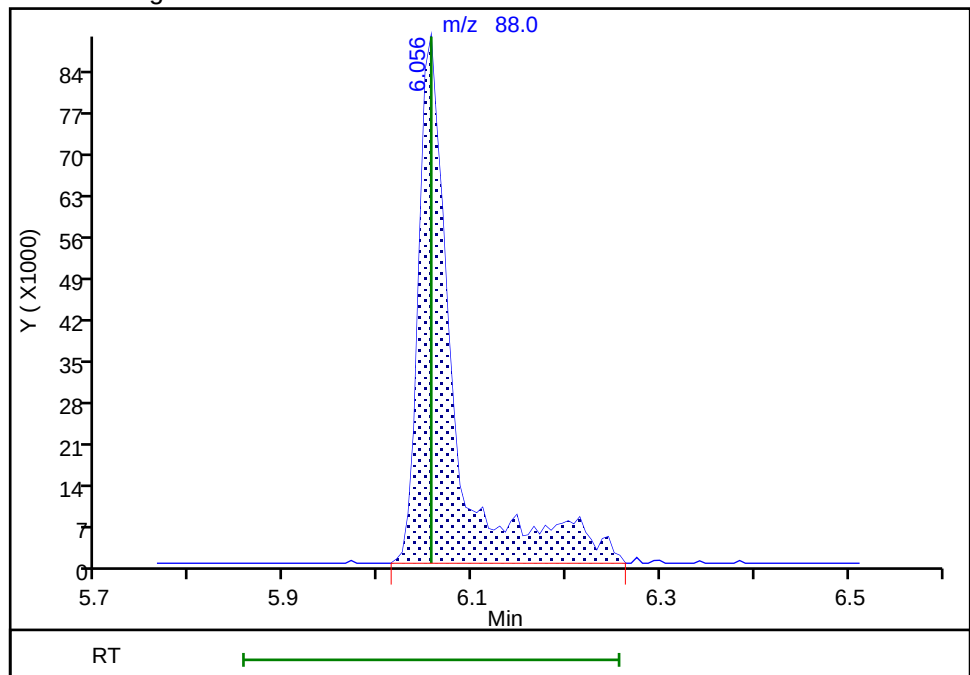
RT: 6.06
Area: 187254
Amount: 1399.9979
Amount Units: ug/L

Processing Integration Results



RT: 6.06
Area: 234282
Amount: 1774.0156
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 16-Nov-2021 21:40:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9191.D

Injection Date: 16-Nov-2021 20:52:30

Instrument ID: HP5973N

Lims ID: IC 7

Client ID:

Operator ID: wd

ALS Bottle#:

12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

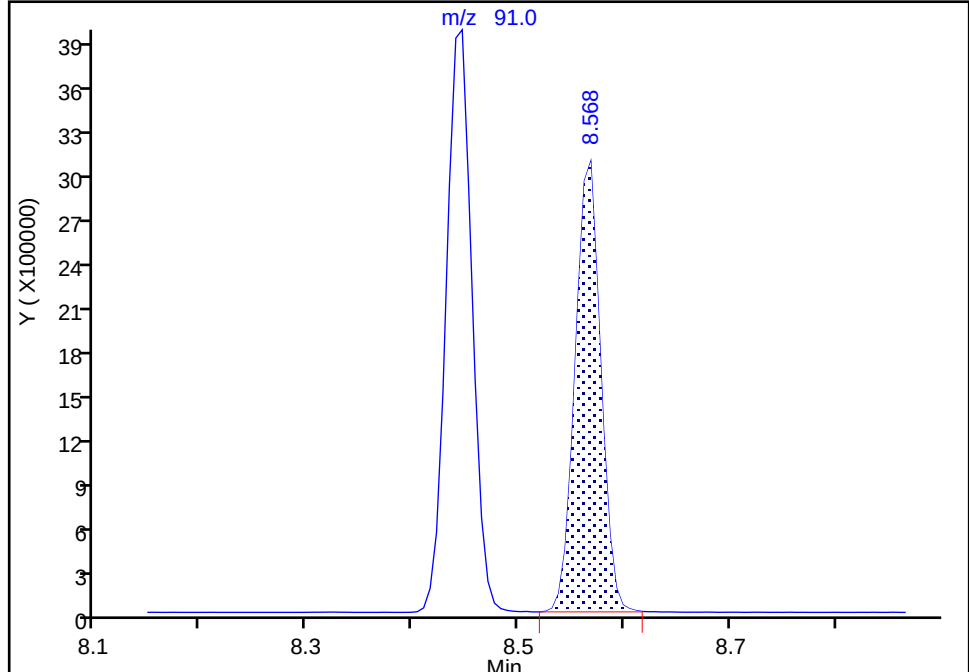
Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

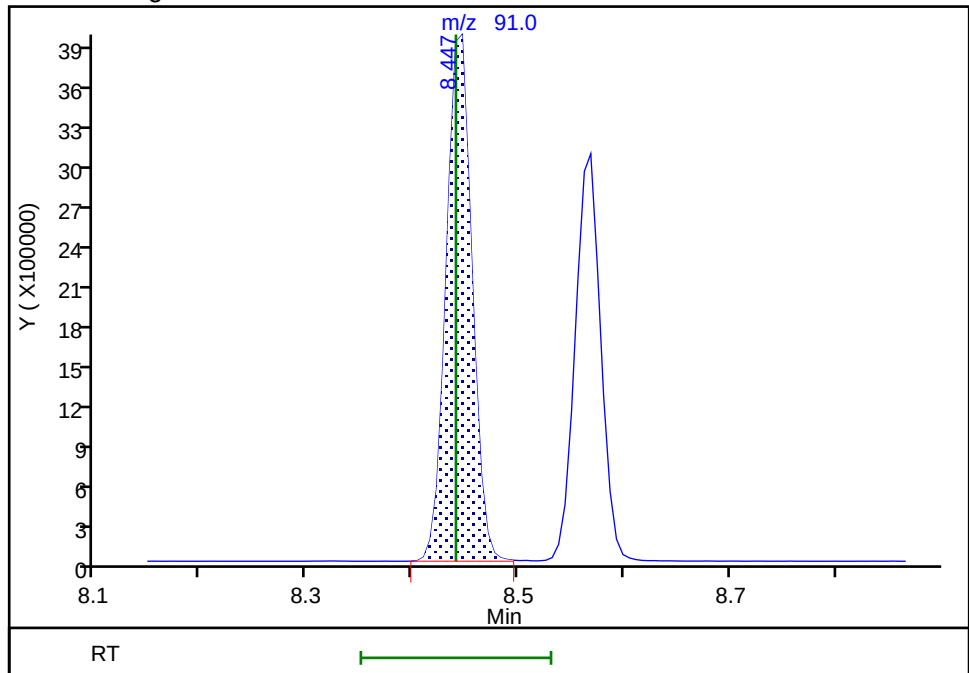
RT: 8.57
Area: 5138762
Amount: 85.406925
Amount Units: ug/L

Processing Integration Results



RT: 8.45
Area: 6741574
Amount: 108.4351
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:46:08

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

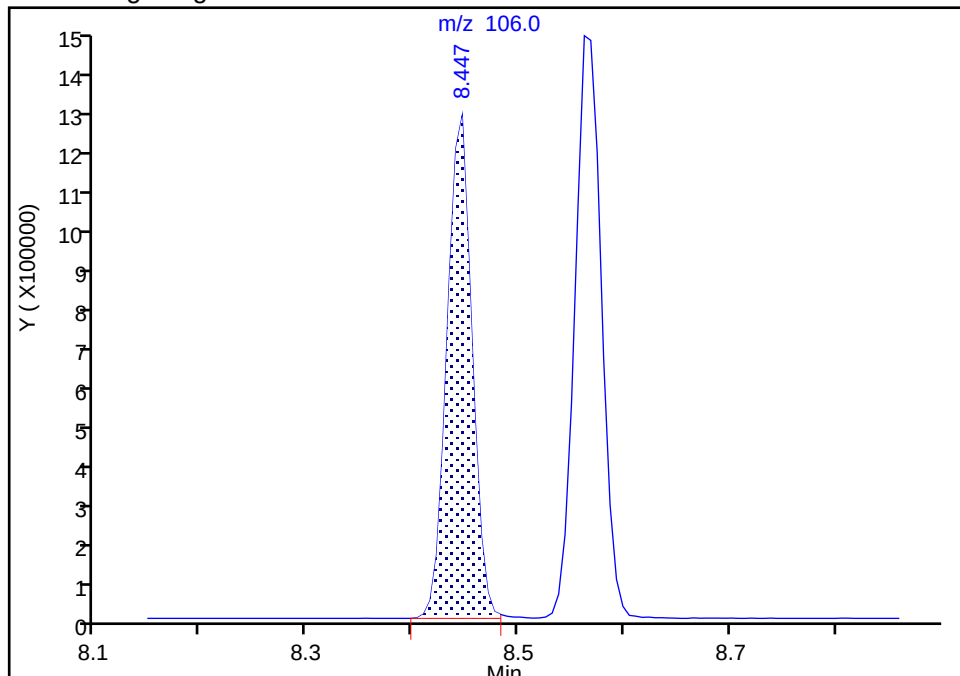
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9191.D
Injection Date: 16-Nov-2021 20:52:30 Instrument ID: HP5973N
Lims ID: IC 7
Client ID:
Operator ID: wd ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

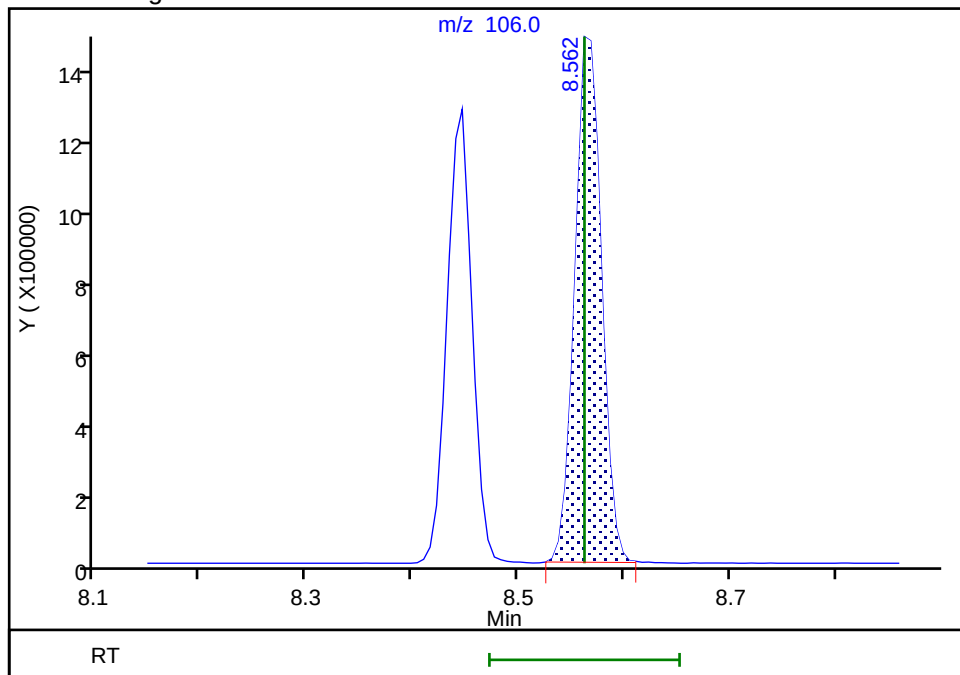
RT: 8.45
Area: 2066393
Amount: 87.363267
Amount Units: ug/L

Processing Integration Results



RT: 8.56
Area: 2542042
Amount: 104.8375
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:46:12

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Calibration

/ Dichlorodifluoromethane

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

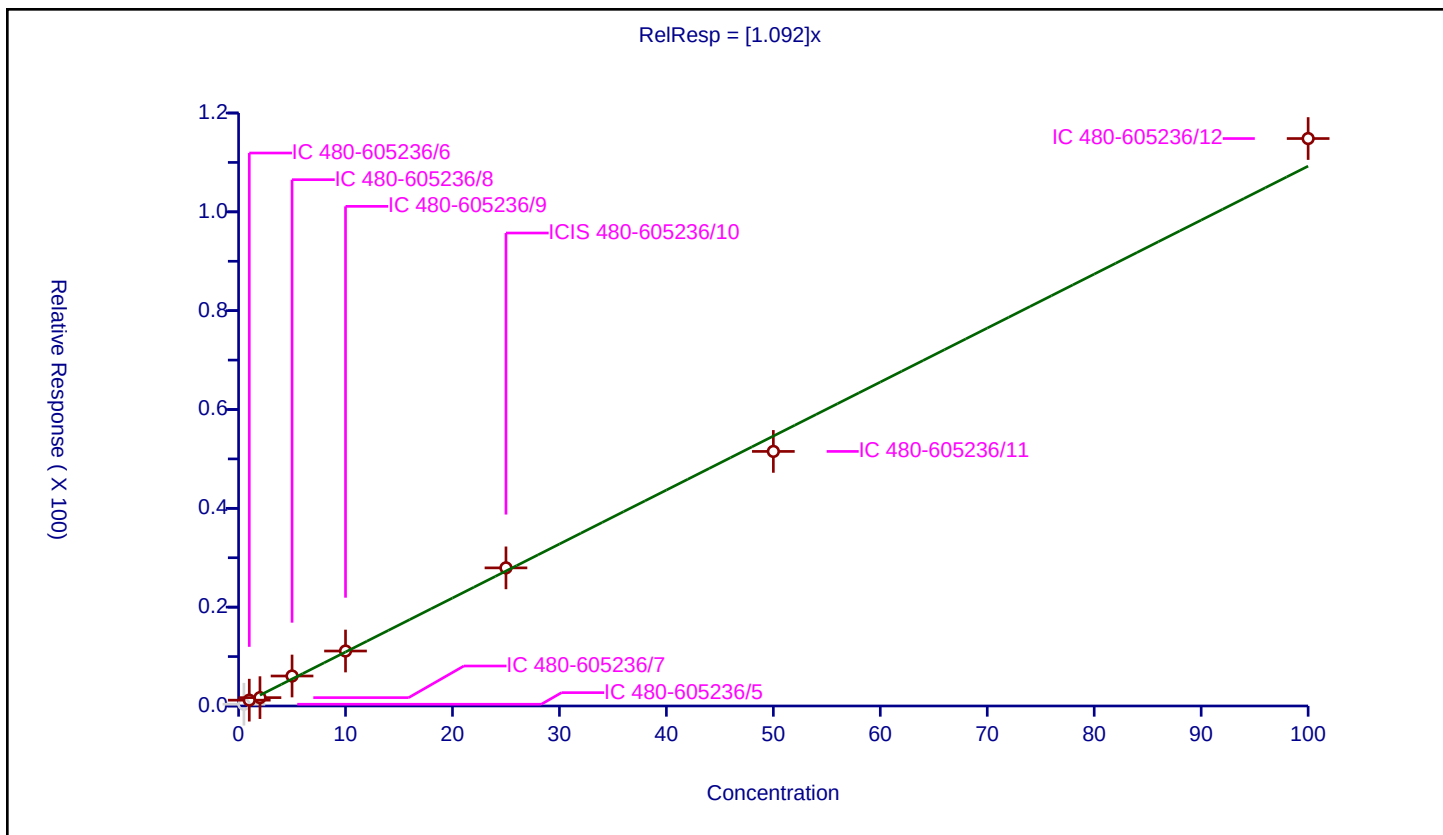
Curve Coefficients

Intercept: 0
 Slope: 1.092

Error Coefficients

Standard Error: 567000
 Relative Standard Error: 11.3
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.353219	25.0	227904.0	0.706438	N
2	IC 480-605236/6	1.0	1.179362	25.0	231905.0	1.179362	Y
3	IC 480-605236/7	2.0	1.69086	25.0	228227.0	0.84543	Y
4	IC 480-605236/8	5.0	6.066855	25.0	231203.0	1.213371	Y
5	IC 480-605236/9	10.0	11.125956	25.0	245134.0	1.112596	Y
6	ICIS 480-605236/10	25.0	27.95159	25.0	247409.0	1.118064	Y
7	IC 480-605236/11	50.0	51.51591	25.0	249652.0	1.030318	Y
8	IC 480-605236/12	100.0	114.834241	25.0	272926.0	1.148342	Y



Calibration

/ Chloromethane

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

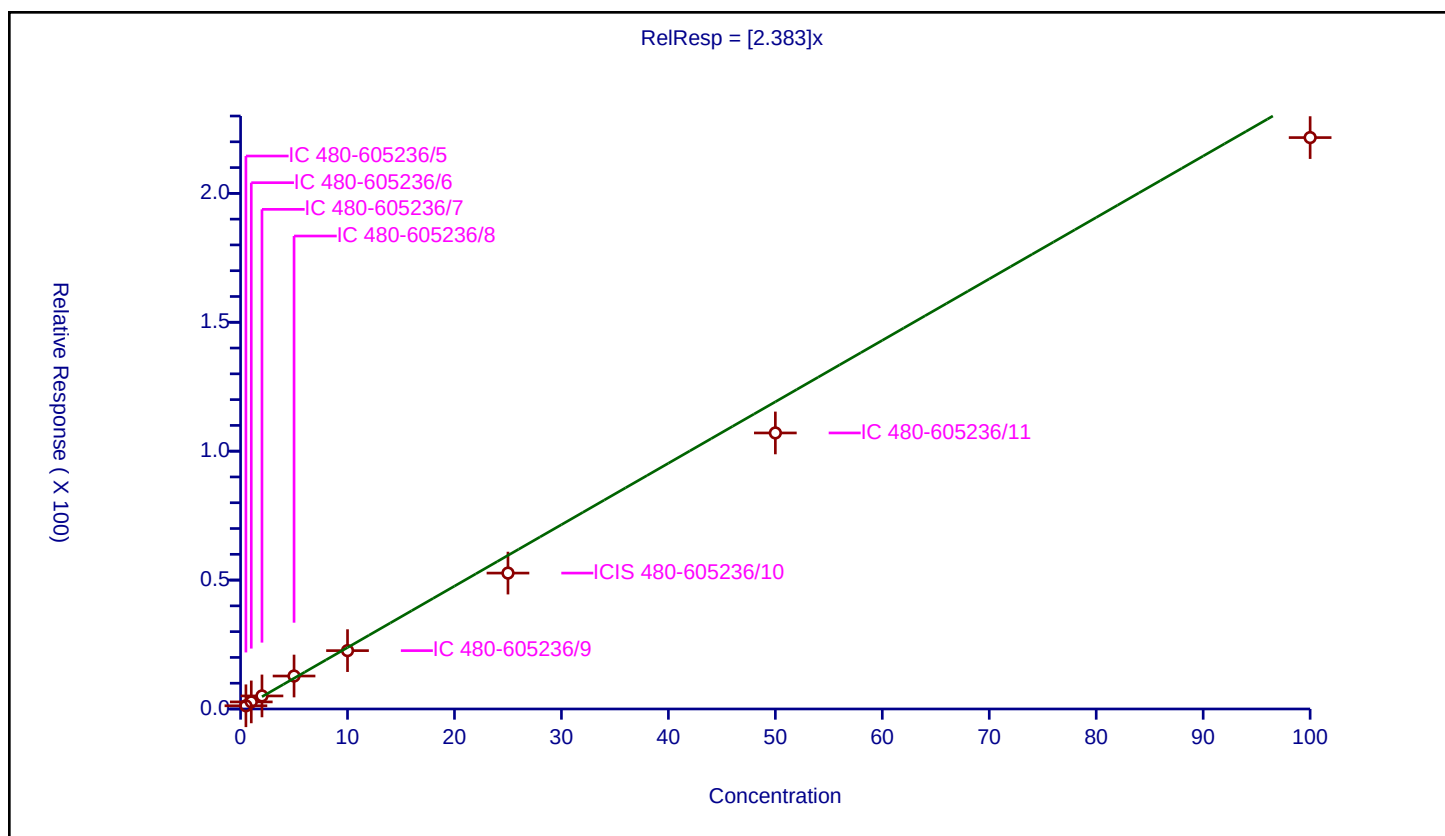
Curve Coefficients

Intercept: 0
 Slope: 2.383

Error Coefficients

Standard Error: 1020000
 Relative Standard Error: 9.7
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.24932	25.0	227904.0	2.49864	Y
2	IC 480-605236/6	1.0	2.74358	25.0	231905.0	2.74358	Y
3	IC 480-605236/7	2.0	5.067652	25.0	228227.0	2.533826	Y
4	IC 480-605236/8	5.0	12.791465	25.0	231203.0	2.558293	Y
5	IC 480-605236/9	10.0	22.633947	25.0	245134.0	2.263395	Y
6	ICIS 480-605236/10	25.0	52.719687	25.0	247409.0	2.108787	Y
7	IC 480-605236/11	50.0	107.071544	25.0	249652.0	2.141431	Y
8	IC 480-605236/12	100.0	221.635443	25.0	272926.0	2.216354	Y



Calibration

/ Butadiene

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

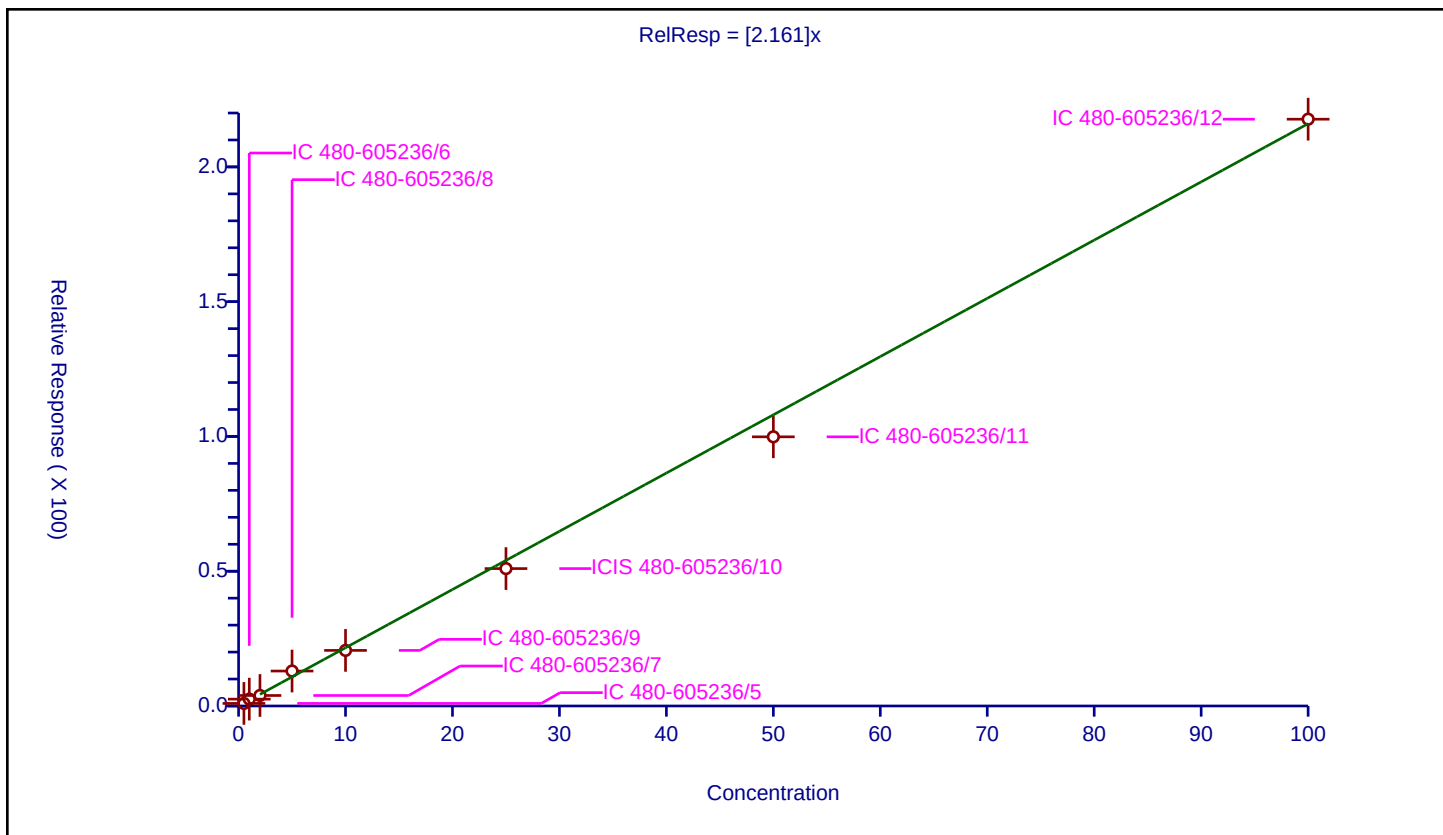
Curve Coefficients

Intercept: 0
 Slope: 2.161

Error Coefficients

Standard Error: 997000
 Relative Standard Error: 12.3
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.959395	25.0	227904.0	1.91879	Y
2	IC 480-605236/6	1.0	2.546948	25.0	231905.0	2.546948	Y
3	IC 480-605236/7	2.0	3.896559	25.0	228227.0	1.94828	Y
4	IC 480-605236/8	5.0	12.970096	25.0	231203.0	2.594019	Y
5	IC 480-605236/9	10.0	20.626984	25.0	245134.0	2.062698	Y
6	ICIS 480-605236/10	25.0	50.981472	25.0	247409.0	2.039259	Y
7	IC 480-605236/11	50.0	99.866013	25.0	249652.0	1.99732	Y
8	IC 480-605236/12	100.0	217.704433	25.0	272926.0	2.177044	Y



Calibration

/ Vinyl chloride

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

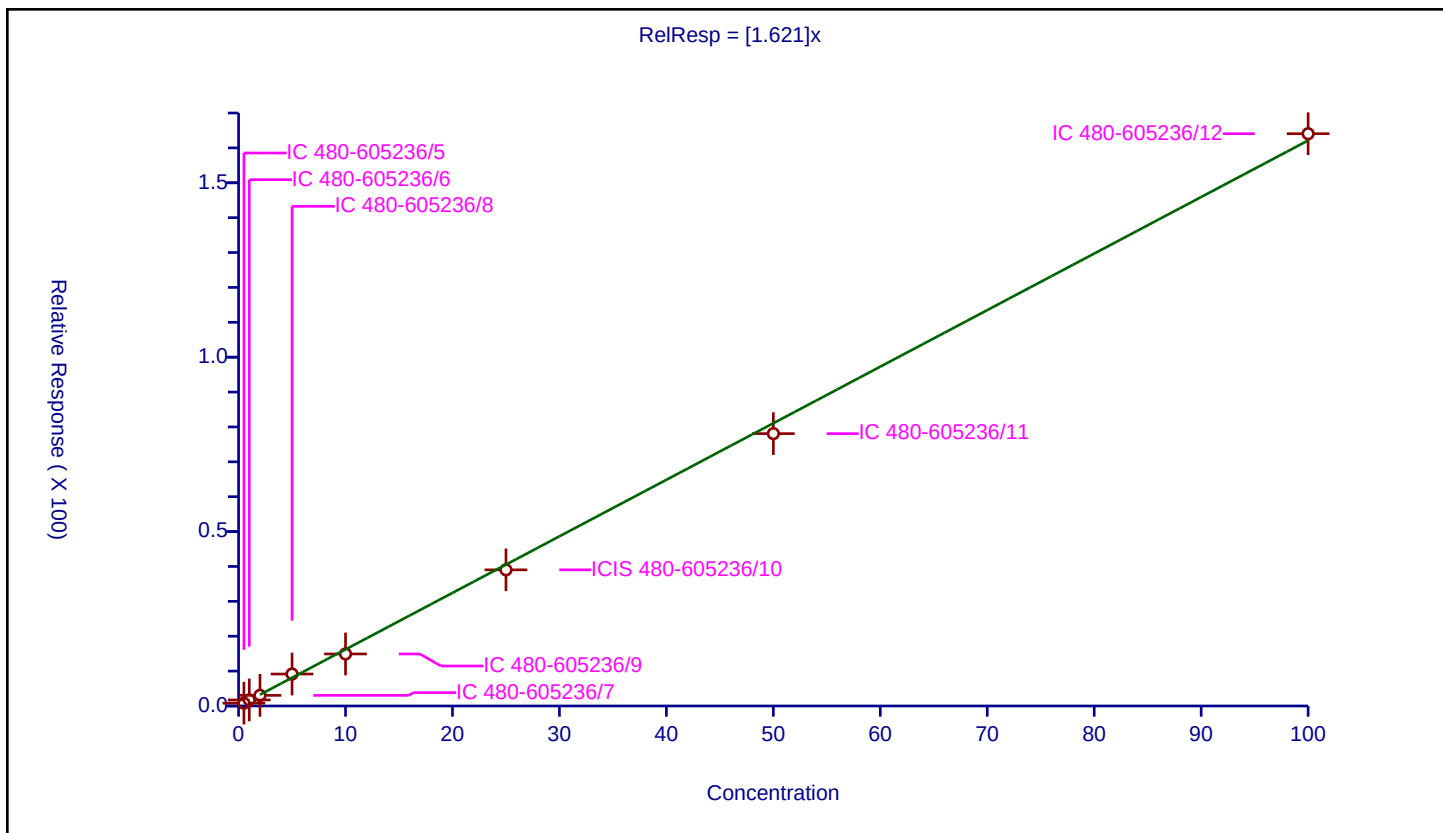
Curve Coefficients

Intercept: 0
 Slope: 1.621

Error Coefficients

Standard Error: 755000
 Relative Standard Error: 7.0
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.813062	25.0	227904.0	1.626123	Y
2	IC 480-605236/6	1.0	1.733468	25.0	231905.0	1.733468	Y
3	IC 480-605236/7	2.0	3.044337	25.0	228227.0	1.522169	Y
4	IC 480-605236/8	5.0	9.1637	25.0	231203.0	1.83274	Y
5	IC 480-605236/9	10.0	14.922349	25.0	245134.0	1.492235	Y
6	ICIS 480-605236/10	25.0	39.033746	25.0	247409.0	1.56135	Y
7	IC 480-605236/11	50.0	78.081489	25.0	249652.0	1.56163	Y
8	IC 480-605236/12	100.0	164.066542	25.0	272926.0	1.640665	Y



Calibration

/ Bromomethane

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

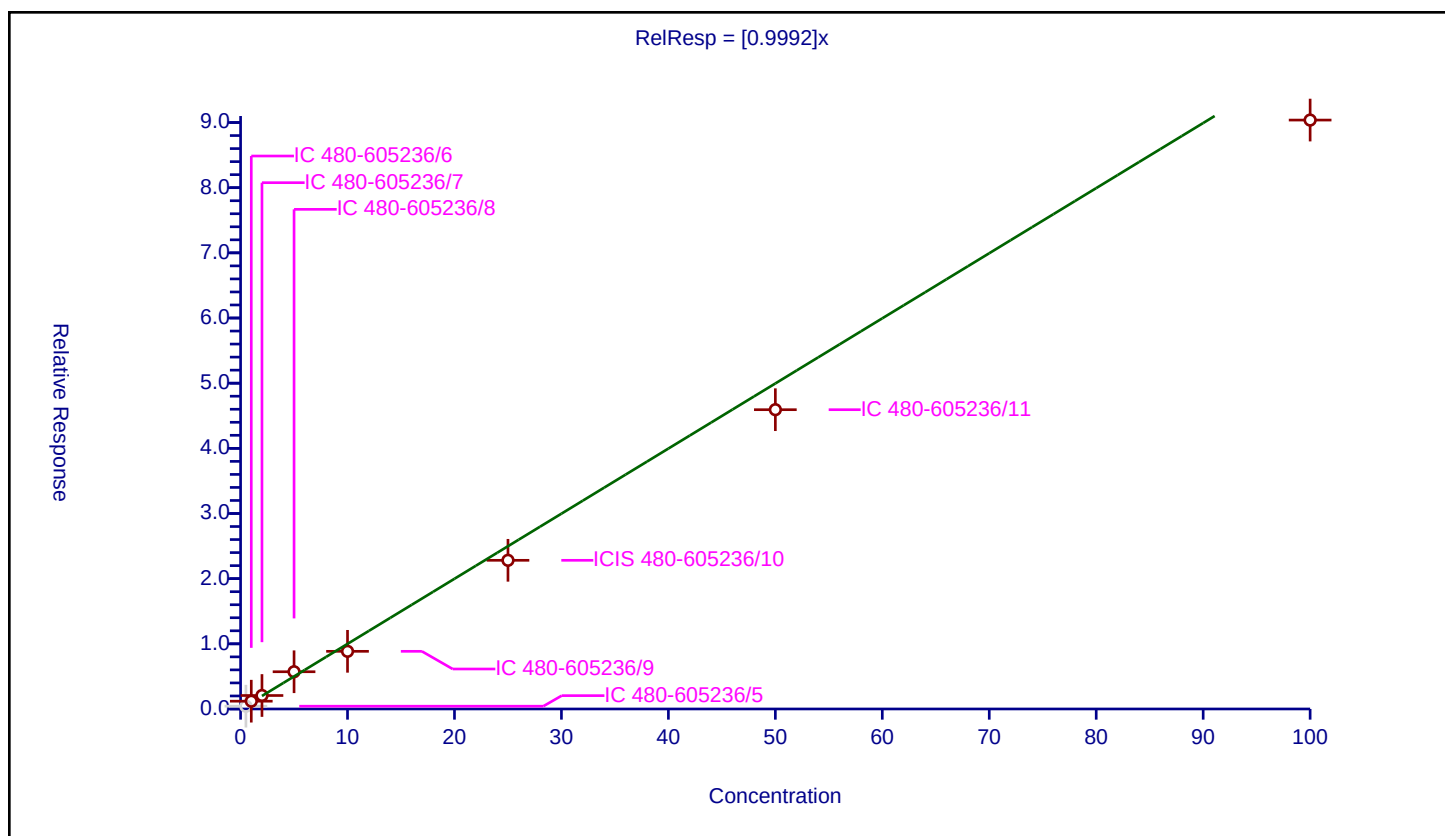
Curve Coefficients

Intercept: 0
 Slope: 0.9992

Error Coefficients

Standard Error: 456000
 Relative Standard Error: 12.7
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.426057	25.0	227904.0	0.852113	N
2	IC 480-605236/6	1.0	1.197365	25.0	231905.0	1.197365	Y
3	IC 480-605236/7	2.0	2.068555	25.0	228227.0	1.034277	Y
4	IC 480-605236/8	5.0	5.713161	25.0	231203.0	1.142632	Y
5	IC 480-605236/9	10.0	8.84863	25.0	245134.0	0.884863	Y
6	ICIS 480-605236/10	25.0	22.81647	25.0	247409.0	0.912659	Y
7	IC 480-605236/11	50.0	45.932438	25.0	249652.0	0.918649	Y
8	IC 480-605236/12	100.0	90.377703	25.0	272926.0	0.903777	Y



Calibration

/ Chloroethane

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

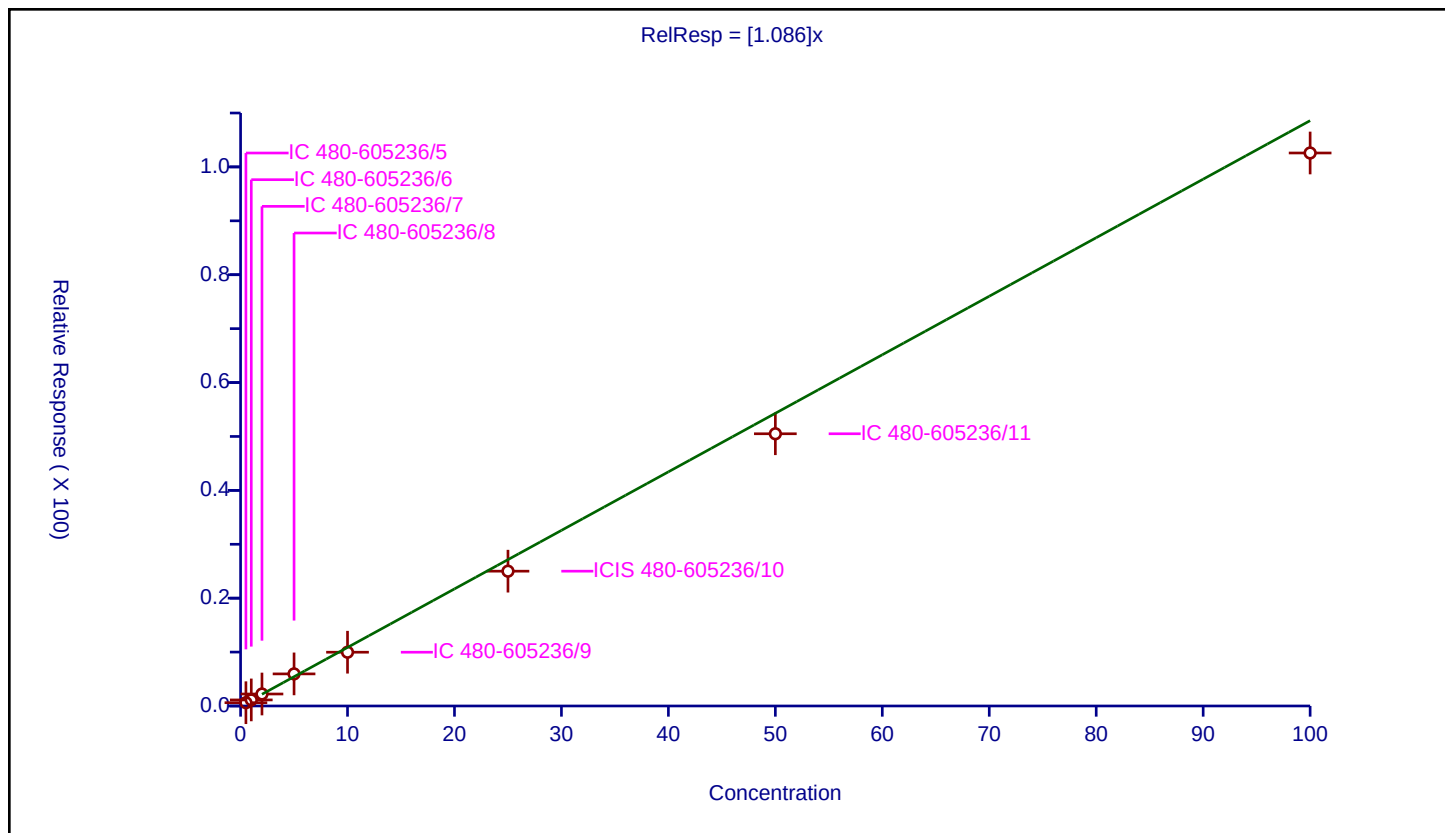
Curve Coefficients

Intercept: 0
 Slope: 1.086

Error Coefficients

Standard Error: 475000
 Relative Standard Error: 8.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.611222	25.0	227904.0	1.222445	Y
2	IC 480-605236/6	1.0	1.127725	25.0	231905.0	1.127725	Y
3	IC 480-605236/7	2.0	2.225197	25.0	228227.0	1.112598	Y
4	IC 480-605236/8	5.0	5.952453	25.0	231203.0	1.190491	Y
5	IC 480-605236/9	10.0	9.973525	25.0	245134.0	0.997352	Y
6	ICIS 480-605236/10	25.0	25.009701	25.0	247409.0	1.000388	Y
7	IC 480-605236/11	50.0	50.501398	25.0	249652.0	1.010028	Y
8	IC 480-605236/12	100.0	102.584583	25.0	272926.0	1.025846	Y



Calibration

/ Dichlorofluoromethane

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

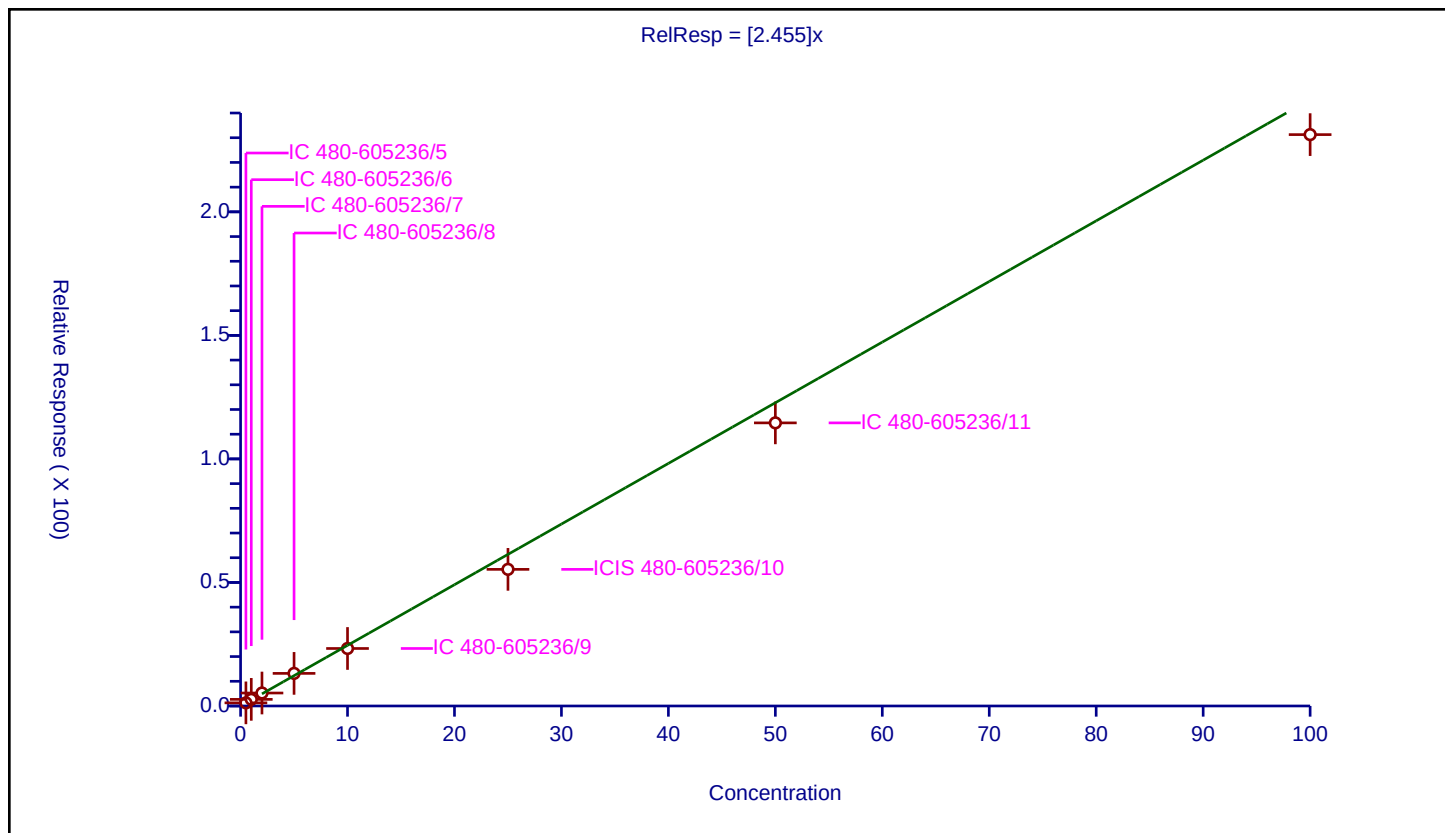
Curve Coefficients

Intercept: 0
 Slope: 2.455

Error Coefficients

Standard Error: 1070000
 Relative Standard Error: 7.6
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.272795	25.0	227904.0	2.545589	Y
2	IC 480-605236/6	1.0	2.680947	25.0	231905.0	2.680947	Y
3	IC 480-605236/7	2.0	5.255732	25.0	228227.0	2.627866	Y
4	IC 480-605236/8	5.0	13.192952	25.0	231203.0	2.63859	Y
5	IC 480-605236/9	10.0	23.272475	25.0	245134.0	2.327248	Y
6	ICIS 480-605236/10	25.0	55.301949	25.0	247409.0	2.212078	Y
7	IC 480-605236/11	50.0	114.586104	25.0	249652.0	2.291722	Y
8	IC 480-605236/12	100.0	231.256733	25.0	272926.0	2.312567	Y



Calibration

/ Trichlorofluoromethane

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

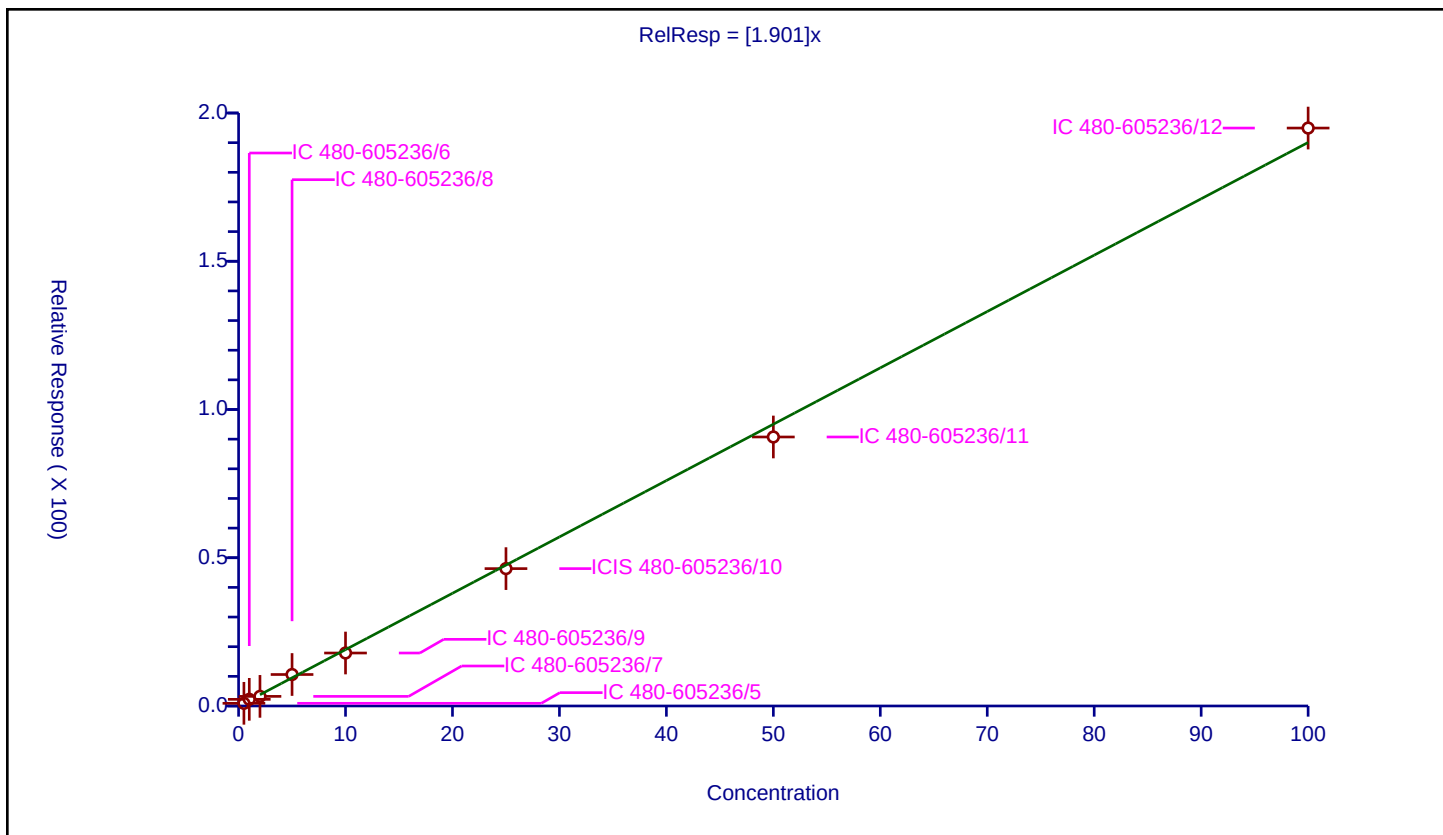
Curve Coefficients

Intercept: 0
 Slope: 1.901

Error Coefficients

Standard Error: 894000
 Relative Standard Error: 10.5
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.907071	25.0	227904.0	1.814141	Y
2	IC 480-605236/6	1.0	2.241974	25.0	231905.0	2.241974	Y
3	IC 480-605236/7	2.0	3.243591	25.0	228227.0	1.621795	Y
4	IC 480-605236/8	5.0	10.617509	25.0	231203.0	2.123502	Y
5	IC 480-605236/9	10.0	17.871144	25.0	245134.0	1.787114	Y
6	ICIS 480-605236/10	25.0	46.334612	25.0	247409.0	1.853384	Y
7	IC 480-605236/11	50.0	90.731198	25.0	249652.0	1.814624	Y
8	IC 480-605236/12	100.0	194.927105	25.0	272926.0	1.949271	Y



Calibration

/ Ethyl ether

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

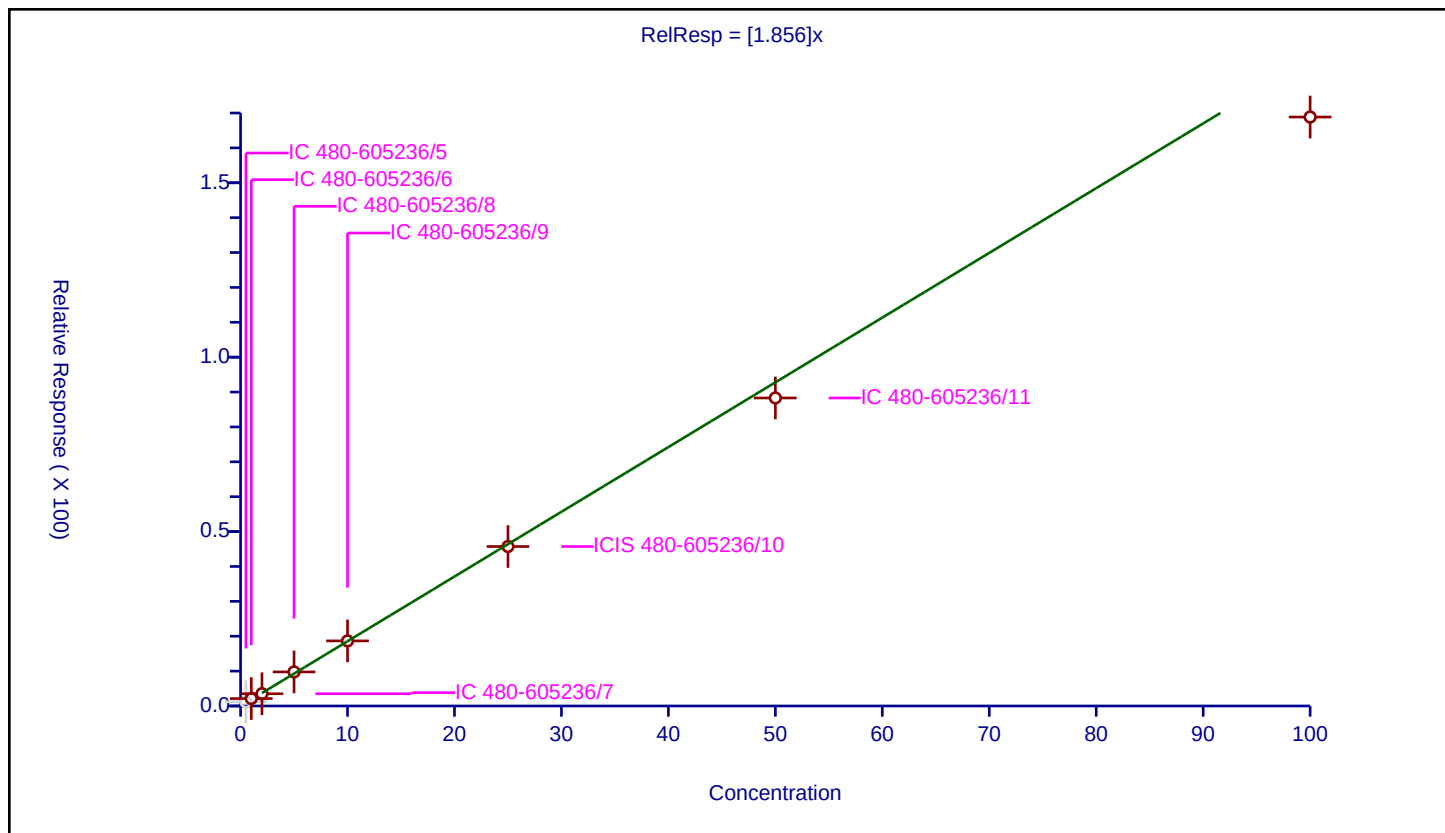
Curve Coefficients

Intercept: 0
 Slope: 1.856

Error Coefficients

Standard Error: 859000
 Relative Standard Error: 8.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.202041	25.0	227904.0	2.404082	N
2	IC 480-605236/6	1.0	2.129751	25.0	231905.0	2.129751	Y
3	IC 480-605236/7	2.0	3.514264	25.0	228227.0	1.757132	Y
4	IC 480-605236/8	5.0	9.765012	25.0	231203.0	1.953002	Y
5	IC 480-605236/9	10.0	18.659182	25.0	245134.0	1.865918	Y
6	ICIS 480-605236/10	25.0	45.720346	25.0	247409.0	1.828814	Y
7	IC 480-605236/11	50.0	88.306122	25.0	249652.0	1.766122	Y
8	IC 480-605236/12	100.0	168.847142	25.0	272926.0	1.688471	Y



Calibration

/ Acrolein

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

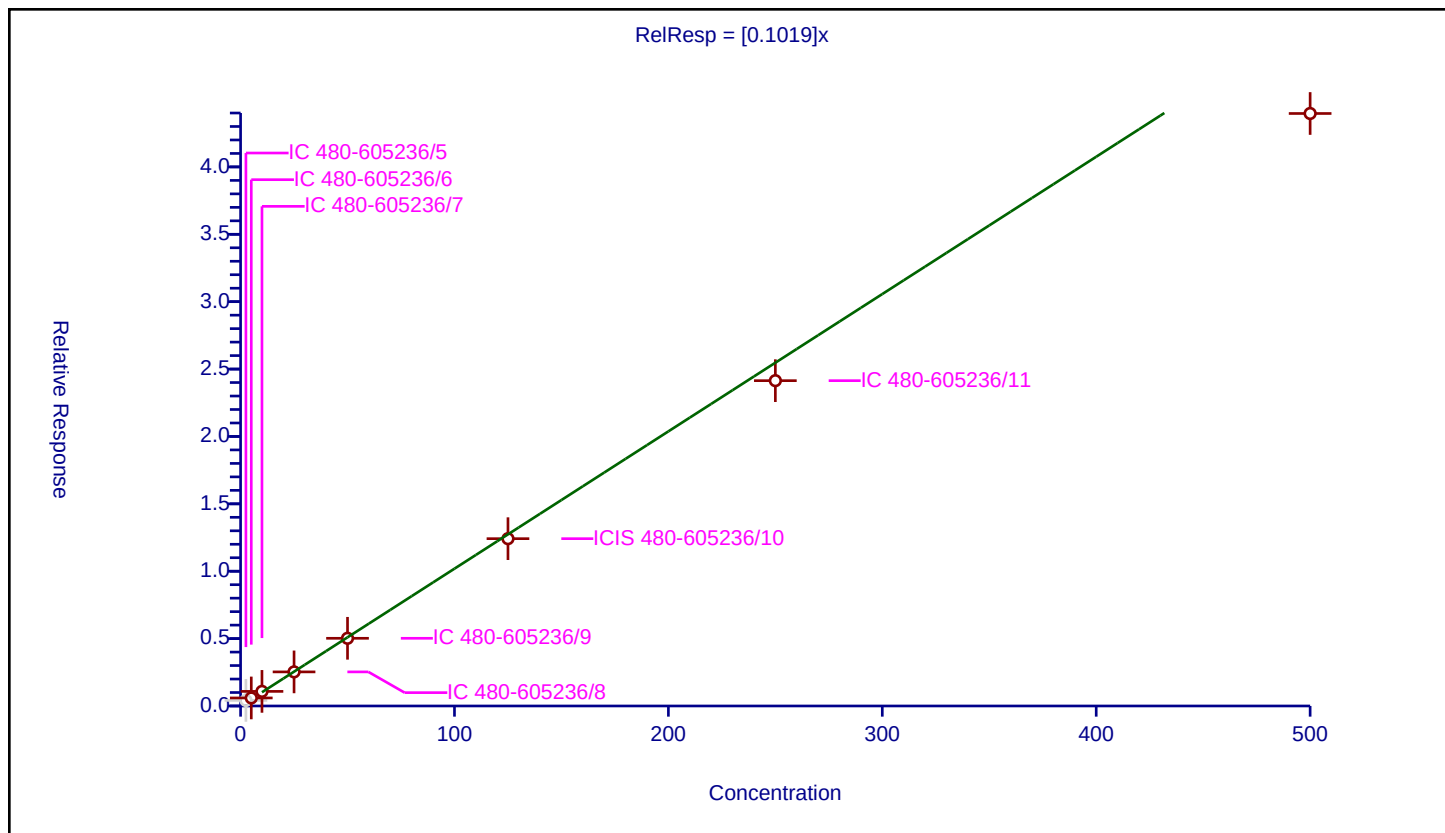
Curve Coefficients

Intercept: 0
 Slope: 0.1019

Error Coefficients

Standard Error: 226000
 Relative Standard Error: 9.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	2.5	0.413771	25.0	227904.0	0.165508	N
2	IC 480-605236/6	5.0	0.597012	25.0	231905.0	0.119402	Y
3	IC 480-605236/7	10.0	1.083023	25.0	228227.0	0.108302	Y
4	IC 480-605236/8	25.0	2.530568	25.0	231203.0	0.101223	Y
5	IC 480-605236/9	50.0	5.023375	25.0	245134.0	0.100467	Y
6	ICIS 480-605236/10	125.0	12.414565	25.0	247409.0	0.099317	Y
7	IC 480-605236/11	250.0	24.139702	25.0	249652.0	0.096559	Y
8	IC 480-605236/12	500.0	43.964573	25.0	272926.0	0.087929	Y



Calibration

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

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

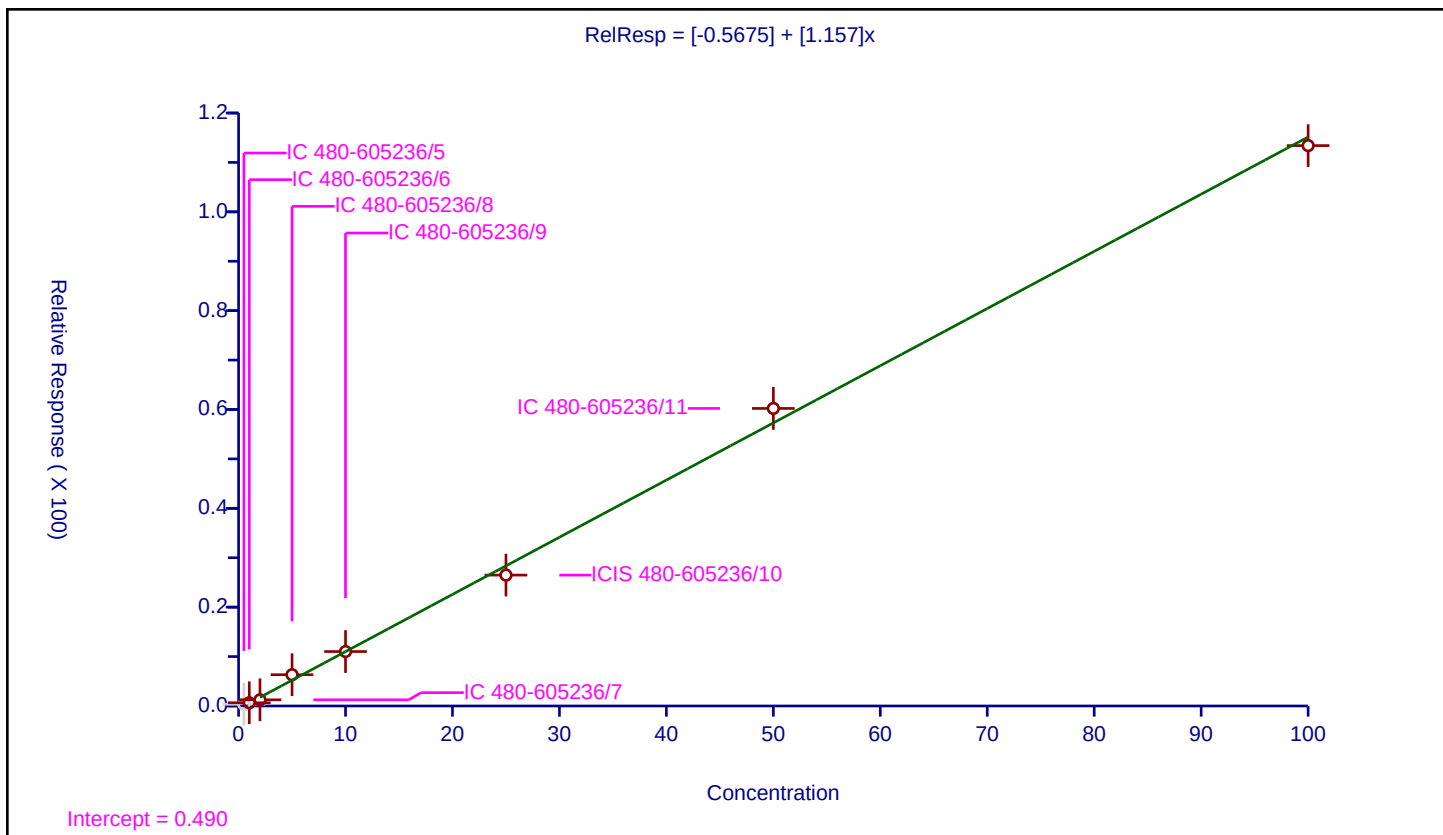
Curve Coefficients

Intercept: -0.5675
 Slope: 1.157

Error Coefficients

Standard Error: 629000
 Relative Standard Error: 13.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.348721	25.0	227904.0	0.697443	N
2	IC 480-605236/6	1.0	0.650374	25.0	231905.0	0.650374	Y
3	IC 480-605236/7	2.0	1.246566	25.0	228227.0	0.623283	Y
4	IC 480-605236/8	5.0	6.326475	25.0	231203.0	1.265295	Y
5	IC 480-605236/9	10.0	11.016526	25.0	245134.0	1.101653	Y
6	ICIS 480-605236/10	25.0	26.489133	25.0	247409.0	1.059565	Y
7	IC 480-605236/11	50.0	60.218424	25.0	249652.0	1.204368	Y
8	IC 480-605236/12	100.0	113.403267	25.0	272926.0	1.134033	Y



Calibration

/ 1,1-Dichloroethene

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

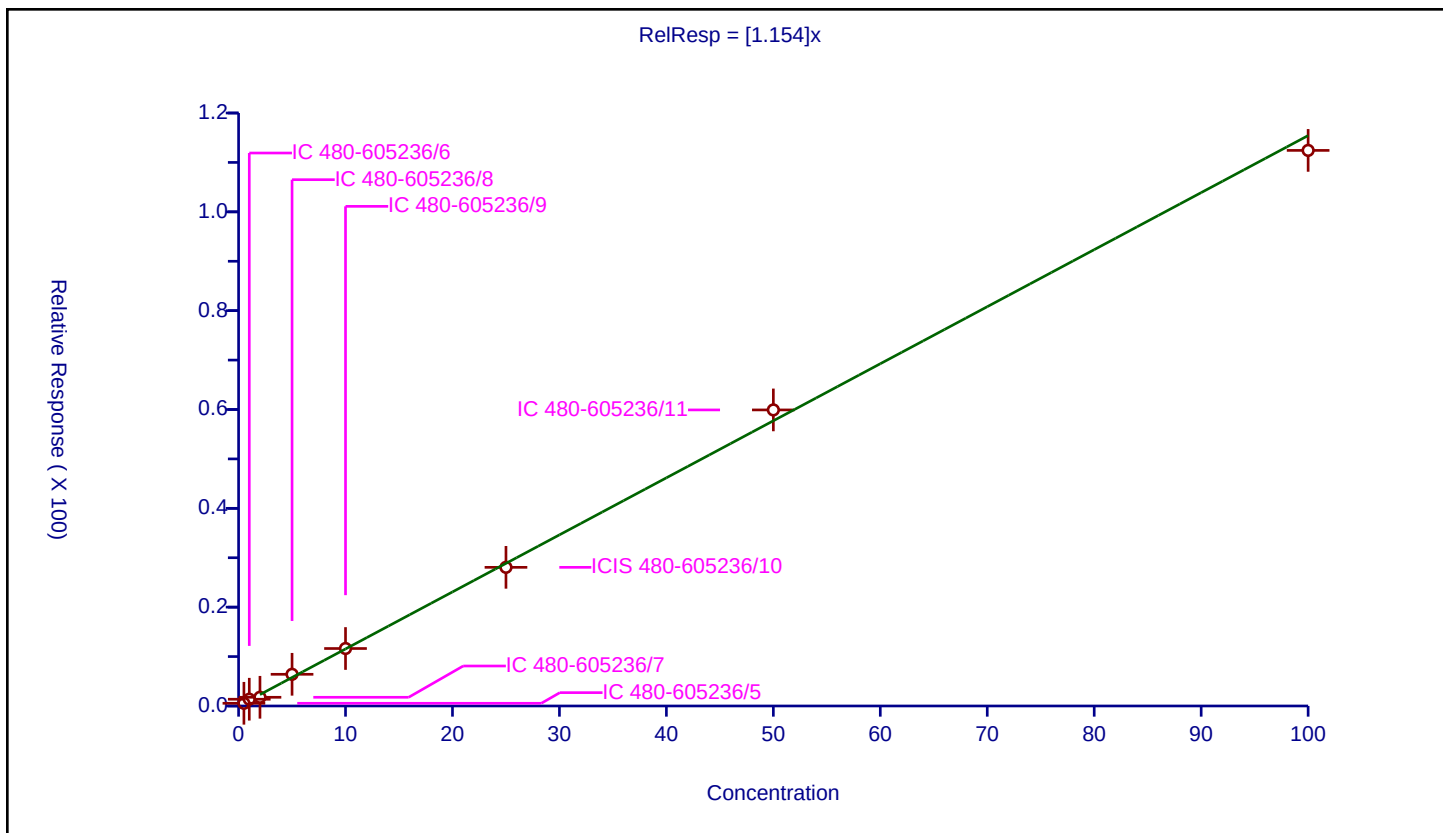
Curve Coefficients

Intercept: 0
 Slope: 1.154

Error Coefficients

Standard Error: 529000
 Relative Standard Error: 12.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.54738	25.0	227904.0	1.094759	Y
2	IC 480-605236/6	1.0	1.367047	25.0	231905.0	1.367047	Y
3	IC 480-605236/7	2.0	1.764143	25.0	228227.0	0.882071	Y
4	IC 480-605236/8	5.0	6.411573	25.0	231203.0	1.282315	Y
5	IC 480-605236/9	10.0	11.633637	25.0	245134.0	1.163364	Y
6	ICIS 480-605236/10	25.0	28.058195	25.0	247409.0	1.122328	Y
7	IC 480-605236/11	50.0	59.915202	25.0	249652.0	1.198304	Y
8	IC 480-605236/12	100.0	112.436704	25.0	272926.0	1.124367	Y



Calibration

/ Acetone

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

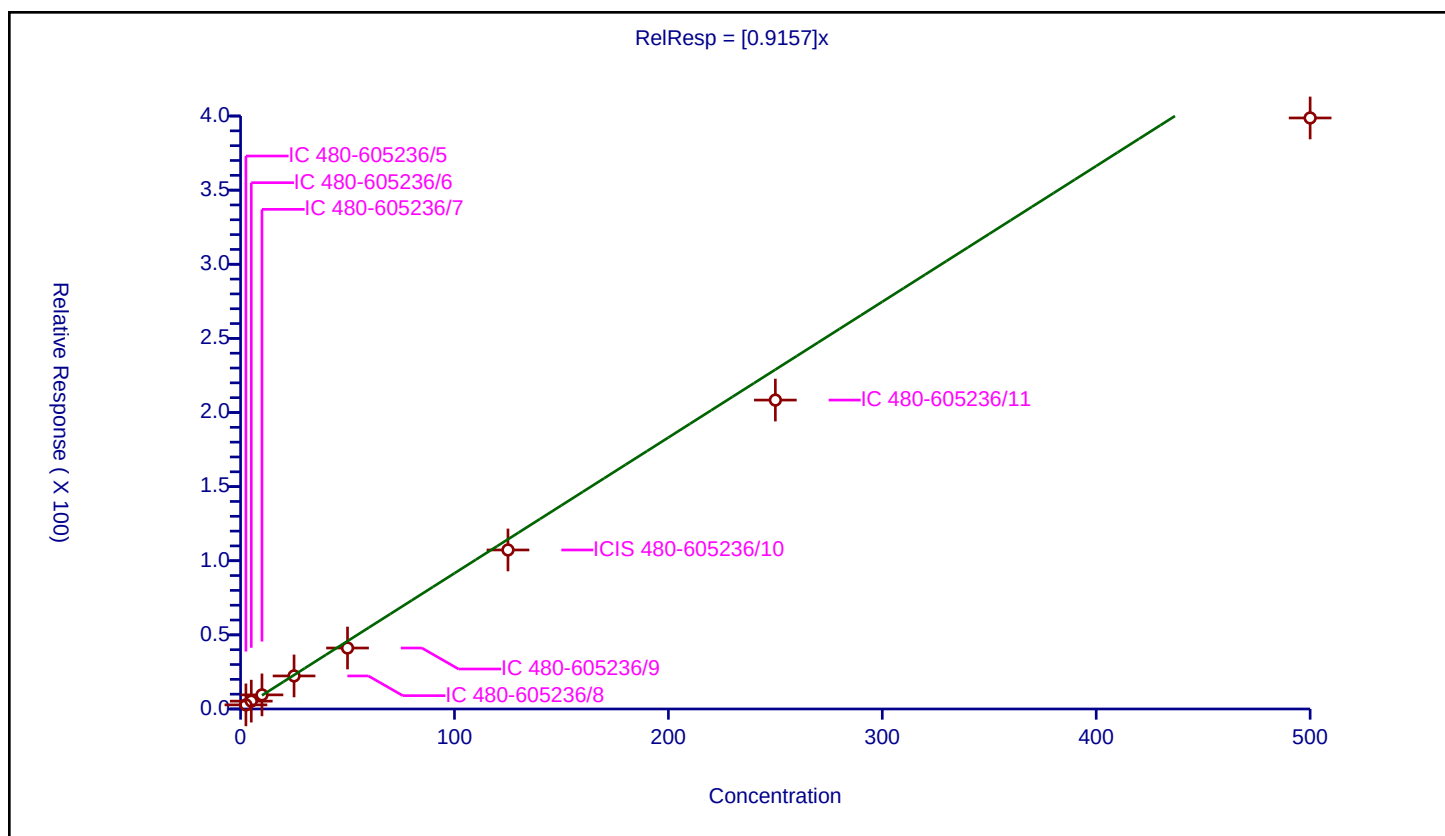
Curve Coefficients

Intercept: 0
 Slope: 0.9157

Error Coefficients

Standard Error: 1880000
 Relative Standard Error: 12.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	2.5	2.773097	25.0	227904.0	1.109239	Y
2	IC 480-605236/6	5.0	5.302818	25.0	231905.0	1.060564	Y
3	IC 480-605236/7	10.0	9.521113	25.0	228227.0	0.952111	Y
4	IC 480-605236/8	25.0	22.297829	25.0	231203.0	0.891913	Y
5	IC 480-605236/9	50.0	41.132809	25.0	245134.0	0.822656	Y
6	ICIS 480-605236/10	125.0	107.278535	25.0	247409.0	0.858228	Y
7	IC 480-605236/11	250.0	208.380866	25.0	249652.0	0.833523	Y
8	IC 480-605236/12	500.0	398.68545	25.0	272926.0	0.797371	Y



Calibration

/ Iodomethane

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

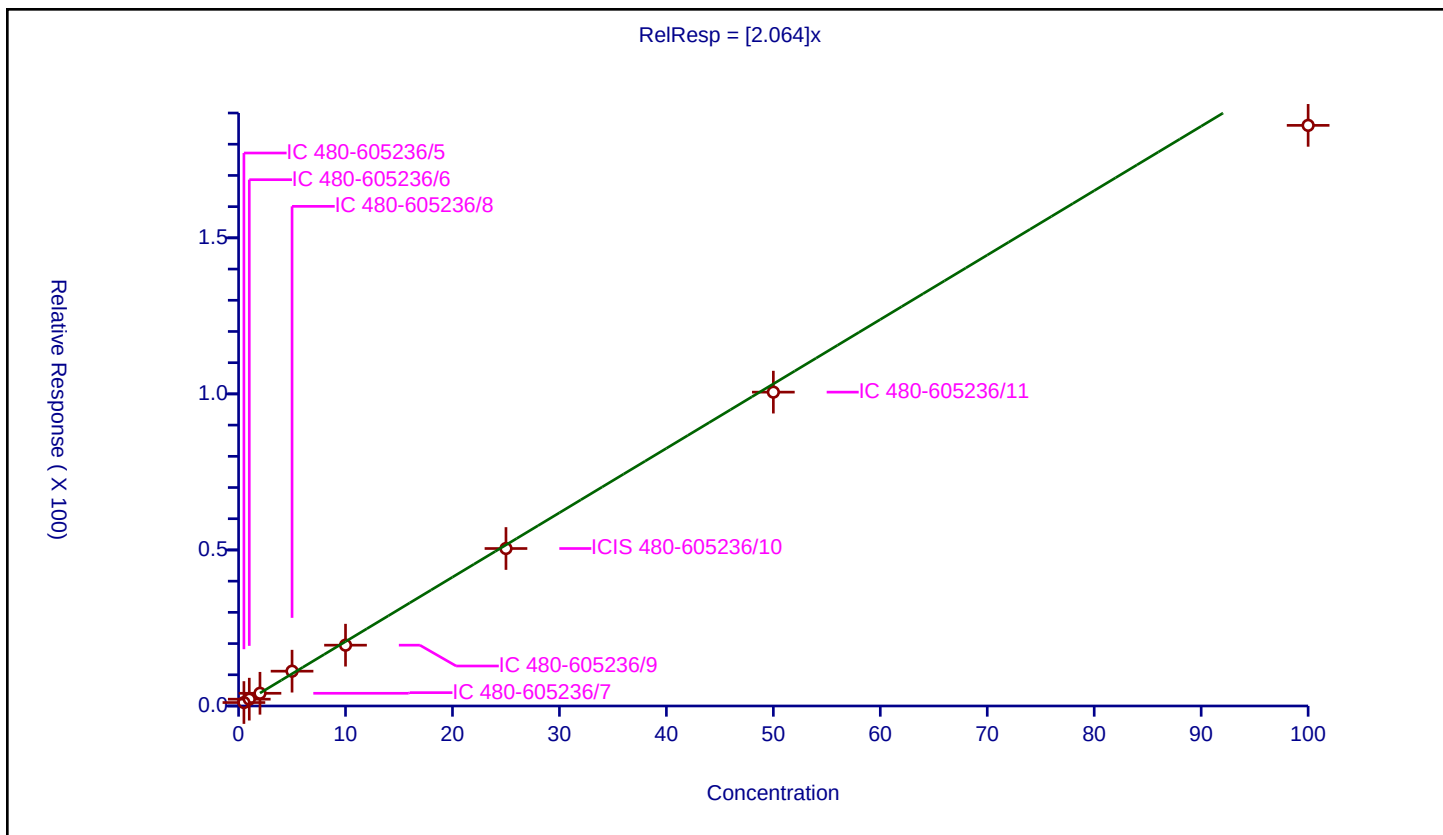
Curve Coefficients

Intercept: 0
 Slope: 2.064

Error Coefficients

Standard Error: 881000
 Relative Standard Error: 6.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.110665	25.0	227904.0	2.22133	Y
2	IC 480-605236/6	1.0	2.184839	25.0	231905.0	2.184839	Y
3	IC 480-605236/7	2.0	4.073138	25.0	228227.0	2.036569	Y
4	IC 480-605236/8	5.0	11.156862	25.0	231203.0	2.231372	Y
5	IC 480-605236/9	10.0	19.482508	25.0	245134.0	1.948251	Y
6	ICIS 480-605236/10	25.0	50.456734	25.0	247409.0	2.018269	Y
7	IC 480-605236/11	50.0	100.563184	25.0	249652.0	2.011264	Y
8	IC 480-605236/12	100.0	186.045668	25.0	272926.0	1.860457	Y



Calibration

/ Carbon disulfide

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

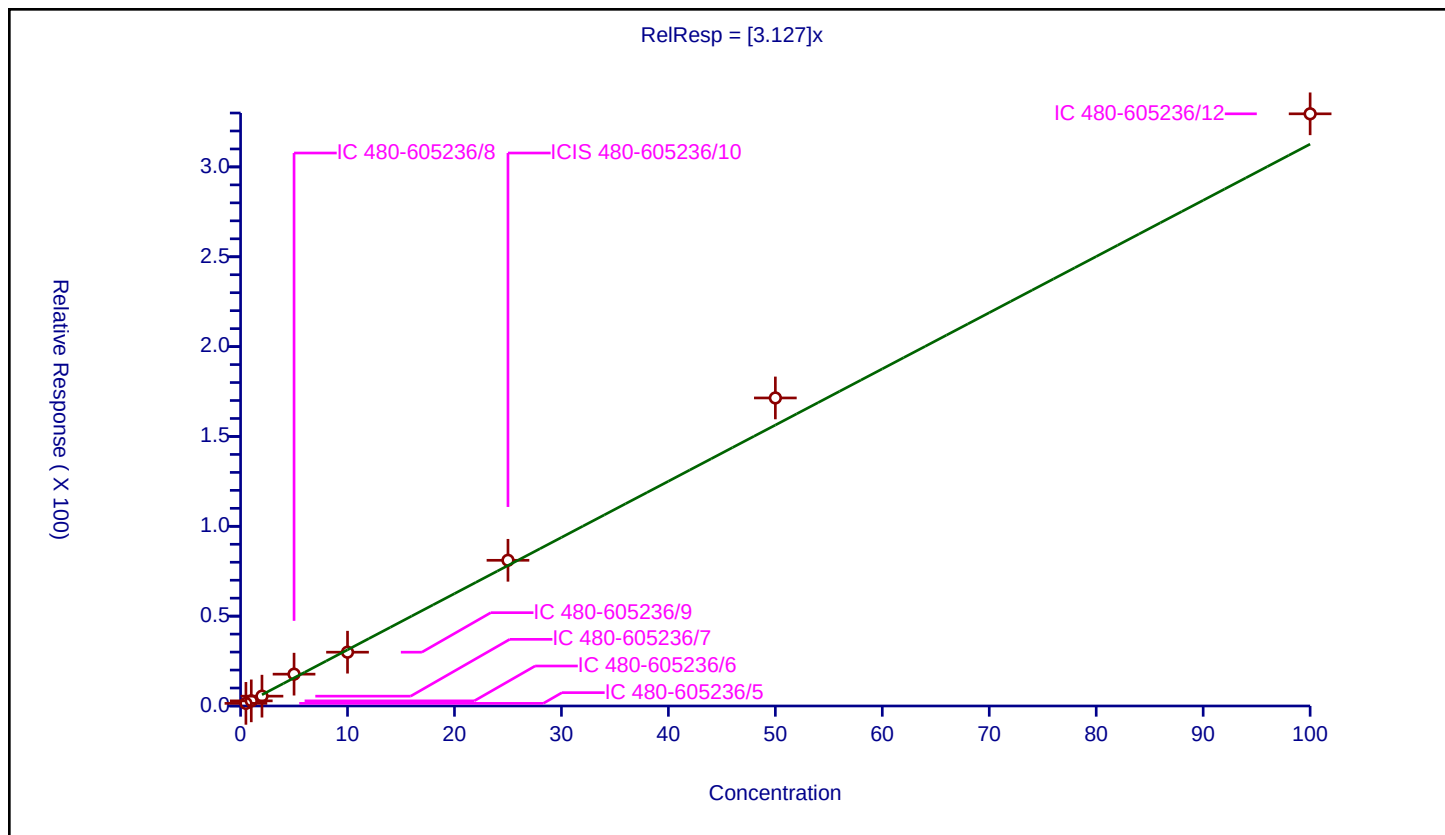
Curve Coefficients

Intercept: 0
 Slope: 3.127

Error Coefficients

Standard Error: 1540000
 Relative Standard Error: 9.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.46158	25.0	227904.0	2.923161	Y
2	IC 480-605236/6	1.0	2.851707	25.0	231905.0	2.851707	Y
3	IC 480-605236/7	2.0	5.470869	25.0	228227.0	2.735434	Y
4	IC 480-605236/8	5.0	17.718412	25.0	231203.0	3.543682	Y
5	IC 480-605236/9	10.0	29.934648	25.0	245134.0	2.993465	Y
6	ICIS 480-605236/10	25.0	81.086884	25.0	247409.0	3.243475	Y
7	IC 480-605236/11	50.0	171.42252	25.0	249652.0	3.42845	Y
8	IC 480-605236/12	100.0	329.558836	25.0	272926.0	3.295588	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

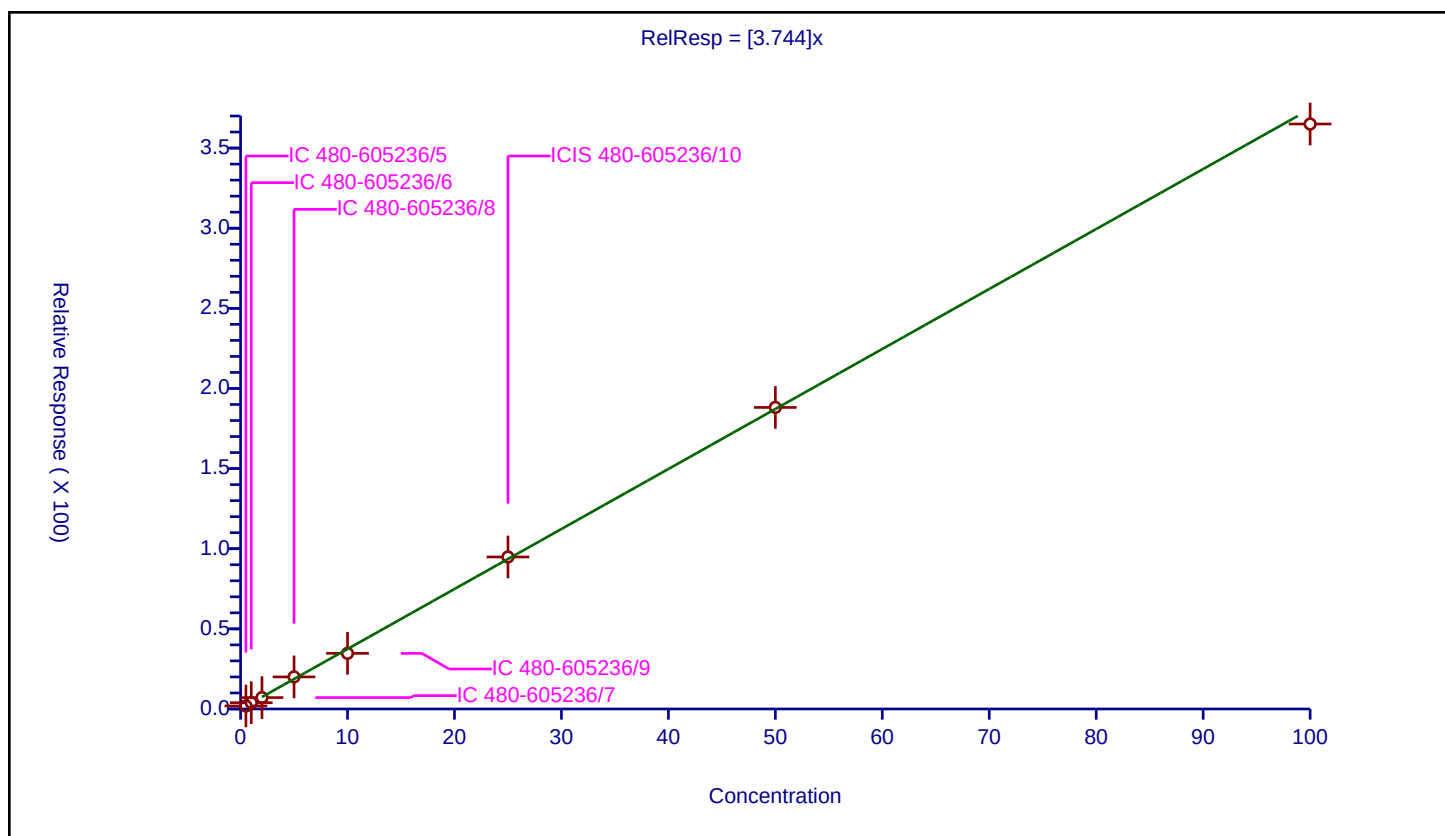
Curve Coefficients

Intercept: 0
 Slope: 3.744

Error Coefficients

Standard Error: 1710000
 Relative Standard Error: 4.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.892902	25.0	227904.0	3.785805	Y
2	IC 480-605236/6	1.0	3.923158	25.0	231905.0	3.923158	Y
3	IC 480-605236/7	2.0	7.119775	25.0	228227.0	3.559888	Y
4	IC 480-605236/8	5.0	20.001146	25.0	231203.0	4.000229	Y
5	IC 480-605236/9	10.0	34.723049	25.0	245134.0	3.472305	Y
6	ICIS 480-605236/10	25.0	94.853461	25.0	247409.0	3.794138	Y
7	IC 480-605236/11	50.0	188.166227	25.0	249652.0	3.763325	Y
8	IC 480-605236/12	100.0	365.005075	25.0	272926.0	3.650051	Y



Calibration

/ Methyl acetate

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

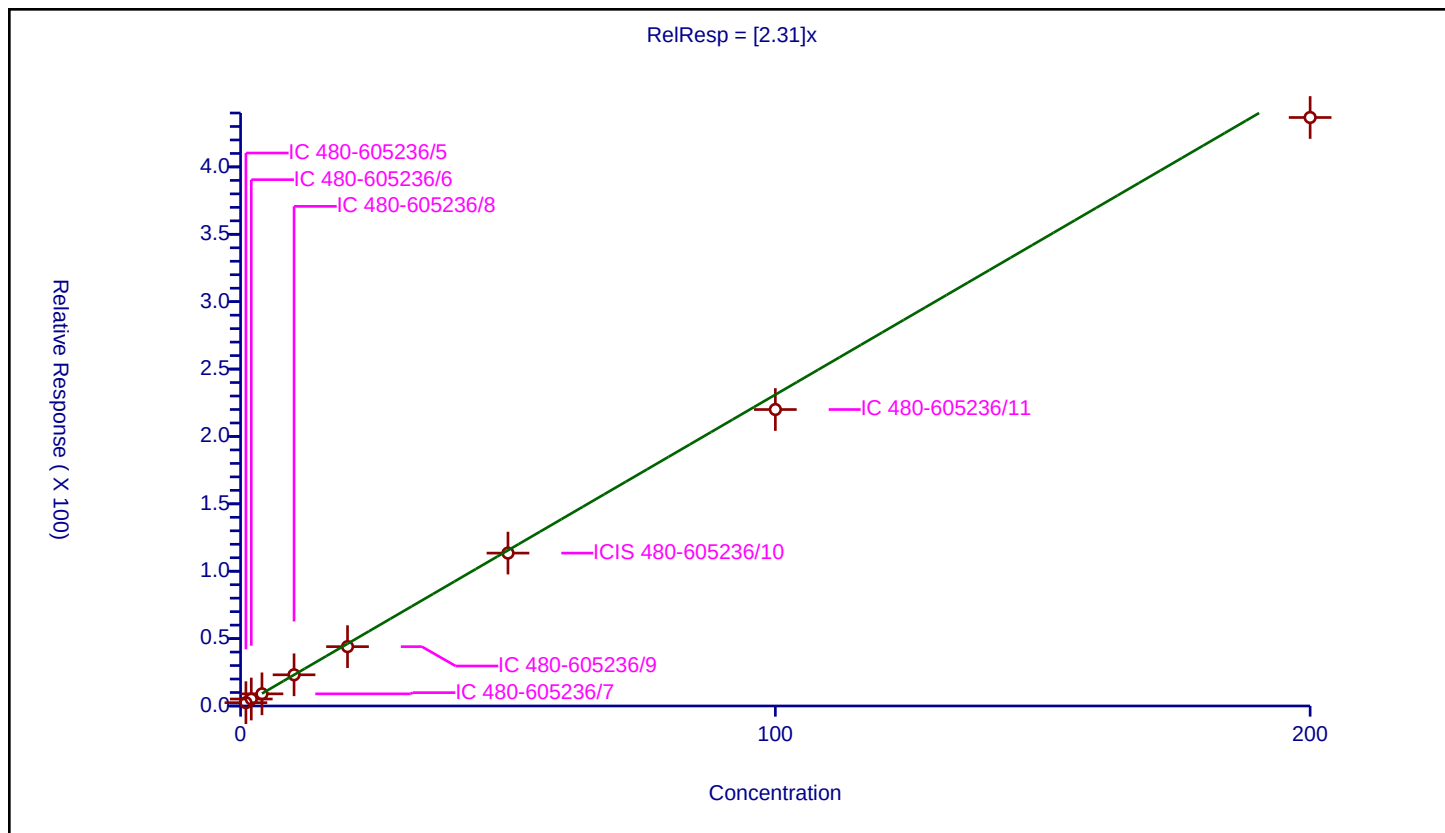
Curve Coefficients

Intercept: 0
 Slope: 2.31

Error Coefficients

Standard Error: 2040000
 Relative Standard Error: 6.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	1.0	2.471106	25.0	227904.0	2.471106	Y
2	IC 480-605236/6	2.0	5.173347	25.0	231905.0	2.586673	Y
3	IC 480-605236/7	4.0	9.020624	25.0	228227.0	2.255156	Y
4	IC 480-605236/8	10.0	23.143298	25.0	231203.0	2.31433	Y
5	IC 480-605236/9	20.0	44.035915	25.0	245134.0	2.201796	Y
6	ICIS 480-605236/10	50.0	113.446257	25.0	247409.0	2.268925	Y
7	IC 480-605236/11	100.0	219.982716	25.0	249652.0	2.199827	Y
8	IC 480-605236/12	200.0	436.679082	25.0	272926.0	2.183395	Y



Calibration

/ Methylene Chloride

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

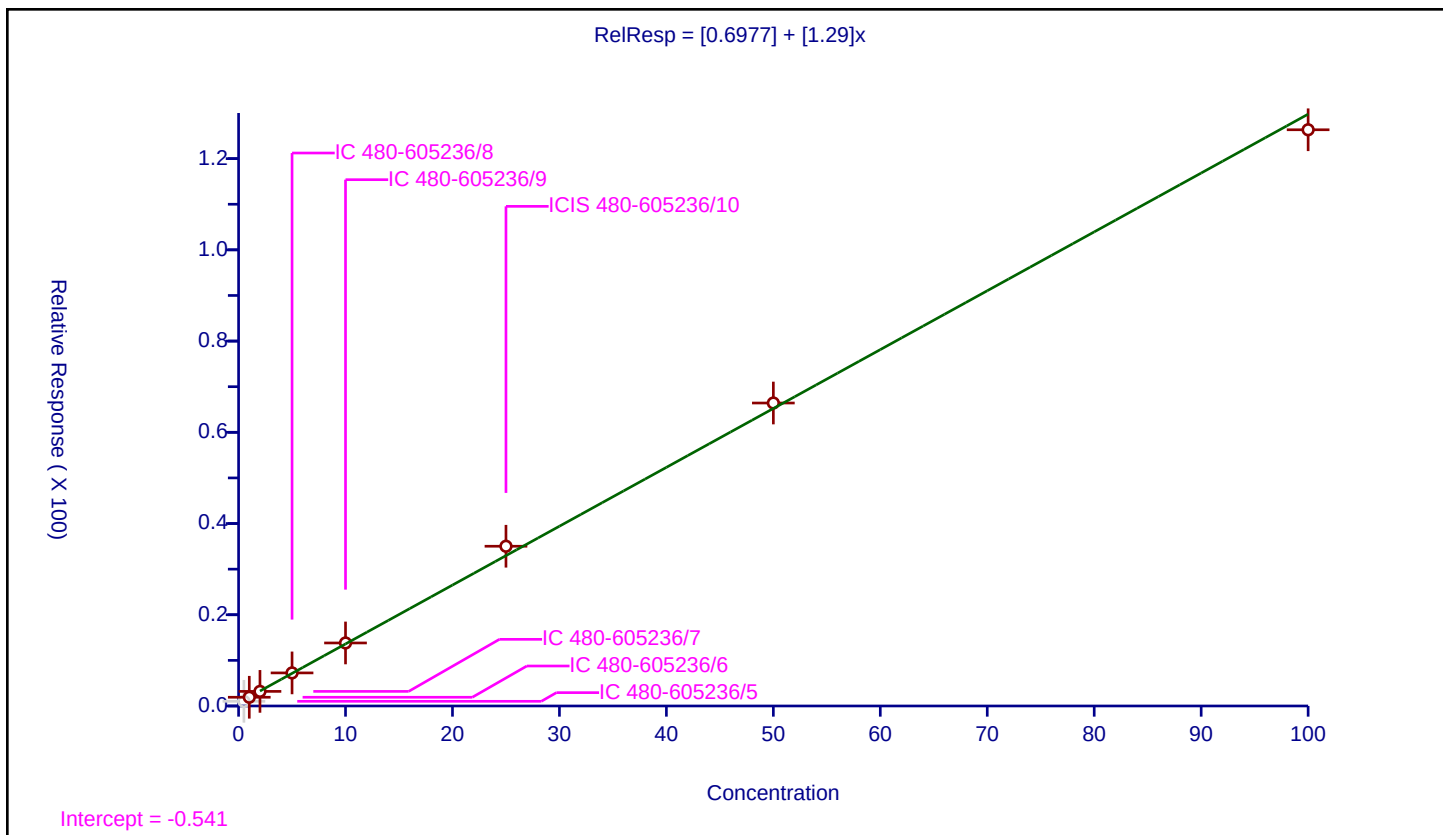
Curve Coefficients

Intercept: 0.6977
 Slope: 1.29

Error Coefficients

Standard Error: 705000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.028394	25.0	227904.0	2.056787	N
2	IC 480-605236/6	1.0	1.912852	25.0	231905.0	1.912852	Y
3	IC 480-605236/7	2.0	3.202623	25.0	228227.0	1.601311	Y
4	IC 480-605236/8	5.0	7.249798	25.0	231203.0	1.44996	Y
5	IC 480-605236/9	10.0	13.816015	25.0	245134.0	1.381601	Y
6	ICIS 480-605236/10	25.0	35.020048	25.0	247409.0	1.400802	Y
7	IC 480-605236/11	50.0	66.419456	25.0	249652.0	1.328389	Y
8	IC 480-605236/12	100.0	126.328016	25.0	272926.0	1.26328	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

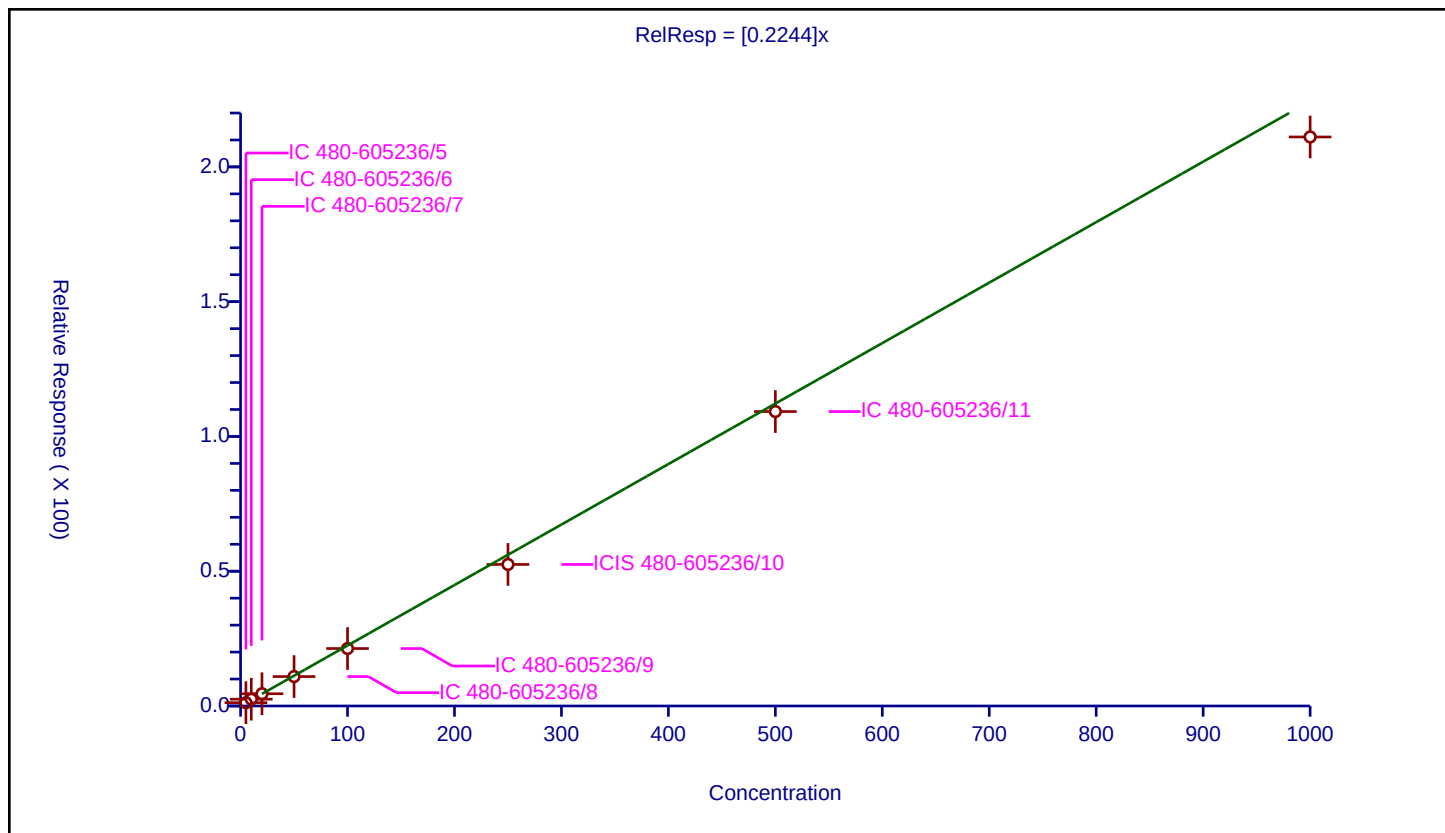
Curve Coefficients

Intercept: 0
 Slope: 0.2244

Error Coefficients

Standard Error: 988000
 Relative Standard Error: 7.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	5.0	1.225735	25.0	227904.0	0.245147	Y
2	IC 480-605236/6	10.0	2.516117	25.0	231905.0	0.251612	Y
3	IC 480-605236/7	20.0	4.542736	25.0	228227.0	0.227137	Y
4	IC 480-605236/8	50.0	10.916489	25.0	231203.0	0.21833	Y
5	IC 480-605236/9	100.0	21.3163	25.0	245134.0	0.213163	Y
6	ICIS 480-605236/10	250.0	52.511428	25.0	247409.0	0.210046	Y
7	IC 480-605236/11	500.0	109.23876	25.0	249652.0	0.218478	Y
8	IC 480-605236/12	1000.0	211.115925	25.0	272926.0	0.211116	Y



Calibration

/ Methyl tert-butyl ether

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

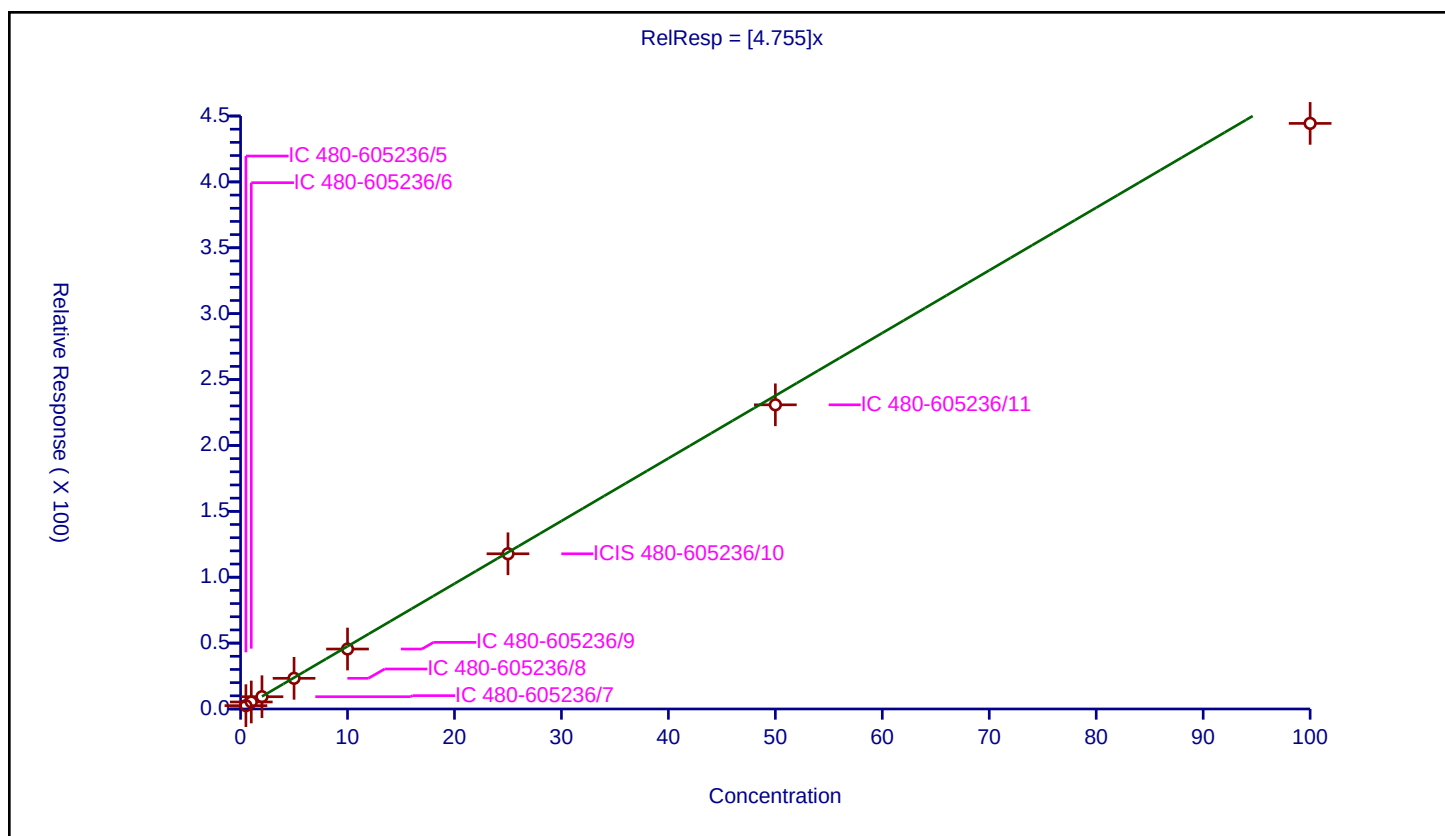
Curve Coefficients

Intercept: 0
 Slope: 4.755

Error Coefficients

Standard Error: 2090000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	2.546138	25.0	227904.0	5.092276	Y
2	IC 480-605236/6	1.0	5.308855	25.0	231905.0	5.308855	Y
3	IC 480-605236/7	2.0	9.326241	25.0	228227.0	4.66312	Y
4	IC 480-605236/8	5.0	23.279326	25.0	231203.0	4.655865	Y
5	IC 480-605236/9	10.0	45.506437	25.0	245134.0	4.550644	Y
6	ICIS 480-605236/10	25.0	117.786136	25.0	247409.0	4.711445	Y
7	IC 480-605236/11	50.0	230.834422	25.0	249652.0	4.616688	Y
8	IC 480-605236/12	100.0	444.397382	25.0	272926.0	4.443974	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

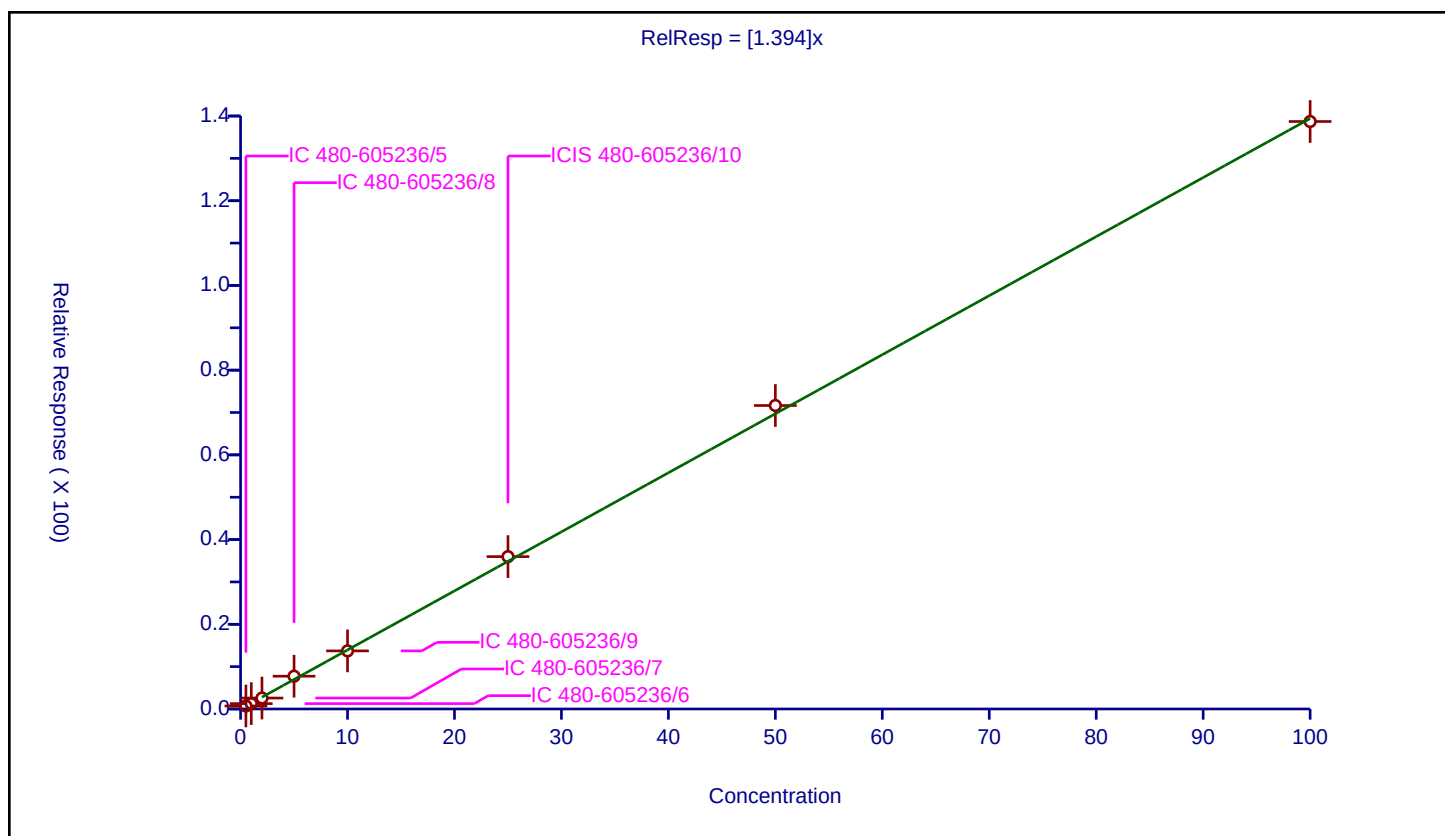
Curve Coefficients

Intercept: 0
Slope: 1.394

Error Coefficients

Standard Error: 650000
Relative Standard Error: 6.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.706547	25.0	227904.0	1.413095	Y
2	IC 480-605236/6	1.0	1.269378	25.0	231905.0	1.269378	Y
3	IC 480-605236/7	2.0	2.581859	25.0	228227.0	1.29093	Y
4	IC 480-605236/8	5.0	7.74352	25.0	231203.0	1.548704	Y
5	IC 480-605236/9	10.0	13.718211	25.0	245134.0	1.371821	Y
6	ICIS 480-605236/10	25.0	35.968983	25.0	247409.0	1.438759	Y
7	IC 480-605236/11	50.0	71.650137	25.0	249652.0	1.433003	Y
8	IC 480-605236/12	100.0	138.700051	25.0	272926.0	1.387001	Y



Calibration

/ Acrylonitrile

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

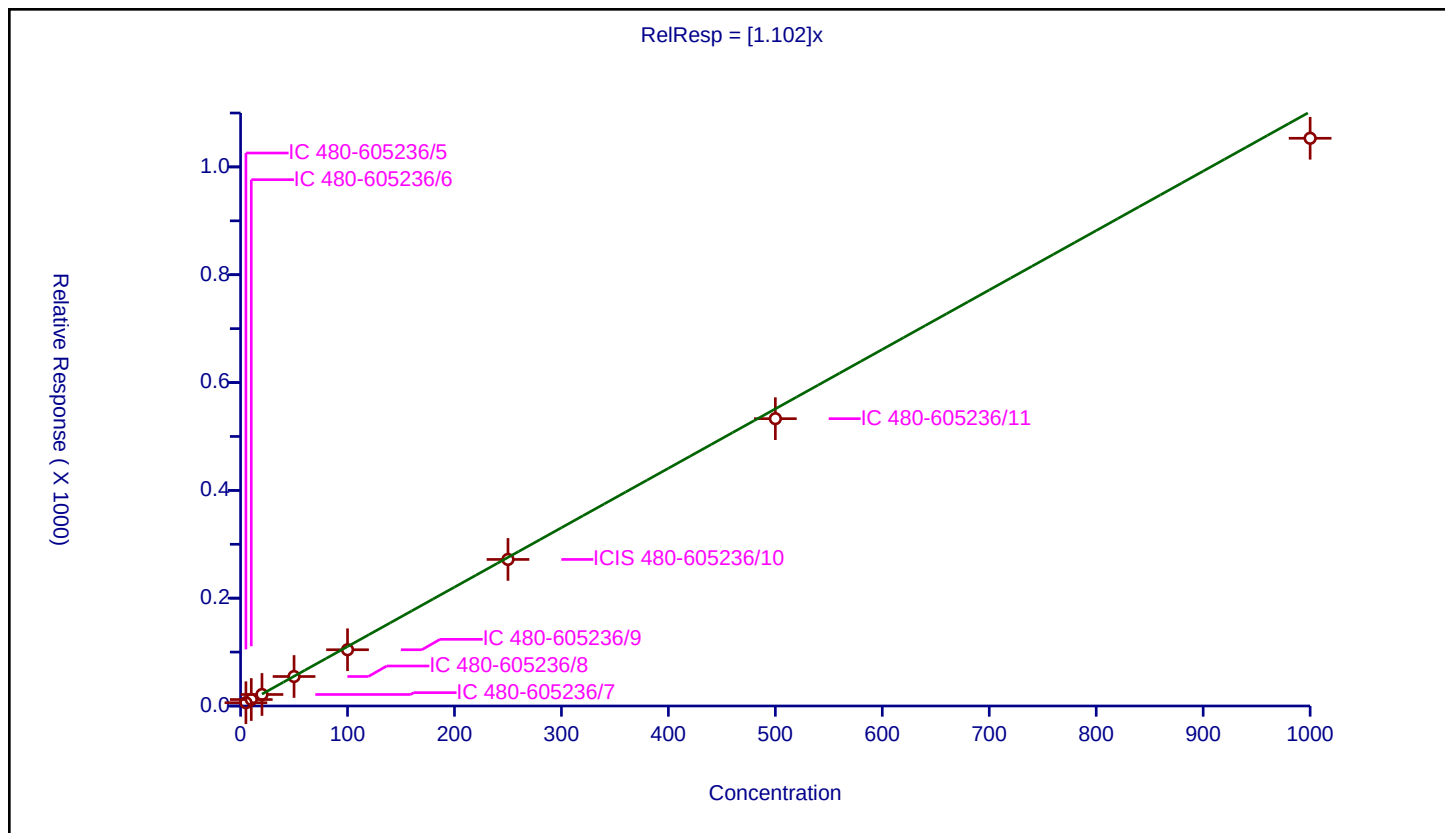
Curve Coefficients

Intercept: 0
 Slope: 1.102

Error Coefficients

Standard Error: 4910000
 Relative Standard Error: 5.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	5.0	6.048819	25.0	227904.0	1.209764	Y
2	IC 480-605236/6	10.0	11.981523	25.0	231905.0	1.198152	Y
3	IC 480-605236/7	20.0	21.341362	25.0	228227.0	1.067068	Y
4	IC 480-605236/8	50.0	54.708741	25.0	231203.0	1.094175	Y
5	IC 480-605236/9	100.0	104.340891	25.0	245134.0	1.043409	Y
6	ICIS 480-605236/10	250.0	271.841667	25.0	247409.0	1.087367	Y
7	IC 480-605236/11	500.0	533.008948	25.0	249652.0	1.066018	Y
8	IC 480-605236/12	1000.0	1053.15919	25.0	272926.0	1.053159	Y



Calibration

/ Hexane

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

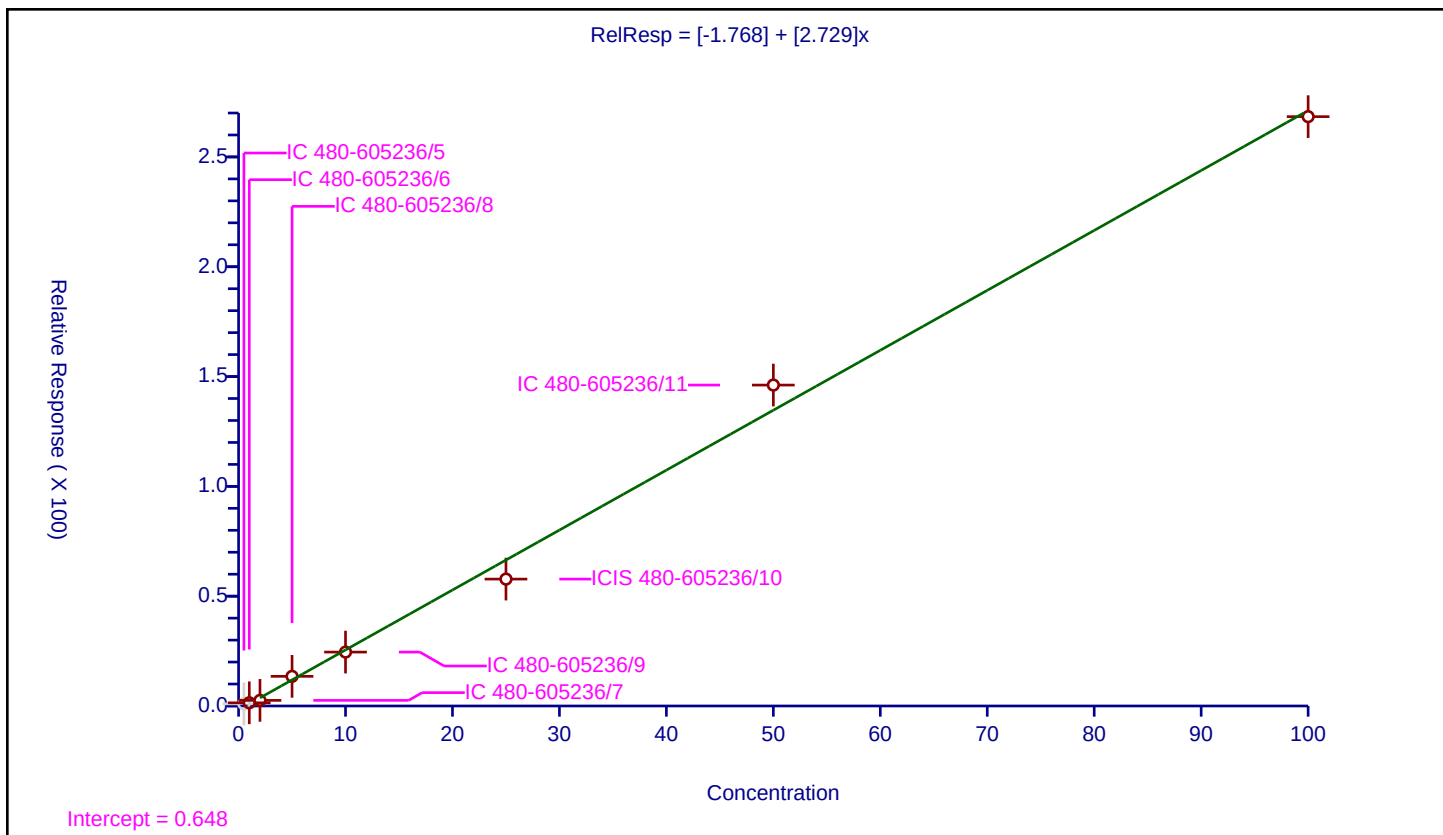
Curve Coefficients

Intercept: -1.768
 Slope: 2.729

Error Coefficients

Standard Error: 1490000
 Relative Standard Error: 15.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.967074	25.0	227904.0	1.934148	N
2	IC 480-605236/6	1.0	1.445851	25.0	231905.0	1.445851	Y
3	IC 480-605236/7	2.0	2.56028	25.0	228227.0	1.28014	Y
4	IC 480-605236/8	5.0	13.495932	25.0	231203.0	2.699186	Y
5	IC 480-605236/9	10.0	24.541475	25.0	245134.0	2.454148	Y
6	ICIS 480-605236/10	25.0	57.782154	25.0	247409.0	2.311286	Y
7	IC 480-605236/11	50.0	146.122002	25.0	249652.0	2.92244	Y
8	IC 480-605236/12	100.0	268.349113	25.0	272926.0	2.683491	Y



Calibration

/ 1,1-Dichloroethane

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

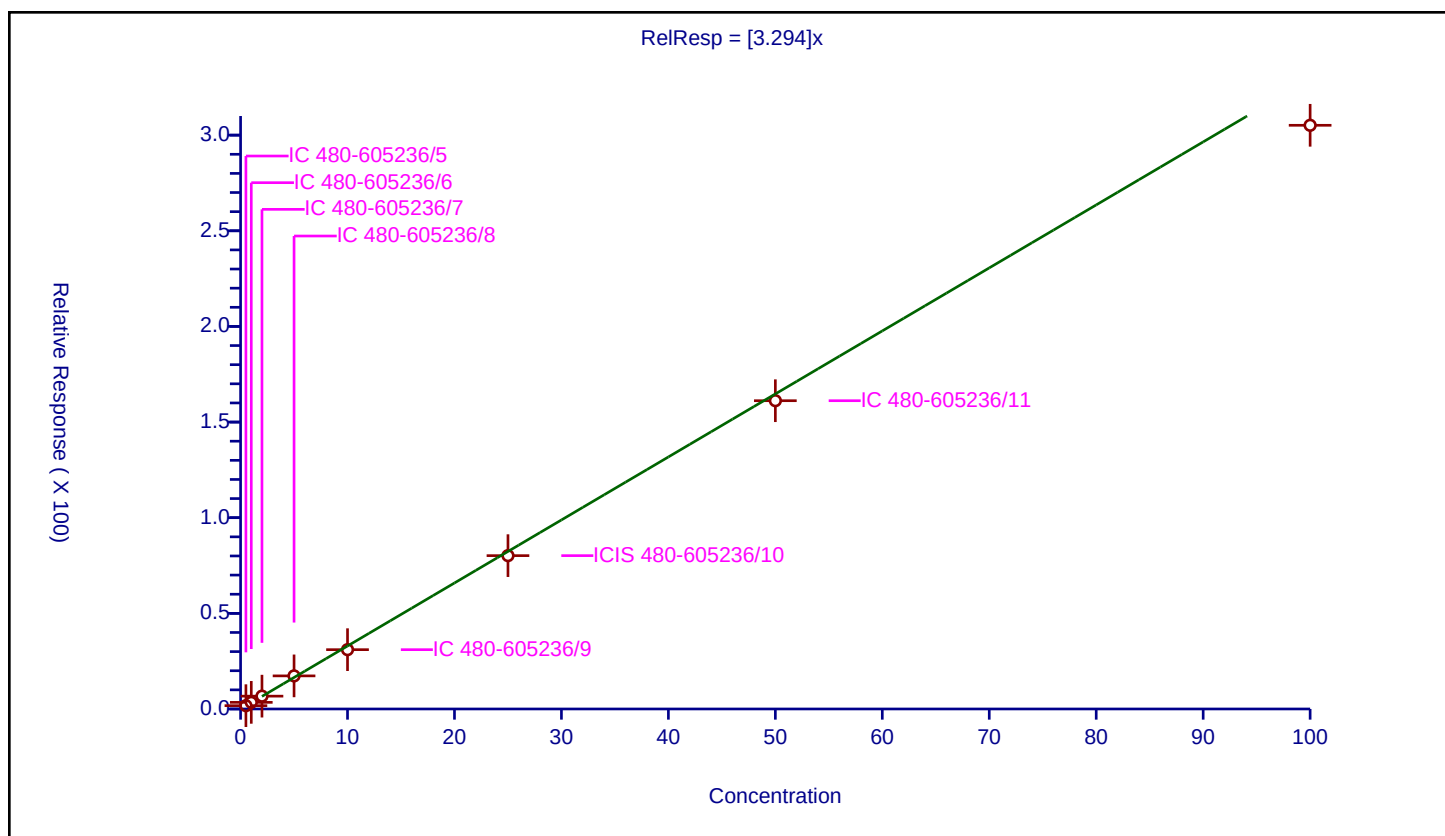
Curve Coefficients

Intercept: 0
 Slope: 3.294

Error Coefficients

Standard Error: 1440000
 Relative Standard Error: 5.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.741194	25.0	227904.0	3.482387	Y
2	IC 480-605236/6	1.0	3.46629	25.0	231905.0	3.46629	Y
3	IC 480-605236/7	2.0	6.715792	25.0	228227.0	3.357896	Y
4	IC 480-605236/8	5.0	17.313032	25.0	231203.0	3.462606	Y
5	IC 480-605236/9	10.0	31.016301	25.0	245134.0	3.10163	Y
6	ICIS 480-605236/10	25.0	80.174125	25.0	247409.0	3.206965	Y
7	IC 480-605236/11	50.0	161.168647	25.0	249652.0	3.223373	Y
8	IC 480-605236/12	100.0	305.154694	25.0	272926.0	3.051547	Y



Calibration

/ Vinyl acetate

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

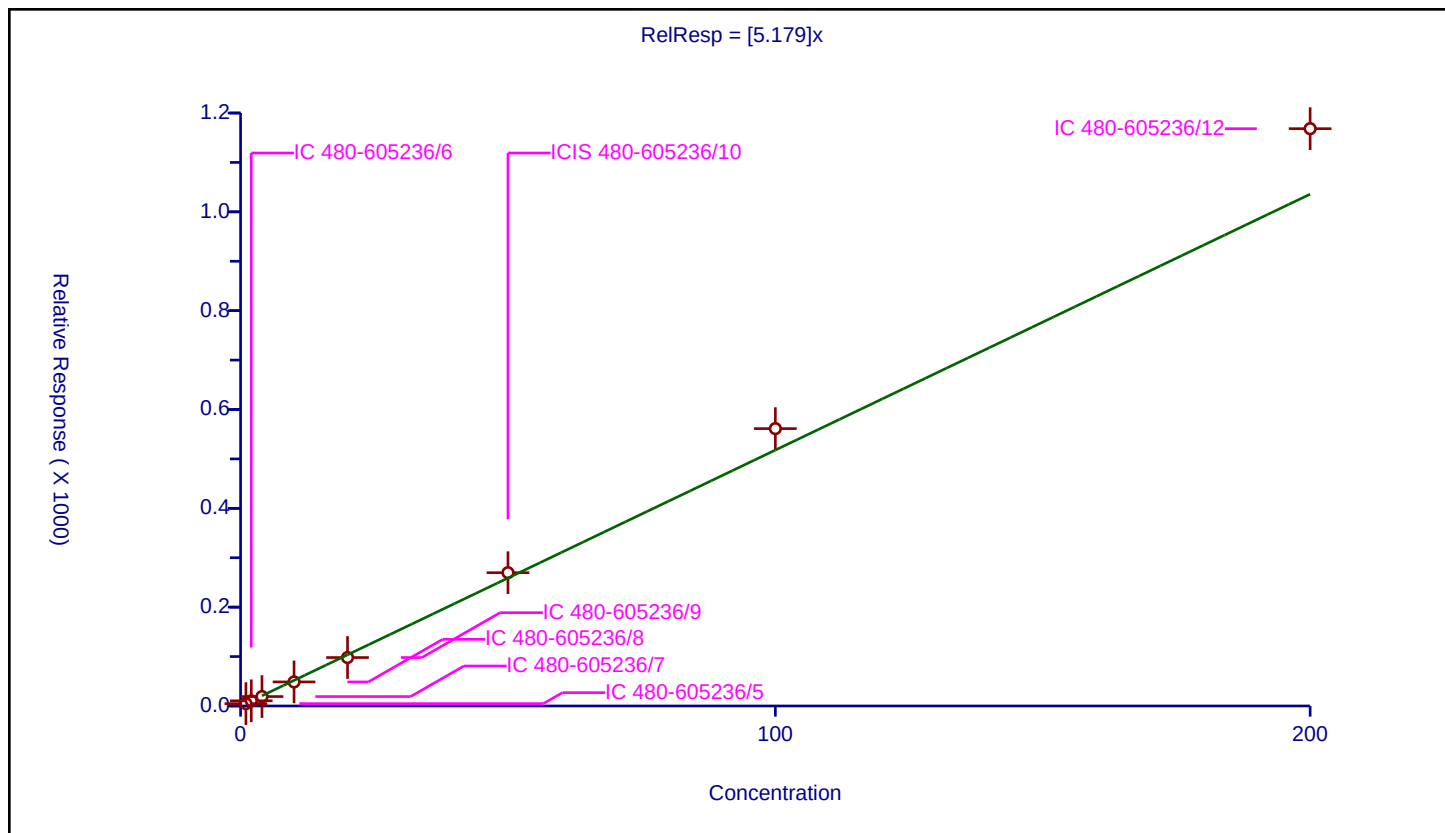
Curve Coefficients

Intercept: 0
Slope: 5.179

Error Coefficients

Standard Error: 5380000
Relative Standard Error: 7.9
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	1.0	4.774269	25.0	227904.0	4.774269	Y
2	IC 480-605236/6	2.0	10.513033	25.0	231905.0	5.256517	Y
3	IC 480-605236/7	4.0	19.10313	25.0	228227.0	4.775782	Y
4	IC 480-605236/8	10.0	48.730012	25.0	231203.0	4.873001	Y
5	IC 480-605236/9	20.0	98.008742	25.0	245134.0	4.900437	Y
6	ICIS 480-605236/10	50.0	269.727657	25.0	247409.0	5.394553	Y
7	IC 480-605236/11	100.0	561.344592	25.0	249652.0	5.613446	Y
8	IC 480-605236/12	200.0	1168.328595	25.0	272926.0	5.841643	Y



Calibration

/ 2,2-Dichloropropane

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

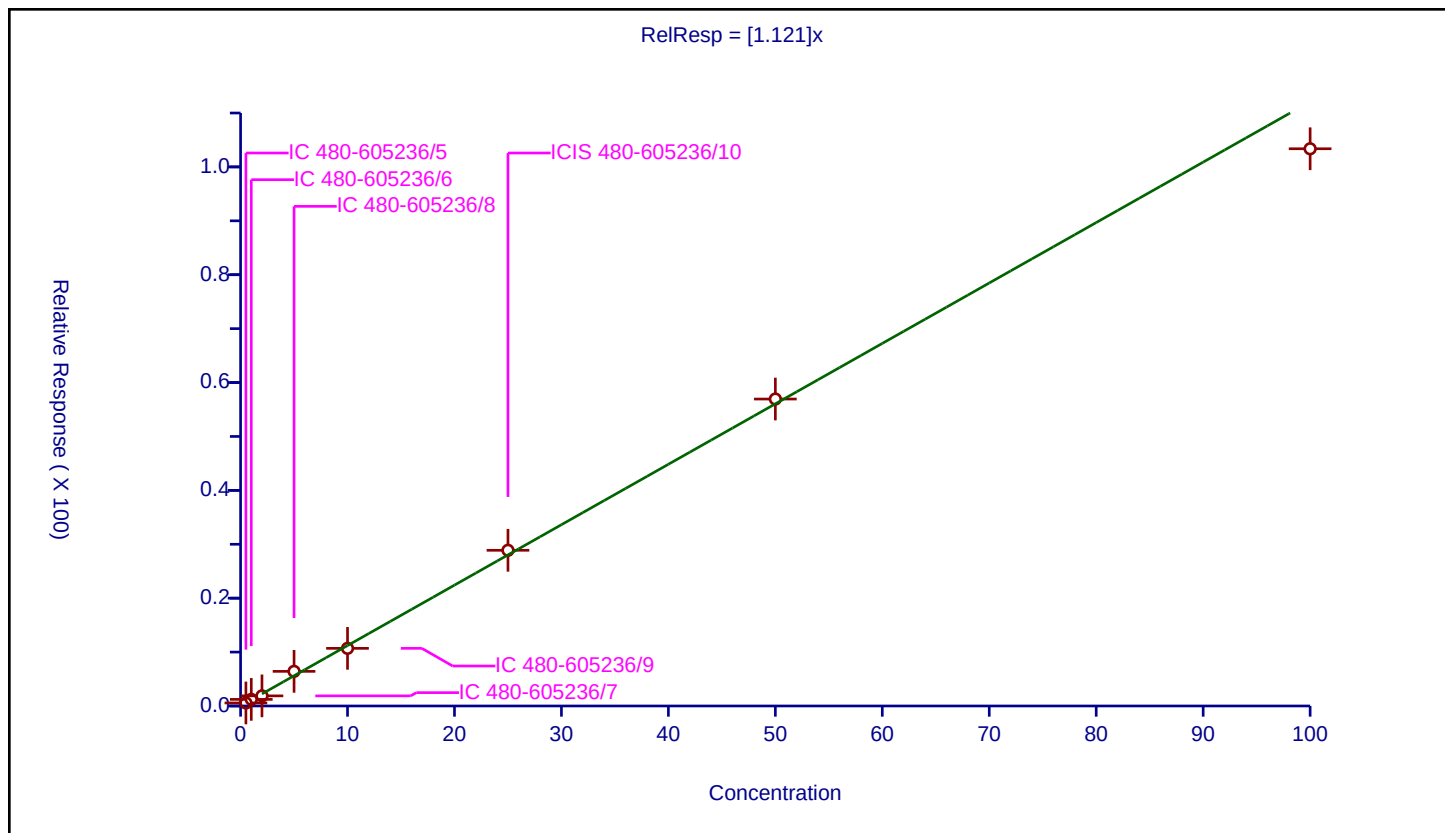
Curve Coefficients

Intercept: 0
 Slope: 1.121

Error Coefficients

Standard Error: 492000
 Relative Standard Error: 9.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.562298	25.0	227904.0	1.124596	Y
2	IC 480-605236/6	1.0	1.22216	25.0	231905.0	1.22216	Y
3	IC 480-605236/7	2.0	1.877188	25.0	228227.0	0.938594	Y
4	IC 480-605236/8	5.0	6.425306	25.0	231203.0	1.285061	Y
5	IC 480-605236/9	10.0	10.694253	25.0	245134.0	1.069425	Y
6	ICIS 480-605236/10	25.0	28.882842	25.0	247409.0	1.155314	Y
7	IC 480-605236/11	50.0	56.938458	25.0	249652.0	1.138769	Y
8	IC 480-605236/12	100.0	103.36877	25.0	272926.0	1.033688	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

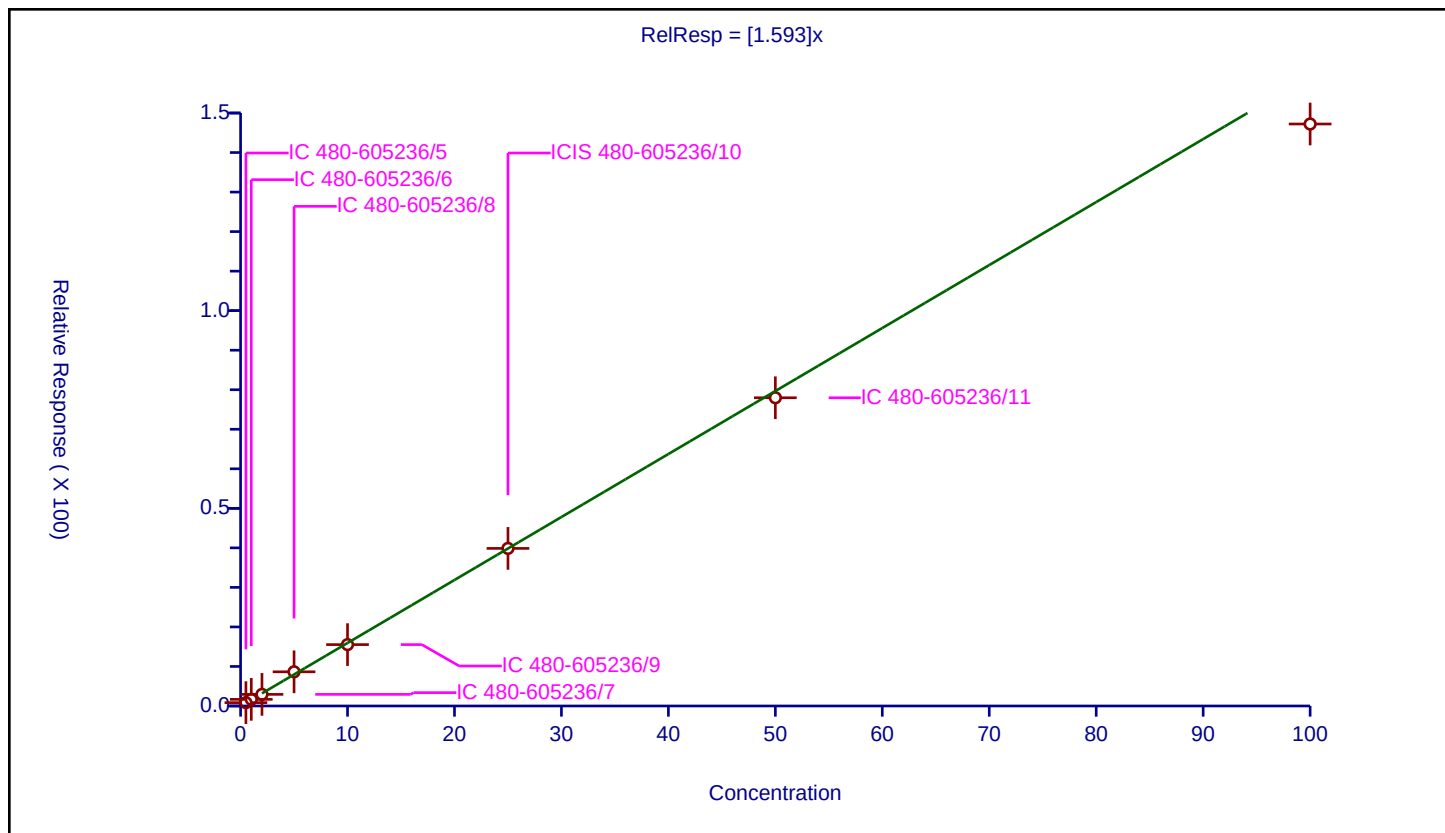
Curve Coefficients

Intercept: 0
 Slope: 1.593

Error Coefficients

Standard Error: 694000
 Relative Standard Error: 6.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.848713	25.0	227904.0	1.697425	Y
2	IC 480-605236/6	1.0	1.67353	25.0	231905.0	1.67353	Y
3	IC 480-605236/7	2.0	2.936002	25.0	228227.0	1.468001	Y
4	IC 480-605236/8	5.0	8.645325	25.0	231203.0	1.729065	Y
5	IC 480-605236/9	10.0	15.525386	25.0	245134.0	1.552539	Y
6	ICIS 480-605236/10	25.0	39.86294	25.0	247409.0	1.594518	Y
7	IC 480-605236/11	50.0	77.968232	25.0	249652.0	1.559365	Y
8	IC 480-605236/12	100.0	147.218843	25.0	272926.0	1.472188	Y



Calibration

/ 2-Butanone (MEK)

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

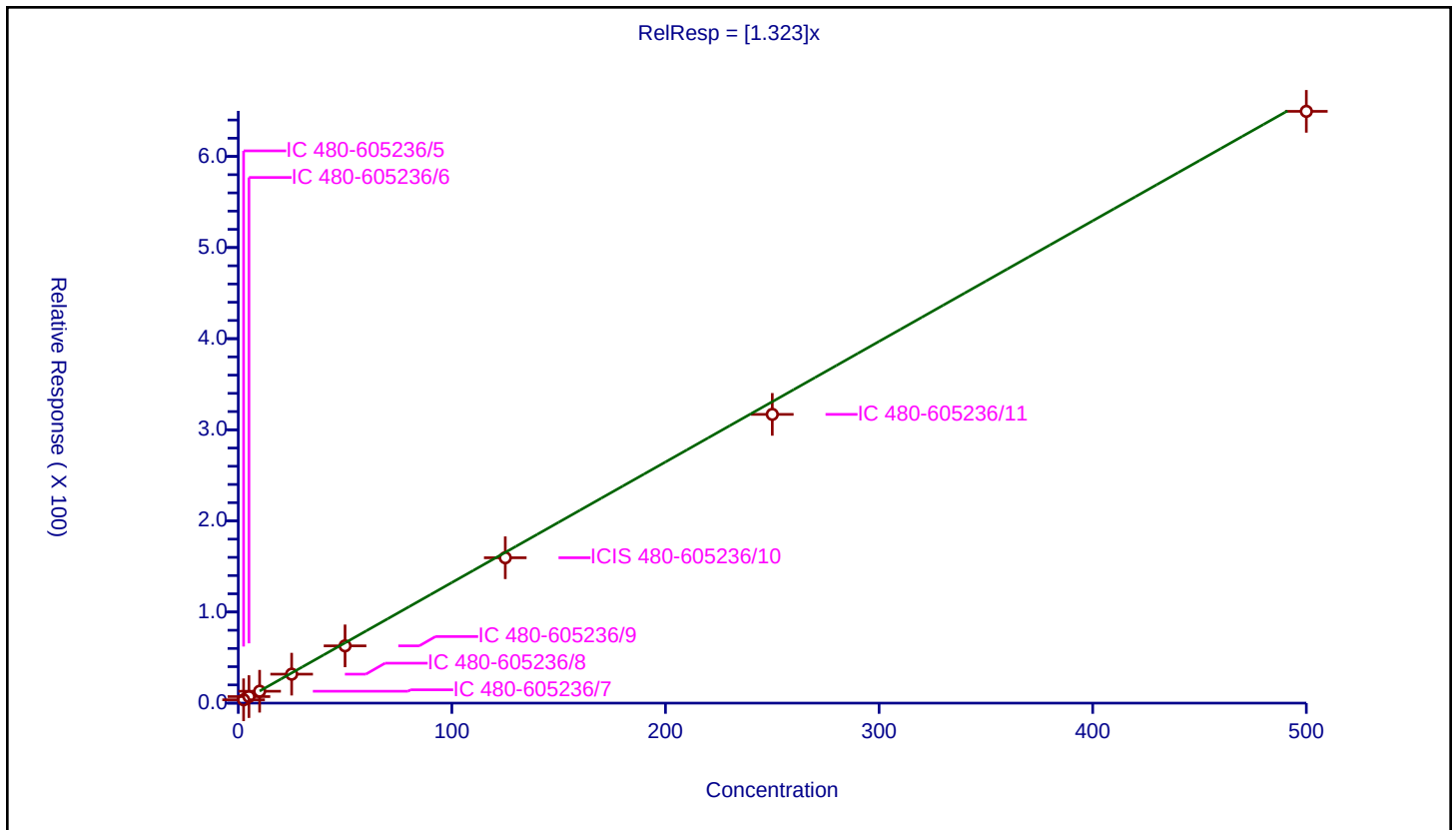
Curve Coefficients

Intercept: 0
 Slope: 1.323

Error Coefficients

Standard Error: 3010000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	2.5	3.677426	25.0	227904.0	1.47097	Y
2	IC 480-605236/6	5.0	7.1843	25.0	231905.0	1.43686	Y
3	IC 480-605236/7	10.0	13.065172	25.0	228227.0	1.306517	Y
4	IC 480-605236/8	25.0	31.796084	25.0	231203.0	1.271843	Y
5	IC 480-605236/9	50.0	62.868676	25.0	245134.0	1.257374	Y
6	ICIS 480-605236/10	125.0	159.544924	25.0	247409.0	1.276359	Y
7	IC 480-605236/11	250.0	316.909438	25.0	249652.0	1.267638	Y
8	IC 480-605236/12	500.0	649.500231	25.0	272926.0	1.299	Y



Calibration

/ Chlorobromomethane

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

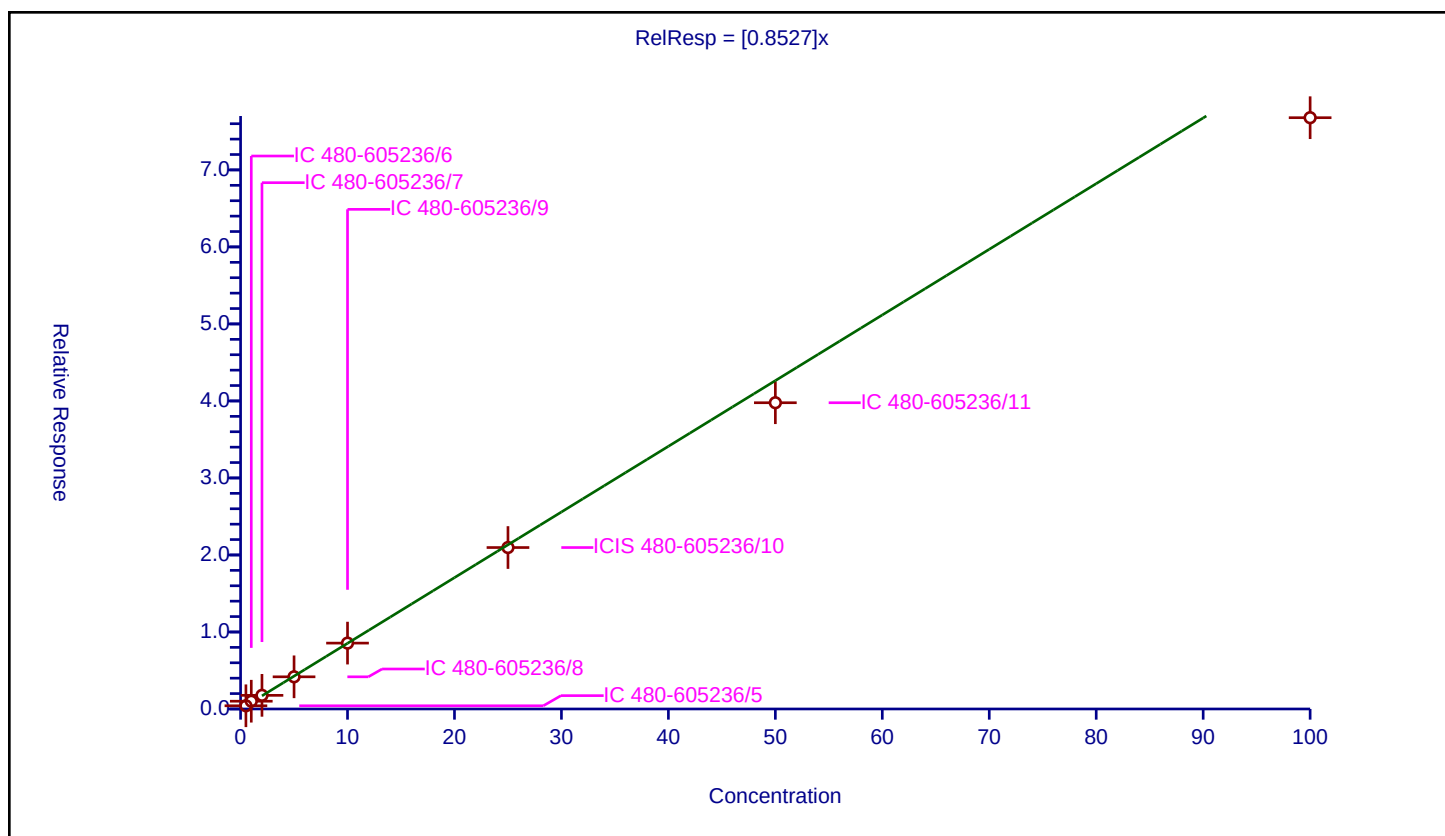
Curve Coefficients

Intercept: 0
 Slope: 0.8527

Error Coefficients

Standard Error: 361000
 Relative Standard Error: 8.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.417062	25.0	227904.0	0.834123	Y
2	IC 480-605236/6	1.0	1.009681	25.0	231905.0	1.009681	Y
3	IC 480-605236/7	2.0	1.771153	25.0	228227.0	0.885577	Y
4	IC 480-605236/8	5.0	4.1762	25.0	231203.0	0.83524	Y
5	IC 480-605236/9	10.0	8.555423	25.0	245134.0	0.855542	Y
6	ICIS 480-605236/10	25.0	20.964981	25.0	247409.0	0.838599	Y
7	IC 480-605236/11	50.0	39.769659	25.0	249652.0	0.795393	Y
8	IC 480-605236/12	100.0	76.783267	25.0	272926.0	0.767833	Y



Calibration

/ Tetrahydrofuran

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

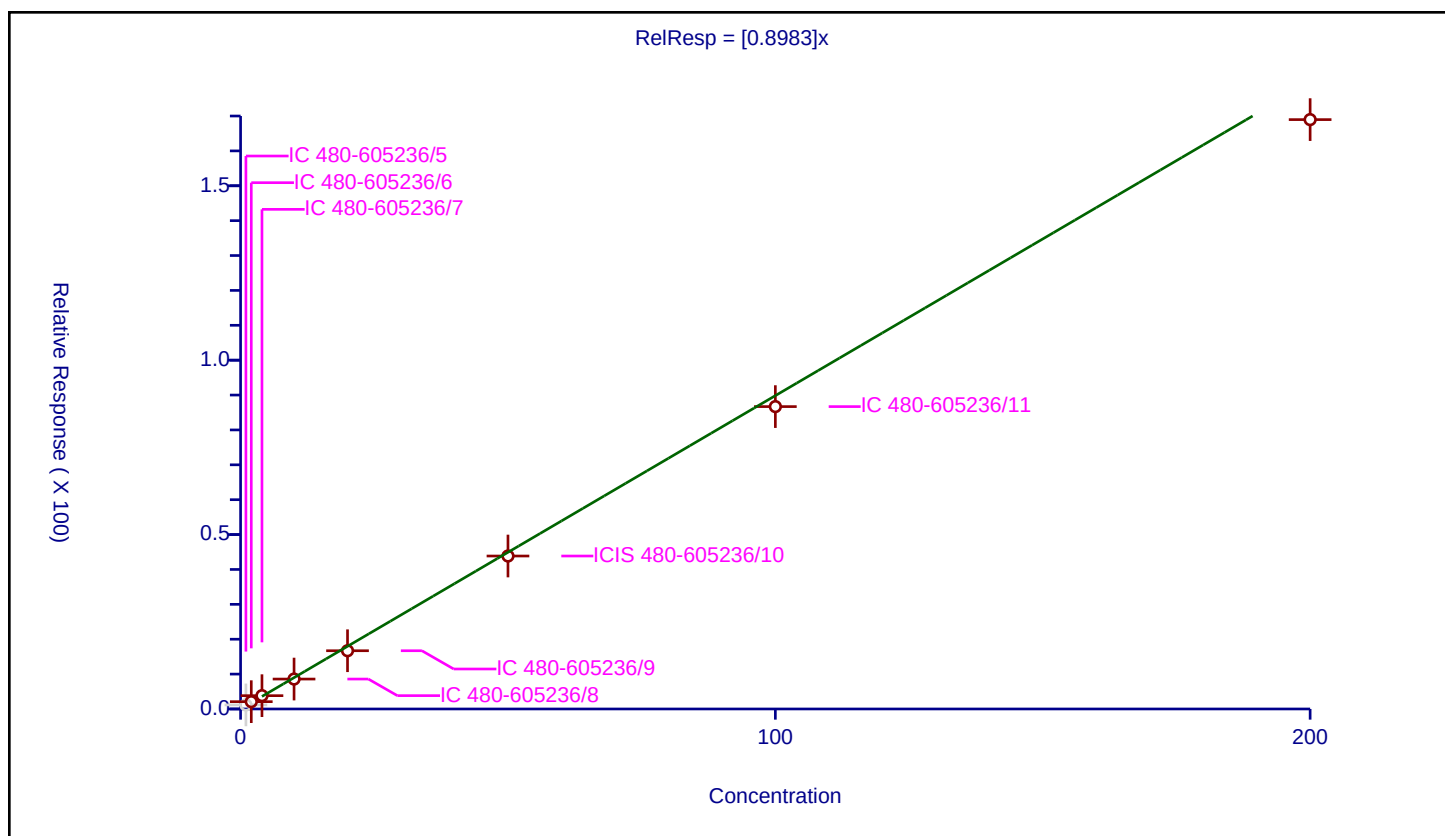
Curve Coefficients

Intercept: 0
 Slope: 0.8983

Error Coefficients

Standard Error: 854000
 Relative Standard Error: 8.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	1.0	1.172533	25.0	227904.0	1.172533	N
2	IC 480-605236/6	2.0	2.100537	25.0	231905.0	1.050268	Y
3	IC 480-605236/7	4.0	3.821524	25.0	228227.0	0.955381	Y
4	IC 480-605236/8	10.0	8.584015	25.0	231203.0	0.858401	Y
5	IC 480-605236/9	20.0	16.702497	25.0	245134.0	0.835125	Y
6	ICIS 480-605236/10	50.0	43.859156	25.0	247409.0	0.877183	Y
7	IC 480-605236/11	100.0	86.694979	25.0	249652.0	0.86695	Y
8	IC 480-605236/12	200.0	168.96439	25.0	272926.0	0.844822	Y



Calibration

/ Chloroform

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

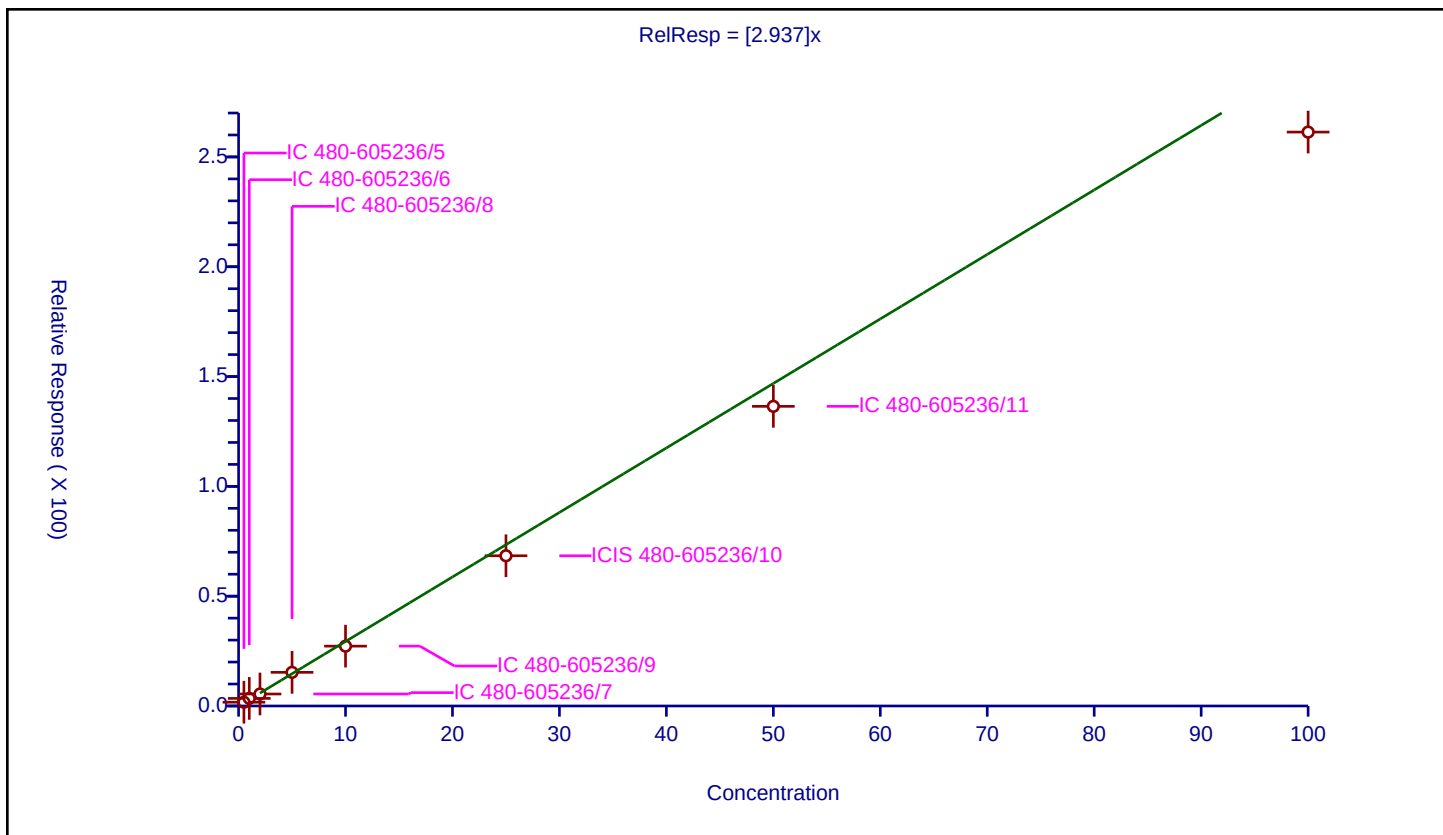
Curve Coefficients

Intercept: 0
 Slope: 2.937

Error Coefficients

Standard Error: 1230000
 Relative Standard Error: 11.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.723423	25.0	227904.0	3.446846	Y
2	IC 480-605236/6	1.0	3.453893	25.0	231905.0	3.453893	Y
3	IC 480-605236/7	2.0	5.460572	25.0	228227.0	2.730286	Y
4	IC 480-605236/8	5.0	15.315329	25.0	231203.0	3.063066	Y
5	IC 480-605236/9	10.0	27.258765	25.0	245134.0	2.725876	Y
6	ICIS 480-605236/10	25.0	68.40889	25.0	247409.0	2.736356	Y
7	IC 480-605236/11	50.0	136.436219	25.0	249652.0	2.728724	Y
8	IC 480-605236/12	100.0	261.323765	25.0	272926.0	2.613238	Y



Calibration

/ 1,1,1-Trichloroethane

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

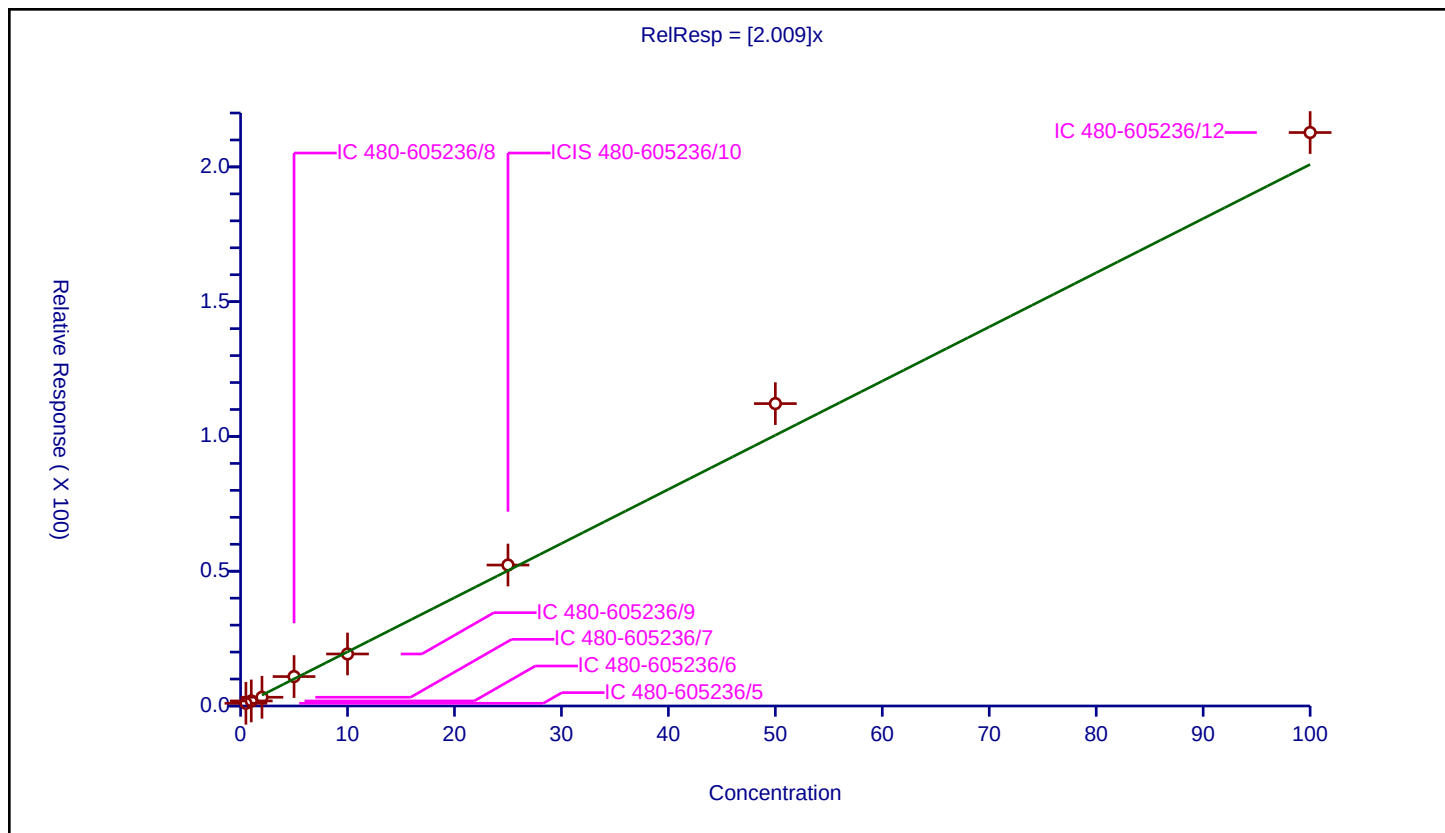
Curve Coefficients

Intercept: 0
 Slope: 2.009

Error Coefficients

Standard Error: 997000
 Relative Standard Error: 10.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.001957	25.0	227904.0	2.003914	Y
2	IC 480-605236/6	1.0	1.873181	25.0	231905.0	1.873181	Y
3	IC 480-605236/7	2.0	3.238442	25.0	228227.0	1.619221	Y
4	IC 480-605236/8	5.0	10.920057	25.0	231203.0	2.184011	Y
5	IC 480-605236/9	10.0	19.29924	25.0	245134.0	1.929924	Y
6	ICIS 480-605236/10	25.0	52.294884	25.0	247409.0	2.091795	Y
7	IC 480-605236/11	50.0	112.189568	25.0	249652.0	2.243791	Y
8	IC 480-605236/12	100.0	212.758037	25.0	272926.0	2.12758	Y



Calibration

/ Cyclohexane

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

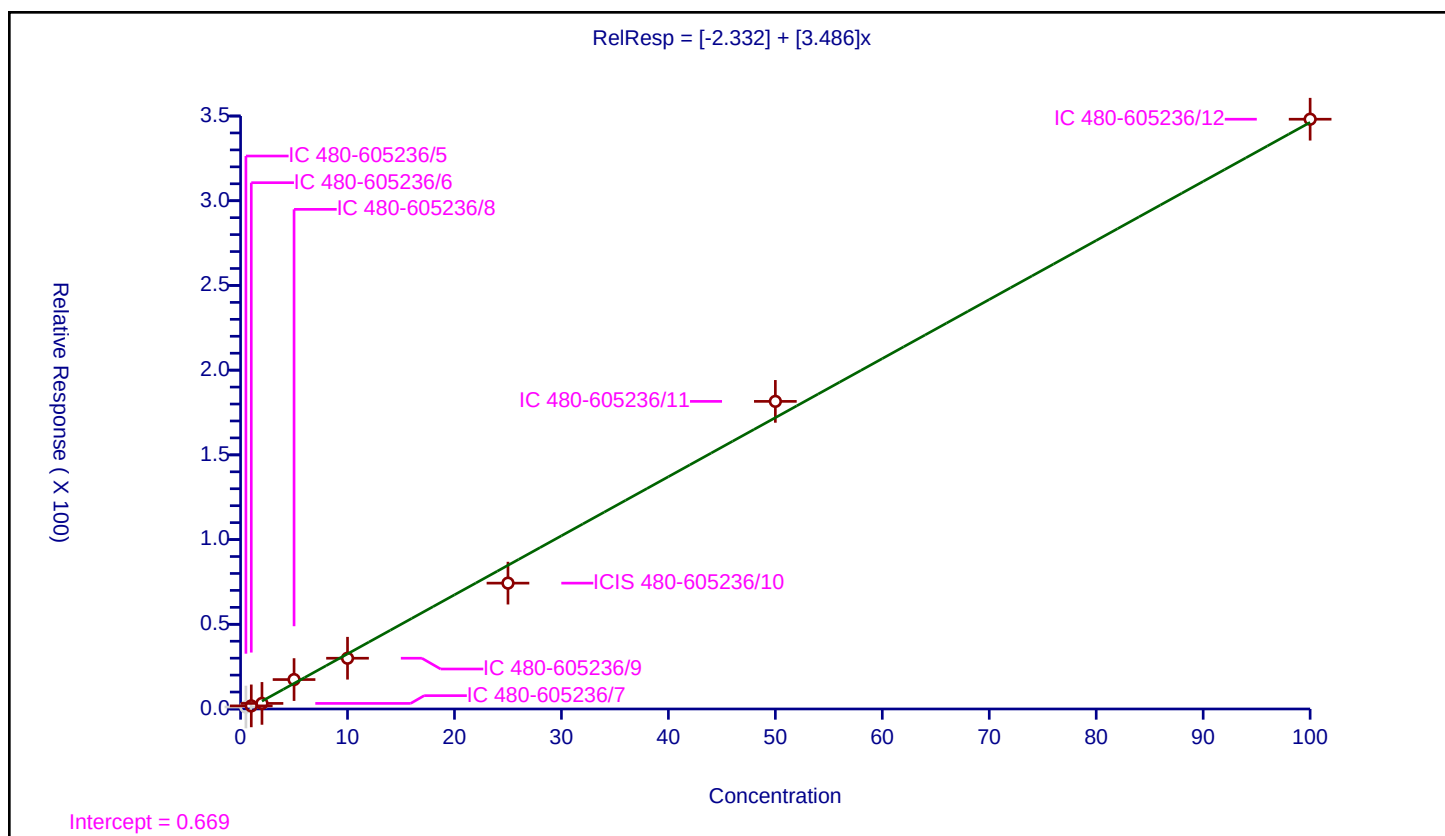
Curve Coefficients

Intercept: -2.332
Slope: 3.486

Error Coefficients

Standard Error: 1920000
Relative Standard Error: 15.2
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.16299	25.0	227904.0	2.325979	N
2	IC 480-605236/6	1.0	1.836312	25.0	231905.0	1.836312	Y
3	IC 480-605236/7	2.0	3.300333	25.0	228227.0	1.650166	Y
4	IC 480-605236/8	5.0	17.368719	25.0	231203.0	3.473744	Y
5	IC 480-605236/9	10.0	29.955555	25.0	245134.0	2.995555	Y
6	ICIS 480-605236/10	25.0	74.290648	25.0	247409.0	2.971626	Y
7	IC 480-605236/11	50.0	181.565439	25.0	249652.0	3.631309	Y
8	IC 480-605236/12	100.0	348.113408	25.0	272926.0	3.481134	Y



Calibration

/ Dibromofluoromethane (Surr)

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

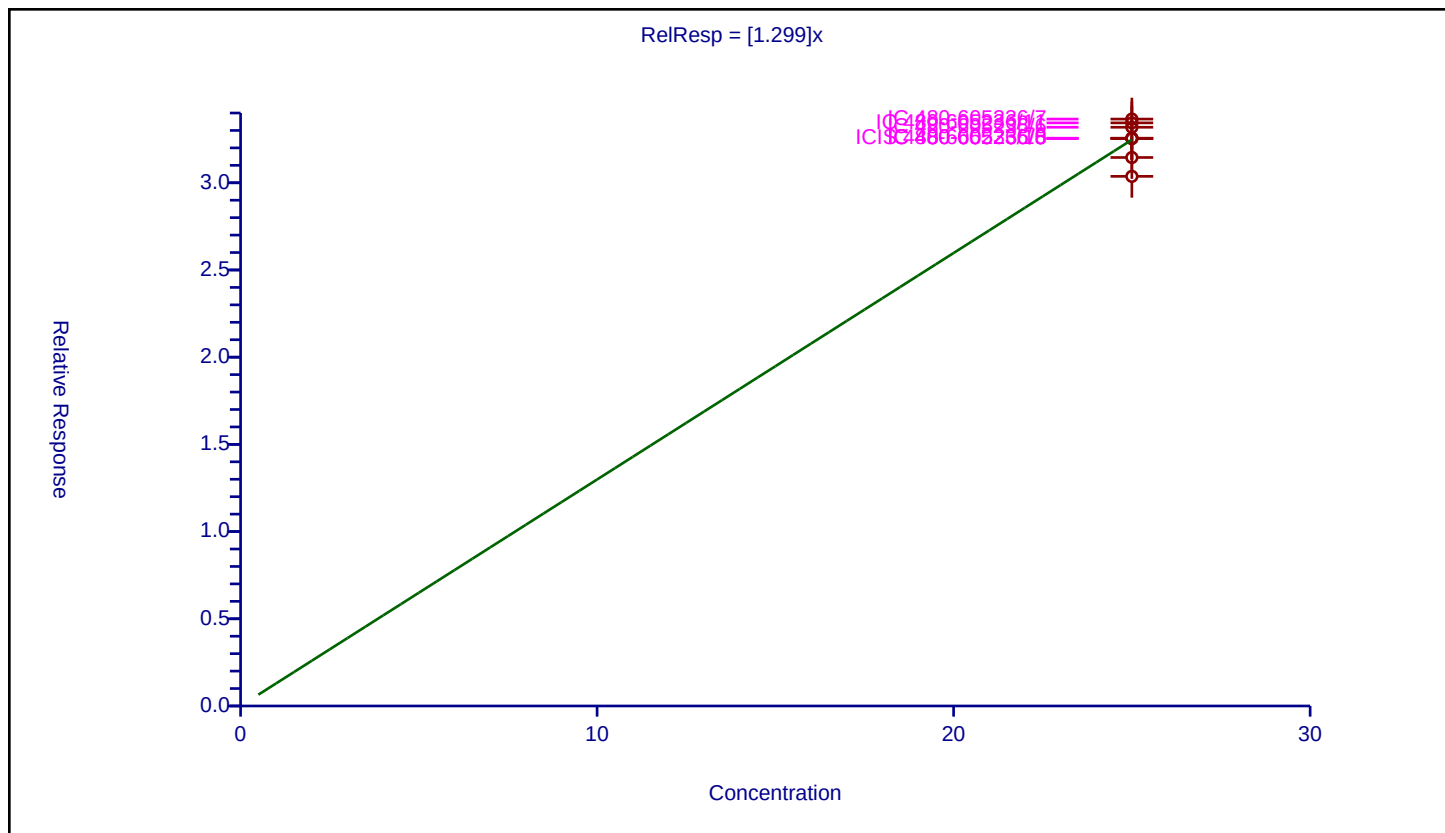
Curve Coefficients

Intercept: 0
 Slope: 1.299

Error Coefficients

Standard Error: 335000
 Relative Standard Error: 3.4
 Correlation Coefficient: 0
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	25.0	32.539139	25.0	227904.0	1.301566	Y
2	IC 480-605236/6	25.0	33.183092	25.0	231905.0	1.327324	Y
3	IC 480-605236/7	25.0	33.65246	25.0	228227.0	1.346098	Y
4	IC 480-605236/8	25.0	32.5411	25.0	231203.0	1.301644	Y
5	IC 480-605236/9	25.0	31.449636	25.0	245134.0	1.257985	Y
6	ICIS 480-605236/10	25.0	32.557021	25.0	247409.0	1.302281	Y
7	IC 480-605236/11	25.0	33.43374	25.0	249652.0	1.33735	Y
8	IC 480-605236/12	25.0	30.369221	25.0	272926.0	1.214769	Y



Calibration

/ Carbon tetrachloride

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

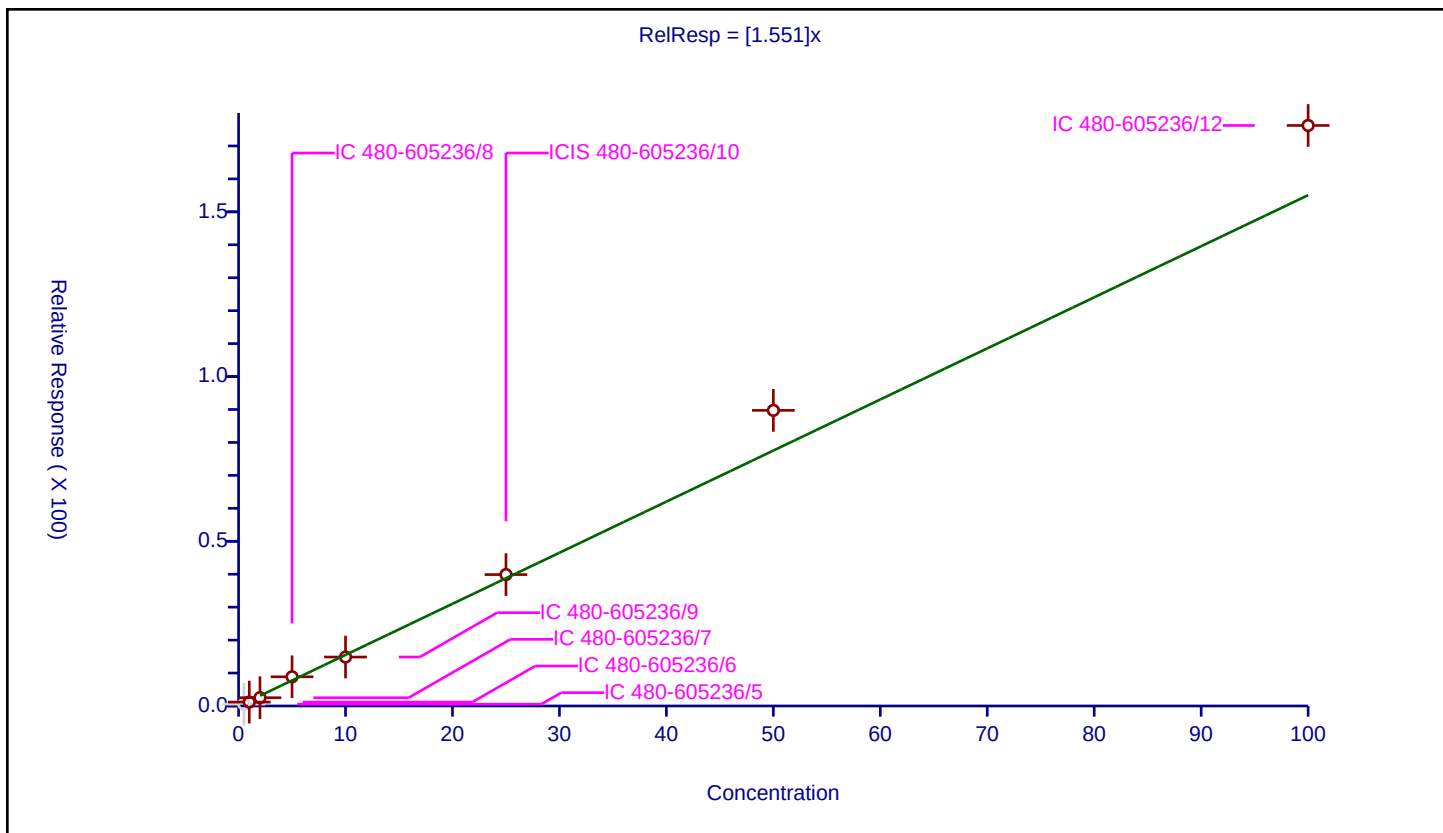
Curve Coefficients

Intercept: 0
 Slope: 1.551

Error Coefficients

Standard Error: 884000
 Relative Standard Error: 16.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.555716	25.0	227904.0	1.111433	N
2	IC 480-605236/6	1.0	1.18928	25.0	231905.0	1.18928	Y
3	IC 480-605236/7	2.0	2.51022	25.0	228227.0	1.25511	Y
4	IC 480-605236/8	5.0	8.8578	25.0	231203.0	1.77156	Y
5	IC 480-605236/9	10.0	14.860954	25.0	245134.0	1.486095	Y
6	ICIS 480-605236/10	25.0	39.891031	25.0	247409.0	1.595641	Y
7	IC 480-605236/11	50.0	89.732808	25.0	249652.0	1.794656	Y
8	IC 480-605236/12	100.0	176.21947	25.0	272926.0	1.762195	Y



Calibration

/ 1,1-Dichloropropene

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

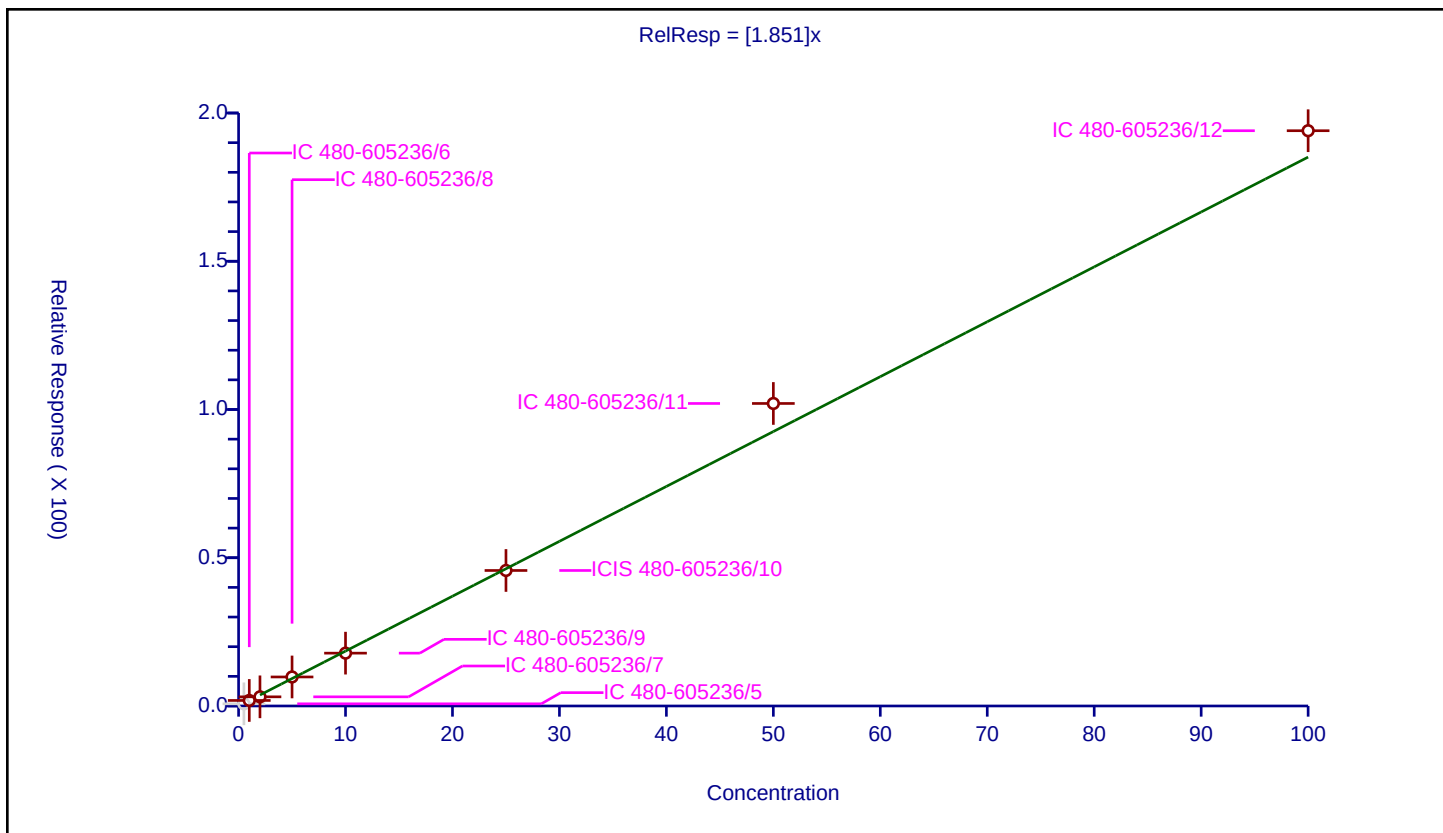
Curve Coefficients

Intercept: 0
 Slope: 1.851

Error Coefficients

Standard Error: 981000
 Relative Standard Error: 8.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.731997	25.0	227904.0	1.463994	N
2	IC 480-605236/6	1.0	1.862077	25.0	231905.0	1.862077	Y
3	IC 480-605236/7	2.0	3.093411	25.0	228227.0	1.546706	Y
4	IC 480-605236/8	5.0	9.794639	25.0	231203.0	1.958928	Y
5	IC 480-605236/9	10.0	17.821171	25.0	245134.0	1.782117	Y
6	ICIS 480-605236/10	25.0	45.70529	25.0	247409.0	1.828212	Y
7	IC 480-605236/11	50.0	102.032529	25.0	249652.0	2.040651	Y
8	IC 480-605236/12	100.0	194.029609	25.0	272926.0	1.940296	Y



Calibration

/ 1,2-Dichloroethane-d4 (Surr)

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

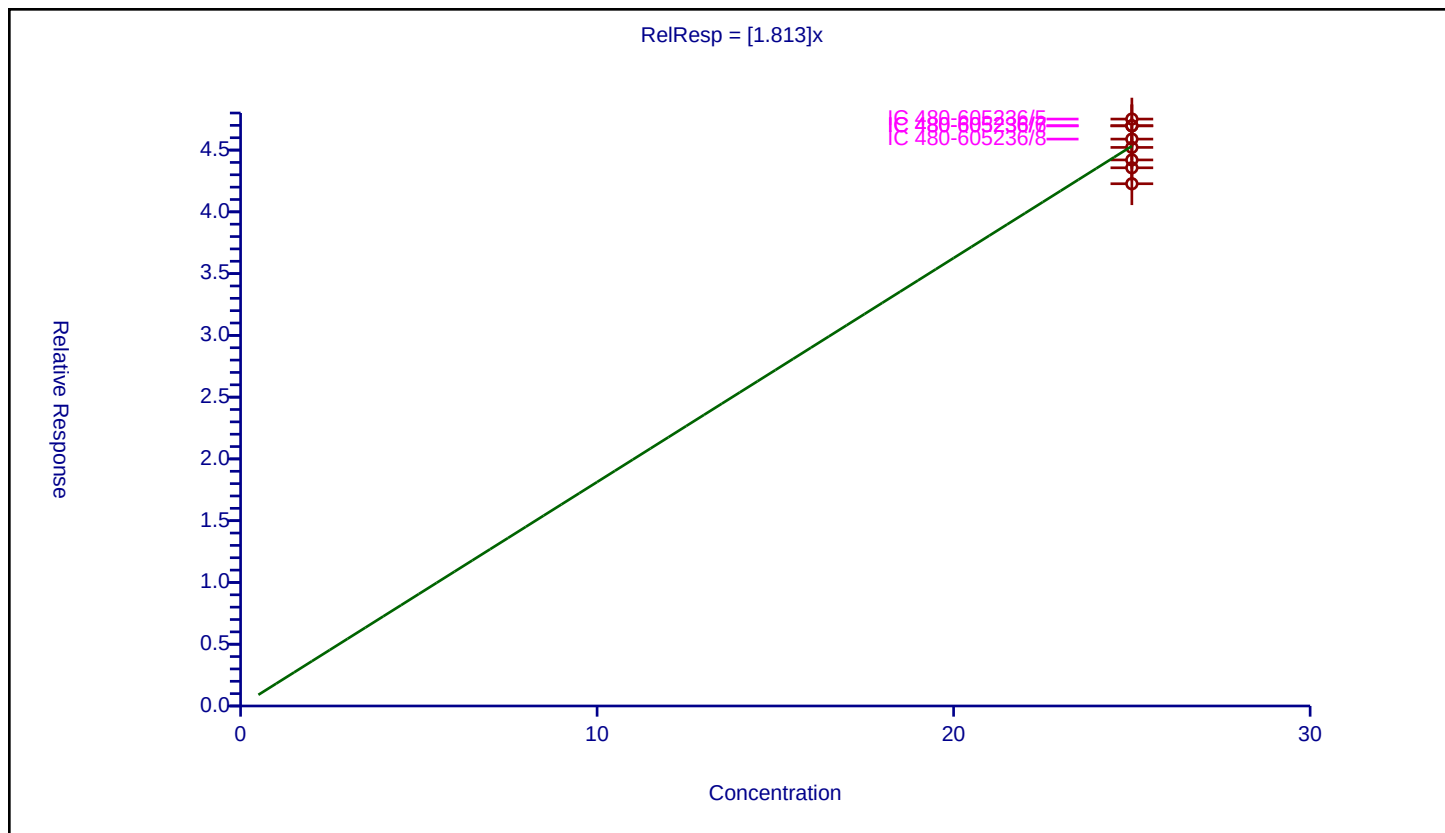
Curve Coefficients

Intercept: 0
 Slope: 1.813

Error Coefficients

Standard Error: 468000
 Relative Standard Error: 4.1
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	25.0	47.510355	25.0	227904.0	1.900414	Y
2	IC 480-605236/6	25.0	46.967185	25.0	231905.0	1.878687	Y
3	IC 480-605236/7	25.0	46.960811	25.0	228227.0	1.878432	Y
4	IC 480-605236/8	25.0	45.887813	25.0	231203.0	1.835513	Y
5	IC 480-605236/9	25.0	45.21578	25.0	245134.0	1.808631	Y
6	ICIS 480-605236/10	25.0	44.20201	25.0	247409.0	1.76808	Y
7	IC 480-605236/11	25.0	43.566945	25.0	249652.0	1.742678	Y
8	IC 480-605236/12	25.0	42.276295	25.0	272926.0	1.691052	Y



Calibration

/ Benzene

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

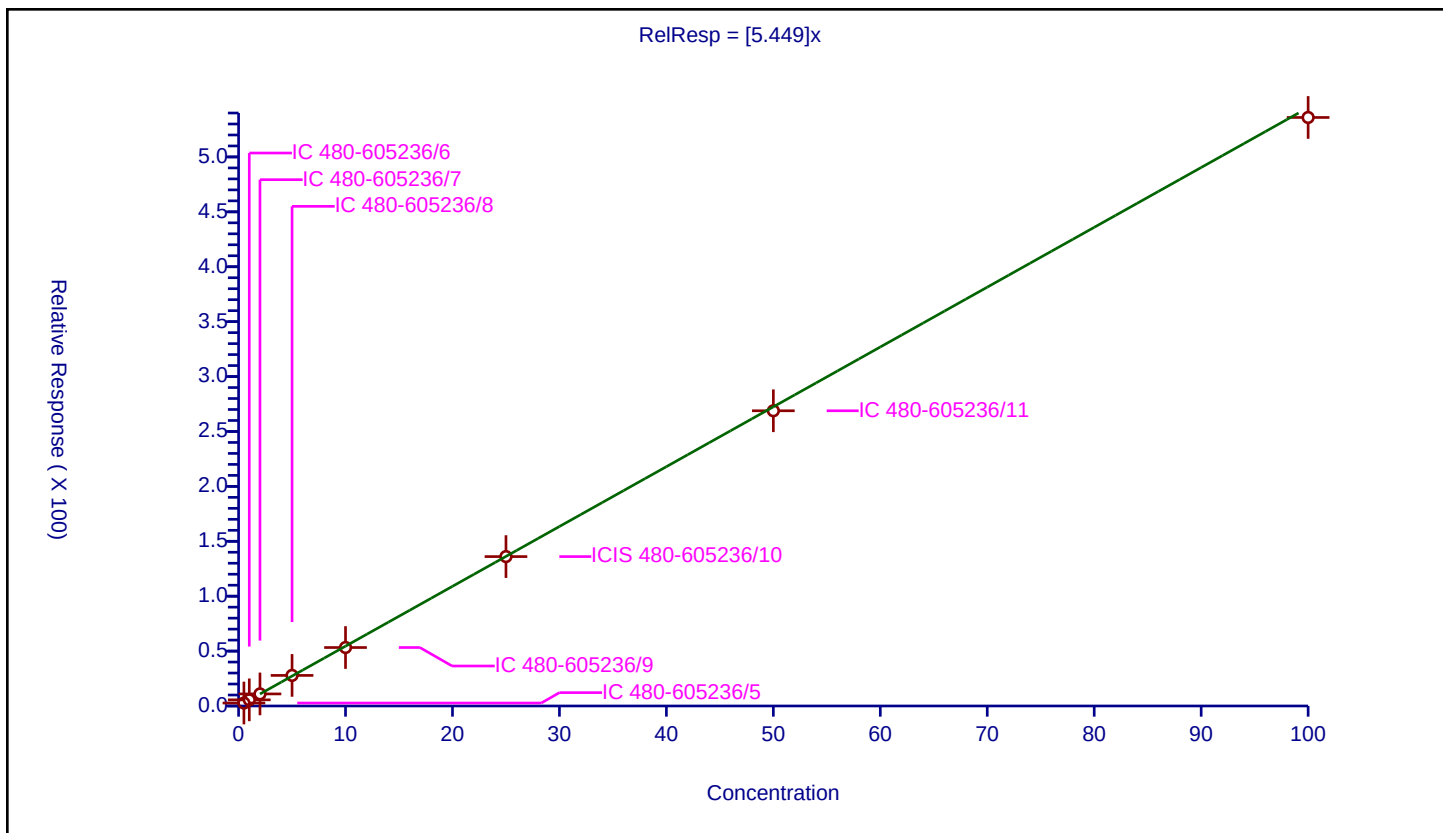
Curve Coefficients

Intercept: 0
Slope: 5.449

Error Coefficients

Standard Error: 2500000
Relative Standard Error: 1.9
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	2.706732	25.0	227904.0	5.413464	Y
2	IC 480-605236/6	1.0	5.607253	25.0	231905.0	5.607253	Y
3	IC 480-605236/7	2.0	10.988402	25.0	228227.0	5.494201	Y
4	IC 480-605236/8	5.0	27.852364	25.0	231203.0	5.570473	Y
5	IC 480-605236/9	10.0	53.250671	25.0	245134.0	5.325067	Y
6	ICIS 480-605236/10	25.0	136.060834	25.0	247409.0	5.442433	Y
7	IC 480-605236/11	50.0	268.851641	25.0	249652.0	5.377033	Y
8	IC 480-605236/12	100.0	535.933367	25.0	272926.0	5.359334	Y



Calibration

/ Isobutyl alcohol

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

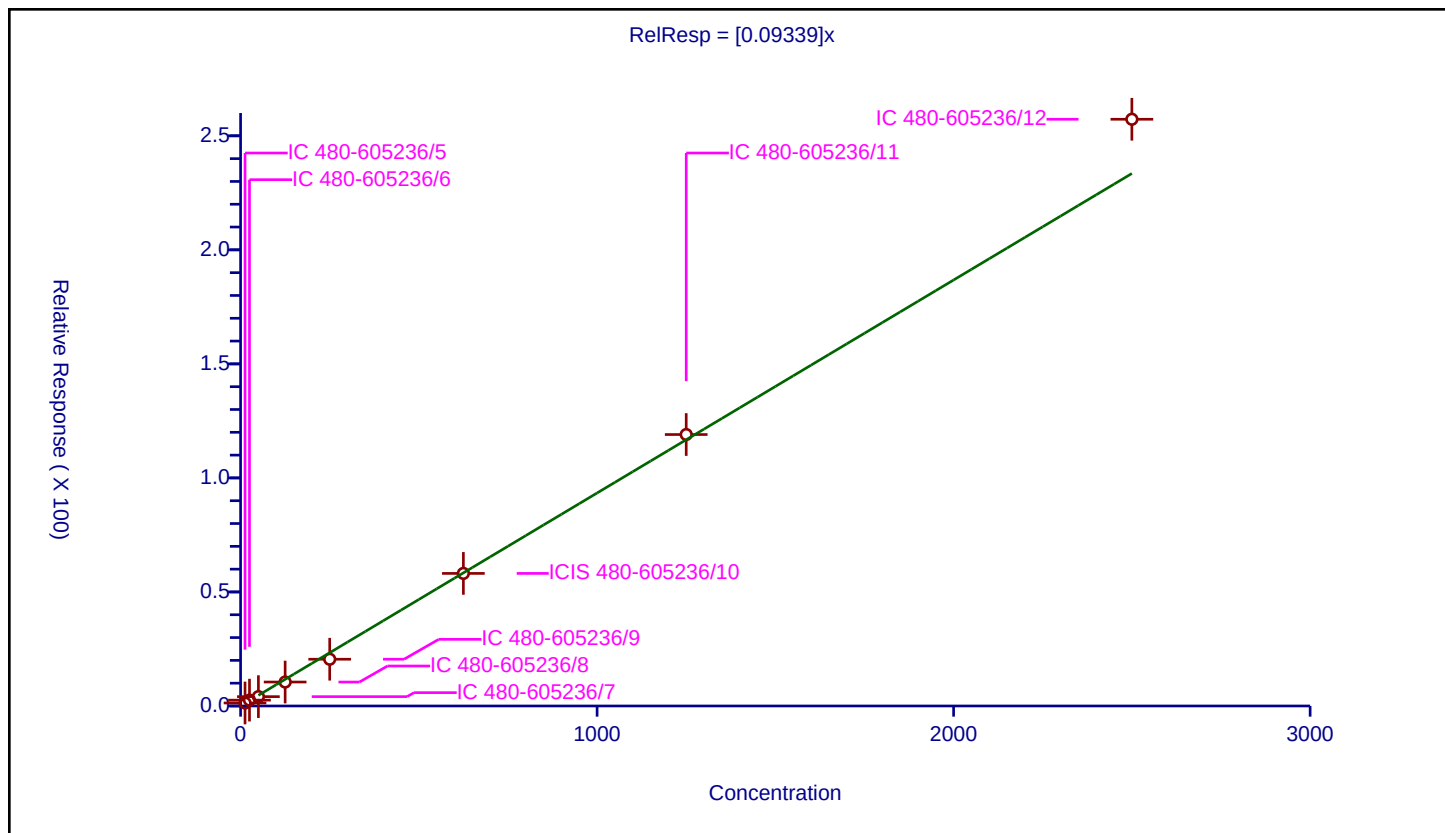
Curve Coefficients

Intercept: 0
 Slope: 0.09339

Error Coefficients

Standard Error: 1180000
 Relative Standard Error: 10.5
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	12.5	1.318428	25.0	227904.0	0.105474	Y
2	IC 480-605236/6	25.0	2.561286	25.0	231905.0	0.102451	Y
3	IC 480-605236/7	50.0	4.102166	25.0	228227.0	0.082043	Y
4	IC 480-605236/8	125.0	10.500729	25.0	231203.0	0.084006	Y
5	IC 480-605236/9	250.0	20.506335	25.0	245134.0	0.082025	Y
6	ICIS 480-605236/10	625.0	58.133496	25.0	247409.0	0.093014	Y
7	IC 480-605236/11	1250.0	119.021077	25.0	249652.0	0.095217	Y
8	IC 480-605236/12	2500.0	257.259843	25.0	272926.0	0.102904	Y



Calibration

/ 1,2-Dichloroethane

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

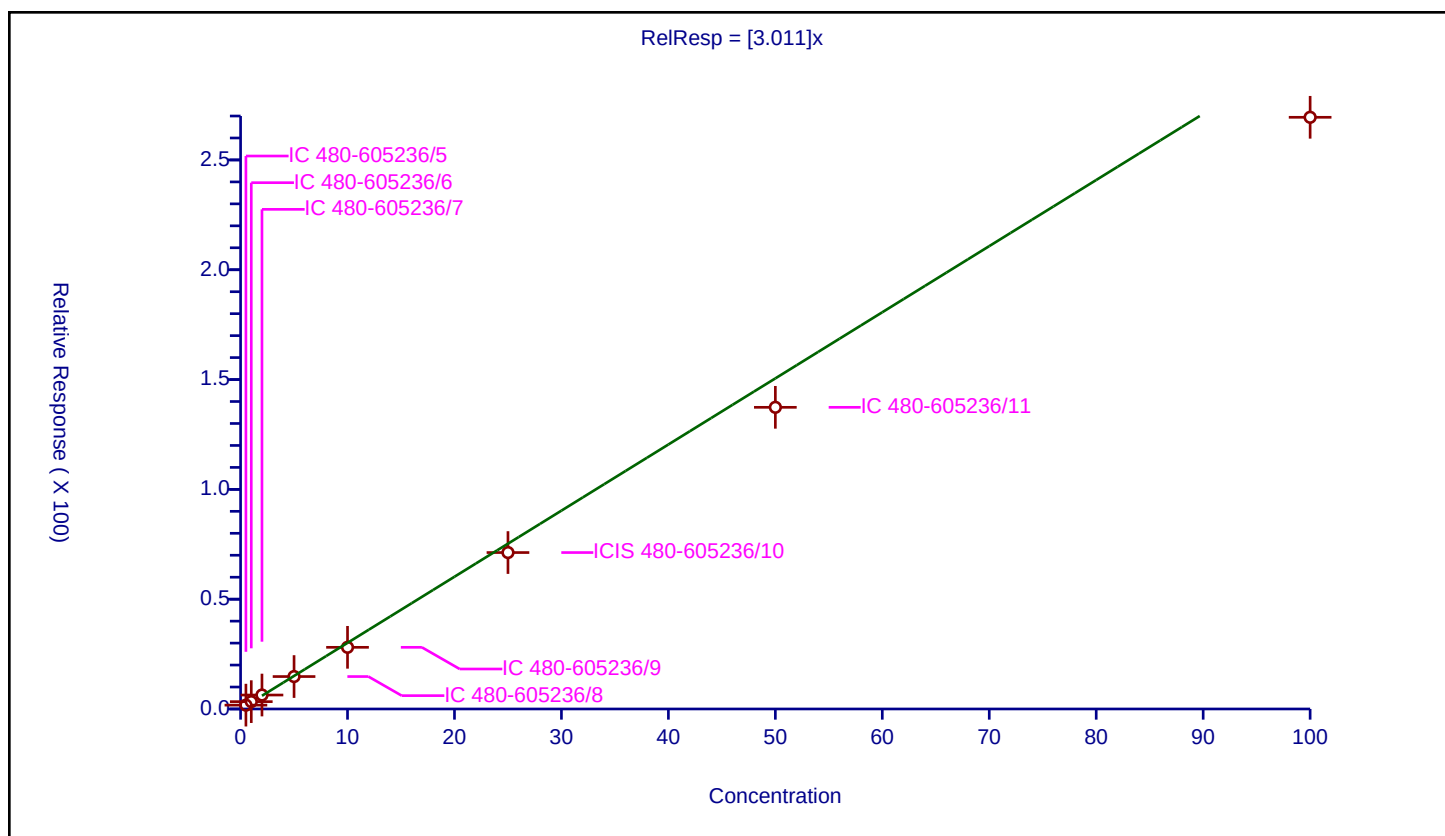
Curve Coefficients

Intercept: 0
 Slope: 3.011

Error Coefficients

Standard Error: 1260000
 Relative Standard Error: 10.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.757867	25.0	227904.0	3.515735	Y
2	IC 480-605236/6	1.0	3.341131	25.0	231905.0	3.341131	Y
3	IC 480-605236/7	2.0	6.353652	25.0	228227.0	3.176826	Y
4	IC 480-605236/8	5.0	14.767218	25.0	231203.0	2.953444	Y
5	IC 480-605236/9	10.0	28.083824	25.0	245134.0	2.808382	Y
6	ICIS 480-605236/10	25.0	71.229321	25.0	247409.0	2.849173	Y
7	IC 480-605236/11	50.0	137.360906	25.0	249652.0	2.747218	Y
8	IC 480-605236/12	100.0	269.419641	25.0	272926.0	2.694196	Y



Calibration

/ n-Heptane

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

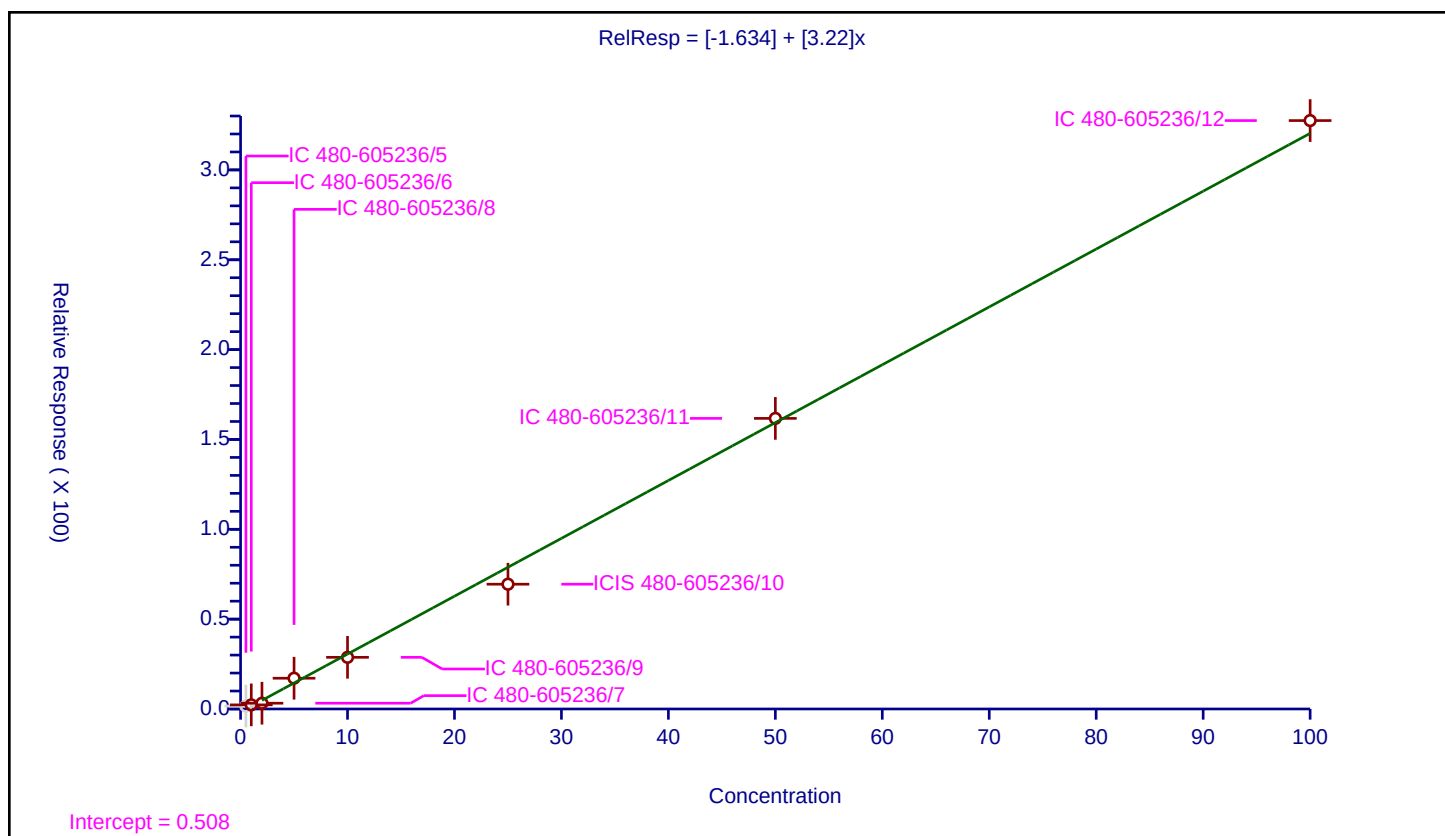
Curve Coefficients

Intercept: -1.634
 Slope: 3.22

Error Coefficients

Standard Error: 1790000
 Relative Standard Error: 17.5
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.61998	25.0	227904.0	3.239961	N
2	IC 480-605236/6	1.0	2.288976	25.0	231905.0	2.288976	Y
3	IC 480-605236/7	2.0	3.217849	25.0	228227.0	1.608924	Y
4	IC 480-605236/8	5.0	17.118939	25.0	231203.0	3.423788	Y
5	IC 480-605236/9	10.0	28.748766	25.0	245134.0	2.874877	Y
6	ICIS 480-605236/10	25.0	69.441795	25.0	247409.0	2.777672	Y
7	IC 480-605236/11	50.0	161.729127	25.0	249652.0	3.234583	Y
8	IC 480-605236/12	100.0	327.462755	25.0	272926.0	3.274628	Y



Calibration

/ Trichloroethene

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

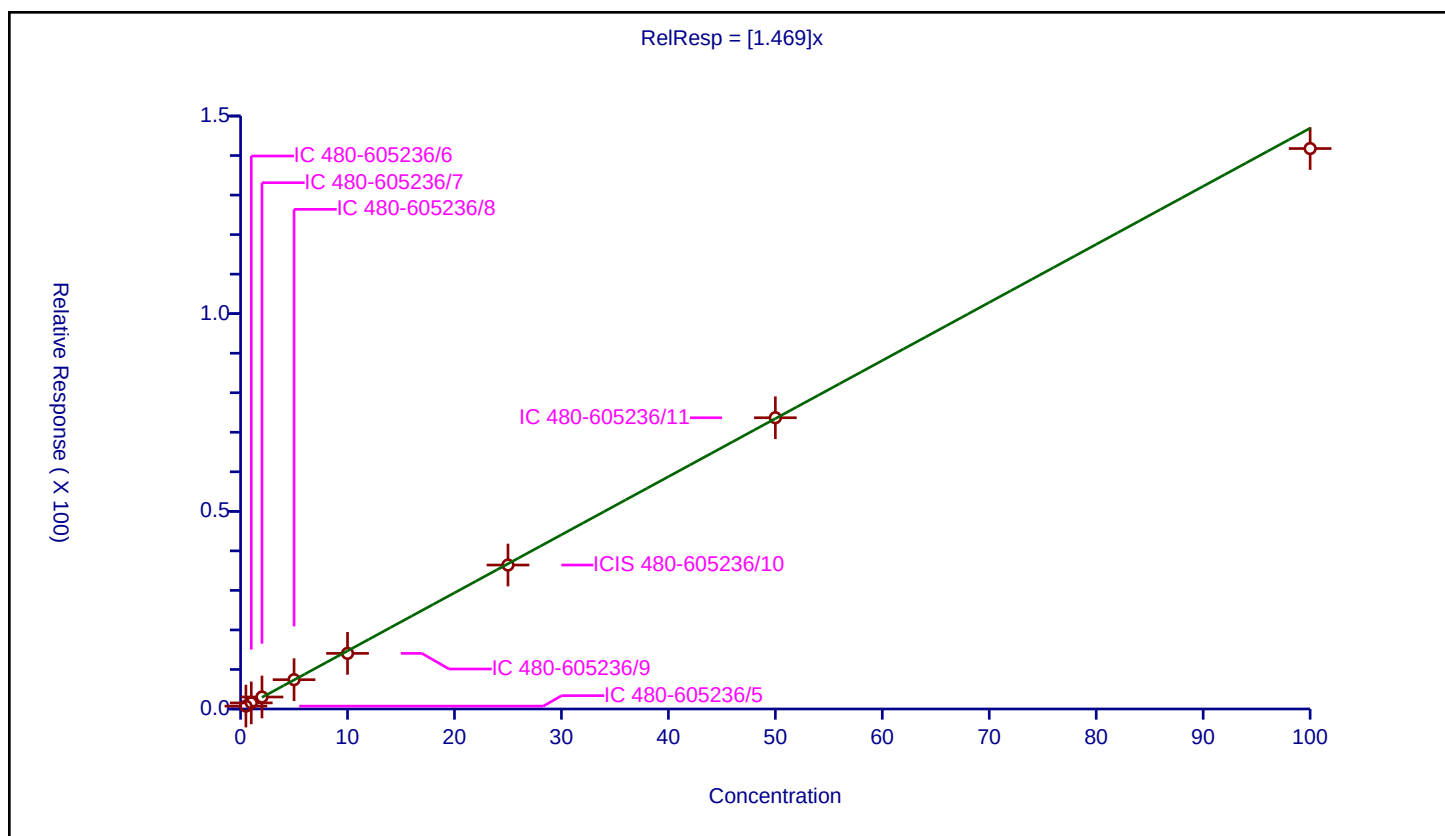
Curve Coefficients

Intercept: 0
Slope: 1.469

Error Coefficients

Standard Error: 664000
Relative Standard Error: 3.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.728267	25.0	227904.0	1.456534	Y
2	IC 480-605236/6	1.0	1.544598	25.0	231905.0	1.544598	Y
3	IC 480-605236/7	2.0	3.030645	25.0	228227.0	1.515322	Y
4	IC 480-605236/8	5.0	7.412534	25.0	231203.0	1.482507	Y
5	IC 480-605236/9	10.0	14.065572	25.0	245134.0	1.406557	Y
6	ICIS 480-605236/10	25.0	36.413287	25.0	247409.0	1.456531	Y
7	IC 480-605236/11	50.0	73.673554	25.0	249652.0	1.473471	Y
8	IC 480-605236/12	100.0	141.769014	25.0	272926.0	1.41769	Y



Calibration

/ Methylcyclohexane

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

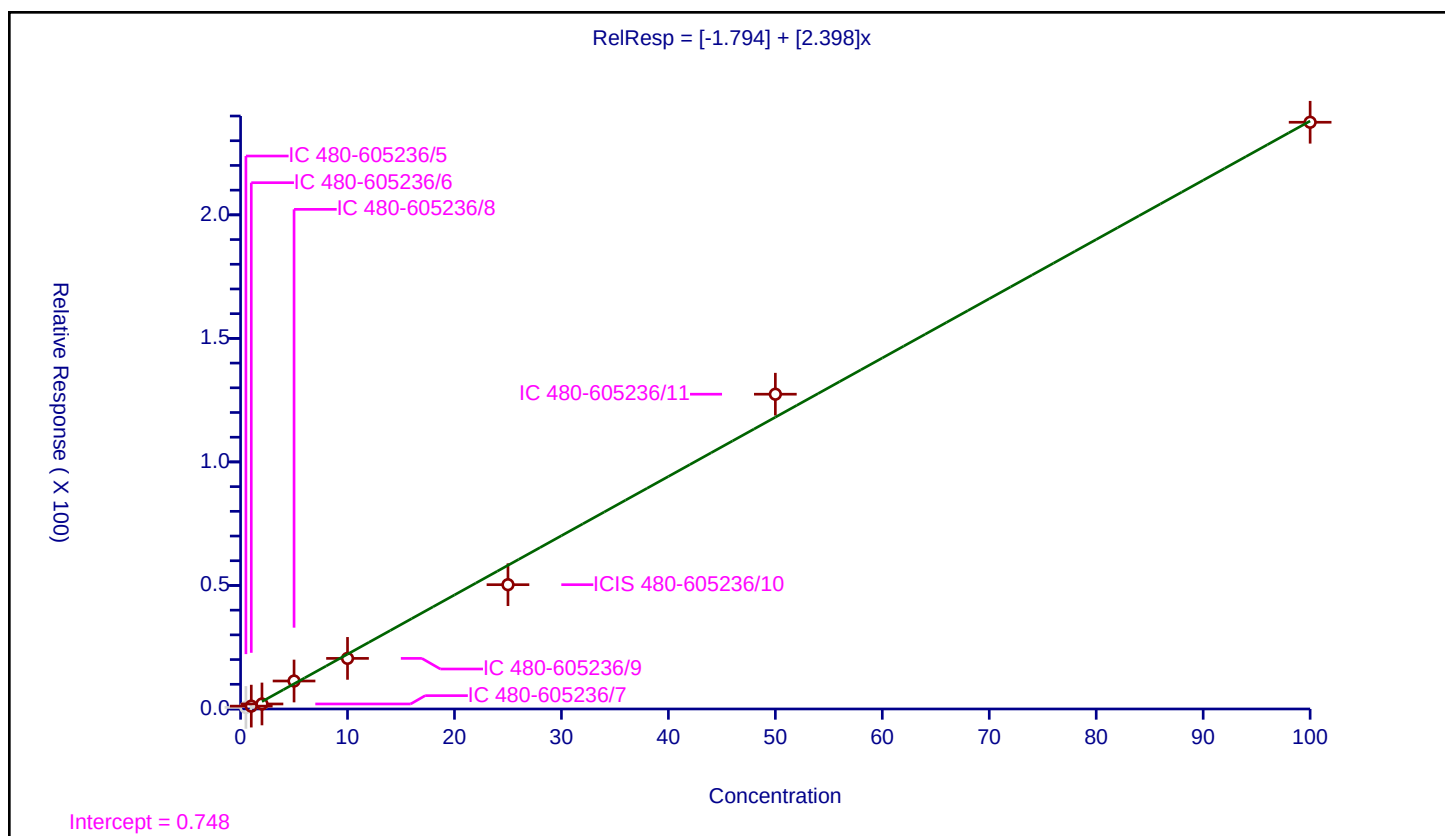
Curve Coefficients

Intercept: -1.794
 Slope: 2.398

Error Coefficients

Standard Error: 1310000
 Relative Standard Error: 16.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.621972	25.0	227904.0	1.243945	N
2	IC 480-605236/6	1.0	1.164809	25.0	231905.0	1.164809	Y
3	IC 480-605236/7	2.0	2.032297	25.0	228227.0	1.016148	Y
4	IC 480-605236/8	5.0	11.323382	25.0	231203.0	2.264676	Y
5	IC 480-605236/9	10.0	20.479717	25.0	245134.0	2.047972	Y
6	ICIS 480-605236/10	25.0	50.31072	25.0	247409.0	2.012429	Y
7	IC 480-605236/11	50.0	127.405549	25.0	249652.0	2.548111	Y
8	IC 480-605236/12	100.0	237.471329	25.0	272926.0	2.374713	Y



Calibration

/ 1,2-Dichloropropane

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

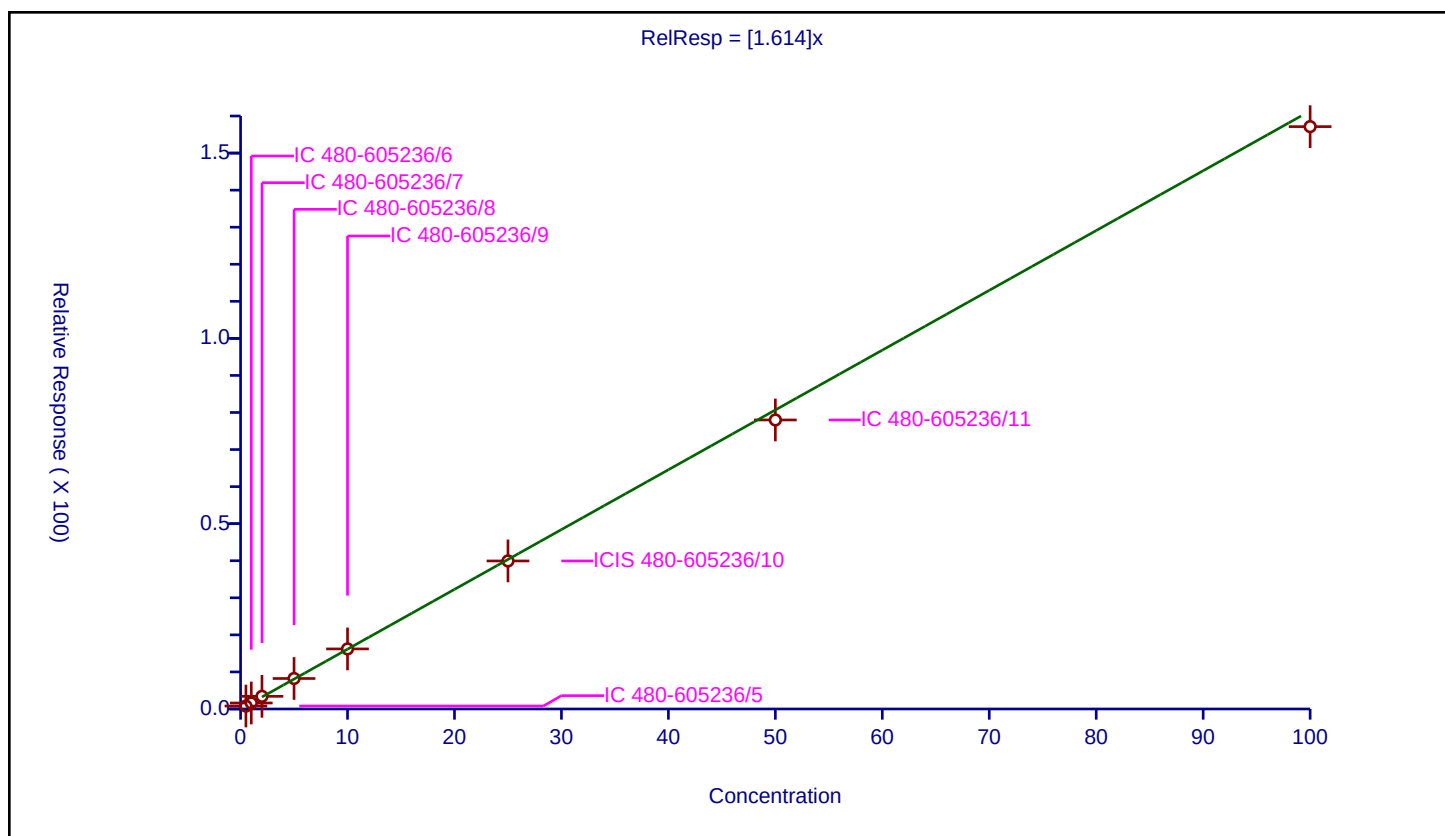
Curve Coefficients

Intercept: 0
Slope: 1.614

Error Coefficients

Standard Error: 731000
Relative Standard Error: 2.9
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.793975	25.0	227904.0	1.587949	Y
2	IC 480-605236/6	1.0	1.618227	25.0	231905.0	1.618227	Y
3	IC 480-605236/7	2.0	3.416116	25.0	228227.0	1.708058	Y
4	IC 480-605236/8	5.0	8.228591	25.0	231203.0	1.645718	Y
5	IC 480-605236/9	10.0	16.206952	25.0	245134.0	1.620695	Y
6	ICIS 480-605236/10	25.0	39.947112	25.0	247409.0	1.597884	Y
7	IC 480-605236/11	50.0	77.986257	25.0	249652.0	1.559725	Y
8	IC 480-605236/12	100.0	157.136733	25.0	272926.0	1.571367	Y



Calibration

/ Dibromomethane

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

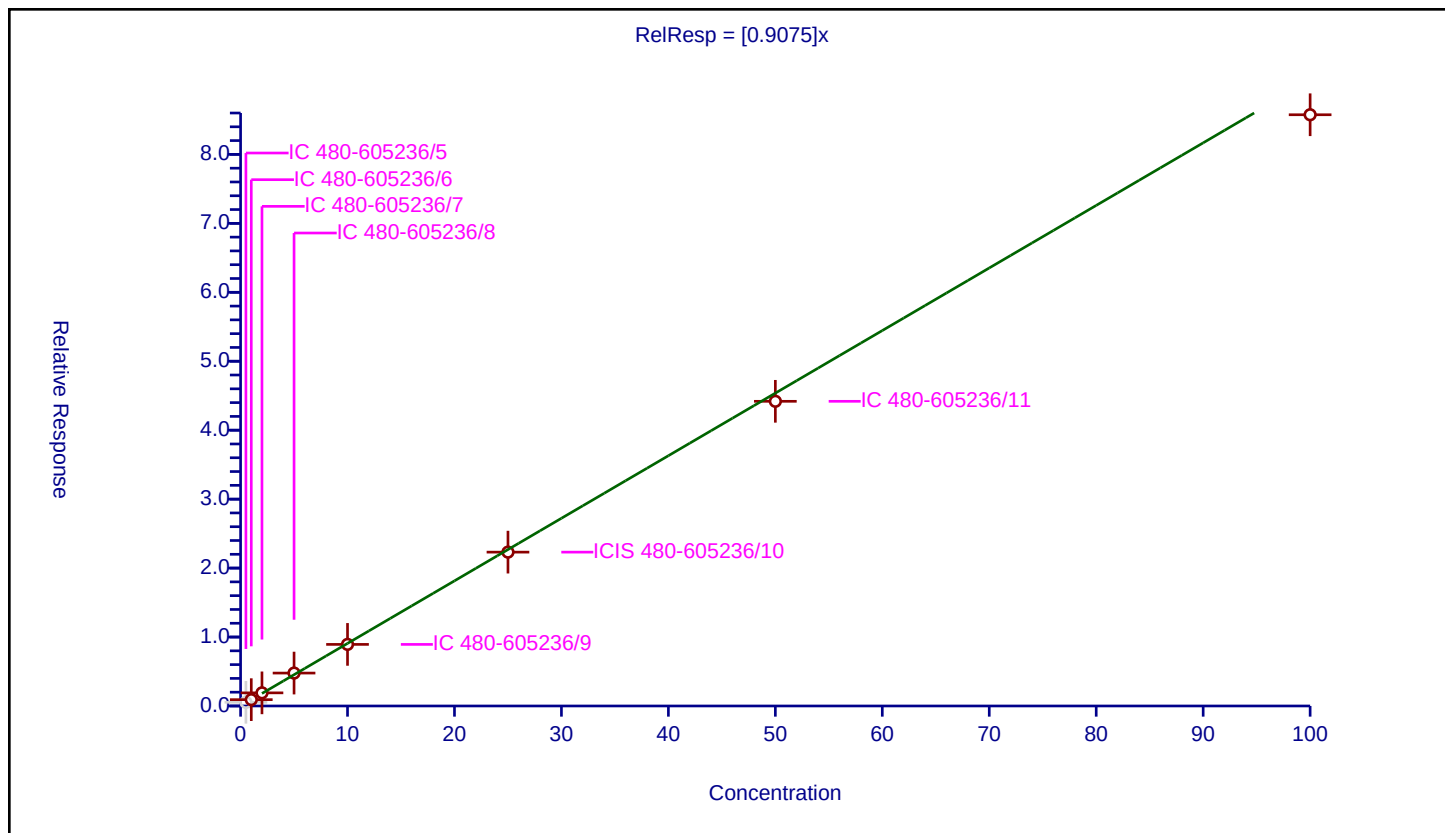
Curve Coefficients

Intercept: 0
 Slope: 0.9075

Error Coefficients

Standard Error: 434000
 Relative Standard Error: 4.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.535094	25.0	227904.0	1.070187	N
2	IC 480-605236/6	1.0	0.918156	25.0	231905.0	0.918156	Y
3	IC 480-605236/7	2.0	1.904025	25.0	228227.0	0.952013	Y
4	IC 480-605236/8	5.0	4.775133	25.0	231203.0	0.955027	Y
5	IC 480-605236/9	10.0	8.933583	25.0	245134.0	0.893358	Y
6	ICIS 480-605236/10	25.0	22.314164	25.0	247409.0	0.892567	Y
7	IC 480-605236/11	50.0	44.189211	25.0	249652.0	0.883784	Y
8	IC 480-605236/12	100.0	85.750167	25.0	272926.0	0.857502	Y



Calibration

/ 1,4-Dioxane

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

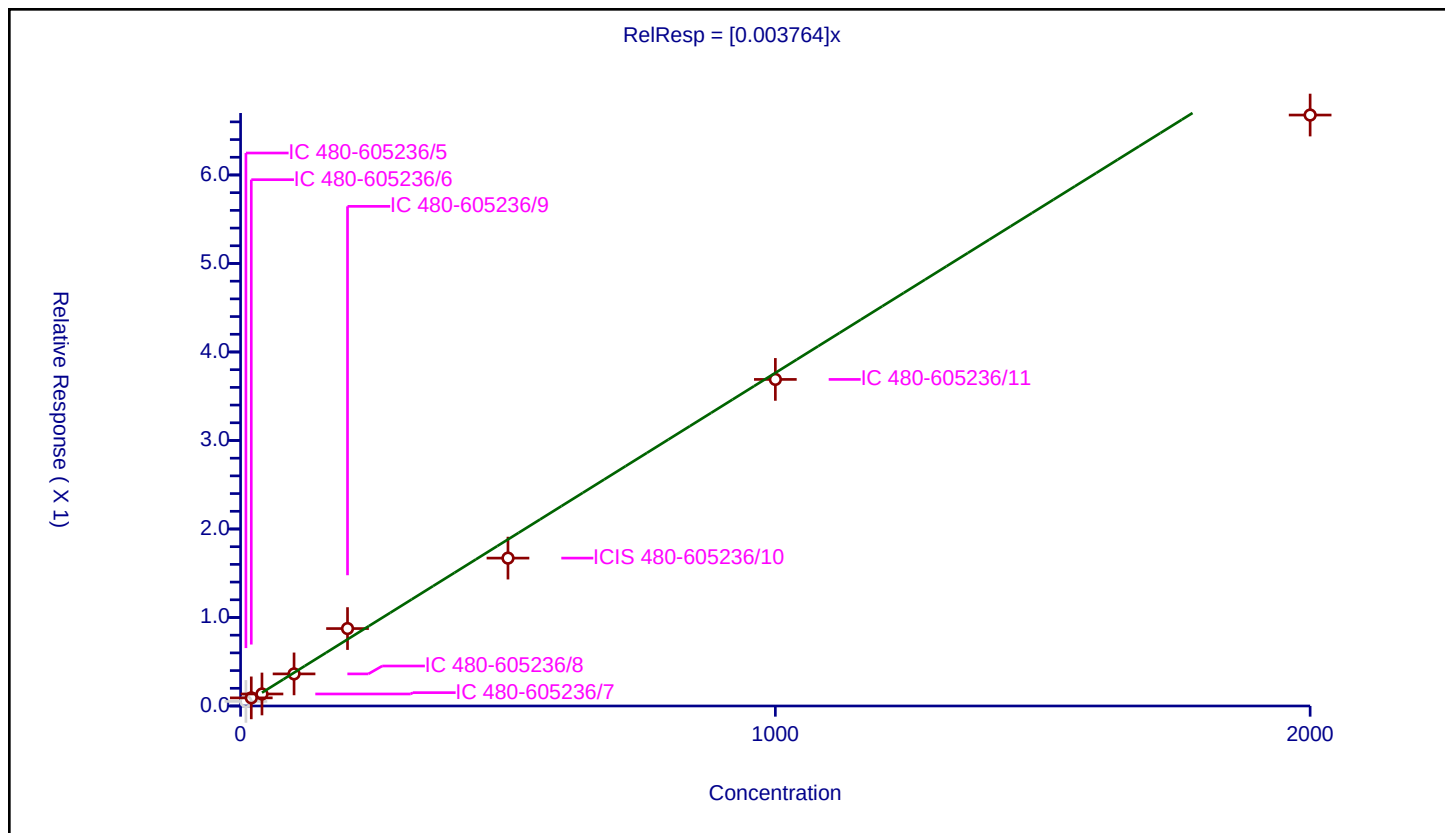
Curve Coefficients

Intercept: 0
 Slope: 0.003764

Error Coefficients

Standard Error: 110000
 Relative Standard Error: 13.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	10.0	0.051527	25.0	735533.0	0.005153	N
2	IC 480-605236/6	20.0	0.091693	25.0	736699.0	0.004585	Y
3	IC 480-605236/7	40.0	0.135678	25.0	744412.0	0.003392	Y
4	IC 480-605236/8	100.0	0.362543	25.0	713019.0	0.003625	Y
5	IC 480-605236/9	200.0	0.874951	25.0	755757.0	0.004375	Y
6	ICIS 480-605236/10	500.0	1.67081	25.0	771512.0	0.003342	Y
7	IC 480-605236/11	1000.0	3.689819	25.0	796184.0	0.00369	Y
8	IC 480-605236/12	2000.0	6.677075	25.0	877188.0	0.003339	Y



Calibration

/ Dichlorobromomethane

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

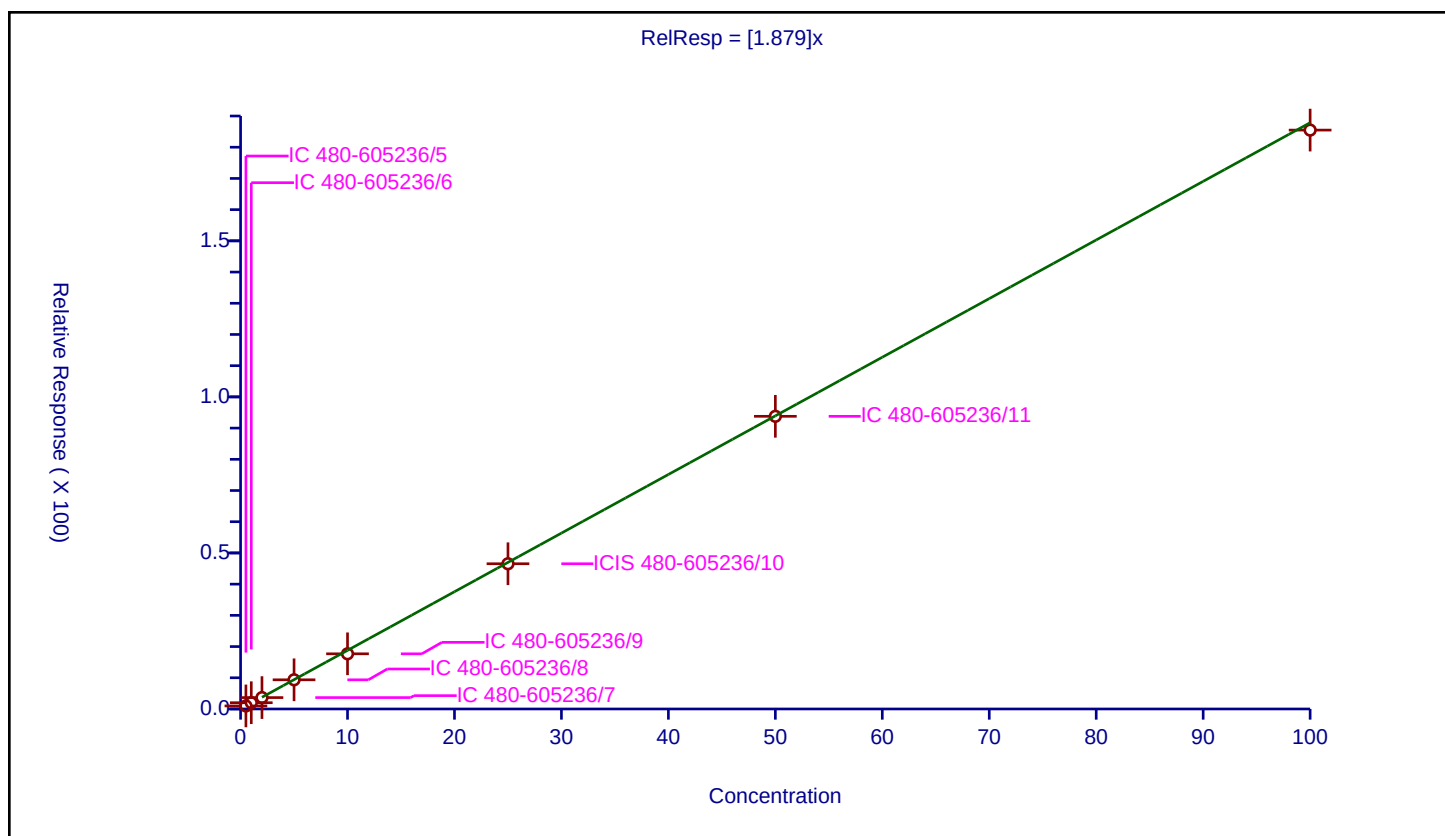
Curve Coefficients

Intercept: 0
 Slope: 1.879

Error Coefficients

Standard Error: 864000
 Relative Standard Error: 4.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.978482	25.0	227904.0	1.956964	Y
2	IC 480-605236/6	1.0	2.012139	25.0	231905.0	2.012139	Y
3	IC 480-605236/7	2.0	3.656447	25.0	228227.0	1.828224	Y
4	IC 480-605236/8	5.0	9.353252	25.0	231203.0	1.87065	Y
5	IC 480-605236/9	10.0	17.68288	25.0	245134.0	1.768288	Y
6	ICIS 480-605236/10	25.0	46.533473	25.0	247409.0	1.861339	Y
7	IC 480-605236/11	50.0	93.782545	25.0	249652.0	1.875651	Y
8	IC 480-605236/12	100.0	185.492038	25.0	272926.0	1.85492	Y



Calibration

/ 2-Chloroethyl vinyl ether

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

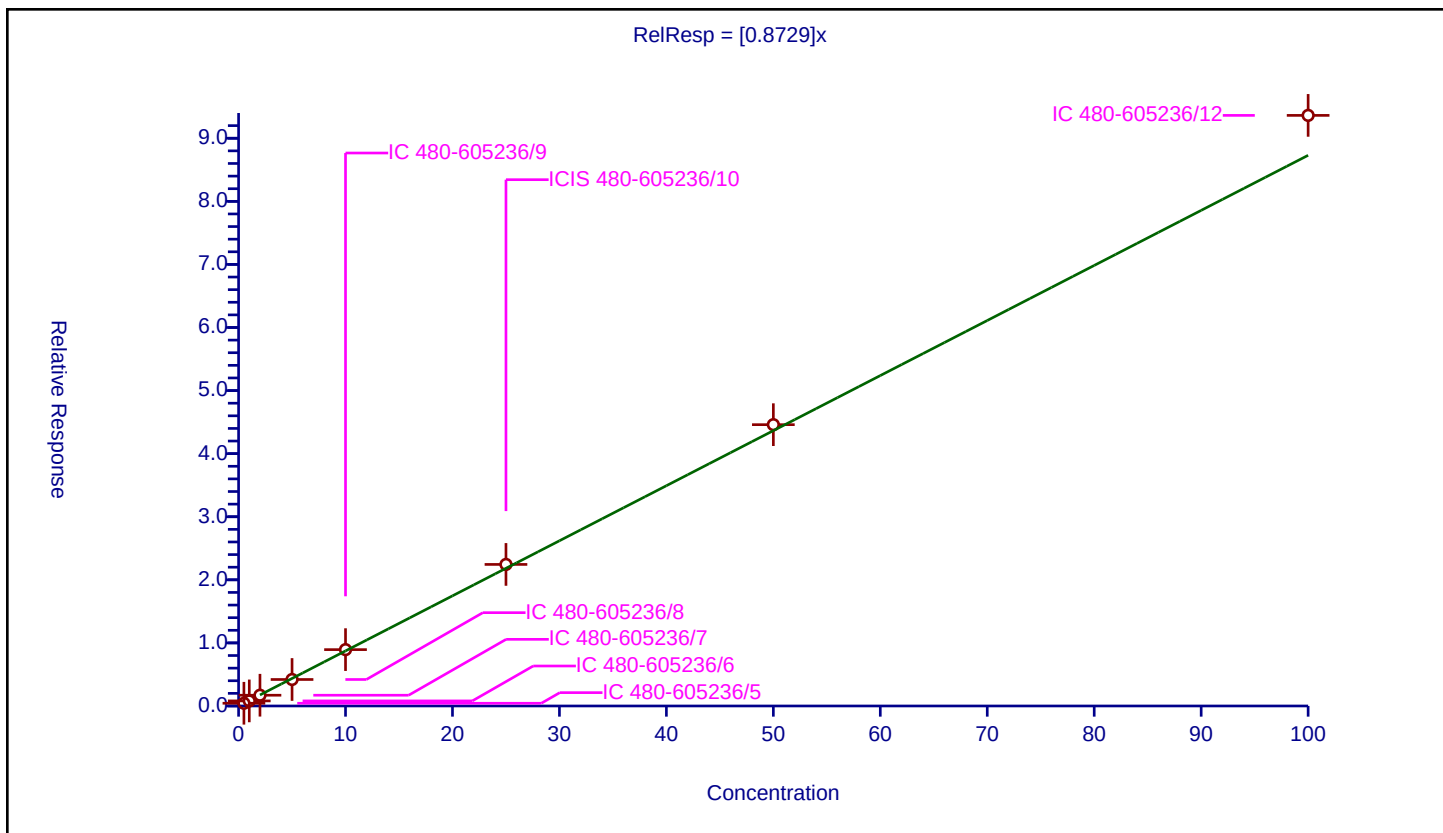
Curve Coefficients

Intercept: 0
 Slope: 0.8729

Error Coefficients

Standard Error: 431000
 Relative Standard Error: 4.7
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.434393	25.0	227904.0	0.868787	Y
2	IC 480-605236/6	1.0	0.803454	25.0	231905.0	0.803454	Y
3	IC 480-605236/7	2.0	1.704115	25.0	228227.0	0.852057	Y
4	IC 480-605236/8	5.0	4.201178	25.0	231203.0	0.840236	Y
5	IC 480-605236/9	10.0	8.932257	25.0	245134.0	0.893226	Y
6	ICIS 480-605236/10	25.0	22.438654	25.0	247409.0	0.897546	Y
7	IC 480-605236/11	50.0	44.596578	25.0	249652.0	0.891932	Y
8	IC 480-605236/12	100.0	93.625378	25.0	272926.0	0.936254	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

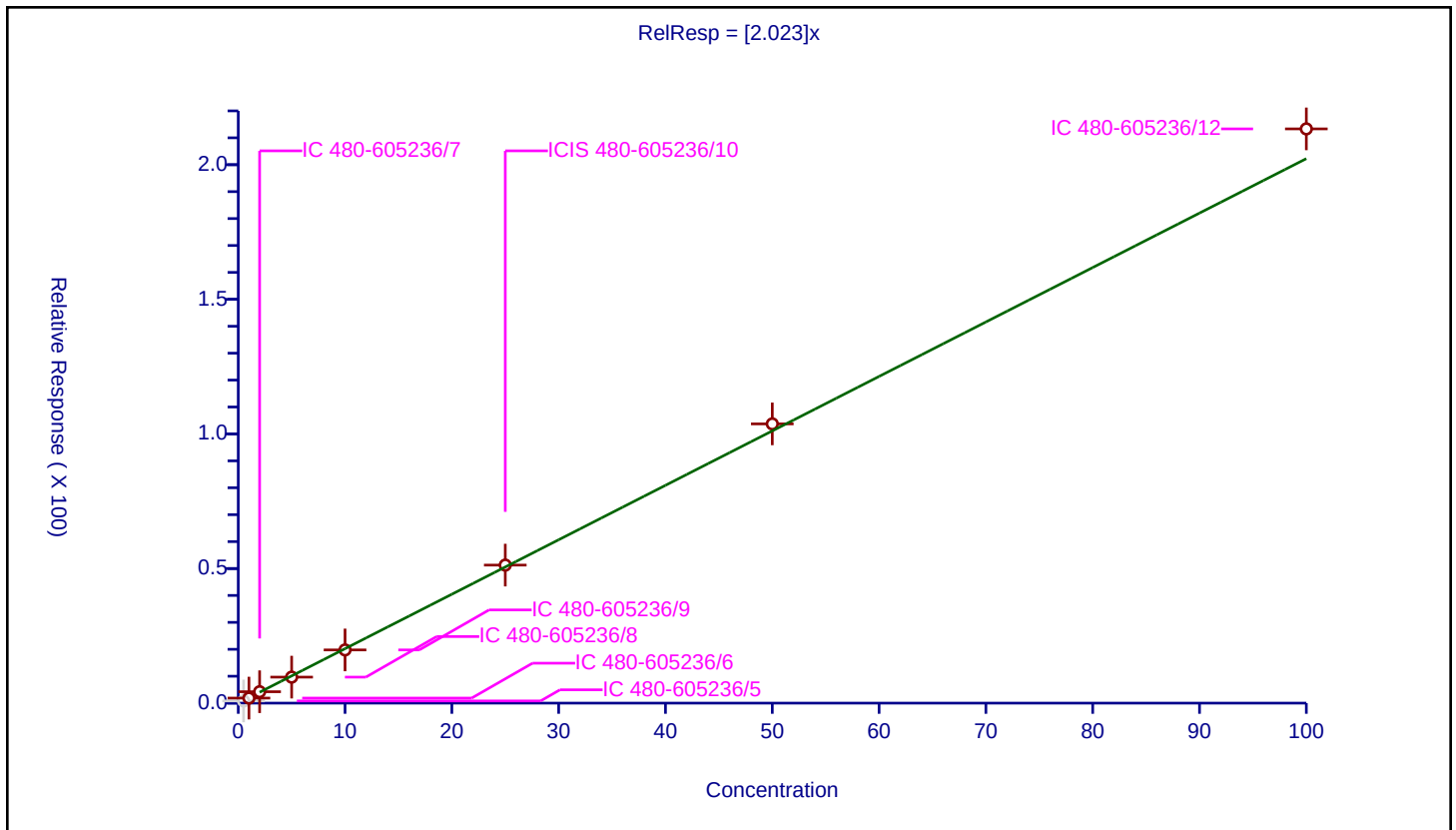
Curve Coefficients

Intercept: 0
 Slope: 2.023

Error Coefficients

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

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.819863	25.0	227904.0	1.639725	N
2	IC 480-605236/6	1.0	1.872534	25.0	231905.0	1.872534	Y
3	IC 480-605236/7	2.0	4.237119	25.0	228227.0	2.11856	Y
4	IC 480-605236/8	5.0	9.660017	25.0	231203.0	1.932003	Y
5	IC 480-605236/9	10.0	19.763578	25.0	245134.0	1.976358	Y
6	ICIS 480-605236/10	25.0	51.276126	25.0	247409.0	2.051045	Y
7	IC 480-605236/11	50.0	103.72829	25.0	249652.0	2.074566	Y
8	IC 480-605236/12	100.0	213.307453	25.0	272926.0	2.133075	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

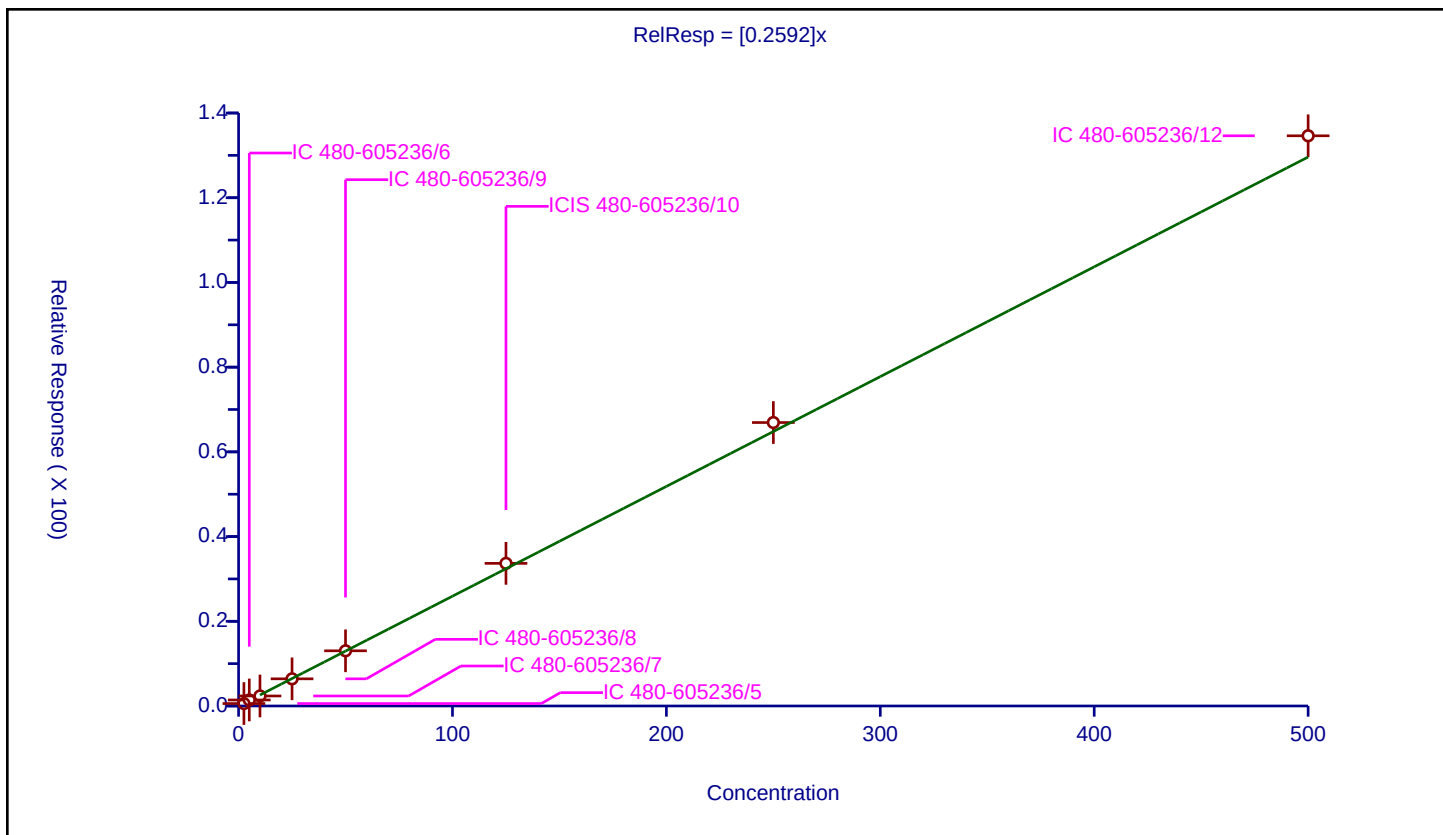
Curve Coefficients

Intercept: 0
 Slope: 0.2592

Error Coefficients

Standard Error: 2000000
 Relative Standard Error: 7.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	2.5	0.57353	25.0	735533.0	0.229412	Y
2	IC 480-605236/6	5.0	1.42263	25.0	736699.0	0.284526	Y
3	IC 480-605236/7	10.0	2.363946	25.0	744412.0	0.236395	Y
4	IC 480-605236/8	25.0	6.410068	25.0	713019.0	0.256403	Y
5	IC 480-605236/9	50.0	13.030544	25.0	755757.0	0.260611	Y
6	ICIS 480-605236/10	125.0	33.670831	25.0	771512.0	0.269367	Y
7	IC 480-605236/11	250.0	66.924951	25.0	796184.0	0.2677	Y
8	IC 480-605236/12	500.0	134.623821	25.0	877188.0	0.269248	Y



Calibration

/ Toluene-d8 (Surr)

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

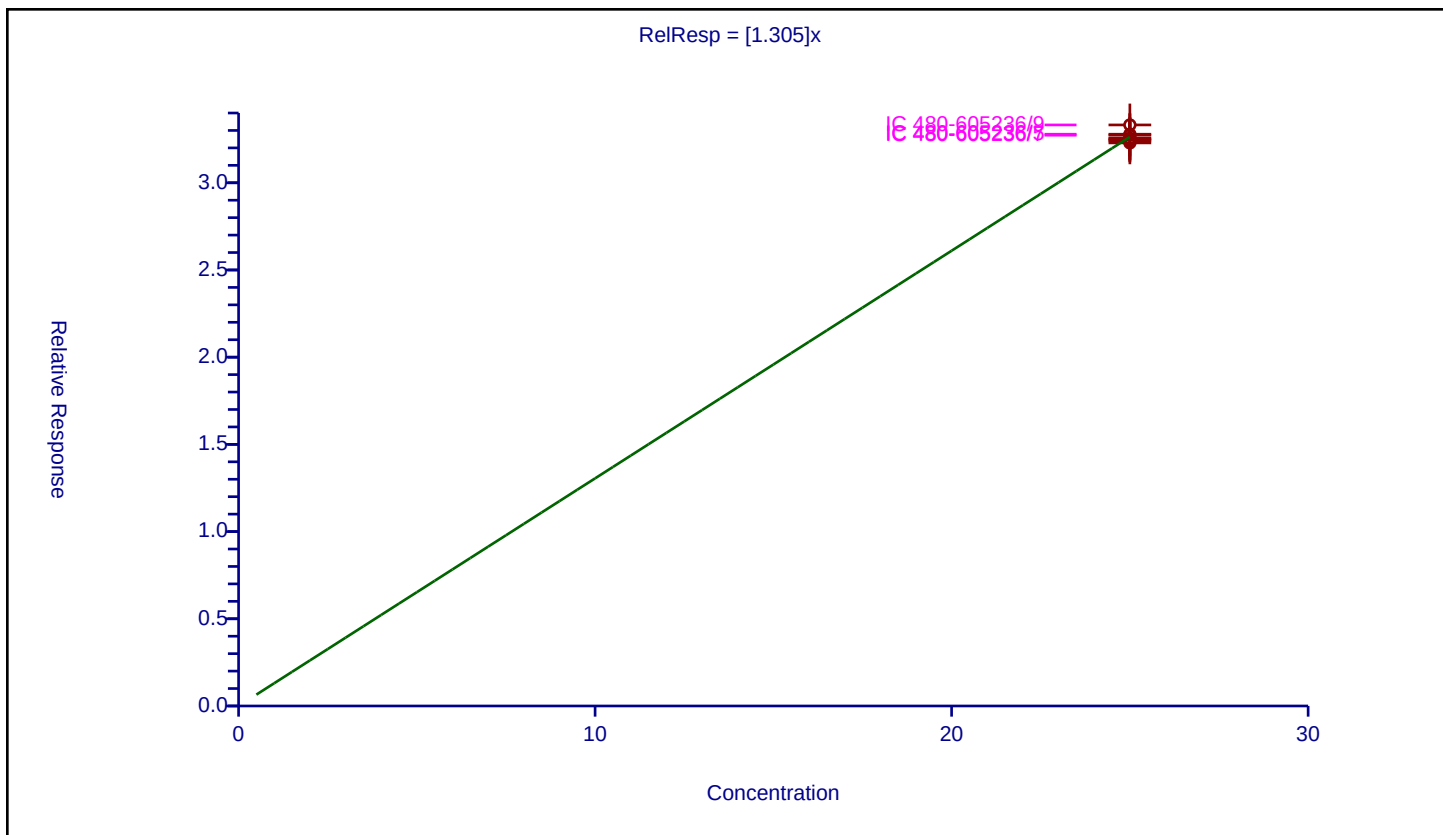
Curve Coefficients

Intercept: 0
 Slope: 1.305

Error Coefficients

Standard Error: 1070000
 Relative Standard Error: 1.0
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	25.0	32.784661	25.0	735533.0	1.311386	Y
2	IC 480-605236/6	25.0	32.519251	25.0	736699.0	1.30077	Y
3	IC 480-605236/7	25.0	32.727105	25.0	744412.0	1.309084	Y
4	IC 480-605236/8	25.0	32.554111	25.0	713019.0	1.302164	Y
5	IC 480-605236/9	25.0	33.317124	25.0	755757.0	1.332685	Y
6	ICIS 480-605236/10	25.0	32.398362	25.0	771512.0	1.295934	Y
7	IC 480-605236/11	25.0	32.446771	25.0	796184.0	1.297871	Y
8	IC 480-605236/12	25.0	32.285496	25.0	877188.0	1.29142	Y



Calibration

/ Toluene

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

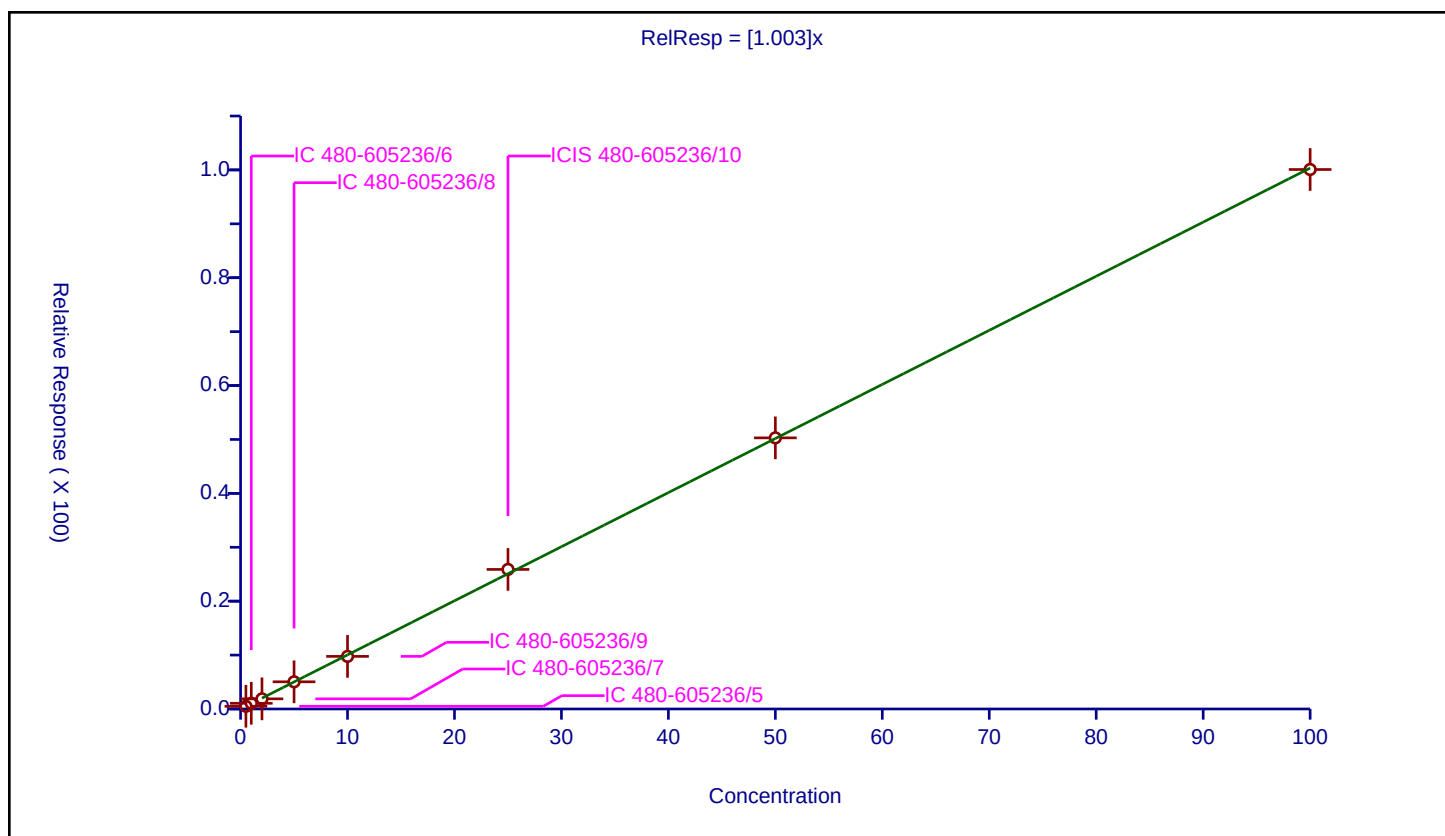
Curve Coefficients

Intercept: 0
 Slope: 1.003

Error Coefficients

Standard Error: 1500000
 Relative Standard Error: 3.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.500385	25.0	735533.0	1.000771	Y
2	IC 480-605236/6	1.0	1.05803	25.0	736699.0	1.05803	Y
3	IC 480-605236/7	2.0	1.884575	25.0	744412.0	0.942287	Y
4	IC 480-605236/8	5.0	5.043169	25.0	713019.0	1.008634	Y
5	IC 480-605236/9	10.0	9.756873	25.0	755757.0	0.975687	Y
6	ICIS 480-605236/10	25.0	25.891561	25.0	771512.0	1.035662	Y
7	IC 480-605236/11	50.0	50.295346	25.0	796184.0	1.005907	Y
8	IC 480-605236/12	100.0	100.078917	25.0	877188.0	1.000789	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

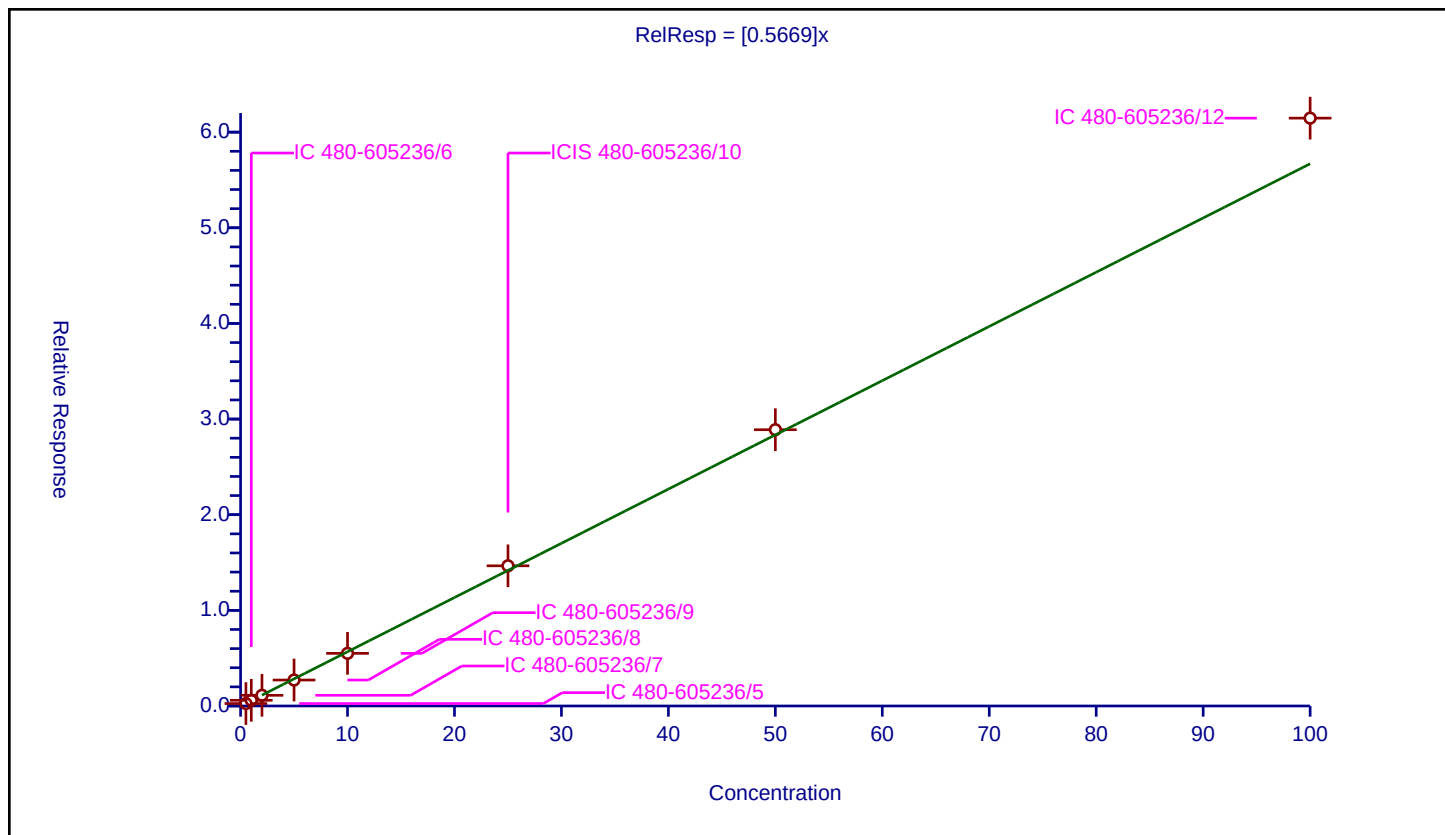
Curve Coefficients

Intercept: 0
 Slope: 0.5669

Error Coefficients

Standard Error: 905000
 Relative Standard Error: 5.8
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.255087	25.0	735533.0	0.510174	Y
2	IC 480-605236/6	1.0	0.594985	25.0	736699.0	0.594985	Y
3	IC 480-605236/7	2.0	1.116888	25.0	744412.0	0.558444	Y
4	IC 480-605236/8	5.0	2.715531	25.0	713019.0	0.543106	Y
5	IC 480-605236/9	10.0	5.501835	25.0	755757.0	0.550183	Y
6	ICIS 480-605236/10	25.0	14.657517	25.0	771512.0	0.586301	Y
7	IC 480-605236/11	50.0	28.886036	25.0	796184.0	0.577721	Y
8	IC 480-605236/12	100.0	61.464019	25.0	877188.0	0.61464	Y



Calibration

/ Ethyl methacrylate

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

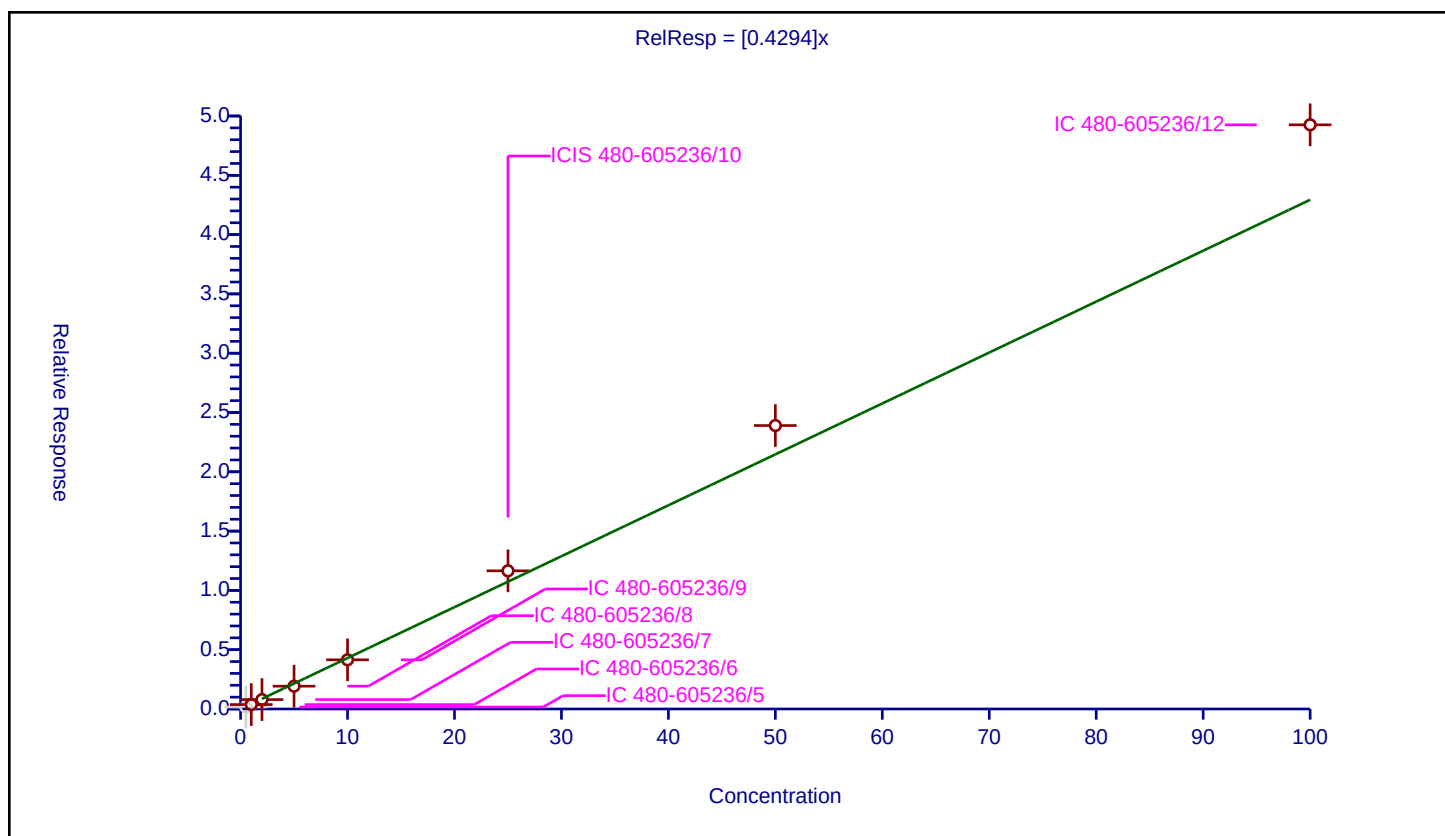
Curve Coefficients

Intercept: 0
 Slope: 0.4294

Error Coefficients

Standard Error: 787000
 Relative Standard Error: 11.3
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.166512	25.0	735533.0	0.333024	N
2	IC 480-605236/6	1.0	0.373049	25.0	736699.0	0.373049	Y
3	IC 480-605236/7	2.0	0.792404	25.0	744412.0	0.396202	Y
4	IC 480-605236/8	5.0	1.924002	25.0	713019.0	0.3848	Y
5	IC 480-605236/9	10.0	4.147596	25.0	755757.0	0.41476	Y
6	ICIS 480-605236/10	25.0	11.651374	25.0	771512.0	0.466055	Y
7	IC 480-605236/11	50.0	23.900694	25.0	796184.0	0.478014	Y
8	IC 480-605236/12	100.0	49.257799	25.0	877188.0	0.492578	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

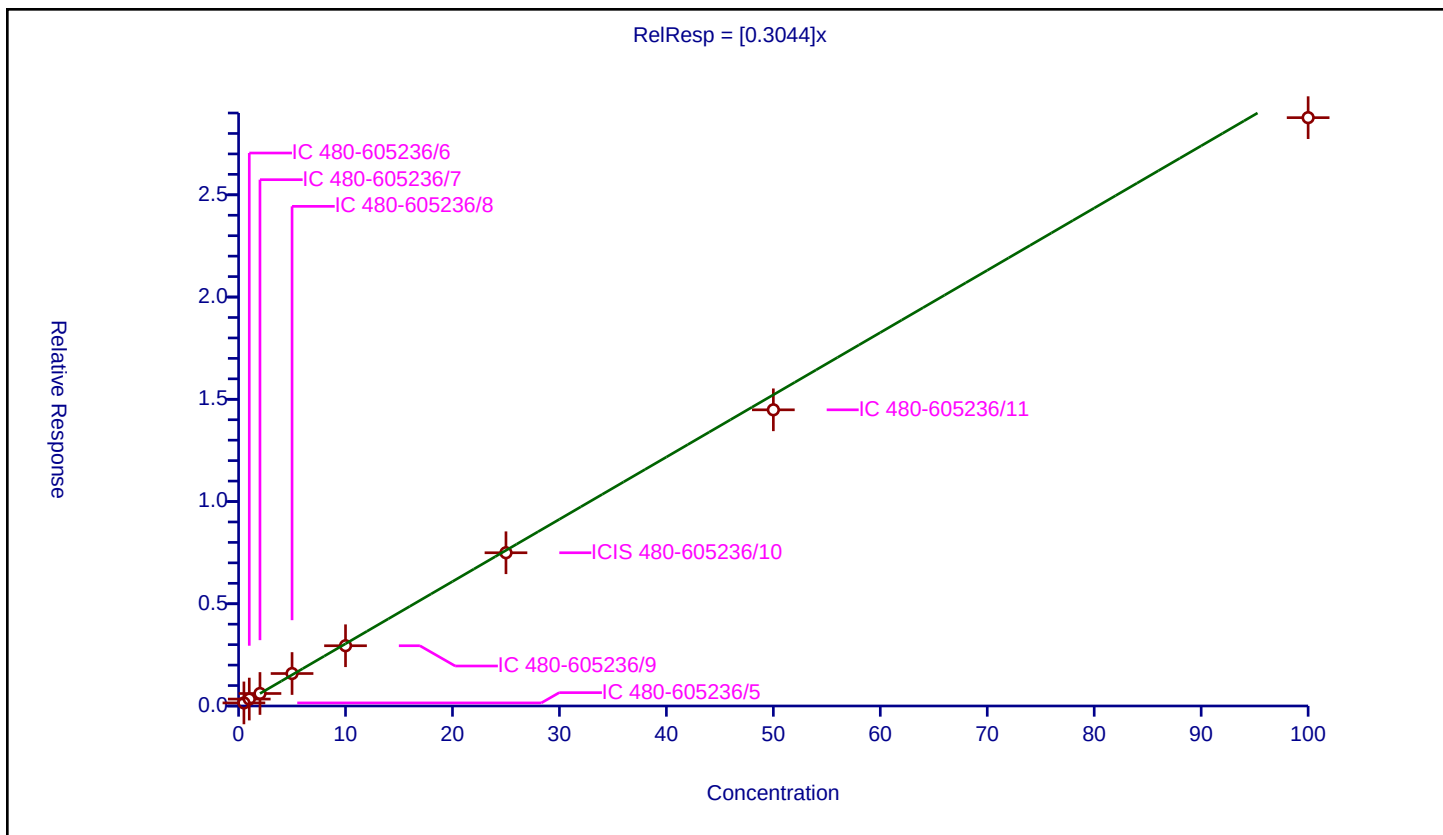
Curve Coefficients

Intercept: 0
 Slope: 0.3044

Error Coefficients

Standard Error: 430000
 Relative Standard Error: 5.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.150741	25.0	735533.0	0.301482	Y
2	IC 480-605236/6	1.0	0.339012	25.0	736699.0	0.339012	Y
3	IC 480-605236/7	2.0	0.610515	25.0	744412.0	0.305258	Y
4	IC 480-605236/8	5.0	1.587475	25.0	713019.0	0.317495	Y
5	IC 480-605236/9	10.0	2.94688	25.0	755757.0	0.294688	Y
6	ICIS 480-605236/10	25.0	7.493953	25.0	771512.0	0.299758	Y
7	IC 480-605236/11	50.0	14.484529	25.0	796184.0	0.289691	Y
8	IC 480-605236/12	100.0	28.773108	25.0	877188.0	0.287731	Y



Calibration

/ Tetrachloroethene

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

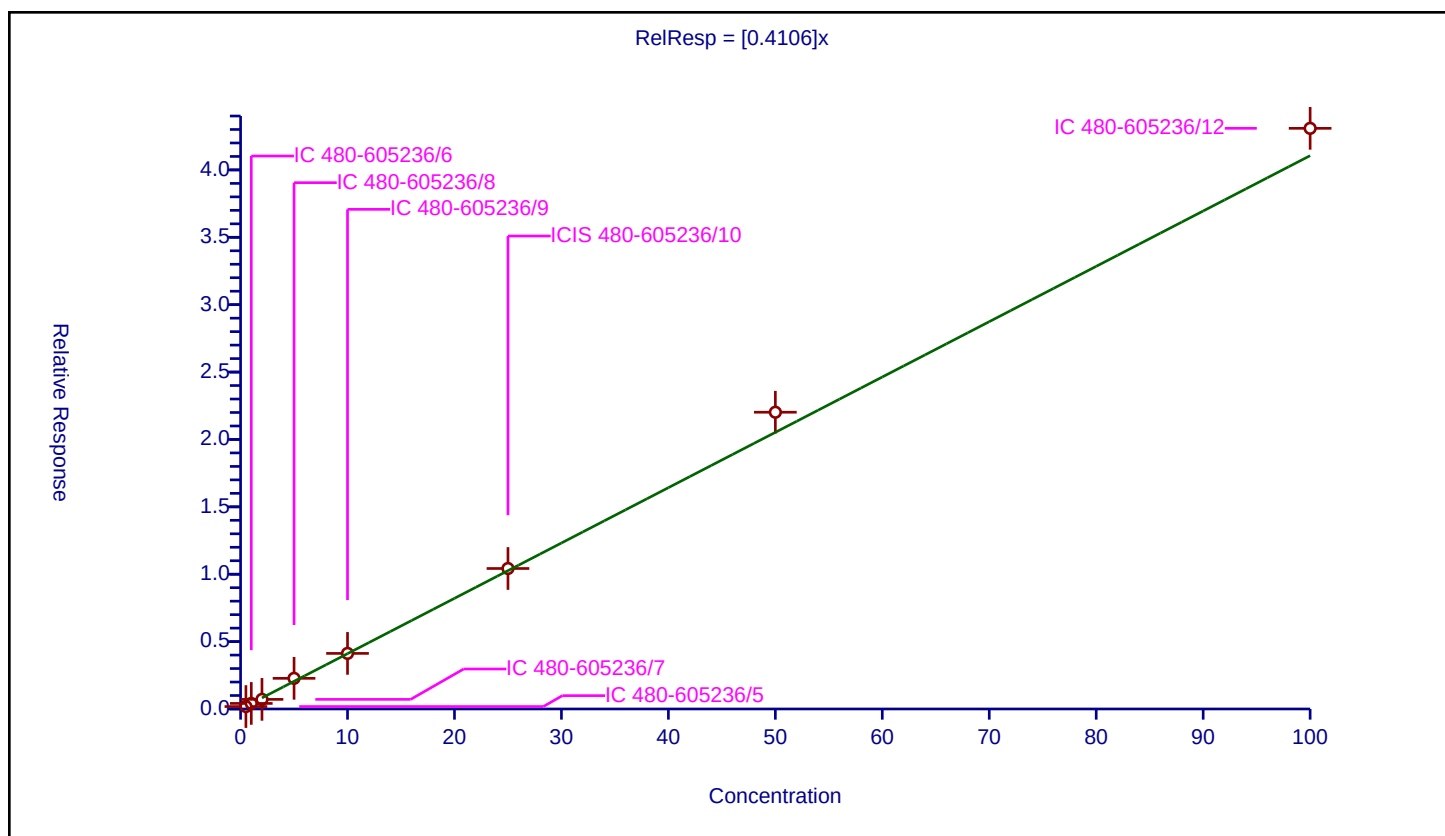
Curve Coefficients

Intercept: 0
Slope: 0.4106

Error Coefficients

Standard Error: 644000
Relative Standard Error: 8.6
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.180073	25.0	735533.0	0.360147	Y
2	IC 480-605236/6	1.0	0.412482	25.0	736699.0	0.412482	Y
3	IC 480-605236/7	2.0	0.712777	25.0	744412.0	0.356389	Y
4	IC 480-605236/8	5.0	2.274168	25.0	713019.0	0.454834	Y
5	IC 480-605236/9	10.0	4.125334	25.0	755757.0	0.412533	Y
6	ICIS 480-605236/10	25.0	10.425502	25.0	771512.0	0.41702	Y
7	IC 480-605236/11	50.0	22.021009	25.0	796184.0	0.44042	Y
8	IC 480-605236/12	100.0	43.085063	25.0	877188.0	0.430851	Y



Calibration

/ 1,3-Dichloropropane

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

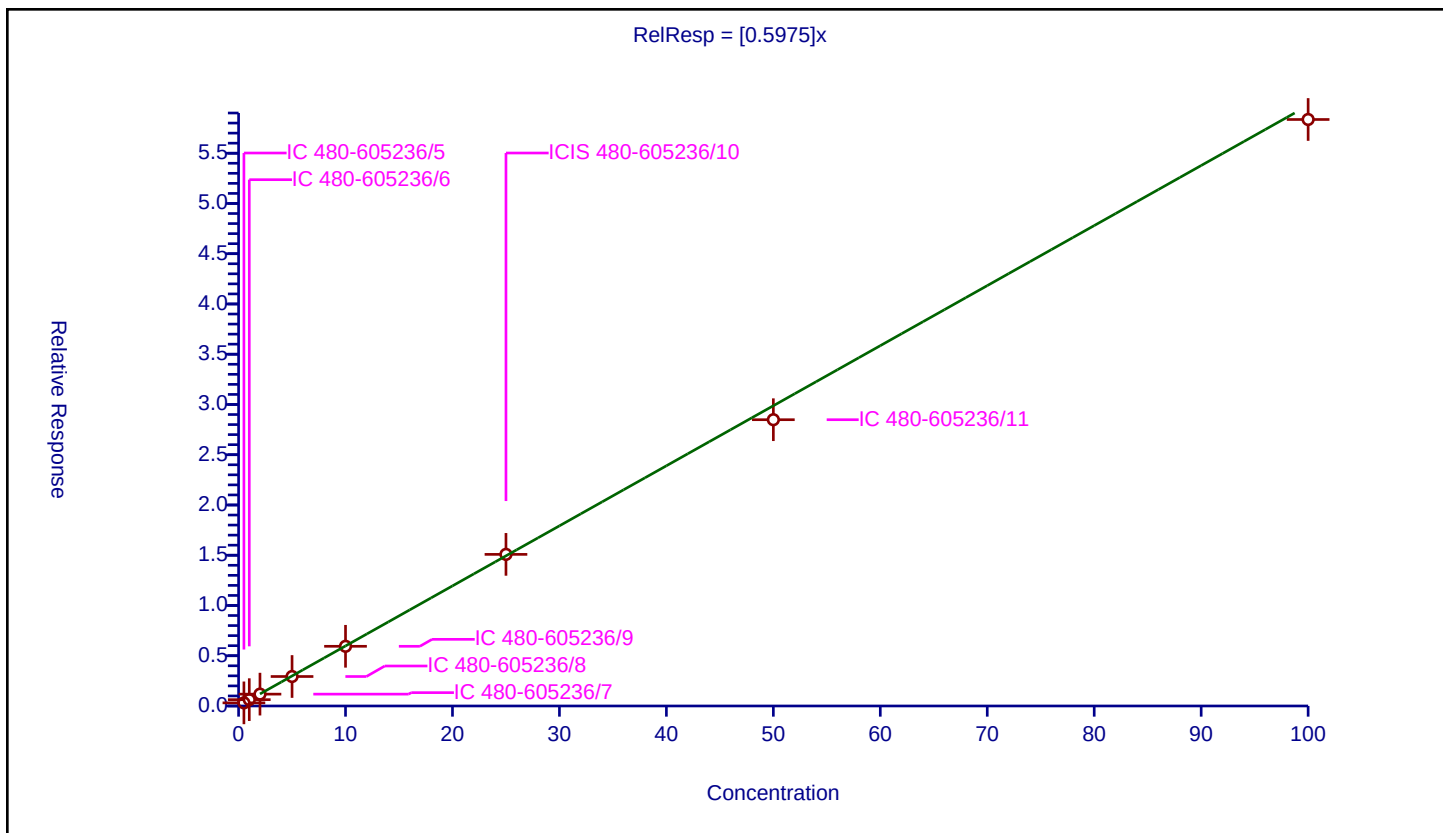
Curve Coefficients

Intercept: 0
 Slope: 0.5975

Error Coefficients

Standard Error: 868000
 Relative Standard Error: 3.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.311951	25.0	735533.0	0.623901	Y
2	IC 480-605236/6	1.0	0.629226	25.0	736699.0	0.629226	Y
3	IC 480-605236/7	2.0	1.180059	25.0	744412.0	0.590029	Y
4	IC 480-605236/8	5.0	2.932005	25.0	713019.0	0.586401	Y
5	IC 480-605236/9	10.0	5.939277	25.0	755757.0	0.593928	Y
6	ICIS 480-605236/10	25.0	15.084049	25.0	771512.0	0.603362	Y
7	IC 480-605236/11	50.0	28.48324	25.0	796184.0	0.569665	Y
8	IC 480-605236/12	100.0	58.355592	25.0	877188.0	0.583556	Y



Calibration

/ 2-Hexanone

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

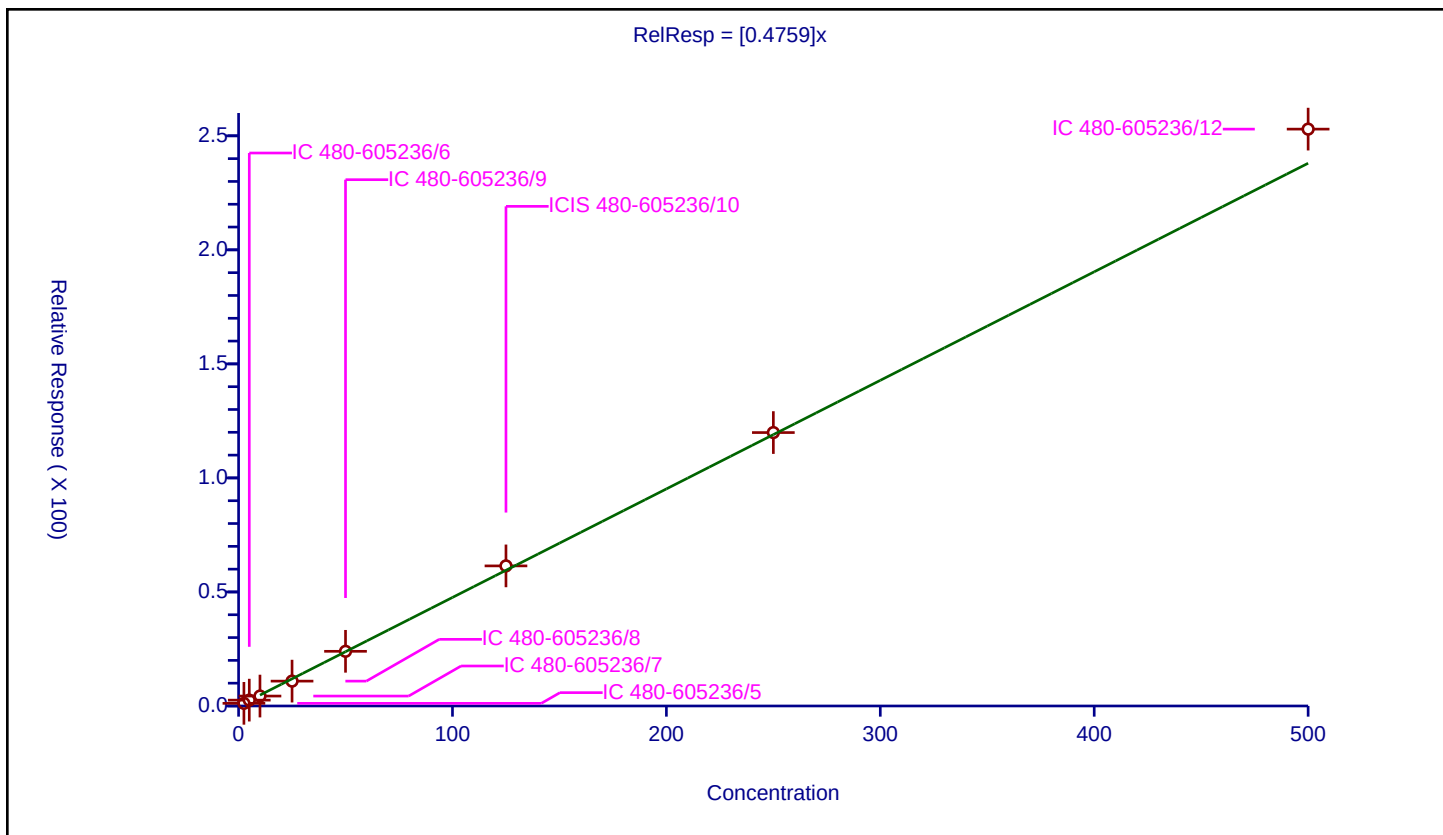
Curve Coefficients

Intercept: 0
 Slope: 0.4759

Error Coefficients

Standard Error: 3730000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	2.5	1.163136	25.0	735533.0	0.465254	Y
2	IC 480-605236/6	5.0	2.570521	25.0	736699.0	0.514104	Y
3	IC 480-605236/7	10.0	4.355787	25.0	744412.0	0.435579	Y
4	IC 480-605236/8	25.0	10.907493	25.0	713019.0	0.4363	Y
5	IC 480-605236/9	50.0	23.969742	25.0	755757.0	0.479395	Y
6	ICIS 480-605236/10	125.0	61.430801	25.0	771512.0	0.491446	Y
7	IC 480-605236/11	250.0	119.889529	25.0	796184.0	0.479558	Y
8	IC 480-605236/12	500.0	252.932011	25.0	877188.0	0.505864	Y



Calibration

/ Chlorodibromomethane

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

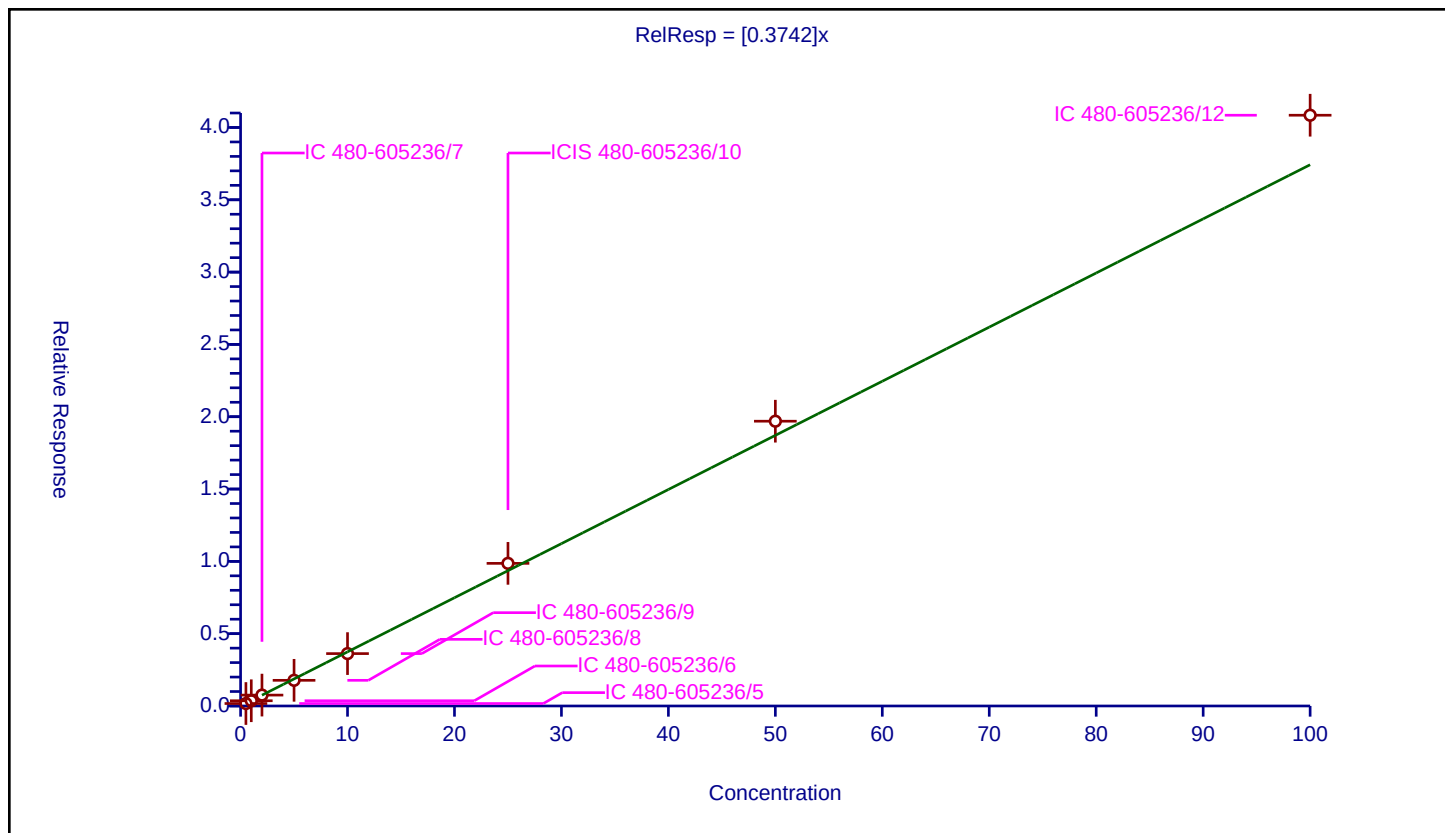
Curve Coefficients

Intercept: 0
 Slope: 0.3742

Error Coefficients

Standard Error: 604000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.169945	25.0	735533.0	0.33989	Y
2	IC 480-605236/6	1.0	0.363038	25.0	736699.0	0.363038	Y
3	IC 480-605236/7	2.0	0.753749	25.0	744412.0	0.376875	Y
4	IC 480-605236/8	5.0	1.775268	25.0	713019.0	0.355054	Y
5	IC 480-605236/9	10.0	3.622758	25.0	755757.0	0.362276	Y
6	ICIS 480-605236/10	25.0	9.861318	25.0	771512.0	0.394453	Y
7	IC 480-605236/11	50.0	19.690298	25.0	796184.0	0.393806	Y
8	IC 480-605236/12	100.0	40.846917	25.0	877188.0	0.408469	Y



Calibration

/ Ethylene Dibromide

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

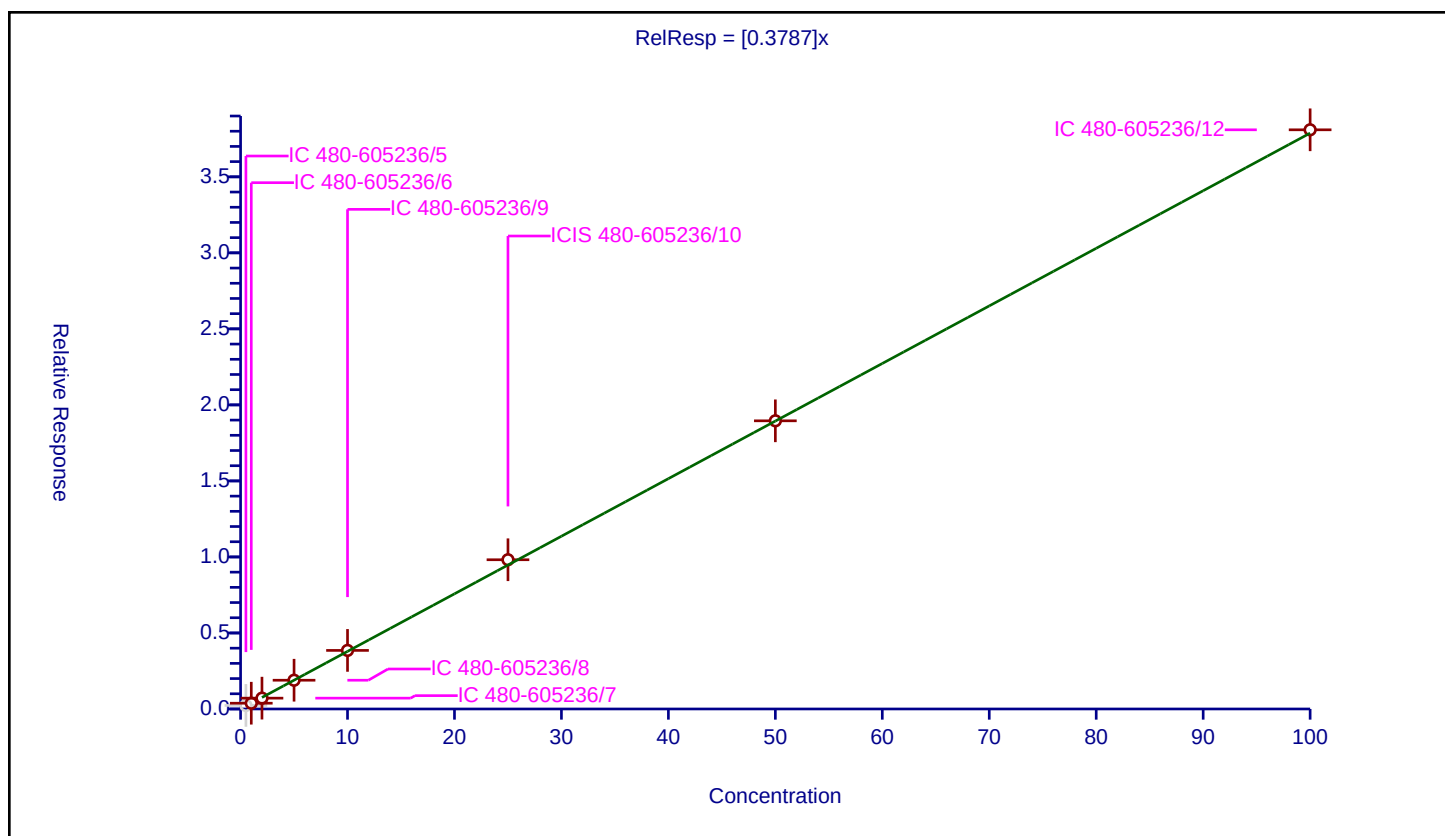
Curve Coefficients

Intercept: 0
 Slope: 0.3787

Error Coefficients

Standard Error: 614000
 Relative Standard Error: 3.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.233538	25.0	735533.0	0.467076	N
2	IC 480-605236/6	1.0	0.378852	25.0	736699.0	0.378852	Y
3	IC 480-605236/7	2.0	0.712106	25.0	744412.0	0.356053	Y
4	IC 480-605236/8	5.0	1.891534	25.0	713019.0	0.378307	Y
5	IC 480-605236/9	10.0	3.853057	25.0	755757.0	0.385306	Y
6	ICIS 480-605236/10	25.0	9.814786	25.0	771512.0	0.392591	Y
7	IC 480-605236/11	50.0	18.954036	25.0	796184.0	0.379081	Y
8	IC 480-605236/12	100.0	38.093174	25.0	877188.0	0.380932	Y



Calibration

/ Chlorobenzene

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

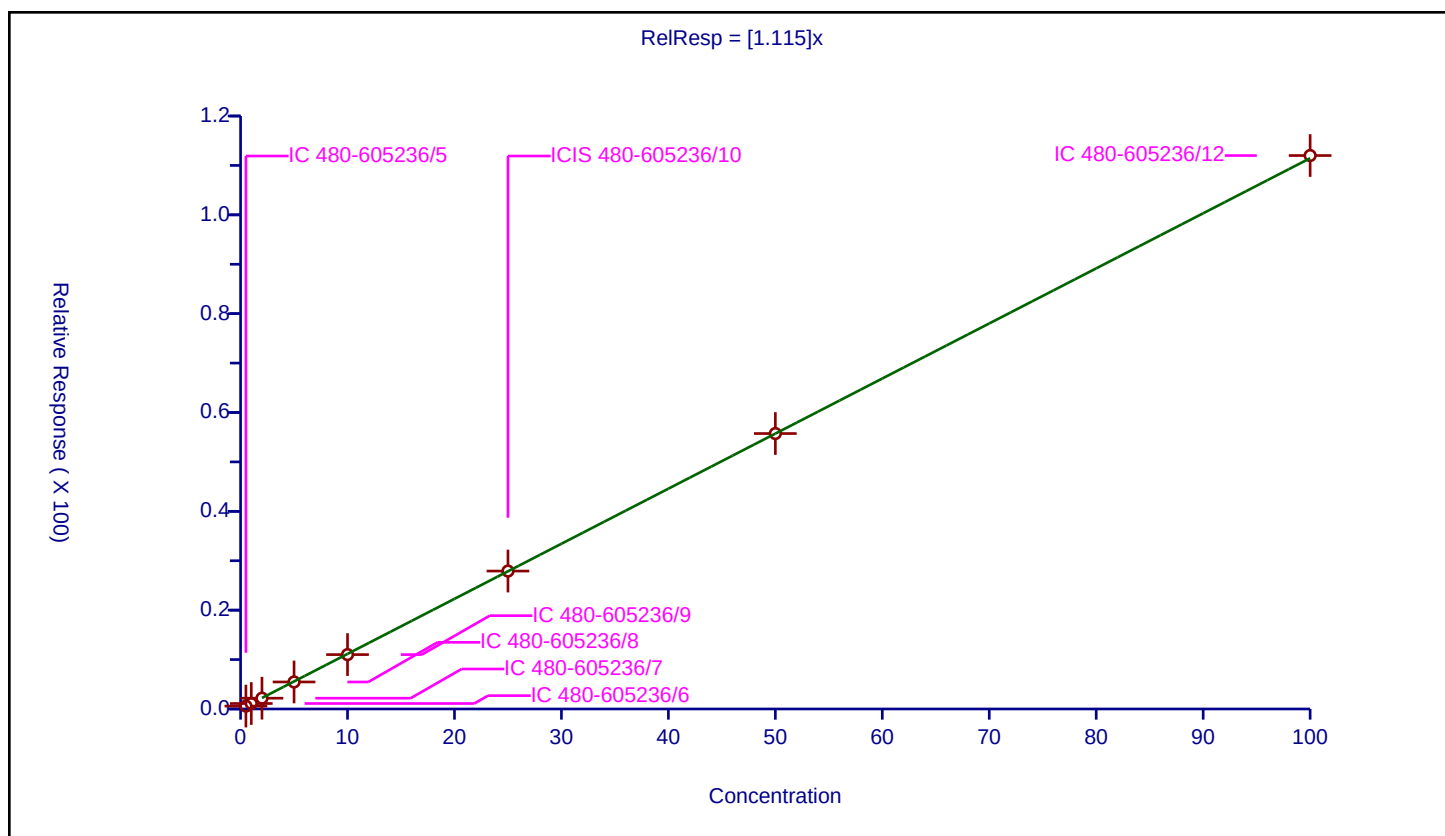
Curve Coefficients

Intercept: 0
 Slope: 1.115

Error Coefficients

Standard Error: 1670000
 Relative Standard Error: 2.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.586955	25.0	735533.0	1.173911	Y
2	IC 480-605236/6	1.0	1.106965	25.0	736699.0	1.106965	Y
3	IC 480-605236/7	2.0	2.180647	25.0	744412.0	1.090324	Y
4	IC 480-605236/8	5.0	5.46672	25.0	713019.0	1.093344	Y
5	IC 480-605236/9	10.0	11.006613	25.0	755757.0	1.100661	Y
6	ICIS 480-605236/10	25.0	27.914699	25.0	771512.0	1.116588	Y
7	IC 480-605236/11	50.0	55.742988	25.0	796184.0	1.11486	Y
8	IC 480-605236/12	100.0	112.000877	25.0	877188.0	1.120009	Y



Calibration

/ Ethylbenzene

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

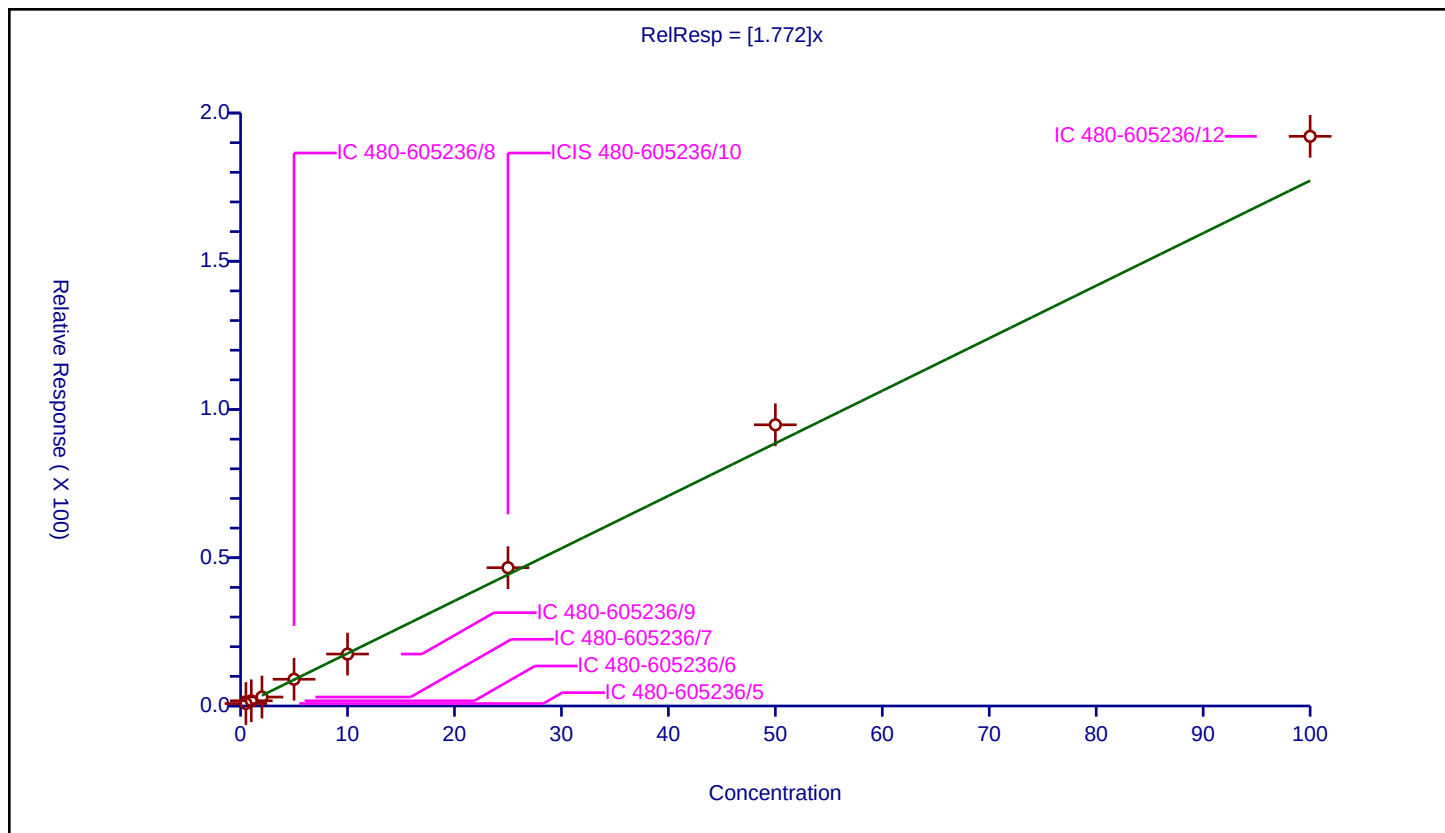
Curve Coefficients

Intercept: 0
 Slope: 1.772

Error Coefficients

Standard Error: 2850000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.829229	25.0	735533.0	1.658457	Y
2	IC 480-605236/6	1.0	1.7668	25.0	736699.0	1.7668	Y
3	IC 480-605236/7	2.0	3.020874	25.0	744412.0	1.510437	Y
4	IC 480-605236/8	5.0	9.018273	25.0	713019.0	1.803655	Y
5	IC 480-605236/9	10.0	17.517932	25.0	755757.0	1.751793	Y
6	ICIS 480-605236/10	25.0	46.646877	25.0	771512.0	1.865875	Y
7	IC 480-605236/11	50.0	94.8402	25.0	796184.0	1.896804	Y
8	IC 480-605236/12	100.0	192.13595	25.0	877188.0	1.92136	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

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

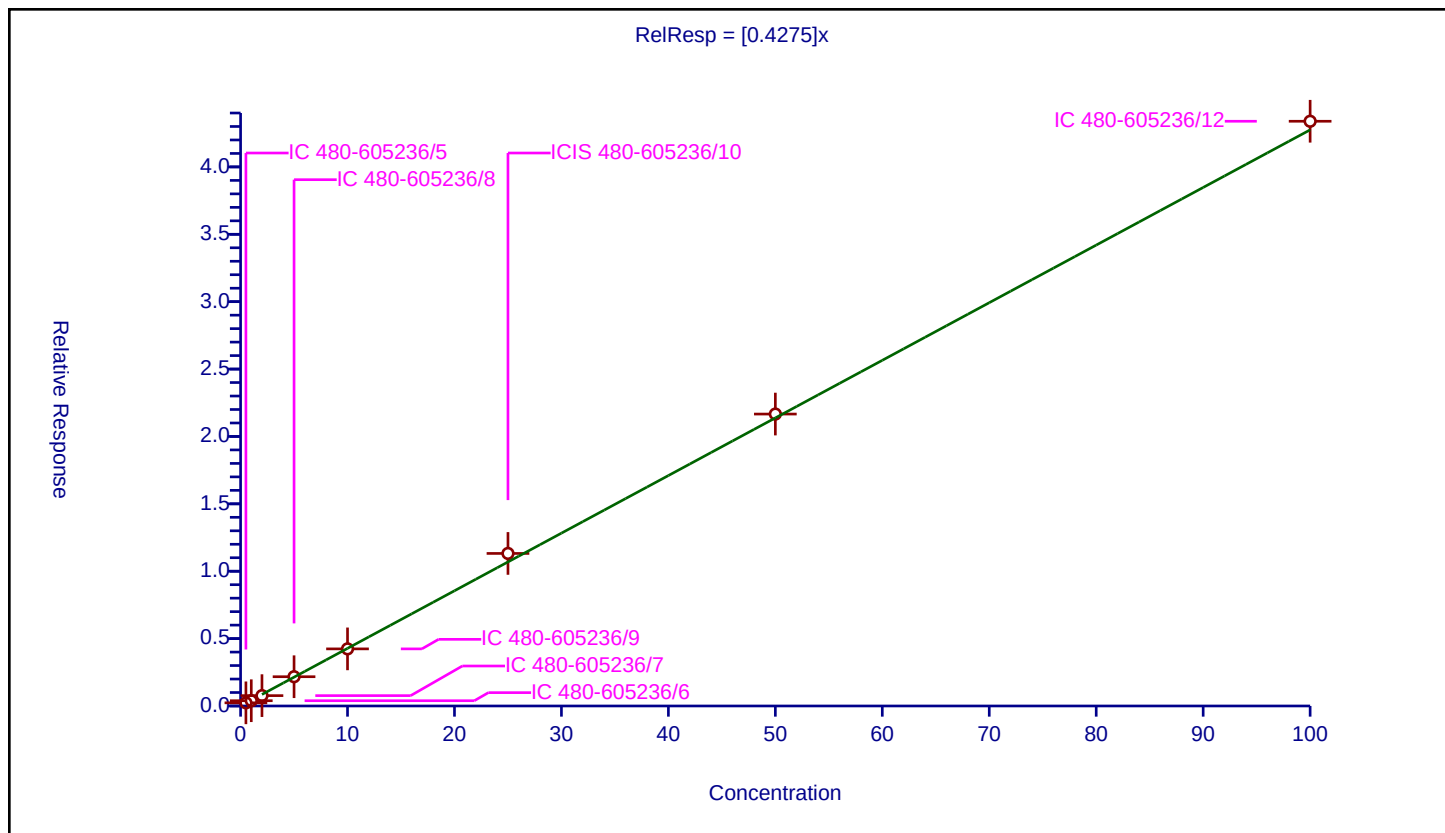
Curve Coefficients

Intercept: 0
 Slope: 0.4275

Error Coefficients

Standard Error: 648000
 Relative Standard Error: 6.6
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.233538	25.0	735533.0	0.467076	Y
2	IC 480-605236/6	1.0	0.391001	25.0	736699.0	0.391001	Y
3	IC 480-605236/7	2.0	0.767955	25.0	744412.0	0.383978	Y
4	IC 480-605236/8	5.0	2.171892	25.0	713019.0	0.434378	Y
5	IC 480-605236/9	10.0	4.236613	25.0	755757.0	0.423661	Y
6	ICIS 480-605236/10	25.0	11.319234	25.0	771512.0	0.452769	Y
7	IC 480-605236/11	50.0	21.662235	25.0	796184.0	0.433245	Y
8	IC 480-605236/12	100.0	43.387848	25.0	877188.0	0.433878	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

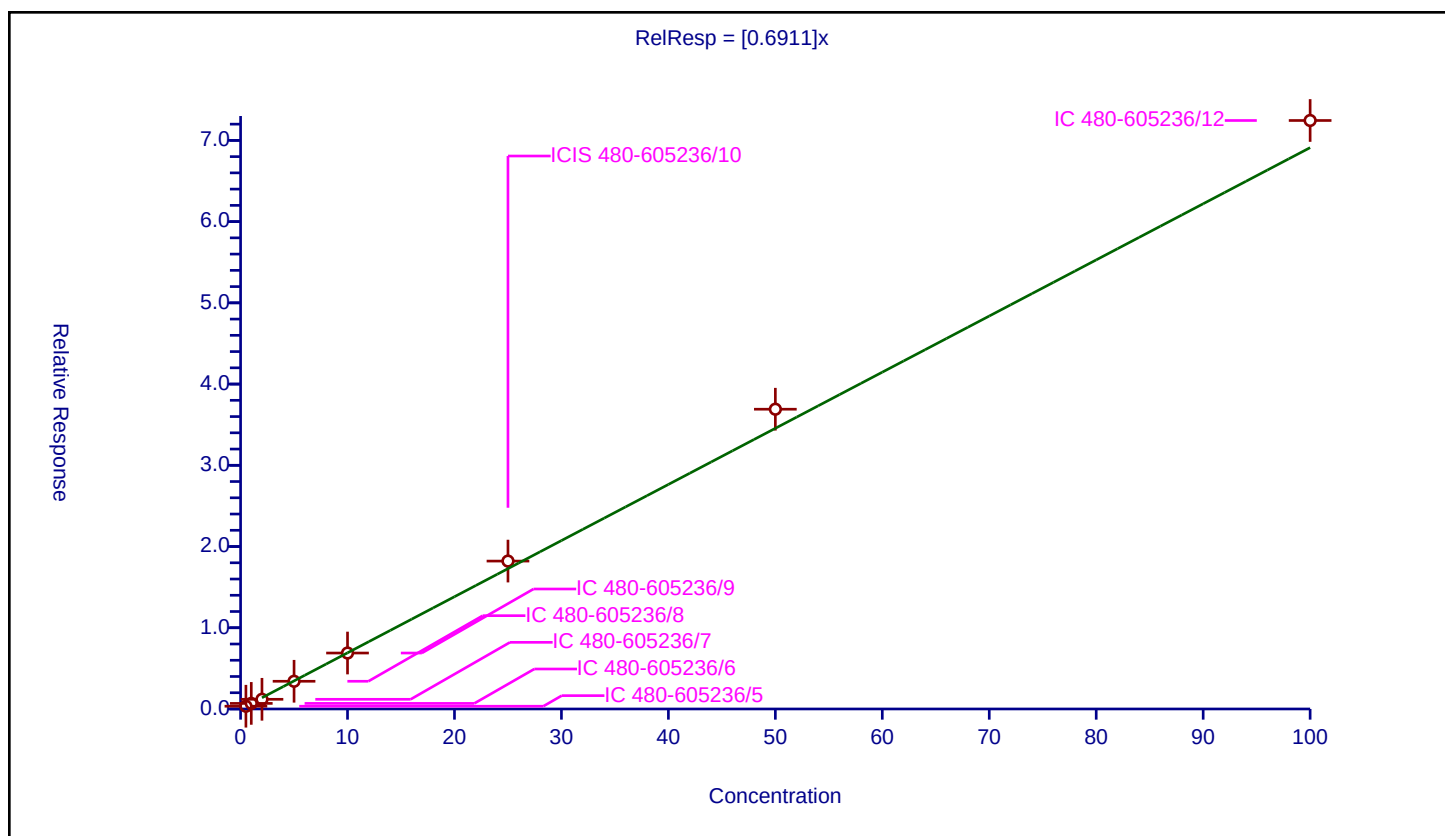
Curve Coefficients

Intercept: 0
 Slope: 0.6911

Error Coefficients

Standard Error: 1080000
 Relative Standard Error: 6.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.340535	25.0	735533.0	0.681071	Y
2	IC 480-605236/6	1.0	0.688069	25.0	736699.0	0.688069	Y
3	IC 480-605236/7	2.0	1.194097	25.0	744412.0	0.597048	Y
4	IC 480-605236/8	5.0	3.412742	25.0	713019.0	0.682548	Y
5	IC 480-605236/9	10.0	6.887961	25.0	755757.0	0.688796	Y
6	ICIS 480-605236/10	25.0	18.208855	25.0	771512.0	0.728354	Y
7	IC 480-605236/11	50.0	36.90375	25.0	796184.0	0.738075	Y
8	IC 480-605236/12	100.0	72.448609	25.0	877188.0	0.724486	Y



Calibration

/ o-Xylene

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

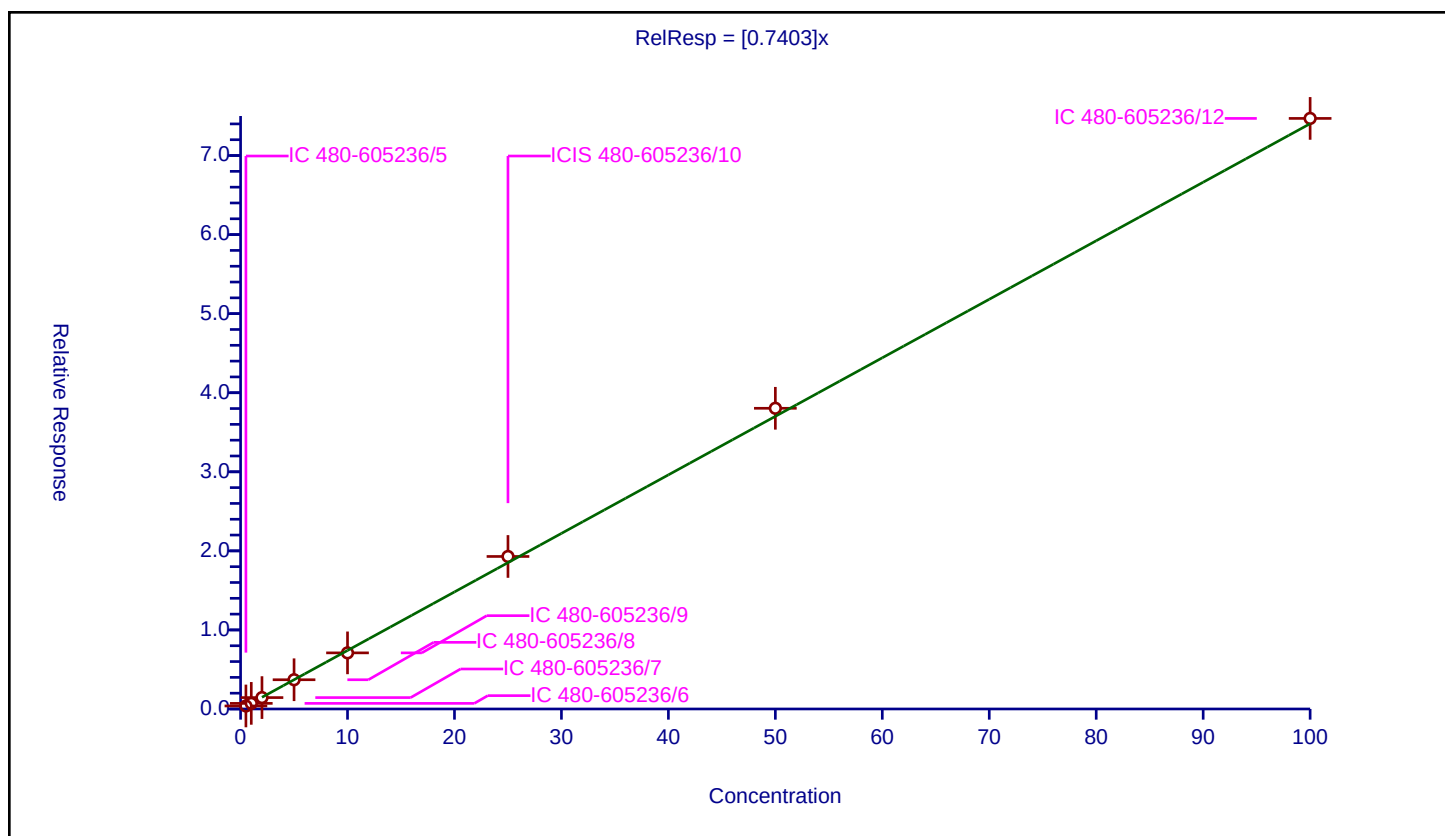
Curve Coefficients

Intercept: 0
 Slope: 0.7403

Error Coefficients

Standard Error: 1120000
 Relative Standard Error: 3.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.381594	25.0	735533.0	0.763188	Y
2	IC 480-605236/6	1.0	0.709007	25.0	736699.0	0.709007	Y
3	IC 480-605236/7	2.0	1.443085	25.0	744412.0	0.721543	Y
4	IC 480-605236/8	5.0	3.697763	25.0	713019.0	0.739553	Y
5	IC 480-605236/9	10.0	7.097685	25.0	755757.0	0.709768	Y
6	ICIS 480-605236/10	25.0	19.289428	25.0	771512.0	0.771577	Y
7	IC 480-605236/11	50.0	38.034927	25.0	796184.0	0.760699	Y
8	IC 480-605236/12	100.0	74.695333	25.0	877188.0	0.746953	Y



Calibration

/ Styrene

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

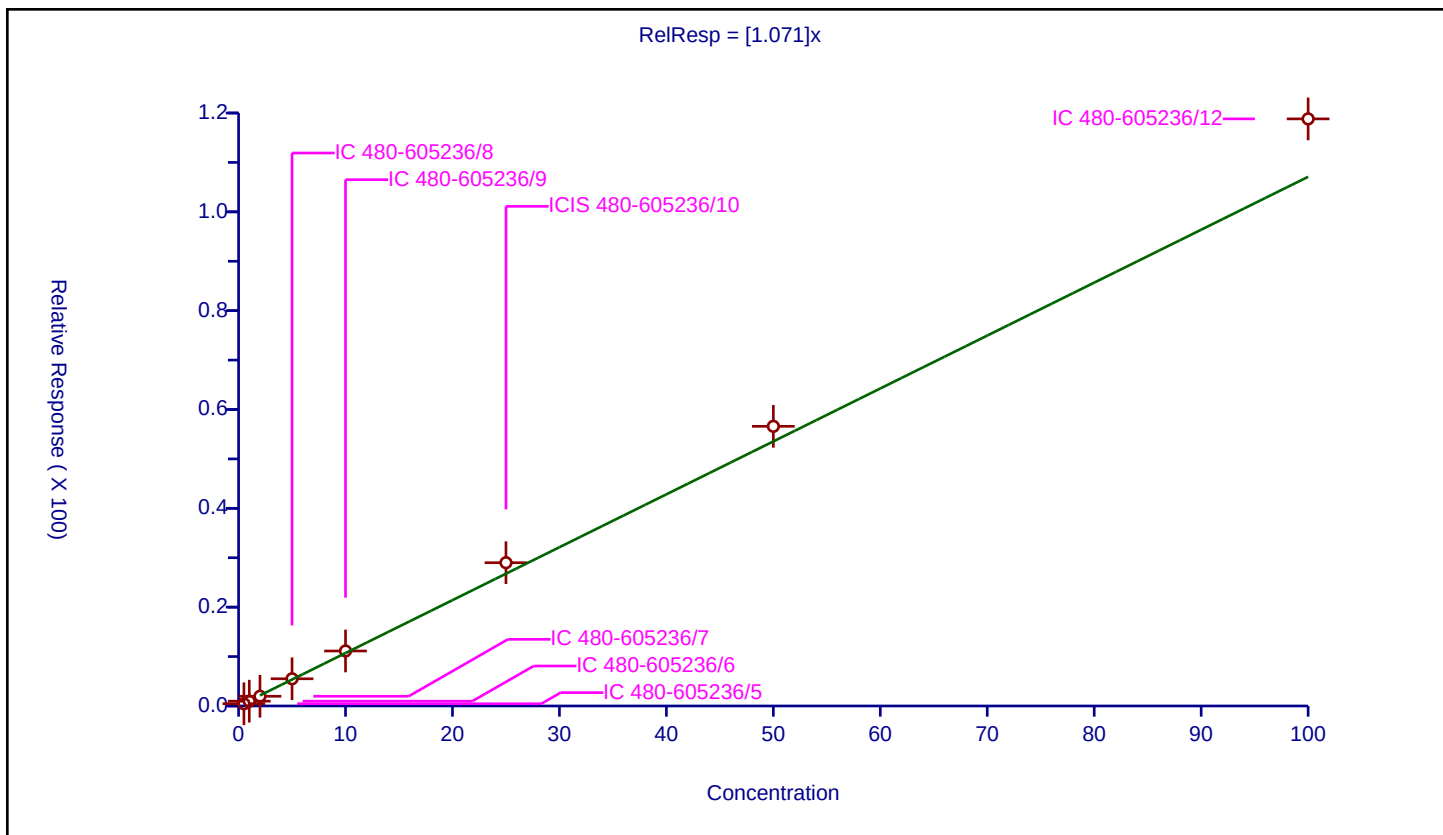
Curve Coefficients

Intercept: 0
 Slope: 1.071

Error Coefficients

Standard Error: 1760000
 Relative Standard Error: 9.3
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.457627	25.0	735533.0	0.915255	Y
2	IC 480-605236/6	1.0	0.972921	25.0	736699.0	0.972921	Y
3	IC 480-605236/7	2.0	1.968836	25.0	744412.0	0.984418	Y
4	IC 480-605236/8	5.0	5.506936	25.0	713019.0	1.101387	Y
5	IC 480-605236/9	10.0	11.130694	25.0	755757.0	1.113069	Y
6	ICIS 480-605236/10	25.0	28.998253	25.0	771512.0	1.15993	Y
7	IC 480-605236/11	50.0	56.59791	25.0	796184.0	1.131958	Y
8	IC 480-605236/12	100.0	118.812558	25.0	877188.0	1.188126	Y



Calibration

/ Bromoform

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

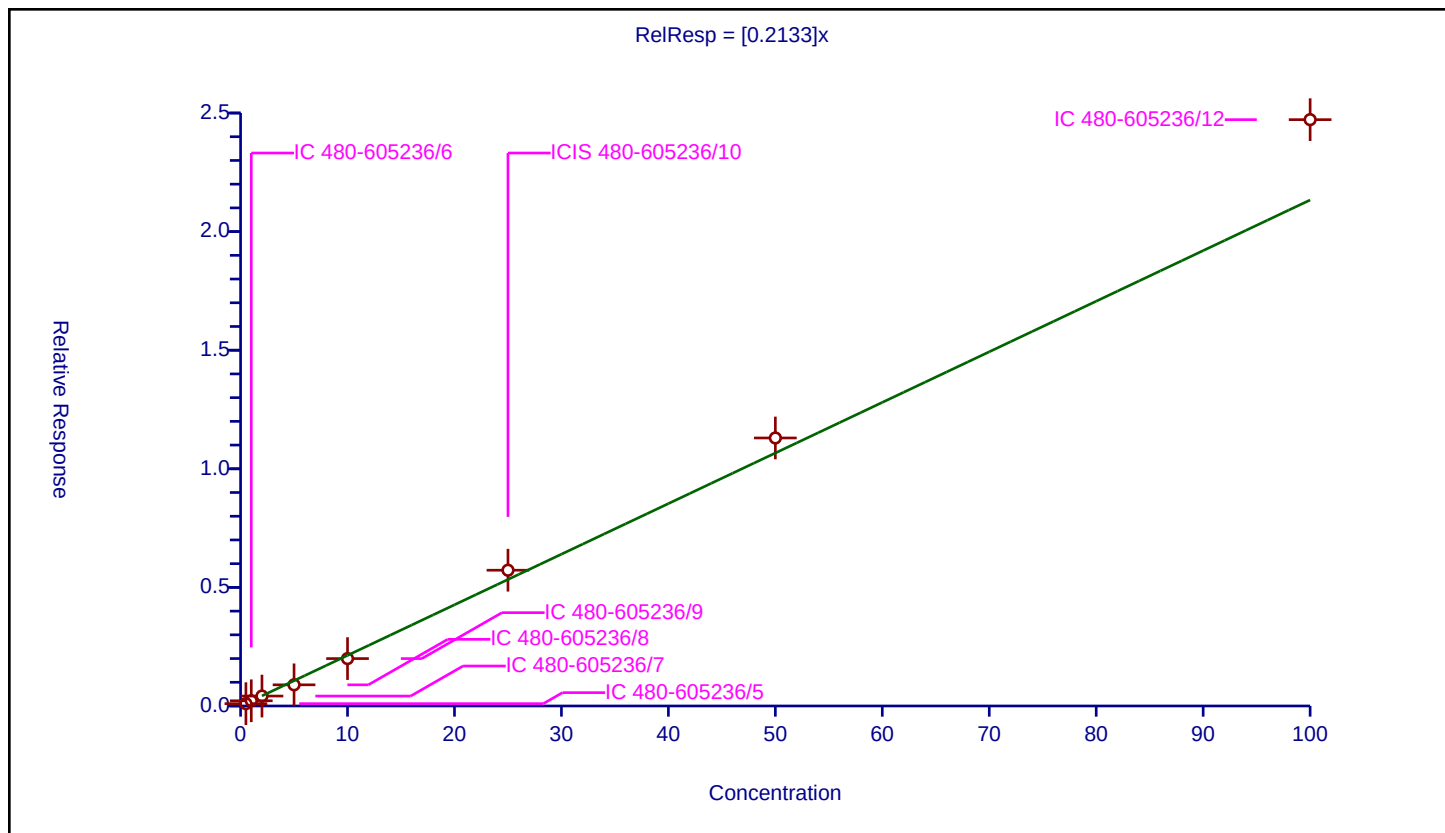
Curve Coefficients

Intercept: 0
 Slope: 0.2133

Error Coefficients

Standard Error: 362000
 Relative Standard Error: 10.1
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.098738	25.0	735533.0	0.197476	Y
2	IC 480-605236/6	1.0	0.219255	25.0	736699.0	0.219255	Y
3	IC 480-605236/7	2.0	0.41882	25.0	744412.0	0.20941	Y
4	IC 480-605236/8	5.0	0.892017	25.0	713019.0	0.178403	Y
5	IC 480-605236/9	10.0	1.998195	25.0	755757.0	0.19982	Y
6	ICIS 480-605236/10	25.0	5.724214	25.0	771512.0	0.228969	Y
7	IC 480-605236/11	50.0	11.299681	25.0	796184.0	0.225994	Y
8	IC 480-605236/12	100.0	24.720356	25.0	877188.0	0.247204	Y



Calibration

/ Isopropylbenzene

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

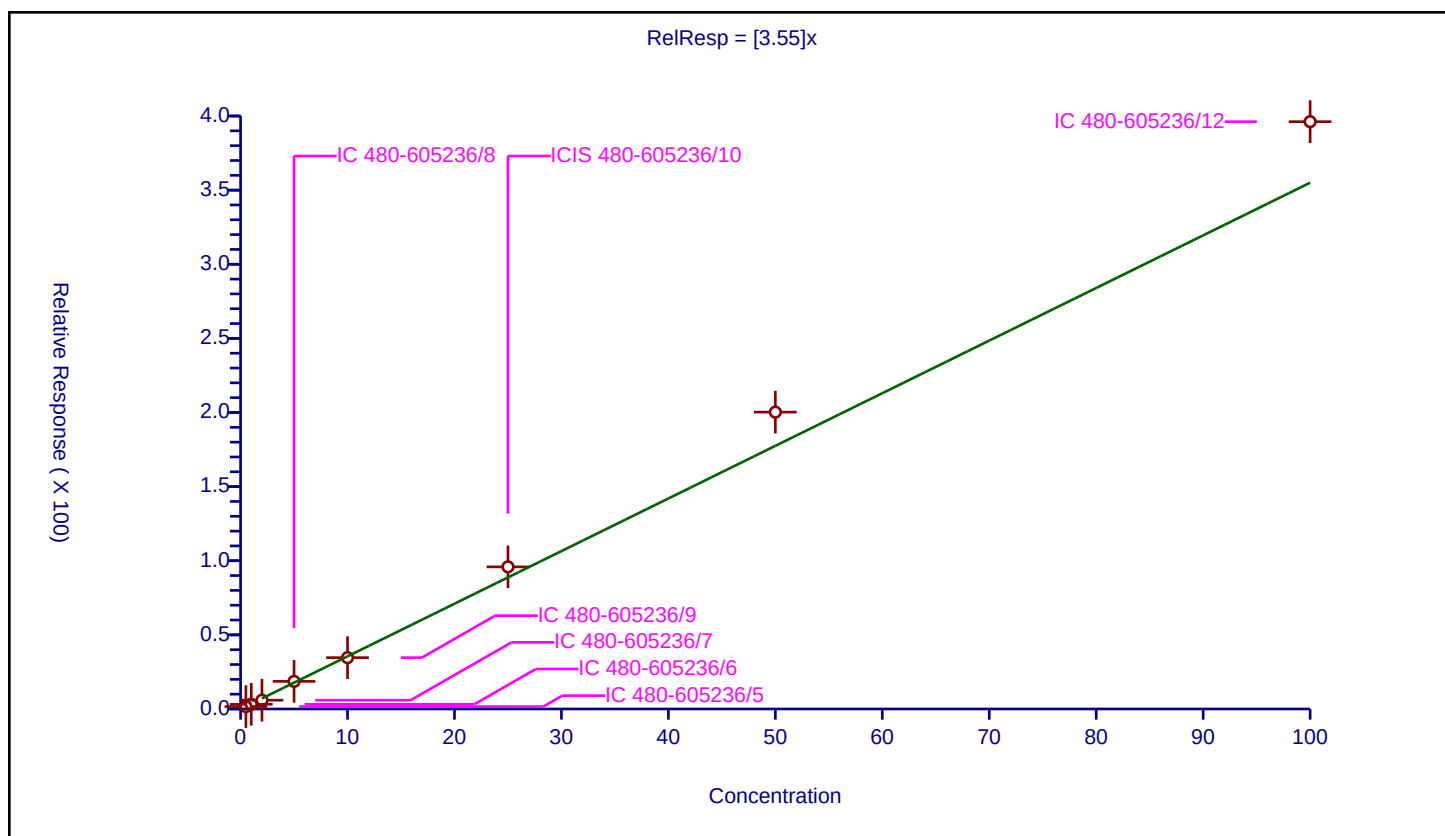
Curve Coefficients

Intercept: 0
 Slope: 3.55

Error Coefficients

Standard Error: 3010000
 Relative Standard Error: 10.9
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.632051	25.0	383398.0	3.264102	Y
2	IC 480-605236/6	1.0	3.181946	25.0	391160.0	3.181946	Y
3	IC 480-605236/7	2.0	5.926936	25.0	379859.0	2.963468	Y
4	IC 480-605236/8	5.0	18.623577	25.0	369643.0	3.724715	Y
5	IC 480-605236/9	10.0	34.635248	25.0	388524.0	3.463525	Y
6	ICIS 480-605236/10	25.0	95.874498	25.0	398297.0	3.83498	Y
7	IC 480-605236/11	50.0	200.254232	25.0	398062.0	4.005085	Y
8	IC 480-605236/12	100.0	396.17908	25.0	449185.0	3.961791	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

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

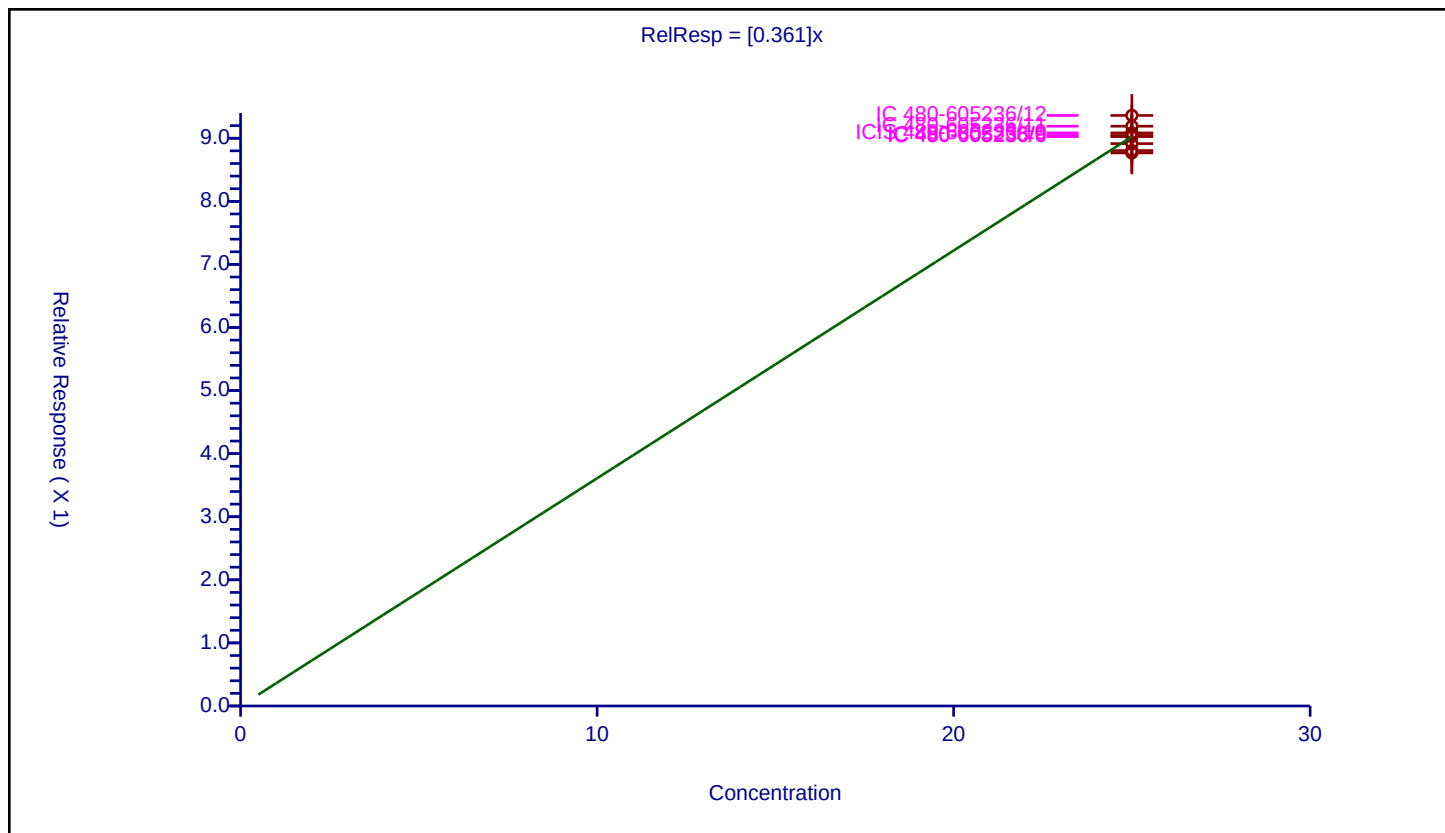
Curve Coefficients

Intercept: 0
 Slope: 0.361

Error Coefficients

Standard Error: 297000
 Relative Standard Error: 2.2
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	25.0	8.91442	25.0	735533.0	0.356577	Y
2	IC 480-605236/6	25.0	9.025871	25.0	736699.0	0.361035	Y
3	IC 480-605236/7	25.0	8.804701	25.0	744412.0	0.352188	Y
4	IC 480-605236/8	25.0	8.766982	25.0	713019.0	0.350679	Y
5	IC 480-605236/9	25.0	9.043945	25.0	755757.0	0.361758	Y
6	ICIS 480-605236/10	25.0	9.084434	25.0	771512.0	0.363377	Y
7	IC 480-605236/11	25.0	9.190558	25.0	796184.0	0.367622	Y
8	IC 480-605236/12	25.0	9.361591	25.0	877188.0	0.374464	Y



Calibration

/ Bromobenzene

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

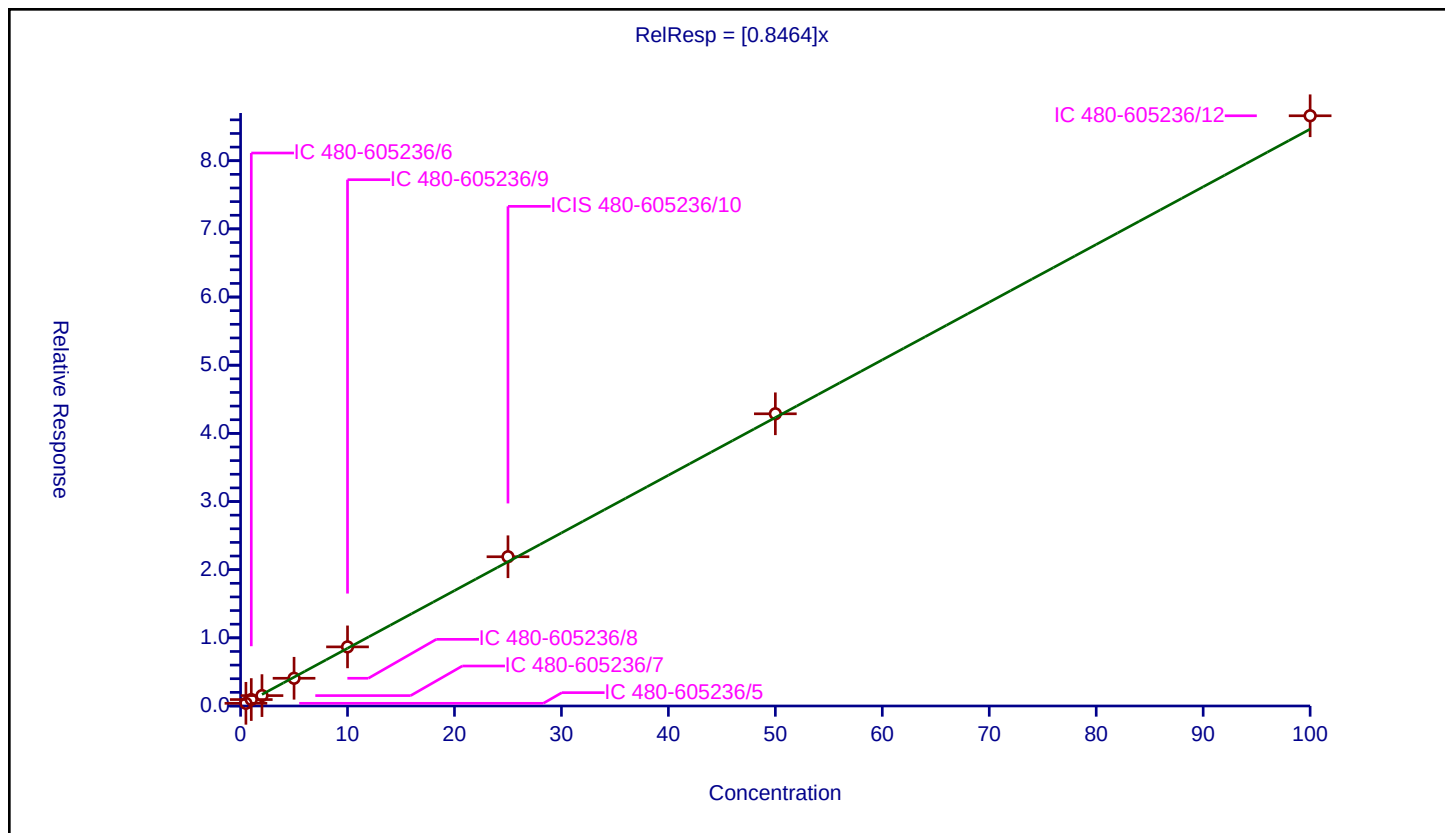
Curve Coefficients

Intercept: 0
 Slope: 0.8464

Error Coefficients

Standard Error: 658000
 Relative Standard Error: 6.8
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.39339	25.0	383398.0	0.78678	Y
2	IC 480-605236/6	1.0	0.943092	25.0	391160.0	0.943092	Y
3	IC 480-605236/7	2.0	1.523328	25.0	379859.0	0.761664	Y
4	IC 480-605236/8	5.0	4.065139	25.0	369643.0	0.813028	Y
5	IC 480-605236/9	10.0	8.6707	25.0	388524.0	0.86707	Y
6	ICIS 480-605236/10	25.0	21.897855	25.0	398297.0	0.875914	Y
7	IC 480-605236/11	50.0	42.872341	25.0	398062.0	0.857447	Y
8	IC 480-605236/12	100.0	86.59667	25.0	449185.0	0.865967	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

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

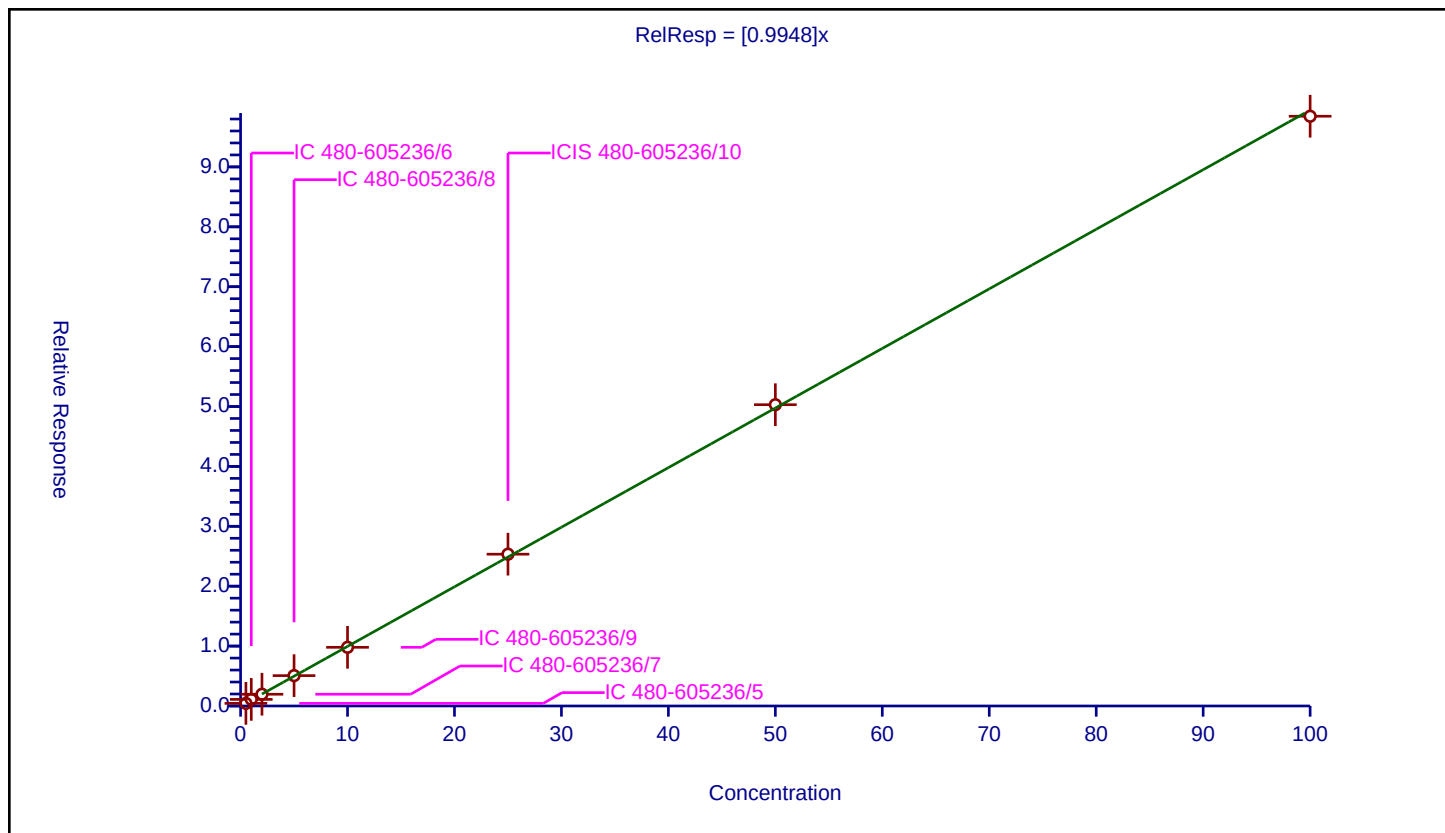
Curve Coefficients

Intercept: 0
 Slope: 0.9948

Error Coefficients

Standard Error: 752000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.440469	25.0	383398.0	0.880938	Y
2	IC 480-605236/6	1.0	1.099997	25.0	391160.0	1.099997	Y
3	IC 480-605236/7	2.0	1.959411	25.0	379859.0	0.979706	Y
4	IC 480-605236/8	5.0	5.070771	25.0	369643.0	1.014154	Y
5	IC 480-605236/9	10.0	9.79592	25.0	388524.0	0.979592	Y
6	ICIS 480-605236/10	25.0	25.34478	25.0	398297.0	1.013791	Y
7	IC 480-605236/11	50.0	50.300393	25.0	398062.0	1.006008	Y
8	IC 480-605236/12	100.0	98.459098	25.0	449185.0	0.984591	Y



Calibration

/ N-Propylbenzene

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

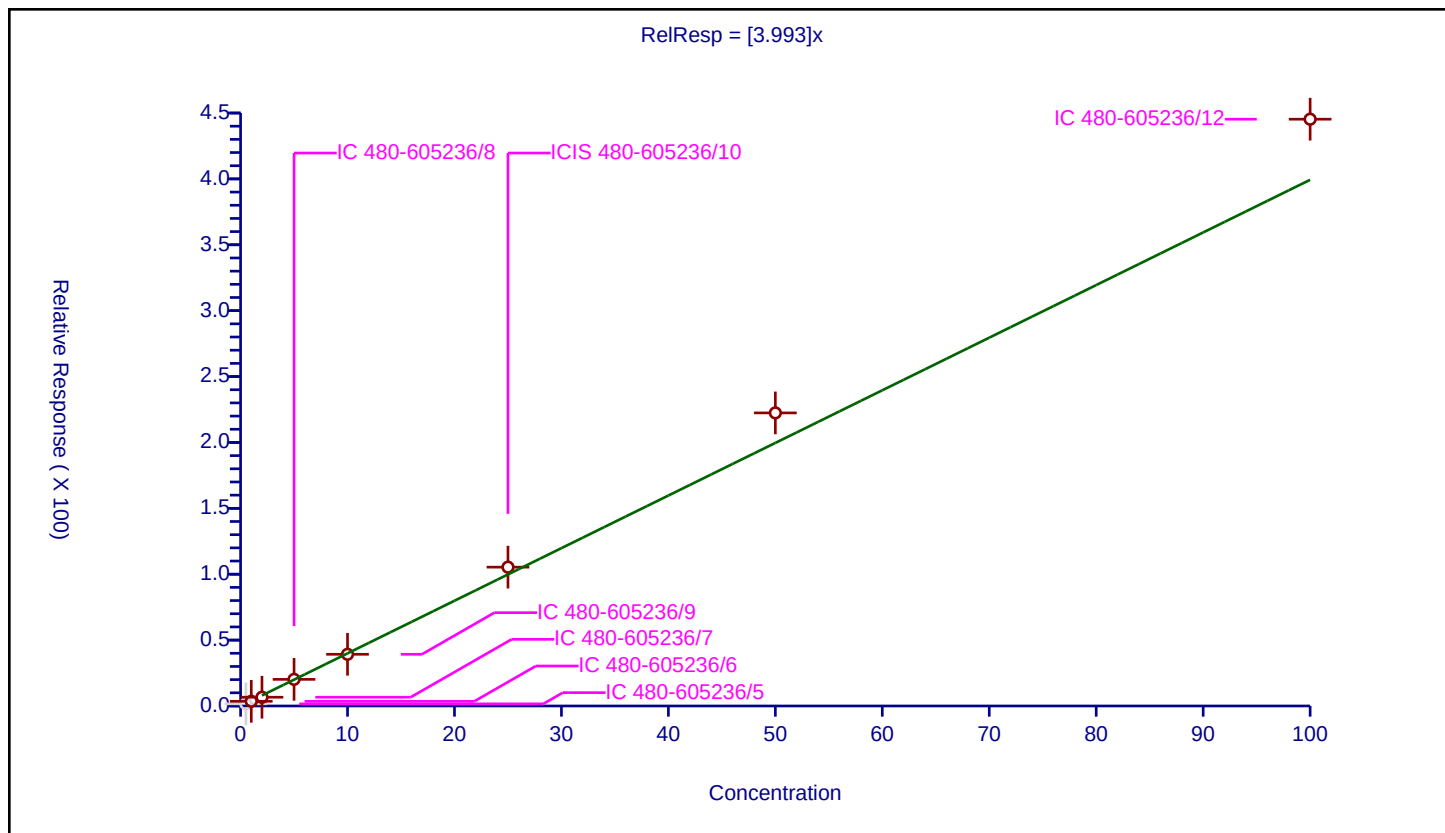
Curve Coefficients

Intercept: 0
 Slope: 3.993

Error Coefficients

Standard Error: 3650000
 Relative Standard Error: 10.8
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.62853	25.0	383398.0	3.257059	N
2	IC 480-605236/6	1.0	3.550913	25.0	391160.0	3.550913	Y
3	IC 480-605236/7	2.0	6.63924	25.0	379859.0	3.31962	Y
4	IC 480-605236/8	5.0	20.202195	25.0	369643.0	4.040439	Y
5	IC 480-605236/9	10.0	39.236765	25.0	388524.0	3.923677	Y
6	ICIS 480-605236/10	25.0	105.358187	25.0	398297.0	4.214327	Y
7	IC 480-605236/11	50.0	222.408758	25.0	398062.0	4.448175	Y
8	IC 480-605236/12	100.0	445.30227	25.0	449185.0	4.453023	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

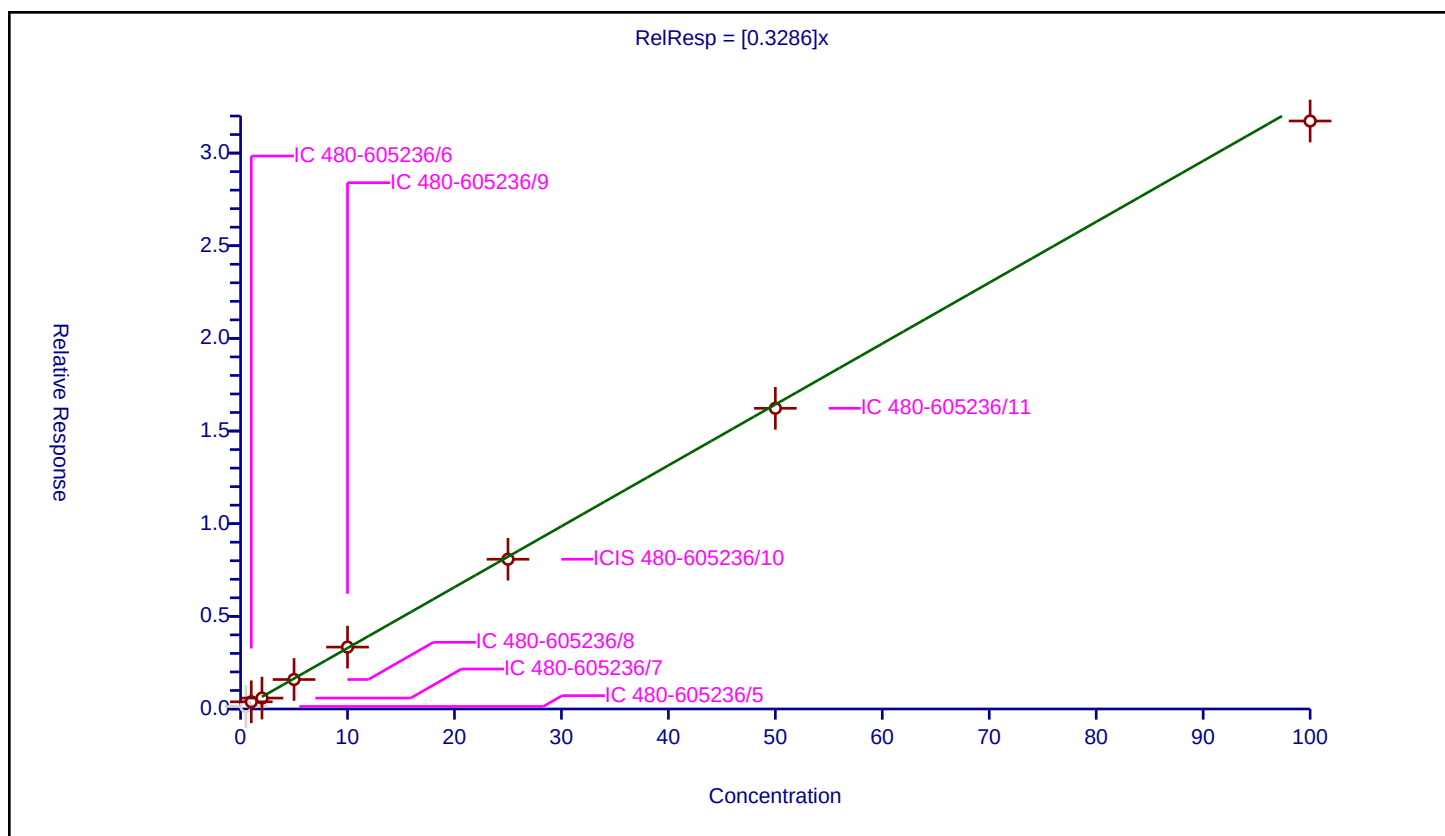
Curve Coefficients

Intercept: 0
 Slope: 0.3286

Error Coefficients

Standard Error: 262000
 Relative Standard Error: 8.8
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.137781	25.0	383398.0	0.275562	N
2	IC 480-605236/6	1.0	0.388332	25.0	391160.0	0.388332	Y
3	IC 480-605236/7	2.0	0.589692	25.0	379859.0	0.294846	Y
4	IC 480-605236/8	5.0	1.590183	25.0	369643.0	0.318037	Y
5	IC 480-605236/9	10.0	3.340656	25.0	388524.0	0.334066	Y
6	ICIS 480-605236/10	25.0	8.081783	25.0	398297.0	0.323271	Y
7	IC 480-605236/11	50.0	16.226932	25.0	398062.0	0.324539	Y
8	IC 480-605236/12	100.0	31.731581	25.0	449185.0	0.317316	Y



Calibration

/ trans-1,4-Dichloro-2-butene

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

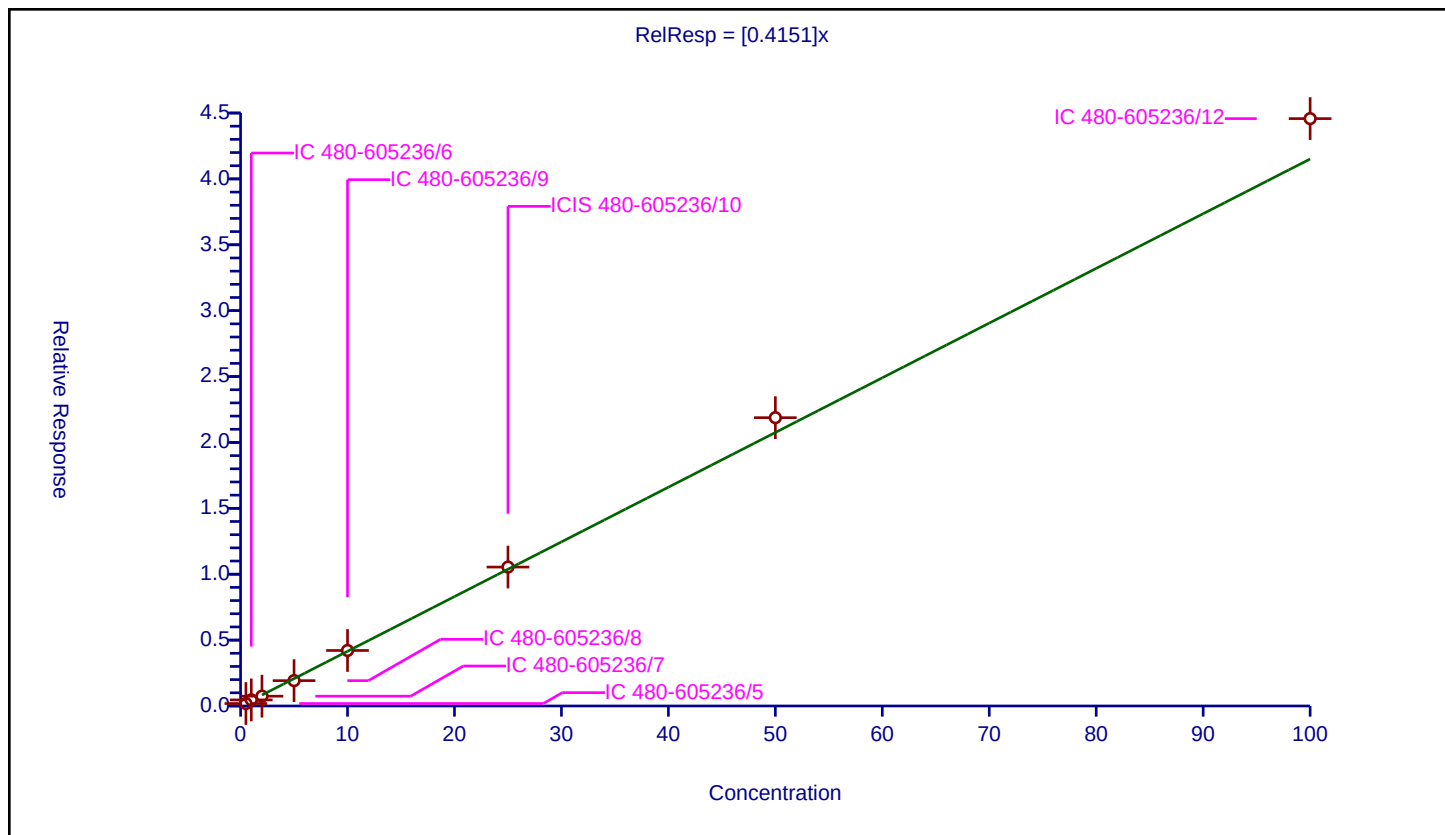
Curve Coefficients

Intercept: 0
 Slope: 0.4151

Error Coefficients

Standard Error: 337000
 Relative Standard Error: 8.1
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.18812	25.0	383398.0	0.376241	Y
2	IC 480-605236/6	1.0	0.461576	25.0	391160.0	0.461576	Y
3	IC 480-605236/7	2.0	0.744224	25.0	379859.0	0.372112	Y
4	IC 480-605236/8	5.0	1.922801	25.0	369643.0	0.38456	Y
5	IC 480-605236/9	10.0	4.212224	25.0	388524.0	0.421222	Y
6	ICIS 480-605236/10	25.0	10.542698	25.0	398297.0	0.421708	Y
7	IC 480-605236/11	50.0	21.878313	25.0	398062.0	0.437566	Y
8	IC 480-605236/12	100.0	44.574952	25.0	449185.0	0.44575	Y



Calibration

/ 2-Chlorotoluene

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

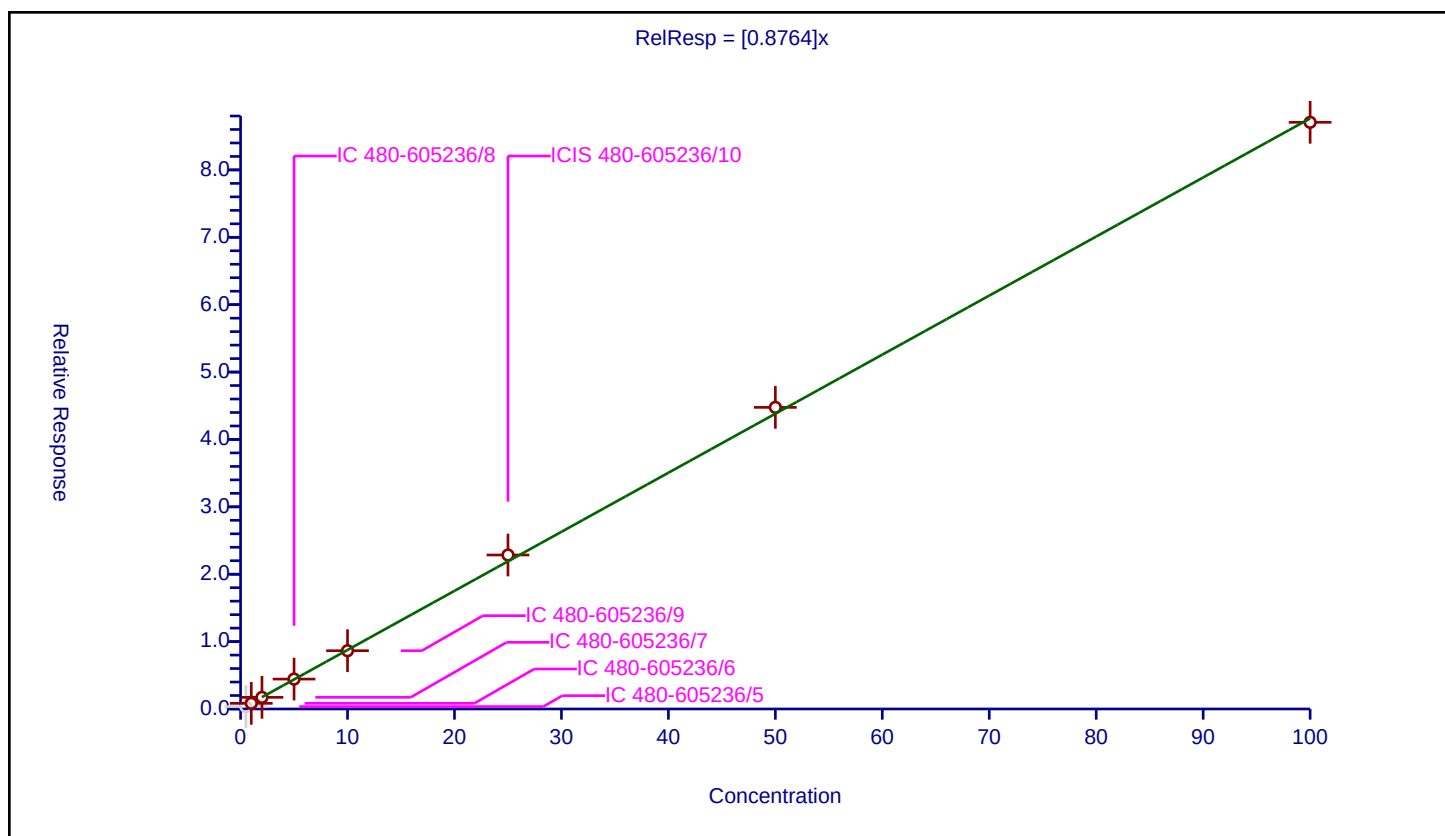
Curve Coefficients

Intercept: 0
 Slope: 0.8764

Error Coefficients

Standard Error: 720000
 Relative Standard Error: 2.8
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.35707	25.0	383398.0	0.71414	N
2	IC 480-605236/6	1.0	0.83802	25.0	391160.0	0.83802	Y
3	IC 480-605236/7	2.0	1.727746	25.0	379859.0	0.863873	Y
4	IC 480-605236/8	5.0	4.440027	25.0	369643.0	0.888005	Y
5	IC 480-605236/9	10.0	8.649723	25.0	388524.0	0.864972	Y
6	ICIS 480-605236/10	25.0	22.8538	25.0	398297.0	0.914152	Y
7	IC 480-605236/11	50.0	44.760678	25.0	398062.0	0.895214	Y
8	IC 480-605236/12	100.0	87.06435	25.0	449185.0	0.870643	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

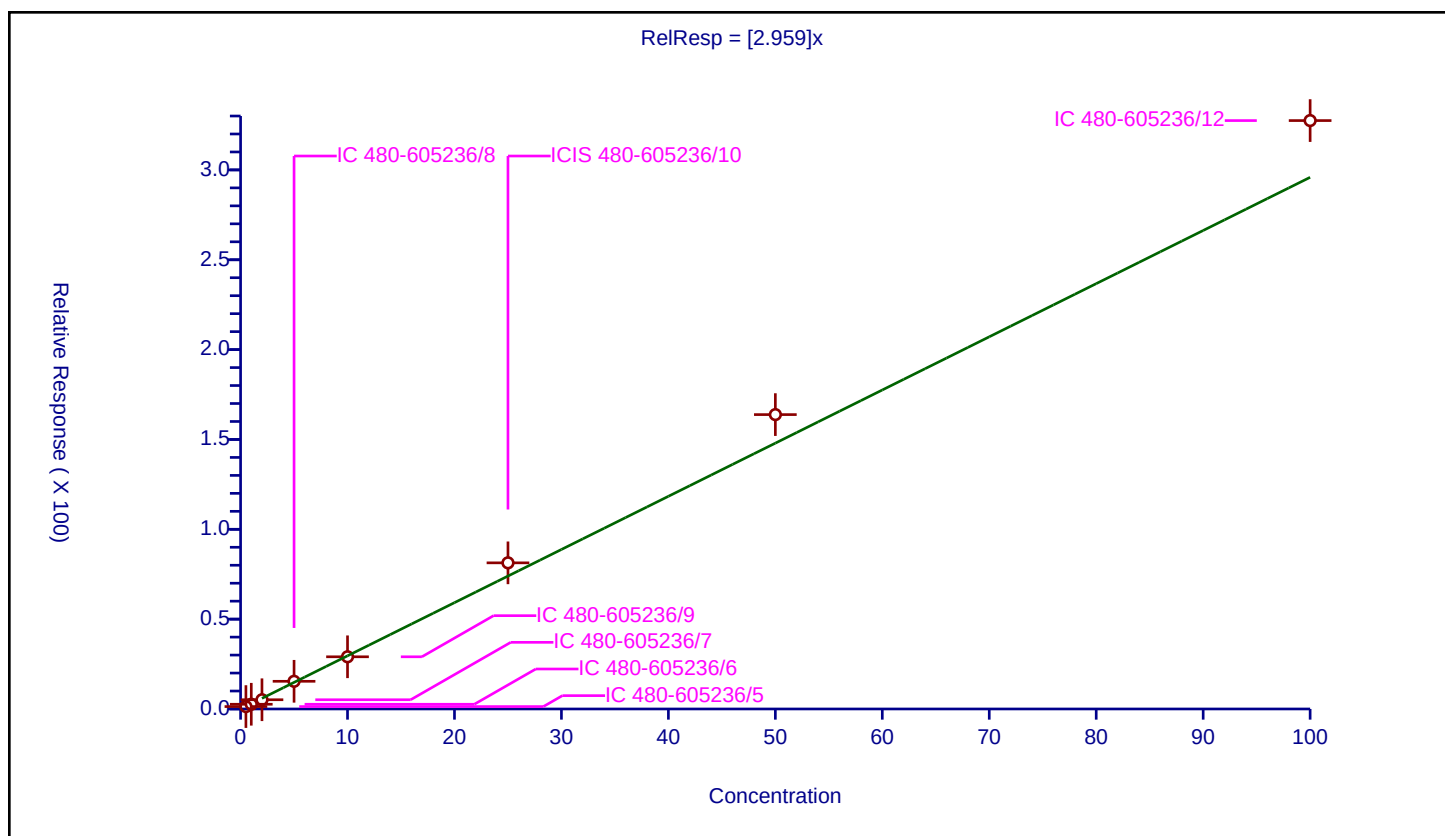
Curve Coefficients

Intercept: 0
 Slope: 2.959

Error Coefficients

Standard Error: 2490000
 Relative Standard Error: 10.2
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.335623	25.0	383398.0	2.671245	Y
2	IC 480-605236/6	1.0	2.632491	25.0	391160.0	2.632491	Y
3	IC 480-605236/7	2.0	5.148687	25.0	379859.0	2.574343	Y
4	IC 480-605236/8	5.0	15.413521	25.0	369643.0	3.082704	Y
5	IC 480-605236/9	10.0	29.052517	25.0	388524.0	2.905252	Y
6	ICIS 480-605236/10	25.0	81.334783	25.0	398297.0	3.253391	Y
7	IC 480-605236/11	50.0	163.830948	25.0	398062.0	3.276619	Y
8	IC 480-605236/12	100.0	327.465855	25.0	449185.0	3.274659	Y



Calibration

/ 4-Chlorotoluene

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

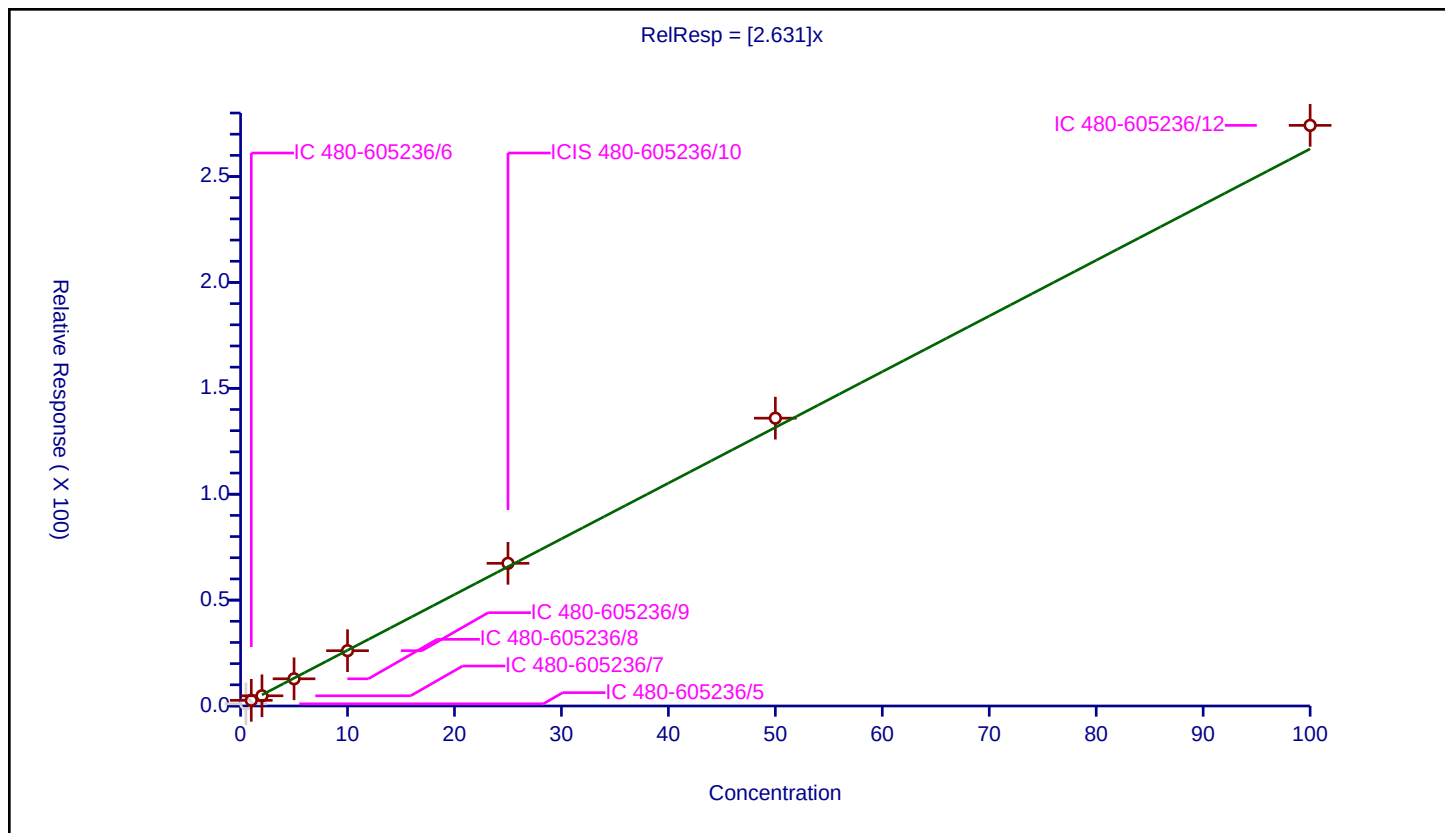
Curve Coefficients

Intercept: 0
 Slope: 2.631

Error Coefficients

Standard Error: 2250000
 Relative Standard Error: 4.4
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.031043	25.0	383398.0	2.062087	N
2	IC 480-605236/6	1.0	2.672628	25.0	391160.0	2.672628	Y
3	IC 480-605236/7	2.0	4.814681	25.0	379859.0	2.407341	Y
4	IC 480-605236/8	5.0	12.842121	25.0	369643.0	2.568424	Y
5	IC 480-605236/9	10.0	26.111128	25.0	388524.0	2.611113	Y
6	ICIS 480-605236/10	25.0	67.375539	25.0	398297.0	2.695022	Y
7	IC 480-605236/11	50.0	135.915008	25.0	398062.0	2.7183	Y
8	IC 480-605236/12	100.0	274.168049	25.0	449185.0	2.74168	Y



Calibration

/ tert-Butylbenzene

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

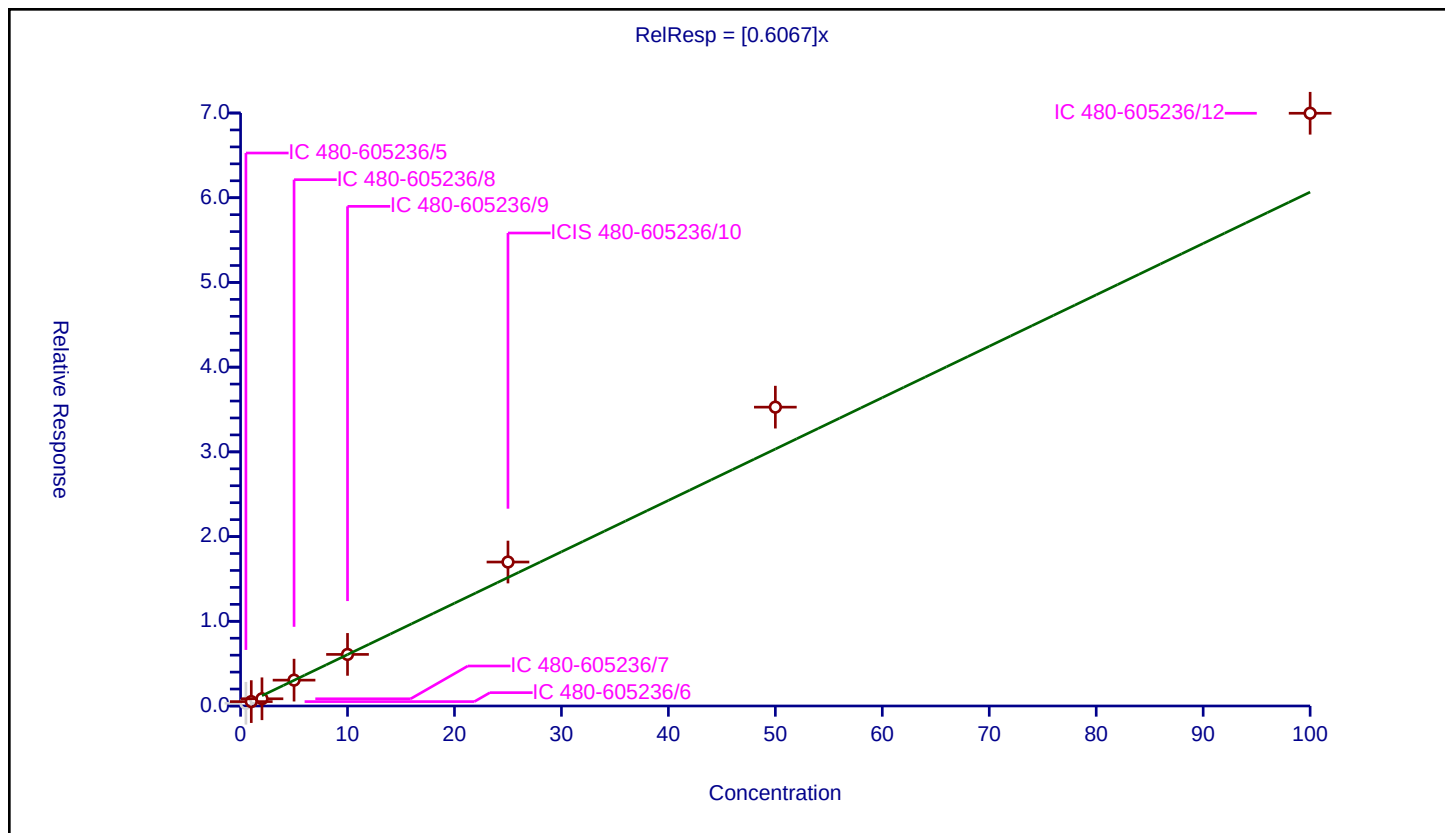
Curve Coefficients

Intercept: 0
 Slope: 0.6067

Error Coefficients

Standard Error: 575000
 Relative Standard Error: 17.1
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.321728	25.0	383398.0	0.643457	N
2	IC 480-605236/6	1.0	0.516732	25.0	391160.0	0.516732	Y
3	IC 480-605236/7	2.0	0.851171	25.0	379859.0	0.425586	Y
4	IC 480-605236/8	5.0	3.052269	25.0	369643.0	0.610454	Y
5	IC 480-605236/9	10.0	6.08817	25.0	388524.0	0.608817	Y
6	ICIS 480-605236/10	25.0	16.993286	25.0	398297.0	0.679731	Y
7	IC 480-605236/11	50.0	35.278864	25.0	398062.0	0.705577	Y
8	IC 480-605236/12	100.0	69.970502	25.0	449185.0	0.699705	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

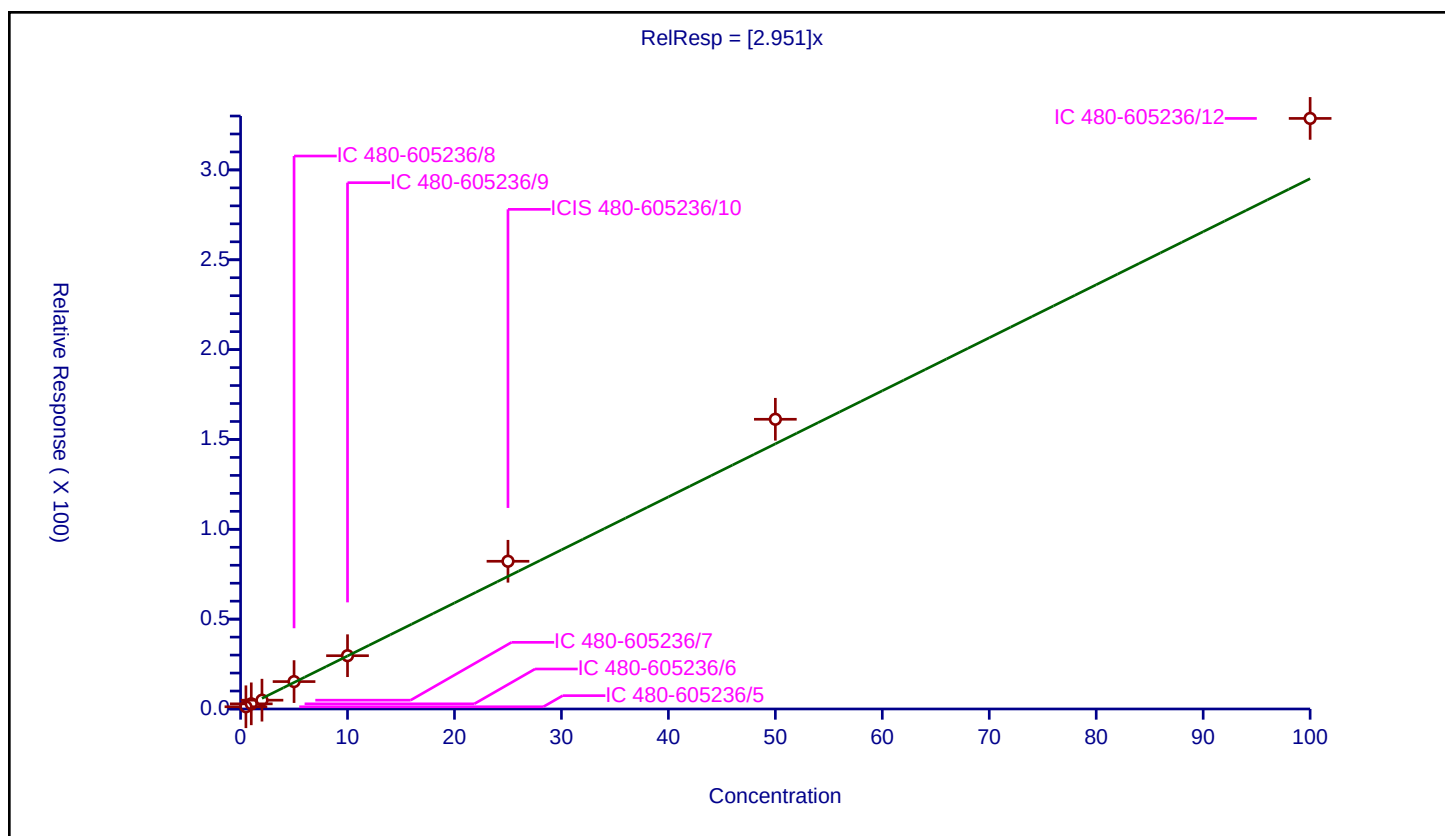
Curve Coefficients

Intercept: 0
 Slope: 2.951

Error Coefficients

Standard Error: 2490000
 Relative Standard Error: 11.5
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.232922	25.0	383398.0	2.465845	Y
2	IC 480-605236/6	1.0	2.876828	25.0	391160.0	2.876828	Y
3	IC 480-605236/7	2.0	4.903201	25.0	379859.0	2.4516	Y
4	IC 480-605236/8	5.0	15.250999	25.0	369643.0	3.0502	Y
5	IC 480-605236/9	10.0	29.661166	25.0	388524.0	2.966117	Y
6	ICIS 480-605236/10	25.0	82.215972	25.0	398297.0	3.288639	Y
7	IC 480-605236/11	50.0	161.240586	25.0	398062.0	3.224812	Y
8	IC 480-605236/12	100.0	328.659739	25.0	449185.0	3.286597	Y



Calibration

/ sec-Butylbenzene

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

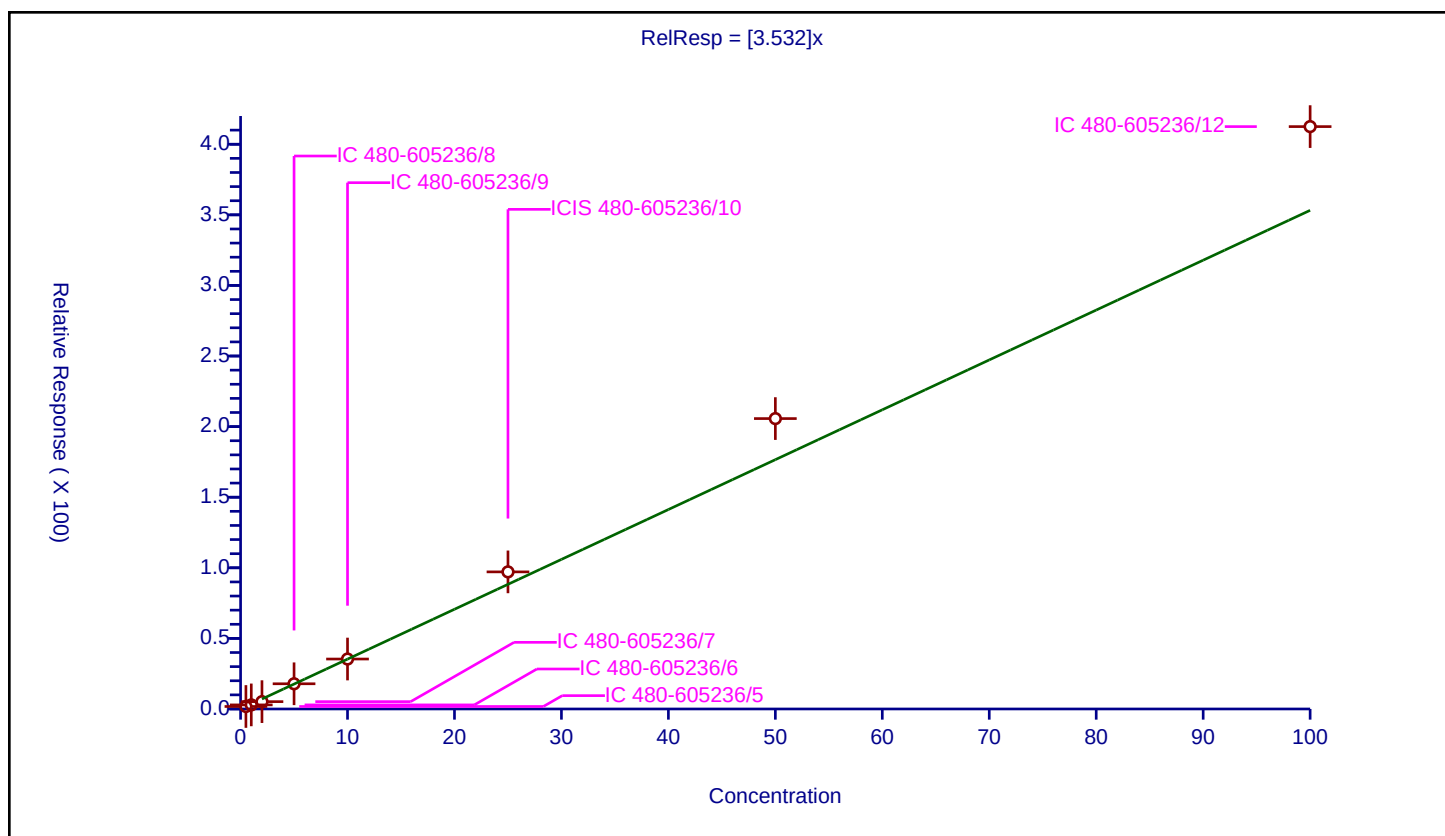
Curve Coefficients

Intercept: 0
Slope: 3.532

Error Coefficients

Standard Error: 3130000
Relative Standard Error: 15.4
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.759138	25.0	383398.0	3.518276	Y
2	IC 480-605236/6	1.0	2.905461	25.0	391160.0	2.905461	Y
3	IC 480-605236/7	2.0	5.201075	25.0	379859.0	2.600537	Y
4	IC 480-605236/8	5.0	17.852022	25.0	369643.0	3.570404	Y
5	IC 480-605236/9	10.0	35.377737	25.0	388524.0	3.537774	Y
6	ICIS 480-605236/10	25.0	97.106682	25.0	398297.0	3.884267	Y
7	IC 480-605236/11	50.0	205.688687	25.0	398062.0	4.113774	Y
8	IC 480-605236/12	100.0	412.506206	25.0	449185.0	4.125062	Y



Calibration

/ 1,3-Dichlorobenzene

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

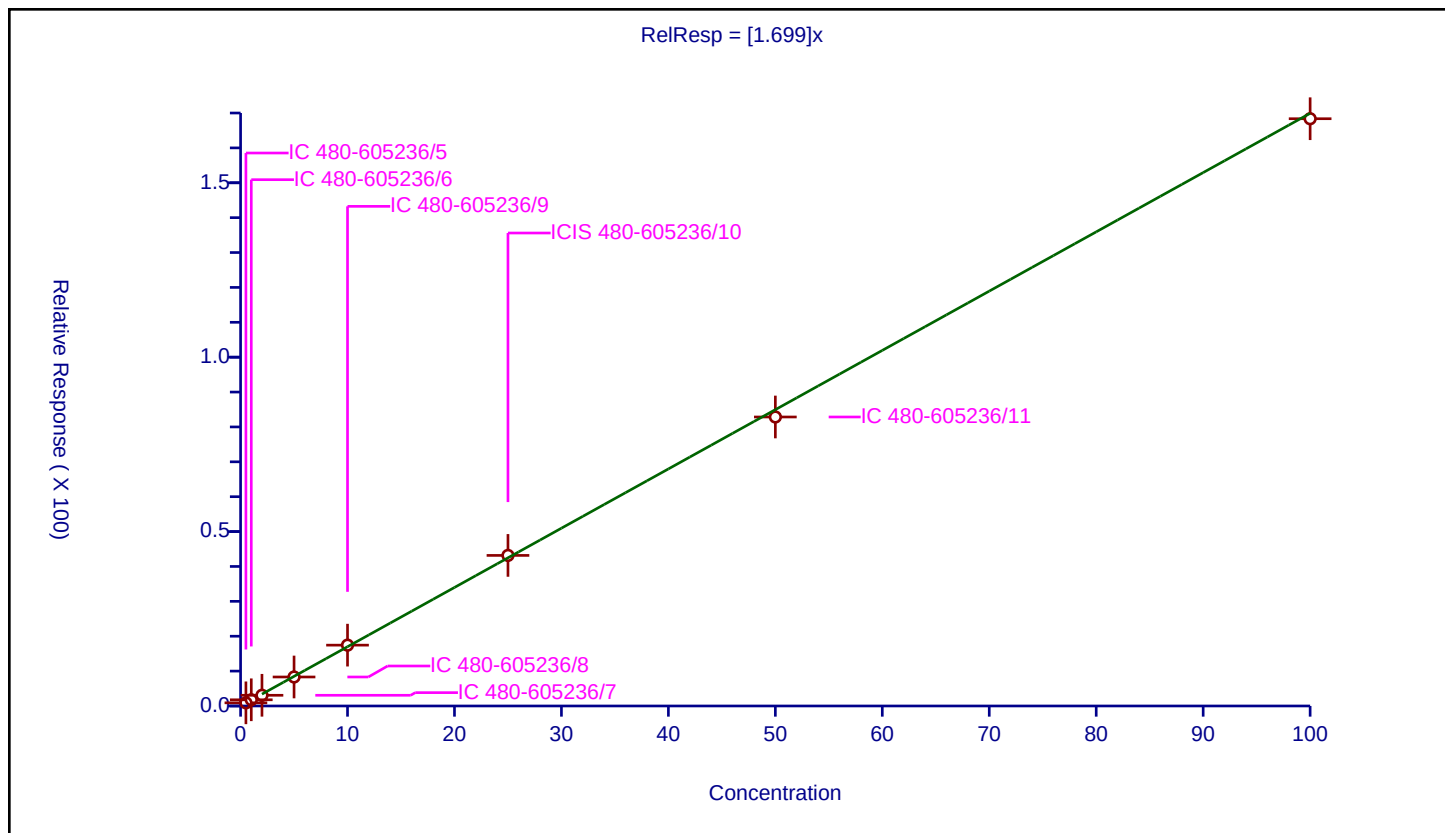
Curve Coefficients

Intercept: 0
 Slope: 1.699

Error Coefficients

Standard Error: 1280000
 Relative Standard Error: 5.0
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.902652	25.0	383398.0	1.805304	Y
2	IC 480-605236/6	1.0	1.780026	25.0	391160.0	1.780026	Y
3	IC 480-605236/7	2.0	3.066467	25.0	379859.0	1.533233	Y
4	IC 480-605236/8	5.0	8.312006	25.0	369643.0	1.662401	Y
5	IC 480-605236/9	10.0	17.443581	25.0	388524.0	1.744358	Y
6	ICIS 480-605236/10	25.0	43.167724	25.0	398297.0	1.726709	Y
7	IC 480-605236/11	50.0	82.851227	25.0	398062.0	1.657025	Y
8	IC 480-605236/12	100.0	168.364315	25.0	449185.0	1.683643	Y



Calibration

/ 4-Isopropyltoluene

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

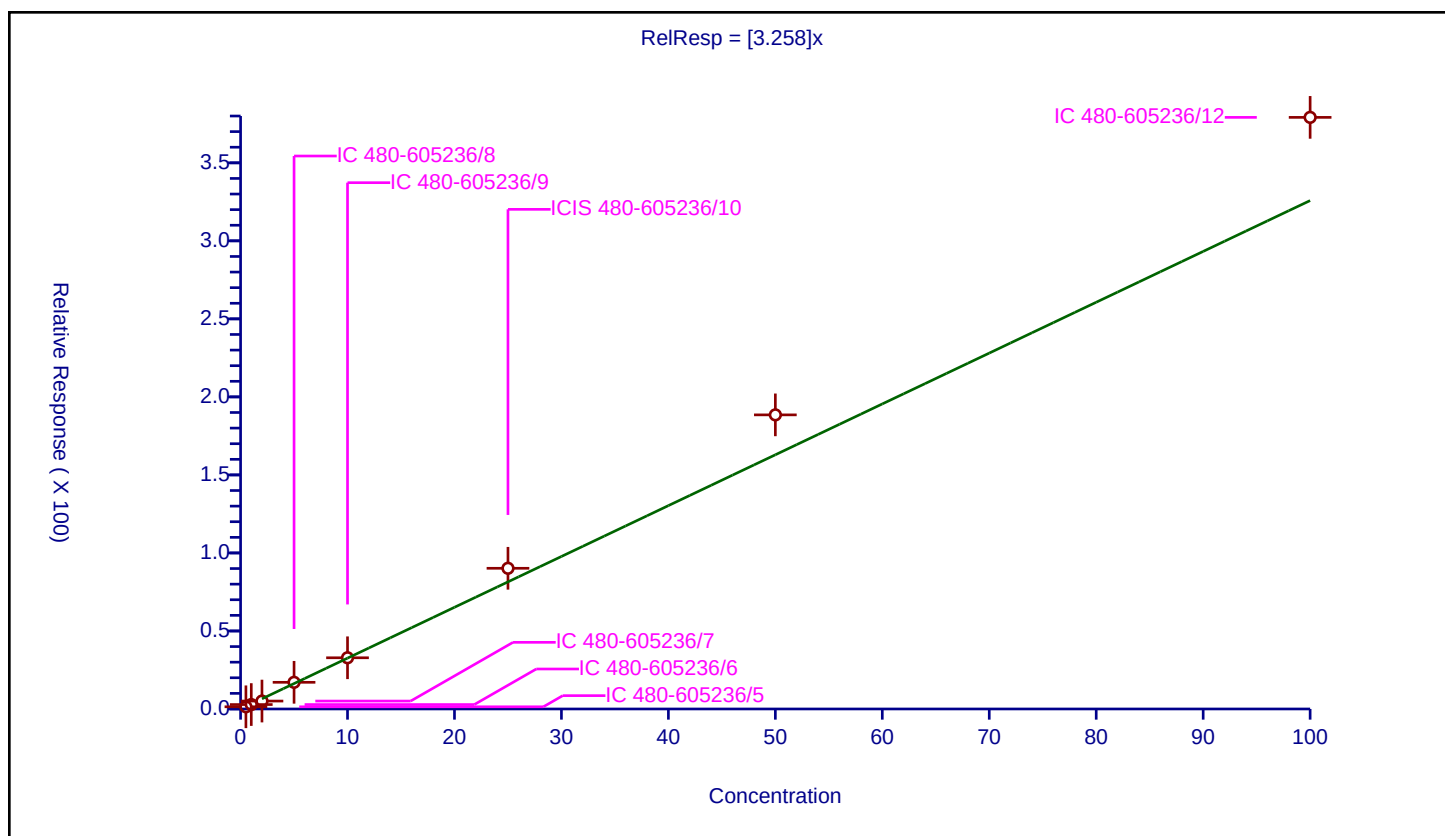
Curve Coefficients

Intercept: 0
 Slope: 3.258

Error Coefficients

Standard Error: 2870000
 Relative Standard Error: 14.6
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.401742	25.0	383398.0	2.803484	Y
2	IC 480-605236/6	1.0	2.849921	25.0	391160.0	2.849921	Y
3	IC 480-605236/7	2.0	5.084584	25.0	379859.0	2.542292	Y
4	IC 480-605236/8	5.0	17.093385	25.0	369643.0	3.418677	Y
5	IC 480-605236/9	10.0	32.824806	25.0	388524.0	3.282481	Y
6	ICIS 480-605236/10	25.0	90.176866	25.0	398297.0	3.607075	Y
7	IC 480-605236/11	50.0	188.476921	25.0	398062.0	3.769538	Y
8	IC 480-605236/12	100.0	379.133375	25.0	449185.0	3.791334	Y



Calibration

/ 1,4-Dichlorobenzene

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

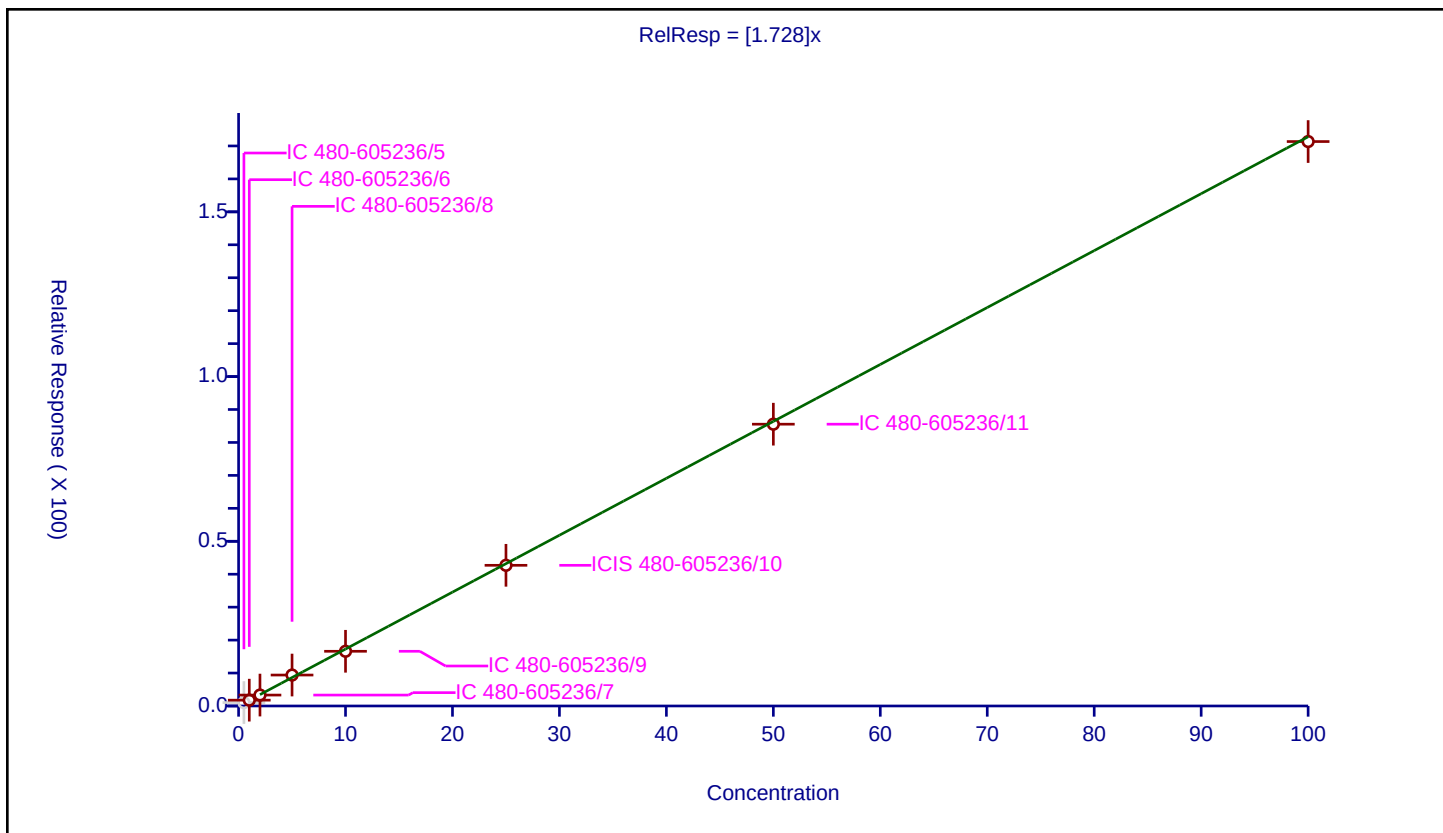
Curve Coefficients

Intercept: 0
 Slope: 1.728

Error Coefficients

Standard Error: 1410000
 Relative Standard Error: 4.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.038412	25.0	383398.0	2.076824	N
2	IC 480-605236/6	1.0	1.765262	25.0	391160.0	1.765262	Y
3	IC 480-605236/7	2.0	3.316823	25.0	379859.0	1.658411	Y
4	IC 480-605236/8	5.0	9.393185	25.0	369643.0	1.878637	Y
5	IC 480-605236/9	10.0	16.60734	25.0	388524.0	1.660734	Y
6	ICIS 480-605236/10	25.0	42.701301	25.0	398297.0	1.708052	Y
7	IC 480-605236/11	50.0	85.541511	25.0	398062.0	1.71083	Y
8	IC 480-605236/12	100.0	171.339704	25.0	449185.0	1.713397	Y



Calibration

/ n-Butylbenzene

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

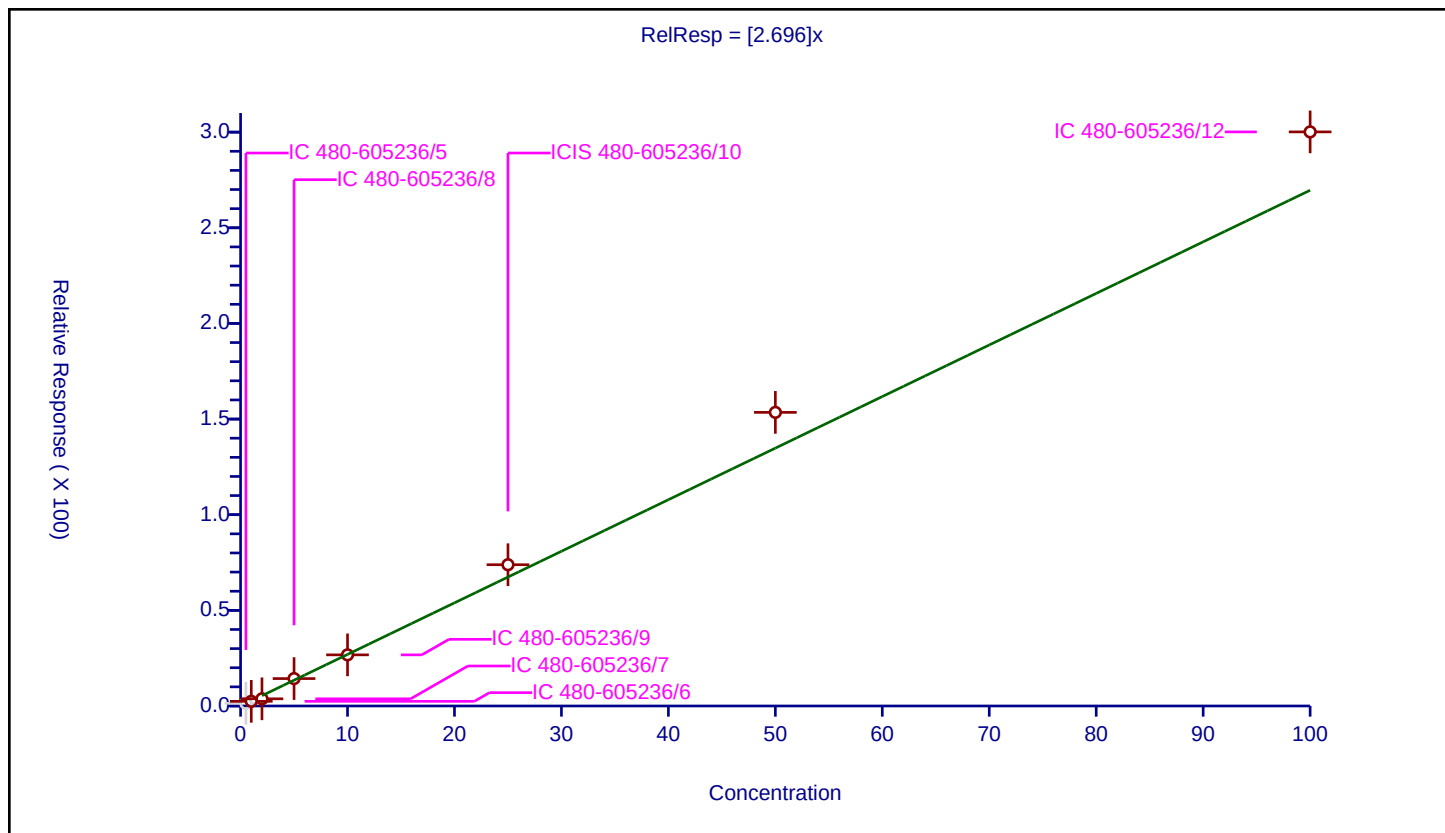
Curve Coefficients

Intercept: 0
 Slope: 2.696

Error Coefficients

Standard Error: 2470000
 Relative Standard Error: 15.6
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.406697	25.0	383398.0	2.813395	N
2	IC 480-605236/6	1.0	2.428993	25.0	391160.0	2.428993	Y
3	IC 480-605236/7	2.0	3.760408	25.0	379859.0	1.880204	Y
4	IC 480-605236/8	5.0	14.323415	25.0	369643.0	2.864683	Y
5	IC 480-605236/9	10.0	26.732068	25.0	388524.0	2.673207	Y
6	ICIS 480-605236/10	25.0	73.857009	25.0	398297.0	2.95428	Y
7	IC 480-605236/11	50.0	153.499832	25.0	398062.0	3.069997	Y
8	IC 480-605236/12	100.0	300.126952	25.0	449185.0	3.00127	Y



Calibration

/ 1,2-Dichlorobenzene

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

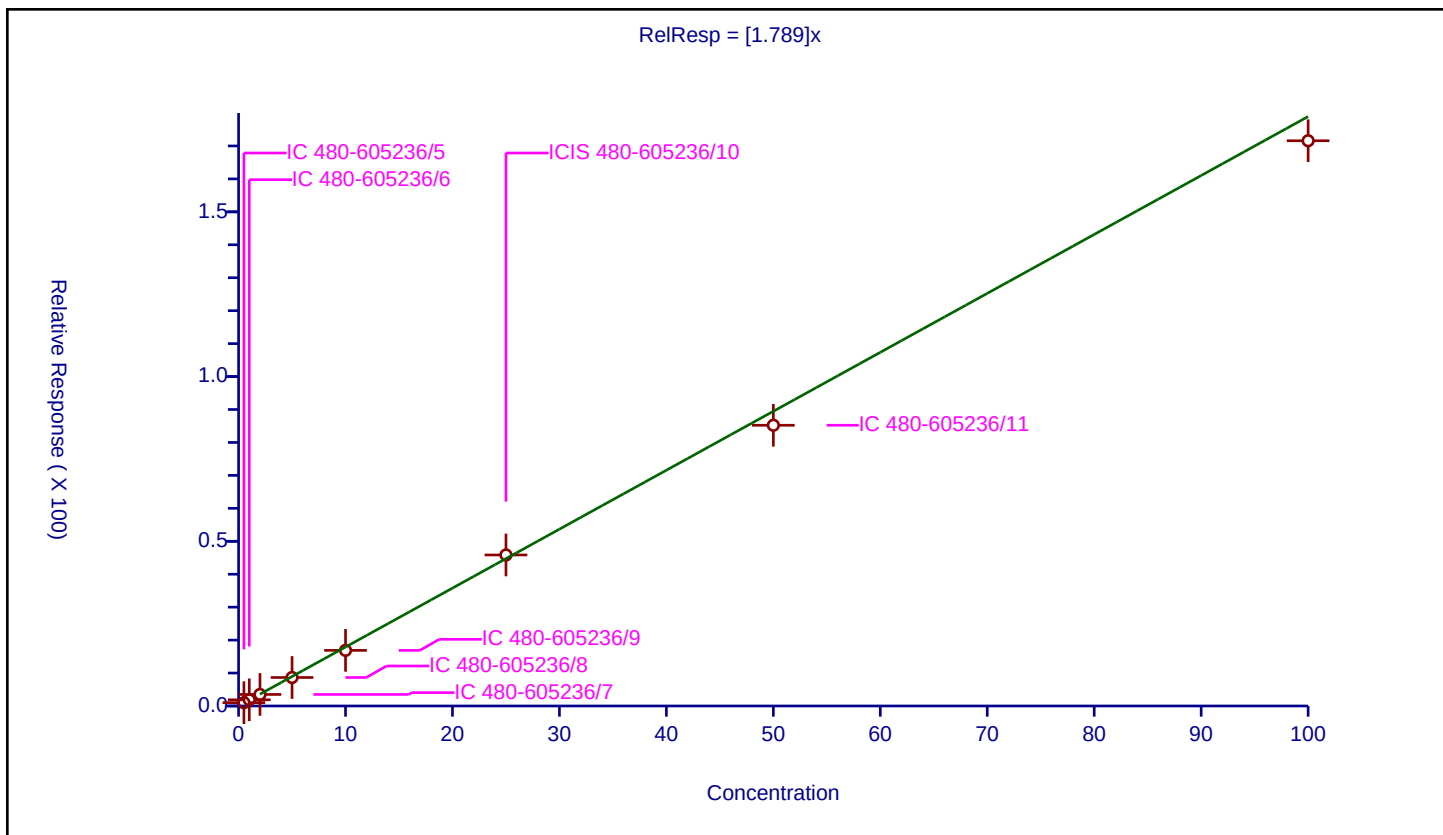
Curve Coefficients

Intercept: 0
 Slope: 1.789

Error Coefficients

Standard Error: 1310000
 Relative Standard Error: 6.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.009851	25.0	383398.0	2.019703	Y
2	IC 480-605236/6	1.0	1.873147	25.0	391160.0	1.873147	Y
3	IC 480-605236/7	2.0	3.499061	25.0	379859.0	1.749531	Y
4	IC 480-605236/8	5.0	8.646383	25.0	369643.0	1.729277	Y
5	IC 480-605236/9	10.0	16.879974	25.0	388524.0	1.687997	Y
6	ICIS 480-605236/10	25.0	45.84663	25.0	398297.0	1.833865	Y
7	IC 480-605236/11	50.0	85.219514	25.0	398062.0	1.70439	Y
8	IC 480-605236/12	100.0	171.581865	25.0	449185.0	1.715819	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

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

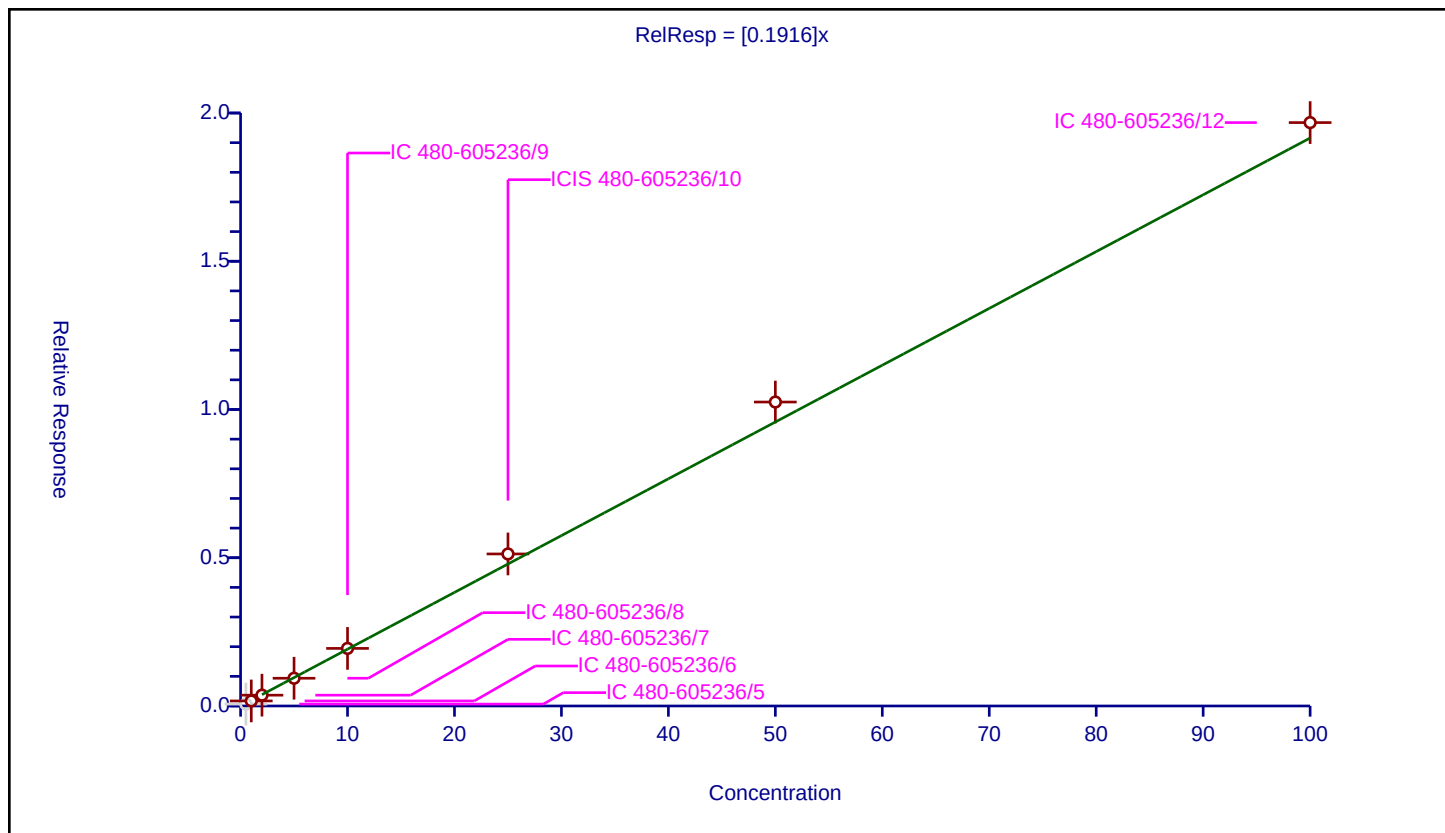
Curve Coefficients

Intercept: 0
 Slope: 0.1916

Error Coefficients

Standard Error: 163000
 Relative Standard Error: 6.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.063185	25.0	383398.0	0.12637	N
2	IC 480-605236/6	1.0	0.170263	25.0	391160.0	0.170263	Y
3	IC 480-605236/7	2.0	0.364872	25.0	379859.0	0.182436	Y
4	IC 480-605236/8	5.0	0.935632	25.0	369643.0	0.187126	Y
5	IC 480-605236/9	10.0	1.942415	25.0	388524.0	0.194242	Y
6	ICIS 480-605236/10	25.0	5.128397	25.0	398297.0	0.205136	Y
7	IC 480-605236/11	50.0	10.252423	25.0	398062.0	0.205048	Y
8	IC 480-605236/12	100.0	19.67736	25.0	449185.0	0.196774	Y



Calibration

/ 1,2,4-Trichlorobenzene

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

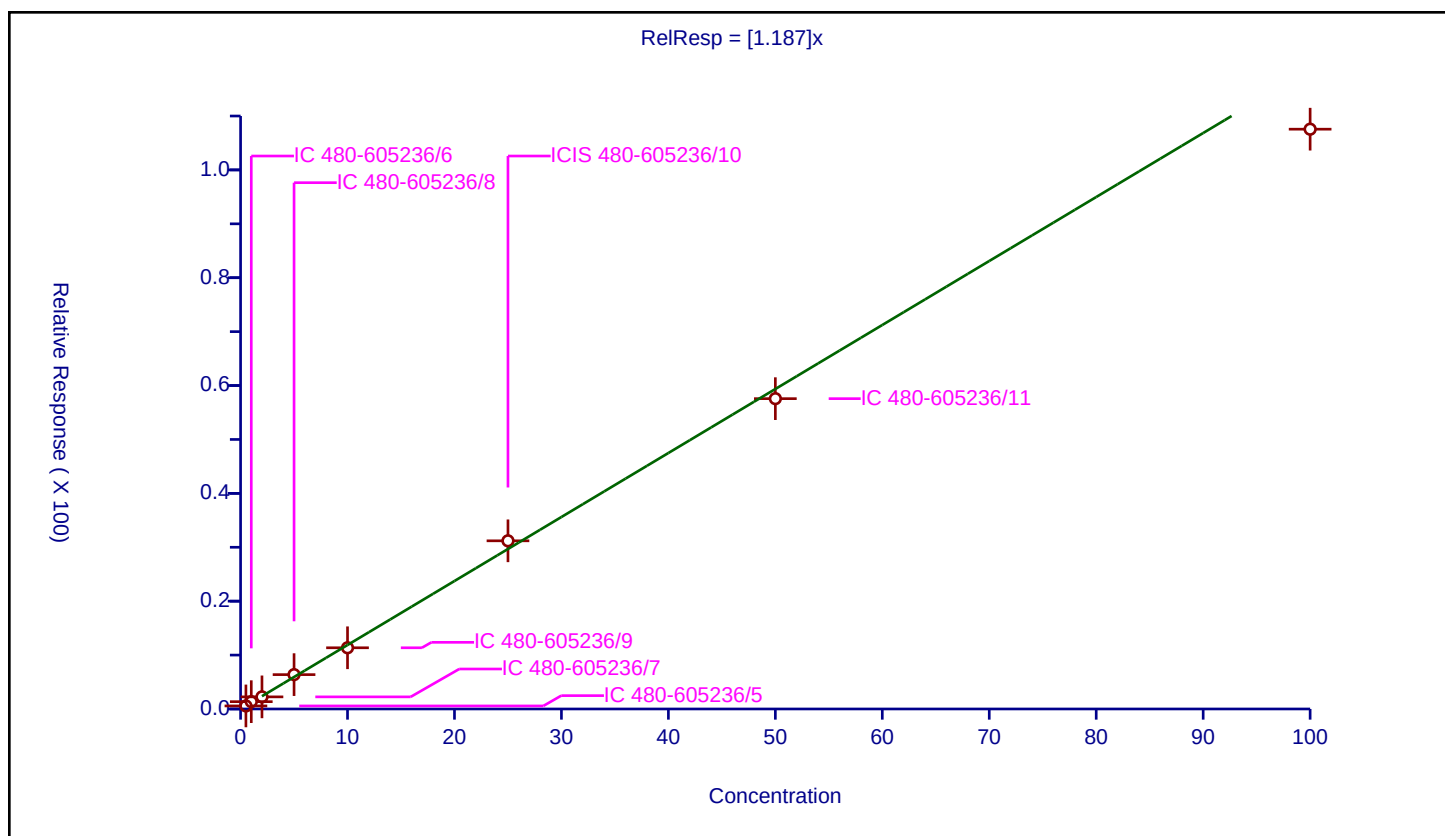
Curve Coefficients

Intercept: 0
 Slope: 1.187

Error Coefficients

Standard Error: 833000
 Relative Standard Error: 8.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.564622	25.0	383398.0	1.129244	Y
2	IC 480-605236/6	1.0	1.357501	25.0	391160.0	1.357501	Y
3	IC 480-605236/7	2.0	2.250506	25.0	379859.0	1.125253	Y
4	IC 480-605236/8	5.0	6.375476	25.0	369643.0	1.275095	Y
5	IC 480-605236/9	10.0	11.354511	25.0	388524.0	1.135451	Y
6	ICIS 480-605236/10	25.0	31.195942	25.0	398297.0	1.247838	Y
7	IC 480-605236/11	50.0	57.57024	25.0	398062.0	1.151405	Y
8	IC 480-605236/12	100.0	107.554348	25.0	449185.0	1.075543	Y



Calibration

/ Hexachlorobutadiene

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

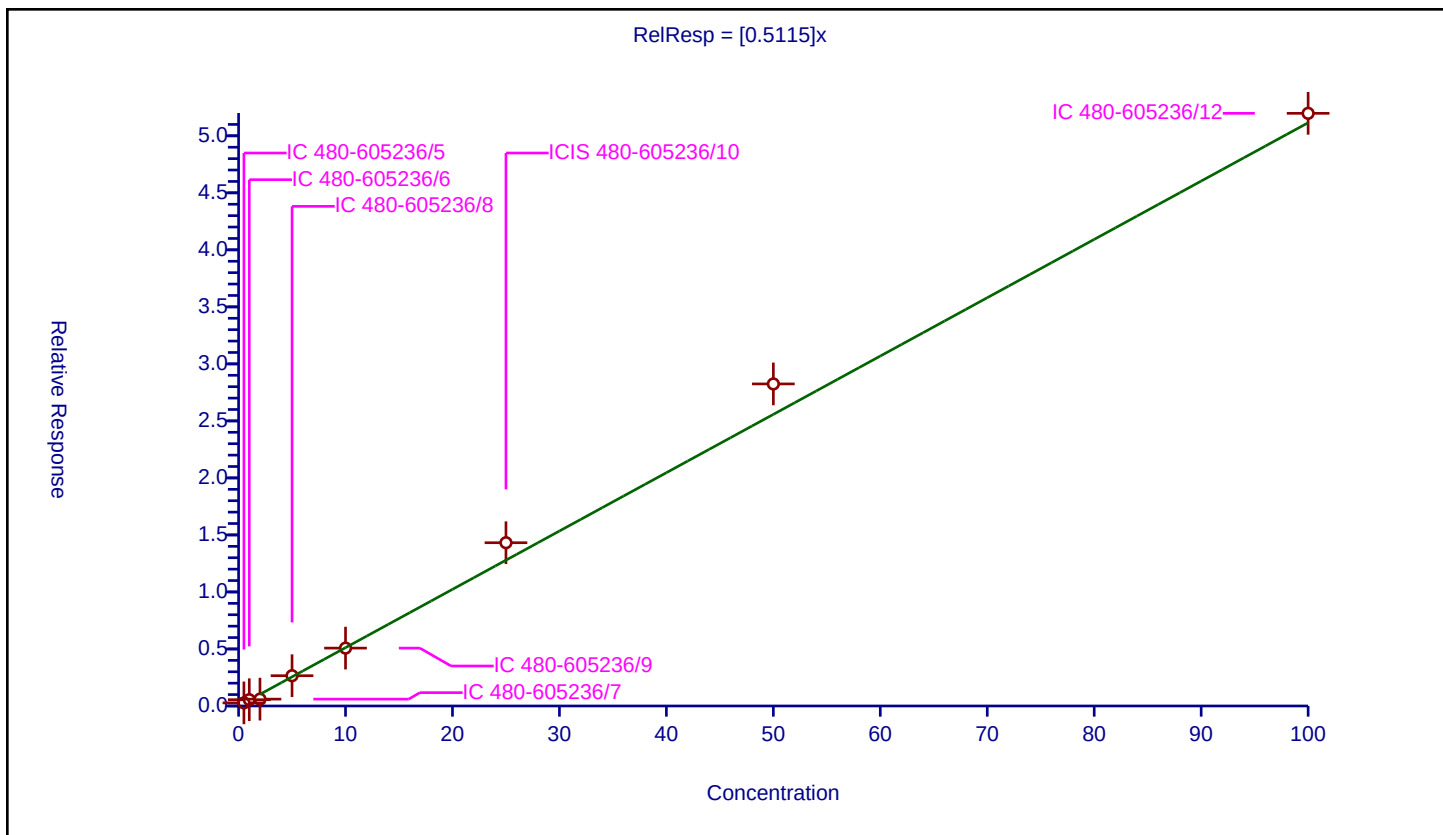
Curve Coefficients

Intercept: 0
 Slope: 0.5115

Error Coefficients

Standard Error: 402000
 Relative Standard Error: 17.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.272758	25.0	383398.0	0.545517	Y
2	IC 480-605236/6	1.0	0.549583	25.0	391160.0	0.549583	Y
3	IC 480-605236/7	2.0	0.601078	25.0	379859.0	0.300539	Y
4	IC 480-605236/8	5.0	2.656482	25.0	369643.0	0.531296	Y
5	IC 480-605236/9	10.0	5.074976	25.0	388524.0	0.507498	Y
6	ICIS 480-605236/10	25.0	14.317896	25.0	398297.0	0.572716	Y
7	IC 480-605236/11	50.0	28.24202	25.0	398062.0	0.56484	Y
8	IC 480-605236/12	100.0	51.971626	25.0	449185.0	0.519716	Y



Calibration

/ Naphthalene

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

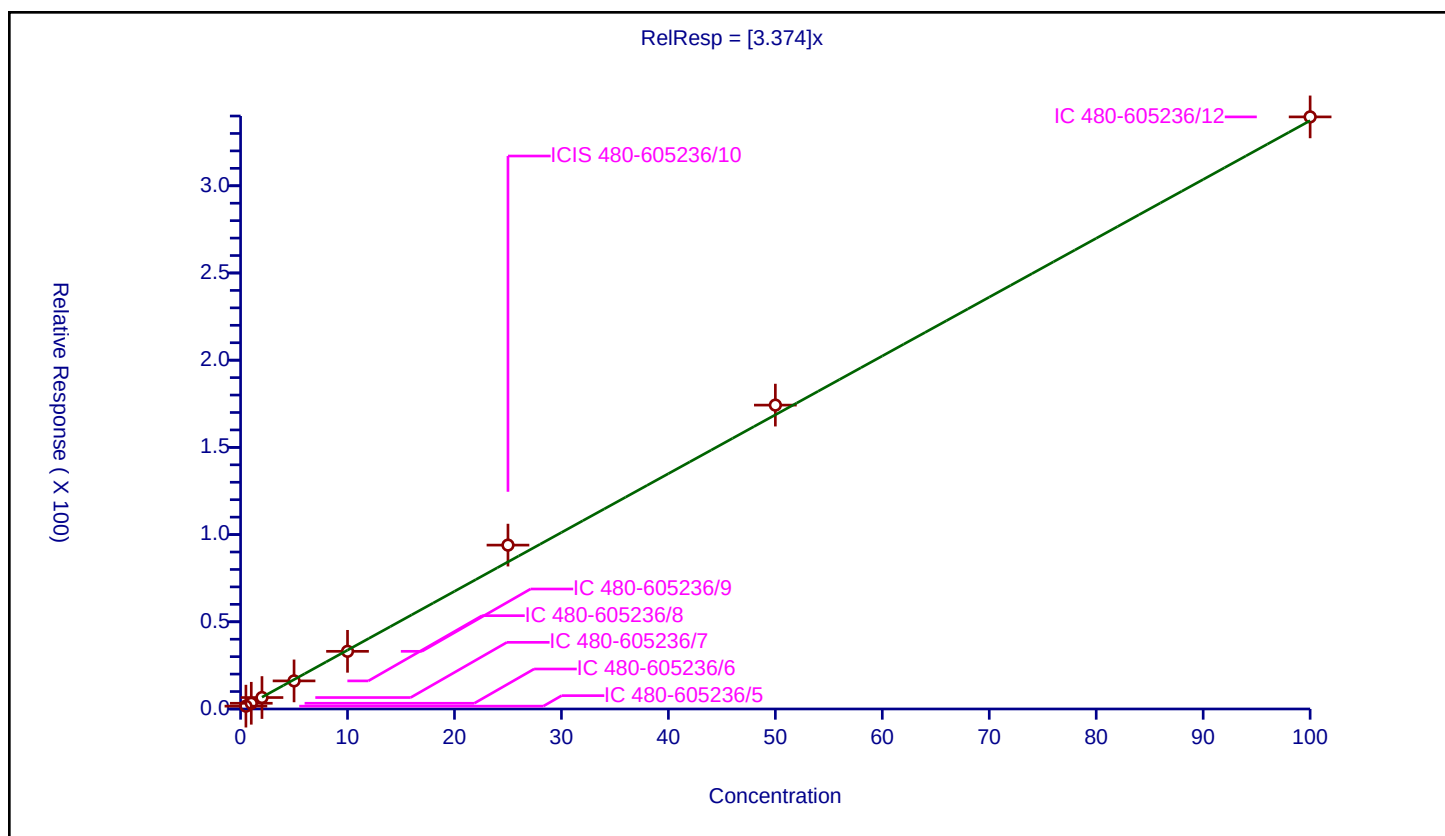
Curve Coefficients

Intercept: 0
 Slope: 3.374

Error Coefficients

Standard Error: 2600000
 Relative Standard Error: 5.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	1.631986	25.0	383398.0	3.263971	Y
2	IC 480-605236/6	1.0	3.27513	25.0	391160.0	3.27513	Y
3	IC 480-605236/7	2.0	6.564146	25.0	379859.0	3.282073	Y
4	IC 480-605236/8	5.0	16.114535	25.0	369643.0	3.222907	Y
5	IC 480-605236/9	10.0	33.058318	25.0	388524.0	3.305832	Y
6	ICIS 480-605236/10	25.0	93.962357	25.0	398297.0	3.758494	Y
7	IC 480-605236/11	50.0	174.233034	25.0	398062.0	3.484661	Y
8	IC 480-605236/12	100.0	339.494807	25.0	449185.0	3.394948	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

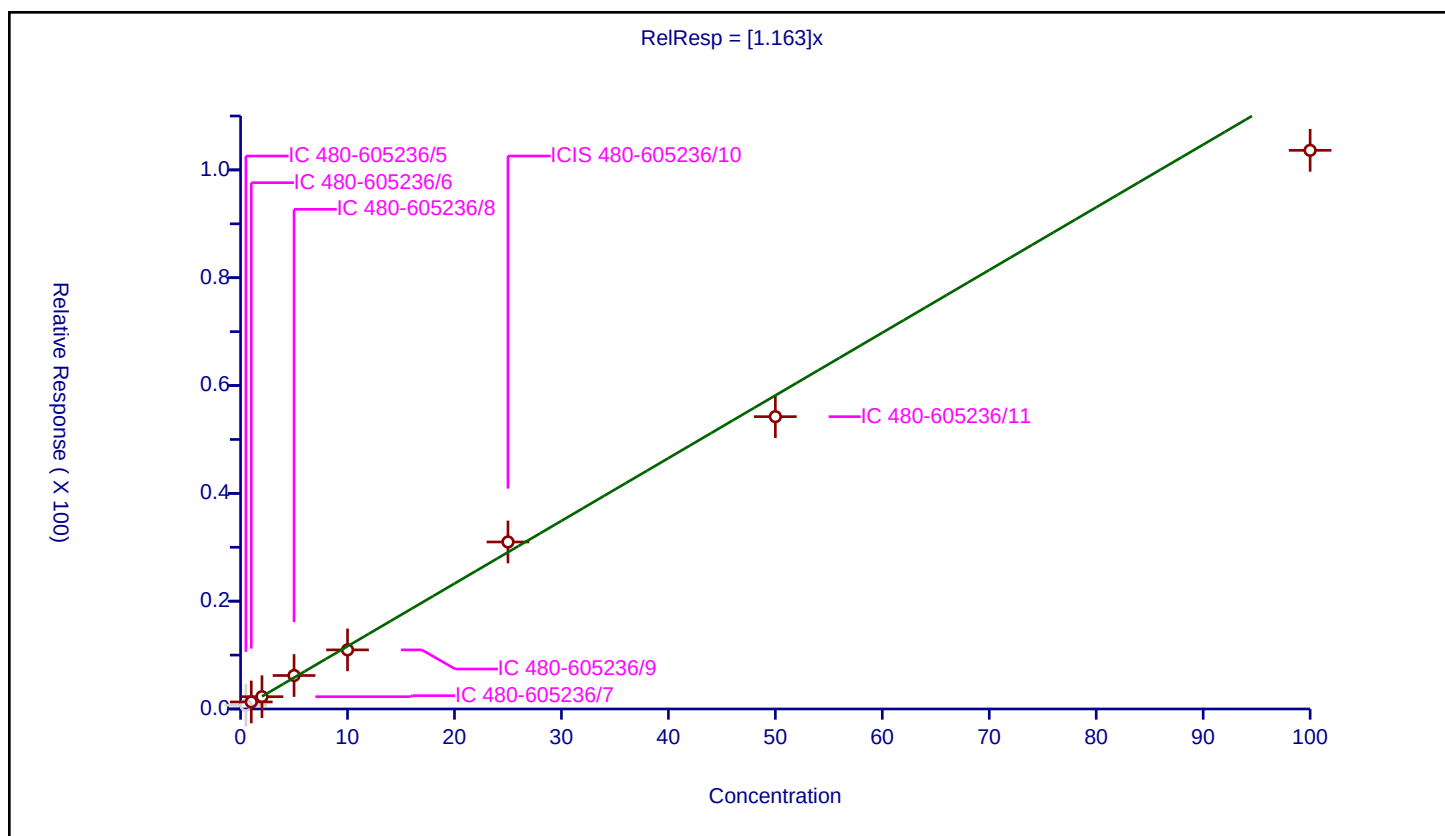
Curve Coefficients

Intercept: 0
 Slope: 1.163

Error Coefficients

Standard Error: 866000
 Relative Standard Error: 8.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-605236/5	0.5	0.697513	25.0	383398.0	1.395026	N
2	IC 480-605236/6	1.0	1.301194	25.0	391160.0	1.301194	Y
3	IC 480-605236/7	2.0	2.284269	25.0	379859.0	1.142134	Y
4	IC 480-605236/8	5.0	6.213089	25.0	369643.0	1.242618	Y
5	IC 480-605236/9	10.0	10.966568	25.0	388524.0	1.096657	Y
6	ICIS 480-605236/10	25.0	30.984102	25.0	398297.0	1.239364	Y
7	IC 480-605236/11	50.0	54.229429	25.0	398062.0	1.084589	Y
8	IC 480-605236/12	100.0	103.634638	25.0	449185.0	1.036346	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Lab Sample ID: ICV 480-605236/26 Calibration Date: 11/17/2021 02:14
 Instrument ID: HP5973N Calib Start Date: 11/16/2021 18:11
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/16/2021 20:52
 Lab File ID: N9205.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.092	1.484	0.1000	34.0	25.0	35.8	50.0
Chloromethane	Ave	2.383	2.705	0.1000	28.4	25.0	13.5	30.0
Butadiene	Ave	2.161	2.208		25.6	25.0	2.2	30.0
Vinyl chloride	Ave	1.621	1.826	0.1000	28.2	25.0	12.6	30.0
Bromomethane	Ave	0.999	1.032	0.1000	25.8	25.0	3.3	50.0
Chloroethane	Ave	1.086	1.158	0.1000	26.7	25.0	6.6	50.0
Dichlorofluoromethane	Ave	2.455	2.472		25.2	25.0	0.7	30.0
Trichlorofluoromethane	Ave	1.901	1.968	0.1000	25.9	25.0	3.5	30.0
Ethyl ether	Ave	1.856	1.939		26.1	25.0	4.5	30.0
Acrolein	Ave	0.1019	0.0971		119	125	-4.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.056	0.1000	23.3	25.0	-6.8	30.0
1,1-Dichloroethene	Ave	1.154	1.129	0.1000	24.4	25.0	-2.2	30.0
Acetone	Ave	0.9157	0.8077	0.1000	110	125	-11.8	50.0
Iodomethane	Ave	2.064	2.156		26.1	25.0	4.5	30.0
Carbon disulfide	Ave	3.127	3.325	0.1000	26.6	25.0	6.3	30.0
Allyl chloride	Ave	3.744	3.923		26.2	25.0	4.8	30.0
Methyl acetate	Ave	2.310	2.251	0.1000	48.7	50.0	-2.5	50.0
Methylene Chloride	Lin1		1.487	0.1000	28.3	25.0	13.0	30.0
2-Methyl-2-propanol	Ave	0.2244	0.2263		252	250	0.8	50.0
Methyl tert-butyl ether	Ave	4.755	5.005	0.1000	26.3	25.0	5.3	30.0
trans-1,2-Dichloroethene	Ave	1.394	1.455	0.1000	26.1	25.0	4.4	30.0
Acrylonitrile	Ave	1.102	1.080		245	250	-2.0	30.0
Hexane	Lin1		2.169		20.5	25.0	-17.9	30.0
1,1-Dichloroethane	Ave	3.294	3.356	0.2000	25.5	25.0	1.9	30.0
Vinyl acetate	Ave	5.179	5.340		51.6	50.0	3.1	30.0
2,2-Dichloropropane	Ave	1.121	1.036		23.1	25.0	-7.6	30.0
cis-1,2-Dichloroethene	Ave	1.593	1.703	0.1000	26.7	25.0	6.9	30.0
2-Butanone (MEK)	Ave	1.323	1.205	0.1000	114	125	-9.0	30.0
Chlorobromomethane	Ave	0.8527	0.8803		25.8	25.0	3.2	30.0
Tetrahydrofuran	Ave	0.8983	0.8882		49.4	50.0	-1.1	30.0
Chloroform	Ave	2.937	2.916	0.2000	24.8	25.0	-0.7	30.0
1,1,1-Trichloroethane	Ave	2.009	2.224	0.1000	27.7	25.0	10.7	30.0
Cyclohexane	Lin1		2.996	0.1000	22.2	25.0	-11.4	30.0
Carbon tetrachloride	Ave	1.551	1.730	0.1000	27.9	25.0	11.5	30.0
1,1-Dichloropropene	Ave	1.851	1.846		24.9	25.0	-0.3	30.0
Benzene	Ave	5.449	5.567	0.5000	25.5	25.0	2.2	30.0
Isobutyl alcohol	Ave	0.0934	0.0803		537	625	-14.0	50.0
1,2-Dichloroethane	Ave	3.011	2.917	0.1000	24.2	25.0	-3.1	30.0
n-Heptane	Lin1		2.286		18.3	25.0	-27.0	30.0
Trichloroethene	Ave	1.469	1.463	0.2000	24.9	25.0	-0.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Lab Sample ID: ICV 480-605236/26 Calibration Date: 11/17/2021 02:14

Instrument ID: HP5973N Calib Start Date: 11/16/2021 18:11

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/16/2021 20:52

Lab File ID: N9205.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.026	0.1000	21.9	25.0	-12.5	30.0
1,2-Dichloropropane	Ave	1.614	1.621	0.1000	25.1	25.0	0.4	30.0
Dibromomethane	Ave	0.9075	0.9308	0.1000	25.6	25.0	2.6	30.0
1,4-Dioxane	Ave	0.0038	0.0028		367	500	-26.5	50.0
Bromodichloromethane	Ave	1.879	1.925	0.2000	25.6	25.0	2.5	30.0
2-Chloroethyl vinyl ether	Ave	0.8729	0.8556		24.5	25.0	-2.0	30.0
cis-1,3-Dichloropropene	Ave	2.023	2.012	0.2000	24.9	25.0	-0.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2592	0.2735	0.1000	132	125	5.5	30.0
Toluene	Ave	1.003	1.009	0.4000	25.1	25.0	0.6	30.0
trans-1,3-Dichloropropene	Ave	0.5669	0.5575	0.1000	24.6	25.0	-1.7	30.0
Ethyl methacrylate	Ave	0.4294	0.4487		26.1	25.0	4.5	30.0
1,1,2-Trichloroethane	Ave	0.3044	0.3000	0.1000	24.6	25.0	-1.4	30.0
Tetrachloroethene	Ave	0.4106	0.4113	0.2000	25.0	25.0	0.2	30.0
1,3-Dichloropropane	Ave	0.5975	0.5887		24.6	25.0	-1.5	30.0
2-Hexanone	Ave	0.4759	0.4693	0.1000	123	125	-1.4	30.0
Dibromochloromethane	Ave	0.3742	0.3941	0.1000	26.3	25.0	5.3	30.0
1,2-Dibromoethane	Ave	0.3787	0.3811		25.2	25.0	0.6	30.0
Chlorobenzene	Ave	1.115	1.107	0.5000	24.8	25.0	-0.6	30.0
Ethylbenzene	Ave	1.772	1.858	0.1000	26.2	25.0	4.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4275	0.4599		26.9	25.0	7.6	30.0
m,p-Xylene	Ave	0.6911	0.7151	0.1000	25.9	25.0	3.5	30.0
o-Xylene	Ave	0.7403	0.7601	0.3000	25.7	25.0	2.7	30.0
Styrene	Ave	1.071	1.117	0.3000	26.1	25.0	4.3	30.0
Bromoform	Ave	0.2133	0.2278	0.1000	26.7	25.0	6.8	50.0
Isopropylbenzene	Ave	3.550	3.858	0.1000	27.2	25.0	8.7	30.0
Bromobenzene	Ave	0.8464	0.8932		26.4	25.0	5.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9948	1.058	0.3000	26.6	25.0	6.4	30.0
N-Propylbenzene	Ave	3.993	4.241		26.6	25.0	6.2	30.0
1,2,3-Trichloropropane	Ave	0.3286	0.3554		27.0	25.0	8.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.4151	0.3903		23.5	25.0	-6.0	50.0
2-Chlorotoluene	Ave	0.8764	0.9400		26.8	25.0	7.3	30.0
1,3,5-Trimethylbenzene	Ave	2.959	3.294		27.8	25.0	11.3	30.0
4-Chlorotoluene	Ave	2.631	2.716		25.8	25.0	3.3	30.0
tert-Butylbenzene	Ave	0.6067	0.6935		28.6	25.0	14.3	30.0
1,2,4-Trimethylbenzene	Ave	2.951	3.411		28.9	25.0	15.6	30.0
sec-Butylbenzene	Ave	3.532	3.950		28.0	25.0	11.8	30.0
1,3-Dichlorobenzene	Ave	1.699	1.690	0.6000	24.9	25.0	-0.5	30.0
4-Isopropyltoluene	Ave	3.258	3.724		28.6	25.0	14.3	30.0
1,4-Dichlorobenzene	Ave	1.728	1.759	0.5000	25.5	25.0	1.8	30.0
n-Butylbenzene	Ave	2.696	2.893		26.8	25.0	7.3	30.0
1,2-Dichlorobenzene	Ave	1.789	1.833	0.4000	25.6	25.0	2.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Lab Sample ID: ICV 480-605236/26 Calibration Date: 11/17/2021 02:14
 Instrument ID: HP5973N Calib Start Date: 11/16/2021 18:11
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/16/2021 20:52
 Lab File ID: N9205.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1916	0.2173	0.0500	28.4	25.0	13.4	50.0
1,2,4-Trichlorobenzene	Ave	1.187	1.312	0.2000	27.6	25.0	10.5	30.0
Hexachlorobutadiene	Ave	0.5115	0.5508		26.9	25.0	7.7	30.0
Naphthalene	Ave	3.374	3.953		29.3	25.0	17.2	30.0
1,2,3-Trichlorobenzene	Ave	1.163	1.255		27.0	25.0	7.9	30.0
Dibromofluoromethane (Surr)	Ave	1.299	1.375		26.5	25.0	5.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.813	1.813		25.0	25.0	-0.0	30.0
Toluene-d8 (Surr)	Ave	1.305	1.342		25.7	25.0	2.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.3610	0.3599		24.9	25.0	-0.3	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9205.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 17-Nov-2021 02:14:30 ALS Bottle#: 26 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 480-0102482-026
 Operator ID: wd Instrument ID: HP5973N
 Sublist:
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 11:02:27 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1666

First Level Reviewer: dahnw

Date: 17-Nov-2021 09:13:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.338	5.332	0.006	97	226246	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	91	700517	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	354907	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.760	4.754	0.006	93	311199	25.0	26.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.064	5.058	0.006	67	410087	25.0	25.0	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	95	940036	25.0	25.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	85	252135	25.0	24.9	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	97	335720	25.0	34.0	
13 Chloromethane	50	1.420	1.420	0.000	99	612055	25.0	28.4	
144 Butadiene	54	1.517	1.511	0.006	96	499595	25.0	25.6	
14 Vinyl chloride	62	1.517	1.511	0.006	54	413076	25.0	28.2	
15 Bromomethane	94	1.809	1.803	0.006	90	233456	25.0	25.8	
16 Chloroethane	64	1.876	1.870	0.006	95	261949	25.0	26.7	
17 Dichlorofluoromethane	67	2.108	2.102	0.006	96	559182	25.0	25.2	
18 Trichlorofluoromethane	101	2.120	2.114	0.006	64	445285	25.0	25.9	
19 Ethyl ether	59	2.375	2.375	0.000	94	438697	25.0	26.1	
20 Acrolein	56	2.558	2.552	0.006	98	109822	125.0	119.1	
21 112TCTFE	101	2.588	2.582	0.006	95	238861	25.0	23.3	
22 1,1-Dichloroethene	96	2.600	2.594	0.006	90	255395	25.0	24.4	
23 Acetone	43	2.710	2.704	0.006	97	913703	125.0	110.3	
24 Iodomethane	142	2.765	2.759	0.006	99	487871	25.0	26.1	
25 Carbon disulfide	76	2.801	2.801	0.000	98	752177	25.0	26.6	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	85	887485	25.0	26.2	
28 Methyl acetate	43	3.002	3.002	0.000	99	1018753	50.0	48.7	
30 Methylene Chloride	84	3.117	3.111	0.006	90	336361	25.0	28.3	
31 2-Methyl-2-propanol	59	3.276	3.276	0.000	91	511924	250.0	252.1	
32 Methyl tert-butyl ether	73	3.312	3.306	0.006	94	1132390	25.0	26.3	
33 trans-1,2-Dichloroethene	96	3.324	3.318	0.006	90	329259	25.0	26.1	
34 Acrylonitrile	53	3.379	3.379	0.000	98	2444167	250.0	245.0	
35 Hexane	57	3.519	3.513	0.006	94	490644	25.0	20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	98	759325	25.0	25.5	
39 Vinyl acetate	43	3.793	3.793	0.000	97	2416101	50.0	51.6	
42 2,2-Dichloropropane	77	4.255	4.249	0.006	86	234328	25.0	23.1	
43 cis-1,2-Dichloroethene	96	4.292	4.286	0.006	86	385260	25.0	26.7	
44 2-Butanone (MEK)	43	4.328	4.322	0.006	96	1362981	125.0	113.8	
47 Chlorobromomethane	128	4.523	4.523	0.000	87	199154	25.0	25.8	
49 Tetrahydrofuran	42	4.541	4.541	0.000	91	401919	50.0	49.4	
50 Chloroform	83	4.602	4.602	0.000	95	659738	25.0	24.8	
51 1,1,1-Trichloroethane	97	4.711	4.705	0.006	96	503141	25.0	27.7	
52 Cyclohexane	56	4.717	4.711	0.006	95	677728	25.0	22.2	
53 Carbon tetrachloride	117	4.845	4.845	0.000	93	391315	25.0	27.9	
54 1,1-Dichloropropene	75	4.863	4.864	-0.001	84	417700	25.0	24.9	
55 Benzene	78	5.064	5.064	0.000	91	1259610	25.0	25.5	
56 Isobutyl alcohol	43	5.101	5.101	0.000	93	454232	625.0	537.4	
57 1,2-Dichloroethane	62	5.137	5.131	0.006	95	659907	25.0	24.2	
59 n-Heptane	43	5.247	5.247	0.000	96	517181	25.0	18.3	
60 Trichloroethene	95	5.672	5.673	-0.001	93	330909	25.0	24.9	
62 Methylcyclohexane	83	5.788	5.788	0.000	93	458287	25.0	21.9	
63 1,2-Dichloropropane	63	5.916	5.910	0.006	86	366652	25.0	25.1	
64 Dibromomethane	93	6.050	6.050	0.000	97	210596	25.0	25.6	
66 1,4-Dioxane	88	6.062	6.056	0.006	33	38739	500.0	367.3	M
67 Dichlorobromomethane	83	6.208	6.202	0.006	94	435502	25.0	25.6	
69 2-Chloroethyl vinyl ether	63	6.482	6.488	-0.006	90	193582	25.0	24.5	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	83	455295	25.0	24.9	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	957786	125.0	131.9	
73 Toluene	92	6.901	6.902	-0.001	96	707152	25.0	25.1	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	93	390529	25.0	24.6	
77 Ethyl methacrylate	69	7.236	7.236	0.000	88	314349	25.0	26.1	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	210152	25.0	24.6	
79 Tetrachloroethene	166	7.431	7.437	-0.006	91	288124	25.0	25.0	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	88	412421	25.0	24.6	
82 2-Hexanone	43	7.607	7.607	0.000	98	1643835	125.0	123.3	
83 Chlorodibromomethane	129	7.771	7.771	0.000	89	276070	25.0	26.3	
84 Ethylene Dibromide	107	7.875	7.875	0.000	99	266949	25.0	25.2	
85 Chlorobenzene	112	8.349	8.349	0.000	91	775750	25.0	24.8	
88 Ethylbenzene	91	8.441	8.441	0.000	99	1301238	25.0	26.2	a
89 1,1,1,2-Tetrachloroethane	131	8.453	8.447	0.006	93	322196	25.0	26.9	
90 m-Xylene & p-Xylene	106	8.568	8.562	0.006	98	500948	25.0	25.9	a
91 o-Xylene	106	8.994	8.988	0.006	98	532445	25.0	25.7	
92 Styrene	104	9.025	9.025	0.000	94	782232	25.0	26.1	
93 Bromoform	173	9.268	9.268	0.000	95	159588	25.0	26.7	
95 Isopropylbenzene	105	9.377	9.378	-0.001	97	1369065	25.0	27.2	
97 Bromobenzene	156	9.724	9.724	0.000	93	316996	25.0	26.4	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	96	375628	25.0	26.6	
100 N-Propylbenzene	91	9.809	9.809	0.000	98	1505234	25.0	26.6	
99 1,2,3-Trichloropropane	110	9.821	9.816	0.005	93	126120	25.0	27.0	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	83	138503	25.0	23.5	
102 2-Chlorotoluene	126	9.913	9.913	0.000	95	333603	25.0	26.8	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	95	1169177	25.0	27.8	
105 4-Chlorotoluene	91	10.028	10.028	0.000	98	964002	25.0	25.8	
106 tert-Butylbenzene	134	10.308	10.308	0.000	96	246111	25.0	28.6	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	1210436	25.0	28.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	1401831	25.0	28.0	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	95	599906	25.0	24.9	
111 4-Isopropyltoluene	119	10.667	10.661	0.006	98	1321523	25.0	28.6	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	94	624287	25.0	25.5	
115 n-Butylbenzene	91	11.050	11.051	-0.001	98	1026789	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	95	650563	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	74	77136	25.0	28.4	
119 1,2,4-Trichlorobenzene	180	12.510	12.511	-0.001	94	465656	25.0	27.6	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	96	195482	25.0	26.9	
121 Naphthalene	128	12.723	12.724	-0.001	97	1403013	25.0	29.3	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	94	445526	25.0	27.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SS GAS CORP_00431

Amount Added: 12.50

Units: uL

SS 8260 CORP_00096

Amount Added: 12.50

Units: uL

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9205.D

Injection Date: 17-Nov-2021 02:14:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: ICV

Worklist Smp#: 26

Client ID:

Purge Vol: 5.000 mL

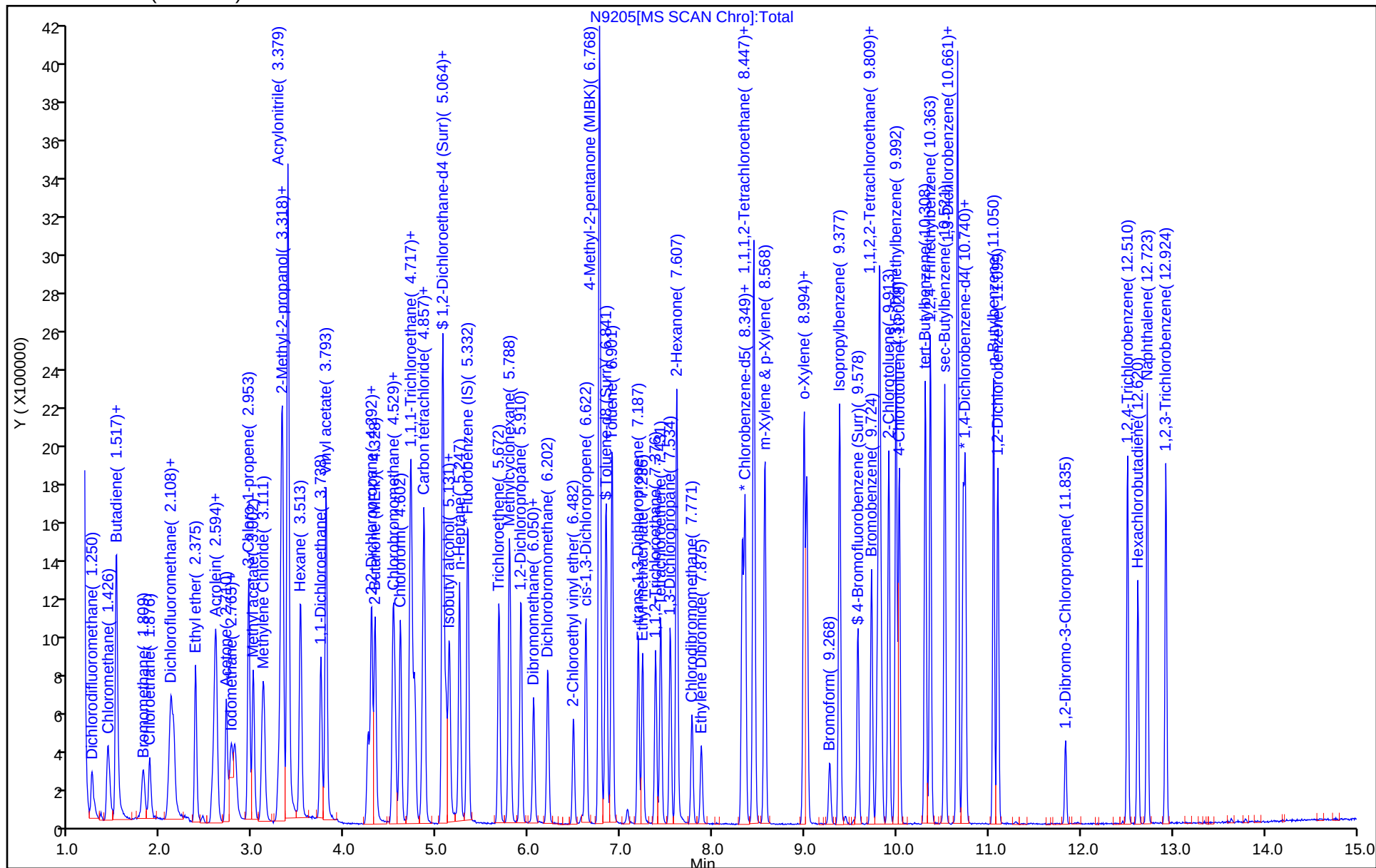
Dil. Factor: 1.0000

ALS Bottle#: 26

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9205.D

Injection Date: 17-Nov-2021 02:14:30

Instrument ID: HP5973N

Lims ID: ICV

Client ID:

Operator ID: wd

ALS Bottle#:

26

Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

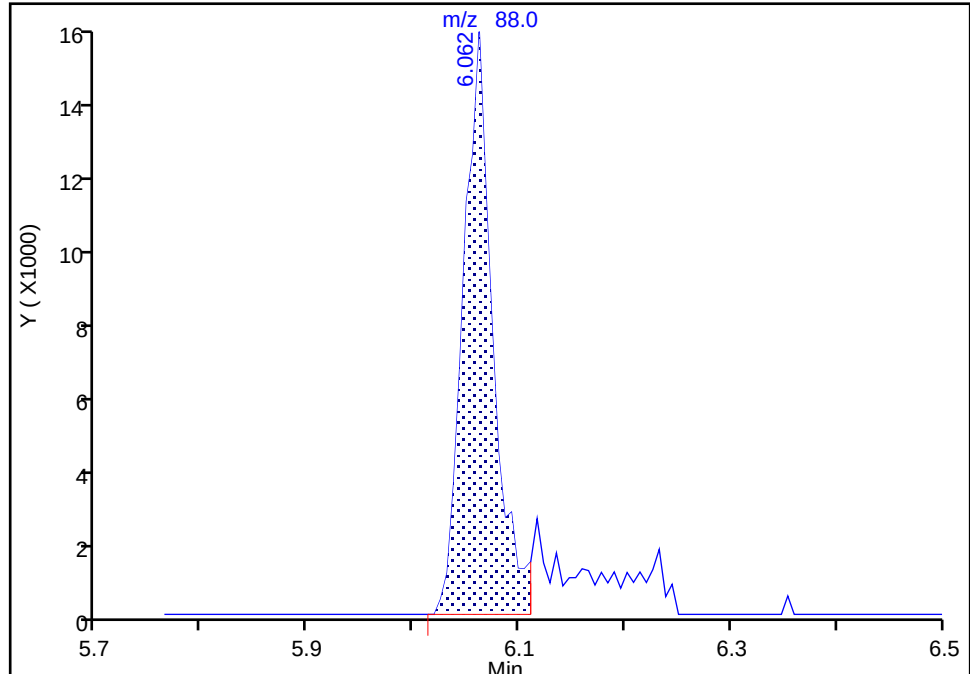
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

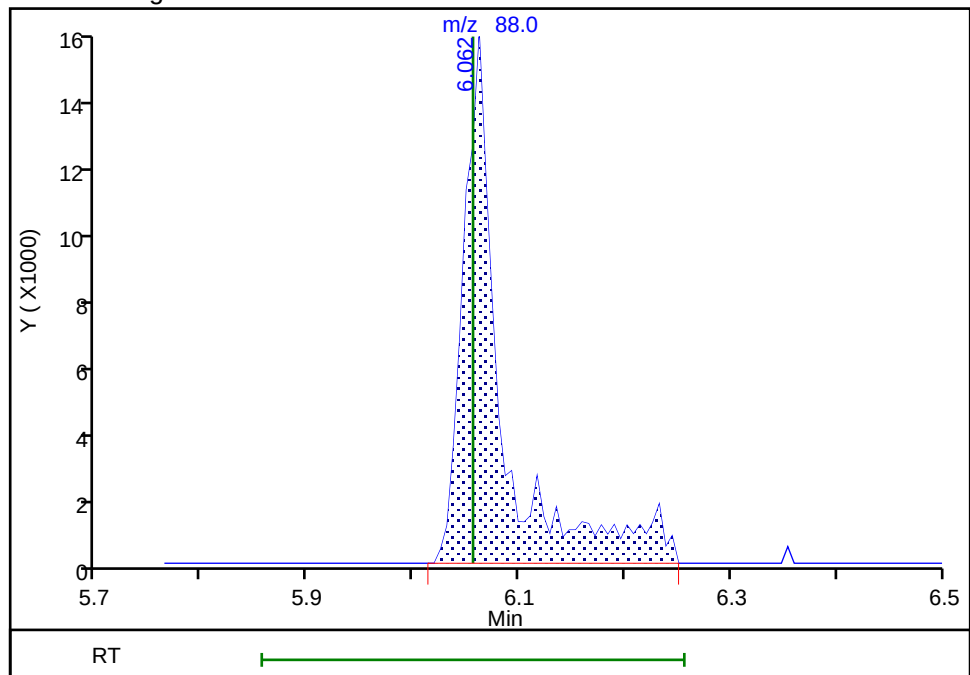
RT: 6.06
Area: 29988
Amount: 287.9861
Amount Units: ug/L

Processing Integration Results



RT: 6.06
Area: 38739
Amount: 367.3169
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 17-Nov-2021 09:16:29

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9205.D

Injection Date: 17-Nov-2021 02:14:30

Instrument ID: HP5973N

Lims ID: ICV

Client ID:

Operator ID: wd

ALS Bottle#:

26

Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

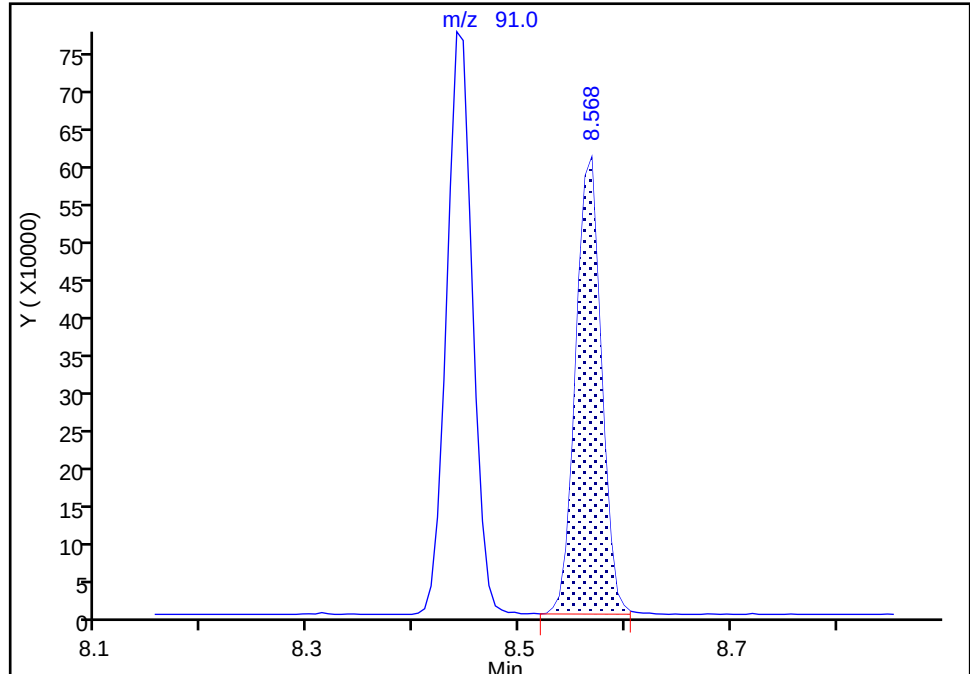
Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

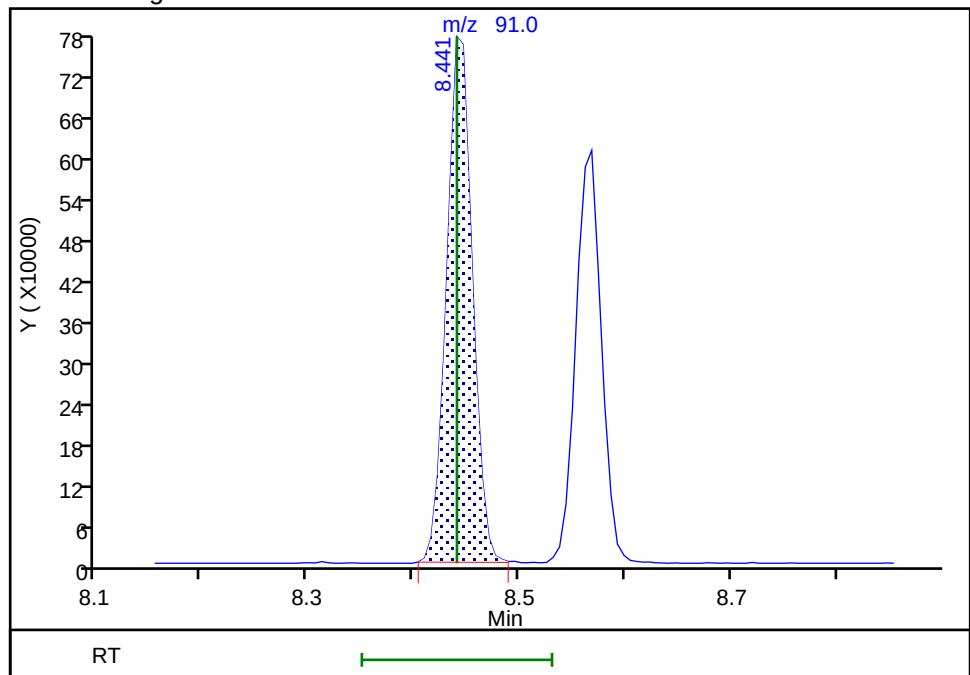
RT: 8.57
Area: 1016246
Amount: 20.468290
Amount Units: ug/L

Processing Integration Results



RT: 8.44
Area: 1301238
Amount: 26.208336
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:47:13

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9205.D

Injection Date: 17-Nov-2021 02:14:30

Instrument ID: HP5973N

Lims ID: ICV

Client ID:

Operator ID: wd

ALS Bottle#:

26

Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

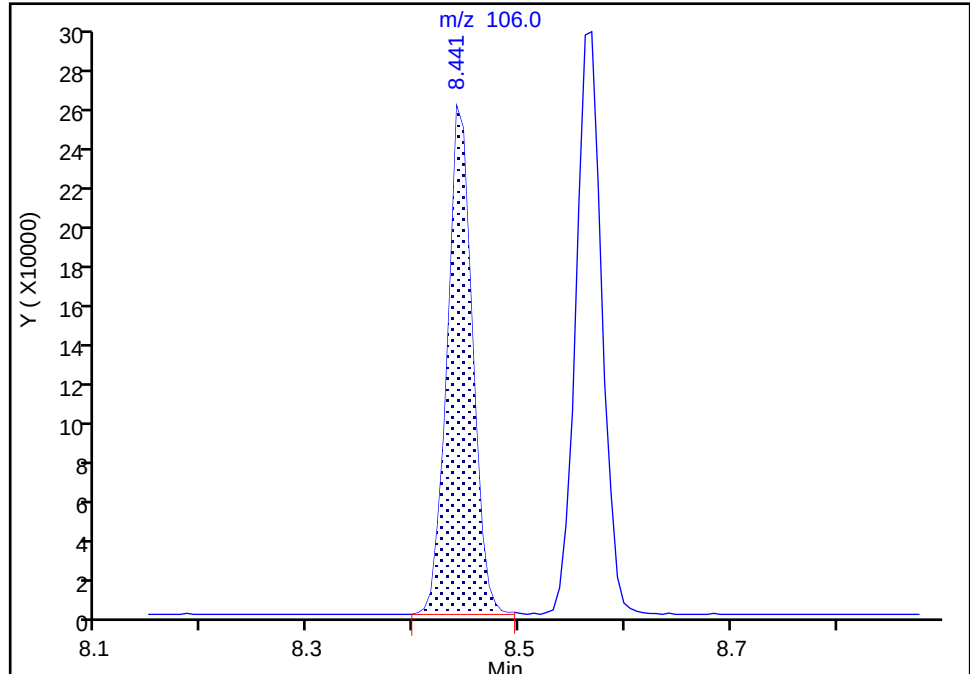
MS SCAN

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

Signal: 1

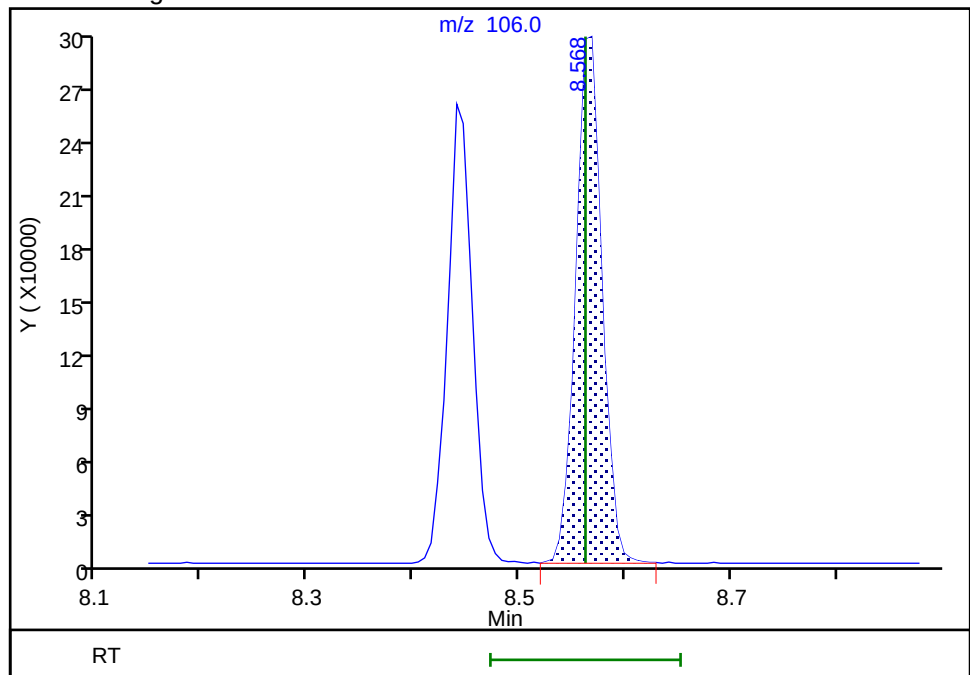
RT: 8.44
Area: 418487
Amount: 21.611755
Amount Units: ug/L

Processing Integration Results



RT: 8.57
Area: 500948
Amount: 25.870255
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 17-Nov-2021 10:47:16

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Lab Sample ID: CCVIS 480-607406/4 Calibration Date: 12/02/2021 22:50

Instrument ID: HP5973N Calib Start Date: 11/16/2021 18:11

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/16/2021 20:52

Lab File ID: N9816.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.092	0.9033	0.1000	20.7	25.0	-17.3	50.0
Chloromethane	Ave	2.383	2.017	0.1000	21.2	25.0	-15.4	20.0
Butadiene	Ave	2.161	1.917		22.2	25.0	-11.3	20.0
Vinyl chloride	Ave	1.621	1.456	0.1000	22.5	25.0	-10.2	20.0
Bromomethane	Ave	0.999	0.7174	0.1000	17.9	25.0	-28.2	50.0
Chloroethane	Ave	1.086	0.8513	0.1000	19.6	25.0	-21.6	50.0
Dichlorofluoromethane	Ave	2.455	1.946		19.8	25.0	-20.7*	20.0
Trichlorofluoromethane	Ave	1.901	1.606	0.1000	21.1	25.0	-15.5	20.0
Ethyl ether	Ave	1.856	1.667		22.5	25.0	-10.2	20.0
Acrolein	Ave	0.1019	0.0918		113	125	-9.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.020	0.1000	22.5	25.0	-9.9	20.0
1,1-Dichloroethene	Ave	1.154	1.001	0.1000	21.7	25.0	-13.3	20.0
Acetone	Ave	0.9157	0.9247	0.1000	126	125	1.0	50.0
Iodomethane	Ave	2.064	1.787		21.6	25.0	-13.4	20.0
Carbon disulfide	Ave	3.127	2.927	0.1000	23.4	25.0	-6.4	20.0
Allyl chloride	Ave	3.744	3.199		21.4	25.0	-14.5	20.0
Methyl acetate	Ave	2.310	2.098	0.1000	45.4	50.0	-9.2	50.0
Methylene Chloride	Lin1		1.208	0.1000	22.9	25.0	-8.6	20.0
2-Methyl-2-propanol	Ave	0.2244	0.2478		276	250	10.4	50.0
Methyl tert-butyl ether	Ave	4.755	3.994	0.1000	21.0	25.0	-16.0	20.0
trans-1,2-Dichloroethene	Ave	1.394	1.295	0.1000	23.2	25.0	-7.1	20.0
Acrylonitrile	Ave	1.102	1.040		236	250	-5.6	20.0
Hexane	Lin1		2.396		22.6	25.0	-9.6	20.0
1,1-Dichloroethane	Ave	3.294	2.797	0.2000	21.2	25.0	-15.1	20.0
Vinyl acetate	Ave	5.179	5.037		48.6	50.0	-2.7	20.0
2,2-Dichloropropane	Ave	1.121	1.014		22.6	25.0	-9.6	20.0
cis-1,2-Dichloroethene	Ave	1.593	1.398	0.1000	21.9	25.0	-12.3	20.0
2-Butanone (MEK)	Ave	1.323	1.404	0.1000	133	125	6.1	20.0
Chlorobromomethane	Ave	0.8527	0.7457		21.9	25.0	-12.6	20.0
Tetrahydrofuran	Ave	0.8983	0.8939		49.8	50.0	-0.5	20.0
Chloroform	Ave	2.937	2.327	0.2000	19.8	25.0	-20.8*	20.0
1,1,1-Trichloroethane	Ave	2.009	1.871	0.1000	23.3	25.0	-6.9	20.0
Cyclohexane	Lin1		2.974	0.1000	22.0	25.0	-12.0	20.0
Carbon tetrachloride	Ave	1.551	1.700	0.1000	27.4	25.0	9.6	20.0
1,1-Dichloropropene	Ave	1.851	1.661		22.4	25.0	-10.3	20.0
Benzene	Ave	5.449	4.852	0.5000	22.3	25.0	-10.9	20.0
Isobutyl alcohol	Ave	0.0934	0.1323		885	625	41.6	50.0
1,2-Dichloroethane	Ave	3.011	2.400	0.1000	19.9	25.0	-20.3*	20.0
n-Heptane	Lin1		2.820		22.4	25.0	-10.4	20.0
Trichloroethene	Ave	1.469	1.279	0.2000	21.8	25.0	-12.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-607406/4 Calibration Date: 12/02/2021 22:50
 Instrument ID: HP5973N Calib Start Date: 11/16/2021 18:11
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/16/2021 20:52
 Lab File ID: N9816.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.047	0.1000	22.1	25.0	-11.7	20.0
1,2-Dichloropropane	Ave	1.614	1.464	0.1000	22.7	25.0	-9.3	20.0
Dibromomethane	Ave	0.9075	0.8155	0.1000	22.5	25.0	-10.1	20.0
1,4-Dioxane	Ave	0.0038	0.0042		563	500	12.6	50.0
Bromodichloromethane	Ave	1.879	1.722	0.2000	22.9	25.0	-8.3	20.0
2-Chloroethyl vinyl ether	Ave	0.8729	0.8664		24.8	25.0	-0.7	20.0
cis-1,3-Dichloropropene	Ave	2.023	1.895	0.2000	23.4	25.0	-6.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2592	0.2540	0.1000	122	125	-2.0	20.0
Toluene	Ave	1.003	0.8890	0.4000	22.1	25.0	-11.4	20.0
trans-1,3-Dichloropropene	Ave	0.5669	0.5169	0.1000	22.8	25.0	-8.8	20.0
Ethyl methacrylate	Ave	0.4294	0.4362		25.4	25.0	1.6	20.0
1,1,2-Trichloroethane	Ave	0.3044	0.2808	0.1000	23.1	25.0	-7.8	20.0
Tetrachloroethene	Ave	0.4106	0.3835	0.2000	23.4	25.0	-6.6	20.0
1,3-Dichloropropane	Ave	0.5975	0.5453		22.8	25.0	-8.7	20.0
2-Hexanone	Ave	0.4759	0.5294	0.1000	139	125	11.2	20.0
Dibromochloromethane	Ave	0.3742	0.3738	0.1000	25.0	25.0	-0.1	20.0
1,2-Dibromoethane	Ave	0.3787	0.3596		23.7	25.0	-5.1	20.0
Chlorobenzene	Ave	1.115	0.996	0.5000	22.3	25.0	-10.7	20.0
Ethylbenzene	Ave	1.772	1.587	0.1000	22.4	25.0	-10.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4275	0.3892		22.8	25.0	-9.0	20.0
m,p-Xylene	Ave	0.6911	0.6293	0.1000	22.8	25.0	-8.9	20.0
o-Xylene	Ave	0.7403	0.6321	0.3000	21.3	25.0	-14.6	20.0
Styrene	Ave	1.071	1.027	0.3000	24.0	25.0	-4.1	20.0
Bromoform	Ave	0.2133	0.2358	0.1000	27.6	25.0	10.6	50.0
Isopropylbenzene	Ave	3.550	3.298	0.1000	23.2	25.0	-7.1	20.0
Bromobenzene	Ave	0.8464	0.8157		24.1	25.0	-3.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9948	0.9287	0.3000	23.3	25.0	-6.6	20.0
N-Propylbenzene	Ave	3.993	3.707		23.2	25.0	-7.2	20.0
1,2,3-Trichloropropane	Ave	0.3286	0.2962		22.5	25.0	-9.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4151	0.3446		20.8	25.0	-17.0	50.0
2-Chlorotoluene	Ave	0.8764	0.7895		22.5	25.0	-9.9	20.0
1,3,5-Trimethylbenzene	Ave	2.959	2.755		23.3	25.0	-6.9	20.0
4-Chlorotoluene	Ave	2.631	2.375		22.6	25.0	-9.7	20.0
tert-Butylbenzene	Ave	0.6067	0.6317		26.0	25.0	4.1	20.0
1,2,4-Trimethylbenzene	Ave	2.951	2.818		23.9	25.0	-4.5	20.0
sec-Butylbenzene	Ave	3.532	3.455		24.5	25.0	-2.2	20.0
1,3-Dichlorobenzene	Ave	1.699	1.568	0.6000	23.1	25.0	-7.7	20.0
4-Isopropyltoluene	Ave	3.258	3.223		24.7	25.0	-1.1	20.0
1,4-Dichlorobenzene	Ave	1.728	1.573	0.5000	22.8	25.0	-9.0	20.0
n-Butylbenzene	Ave	2.696	2.544		23.6	25.0	-5.7	20.0
1,2-Dichlorobenzene	Ave	1.789	1.594	0.4000	22.3	25.0	-10.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-607406/4 Calibration Date: 12/02/2021 22:50
 Instrument ID: HP5973N Calib Start Date: 11/16/2021 18:11
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/16/2021 20:52
 Lab File ID: N9816.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1916	0.1855	0.0500	24.2	25.0	-3.2	50.0
1,2,4-Trichlorobenzene	Ave	1.187	1.064	0.2000	22.4	25.0	-10.4	20.0
Hexachlorobutadiene	Ave	0.5115	0.4972		24.3	25.0	-2.8	20.0
Naphthalene	Ave	3.374	3.125		23.2	25.0	-7.4	20.0
1,2,3-Trichlorobenzene	Ave	1.163	1.049		22.5	25.0	-9.8	20.0
Dibromofluoromethane (Surr)	Ave	1.299	1.245		24.0	25.0	-4.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.813	1.651		22.8	25.0	-8.9	20.0
Toluene-d8 (Surr)	Ave	1.305	1.293		24.8	25.0	-1.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3610	0.3770		26.1	25.0	4.4	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9816.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 02-Dec-2021 22:50:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0102839-004
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:51:36 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:51:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	221884	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	746613	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	379555	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	276138	25.0	24.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	66	366329	25.0	22.8	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	965120	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	281491	25.0	26.1	
11 Dichlorodifluoromethane	85	1.250	1.250	0.000	98	200434	25.0	20.7	
13 Chloromethane	50	1.426	1.426	0.000	99	447593	25.0	21.2	
144 Butadiene	54	1.518	1.518	0.000	98	425334	25.0	22.2	
14 Vinyl chloride	62	1.518	1.518	0.000	60	323132	25.0	22.5	
15 Bromomethane	94	1.810	1.810	0.000	89	159172	25.0	17.9	
16 Chloroethane	64	1.876	1.876	0.000	96	188896	25.0	19.6	
17 Dichlorofluoromethane	67	2.108	2.108	0.000	96	431766	25.0	19.8	
18 Trichlorofluoromethane	101	2.126	2.126	0.000	63	356371	25.0	21.1	
19 Ethyl ether	59	2.375	2.375	0.000	94	369855	25.0	22.5	
20 Acrolein	56	2.558	2.558	0.000	99	101800	125.0	112.6	
21 112TCTFE	101	2.582	2.582	0.000	93	226388	25.0	22.5	
22 1,1-Dichloroethene	96	2.600	2.600	0.000	91	222005	25.0	21.7	
23 Acetone	43	2.710	2.710	0.000	97	1025846	125.0	126.2	
24 Iodomethane	142	2.765	2.765	0.000	99	396581	25.0	21.6	
25 Carbon disulfide	76	2.807	2.807	0.000	98	649449	25.0	23.4	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	86	709820	25.0	21.4	
28 Methyl acetate	43	3.002	3.002	0.000	100	931146	50.0	45.4	
30 Methylene Chloride	84	3.118	3.118	0.000	89	268034	25.0	22.9	
31 2-Methyl-2-propanol	59	3.282	3.282	0.000	99	549844	250.0	276.1	
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	94	886192	25.0	21.0	
33 trans-1,2-Dichloroethene	96	3.324	3.324	0.000	92	287229	25.0	23.2	
34 Acrylonitrile	53	3.379	3.379	0.000	97	2308608	250.0	236.0	
35 Hexane	57	3.513	3.513	0.000	96	531638	25.0	22.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	620502	25.0	21.2	
39 Vinyl acetate	43	3.793	3.793	0.000	97	2235309	50.0	48.6	
42 2,2-Dichloropropane	77	4.255	4.255	0.000	86	224960	25.0	22.6	
43 cis-1,2-Dichloroethene	96	4.292	4.292	0.000	86	310183	25.0	21.9	
44 2-Butanone (MEK)	43	4.328	4.328	0.000	96	1557920	125.0	132.6	
47 Chlorobromomethane	128	4.523	4.523	0.000	86	165460	25.0	21.9	
49 Tetrahydrofuran	42	4.541	4.541	0.000	92	396702	50.0	49.8	
50 Chloroform	83	4.602	4.602	0.000	95	516308	25.0	19.8	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	95	415143	25.0	23.3	
52 Cyclohexane	56	4.718	4.718	0.000	96	659974	25.0	22.0	
53 Carbon tetrachloride	117	4.845	4.845	0.000	93	377257	25.0	27.4	
54 1,1-Dichloropropene	75	4.857	4.857	0.000	83	368564	25.0	22.4	
55 Benzene	78	5.064	5.064	0.000	91	1076650	25.0	22.3	
56 Isobutyl alcohol	43	5.095	5.095	0.000	91	733666	625.0	885.1	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	532424	25.0	19.9	
59 n-Heptane	43	5.247	5.247	0.000	96	625790	25.0	22.4	
60 Trichloroethene	95	5.673	5.673	0.000	94	283794	25.0	21.8	
62 Methylcyclohexane	83	5.788	5.788	0.000	95	454087	25.0	22.1	
63 1,2-Dichloropropane	63	5.916	5.916	0.000	86	324788	25.0	22.7	
64 Dibromomethane	93	6.050	6.050	0.000	94	180948	25.0	22.5	
66 1,4-Dioxane	88	6.062	6.062	0.000	58	63296	500.0	563.1	
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	382045	25.0	22.9	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	88	192243	25.0	24.8	
71 cis-1,3-Dichloropropene	75	6.622	6.622	0.000	84	420402	25.0	23.4	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	948172	125.0	122.5	
73 Toluene	92	6.902	6.902	0.000	96	663731	25.0	22.1	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	94	385902	25.0	22.8	
77 Ethyl methacrylate	69	7.236	7.236	0.000	88	325657	25.0	25.4	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	209616	25.0	23.1	
79 Tetrachloroethene	166	7.431	7.431	0.000	94	286316	25.0	23.4	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	89	407123	25.0	22.8	
82 2-Hexanone	43	7.607	7.607	0.000	98	1976122	125.0	139.0	
83 Chlorodibromomethane	129	7.771	7.771	0.000	89	279054	25.0	25.0	
84 Ethylene Dibromide	107	7.875	7.875	0.000	97	268479	25.0	23.7	
85 Chlorobenzene	112	8.349	8.349	0.000	94	743302	25.0	22.3	
88 Ethylbenzene	91	8.441	8.441	0.000	98	1185193	25.0	22.4	
89 1,1,1,2-Tetrachloroethane	131	8.447	8.447	0.000	92	290565	25.0	22.8	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	98	469829	25.0	22.8	
91 o-Xylene	106	8.988	8.988	0.000	98	471943	25.0	21.3	
92 Styrene	104	9.019	9.019	0.000	94	766455	25.0	24.0	
93 Bromoform	173	9.274	9.274	0.000	95	176080	25.0	27.6	
95 Isopropylbenzene	105	9.378	9.378	0.000	97	1251639	25.0	23.2	
97 Bromobenzene	156	9.724	9.724	0.000	92	309609	25.0	24.1	
98 1,1,2,2-Tetrachloroethane	83	9.791	9.791	0.000	94	352498	25.0	23.3	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	1407082	25.0	23.2	
99 1,2,3-Trichloropropane	110	9.816	9.816	0.000	91	112425	25.0	22.5	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	83	130801	25.0	20.8	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	299662	25.0	22.5	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	97	1045669	25.0	23.3	
105 4-Chlorotoluene	91	10.028	10.028	0.000	98	901262	25.0	22.6	
106 tert-Butylbenzene	134	10.308	10.308	0.000	95	239764	25.0	26.0	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	1069581	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	1311227	25.0	24.5	
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	96	594962	25.0	23.1	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	1223344	25.0	24.7	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	94	597044	25.0	22.8	
115 n-Butylbenzene	91	11.051	11.051	0.000	98	965421	25.0	23.6	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	96	604984	25.0	22.3	
117 1,2-Dibromo-3-Chloropropane	75	11.835	11.835	0.000	76	70404	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	12.511	12.511	0.000	95	403756	25.0	22.4	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	97	188697	25.0	24.3	
121 Naphthalene	128	12.723	12.723	0.000	97	1185936	25.0	23.2	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	94	398160	25.0	22.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00217	Amount Added: 12.50	Units: uL	
GAS CORP mix_00483	Amount Added: 12.50	Units: uL	
N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9816.D

Injection Date: 02-Dec-2021 22:50:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: CCVIS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

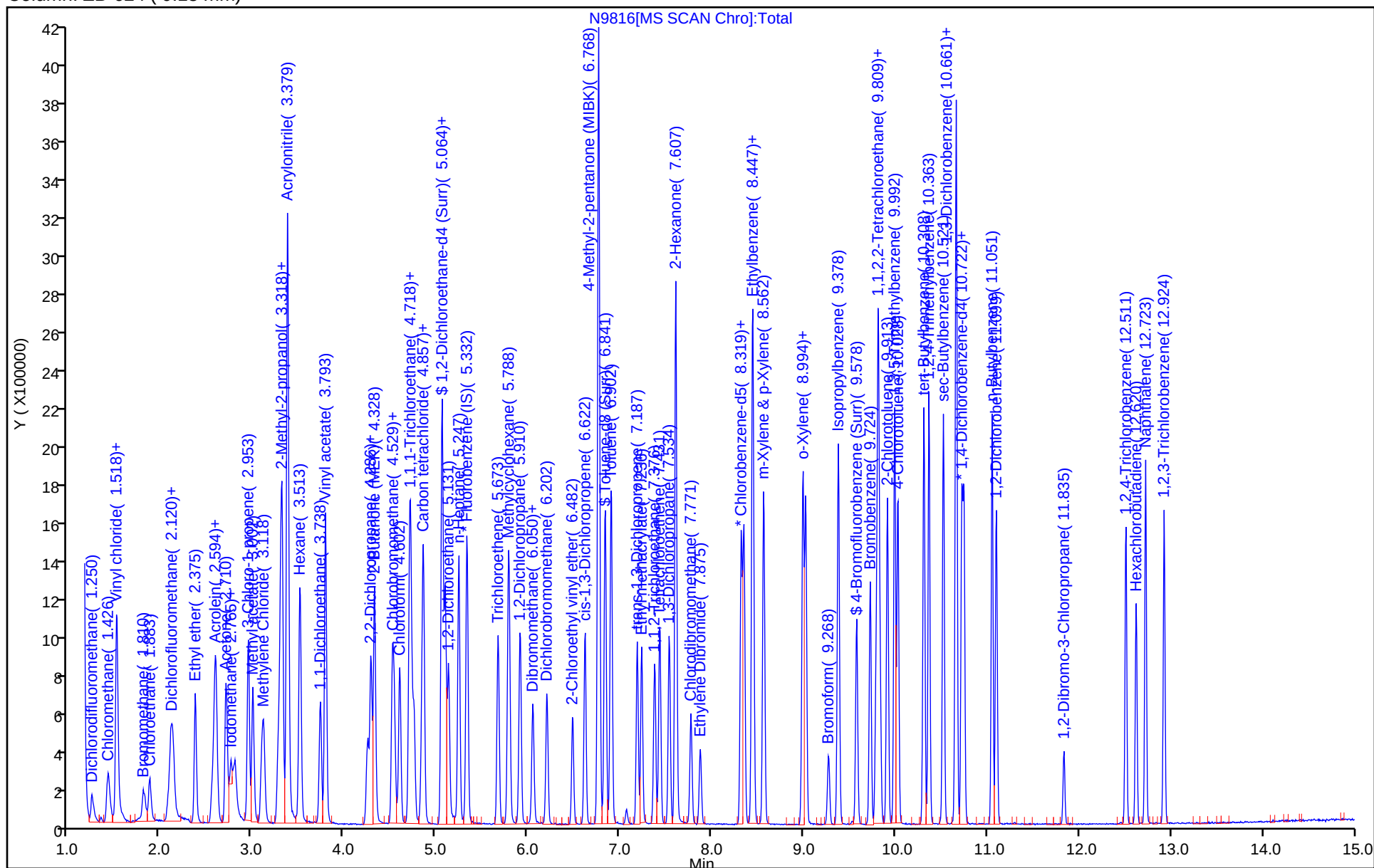
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9182.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 16-Nov-2021 17:23:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0102482-003
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Nov-2021 09:51:29 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1621

First Level Reviewer: dahnw

Date: 16-Nov-2021 17:32:15

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

\$ 4 BFB	95	4.838	4.838	0.000	86	419872	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00129

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9182.D

Injection Date: 16-Nov-2021 17:23:30

Instrument ID: HP5973N

Lims ID: BFB

Client ID:

Operator ID: wd

ALS Bottle#:

3

Worklist Smp#:

3

Injection Vol: 1.0 uL

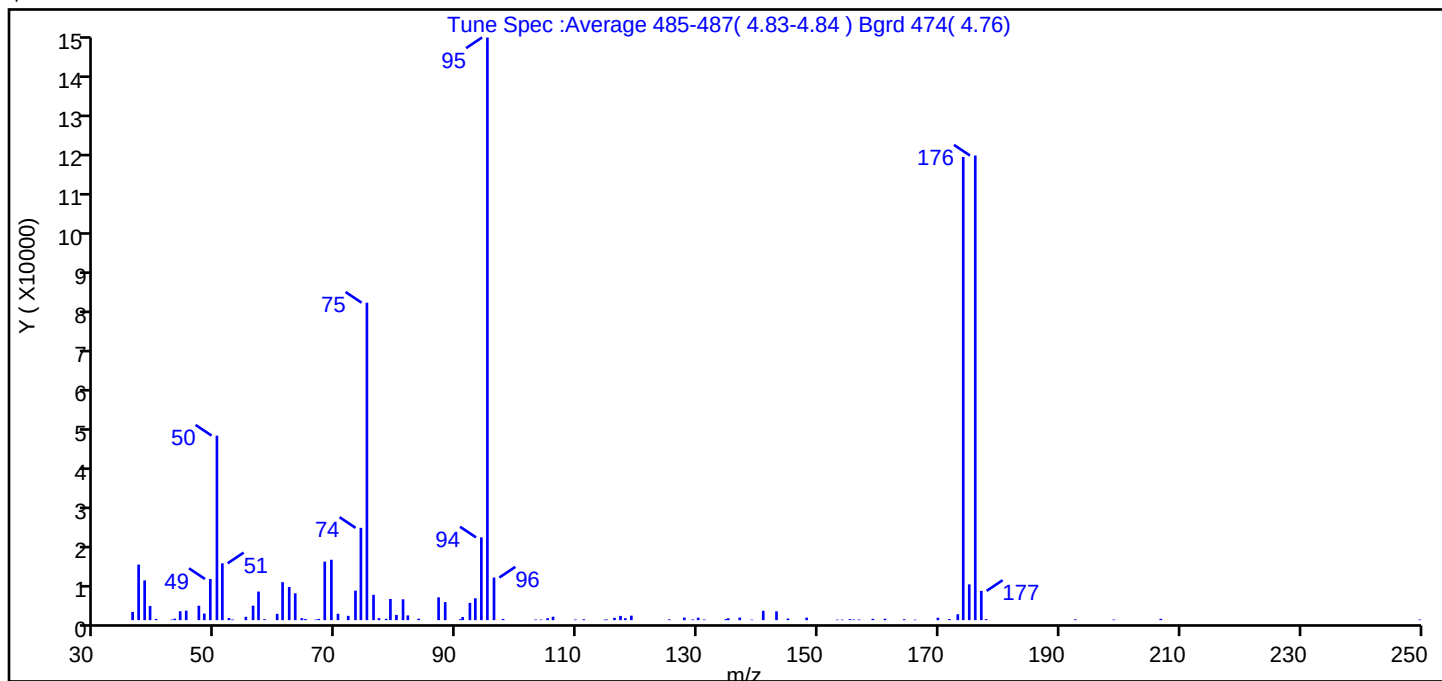
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	31.7
75	30 to 60% of m/z 95	54.5
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	1.0 (1.3)
174	50 to 120% of m/z 95	79.5
175	5 to 9% of m/z 174	6.1 (7.7)
176	Greater than 95% but less than 101% of m/z 174	79.7 (100.3)
177	5 to 9% of m/z 176	5.0 (6.3)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9182.D\N-8260.rslt\spectra.d
Injection Date: 16-Nov-2021 17:23:30
Spectrum: Tune Spec :Average 485-487(4.83-4.84) Bgrd 474(4.76)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2127	65.00	290	95.00	149952	143.00	2265
37.00	14295	66.00	144	96.00	10969	145.00	408
38.00	10230	67.00	318	98.00	315	148.00	634
39.00	3660	68.00	15059	103.00	154	153.00	142
40.00	308	69.00	15540	104.00	147	154.00	149
43.00	140	70.00	1639	105.00	487	155.00	254
43.00	381	72.00	1110	106.00	884	156.00	155
44.00	2306	73.00	7592	110.00	162	157.00	162
45.00	2455	74.00	23752	111.00	234	159.00	335
47.00	3712	75.00	81696	114.00	140	161.00	366
48.00	1694	76.00	6521	115.00	164	164.00	233
49.00	10593	77.00	513	116.00	601	166.00	143
50.00	47488	78.00	340	117.00	1093	170.00	620
51.00	14634	79.00	5449	118.00	495	172.00	278
52.00	549	80.00	1345	119.00	1149	173.00	1529
53.00	174	81.00	5369	125.00	210	174.00	119208
55.00	853	82.00	1218	128.00	660	175.00	9205
56.00	3719	84.00	369	129.00	182	176.00	119568
57.00	7352	87.00	5863	130.00	630	177.00	7532
58.00	232	88.00	4644	131.00	158	178.00	261
60.00	1624	90.00	237	135.00	271	193.00	210
61.00	9774	91.00	806	135.00	477	199.00	161
62.00	8536	92.00	4445	137.00	658	207.00	343
63.00	6914	93.00	5627	139.00	137	250.00	159
64.00	511	94.00	21296	141.00	2414		

Report Date: 17-Nov-2021 09:51:29

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9182.D

Injection Date: 16-Nov-2021 17:23:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: BFB

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 uL

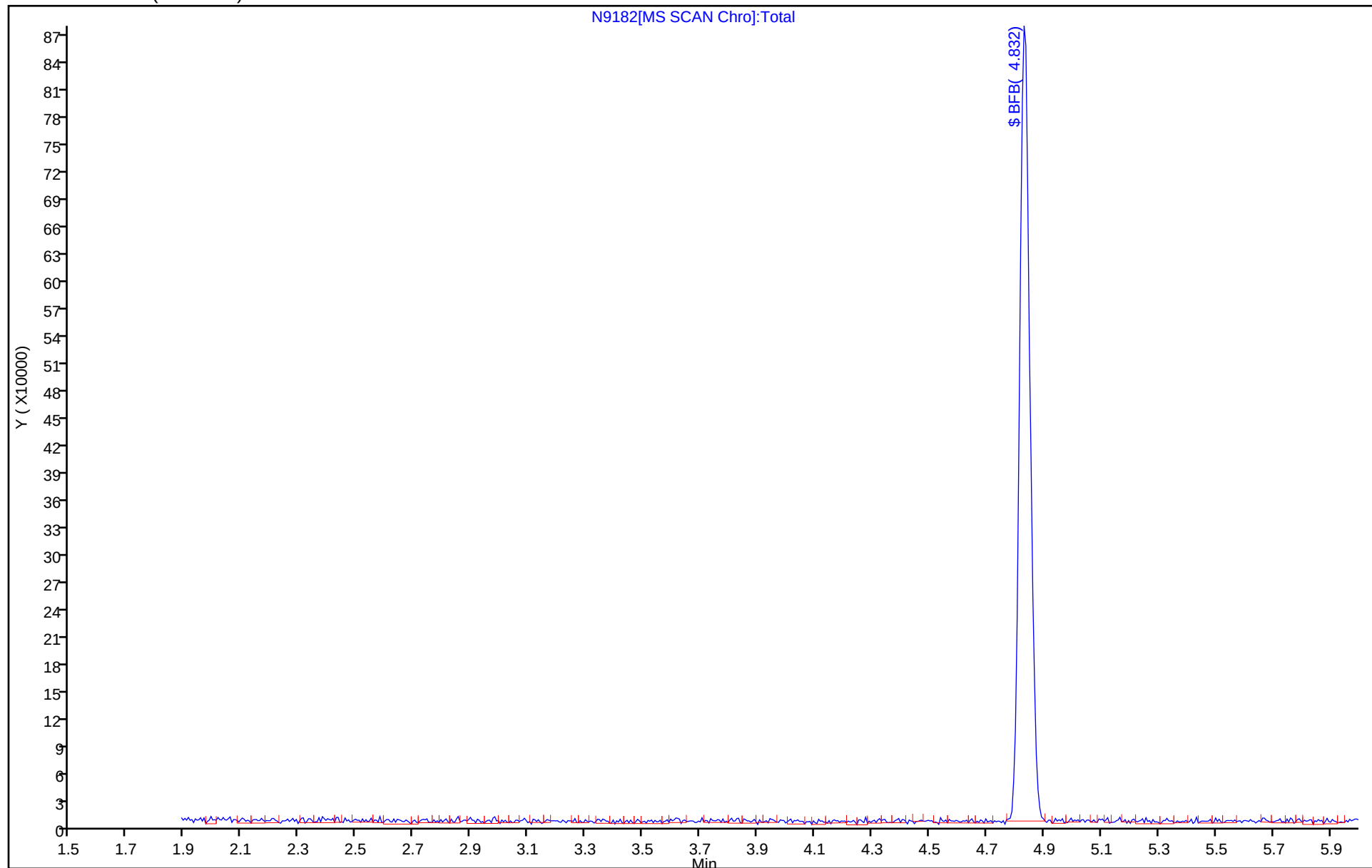
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9815.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 02-Dec-2021 22:27:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0102839-003
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:16:09 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1658

First Level Reviewer: dahnw

Date: 03-Dec-2021 08:16:09

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

\$ 4 BFB	95	4.954	4.954	0.000	86	1319428	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00129

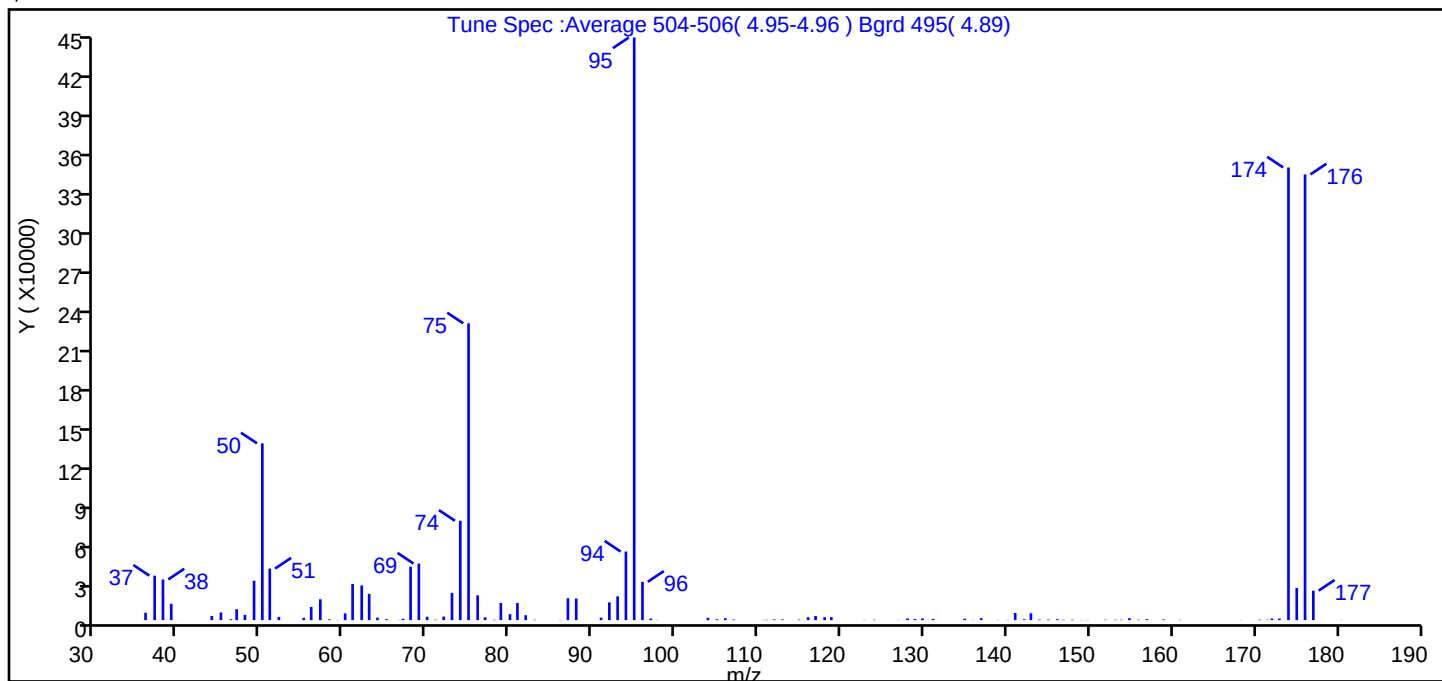
Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9815.D
 Injection Date: 02-Dec-2021 22:27:30 Instrument ID: HP5973N
 Lims ID: BFB
 Client ID:
 Operator ID: wd ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: N-8260 Limit Group: MV - 8260C ICAL
 Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.3
75	30 to 60% of m/z 95	50.9
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	77.7
175	5 to 9% of m/z 174	5.5 (7.1)
176	Greater than 95% but less than 101% of m/z 174	76.5 (98.5)
177	5 to 9% of m/z 176	5.1 (6.6)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9815.D\N-8260.rslt\spectra.d
 Injection Date: 02-Dec-2021 22:27:30
 Spectrum: Tune Spec :Average 504-506(4.95-4.96) Bgrd 495(4.89)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5720	68.00	41232	104.00	1844	143.00	5312
37.00	34312	69.00	43616	105.00	677	144.00	463
38.00	31392	70.00	2627	106.00	1465	145.00	480
39.00	12643	71.00	370	107.00	496	146.00	692
40.00	52	72.00	2740	111.00	152	147.00	316
44.00	3211	73.00	21008	111.00	290	148.00	366
45.00	5925	74.00	76624	112.00	543	149.00	142
46.00	719	75.00	228864	113.00	517	150.00	165
47.00	8435	76.00	19120	115.00	438	152.00	330
48.00	4088	77.00	2171	116.00	2254	153.00	324
49.00	30416	78.00	312	117.00	3160	154.00	334
50.00	136320	79.00	13199	118.00	2199	155.00	1470
51.00	39784	80.00	4607	119.00	2322	156.00	365
52.00	2519	81.00	13235	123.00	153	157.00	763
55.00	1816	82.00	3798	124.00	334	159.00	509
56.00	10206	83.00	329	127.00	155	161.00	233
57.00	16089	86.00	170	128.00	1285	168.00	135
58.00	577	87.00	16904	129.00	899	170.00	414
59.00	171	88.00	16680	130.00	1364	172.00	306
60.00	5230	91.00	1882	131.00	980	172.00	1241
61.00	27904	92.00	13730	135.00	1093	173.00	1196
62.00	26736	93.00	18344	136.00	144	174.00	349056
63.00	20280	94.00	52896	137.00	1491	175.00	24784
64.00	1922	95.00	449280	139.00	210	176.00	343680
65.00	748	96.00	29592	140.00	188	177.00	22744
67.00	149	97.00	1231	141.00	5501	180.00	155
67.00	1052	98.00	145	142.00	695		

Report Date: 03-Dec-2021 08:16:09

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9815.D

Injection Date: 02-Dec-2021 22:27:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: BFB

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 uL

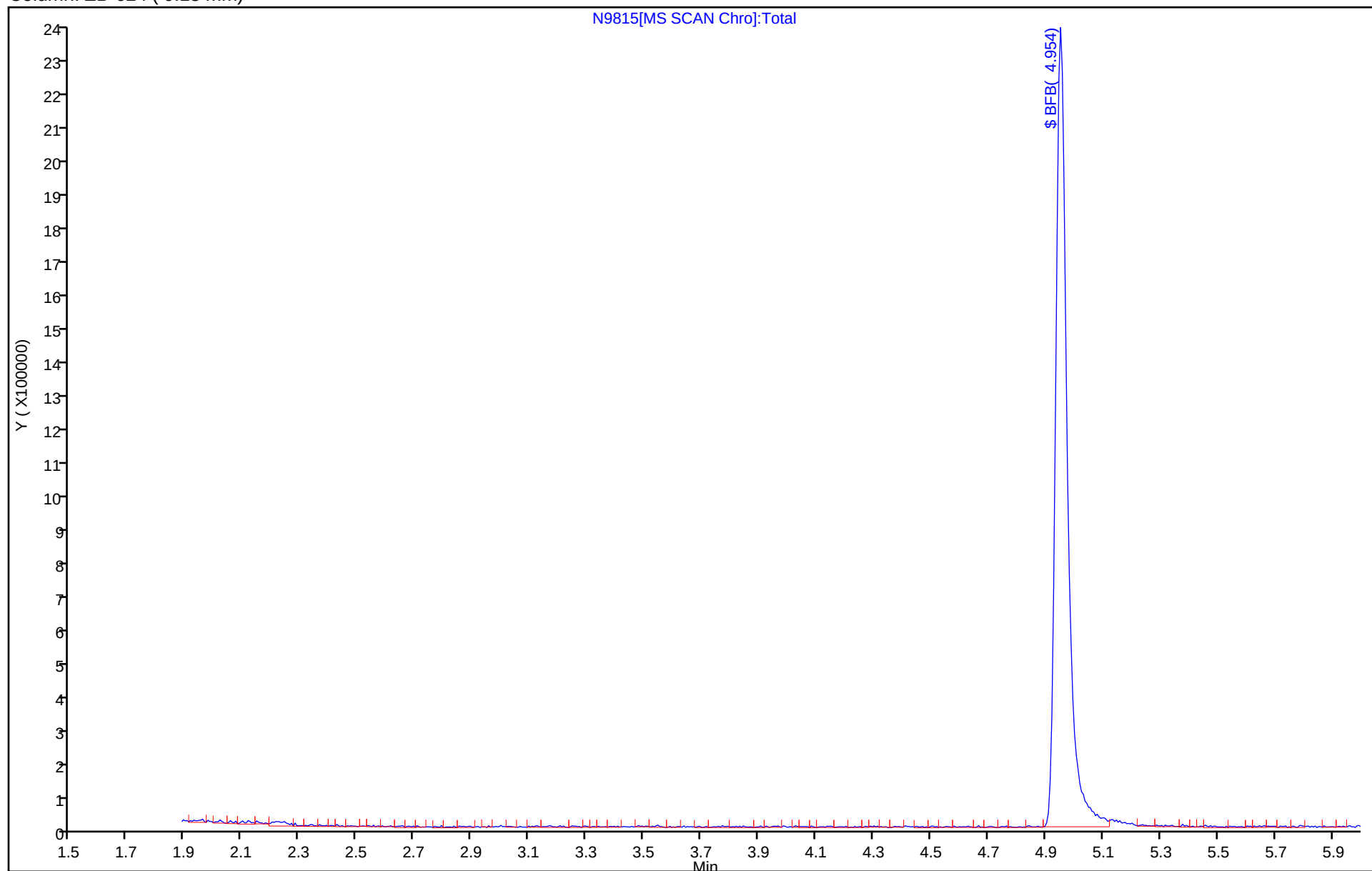
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-607406/7
 Matrix: Water Lab File ID: N9819.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/02/2021 23:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9819.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 02-Dec-2021 23:59:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0102839-007
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:53:19 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:53:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	198491	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	92	639706	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	96	324757	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	256986	25.0	24.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	97	339725	25.0	23.6	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	96	819889	25.0	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	228715	25.0	24.8	
11 Dichlorodifluoromethane	85		1.250					ND	
12 Chlorodifluoromethane	51		1.274					ND	U
13 Chloromethane	50		1.426					ND	
144 Butadiene	54		1.518					ND	
14 Vinyl chloride	62		1.518					ND	
15 Bromomethane	94		1.810					ND	
16 Chloroethane	64		1.876					ND	
17 Dichlorofluoromethane	67		2.108					ND	
18 Trichlorofluoromethane	101		2.126					ND	
19 Ethyl ether	59		2.375					ND	
141 Ethanol	45		2.400					ND	
81 Propene oxide	58		2.460					ND	
20 Acrolein	56		2.558					ND	
21 112TCTFE	101		2.582					ND	
22 1,1-Dichloroethene	96		2.600					ND	
23 Acetone	43		2.710					ND	
24 Iodomethane	142		2.765					ND	
25 Carbon disulfide	76		2.807					ND	U
26 Isopropyl alcohol	45		2.905					ND	
27 3-Chloro-1-propene	41		2.953					ND	
28 Methyl acetate	43		3.002					ND	
29 Acetonitrile	40		3.014					ND	
30 Methylene Chloride	84		3.118					ND	
31 2-Methyl-2-propanol	59		3.282					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.306					ND	
33 trans-1,2-Dichloroethene	96		3.324					ND	
34 Acrylonitrile	53		3.379					ND	
35 Hexane	57		3.513					ND	
36 1,1-Dichloroethane	63		3.738					ND	
37 Isopropyl ether	45		3.750					ND	
39 Vinyl acetate	43		3.793					ND	
38 2-Chloro-1,3-butadiene	53		3.799					ND	
40 1,1-Dimethoxyethane	75		3.829					ND	
41 Tert-butyl ethyl ether	59		4.091					ND	
42 2,2-Dichloropropane	77		4.255					ND	
43 cis-1,2-Dichloroethene	96		4.292					ND	
44 2-Butanone (MEK)	43		4.328					ND	
45 Ethyl acetate	43		4.359					ND	U
46 Propionitrile	54		4.432					ND	
47 Chlorobromomethane	128		4.523					ND	
48 Methacrylonitrile	67		4.541					ND	
49 Tetrahydrofuran	42		4.541					ND	
50 Chloroform	83		4.602					ND	
51 1,1,1-Trichloroethane	97		4.711					ND	
52 Cyclohexane	56		4.718					ND	
53 Carbon tetrachloride	117		4.845					ND	
54 1,1-Dichloropropene	75		4.857					ND	
146 Isooctane	57		5.064					ND	
55 Benzene	78		5.064					ND	
56 Isobutyl alcohol	43		5.095					ND	
57 1,2-Dichloroethane	62		5.131					ND	
58 Tert-amyl methyl ether	73		5.149					ND	
140 t-Amyl alcohol	59		5.149					ND	
59 n-Heptane	43		5.247					ND	
1 1,4-Difluorobenzene	114		5.447					ND	
60 Trichloroethene	95		5.673					ND	
61 n-Butanol	56		5.715					ND	
62 Methylcyclohexane	83		5.788					ND	
145 Ethyl acrylate	55		5.800					ND	
63 1,2-Dichloropropane	63		5.916					ND	
65 Methyl methacrylate	41		6.019					ND	
64 Dibromomethane	93		6.050					ND	
66 1,4-Dioxane	88		6.062					ND	
67 Dichlorobromomethane	83		6.202					ND	
68 2-Nitropropane	43		6.457					ND	
69 2-Chloroethyl vinyl ether	63		6.482					ND	
70 Epichlorohydrin	57		6.579					ND	
71 cis-1,3-Dichloropropene	75		6.622					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.768					ND	U
73 Toluene	92		6.902					ND	
74 2-Methylthiophene	97		7.041					ND	
75 trans-1,3-Dichloropropene	75		7.187					ND	
76 3-Methylthiophene	97		7.206					ND	
77 Ethyl methacrylate	69		7.236					ND	
78 1,1,2-Trichloroethane	83		7.376					ND	
79 Tetrachloroethene	166		7.431					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.534					ND	
82 2-Hexanone	43		7.607					ND	
149 n-Butyl acetate	43		7.717					ND	
83 Chlorodibromomethane	129		7.771					ND	
84 Ethylene Dibromide	107		7.875					ND	
139 1-Chlorohexane	55		8.301					ND	U
86 3-Chlorobenzotrifluoride	180		8.325					ND	
85 Chlorobenzene	112		8.349					ND	
87 4-Chlorobenzotrifluoride	180		8.386					ND	
88 Ethylbenzene	91		8.441					ND	
89 1,1,1,2-Tetrachloroethane	131		8.447					ND	
90 m-Xylene & p-Xylene	106		8.562					ND	
91 o-Xylene	106		8.988					ND	
92 Styrene	104		9.019					ND	
93 Bromoform	173		9.274					ND	
94 2-Chlorobenzotrifluoride	180		9.304					ND	
95 Isopropylbenzene	105		9.378					ND	
96 Cyclohexanone	55		9.554					ND	U
97 Bromobenzene	156		9.724					ND	
98 1,1,2,2-Tetrachloroethane	83		9.791					ND	U
100 N-Propylbenzene	91		9.809					ND	
99 1,2,3-Trichloropropane	110		9.816					ND	
101 trans-1,4-Dichloro-2-butene	53		9.834					ND	
102 2-Chlorotoluene	126		9.913					ND	
103 3-Chlorotoluene	126		9.980					ND	
104 1,3,5-Trimethylbenzene	105		9.992					ND	
105 4-Chlorotoluene	91		10.028					ND	
106 tert-Butylbenzene	134		10.308					ND	
108 1,2,4-Trimethylbenzene	105		10.363					ND	
107 Pentachloroethane	167		10.369					ND	
109 sec-Butylbenzene	105		10.521					ND	
110 1,3-Dichlorobenzene	146		10.655					ND	
111 4-Isopropyltoluene	119		10.661					ND	
112 Dicyclopentadiene	66		10.722					ND	
113 1,4-Dichlorobenzene	146		10.746					ND	
114 1,2,3-Trimethylbenzene	105		10.777					ND	
143 Benzyl chloride	126		10.898					ND	
115 n-Butylbenzene	91		11.051					ND	
116 1,2-Dichlorobenzene	146		11.099					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.835					ND	
118 1,3,5-Trichlorobenzene	180		11.969					ND	
119 1,2,4-Trichlorobenzene	180		12.511					ND	
120 Hexachlorobutadiene	225		12.620					ND	
121 Naphthalene	128		12.723					ND	
122 1,2,3-Trichlorobenzene	180		12.924					ND	
142 2-Methylnaphthalene	142		13.642					ND	U
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
133 Halothane	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7
S 126 Xylenes, Total	1		30.000					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 Total BTEX	1		30.000					ND	7
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7
S 151 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00225

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00431

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9819.D

Injection Date: 02-Dec-2021 23:59:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

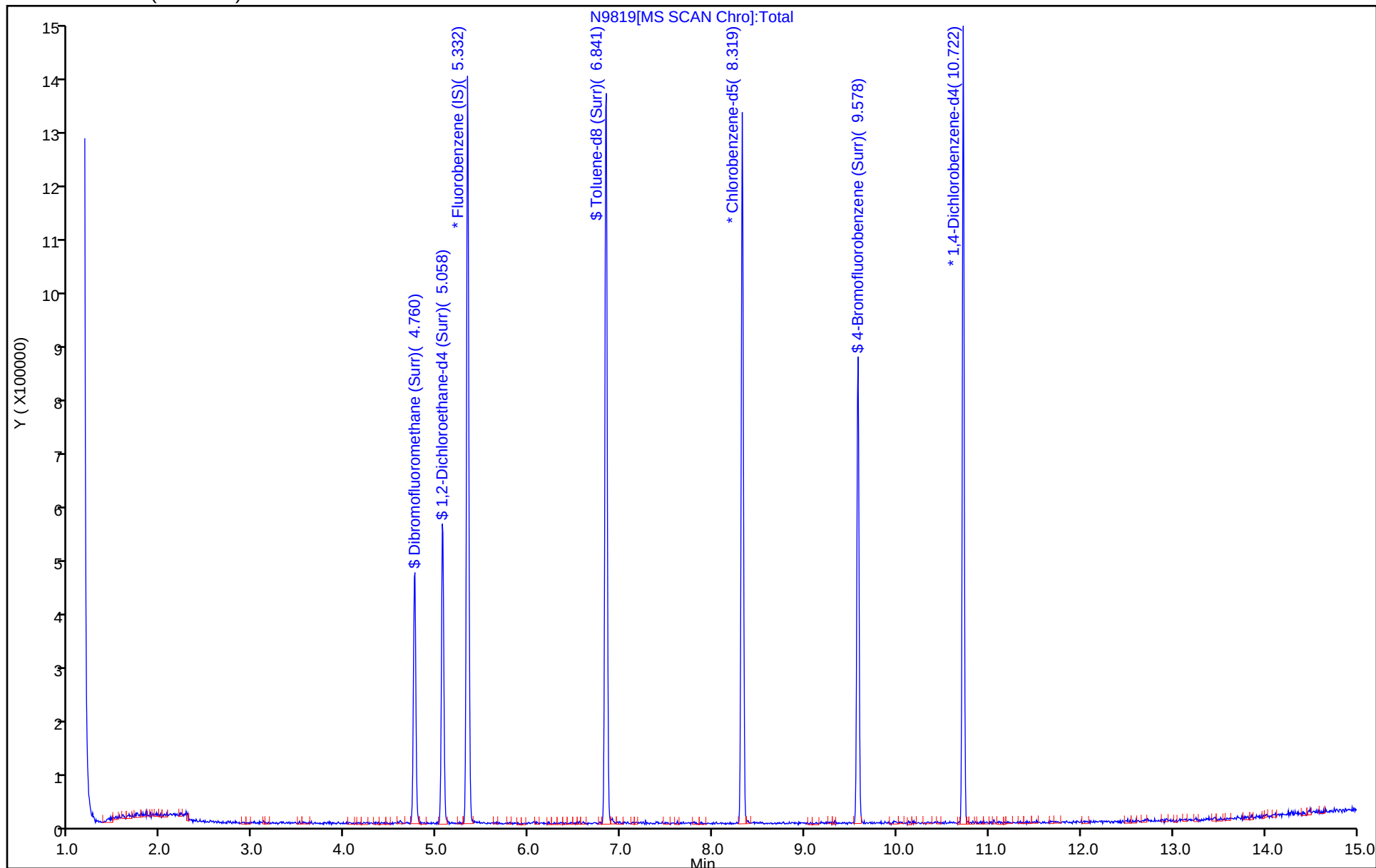
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-607406/5
 Matrix: Water Lab File ID: N9817.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/02/2021 23:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	24.7		1.0	0.41
100-41-4	Ethylbenzene	25.2		1.0	0.74
108-88-3	Toluene	24.5		1.0	0.51
1330-20-7	Xylenes, Total	49.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9817.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 02-Dec-2021 23:13:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0102839-005
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:51:36 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:52:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	222413	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	90	745401	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	388393	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	92	280904	25.0	24.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	85	365276	25.0	22.6	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	-0.001	96	942980	25.0	24.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	90	279253	25.0	25.9	
11 Dichlorodifluoromethane	85	1.244	1.250	-0.006	98	221955	25.0	22.8	
13 Chloromethane	50	1.426	1.426	0.000	99	485647	25.0	22.9	
144 Butadiene	54	1.517	1.518	-0.001	96	478426	25.0	24.9	
14 Vinyl chloride	62	1.517	1.518	-0.001	53	347149	25.0	24.1	
15 Bromomethane	94	1.809	1.810	-0.001	91	190729	25.0	21.5	
16 Chloroethane	64	1.876	1.876	0.000	95	215892	25.0	22.3	
17 Dichlorofluoromethane	67	2.107	2.108	-0.001	97	486801	25.0	22.3	
18 Trichlorofluoromethane	101	2.120	2.126	-0.006	94	391813	25.0	23.2	
19 Ethyl ether	59	2.375	2.375	0.000	96	403144	25.0	24.4	
20 Acrolein	56	2.546	2.558	-0.012	99	110058	125.0	121.4	
21 112TCTFE	101	2.576	2.582	-0.006	95	255797	25.0	25.3	
22 1,1-Dichloroethene	96	2.594	2.600	-0.006	93	259270	25.0	25.2	
23 Acetone	43	2.710	2.710	0.000	97	1101676	125.0	135.2	
24 Iodomethane	142	2.758	2.765	-0.007	99	453118	25.0	24.7	
25 Carbon disulfide	76	2.801	2.807	-0.006	98	745667	25.0	26.8	
27 3-Chloro-1-propene	41	2.953	2.953	0.000	86	821661	25.0	24.7	
28 Methyl acetate	43	3.002	3.002	0.000	99	1020282	50.0	49.6	
30 Methylene Chloride	84	3.105	3.118	-0.013	91	302287	25.0	25.8	
31 2-Methyl-2-propanol	59	3.282	3.282	0.000	98	675414	250.0	338.4	
32 Methyl tert-butyl ether	73	3.306	3.306	0.000	94	980743	25.0	23.2	
33 trans-1,2-Dichloroethene	96	3.318	3.324	-0.006	91	314786	25.0	25.4	
34 Acrylonitrile	53	3.379	3.379	0.000	98	2523144	250.0	257.3	
35 Hexane	57	3.513	3.513	0.000	95	598426	25.0	25.3	
36 1,1-Dichloroethane	63	3.738	3.738	0.000	96	690798	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.793	3.793	0.000	96	2453819	50.0	53.3	
42 2,2-Dichloropropane	77	4.249	4.255	-0.006	84	269192	25.0	27.0	
43 cis-1,2-Dichloroethene	96	4.285	4.292	-0.007	85	339282	25.0	23.9	
44 2-Butanone (MEK)	43	4.322	4.328	-0.006	96	1649152	125.0	140.1	
47 Chlorobromomethane	128	4.523	4.523	0.000	85	180298	25.0	23.8	
49 Tetrahydrofuran	42	4.541	4.541	0.000	92	413213	50.0	51.7	
50 Chloroform	83	4.602	4.602	0.000	95	576416	25.0	22.1	
51 1,1,1-Trichloroethane	97	4.711	4.711	0.000	97	480696	25.0	26.9	
52 Cyclohexane	56	4.717	4.718	-0.001	96	768000	25.0	25.4	
53 Carbon tetrachloride	117	4.845	4.845	0.000	95	431374	25.0	31.3	
54 1,1-Dichloropropene	75	4.863	4.857	0.006	84	414331	25.0	25.2	
55 Benzene	78	5.064	5.064	0.000	94	1198168	25.0	24.7	
56 Isobutyl alcohol	43	5.095	5.095	0.000	94	811563	625.0	976.8	
57 1,2-Dichloroethane	62	5.131	5.131	0.000	95	582689	25.0	21.8	
59 n-Heptane	43	5.247	5.247	0.000	96	723326	25.0	25.8	
60 Trichloroethene	95	5.672	5.673	-0.001	94	316229	25.0	24.2	
62 Methylcyclohexane	83	5.788	5.788	0.000	95	518317	25.0	25.0	
63 1,2-Dichloropropane	63	5.910	5.916	-0.006	89	362169	25.0	25.2	
64 Dibromomethane	93	6.050	6.050	0.000	96	200715	25.0	24.9	
66 1,4-Dioxane	88	6.056	6.062	-0.006	48	74677	500.0	665.4	
67 Dichlorobromomethane	83	6.202	6.202	0.000	96	413764	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.482	6.482	0.000	86	218017	25.0	28.1	
71 cis-1,3-Dichloropropene	75	6.615	6.622	-0.007	84	459803	25.0	25.6	
72 4-Methyl-2-pentanone (MIBK)	58	6.768	6.768	0.000	98	1005729	125.0	130.1	
73 Toluene	92	6.901	6.902	-0.001	96	733602	25.0	24.5	
75 trans-1,3-Dichloropropene	75	7.187	7.187	0.000	92	427049	25.0	25.3	
77 Ethyl methacrylate	69	7.236	7.236	0.000	89	363233	25.0	28.4	
78 1,1,2-Trichloroethane	83	7.376	7.376	0.000	95	225280	25.0	24.8	
79 Tetrachloroethene	166	7.431	7.431	0.000	94	330484	25.0	27.0	
80 1,3-Dichloropropane	76	7.534	7.534	0.000	90	434059	25.0	24.4	
82 2-Hexanone	43	7.607	7.607	0.000	98	2041436	125.0	143.9	
83 Chlorodibromomethane	129	7.771	7.771	0.000	90	299788	25.0	26.9	
84 Ethylene Dibromide	107	7.875	7.875	0.000	99	284349	25.0	25.2	
85 Chlorobenzene	112	8.349	8.349	0.000	92	805915	25.0	24.3	
88 Ethylbenzene	91	8.440	8.441	-0.001	98	1329304	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	8.453	8.447	0.006	91	326794	25.0	25.6	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	97	531906	25.0	25.8	
91 o-Xylene	106	8.988	8.988	0.000	97	522406	25.0	23.7	
92 Styrene	104	9.025	9.019	0.005	93	827073	25.0	25.9	
93 Bromoform	173	9.274	9.274	0.000	96	192393	25.0	30.2	
95 Isopropylbenzene	105	9.377	9.378	-0.001	97	1420091	25.0	25.7	
97 Bromobenzene	156	9.724	9.724	0.000	91	331315	25.0	25.2	
98 1,1,2,2-Tetrachloroethane	83	9.785	9.791	-0.006	94	375945	25.0	24.3	
100 N-Propylbenzene	91	9.809	9.809	0.000	99	1594549	25.0	25.7	
99 1,2,3-Trichloropropane	110	9.821	9.816	0.005	88	118891	25.0	23.3	
101 trans-1,4-Dichloro-2-butene	53	9.834	9.834	0.000	83	152532	25.0	23.7	
102 2-Chlorotoluene	126	9.913	9.913	0.000	96	333069	25.0	24.5	
104 1,3,5-Trimethylbenzene	105	9.992	9.992	0.000	96	1171527	25.0	25.5	
105 4-Chlorotoluene	91	10.028	10.028	0.000	97	985790	25.0	24.1	
106 tert-Butylbenzene	134	10.314	10.308	0.006	95	255877	25.0	27.1	
108 1,2,4-Trimethylbenzene	105	10.363	10.363	0.000	98	1173195	25.0	25.6	
109 sec-Butylbenzene	105	10.521	10.521	0.000	95	1480456	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.655	10.655	0.000	98	650243	25.0	24.6	
111 4-Isopropyltoluene	119	10.661	10.661	0.000	98	1353778	25.0	26.7	
113 1,4-Dichlorobenzene	146	10.746	10.746	0.000	93	645482	25.0	24.0	
115 n-Butylbenzene	91	11.050	11.051	0.000	98	1069470	25.0	25.5	
116 1,2-Dichlorobenzene	146	11.099	11.099	0.000	96	657072	25.0	23.6	
117 1,2-Dibromo-3-Chloropropane	75	11.829	11.835	-0.006	76	70351	25.0	23.6	
119 1,2,4-Trichlorobenzene	180	12.510	12.511	-0.001	94	415677	25.0	22.5	
120 Hexachlorobutadiene	225	12.620	12.620	0.000	96	199445	25.0	25.1	
121 Naphthalene	128	12.723	12.723	0.000	97	1248262	25.0	23.8	
122 1,2,3-Trichlorobenzene	180	12.924	12.924	0.000	96	429417	25.0	23.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00217	Amount Added: 12.50	Units: uL	
GAS CORP mix_00483	Amount Added: 12.50	Units: uL	
N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9817.D

Injection Date: 02-Dec-2021 23:13:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

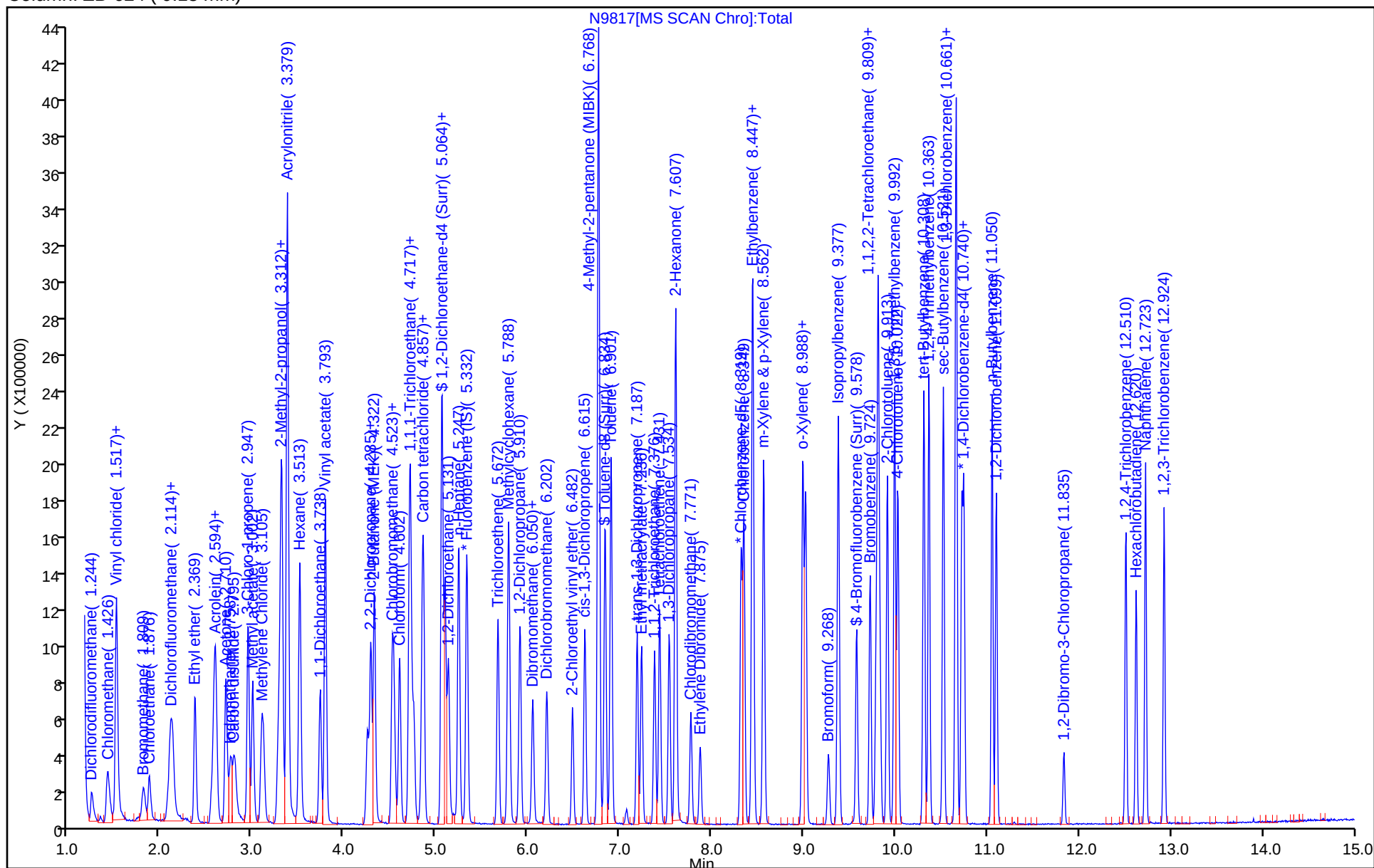
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-2D-113021 MS Lab Sample ID: 480-192935-2 MS
 Matrix: Water Lab File ID: N9835.D
 Analysis Method: 8260C Date Collected: 11/30/2021 09:00
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 06:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	28.1		1.0	0.41
100-41-4	Ethylbenzene	28.3		1.0	0.74
108-88-3	Toluene	27.3		1.0	0.51
1330-20-7	Xylenes, Total	56.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9835.D
 Lims ID: 480-192935-D-2 MS
 Client ID: PRMW-2D-113021
 Sample Type: MS
 Inject. Date: 03-Dec-2021 06:08:30 ALS Bottle#: 23 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-2 MS
 Misc. Info.: 480-0102839-023
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:57:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	97	210357	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	90	707660	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	364081	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	274570	25.0	25.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	60	350867	25.0	23.0	
\$ 6 Toluene-d8 (Surr)	98	6.835	6.841	-0.006	96	945980	25.0	25.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	256641	25.0	25.1	
55 Benzene	78	5.064	5.064	0.000	92	1287397	25.0	28.1	
73 Toluene	92	6.902	6.902	0.000	96	775163	25.0	27.3	
88 Ethylbenzene	91	8.441	8.441	0.000	98	1420176	25.0	28.3	
90 m-Xylene & p-Xylene	106	8.562	8.562	0.000	97	569432	25.0	29.1	
91 o-Xylene	106	8.988	8.988	0.000	97	577621	25.0	27.6	
S 126 Xylenes, Total	1				0			56.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00217	Amount Added: 12.50	Units: uL	
GAS CORP mix_00483	Amount Added: 12.50	Units: uL	
N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 03-Dec-2021 08:57:03

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9835.D

Injection Date: 03-Dec-2021 06:08:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-2 MS

Worklist Smp#: 23

Client ID: PRMW-2D-113021

Purge Vol: 5.000 mL

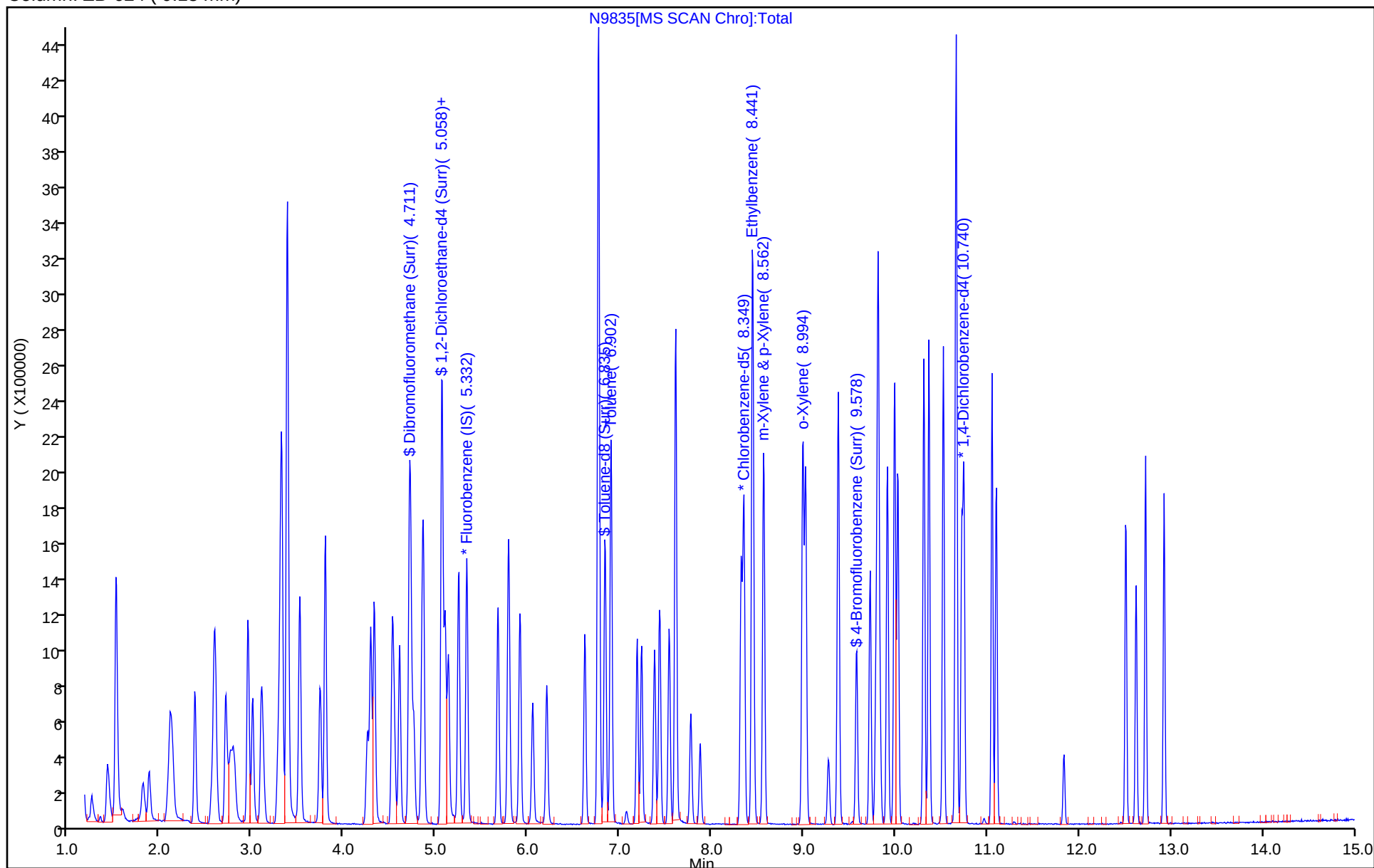
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-2D-113021 MSD Lab Sample ID: 480-192935-2 MSD
 Matrix: Water Lab File ID: N9836.D
 Analysis Method: 8260C Date Collected: 11/30/2021 09:00
 Sample wt/vol: 5 (mL) Date Analyzed: 12/03/2021 06:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 607406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	29.6		1.0	0.41
100-41-4	Ethylbenzene	28.5		1.0	0.74
108-88-3	Toluene	27.6		1.0	0.51
1330-20-7	Xylenes, Total	55.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9836.D
 Lims ID: 480-192935-D-2 MSD
 Client ID: PRMW-2D-113021
 Sample Type: MSD
 Inject. Date: 03-Dec-2021 06:30:30 ALS Bottle#: 24 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192935-D-2 MSD
 Misc. Info.: 480-0102839-024
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Dec-2021 08:55:23 Calib Date: 17-Nov-2021 01:05:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20211116-102482.b\N9202.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: lapointec

Date: 03-Dec-2021 08:57:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.332	5.332	0.000	98	207196	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.319	8.319	0.000	90	731261	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.722	10.722	0.000	95	369639	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.754	4.754	0.000	93	271450	25.0	25.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.058	5.058	0.000	58	358653	25.0	23.9	
\$ 6 Toluene-d8 (Surr)	98	6.841	6.841	0.000	95	941475	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.578	9.578	0.000	88	269605	25.0	25.5	
55 Benzene	78	5.064	5.064	0.000	92	1337976	25.0	29.6	
73 Toluene	92	6.908	6.902	0.006	98	810794	25.0	27.6	
88 Ethylbenzene	91	8.441	8.441	0.000	98	1476703	25.0	28.5	
90 m-Xylene & p-Xylene	106	8.568	8.562	0.006	97	581045	25.0	28.7	
91 o-Xylene	106	8.994	8.988	0.006	97	573969	25.0	26.5	
S 126 Xylenes, Total	1				0			55.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00217	Amount Added: 12.50	Units: uL	
GAS CORP mix_00483	Amount Added: 12.50	Units: uL	
N 8260 IS_00225	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00431	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20211202-102839.b\N9836.D

Injection Date: 03-Dec-2021 06:30:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-192935-D-2 MSD

Worklist Smp#: 24

Client ID: PRMW-2D-113021

Purge Vol: 5.000 mL

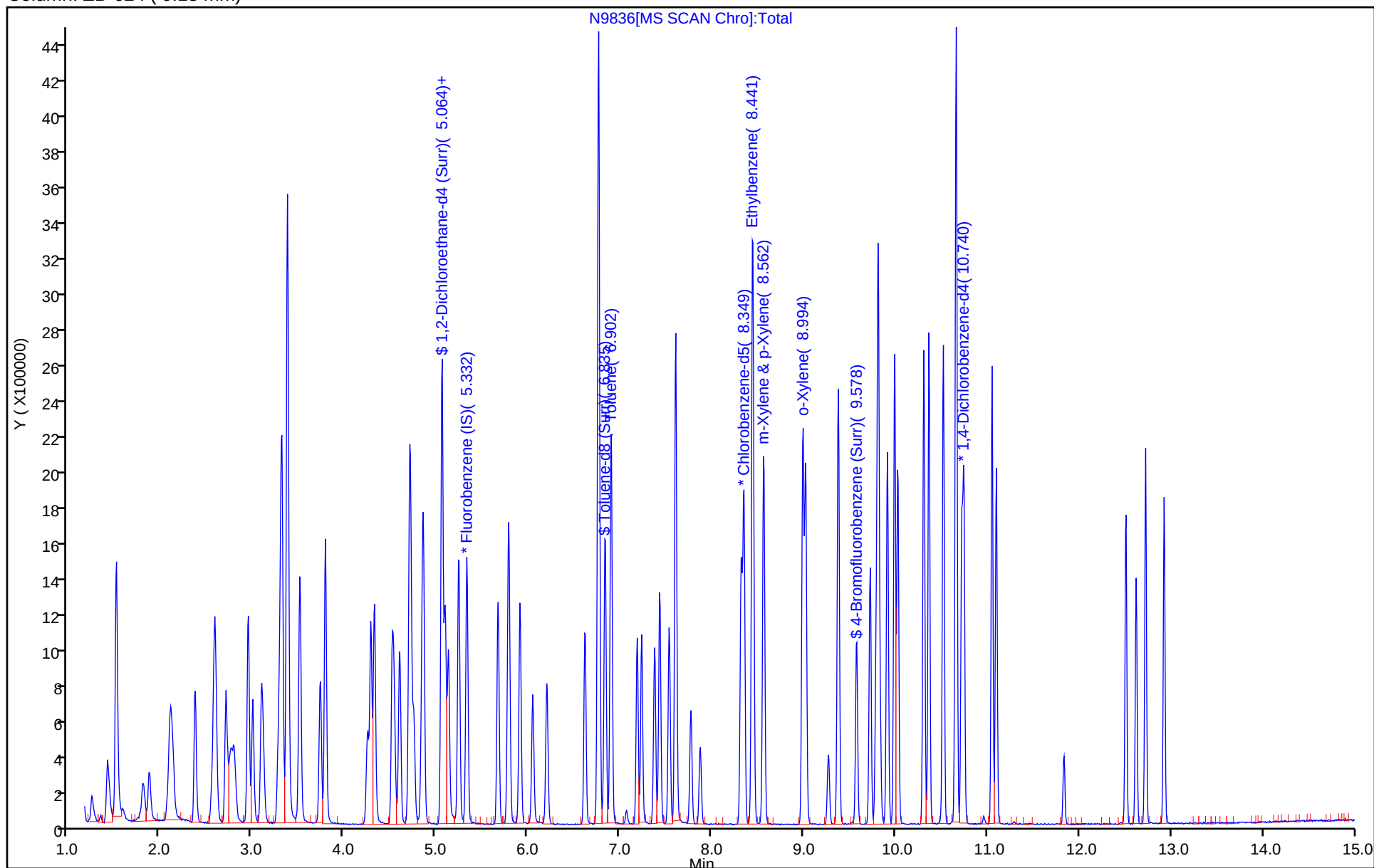
Dil. Factor: 1.0000

ALS Bottle#: 24

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-192935-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 11/16/2021 17:23Analysis Batch Number: 605236End Date: 11/17/2021 02:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-605236/3		11/16/2021 17:23	1	N9182.D	ZB-624 (20) 0.18 (mm)
IC 480-605236/5		11/16/2021 18:11	1	N9184.D	ZB-624 (20) 0.18 (mm)
IC 480-605236/6		11/16/2021 18:34	1	N9185.D	ZB-624 (20) 0.18 (mm)
IC 480-605236/7		11/16/2021 18:57	1	N9186.D	ZB-624 (20) 0.18 (mm)
IC 480-605236/8		11/16/2021 19:20	1	N9187.D	ZB-624 (20) 0.18 (mm)
IC 480-605236/9		11/16/2021 19:43	1	N9188.D	ZB-624 (20) 0.18 (mm)
ICIS 480-605236/10		11/16/2021 20:06	1	N9189.D	ZB-624 (20) 0.18 (mm)
IC 480-605236/11		11/16/2021 20:29	1	N9190.D	ZB-624 (20) 0.18 (mm)
IC 480-605236/12		11/16/2021 20:52	1	N9191.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		11/16/2021 21:38	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/16/2021 22:01	1		ZB-624 (20) 0.18 (mm)
IC 480-605236/17		11/16/2021 22:47	1		ZB-624 (20) 0.18 (mm)
IC 480-605236/18		11/16/2021 23:10	1		ZB-624 (20) 0.18 (mm)
IC 480-605236/19		11/16/2021 23:33	1		ZB-624 (20) 0.18 (mm)
IC 480-605236/20		11/16/2021 23:56	1		ZB-624 (20) 0.18 (mm)
IC 480-605236/21		11/17/2021 00:19	1		ZB-624 (20) 0.18 (mm)
IC 480-605236/22		11/17/2021 00:42	1		ZB-624 (20) 0.18 (mm)
IC 480-605236/23		11/17/2021 01:05	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/17/2021 01:51	1		ZB-624 (20) 0.18 (mm)
ICV 480-605236/26		11/17/2021 02:14	1	N9205.D	ZB-624 (20) 0.18 (mm)
ICV 480-605236/27		11/17/2021 02:37	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG No.:

Instrument ID: HP5973N

Start Date: 12/02/2021 22:27

Analysis Batch Number: 607406

End Date: 12/03/2021 06:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-607406/3		12/02/2021 22:27	1	N9815.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-607406/4		12/02/2021 22:50	1	N9816.D	ZB-624 (20) 0.18 (mm)
LCS 480-607406/5		12/02/2021 23:13	1	N9817.D	ZB-624 (20) 0.18 (mm)
MB 480-607406/7		12/02/2021 23:59	1	N9819.D	ZB-624 (20) 0.18 (mm)
480-192935-1	PRMW-1S-112921	12/03/2021 00:22	1	N9820.D	ZB-624 (20) 0.18 (mm)
480-192935-2	PRMW-2D-113021	12/03/2021 00:45	1	N9821.D	ZB-624 (20) 0.18 (mm)
480-192935-3	PRMW-2S-113021	12/03/2021 01:08	1	N9822.D	ZB-624 (20) 0.18 (mm)
480-192935-4	PRMW-3D-113021	12/03/2021 01:31	1	N9823.D	ZB-624 (20) 0.18 (mm)
480-192935-5	PRMW-3S-113021	12/03/2021 01:54	1	N9824.D	ZB-624 (20) 0.18 (mm)
480-192935-6	PRMW-4S-112921	12/03/2021 02:17	1	N9825.D	ZB-624 (20) 0.18 (mm)
480-192935-7	DUP-112921	12/03/2021 02:40	1	N9826.D	ZB-624 (20) 0.18 (mm)
480-192935-8	PRMW-5D-113021	12/03/2021 03:03	1	N9827.D	ZB-624 (20) 0.18 (mm)
480-192935-9	PRMW-5S-113021	12/03/2021 03:26	1	N9828.D	ZB-624 (20) 0.18 (mm)
480-192935-10	PRMW-6D-113021	12/03/2021 03:50	1	N9829.D	ZB-624 (20) 0.18 (mm)
480-192935-11	PRMW-6S-113021	12/03/2021 04:13	1	N9830.D	ZB-624 (20) 0.18 (mm)
480-192935-12	TMW-1D-113021	12/03/2021 04:36	1	N9831.D	ZB-624 (20) 0.18 (mm)
480-192935-13	EB-120121	12/03/2021 04:59	1	N9832.D	ZB-624 (20) 0.18 (mm)
480-192935-14	TB-1-120121	12/03/2021 05:22	1	N9833.D	ZB-624 (20) 0.18 (mm)
480-192935-15	TB-2-120121	12/03/2021 05:45	1	N9834.D	ZB-624 (20) 0.18 (mm)
480-192935-2 MS	PRMW-2D-113021 MS	12/03/2021 06:08	1	N9835.D	ZB-624 (20) 0.18 (mm)
480-192935-2 MSD	PRMW-2D-113021 MSD	12/03/2021 06:30	1	N9836.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 605236 Batch Start Date: 11/16/21 17:23 Batch Analyst: Dahn, William JBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00217	BFB_WRK 00129	GAS CORP mix 00480	N 8260 IS 00225
BFB 480-605236/3		8260C		1 uL	1 uL		1 uL		
IC 480-605236/5		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-605236/6		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-605236/7		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-605236/8		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-605236/9		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-605236/10		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-605236/11		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-605236/12		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-605236/26		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N_8260_Surr 00431	SS 8260 CORP 00096	SS GAS CORP 00431			
BFB 480-605236/3		8260C							
IC 480-605236/5		8260C		1 uL					
IC 480-605236/6		8260C		1 uL					
IC 480-605236/7		8260C		1 uL					
IC 480-605236/8		8260C		1 uL					
IC 480-605236/9		8260C		1 uL					
ICIS 480-605236/10		8260C		1 uL					
IC 480-605236/11		8260C		1 uL					
IC 480-605236/12		8260C		1 uL					
ICV 480-605236/26		8260C		1 uL	12.5 uL	12.5 uL			

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 605236 Batch Start Date: 11/16/21 17:23 Batch Analyst: Dahn, William JBatch Method: 8260C Batch End Date: _____

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 607406 Batch Start Date: 12/02/21 22:27 Batch Analyst: LaPointe, Cody RBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00217	BFB_WRK 00129	GAS CORP mix 00483
BFB 480-607406/3		8260C		1 uL	1 uL			1 uL	
CCVIS 480-607406/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-607406/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-607406/7		8260C		5 mL	5 mL				
480-192935-D-1	PRMW-1S-112921	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-2	PRMW-2D-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-3	PRMW-2S-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-4	PRMW-3D-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-5	PRMW-3S-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-6	PRMW-4S-112921	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-7	DUP-112921	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-8	PRMW-5D-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-9	PRMW-5S-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-10	PRMW-6D-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-11	PRMW-6S-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-12	TMW-1D-113021	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-13	EB-120121	8260C	T	5 mL	5 mL	<2 SU			
480-192935-A-14	TB-1-120121	8260C	T	5 mL	5 mL	<2 SU			
480-192935-A-15	TB-2-120121	8260C	T	5 mL	5 mL	<2 SU			
480-192935-D-2 MS	PRMW-2D-113021	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-192935-D-2 MSD	PRMW-2D-113021	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00225	N_8260_Surr 00431	AnalysisComment			
BFB 480-607406/3		8260C							
CCVIS 480-607406/4		8260C		1 uL	1 uL				
LCS 480-607406/5		8260C		1 uL	1 uL				

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.

8260C

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 607406 Batch Start Date: 12/02/21 22:27 Batch Analyst: LaPointe, Cody RBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00225	N_8260_Surr 00431	AnalysisComment			
MB 480-607406/7		8260C		1 uL	1 uL				
480-192935-D-1	PRMW-1S-112921	8260C	T	1 uL	1 uL				
480-192935-D-2	PRMW-2D-113021	8260C	T	1 uL	1 uL				
480-192935-D-3	PRMW-2S-113021	8260C	T	1 uL	1 uL				
480-192935-D-4	PRMW-3D-113021	8260C	T	1 uL	1 uL				
480-192935-D-5	PRMW-3S-113021	8260C	T	1 uL	1 uL				
480-192935-D-6	PRMW-4S-112921	8260C	T	1 uL	1 uL				
480-192935-D-7	DUP-112921	8260C	T	1 uL	1 uL				
480-192935-D-8	PRMW-5D-113021	8260C	T	1 uL	1 uL				
480-192935-D-9	PRMW-5S-113021	8260C	T	1 uL	1 uL				
480-192935-D-10	PRMW-6D-113021	8260C	T	1 uL	1 uL				
480-192935-D-11	PRMW-6S-113021	8260C	T	1 uL	1 uL				
480-192935-D-12	TMW-1D-113021	8260C	T	1 uL	1 uL				
480-192935-D-13	EB-120121	8260C	T	1 uL	1 uL				
480-192935-A-14	TB-1-120121	8260C	T	1 uL	1 uL				
480-192935-A-15	TB-2-120121	8260C	T	1 uL	1 uL				
480-192935-D-2	PRMW-2D-113021	8260C	T	1 uL	1 uL	CLIENT QC			
MS									
480-192935-D-2	PRMW-2D-113021	8260C	T	1 uL	1 uL	CLIENT QC			
MSD									

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.

Method 8270D

Semivolatile Organic Compounds
(GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHd14 #
PRMW-1S-112921	480-192935-1	72	90	103
PRMW-2D-113021	480-192935-2	58	70	90
PRMW-2S-113021	480-192935-3	74	93	98
PRMW-3D-113021	480-192935-4	75	89	84
PRMW-3S-113021	480-192935-5	89	105	102
PRMW-4S-112921	480-192935-6	89	112	106
DUP-112921	480-192935-7	80	105	98
PRMW-5D-113021	480-192935-8	92	109	107
PRMW-5S-113021	480-192935-9	74	91	90
PRMW-6D-113021	480-192935-10	91	109	112
PRMW-6S-113021	480-192935-11	82	99	94
TMW-1D-113021	480-192935-12	59	71	92
EB-120121	480-192935-13	69	87	112
	MB 480-607419/1-A	90	107	112
	LCS 480-607419/2-A	79	94	98
PRMW-2D-113021 MS	480-192935-2 MS	87	93	77
PRMW-2D-113021 MSD	480-192935-2 MSD	77	97	78

	<u>QC LIMITS</u>
NBZ = Nitrobenzene-d5 (Surr)	46-120
FBP = 2-Fluorobiphenyl	48-120
TPHd14 = p-Terphenyl-d14 (Surr)	60-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Y02827368.D
 Lab ID: LCS 480-607419/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	32.0	30.9	96	60-120	
Acenaphthylene	32.0	29.4	92	63-120	
Anthracene	32.0	31.5	98	67-120	
Benzo[a]anthracene	32.0	31.2	97	70-121	
Benzo[a]pyrene	32.0	27.4	86	60-123	
Benzo[b]fluoranthene	32.0	30.2	94	66-126	
Benzo[g,h,i]perylene	32.0	32.2	101	66-150	
Benzo[k]fluoranthene	32.0	28.9	90	65-124	
Chrysene	32.0	30.6	96	69-120	
Dibenz(a,h)anthracene	32.0	32.2	101	65-135	
Fluoranthene	32.0	32.7	102	69-126	
Fluorene	32.0	33.0	103	66-120	
Indeno[1,2,3-cd]pyrene	32.0	31.6	99	69-146	
Naphthalene	32.0	28.5	89	57-120	
Phenanthrene	32.0	30.9	96	68-120	
Pyrene	32.0	30.8	96	70-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Y02827369.D
 Lab ID: 480-192935-2 MS Client ID: PRMW-2D-113021 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	32.0	ND	30.1	94	48-120	
Acenaphthylene	32.0	ND	27.9	87	63-120	
Anthracene	32.0	ND	30.2	94	65-122	
Benzo[a]anthracene	32.0	ND	25.3	79	43-124	
Benzo[a]pyrene	32.0	ND	20.7	65	23-125	
Benzo[b]fluoranthene	32.0	ND	22.7	71	27-127	
Benzo[g,h,i]perylene	32.0	ND	23.9	75	16-147	
Benzo[k]fluoranthene	32.0	ND	22.0	69	20-124	
Chrysene	32.0	ND	24.9	78	44-122	
Dibenz(a,h)anthracene	32.0	ND	23.6	74	16-139	
Fluoranthene	32.0	ND	30.9	97	63-129	
Fluorene	32.0	ND	31.7	99	62-120	
Indeno[1,2,3-cd]pyrene	32.0	ND	23.2	73	16-140	
Naphthalene	32.0	ND	28.0	87	45-120	
Phenanthrene	32.0	ND	29.2	91	65-122	
Pyrene	32.0	ND	29.3	92	58-128	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Y02827370.D
 Lab ID: 480-192935-2 MSD Client ID: PRMW-2D-113021 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	32.0	30.2	94	1	24	48-120	
Acenaphthylene	32.0	29.3	92	5	18	63-120	
Anthracene	32.0	32.0	100	6	15	65-122	
Benzo[a]anthracene	32.0	26.8	84	6	15	43-124	
Benzo[a]pyrene	32.0	21.9	68	6	15	23-125	
Benzo[b]fluoranthene	32.0	24.2	76	6	15	27-127	
Benzo[g,h,i]perylene	32.0	25.2	79	5	15	16-147	
Benzo[k]fluoranthene	32.0	23.2	72	5	22	20-124	
Chrysene	32.0	26.1	82	5	15	44-122	
Dibenz(a,h)anthracene	32.0	25.2	79	7	15	16-139	
Fluoranthene	32.0	32.5	102	5	15	63-129	
Fluorene	32.0	32.1	100	1	15	62-120	
Indeno[1,2,3-cd]pyrene	32.0	24.9	78	7	15	16-140	
Naphthalene	32.0	27.0	84	4	29	45-120	
Phenanthrene	32.0	31.6	99	8	15	65-122	
Pyrene	32.0	31.3	98	7	19	58-128	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Lab File ID: Y02827367.D Lab Sample ID: MB 480-607419/1-A
 Matrix: Water Date Extracted: 12/02/2021 14:29
 Instrument ID: HP5973Y Date Analyzed: 12/03/2021 12:04
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-607419/2-A	Y02827368.D	12/03/2021 12:31
PRMW-2D-113021 MS	480-192935-2 MS	Y02827369.D	12/03/2021 12:58
PRMW-2D-113021 MSD	480-192935-2 MSD	Y02827370.D	12/03/2021 13:26
PRMW-2D-113021	480-192935-2	Y02827371.D	12/03/2021 13:53
PRMW-1S-112921	480-192935-1	Y02827372.D	12/03/2021 14:21
PRMW-2S-113021	480-192935-3	Y02827373.D	12/03/2021 14:48
PRMW-3D-113021	480-192935-4	Y02827374.D	12/03/2021 15:15
PRMW-3S-113021	480-192935-5	Y02827375.D	12/03/2021 15:43
PRMW-4S-112921	480-192935-6	Y02827376.D	12/03/2021 16:10
DUP-112921	480-192935-7	Y02827377.D	12/03/2021 16:37
PRMW-5D-113021	480-192935-8	Y02827378.D	12/03/2021 17:04
PRMW-5S-113021	480-192935-9	Y02827379.D	12/03/2021 17:32
PRMW-6D-113021	480-192935-10	Y02827380.D	12/03/2021 17:59
PRMW-6S-113021	480-192935-11	Y02827381.D	12/03/2021 18:26
TMW-1D-113021	480-192935-12	Y02827382.D	12/03/2021 18:53
EB-120121	480-192935-13	Y02827383.D	12/03/2021 19:21

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG No.: _____
Lab File ID: Y02826635.D DFTPP Injection Date: 11/12/2021
Instrument ID: HP5973Y DFTPP Injection Time: 10:55
Analysis Batch No.: 604656

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	29.2
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	36.5
70	Less than 2% of mass 69	0.1 (0.3) 1
127	10-80% of Base Peak	46.4
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	7.0
275	10-60% of Base Peak	32.0
365	Greater than 1% of mass 198	4.6
441	present but less than 24% of mass 442	10.4 (6.7) 2
442	Greater than 50% of mass 198	155.3
443	15-24% of mass 442	31.1 (20.0) 2

1-Value is % mass 69

2-Value is % mass 442

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 480-604656/3	Y02826636.D	11/12/2021	11:23
	IC 480-604656/4	Y02826637.D	11/12/2021	11:50
	IC 480-604656/5	Y02826638.D	11/12/2021	12:17
	IC 480-604656/6	Y02826639.D	11/12/2021	12:44
	ICIS 480-604656/7	Y02826640.D	11/12/2021	13:12
	IC 480-604656/8	Y02826641.D	11/12/2021	13:39
	IC 480-604656/9	Y02826642.D	11/12/2021	14:06
	IC 480-604656/10	Y02826643.D	11/12/2021	14:33
	ICV 480-604656/11	Y02826644.D	11/12/2021	15:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG No.: _____
Lab File ID: Y02827362.D DFTPP Injection Date: 12/03/2021
Instrument ID: HP5973Y DFTPP Injection Time: 09:48
Analysis Batch No.: 607479

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	27.0
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	33.1
70	Less than 2% of mass 69	0.1 (0.3) 1
127	10-80% of Base Peak	42.6
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	7.2
275	10-60% of Base Peak	32.4
365	Greater than 1% of mass 198	4.9
441	present but less than 24% of mass 442	19.1 (10.9) 2
442	Greater than 50% of mass 198	175.4
443	15-24% of mass 442	33.7 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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 480-607479/3	Y02827363.D	12/03/2021	10:15
	MB 480-607419/1-A	Y02827367.D	12/03/2021	12:04
	LCS 480-607419/2-A	Y02827368.D	12/03/2021	12:31
PRMW-2D-113021 MS	480-192935-2 MS	Y02827369.D	12/03/2021	12:58
PRMW-2D-113021 MSD	480-192935-2 MSD	Y02827370.D	12/03/2021	13:26
PRMW-2D-113021	480-192935-2	Y02827371.D	12/03/2021	13:53
PRMW-1S-112921	480-192935-1	Y02827372.D	12/03/2021	14:21
PRMW-2S-113021	480-192935-3	Y02827373.D	12/03/2021	14:48
PRMW-3D-113021	480-192935-4	Y02827374.D	12/03/2021	15:15
PRMW-3S-113021	480-192935-5	Y02827375.D	12/03/2021	15:43
PRMW-4S-112921	480-192935-6	Y02827376.D	12/03/2021	16:10
DUP-112921	480-192935-7	Y02827377.D	12/03/2021	16:37
PRMW-5D-113021	480-192935-8	Y02827378.D	12/03/2021	17:04
PRMW-5S-113021	480-192935-9	Y02827379.D	12/03/2021	17:32
PRMW-6D-113021	480-192935-10	Y02827380.D	12/03/2021	17:59
PRMW-6S-113021	480-192935-11	Y02827381.D	12/03/2021	18:26
TMW-1D-113021	480-192935-12	Y02827382.D	12/03/2021	18:53
EB-120121	480-192935-13	Y02827383.D	12/03/2021	19:21

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Sample No.: ICIS 480-604656/7 Date Analyzed: 11/12/2021 13:12
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826640.D Heated Purge: (Y/N) N
 Calibration ID: 42716

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	308051	6.63	1090979	7.72	657931	9.21	
UPPER LIMIT	616102	7.13	2181958	8.22	1315862	9.71	
LOWER LIMIT	154026	6.13	545490	7.22	328966	8.71	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-604656/11		311454	6.63	1087237	7.72	676673	9.21
CCVIS 480-607479/3		302529	6.48	1070262	7.57	666450	9.05

DCBd4 = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Sample No.: ICIS 480-604656/7 Date Analyzed: 11/12/2021 13:12
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826640.D Heated Purge: (Y/N) N
 Calibration ID: 42716

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1195275	10.47	1165813	13.25	1287219	15.52	
UPPER LIMIT	2390550	10.97	2331626	13.75	2574438	16.02	
LOWER LIMIT	597638	9.97	582907	12.75	643610	15.02	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-604656/11		1201082	10.47	1197768	13.25	1313357	15.52
CCVIS 480-607479/3		1208232	10.31	1280540	13.01	1496683	15.23

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Sample No.: CCVIS 480-607479/3 Date Analyzed: 12/03/2021 10:15
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02827363.D Heated Purge: (Y/N) N
 Calibration ID: 42720

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		302529	6.48	1070262	7.57	666450	9.05
UPPER LIMIT		605058	6.98	2140524	8.07	1332900	9.55
LOWER LIMIT		151265	5.98	535131	7.07	333225	8.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-607419/1-A		273089	6.48	931021	7.57	592210	9.05
LCS 480-607419/2-A		260885	6.48	931618	7.56	572674	9.05
480-192935-2 MS	PRMW-2D-113021 MS	256166	6.48	920923	7.57	568286	9.05
480-192935-2 MSD	PRMW-2D-113021 MSD	262314	6.48	937153	7.57	571159	9.05
480-192935-2	PRMW-2D-113021	272520	6.48	933512	7.56	580205	9.05
480-192935-1	PRMW-1S-112921	260995	6.48	946585	7.56	601652	9.05
480-192935-3	PRMW-2S-113021	256236	6.48	920147	7.56	569674	9.05
480-192935-4	PRMW-3D-113021	265800	6.48	929311	7.57	580508	9.05
480-192935-5	PRMW-3S-113021	259581	6.48	922729	7.56	572898	9.05
480-192935-6	PRMW-4S-112921	260843	6.48	961098	7.56	573109	9.05
480-192935-7	DUP-112921	265130	6.48	943136	7.57	574034	9.05
480-192935-8	PRMW-5D-113021	260918	6.48	944378	7.56	593084	9.05
480-192935-9	PRMW-5S-113021	273670	6.48	928188	7.56	592183	9.05
480-192935-10	PRMW-6D-113021	263970	6.48	934071	7.56	580992	9.05
480-192935-11	PRMW-6S-113021	265622	6.48	937446	7.56	579267	9.05
480-192935-12	TMW-1D-113021	257382	6.48	903374	7.56	572753	9.05
480-192935-13	EB-120121	256780	6.48	954833	7.57	566133	9.05

DCBd4 = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Sample No.: CCVIS 480-607479/3 Date Analyzed: 12/03/2021 10:15
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02827363.D Heated Purge: (Y/N) N
 Calibration ID: 42720

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1208232	10.31	1280540	13.01	1496683	15.23
UPPER LIMIT		2416464	10.81	2561080	13.51	2993366	15.73
LOWER LIMIT		604116	9.81	640270	12.51	748342	14.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-607419/1-A		1067328	10.31	1084607	13.01	1280660	15.22
LCS 480-607419/2-A		1055722	10.31	1076515	13.01	1275968	15.23
480-192935-2 MS	PRMW-2D-113021 MS	1054614	10.31	1078547	13.01	1277412	15.23
480-192935-2 MSD	PRMW-2D-113021 MSD	1051695	10.31	1078856	13.01	1260943	15.22
480-192935-2	PRMW-2D-113021	1049046	10.31	1065311	13.00	1280365	15.23
480-192935-1	PRMW-1S-112921	1031408	10.31	1045522	13.01	1203400	15.22
480-192935-3	PRMW-2S-113021	1003231	10.31	1016681	13.01	1206437	15.23
480-192935-4	PRMW-3D-113021	1067336	10.31	1057117	13.01	1256214	15.23
480-192935-5	PRMW-3S-113021	1050829	10.31	1059963	13.01	1213998	15.22
480-192935-6	PRMW-4S-112921	1039632	10.31	1063645	13.01	1256002	15.22
480-192935-7	DUP-112921	1023699	10.31	1051067	13.01	1231233	15.23
480-192935-8	PRMW-5D-113021	1083692	10.31	1068666	13.01	1286700	15.23
480-192935-9	PRMW-5S-113021	1061606	10.31	1087713	13.01	1304216	15.22
480-192935-10	PRMW-6D-113021	1031944	10.31	1046142	13.01	1264660	15.23
480-192935-11	PRMW-6S-113021	1046781	10.31	1079081	13.01	1290743	15.22
480-192935-12	TMW-1D-113021	1037784	10.31	1069346	13.01	1252757	15.23
480-192935-13	EB-120121	1024326	10.31	1069053	13.01	1265279	15.22

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-1S-112921 Lab Sample ID: 480-192935-1
 Matrix: Water Lab File ID: Y02827372.D
 Analysis Method: 8270D Date Collected: 11/29/2021 15:35
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 14:21
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	90		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	72		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	103		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827372.D
 Lims ID: 480-192935-B-1-A
 Client ID: PRMW-1S-112921
 Sample Type: Client
 Inject. Date: 03-Dec-2021 14:21:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-012
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 12:56:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	93	260995	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	98	946585	4.00	
* 3 Acenaphthene-d10	164	9.049	9.052	-0.003	89	601652	4.00	
* 4 Phenanthrene-d10	188	10.309	10.311	-0.002	94	1031408	4.00	
* 5 Chrysene-d12	240	13.008	13.004	0.004	97	1045522	4.00	
* 6 Perylene-d12	264	15.224	15.221	0.004	99	1203400	4.00	
\$ 9 Nitrobenzene-d5	82	6.944	6.947	-0.003	86	447957	5.75	
\$ 10 2-Fluorobiphenyl	172	8.454	8.453	0.001	98	1460885	7.16	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	2258066	8.28	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178	10.332	10.332	0.000	92	6253	0.0233	a
152 Anthracene	178		10.377				ND	U
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202		11.600				ND	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:22

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827372.D

Injection Date: 03-Dec-2021 14:21:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-B-1-A

Lab Sample ID: 480-192935-1

Worklist Smp#: 12

Client ID: PRMW-1S-112921

Injection Vol: 2.0 ul

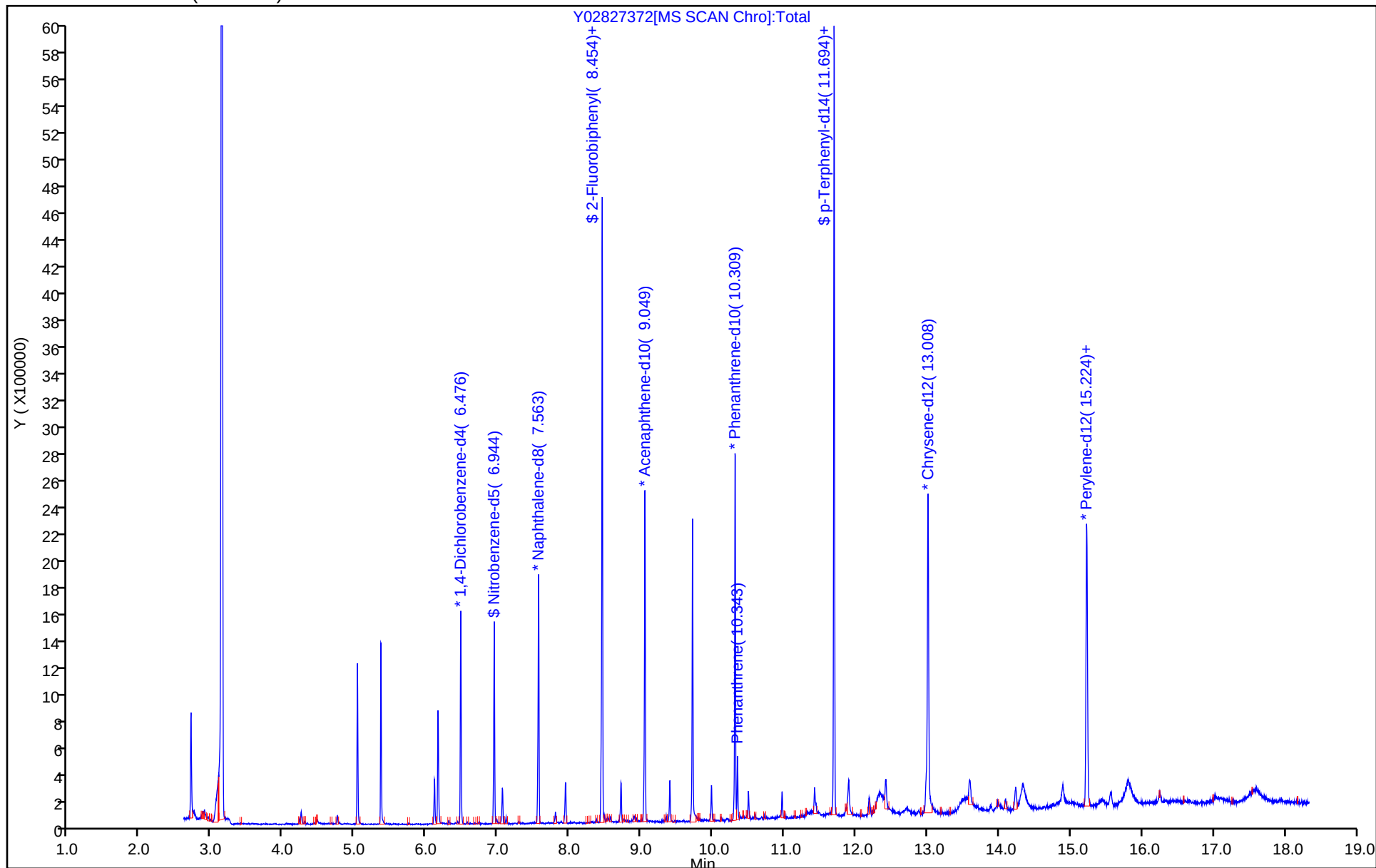
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827372.D

Injection Date: 03-Dec-2021 14:21:30

Instrument ID: HP5973Y

Lims ID: 480-192935-B-1-A

Lab Sample ID: 480-192935-1

Client ID: PRMW-1S-112921

Operator ID: JM

ALS Bottle#:

12

Worklist Smp#: 12

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

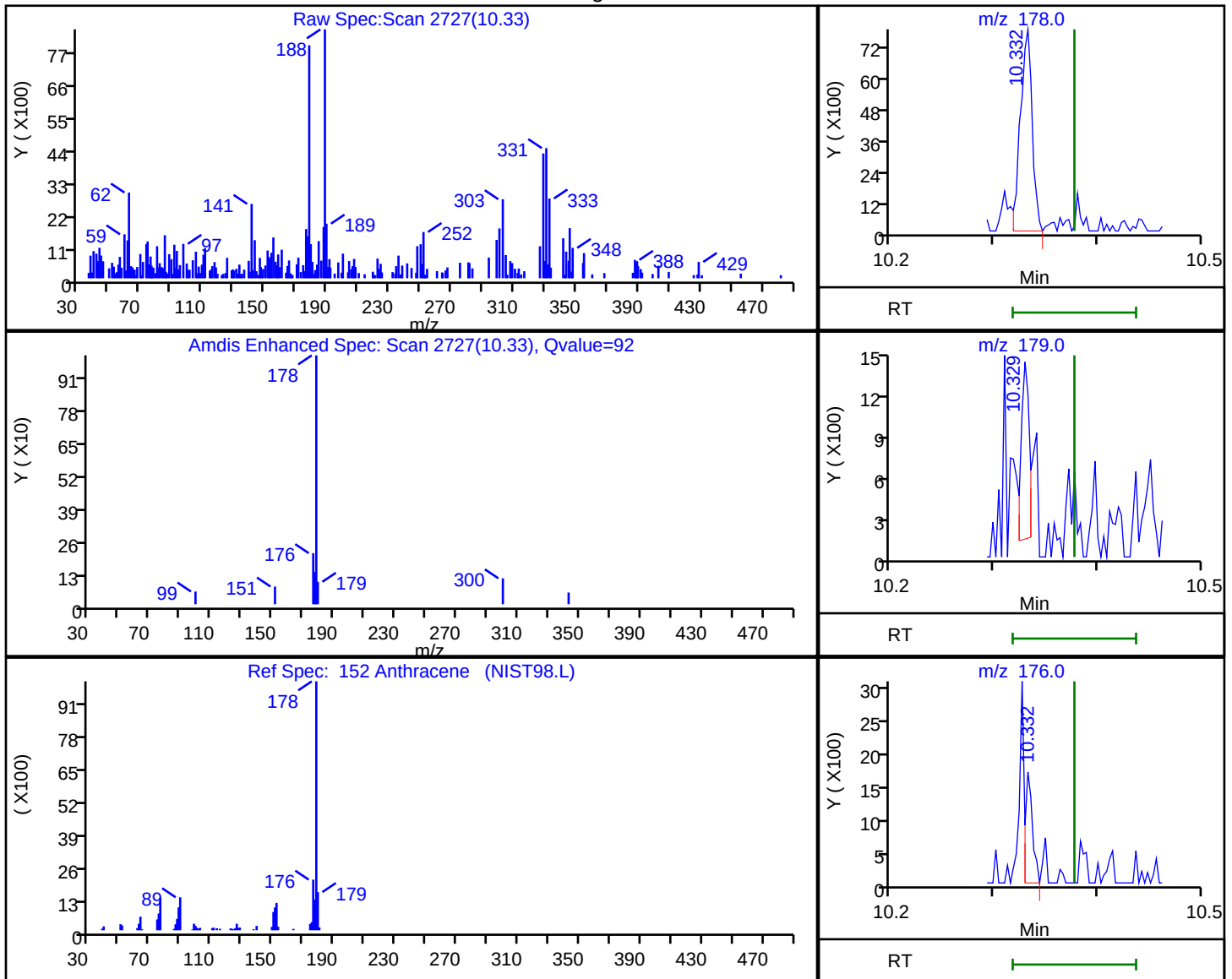
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

152 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
10.33	178.00	6253	0.023532
10.33	179.00	677	
10.33	176.00	791	

Reviewer: marshallj, 06-Dec-2021 12:54:31

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827372.D

Injection Date: 03-Dec-2021 14:21:30

Instrument ID: HP5973Y

Lims ID: 480-192935-B-1-A

Lab Sample ID: 480-192935-1

Client ID: PRMW-1S-112921

Operator ID: JM

ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

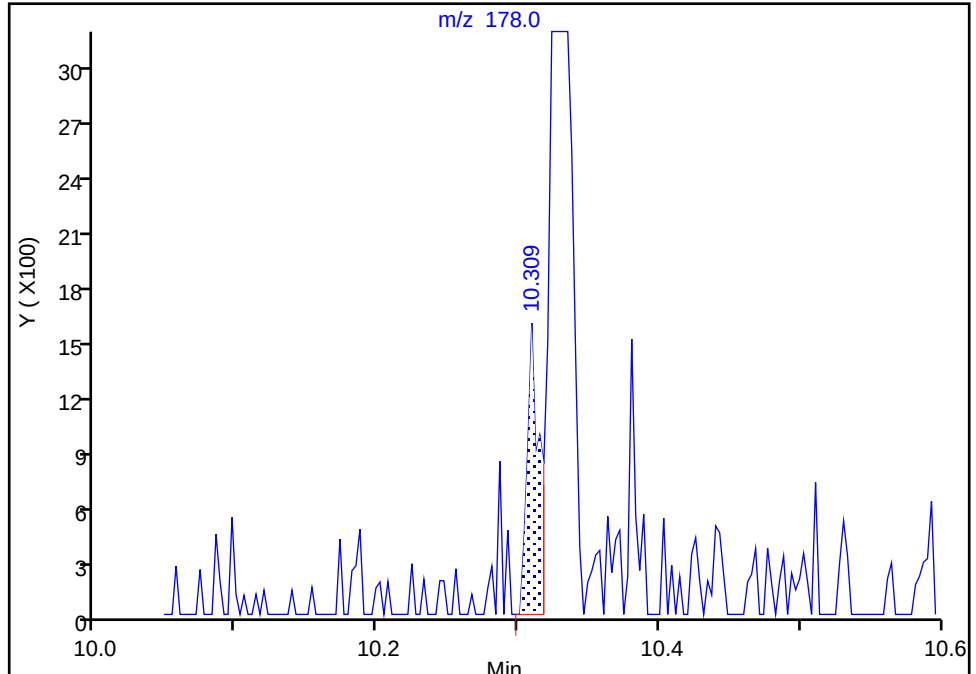
Detector: MS SCAN

151 Phenanthrene, CAS: 85-01-8

Signal: 1

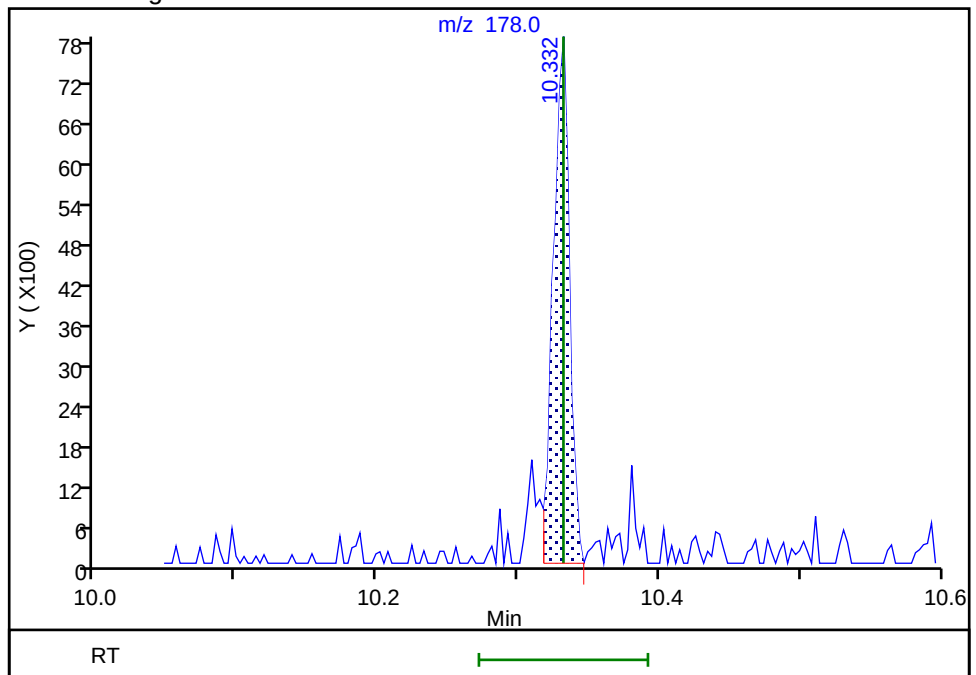
RT: 10.31
Area: 925
Amount: 0.003447
Amount Units: ng/uL

Processing Integration Results



RT: 10.33
Area: 6253
Amount: 0.023301
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 06-Dec-2021 12:54:28

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-192935-1</u>
SDG No.: _____	
Client Sample ID: <u>PRMW-2D-113021</u>	Lab Sample ID: <u>480-192935-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y02827371.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>11/30/2021 09:00</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/02/2021 14:29</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/03/2021 13:53</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>2 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>607479</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	70		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	58		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	90		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827371.D
 Lims ID: 480-192935-A-2-B
 Client ID: PRMW-2D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 13:53:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-011
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 03-Dec-2021 15:15:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.475	6.475	0.000	92	272520	4.00	
* 2 Naphthalene-d8	136	7.564	7.565	-0.001	98	933512	4.00	
* 3 Acenaphthene-d10	164	9.048	9.052	-0.004	91	580205	4.00	
* 4 Phenanthrene-d10	188	10.311	10.311	0.000	94	1049046	4.00	
* 5 Chrysene-d12	240	13.004	13.004	0.000	96	1065311	4.00	
* 6 Perylene-d12	264	15.229	15.221	0.009	98	1280365	4.00	
\$ 7 2-Fluorophenol	112	5.359	5.346	0.013	89	272630	3.73	
\$ 8 Phenol-d5	99	6.157	6.158	-0.001	0	240623	2.86	
\$ 9 Nitrobenzene-d5	82	6.943	6.947	-0.004	86	354354	4.61	
\$ 10 2-Fluorobiphenyl	172	8.452	8.453	-0.001	99	1101524	5.60	
\$ 11 2,4,6-Tribromophenol	330	9.718	9.716	0.002	88	263713	6.27	
\$ 12 p-Terphenyl-d14	244	11.696	11.694	0.002	96	1992894	7.17	
237 Lidocaine	1		0.195				ND	
13 1,4-Dioxane	88		3.476				ND	
14 N-Nitrosodimethylamine	42		3.896				ND	
15 Pyridine	52		3.936				ND	
18 1-Methylcyclopentanol	71		4.617				ND	
19 2-Picoline	93		4.767				ND	
20 N-Nitrosomethylethylamine	88		4.875				ND	
24 Acrylamide	71		5.153				ND	
22 Methyl methanesulfonate	80		5.164				ND	
21 2-Chlorobenzotrifluoride	180		5.167				ND	
23 4-Chlorobenzotrifluoride	180		5.237				ND	
25 n,n'-Dimethylacetamide	87		5.306				ND	
26 4-Chloropyridine	78	5.510	5.475	0.035	0	181	NC	
196 CBF-400	214		5.530				ND	
28 N-Nitrosodiethylamine	102		5.533				ND	
27 3-Chloropyridine	78		5.564				ND	
29 3-Chlorobenzotrifluoride	180		5.637				ND	
30 Ethyl methanesulfonate	79		5.791				ND	
31 2-Chloropyridine	78		5.922				ND	
257 CBF-500	161		5.944				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
32 2-Chlorotoluene	91		6.081				ND	
33 3-Chlorotoluene	91		6.102				ND	
35 Benzaldehyde	77		6.104				ND	
34 4-Chlorotoluene	91		6.134				ND	
37 Phenol	94		6.169				ND	
36 Aniline	93		6.195				ND	
39 Bis(2-chloroethyl)ether	93		6.226				ND	
38 Pentachloroethane	167		6.237				ND	
41 n-Decane	57	6.310	6.305	0.005	76	3497	0.0621	
40 2-Chlorophenol	128		6.308				ND	
42 p-Fluoroaniline	111		6.408				ND	
43 1,3-Dichlorobenzene	146		6.433				ND	
44 1,4-Dichlorobenzene	146		6.493				ND	
45 Benzyl alcohol	108		6.586				ND	
46 1,2-Dichlorobenzene	146		6.629				ND	
48 2-Methylphenol	108		6.674				ND	
49 2,2'-oxybis[1-chloropropane]	45		6.686				ND	
47 Indene	115		6.703				ND	
50 N-Nitrosopyrrolidine	100		6.784				ND	
53 N-Nitrosodi-n-propylamine	70		6.796				ND	
57 4-Methylphenol	108		6.802				ND	
52 Acetophenone	105		6.808				ND	
54 N-Nitrosomorpholine	56		6.813				ND	
56 2-Toluidine	106		6.841				ND	
51 N-Methylaniline	106		6.855				ND	
55 4-Methylbenzenamine	106		6.859				ND	
58 Hexachloroethane	117		6.921				ND	
59 Nitrobenzene	77		6.961				ND	
60 2,6-Dichloropyridine	112		7.071				ND	
61 N-Nitrosopiperidine	114		7.085				ND	
62 Isophorone	82		7.157				ND	
63 2-Chloroaniline	127		7.214				ND	
64 2-Nitrophenol	139		7.233				ND	
66 2,4-Dimethylphenol	107		7.247				ND	
68 o,o',o"-Triethylphosphorothioate	198		7.281				ND	
65 Benzeneacetonitrile	117		7.282				ND	
67 Tetraethyl lead	237		7.302				ND	
69 Bis(2-chloroethoxy)methane	93		7.313				ND	
70 Benzoic acid	105		7.352				ND	
282 2,4-Dichlorotoluene	125		7.383				ND	
71 alpha,alpha-Dimethyl phenethylamine	59		7.406				ND	
287 1,3,5-Trichlorobenzene	180		7.416				ND	
72 2,4-Dichlorophenol	162		7.443				ND	
73 1,2,4-Trichlorobenzene	180		7.508				ND	
75 Alpha-Terpineol	59		7.574				ND	
74 Naphthalene	128		7.585				ND	
76 4-Chloroaniline	127		7.613				ND	
77 2,6-Dichlorophenol	162		7.628				ND	
78 Hexachloropropene	213		7.655				ND	
79 Hexachlorobutadiene	225		7.676				ND	
286 4-Chlorophenol	128		7.691				ND	
80 Benzeneacetic acid (TIC)	91		7.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
81 Quinoline	129		7.860				ND	
82 N-Nitrosodi-n-butylamine	84		7.865				ND	
83 p-Phenylene diamine	108		7.899				ND	
84 Caprolactam	113		7.909				ND	
85 4-Chloro-3-methylphenol	107		8.011				ND	
86 Safrole, Total	162		8.061				ND	
87 2-Methylnaphthalene	142		8.164				ND	
88 Phthalic anhydride	104		8.213				ND	
89 1-Methylnaphthalene	142		8.249				ND	U
90 Hexachlorocyclopentadiene	237		8.294				ND	
281 2,4,5-Trichlorotoluene	159		8.296				ND	
91 1,2,4,5-Tetrachlorobenzene	216		8.306				ND	
275 Isosafrole Peak 1	162		8.308				ND	
198 NVF-400	82	8.288	8.311	-0.023	0	95	0.000407	
258 CU-600	58	8.350	8.316	0.034	0	302	0.001294	
93 2,4,6-Trichlorophenol	196		8.397				ND	
284 2,3-Dichlorobenzenamine	161		8.412				ND	
94 2,4,5-Trichlorophenol	196		8.439				ND	
277 Isosafrole Peak 2	162		8.501				ND	
95 Isosafrole	162		8.501				ND	
96 1,1'-Biphenyl	154		8.547				ND	
97 2-Chloronaphthalene	162		8.581				ND	
99 1-Chloronaphthalene	162		8.603				ND	
100 2-Nitroaniline	65		8.649				ND	
102 1,4-Naphthoquinone	158		8.717				ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730				ND	
103 Dicyclohexylamine	138		8.732				ND	
104 1,4-Dinitrobenzene	168		8.751				ND	
105 Dimethyl phthalate	163		8.771				ND	
106 1,3-Dinitrobenzene	168		8.819				ND	
107 2,6-Dinitrotoluene	165		8.836				ND	
108 Acenaphthylene	152		8.936				ND	
109 3-Nitroaniline	138		8.992				ND	
111 2,4-Dinitrophenol	184		9.080				ND	
110 Acenaphthene	153		9.080				ND	
112 4-Nitrophenol	109		9.126				ND	
114 2,4-Dinitrotoluene	165		9.183				ND	
113 Pentachlorobenzene	250		9.193				ND	
115 Dibenzofuran	168		9.222				ND	
117 2,3,5,6-Tetrachlorophenol	232		9.284				ND	
116 1-Naphthylamine	143		9.284				ND	
118 2,3,4,6-Tetrachlorophenol	232		9.322				ND	
119 2-Naphthylamine	143		9.347				ND	
121 Hexadecane	57		9.347				ND	U
120 Diethyl phthalate	149		9.356				ND	MU
122 Thionazin	97		9.426				ND	
123 4-Chlorophenyl phenyl ether	204		9.486				ND	
125 N-Nitro-o-toluidine	152		9.503				ND	
126 4-Nitroaniline	138		9.512				ND	
124 Fluorene	166		9.512				ND	
128 Tributyl phosphate	99		9.521				ND	
127 4,6-Dinitro-2-methylphenol	198		9.534				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169		9.583				ND	
129 Diphenylamine	169		9.583				ND	
131 1,2-Diphenylhydrazine	77		9.620				ND	
132 Azobenzene	77		9.620				ND	
134 Sulfotepp	322		9.673				ND	
135 1,3,5-Trinitrobenzene	213		9.786				ND	
136 Diallate	86		9.806				ND	
278 Diallate Peak 1	86		9.806				ND	
137 Phorate	75		9.815				ND	
138 Phenacetin	108		9.815				ND	
280 Diallate Peak 2	86		9.889				ND	
139 4-Bromophenyl phenyl ether	248		9.901				ND	
141 Dimethoate	87		9.968				ND	
140 Hexachlorobenzene	284		9.988				ND	
142 Simazine	201		9.992				ND	
143 Atrazine	200		10.003				ND	
148 n-Octadecane	57		10.119				ND	
144 4-Aminobiphenyl	169		10.121				ND	
147 Pronamide	173		10.138				ND	
145 Pentachlorophenol	266		10.147				ND	
146 Pentachloronitrobenzene	237		10.153				ND	
149 Disulfoton	88		10.252				ND	
150 Dinoseb	211		10.263				ND	
151 Phenanthrene	178		10.332				ND	
152 Anthracene	178		10.377				ND	
153 Carbazole	167		10.496				ND	
155 Methyl parathion	109		10.578				ND	
154 Alachlor	160		10.591				ND	
157 Di-n-butyl phthalate	149	10.717	10.721	-0.004	98	9201	0.0311	
288 2-Methylantracene	192	10.907	10.885	0.022	1	190	NC	
158 Ethyl Parathion	97		10.893				ND	
159 4-Nitroquinoline-1-oxide	190		10.973				ND	
161 Methapyrilene	58		10.995				ND	
160 Anthraquinone	180		11.019				ND	
162 Isodrin	193		11.225				ND	
164 Fluoranthene	202		11.368				ND	
165 1-Hydroxyanthraquinone	224		11.414				ND	U
166 Benzidine	184		11.456				ND	
167 Pyrene	202		11.600				ND	
276 Aramite Peak 1	185		11.620				ND	U
168 Aramite, Total	185		11.696				ND	
279 Aramite Peak 2	185		11.696				ND	U
241 5-Methyl-o-Anisidine	122		11.753				ND	U
170 p-Dimethylamino azobenzene	120		11.835				ND	
171 Chlorobenzilate	251		11.864				ND	
169 1,4-Dihydroxyanthraquinone	240		11.888				ND	
172 Famphur	218		12.157				ND	
174 Butyl benzyl phthalate	149	12.181	12.182	-0.001	91	26588	0.1978	
175 9-Octadecenamide	59		12.188				ND	
173 3,3'-Dimethylbenzidine	212		12.210				ND	
176 Kepone	272		12.356				ND	
177 2-Acetylaminofluorene	181		12.528				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.876	12.877	-0.001	92	12393	0.0647	
178 4,4'-Methylene bis(2-chloroaniline)	231		12.897				ND	
179 3,3'-Dichlorobenzidine	252		12.914				ND	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
183 6-Methylchrysene	242		13.685				ND	U
184 Di-n-octyl phthalate	149		13.822				ND	
185 7,12-Dimethylbenz(a)anthracene	256		14.568				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
192 Hexachlorophene	196		14.981				ND	
189 Benzo[a]pyrene	252		15.139				ND	
283 Benzo[e]pyrene	252		15.335				ND	
190 3-Methylcholanthrene	268		15.677				ND	
191 Dibenz[a,h]acridine	279		16.594				ND	U
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	
199 CAG-800	149		19.675				ND	
256 CN-500	112		19.994				ND	
197 Dibenzo[a,e]pyrene	302		22.440				ND	
295 4-Bromofluorobenzene TIC	1		0.000				ND	
303 Carbofuran	1		0.000				ND	
291 1,4-Dibromobenzene TIC	1		0.000				ND	
302 1-Bromo-2-chloroethane TIC	1		0.000				ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000				ND	
290 1,3-Dibromobenzene TIC	1		0.000				ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000				ND	
292 Ethylene Dibromide TIC	1		0.000				ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000				ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000				ND	
298 2-Bromopyridine TIC	1		0.000				ND	
294 3'-Bromoacetophenone TIC	1		0.000				ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000				ND	
297 Fluorobenzene TIC	1		0.000				ND	
244 Pendimethalin	1		0.195				ND	
210 Dibenzo[a,h]pyrene	1		0.195				ND	
240 Prometryn (TIC)	1		0.195				ND	
204 2,6-Dichlorotoluene TIC	1		0.195				ND	
220 Tetramethyl lead TIC	1		0.195				ND	
219 Photomirex TIC	1		0.195				ND	
212 Hexamethyldisiloxane TIC	1		0.195				ND	
211 Pendimethalin (TIC)	1		0.195				ND	
206 2,4-Toluene diamine	1		0.195				ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195				ND	
227 Dibenz[a,j]acridine	279		0.195				ND	
238 Phenylacetic Acid	1		0.195				ND	
247 Benefin (TIC)	1		0.195				ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195				ND	
205 Phenylmercaptan	110		0.195				ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195				ND	
215 trans Azobenzene (TIC)	1		0.195				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
201 7H-Dibenzo[c,g]carbazole	1		0.195				ND	
230 2,3-Dichlorophenol	1		0.195				ND	
224 1-Bromopropane	1		0.195				ND	
225 Dibenz(a,i)pyrene	1		0.195				ND	
254 4,4'-DDD	235		11.986				ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195				ND	
S 261 Total Cresols	1		0.195				ND	
S 260 Chlorotoluene N.O.S	1		0.195				ND	
S 263 3-Methylphenol	1		0.195				ND	
S 262 3 & 4 Methylphenol	108		0.195				ND	
S 264 EPH Adjustment 1	1		0.195				ND	
T 243 2,4-Xylidine TIC	121		0.195				ND	
T 226 Tris(2,3-dibromopropyl)phosphate	201		0.195				ND	
T 242 1,3-phenylenediamine TIC	108		0.195				ND	
T 231 1-Methylnaphthalene (TIC)	142	8.245	8.254	-0.009	1	838	0.003591	
T 305 5-Methyl-o-Anisidine TIC	122	8.450	8.501	-0.051	23	3456	0.0148	
T 306 o-Anisidine TIC	80	8.452	8.504	-0.052	24	2451	0.0105	
T 304 2-Ethoxyethanol TIC	59	11.875	8.543	3.332	58	5149	0.0221	
T 156 2,3,7,8-TCDD	322	12.666	12.718	-0.052	1	45	0.000310	
T 274 2-Aminopyridine TIC	99	14.346	13.164	1.182	1	1103	0.0162	
T 213 4,4'-Methylene bis(2-chloroaniline)	281	15.581	15.440	0.141	1	240	0.001028	
T 289 2,3,7,8-TCDD TIC	322		0.000				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827371.D

Injection Date: 03-Dec-2021 13:53:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-2-B

Lab Sample ID: 480-192935-2

Worklist Smp#: 11

Client ID: PRMW-2D-113021

Injection Vol: 2.0 ul

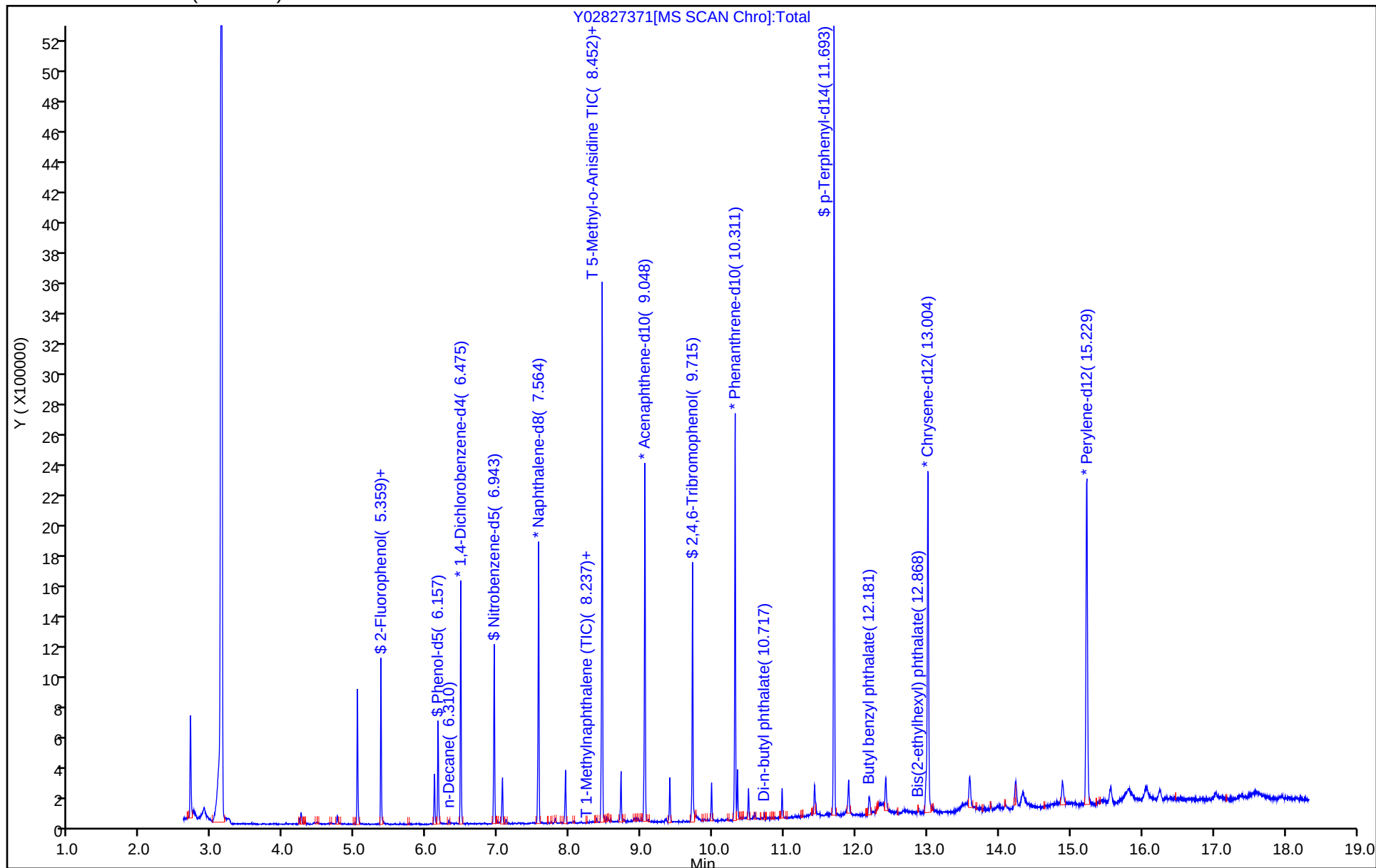
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-192935-1</u>
SDG No.: _____	
Client Sample ID: <u>PRMW-2S-113021</u>	Lab Sample ID: <u>480-192935-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y02827373.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>11/30/2021 10:10</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/02/2021 14:29</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/03/2021 14:48</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>2 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>607479</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	93		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	74		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827373.D
 Lims ID: 480-192935-A-3-A
 Client ID: PRMW-2S-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 14:48:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-013
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 12:58:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	92	256236	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	98	920147	4.00	
* 3 Acenaphthene-d10	164	9.050	9.052	-0.002	91	569674	4.00	
* 4 Phenanthrene-d10	188	10.310	10.311	-0.001	94	1003231	4.00	
* 5 Chrysene-d12	240	13.006	13.004	0.002	96	1016681	4.00	
* 6 Perylene-d12	264	15.225	15.221	0.005	99	1206437	4.00	
\$ 9 Nitrobenzene-d5	82	6.944	6.947	-0.003	86	447275	5.90	
\$ 10 2-Fluorobiphenyl	172	8.454	8.453	0.001	98	1436729	7.44	
\$ 12 p-Terphenyl-d14	244	11.695	11.694	0.001	96	2089115	7.87	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178		10.332				ND	
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202	11.601	11.600	0.001	64	611	0.001989	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:23

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827373.D

Injection Date: 03-Dec-2021 14:48:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-3-A

Lab Sample ID: 480-192935-3

Worklist Smp#: 13

Client ID: PRMW-2S-113021

Injection Vol: 2.0 ul

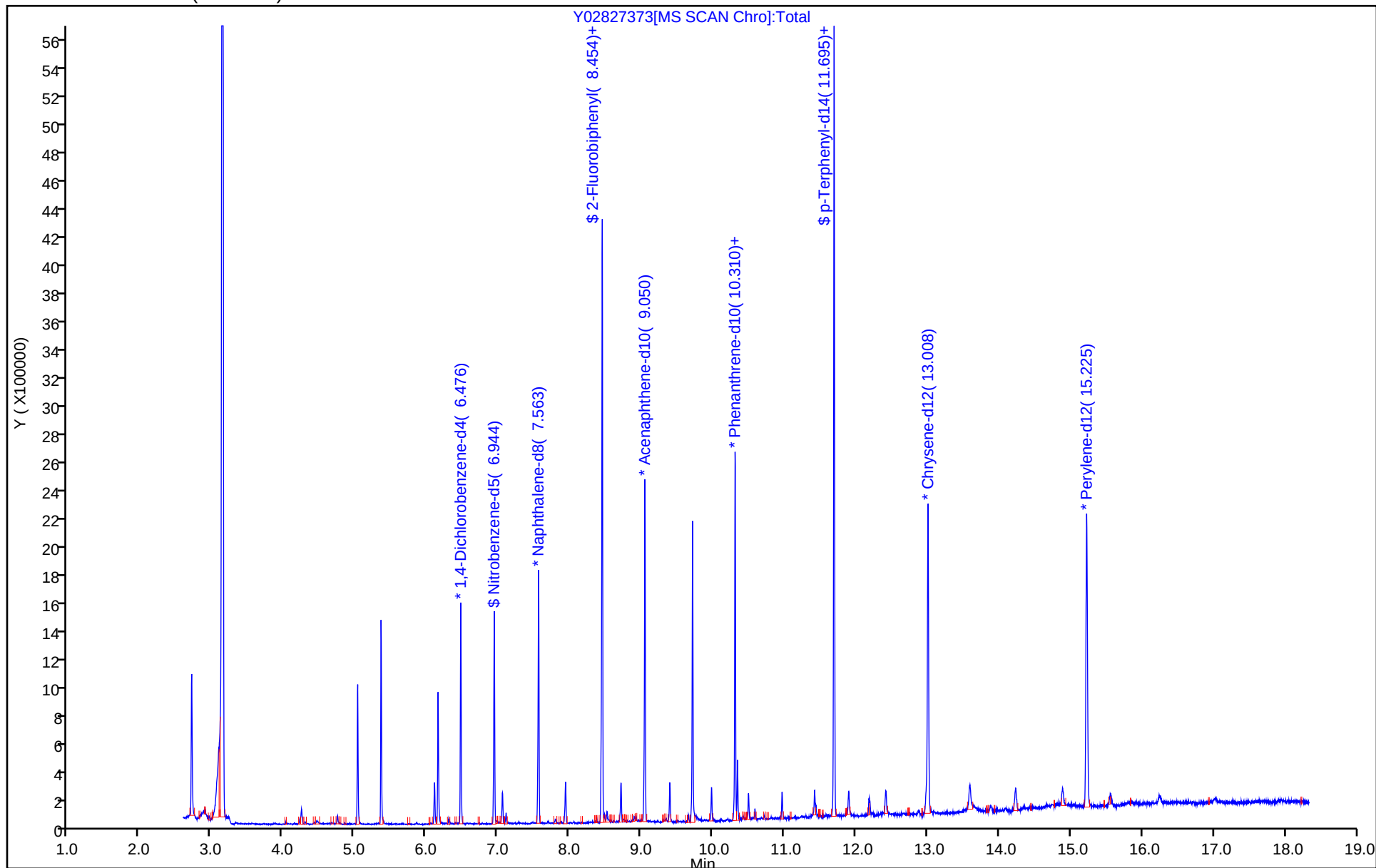
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-3D-113021 Lab Sample ID: 480-192935-4
 Matrix: Water Lab File ID: Y02827374.D
 Analysis Method: 8270D Date Collected: 11/30/2021 11:35
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 15:15
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	89		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	75		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	84		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827374.D
 Lims ID: 480-192935-B-4-A
 Client ID: PRMW-3D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 15:15:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-014
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 03-Dec-2021 15:39:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.478	6.475	0.003	93	265800	4.00	
* 2 Naphthalene-d8	136	7.565	7.565	0.000	98	929311	4.00	
* 3 Acenaphthene-d10	164	9.049	9.052	-0.003	92	580508	4.00	
* 4 Phenanthrene-d10	188	10.312	10.311	0.001	94	1067336	4.00	
* 5 Chrysene-d12	240	13.007	13.004	0.003	99	1057117	4.00	
* 6 Perylene-d12	264	15.226	15.221	0.006	97	1256214	4.00	a
\$ 9 Nitrobenzene-d5	82	6.943	6.947	-0.004	87	457125	5.97	
\$ 10 2-Fluorobiphenyl	172	8.453	8.453	0.000	98	1393549	7.08	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	1856752	6.73	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178		10.332				ND	U
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202		11.600				ND	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:24

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827374.D

Injection Date: 03-Dec-2021 15:15:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-B-4-A

Lab Sample ID: 480-192935-4

Worklist Smp#: 14

Client ID: PRMW-3D-113021

Injection Vol: 2.0 ul

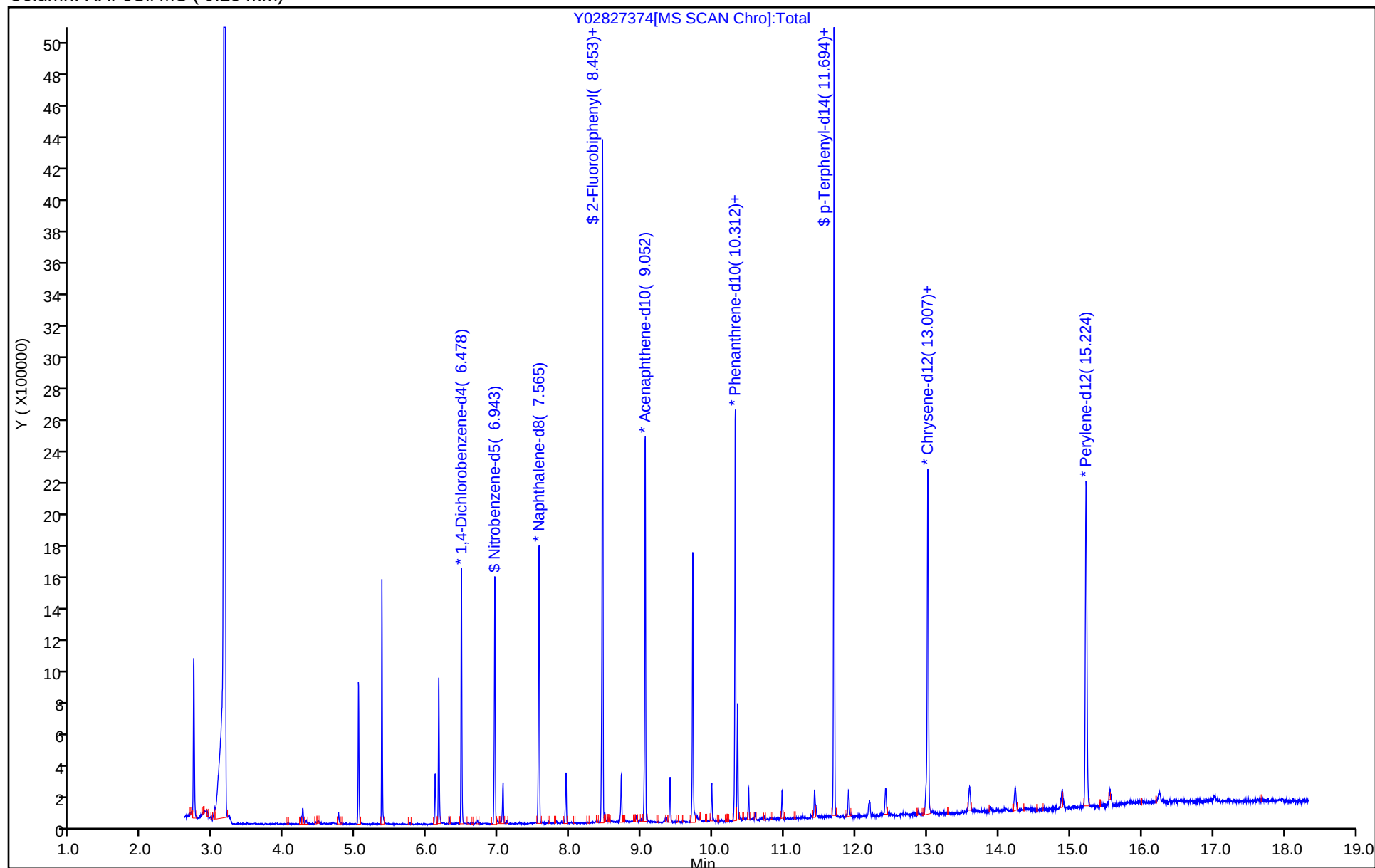
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827374.D

Injection Date: 03-Dec-2021 15:15:30

Instrument ID: HP5973Y

Lims ID: 480-192935-B-4-A

Lab Sample ID: 480-192935-4

Client ID: PRMW-3D-113021

Operator ID: JM

ALS Bottle#:

14

Worklist Smp#: 14

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

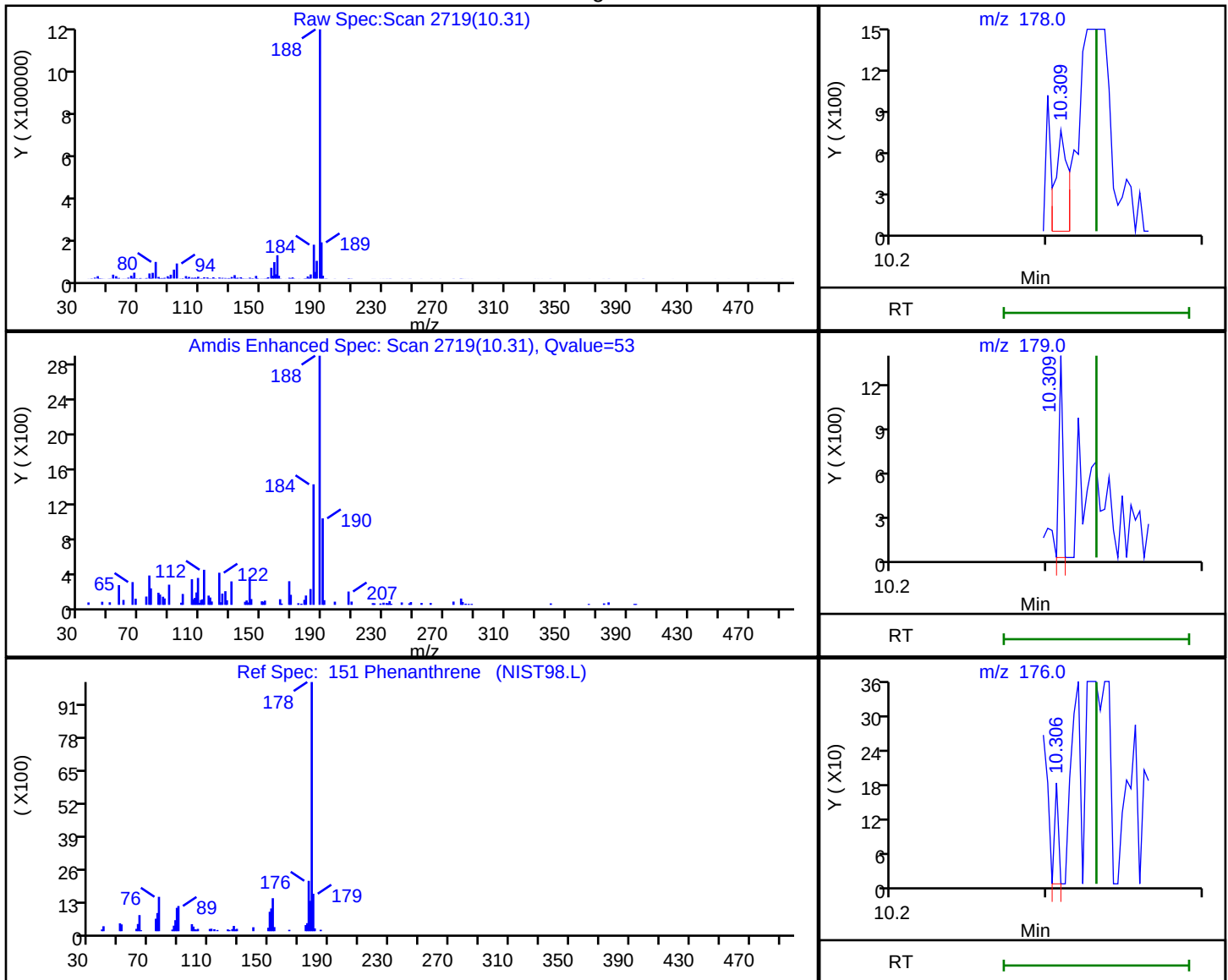
Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

151 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
10.31	178.00	414	0.001491
10.31	179.00	236	
10.31	176.00	30	

Reviewer: marshallj, 06-Dec-2021 12:58:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827374.D

Injection Date: 03-Dec-2021 15:15:30

Instrument ID: HP5973Y

Lims ID: 480-192935-B-4-A

Lab Sample ID: 480-192935-4

Client ID: PRMW-3D-113021

Operator ID: JM

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

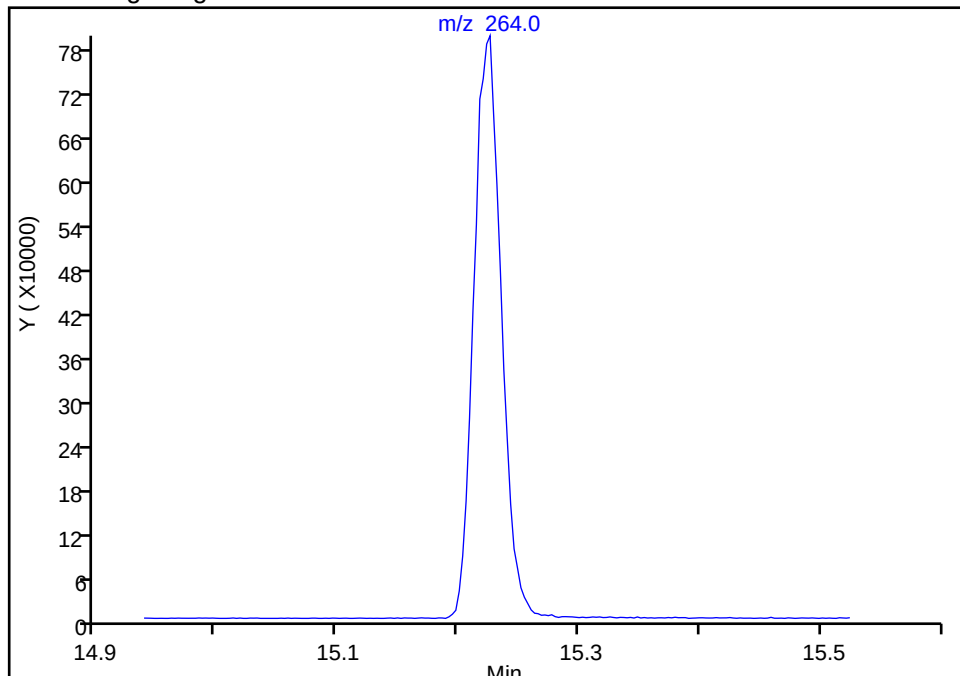
* 6 Perylene-d12, CAS: 1520-96-3

Signal: 1

Not Detected

Expected RT: 15.22

Processing Integration Results



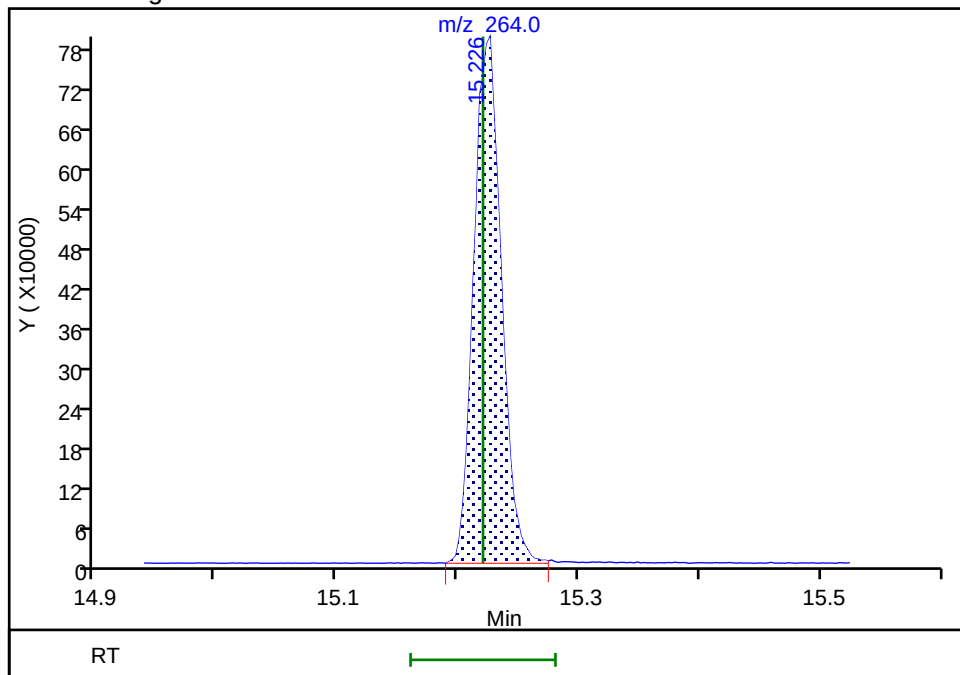
RT: 15.23

Area: 1256214

Amount: 4.000000

Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Dec-2021 15:39:47

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-3S-113021 Lab Sample ID: 480-192935-5
 Matrix: Water Lab File ID: Y02827375.D
 Analysis Method: 8270D Date Collected: 11/30/2021 12:15
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 15:43
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	105		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	89		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	102		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827375.D
 Lims ID: 480-192935-A-5-A
 Client ID: PRMW-3S-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 15:43:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-015
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 13:01:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	92	259581	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	98	922729	4.00	
* 3 Acenaphthene-d10	164	9.050	9.052	-0.002	90	572898	4.00	
* 4 Phenanthrene-d10	188	10.309	10.311	-0.002	94	1050829	4.00	
* 5 Chrysene-d12	240	13.008	13.004	0.004	96	1059963	4.00	
* 6 Perylene-d12	264	15.221	15.221	0.001	99	1213998	4.00	
\$ 9 Nitrobenzene-d5	82	6.944	6.947	-0.003	86	539642	7.10	
\$ 10 2-Fluorobiphenyl	172	8.454	8.453	0.001	98	1627873	8.38	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	2265700	8.19	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178	10.332	10.332	0.000	94	6689	0.0245	
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202	11.601	11.600	0.001	68	2355	0.007352	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:25

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827375.D

Injection Date: 03-Dec-2021 15:43:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-5-A

Lab Sample ID: 480-192935-5

Worklist Smp#: 15

Client ID: PRMW-3S-113021

Injection Vol: 2.0 ul

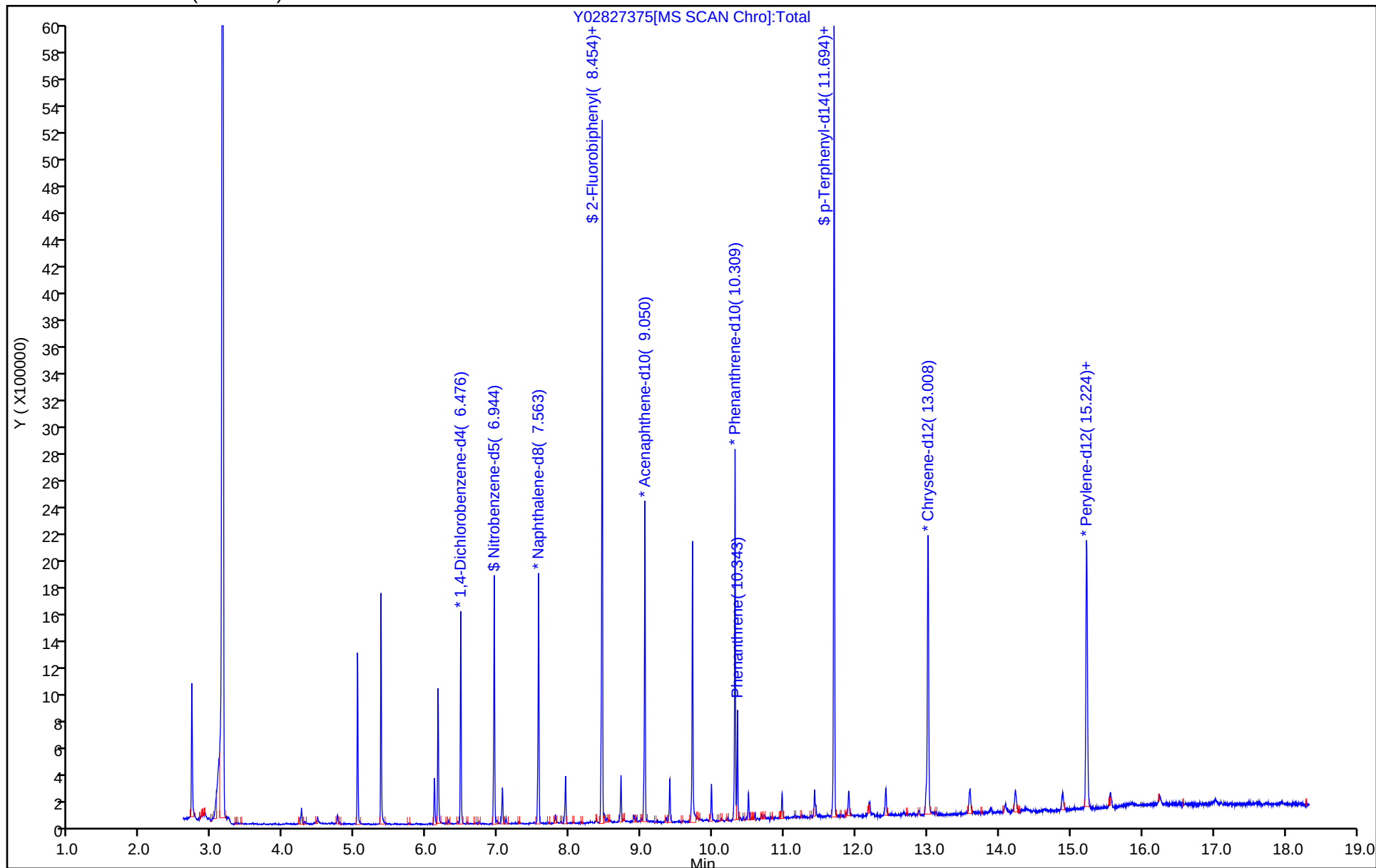
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-4S-112921 Lab Sample ID: 480-192935-6
 Matrix: Water Lab File ID: Y02827376.D
 Analysis Method: 8270D Date Collected: 11/29/2021 14:55
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 16:10
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	112		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	89		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	106		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827376.D
 Lims ID: 480-192935-A-6-A
 Client ID: PRMW-4S-112921
 Sample Type: Client
 Inject. Date: 03-Dec-2021 16:10:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-016
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 03-Dec-2021 16:32:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	93	260843	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	98	961098	4.00	
* 3 Acenaphthene-d10	164	9.050	9.052	-0.002	91	573109	4.00	
* 4 Phenanthrene-d10	188	10.310	10.311	-0.001	94	1039632	4.00	
* 5 Chrysene-d12	240	13.008	13.004	0.004	99	1063645	4.00	
* 6 Perylene-d12	264	15.224	15.221	0.004	98	1256002	4.00	
\$ 9 Nitrobenzene-d5	82	6.944	6.947	-0.003	87	565207	7.14	
\$ 10 2-Fluorobiphenyl	172	8.454	8.453	0.001	98	1741220	8.96	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	2361794	8.51	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178	10.329	10.332	-0.003	89	6734	0.0249	
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202		11.600				ND	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:26

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827376.D

Injection Date: 03-Dec-2021 16:10:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-6-A

Lab Sample ID: 480-192935-6

Worklist Smp#: 16

Client ID: PRMW-4S-112921

Injection Vol: 2.0 ul

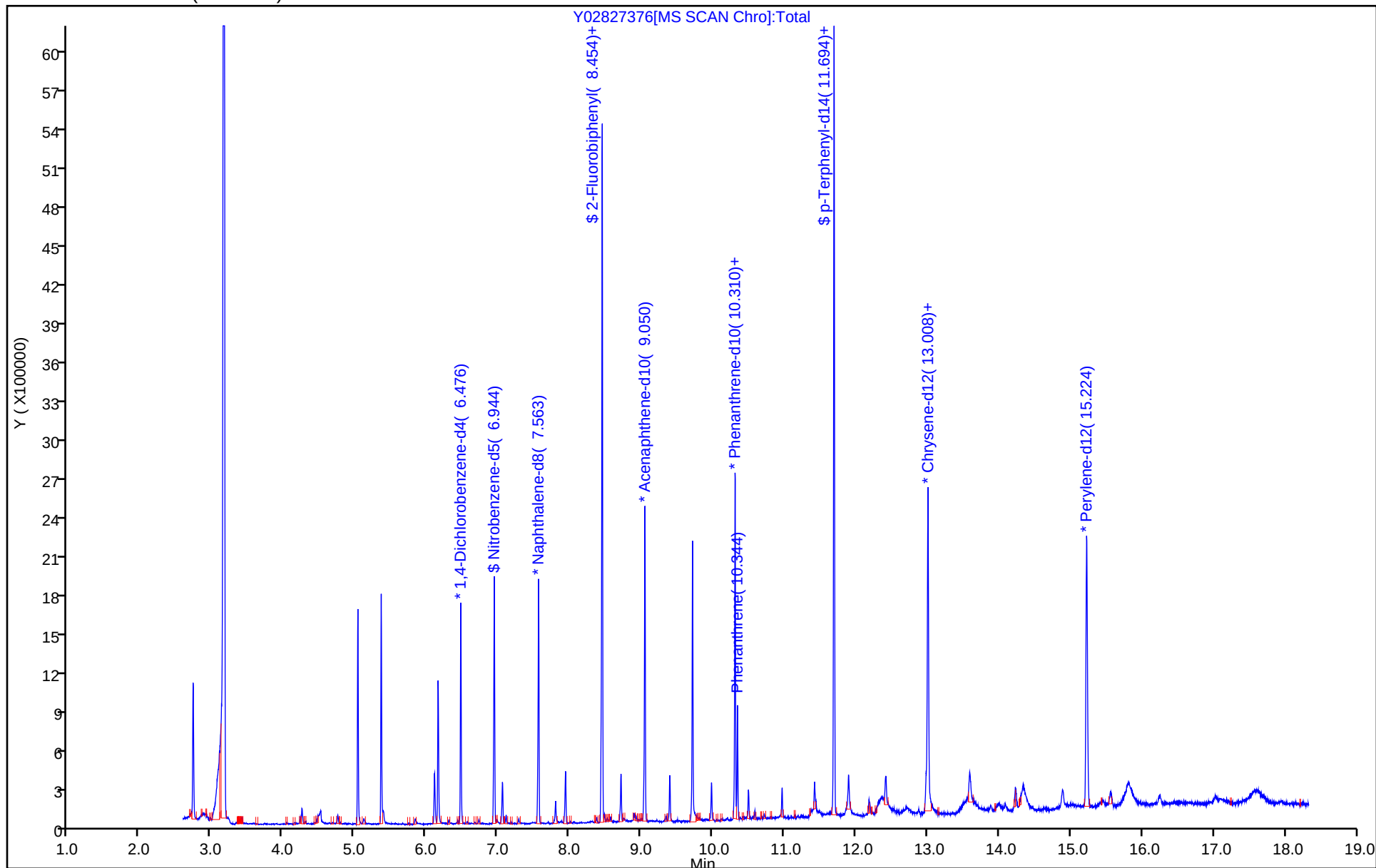
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: DUP-112921 Lab Sample ID: 480-192935-7
 Matrix: Water Lab File ID: Y02827377.D
 Analysis Method: 8270D Date Collected: 11/29/2021 14:55
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 16:37
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	105		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	80		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827377.D
 Lims ID: 480-192935-A-7-A
 Client ID: DUP-112921
 Sample Type: Client
 Inject. Date: 03-Dec-2021 16:37:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-017
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 13:05:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.475	6.475	0.000	93	265130	4.00	
* 2 Naphthalene-d8	136	7.565	7.565	0.000	98	943136	4.00	
* 3 Acenaphthene-d10	164	9.049	9.052	-0.003	91	574034	4.00	
* 4 Phenanthrene-d10	188	10.311	10.311	0.000	94	1023699	4.00	
* 5 Chrysene-d12	240	13.007	13.004	0.003	98	1051067	4.00	
* 6 Perylene-d12	264	15.226	15.221	0.006	98	1231233	4.00	
\$ 9 Nitrobenzene-d5	82	6.946	6.947	-0.001	86	497686	6.41	
\$ 10 2-Fluorobiphenyl	172	8.453	8.453	0.000	99	1637848	8.42	
\$ 12 p-Terphenyl-d14	244	11.693	11.694	-0.001	96	2149776	7.84	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178		10.332				ND	
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202		11.600				ND	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827377.D

Injection Date: 03-Dec-2021 16:37:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-7-A

Lab Sample ID: 480-192935-7

Worklist Smp#: 17

Client ID: DUP-112921

Injection Vol: 2.0 ul

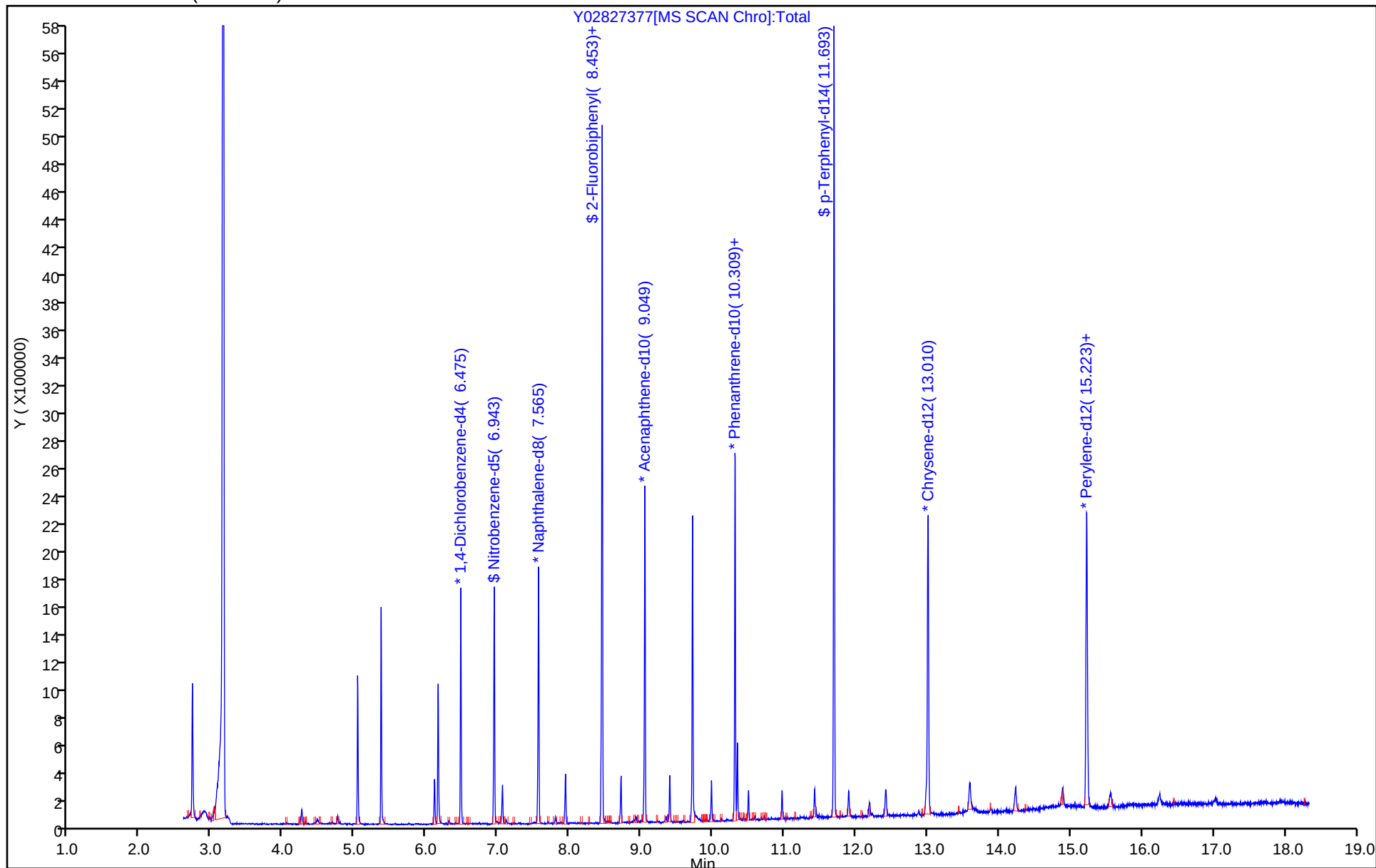
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-5D-113021 Lab Sample ID: 480-192935-8
 Matrix: Water Lab File ID: Y02827378.D
 Analysis Method: 8270D Date Collected: 11/30/2021 10:30
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 17:04
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	109		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	92		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	107		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827378.D
 Lims ID: 480-192935-B-8-A
 Client ID: PRMW-5D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 17:04:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-018
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 13:06:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	93	260918	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	98	944378	4.00	
* 3 Acenaphthene-d10	164	9.047	9.052	-0.005	90	593084	4.00	
* 4 Phenanthrene-d10	188	10.310	10.311	-0.001	94	1083692	4.00	
* 5 Chrysene-d12	240	13.009	13.004	0.005	96	1068666	4.00	
* 6 Perylene-d12	264	15.225	15.221	0.005	99	1286700	4.00	
\$ 9 Nitrobenzene-d5	82	6.945	6.947	-0.002	86	569840	7.33	
\$ 10 2-Fluorobiphenyl	172	8.454	8.453	0.001	98	1745396	8.68	
\$ 12 p-Terphenyl-d14	244	11.695	11.694	0.001	96	2395229	8.59	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178		10.332				ND	U
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202		11.600				ND	
180 Benzo[a]anthracene	228		12.993				ND	U
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenzo(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:28

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827378.D

Injection Date: 03-Dec-2021 17:04:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-B-8-A

Lab Sample ID: 480-192935-8

Worklist Smp#: 18

Client ID: PRMW-5D-113021

Injection Vol: 2.0 ul

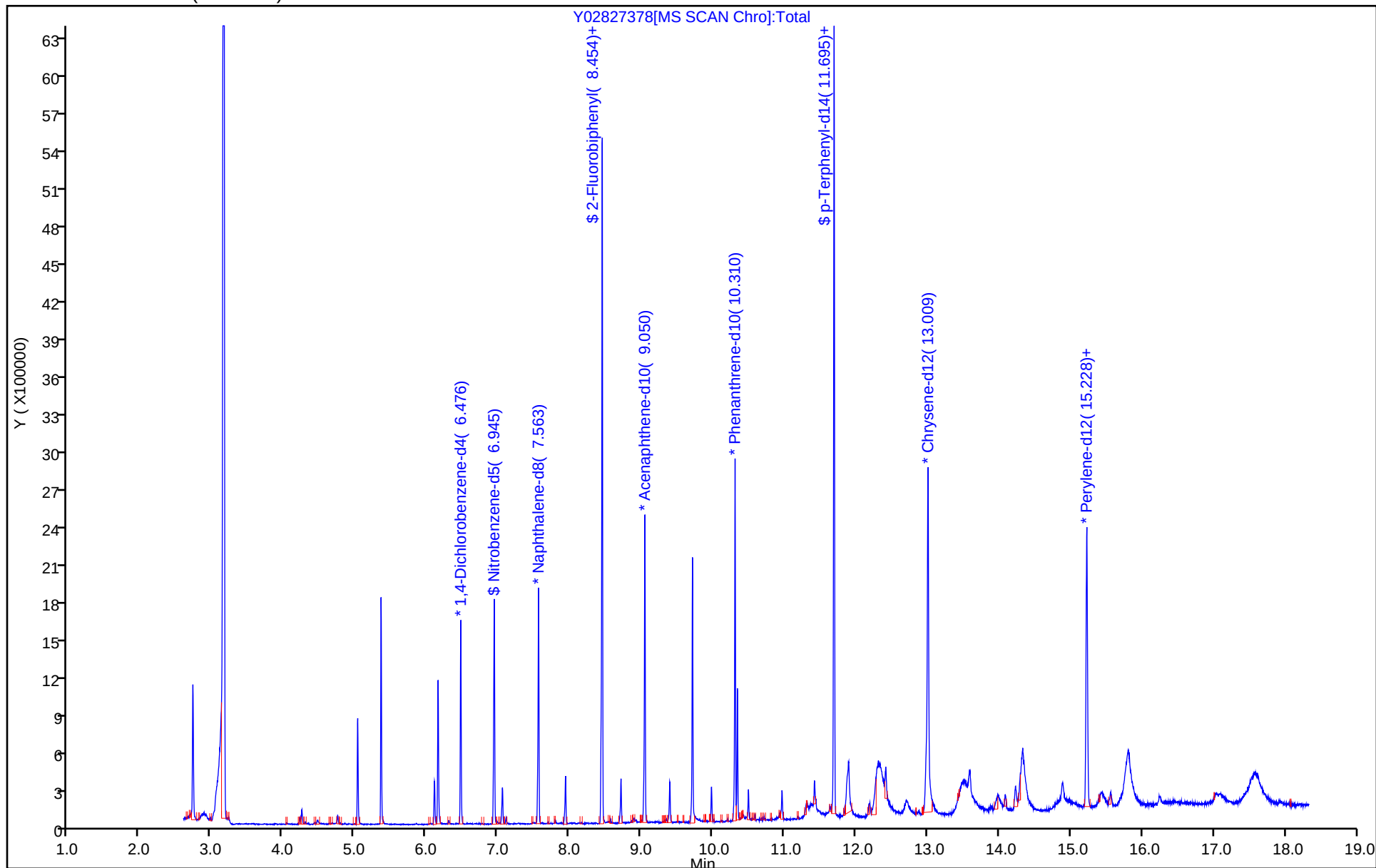
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827378.D

Injection Date: 03-Dec-2021 17:04:30

Instrument ID: HP5973Y

Lims ID: 480-192935-B-8-A

Lab Sample ID: 480-192935-8

Client ID: PRMW-5D-113021

Operator ID: JM

ALS Bottle#: 18 Worklist Smp#: 18

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

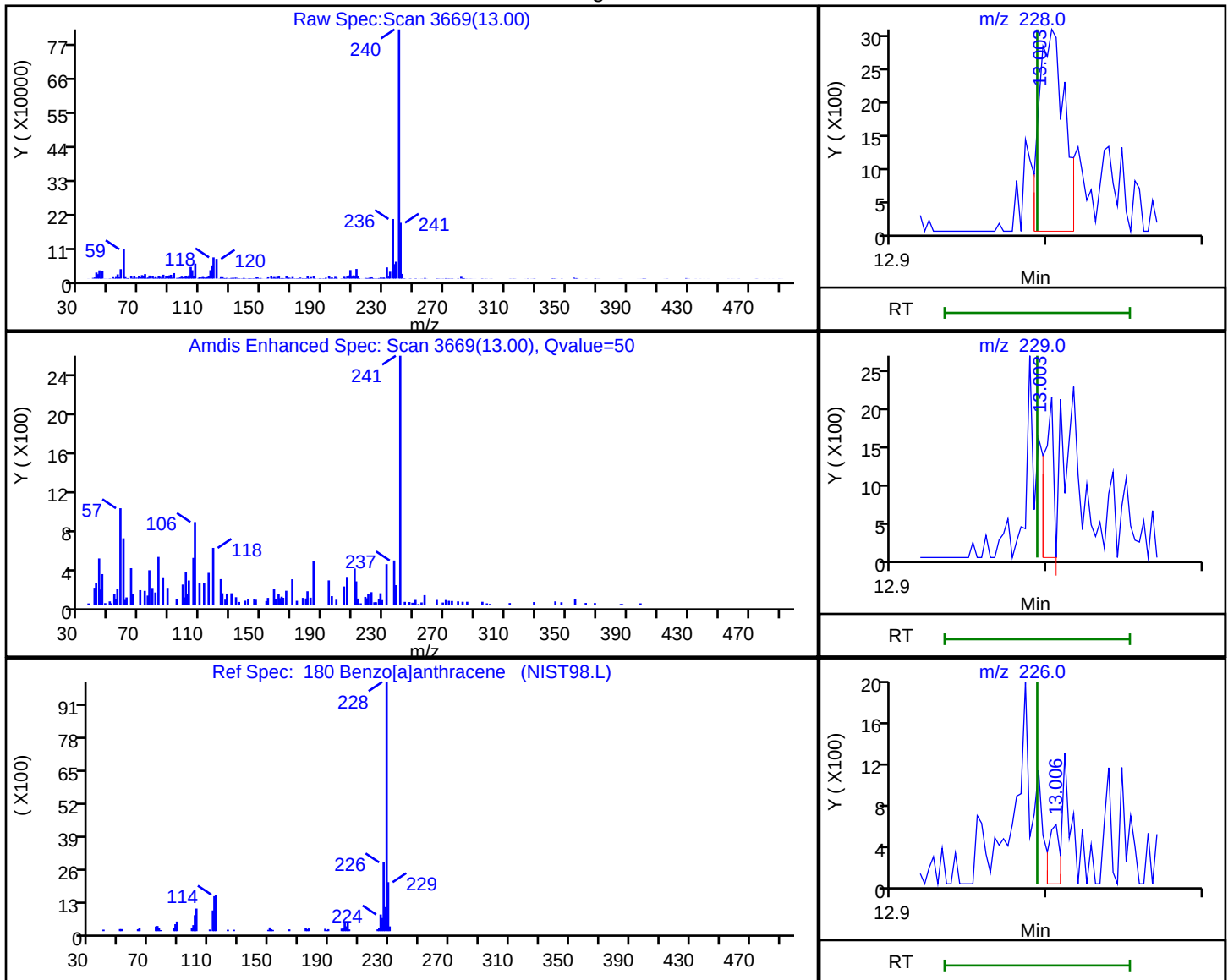
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

180 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
13.00	228.00	3435	0.010626
13.00	229.00	831	
13.01	226.00	290	

Reviewer: marshallj, 06-Dec-2021 13:05:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827378.D

Injection Date: 03-Dec-2021 17:04:30

Instrument ID: HP5973Y

Lims ID: 480-192935-B-8-A

Lab Sample ID: 480-192935-8

Client ID: PRMW-5D-113021

Operator ID: JM

ALS Bottle#: 18 Worklist Smp#: 18

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

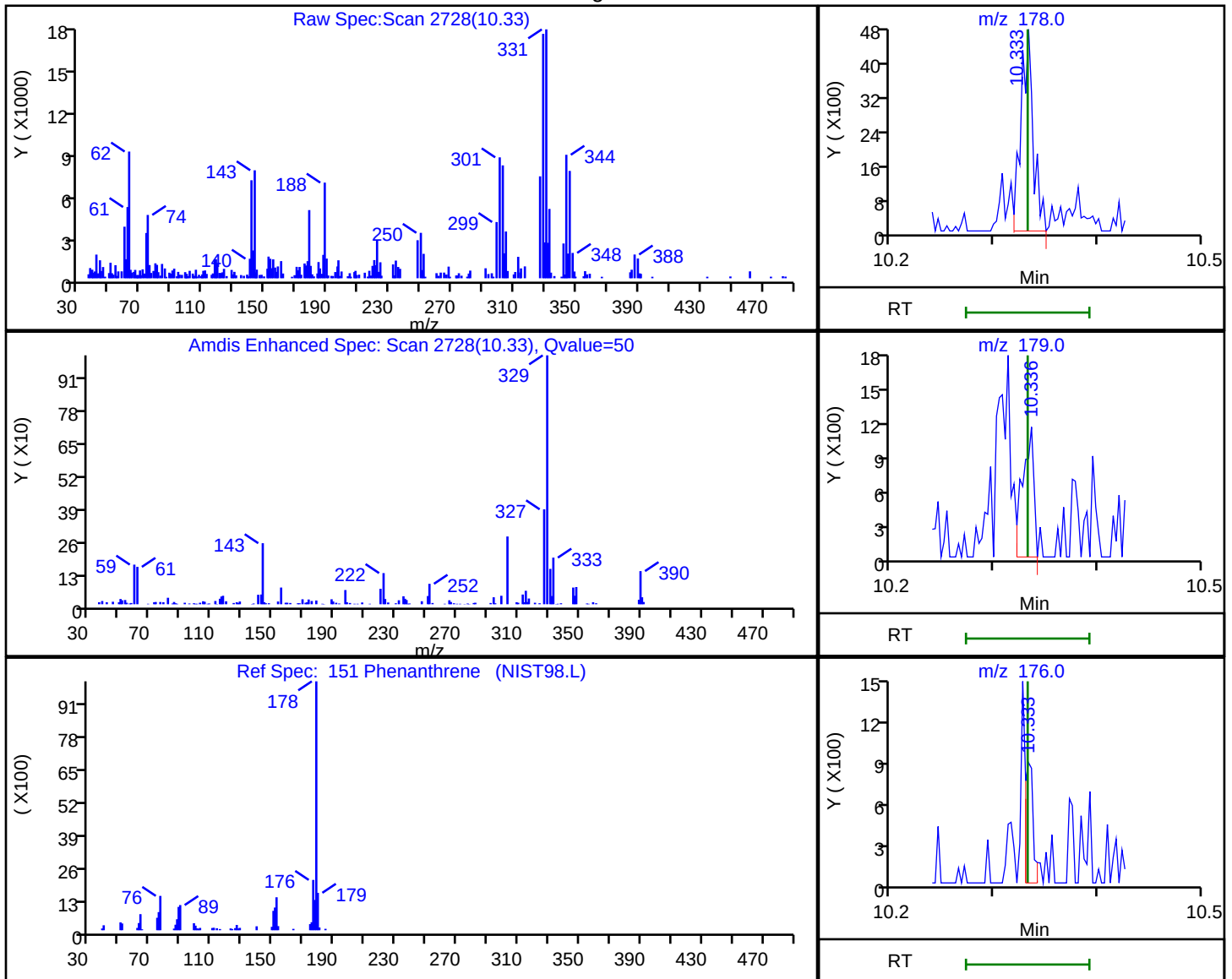
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

151 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
10.33	178.00	3919	0.013899
10.34	179.00	851	
10.33	176.00	478	

Reviewer: marshallj, 06-Dec-2021 13:05:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-192935-1</u>
SDG No.: _____	
Client Sample ID: <u>PRMW-5S-113021</u>	Lab Sample ID: <u>480-192935-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y02827379.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>11/30/2021 11:25</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/02/2021 14:29</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/03/2021 17:32</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>2 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>607479</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	15		5.0	0.41
208-96-8	Acenaphthylene	3.4	J	5.0	0.38
120-12-7	Anthracene	0.52	J	5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	2.1	J	5.0	0.40
86-73-7	Fluorene	5.5		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	44		5.0	0.76
85-01-8	Phenanthrene	5.7		5.0	0.44
129-00-0	Pyrene	1.3	J	5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	91		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	74		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	90		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D
 Lims ID: 480-192935-A-9-A
 Client ID: PRMW-5S-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 17:32:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-019
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 13:08:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	93	273670	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	99	928188	4.00	
* 3 Acenaphthene-d10	164	9.050	9.052	-0.002	89	592183	4.00	
* 4 Phenanthrene-d10	188	10.310	10.311	-0.001	94	1061606	4.00	
* 5 Chrysene-d12	240	13.008	13.004	0.004	96	1087713	4.00	
* 6 Perylene-d12	264	15.224	15.221	0.004	99	1304216	4.00	
\$ 9 Nitrobenzene-d5	82	6.944	6.947	-0.003	86	454398	5.94	
\$ 10 2-Fluorobiphenyl	172	8.454	8.453	0.001	99	1458815	7.27	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	2052409	7.23	
74 Naphthalene	128	7.583	7.585	-0.002	97	2540711	10.9	
108 Acenaphthylene	152	8.933	8.936	-0.003	97	218683	0.8404	
110 Acenaphthene	153	9.078	9.080	-0.002	93	655129	3.78	
124 Fluorene	166	9.509	9.512	-0.003	93	254858	1.37	
151 Phenanthrene	178	10.332	10.332	0.000	96	392642	1.42	
152 Anthracene	178	10.372	10.377	-0.005	92	35657	0.1304	
164 Fluoranthene	202	11.368	11.368	0.000	96	160099	0.5215	
167 Pyrene	202	11.598	11.600	-0.002	98	105658	0.3214	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:29

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Worklist Smp#: 19

Client ID: PRMW-5S-113021

Injection Vol: 2.0 ul

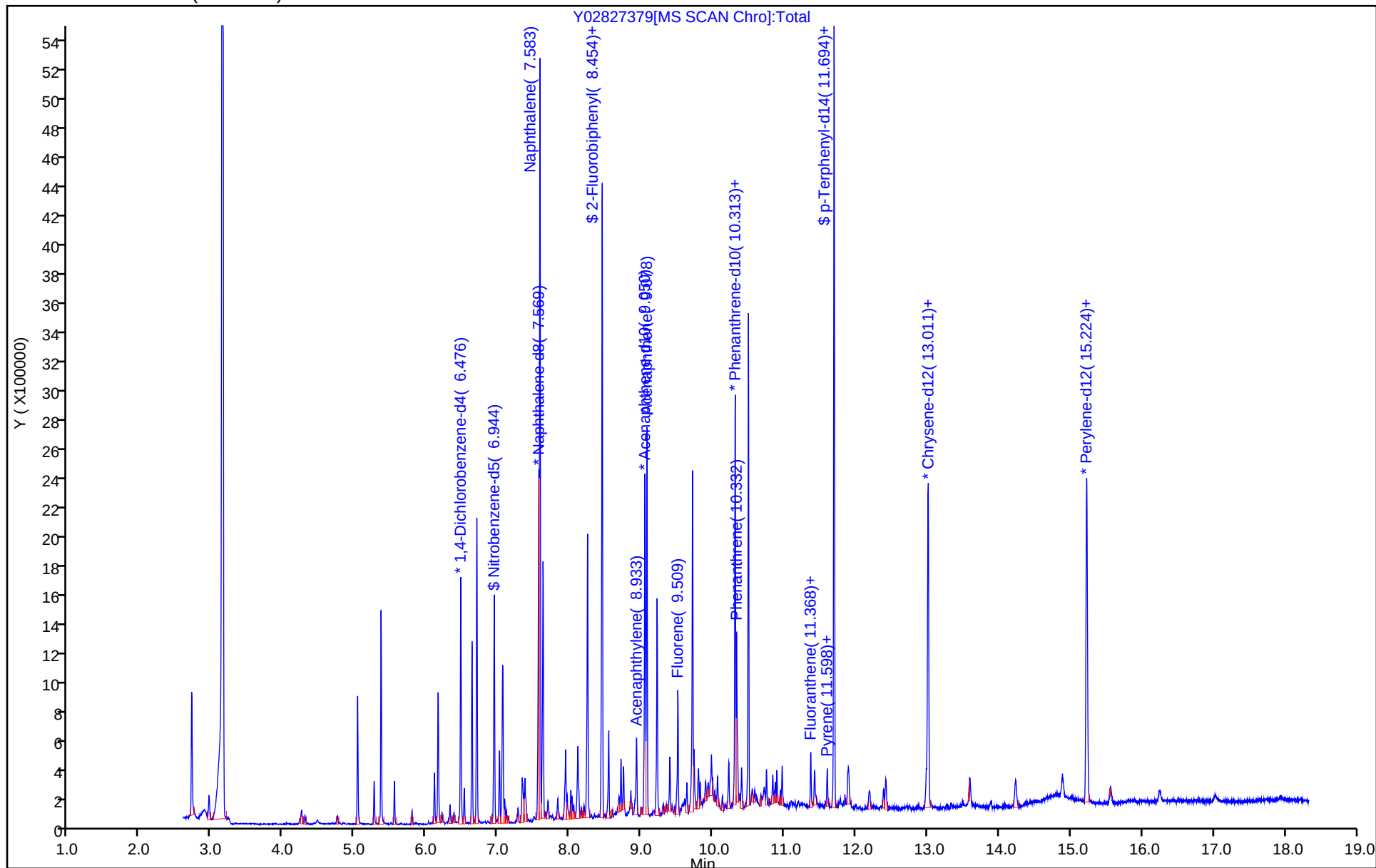
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: JM

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 2.0 ul

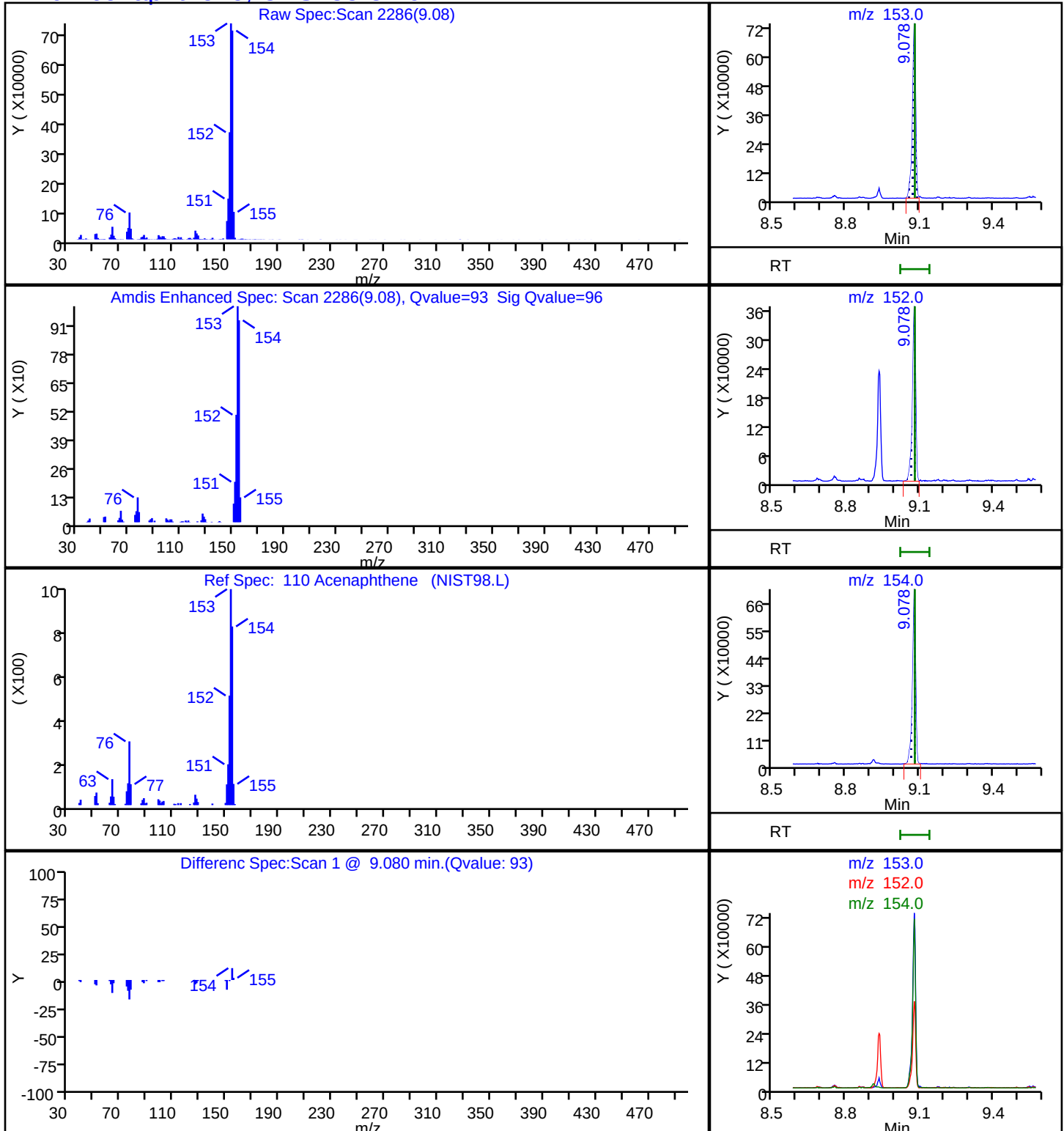
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Acenaphthene, CAS: 83-32-9

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: JM

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 2.0 ul

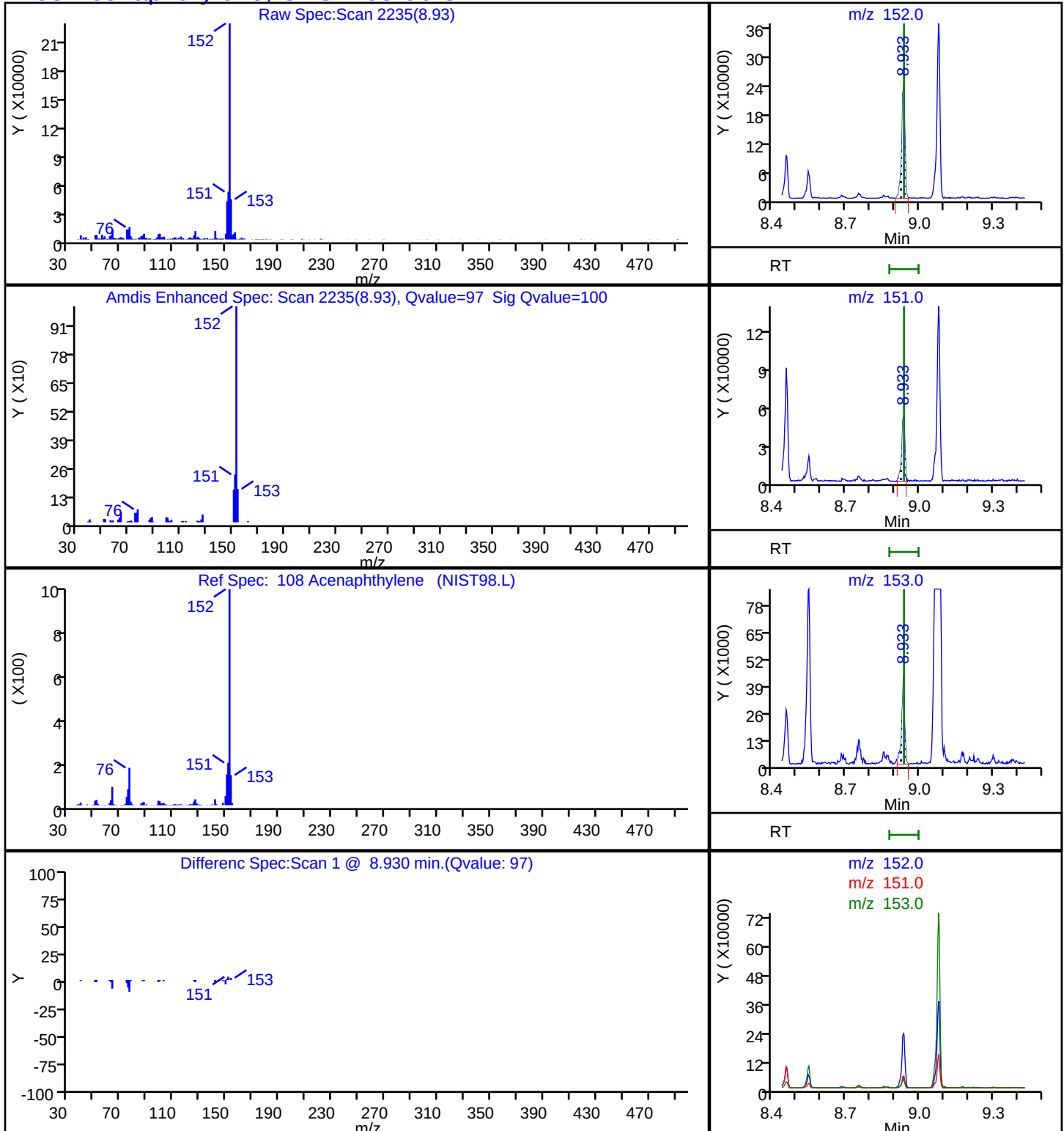
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Acenaphthylene, CAS: 208-96-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: JM

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 2.0 ul

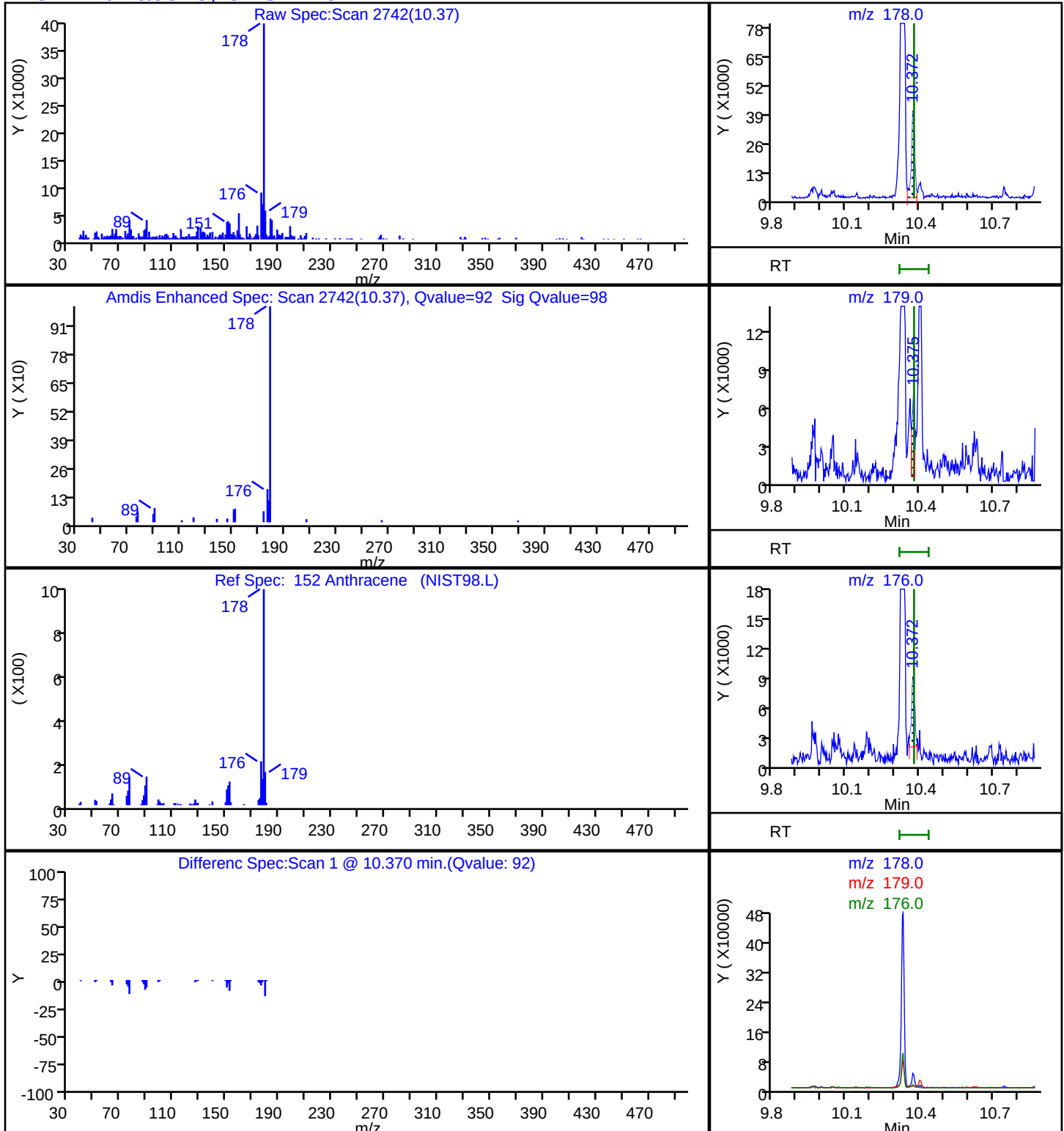
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

152 Anthracene, CAS: 120-12-7

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: JM

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 2.0 ul

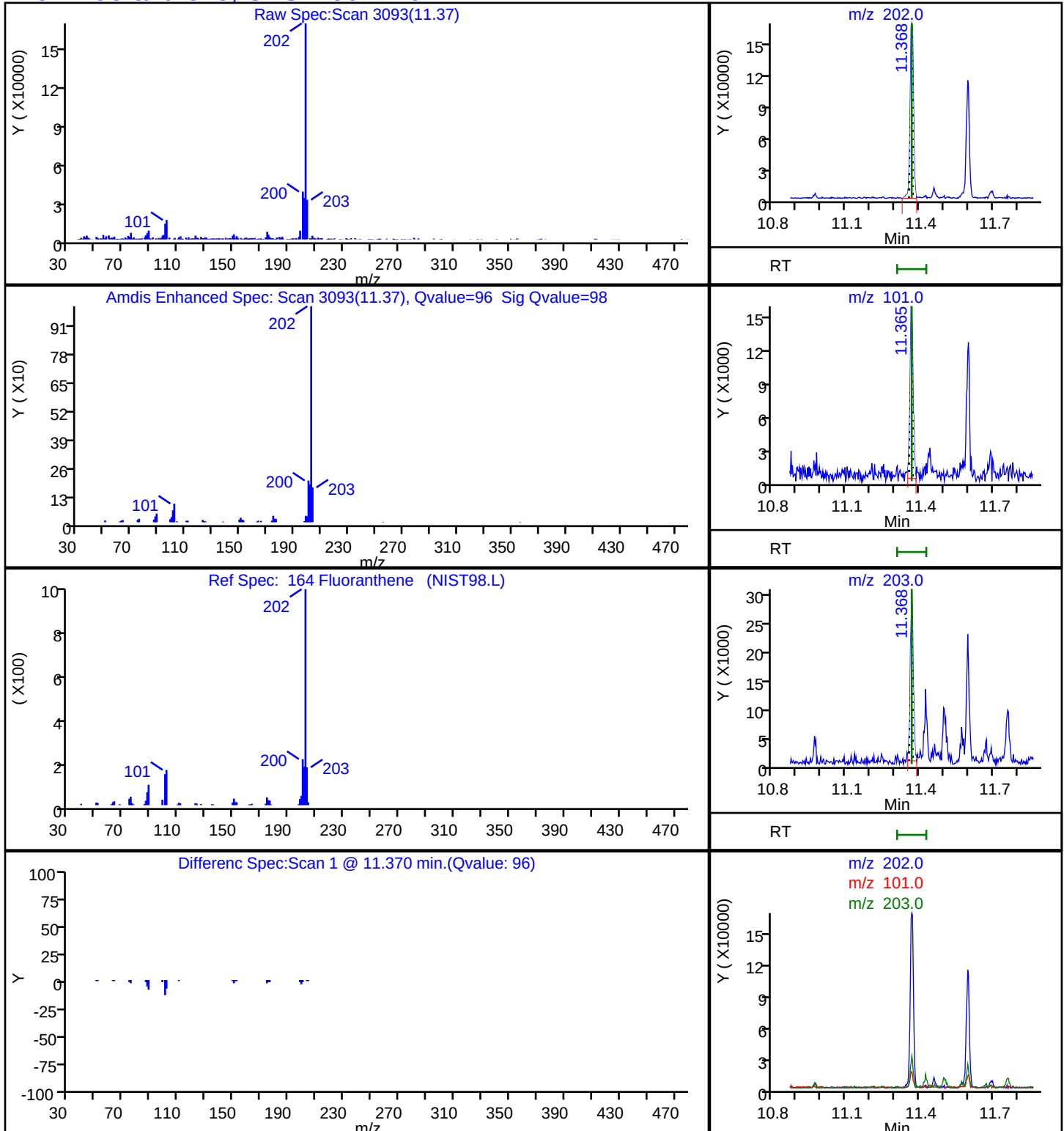
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

164 Fluoranthene, CAS: 206-44-0

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: JM

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 2.0 ul

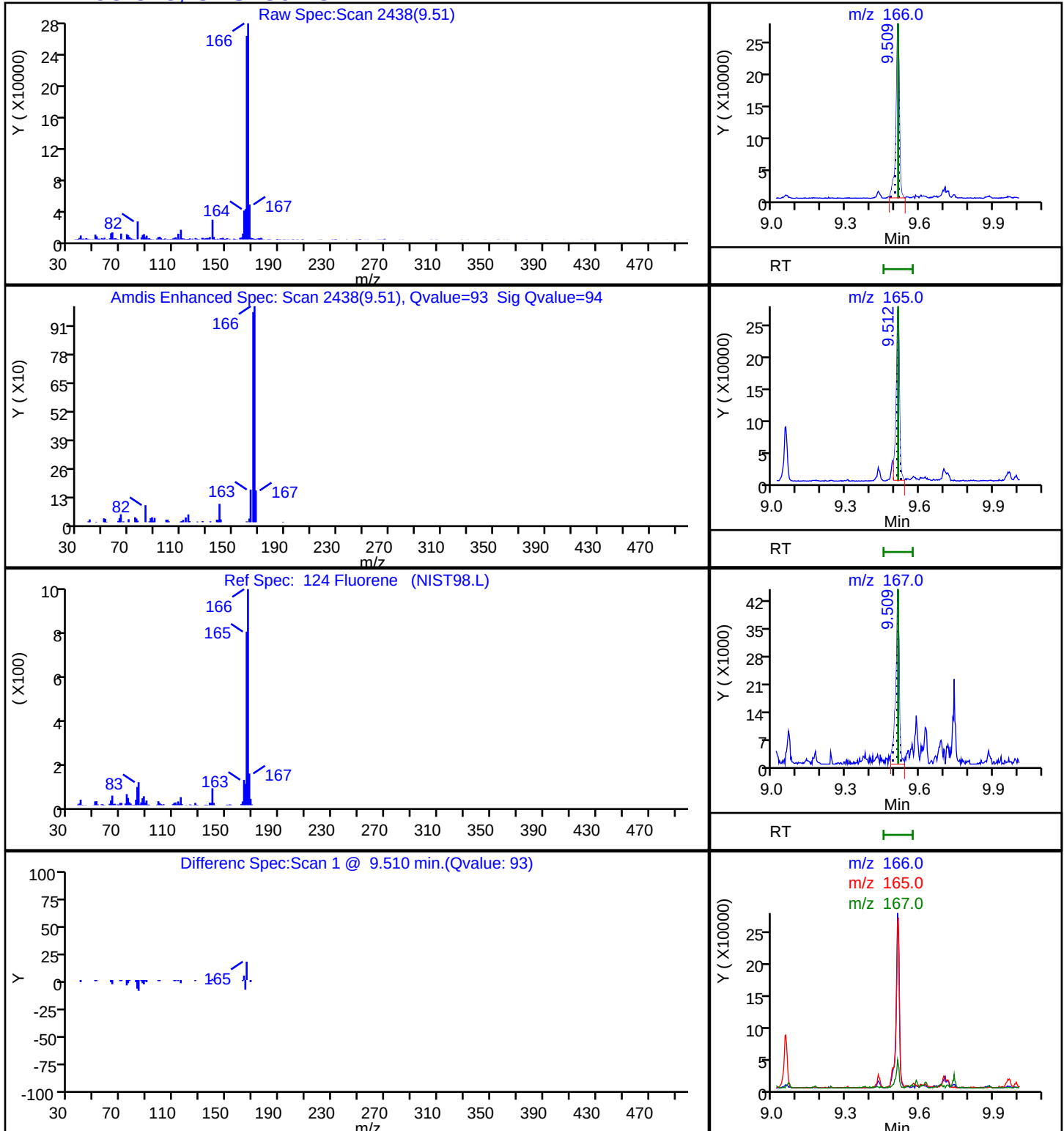
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

124 Fluorene, CAS: 86-73-7

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: JM

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 2.0 ul

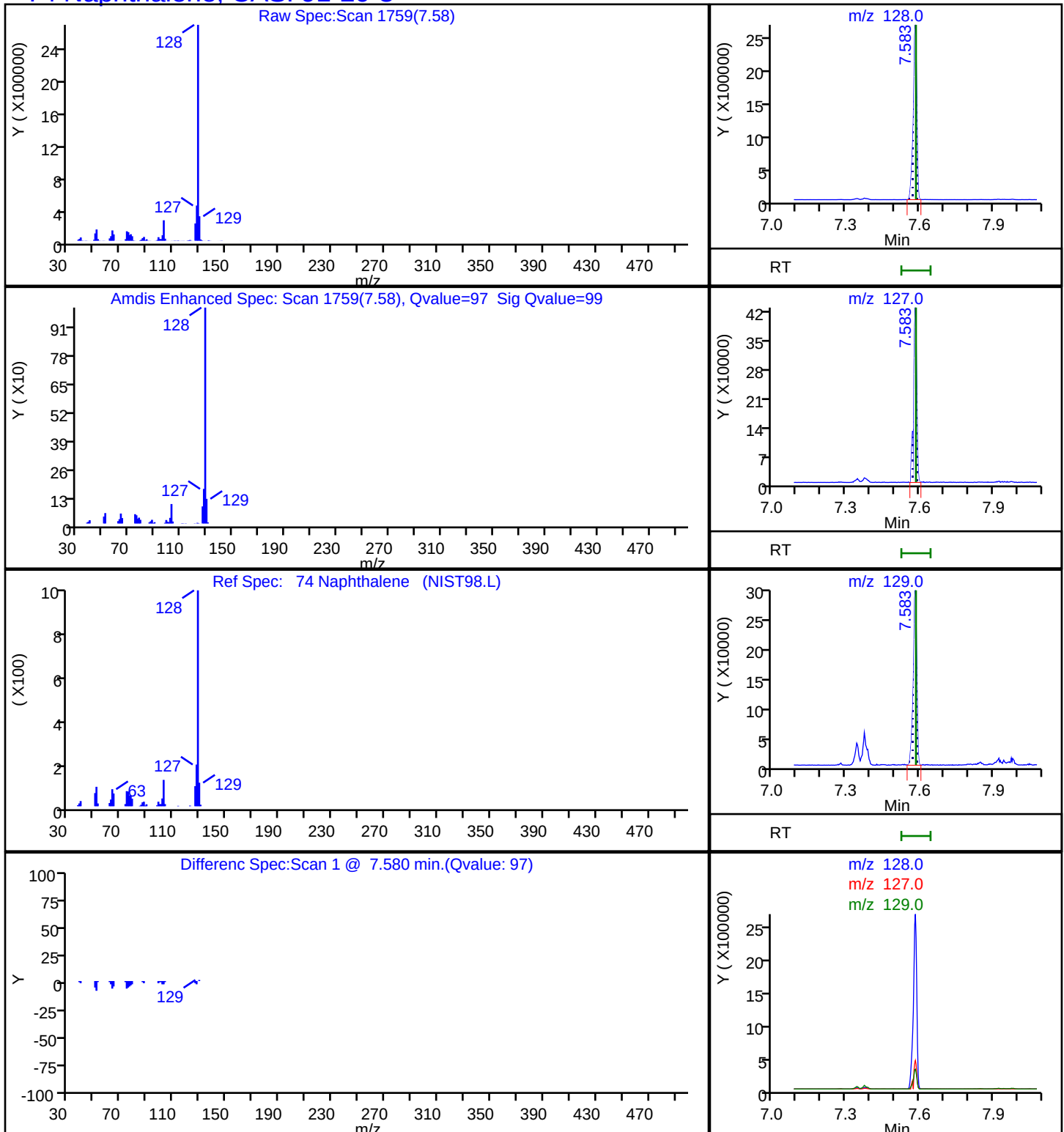
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Naphthalene, CAS: 91-20-3

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: JM

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 2.0 ul

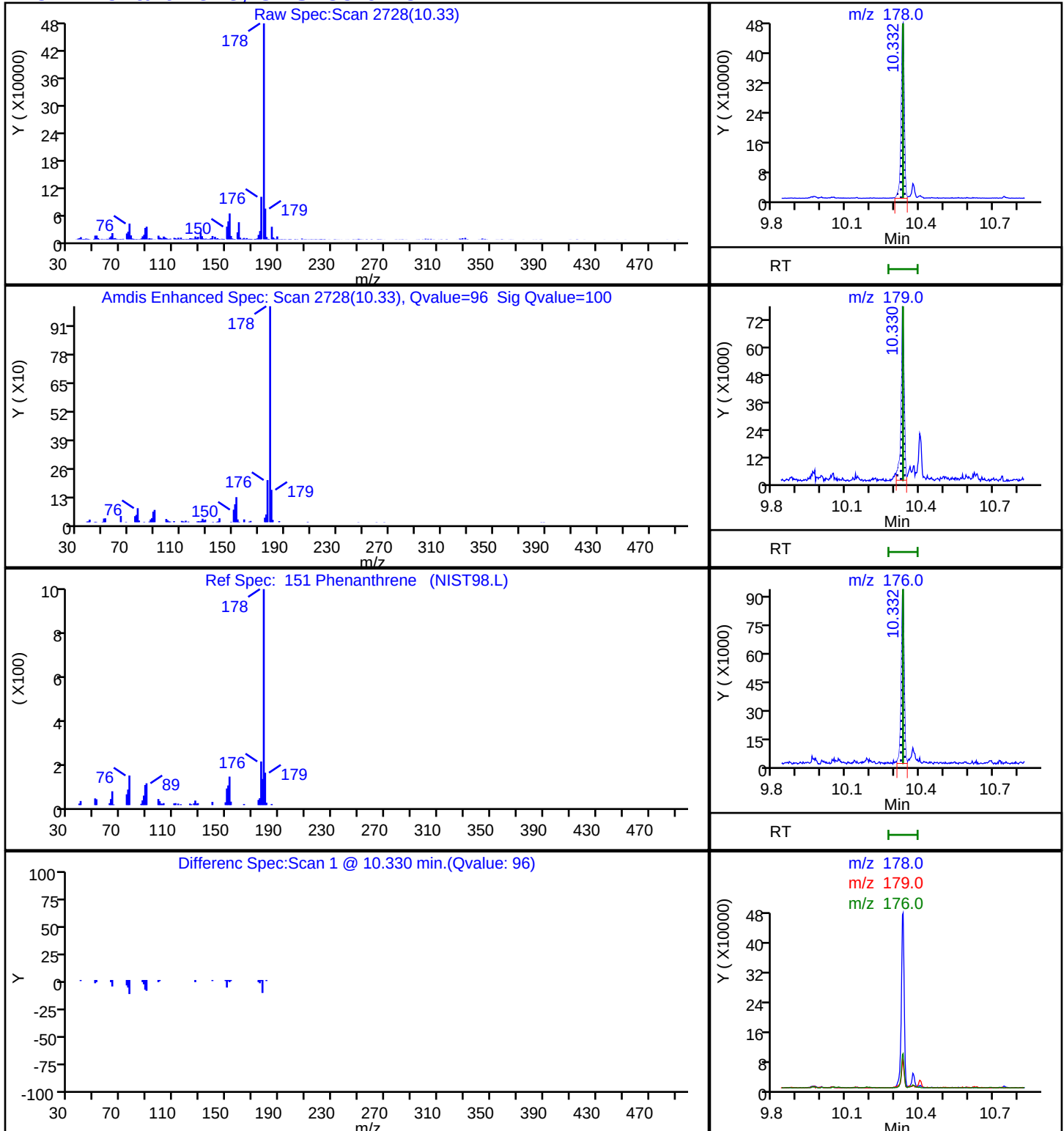
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

151 Phenanthrene, CAS: 85-01-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827379.D

Injection Date: 03-Dec-2021 17:32:30

Instrument ID: HP5973Y

Lims ID: 480-192935-A-9-A

Lab Sample ID: 480-192935-9

Client ID: PRMW-5S-113021

Operator ID: JM

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 2.0 ul

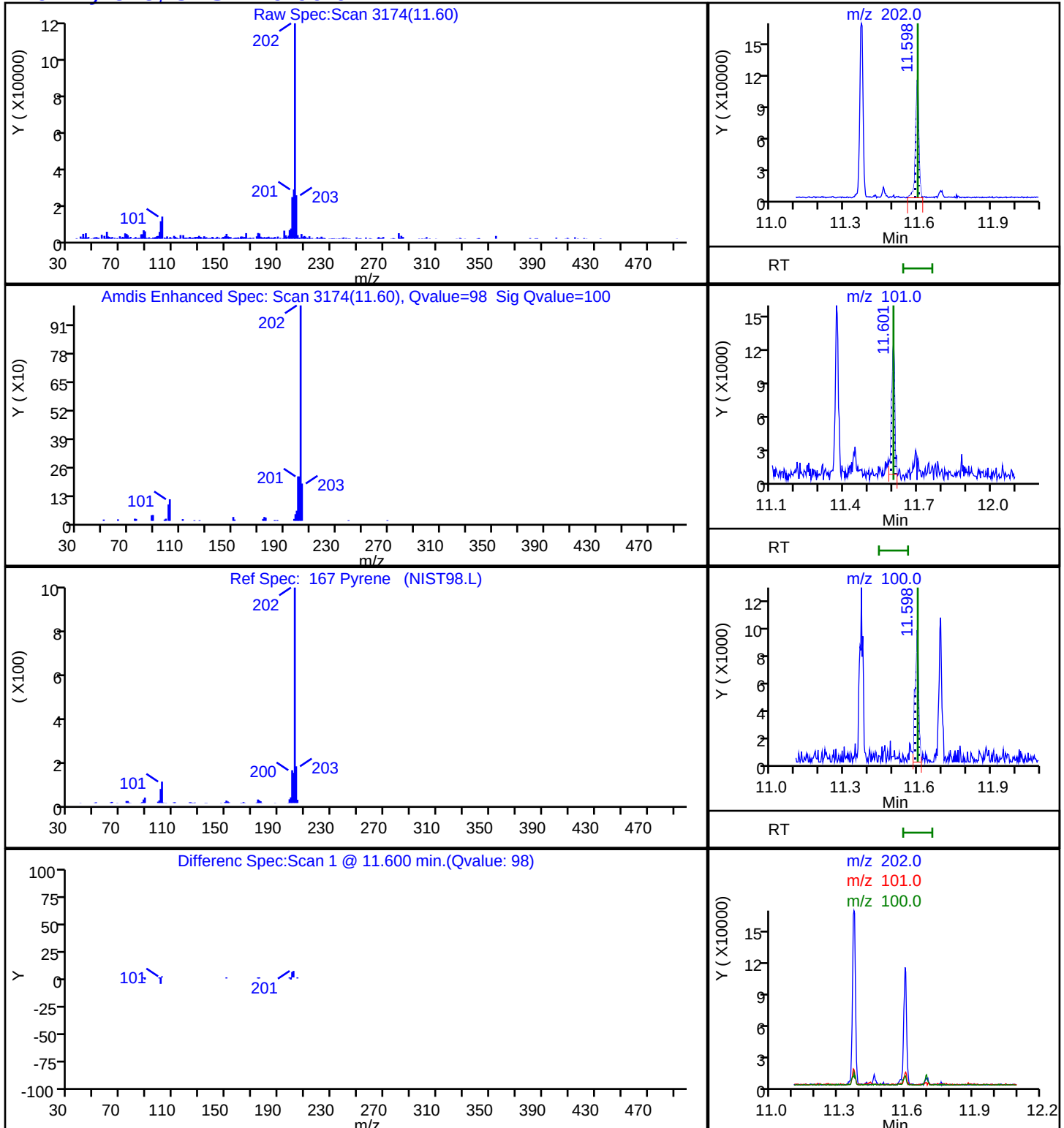
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

167 Pyrene, CAS: 129-00-0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-6D-113021 Lab Sample ID: 480-192935-10
 Matrix: Water Lab File ID: Y02827380.D
 Analysis Method: 8270D Date Collected: 11/30/2021 08:35
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 17:59
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	109		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	91		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	112		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827380.D
 Lims ID: 480-192935-B-10-A
 Client ID: PRMW-6D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 17:59:30 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-020
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 13:09:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.477	6.475	0.002	92	263970	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	98	934071	4.00	
* 3 Acenaphthene-d10	164	9.050	9.052	-0.002	90	580992	4.00	
* 4 Phenanthrene-d10	188	10.310	10.311	-0.001	94	1031944	4.00	
* 5 Chrysene-d12	240	13.006	13.004	0.002	96	1046142	4.00	
* 6 Perylene-d12	264	15.225	15.221	0.005	99	1264660	4.00	
\$ 9 Nitrobenzene-d5	82	6.945	6.947	-0.002	86	562783	7.32	
\$ 10 2-Fluorobiphenyl	172	8.452	8.453	-0.001	98	1717086	8.72	
\$ 12 p-Terphenyl-d14	244	11.695	11.694	0.001	96	2447331	8.96	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178		10.332				ND	U
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	U
167 Pyrene	202	11.599	11.600	-0.001	60	1434	0.004536	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:31

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827380.D

Injection Date: 03-Dec-2021 17:59:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-B-10-A

Lab Sample ID: 480-192935-10

Worklist Smp#: 20

Client ID: PRMW-6D-113021

Injection Vol: 2.0 ul

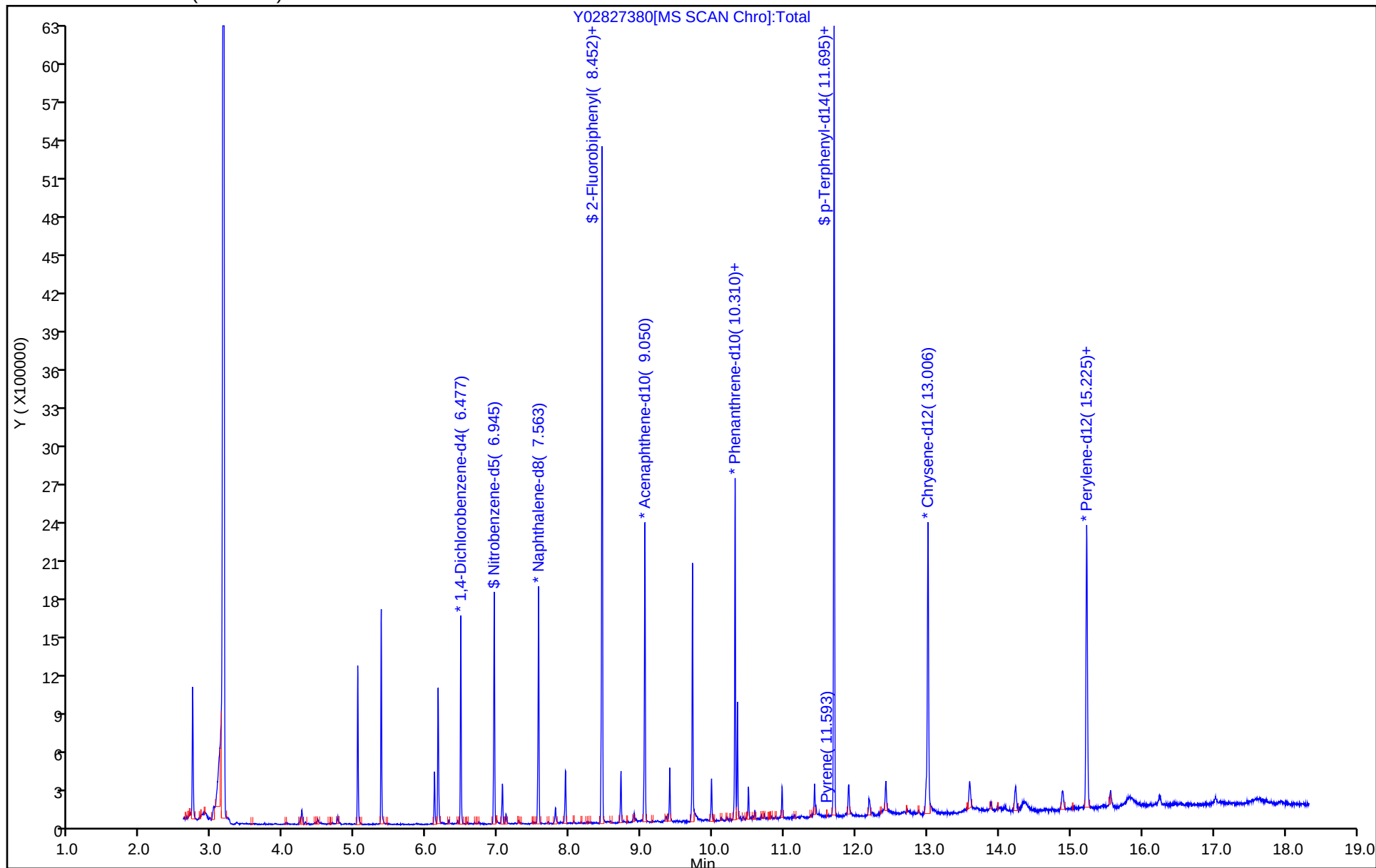
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827380.D

Injection Date: 03-Dec-2021 17:59:30

Instrument ID: HP5973Y

Lims ID: 480-192935-B-10-A

Lab Sample ID: 480-192935-10

Client ID: PRMW-6D-113021

Operator ID: JM

ALS Bottle#:

20

Worklist Smp#: 20

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

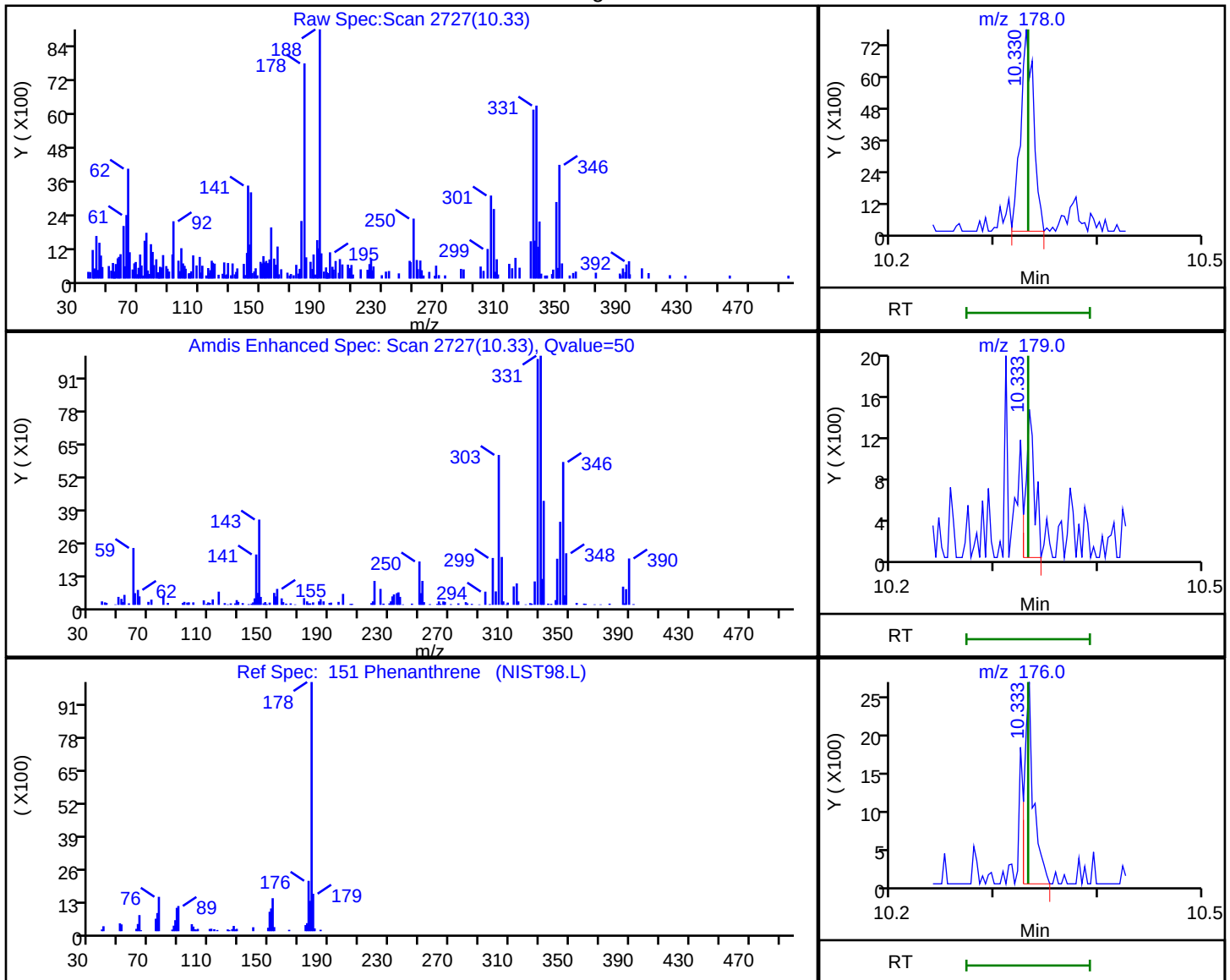
Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

151 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
10.33	178.00	6691	0.024921
10.33	179.00	838	
10.33	176.00	1562	

Reviewer: marshallj, 06-Dec-2021 13:08:37

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-6S-113021 Lab Sample ID: 480-192935-11
 Matrix: Water Lab File ID: Y02827381.D
 Analysis Method: 8270D Date Collected: 11/30/2021 09:35
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 18:26
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	99		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	82		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	94		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827381.D
 Lims ID: 480-192935-A-11-A
 Client ID: PRMW-6S-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 18:26:30 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-021
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 13:10:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	92	265622	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	98	937446	4.00	
* 3 Acenaphthene-d10	164	9.050	9.052	-0.002	91	579267	4.00	
* 4 Phenanthrene-d10	188	10.310	10.311	-0.001	94	1046781	4.00	
* 5 Chrysene-d12	240	13.008	13.004	0.004	96	1079081	4.00	
* 6 Perylene-d12	264	15.224	15.221	0.004	99	1290743	4.00	
\$ 9 Nitrobenzene-d5	82	6.944	6.947	-0.003	86	504939	6.54	
\$ 10 2-Fluorobiphenyl	172	8.451	8.453	-0.002	98	1557295	7.93	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	2120412	7.53	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178		10.332				ND	
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202		11.600				ND	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827381.D

Injection Date: 03-Dec-2021 18:26:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-11-A

Lab Sample ID: 480-192935-11

Worklist Smp#: 21

Client ID: PRMW-6S-113021

Injection Vol: 2.0 ul

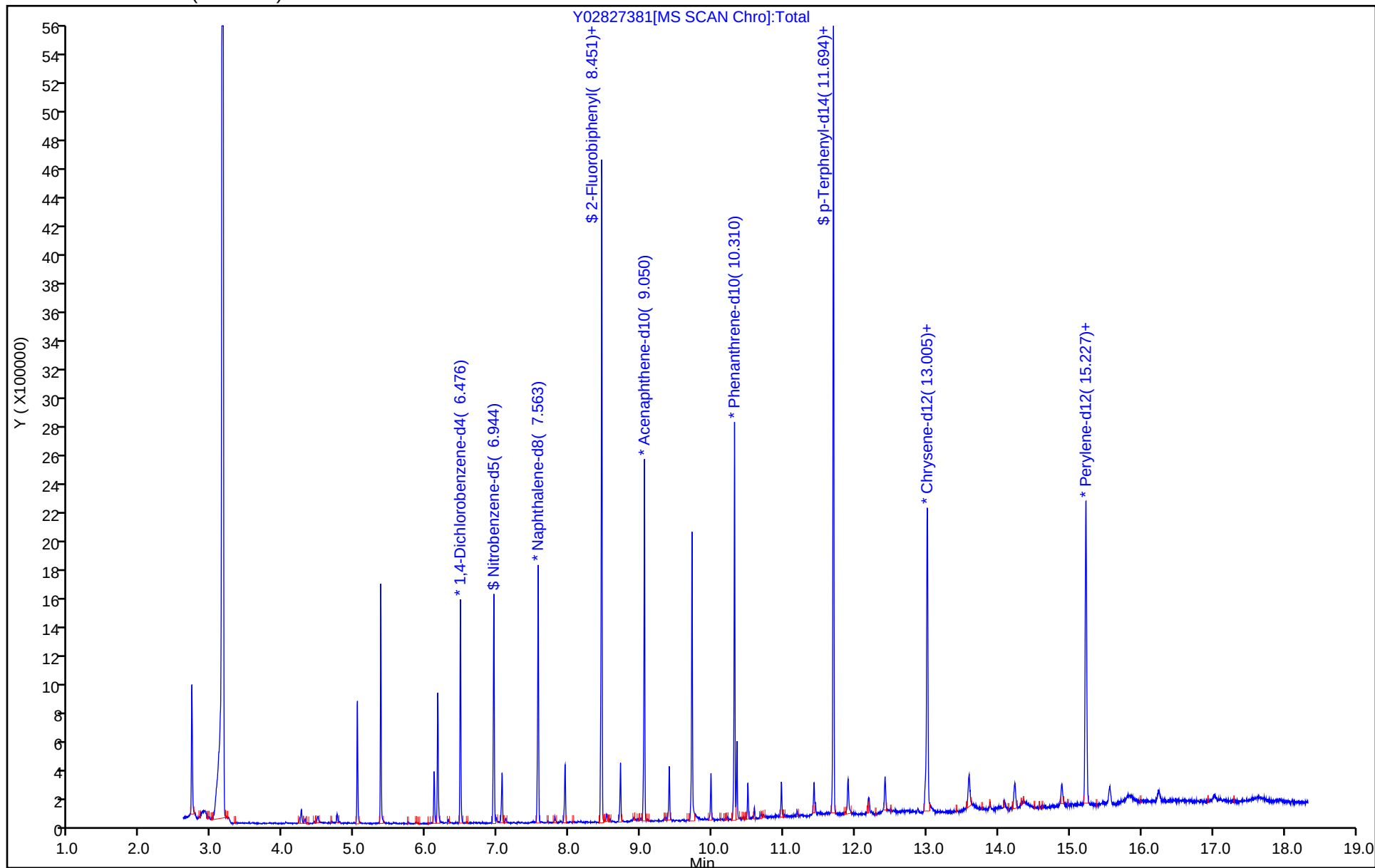
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: TMW-1D-113021 Lab Sample ID: 480-192935-12
 Matrix: Water Lab File ID: Y02827382.D
 Analysis Method: 8270D Date Collected: 11/30/2021 12:25
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 18:53
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	71		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	59		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	92		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827382.D
 Lims ID: 480-192935-B-12-A
 Client ID: TMW-1D-113021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 18:53:30 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-022
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 13:13:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	92	257382	4.00	
* 2 Naphthalene-d8	136	7.563	7.565	-0.002	98	903374	4.00	
* 3 Acenaphthene-d10	164	9.050	9.052	-0.002	90	572753	4.00	
* 4 Phenanthrene-d10	188	10.310	10.311	-0.001	94	1037784	4.00	
* 5 Chrysene-d12	240	13.008	13.004	0.004	96	1069346	4.00	
* 6 Perylene-d12	264	15.227	15.221	0.007	98	1252757	4.00	
\$ 9 Nitrobenzene-d5	82	6.944	6.947	-0.003	86	349299	4.69	
\$ 10 2-Fluorobiphenyl	172	8.454	8.453	0.001	99	1096745	5.65	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	2063040	7.39	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178		10.332				ND	
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202		11.368				ND	
167 Pyrene	202		11.600				ND	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827382.D

Injection Date: 03-Dec-2021 18:53:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-B-12-A

Lab Sample ID: 480-192935-12

Worklist Smp#: 22

Client ID: TMW-1D-113021

Injection Vol: 2.0 ul

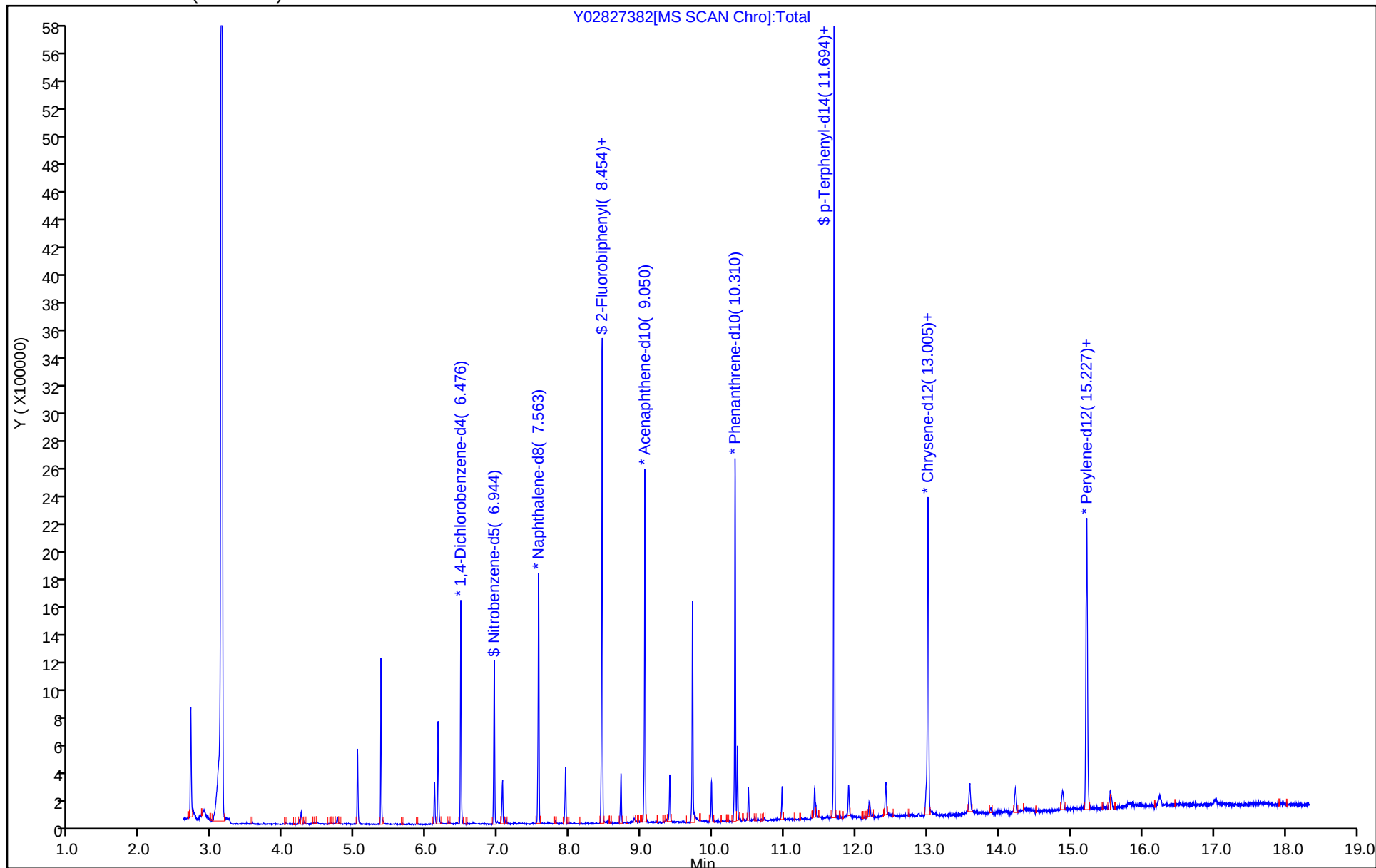
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: EB-120121 Lab Sample ID: 480-192935-13
 Matrix: Water Lab File ID: Y02827383.D
 Analysis Method: 8270D Date Collected: 12/01/2021 13:00
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 19:21
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	87		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	69		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	112		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827383.D
 Lims ID: 480-192935-A-13-A
 Client ID: EB-120121
 Sample Type: Client
 Inject. Date: 03-Dec-2021 19:21:30 ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-023
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 13:23:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.478	6.475	0.003	92	256780	4.00	
* 2 Naphthalene-d8	136	7.565	7.565	0.000	98	954833	4.00	
* 3 Acenaphthene-d10	164	9.049	9.052	-0.003	91	566133	4.00	
* 4 Phenanthrene-d10	188	10.312	10.311	0.001	94	1024326	4.00	
* 5 Chrysene-d12	240	13.007	13.004	0.003	96	1069053	4.00	
* 6 Perylene-d12	264	15.223	15.221	0.003	99	1265279	4.00	
\$ 9 Nitrobenzene-d5	82	6.943	6.947	-0.004	87	433335	5.51	
\$ 10 2-Fluorobiphenyl	172	8.453	8.453	0.000	99	1332673	6.95	
\$ 12 p-Terphenyl-d14	244	11.693	11.694	-0.001	96	2496542	8.95	
74 Naphthalene	128		7.585				ND	
108 Acenaphthylene	152		8.936				ND	
110 Acenaphthene	153		9.080				ND	
124 Fluorene	166		9.512				ND	
151 Phenanthrene	178		10.332				ND	
152 Anthracene	178		10.377				ND	
164 Fluoranthene	202	11.367	11.368	-0.001	91	6942	0.0234	
167 Pyrene	202		11.600				ND	
180 Benzo[a]anthracene	228		12.993				ND	
182 Chrysene	228		13.047				ND	
186 Benzo[b]fluoranthene	252		14.605				ND	
187 Benzo[k]fluoranthene	252		14.651				ND	
189 Benzo[a]pyrene	252		15.139				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.054				ND	
194 Dibenz(a,h)anthracene	278		17.057				ND	
195 Benzo[g,h,i]perylene	276		17.585				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827383.D

Injection Date: 03-Dec-2021 19:21:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-13-A

Lab Sample ID: 480-192935-13

Worklist Smp#: 23

Client ID: EB-120121

Injection Vol: 2.0 ul

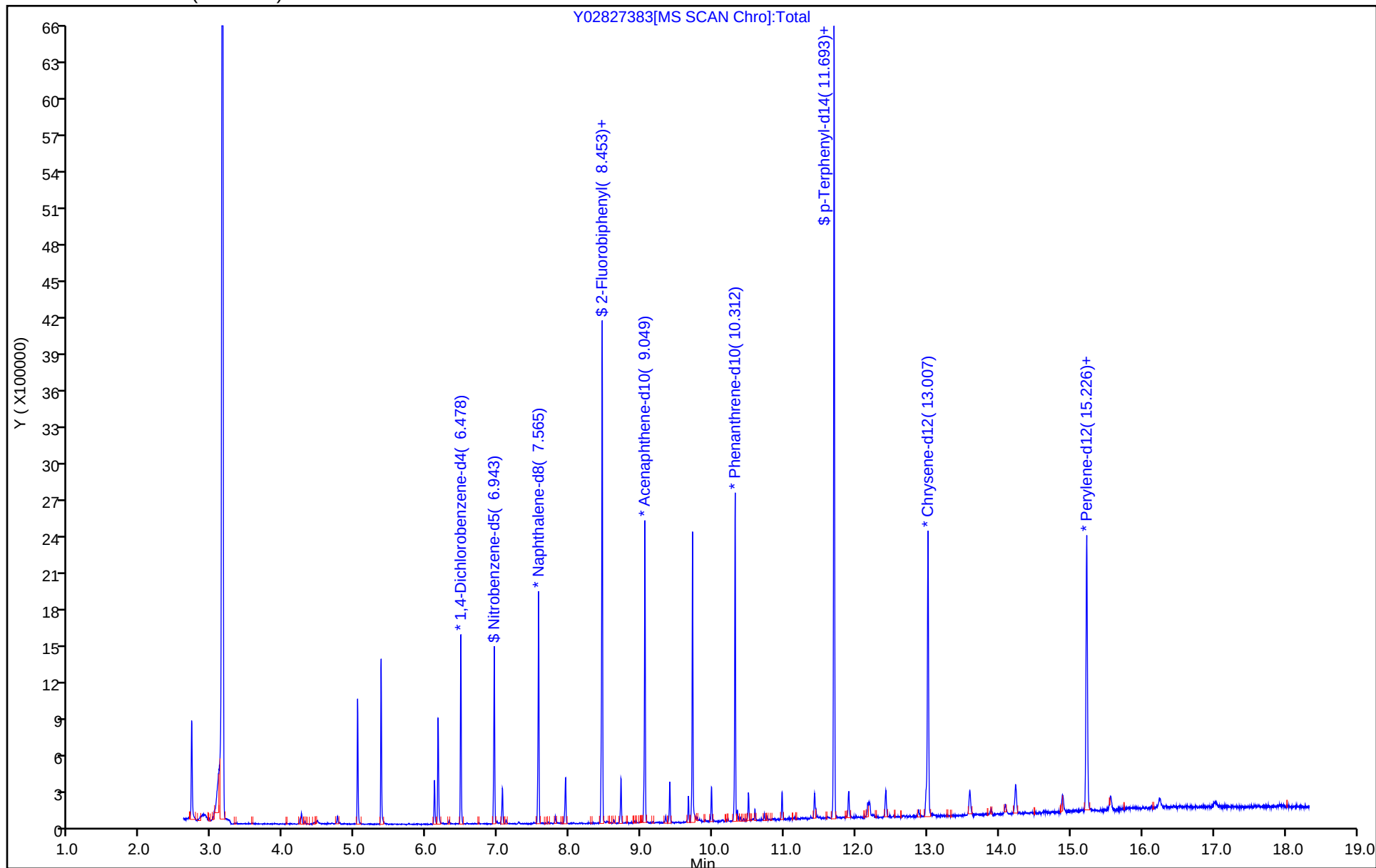
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604656/3	Y02826636.D
Level 2	IC 480-604656/4	Y02826637.D
Level 3	IC 480-604656/5	Y02826638.D
Level 4	IC 480-604656/6	Y02826639.D
Level 5	ICIS 480-604656/7	Y02826640.D
Level 6	IC 480-604656/8	Y02826641.D
Level 7	IC 480-604656/9	Y02826642.D
Level 8	IC 480-604656/10	Y02826643.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,4-Dioxane	0.3740	0.3511 0.3747	0.3648 0.3547	0.3837	0.3729	Ave		0.368 0			0.0100	3.2		20.0			
N-Nitrosodimethylamine	0.4382	0.4371 0.4408	0.4315 0.4378	0.4324	0.4529	Ave		0.438 7			0.0100	1.6		20.0			
Pyridine	0.4708	0.4412 0.4859	0.4603 0.4767	0.4877	0.4824	Ave		0.472 2			0.0100	3.5		20.0			
Benzaldehyde	0.7179	0.7558 0.6731	0.7211 0.6372	0.7794	0.6963	Lin2	0.080 0	0.688 5			0.0100	6.2			0.9950		0.9900
Phenol	1.2629	1.2580 1.2824	1.2179 1.2437	1.2956	1.2825	Ave		1.263 3			0.8000	2.1		20.0			
Aniline	1.4806	1.4689 1.6281	1.5090 1.6071	1.5705	1.5486	Ave		1.544 7			0.0100	4.0		20.0			
Bis(2-chloroethyl)ether	0.9617	0.9541 0.7863	0.9151 0.7841	0.9191	0.9360	Ave		0.893 8			0.7000	8.5		20.0			
2-Chlorophenol	1.2723	1.1862 1.2443	1.1820 1.2196	1.2638	1.2343	Ave		1.228 9			0.8000	2.9		20.0			
n-Decane	0.8071	0.8734 0.8213	0.8056 0.8109	0.8327	0.8392	Ave		0.827 2			0.0100	2.9		20.0			
1,3-Dichlorobenzene	1.4816	1.4600 1.4862	1.5043 1.4417	1.5294	1.4574	Ave		1.480 1			0.0100	2.0		20.0			
1,4-Dichlorobenzene	1.4996	1.4785 1.4804	1.5194 1.4862	1.5089	1.5077	Ave		1.497 2			0.0100	1.1		20.0			
Benzyl alcohol	0.7189	0.6350 0.7287	0.6484 0.6259	0.7004	0.7058	Lin2	-0.03 3	0.699 6			0.0100	5.5			0.9960		0.9900
1,2-Dichlorobenzene	1.4386	1.4808 1.4185	1.4612 1.3593	1.4218	1.4202	Ave		1.428 6			0.0100	2.7		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Methylphenol	1.0401	0.9642 1.0241	1.0227 1.0227	1.0209	1.0113	Ave		1.015 1			0.7000	2.4		20.0			
bis (2-chloroisopropyl) ether	0.8450	0.8664 0.8513	0.8892 0.8372	0.8706	0.8584	Ave		0.859 8			0.0100	2.0		20.0			
Indene	2.0422	2.1562 1.9425	2.1107 ++++	2.1971	2.1207	Ave		2.094 9			0.0100	4.3		20.0			
4-Methylphenol	1.0763	1.0017 1.0808	1.0223 1.0639	1.0697	1.0682	Ave		1.054 7			0.6000	2.9		20.0			
N-Nitrosodi-n-propylamine	0.5603	0.6002 0.5648	0.6004 0.5560	0.6593	0.6120	Ave		0.593 3			0.5000	6.2		20.0			
Acetophenone	1.2959	1.4857 1.5039	1.4590 1.3582	1.5286	1.4912	Ave		1.446 1			0.0100	5.9		20.0			
Hexachloroethane	0.5396	0.5557 0.5417	0.5364 0.5349	0.5309	0.5464	Ave		0.540 8			0.3000	1.5		20.0			
Nitrobenzene	0.2831	0.2733 0.2869	0.2907 0.2562	0.2897	0.2945	Ave		0.282 1			0.2000	4.7		20.0			
Isophorone	0.5097	0.4855 0.4924	0.4795 0.4607	0.5158	0.5010	Lin2	-0.00 4	0.494 3			0.4000	4.1			0.9980		0.9900
2-Nitrophenol	0.1909	0.1746 0.1896	0.1724 0.1936	0.1822	0.1870	Lin2	-0.01 0	0.190 0			0.1000	2.4			0.9990		0.9900
2,4-Dimethylphenol	0.2838	0.3081 0.3192	0.3129 0.2903	0.2933	0.3227	Lin2	0.004 3	0.301 9			0.2000	5.4			0.9960		0.9900
Bis(2-chloroethoxy)methane	0.2751	0.3158 0.3070	0.2700 0.2931	0.2736	0.3136	Ave		0.292 6		*	0.3000	6.8		20.0			
Benzoic acid	0.1939	++++ 0.2095	0.1095 0.2209	0.1450	0.1754	Lin2	-0.55 9	0.213 4			0.0100	5.7			0.9960		0.9900
2,4-Dichlorophenol	0.3063	0.2817 0.3017	0.2920 0.2918	0.3005	0.3091	Ave		0.297 6			0.2000	3.2		20.0			
1,2,4-Trichlorobenzene	0.3467	0.3531 0.3292	0.3411 0.3108	0.3386	0.3386	Ave		0.336 9			0.0100	4.1		20.0			
Naphthalene	1.0374 0.9836	1.0685 0.9801	1.0189 0.9645	1.0090	1.0151	Lin2	0.006 7	0.999 6			0.7000	3.1			0.9990		0.9900
4-Chloroaniline	0.3578	0.3448 0.3497	0.3545 0.3448	0.3744	0.3814	Ave		0.358 2			0.0100	4.0		20.0			
2,6-Dichlorophenol	0.3052	0.2970 0.2990	0.2806 0.3181	0.3046	0.2994	Ave		0.300 6			0.0100	3.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2333	0.2388 0.2304	0.2193 0.2368	0.2321	0.2369	Ave		0.232 5			0.0100	2.8		20.0			
Caprolactam	0.0889	0.0771 0.0904	0.0815 0.0923	0.0835	0.0892	Lin2	-0.01 5	0.090 3			0.0100	2.3			0.9990		0.9900
4-Chloro-3-methylphenol	0.2700	0.2430 0.2685	0.2329 0.2521	0.2537	0.2596	Ave		0.254 3			0.2000	5.3		20.0			
2-Methylnaphthalene	0.7793 0.7022	0.6662 0.6895	0.7071 0.6628	0.7328	0.7179	Ave		0.707 2			0.4000	5.3		20.0			
1-Methylnaphthalene	0.6088 0.6510	0.6578 0.6324	0.6414 0.6571	0.6755	0.6468	Ave		0.646 4			0.0100	3.1		20.0			
Hexachlorocyclopentadiene	0.4545	0.3622 0.4574	0.3560 0.4449	0.4202	0.4325	Lin2	-0.05 3	0.448 7			0.0500	4.8			0.9970		0.9900
1,2,4,5-Tetrachlorobenzene	0.6420	0.6730 0.6396	0.6411 0.6334	0.6710	0.6416	Ave		0.648 8			0.0100	2.5		20.0			
2,4,6-Trichlorophenol	0.4105	0.3470 0.4086	0.3632 0.4049	0.4005	0.3889	Lin2	-0.03 3	0.407 9			0.2000	2.2			0.9990		0.9900
2,4,5-Trichlorophenol	0.4075	0.3396 0.3875	0.3735 0.4037	0.4042	0.4072	Lin2	-0.03 3	0.407 9			0.2000	2.6			0.9990		0.9900
Biphenyl	1.4131	1.4840 1.3906	1.4370 1.2841	1.5068	1.4354	Ave		1.421 6			0.0100	5.1		20.0			
2-Chloronaphthalene	1.1117	1.1221 1.0160	1.0652 1.0087	1.1072	1.0853	Ave		1.073 8			0.8000	4.3		20.0			
2-Nitroaniline	0.2409	0.1845 0.2246	0.2026 0.2293	0.2423	0.2331	Lin2	-0.02 7	0.237 7			0.0100	4.6			0.9970		0.9900
Dimethyl phthalate	1.1678	1.2230 1.1490	1.1592 1.1523	1.2550	1.2365	Ave		1.191 8			0.0100	3.8		20.0			
1,3-Dinitrobenzene	0.1154	0.0900 0.1175	0.0991 0.1247	0.1124	0.1156	Lin2	-0.01 6	0.119 9			0.0100	3.1			0.9990		0.9900
2,6-Dinitrotoluene	0.2885	0.2715 0.2789	0.2955 0.2909	0.2872	0.2783	Lin2	-0.00 5	0.287 1			0.2000	2.9			0.9990		0.9900
Acenaphthylene	1.8067 1.7624	1.7596 1.7390	1.8081 1.6021	1.8007	1.7833	Ave		1.757 7			0.9000	3.8		20.0			
3-Nitroaniline	0.2951	0.2422 0.2960	0.2612 0.2766	0.3096	0.2873	Lin2	-0.02 6	0.296 2			0.0100	5.0			0.9970		0.9900
2,4-Dinitrophenol	0.1742	0.0566 0.1791	0.0935 0.1879	0.1267	0.1530	Lin2	-0.13 3	0.176 8			0.0100	8.4			0.9910		0.9900

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Acenaphthene	1.2748 1.1397	1.1901 1.1296	1.1939 1.0590	1.2223	1.1511	Ave		1.170 1			0.9000	5.6		20.0			
4-Nitrophenol	0.1515	0.0871 0.1526	0.1117 0.1500	0.1358	0.1434	Lin2	-0.06 9	0.153 0			0.0100	2.5			0.9990		0.9900
2,4-Dinitrotoluene	0.3929	0.3306 0.3859	0.3796 0.3825	0.3833	0.3886	Lin2	-0.02 8	0.393 5			0.2000	2.2			0.9990		0.9900
Dibenzofuran	1.5824	1.6893 1.5830	1.6143 1.5696	1.6606	1.5784	Ave		1.611 1			0.8000	2.9		20.0			
2,3,4,6-Tetrachlorophenol	0.3437	0.2578 0.3682	0.2821 0.3492	0.3104	0.3349	Lin2	-0.05 2	0.350 9			0.0100	4.2			0.9980		0.9900
Hexadecane	0.4716	0.4912 0.4695	0.4568 0.4477	0.4752	0.4467	Ave		0.465 5			0.0100	3.5		20.0			
Diethyl phthalate	1.1449	1.2697 1.1557	1.2362 1.1275	1.2550	1.2633	Ave		1.207 5			0.0100	5.1		20.0			
4-Chlorophenyl phenyl ether	0.6882	0.6545 0.6578	0.6748 0.6393	0.6794	0.6789	Ave		0.667 5			0.4000	2.6		20.0			
4-Nitroaniline	0.3095	0.3048 0.3023	0.2964 0.3055	0.3031	0.3113	Lin2	-0.00 2	0.306 0			0.0100	1.7			1.0000		0.9900
Fluorene	1.2656 1.2642	1.3141 1.2876	1.2081 1.1730	1.3118	1.2608	Ave		1.260 7			0.9000	3.9		20.0			
4,6-Dinitro-2-methylphenol	0.1311	0.0797 0.1293	0.0928 0.1255	0.1071	0.1202	Lin2	-0.05 3	0.127 5			0.0100	5.1			0.9970		0.9900
Diphenylamine	0.6088	0.5731 0.5803	0.5866 0.5572	0.6031	0.6028	Ave		0.587 4			0.0100	3.2		20.0			
N-Nitrosodiphenylamine	0.5205	0.4900 0.4962	0.5015 0.4764	0.5156	0.5154	Ave		0.502 2			0.0100	3.2		20.0			
1,2-Diphenylhydrazine	0.5169	0.5147 0.4958	0.5059 0.4806	0.5185	0.5131	Ave		0.506 5			0.0100	2.7		20.0			
trans-Azobenzene	0.5169	0.5147 0.4958	0.5059 0.4806	0.5185	0.5131	Ave		0.506 5			0.0100	2.7		20.0			
4-Bromophenyl phenyl ether	0.2559	0.2554 0.2507	0.2436 0.2587	0.2571	0.2560	Ave		0.253 9			0.1000	2.0		20.0			
Hexachlorobenzene	0.3217	0.3160 0.3246	0.3075 0.3187	0.3197	0.3100	Ave		0.316 9			0.1000	2.0		20.0			
Atrazine	0.3622	0.3924 0.3571	0.3842 0.3545	0.3892	0.3910	Ave		0.375 8			0.0100	4.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octadecane	0.2740	0.2689 0.2616	0.2627 0.2652	0.2694	0.2625	Ave		0.266 3			0.0100	1.7		20.0			
Pentachlorophenol	0.1575	0.0596 0.1560	0.0947 0.1653	0.1199	0.1335	Lin2	-0.10 5	0.156 8			0.0500	6.8			0.9940		0.9900
Phenanthrene	1.0985 1.0265	1.0704 0.9967	1.0380 0.9854	1.0642	1.0459	Ave		1.040 7			0.7000	3.6		20.0			
Anthracene	1.0416 1.0598	1.0257 0.9844	1.0570 0.9679	1.0680	1.0398	Ave		1.030 5			0.7000	3.5		20.0			
Carbazole	0.9188	0.8270 0.8642	0.9193 0.8633	0.8936	0.8975	Ave		0.883 4			0.0100	3.8		20.0			
Di-n-butyl phthalate	1.1712	1.1379 1.0963	1.1223 1.0848	1.1411	1.1457	Ave		1.128 5			0.0100	2.6		20.0			
Fluoranthene	1.1347 1.1626	1.1417 1.1254	1.1875 1.1144	1.1982	1.1887	Ave		1.156 7			0.6000	2.8		20.0			
Benzidine	0.5990	0.6080 0.5674	0.6080 0.5452	0.6105	0.6004	Ave		0.591 2			0.0100	4.2		20.0			
Pyrene	1.2093 1.1832	1.2029 1.1741	1.2613 1.1554	1.2382	1.2457	Ave		1.208 8			0.6000	3.1		20.0			
Butyl benzyl phthalate	0.5093	0.4728 0.5116	0.5196 0.5086	0.4881	0.5237	Ave		0.504 8			0.0100	3.6		20.0			
Bis(2-ethylhexyl) phthalate	0.7398	0.6546 0.7309	0.7057 0.7492	0.7066	0.7499	Ave		0.719 5			0.0100	4.7		20.0			
3,3'-Dichlorobenzidine	0.5112	0.4694 0.4924	0.4885 0.4924	0.4944	0.5064	Ave		0.493 5			0.0100	2.7		20.0			
Benzo[a]anthracene	1.2694 1.1754	1.2053 1.1710	1.2401 1.1715	1.2057	1.2411	Ave		1.210 0			0.8000	3.1		20.0			
Chrysene	1.2000 1.1066	1.1972 1.1177	1.1753 1.1133	1.1344	1.1707	Ave		1.151 9			0.7000	3.3		20.0			
Di-n-octyl phthalate	1.2348	1.0688 1.2452	1.1540 1.2577	1.1877	1.2570	Lin2	-0.09 6	1.256 0			0.0100	1.3			1.0000		0.9900
Benzo[b]fluoranthene	1.0734 1.2002	1.1191 1.1523	1.1683 1.1713	1.1737	1.1825	Ave		1.155 1			0.7000	3.5		20.0			
Benzo[k]fluoranthene	1.2214 1.1956	1.1623 1.1085	1.1552 1.1256	1.2108	1.1890	Ave		1.171 1			0.7000	3.4		20.0			
Benzo[a]pyrene	1.0296 1.1438	1.0683 1.1152	1.1003 1.1175	1.1063	1.1463	Ave		1.103 4			0.7000	3.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Indeno[1,2,3-cd]pyrene	1.2021 1.3815	1.2123 1.3520	1.3008 1.3920	1.3143	1.3639	Lin2	-0.02 1	1.346 9			0.5000	3.6			0.9990		0.9900
Dibenz(a,h)anthracene	1.0520 1.2038	1.1018 1.1815	1.1182 1.2362	1.1715	1.1847	Ave		1.156 2			0.4000	5.2		20.0			
Benzo[g,h,i]perylene	1.1300 1.2049	1.0815 1.1741	1.1394 1.2000	1.1381	1.1911	Ave		1.157 4			0.5000	3.7		20.0			
2-Fluorophenol (Surr)		1.0637 1.1030	1.0270 1.0724	1.0491	1.0833	Ave		1.072 5			0.0100	2.7		20.0			
Phenol-d5 (Surr)		1.1443 1.2645	1.2420 1.2514	1.2300	1.2611	Ave		1.234 6			0.0100	3.4		20.0			
Nitrobenzene-d5 (Surr)		0.3305 0.3286	0.3310 0.3306	0.3243	0.3313	Ave		0.329 5			0.0100	0.7		20.0			
2-Fluorobiphenyl		1.3464 1.3598	1.3556 1.3133	1.4130	1.3506	Ave		1.355 7			0.0100	2.2		20.0			
2,4,6-Tribromophenol (Surr)		0.1328 0.1658	0.1413 0.1645	0.1477	0.1554	Lin2	-0.01 7	0.163 2			0.0100	3.3			0.9990		0.9900
p-Terphenyl-d14 (Surr)		1.0610 1.0174	1.0672 1.0174	1.0633	1.0672	Ave		1.044 0			0.0100	2.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604656/3	Y02826636.D
Level 2	IC 480-604656/4	Y02826637.D
Level 3	IC 480-604656/5	Y02826638.D
Level 4	IC 480-604656/6	Y02826639.D
Level 5	ICIS 480-604656/7	Y02826640.D
Level 6	IC 480-604656/8	Y02826641.D
Level 7	IC 480-604656/9	Y02826642.D
Level 8	IC 480-604656/10	Y02826643.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave		13356	28071	58935	114882		0.500	1.00	2.00	4.00
			231764	342057	428648			8.00	12.0	16.0		
N-Nitrosodimethylamine	DCBd 4	Ave		16629	33198	66419	139501		0.500	1.00	2.00	4.00
			271527	402369	529101			8.00	12.0	16.0		
Pyridine	DCBd 4	Ave		33572	70839	149826	297216		1.00	2.00	4.00	8.00
			583441	887152	1152214			16.0	24.0	32.0		
Benzaldehyde	DCBd 4	Lin2		57507	110960	239417	428984		1.00	2.00	4.00	8.00
			889673	1228875	1540156			16.0	24.0	32.0		
Phenol	DCBd 4	Ave		47857	93705	198998	395084		0.500	1.00	2.00	4.00
			782582	1170671	1503114			8.00	12.0	16.0		
Aniline	DCBd 4	Ave		55881	116106	241221	477045		0.500	1.00	2.00	4.00
			917504	1486246	1942410			8.00	12.0	16.0		
Bis(2-chloroethyl) ether	DCBd 4	Ave		36295	70414	141168	288325		0.500	1.00	2.00	4.00
			595958	717773	947644			8.00	12.0	16.0		
2-Chlorophenol	DCBd 4	Ave		45126	90943	194108	380229		0.500	1.00	2.00	4.00
			788443	1135917	1474000			8.00	12.0	16.0		
n-Decane	DCBd 4	Ave		33226	61985	127894	258531		0.500	1.00	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			500120	749747	980093			8.00	12.0	16.0		
1,3-Dichlorobenzene	DCBd 4	Ave		55542	115748	234904	448964		0.500	1.00	2.00	4.00
			918138	1356721	1742470			8.00	12.0	16.0		
1,4-Dichlorobenzene	DCBd 4	Ave		56247	116906	231755	464439		0.500	1.00	2.00	4.00
			929290	1351444	1796233			8.00	12.0	16.0		
Benzyl alcohol	DCBd 4	Lin2		24157	49893	107584	217413		0.500	1.00	2.00	4.00
			445478	665181	756522			8.00	12.0	16.0		
1,2-Dichlorobenzene	DCBd 4	Ave		56332	112427	218376	437484		0.500	1.00	2.00	4.00
			891488	1294957	1642914			8.00	12.0	16.0		
2-Methylphenol	DCBd 4	Ave		36681	78686	156809	311519		0.500	1.00	2.00	4.00
			644535	934890	1236007			8.00	12.0	16.0		
bis (2-chloroisopropyl) ether	DCBd 4	Ave		32960	68420	133726	264429		0.500	1.00	2.00	4.00
			523644	777174	1011889			8.00	12.0	16.0		
Indene	DCBd 4	Ave		410135	812008	1687335	3266449		2.50	5.00	10.0	20.0
			6327556	8866555	+++++			40.0	60.0	+++++		
4-Methylphenol	DCBd 4	Ave		38106	78658	164305	329062		0.500	1.00	2.00	4.00
			666986	986644	1285855			8.00	12.0	16.0		
N-Nitrosodi-n-propylamine	DCBd 4	Ave		22834	46200	101267	188517		0.500	1.00	2.00	4.00
			347201	515561	671970			8.00	12.0	16.0		
Acetophenone	DCBd 4	Ave		56519	112263	234788	459378		0.500	1.00	2.00	4.00
			803041	1372904	1641590			8.00	12.0	16.0		
Hexachloroethane	DCBd 4	Ave		21141	41269	81542	168327		0.500	1.00	2.00	4.00
			334388	494546	646485			8.00	12.0	16.0		
Nitrobenzene	NPT	Ave		36721	78646	161634	321273		0.500	1.00	2.00	4.00
			640333	958902	1084117			8.00	12.0	16.0		

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isophorone	NPT	Lin2	1152750	65227 1645919	129733 1949671	287786	546618	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitrophenol	NPT	Lin2	431720	23452 633610	46652 819168	101670	204011	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dimethylphenol	NPT	Lin2	641754	41390 1066839	84648 1228480	163648	352099	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	622216	42423 1026097	73048 1240375	152652	342178	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzoic acid	NPT	Lin2	2192467	+++++ 3501119	148173 4673792	404572	956647	40.0	+++++ 60.0	5.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	692726	37843 1008366	79006 1234840	167658	337244	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	784079	47435 1100327	92274 1315429	188925	369441	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Naphthalene	NPT	Lin2	35072 2224486	143547 3275739	275646 4081660	562924	1107504	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chloroaniline	NPT	Ave	809210	46321 1168762	95896 1459367	208883	416079	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dichlorophenol	NPT	Ave	690273	39903 999280	75904 1346341	169936	326613	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	527556	32089 770115	59339 1002320	129516	258465	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Caprolactam	NPT	Lin2	402017	20724 604470	44086 781000	93119	194730	16.0	1.00 24.0	2.00 32.0	4.00	8.00
4-Chloro-3-methylphenol	NPT	Ave	610717	32647 897518	63002 1066815	141560	283225	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	1588216	26345 2304532	89507 2805193	408819	783209	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	1472301	20582 2113655	88378 2781090	376854	705665	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Lin2	624773	29447 918335	56238 1158980	139372	284586	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	882462	54718 1284063	101275 1649961	222558	422138	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Lin2	564233	28215 820370	57372 1054750	132830	255899	8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Lin2	560158	27608 777964	59004 1051700	134056	267941	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Biphenyl	ANT	Ave	1942528	120654 2791746	226994 3345267	499750	944411	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1528236	91234 2039676	168258 2627854	367219	714062	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitroaniline	ANT	Lin2	331179	14999 450811	32001 597402	80359	153380	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1605241	99436 2306759	183108 3001711	416240	813555	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,3-Dinitrobenzene	NPT	Lin2	261055	12092 392638	26822 527568	62715	126115	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	396526	22074 559977	46684 757916	95240	183089	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthylene	ANT	Ave	36016 2422579	143066 3491200	285598 4173493	597228	1173276	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3-Nitroaniline	ANT	Lin2	405705	19692 594155	41265 720691	102674	189056	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin2	479012	9205 719067	29540 979163	84043	201373	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Acenaphthene	ANT	Ave	25412 1566705	96761 2267806	188591 2758774	405404	757363	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Nitrophenol	ANT	Lin2	416586	14165 612575	35293 781512	90073	188678	16.0	1.00 24.0	2.00 32.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	540023	26880 774826	59962 996506	127120	255687	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenzofuran	ANT	Ave	2175258	137351 3177995	254997 4089015	550758	1038478	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Lin2	472446	20960 739174	44568 909651	102939	220353	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexadecane	ANT	Ave	648299	39938 942557	72163 1166250	157600	293873	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1573842	103235 2320158	195262 2937234	416229	831147	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	945968	53214 1320606	106584 1665343	225335	446665	8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Nitroaniline	ANT	Lin2	425399	24778 606830	46824 795865	100540	204842	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Fluorene	ANT	Ave	25230 1737745	106842 2585049	190836 3055708	435082	829521	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	647517	23277 955995	53097 1205609	130735	287459	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Diphenylamine	PHN	Ave	1285799	71547 1834203	143494 2287693	314673	616073	6.84	0.428 10.3	0.855 13.7	1.71	3.42
N-Nitrosodiphenylamine	PHN	Ave	1285799	71547 1834203	143494 2287693	314673	616073	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	1276898	75153 1832668	144731 2307939	316438	613296	8.00	0.500 12.0	1.00 16.0	2.00	4.00
trans-Azobenzene	PHN	Ave	1276898	75153 1832668	144731 2307939	316438	613296	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	632081	37290 926718	69696 1242428	156927	305955	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	794714	46147 1199968	87981 1530599	195108	370480	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Atrazine	ANT	Ave	995649	63814 1433704	121381 1847246	258198	514530	16.0	1.00 24.0	2.00 32.0	4.00	8.00
n-Octadecane	PHN	Ave	676829	39267 967227	75159 1273445	164408	313740	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Pentachlorophenol	PHN	Lin2	777956	17402 1153296	54175 1587314	146311	319152	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Phenanthrene	PHN	Ave	2535760	38211 156289 3684664	296976 4732128	649481	1250193	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Anthracene	PHN	Ave	2617846	36230 149766 3639125	302401 4648144	651790	1242821	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Carbazole	PHN	Ave	2269715	120755 3194764	263008 4145479	545363	1072728	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	2893114	166153 4052747	321106 5209132	696360	1369463	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Fluoranthene	PHN	Ave	2871788	39470 166711 4160378	339739 5351448	731247	1420815	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzidine	CRY	Ave	2976638	178416 4109467	341595 5124677	732635	1399826	16.0	1.00 24.0	2.00 32.0	4.00	8.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			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
Pyrene	CRY	Ave	42632 2939679	176496 4252199	354305 5430525	742919	1452292	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	1265369	69365 1852815	145950 2390620	292851	610528	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1838128	96046 2646912	198249 3521521	423969	874271	8.00	0.500 12.0	1.00 16.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	2540457	137739 3566160	274452 4629106	593272	1180748	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzo[a]anthracene	CRY	Ave	44751 2920351	176853 4240843	348361 5506391	723451	1446948	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Chrysene	CRY	Ave	42303 2749327	175663 4047915	330152 5232804	680658	1364795	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-octyl phthalate	CRY	Lin2	3068002	156821 4509378	324184 5911293	712644	1465452	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	40216 3201078	178364 4629404	358299 6037366	770205	1522140	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	45763 3188785	185240 4453375	354292 5801832	794544	1530452	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	38577 3050622	170267 4480264	337470 5759777	725977	1475570	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Lin2	45040 3684551	193213 5431346	398941 7174476	862450	1755670	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	39416 3210630	175600 4746556	342939 6371487	768765	1524987	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	42337 3213526	172364 4716621	349461 6185186	746819	1533265	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	687108	40464 1006962	79019 1296057	161144	333707	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	783563	43532 1140227	95561 1512505	188920	388473	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	745961	44407 1098363	89536 1399130	180946	361468	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	1869180	109472 2713182	214126 3421349	468639	888587	8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,6-Tribromophenol (Surr)	PHN	Lin2	409543	19385 612360	40421 789770	90137	185782	8.00	0.500 12.0	1.00 16.0	2.00	4.00
p-Terphenyl-d14 (Surr)	CRY	Ave	2520141	155683 3684474	299788 4782100	637984	1244196	8.00	0.500 12.0	1.00 16.0	2.00	4.00

Curve Type Legend

Ave = Average ISTD

Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604656/3	Y02826636.D
Level 2	IC 480-604656/4	Y02826637.D
Level 3	IC 480-604656/5	Y02826638.D
Level 4	IC 480-604656/6	Y02826639.D
Level 5	ICIS 480-604656/7	Y02826640.D
Level 6	IC 480-604656/8	Y02826641.D
Level 7	IC 480-604656/9	Y02826642.D
Level 8	IC 480-604656/10	Y02826643.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
1,4-Dioxane	1.8	-4.6 -3.6	-0.9	4.3	1.3	1.6	30	30	30	30	30	30
N-Nitrosodimethylamine	0.5	-0.3 -0.2	-1.6	-1.4	3.2	-0.1	30	30	30	30	30	30
Pyridine	2.9	-6.5 1.0	-2.5	3.3	2.2	-0.3	30	30	30	30	30	30
Benzaldehyde	-2.7	-1.8 -7.8	-1.1	10.3	-0.3	3.5	30	30	30	30	30	30
Phenol	1.5	-0.4 -1.6	-3.6	2.6	1.5	0.0	30	30	30	30	30	30
Aniline	5.4	-4.9 4.0	-2.3	1.7	0.3	-4.1	30	30	30	30	30	30
Bis(2-chloroethyl) ether	-12.0	6.7 -12.3	2.4	2.8	4.7	7.6	30	30	30	30	30	30
2-Chlorophenol	1.3	-3.5 -0.8	-3.8	2.8	0.4	3.5	30	30	30	30	30	30
n-Decane	-0.7	5.6 -2.0	-2.6	0.7	1.5	-2.4	30	30	30	30	30	30
1,3-Dichlorobenzene	0.4	-1.4 -2.6	1.6	3.3	-1.5	0.1	30	30	30	30	30	30
1,4-Dichlorobenzene	-1.1	-1.2 -0.7	1.5	0.8	0.7	0.2	30	30	30	30	30	30
Benzyl alcohol	4.5	0.3 -10.2	-2.5	2.5	2.1	3.3	30	30	30	30	30	30
1,2-Dichlorobenzene	-0.7	3.7 -4.8	2.3	-0.5	-0.6	0.7	30	30	30	30	30	30
2-Methylphenol	0.9	-5.0 0.7	0.7	0.6	-0.4	2.5	30	30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
bis (2-chloroisopropyl) ether	-1.0	0.8 -2.6	3.4	1.3	-0.2	-1.7	30	30 30	30	30	30	30
Indene	-7.3	2.9 ++++	0.8	4.9	1.2	-2.5	30	30	30	30	30	30
4-Methylphenol	2.5	-5.0 0.9	-3.1	1.4	1.3	2.1	30	30 30	30	30	30	30
N-Nitrosodi-n-propylamine	-4.8	1.2 -6.3	1.2	11.1	3.1	-5.6	30	30 30	30	30	30	30
Acetophenone	4.0	2.7 -6.1	0.9	5.7	3.1	-10.4	30	30 30	30	30	30	30
Hexachloroethane	0.2	2.8 -1.1	-0.8	-1.8	1.0	-0.2	30	30 30	30	30	30	30
Nitrobenzene	1.7	-3.1 -9.2	3.1	2.7	4.4	0.4	30	30 30	30	30	30	30
Isophorone	-0.3	-0.2 -6.7	-2.2	4.7	1.6	3.2	30	30 30	30	30	30	30
2-Nitrophenol	0.2	2.3 2.2	-4.0	-1.5	-0.3	1.1	30	30 30	30	30	30	30
2,4-Dimethylphenol	5.6	-0.8 -3.9	2.2	-3.5	6.6	-6.2	30	30 30	30	30	30	30
Bis (2-chloroethoxy) methane	4.9	7.9 0.2	-7.7	-6.5	7.2	-6.0	30	30 30	30	30	30	30
Benzoic acid	2.5	++++ 6.8	3.8	-5.8	-4.7	-2.6	30	30	30	30	30	30
2,4-Dichlorophenol	1.4	-5.3 -2.0	-1.9	1.0	3.9	2.9	30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	-2.3	4.8 -7.7	1.2	0.5	0.5	2.9	30	30 30	30	30	30	30
Naphthalene	-1.6 -2.0	5.6 -3.6	1.3	0.6	1.4	-1.7	30 30	30 30	30	30	30	30
4-Chloroaniline	-2.4	-3.7 -3.7	-1.0	4.5	6.5	-0.1	30	30 30	30	30	30	30
2,6-Dichlorophenol	-0.5	-1.2 5.8	-6.6	1.3	-0.4	1.5	30	30 30	30	30	30	30
Hexachlorobutadiene	-0.9	2.7 1.9	-5.7	-0.2	1.9	0.3	30	30 30	30	30	30	30
Caprolactam	0.8	1.6 2.7	-1.7	-3.6	0.8	-0.6	30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
4-Chloro-3-methylphenol	5.6	-4.4 -0.9	-8.4	-0.2	2.1	6.2	30	30	30	30	30	30
2-Methylnaphthalene	10.2 -2.5	-5.8 -6.3	0.0	3.6	1.5	-0.7	30 30	30 30	30	30	30	30
1-Methylnaphthalene	-5.8 -2.2	1.8 1.7	-0.8	4.5	0.1	0.7	30 30	30 30	30	30	30	30
Hexachlorocyclopentadiene	2.9	4.3 -0.1	-8.8	-0.4	-0.6	2.8	30	30 30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	-1.4	3.7 -2.4	-1.2	3.4	-1.1	-1.1	30	30 30	30	30	30	30
2,4,6-Trichlorophenol	0.9	1.1 -0.2	-2.9	2.2	-2.6	1.6	30	30 30	30	30	30	30
2,4,5-Trichlorophenol	-4.3	-0.7 -0.5	-0.4	3.1	1.9	0.9	30	30 30	30	30	30	30
Biphenyl	-2.2	4.4 -9.7	1.1	6.0	1.0	-0.6	30	30 30	30	30	30	30
2-Chloronaphthalene	-5.4	4.5 -6.1	-0.8	3.1	1.1	3.5	30	30 30	30	30	30	30
2-Nitroaniline	-4.6	-0.1 -2.8	-3.6	7.5	0.9	2.7	30	30 30	30	30	30	30
Dimethyl phthalate	-3.6	2.6 -3.3	-2.7	5.3	3.8	-2.0	30	30 30	30	30	30	30
1,3-Dinitrobenzene	-0.9	1.9 4.8	-3.9	0.5	-0.2	-2.1	30	30 30	30	30	30	30
2,6-Dinitrotoluene	-2.7	-2.1 1.4	4.6	0.8	-2.7	0.7	30	30 30	30	30	30	30
Acenaphthylene	2.8 -1.1	0.1 -8.9	2.9	2.4	1.5	0.3	30 30	30 30	30	30	30	30
3-Nitroaniline	0.7	-0.5 -6.1	-3.0	8.9	-0.8	0.7	30	30 30	30	30	30	30
2,4-Dinitrophenol	4.4	7.1 8.6	-9.6	-9.6	-4.1	3.2	30	30 30	30	30	30	30
Acenaphthene	8.9 -3.5	1.7 -9.5	2.0	4.5	-1.6	-2.6	30 30	30 30	30	30	30	30
4-Nitrophenol	1.6	2.1 -0.6	-4.4	0.0	-0.6	1.9	30	30 30	30	30	30	30
2,4-Dinitrotoluene	-1.3	-2.0 -2.3	3.5	0.9	0.5	0.7	30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
Dibenzofuran	-1.7	4.9 -2.6	0.2	3.1	-2.0	-1.8	30	30 30	30	30	30	30
2,3,4,6-Tetrachlorophenol	6.2	3.2 0.4	-4.7	-4.1	-0.8	-0.2	30	30 30	30	30	30	30
Hexadecane	0.9	5.5 -3.8	-1.9	2.1	-4.1	1.3	30	30 30	30	30	30	30
Diethyl phthalate	-4.3	5.2 -6.6	2.4	3.9	4.6	-5.2	30	30 30	30	30	30	30
4-Chlorophenyl phenyl ether	-1.5	-2.0 -4.2	1.1	1.8	1.7	3.1	30	30 30	30	30	30	30
4-Nitroaniline	-1.2	1.1 -0.1	-2.4	-0.6	1.9	1.2	30	30 30	30	30	30	30
Fluorene	0.4 2.1	4.2 -7.0	-4.2	4.1	0.0	0.3	30 30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	3.1	4.2 -0.3	-6.4	-5.6	-0.5	5.4	30	30 30	30	30	30	30
Diphenylamine	-1.2	-2.4 -5.1	-0.1	2.7	2.6	3.6	30	30 30	30	30	30	30
N-Nitrosodiphenylamine	-1.2	-2.4 -5.1	-0.1	2.7	2.6	3.6	30	30 30	30	30	30	30
1,2-Diphenylhydrazine	-2.1	1.6 -5.1	-0.1	2.4	1.3	2.1	30	30 30	30	30	30	30
trans-Azobenzene	-2.1	1.6 -5.1	-0.1	2.4	1.3	2.1	30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	-1.3	0.6 1.9	-4.1	1.3	0.8	0.8	30	30 30	30	30	30	30
Hexachlorobenzene	2.4	-0.3 0.6	-3.0	0.9	-2.2	1.5	30	30 30	30	30	30	30
Atrazine	-5.0	4.4 -5.7	2.2	3.6	4.0	-3.6	30	30 30	30	30	30	30
n-Octadecane	-1.8	1.0 -0.4	-1.4	1.2	-1.4	2.9	30	30 30	30	30	30	30
Pentachlorophenol	2.3	5.0 7.5	-6.1	-6.8	-6.5	4.6	30	30 30	30	30	30	30
Phenanthrene	5.6 -4.2	2.8 -5.3	-0.3	2.3	0.5	-1.4	30 30	30 30	30	30	30	30
Anthracene	1.1 -4.5	-0.5 -6.1	2.6	3.6	0.9	2.8	30 30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
Carbazole	-2.2	-6.4 -2.3	4.1	1.2	1.6	4.0	30	30 30	30	30	30	30
Di-n-butyl phthalate	-2.8	0.8 -3.9	-0.5	1.1	1.5	3.8	30	30 30	30	30	30	30
Fluoranthene	-1.9 -2.7	-1.3 -3.7	2.7	3.6	2.8	0.5	30 30	30 30	30	30	30	30
Benzidine	-4.0	2.8 -7.8	2.8	3.3	1.5	1.3	30	30 30	30	30	30	30
Pyrene	0.0 -2.9	-0.5 -4.4	4.3	2.4	3.1	-2.1	30 30	30 30	30	30	30	30
Butyl benzyl phthalate	1.3	-6.3 0.8	2.9	-3.3	3.7	0.9	30	30 30	30	30	30	30
Bis(2-ethylhexyl) phthalate	1.6	-9.0 4.1	-1.9	-1.8	4.2	2.8	30	30 30	30	30	30	30
3,3'-Dichlorobenzidine	-0.2	-4.9 -0.2	-1.0	0.2	2.6	3.6	30	30 30	30	30	30	30
Benzo[a]anthracene	4.9 -3.2	-0.4 -3.2	2.5	-0.3	2.6	-2.9	30 30	30 30	30	30	30	30
Chrysene	4.2 -3.0	3.9 -3.3	2.0	-1.5	1.6	-3.9	30 30	30 30	30	30	30	30
Di-n-octyl phthalate	-0.2	0.4 0.6	-0.5	-1.6	2.0	-0.7	30	30 30	30	30	30	30
Benzo[b]fluoranthene	-7.1 -0.2	-3.1 1.4	1.1	1.6	2.4	3.9	30 30	30 30	30	30	30	30
Benzo[k]fluoranthene	4.3 -5.3	-0.7 -3.9	-1.4	3.4	1.5	2.1	30 30	30 30	30	30	30	30
Benzo[a]pyrene	-6.7 1.1	-3.2 1.3	-0.3	0.3	3.9	3.7	30 30	30 30	30	30	30	30
Indeno[1,2,3-cd]pyrene	1.9 0.5	-6.8 3.4	-1.8	-1.6	1.7	2.8	30 30	30 30	30	30	30	30
Dibenz(a,h)anthracene	-9.0 2.2	-4.7 6.9	-3.3	1.3	2.5	4.1	30 30	30 30	30	30	30	30
Benzo[g,h,i]perylene	-2.4 1.4	-6.6 3.7	-1.6	-1.7	2.9	4.1	30 30	30 30	30	30	30	30
2-Fluorophenol (Surr)	2.9	-0.8 0.0	-4.2	-2.2	1.0	3.4	30	30 30	30	30	30	30
Phenol-d5 (Surr)	1.2	-7.3 1.4	0.6	-0.4	2.1	2.4	30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Nitrobenzene-d5 (Surr)	-0.3	0.3 0.3	0.5	-1.6	0.6	0.1	30	30 30	30	30	30	30
2-Fluorobiphenyl	-0.3	-0.7 -3.1	0.0	4.2	-0.4	0.3	30	30 30	30	30	30	30
2,4,6-Tribromophenol (Surr)	2.4	2.4 1.5	-2.9	-4.2	-2.1	2.9	30	30 30	30	30	30	30
p-Terphenyl-d14 (Surr)	-2.5	1.6 -2.5	2.2	1.8	2.2	-2.8	30	30 30	30	30	30	30

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826636.D
 Lims ID: IC - List 1 - 0.125
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 12-Nov-2021 11:23:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-003
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:19 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:14:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.625	6.624	0.001	93	303787	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.716	-0.001	98	1081856	4.00	4.00	
* 3 Acenaphthene-d10	164	9.205	9.206	-0.001	93	637904	4.00	4.00	
* 4 Phenanthrene-d10	188	10.467	10.469	-0.002	94	1113069	4.00	4.00	
* 5 Chrysene-d12	240	13.245	13.247	-0.002	97	1128095	4.00	4.00	
* 6 Perylene-d12	264	15.518	15.517	0.001	98	1198958	4.00	4.00	
74 Naphthalene	128	7.735	7.733	0.002	91	35072	0.1250	0.1231	
87 2-Methylnaphthalene	142	8.314	8.312	0.002	97	26345	0.1250	0.1377	
89 1-Methylnaphthalene	142	8.402	8.403	-0.001	91	20582	0.1250	0.1177	
108 Acenaphthylene	152	9.088	9.087	0.001	96	36016	0.1250	0.1285	
110 Acenaphthene	153	9.233	9.232	0.001	93	25412	0.1250	0.1362	
124 Fluorene	166	9.664	9.666	-0.002	89	25230	0.1250	0.1255	
151 Phenanthrene	178	10.487	10.489	-0.002	94	38211	0.1250	0.1319	
152 Anthracene	178	10.533	10.531	0.002	94	36230	0.1250	0.1263	
164 Fluoranthene	202	11.546	11.544	0.002	97	39470	0.1250	0.1226	
167 Pyrene	202	11.781	11.785	-0.004	99	42632	0.1250	0.1251	
180 Benzo[a]anthracene	228	13.228	13.230	-0.002	96	44751	0.1250	0.1311	
182 Chrysene	228	13.285	13.281	0.004	95	42303	0.1250	0.1302	
186 Benzo[b]fluoranthene	252	14.880	14.878	0.002	95	40216	0.1250	0.1162	
187 Benzo[k]fluoranthene	252	14.925	14.918	0.007	97	45763	0.1250	0.1304	
189 Benzo[a]pyrene	252	15.422	15.420	0.002	77	38577	0.1250	0.1166	
193 Indeno[1,2,3-cd]pyrene	276	17.422	17.421	0.001	94	45040	0.1250	0.1274	
194 Dibenz(a,h)anthracene	278	17.437	17.424	0.013	83	39416	0.1250	0.1137	a
195 Benzo[g,h,i]perylene	276	17.984	17.986	-0.002	95	42337	0.1250	0.1220	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00508

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 09:57:19

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826636.D

Injection Date: 12-Nov-2021 11:23:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 0.125

Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul

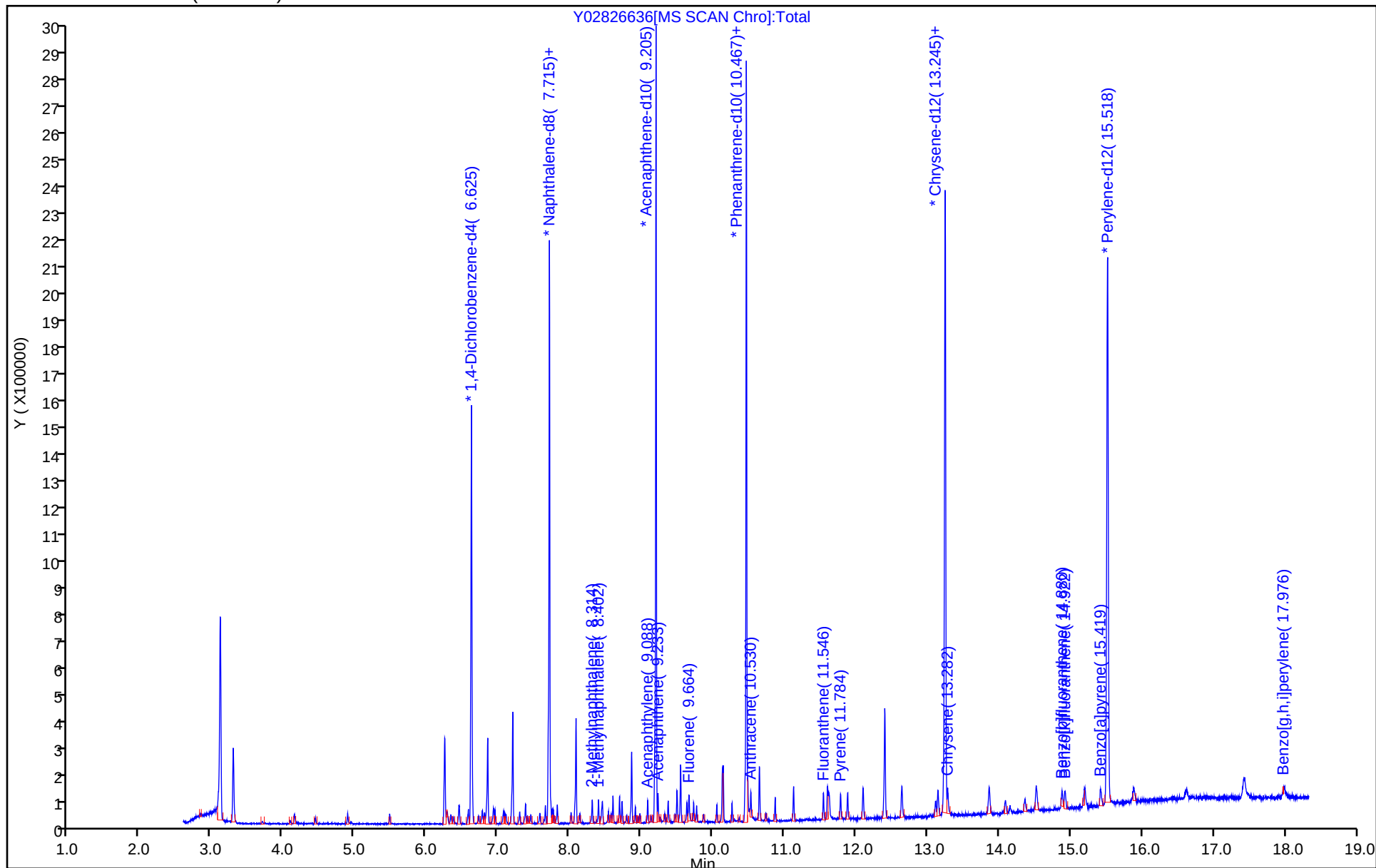
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826636.D

Injection Date: 12-Nov-2021 11:23:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 0.125

Client ID:

Operator ID: JM

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

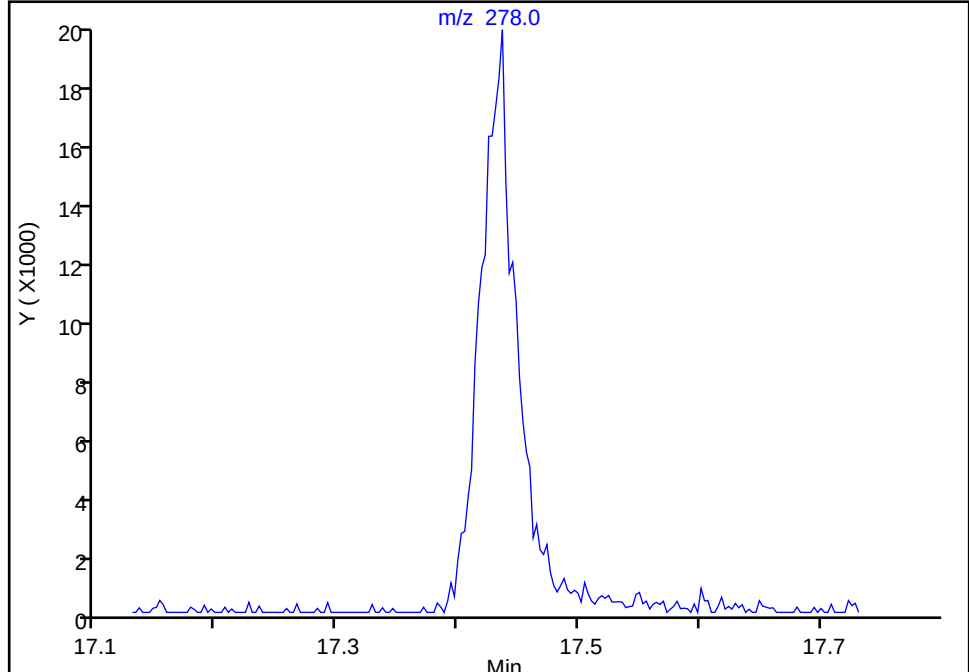
194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

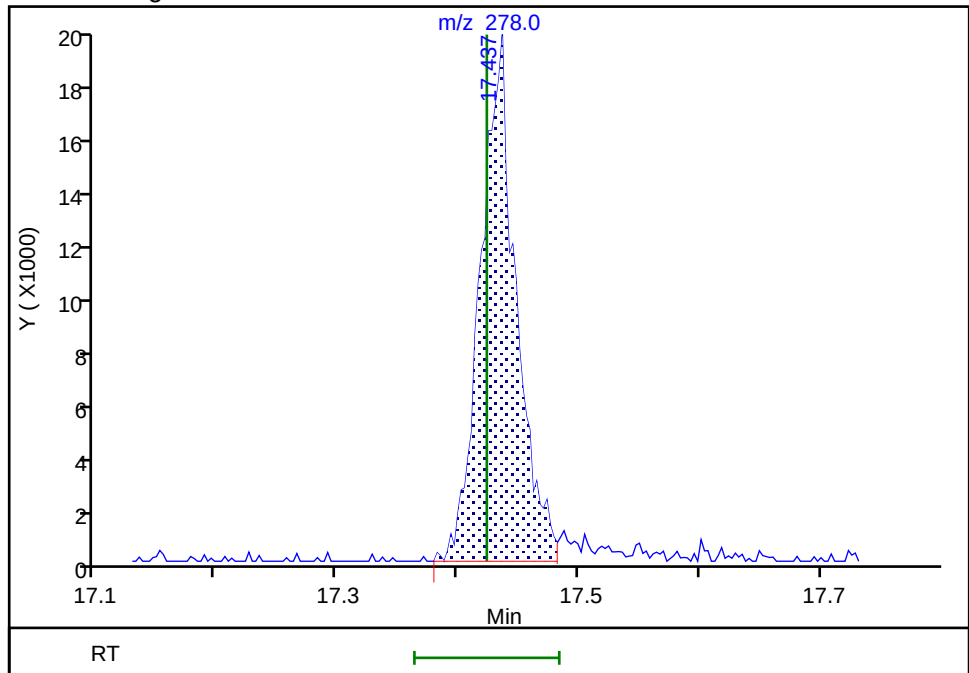
Not Detected

Expected RT: 17.42

Processing Integration Results



Manual Integration Results



RT: 17.44

Area: 39416

Amount: 0.113734

Amount Units: ng/uL

Reviewer: marshallj, 12-Nov-2021 15:20:58

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826636.D

Injection Date: 12-Nov-2021 11:23:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 0.125

Client ID:

Operator ID: JM

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

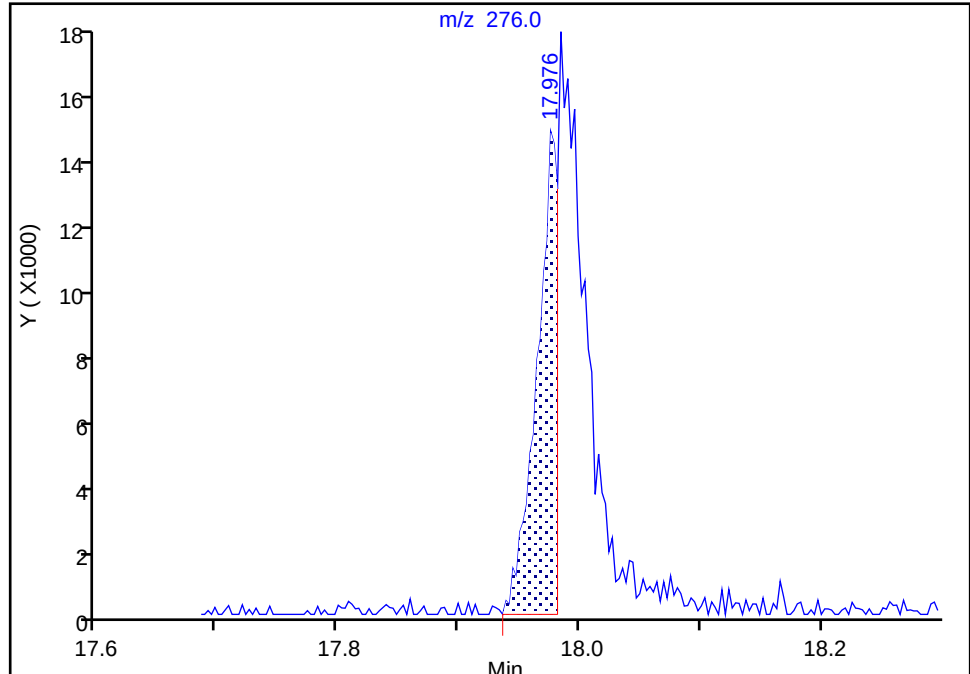
MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

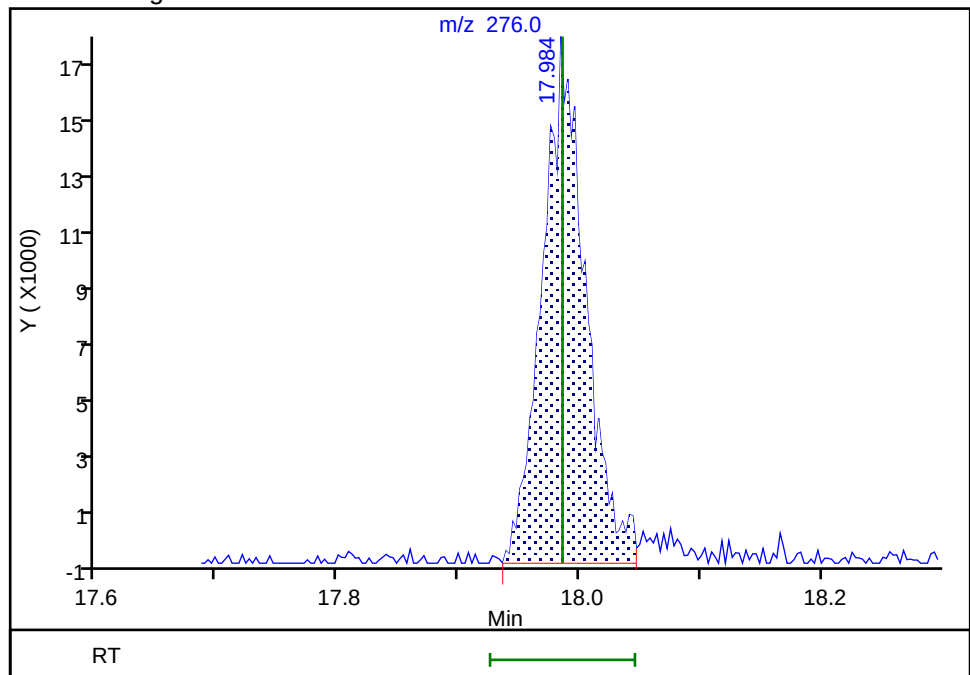
RT: 17.98
Area: 16886
Amount: 0.053437
Amount Units: ng/uL

Processing Integration Results



RT: 17.98
Area: 42337
Amount: 0.122039
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:21:21

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826637.D
 Lims ID: IC - List 1 - 0.50
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 12-Nov-2021 11:50:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-004
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:23 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:16:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.625	6.624	0.001	93	304337	4.00	4.00	
* 2 Naphthalene-d8	136	7.717	7.716	0.001	99	1074791	4.00	4.00	
* 3 Acenaphthene-d10	164	9.207	9.206	0.001	91	650435	4.00	4.00	
* 4 Phenanthrene-d10	188	10.470	10.469	0.001	94	1168112	4.00	4.00	
* 5 Chrysene-d12	240	13.248	13.247	0.001	97	1173811	4.00	4.00	
* 6 Perylene-d12	264	15.518	15.517	0.001	99	1275012	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.481	5.480	0.001	89	40464	0.5000	0.4959	
\$ 8 Phenol-d5	99	6.278	6.280	-0.002	0	43532	0.5000	0.4634	
\$ 9 Nitrobenzene-d5	82	7.090	7.092	-0.002	87	44407	0.5000	0.5016	
\$ 10 2-Fluorobiphenyl	172	8.605	8.604	0.001	99	109472	0.5000	0.4966	
\$ 11 2,4,6-Tribromophenol	330	9.868	9.870	-0.002	87	19385	0.5000	0.5121	
\$ 12 p-Terphenyl-d14	244	11.883	11.882	0.001	96	155683	0.5000	0.5082	
13 1,4-Dioxane	88	3.696	3.698	-0.002	92	13356	0.5000	0.4770	
14 N-Nitrosodimethylamine	42	4.088	4.087	0.001	87	16629	0.5000	0.4983	
15 Pyridine	52	4.139	4.141	-0.002	96	33572	1.00	0.9345	
35 Benzaldehyde	77	6.250	6.249	0.001	46	57507	1.00	0.9815	a
37 Phenol	94	6.290	6.292	-0.002	96	47857	0.5000	0.4979	
36 Aniline	93	6.341	6.337	0.004	99	55881	0.5000	0.4755	
39 Bis(2-chloroethyl)ether	93	6.372	6.371	0.001	97	36295	0.5000	0.5337	
40 2-Chlorophenol	128	6.452	6.451	0.001	93	45126	0.5000	0.4826	
41 n-Decane	57	6.454	6.454	0.000	88	33226	0.5000	0.5279	
43 1,3-Dichlorobenzene	146	6.582	6.578	0.004	98	55542	0.5000	0.4932	
44 1,4-Dichlorobenzene	146	6.639	6.641	-0.002	95	56247	0.5000	0.4938	a
45 Benzyl alcohol	108	6.724	6.726	-0.002	94	24157	0.5000	0.5015	
46 1,2-Dichlorobenzene	146	6.775	6.777	-0.002	98	56332	0.5000	0.5183	
48 2-Methylphenol	108	6.806	6.808	-0.002	94	36681	0.5000	0.4749	
49 2,2'-oxybis[1-chloropropane]	45	6.829	6.831	-0.002	82	32960	0.5000	0.5039	
47 Indene	115	6.852	6.851	0.001	89	410135	2.50	2.57	
57 4-Methylphenol	108	6.931	6.930	0.001	96	38106	0.5000	0.4749	
53 N-Nitrosodi-n-propylamine	70	6.940	6.939	0.001	82	22834	0.5000	0.5059	
52 Acetophenone	105	6.954	6.953	0.001	96	56519	0.5000	0.5137	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.070	7.075	-0.005	89	21141	0.5000	0.5138	
59 Nitrobenzene	77	7.107	7.106	0.001	86	36721	0.5000	0.4845	
62 Isophorone	82	7.300	7.299	0.001	99	65227	0.5000	0.4988	
64 2-Nitrophenol	139	7.379	7.381	-0.002	89	23452	0.5000	0.5114	
66 2,4-Dimethylphenol	107	7.382	7.381	0.001	92	41390	0.5000	0.4961	
70 Benzoic acid	105	7.422	7.421	0.001	84	51066	2.50	3.51	
69 Bis(2-chloroethoxy)methane	93	7.456	7.455	0.001	97	42423	0.5000	0.5396	
72 2,4-Dichlorophenol	162	7.584	7.583	0.001	89	37843	0.5000	0.4733	
73 1,2,4-Trichlorobenzene	180	7.657	7.659	-0.002	92	47435	0.5000	0.5240	
74 Naphthalene	128	7.734	7.733	0.001	95	143547	0.5000	0.5278	
76 4-Chloroaniline	127	7.757	7.756	0.001	97	46321	0.5000	0.4813	
77 2,6-Dichlorophenol	162	7.771	7.770	0.001	96	39903	0.5000	0.4941	
79 Hexachlorobutadiene	225	7.825	7.827	-0.002	93	32089	0.5000	0.5136	
84 Caprolactam	113	8.024	8.023	0.001	85	20724	1.00	1.02	
85 4-Chloro-3-methylphenol	107	8.140	8.139	0.001	95	32647	0.5000	0.4778	
87 2-Methylnaphthalene	142	8.313	8.312	0.001	92	89507	0.5000	0.4710	
89 1-Methylnaphthalene	142	8.401	8.403	-0.002	91	88378	0.5000	0.5089	
90 Hexachlorocyclopentadiene	237	8.446	8.446	0.000	92	29447	0.5000	0.5216	
91 1,2,4,5-Tetrachlorobenzene	216	8.458	8.457	0.001	94	54718	0.5000	0.5186	
93 2,4,6-Trichlorophenol	196	8.540	8.539	0.001	90	28215	0.5000	0.5056	
94 2,4,5-Trichlorophenol	196	8.577	8.576	0.001	93	27608	0.5000	0.4966	
96 1,1'-Biphenyl	154	8.696	8.695	0.001	94	120654	0.5000	0.5219	
97 2-Chloronaphthalene	162	8.730	8.729	0.001	95	91234	0.5000	0.5225	
100 2-Nitroaniline	65	8.793	8.795	-0.002	91	14999	0.5000	0.4997	
105 Dimethyl phthalate	163	8.917	8.917	0.000	100	99436	0.5000	0.5131	
107 2,6-Dinitrotoluene	165	8.980	8.917	0.063	93	22074	0.5000	0.4893	
106 1,3-Dinitrobenzene	168	8.963	8.959	0.004	92	12092	0.5000	0.5094	
108 Acenaphthylene	152	9.088	9.087	0.001	97	143066	0.5000	0.5005	
109 3-Nitroaniline	138	9.136	9.135	0.001	91	19692	0.5000	0.4973	
111 2,4-Dinitrophenol	184	9.224	9.220	0.004	80	9205	1.00	1.07	
110 Acenaphthene	153	9.232	9.232	0.000	94	96761	0.5000	0.5086	
112 4-Nitrophenol	109	9.249	9.251	-0.002	81	14165	1.00	1.02	
114 2,4-Dinitrotoluene	165	9.326	9.325	0.001	94	26880	0.5000	0.4902	
115 Dibenzofuran	168	9.374	9.376	-0.002	97	137351	0.5000	0.5243	
118 2,3,4,6-Tetrachlorophenol	232	9.471	9.470	0.001	68	20960	0.5000	0.5161	
121 Hexadecane	57	9.496	9.495	0.001	98	39938	0.5000	0.5276	
120 Diethyl phthalate	149	9.502	9.501	0.001	98	103235	0.5000	0.5258	
123 4-Chlorophenyl phenyl ether	204	9.638	9.637	0.001	87	53214	0.5000	0.4902	
126 4-Nitroaniline	138	9.655	9.654	0.001	91	24778	0.5000	0.5053	
124 Fluorene	166	9.667	9.666	0.000	94	106842	0.5000	0.5212	
127 4,6-Dinitro-2-methylphenol	198	9.675	9.677	-0.002	94	23277	1.00	1.04	
130 N-Nitrosodiphenylamine	169	9.732	9.731	0.001	60	71547	0.5000	0.4878	
129 Diphenylamine	169	9.732	9.731	0.001	93	71547	0.4275	0.4171	
131 1,2-Diphenylhydrazine	77	9.772	9.774	-0.002	41	75153	0.5000	0.5081	
132 Azobenzene	77	9.772	9.774	-0.002	97	75153	0.5000	0.5081	
139 4-Bromophenyl phenyl ether	248	10.055	10.052	0.003	59	37290	0.5000	0.5029	
140 Hexachlorobenzene	284	10.143	10.142	0.001	89	46147	0.5000	0.4987	
143 Atrazine	200	10.146	10.148	-0.002	94	63814	1.00	1.04	
148 n-Octadecane	57	10.268	10.267	0.001	96	39267	0.5000	0.5049	
145 Pentachlorophenol	266	10.296	10.296	0.000	92	17402	1.00	1.05	
151 Phenanthrene	178	10.487	10.489	-0.002	95	156289	0.5000	0.5142	
152 Anthracene	178	10.532	10.531	0.001	96	149766	0.5000	0.4977	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.648	10.647	0.001	96	120755	0.5000	0.4681	
157 Di-n-butyl phthalate	149	10.870	10.869	0.001	99	166153	0.5000	0.5042	
164 Fluoranthene	202	11.545	11.544	0.001	97	166711	0.5000	0.4936	
166 Benzidine	184	11.627	11.626	0.001	98	178416	1.00	1.03	
167 Pyrene	202	11.786	11.785	0.001	97	176496	0.5000	0.4976	
174 Butyl benzyl phthalate	149	12.388	12.390	-0.002	94	69365	0.5000	0.4683	
181 Bis(2-ethylhexyl) phthalate	149	13.114	13.111	0.003	93	96046	0.5000	0.4549	
179 3,3'-Dichlorobenzidine	252	13.148	13.145	0.003	72	137739	1.00	0.9511	
180 Benzo[a]anthracene	228	13.231	13.230	0.001	96	176853	0.5000	0.4981	
182 Chrysene	228	13.282	13.281	0.001	95	175663	0.5000	0.5197	
184 Di-n-octyl phthalate	149	14.090	14.087	0.003	98	156821	0.5000	0.5021	
186 Benzo[b]fluoranthene	252	14.879	14.878	0.001	96	178364	0.5000	0.4844	
187 Benzo[k]fluoranthene	252	14.922	14.918	0.004	98	185240	0.5000	0.4963	
189 Benzo[a]pyrene	252	15.421	15.420	0.001	76	170267	0.5000	0.4841	
193 Indeno[1,2,3-cd]pyrene	276	17.416	17.421	-0.005	96	193213	0.5000	0.4659	
194 Dibenz(a,h)anthracene	278	17.427	17.424	0.003	90	175600	0.5000	0.4765	a
195 Benzo[g,h,i]perylene	276	17.989	17.986	0.003	96	172364	0.5000	0.4672	
S 261 Total Cresols	1				0			0.9498	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00509

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 09:57:24

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826637.D

Injection Date: 12-Nov-2021 11:50:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 0.50

Worklist Smp#: 4

Client ID:

Injection Vol: 2.0 ul

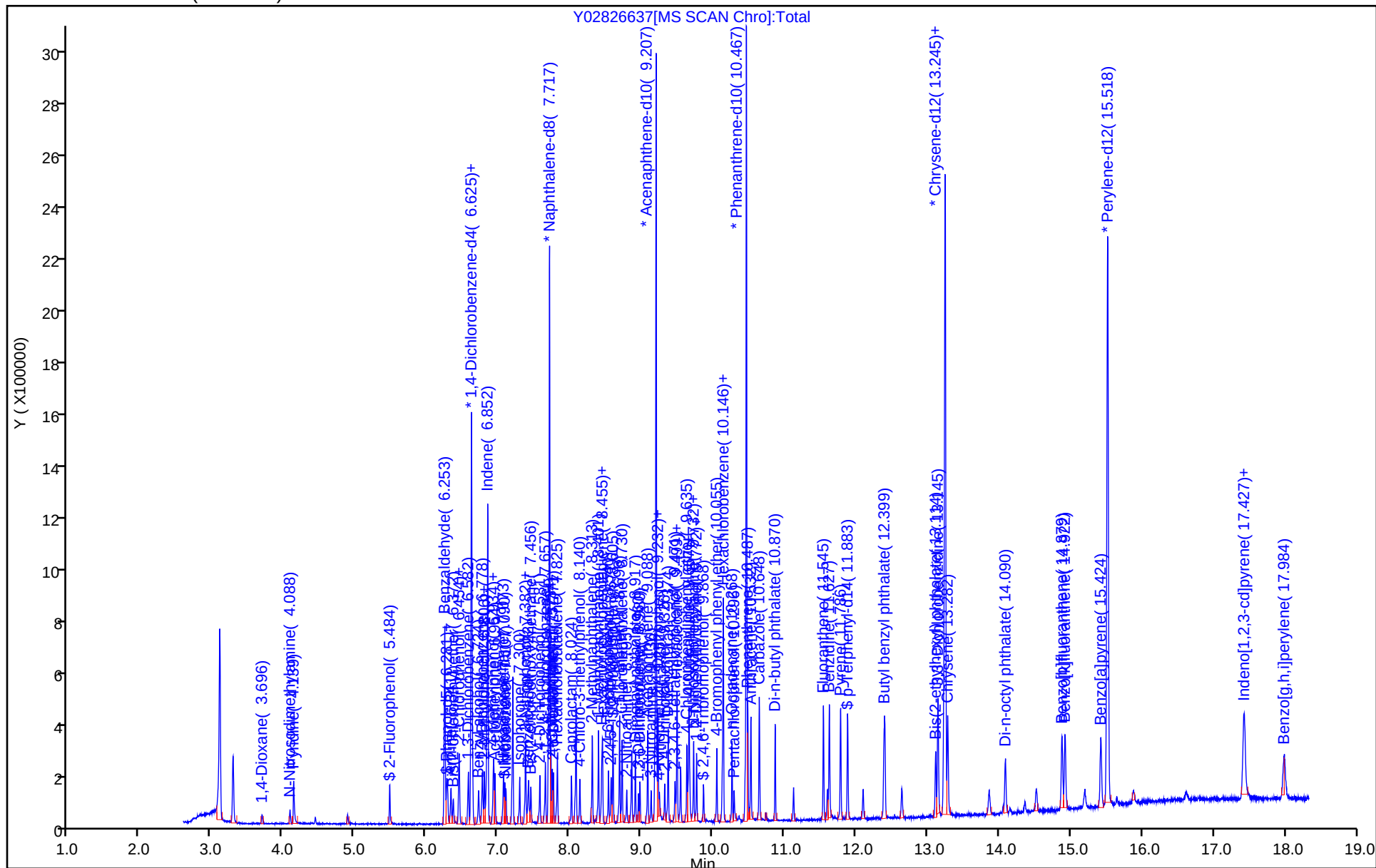
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826637.D

Injection Date: 12-Nov-2021 11:50:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 0.50

Client ID:

Operator ID: JM

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

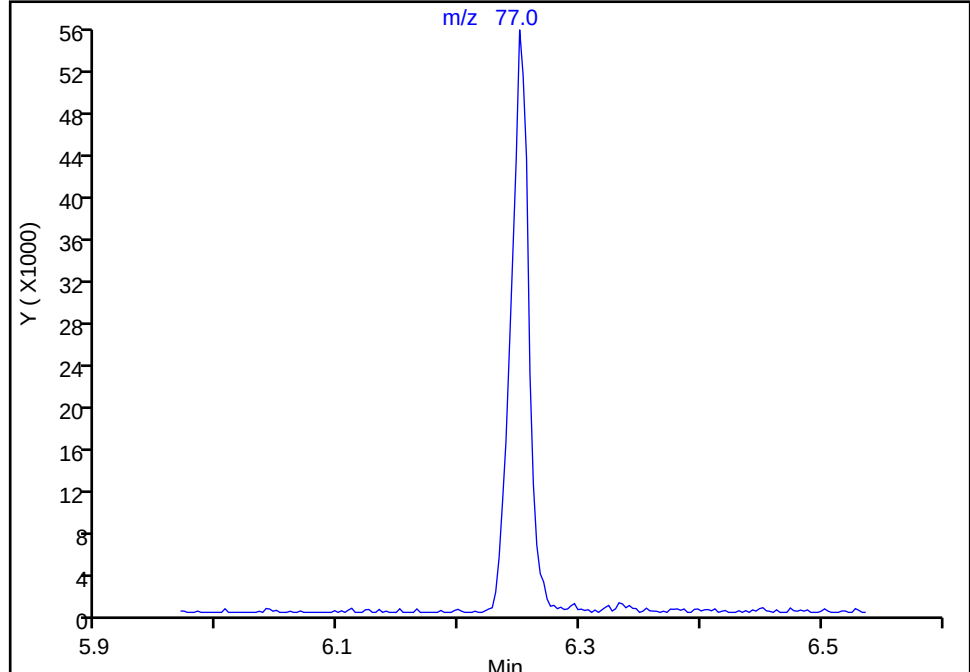
35 Benzaldehyde, CAS: 100-52-7

Signal: 1

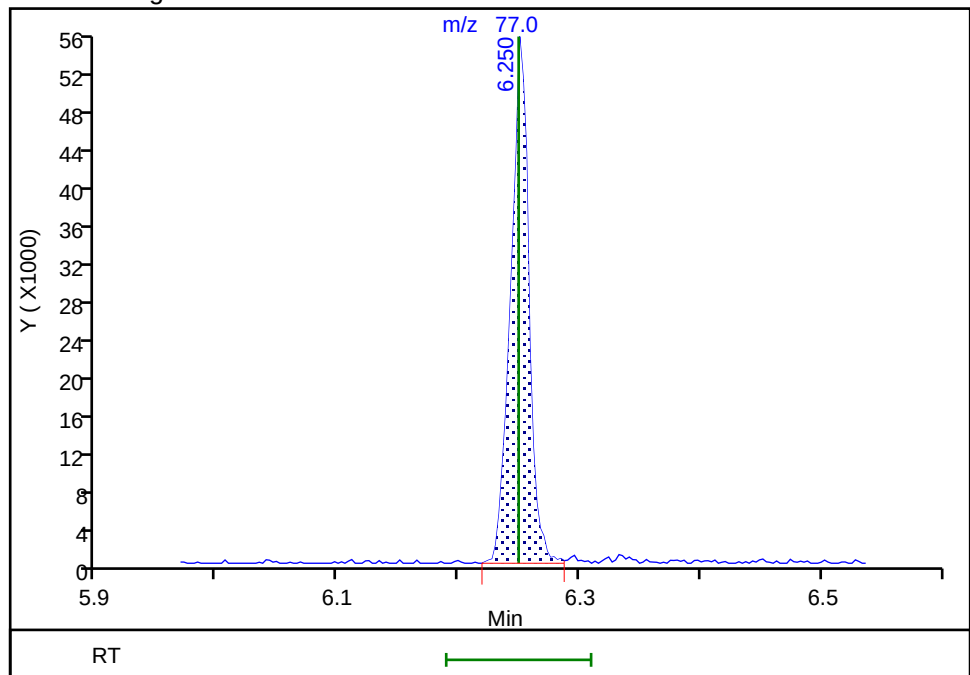
Not Detected

Expected RT: 6.25

Processing Integration Results



Manual Integration Results



RT: 6.25

Area: 57507

Amount: 0.981506

Amount Units: ng/uL

Reviewer: marshallj, 12-Nov-2021 15:21:55

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826637.D

Injection Date: 12-Nov-2021 11:50:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 0.50

Client ID:

Operator ID: JM

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

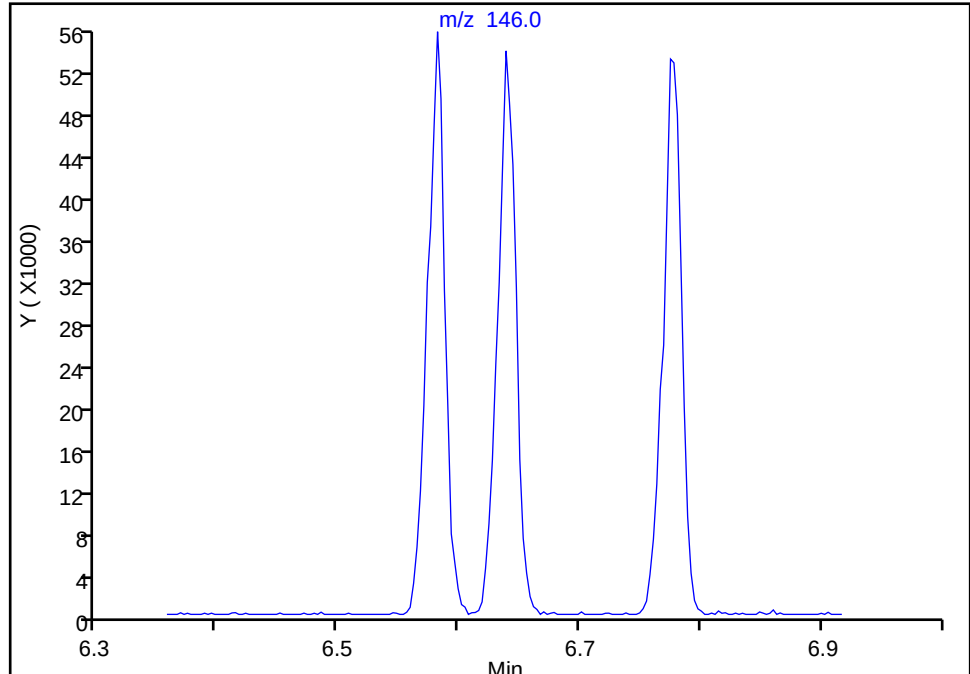
44 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

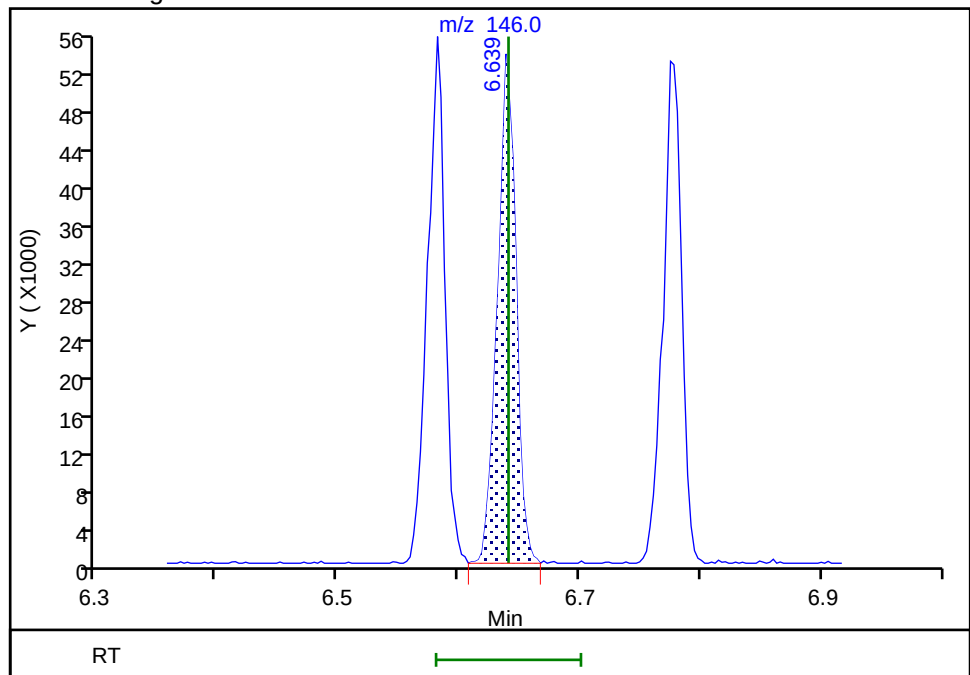
Not Detected

Expected RT: 6.64

Processing Integration Results



Manual Integration Results



RT: 6.64

Area: 56247

Amount: 0.493756

Amount Units: ng/uL

Reviewer: marshallj, 12-Nov-2021 15:22:22

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826637.D

Injection Date: 12-Nov-2021 11:50:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 0.50

Client ID:

Operator ID: JM

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

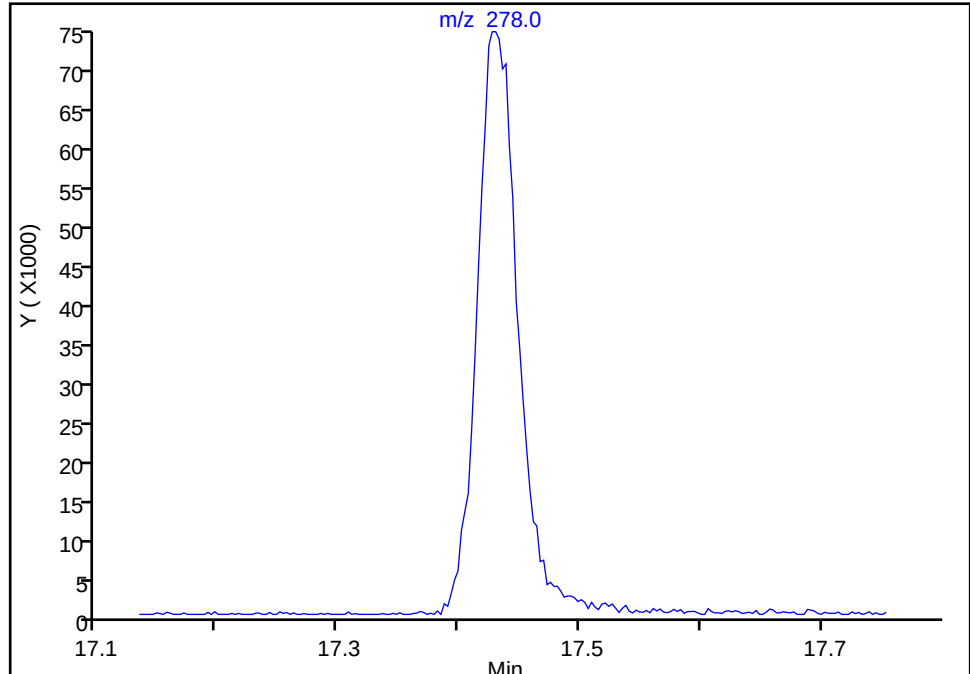
194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

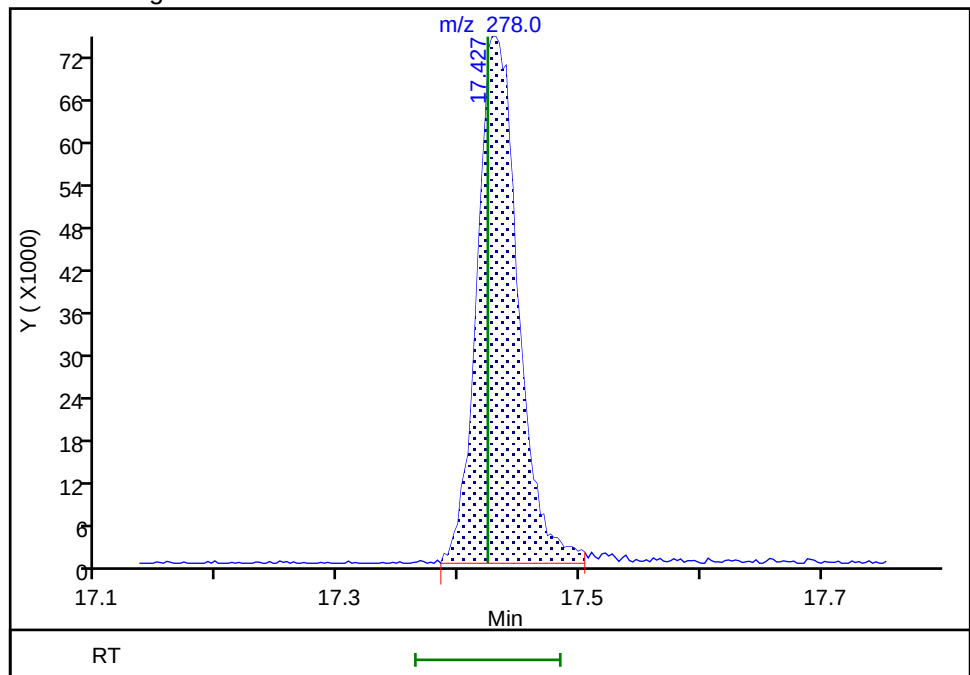
Not Detected

Expected RT: 17.42

Processing Integration Results



Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:24:06

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826638.D
 Lims ID: IC - List 1 - 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 12-Nov-2021 12:17:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-005
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:32 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:26:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.624	0.002	92	307771	4.00	4.00	
* 2 Naphthalene-d8	136	7.716	7.716	0.000	98	1082140	4.00	4.00	
* 3 Acenaphthene-d10	164	9.206	9.206	0.000	91	631835	4.00	4.00	
* 4 Phenanthrene-d10	188	10.469	10.469	0.000	94	1144410	4.00	4.00	
* 5 Chrysene-d12	240	13.247	13.247	0.000	97	1123662	4.00	4.00	
* 6 Perylene-d12	264	15.514	15.517	-0.003	98	1226787	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.480	5.480	0.000	90	79019	1.00	0.9576	
\$ 8 Phenol-d5	99	6.277	6.280	-0.003	0	95561	1.00	1.01	
\$ 9 Nitrobenzene-d5	82	7.092	7.092	0.000	86	89536	1.00	1.00	
\$ 10 2-Fluorobiphenyl	172	8.604	8.604	0.000	98	214126	1.00	1.00	
\$ 11 2,4,6-Tribromophenol	330	9.870	9.870	0.000	89	40421	1.00	0.9712	
\$ 12 p-Terphenyl-d14	244	11.882	11.882	0.000	96	299788	1.00	1.02	
13 1,4-Dioxane	88	3.698	3.698	0.000	89	28071	1.00	0.99	
14 N-Nitrosodimethylamine	42	4.090	4.087	0.003	91	33198	1.00	0.9836	
15 Pyridine	52	4.135	4.141	-0.006	95	70839	2.00	1.95	
35 Benzaldehyde	77	6.252	6.249	0.003	93	110960	2.00	1.98	
37 Phenol	94	6.292	6.292	0.000	98	93705	1.00	0.9640	
36 Aniline	93	6.340	6.337	0.003	98	116106	1.00	0.9769	
39 Bis(2-chloroethyl)ether	93	6.368	6.371	-0.003	95	70414	1.00	1.02	
40 2-Chlorophenol	128	6.453	6.451	0.002	94	90943	1.00	0.9618	
41 n-Decane	57	6.456	6.454	0.002	87	61985	1.00	0.9739	
43 1,3-Dichlorobenzene	146	6.584	6.578	0.006	97	115748	1.00	1.02	
44 1,4-Dichlorobenzene	146	6.641	6.641	0.000	97	116906	1.00	1.01	
45 Benzyl alcohol	108	6.726	6.726	0.000	95	49893	1.00	0.9746	
46 1,2-Dichlorobenzene	146	6.777	6.777	0.000	98	112427	1.00	1.02	
48 2-Methylphenol	108	6.808	6.808	0.000	92	78686	1.00	1.01	
49 2,2'-oxybis[1-chloropropane]	45	6.828	6.831	-0.003	85	68420	1.00	1.03	
47 Indene	115	6.853	6.851	0.002	94	812008	5.00	5.04	
57 4-Methylphenol	108	6.930	6.930	0.000	97	78658	1.00	0.9693	
53 N-Nitrosodi-n-propylamine	70	6.939	6.939	0.000	84	46200	1.00	1.01	
52 Acetophenone	105	6.953	6.953	0.000	94	112263	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.072	7.075	-0.003	89	41269	1.00	0.99	
59 Nitrobenzene	77	7.109	7.106	0.003	85	78646	1.00	1.03	
62 Isophorone	82	7.299	7.299	0.000	98	129733	1.00	0.9778	
64 2-Nitrophenol	139	7.378	7.381	-0.003	72	46652	1.00	0.9596	
66 2,4-Dimethylphenol	107	7.381	7.381	0.000	91	84648	1.00	1.02	
70 Benzoic acid	105	7.432	7.421	0.011	85	148173	5.00	5.19	
69 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.000	97	73048	1.00	0.9228	
72 2,4-Dichlorophenol	162	7.580	7.583	-0.003	89	79006	1.00	0.9813	
73 1,2,4-Trichlorobenzene	180	7.659	7.659	0.000	94	92274	1.00	1.01	
74 Naphthalene	128	7.733	7.733	0.000	97	275646	1.00	1.01	
76 4-Chloroaniline	127	7.756	7.756	0.000	96	95896	1.00	0.9896	
77 2,6-Dichlorophenol	162	7.770	7.770	0.000	97	75904	1.00	0.9335	
79 Hexachlorobutadiene	225	7.827	7.827	0.000	92	59339	1.00	0.9432	
84 Caprolactam	113	8.028	8.023	0.005	85	44086	2.00	1.97	
85 4-Chloro-3-methylphenol	107	8.139	8.139	0.000	93	63002	1.00	0.9159	
87 2-Methylnaphthalene	142	8.315	8.312	0.003	92	191300	1.00	1.00	
89 1-Methylnaphthalene	142	8.400	8.403	-0.003	92	173533	1.00	0.99	
90 Hexachlorocyclopentadiene	237	8.448	8.446	0.002	93	56238	1.00	0.9115	
91 1,2,4,5-Tetrachlorobenzene	216	8.457	8.457	0.000	95	101275	1.00	0.9882	
93 2,4,6-Trichlorophenol	196	8.539	8.539	0.000	88	57372	1.00	0.9707	
94 2,4,5-Trichlorophenol	196	8.576	8.576	0.000	96	59004	1.00	1.00	
96 1,1'-Biphenyl	154	8.695	8.695	0.000	95	226994	1.00	1.01	
97 2-Chloronaphthalene	162	8.732	8.729	0.003	94	168258	1.00	0.99	
100 2-Nitroaniline	65	8.794	8.795	-0.001	91	32001	1.00	0.9639	
105 Dimethyl phthalate	163	8.916	8.917	-0.001	99	183108	1.00	0.9726	
107 2,6-Dinitrotoluene	165	8.979	8.917	0.062	92	46684	1.00	1.05	
106 1,3-Dinitrobenzene	168	8.959	8.959	0.000	94	26822	1.00	0.9609	
108 Acenaphthylene	152	9.090	9.087	0.003	97	285598	1.00	1.03	
109 3-Nitroaniline	138	9.138	9.135	0.003	94	41265	1.00	0.9704	
111 2,4-Dinitrophenol	184	9.220	9.220	0.000	81	29540	2.00	1.81	
110 Acenaphthene	153	9.234	9.232	0.002	92	188591	1.00	1.02	
112 4-Nitrophenol	109	9.251	9.251	0.000	85	35293	2.00	1.91	
114 2,4-Dinitrotoluene	165	9.325	9.325	0.000	93	59962	1.00	1.03	
115 Dibenzofuran	168	9.373	9.376	-0.003	96	254997	1.00	1.00	
118 2,3,4,6-Tetrachlorophenol	232	9.470	9.470	0.000	68	44568	1.00	0.9529	
121 Hexadecane	57	9.495	9.495	0.000	97	72163	1.00	0.9814	
120 Diethyl phthalate	149	9.501	9.501	0.000	99	195262	1.00	1.02	
123 4-Chlorophenyl phenyl ether	204	9.637	9.637	0.000	85	106584	1.00	1.01	
126 4-Nitroaniline	138	9.654	9.654	0.000	90	46824	1.00	0.9761	
124 Fluorene	166	9.666	9.666	0.000	94	190836	1.00	0.9583	
127 4,6-Dinitro-2-methylphenol	198	9.677	9.677	0.000	92	53097	2.00	1.87	
130 N-Nitrosodiphenylamine	169	9.731	9.731	0.000	63	143494	1.00	1.00	
129 Diphenylamine	169	9.731	9.731	0.000	91	143494	0.8550	0.8538	
131 1,2-Diphenylhydrazine	77	9.771	9.774	-0.003	41	144731	1.00	1.00	
132 Azobenzene	77	9.771	9.774	-0.003	97	144731	1.00	1.00	
139 4-Bromophenyl phenyl ether	248	10.054	10.052	0.002	58	69696	1.00	0.9594	
140 Hexachlorobenzene	284	10.142	10.142	0.000	94	87981	1.00	0.9704	
143 Atrazine	200	10.148	10.148	0.000	95	121381	2.00	2.04	
148 n-Octadecane	57	10.267	10.267	0.000	96	75159	1.00	0.9864	
145 Pentachlorophenol	266	10.295	10.296	-0.001	94	54175	2.00	1.88	
151 Phenanthrene	178	10.488	10.489	-0.001	95	296976	1.00	1.00	
152 Anthracene	178	10.531	10.531	0.000	95	302401	1.00	1.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.647	10.647	0.000	96	263008	1.00	1.04	
157 Di-n-butyl phthalate	149	10.869	10.869	0.000	99	321106	1.00	0.99	
164 Fluoranthene	202	11.547	11.544	0.003	97	339739	1.00	1.03	
166 Benzidine	184	11.626	11.626	0.000	98	341595	2.00	2.06	
167 Pyrene	202	11.785	11.785	0.000	98	354305	1.00	1.04	
174 Butyl benzyl phthalate	149	12.390	12.390	0.000	94	145950	1.00	1.03	
181 Bis(2-ethylhexyl) phthalate	149	13.113	13.111	0.002	93	198249	1.00	0.9808	
179 3,3'-Dichlorobenzidine	252	13.147	13.145	0.002	72	274452	2.00	1.98	
180 Benzo[a]anthracene	228	13.227	13.230	-0.003	96	348361	1.00	1.02	
182 Chrysene	228	13.283	13.281	0.002	96	330152	1.00	1.02	
184 Di-n-octyl phthalate	149	14.087	14.087	0.000	98	324184	1.00	1.00	
186 Benzo[b]fluoranthene	252	14.881	14.878	0.003	96	358299	1.00	1.01	
187 Benzo[k]fluoranthene	252	14.924	14.918	0.006	97	354292	1.00	0.9865	
189 Benzo[a]pyrene	252	15.423	15.420	0.003	76	337470	1.00	1.00	
193 Indeno[1,2,3-cd]pyrene	276	17.415	17.421	-0.006	96	398941	1.00	0.9816	a
194 Dibenz(a,h)anthracene	278	17.429	17.424	0.005	90	342939	1.00	0.9671	
195 Benzo[g,h,i]perylene	276	17.985	17.986	-0.001	97	349461	1.00	0.9845	
S 261 Total Cresols	1				0			1.98	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00510

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 09:57:33

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826638.D

Injection Date: 12-Nov-2021 12:17:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 1

Worklist Smp#: 5

Client ID:

Injection Vol: 2.0 ul

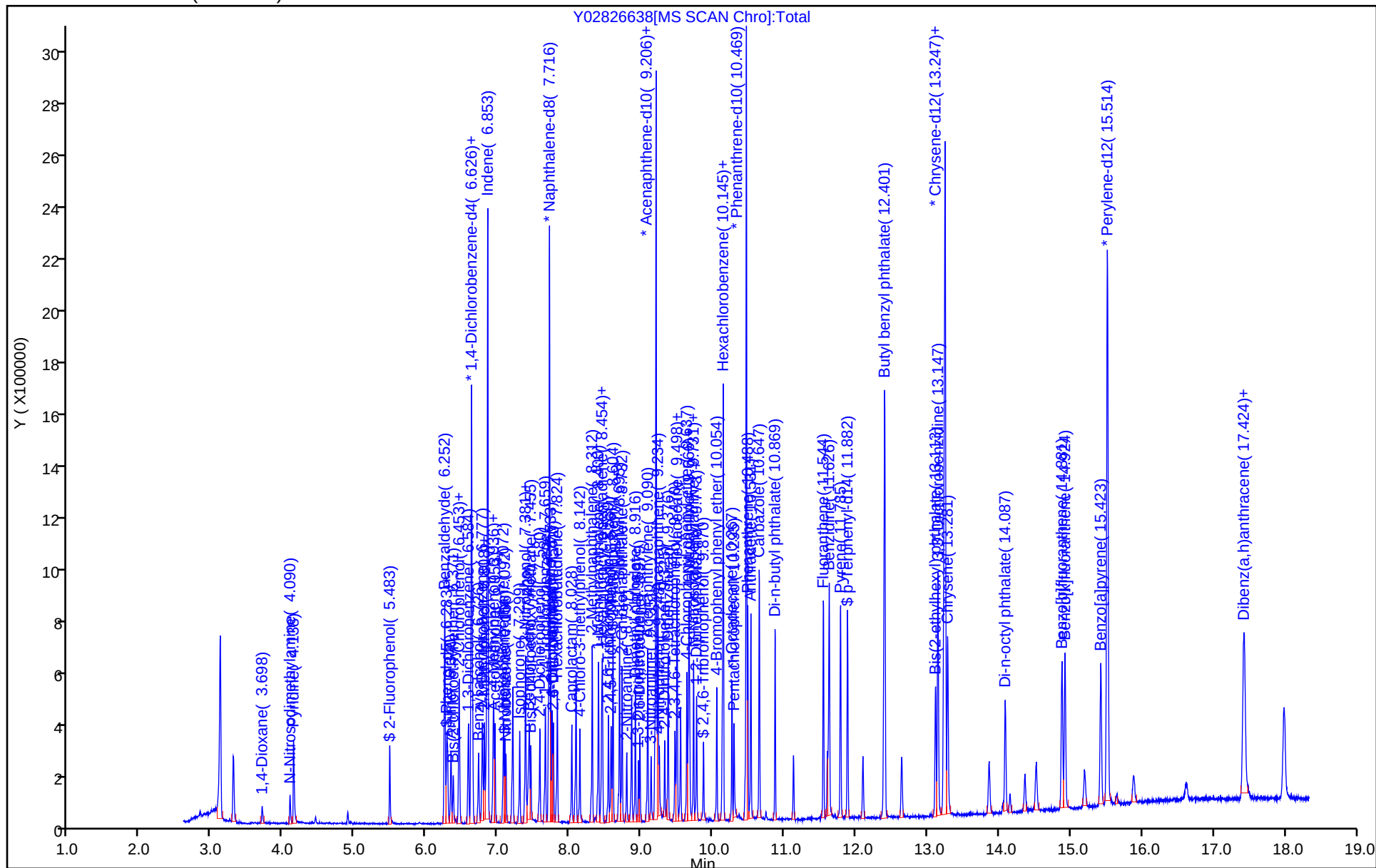
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826638.D

Injection Date: 12-Nov-2021 12:17:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 1

Client ID:

Operator ID: JM

ALS Bottle#:

5

Worklist Smp#: 5

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

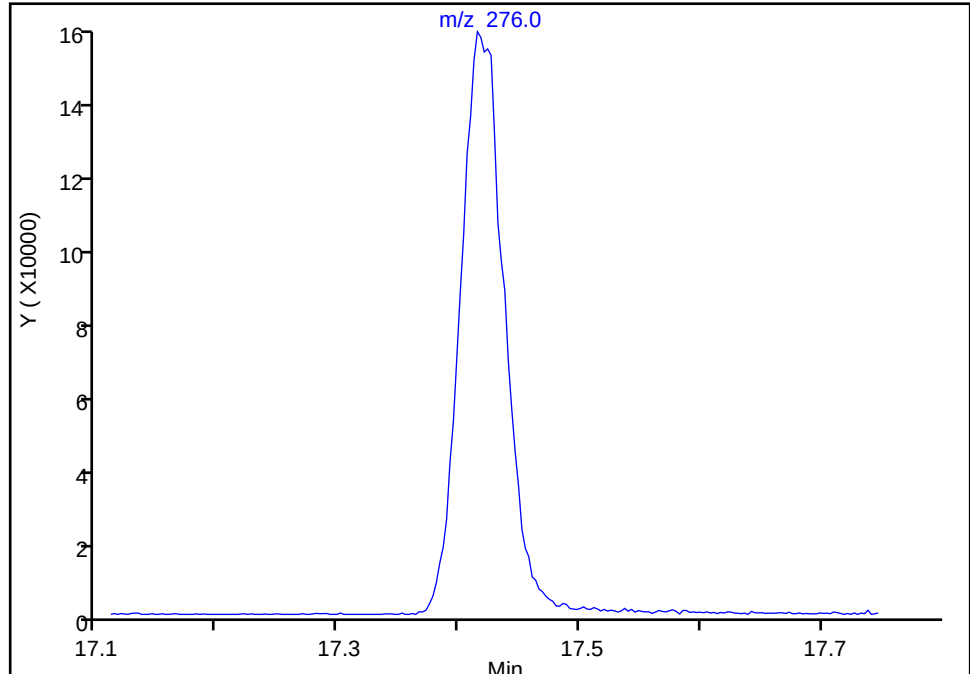
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

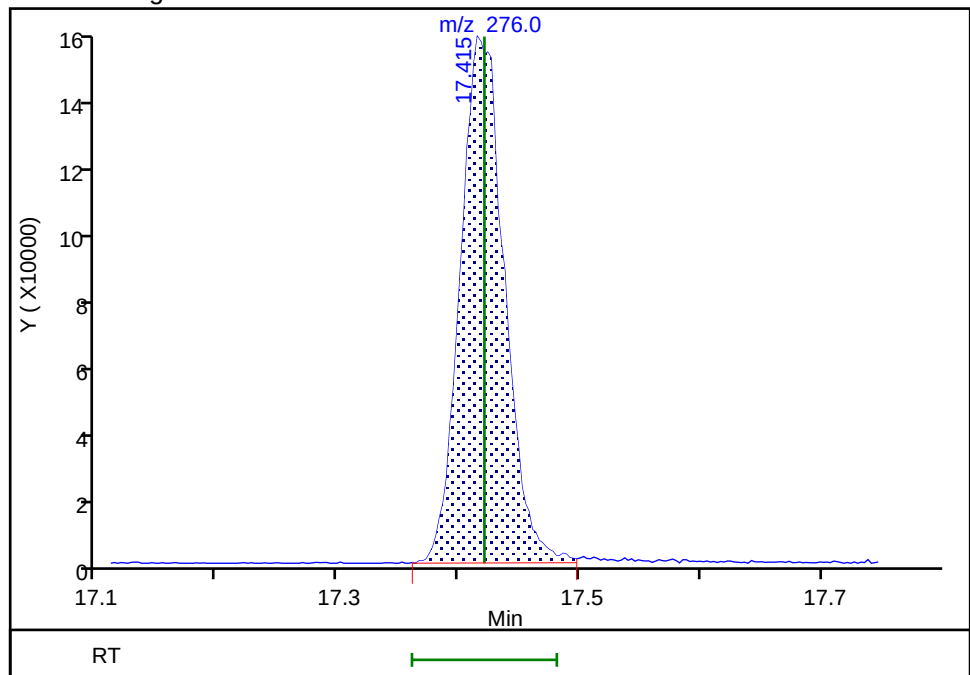
Not Detected

Expected RT: 17.42

Processing Integration Results



Manual Integration Results



RT: 17.42

Area: 398941

Amount: 0.981590

Amount Units: ng/uL

Reviewer: marshallj, 12-Nov-2021 15:26:34

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826639.D
 Lims ID: IC - List 1 - 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 12-Nov-2021 12:44:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-006
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:41 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:28:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.624	0.002	93	307191	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.716	-0.001	98	1115812	4.00	4.00	
* 3 Acenaphthene-d10	164	9.205	9.206	-0.001	93	663332	4.00	4.00	
* 4 Phenanthrene-d10	188	10.468	10.469	-0.001	94	1220551	4.00	4.00	
* 5 Chrysene-d12	240	13.249	13.247	0.002	97	1200028	4.00	4.00	
* 6 Perylene-d12	264	15.519	15.517	0.002	98	1312390	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.479	5.480	-0.001	89	161144	2.00	1.96	
\$ 8 Phenol-d5	99	6.279	6.280	-0.001	0	188920	2.00	1.99	
\$ 9 Nitrobenzene-d5	82	7.094	7.092	0.002	86	180946	2.00	1.97	
\$ 10 2-Fluorobiphenyl	172	8.603	8.604	-0.001	99	468639	2.00	2.08	
\$ 11 2,4,6-Tribromophenol	330	9.869	9.870	-0.001	90	90137	2.00	1.92	
\$ 12 p-Terphenyl-d14	244	11.884	11.882	0.002	96	637984	2.00	2.04	
13 1,4-Dioxane	88	3.692	3.698	-0.006	91	58935	2.00	2.09	
14 N-Nitrosodimethylamine	42	4.080	4.087	-0.007	91	66419	2.00	1.97	
15 Pyridine	52	4.129	4.141	-0.013	97	149826	4.00	4.13	
35 Benzaldehyde	77	6.251	6.249	0.002	94	239417	4.00	4.41	
37 Phenol	94	6.291	6.292	-0.001	99	198998	2.00	2.05	
36 Aniline	93	6.339	6.337	0.002	99	241221	2.00	2.03	
39 Bis(2-chloroethyl)ether	93	6.370	6.371	-0.001	99	141168	2.00	2.06	
40 2-Chlorophenol	128	6.450	6.451	-0.001	94	194108	2.00	2.06	
41 n-Decane	57	6.453	6.454	-0.002	87	127894	2.00	2.01	
43 1,3-Dichlorobenzene	146	6.580	6.578	0.002	97	234904	2.00	2.07	
44 1,4-Dichlorobenzene	146	6.640	6.641	-0.001	95	231755	2.00	2.02	
45 Benzyl alcohol	108	6.722	6.726	-0.004	95	107584	2.00	2.05	
46 1,2-Dichlorobenzene	146	6.776	6.777	-0.001	98	218376	2.00	1.99	
48 2-Methylphenol	108	6.807	6.808	-0.001	94	156809	2.00	2.01	
49 2,2'-oxybis[1-chloropropane]	45	6.830	6.831	-0.001	86	133726	2.00	2.03	
47 Indene	115	6.853	6.851	0.002	87	1687335	10.0	10.5	
57 4-Methylphenol	108	6.929	6.930	-0.001	97	164305	2.00	2.03	
53 N-Nitrosodi-n-propylamine	70	6.938	6.939	-0.001	84	101267	2.00	2.22	
52 Acetophenone	105	6.955	6.953	0.002	96	234788	2.00	2.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.071	7.075	-0.004	89	81542	2.00	1.96	
59 Nitrobenzene	77	7.108	7.106	0.002	85	161634	2.00	2.05	
62 Isophorone	82	7.301	7.299	0.002	99	287786	2.00	2.09	
64 2-Nitrophenol	139	7.380	7.381	-0.001	89	101670	2.00	1.97	
66 2,4-Dimethylphenol	107	7.383	7.381	0.002	93	163648	2.00	1.93	
70 Benzoic acid	105	7.454	7.421	0.033	87	404572	10.0	9.42	M
69 Bis(2-chloroethoxy)methane	93	7.454	7.455	-0.001	98	152652	2.00	1.87	
72 2,4-Dichlorophenol	162	7.582	7.583	-0.001	89	167658	2.00	2.02	
73 1,2,4-Trichlorobenzene	180	7.658	7.659	-0.001	94	188925	2.00	2.01	
74 Naphthalene	128	7.735	7.733	0.002	97	562924	2.00	2.01	
76 4-Chloroaniline	127	7.755	7.756	-0.001	97	208883	2.00	2.09	
77 2,6-Dichlorophenol	162	7.772	7.770	0.002	94	169936	2.00	2.03	
79 Hexachlorobutadiene	225	7.826	7.827	-0.001	93	129516	2.00	2.00	
84 Caprolactam	113	8.039	8.023	0.016	85	93119	4.00	3.86	
85 4-Chloro-3-methylphenol	107	8.141	8.139	0.002	94	141560	2.00	2.00	
87 2-Methylnaphthalene	142	8.314	8.312	0.002	97	408819	2.00	2.07	
89 1-Methylnaphthalene	142	8.402	8.403	-0.001	92	376854	2.00	2.09	
90 Hexachlorocyclopentadiene	237	8.447	8.446	0.001	92	139372	2.00	1.99	
91 1,2,4,5-Tetrachlorobenzene	216	8.459	8.457	0.002	95	222558	2.00	2.07	
93 2,4,6-Trichlorophenol	196	8.541	8.539	0.002	88	132830	2.00	2.04	
94 2,4,5-Trichlorophenol	196	8.578	8.576	0.002	95	134056	2.00	2.06	
96 1,1'-Biphenyl	154	8.697	8.695	0.002	94	499750	2.00	2.12	
97 2-Chloronaphthalene	162	8.731	8.729	0.002	95	367219	2.00	2.06	
100 2-Nitroaniline	65	8.796	8.795	0.001	91	80359	2.00	2.15	
105 Dimethyl phthalate	163	8.918	8.917	0.001	99	416240	2.00	2.11	
107 2,6-Dinitrotoluene	165	8.981	8.917	0.064	94	95240	2.00	2.02	
106 1,3-Dinitrobenzene	168	8.961	8.959	0.002	96	62715	2.00	2.01	
108 Acenaphthylene	152	9.089	9.087	0.002	97	597228	2.00	2.05	
109 3-Nitroaniline	138	9.137	9.135	0.002	92	102674	2.00	2.18	
111 2,4-Dinitrophenol	184	9.222	9.220	0.002	81	84043	4.00	3.62	
110 Acenaphthene	153	9.233	9.232	0.001	94	405404	2.00	2.09	
112 4-Nitrophenol	109	9.250	9.251	-0.001	83	90073	4.00	4.00	
114 2,4-Dinitrotoluene	165	9.327	9.325	0.002	94	127120	2.00	2.02	
115 Dibenzofuran	168	9.375	9.376	-0.001	96	550758	2.00	2.06	
118 2,3,4,6-Tetrachlorophenol	232	9.469	9.470	-0.001	69	102939	2.00	1.92	
121 Hexadecane	57	9.497	9.495	0.002	97	157600	2.00	2.04	
120 Diethyl phthalate	149	9.503	9.501	0.002	99	416229	2.00	2.08	
123 4-Chlorophenyl phenyl ether	204	9.636	9.637	-0.001	86	225335	2.00	2.04	
126 4-Nitroaniline	138	9.656	9.654	0.002	91	100540	2.00	1.99	
124 Fluorene	166	9.668	9.666	0.002	95	435082	2.00	2.08	
127 4,6-Dinitro-2-methylphenol	198	9.679	9.677	0.002	95	130735	4.00	3.78	
130 N-Nitrosodiphenylamine	169	9.730	9.731	-0.001	61	314673	2.00	2.05	
129 Diphenylamine	169	9.730	9.731	-0.001	93	314673	1.71	1.76	
131 1,2-Diphenylhydrazine	77	9.773	9.774	-0.002	41	316438	2.00	2.05	
132 Azobenzene	77	9.773	9.774	-0.002	97	316438	2.00	2.05	
139 4-Bromophenyl phenyl ether	248	10.056	10.052	0.004	58	156927	2.00	2.03	
140 Hexachlorobenzene	284	10.144	10.142	0.002	96	195108	2.00	2.02	
143 Atrazine	200	10.147	10.148	-0.001	95	258198	4.00	4.14	
148 n-Octadecane	57	10.269	10.267	0.002	95	164408	2.00	2.02	
145 Pentachlorophenol	266	10.297	10.296	0.001	95	146311	4.00	3.73	
151 Phenanthrene	178	10.488	10.489	-0.001	95	649481	2.00	2.05	
152 Anthracene	178	10.530	10.531	-0.001	95	651790	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.649	10.647	0.002	96	545363	2.00	2.02	
157 Di-n-butyl phthalate	149	10.871	10.869	0.002	99	696360	2.00	2.02	
164 Fluoranthene	202	11.546	11.544	0.002	97	731247	2.00	2.07	
166 Benzidine	184	11.628	11.626	0.002	98	732635	4.00	4.13	
167 Pyrene	202	11.787	11.785	0.002	97	742919	2.00	2.05	
174 Butyl benzyl phthalate	149	12.392	12.390	0.002	97	292851	2.00	1.93	
181 Bis(2-ethylhexyl) phthalate	149	13.115	13.111	0.004	93	423969	2.00	1.96	
179 3,3'-Dichlorobenzidine	252	13.149	13.145	0.004	72	593272	4.00	4.01	
180 Benzo[a]anthracene	228	13.234	13.230	0.004	97	723451	2.00	1.99	
182 Chrysene	228	13.285	13.281	0.004	96	680658	2.00	1.97	
184 Di-n-octyl phthalate	149	14.088	14.087	0.001	98	712644	2.00	1.97	
186 Benzo[b]fluoranthene	252	14.880	14.878	0.002	96	770205	2.00	2.03	
187 Benzo[k]fluoranthene	252	14.923	14.918	0.005	98	794544	2.00	2.07	
189 Benzo[a]pyrene	252	15.425	15.420	0.005	78	725977	2.00	2.01	
193 Indeno[1,2,3-cd]pyrene	276	17.423	17.421	0.002	89	862450	2.00	1.97	
194 Dibenz(a,h)anthracene	278	17.437	17.424	0.013	92	768765	2.00	2.03	
195 Benzo[g,h,i]perylene	276	17.987	17.986	0.001	97	746819	2.00	1.97	
S 261 Total Cresols	1				0			4.04	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00511

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

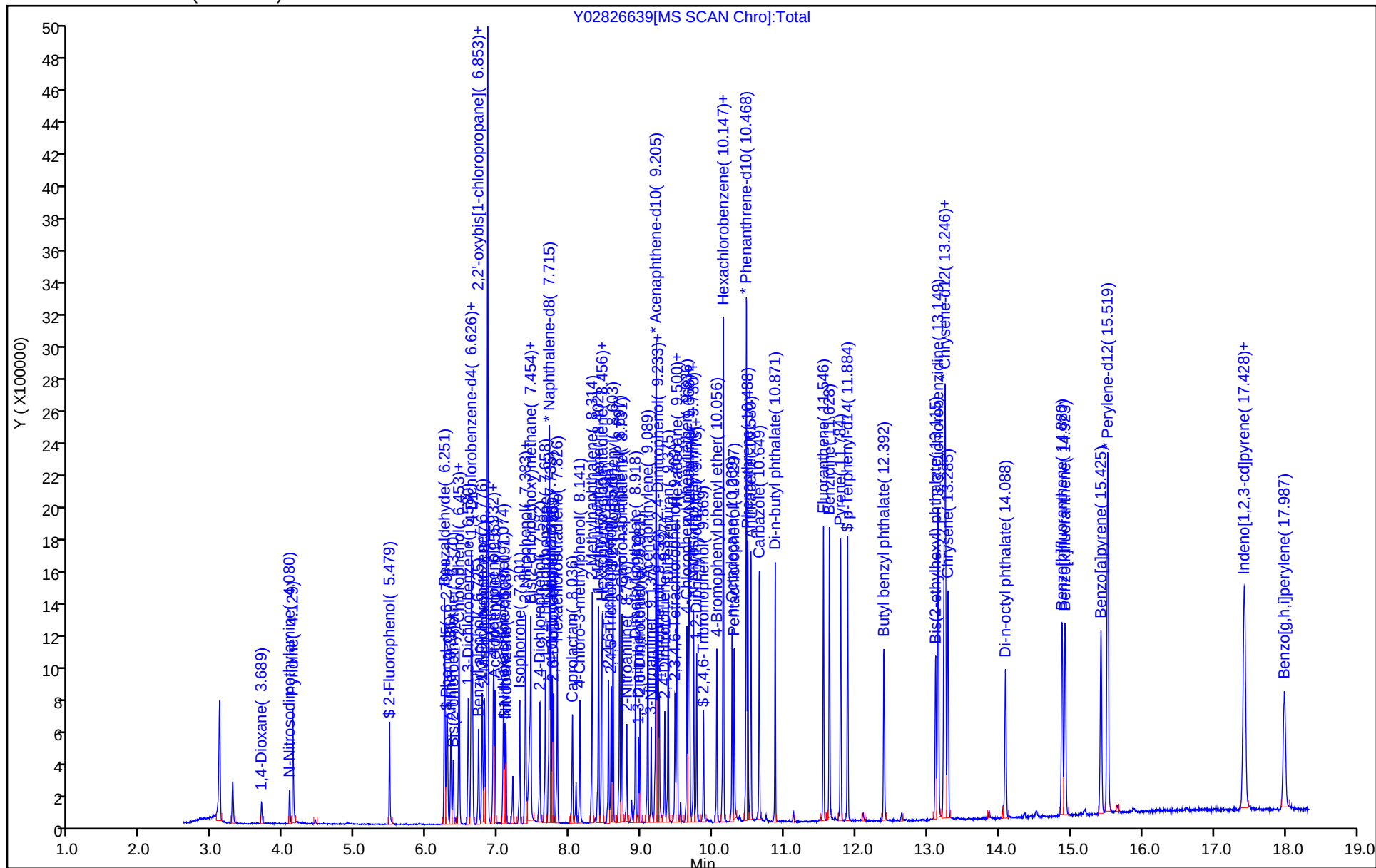
Amount Added: 20.00

Units: uL

Run Reagent

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826639.D

Injection Date: 12-Nov-2021 12:44:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 2

Client ID:

Operator ID: JM

ALS Bottle#:

6

Worklist Smp#: 6

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

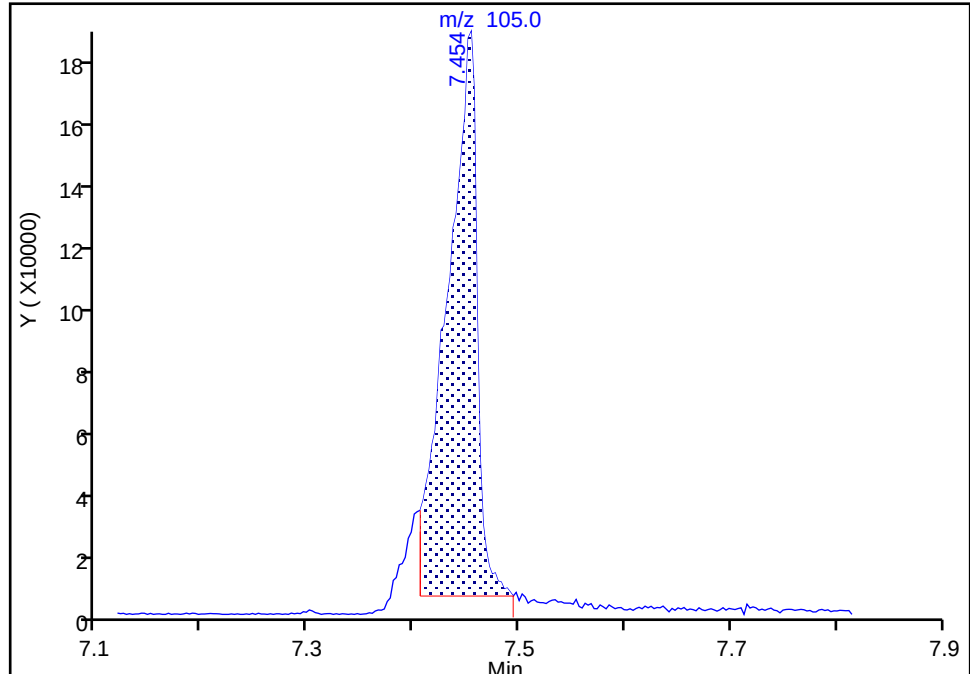
MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

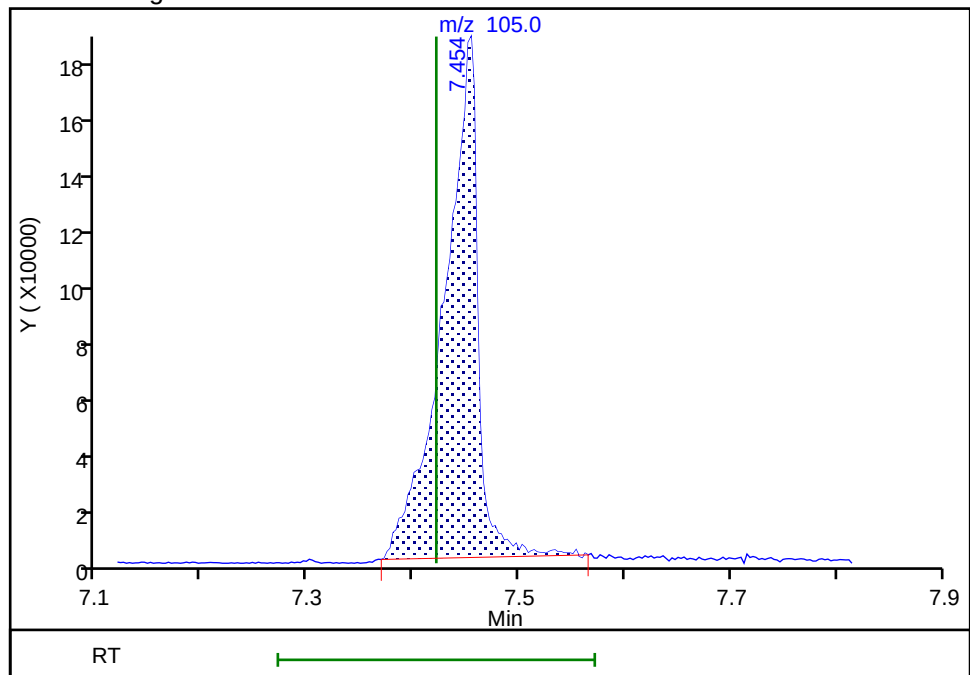
RT: 7.45
Area: 347570
Amount: 42.502265
Amount Units: ng/uL

Processing Integration Results



RT: 7.45
Area: 404572
Amount: 9.418503
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:27:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826640.D
 Lims ID: ICIS - List 1 - 4
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 12-Nov-2021 13:12:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-007
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:49 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:20:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.625	6.625	0.000	92	308051	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.715	0.000	98	1090979	4.00	4.00	
* 3 Acenaphthene-d10	164	9.205	9.205	0.000	90	657931	4.00	4.00	
* 4 Phenanthrene-d10	188	10.467	10.467	0.000	94	1195275	4.00	4.00	
* 5 Chrysene-d12	240	13.251	13.251	0.000	98	1165813	4.00	4.00	
* 6 Perylene-d12	264	15.518	15.518	0.000	98	1287219	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.482	5.482	0.000	89	333707	4.00	4.04	
\$ 8 Phenol-d5	99	6.282	6.282	0.000	0	388473	4.00	4.09	
\$ 9 Nitrobenzene-d5	82	7.094	7.094	0.000	88	361468	4.00	4.02	
\$ 10 2-Fluorobiphenyl	172	8.603	8.603	0.000	98	888587	4.00	3.98	
\$ 11 2,4,6-Tribromophenol	330	9.872	9.872	0.000	90	185782	4.00	3.92	
\$ 12 p-Terphenyl-d14	244	11.883	11.883	0.000	96	1244196	4.00	4.09	
13 1,4-Dioxane	88	3.700	3.700	0.000	91	114882	4.00	4.05	
14 N-Nitrosodimethylamine	42	4.086	4.086	0.000	90	139501	4.00	4.13	
15 Pyridine	52	4.131	4.131	0.000	96	297216	8.00	8.17	
35 Benzaldehyde	77	6.251	6.251	0.000	94	428984	8.00	7.97	
37 Phenol	94	6.293	6.293	0.000	98	395084	4.00	4.06	
36 Aniline	93	6.342	6.342	0.000	99	477045	4.00	4.01	
39 Bis(2-chloroethyl)ether	93	6.373	6.373	0.000	99	288325	4.00	4.19	
40 2-Chlorophenol	128	6.449	6.449	0.000	94	380229	4.00	4.02	
41 n-Decane	57	6.455	6.455	0.000	87	258531	4.00	4.06	
43 1,3-Dichlorobenzene	146	6.583	6.583	0.000	98	448964	4.00	3.94	
44 1,4-Dichlorobenzene	146	6.642	6.642	0.000	96	464439	4.00	4.03	
45 Benzyl alcohol	108	6.725	6.725	0.000	95	217413	4.00	4.08	
46 1,2-Dichlorobenzene	146	6.779	6.779	0.000	99	437484	4.00	3.98	
48 2-Methylphenol	108	6.810	6.810	0.000	93	311519	4.00	3.98	
49 2,2'-oxybis[1-chloropropane]	45	6.830	6.830	0.000	85	264429	4.00	3.99	
47 Indene	115	6.855	6.855	0.000	88	3266449	20.0	20.2	
57 4-Methylphenol	108	6.932	6.932	0.000	95	329062	4.00	4.05	
53 N-Nitrosodi-n-propylamine	70	6.940	6.940	0.000	85	188517	4.00	4.13	
52 Acetophenone	105	6.955	6.955	0.000	96	459378	4.00	4.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.074	7.074	0.000	90	168327	4.00	4.04	
59 Nitrobenzene	77	7.111	7.111	0.000	85	321273	4.00	4.18	
62 Isophorone	82	7.301	7.301	0.000	98	546618	4.00	4.06	
64 2-Nitrophenol	139	7.380	7.380	0.000	91	204011	4.00	3.99	
66 2,4-Dimethylphenol	107	7.383	7.383	0.000	93	352099	4.00	4.26	
70 Benzoic acid	105	7.477	7.477	0.000	88	956647	20.0	19.1	M
69 Bis(2-chloroethoxy)methane	93	7.457	7.457	0.000	97	342178	4.00	4.29	
72 2,4-Dichlorophenol	162	7.582	7.582	0.000	90	337244	4.00	4.16	
73 1,2,4-Trichlorobenzene	180	7.658	7.658	0.000	94	369441	4.00	4.02	
74 Naphthalene	128	7.735	7.735	0.000	97	1107504	4.00	4.06	
76 4-Chloroaniline	127	7.755	7.755	0.000	97	416079	4.00	4.26	
77 2,6-Dichlorophenol	162	7.772	7.772	0.000	96	326613	4.00	3.98	
79 Hexachlorobutadiene	225	7.828	7.828	0.000	94	258465	4.00	4.08	
84 Caprolactam	113	8.053	8.053	0.000	87	194730	8.00	8.07	
85 4-Chloro-3-methylphenol	107	8.143	8.143	0.000	92	283225	4.00	4.08	
87 2-Methylnaphthalene	142	8.314	8.314	0.000	92	783209	4.00	4.06	
89 1-Methylnaphthalene	142	8.402	8.402	0.000	91	705665	4.00	4.00	
90 Hexachlorocyclopentadiene	237	8.447	8.447	0.000	92	284586	4.00	3.97	
91 1,2,4,5-Tetrachlorobenzene	216	8.458	8.458	0.000	95	422138	4.00	3.96	
93 2,4,6-Trichlorophenol	196	8.544	8.544	0.000	88	255899	4.00	3.89	
94 2,4,5-Trichlorophenol	196	8.578	8.578	0.000	94	267941	4.00	4.07	
96 1,1'-Biphenyl	154	8.697	8.697	0.000	94	944411	4.00	4.04	
97 2-Chloronaphthalene	162	8.731	8.731	0.000	95	714062	4.00	4.04	
100 2-Nitroaniline	65	8.796	8.796	0.000	92	153380	4.00	4.03	
105 Dimethyl phthalate	163	8.918	8.918	0.000	99	813555	4.00	4.15	
107 2,6-Dinitrotoluene	165	8.983	8.983	0.000	92	183089	4.00	3.89	
106 1,3-Dinitrobenzene	168	8.961	8.961	0.000	93	126115	4.00	3.99	
108 Acenaphthylene	152	9.091	9.091	0.000	97	1173276	4.00	4.06	
109 3-Nitroaniline	138	9.139	9.139	0.000	93	189056	4.00	3.97	
111 2,4-Dinitrophenol	184	9.225	9.225	0.000	83	201373	8.00	7.67	
110 Acenaphthene	153	9.236	9.236	0.000	93	757363	4.00	3.94	
112 4-Nitrophenol	109	9.253	9.253	0.000	84	188678	8.00	7.95	
114 2,4-Dinitrotoluene	165	9.330	9.330	0.000	95	255687	4.00	4.02	
115 Dibenzofuran	168	9.378	9.378	0.000	96	1038478	4.00	3.92	
118 2,3,4,6-Tetrachlorophenol	232	9.469	9.469	0.000	72	220353	4.00	3.97	
121 Hexadecane	57	9.497	9.497	0.000	98	293873	4.00	3.84	
120 Diethyl phthalate	149	9.506	9.506	0.000	99	831147	4.00	4.18	
123 4-Chlorophenyl phenyl ether	204	9.639	9.639	0.000	86	446665	4.00	4.07	
126 4-Nitroaniline	138	9.659	9.659	0.000	92	204842	4.00	4.08	
124 Fluorene	166	9.667	9.667	0.000	93	829521	4.00	4.00	
127 4,6-Dinitro-2-methylphenol	198	9.679	9.679	0.000	94	287459	8.00	7.96	
130 N-Nitrosodiphenylamine	169	9.733	9.733	0.000	61	616073	4.00	4.10	
129 Diphenylamine	169	9.733	9.733	0.000	93	616073	3.42	3.51	
131 1,2-Diphenylhydrazine	77	9.775	9.775	0.000	41	613296	4.00	4.05	
132 Azobenzene	77	9.775	9.775	0.000	97	613296	4.00	4.05	
139 4-Bromophenyl phenyl ether	248	10.056	10.056	0.000	58	305955	4.00	4.03	
140 Hexachlorobenzene	284	10.144	10.144	0.000	95	370480	4.00	3.91	
143 Atrazine	200	10.150	10.150	0.000	94	514530	8.00	8.32	
148 n-Octadecane	57	10.266	10.266	0.000	96	313740	4.00	3.94	
145 Pentachlorophenol	266	10.297	10.297	0.000	95	319152	8.00	7.48	
151 Phenanthrene	178	10.490	10.490	0.000	95	1250193	4.00	4.02	
152 Anthracene	178	10.533	10.533	0.000	95	1242821	4.00	4.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.649	10.649	0.000	96	1072728	4.00	4.06	
157 Di-n-butyl phthalate	149	10.870	10.870	0.000	99	1369463	4.00	4.06	
164 Fluoranthene	202	11.546	11.546	0.000	97	1420815	4.00	4.11	
166 Benzidine	184	11.631	11.631	0.000	98	1399826	8.00	8.12	
167 Pyrene	202	11.787	11.787	0.000	98	1452292	4.00	4.12	
174 Butyl benzyl phthalate	149	12.391	12.391	0.000	94	610528	4.00	4.15	
181 Bis(2-ethylhexyl) phthalate	149	13.115	13.115	0.000	93	874271	4.00	4.17	
179 3,3'-Dichlorobenzidine	252	13.152	13.152	0.000	72	1180748	8.00	8.21	
180 Benzo[a]anthracene	228	13.234	13.234	0.000	97	1446948	4.00	4.10	
182 Chrysene	228	13.288	13.288	0.000	97	1364795	4.00	4.07	
184 Di-n-octyl phthalate	149	14.091	14.091	0.000	98	1465452	4.00	4.08	
186 Benzo[b]fluoranthene	252	14.883	14.883	0.000	96	1522140	4.00	4.09	
187 Benzo[k]fluoranthene	252	14.928	14.928	0.000	97	1530452	4.00	4.06	
189 Benzo[a]pyrene	252	15.428	15.428	0.000	76	1475570	4.00	4.16	
193 Indeno[1,2,3-cd]pyrene	276	17.431	17.431	0.000	97	1755670	4.00	4.07	
194 Dibenz(a,h)anthracene	278	17.442	17.442	0.000	90	1524987	4.00	4.10	
195 Benzo[g,h,i]perylene	276	17.996	17.996	0.000	97	1533265	4.00	4.12	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00512

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 09:57:50

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826640.D

Injection Date: 12-Nov-2021 13:12:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: ICIS - List 1 - 4

Worklist Smp#: 7

Client ID:

Injection Vol: 2.0 ul

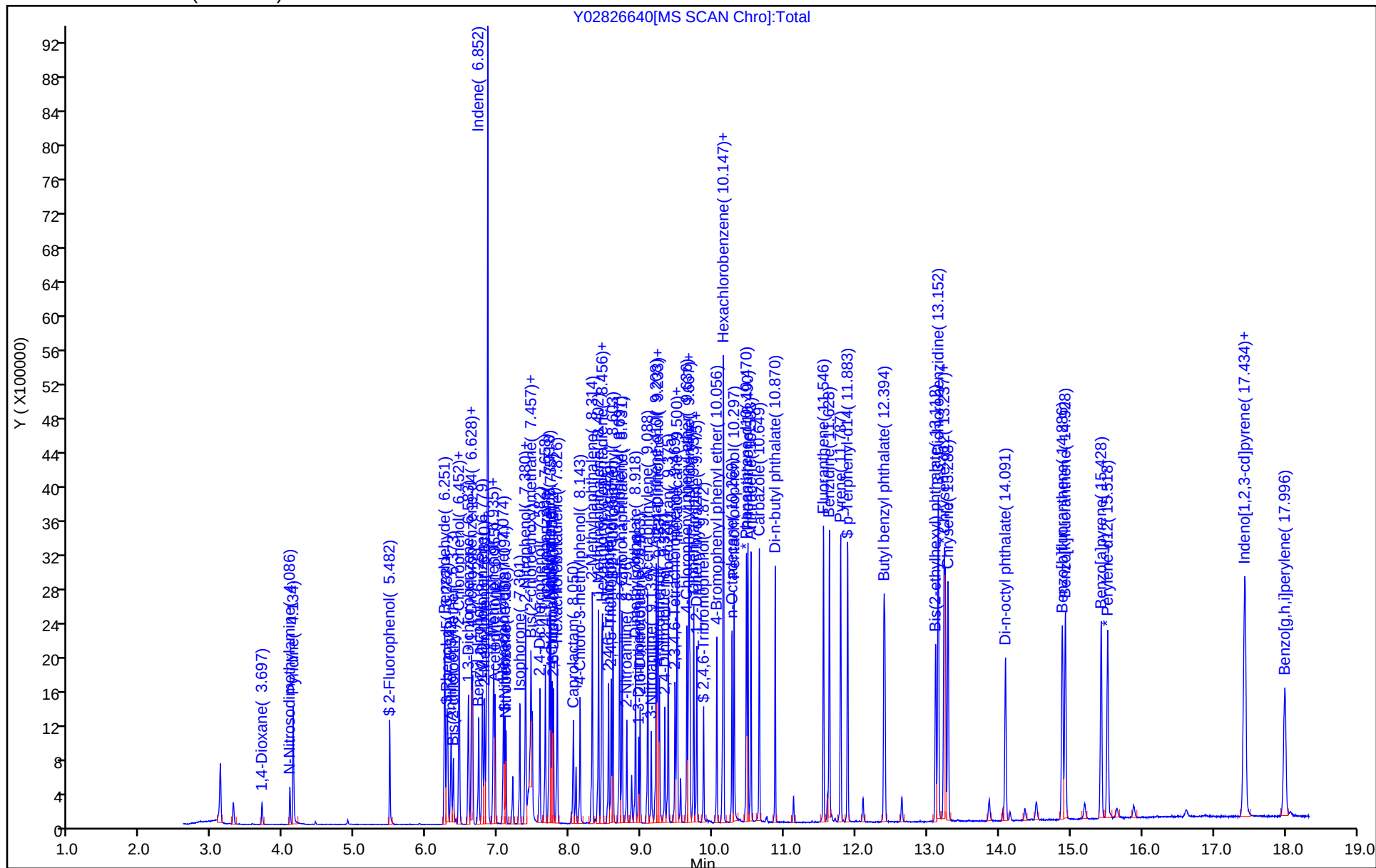
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826640.D

Injection Date: 12-Nov-2021 13:12:30

Instrument ID: HP5973Y

Lims ID: ICIS - List 1 - 4

Client ID:

Operator ID: JM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

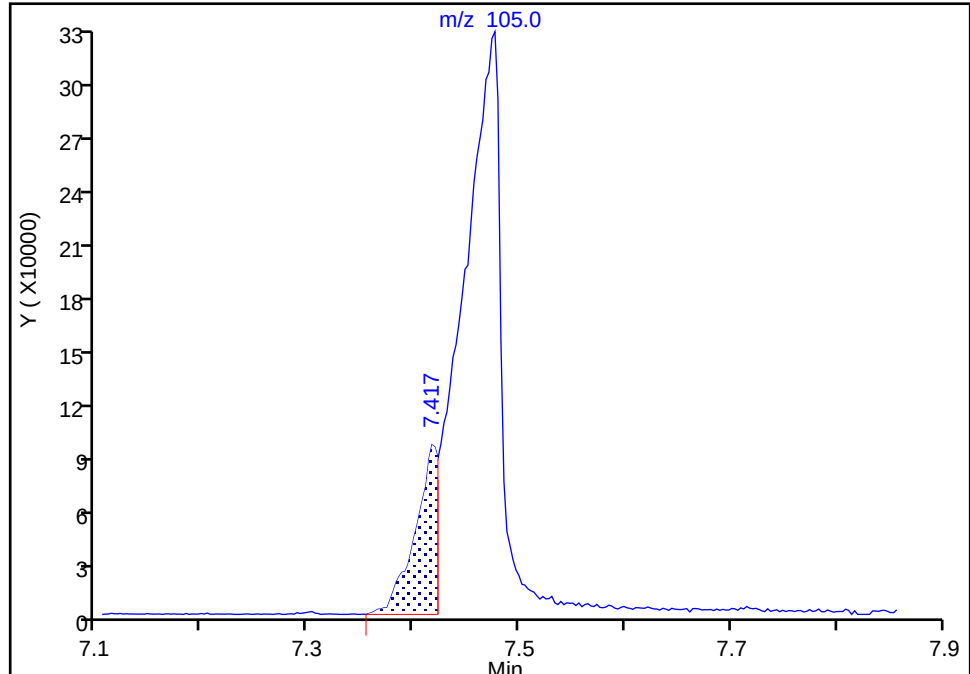
MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

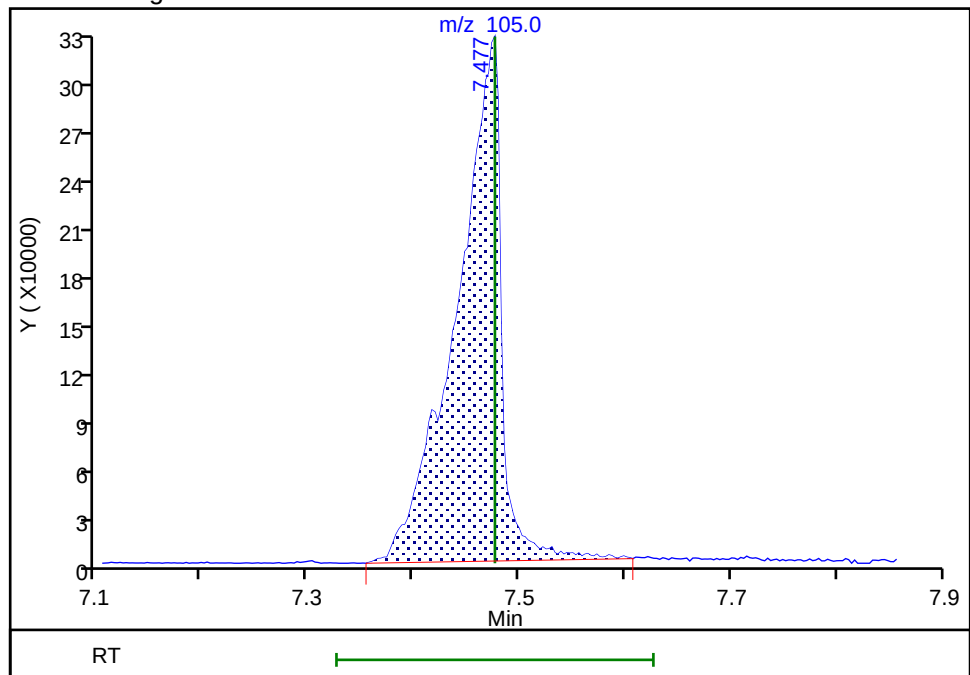
RT: 7.42
Area: 142398
Amount: 11.158632
Amount Units: ng/uL

Processing Integration Results



RT: 7.48
Area: 956647
Amount: 19.059043
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:29:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826641.D
 Lims ID: IC -List 1 - 8
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 12-Nov-2021 13:39:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-008
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:55 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:34:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.628	6.625	0.003	92	309839	4.00	4.00	
* 2 Naphthalene-d8	136	7.718	7.715	0.003	98	1130841	4.00	4.00	
* 3 Acenaphthene-d10	164	9.208	9.205	0.003	91	687311	4.00	4.00	
* 4 Phenanthrene-d10	188	10.470	10.467	0.003	94	1235105	4.00	4.00	
* 5 Chrysene-d12	240	13.254	13.251	0.003	97	1242284	4.00	4.00	
* 6 Perylene-d12	264	15.524	15.518	0.006	98	1333574	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.482	5.482	0.000	89	687108	8.00	8.27	
\$ 8 Phenol-d5	99	6.285	6.282	0.003	0	783563	8.00	8.19	
\$ 9 Nitrobenzene-d5	82	7.096	7.094	0.002	86	745961	8.00	8.01	M
\$ 10 2-Fluorobiphenyl	172	8.609	8.603	0.006	99	1869180	8.00	8.02	
\$ 11 2,4,6-Tribromophenol	330	9.874	9.872	0.002	90	409543	8.00	8.23	
\$ 12 p-Terphenyl-d14	244	11.886	11.883	0.003	96	2520141	8.00	7.77	
13 1,4-Dioxane	88	3.697	3.700	-0.003	88	231764	8.00	8.13	
14 N-Nitrosodimethylamine	42	4.088	4.086	0.002	92	271527	8.00	7.99	
15 Pyridine	52	4.131	4.131	0.000	96	583441	16.0	16.0	
35 Benzaldehyde	77	6.254	6.251	0.003	94	889673	16.0	16.6	
37 Phenol	94	6.296	6.293	0.003	98	782582	8.00	8.00	
36 Aniline	93	6.344	6.342	0.002	98	917504	8.00	7.67	
39 Bis(2-chloroethyl)ether	93	6.376	6.373	0.003	99	595958	8.00	8.61	
40 2-Chlorophenol	128	6.452	6.449	0.003	94	788443	8.00	8.28	
41 n-Decane	57	6.455	6.455	0.000	88	500120	8.00	7.81	
43 1,3-Dichlorobenzene	146	6.583	6.583	0.000	98	918138	8.00	8.01	
44 1,4-Dichlorobenzene	146	6.642	6.642	0.000	96	929290	8.00	8.01	
45 Benzyl alcohol	108	6.730	6.725	0.005	95	445478	8.00	8.27	
46 1,2-Dichlorobenzene	146	6.779	6.779	0.000	98	891488	8.00	8.06	
48 2-Methylphenol	108	6.810	6.810	0.000	94	644535	8.00	8.20	
49 2,2'-oxybis[1-chloropropane]	45	6.832	6.830	0.002	84	523644	8.00	7.86	
47 Indene	115	6.858	6.855	0.003	88	6327556	40.0	39.0	
57 4-Methylphenol	108	6.935	6.932	0.003	98	666986	8.00	8.16	
53 N-Nitrosodi-n-propylamine	70	6.946	6.940	0.006	84	347201	8.00	7.56	
52 Acetophenone	105	6.957	6.955	0.003	97	803041	8.00	7.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.074	7.074	0.000	89	334388	8.00	7.98	
59 Nitrobenzene	77	7.111	7.111	0.000	85	640333	8.00	8.03	
62 Isophorone	82	7.306	7.301	0.005	98	1152750	8.00	8.26	
64 2-Nitrophenol	139	7.380	7.380	0.000	95	431720	8.00	8.09	
66 2,4-Dimethylphenol	107	7.386	7.383	0.003	93	641754	8.00	7.51	
69 Bis(2-chloroethoxy)methane	93	7.460	7.457	0.003	97	622216	8.00	7.52	
70 Benzoic acid	105	7.513	7.477	0.036	86	2192467	40.0	39.0	M
72 2,4-Dichlorophenol	162	7.584	7.582	0.002	89	692726	8.00	8.23	
73 1,2,4-Trichlorobenzene	180	7.661	7.658	0.003	93	784079	8.00	8.23	
74 Naphthalene	128	7.738	7.735	0.003	98	2224486	8.00	7.86	
76 4-Chloroaniline	127	7.760	7.755	0.005	97	809210	8.00	7.99	
77 2,6-Dichlorophenol	162	7.775	7.772	0.003	96	690273	8.00	8.12	
79 Hexachlorobutadiene	225	7.828	7.828	0.000	93	527556	8.00	8.02	
84 Caprolactam	113	8.072	8.053	0.019	86	402017	16.0	15.9	
85 4-Chloro-3-methylphenol	107	8.149	8.143	0.006	94	610717	8.00	8.50	
87 2-Methylnaphthalene	142	8.317	8.314	0.002	93	1588216	8.00	7.94	
89 1-Methylnaphthalene	142	8.404	8.402	0.002	92	1472301	8.00	8.06	
90 Hexachlorocyclopentadiene	237	8.450	8.447	0.003	94	624773	8.00	8.22	
91 1,2,4,5-Tetrachlorobenzene	216	8.461	8.458	0.003	95	882462	8.00	7.92	
93 2,4,6-Trichlorophenol	196	8.544	8.544	0.000	89	564233	8.00	8.13	
94 2,4,5-Trichlorophenol	196	8.583	8.578	0.005	95	560158	8.00	8.07	
96 1,1'-Biphenyl	154	8.700	8.697	0.003	95	1942528	8.00	7.95	
97 2-Chloronaphthalene	162	8.734	8.731	0.003	96	1528236	8.00	8.28	
100 2-Nitroaniline	65	8.802	8.796	0.006	92	331179	8.00	8.22	
105 Dimethyl phthalate	163	8.924	8.918	0.006	99	1605241	8.00	7.84	
106 1,3-Dinitrobenzene	168	8.966	8.961	0.005	94	261055	8.00	7.83	
107 2,6-Dinitrotoluene	165	8.986	8.983	0.003	92	396526	8.00	8.05	
108 Acenaphthylene	152	9.094	9.091	0.003	97	2422579	8.00	8.02	
109 3-Nitroaniline	138	9.142	9.139	0.003	92	405705	8.00	8.06	
111 2,4-Dinitrophenol	184	9.227	9.225	0.002	85	479012	16.0	16.5	
110 Acenaphthene	153	9.239	9.236	0.003	93	1566705	8.00	7.79	
112 4-Nitrophenol	109	9.259	9.253	0.006	83	416586	16.0	16.3	
114 2,4-Dinitrotoluene	165	9.332	9.330	0.002	94	540023	8.00	8.06	
115 Dibenzofuran	168	9.378	9.378	0.000	96	2175258	8.00	7.86	
118 2,3,4,6-Tetrachlorophenol	232	9.474	9.469	0.005	68	472446	8.00	7.98	
121 Hexadecane	57	9.500	9.497	0.003	97	648299	8.00	8.10	
120 Diethyl phthalate	149	9.508	9.506	0.002	99	1573842	8.00	7.59	
123 4-Chlorophenyl phenyl ether	204	9.639	9.639	0.000	87	945968	8.00	8.25	
126 4-Nitroaniline	138	9.664	9.659	0.005	92	425399	8.00	8.10	
124 Fluorene	166	9.670	9.667	0.003	93	1737745	8.00	8.02	
127 4,6-Dinitro-2-methylphenol	198	9.684	9.679	0.005	94	647517	16.0	16.9	
130 N-Nitrosodiphenylamine	169	9.735	9.733	0.002	62	1285799	8.00	8.29	
129 Diphenylamine	169	9.735	9.733	0.002	93	1285799	6.84	7.09	
131 1,2-Diphenylhydrazine	77	9.775	9.775	0.000	41	1276898	8.00	8.16	
132 Azobenzene	77	9.775	9.775	0.000	97	1276898	8.00	8.16	
139 4-Bromophenyl phenyl ether	248	10.059	10.056	0.003	58	632081	8.00	8.06	
140 Hexachlorobenzene	284	10.147	10.144	0.003	95	794714	8.00	8.12	
143 Atrazine	200	10.155	10.150	0.005	95	995649	16.0	15.4	
148 n-Octadecane	57	10.269	10.266	0.003	96	676829	8.00	8.23	
145 Pentachlorophenol	266	10.300	10.297	0.003	95	777956	16.0	16.7	
151 Phenanthrene	178	10.493	10.490	0.003	97	2535760	8.00	7.89	
152 Anthracene	178	10.536	10.533	0.003	95	2617846	8.00	8.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.652	10.649	0.003	96	2269715	8.00	8.32	
157 Di-n-butyl phthalate	149	10.873	10.870	0.003	99	2893114	8.00	8.30	
164 Fluoranthene	202	11.549	11.546	0.003	97	2871788	8.00	8.04	
166 Benzidine	184	11.634	11.631	0.003	98	2976638	16.0	16.2	
167 Pyrene	202	11.790	11.787	0.003	97	2939679	8.00	7.83	
174 Butyl benzyl phthalate	149	12.394	12.391	0.003	94	1265369	8.00	8.07	
181 Bis(2-ethylhexyl) phthalate	149	13.118	13.115	0.003	93	1838128	8.00	8.23	
179 3,3'-Dichlorobenzidine	252	13.157	13.152	0.005	72	2540457	16.0	16.6	
180 Benzo[a]anthracene	228	13.240	13.234	0.006	97	2920351	8.00	7.77	
182 Chrysene	228	13.294	13.288	0.006	96	2749327	8.00	7.69	
184 Di-n-octyl phthalate	149	14.094	14.091	0.003	98	3068002	8.00	7.94	
186 Benzo[b]fluoranthene	252	14.891	14.883	0.008	96	3201078	8.00	8.31	
187 Benzo[k]fluoranthene	252	14.937	14.928	0.009	98	3188785	8.00	8.17	
189 Benzo[a]pyrene	252	15.436	15.428	0.008	76	3050622	8.00	8.29	
193 Indeno[1,2,3-cd]pyrene	276	17.445	17.431	0.014	97	3684551	8.00	8.22	
194 Dibenz(a,h)anthracene	278	17.456	17.442	0.014	91	3210630	8.00	8.33	
195 Benzo[g,h,i]perylene	276	18.013	17.996	0.017	97	3213526	8.00	8.33	
S 261 Total Cresols	1				0			16.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00513

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 09:57:56

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826641.D

Injection Date: 12-Nov-2021 13:39:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC -List 1 - 8

Worklist Smp#: 8

Client ID:

Injection Vol: 2.0 ul

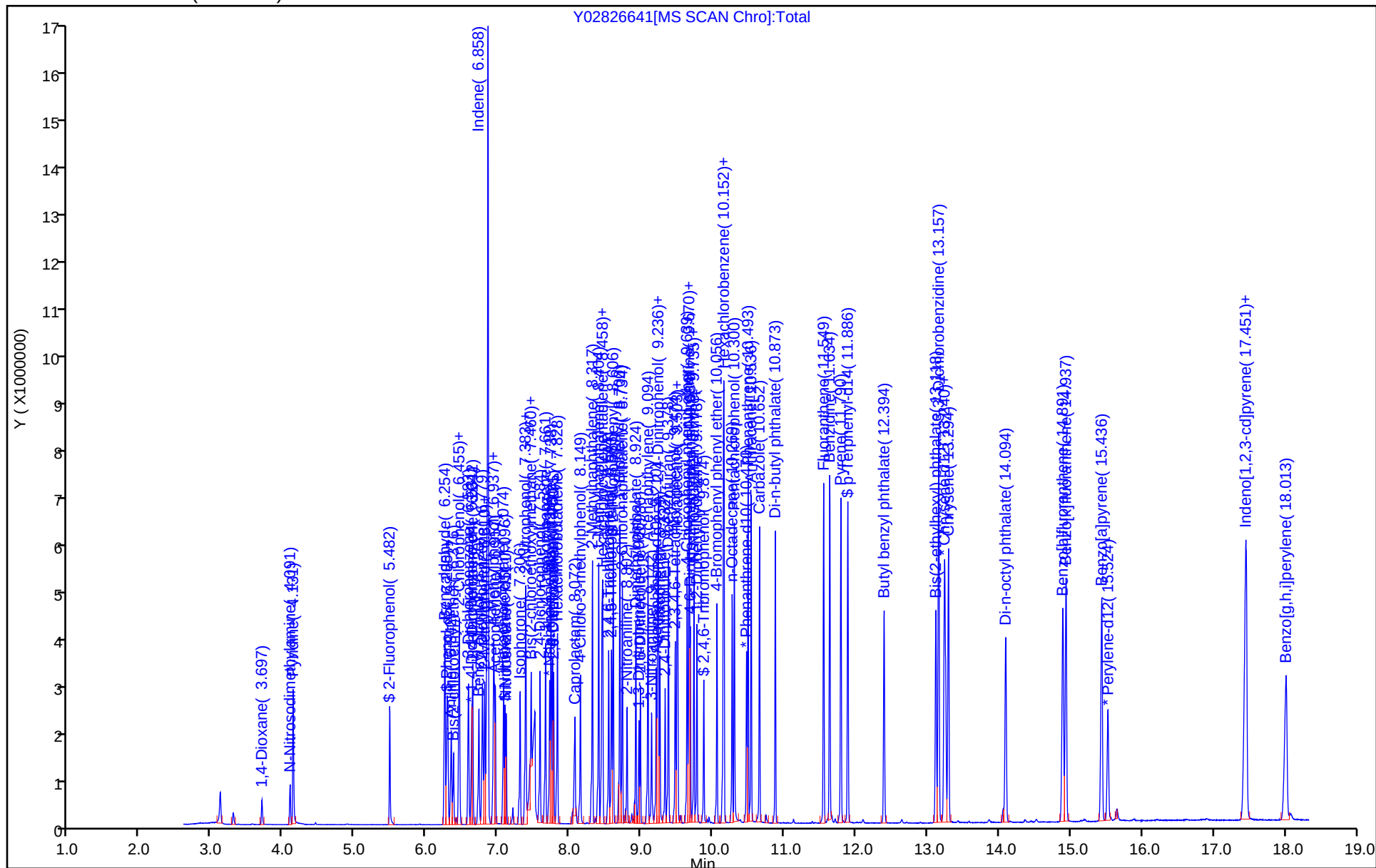
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826641.D

Injection Date: 12-Nov-2021 13:39:30

Instrument ID: HP5973Y

Lims ID: IC -List 1 - 8

Client ID:

Operator ID: JM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

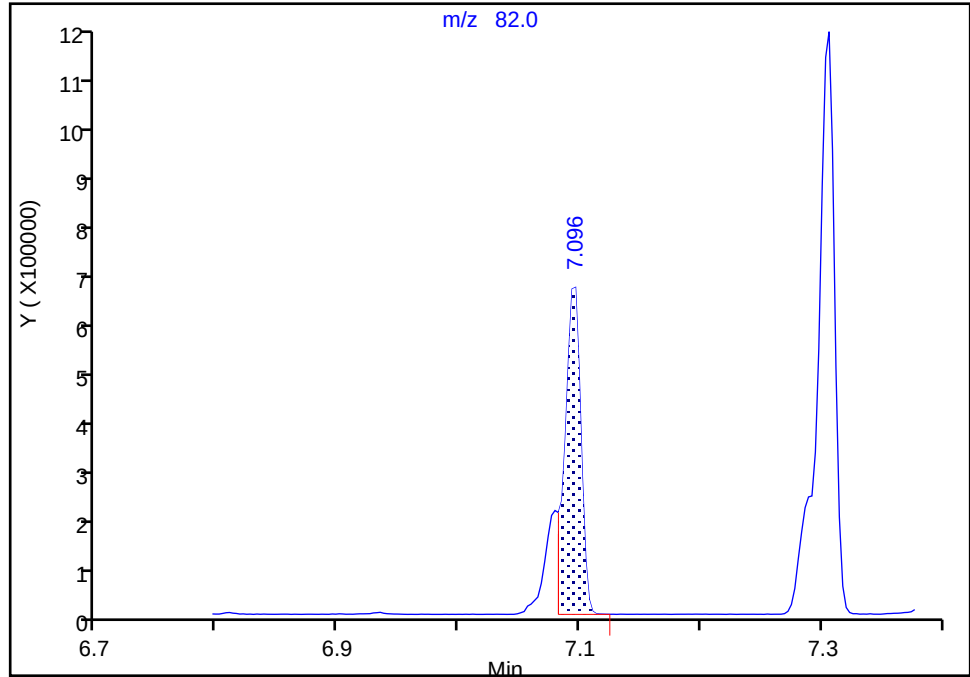
Detector: MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

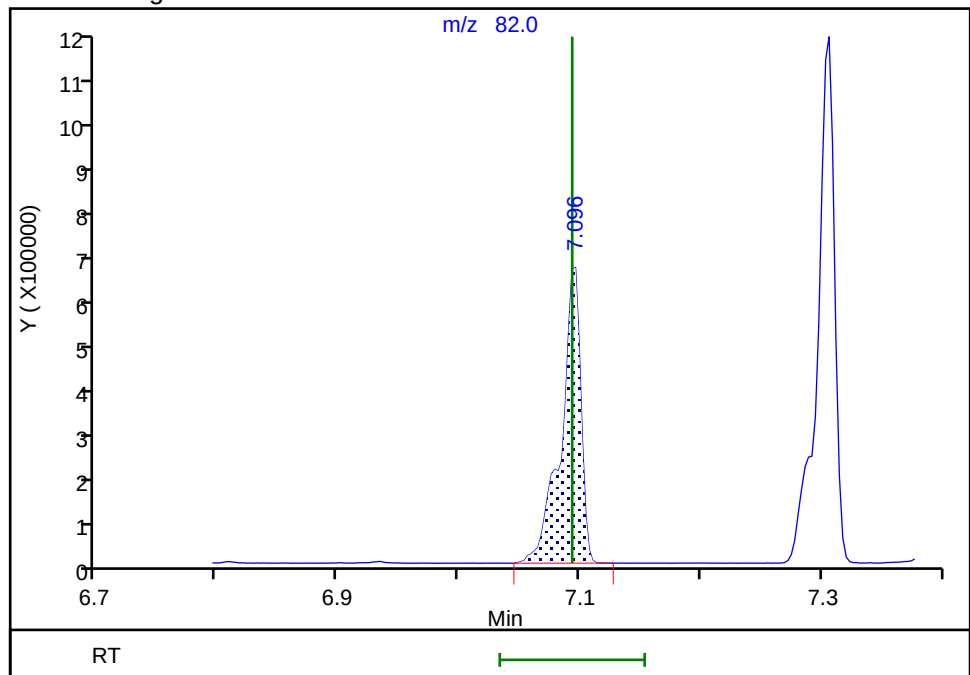
RT: 7.10
Area: 603232
Amount: 7.070909
Amount Units: ng/uL

Processing Integration Results



RT: 7.10
Area: 745961
Amount: 8.008952
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:34:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826641.D

Injection Date: 12-Nov-2021 13:39:30

Instrument ID: HP5973Y

Lims ID: IC -List 1 - 8

Client ID:

Operator ID: JM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 2.0 uL

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

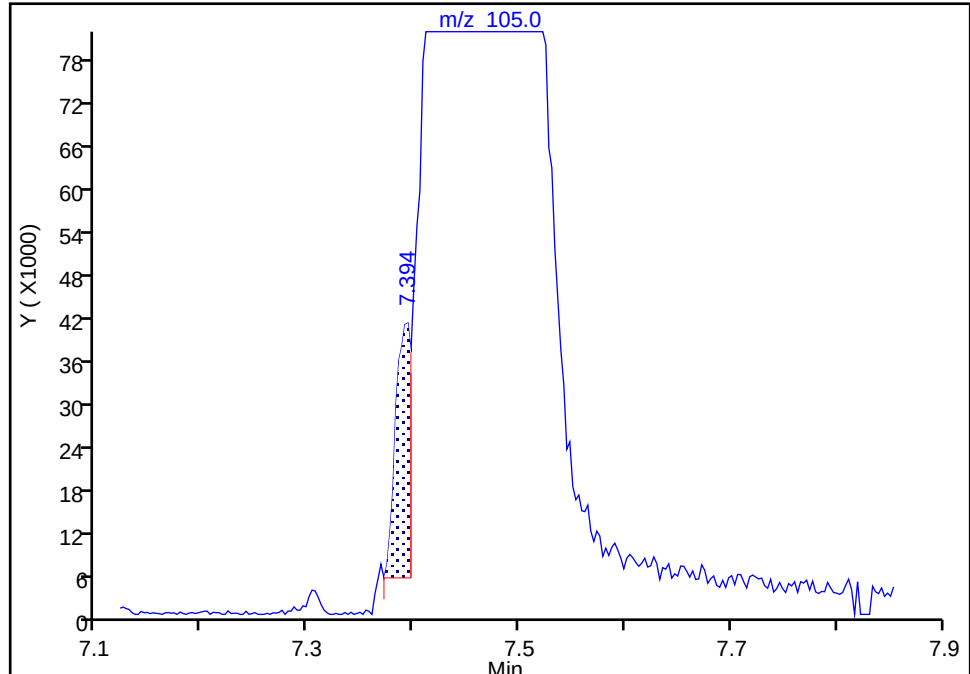
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

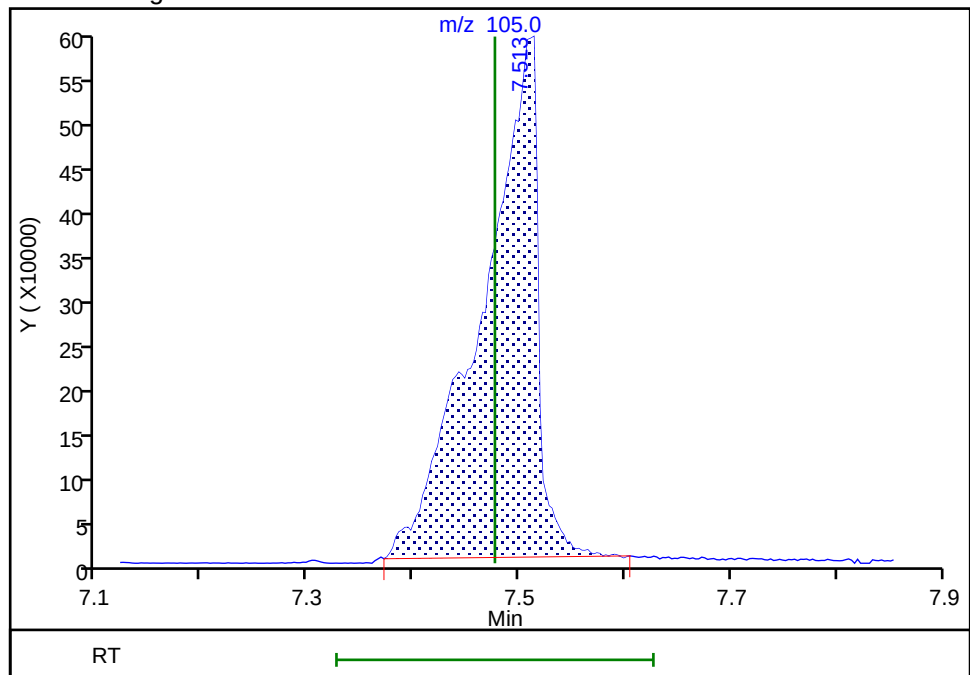
RT: 7.39
Area: 35914
Amount: -0.169071
Amount Units: ng/uL

Processing Integration Results



RT: 7.51
Area: 2192467
Amount: 38.965173
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:35:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826642.D
 Lims ID: IC - List 1 - 12
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 12-Nov-2021 14:06:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-009
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:58:02 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:39:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.627	6.625	0.002	93	304298	4.00	4.00	
* 2 Naphthalene-d8	136	7.719	7.715	0.004	99	1114103	4.00	4.00	
* 3 Acenaphthene-d10	164	9.209	9.205	0.004	90	669203	4.00	4.00	
* 4 Phenanthrene-d10	188	10.472	10.467	0.005	94	1232229	4.00	4.00	
* 5 Chrysene-d12	240	13.258	13.251	0.007	97	1207183	4.00	4.00	
* 6 Perylene-d12	264	15.525	15.518	0.007	98	1339129	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.483	5.482	0.001	89	1006962	12.0	12.3	
\$ 8 Phenol-d5	99	6.286	6.282	0.004	0	1140227	12.0	12.1	
\$ 9 Nitrobenzene-d5	82	7.098	7.094	0.004	87	1098363	12.0	12.0	M
\$ 10 2-Fluorobiphenyl	172	8.607	8.603	0.004	98	2713182	12.0	12.0	
\$ 11 2,4,6-Tribromophenol	330	9.876	9.872	0.004	90	612360	12.0	12.3	
\$ 12 p-Terphenyl-d14	244	11.888	11.883	0.005	96	3684474	12.0	11.7	
13 1,4-Dioxane	88	3.695	3.700	-0.005	89	342057	12.0	12.2	
14 N-Nitrosodimethylamine	42	4.093	4.086	0.007	92	402369	12.0	12.1	
15 Pyridine	52	4.132	4.131	0.001	96	887152	24.0	24.7	
35 Benzaldehyde	77	6.255	6.251	0.004	93	1228875	24.0	23.3	
37 Phenol	94	6.298	6.293	0.005	98	1170671	12.0	12.2	
36 Aniline	93	6.346	6.342	0.004	97	1486246	12.0	12.6	
39 Bis(2-chloroethyl)ether	93	6.377	6.373	0.004	98	717773	12.0	10.6	
40 2-Chlorophenol	128	6.454	6.449	0.005	94	1135917	12.0	12.2	
41 n-Decane	57	6.456	6.455	0.001	87	749747	12.0	11.9	
43 1,3-Dichlorobenzene	146	6.584	6.583	0.001	98	1356721	12.0	12.0	
44 1,4-Dichlorobenzene	146	6.644	6.642	0.002	97	1351444	12.0	11.9	
45 Benzyl alcohol	108	6.732	6.725	0.007	95	665181	12.0	12.5	
46 1,2-Dichlorobenzene	146	6.780	6.779	0.001	98	1294957	12.0	11.9	
48 2-Methylphenol	108	6.811	6.810	0.001	94	934890	12.0	12.1	
49 2,2'-oxybis[1-chloropropane]	45	6.834	6.830	0.004	84	777174	12.0	11.9	
47 Indene	115	6.859	6.855	0.004	88	8866555	60.0	55.6	
57 4-Methylphenol	108	6.936	6.932	0.004	97	986644	12.0	12.3	
53 N-Nitrosodi-n-propylamine	70	6.950	6.940	0.010	83	515561	12.0	11.4	
52 Acetophenone	105	6.962	6.955	0.008	97	1372904	12.0	12.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.072	7.074	-0.002	91	494546	12.0	12.0	
59 Nitrobenzene	77	7.112	7.111	0.001	85	958902	12.0	12.2	
62 Isophorone	82	7.308	7.301	0.007	98	1645919	12.0	12.0	
64 2-Nitrophenol	139	7.381	7.380	0.001	96	633610	12.0	12.0	
66 2,4-Dimethylphenol	107	7.387	7.383	0.004	92	1066839	12.0	12.7	
69 Bis(2-chloroethoxy)methane	93	7.461	7.457	0.004	98	1026097	12.0	12.6	
70 Benzoic acid	105	7.538	7.477	0.061	87	3501119	60.0	61.5	M
72 2,4-Dichlorophenol	162	7.586	7.582	0.004	90	1008366	12.0	12.2	
73 1,2,4-Trichlorobenzene	180	7.660	7.658	0.002	94	1100327	12.0	11.7	
74 Naphthalene	128	7.736	7.735	0.001	98	3275739	12.0	11.8	
76 4-Chloroaniline	127	7.762	7.755	0.007	97	1168762	12.0	11.7	
77 2,6-Dichlorophenol	162	7.776	7.772	0.004	97	999280	12.0	11.9	
79 Hexachlorobutadiene	225	7.827	7.828	-0.001	93	770115	12.0	11.9	
84 Caprolactam	113	8.088	8.053	0.035	88	604470	24.0	24.2	
85 4-Chloro-3-methylphenol	107	8.150	8.143	0.007	94	897518	12.0	12.7	
87 2-Methylnaphthalene	142	8.318	8.314	0.004	91	2304532	12.0	11.7	
89 1-Methylnaphthalene	142	8.406	8.402	0.004	91	2113655	12.0	11.7	
90 Hexachlorocyclopentadiene	237	8.448	8.447	0.001	92	918335	12.0	12.4	
91 1,2,4,5-Tetrachlorobenzene	216	8.460	8.458	0.002	95	1284063	12.0	11.8	
93 2,4,6-Trichlorophenol	196	8.545	8.544	0.001	89	820370	12.0	12.1	
94 2,4,5-Trichlorophenol	196	8.585	8.578	0.007	95	777964	12.0	11.5	
96 1,1'-Biphenyl	154	8.701	8.697	0.004	95	2791746	12.0	11.7	
97 2-Chloronaphthalene	162	8.735	8.731	0.004	96	2039676	12.0	11.4	
100 2-Nitroaniline	65	8.803	8.796	0.007	92	450811	12.0	11.4	
105 Dimethyl phthalate	163	8.925	8.918	0.007	99	2306759	12.0	11.6	
106 1,3-Dinitrobenzene	168	8.971	8.961	0.010	96	392638	12.0	11.9	
107 2,6-Dinitrotoluene	165	8.988	8.983	0.005	94	559977	12.0	11.7	
108 Acenaphthylene	152	9.095	9.091	0.004	97	3491200	12.0	11.9	
109 3-Nitroaniline	138	9.146	9.139	0.007	94	594155	12.0	12.1	
111 2,4-Dinitrophenol	184	9.232	9.225	0.007	88	719067	24.0	25.1	
110 Acenaphthene	153	9.237	9.236	0.001	92	2267806	12.0	11.6	
112 4-Nitrophenol	109	9.263	9.253	0.010	84	612575	24.0	24.4	
114 2,4-Dinitrotoluene	165	9.334	9.330	0.004	94	774826	12.0	11.8	
115 Dibenzofuran	168	9.382	9.378	0.004	96	3177995	12.0	11.8	
118 2,3,4,6-Tetrachlorophenol	232	9.476	9.469	0.007	68	739174	12.0	12.7	
121 Hexadecane	57	9.498	9.497	0.001	97	942557	12.0	12.1	
120 Diethyl phthalate	149	9.510	9.506	0.004	99	2320158	12.0	11.5	
123 4-Chlorophenyl phenyl ether	204	9.640	9.639	0.001	88	1320606	12.0	11.8	
126 4-Nitroaniline	138	9.669	9.659	0.010	94	606830	12.0	11.9	
124 Fluorene	166	9.671	9.667	0.004	95	2585049	12.0	12.3	
127 4,6-Dinitro-2-methylphenol	198	9.688	9.679	0.009	94	955995	24.0	24.8	
130 N-Nitrosodiphenylamine	169	9.737	9.733	0.004	63	1834203	12.0	11.9	
129 Diphenylamine	169	9.737	9.733	0.004	91	1834203	10.3	10.1	
131 1,2-Diphenylhydrazine	77	9.779	9.775	0.004	41	1832668	12.0	11.7	
132 Azobenzene	77	9.779	9.775	0.004	97	1832668	12.0	11.7	
139 4-Bromophenyl phenyl ether	248	10.060	10.056	0.004	59	926718	12.0	11.8	
140 Hexachlorobenzene	284	10.148	10.144	0.004	94	1199968	12.0	12.3	
143 Atrazine	200	10.159	10.150	0.009	94	1433704	24.0	22.8	
148 n-Octadecane	57	10.270	10.266	0.004	96	967227	12.0	11.8	
145 Pentachlorophenol	266	10.301	10.297	0.004	95	1153296	24.0	24.6	
151 Phenanthrene	178	10.494	10.490	0.004	97	3684664	12.0	11.5	
152 Anthracene	178	10.537	10.533	0.004	96	3639125	12.0	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.653	10.649	0.004	96	3194764	12.0	11.7	
157 Di-n-butyl phthalate	149	10.875	10.870	0.005	100	4052747	12.0	11.7	
164 Fluoranthene	202	11.550	11.546	0.004	97	4160378	12.0	11.7	
166 Benzidine	184	11.635	11.631	0.004	98	4109467	24.0	23.0	
167 Pyrene	202	11.791	11.787	0.004	97	4252199	12.0	11.7	
174 Butyl benzyl phthalate	149	12.396	12.391	0.005	95	1852815	12.0	12.2	
181 Bis(2-ethylhexyl) phthalate	149	13.116	13.115	0.001	93	2646912	12.0	12.2	
179 3,3'-Dichlorobenzidine	252	13.162	13.152	0.010	72	3566160	24.0	23.9	
180 Benzo[a]anthracene	228	13.241	13.234	0.007	97	4240843	12.0	11.6	
182 Chrysene	228	13.298	13.288	0.010	96	4047915	12.0	11.6	
184 Di-n-octyl phthalate	149	14.095	14.091	0.004	98	4509378	12.0	12.0	
186 Benzo[b]fluoranthene	252	14.895	14.883	0.012	96	4629404	12.0	12.0	
187 Benzo[k]fluoranthene	252	14.941	14.928	0.013	97	4453375	12.0	11.4	
189 Benzo[a]pyrene	252	15.440	15.428	0.012	76	4480264	12.0	12.1	
193 Indeno[1,2,3-cd]pyrene	276	17.449	17.431	0.018	96	5431346	12.0	12.1	a
194 Dibenz(a,h)anthracene	278	17.463	17.442	0.021	92	4746556	12.0	12.3	
195 Benzo[g,h,i]perylene	276	18.025	17.996	0.029	97	4716621	12.0	12.2	
S 261 Total Cresols	1				0			24.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00514

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 09:58:03

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826642.D

Injection Date: 12-Nov-2021 14:06:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 12

Worklist Smp#: 9

Client ID:

Injection Vol: 2.0 ul

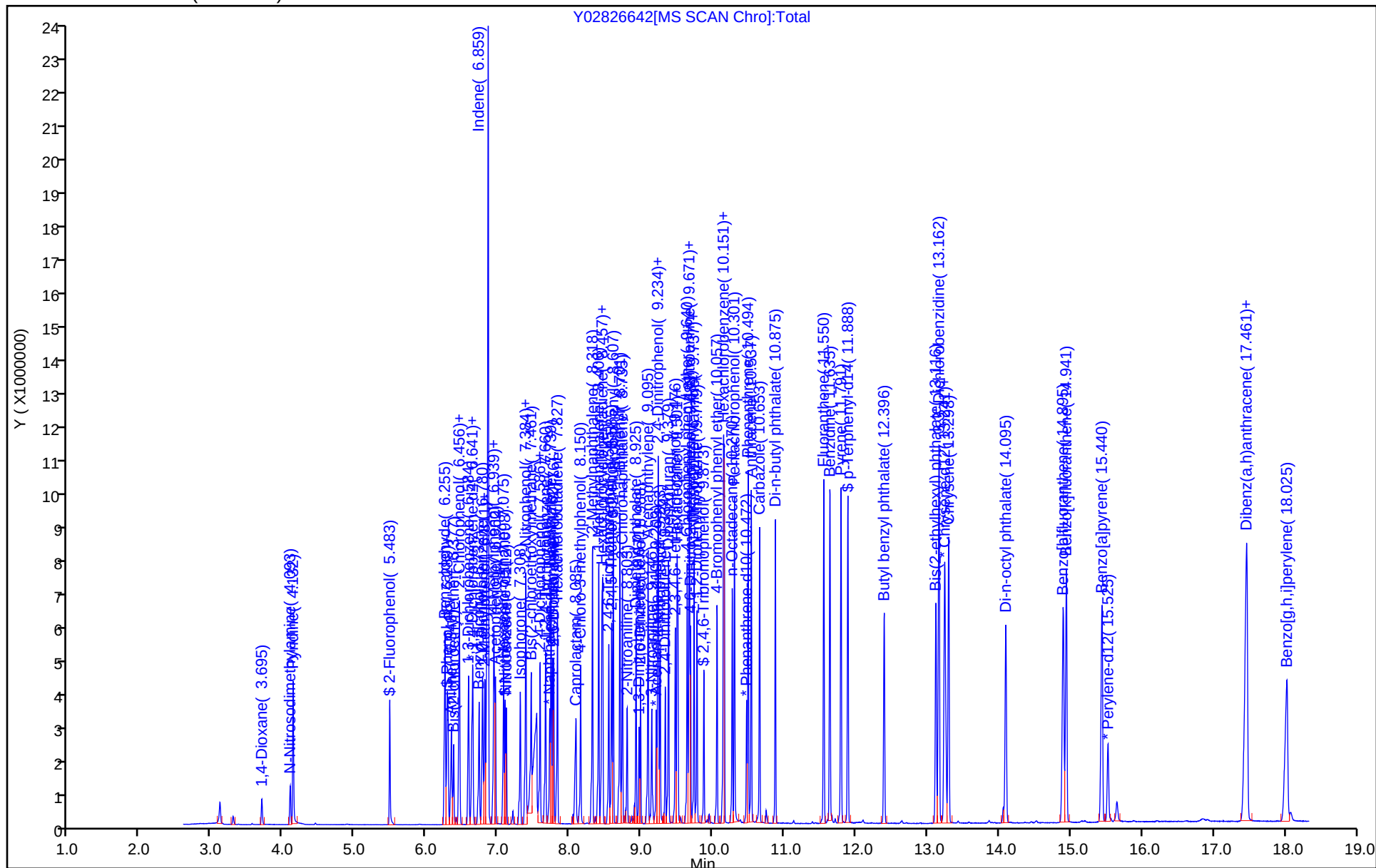
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826642.D

Injection Date: 12-Nov-2021 14:06:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 12

Client ID:

Operator ID: JM

ALS Bottle#:

9

Worklist Smp#: 9

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

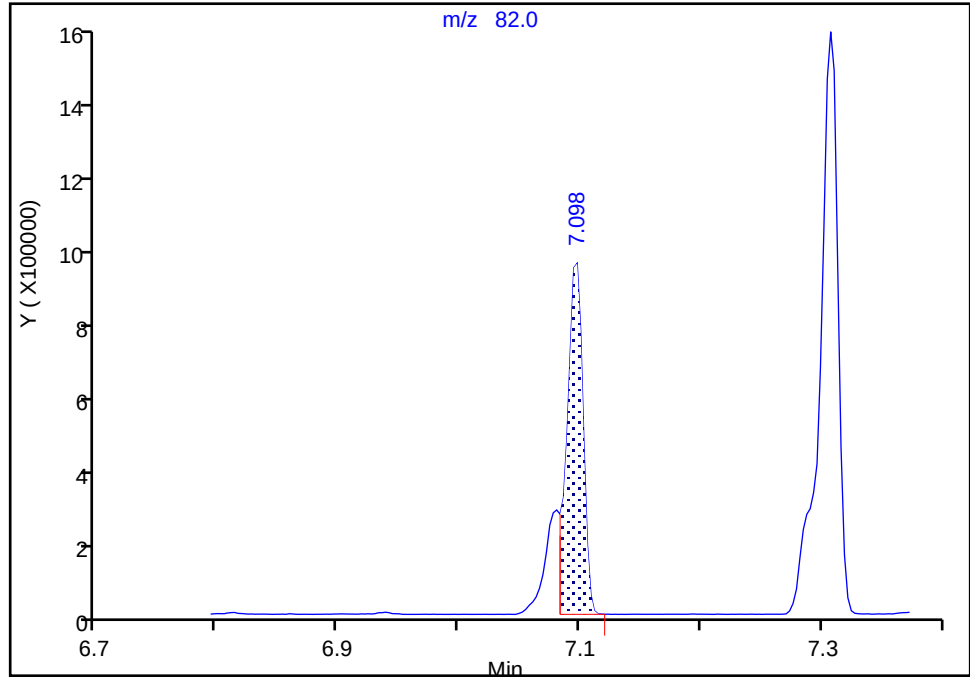
Detector: MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

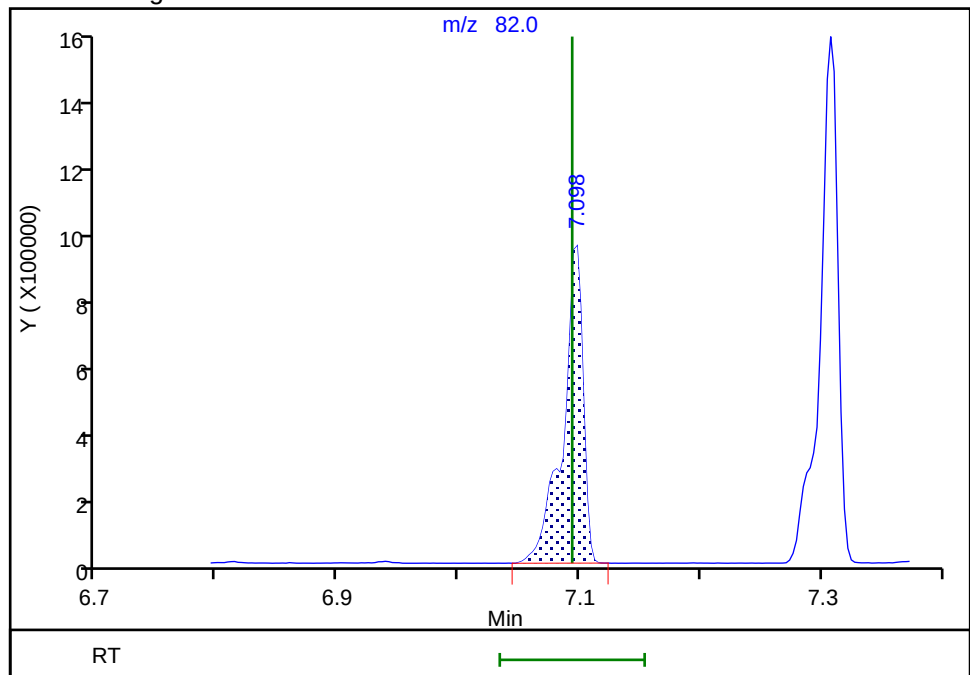
RT: 7.10
Area: 881142
Amount: 10.179542
Amount Units: ng/uL

Processing Integration Results



RT: 7.10
Area: 1098363
Amount: 11.969655
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:37:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826642.D

Injection Date: 12-Nov-2021 14:06:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 12

Client ID:

Operator ID: JM

ALS Bottle#:

9

Worklist Smp#: 9

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

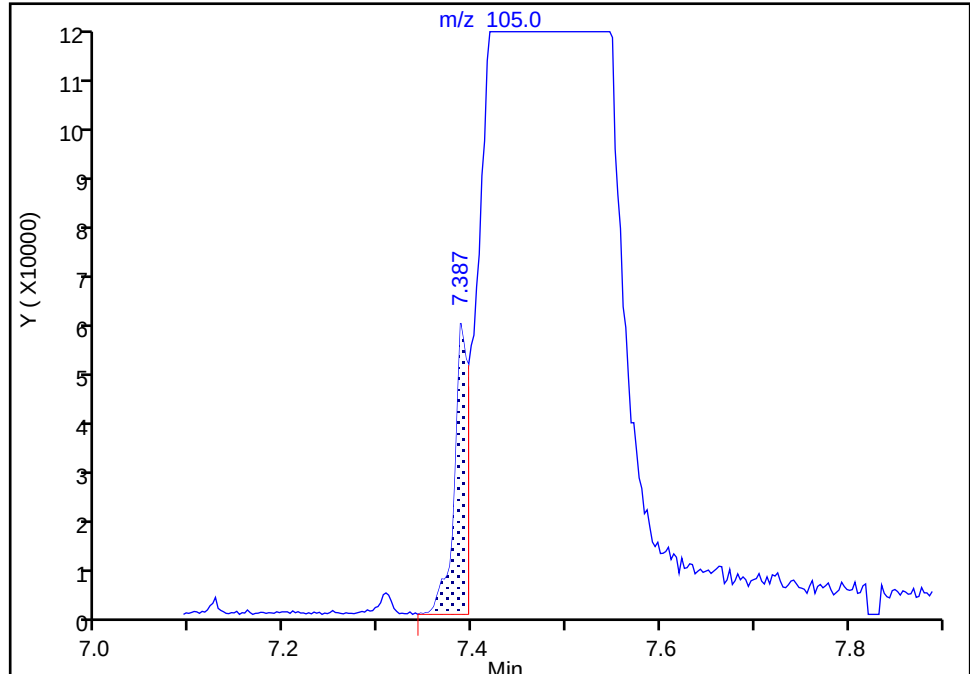
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

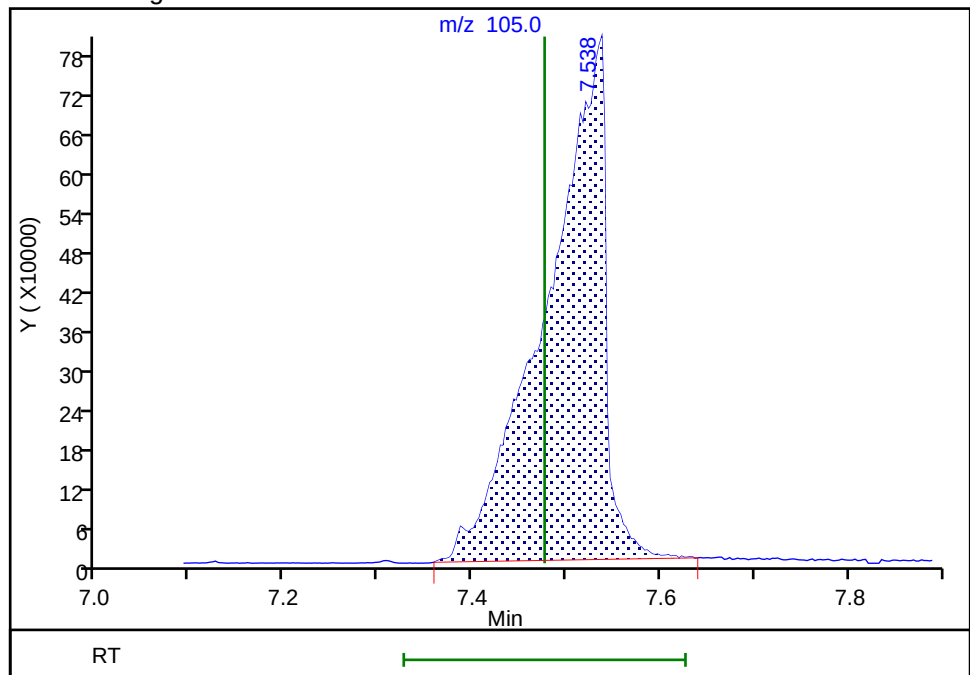
RT: 7.39
Area: 56806
Amount: 2.057795
Amount Units: ng/uL

Processing Integration Results



RT: 7.54
Area: 3501119
Amount: 61.529933
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:38:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826642.D

Injection Date: 12-Nov-2021 14:06:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 12

Client ID:

Operator ID: JM

ALS Bottle#:

9

Worklist Smp#: 9

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

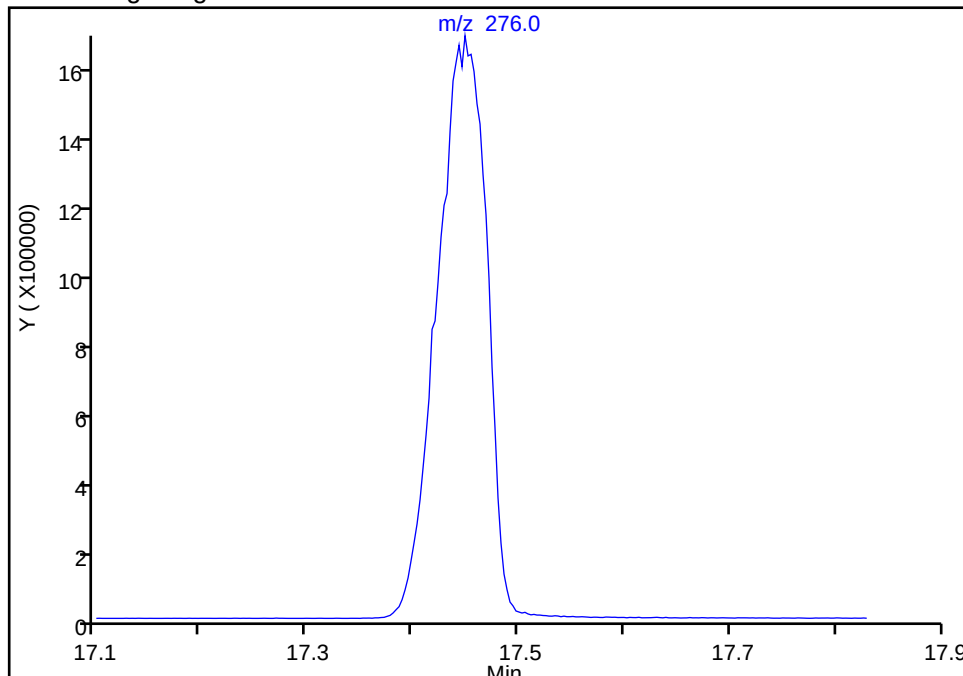
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

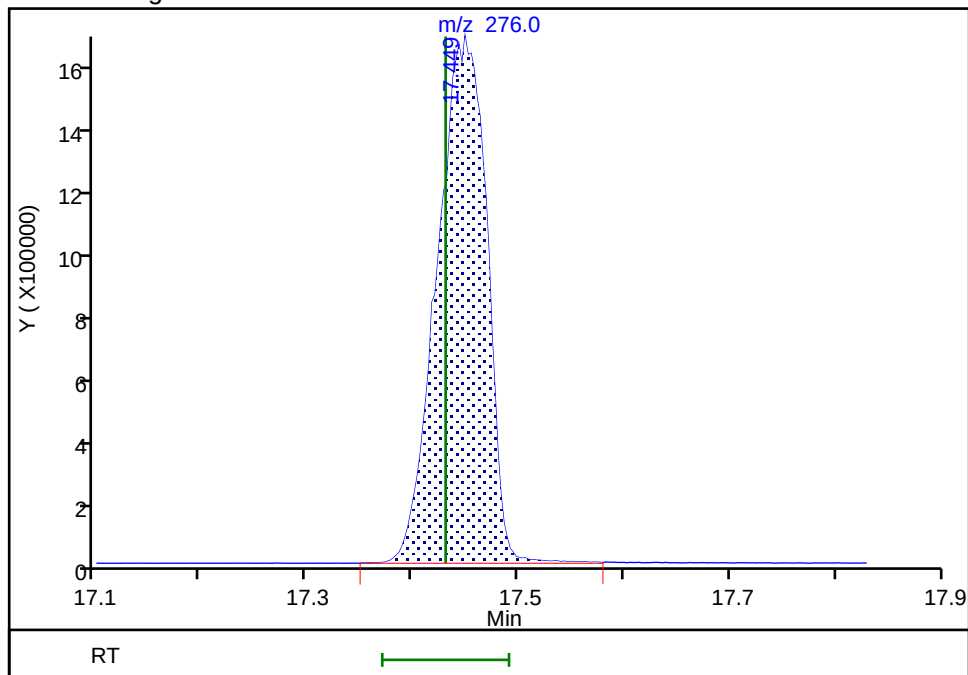
Not Detected

Expected RT: 17.43

Processing Integration Results



Manual Integration Results



RT: 17.45

Area: 5431346

Amount: 12.061124

Amount Units: ng/uL

Reviewer: marshallj, 12-Nov-2021 15:39:31

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D
 Lims ID: IC - List 1 - 16
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 12-Nov-2021 14:33:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-010
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:58:10 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:40:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.628	6.625	0.003	92	302153	4.00	4.00	a
* 2 Naphthalene-d8	136	7.721	7.715	0.006	99	1058020	4.00	4.00	
* 3 Acenaphthene-d10	164	9.211	9.205	0.006	90	651268	4.00	4.00	
* 4 Phenanthrene-d10	188	10.473	10.467	0.006	94	1200519	4.00	4.00	
* 5 Chrysene-d12	240	13.257	13.251	0.006	97	1175052	4.00	4.00	
* 6 Perylene-d12	264	15.524	15.518	0.006	98	1288557	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.485	5.482	0.003	89	1296057	16.0	16.0	
\$ 8 Phenol-d5	99	6.291	6.282	0.009	0	1512505	16.0	16.2	
\$ 9 Nitrobenzene-d5	82	7.097	7.094	0.003	86	1399130	16.0	16.1	M
\$ 10 2-Fluorobiphenyl	172	8.609	8.603	0.006	98	3421349	16.0	15.5	M
\$ 11 2,4,6-Tribromophenol	330	9.877	9.872	0.005	89	789770	16.0	16.2	
\$ 12 p-Terphenyl-d14	244	11.889	11.883	0.006	96	4782100	16.0	15.6	
13 1,4-Dioxane	88	3.694	3.700	-0.006	90	428648	16.0	15.4	
14 N-Nitrosodimethylamine	42	4.094	4.086	0.008	90	529101	16.0	16.0	
15 Pyridine	52	4.131	4.131	0.000	96	1152214	32.0	32.3	
35 Benzaldehyde	77	6.257	6.251	0.006	95	1540156	32.0	29.5	
37 Phenol	94	6.302	6.293	0.009	98	1503114	16.0	15.8	
36 Aniline	93	6.347	6.342	0.005	97	1942410	16.0	16.6	
39 Bis(2-chloroethyl)ether	93	6.379	6.373	0.006	99	947644	16.0	14.0	
40 2-Chlorophenol	128	6.455	6.449	0.006	94	1474000	16.0	15.9	
41 n-Decane	57	6.458	6.455	0.003	88	980093	16.0	15.7	
43 1,3-Dichlorobenzene	146	6.586	6.583	0.003	98	1742470	16.0	15.6	
44 1,4-Dichlorobenzene	146	6.643	6.642	0.001	95	1796233	16.0	15.9	
45 Benzyl alcohol	108	6.733	6.725	0.008	95	756522	16.0	14.4	
46 1,2-Dichlorobenzene	146	6.782	6.779	0.003	98	1642914	16.0	15.2	
48 2-Methylphenol	108	6.813	6.810	0.003	92	1236007	16.0	16.1	
49 2,2'-oxybis[1-chloropropane]	45	6.833	6.830	0.003	84	1011889	16.0	15.6	
47 Indene	115	6.861	6.855	0.006	90	11034029	80.0	69.7	e
57 4-Methylphenol	108	6.940	6.932	0.008	95	1285855	16.0	16.1	
53 N-Nitrosodi-n-propylamine	70	6.952	6.940	0.012	84	671970	16.0	15.0	a
52 Acetophenone	105	6.963	6.955	0.009	96	1641590	16.0	15.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.074	7.074	0.000	90	646485	16.0	15.8	
59 Nitrobenzene	77	7.116	7.111	0.005	85	1084117	16.0	14.5	
62 Isophorone	82	7.312	7.301	0.011	98	1949671	16.0	14.9	
64 2-Nitrophenol	139	7.383	7.380	0.003	95	819168	16.0	16.4	
66 2,4-Dimethylphenol	107	7.389	7.383	0.006	93	1228480	16.0	15.4	
69 Bis(2-chloroethoxy)methane	93	7.463	7.457	0.006	97	1240375	16.0	16.0	
70 Benzoic acid	105	7.556	7.477	0.079	88	4673792	80.0	85.4	M
72 2,4-Dichlorophenol	162	7.587	7.582	0.005	89	1234840	16.0	15.7	
73 1,2,4-Trichlorobenzene	180	7.661	7.658	0.003	94	1315429	16.0	14.8	
74 Naphthalene	128	7.741	7.735	0.006	98	4081660	16.0	15.4	
76 4-Chloroaniline	127	7.763	7.755	0.008	98	1459367	16.0	15.4	
77 2,6-Dichlorophenol	162	7.778	7.772	0.006	97	1346341	16.0	16.9	
79 Hexachlorobutadiene	225	7.829	7.828	0.001	93	1002320	16.0	16.3	
84 Caprolactam	113	8.098	8.053	0.045	87	781000	32.0	32.9	
85 4-Chloro-3-methylphenol	107	8.155	8.143	0.012	93	1066815	16.0	15.9	
87 2-Methylnaphthalene	142	8.317	8.314	0.003	92	2805193	16.0	15.0	
89 1-Methylnaphthalene	142	8.405	8.402	0.003	92	2781090	16.0	16.3	
90 Hexachlorocyclopentadiene	237	8.450	8.447	0.003	94	1158980	16.0	16.0	
91 1,2,4,5-Tetrachlorobenzene	216	8.461	8.458	0.003	96	1649961	16.0	15.6	
93 2,4,6-Trichlorophenol	196	8.547	8.544	0.003	88	1054750	16.0	16.0	M
94 2,4,5-Trichlorophenol	196	8.586	8.578	0.008	94	1051700	16.0	15.9	
96 1,1'-Biphenyl	154	8.703	8.697	0.006	95	3345267	16.0	14.5	
97 2-Chloronaphthalene	162	8.737	8.731	0.006	96	2627854	16.0	15.0	
100 2-Nitroaniline	65	8.805	8.796	0.009	92	597402	16.0	15.5	
105 Dimethyl phthalate	163	8.930	8.918	0.012	99	3001711	16.0	15.5	
106 1,3-Dinitrobenzene	168	8.972	8.961	0.011	95	527568	16.0	16.8	
107 2,6-Dinitrotoluene	165	8.992	8.983	0.009	91	757916	16.0	16.2	
108 Acenaphthylene	152	9.094	9.091	0.003	97	4173493	16.0	14.6	
109 3-Nitroaniline	138	9.148	9.139	0.009	93	720691	16.0	15.0	
111 2,4-Dinitrophenol	184	9.233	9.225	0.008	85	979163	32.0	34.8	
110 Acenaphthene	153	9.239	9.236	0.003	93	2758774	16.0	14.5	
112 4-Nitrophenol	109	9.267	9.253	0.014	84	781512	32.0	31.8	
114 2,4-Dinitrotoluene	165	9.338	9.330	0.008	94	996506	16.0	15.6	
115 Dibenzofuran	168	9.381	9.378	0.003	96	4089015	16.0	15.6	
118 2,3,4,6-Tetrachlorophenol	232	9.477	9.469	0.008	70	909651	16.0	16.1	
121 Hexadecane	57	9.500	9.497	0.003	96	1166250	16.0	15.4	
120 Diethyl phthalate	149	9.514	9.506	0.008	99	2937234	16.0	14.9	
123 4-Chlorophenyl phenyl ether	204	9.642	9.639	0.003	87	1665343	16.0	15.3	
126 4-Nitroaniline	138	9.673	9.659	0.014	53	795865	16.0	16.0	
124 Fluorene	166	9.673	9.667	0.006	92	3055708	16.0	14.9	
127 4,6-Dinitro-2-methylphenol	198	9.693	9.679	0.014	93	1205609	32.0	31.9	
130 N-Nitrosodiphenylamine	169	9.738	9.733	0.005	63	2287693	16.0	15.2	
129 Diphenylamine	169	9.738	9.733	0.005	92	2287693	13.7	13.0	
131 1,2-Diphenylhydrazine	77	9.778	9.775	0.003	43	2307939	16.0	15.2	
132 Azobenzene	77	9.778	9.775	0.003	97	2307939	16.0	15.2	
139 4-Bromophenyl phenyl ether	248	10.059	10.056	0.003	58	1242428	16.0	16.3	
140 Hexachlorobenzene	284	10.147	10.144	0.003	95	1530599	16.0	16.1	
143 Atrazine	200	10.164	10.150	0.014	94	1847246	32.0	30.2	
148 n-Octadecane	57	10.269	10.266	0.003	96	1273445	16.0	15.9	
145 Pentachlorophenol	266	10.303	10.297	0.006	95	1587314	32.0	34.4	
151 Phenanthrene	178	10.496	10.490	0.006	96	4732128	16.0	15.1	
152 Anthracene	178	10.539	10.533	0.006	96	4648144	16.0	15.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.655	10.649	0.006	96	4145479	16.0	15.6	
157 Di-n-butyl phthalate	149	10.873	10.870	0.003	100	5209132	16.0	15.4	
164 Fluoranthene	202	11.552	11.546	0.006	97	5351448	16.0	15.4	
166 Benzidine	184	11.640	11.631	0.009	99	5124677	32.0	29.5	
167 Pyrene	202	11.793	11.787	0.006	99	5430525	16.0	15.3	
174 Butyl benzyl phthalate	149	12.394	12.391	0.003	95	2390620	16.0	16.1	
181 Bis(2-ethylhexyl) phthalate	149	13.121	13.115	0.006	94	3521521	16.0	16.7	
179 3,3'-Dichlorobenzidine	252	13.166	13.152	0.014	72	4629106	32.0	31.9	
180 Benzo[a]anthracene	228	13.243	13.234	0.009	97	5506391	16.0	15.5	
182 Chrysene	228	13.302	13.288	0.014	96	5232804	16.0	15.5	
184 Di-n-octyl phthalate	149	14.097	14.091	0.006	98	5911293	16.0	16.1	
186 Benzo[b]fluoranthene	252	14.903	14.883	0.020	96	6037366	16.0	16.2	
187 Benzo[k]fluoranthene	252	14.945	14.928	0.017	98	5801832	16.0	15.4	
189 Benzo[a]pyrene	252	15.448	15.428	0.020	77	5759777	16.0	16.2	
193 Indeno[1,2,3-cd]pyrene	276	17.462	17.431	0.031	96	7174476	16.0	16.6	a
194 Dibenz(a,h)anthracene	278	17.476	17.442	0.034	92	6371487	16.0	17.1	
195 Benzo[g,h,i]perylene	276	18.035	17.996	0.039	97	6185186	16.0	16.6	a
S 261 Total Cresols	1				0			32.3	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00515

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 09:58:10

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 16

Worklist Smp#: 10

Client ID:

Injection Vol: 2.0 ul

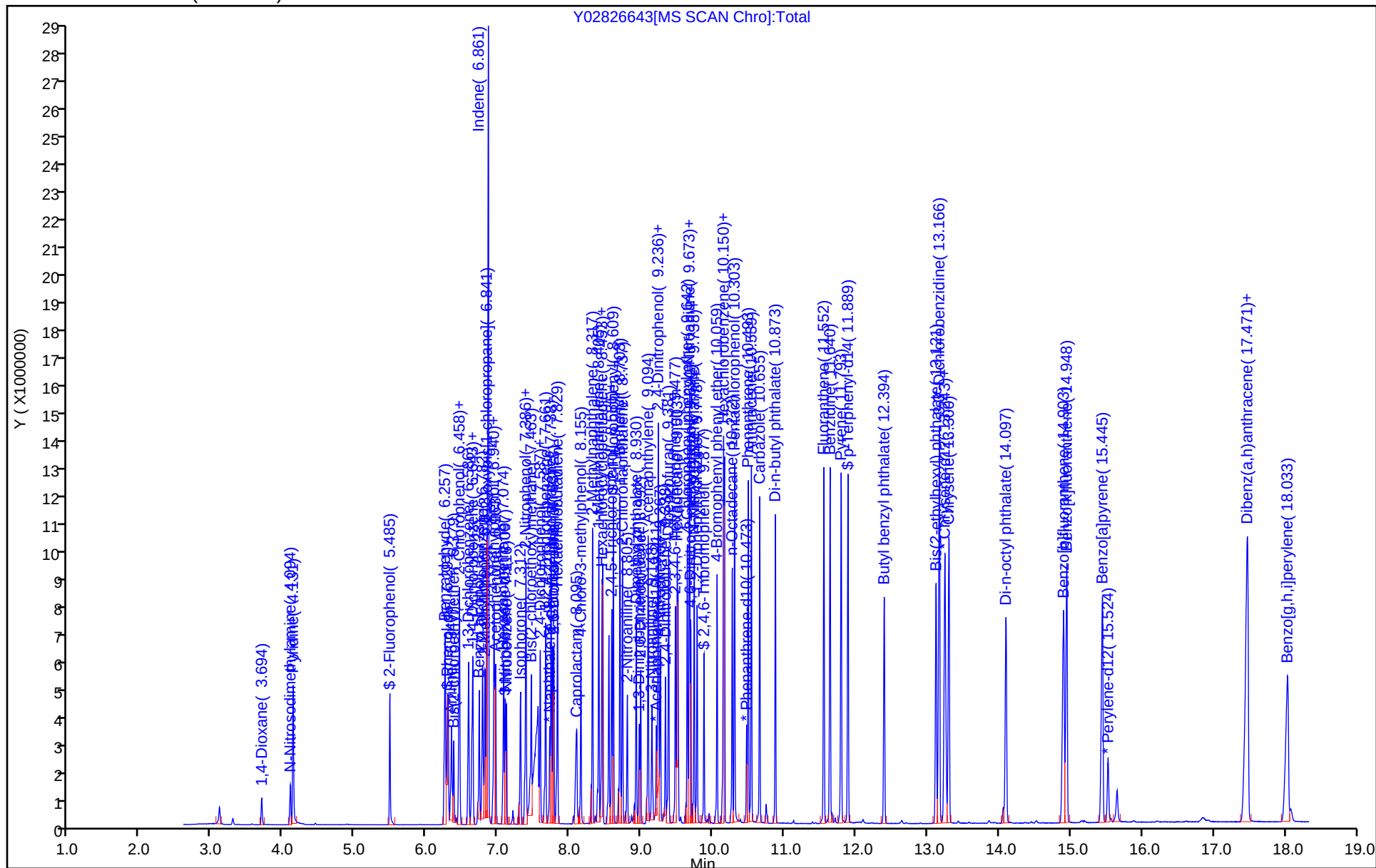
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 16

Client ID:

Operator ID: JM

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

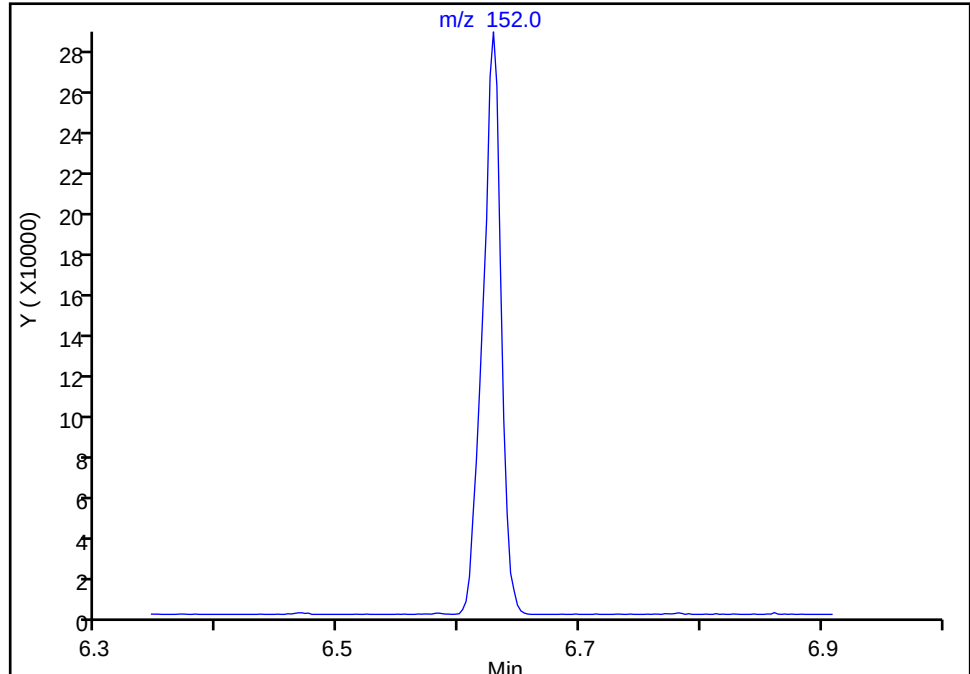
* 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

Not Detected

Expected RT: 6.63

Processing Integration Results



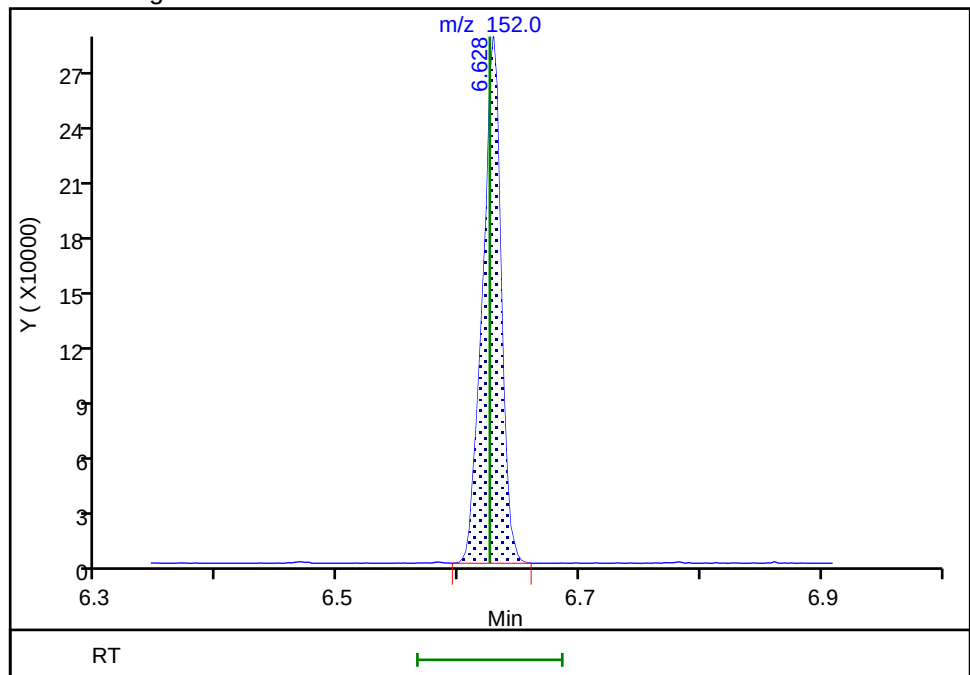
RT: 6.63

Area: 302153

Amount: 4.000000

Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:40:02

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 16

Client ID:

Operator ID: JM

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

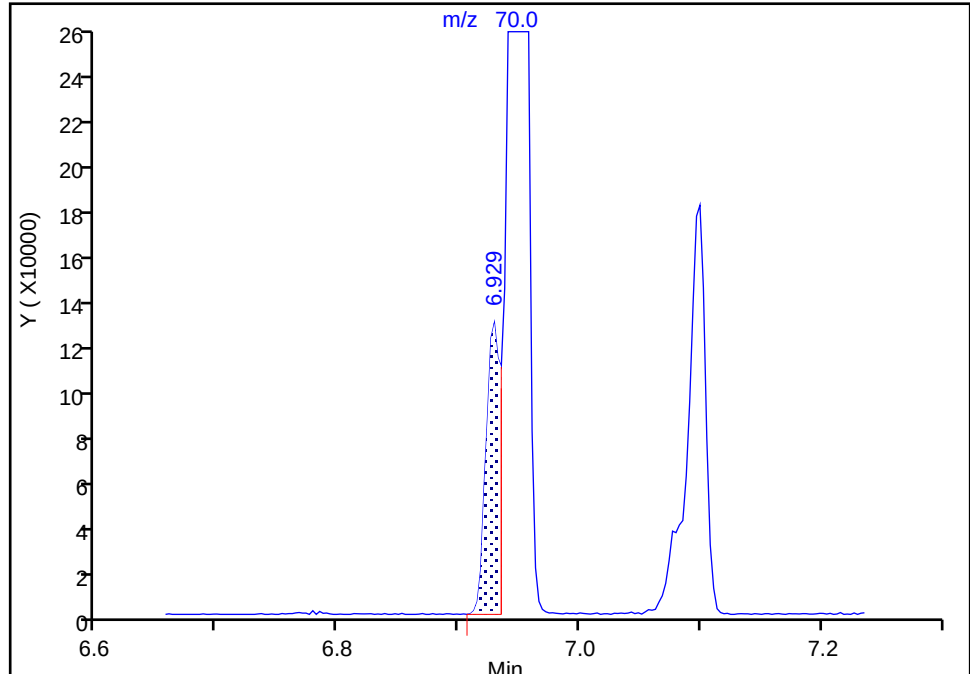
MS SCAN

53 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

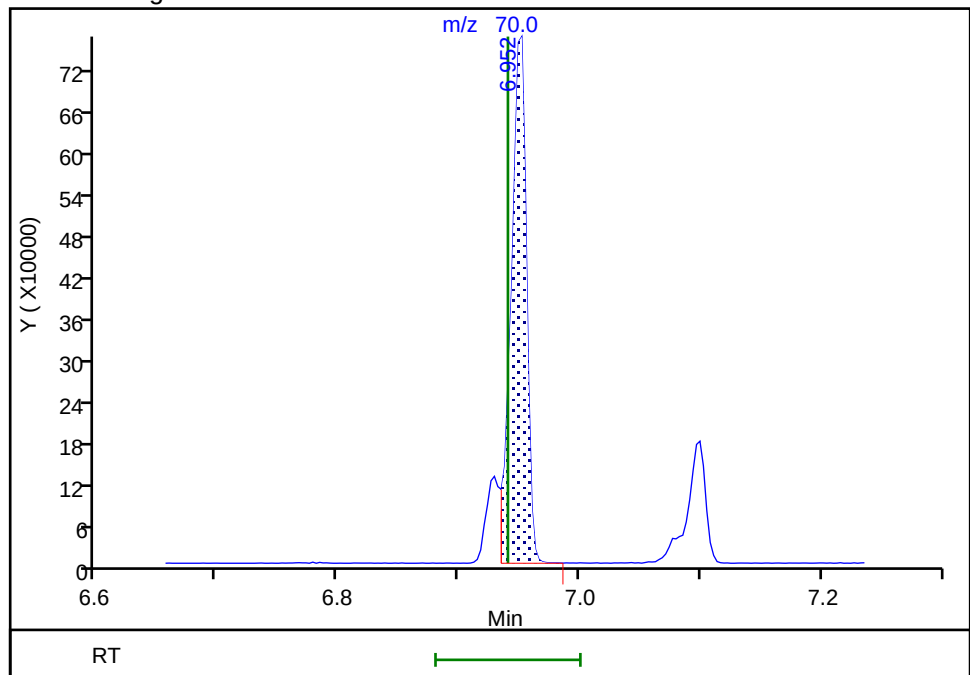
RT: 6.93
Area: 107349
Amount: 2.698951
Amount Units: ng/uL

Processing Integration Results



RT: 6.95
Area: 671970
Amount: 14.994111
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:40:57

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 16

Client ID:

Operator ID: JM

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

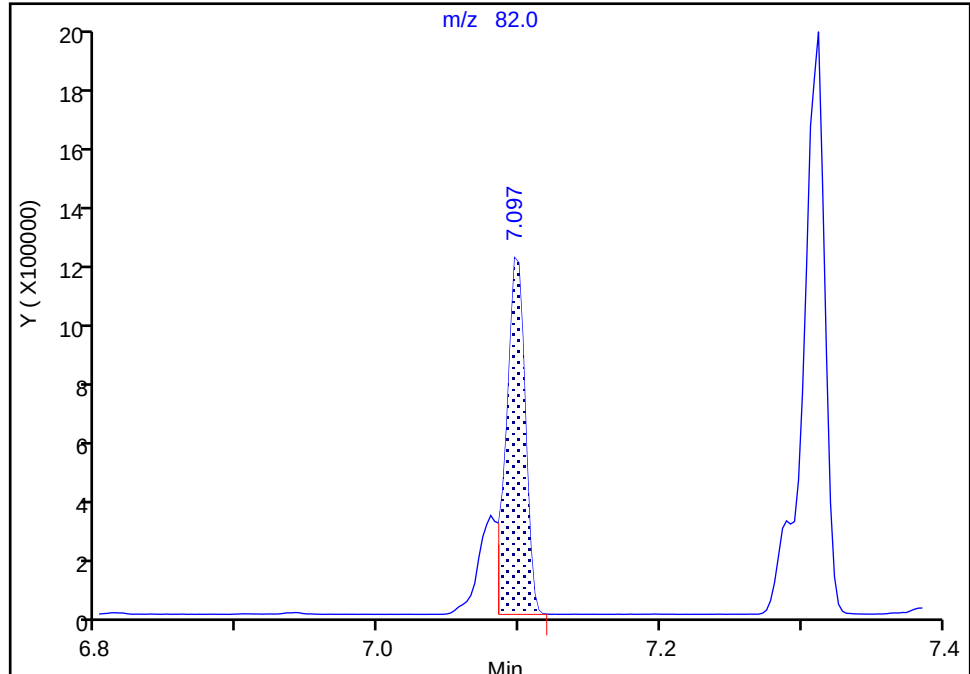
MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

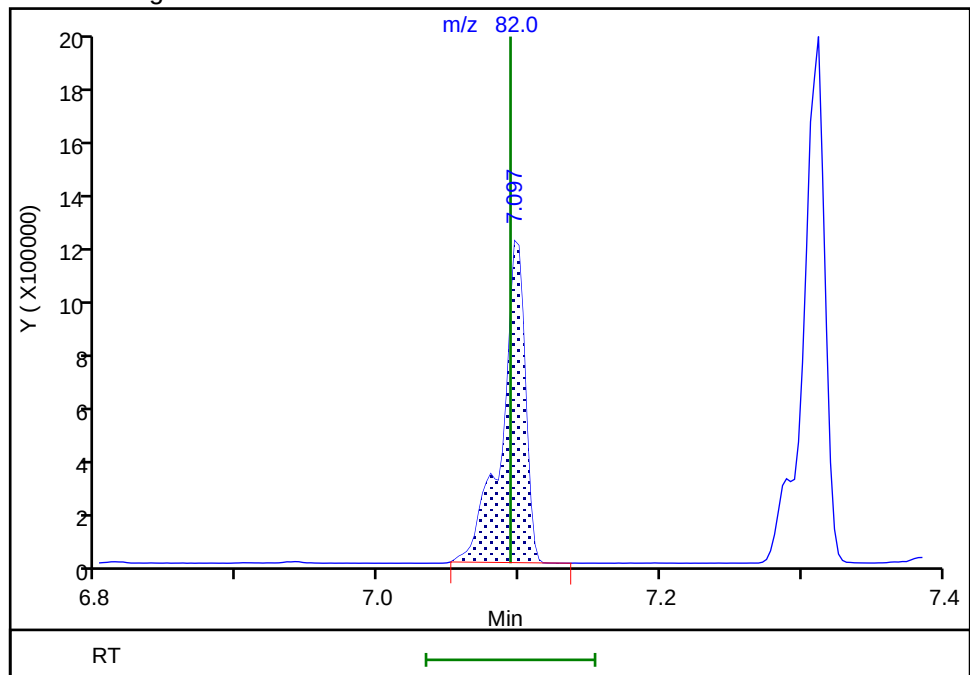
RT: 7.10
Area: 1120861
Amount: 13.239791
Amount Units: ng/uL

Processing Integration Results



RT: 7.10
Area: 1399130
Amount: 16.055554
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:40:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 16

Client ID:

Operator ID: JM

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

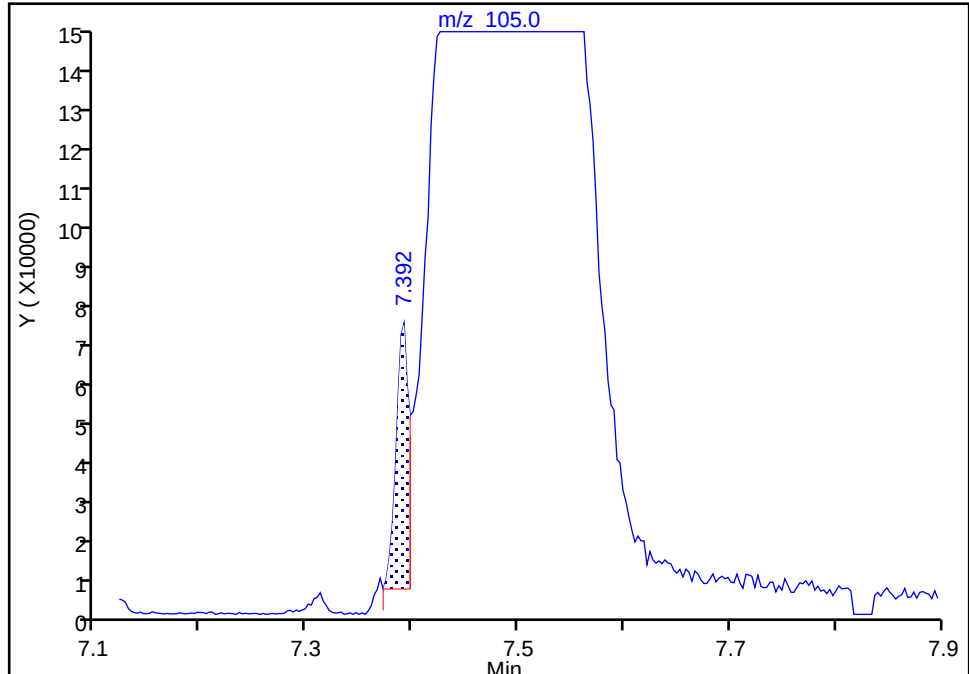
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

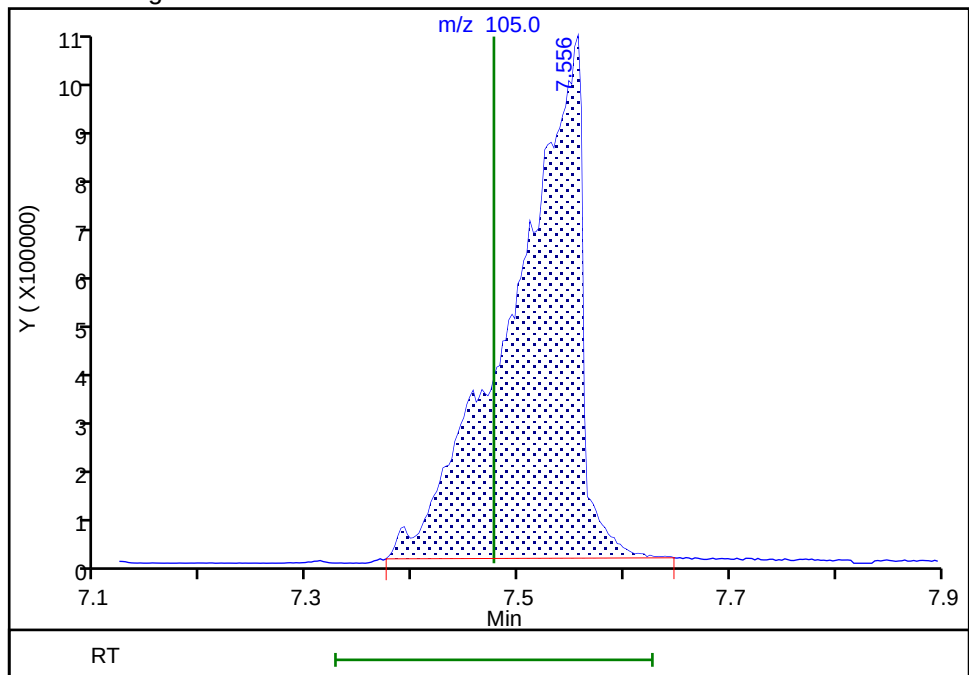
RT: 7.39
Area: 54500
Amount: 2.518222
Amount Units: ng/uL

Processing Integration Results



RT: 7.56
Area: 4673792
Amount: 85.429217
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:39:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 16

Client ID:

Operator ID: JM

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

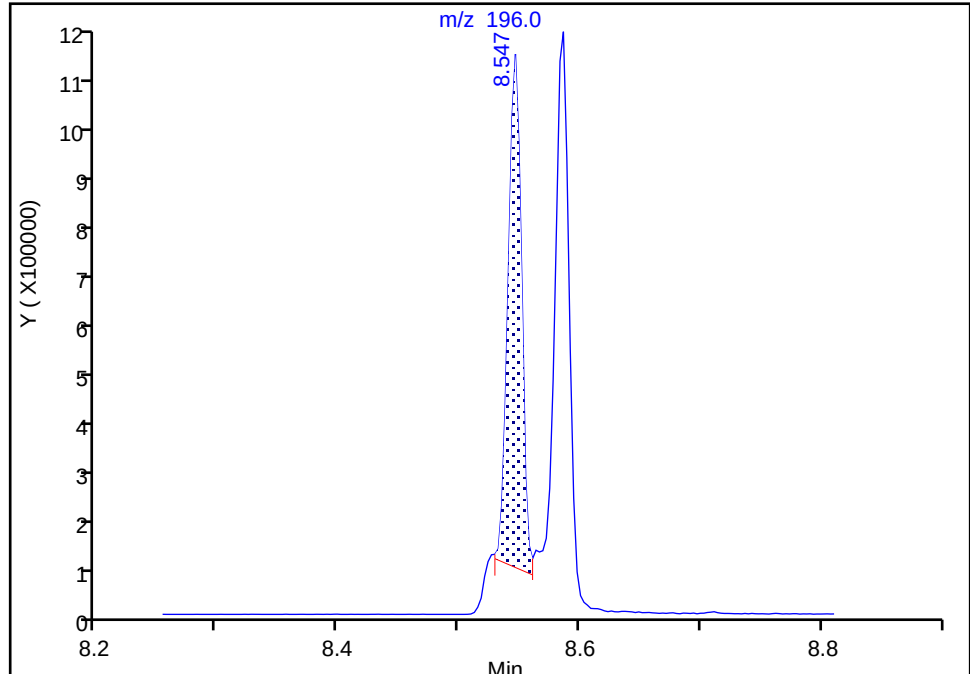
MS SCAN

93 2,4,6-Trichlorophenol, CAS: 88-06-2

Signal: 1

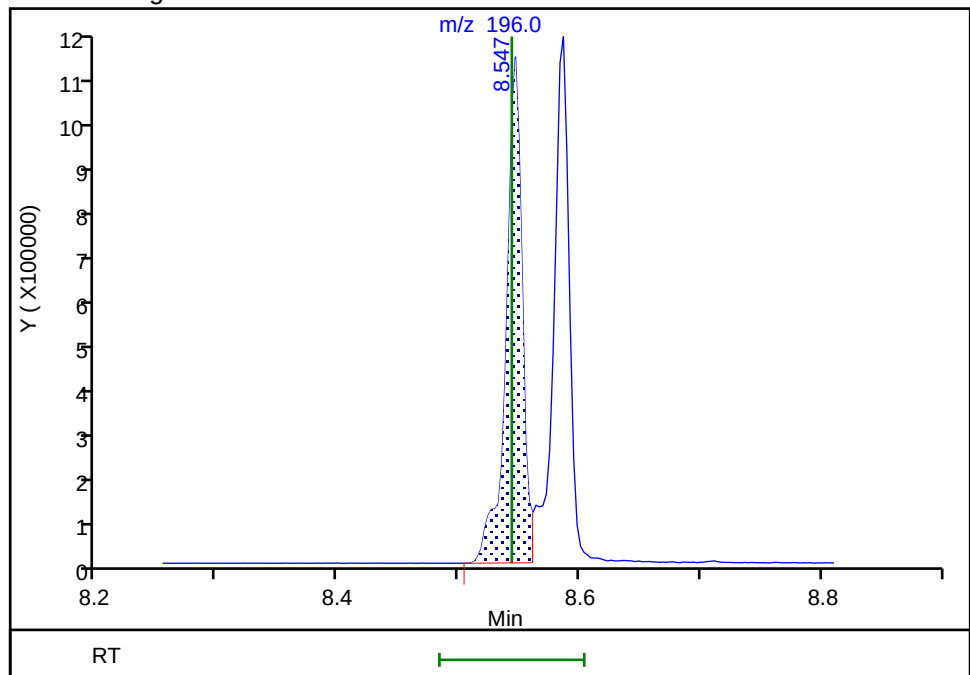
RT: 8.55
Area: 800333
Amount: 12.828163
Amount Units: ng/uL

Processing Integration Results



RT: 8.55
Area: 1054750
Amount: 15.962735
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:41:55

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 16

Client ID:

Operator ID: JM

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

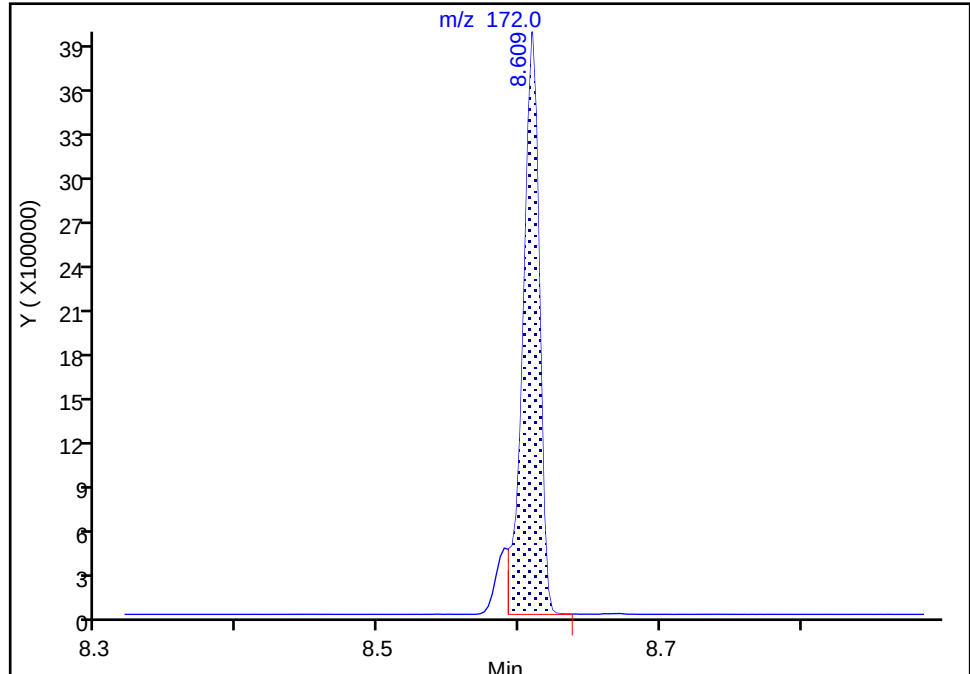
MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

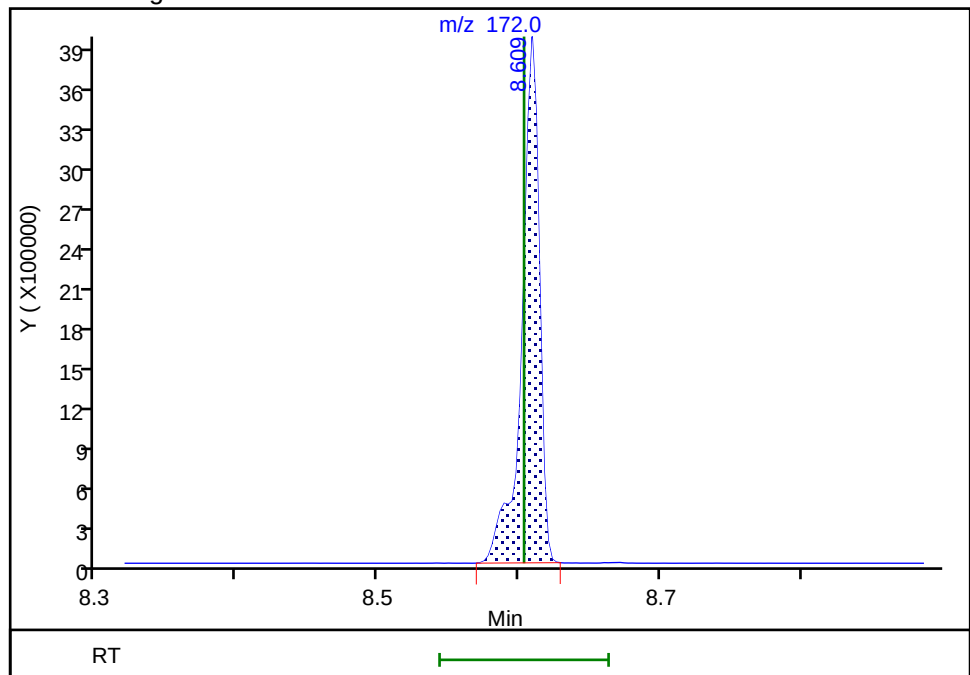
RT: 8.61
Area: 3203967
Amount: 14.643619
Amount Units: ng/uL

Processing Integration Results



RT: 8.61
Area: 3421349
Amount: 15.499660
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:40:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 16

Client ID:

Operator ID: JM

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

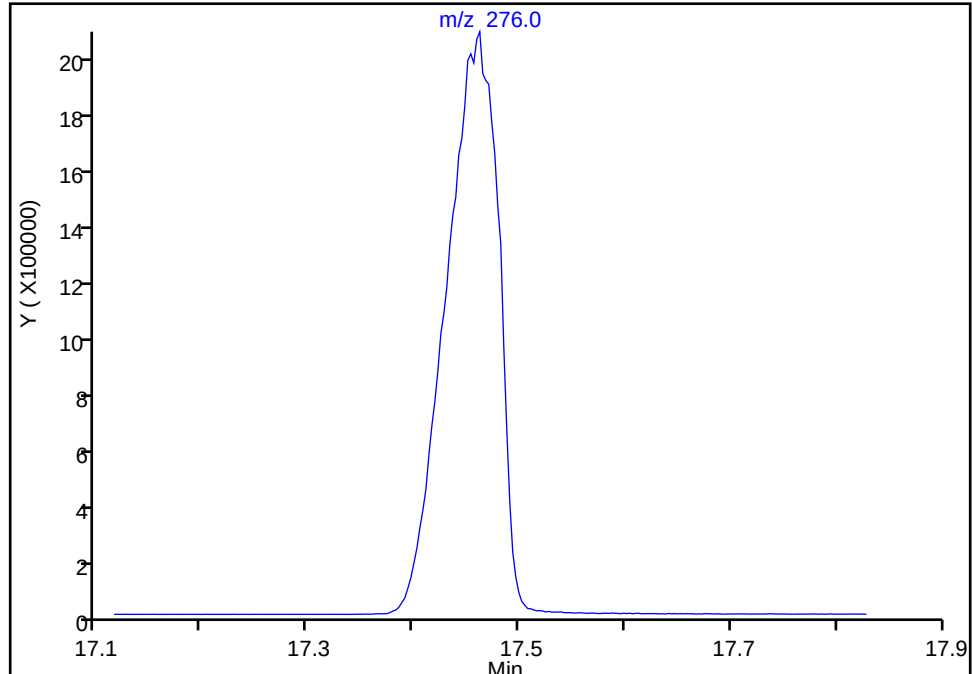
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

Not Detected

Expected RT: 17.43

Processing Integration Results



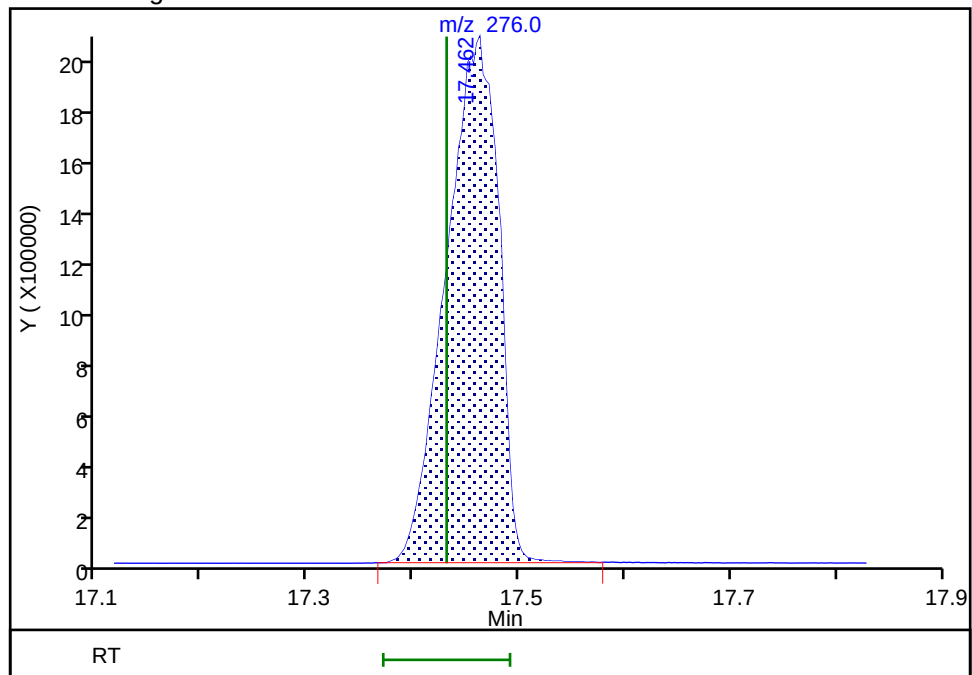
RT: 17.46

Area: 7174476

Amount: 16.551392

Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:39:46

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D

Injection Date: 12-Nov-2021 14:33:30

Instrument ID: HP5973Y

Lims ID: IC - List 1 - 16

Client ID:

Operator ID: JM

ALS Bottle#:

10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

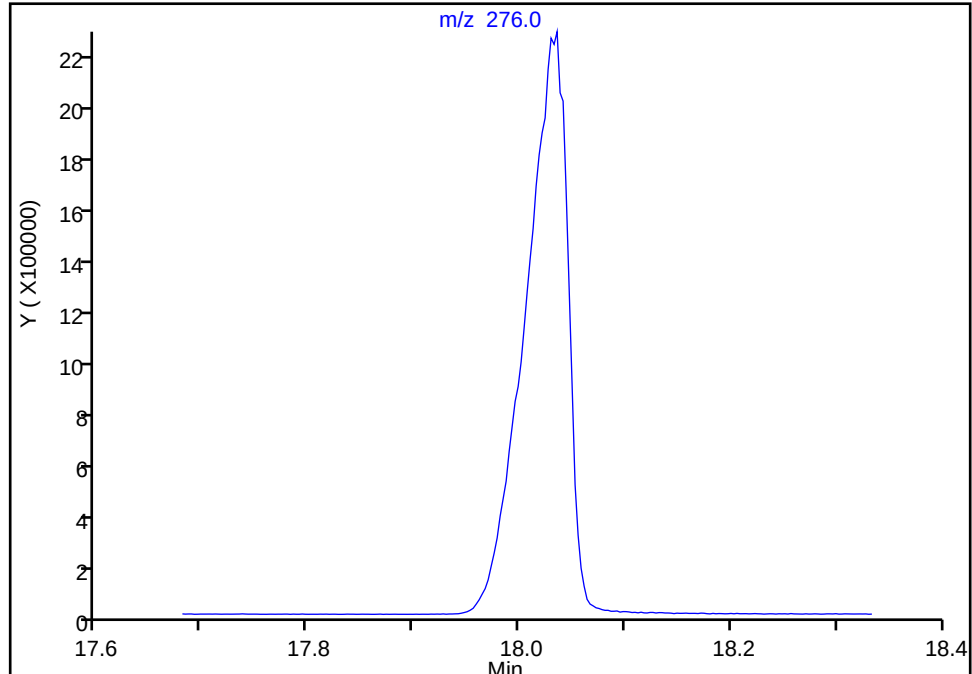
195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

Not Detected

Expected RT: 18.00

Processing Integration Results



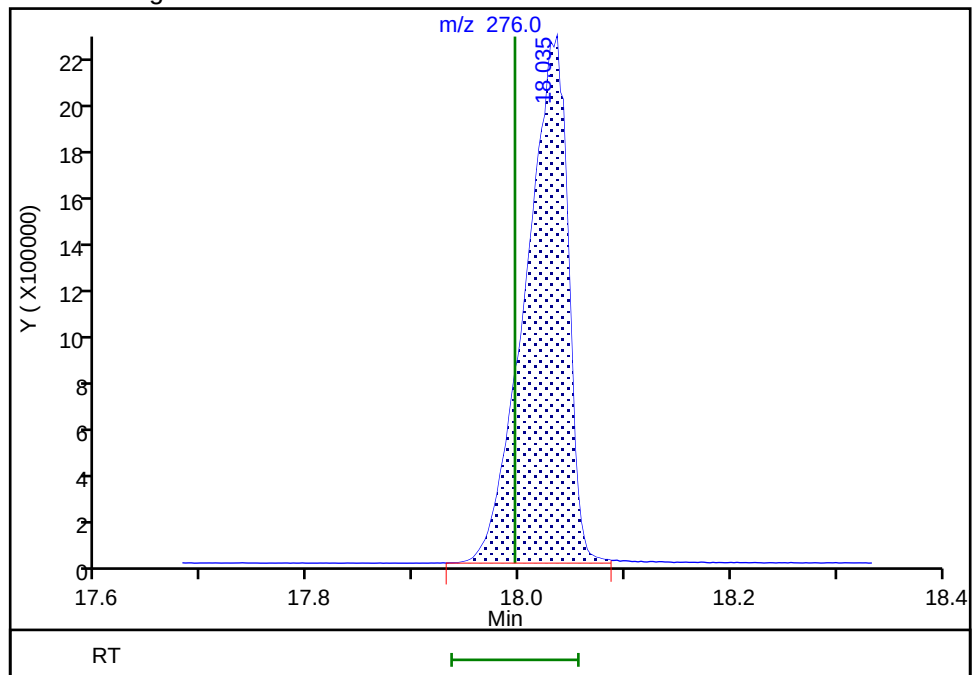
RT: 18.04

Area: 6185186

Amount: 16.589438

Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:39:45

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Calibration

/ 1,4-Dioxane

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

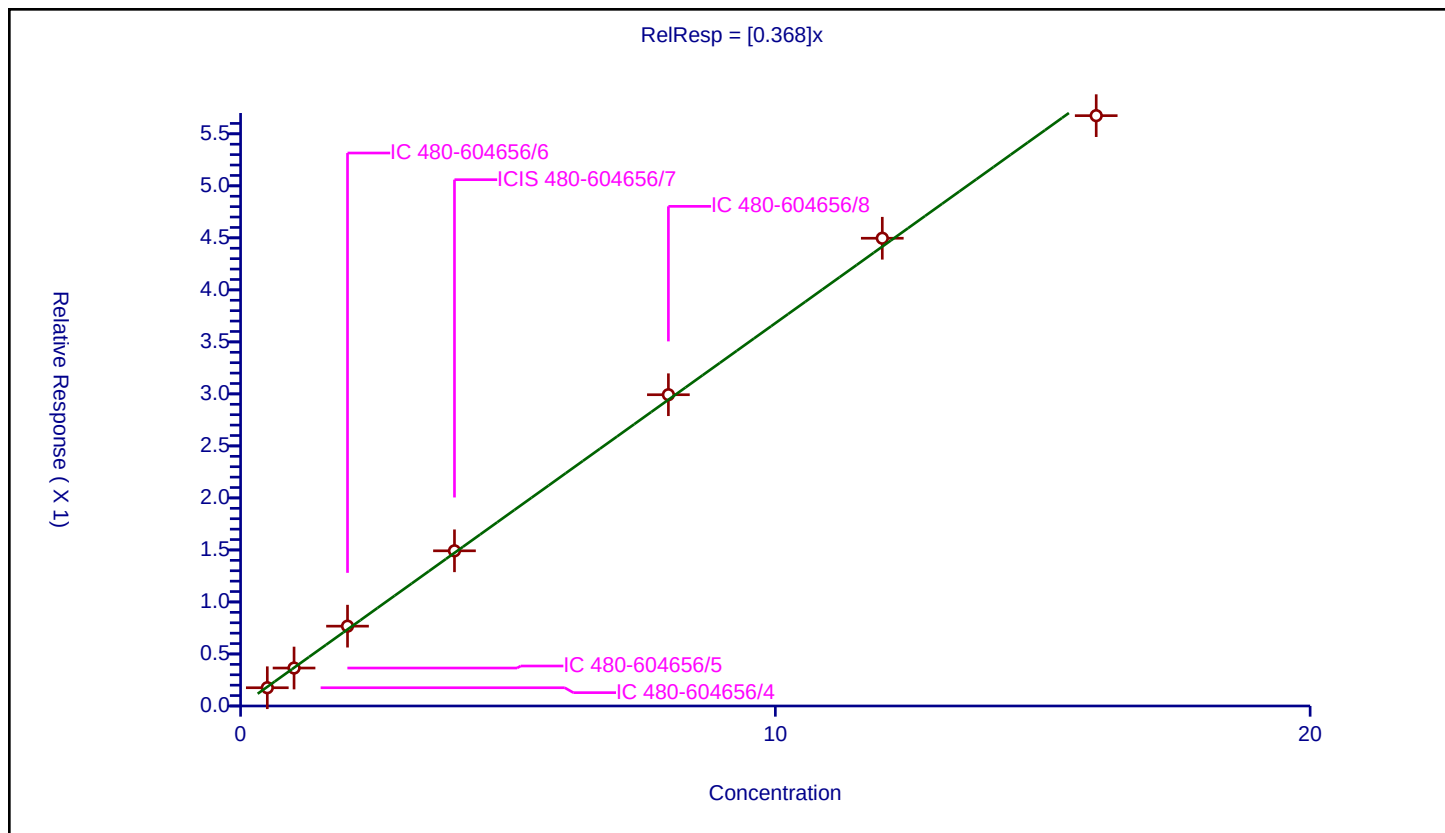
Curve Coefficients

Intercept: 0
 Slope: 0.368

Error Coefficients

Standard Error: 249000
 Relative Standard Error: 3.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.175542	4.0	304337.0	0.351084	Y
2	IC 480-604656/5	1.0	0.36483	4.0	307771.0	0.36483	Y
3	IC 480-604656/6	2.0	0.767405	4.0	307191.0	0.383703	Y
4	ICIS 480-604656/7	4.0	1.491727	4.0	308051.0	0.372932	Y
5	IC 480-604656/8	8.0	2.992057	4.0	309839.0	0.374007	Y
6	IC 480-604656/9	12.0	4.496342	4.0	304298.0	0.374695	Y
7	IC 480-604656/10	16.0	5.674582	4.0	302153.0	0.354661	Y



Calibration

/ N-Nitrosodimethylamine

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

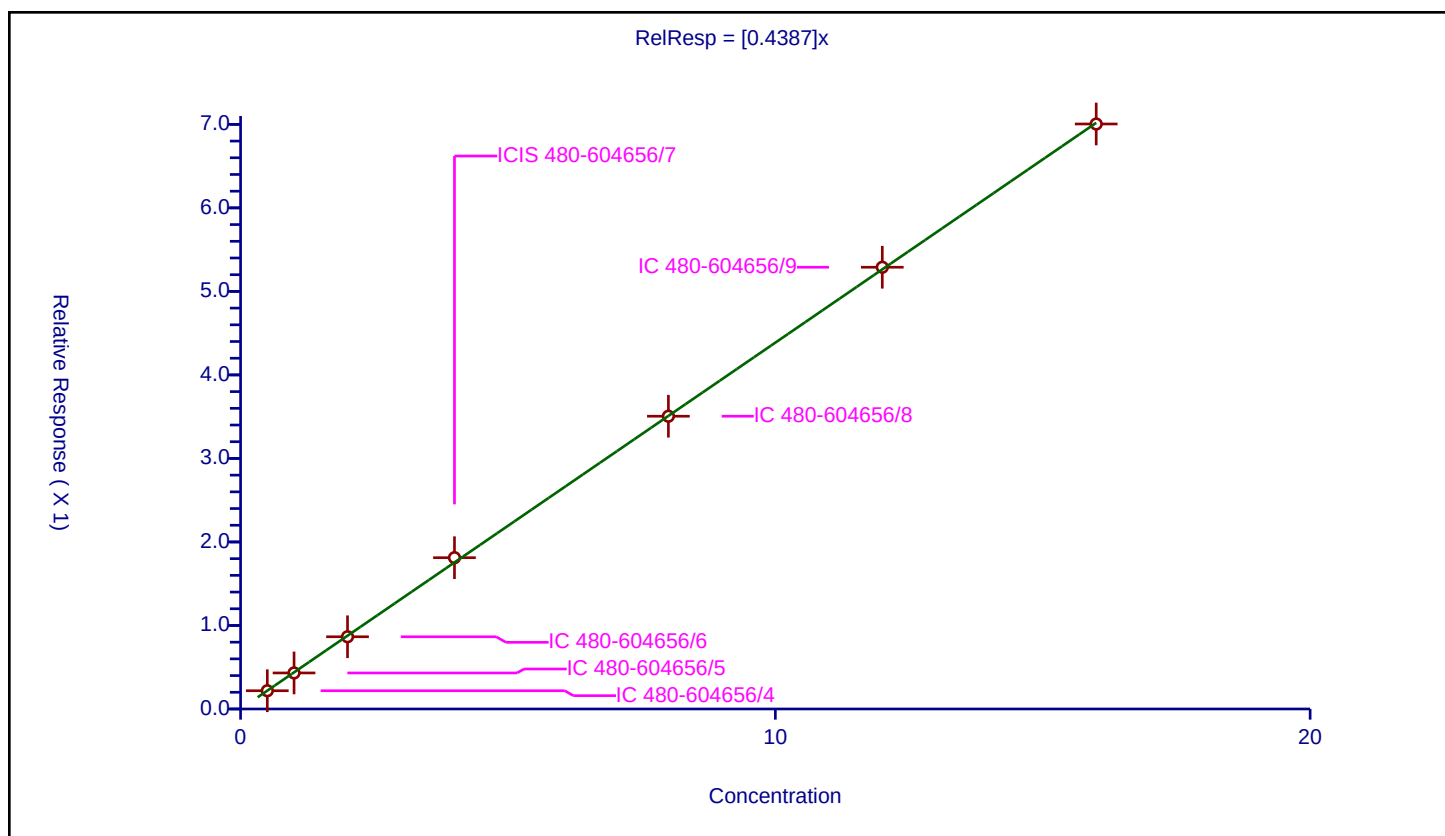
Curve Coefficients

Intercept: 0
Slope: 0.4387

Error Coefficients

Standard Error: 300000
Relative Standard Error: 1.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.21856	4.0	304337.0	0.437121	Y
2	IC 480-604656/5	1.0	0.431464	4.0	307771.0	0.431464	Y
3	IC 480-604656/6	2.0	0.864856	4.0	307191.0	0.432428	Y
4	ICIS 480-604656/7	4.0	1.811401	4.0	308051.0	0.45285	Y
5	IC 480-604656/8	8.0	3.505395	4.0	309839.0	0.438174	Y
6	IC 480-604656/9	12.0	5.289144	4.0	304298.0	0.440762	Y
7	IC 480-604656/10	16.0	7.004412	4.0	302153.0	0.437776	Y



Calibration

/ Pyridine

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

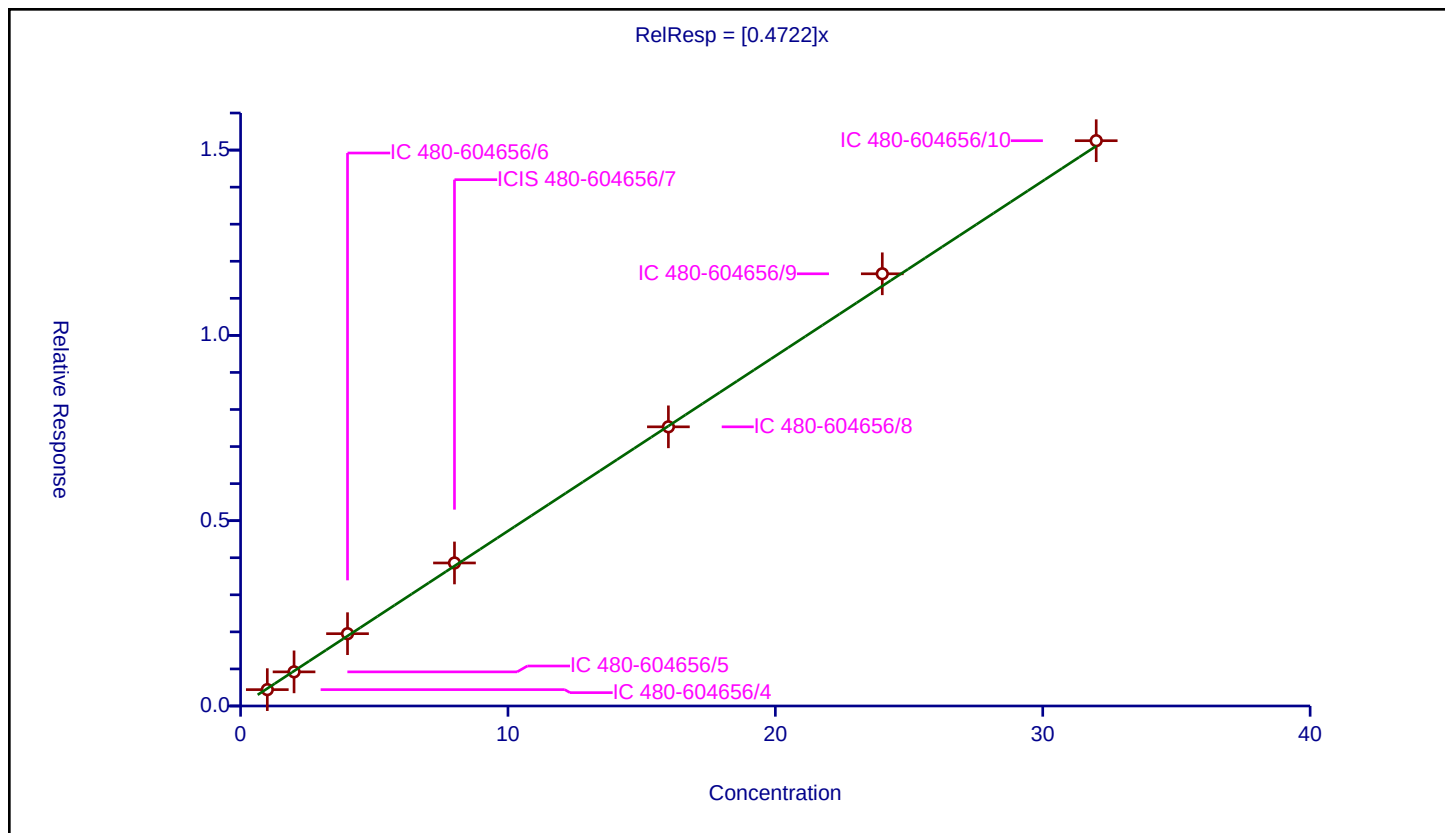
Curve Coefficients

Intercept: 0
 Slope: 0.4722

Error Coefficients

Standard Error: 655000
 Relative Standard Error: 3.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.441248	4.0	304337.0	0.441248	Y
2	IC 480-604656/5	2.0	0.920672	4.0	307771.0	0.460336	Y
3	IC 480-604656/6	4.0	1.950917	4.0	307191.0	0.487729	Y
4	ICIS 480-604656/7	8.0	3.859309	4.0	308051.0	0.482414	Y
5	IC 480-604656/8	16.0	7.532183	4.0	309839.0	0.470761	Y
6	IC 480-604656/9	24.0	11.661621	4.0	304298.0	0.485901	Y
7	IC 480-604656/10	32.0	15.253385	4.0	302153.0	0.476668	Y



Calibration

/ 2-Fluorophenol

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

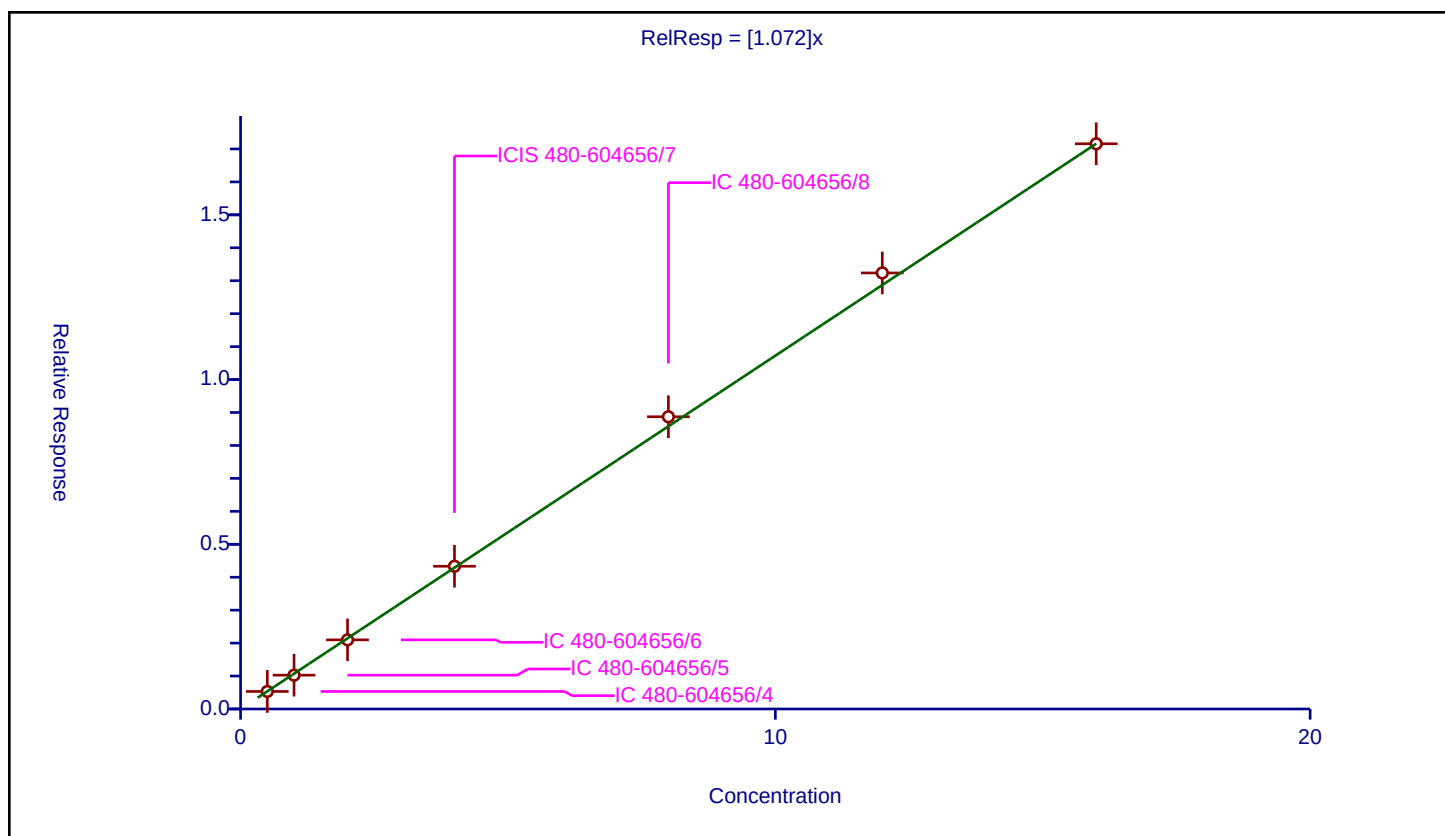
Curve Coefficients

Intercept: 0
 Slope: 1.072

Error Coefficients

Standard Error: 743000
 Relative Standard Error: 2.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.531831	4.0	304337.0	1.063663	Y
2	IC 480-604656/5	1.0	1.026984	4.0	307771.0	1.026984	Y
3	IC 480-604656/6	2.0	2.098291	4.0	307191.0	1.049145	Y
4	ICIS 480-604656/7	4.0	4.33314	4.0	308051.0	1.083285	Y
5	IC 480-604656/8	8.0	8.870517	4.0	309839.0	1.108815	Y
6	IC 480-604656/9	12.0	13.236525	4.0	304298.0	1.103044	Y
7	IC 480-604656/10	16.0	17.157625	4.0	302153.0	1.072352	Y



Calibration

/ Benzaldehyde

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

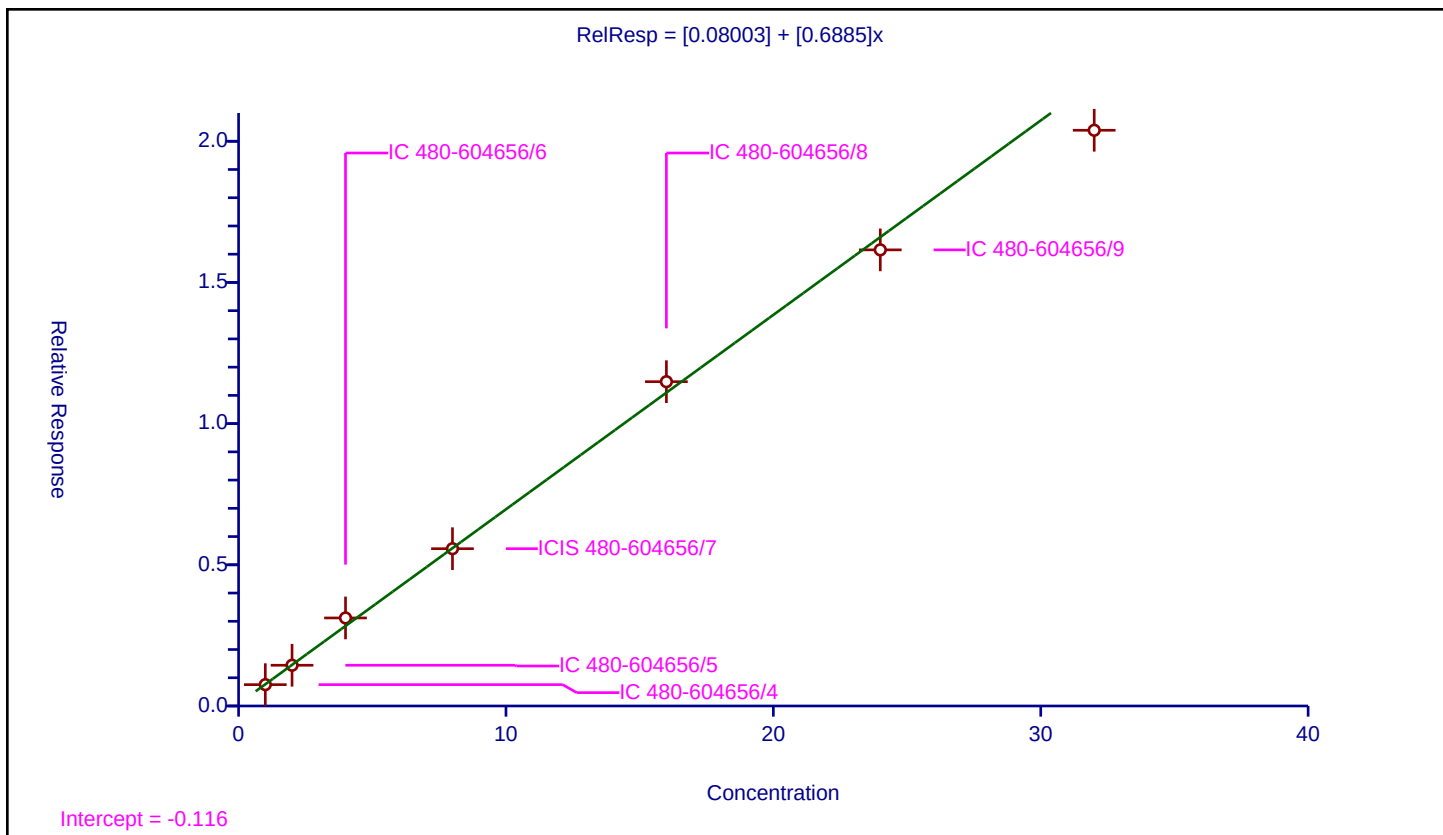
Curve Coefficients

Intercept: 0.08003
 Slope: 0.6885

Error Coefficients

Standard Error: 993000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.755833	4.0	304337.0	0.755833	Y
2	IC 480-604656/5	2.0	1.442111	4.0	307771.0	0.721056	Y
3	IC 480-604656/6	4.0	3.1175	4.0	307191.0	0.779375	Y
4	ICIS 480-604656/7	8.0	5.570298	4.0	308051.0	0.696287	Y
5	IC 480-604656/8	16.0	11.485617	4.0	309839.0	0.717851	Y
6	IC 480-604656/9	24.0	16.153573	4.0	304298.0	0.673066	Y
7	IC 480-604656/10	32.0	20.389088	4.0	302153.0	0.637159	Y



Calibration

/ Phenol-d5

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

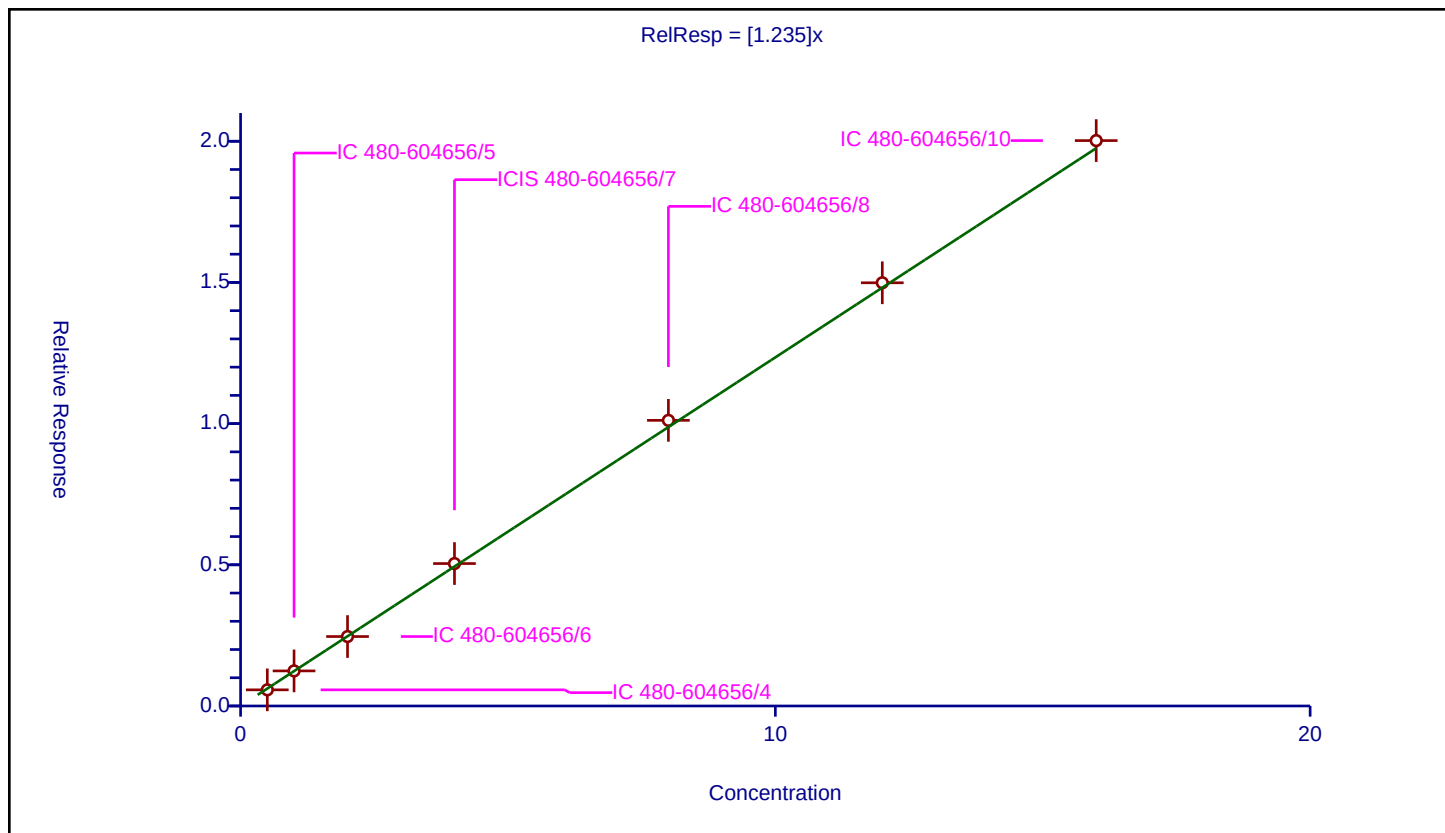
Curve Coefficients

Intercept: 0
 Slope: 1.235

Error Coefficients

Standard Error: 856000
 Relative Standard Error: 3.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.572155	4.0	304337.0	1.14431	Y
2	IC 480-604656/5	1.0	1.241975	4.0	307771.0	1.241975	Y
3	IC 480-604656/6	2.0	2.459968	4.0	307191.0	1.229984	Y
4	ICIS 480-604656/7	4.0	5.044269	4.0	308051.0	1.261067	Y
5	IC 480-604656/8	8.0	10.115744	4.0	309839.0	1.264468	Y
6	IC 480-604656/9	12.0	14.988294	4.0	304298.0	1.249025	Y
7	IC 480-604656/10	16.0	20.023035	4.0	302153.0	1.25144	Y



Calibration

/ Phenol

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

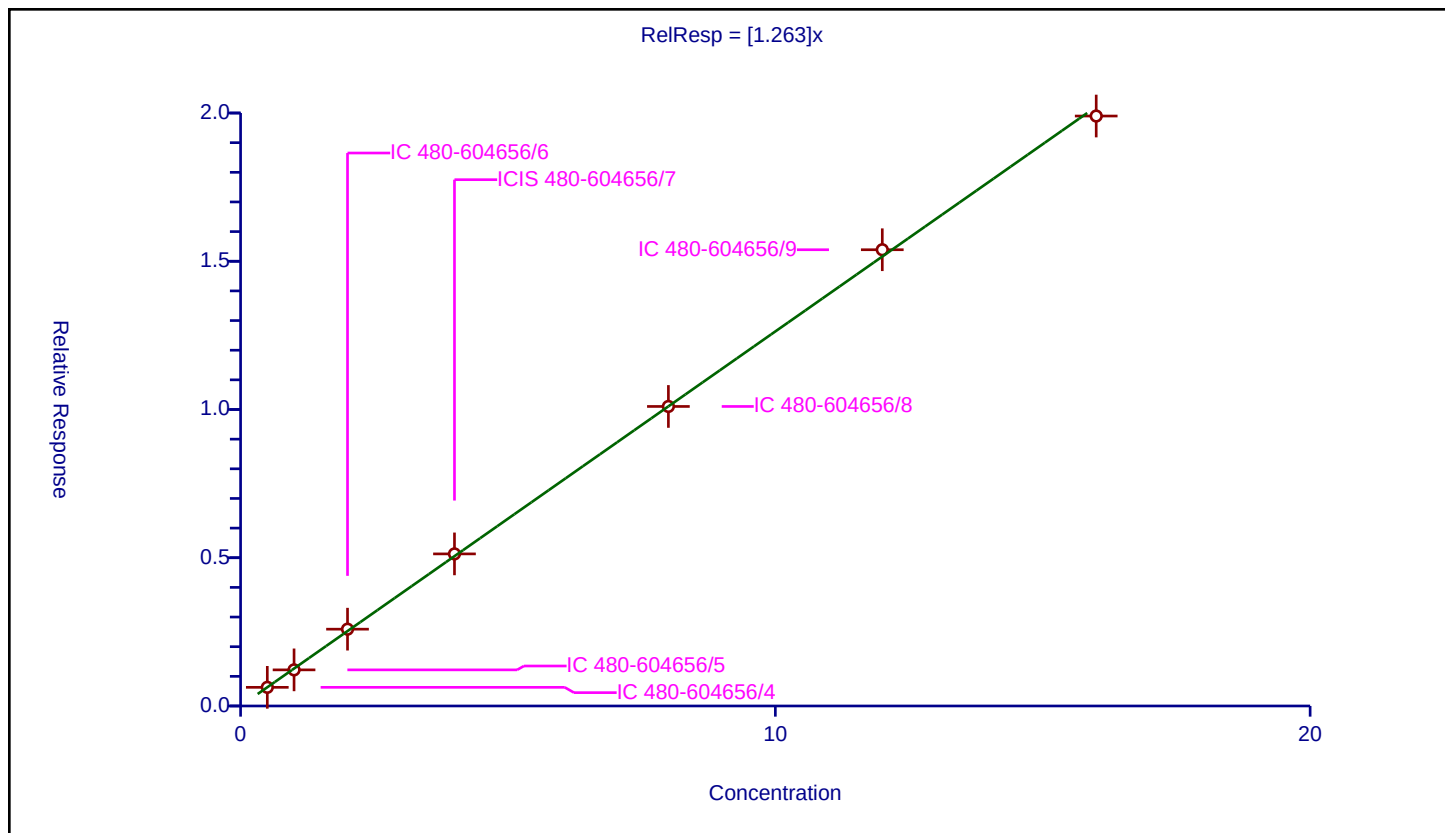
Curve Coefficients

Intercept: 0
 Slope: 1.263

Error Coefficients

Standard Error: 861000
 Relative Standard Error: 2.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.629	4.0	304337.0	1.258	Y
2	IC 480-604656/5	1.0	1.217854	4.0	307771.0	1.217854	Y
3	IC 480-604656/6	2.0	2.591196	4.0	307191.0	1.295598	Y
4	ICIS 480-604656/7	4.0	5.130112	4.0	308051.0	1.282528	Y
5	IC 480-604656/8	8.0	10.103079	4.0	309839.0	1.262885	Y
6	IC 480-604656/9	12.0	15.388481	4.0	304298.0	1.282373	Y
7	IC 480-604656/10	16.0	19.898714	4.0	302153.0	1.24367	Y



Calibration

/ Aniline

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

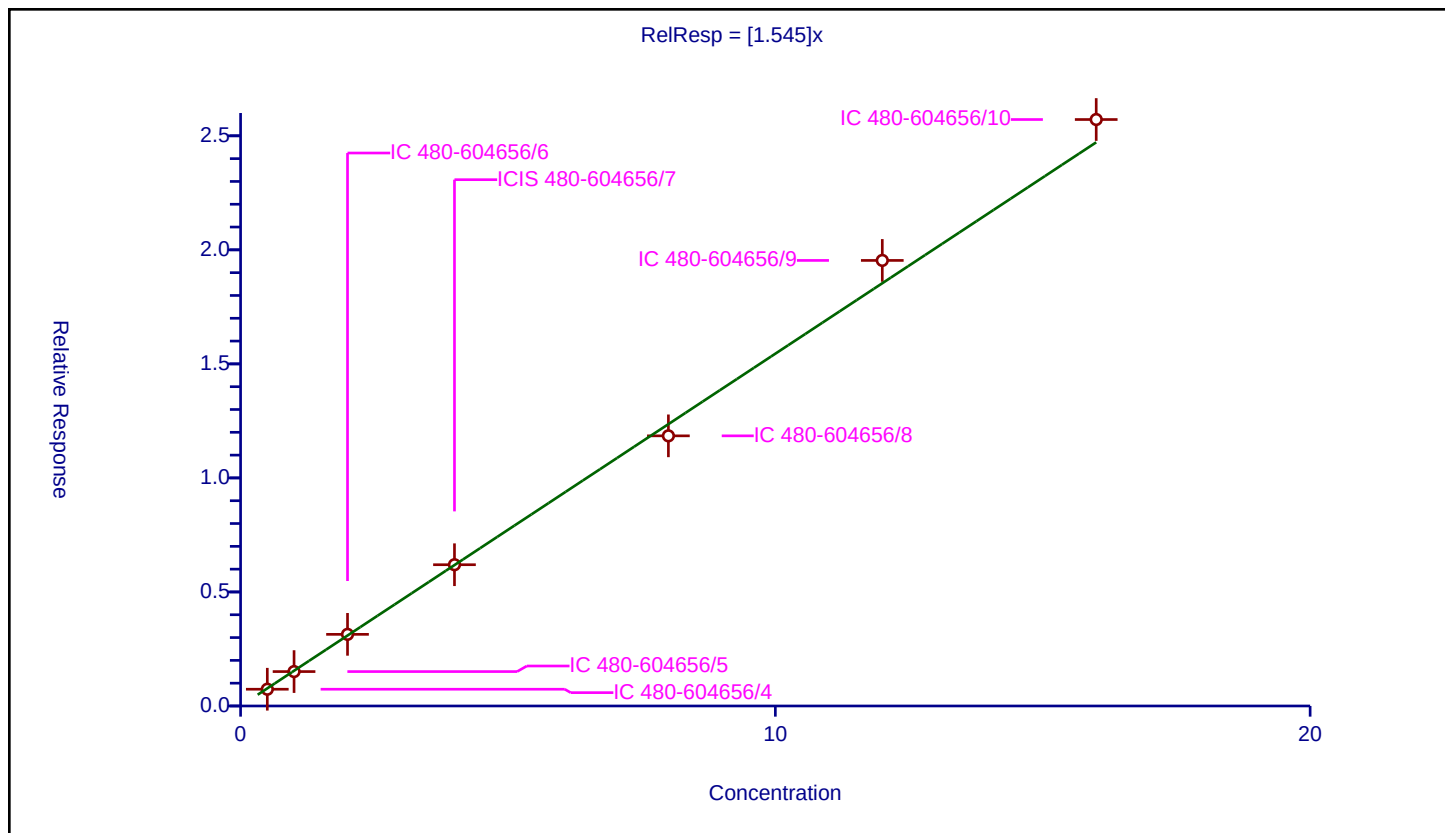
Curve Coefficients

Intercept: 0
Slope: 1.545

Error Coefficients

Standard Error: 1090000
Relative Standard Error: 4.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.734462	4.0	304337.0	1.468924	Y
2	IC 480-604656/5	1.0	1.508992	4.0	307771.0	1.508992	Y
3	IC 480-604656/6	2.0	3.14099	4.0	307191.0	1.570495	Y
4	ICIS 480-604656/7	4.0	6.194364	4.0	308051.0	1.548591	Y
5	IC 480-604656/8	8.0	11.844913	4.0	309839.0	1.480614	Y
6	IC 480-604656/9	12.0	19.536717	4.0	304298.0	1.62806	Y
7	IC 480-604656/10	16.0	25.714257	4.0	302153.0	1.607141	Y



Calibration

/ Bis(2-chloroethyl)ether

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

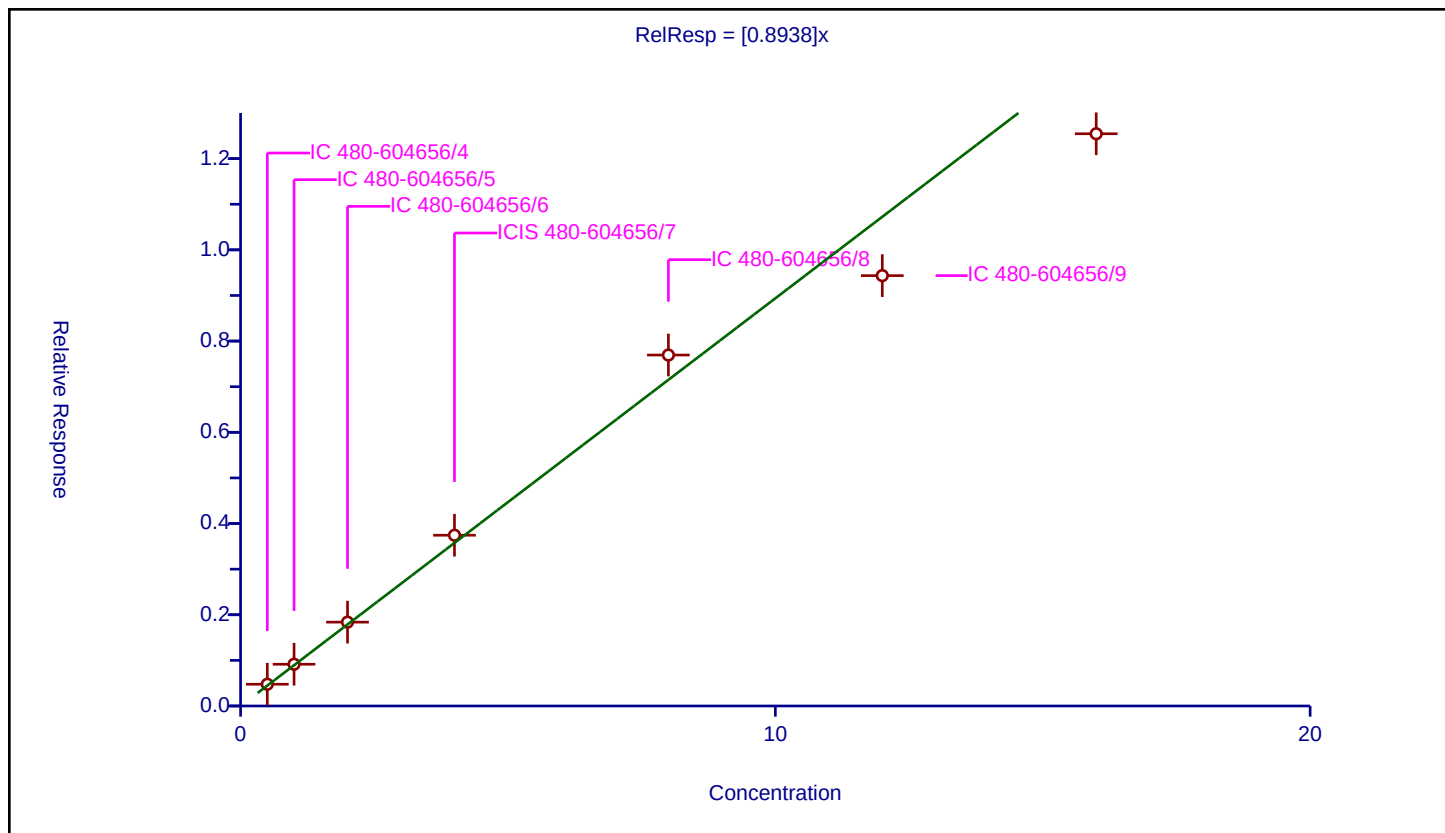
Curve Coefficients

Intercept: 0
Slope: 0.8938

Error Coefficients

Standard Error: 559000
Relative Standard Error: 8.5
Correlation Coefficient: 0.985
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.477037	4.0	304337.0	0.954074	Y
2	IC 480-604656/5	1.0	0.915148	4.0	307771.0	0.915148	Y
3	IC 480-604656/6	2.0	1.838179	4.0	307191.0	0.919089	Y
4	ICIS 480-604656/7	4.0	3.743861	4.0	308051.0	0.935965	Y
5	IC 480-604656/8	8.0	7.693776	4.0	309839.0	0.961722	Y
6	IC 480-604656/9	12.0	9.435133	4.0	304298.0	0.786261	Y
7	IC 480-604656/10	16.0	12.54522	4.0	302153.0	0.784076	Y



Calibration

/ 2-Chlorophenol

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

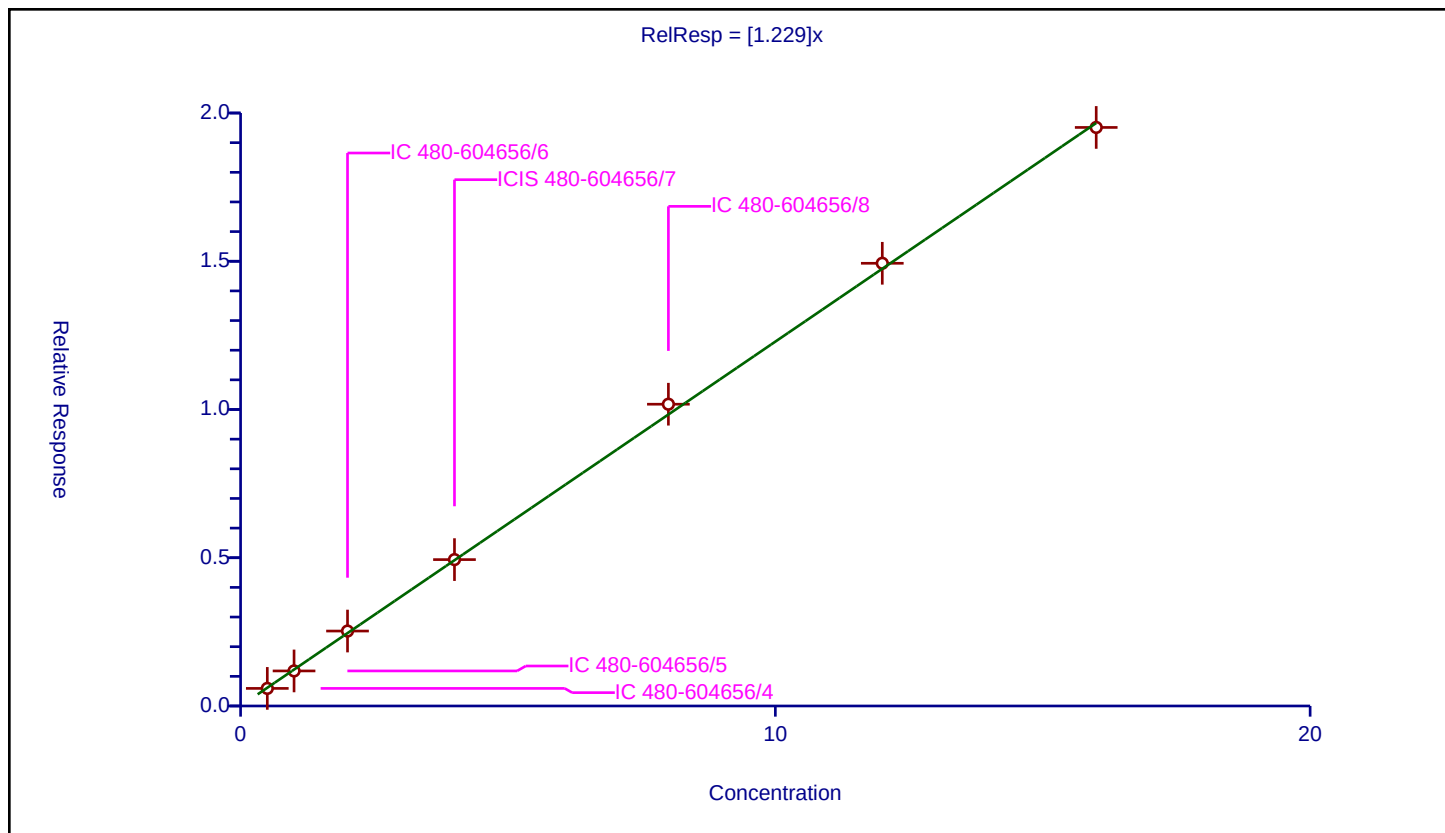
Curve Coefficients

Intercept: 0
 Slope: 1.229

Error Coefficients

Standard Error: 844000
 Relative Standard Error: 2.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.593106	4.0	304337.0	1.186211	Y
2	IC 480-604656/5	1.0	1.181957	4.0	307771.0	1.181957	Y
3	IC 480-604656/6	2.0	2.527522	4.0	307191.0	1.263761	Y
4	ICIS 480-604656/7	4.0	4.937221	4.0	308051.0	1.234305	Y
5	IC 480-604656/8	8.0	10.178744	4.0	309839.0	1.272343	Y
6	IC 480-604656/9	12.0	14.931639	4.0	304298.0	1.244303	Y
7	IC 480-604656/10	16.0	19.513293	4.0	302153.0	1.219581	Y



Calibration

/ n-Decane

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

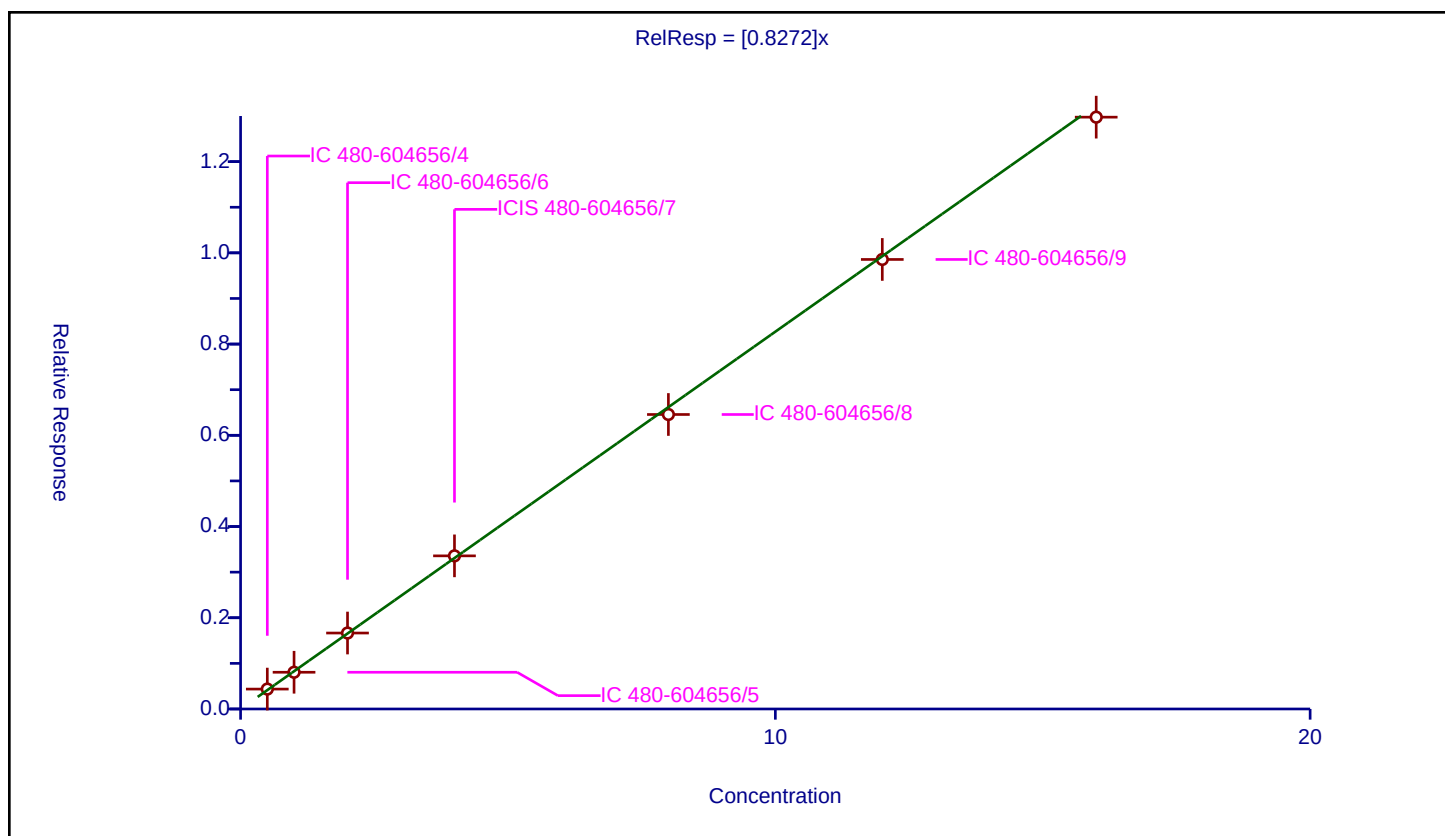
Curve Coefficients

Intercept: 0
Slope: 0.8272

Error Coefficients

Standard Error: 557000
Relative Standard Error: 2.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.4367	4.0	304337.0	0.8734	Y
2	IC 480-604656/5	1.0	0.805599	4.0	307771.0	0.805599	Y
3	IC 480-604656/6	2.0	1.665335	4.0	307191.0	0.832668	Y
4	ICIS 480-604656/7	4.0	3.35699	4.0	308051.0	0.839247	Y
5	IC 480-604656/8	8.0	6.456515	4.0	309839.0	0.807064	Y
6	IC 480-604656/9	12.0	9.855431	4.0	304298.0	0.821286	Y
7	IC 480-604656/10	16.0	12.974791	4.0	302153.0	0.810924	Y



Calibration

/ 1,3-Dichlorobenzene

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

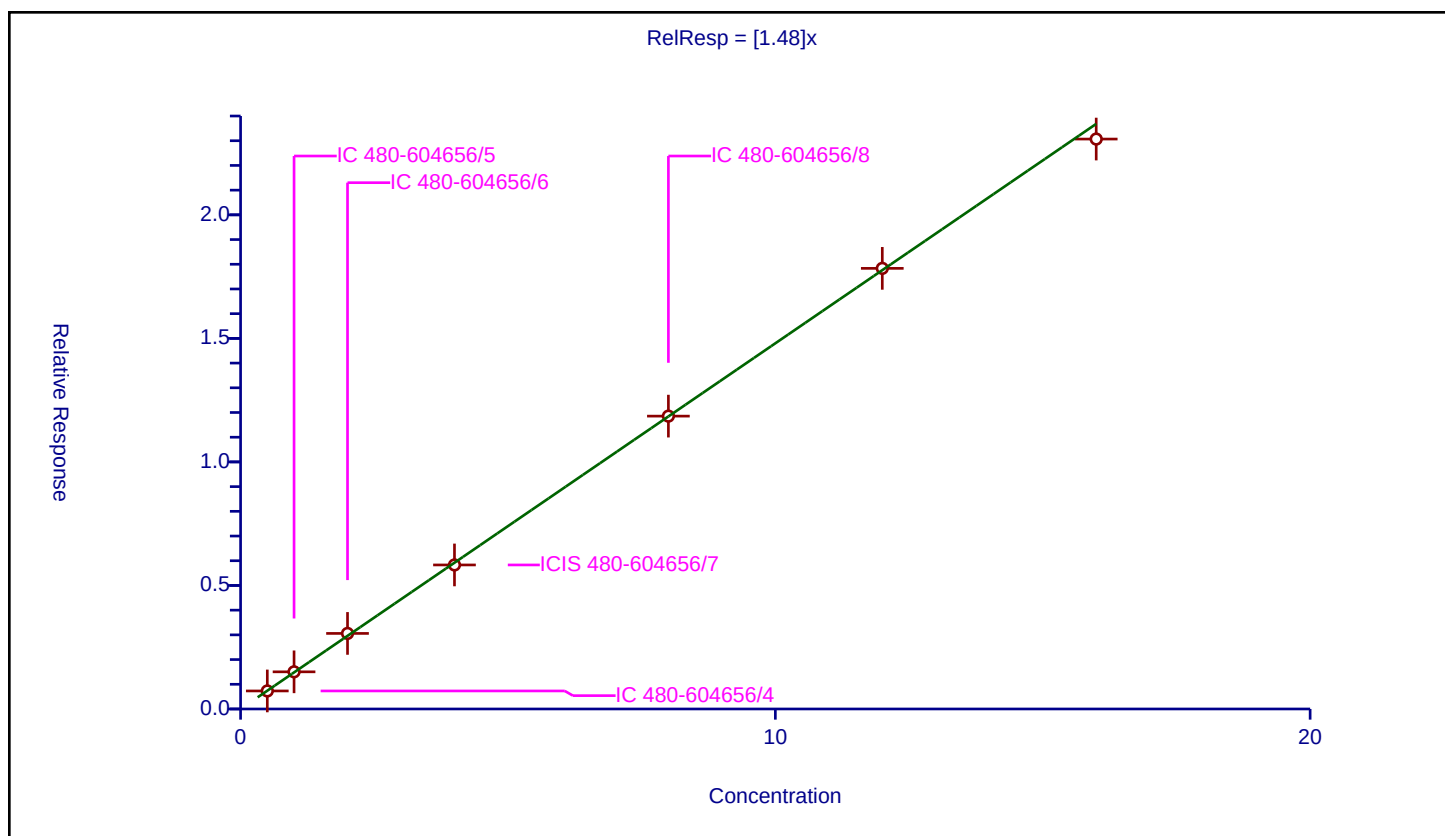
Curve Coefficients

Intercept: 0
 Slope: 1.48

Error Coefficients

Standard Error: 999000
 Relative Standard Error: 2.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.730007	4.0	304337.0	1.460013	Y
2	IC 480-604656/5	1.0	1.504339	4.0	307771.0	1.504339	Y
3	IC 480-604656/6	2.0	3.058735	4.0	307191.0	1.529368	Y
4	ICIS 480-604656/7	4.0	5.829736	4.0	308051.0	1.457434	Y
5	IC 480-604656/8	8.0	11.853098	4.0	309839.0	1.481637	Y
6	IC 480-604656/9	12.0	17.83411	4.0	304298.0	1.486176	Y
7	IC 480-604656/10	16.0	23.067386	4.0	302153.0	1.441712	Y



Calibration

/ 1,4-Dichlorobenzene

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

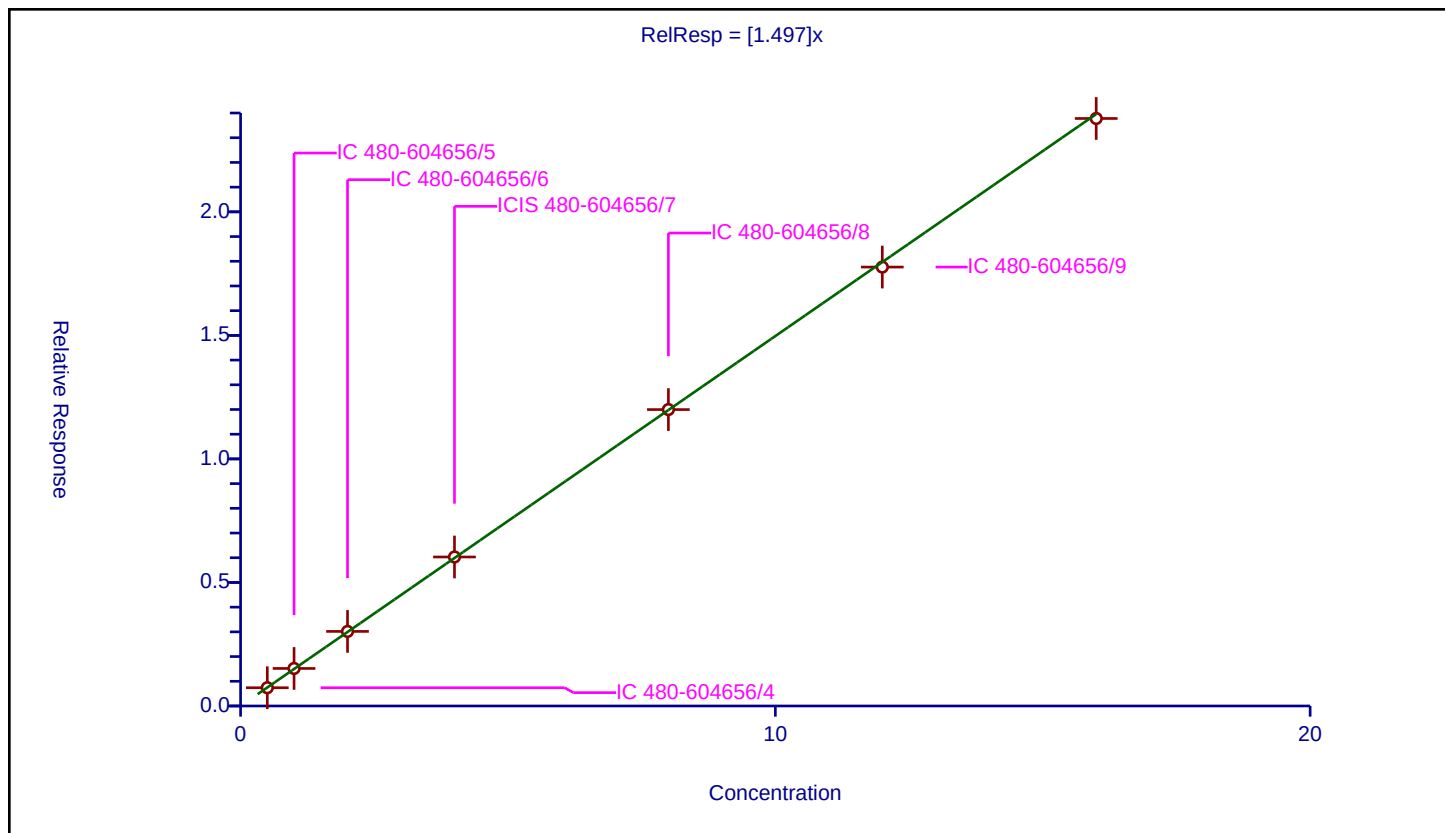
Curve Coefficients

Intercept: 0
 Slope: 1.497

Error Coefficients

Standard Error: 1020000
 Relative Standard Error: 1.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.739273	4.0	304337.0	1.478545	Y
2	IC 480-604656/5	1.0	1.519389	4.0	307771.0	1.519389	Y
3	IC 480-604656/6	2.0	3.017732	4.0	307191.0	1.508866	Y
4	ICIS 480-604656/7	4.0	6.030677	4.0	308051.0	1.507669	Y
5	IC 480-604656/8	8.0	11.997069	4.0	309839.0	1.499634	Y
6	IC 480-604656/9	12.0	17.764744	4.0	304298.0	1.480395	Y
7	IC 480-604656/10	16.0	23.779119	4.0	302153.0	1.486195	Y



Calibration

/ Benzyl alcohol

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

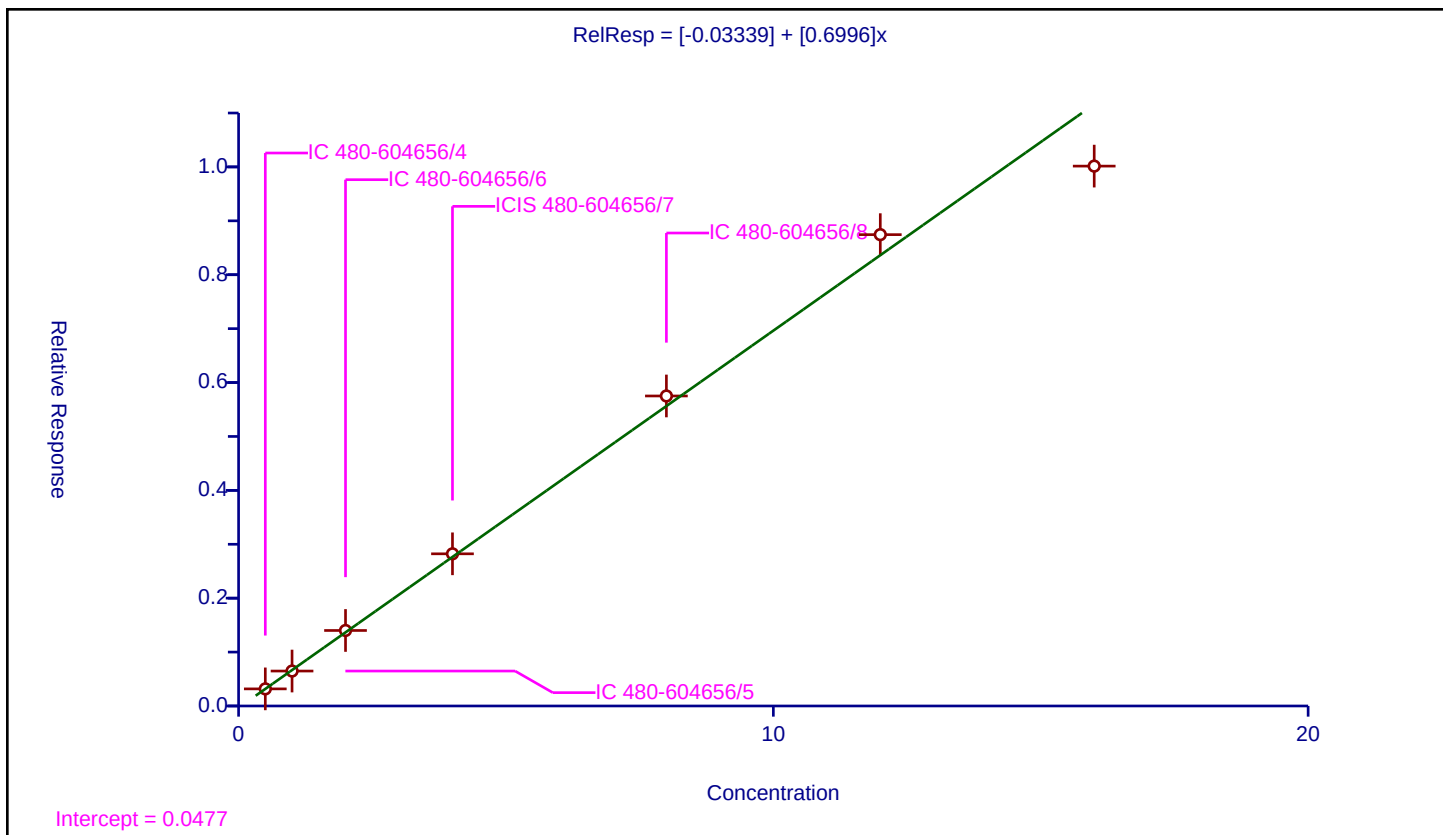
Curve Coefficients

Intercept: -0.03339
 Slope: 0.6996

Error Coefficients

Standard Error: 505000
 Relative Standard Error: 5.5
 Correlation Coefficient: 0.986
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.317503	4.0	304337.0	0.635007	Y
2	IC 480-604656/5	1.0	0.648443	4.0	307771.0	0.648443	Y
3	IC 480-604656/6	2.0	1.400874	4.0	307191.0	0.700437	Y
4	ICIS 480-604656/7	4.0	2.823078	4.0	308051.0	0.705769	Y
5	IC 480-604656/8	8.0	5.75109	4.0	309839.0	0.718886	Y
6	IC 480-604656/9	12.0	8.74381	4.0	304298.0	0.728651	Y
7	IC 480-604656/10	16.0	10.015085	4.0	302153.0	0.625943	Y



Calibration

/ 1,2-Dichlorobenzene

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

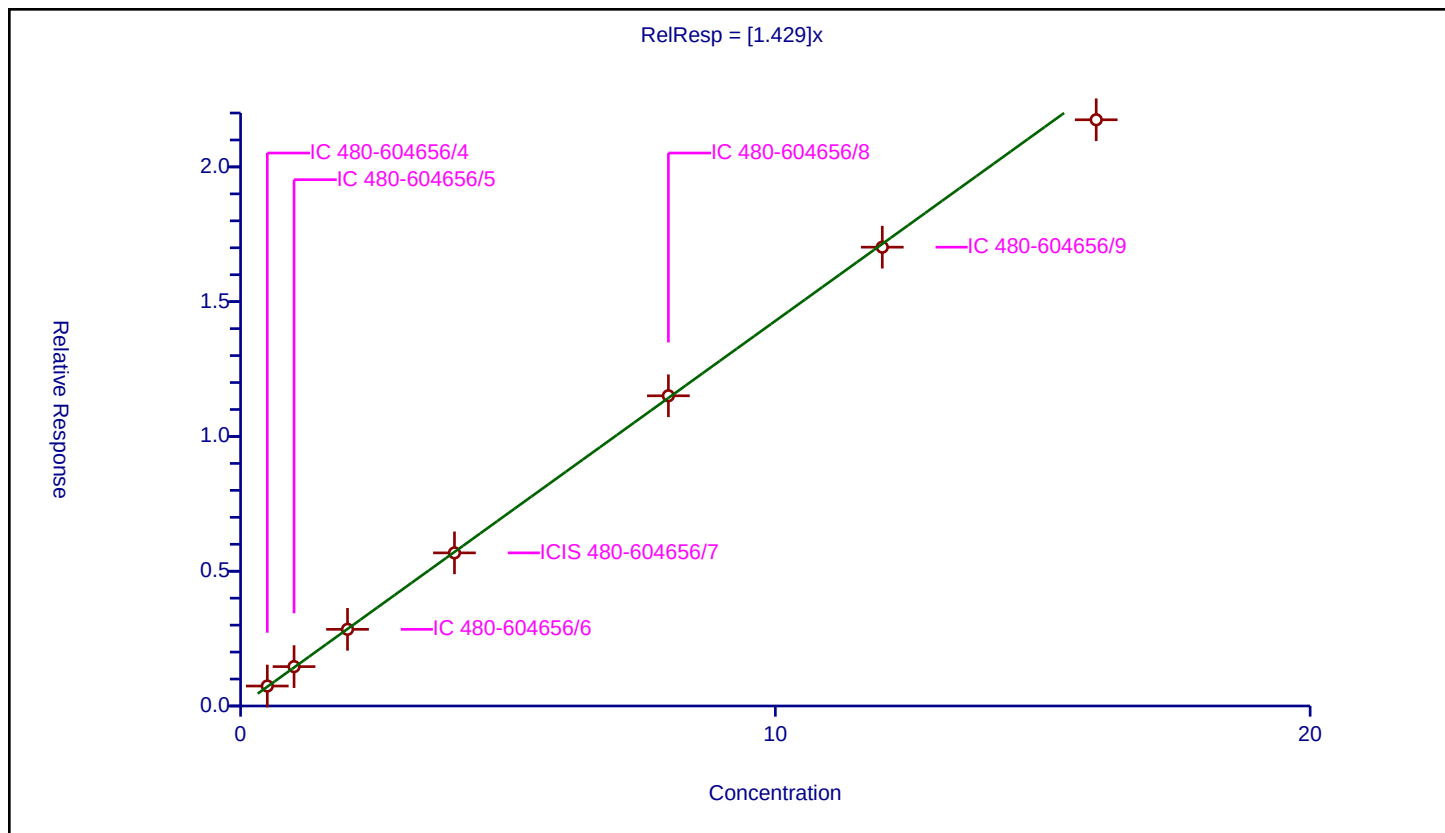
Curve Coefficients

Intercept: 0
 Slope: 1.429

Error Coefficients

Standard Error: 951000
 Relative Standard Error: 2.7
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.74039	4.0	304337.0	1.48078	Y
2	IC 480-604656/5	1.0	1.461177	4.0	307771.0	1.461177	Y
3	IC 480-604656/6	2.0	2.843521	4.0	307191.0	1.42176	Y
4	ICIS 480-604656/7	4.0	5.68067	4.0	308051.0	1.420167	Y
5	IC 480-604656/8	8.0	11.509048	4.0	309839.0	1.438631	Y
6	IC 480-604656/9	12.0	17.022222	4.0	304298.0	1.418518	Y
7	IC 480-604656/10	16.0	21.749432	4.0	302153.0	1.359339	Y



Calibration

/ 2-Methylphenol

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

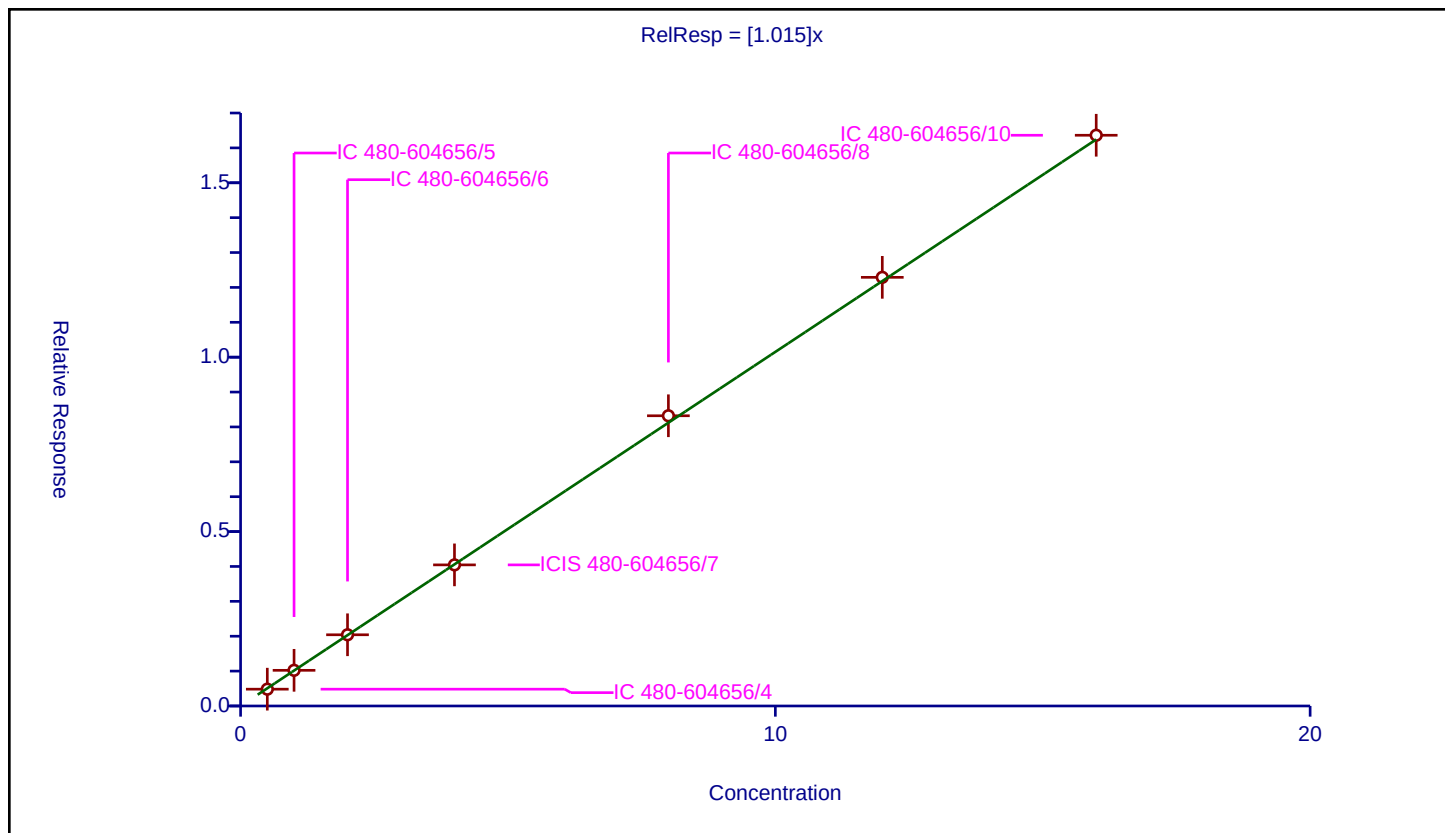
Curve Coefficients

Intercept: 0
 Slope: 1.015

Error Coefficients

Standard Error: 701000
 Relative Standard Error: 2.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.48211	4.0	304337.0	0.964221	Y
2	IC 480-604656/5	1.0	1.022656	4.0	307771.0	1.022656	Y
3	IC 480-604656/6	2.0	2.041844	4.0	307191.0	1.020922	Y
4	ICIS 480-604656/7	4.0	4.045032	4.0	308051.0	1.011258	Y
5	IC 480-604656/8	8.0	8.320902	4.0	309839.0	1.040113	Y
6	IC 480-604656/9	12.0	12.289138	4.0	304298.0	1.024095	Y
7	IC 480-604656/10	16.0	16.362664	4.0	302153.0	1.022666	Y



Calibration

/ 2,2'-oxybis[1-chloropropane]

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

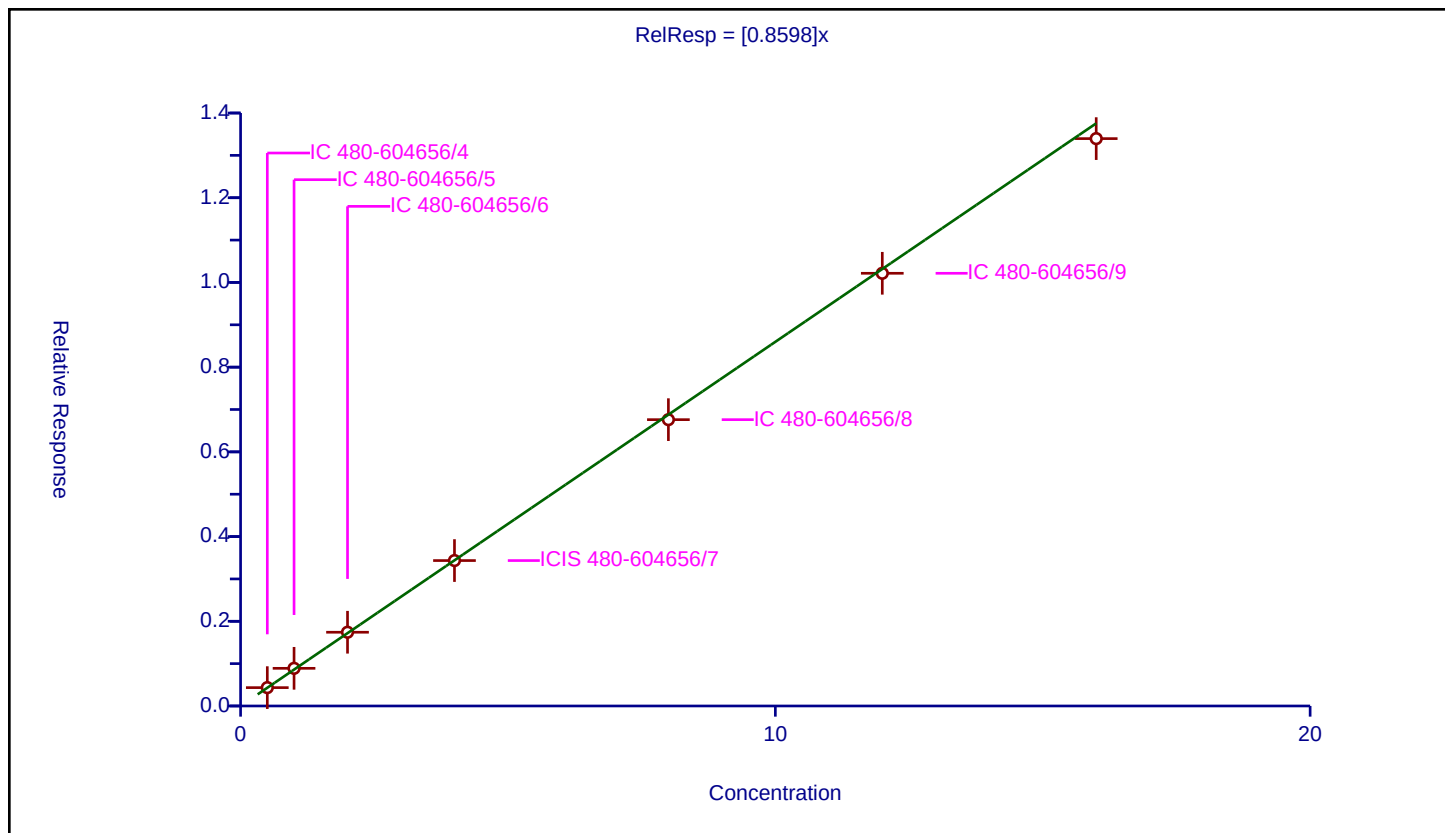
Curve Coefficients

Intercept: 0
 Slope: 0.8598

Error Coefficients

Standard Error: 577000
 Relative Standard Error: 2.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.433204	4.0	304337.0	0.866408	Y
2	IC 480-604656/5	1.0	0.889233	4.0	307771.0	0.889233	Y
3	IC 480-604656/6	2.0	1.741275	4.0	307191.0	0.870637	Y
4	ICIS 480-604656/7	4.0	3.433574	4.0	308051.0	0.858394	Y
5	IC 480-604656/8	8.0	6.760208	4.0	309839.0	0.845026	Y
6	IC 480-604656/9	12.0	10.215959	4.0	304298.0	0.85133	Y
7	IC 480-604656/10	16.0	13.395717	4.0	302153.0	0.837232	Y



Calibration

/ Indene

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

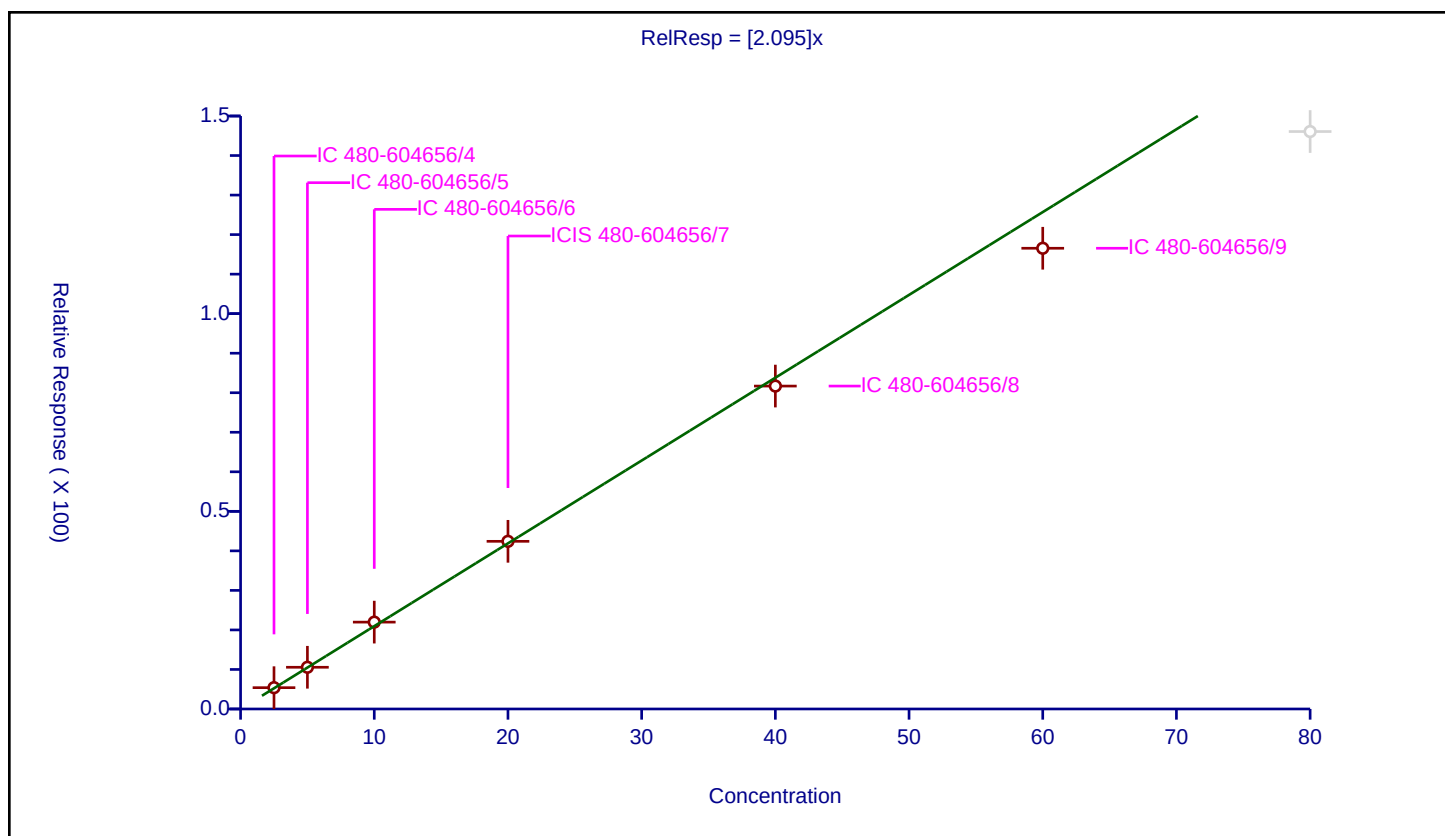
Curve Coefficients

Intercept: 0
 Slope: 2.095

Error Coefficients

Standard Error: 5160000
 Relative Standard Error: 4.3
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	2.5	5.390537	4.0	304337.0	2.156215	Y
2	IC 480-604656/5	5.0	10.553405	4.0	307771.0	2.110681	Y
3	IC 480-604656/6	10.0	21.971151	4.0	307191.0	2.197115	Y
4	ICIS 480-604656/7	20.0	42.414392	4.0	308051.0	2.12072	Y
5	IC 480-604656/8	40.0	81.688309	4.0	309839.0	2.042208	Y
6	IC 480-604656/9	60.0	116.550947	4.0	304298.0	1.942516	Y
7	IC 480-604656/10	80.0	146.072076	4.0	302153.0	1.825901	N



Calibration

/ 4-Methylphenol

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

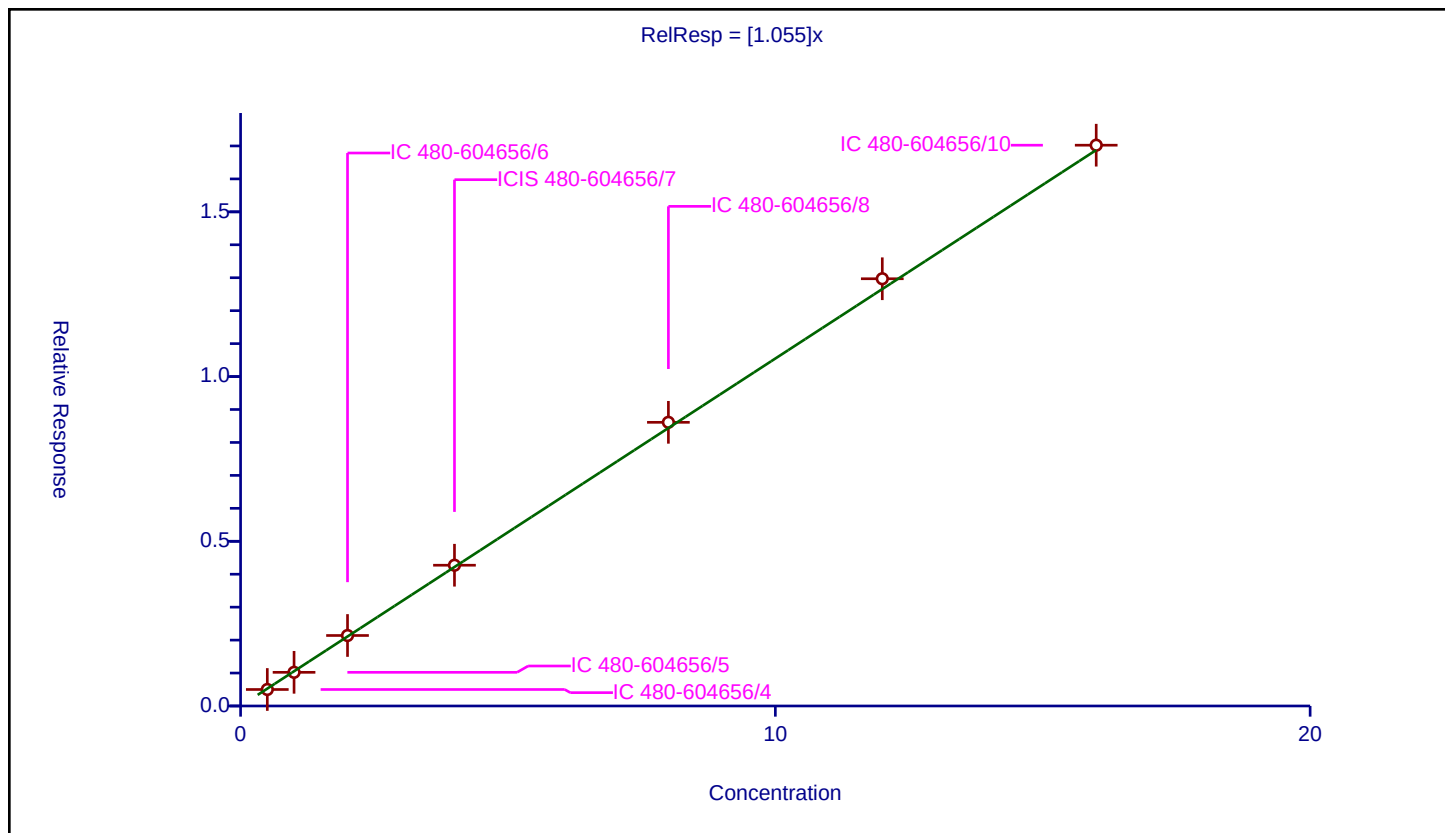
Curve Coefficients

Intercept: 0
 Slope: 1.055

Error Coefficients

Standard Error: 732000
 Relative Standard Error: 2.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.50084	4.0	304337.0	1.001679	Y
2	IC 480-604656/5	1.0	1.022293	4.0	307771.0	1.022293	Y
3	IC 480-604656/6	2.0	2.139451	4.0	307191.0	1.069725	Y
4	ICIS 480-604656/7	4.0	4.272825	4.0	308051.0	1.068206	Y
5	IC 480-604656/8	8.0	8.610743	4.0	309839.0	1.076343	Y
6	IC 480-604656/9	12.0	12.969444	4.0	304298.0	1.080787	Y
7	IC 480-604656/10	16.0	17.022568	4.0	302153.0	1.063911	Y



Calibration

/ N-Nitrosodi-n-propylamine

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

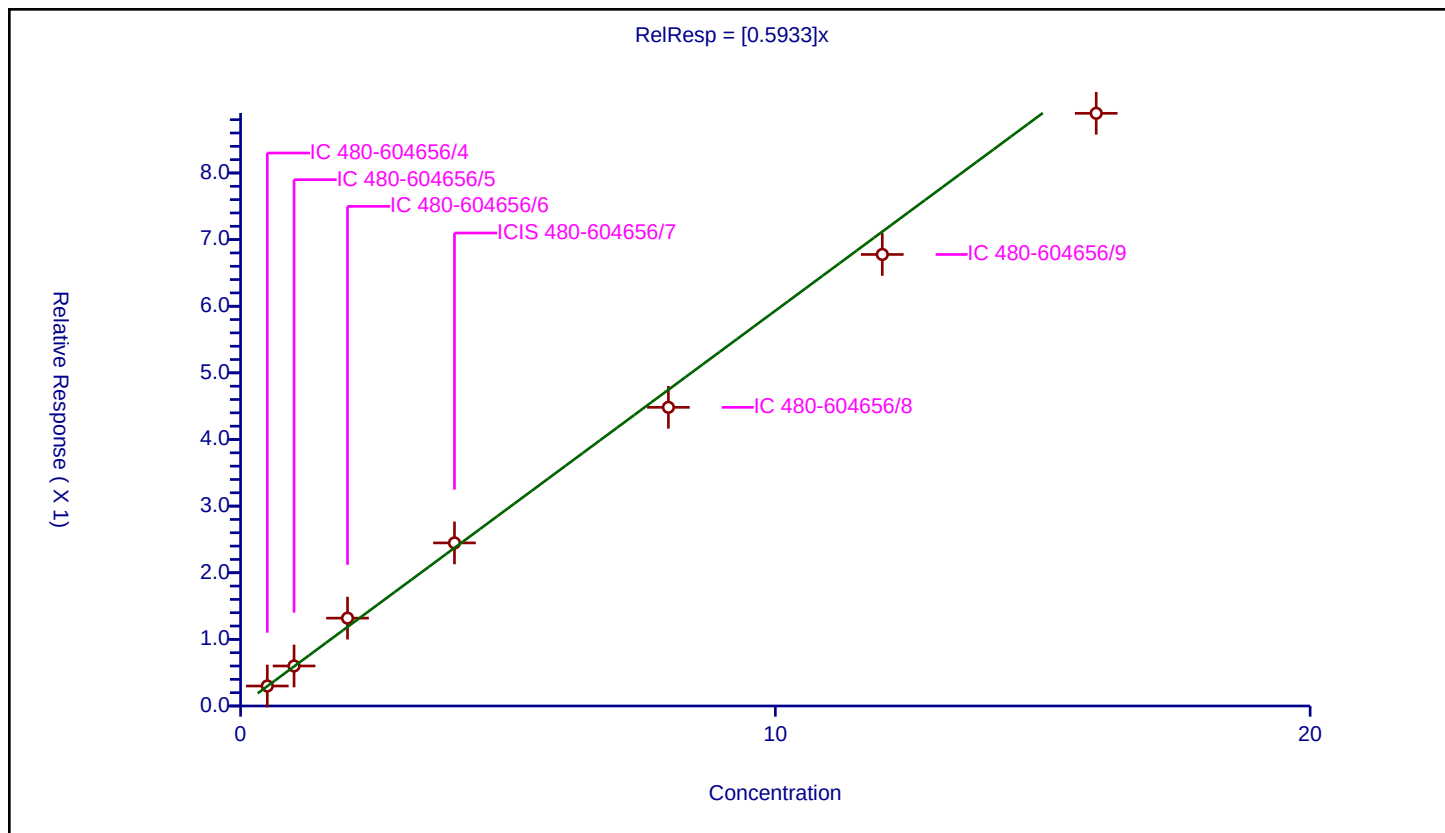
Curve Coefficients

Intercept: 0
 Slope: 0.5933

Error Coefficients

Standard Error: 384000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.300115	4.0	304337.0	0.600229	Y
2	IC 480-604656/5	1.0	0.600446	4.0	307771.0	0.600446	Y
3	IC 480-604656/6	2.0	1.318619	4.0	307191.0	0.65931	Y
4	ICIS 480-604656/7	4.0	2.447867	4.0	308051.0	0.611967	Y
5	IC 480-604656/8	8.0	4.482341	4.0	309839.0	0.560293	Y
6	IC 480-604656/9	12.0	6.777054	4.0	304298.0	0.564755	Y
7	IC 480-604656/10	16.0	8.895758	4.0	302153.0	0.555985	Y



Calibration

/ Acetophenone

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

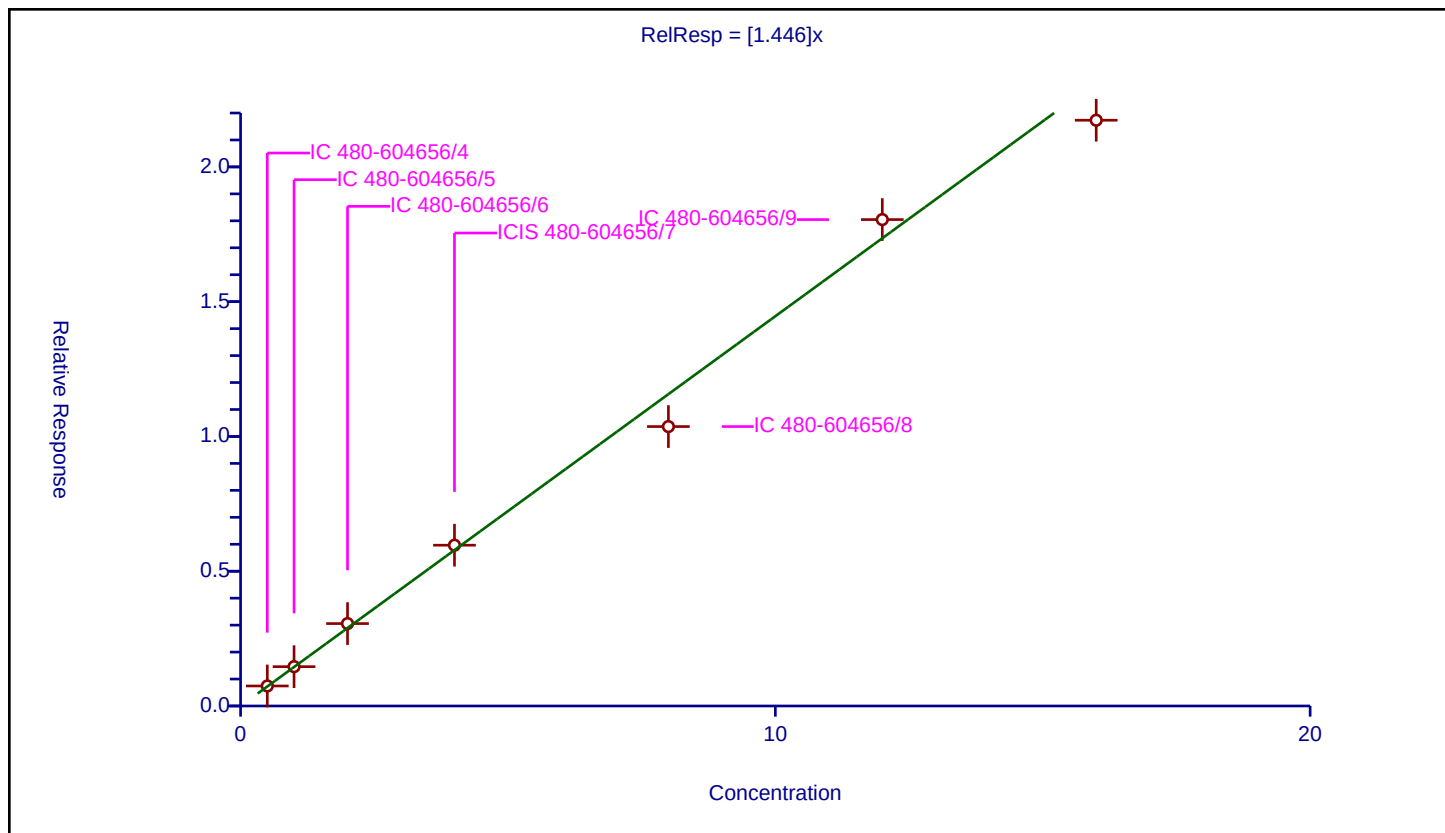
Curve Coefficients

Intercept: 0
 Slope: 1.446

Error Coefficients

Standard Error: 958000
 Relative Standard Error: 5.9
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.742848	4.0	304337.0	1.485695	Y
2	IC 480-604656/5	1.0	1.459046	4.0	307771.0	1.459046	Y
3	IC 480-604656/6	2.0	3.057225	4.0	307191.0	1.528612	Y
4	ICIS 480-604656/7	4.0	5.96496	4.0	308051.0	1.49124	Y
5	IC 480-604656/8	8.0	10.367204	4.0	309839.0	1.2959	Y
6	IC 480-604656/9	12.0	18.046836	4.0	304298.0	1.503903	Y
7	IC 480-604656/10	16.0	21.731904	4.0	302153.0	1.358244	Y



Calibration

/ Hexachloroethane

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

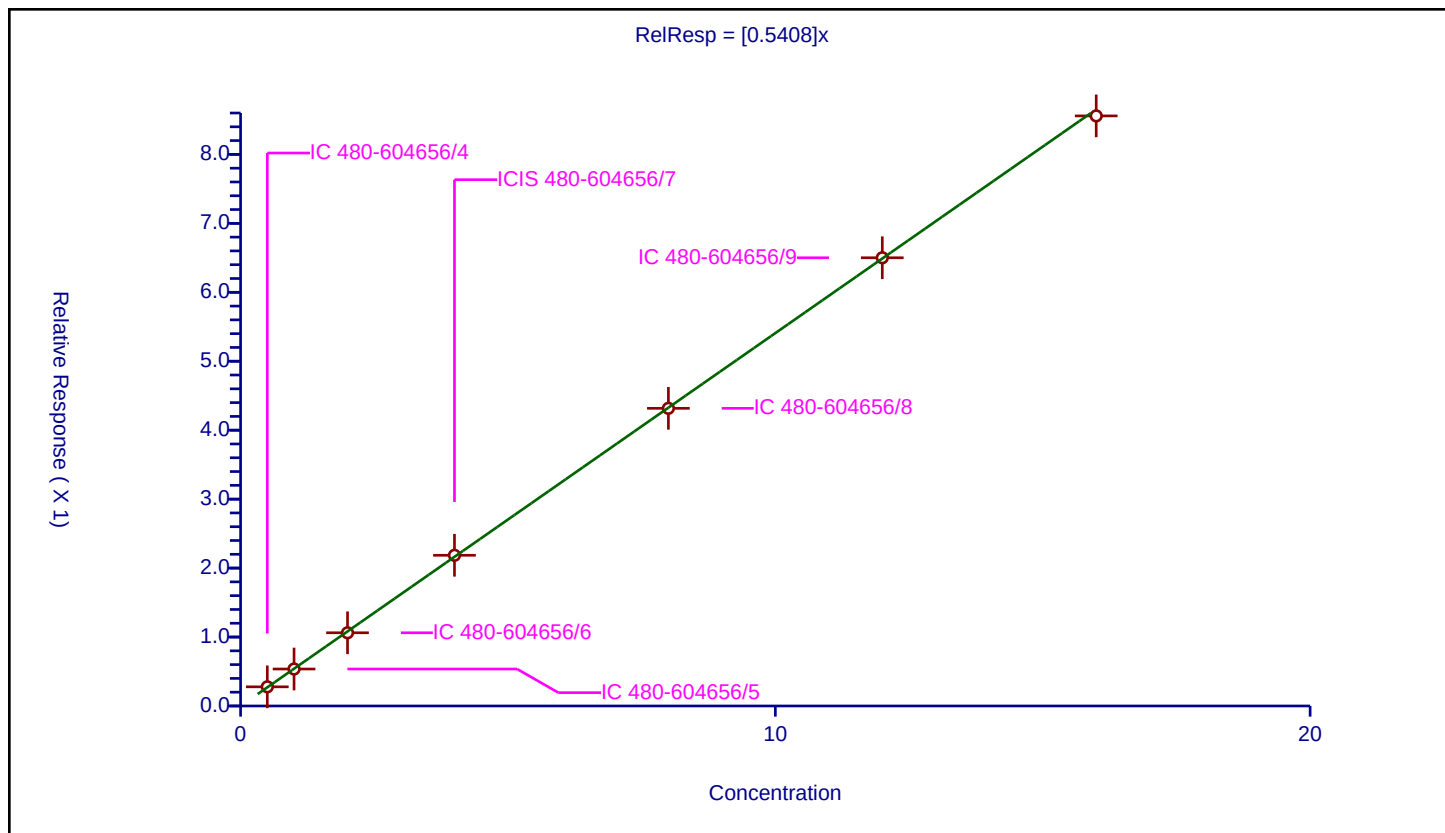
Curve Coefficients

Intercept: 0
 Slope: 0.5408

Error Coefficients

Standard Error: 368000
 Relative Standard Error: 1.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.277863	4.0	304337.0	0.555726	Y
2	IC 480-604656/5	1.0	0.53636	4.0	307771.0	0.53636	Y
3	IC 480-604656/6	2.0	1.061776	4.0	307191.0	0.530888	Y
4	ICIS 480-604656/7	4.0	2.185703	4.0	308051.0	0.546426	Y
5	IC 480-604656/8	8.0	4.316926	4.0	309839.0	0.539616	Y
6	IC 480-604656/9	12.0	6.500812	4.0	304298.0	0.541734	Y
7	IC 480-604656/10	16.0	8.558379	4.0	302153.0	0.534899	Y



Calibration

/ Nitrobenzene-d5

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

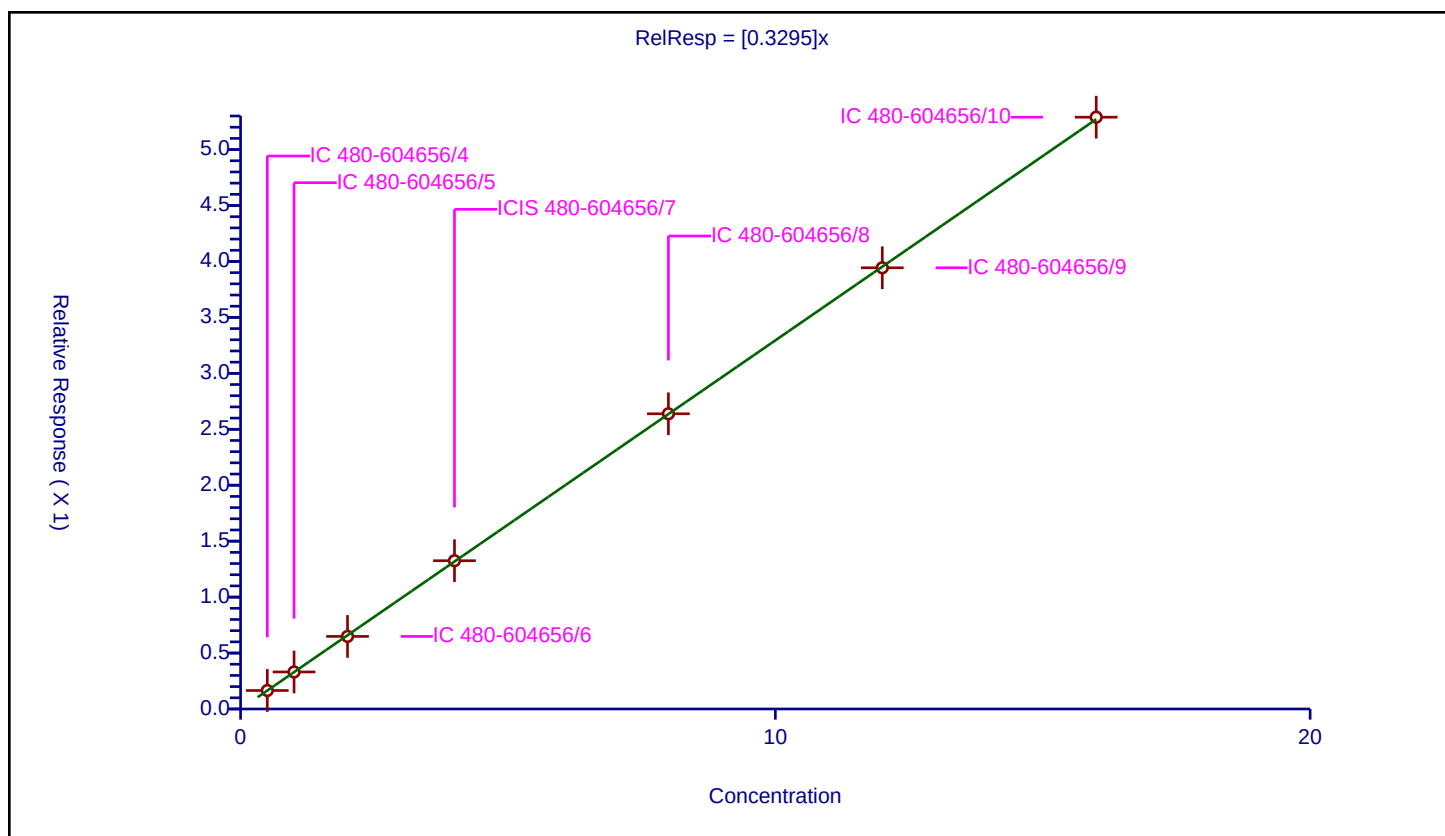
Curve Coefficients

Intercept: 0
 Slope: 0.3295

Error Coefficients

Standard Error: 806000
 Relative Standard Error: 0.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.165267	4.0	1074791.0	0.330535	Y
2	IC 480-604656/5	1.0	0.330959	4.0	1082140.0	0.330959	Y
3	IC 480-604656/6	2.0	0.648661	4.0	1115812.0	0.324331	Y
4	ICIS 480-604656/7	4.0	1.325298	4.0	1090979.0	0.331324	Y
5	IC 480-604656/8	8.0	2.638606	4.0	1130841.0	0.329826	Y
6	IC 480-604656/9	12.0	3.943488	4.0	1114103.0	0.328624	Y
7	IC 480-604656/10	16.0	5.289616	4.0	1058020.0	0.330601	Y



Calibration

/ Nitrobenzene

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

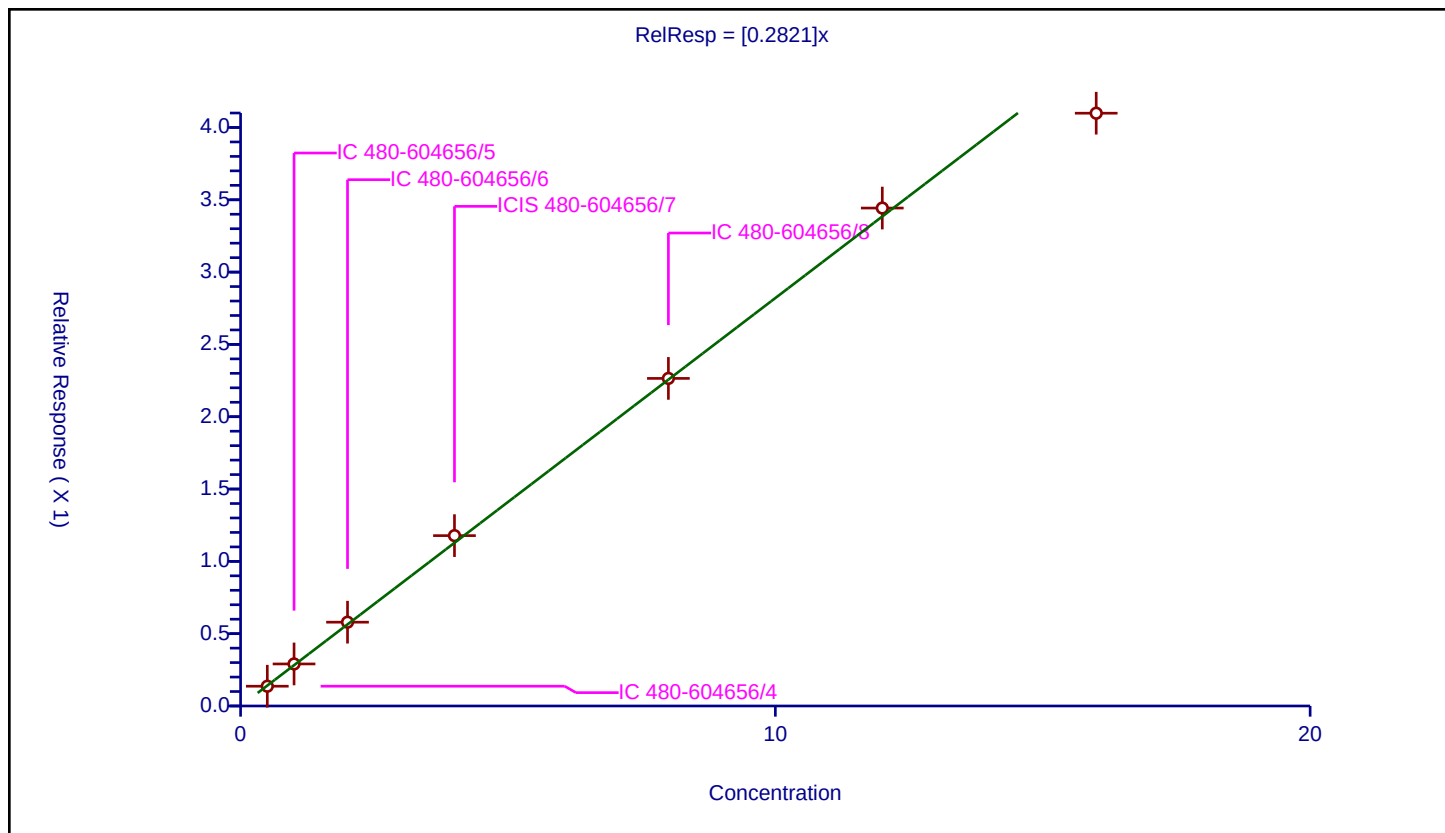
Curve Coefficients

Intercept: 0
 Slope: 0.2821

Error Coefficients

Standard Error: 664000
 Relative Standard Error: 4.7
 Correlation Coefficient: 0.986
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.136663	4.0	1074791.0	0.273326	Y
2	IC 480-604656/5	1.0	0.290705	4.0	1082140.0	0.290705	Y
3	IC 480-604656/6	2.0	0.579431	4.0	1115812.0	0.289715	Y
4	ICIS 480-604656/7	4.0	1.177926	4.0	1090979.0	0.294481	Y
5	IC 480-604656/8	8.0	2.26498	4.0	1130841.0	0.283122	Y
6	IC 480-604656/9	12.0	3.442777	4.0	1114103.0	0.286898	Y
7	IC 480-604656/10	16.0	4.098664	4.0	1058020.0	0.256166	Y



Calibration

/ Isophorone

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

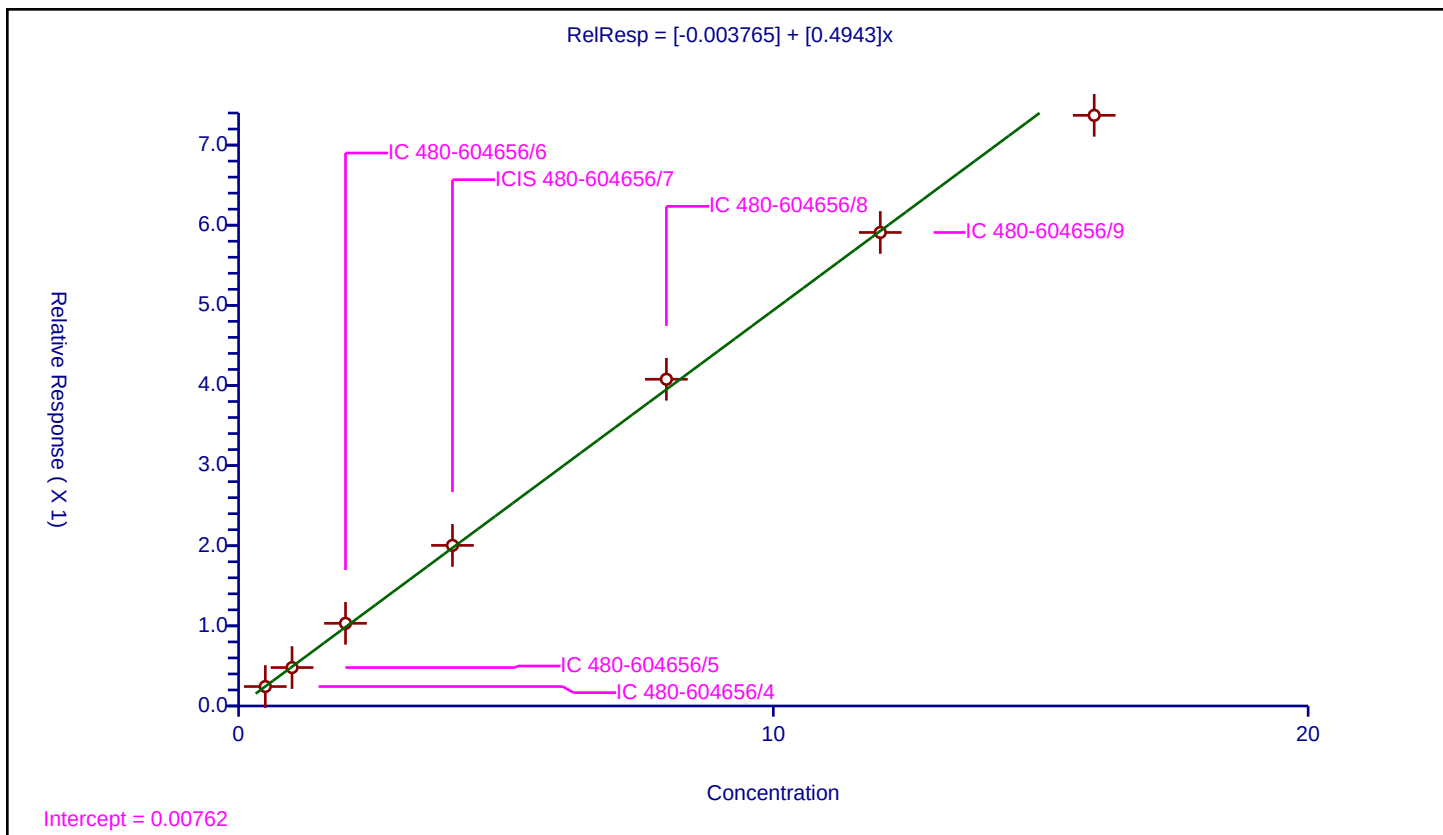
Curve Coefficients

Intercept: -0.003765
 Slope: 0.4943

Error Coefficients

Standard Error: 1280000
 Relative Standard Error: 4.1
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.242752	4.0	1074791.0	0.485505	Y
2	IC 480-604656/5	1.0	0.479542	4.0	1082140.0	0.479542	Y
3	IC 480-604656/6	2.0	1.031665	4.0	1115812.0	0.515832	Y
4	ICIS 480-604656/7	4.0	2.004138	4.0	1090979.0	0.501034	Y
5	IC 480-604656/8	8.0	4.077496	4.0	1130841.0	0.509687	Y
6	IC 480-604656/9	12.0	5.909396	4.0	1114103.0	0.49245	Y
7	IC 480-604656/10	16.0	7.371018	4.0	1058020.0	0.460689	Y



Calibration

/ 2-Nitrophenol

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

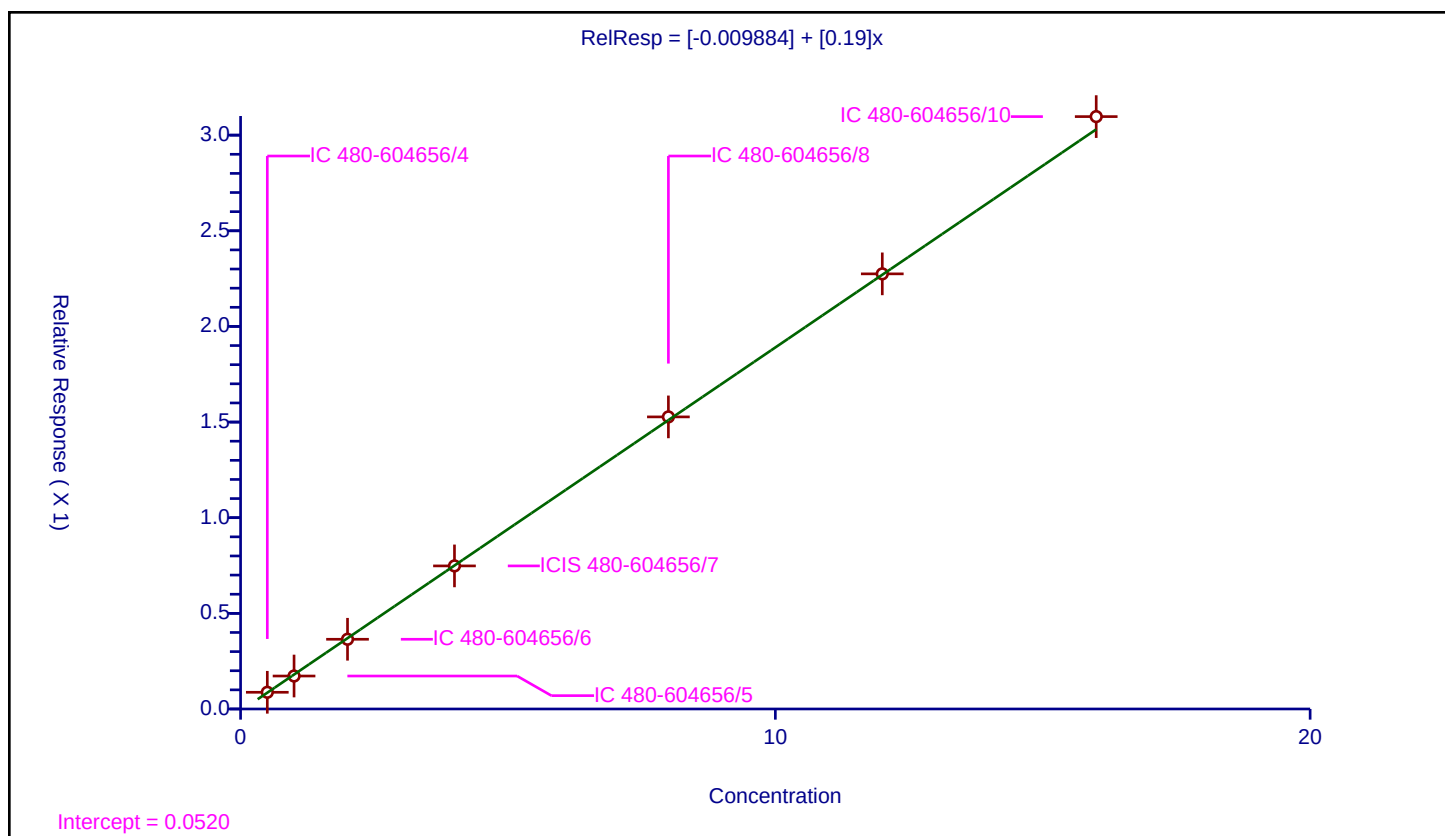
Curve Coefficients

Intercept: -0.009884
 Slope: 0.19

Error Coefficients

Standard Error: 513000
 Relative Standard Error: 2.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.08728	4.0	1074791.0	0.17456	Y
2	IC 480-604656/5	1.0	0.172443	4.0	1082140.0	0.172443	Y
3	IC 480-604656/6	2.0	0.36447	4.0	1115812.0	0.182235	Y
4	ICIS 480-604656/7	4.0	0.747992	4.0	1090979.0	0.186998	Y
5	IC 480-604656/8	8.0	1.527076	4.0	1130841.0	0.190884	Y
6	IC 480-604656/9	12.0	2.27487	4.0	1114103.0	0.189573	Y
7	IC 480-604656/10	16.0	3.096985	4.0	1058020.0	0.193562	Y



Calibration

/ 2,4-Dimethylphenol

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

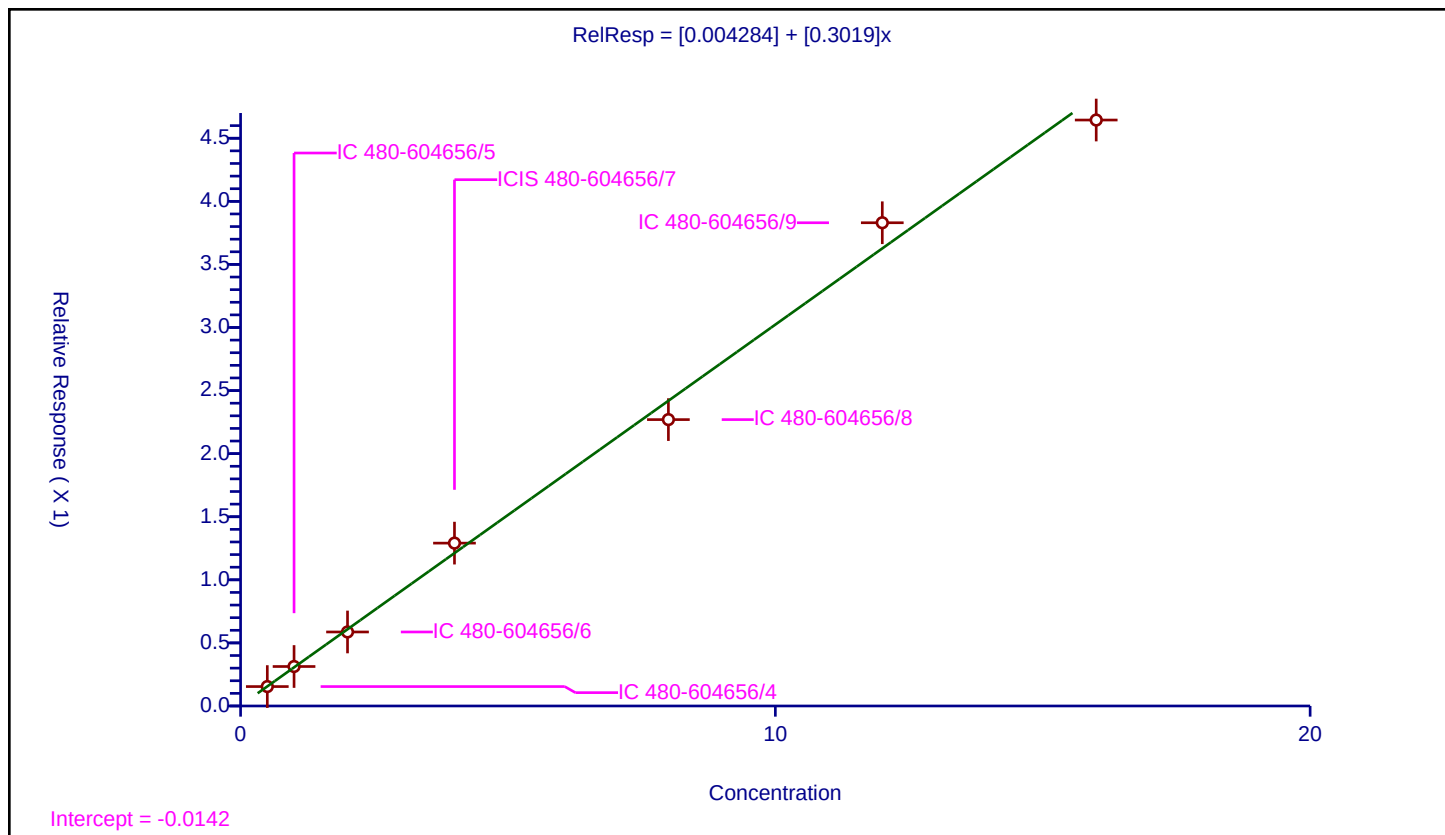
Curve Coefficients

Intercept: 0.004284
 Slope: 0.3019

Error Coefficients

Standard Error: 802000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.154039	4.0	1074791.0	0.308079	Y
2	IC 480-604656/5	1.0	0.312891	4.0	1082140.0	0.312891	Y
3	IC 480-604656/6	2.0	0.586651	4.0	1115812.0	0.293325	Y
4	ICIS 480-604656/7	4.0	1.290947	4.0	1090979.0	0.322737	Y
5	IC 480-604656/8	8.0	2.270006	4.0	1130841.0	0.283751	Y
6	IC 480-604656/9	12.0	3.830307	4.0	1114103.0	0.319192	Y
7	IC 480-604656/10	16.0	4.644449	4.0	1058020.0	0.290278	Y



Calibration

/ Benzoic acid

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

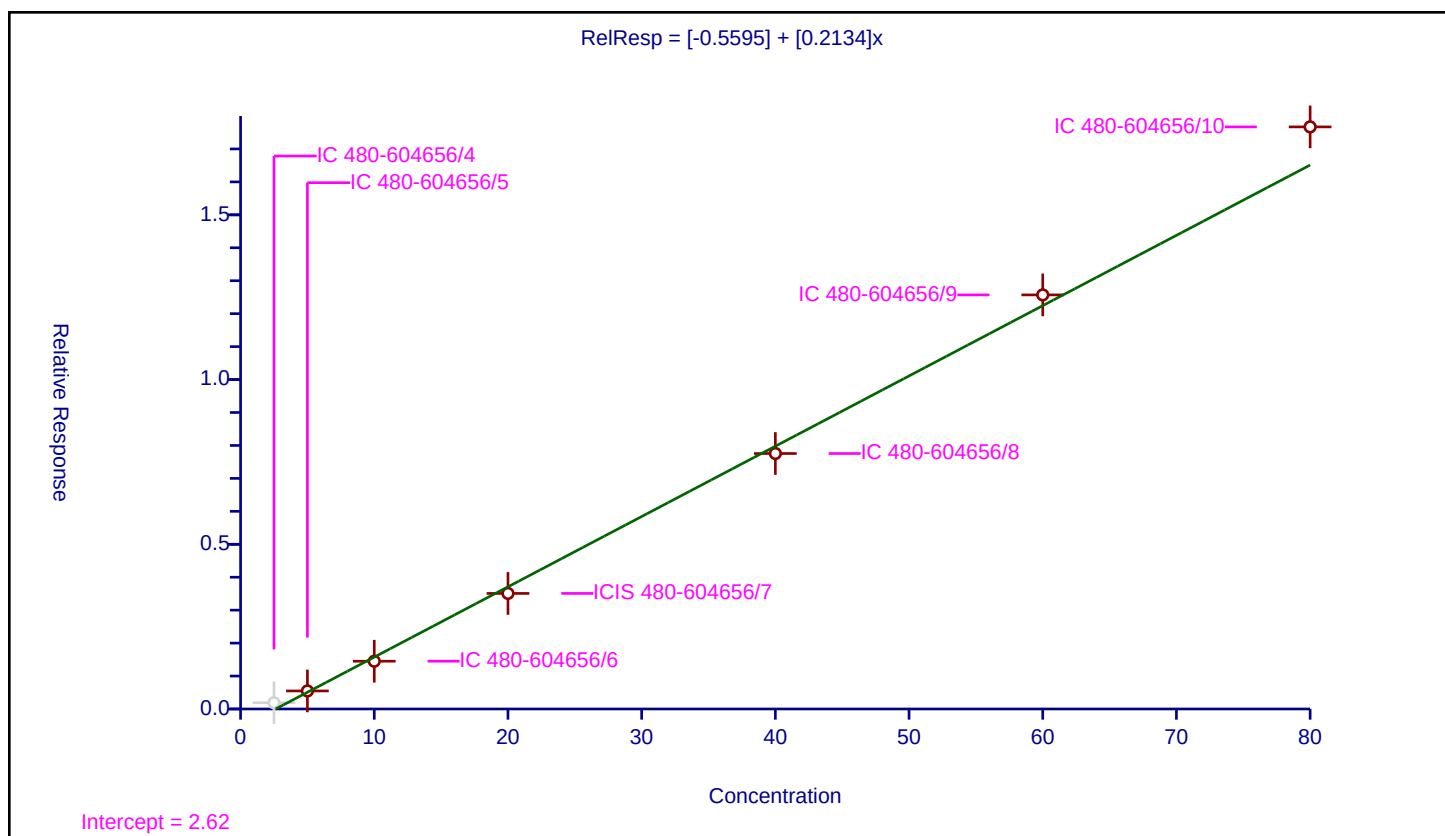
Curve Coefficients

Intercept: -0.5595
 Slope: 0.2134

Error Coefficients

Standard Error: 3160000
 Relative Standard Error: 5.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	2.5	0.19005	4.0	1074791.0	0.07602	N
2	IC 480-604656/5	5.0	0.547704	4.0	1082140.0	0.109541	Y
3	IC 480-604656/6	10.0	1.450323	4.0	1115812.0	0.145032	Y
4	ICIS 480-604656/7	20.0	3.507481	4.0	1090979.0	0.175374	Y
5	IC 480-604656/8	40.0	7.755173	4.0	1130841.0	0.193879	Y
6	IC 480-604656/9	60.0	12.570181	4.0	1114103.0	0.209503	Y
7	IC 480-604656/10	80.0	17.669957	4.0	1058020.0	0.220874	Y



Calibration

/ Bis(2-chloroethoxy)methane

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

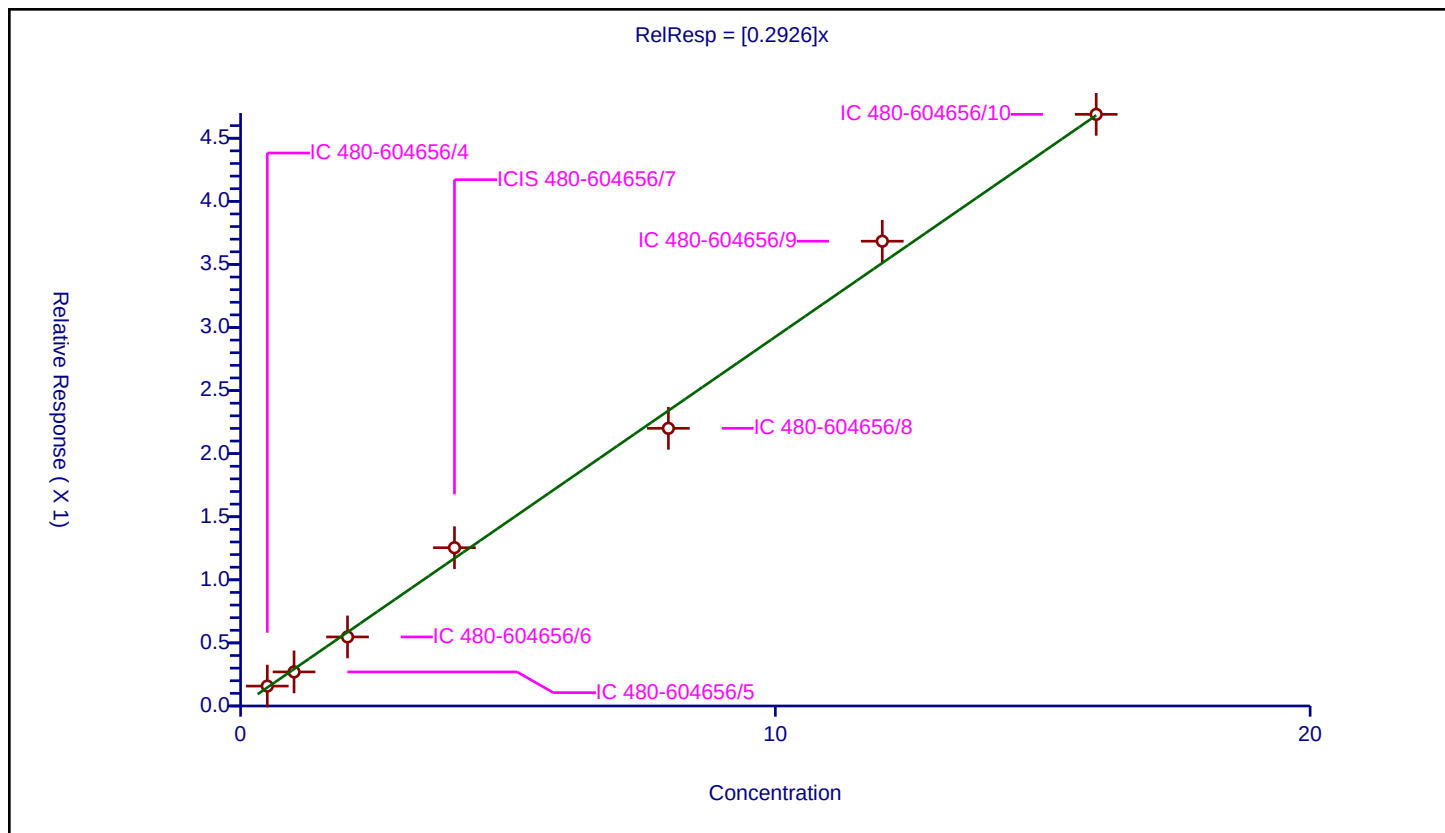
Curve Coefficients

Intercept: 0
 Slope: 0.2926

Error Coefficients

Standard Error: 722000
 Relative Standard Error: 6.8
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.157884	4.0	1074791.0	0.315767	Y
2	IC 480-604656/5	1.0	0.270013	4.0	1082140.0	0.270013	Y
3	IC 480-604656/6	2.0	0.547232	4.0	1115812.0	0.273616	Y
4	ICIS 480-604656/7	4.0	1.254572	4.0	1090979.0	0.313643	Y
5	IC 480-604656/8	8.0	2.200897	4.0	1130841.0	0.275112	Y
6	IC 480-604656/9	12.0	3.684029	4.0	1114103.0	0.307002	Y
7	IC 480-604656/10	16.0	4.68942	4.0	1058020.0	0.293089	Y



Calibration

/ 2,4-Dichlorophenol

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

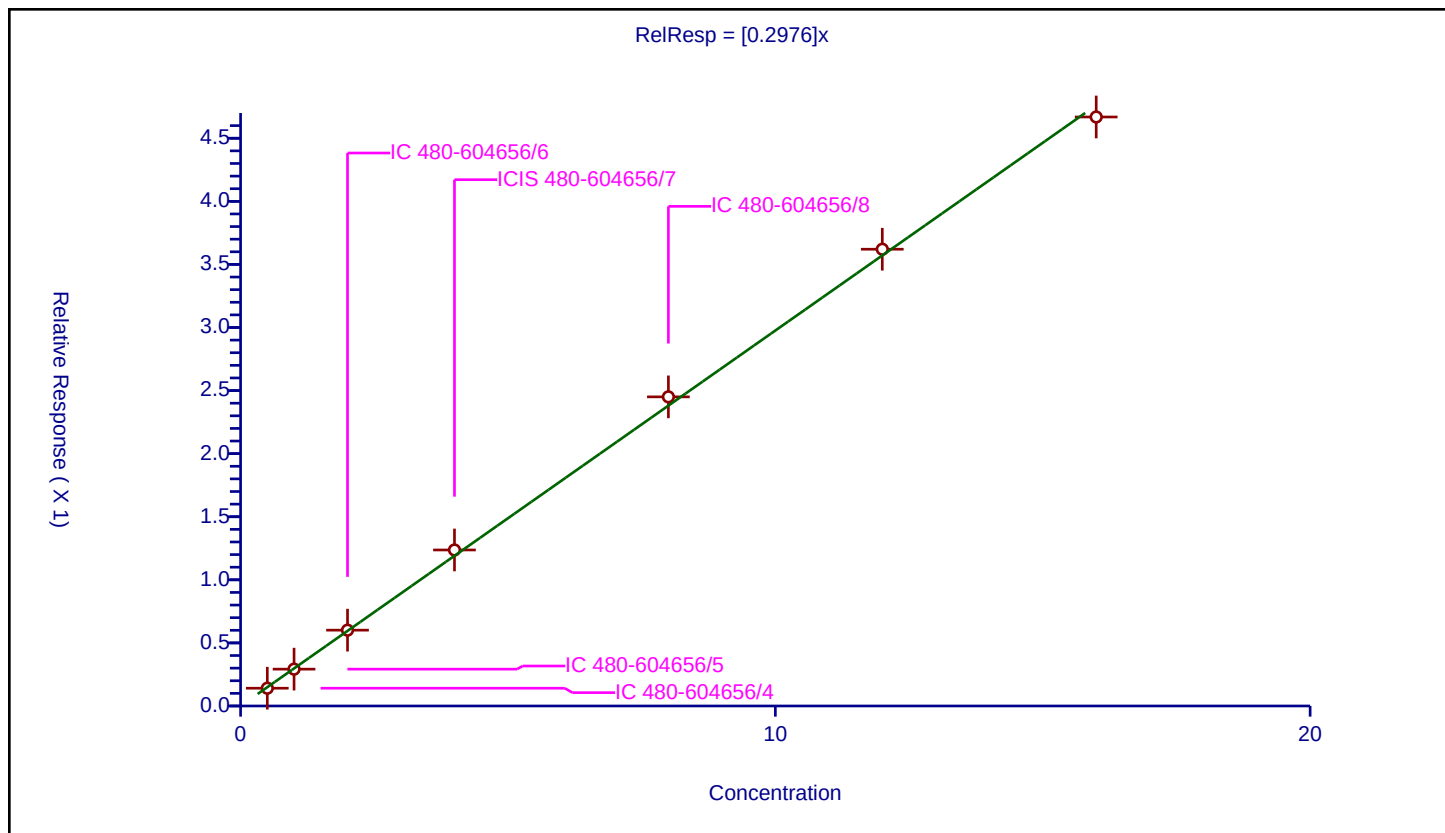
Curve Coefficients

Intercept: 0
 Slope: 0.2976

Error Coefficients

Standard Error: 727000
 Relative Standard Error: 3.2
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.140839	4.0	1074791.0	0.281677	Y
2	IC 480-604656/5	1.0	0.292036	4.0	1082140.0	0.292036	Y
3	IC 480-604656/6	2.0	0.601026	4.0	1115812.0	0.300513	Y
4	ICIS 480-604656/7	4.0	1.236482	4.0	1090979.0	0.309121	Y
5	IC 480-604656/8	8.0	2.450304	4.0	1130841.0	0.306288	Y
6	IC 480-604656/9	12.0	3.620369	4.0	1114103.0	0.301697	Y
7	IC 480-604656/10	16.0	4.668494	4.0	1058020.0	0.291781	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

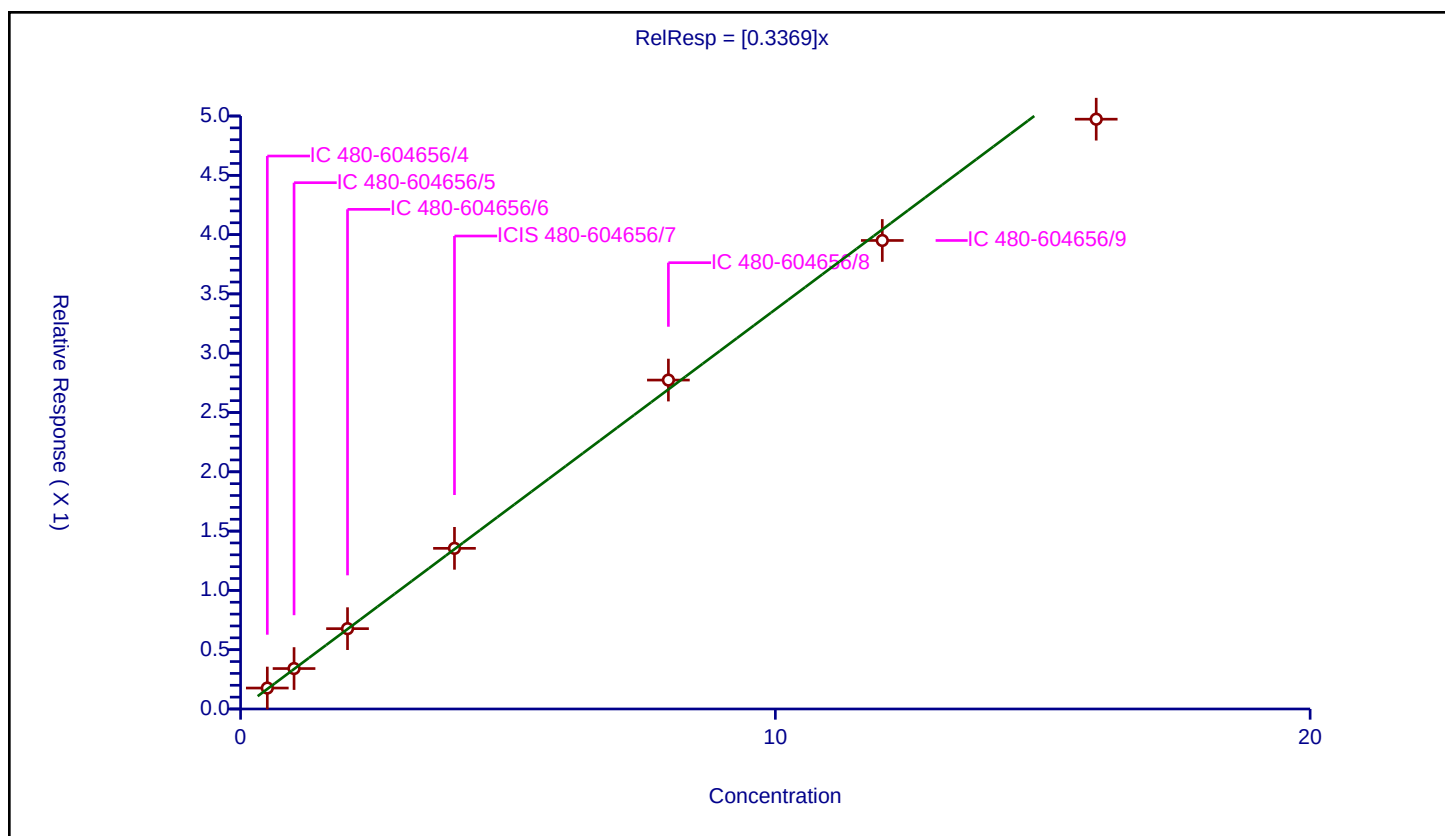
Curve Coefficients

Intercept: 0
 Slope: 0.3369

Error Coefficients

Standard Error: 789000
 Relative Standard Error: 4.1
 Correlation Coefficient: 0.991
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.176537	4.0	1074791.0	0.353073	Y
2	IC 480-604656/5	1.0	0.34108	4.0	1082140.0	0.34108	Y
3	IC 480-604656/6	2.0	0.677265	4.0	1115812.0	0.338632	Y
4	ICIS 480-604656/7	4.0	1.35453	4.0	1090979.0	0.338633	Y
5	IC 480-604656/8	8.0	2.773437	4.0	1130841.0	0.34668	Y
6	IC 480-604656/9	12.0	3.95054	4.0	1114103.0	0.329212	Y
7	IC 480-604656/10	16.0	4.973173	4.0	1058020.0	0.310823	Y



Calibration

/ Naphthalene

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

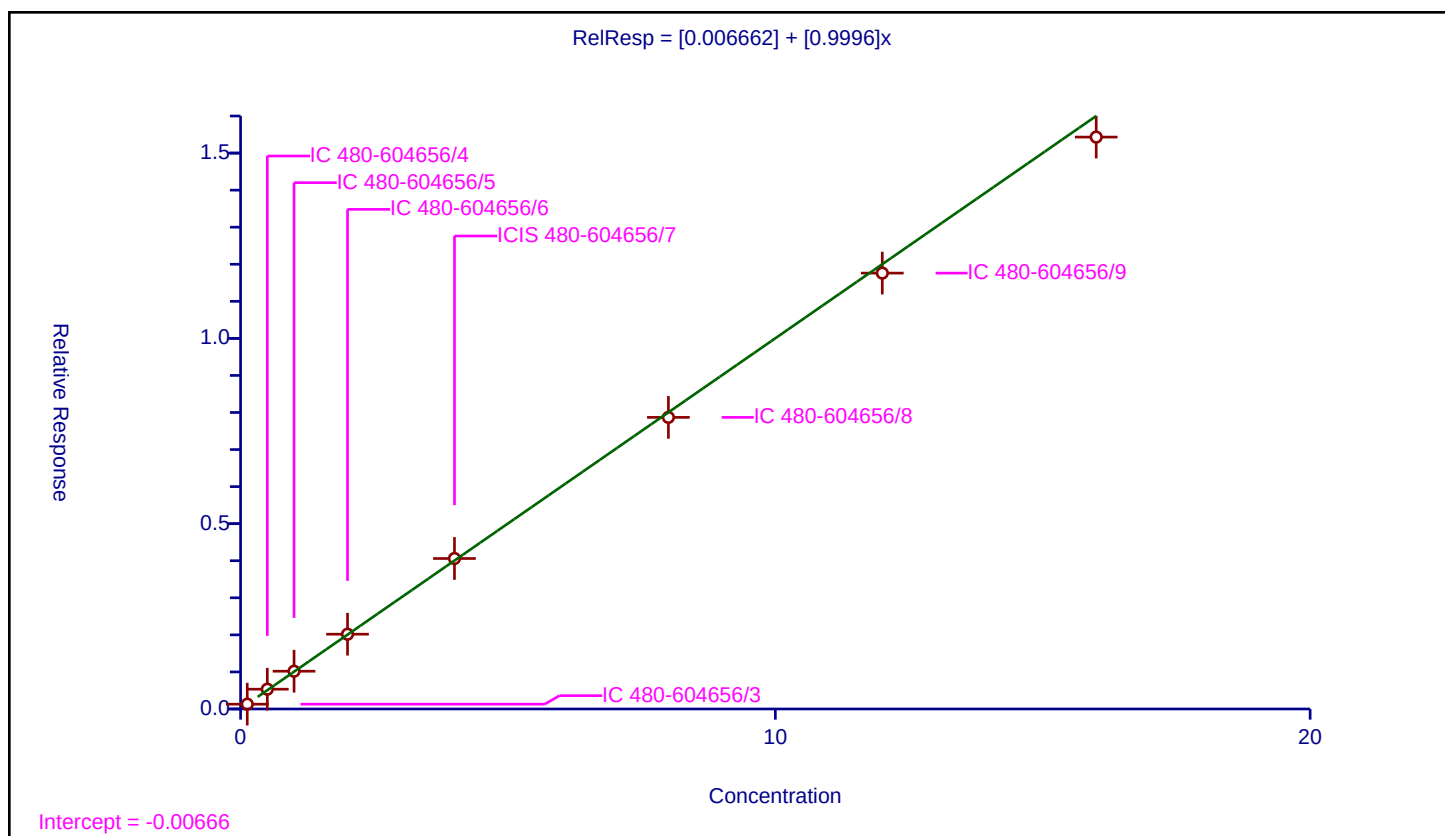
Curve Coefficients

Intercept: 0.006662
 Slope: 0.9996

Error Coefficients

Standard Error: 2380000
 Relative Standard Error: 3.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.129673	4.0	1081856.0	1.037388	Y
2	IC 480-604656/4	0.5	0.534232	4.0	1074791.0	1.068464	Y
3	IC 480-604656/5	1.0	1.018892	4.0	1082140.0	1.018892	Y
4	IC 480-604656/6	2.0	2.017989	4.0	1115812.0	1.008994	Y
5	ICIS 480-604656/7	4.0	4.060588	4.0	1090979.0	1.015147	Y
6	IC 480-604656/8	8.0	7.868431	4.0	1130841.0	0.983554	Y
7	IC 480-604656/9	12.0	11.760992	4.0	1114103.0	0.980083	Y
8	IC 480-604656/10	16.0	15.431315	4.0	1058020.0	0.964457	Y



Calibration

/ 4-Chloroaniline

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

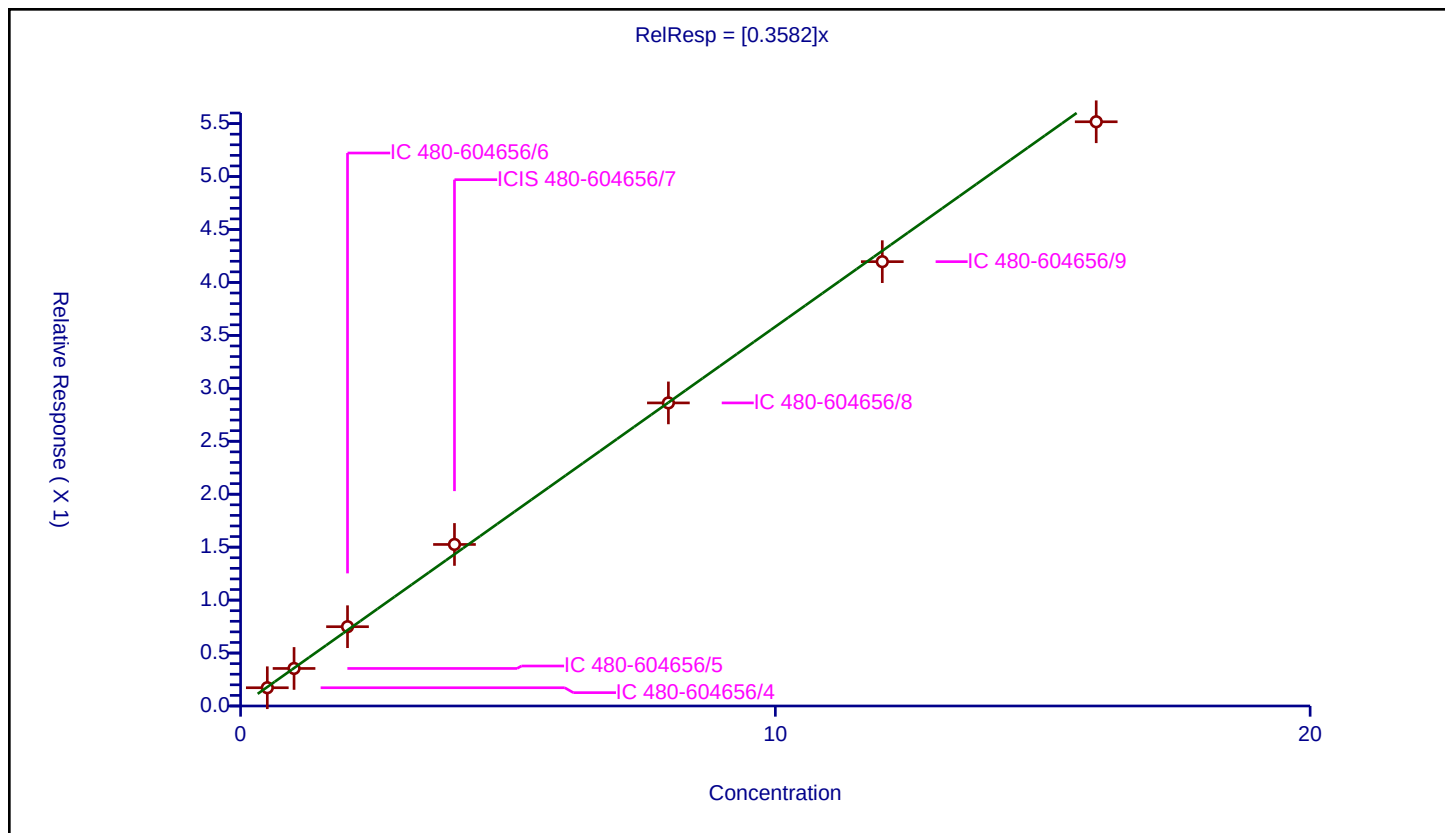
Curve Coefficients

Intercept: 0
 Slope: 0.3582

Error Coefficients

Standard Error: 854000
 Relative Standard Error: 4.0
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.172391	4.0	1074791.0	0.344781	Y
2	IC 480-604656/5	1.0	0.354468	4.0	1082140.0	0.354468	Y
3	IC 480-604656/6	2.0	0.748811	4.0	1115812.0	0.374405	Y
4	ICIS 480-604656/7	4.0	1.525525	4.0	1090979.0	0.381381	Y
5	IC 480-604656/8	8.0	2.86233	4.0	1130841.0	0.357791	Y
6	IC 480-604656/9	12.0	4.196244	4.0	1114103.0	0.349687	Y
7	IC 480-604656/10	16.0	5.517351	4.0	1058020.0	0.344834	Y



Calibration

/ 2,6-Dichlorophenol

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

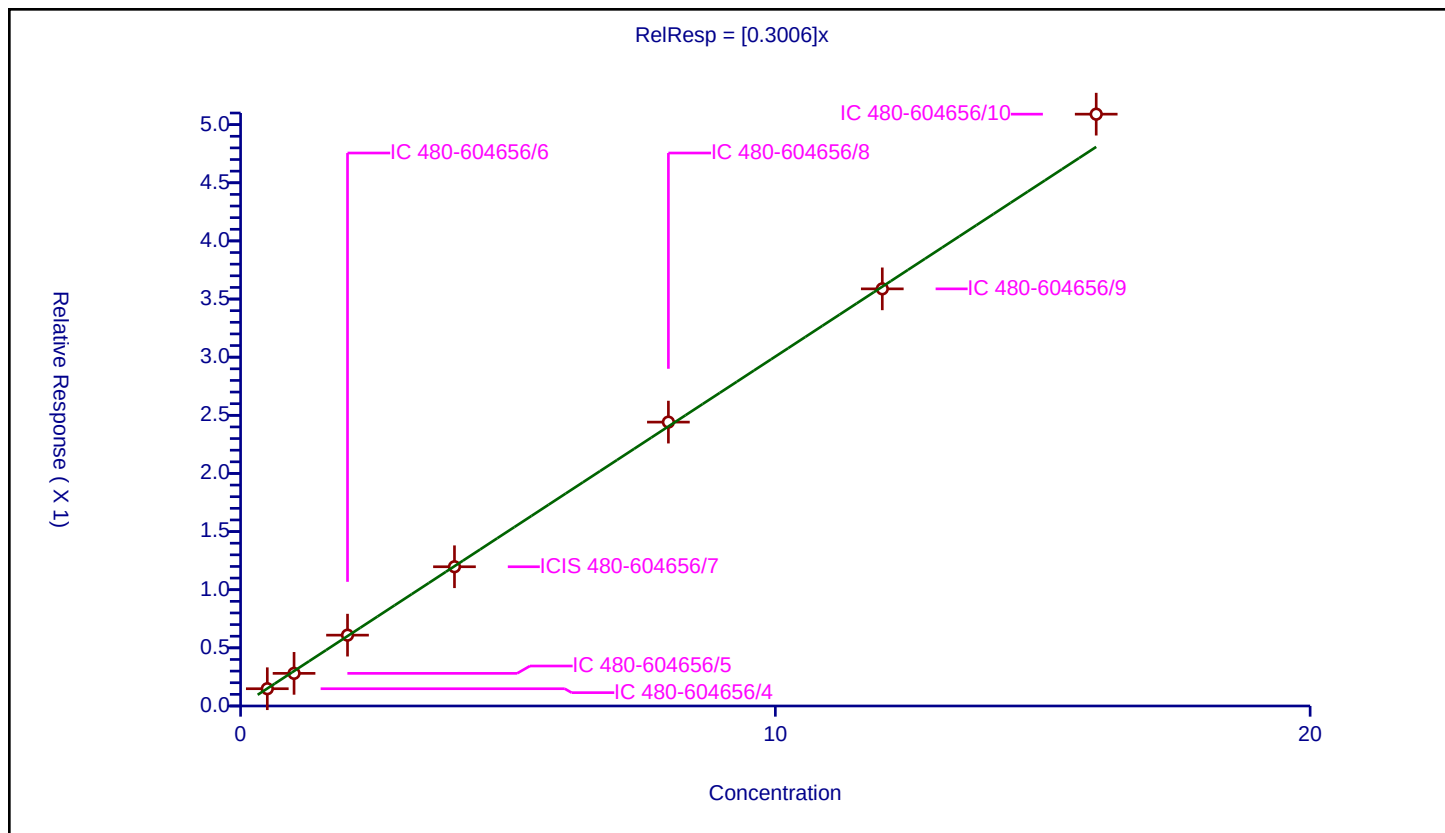
Curve Coefficients

Intercept: 0
 Slope: 0.3006

Error Coefficients

Standard Error: 756000
 Relative Standard Error: 3.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.148505	4.0	1074791.0	0.29701	Y
2	IC 480-604656/5	1.0	0.28057	4.0	1082140.0	0.28057	Y
3	IC 480-604656/6	2.0	0.609192	4.0	1115812.0	0.304596	Y
4	ICIS 480-604656/7	4.0	1.197504	4.0	1090979.0	0.299376	Y
5	IC 480-604656/8	8.0	2.441627	4.0	1130841.0	0.305203	Y
6	IC 480-604656/9	12.0	3.587747	4.0	1114103.0	0.298979	Y
7	IC 480-604656/10	16.0	5.09004	4.0	1058020.0	0.318127	Y



Calibration

/ Hexachlorobutadiene

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

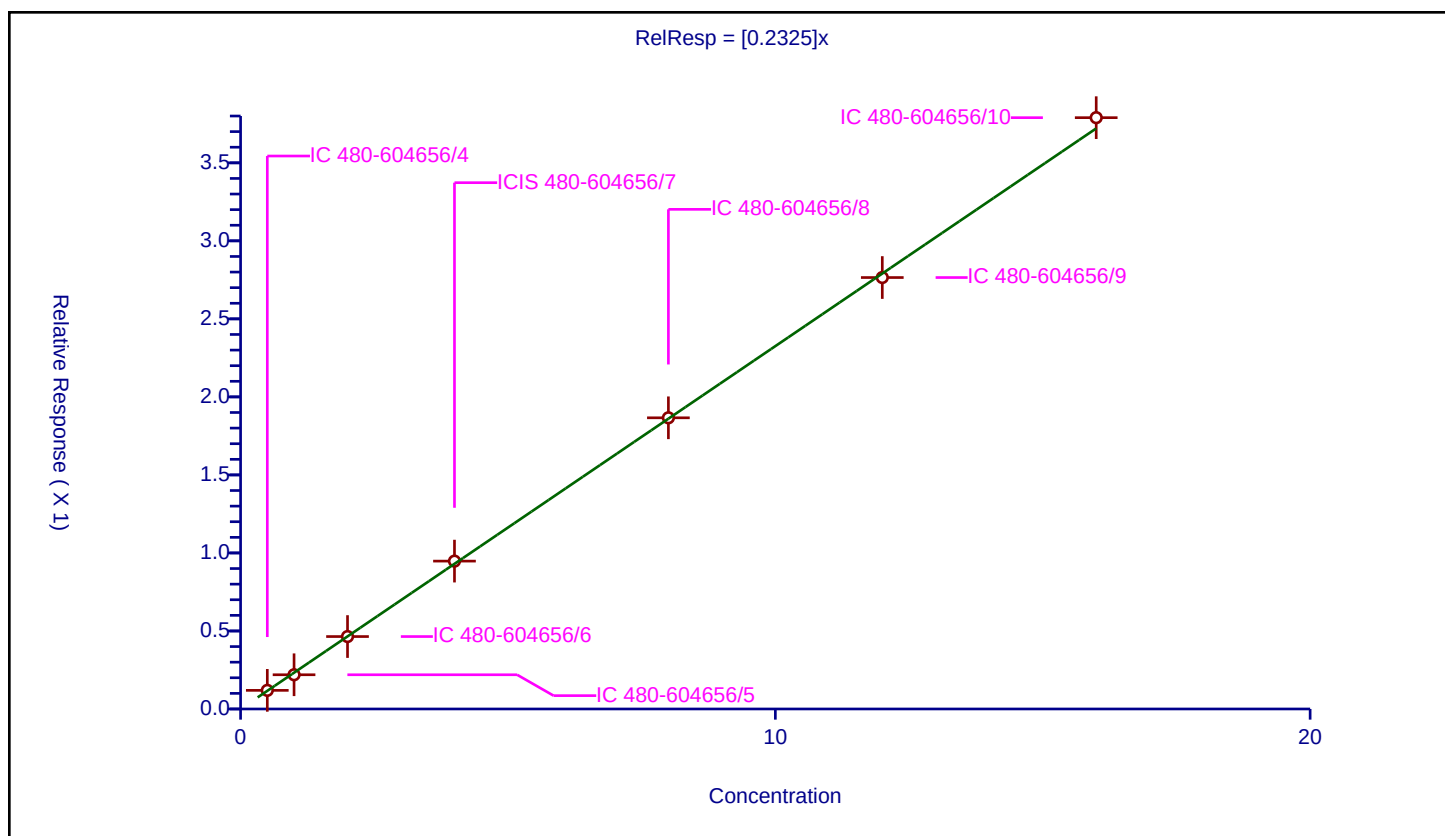
Curve Coefficients

Intercept: 0
 Slope: 0.2325

Error Coefficients

Standard Error: 572000
 Relative Standard Error: 2.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.119424	4.0	1074791.0	0.238848	Y
2	IC 480-604656/5	1.0	0.219339	4.0	1082140.0	0.219339	Y
3	IC 480-604656/6	2.0	0.464293	4.0	1115812.0	0.232147	Y
4	ICIS 480-604656/7	4.0	0.947644	4.0	1090979.0	0.236911	Y
5	IC 480-604656/8	8.0	1.866066	4.0	1130841.0	0.233258	Y
6	IC 480-604656/9	12.0	2.764969	4.0	1114103.0	0.230414	Y
7	IC 480-604656/10	16.0	3.789418	4.0	1058020.0	0.236839	Y



Calibration

/ Caprolactam

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

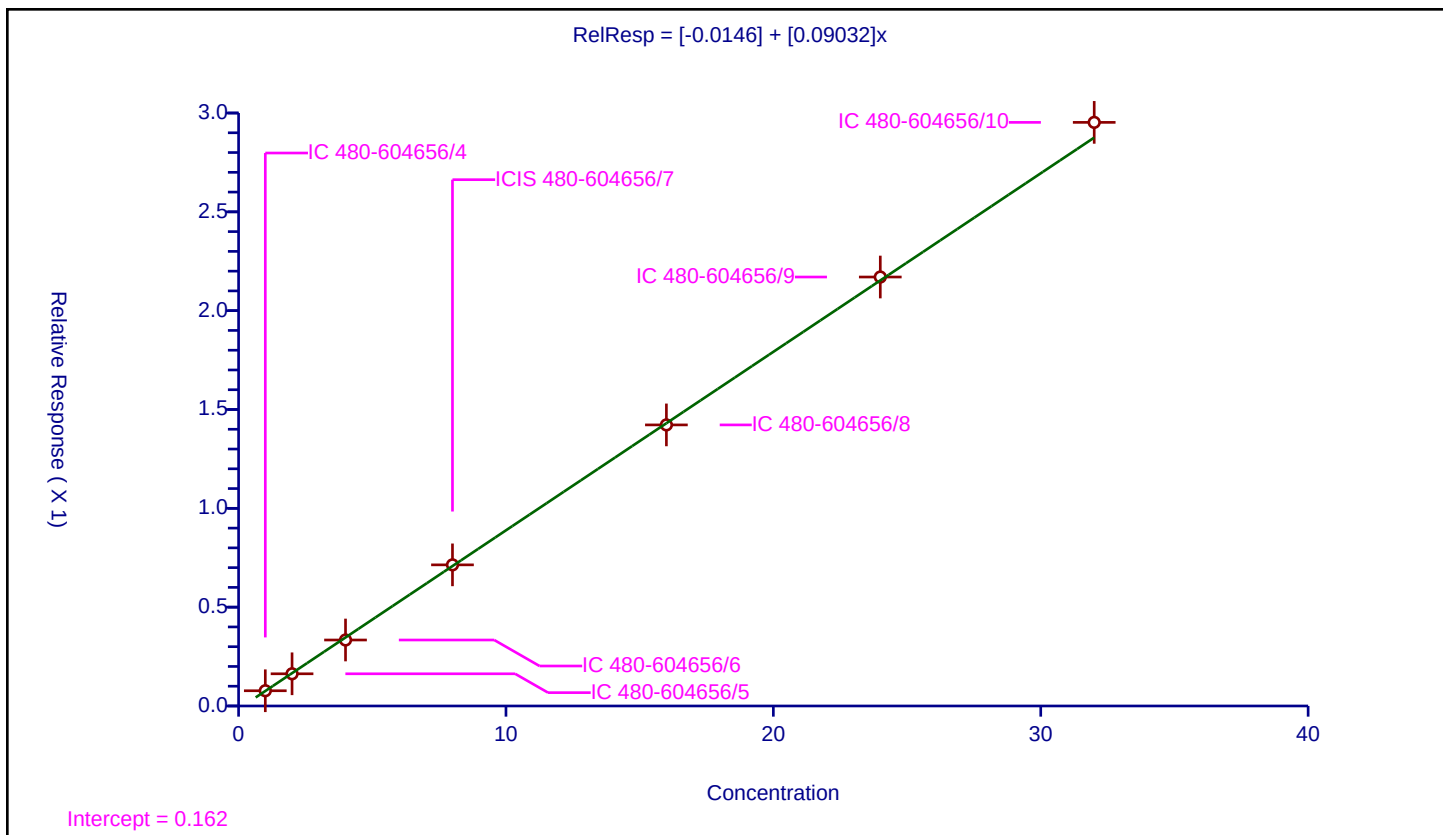
Curve Coefficients

Intercept: -0.0146
 Slope: 0.09032

Error Coefficients

Standard Error: 487000
 Relative Standard Error: 2.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.077128	4.0	1074791.0	0.077128	Y
2	IC 480-604656/5	2.0	0.162959	4.0	1082140.0	0.081479	Y
3	IC 480-604656/6	4.0	0.333816	4.0	1115812.0	0.083454	Y
4	ICIS 480-604656/7	8.0	0.713964	4.0	1090979.0	0.089246	Y
5	IC 480-604656/8	16.0	1.422011	4.0	1130841.0	0.088876	Y
6	IC 480-604656/9	24.0	2.170248	4.0	1114103.0	0.090427	Y
7	IC 480-604656/10	32.0	2.952685	4.0	1058020.0	0.092271	Y



Calibration

/ 4-Chloro-3-methylphenol

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

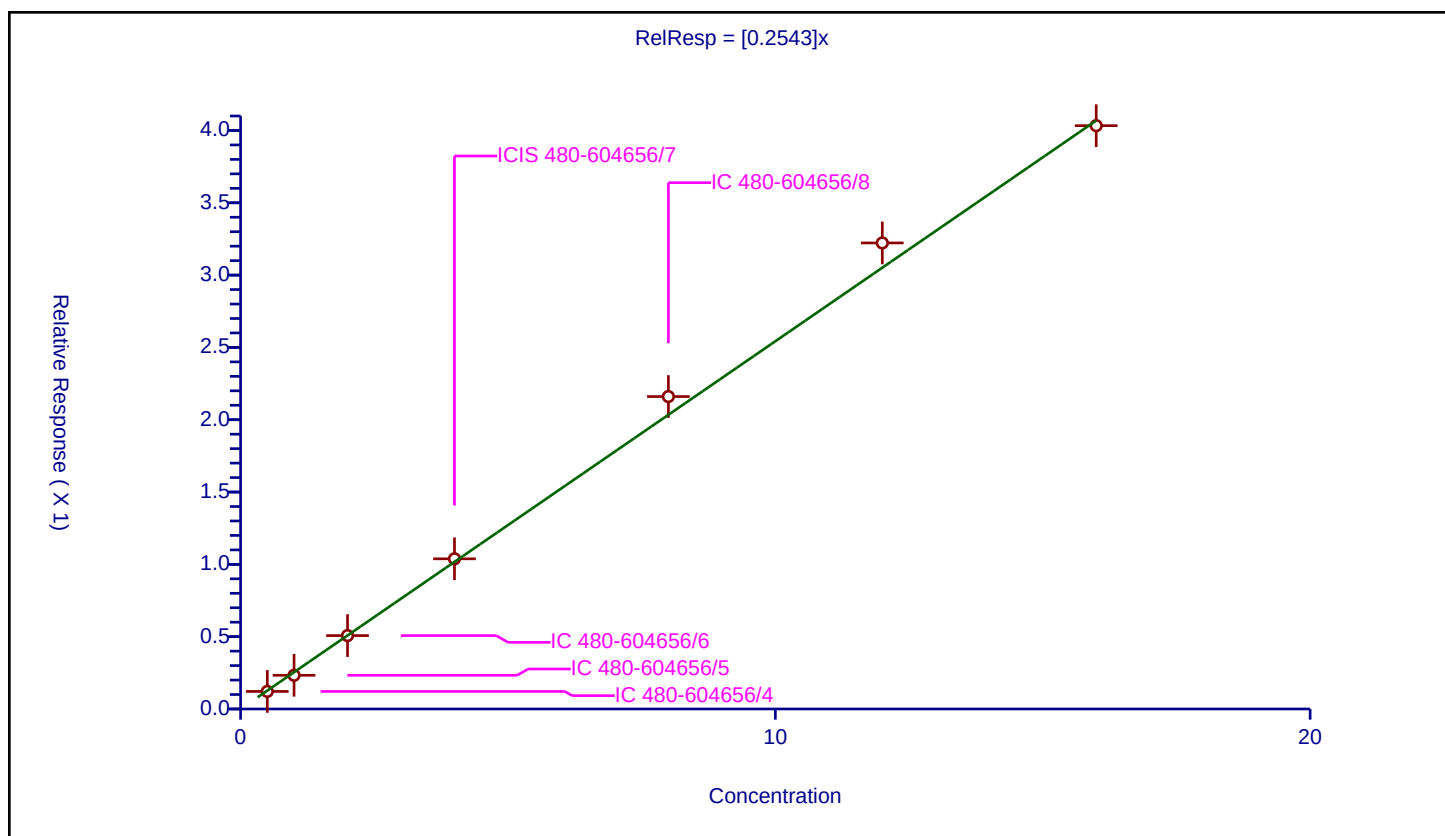
Curve Coefficients

Intercept: 0
 Slope: 0.2543

Error Coefficients

Standard Error: 635000
 Relative Standard Error: 5.3
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.121501	4.0	1074791.0	0.243002	Y
2	IC 480-604656/5	1.0	0.232879	4.0	1082140.0	0.232879	Y
3	IC 480-604656/6	2.0	0.507469	4.0	1115812.0	0.253735	Y
4	ICIS 480-604656/7	4.0	1.038425	4.0	1090979.0	0.259606	Y
5	IC 480-604656/8	8.0	2.160222	4.0	1130841.0	0.270028	Y
6	IC 480-604656/9	12.0	3.222388	4.0	1114103.0	0.268532	Y
7	IC 480-604656/10	16.0	4.033251	4.0	1058020.0	0.252078	Y



Calibration

/ 2-Methylnaphthalene

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

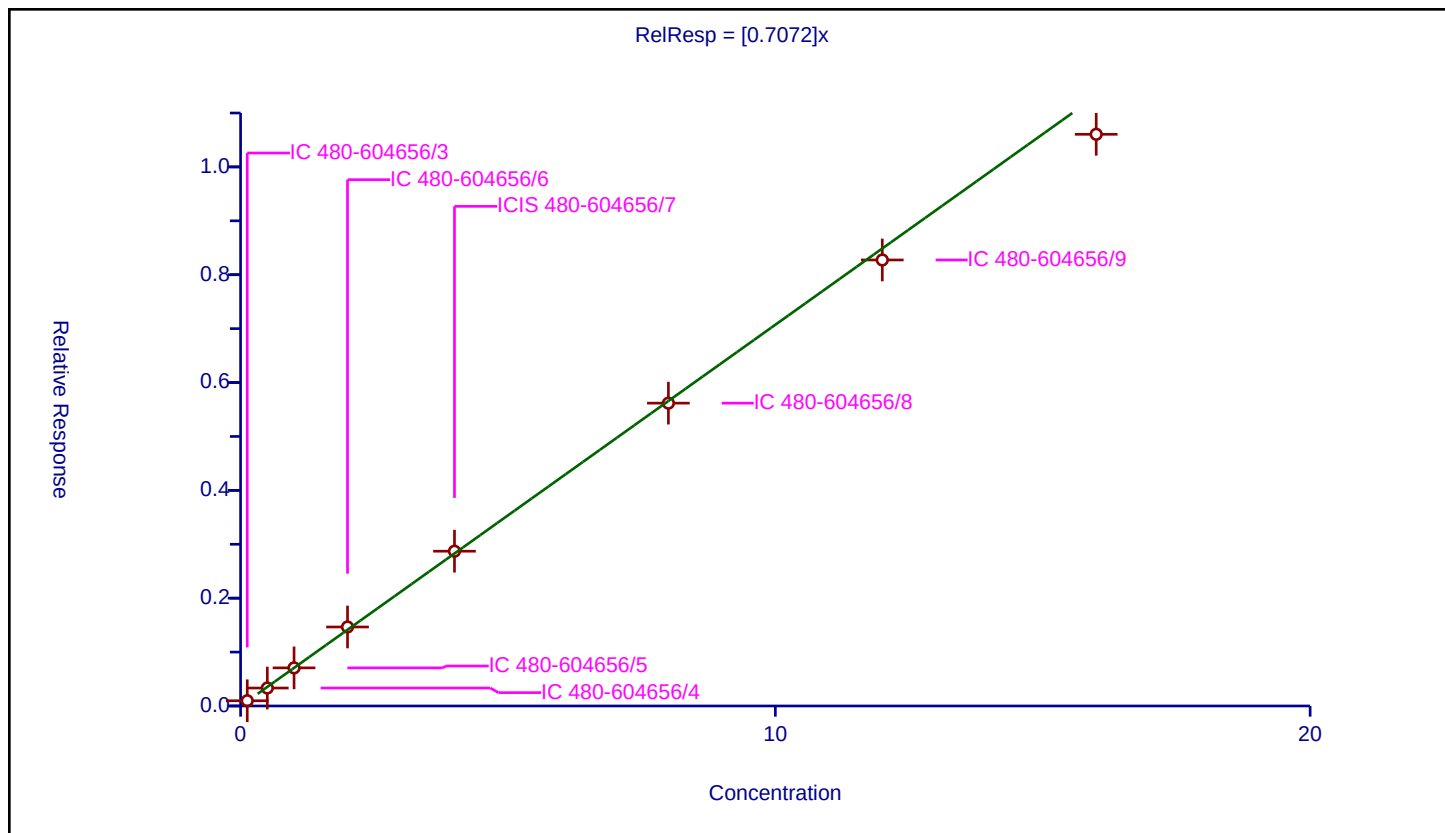
Curve Coefficients

Intercept: 0
 Slope: 0.7072

Error Coefficients

Standard Error: 1540000
 Relative Standard Error: 5.3
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.097407	4.0	1081856.0	0.779253	Y
2	IC 480-604656/4	0.5	0.333114	4.0	1074791.0	0.666228	Y
3	IC 480-604656/5	1.0	0.707117	4.0	1082140.0	0.707117	Y
4	IC 480-604656/6	2.0	1.465548	4.0	1115812.0	0.732774	Y
5	ICIS 480-604656/7	4.0	2.871582	4.0	1090979.0	0.717896	Y
6	IC 480-604656/8	8.0	5.617822	4.0	1130841.0	0.702228	Y
7	IC 480-604656/9	12.0	8.274036	4.0	1114103.0	0.689503	Y
8	IC 480-604656/10	16.0	10.605444	4.0	1058020.0	0.66284	Y



Calibration

/ 1-Methylnaphthalene

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

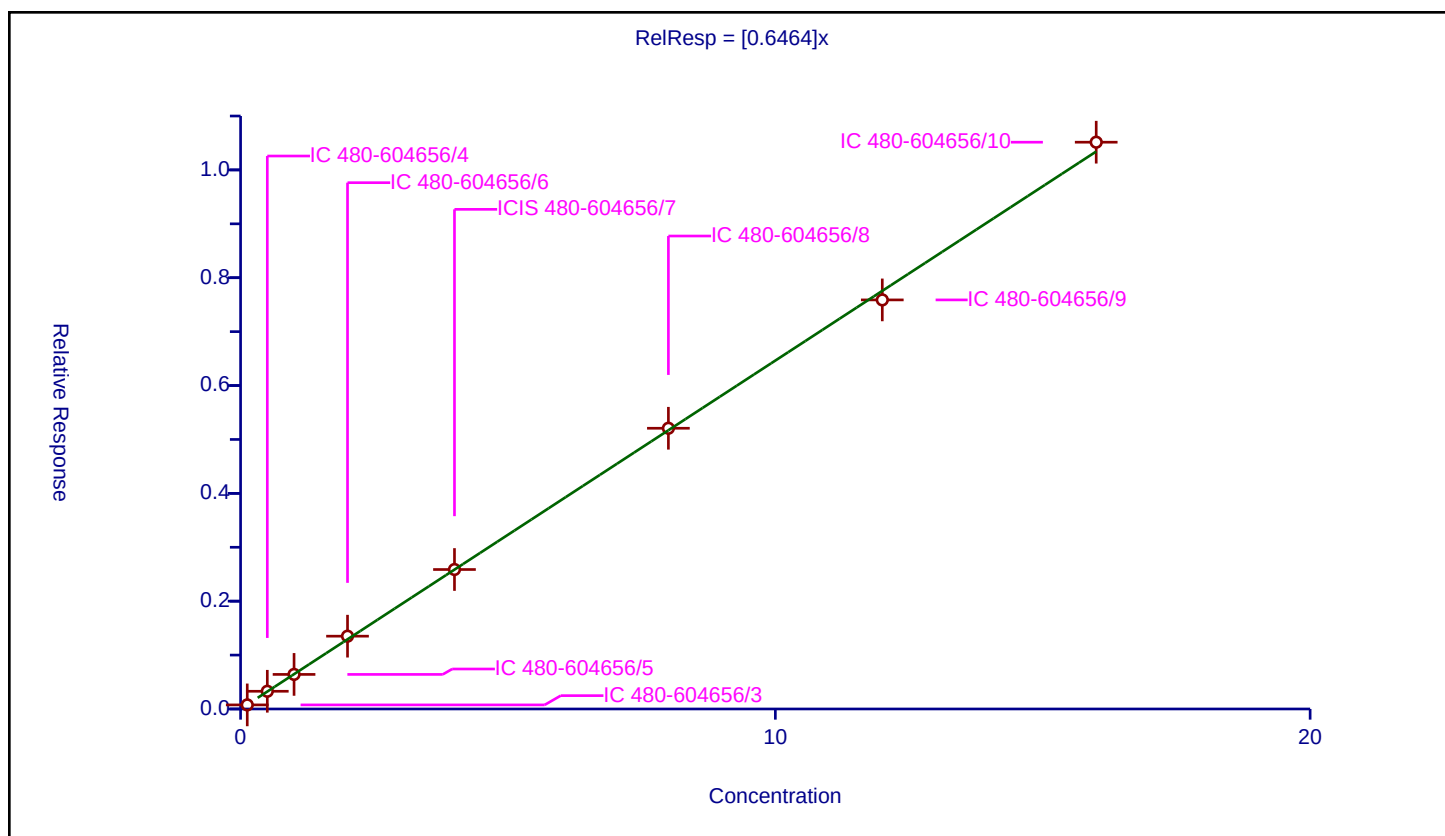
Curve Coefficients

Intercept: 0
 Slope: 0.6464

Error Coefficients

Standard Error: 1470000
 Relative Standard Error: 3.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.076099	4.0	1081856.0	0.608791	Y
2	IC 480-604656/4	0.5	0.328912	4.0	1074791.0	0.657825	Y
3	IC 480-604656/5	1.0	0.641444	4.0	1082140.0	0.641444	Y
4	IC 480-604656/6	2.0	1.350959	4.0	1115812.0	0.675479	Y
5	ICIS 480-604656/7	4.0	2.587273	4.0	1090979.0	0.646818	Y
6	IC 480-604656/8	8.0	5.207809	4.0	1130841.0	0.650976	Y
7	IC 480-604656/9	12.0	7.588724	4.0	1114103.0	0.632394	Y
8	IC 480-604656/10	16.0	10.514319	4.0	1058020.0	0.657145	Y



Calibration

/ Hexachlorocyclopentadiene

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

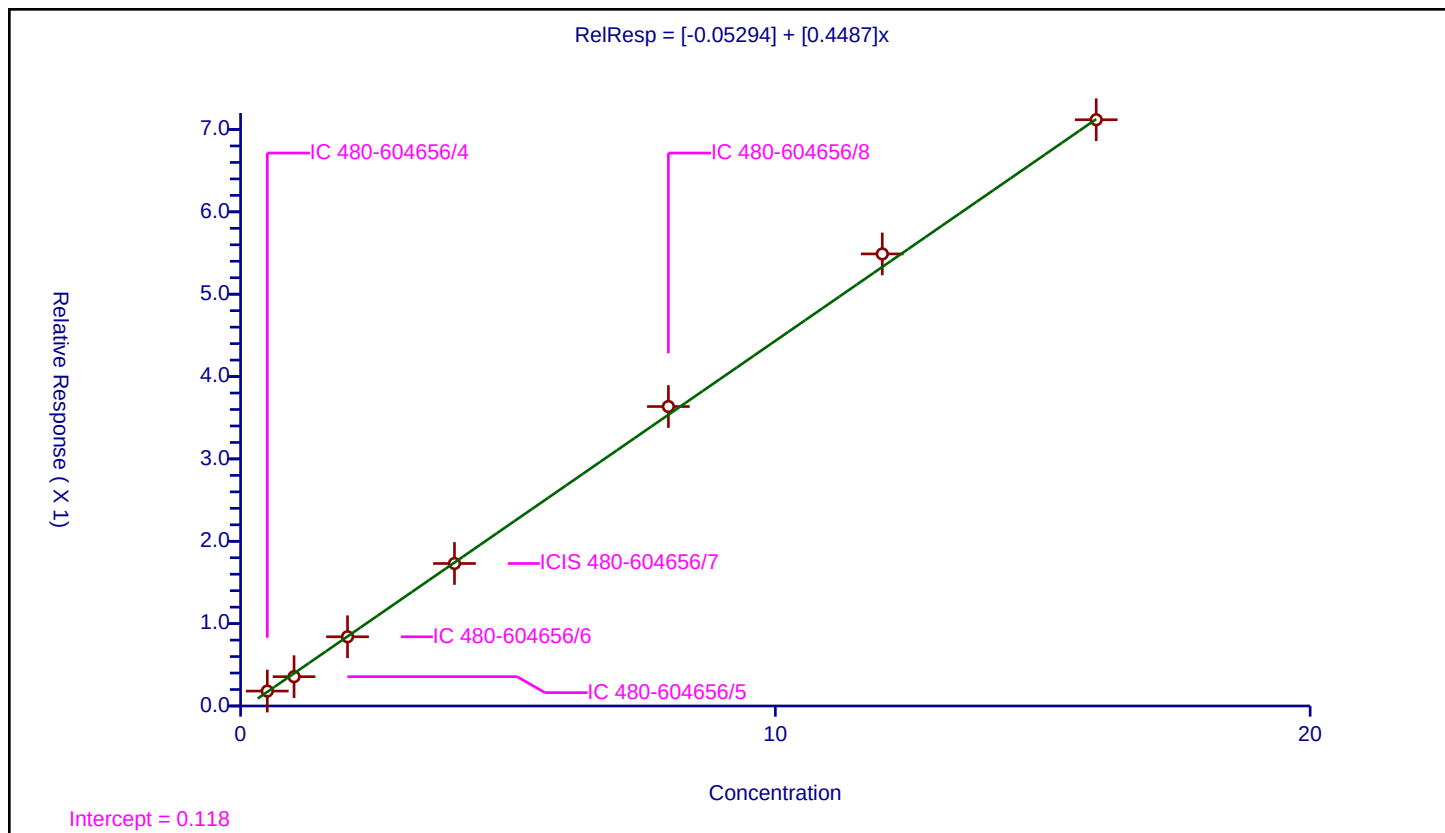
Curve Coefficients

Intercept: -0.05294
 Slope: 0.4487

Error Coefficients

Standard Error: 732000
 Relative Standard Error: 4.8
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.181091	4.0	650435.0	0.362182	Y
2	IC 480-604656/5	1.0	0.35603	4.0	631835.0	0.35603	Y
3	IC 480-604656/6	2.0	0.840436	4.0	663332.0	0.420218	Y
4	ICIS 480-604656/7	4.0	1.730188	4.0	657931.0	0.432547	Y
5	IC 480-604656/8	8.0	3.636042	4.0	687311.0	0.454505	Y
6	IC 480-604656/9	12.0	5.489127	4.0	669203.0	0.457427	Y
7	IC 480-604656/10	16.0	7.118298	4.0	651268.0	0.444894	Y



Calibration

/ 1,2,4,5-Tetrachlorobenzene

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

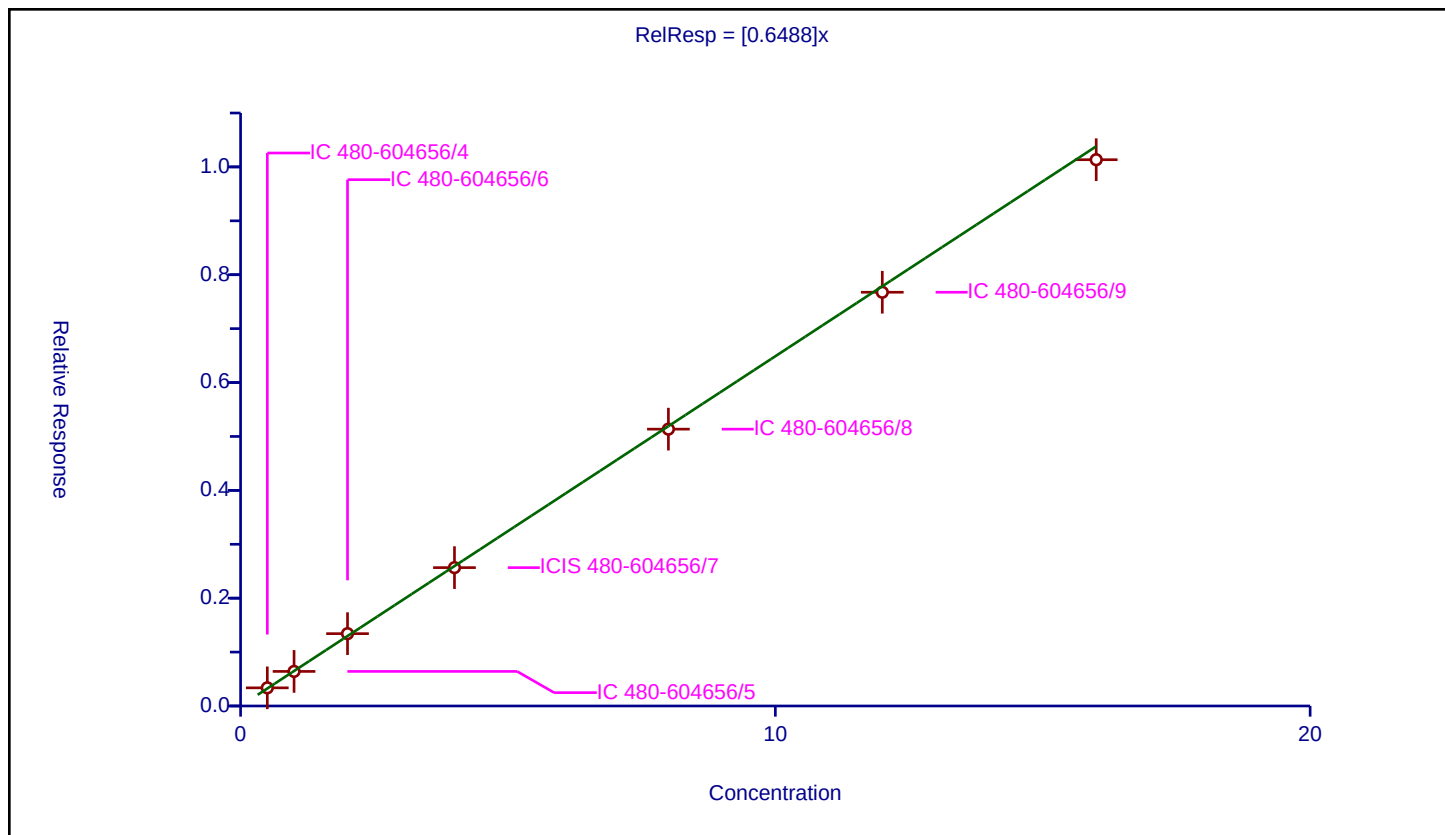
Curve Coefficients

Intercept: 0
 Slope: 0.6488

Error Coefficients

Standard Error: 948000
 Relative Standard Error: 2.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.336501	4.0	650435.0	0.673002	Y
2	IC 480-604656/5	1.0	0.641148	4.0	631835.0	0.641148	Y
3	IC 480-604656/6	2.0	1.342061	4.0	663332.0	0.67103	Y
4	ICIS 480-604656/7	4.0	2.566458	4.0	657931.0	0.641614	Y
5	IC 480-604656/8	8.0	5.135736	4.0	687311.0	0.641967	Y
6	IC 480-604656/9	12.0	7.675178	4.0	669203.0	0.639598	Y
7	IC 480-604656/10	16.0	10.133837	4.0	651268.0	0.633365	Y



Calibration

/ 2,4,6-Trichlorophenol

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

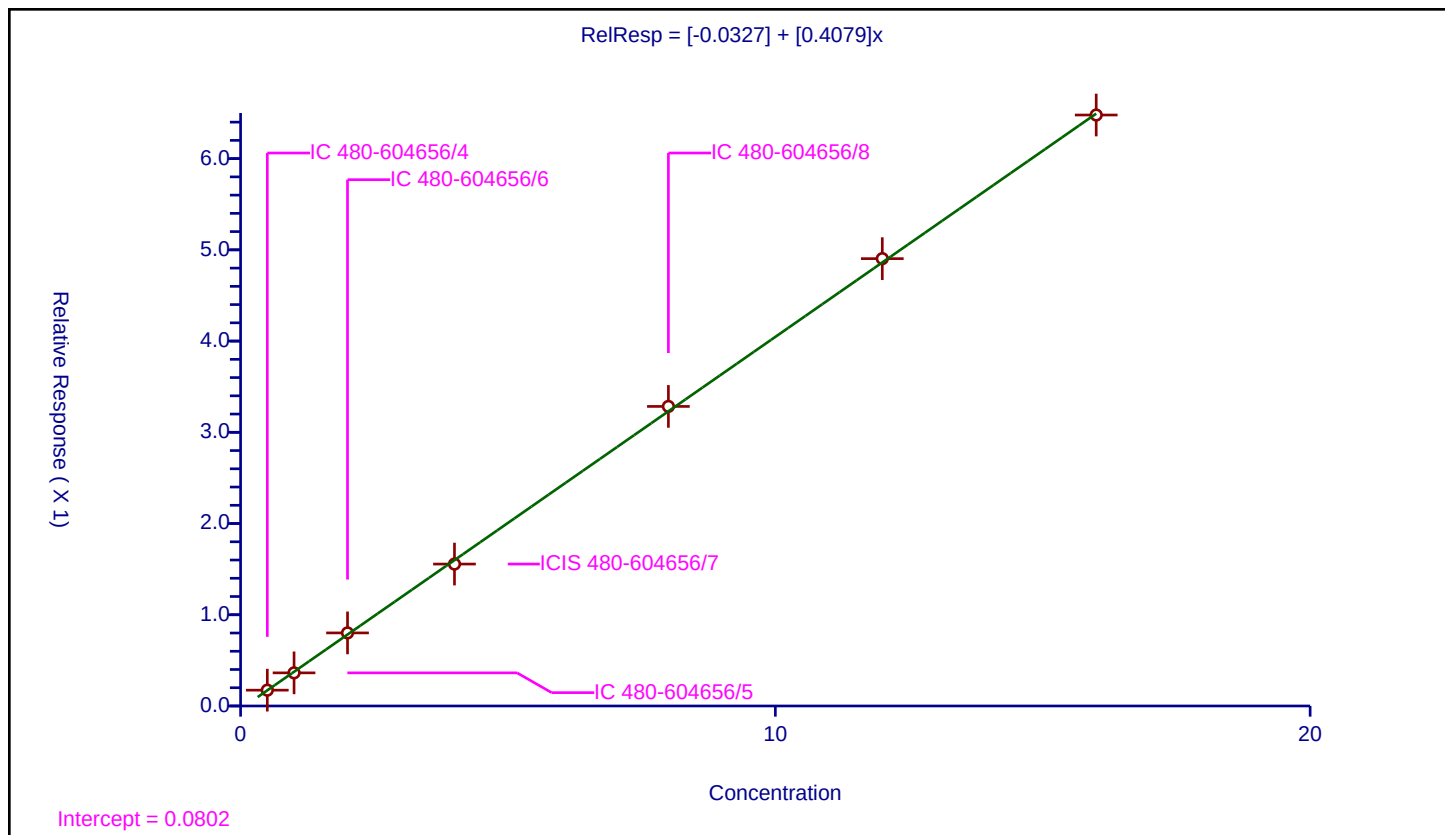
Curve Coefficients

Intercept: -0.0327
 Slope: 0.4079

Error Coefficients

Standard Error: 662000
 Relative Standard Error: 2.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.173515	4.0	650435.0	0.347029	Y
2	IC 480-604656/5	1.0	0.363209	4.0	631835.0	0.363209	Y
3	IC 480-604656/6	2.0	0.800987	4.0	663332.0	0.400493	Y
4	ICIS 480-604656/7	4.0	1.55578	4.0	657931.0	0.388945	Y
5	IC 480-604656/8	8.0	3.283713	4.0	687311.0	0.410464	Y
6	IC 480-604656/9	12.0	4.903564	4.0	669203.0	0.40863	Y
7	IC 480-604656/10	16.0	6.478132	4.0	651268.0	0.404883	Y



Calibration

/ 2,4,5-Trichlorophenol

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

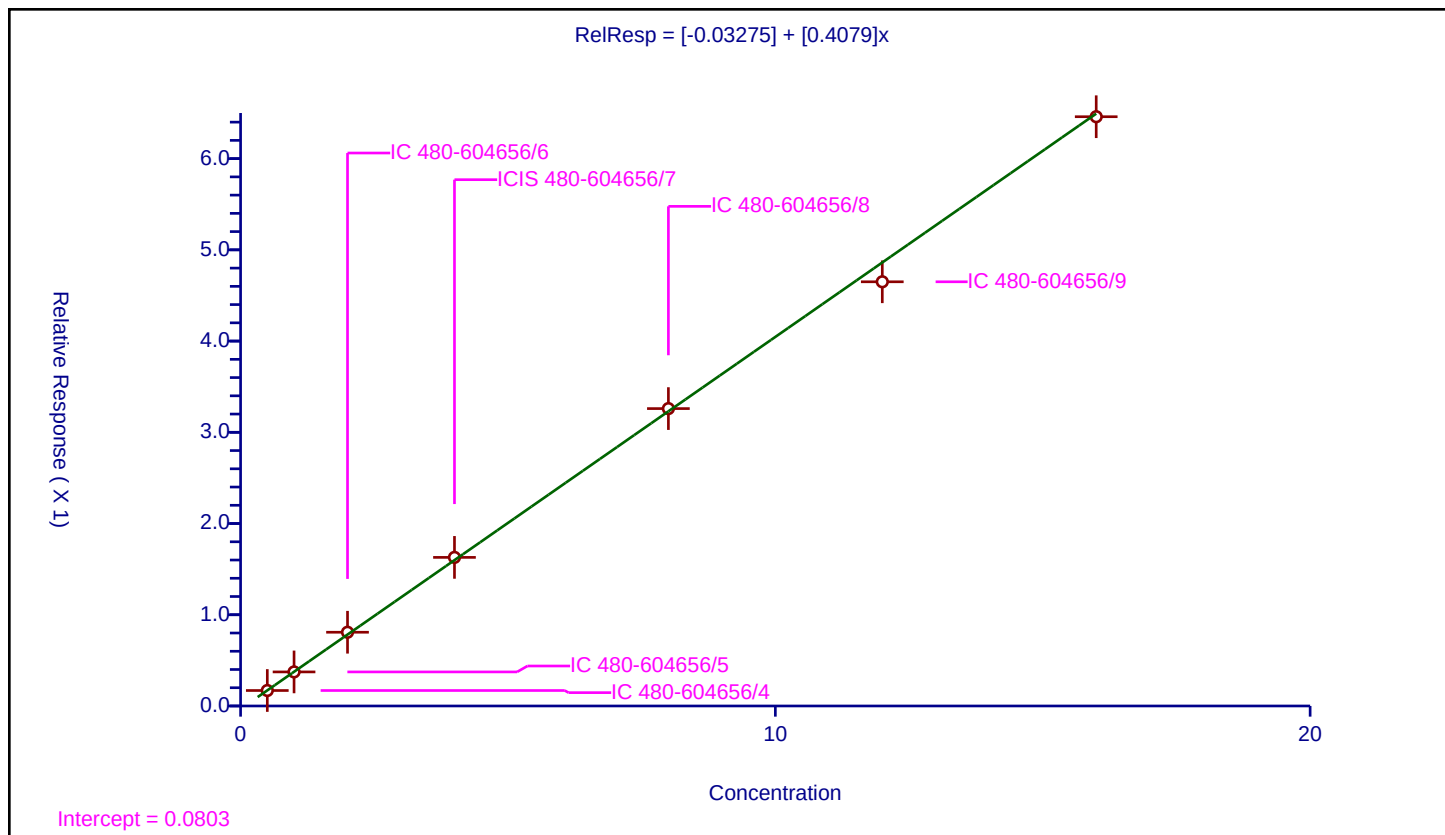
Curve Coefficients

Intercept: -0.03275
 Slope: 0.4079

Error Coefficients

Standard Error: 651000
 Relative Standard Error: 2.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.169782	4.0	650435.0	0.339564	Y
2	IC 480-604656/5	1.0	0.373541	4.0	631835.0	0.373541	Y
3	IC 480-604656/6	2.0	0.80838	4.0	663332.0	0.40419	Y
4	ICIS 480-604656/7	4.0	1.628991	4.0	657931.0	0.407248	Y
5	IC 480-604656/8	8.0	3.259997	4.0	687311.0	0.4075	Y
6	IC 480-604656/9	12.0	4.650093	4.0	669203.0	0.387508	Y
7	IC 480-604656/10	16.0	6.459399	4.0	651268.0	0.403712	Y



Calibration

/ 2-Fluorobiphenyl

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

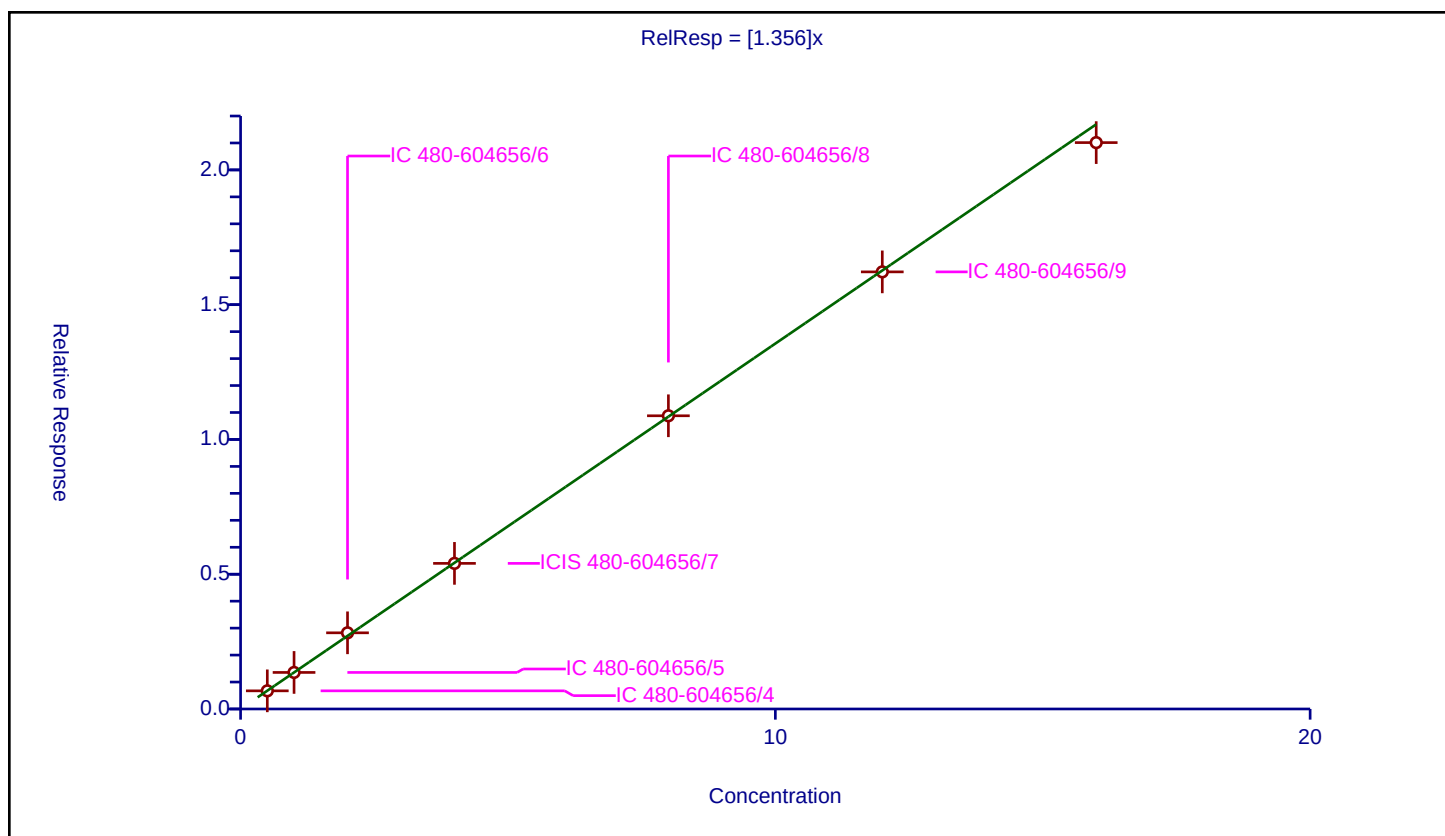
Curve Coefficients

Intercept: 0
Slope: 1.356

Error Coefficients

Standard Error: 1980000
Relative Standard Error: 2.2
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.673223	4.0	650435.0	1.346447	Y
2	IC 480-604656/5	1.0	1.355582	4.0	631835.0	1.355582	Y
3	IC 480-604656/6	2.0	2.825969	4.0	663332.0	1.412985	Y
4	ICIS 480-604656/7	4.0	5.402311	4.0	657931.0	1.350578	Y
5	IC 480-604656/8	8.0	10.87822	4.0	687311.0	1.359777	Y
6	IC 480-604656/9	12.0	16.217393	4.0	669203.0	1.351449	Y
7	IC 480-604656/10	16.0	21.013463	4.0	651268.0	1.313341	Y



Calibration

/ 1,1'-Biphenyl

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

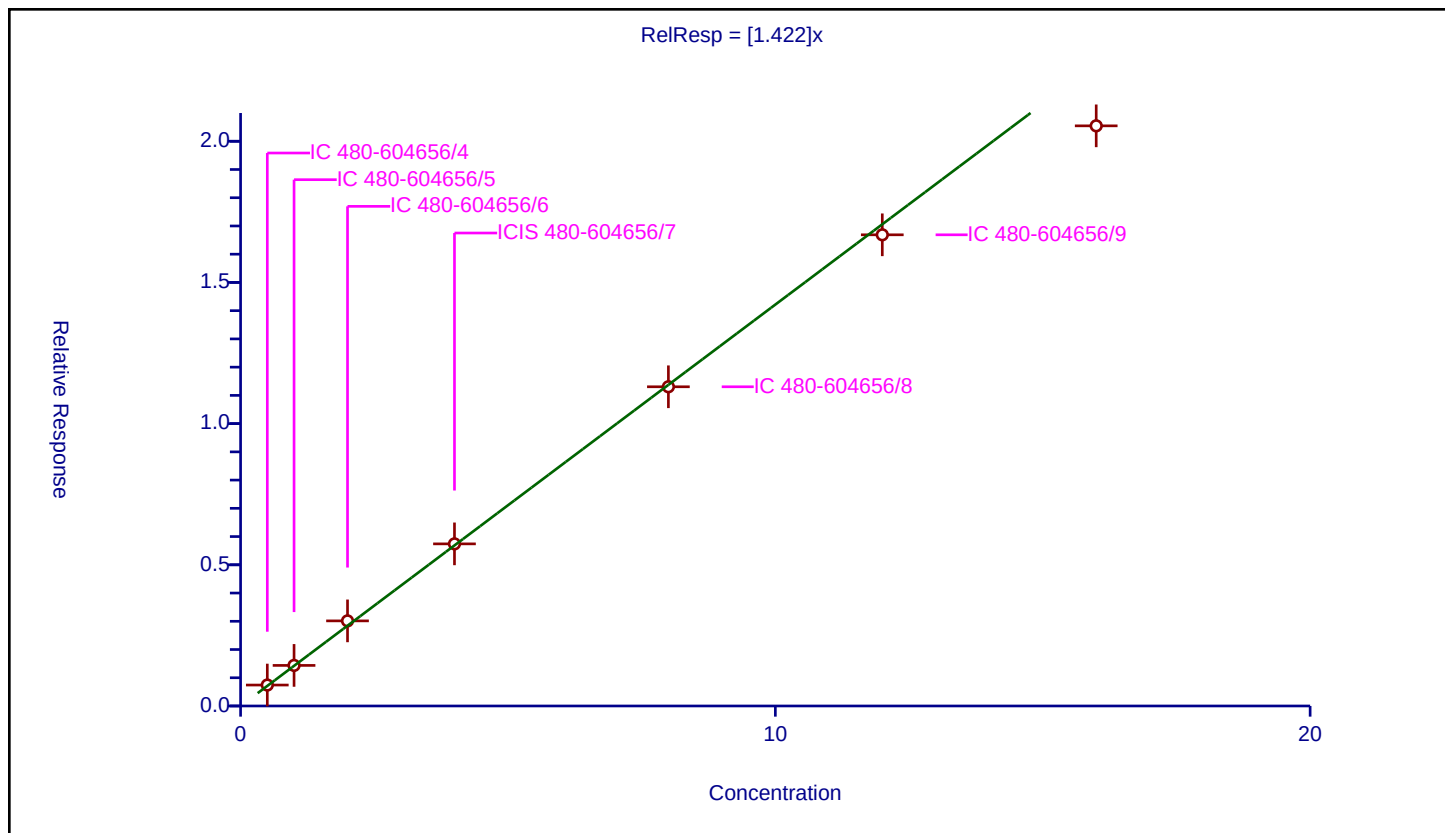
Curve Coefficients

Intercept: 0
Slope: 1.422

Error Coefficients

Standard Error: 2000000
Relative Standard Error: 5.1
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.74199	4.0	650435.0	1.483979	Y
2	IC 480-604656/5	1.0	1.437046	4.0	631835.0	1.437046	Y
3	IC 480-604656/6	2.0	3.013574	4.0	663332.0	1.506787	Y
4	ICIS 480-604656/7	4.0	5.741702	4.0	657931.0	1.435426	Y
5	IC 480-604656/8	8.0	11.305089	4.0	687311.0	1.413136	Y
6	IC 480-604656/9	12.0	16.68699	4.0	669203.0	1.390583	Y
7	IC 480-604656/10	16.0	20.546178	4.0	651268.0	1.284136	Y



Calibration

/ 2-Chloronaphthalene

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

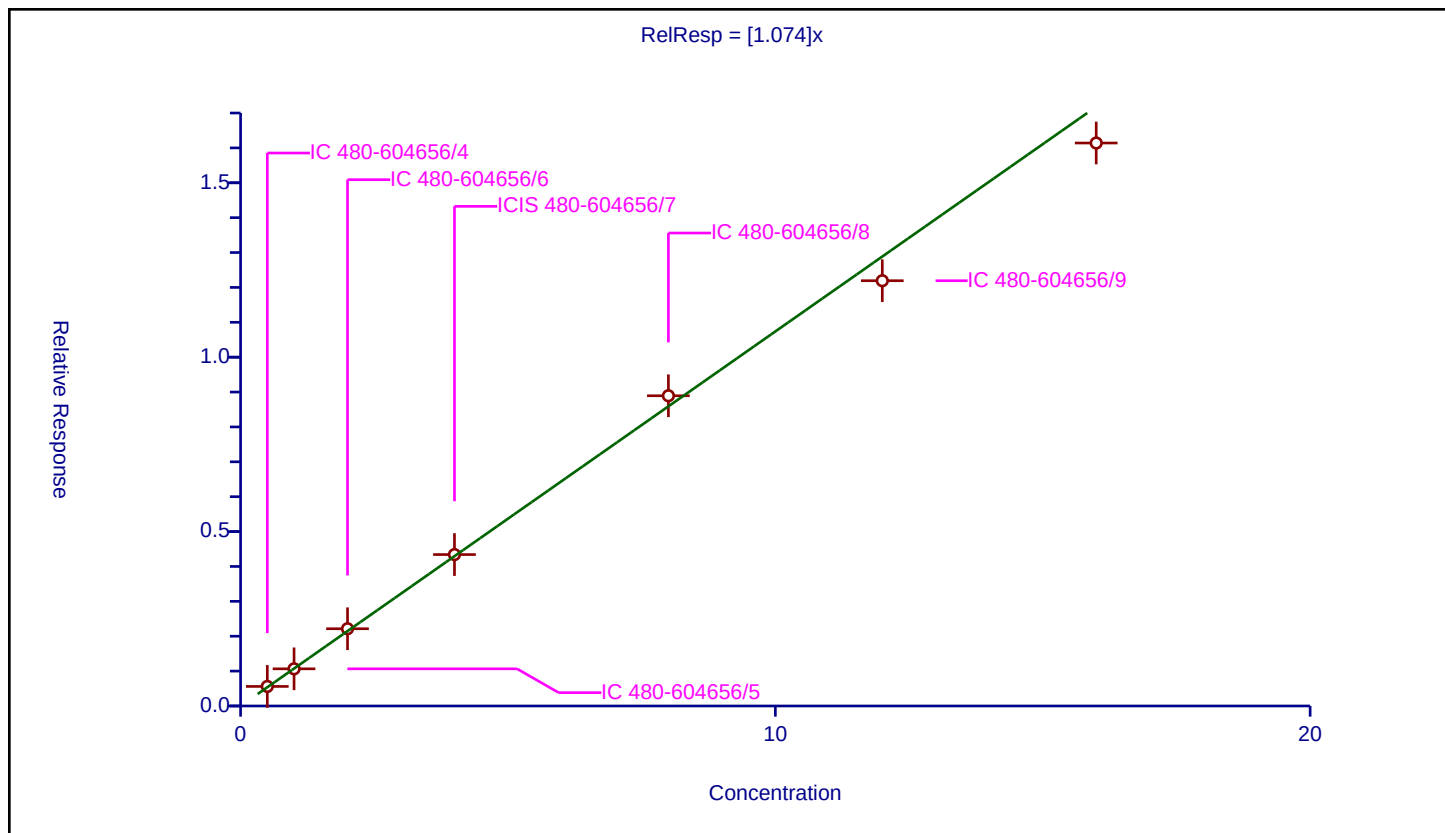
Curve Coefficients

Intercept: 0
 Slope: 1.074

Error Coefficients

Standard Error: 1530000
 Relative Standard Error: 4.3
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.561065	4.0	650435.0	1.122129	Y
2	IC 480-604656/5	1.0	1.065202	4.0	631835.0	1.065202	Y
3	IC 480-604656/6	2.0	2.21439	4.0	663332.0	1.107195	Y
4	ICIS 480-604656/7	4.0	4.341258	4.0	657931.0	1.085314	Y
5	IC 480-604656/8	8.0	8.894	4.0	687311.0	1.11175	Y
6	IC 480-604656/9	12.0	12.191673	4.0	669203.0	1.015973	Y
7	IC 480-604656/10	16.0	16.139924	4.0	651268.0	1.008745	Y



Calibration

/ 2-Nitroaniline

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

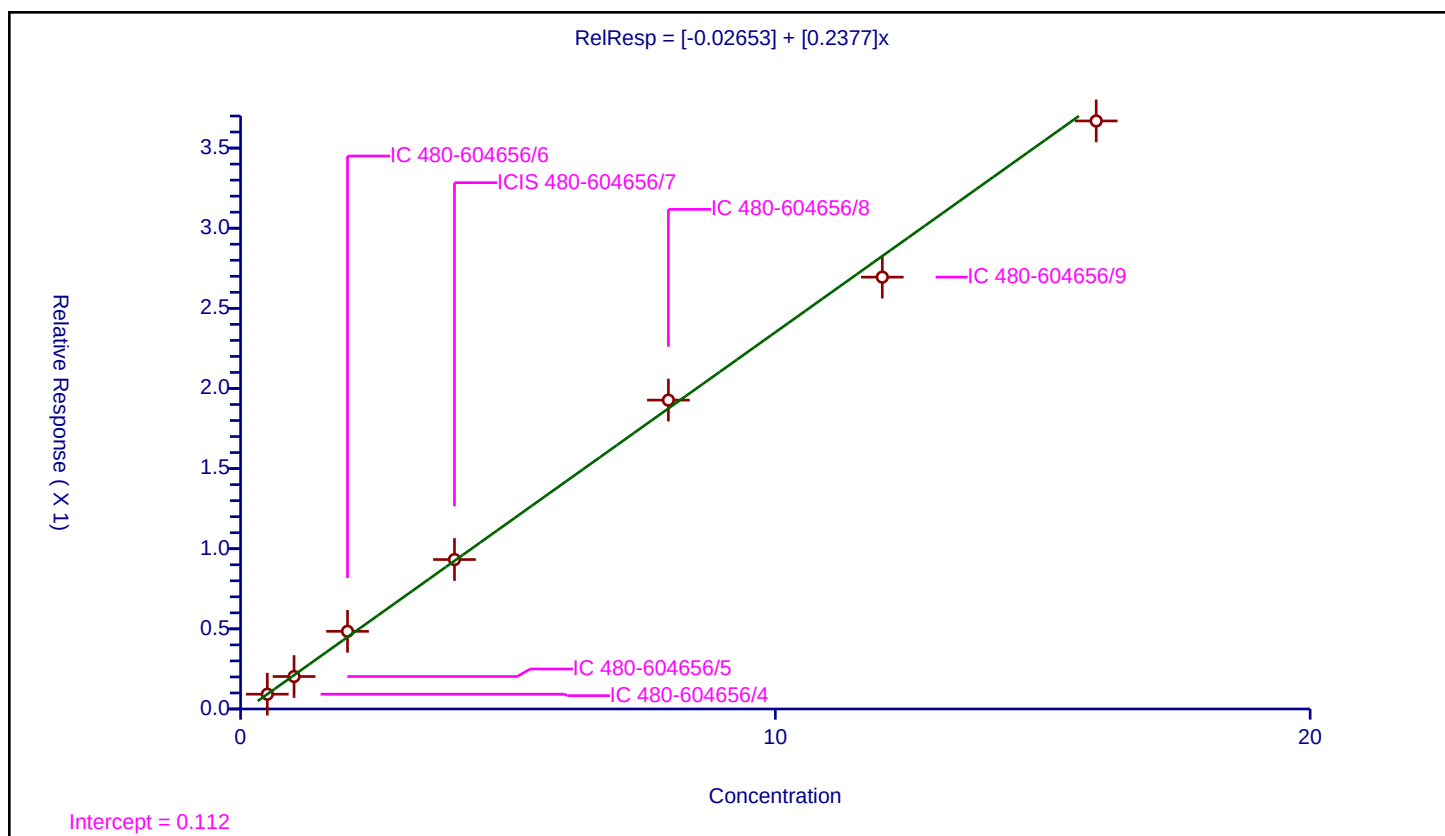
Curve Coefficients

Intercept: -0.02653
 Slope: 0.2377

Error Coefficients

Standard Error: 374000
 Relative Standard Error: 4.6
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.09224	4.0	650435.0	0.18448	Y
2	IC 480-604656/5	1.0	0.202591	4.0	631835.0	0.202591	Y
3	IC 480-604656/6	2.0	0.484578	4.0	663332.0	0.242289	Y
4	ICIS 480-604656/7	4.0	0.932499	4.0	657931.0	0.233125	Y
5	IC 480-604656/8	8.0	1.927389	4.0	687311.0	0.240924	Y
6	IC 480-604656/9	12.0	2.694614	4.0	669203.0	0.224551	Y
7	IC 480-604656/10	16.0	3.669162	4.0	651268.0	0.229323	Y



Calibration

/ Dimethyl phthalate

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

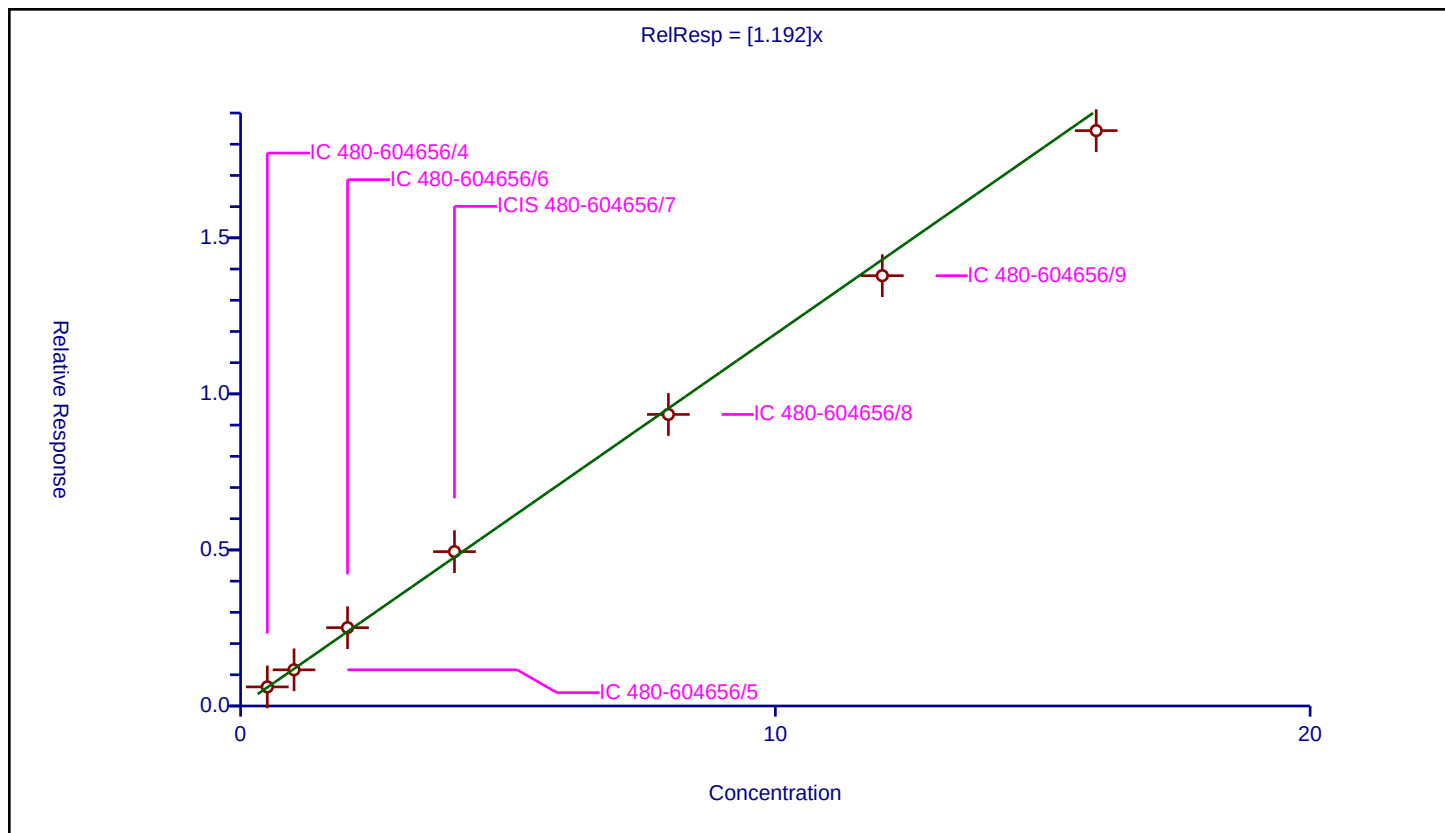
Curve Coefficients

Intercept: 0
 Slope: 1.192

Error Coefficients

Standard Error: 1720000
 Relative Standard Error: 3.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.611505	4.0	650435.0	1.223009	Y
2	IC 480-604656/5	1.0	1.159214	4.0	631835.0	1.159214	Y
3	IC 480-604656/6	2.0	2.509995	4.0	663332.0	1.254997	Y
4	ICIS 480-604656/7	4.0	4.946142	4.0	657931.0	1.236535	Y
5	IC 480-604656/8	8.0	9.342152	4.0	687311.0	1.167769	Y
6	IC 480-604656/9	12.0	13.788097	4.0	669203.0	1.149008	Y
7	IC 480-604656/10	16.0	18.436103	4.0	651268.0	1.152256	Y



Calibration

/ 1,3-Dinitrobenzene

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

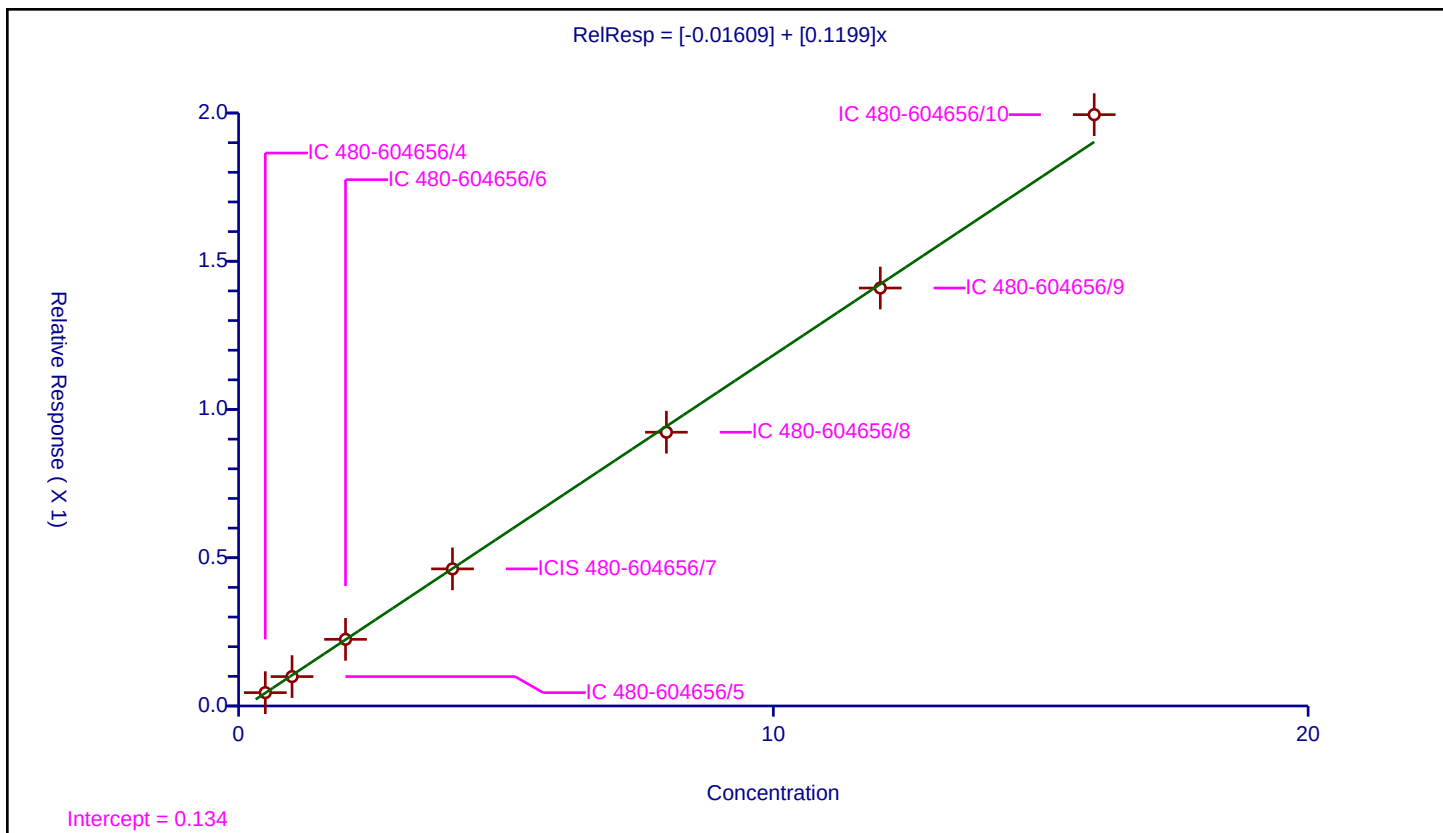
Curve Coefficients

Intercept: -0.01609
 Slope: 0.1199

Error Coefficients

Standard Error: 323000
 Relative Standard Error: 3.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.045002	4.0	1074791.0	0.090004	Y
2	IC 480-604656/5	1.0	0.099144	4.0	1082140.0	0.099144	Y
3	IC 480-604656/6	2.0	0.224823	4.0	1115812.0	0.112411	Y
4	ICIS 480-604656/7	4.0	0.462392	4.0	1090979.0	0.115598	Y
5	IC 480-604656/8	8.0	0.923401	4.0	1130841.0	0.115425	Y
6	IC 480-604656/9	12.0	1.409701	4.0	1114103.0	0.117475	Y
7	IC 480-604656/10	16.0	1.994548	4.0	1058020.0	0.124659	Y



Calibration

/ 2,6-Dinitrotoluene

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

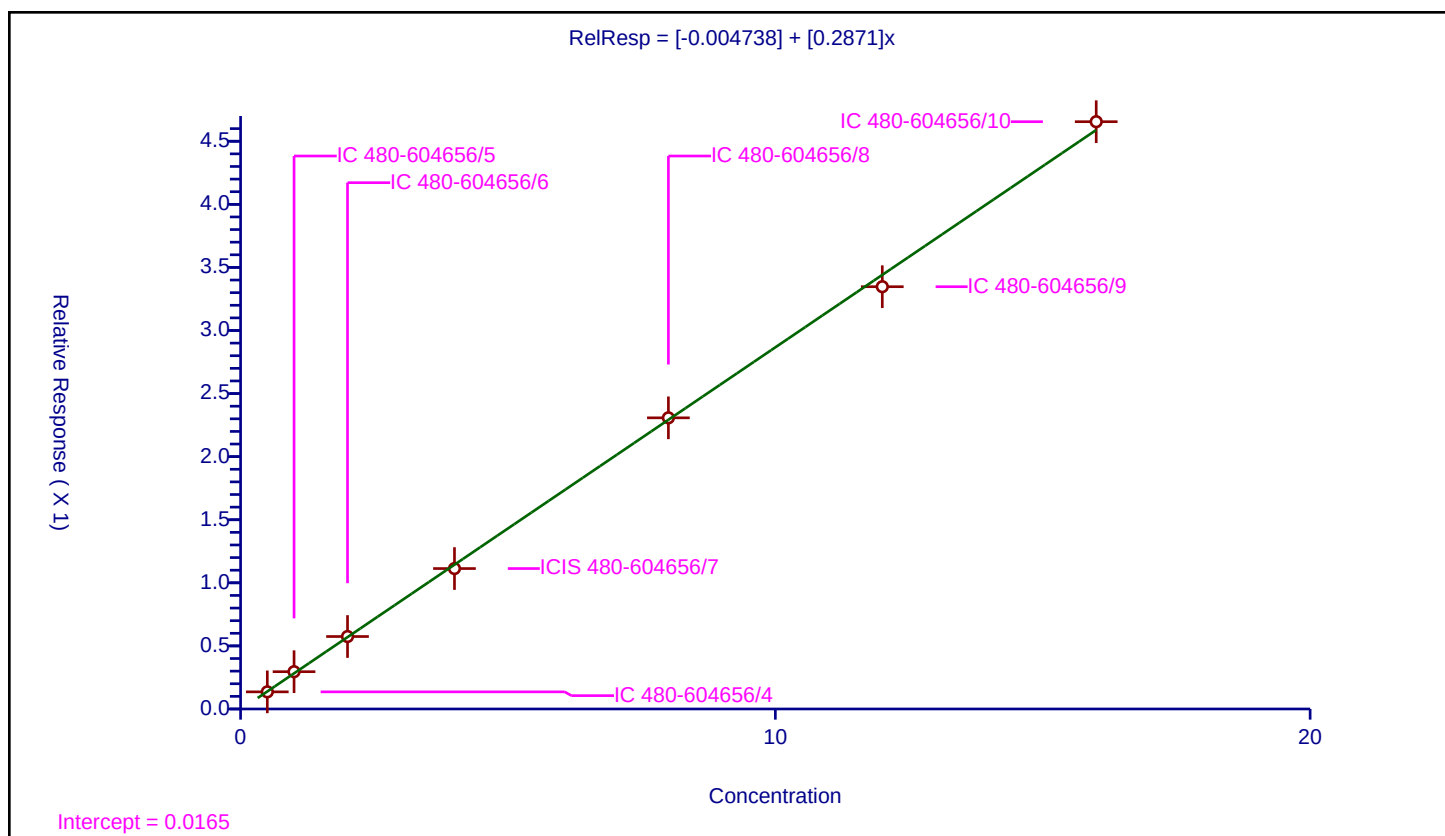
Curve Coefficients

Intercept: -0.004738
 Slope: 0.2871

Error Coefficients

Standard Error: 467000
 Relative Standard Error: 2.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.135749	4.0	650435.0	0.271498	Y
2	IC 480-604656/5	1.0	0.295546	4.0	631835.0	0.295546	Y
3	IC 480-604656/6	2.0	0.574313	4.0	663332.0	0.287156	Y
4	ICIS 480-604656/7	4.0	1.11312	4.0	657931.0	0.27828	Y
5	IC 480-604656/8	8.0	2.307695	4.0	687311.0	0.288462	Y
6	IC 480-604656/9	12.0	3.347128	4.0	669203.0	0.278927	Y
7	IC 480-604656/10	16.0	4.655018	4.0	651268.0	0.290939	Y



Calibration

/ Acenaphthylene

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

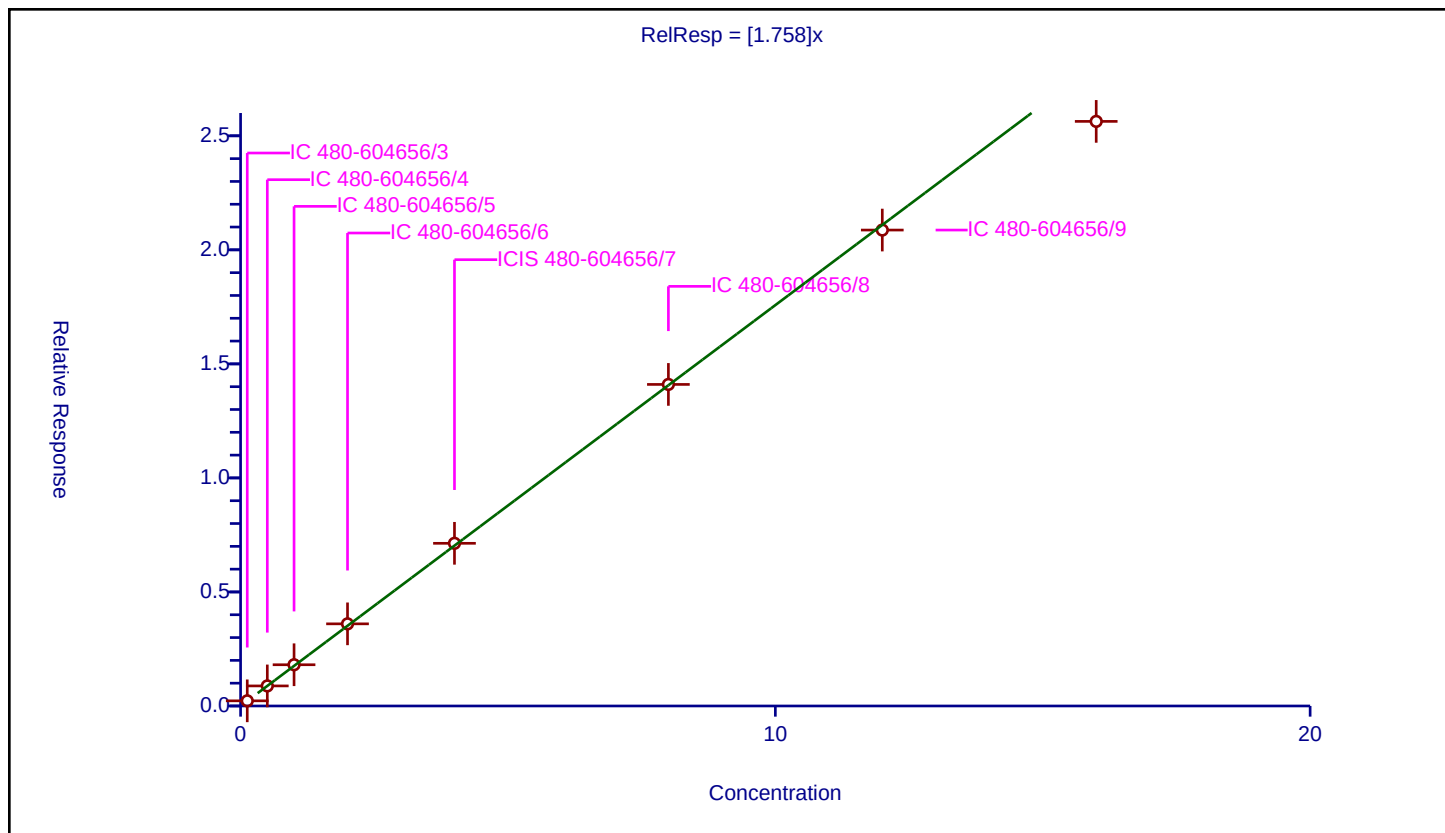
Curve Coefficients

Intercept: 0
 Slope: 1.758

Error Coefficients

Standard Error: 2310000
 Relative Standard Error: 3.8
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.22584	4.0	637904.0	1.806717	Y
2	IC 480-604656/4	0.5	0.879817	4.0	650435.0	1.759635	Y
3	IC 480-604656/5	1.0	1.808054	4.0	631835.0	1.808054	Y
4	IC 480-604656/6	2.0	3.601382	4.0	663332.0	1.800691	Y
5	ICIS 480-604656/7	4.0	7.133125	4.0	657931.0	1.783281	Y
6	IC 480-604656/8	8.0	14.098881	4.0	687311.0	1.76236	Y
7	IC 480-604656/9	12.0	20.867808	4.0	669203.0	1.738984	Y
8	IC 480-604656/10	16.0	25.63303	4.0	651268.0	1.602064	Y



Calibration

/ 3-Nitroaniline

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

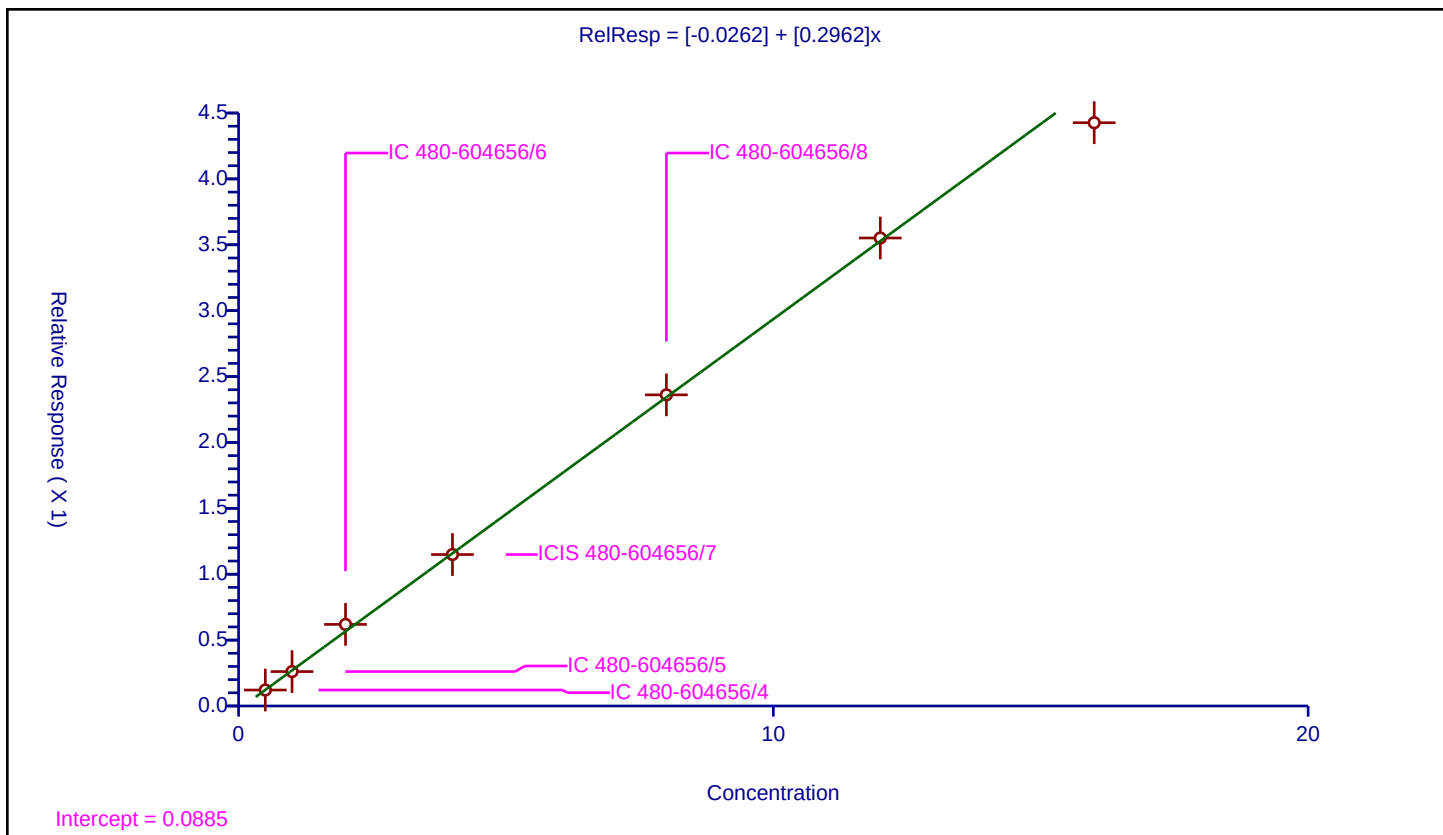
Curve Coefficients

Intercept: -0.0262
 Slope: 0.2962

Error Coefficients

Standard Error: 466000
 Relative Standard Error: 5.0
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.1211	4.0	650435.0	0.242201	Y
2	IC 480-604656/5	1.0	0.261239	4.0	631835.0	0.261239	Y
3	IC 480-604656/6	2.0	0.619141	4.0	663332.0	0.30957	Y
4	ICIS 480-604656/7	4.0	1.149397	4.0	657931.0	0.287349	Y
5	IC 480-604656/8	8.0	2.361115	4.0	687311.0	0.295139	Y
6	IC 480-604656/9	12.0	3.551419	4.0	669203.0	0.295952	Y
7	IC 480-604656/10	16.0	4.426387	4.0	651268.0	0.276649	Y



Calibration

/ 2,4-Dinitrophenol

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

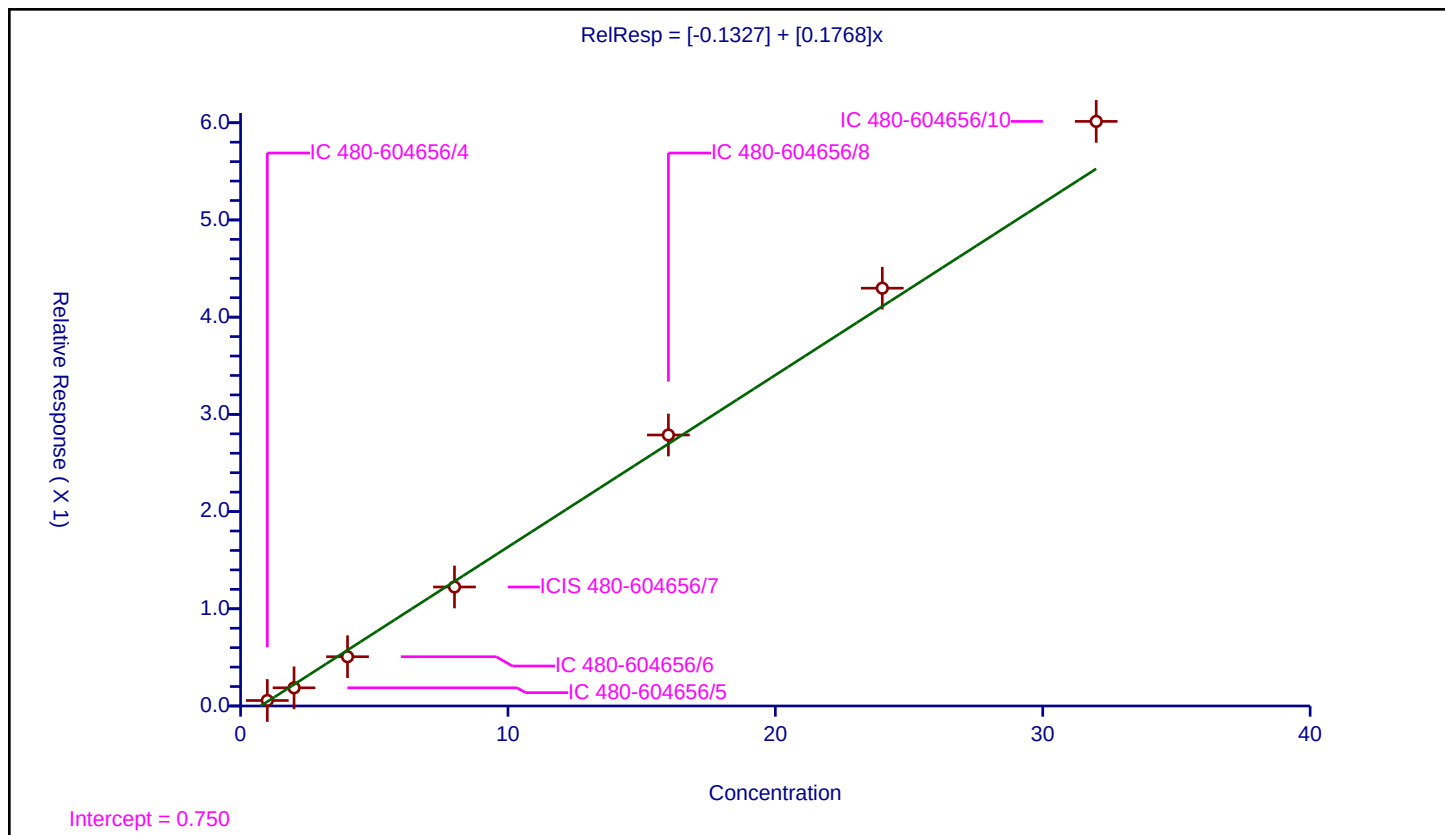
Curve Coefficients

Intercept: -0.1327
 Slope: 0.1768

Error Coefficients

Standard Error: 592000
 Relative Standard Error: 8.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.056608	4.0	650435.0	0.056608	Y
2	IC 480-604656/5	2.0	0.187011	4.0	631835.0	0.093505	Y
3	IC 480-604656/6	4.0	0.506793	4.0	663332.0	0.126698	Y
4	ICIS 480-604656/7	8.0	1.22428	4.0	657931.0	0.153035	Y
5	IC 480-604656/8	16.0	2.787745	4.0	687311.0	0.174234	Y
6	IC 480-604656/9	24.0	4.29805	4.0	669203.0	0.179085	Y
7	IC 480-604656/10	32.0	6.013887	4.0	651268.0	0.187934	Y



Calibration

/ Acenaphthene

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

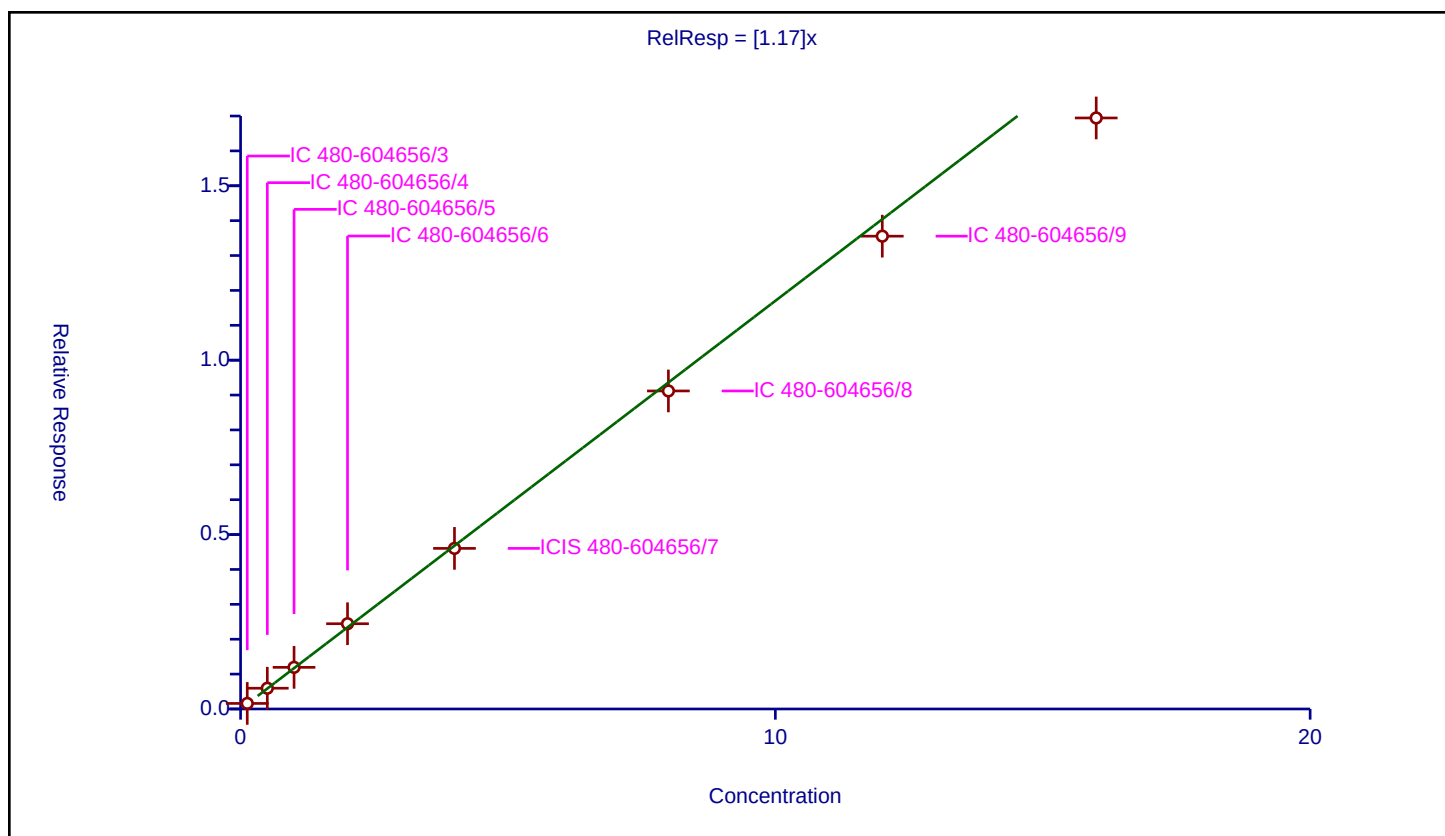
Curve Coefficients

Intercept: 0
Slope: 1.17

Error Coefficients

Standard Error: 1510000
Relative Standard Error: 5.6
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.159347	4.0	637904.0	1.274775	Y
2	IC 480-604656/4	0.5	0.595054	4.0	650435.0	1.190108	Y
3	IC 480-604656/5	1.0	1.193926	4.0	631835.0	1.193926	Y
4	IC 480-604656/6	2.0	2.444652	4.0	663332.0	1.222326	Y
5	ICIS 480-604656/7	4.0	4.604513	4.0	657931.0	1.151128	Y
6	IC 480-604656/8	8.0	9.117881	4.0	687311.0	1.139735	Y
7	IC 480-604656/9	12.0	13.555265	4.0	669203.0	1.129605	Y
8	IC 480-604656/10	16.0	16.944017	4.0	651268.0	1.059001	Y



Calibration

/ 4-Nitrophenol

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

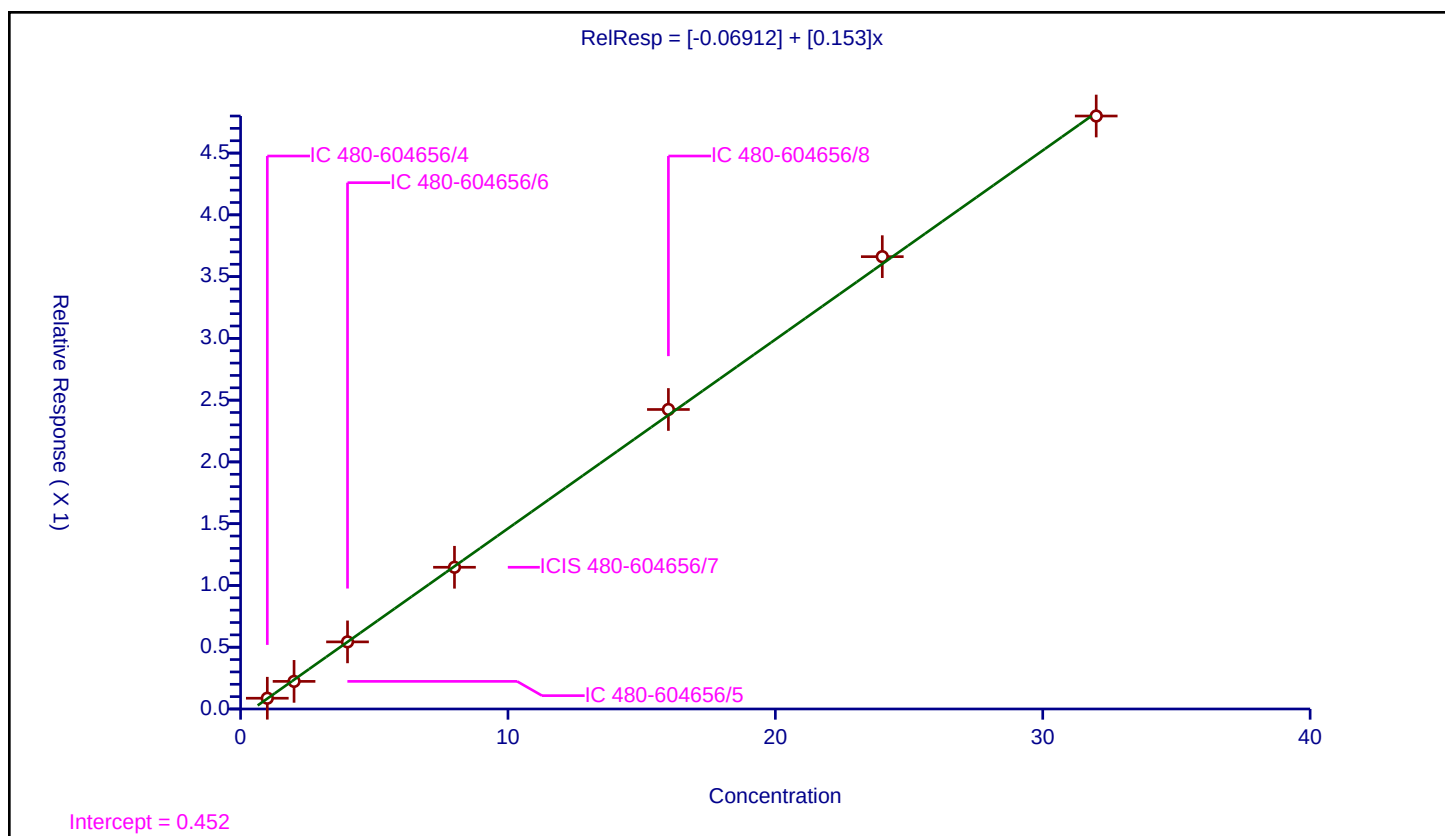
Curve Coefficients

Intercept: -0.06912
 Slope: 0.153

Error Coefficients

Standard Error: 491000
 Relative Standard Error: 2.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.087111	4.0	650435.0	0.087111	Y
2	IC 480-604656/5	2.0	0.223432	4.0	631835.0	0.111716	Y
3	IC 480-604656/6	4.0	0.543155	4.0	663332.0	0.135789	Y
4	ICIS 480-604656/7	8.0	1.147099	4.0	657931.0	0.143387	Y
5	IC 480-604656/8	16.0	2.42444	4.0	687311.0	0.151527	Y
6	IC 480-604656/9	24.0	3.66152	4.0	669203.0	0.152563	Y
7	IC 480-604656/10	32.0	4.799941	4.0	651268.0	0.149998	Y



Calibration

/ 2,4-Dinitrotoluene

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

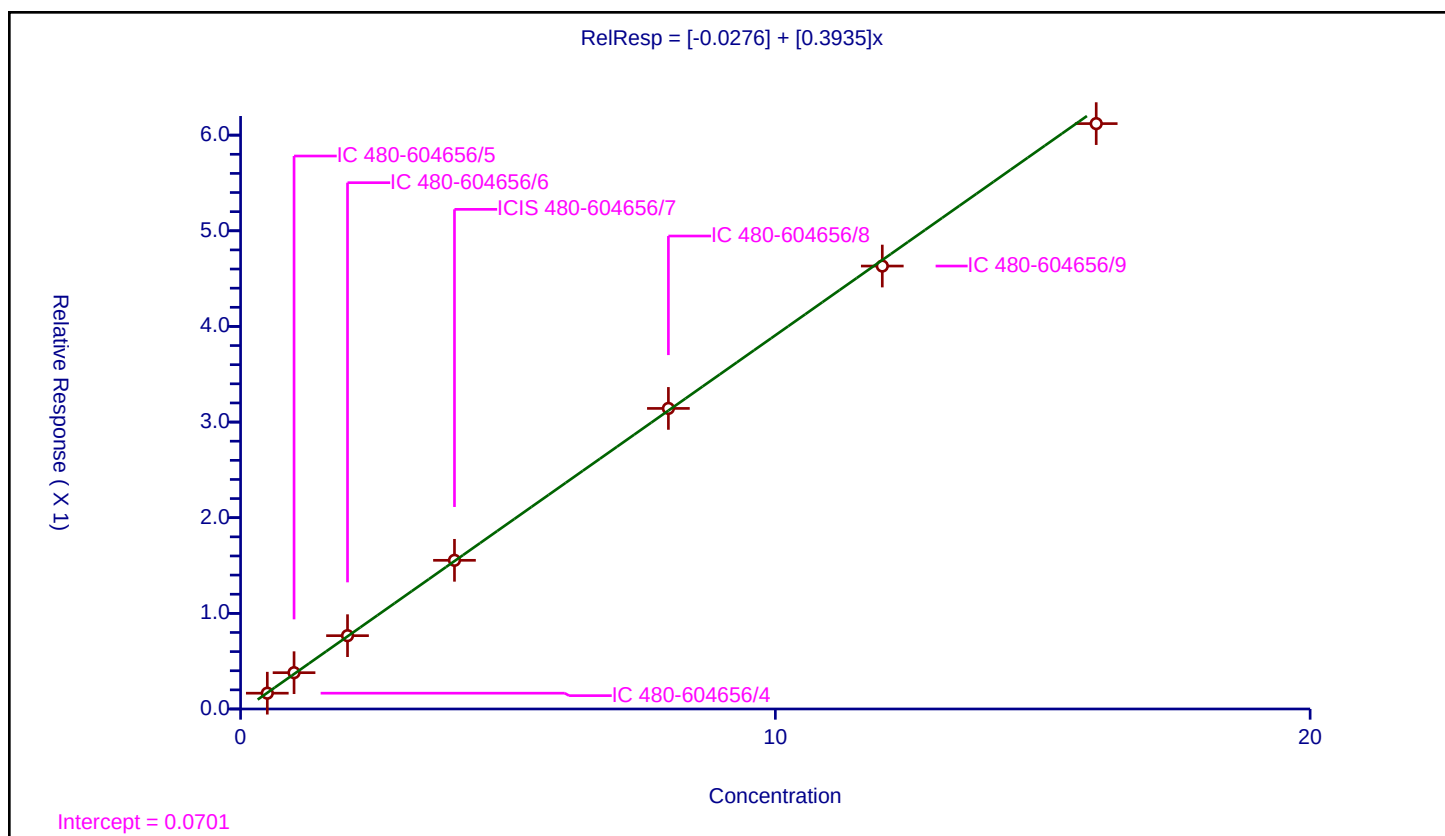
Curve Coefficients

Intercept: -0.0276
 Slope: 0.3935

Error Coefficients

Standard Error: 628000
 Relative Standard Error: 2.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.165305	4.0	650435.0	0.33061	Y
2	IC 480-604656/5	1.0	0.379605	4.0	631835.0	0.379605	Y
3	IC 480-604656/6	2.0	0.766554	4.0	663332.0	0.383277	Y
4	ICIS 480-604656/7	4.0	1.554491	4.0	657931.0	0.388623	Y
5	IC 480-604656/8	8.0	3.142816	4.0	687311.0	0.392852	Y
6	IC 480-604656/9	12.0	4.631336	4.0	669203.0	0.385945	Y
7	IC 480-604656/10	16.0	6.120405	4.0	651268.0	0.382525	Y



Calibration

/ Dibenzofuran

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

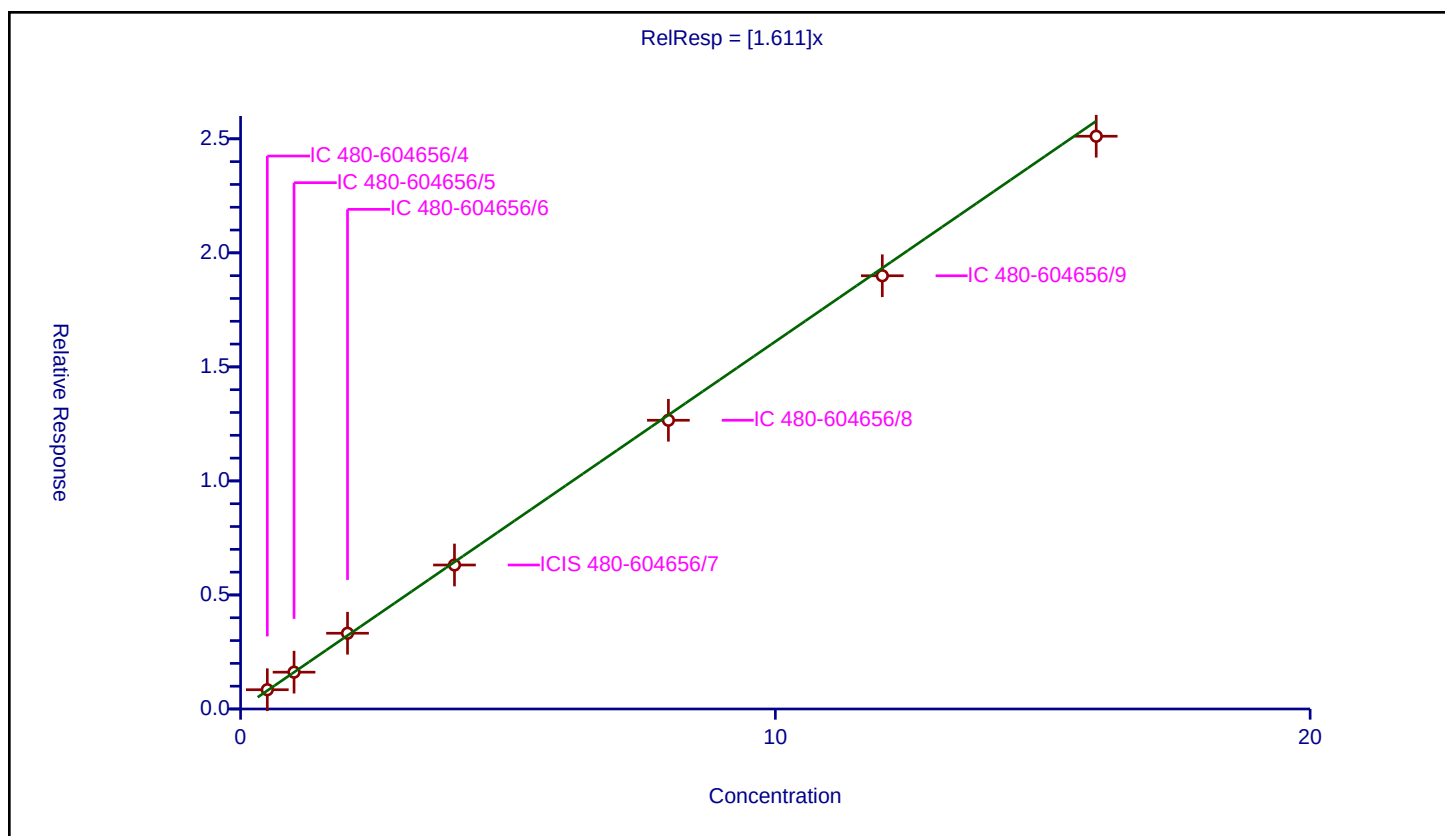
Curve Coefficients

Intercept: 0
 Slope: 1.611

Error Coefficients

Standard Error: 2350000
 Relative Standard Error: 2.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.844672	4.0	650435.0	1.689343	Y
2	IC 480-604656/5	1.0	1.614327	4.0	631835.0	1.614327	Y
3	IC 480-604656/6	2.0	3.32116	4.0	663332.0	1.66058	Y
4	ICIS 480-604656/7	4.0	6.313598	4.0	657931.0	1.5784	Y
5	IC 480-604656/8	8.0	12.659527	4.0	687311.0	1.582441	Y
6	IC 480-604656/9	12.0	18.995701	4.0	669203.0	1.582975	Y
7	IC 480-604656/10	16.0	25.114177	4.0	651268.0	1.569636	Y



Calibration

/ 2,3,4,6-Tetrachlorophenol

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

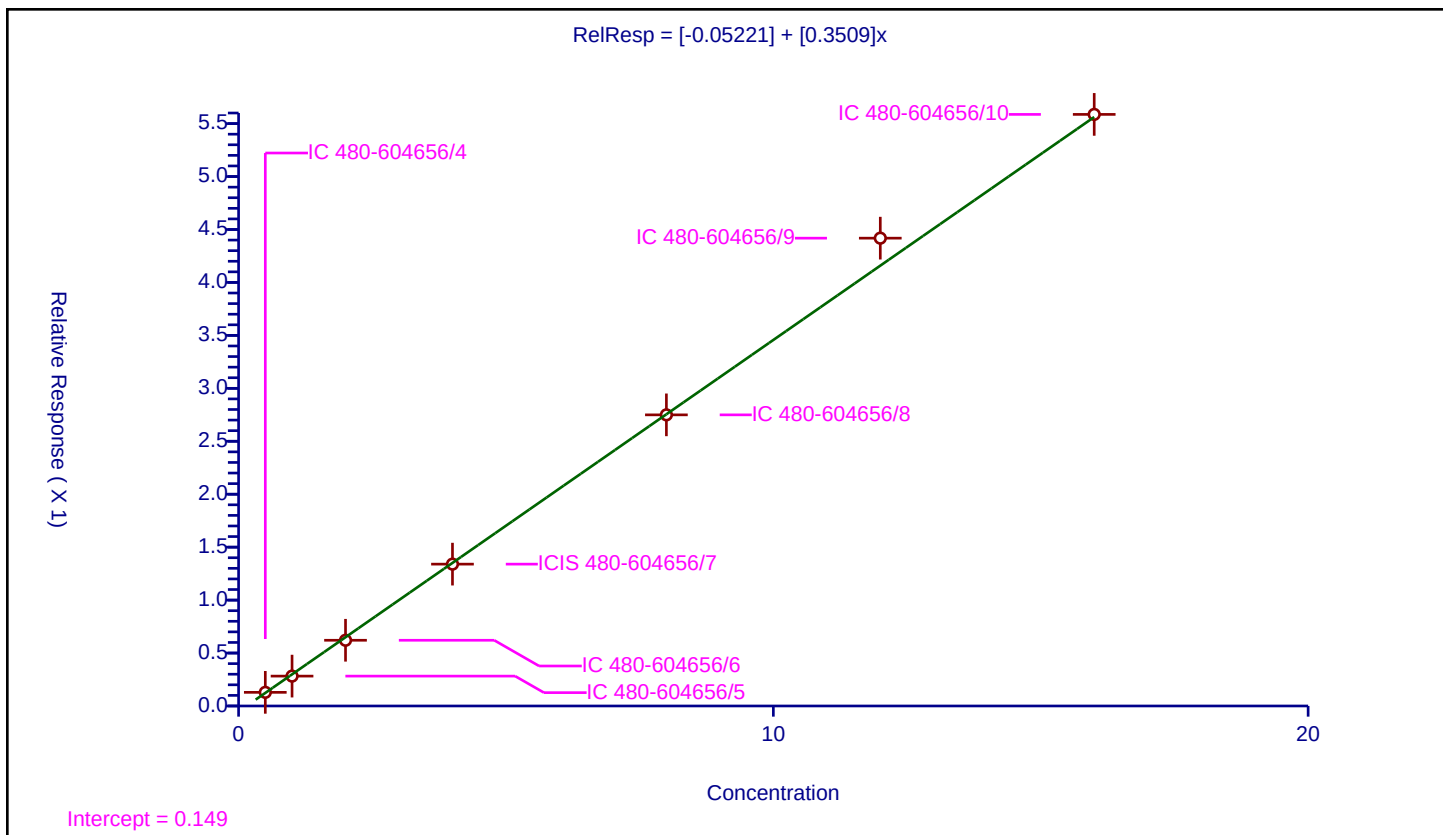
Curve Coefficients

Intercept: -0.05221
 Slope: 0.3509

Error Coefficients

Standard Error: 576000
 Relative Standard Error: 4.2
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.128898	4.0	650435.0	0.257797	Y
2	IC 480-604656/5	1.0	0.28215	4.0	631835.0	0.28215	Y
3	IC 480-604656/6	2.0	0.620739	4.0	663332.0	0.310369	Y
4	ICIS 480-604656/7	4.0	1.339672	4.0	657931.0	0.334918	Y
5	IC 480-604656/8	8.0	2.749533	4.0	687311.0	0.343692	Y
6	IC 480-604656/9	12.0	4.418235	4.0	669203.0	0.368186	Y
7	IC 480-604656/10	16.0	5.586953	4.0	651268.0	0.349185	Y



Calibration

/ Hexadecane

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

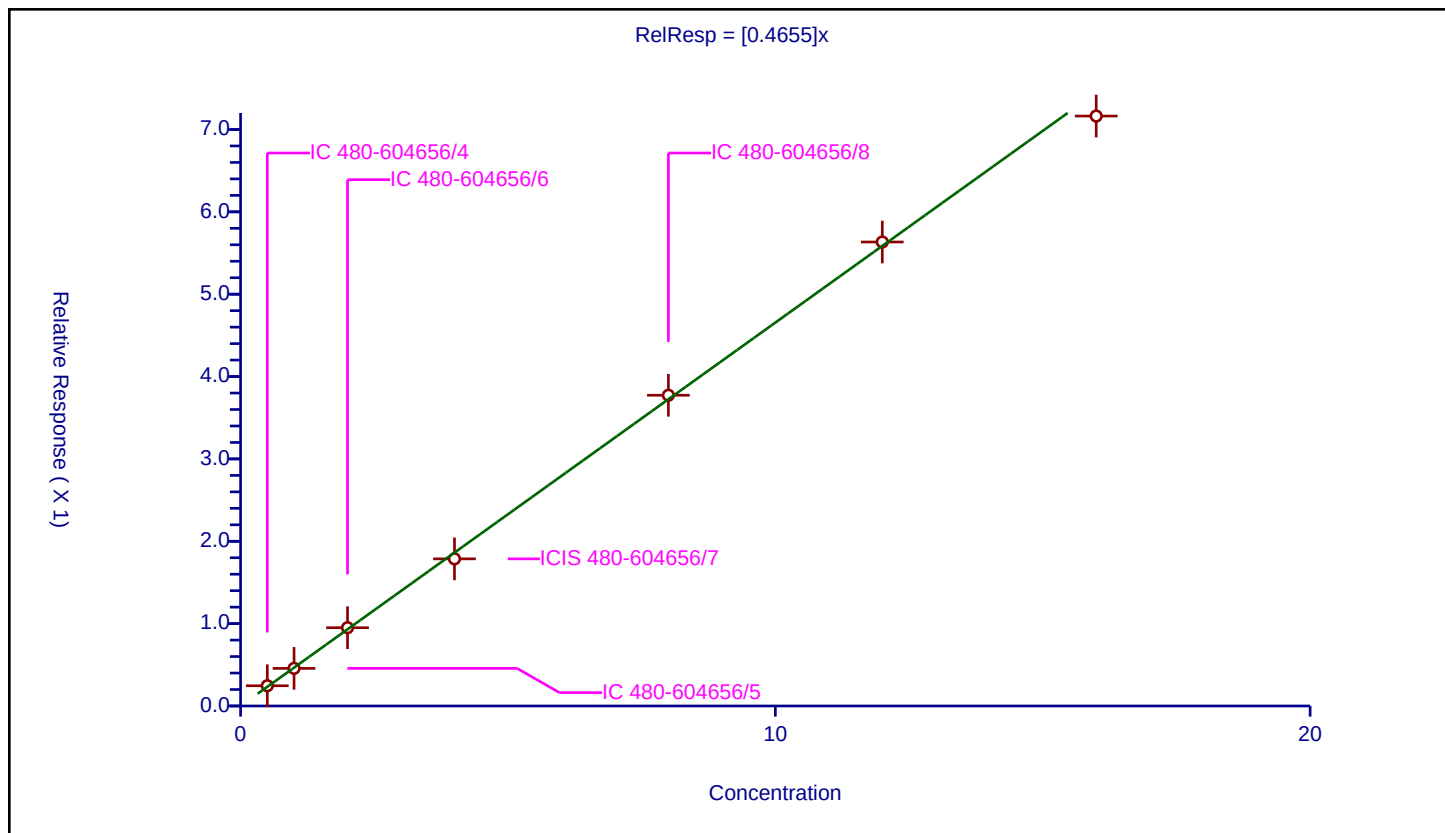
Curve Coefficients

Intercept: 0
 Slope: 0.4655

Error Coefficients

Standard Error: 682000
 Relative Standard Error: 3.5
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.245608	4.0	650435.0	0.491216	Y
2	IC 480-604656/5	1.0	0.456847	4.0	631835.0	0.456847	Y
3	IC 480-604656/6	2.0	0.950354	4.0	663332.0	0.475177	Y
4	ICIS 480-604656/7	4.0	1.786649	4.0	657931.0	0.446662	Y
5	IC 480-604656/8	8.0	3.772959	4.0	687311.0	0.47162	Y
6	IC 480-604656/9	12.0	5.633908	4.0	669203.0	0.469492	Y
7	IC 480-604656/10	16.0	7.16295	4.0	651268.0	0.447684	Y



Calibration

/ Diethyl phthalate

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

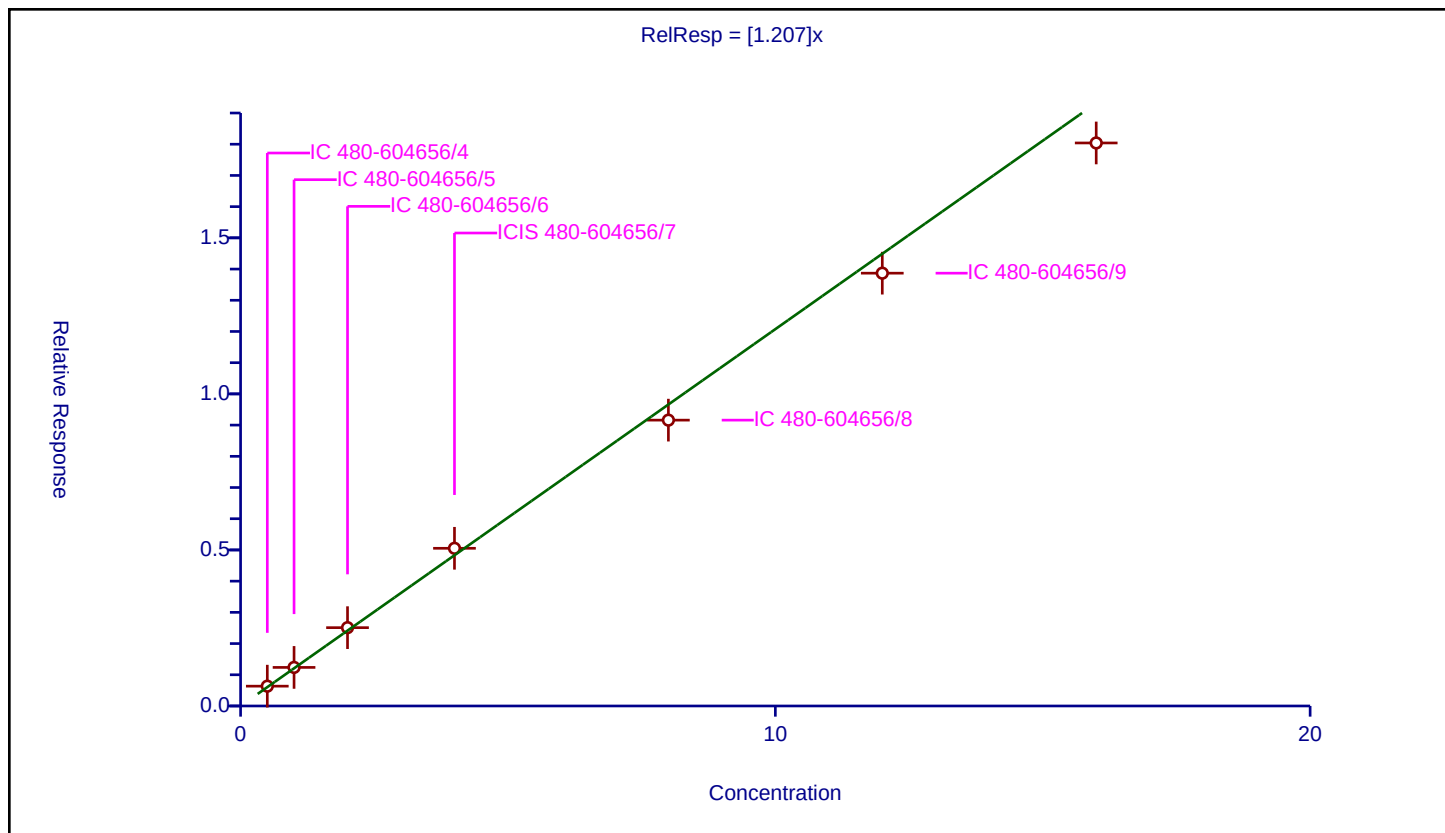
Curve Coefficients

Intercept: 0
 Slope: 1.207

Error Coefficients

Standard Error: 1700000
 Relative Standard Error: 5.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.634867	4.0	650435.0	1.269735	Y
2	IC 480-604656/5	1.0	1.236158	4.0	631835.0	1.236158	Y
3	IC 480-604656/6	2.0	2.509929	4.0	663332.0	1.254964	Y
4	ICIS 480-604656/7	4.0	5.053095	4.0	657931.0	1.263274	Y
5	IC 480-604656/8	8.0	9.159417	4.0	687311.0	1.144927	Y
6	IC 480-604656/9	12.0	13.868186	4.0	669203.0	1.155682	Y
7	IC 480-604656/10	16.0	18.040094	4.0	651268.0	1.127506	Y



Calibration

/ 4-Chlorophenyl phenyl ether

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

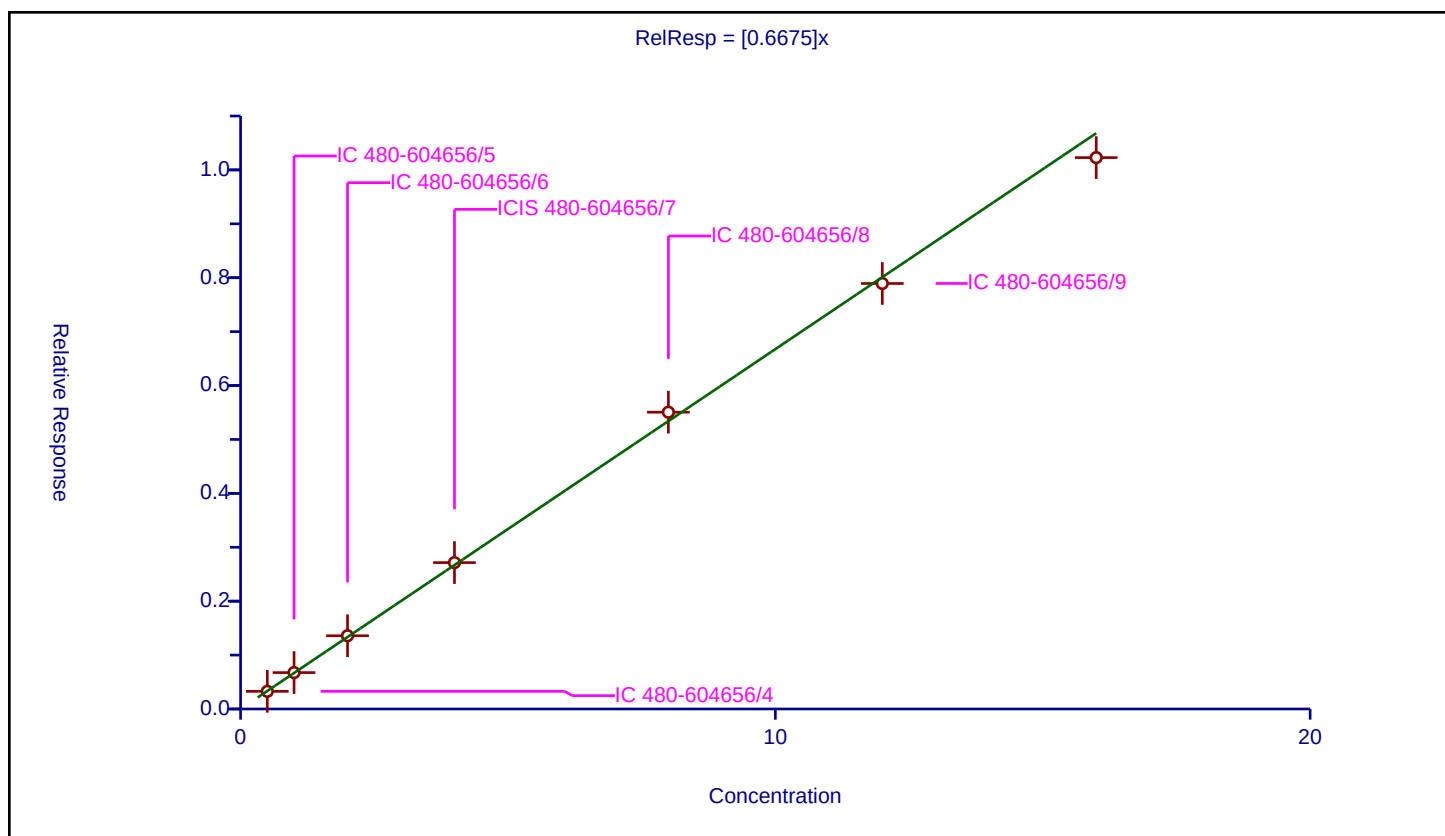
Curve Coefficients

Intercept: 0
 Slope: 0.6675

Error Coefficients

Standard Error: 973000
 Relative Standard Error: 2.6
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.327252	4.0	650435.0	0.654504	Y
2	IC 480-604656/5	1.0	0.674758	4.0	631835.0	0.674758	Y
3	IC 480-604656/6	2.0	1.358807	4.0	663332.0	0.679403	Y
4	ICIS 480-604656/7	4.0	2.715574	4.0	657931.0	0.678893	Y
5	IC 480-604656/8	8.0	5.505327	4.0	687311.0	0.688166	Y
6	IC 480-604656/9	12.0	7.893605	4.0	669203.0	0.6578	Y
7	IC 480-604656/10	16.0	10.228312	4.0	651268.0	0.639269	Y



Calibration

/ 4-Nitroaniline

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

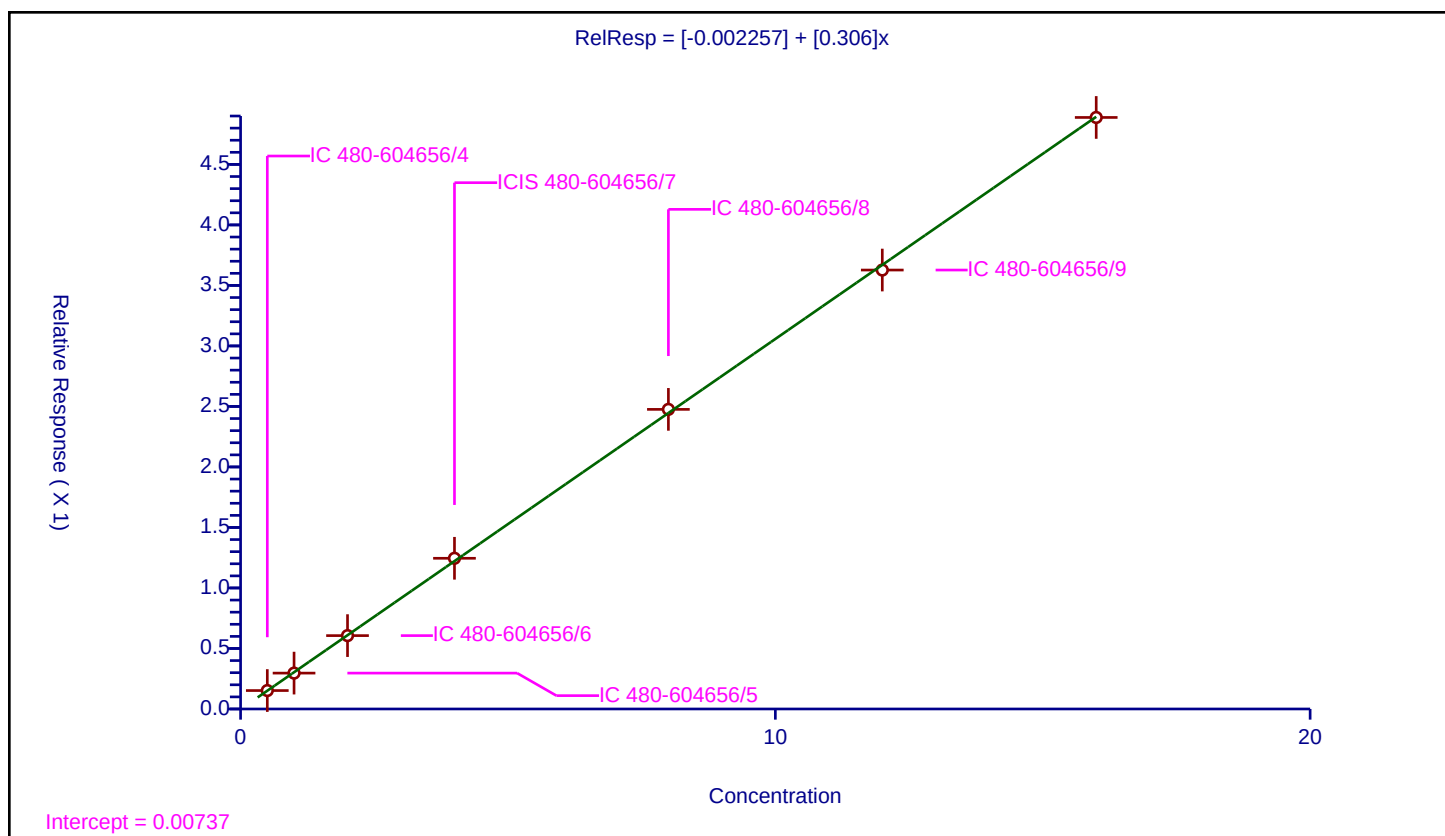
Curve Coefficients

Intercept: -0.002257
 Slope: 0.306

Error Coefficients

Standard Error: 497000
 Relative Standard Error: 1.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.152378	4.0	650435.0	0.304756	Y
2	IC 480-604656/5	1.0	0.296432	4.0	631835.0	0.296432	Y
3	IC 480-604656/6	2.0	0.606273	4.0	663332.0	0.303136	Y
4	ICIS 480-604656/7	4.0	1.245371	4.0	657931.0	0.311343	Y
5	IC 480-604656/8	8.0	2.475729	4.0	687311.0	0.309466	Y
6	IC 480-604656/9	12.0	3.62718	4.0	669203.0	0.302265	Y
7	IC 480-604656/10	16.0	4.888095	4.0	651268.0	0.305506	Y



Calibration

/ Fluorene

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

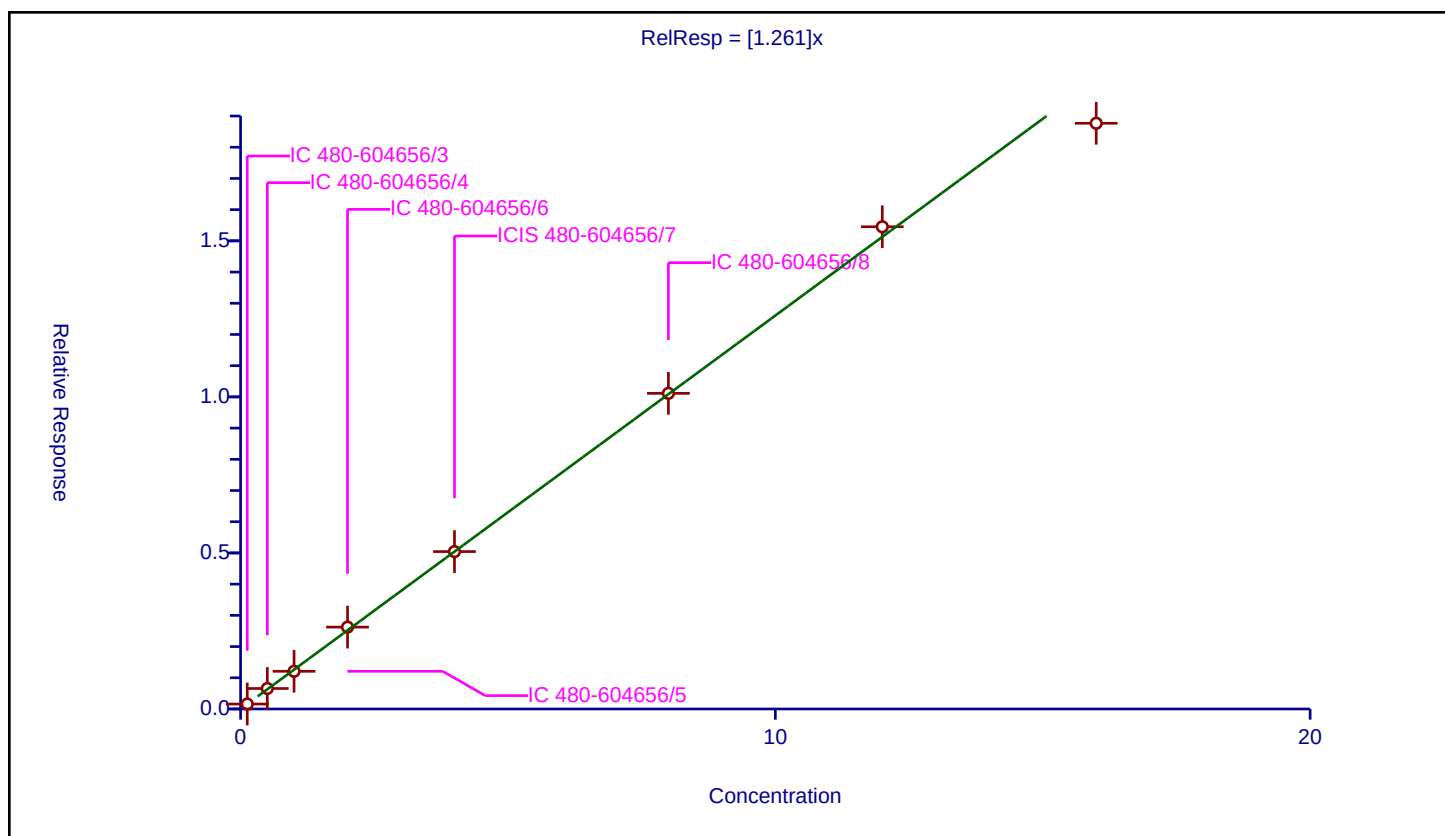
Curve Coefficients

Intercept: 0
Slope: 1.261

Error Coefficients

Standard Error: 1690000
Relative Standard Error: 3.9
Correlation Coefficient: 0.993
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.158206	4.0	637904.0	1.265645	Y
2	IC 480-604656/4	0.5	0.65705	4.0	650435.0	1.314099	Y
3	IC 480-604656/5	1.0	1.208138	4.0	631835.0	1.208138	Y
4	IC 480-604656/6	2.0	2.623615	4.0	663332.0	1.311808	Y
5	ICIS 480-604656/7	4.0	5.04321	4.0	657931.0	1.260802	Y
6	IC 480-604656/8	8.0	10.113297	4.0	687311.0	1.264162	Y
7	IC 480-604656/9	12.0	15.451509	4.0	669203.0	1.287626	Y
8	IC 480-604656/10	16.0	18.767745	4.0	651268.0	1.172984	Y



Calibration

/ 4,6-Dinitro-2-methylphenol

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

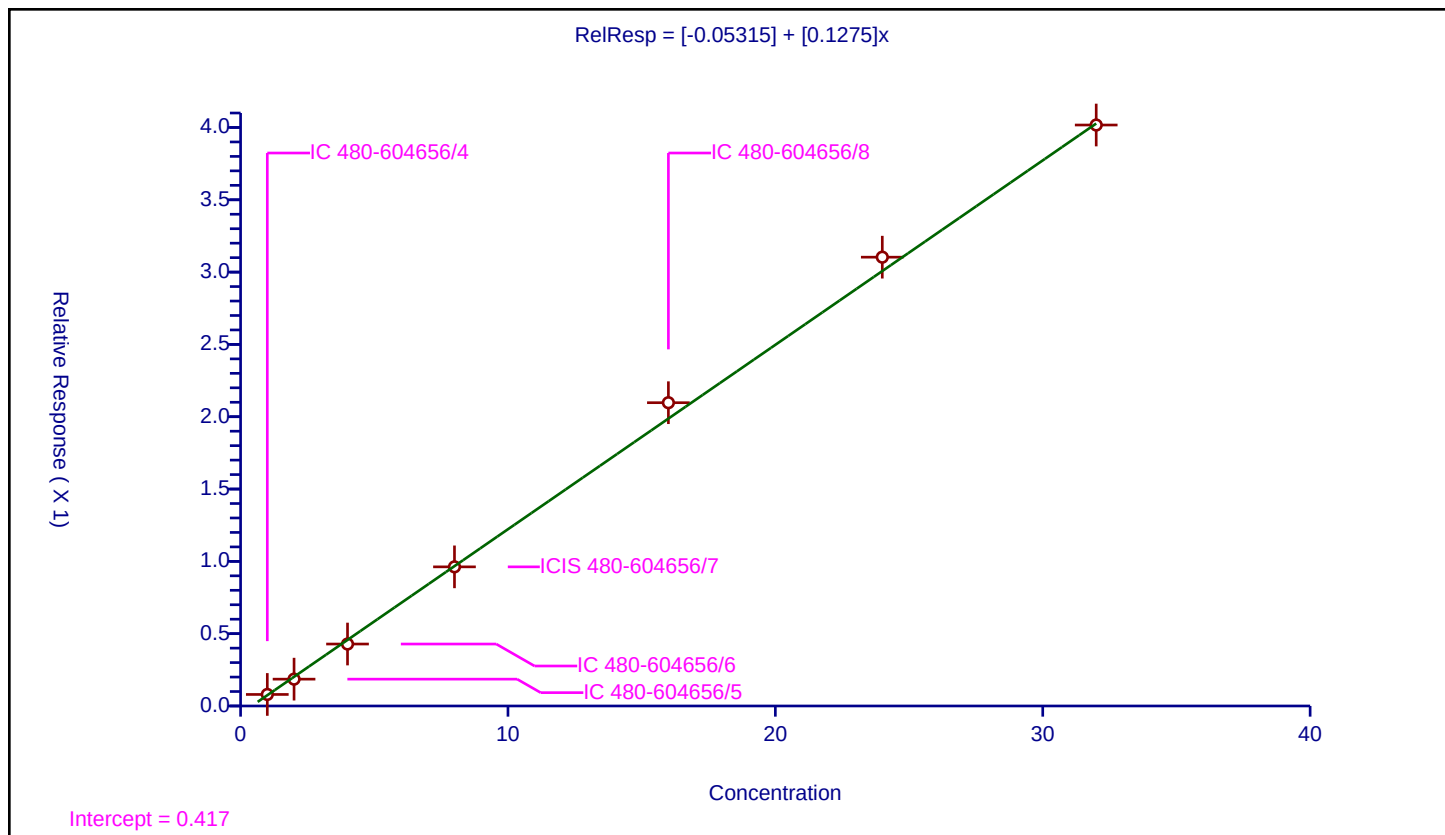
Curve Coefficients

Intercept: -0.05315
 Slope: 0.1275

Error Coefficients

Standard Error: 760000
 Relative Standard Error: 5.1
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.079708	4.0	1168112.0	0.079708	Y
2	IC 480-604656/5	2.0	0.185587	4.0	1144410.0	0.092794	Y
3	IC 480-604656/6	4.0	0.428446	4.0	1220551.0	0.107111	Y
4	ICIS 480-604656/7	8.0	0.961984	4.0	1195275.0	0.120248	Y
5	IC 480-604656/8	16.0	2.097043	4.0	1235105.0	0.131065	Y
6	IC 480-604656/9	24.0	3.103303	4.0	1232229.0	0.129304	Y
7	IC 480-604656/10	32.0	4.016959	4.0	1200519.0	0.12553	Y



Calibration

/ Diphenylamine

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

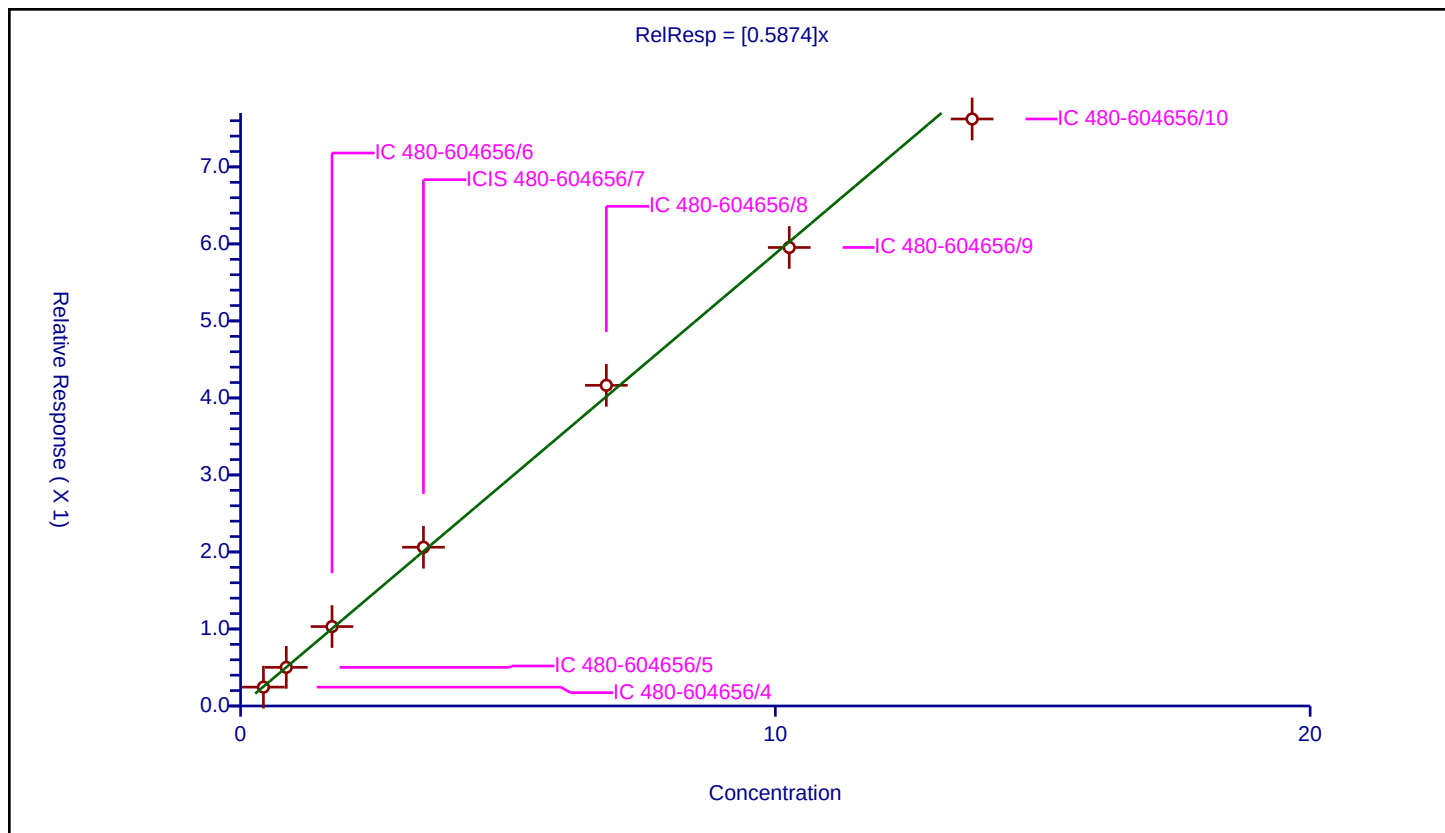
Curve Coefficients

Intercept: 0
 Slope: 0.5874

Error Coefficients

Standard Error: 1340000
 Relative Standard Error: 3.2
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.4275	0.245	4.0	1168112.0	0.573101	Y
2	IC 480-604656/5	0.855	0.501548	4.0	1144410.0	0.586605	Y
3	IC 480-604656/6	1.71	1.031249	4.0	1220551.0	0.60307	Y
4	ICIS 480-604656/7	3.42	2.061695	4.0	1195275.0	0.602835	Y
5	IC 480-604656/8	6.84	4.164177	4.0	1235105.0	0.608798	Y
6	IC 480-604656/9	10.26	5.954098	4.0	1232229.0	0.580321	Y
7	IC 480-604656/10	13.68	7.622347	4.0	1200519.0	0.557189	Y



Calibration

/ N-Nitrosodiphenylamine

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

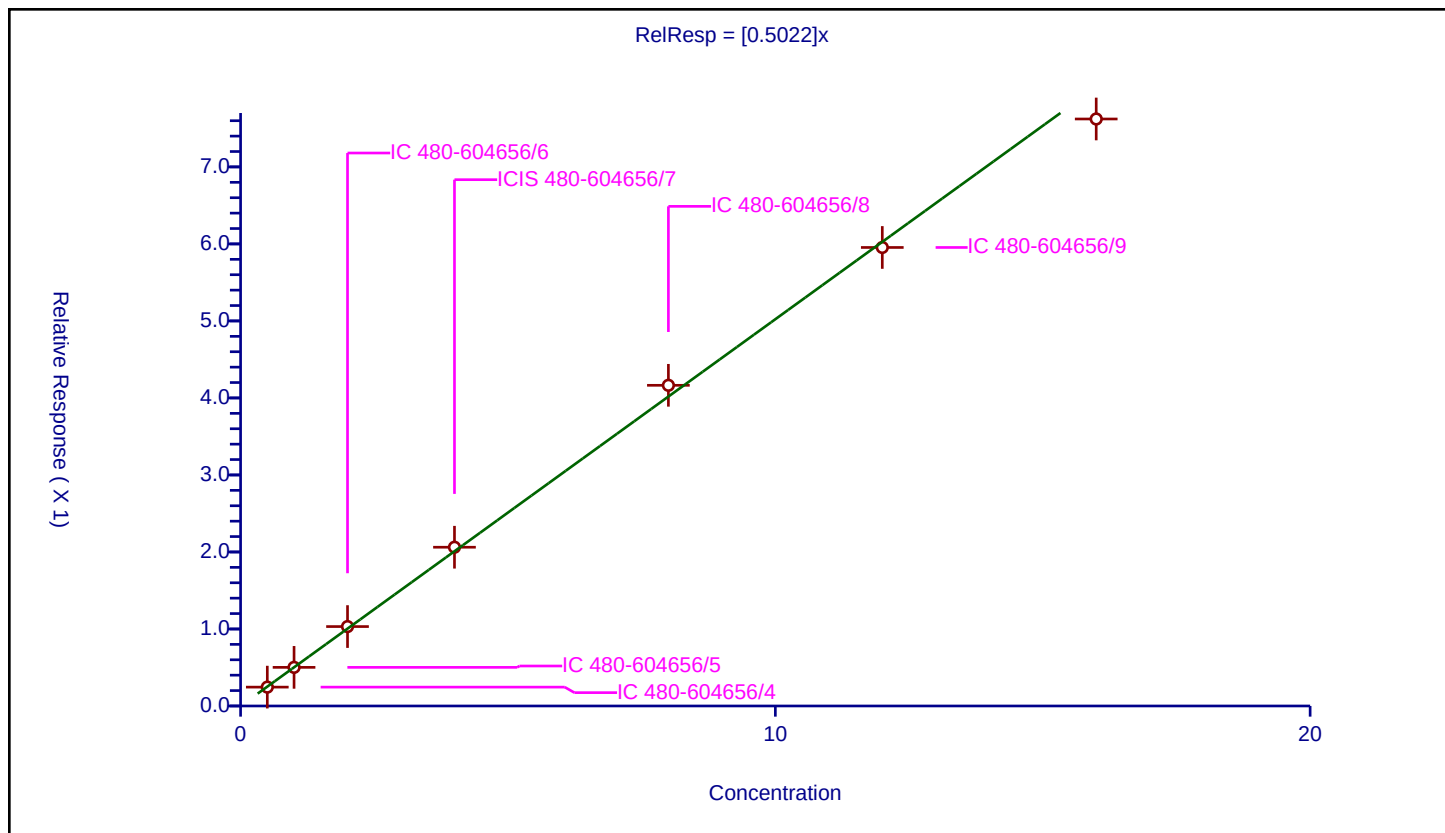
Curve Coefficients

Intercept: 0
 Slope: 0.5022

Error Coefficients

Standard Error: 1340000
 Relative Standard Error: 3.2
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.245	4.0	1168112.0	0.490001	Y
2	IC 480-604656/5	1.0	0.501548	4.0	1144410.0	0.501548	Y
3	IC 480-604656/6	2.0	1.031249	4.0	1220551.0	0.515625	Y
4	ICIS 480-604656/7	4.0	2.061695	4.0	1195275.0	0.515424	Y
5	IC 480-604656/8	8.0	4.164177	4.0	1235105.0	0.520522	Y
6	IC 480-604656/9	12.0	5.954098	4.0	1232229.0	0.496175	Y
7	IC 480-604656/10	16.0	7.622347	4.0	1200519.0	0.476397	Y



Calibration

/ 1,2-Diphenylhydrazine

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

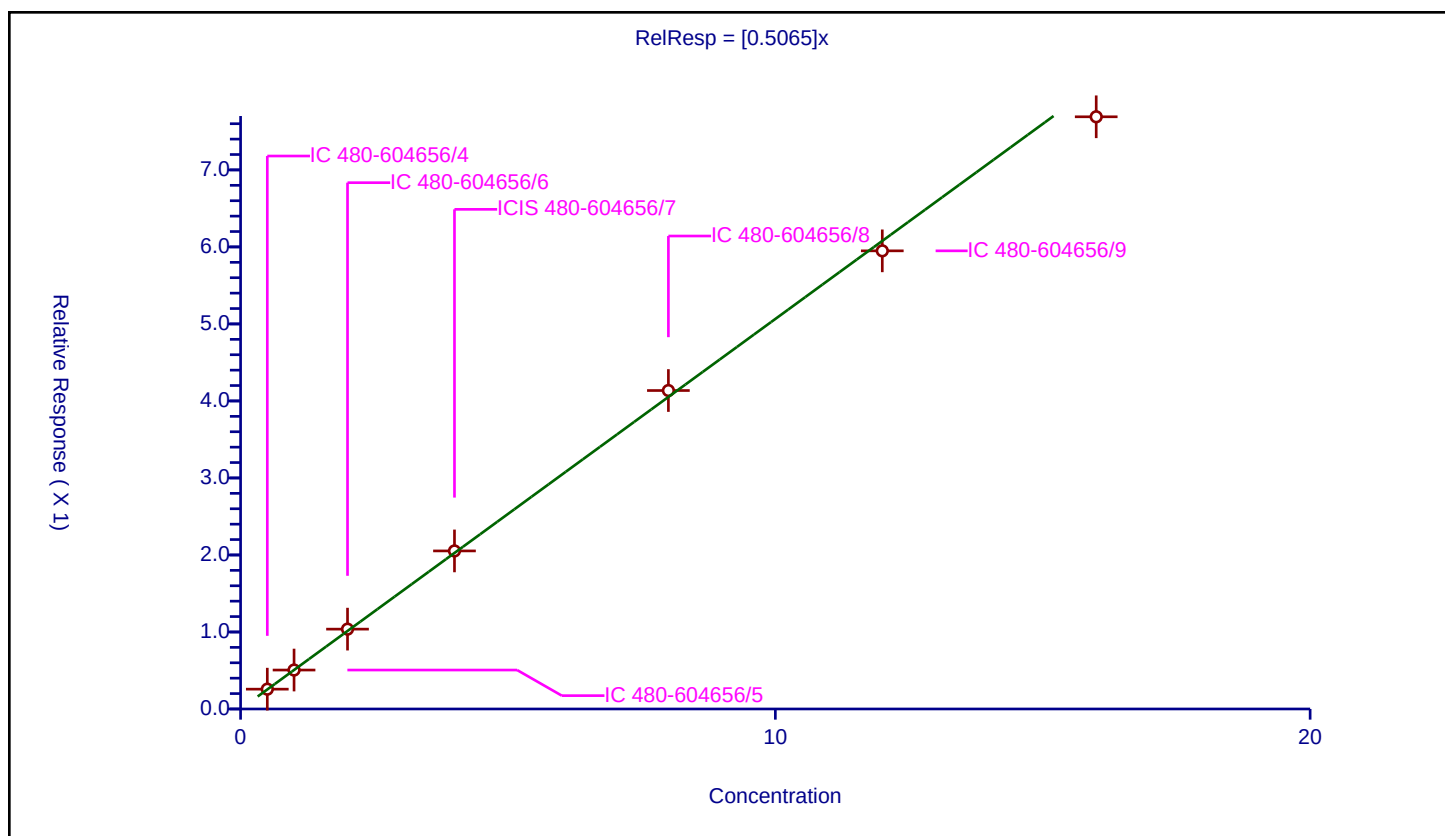
Curve Coefficients

Intercept: 0
Slope: 0.5065

Error Coefficients

Standard Error: 1340000
Relative Standard Error: 2.7
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.257349	4.0	1168112.0	0.514697	Y
2	IC 480-604656/5	1.0	0.505871	4.0	1144410.0	0.505871	Y
3	IC 480-604656/6	2.0	1.037033	4.0	1220551.0	0.518517	Y
4	ICIS 480-604656/7	4.0	2.052401	4.0	1195275.0	0.5131	Y
5	IC 480-604656/8	8.0	4.13535	4.0	1235105.0	0.516919	Y
6	IC 480-604656/9	12.0	5.949115	4.0	1232229.0	0.49576	Y
7	IC 480-604656/10	16.0	7.689804	4.0	1200519.0	0.480613	Y



Calibration

/ Azobenzene

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

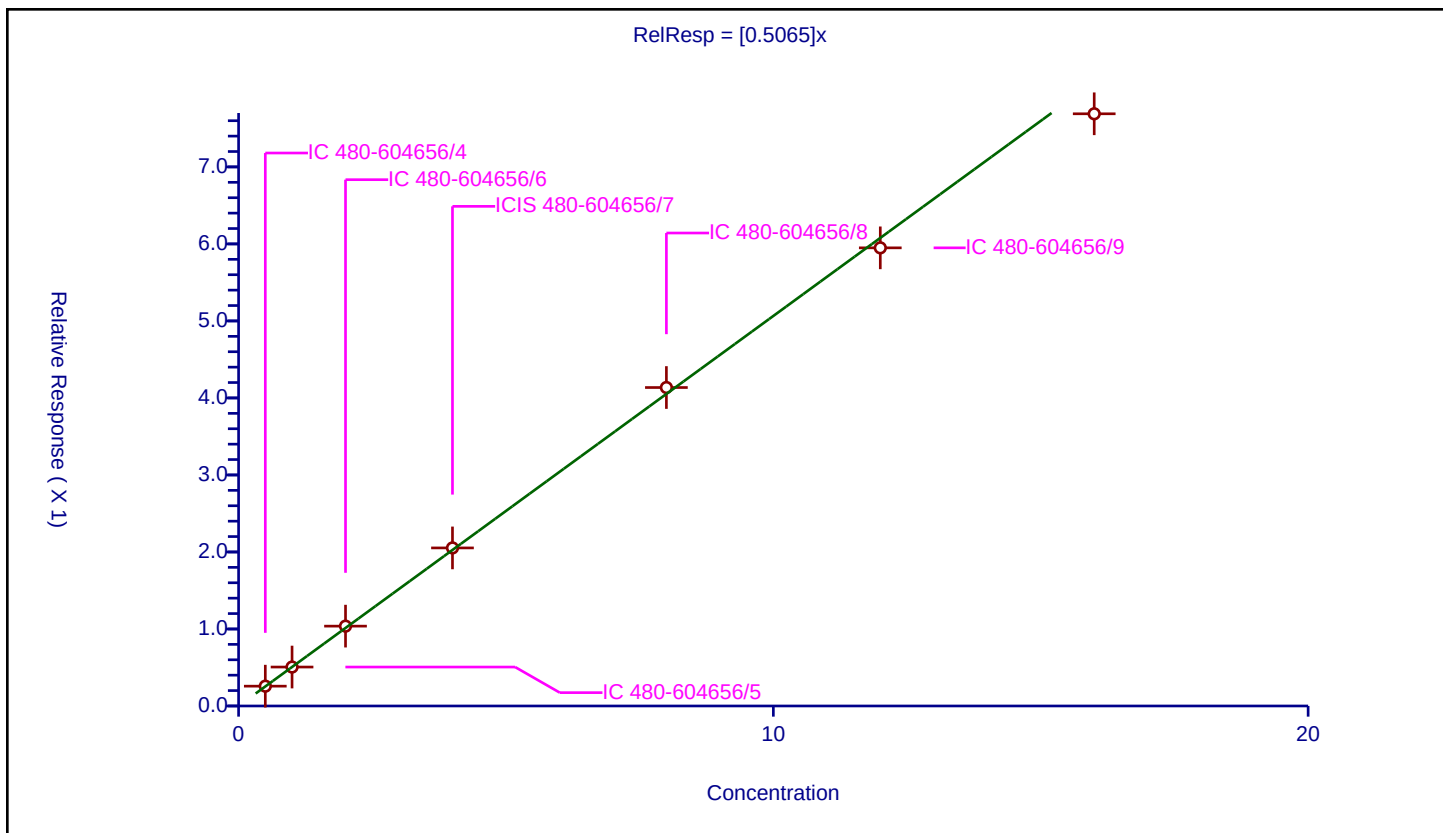
Curve Coefficients

Intercept: 0
 Slope: 0.5065

Error Coefficients

Standard Error: 1340000
 Relative Standard Error: 2.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.257349	4.0	1168112.0	0.514697	Y
2	IC 480-604656/5	1.0	0.505871	4.0	1144410.0	0.505871	Y
3	IC 480-604656/6	2.0	1.037033	4.0	1220551.0	0.518517	Y
4	ICIS 480-604656/7	4.0	2.052401	4.0	1195275.0	0.5131	Y
5	IC 480-604656/8	8.0	4.13535	4.0	1235105.0	0.516919	Y
6	IC 480-604656/9	12.0	5.949115	4.0	1232229.0	0.49576	Y
7	IC 480-604656/10	16.0	7.689804	4.0	1200519.0	0.480613	Y



Calibration

/ 2,4,6-Tribromophenol

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

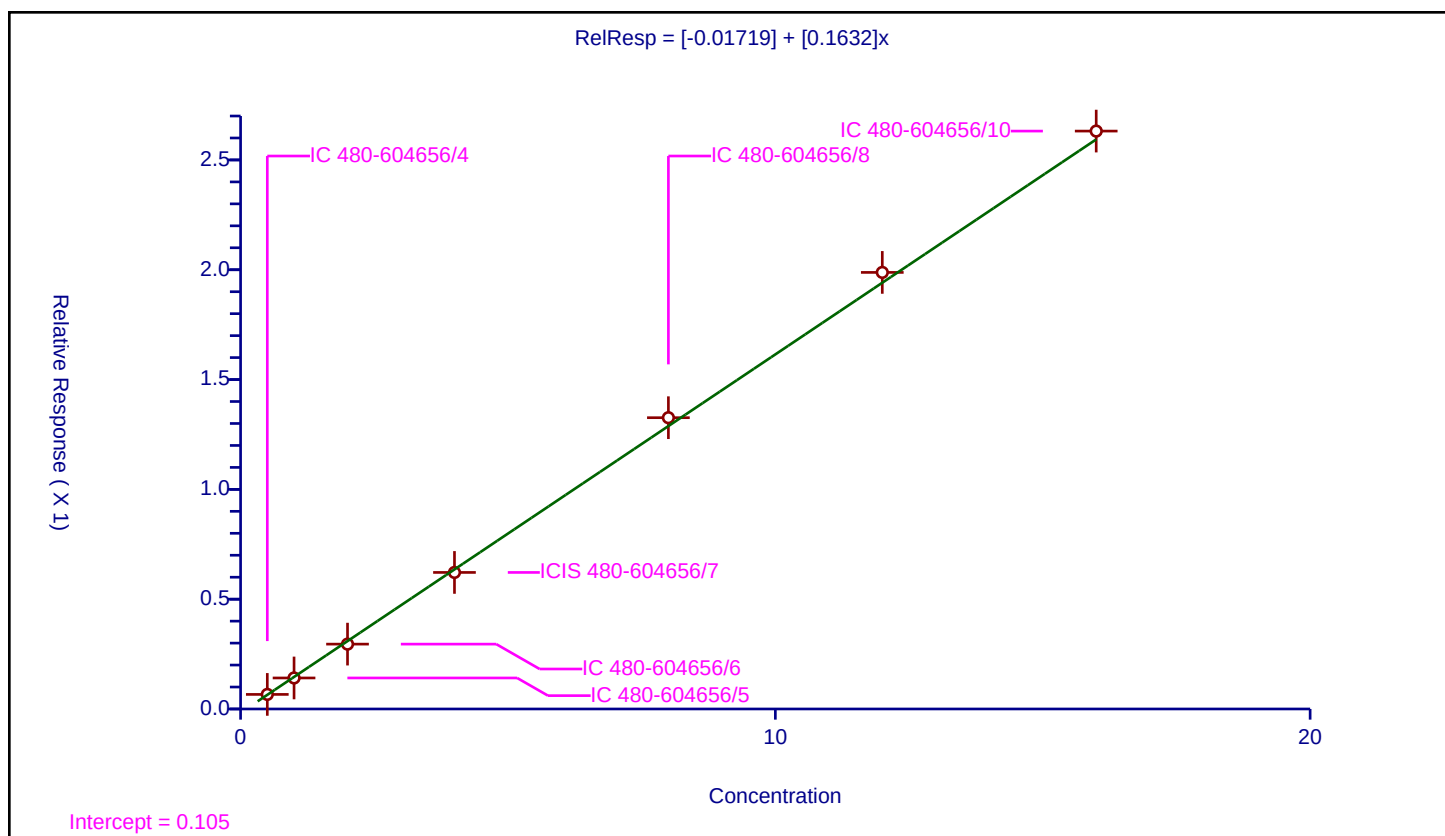
Curve Coefficients

Intercept: -0.01719
 Slope: 0.1632

Error Coefficients

Standard Error: 492000
 Relative Standard Error: 3.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.066381	4.0	1168112.0	0.132761	Y
2	IC 480-604656/5	1.0	0.141282	4.0	1144410.0	0.141282	Y
3	IC 480-604656/6	2.0	0.295398	4.0	1220551.0	0.147699	Y
4	ICIS 480-604656/7	4.0	0.621721	4.0	1195275.0	0.15543	Y
5	IC 480-604656/8	8.0	1.326342	4.0	1235105.0	0.165793	Y
6	IC 480-604656/9	12.0	1.987812	4.0	1232229.0	0.165651	Y
7	IC 480-604656/10	16.0	2.631429	4.0	1200519.0	0.164464	Y



Calibration

/ 4-Bromophenyl phenyl ether

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

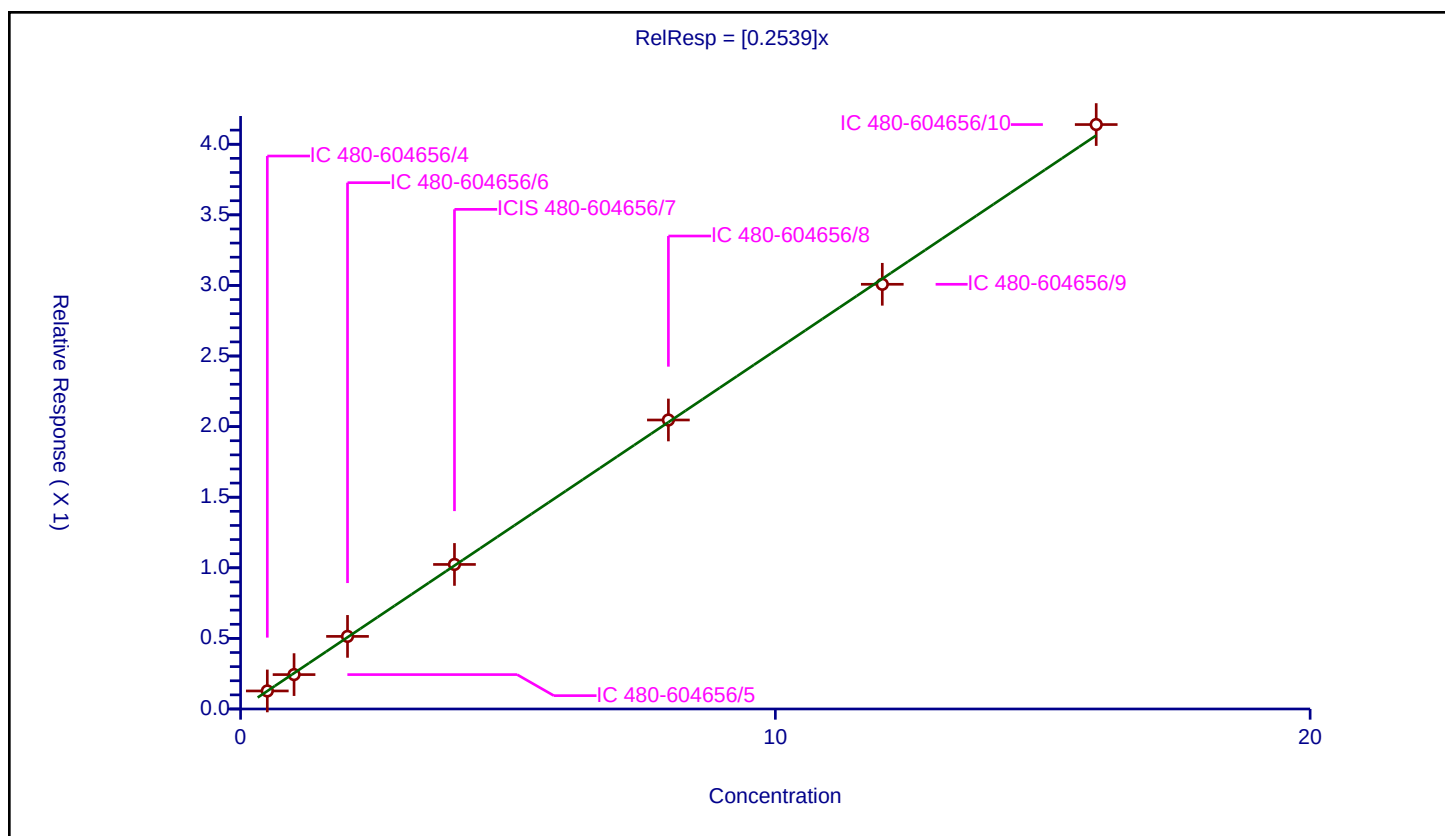
Curve Coefficients

Intercept: 0
 Slope: 0.2539

Error Coefficients

Standard Error: 698000
 Relative Standard Error: 2.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.127693	4.0	1168112.0	0.255386	Y
2	IC 480-604656/5	1.0	0.243605	4.0	1144410.0	0.243605	Y
3	IC 480-604656/6	2.0	0.514282	4.0	1220551.0	0.257141	Y
4	ICIS 480-604656/7	4.0	1.023882	4.0	1195275.0	0.25597	Y
5	IC 480-604656/8	8.0	2.047052	4.0	1235105.0	0.255881	Y
6	IC 480-604656/9	12.0	3.008266	4.0	1232229.0	0.250689	Y
7	IC 480-604656/10	16.0	4.139636	4.0	1200519.0	0.258727	Y



Calibration

/ Hexachlorobenzene

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

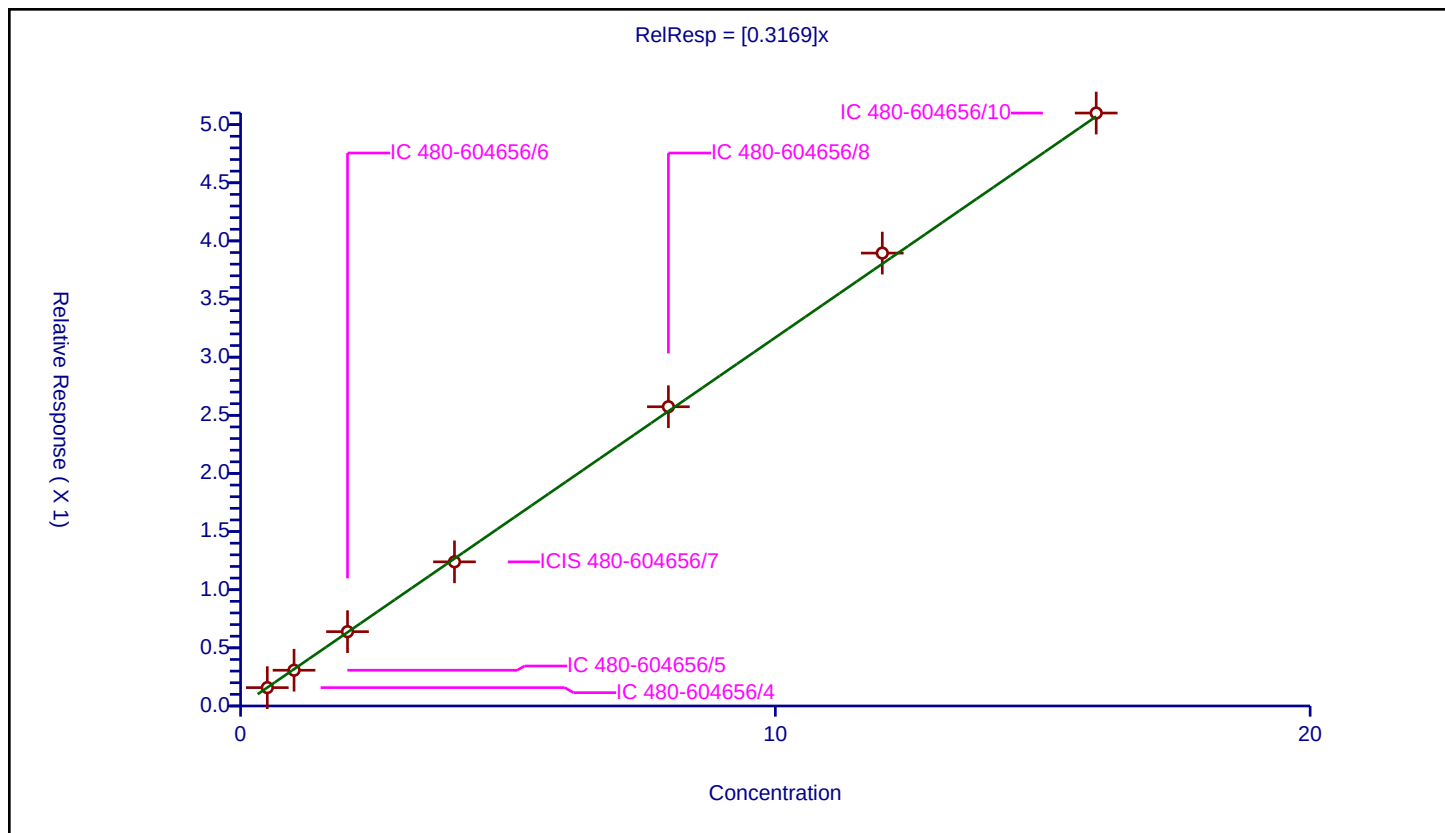
Curve Coefficients

Intercept: 0
 Slope: 0.3169

Error Coefficients

Standard Error: 876000
 Relative Standard Error: 2.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.158023	4.0	1168112.0	0.316045	Y
2	IC 480-604656/5	1.0	0.307516	4.0	1144410.0	0.307516	Y
3	IC 480-604656/6	2.0	0.63941	4.0	1220551.0	0.319705	Y
4	ICIS 480-604656/7	4.0	1.239815	4.0	1195275.0	0.309954	Y
5	IC 480-604656/8	8.0	2.573754	4.0	1235105.0	0.321719	Y
6	IC 480-604656/9	12.0	3.895276	4.0	1232229.0	0.324606	Y
7	IC 480-604656/10	16.0	5.099791	4.0	1200519.0	0.318737	Y



Calibration

/ Atrazine

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

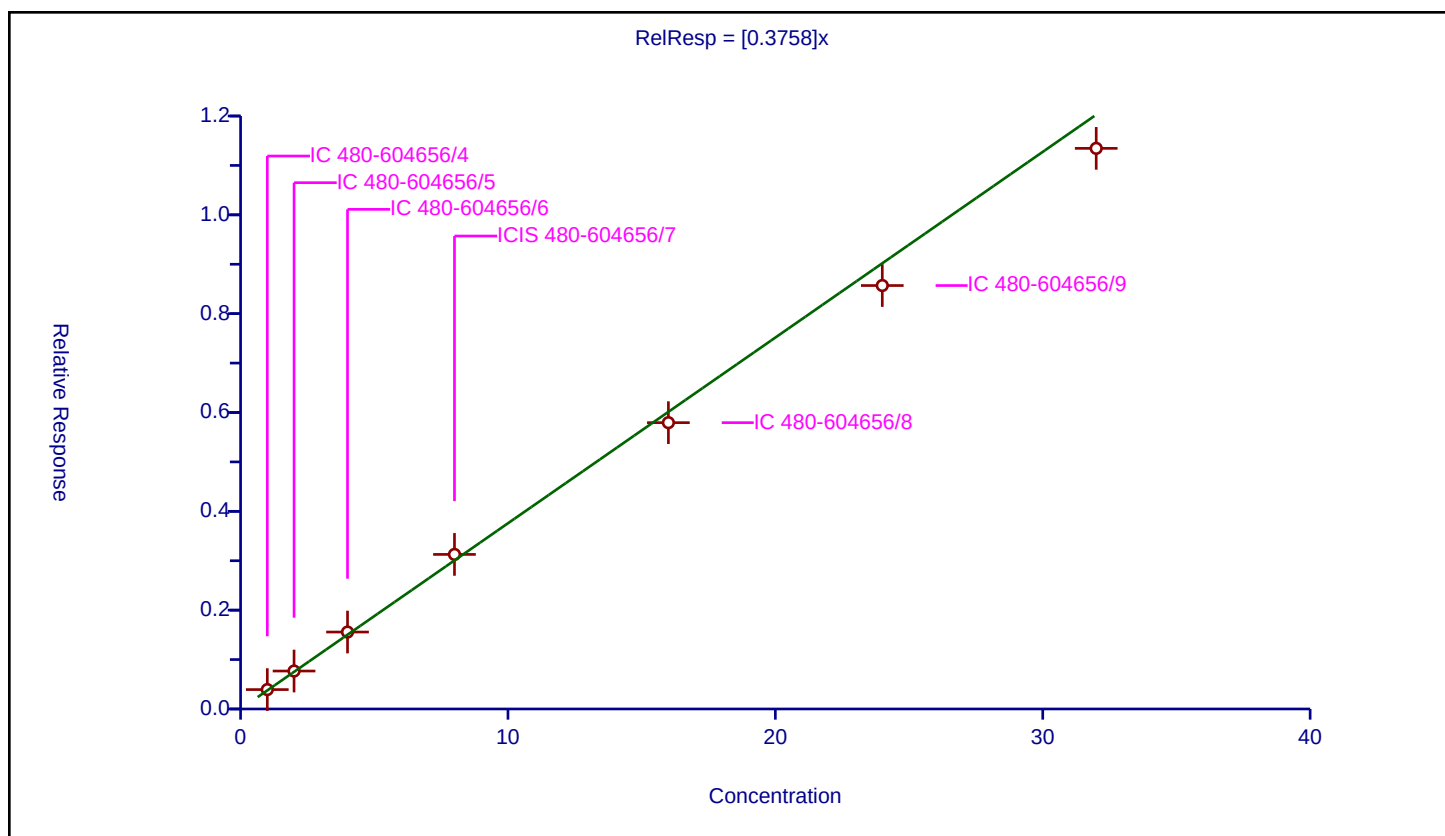
Curve Coefficients

Intercept: 0
Slope: 0.3758

Error Coefficients

Standard Error: 1070000
Relative Standard Error: 4.5
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.392439	4.0	650435.0	0.392439	Y
2	IC 480-604656/5	2.0	0.768435	4.0	631835.0	0.384217	Y
3	IC 480-604656/6	4.0	1.556976	4.0	663332.0	0.389244	Y
4	ICIS 480-604656/7	8.0	3.12817	4.0	657931.0	0.391021	Y
5	IC 480-604656/8	16.0	5.79446	4.0	687311.0	0.362154	Y
6	IC 480-604656/9	24.0	8.569621	4.0	669203.0	0.357068	Y
7	IC 480-604656/10	32.0	11.345535	4.0	651268.0	0.354548	Y



Calibration

/ n-Octadecane

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

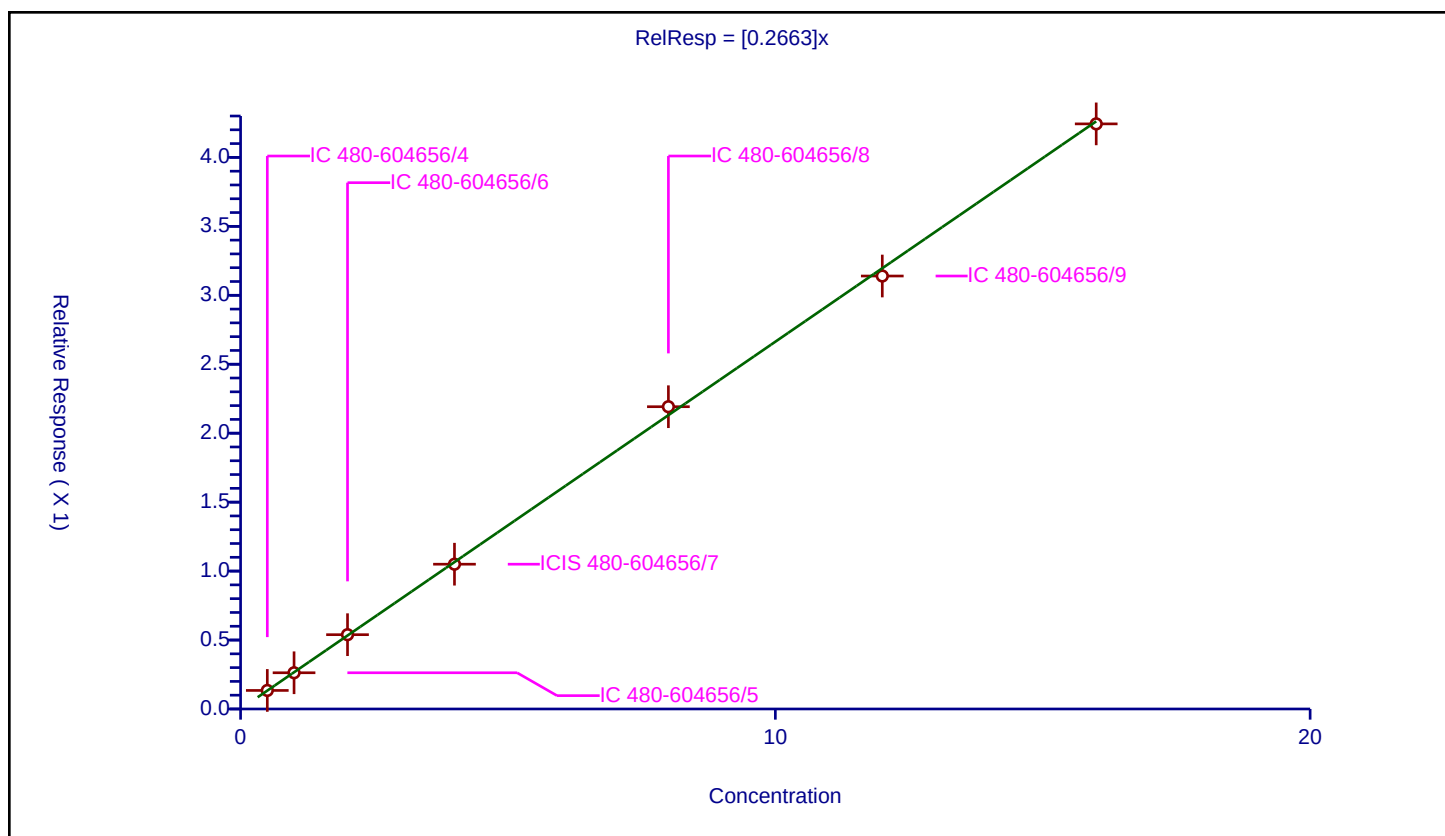
Curve Coefficients

Intercept: 0
 Slope: 0.2663

Error Coefficients

Standard Error: 724000
 Relative Standard Error: 1.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.134463	4.0	1168112.0	0.268926	Y
2	IC 480-604656/5	1.0	0.2627	4.0	1144410.0	0.2627	Y
3	IC 480-604656/6	2.0	0.538799	4.0	1220551.0	0.2694	Y
4	ICIS 480-604656/7	4.0	1.049934	4.0	1195275.0	0.262484	Y
5	IC 480-604656/8	8.0	2.191972	4.0	1235105.0	0.273997	Y
6	IC 480-604656/9	12.0	3.139764	4.0	1232229.0	0.261647	Y
7	IC 480-604656/10	16.0	4.242982	4.0	1200519.0	0.265186	Y



Calibration

/ Pentachlorophenol

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

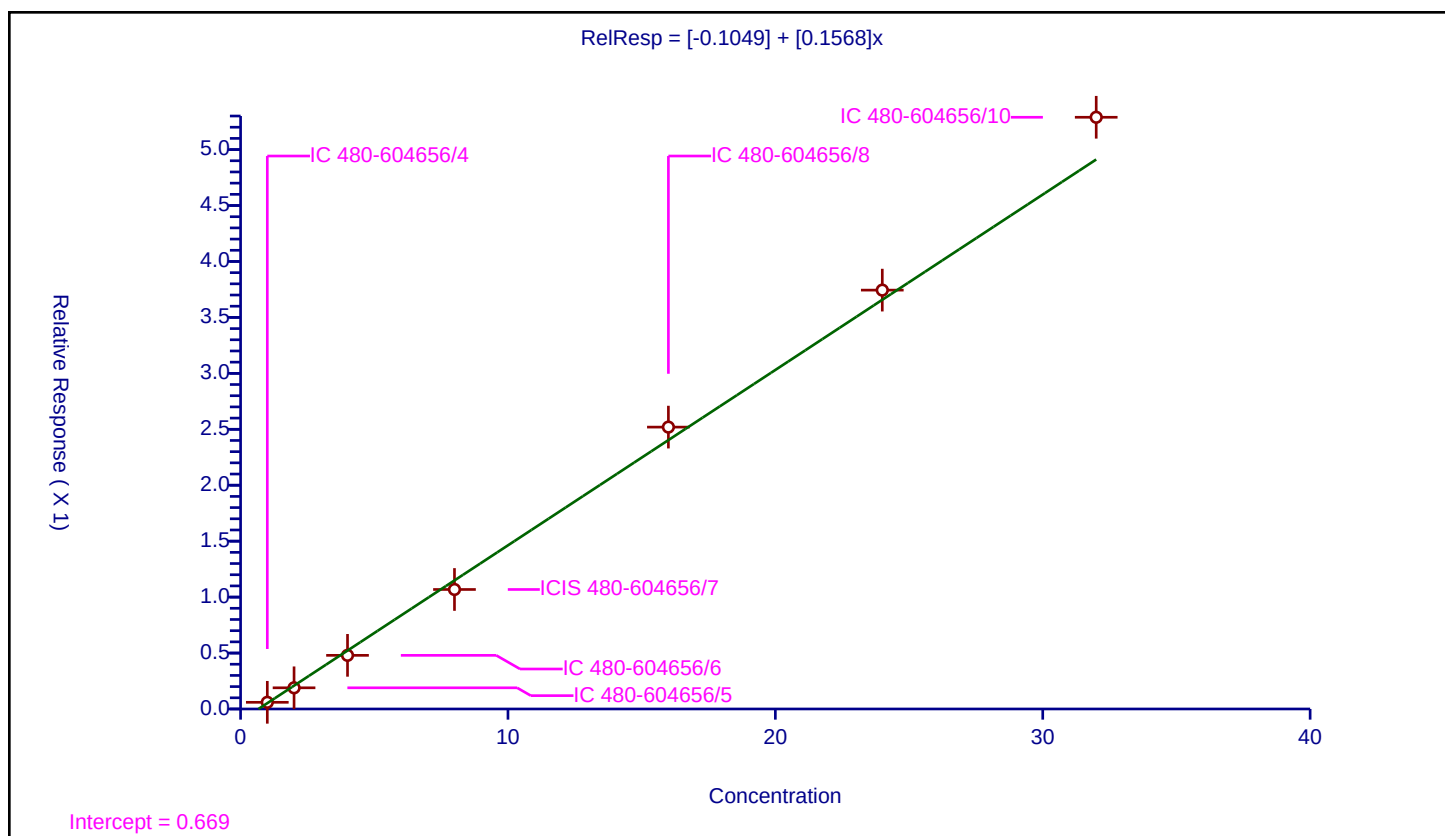
Curve Coefficients

Intercept: -0.1049
 Slope: 0.1568

Error Coefficients

Standard Error: 957000
 Relative Standard Error: 6.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.05959	4.0	1168112.0	0.05959	Y
2	IC 480-604656/5	2.0	0.189355	4.0	1144410.0	0.094678	Y
3	IC 480-604656/6	4.0	0.479492	4.0	1220551.0	0.119873	Y
4	ICIS 480-604656/7	8.0	1.068045	4.0	1195275.0	0.133506	Y
5	IC 480-604656/8	16.0	2.519481	4.0	1235105.0	0.157468	Y
6	IC 480-604656/9	24.0	3.743772	4.0	1232229.0	0.15599	Y
7	IC 480-604656/10	32.0	5.288759	4.0	1200519.0	0.165274	Y



Calibration

/ Phenanthrene

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

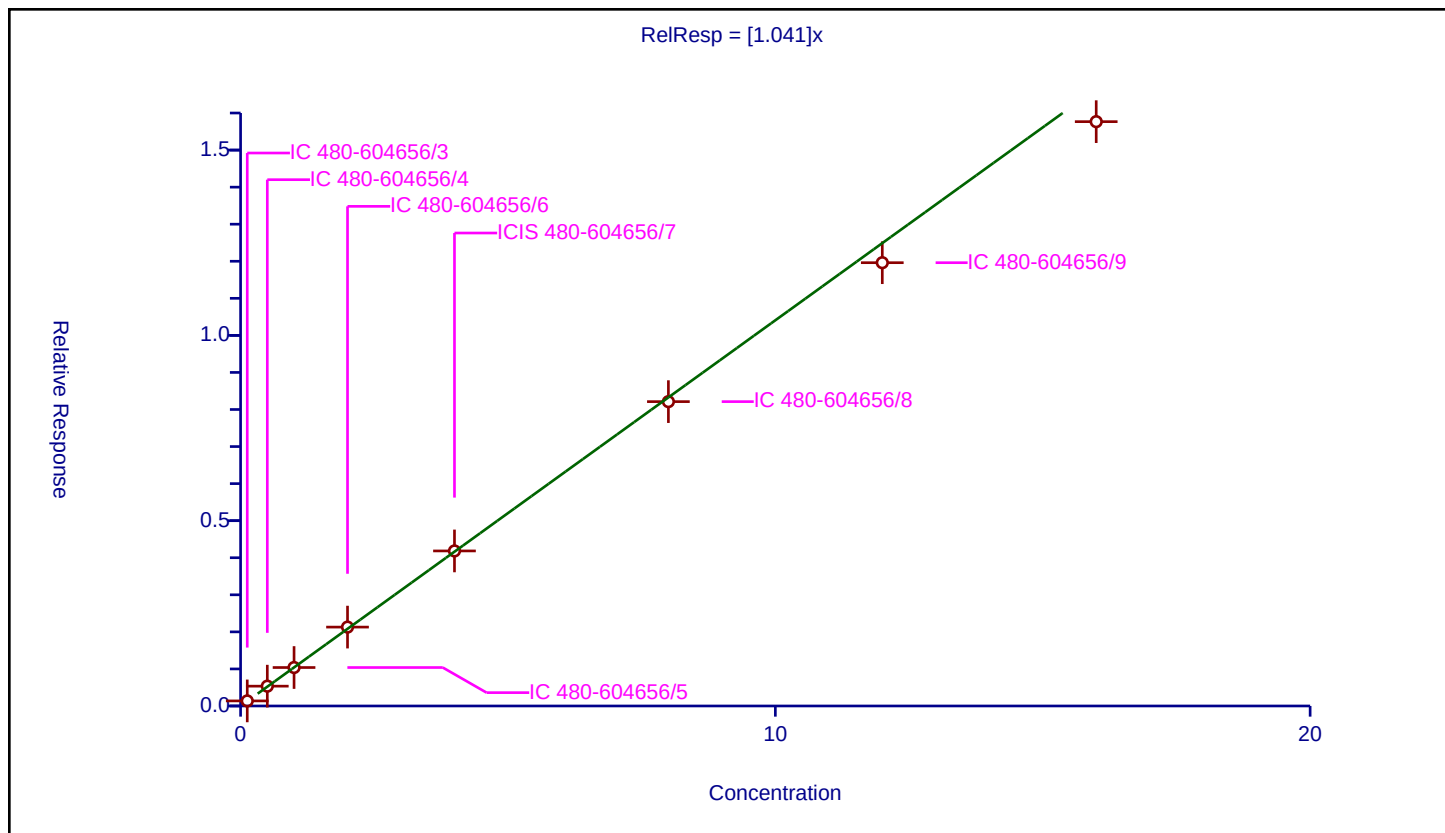
Curve Coefficients

Intercept: 0
 Slope: 1.041

Error Coefficients

Standard Error: 2520000
 Relative Standard Error: 3.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.137318	4.0	1113069.0	1.098541	Y
2	IC 480-604656/4	0.5	0.535185	4.0	1168112.0	1.07037	Y
3	IC 480-604656/5	1.0	1.038006	4.0	1144410.0	1.038006	Y
4	IC 480-604656/6	2.0	2.128485	4.0	1220551.0	1.064242	Y
5	ICIS 480-604656/7	4.0	4.183784	4.0	1195275.0	1.045946	Y
6	IC 480-604656/8	8.0	8.21229	4.0	1235105.0	1.026536	Y
7	IC 480-604656/9	12.0	11.960972	4.0	1232229.0	0.996748	Y
8	IC 480-604656/10	16.0	15.766941	4.0	1200519.0	0.985434	Y



Calibration

/ Anthracene

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

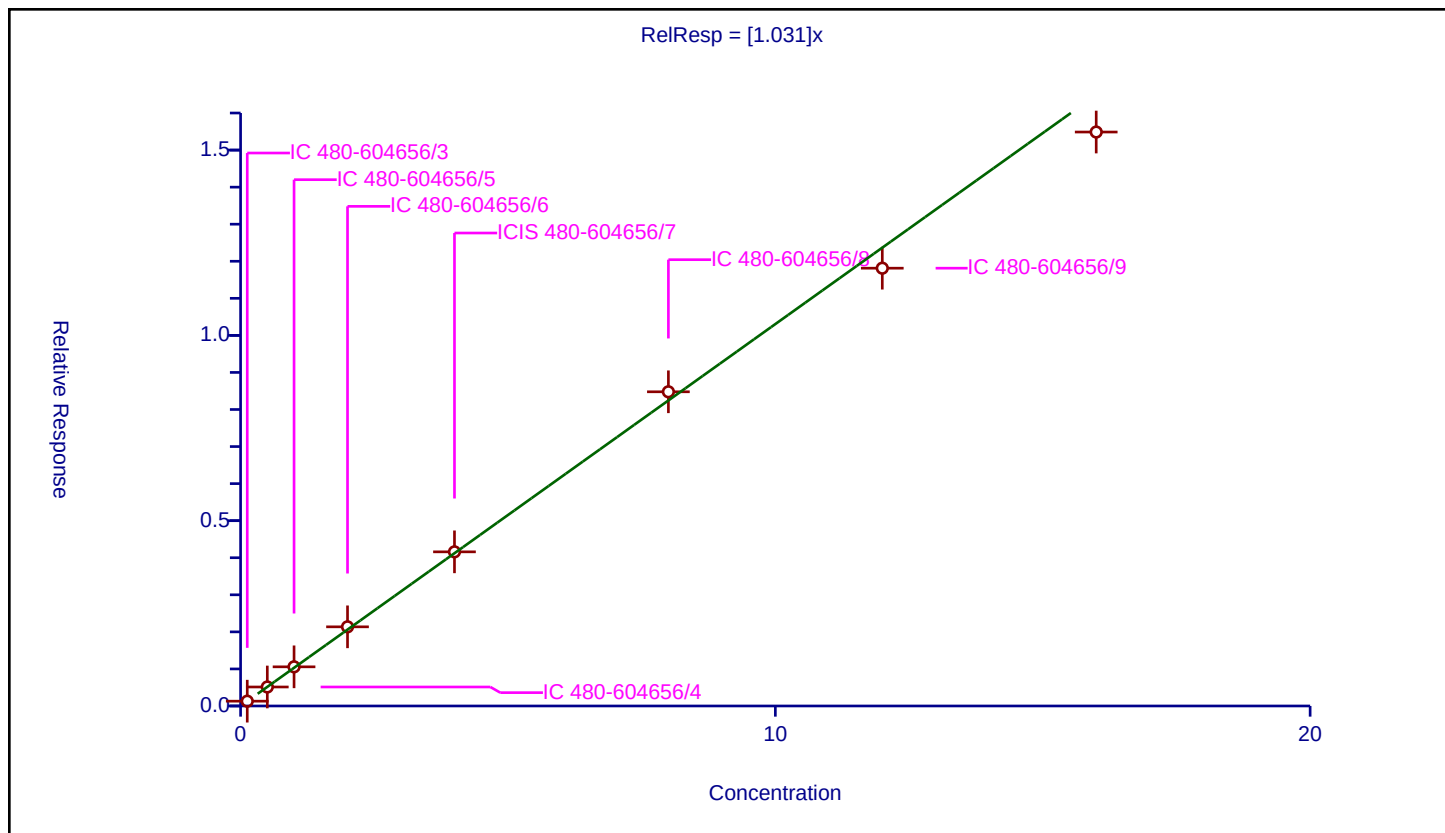
Curve Coefficients

Intercept: 0
 Slope: 1.031

Error Coefficients

Standard Error: 2500000
 Relative Standard Error: 3.5
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.130199	4.0	1113069.0	1.041589	Y
2	IC 480-604656/4	0.5	0.512848	4.0	1168112.0	1.025696	Y
3	IC 480-604656/5	1.0	1.056967	4.0	1144410.0	1.056967	Y
4	IC 480-604656/6	2.0	2.136052	4.0	1220551.0	1.068026	Y
5	ICIS 480-604656/7	4.0	4.159113	4.0	1195275.0	1.039778	Y
6	IC 480-604656/8	8.0	8.478133	4.0	1235105.0	1.059767	Y
7	IC 480-604656/9	12.0	11.813145	4.0	1232229.0	0.984429	Y
8	IC 480-604656/10	16.0	15.487115	4.0	1200519.0	0.967945	Y



Calibration

/ Carbazole

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

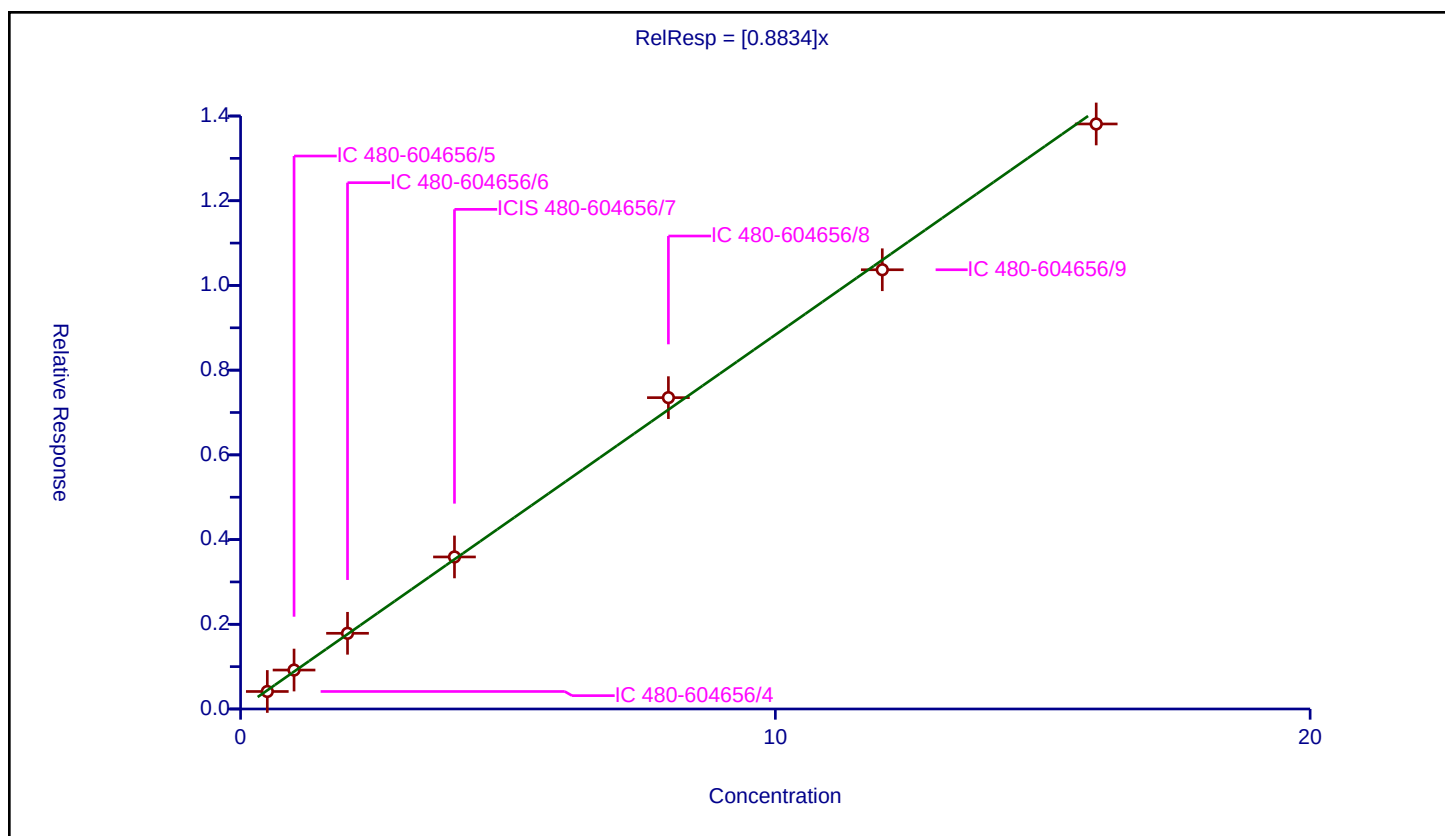
Curve Coefficients

Intercept: 0
Slope: 0.8834

Error Coefficients

Standard Error: 2380000
Relative Standard Error: 3.8
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.413505	4.0	1168112.0	0.82701	Y
2	IC 480-604656/5	1.0	0.919279	4.0	1144410.0	0.919279	Y
3	IC 480-604656/6	2.0	1.787268	4.0	1220551.0	0.893634	Y
4	ICIS 480-604656/7	4.0	3.589895	4.0	1195275.0	0.897474	Y
5	IC 480-604656/8	8.0	7.350679	4.0	1235105.0	0.918835	Y
6	IC 480-604656/9	12.0	10.370683	4.0	1232229.0	0.864224	Y
7	IC 480-604656/10	16.0	13.81229	4.0	1200519.0	0.863268	Y



Calibration

/ Di-n-butyl phthalate

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

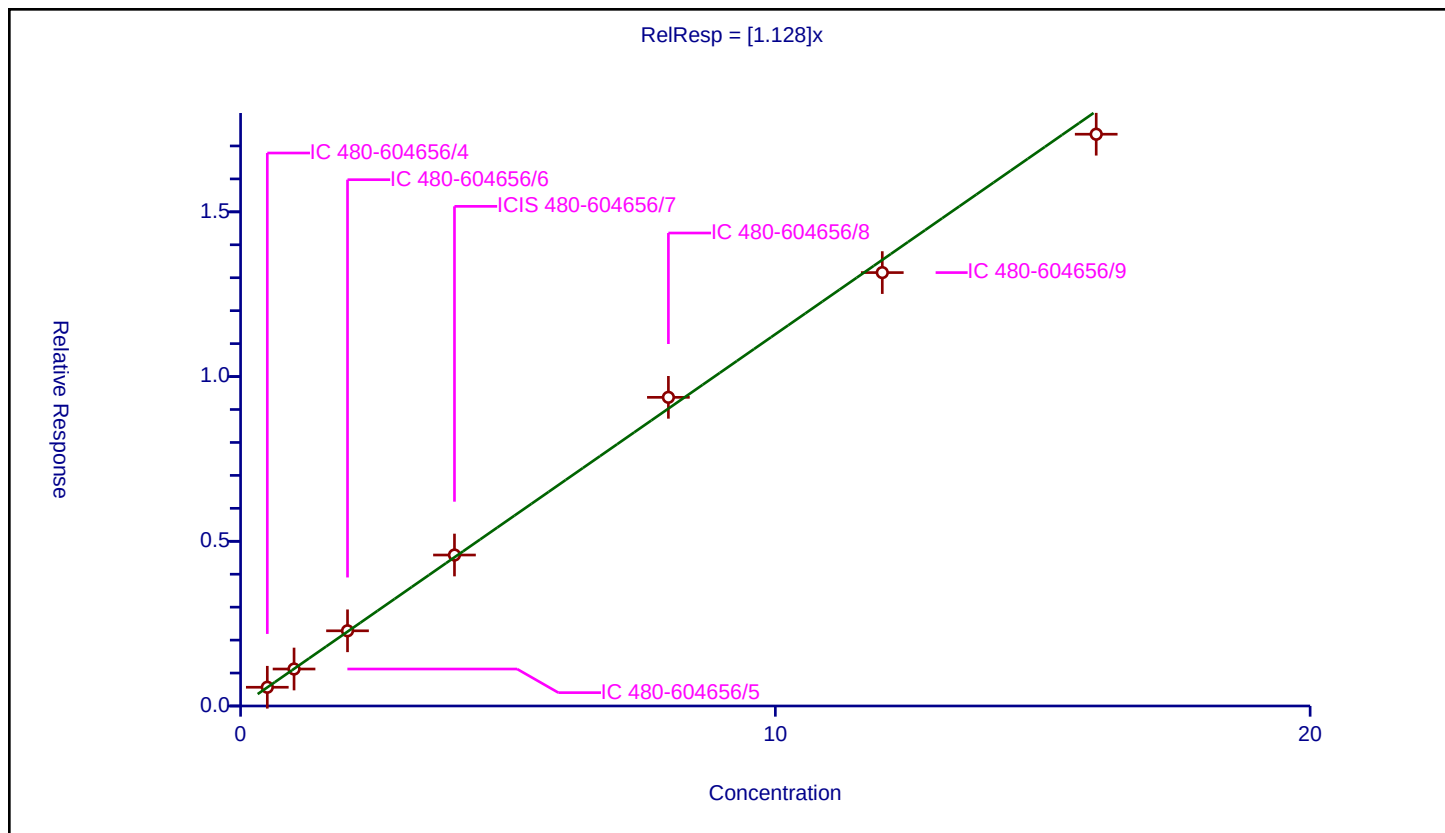
Curve Coefficients

Intercept: 0
 Slope: 1.128

Error Coefficients

Standard Error: 3010000
 Relative Standard Error: 2.6
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.568963	4.0	1168112.0	1.137925	Y
2	IC 480-604656/5	1.0	1.122346	4.0	1144410.0	1.122346	Y
3	IC 480-604656/6	2.0	2.282117	4.0	1220551.0	1.141058	Y
4	ICIS 480-604656/7	4.0	4.582922	4.0	1195275.0	1.14573	Y
5	IC 480-604656/8	8.0	9.369613	4.0	1235105.0	1.171202	Y
6	IC 480-604656/9	12.0	13.155824	4.0	1232229.0	1.096319	Y
7	IC 480-604656/10	16.0	17.356267	4.0	1200519.0	1.084767	Y



Calibration

/ Fluoranthene

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

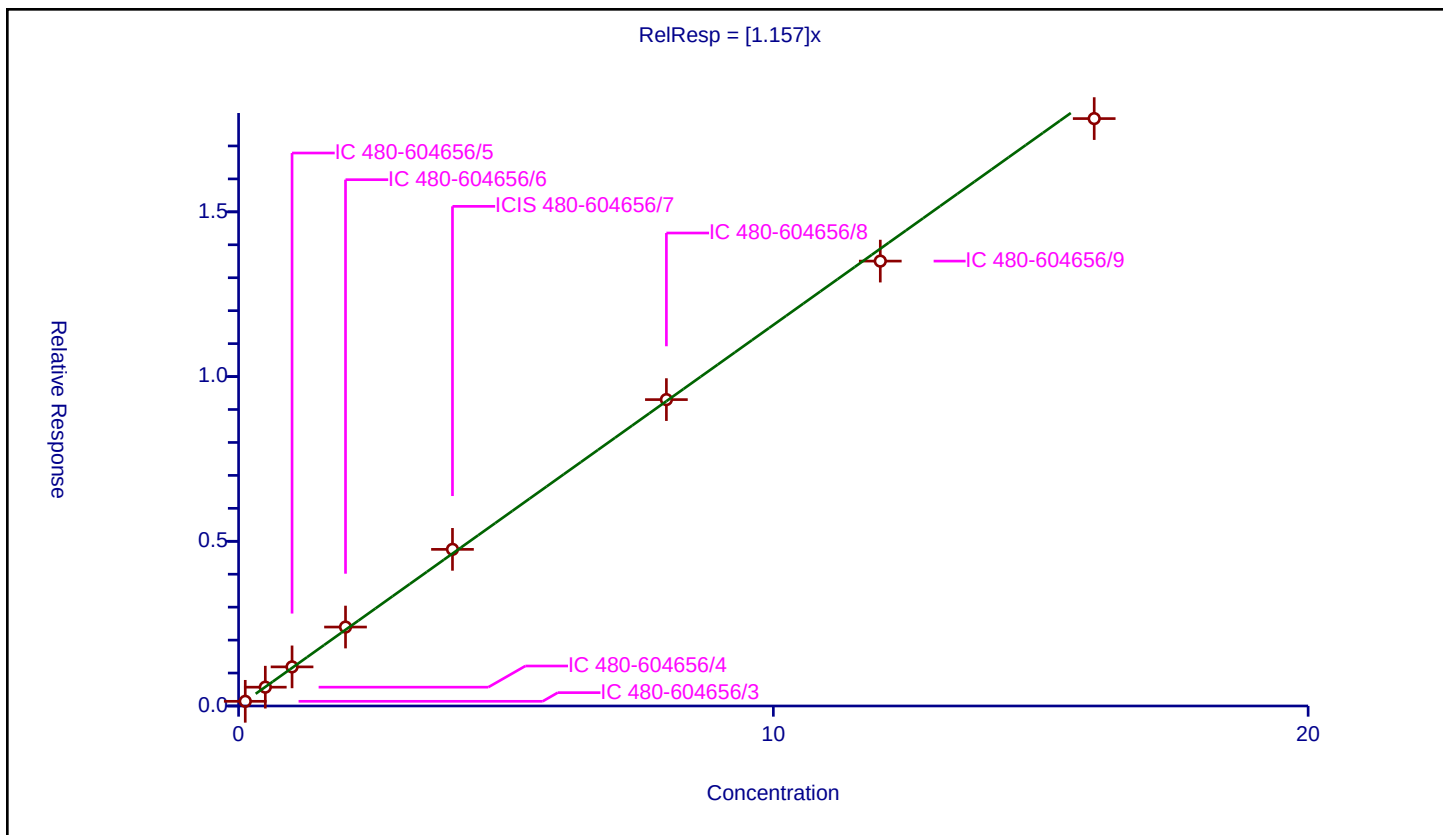
Curve Coefficients

Intercept: 0
 Slope: 1.157

Error Coefficients

Standard Error: 2850000
 Relative Standard Error: 2.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.141842	4.0	1113069.0	1.134736	Y
2	IC 480-604656/4	0.5	0.570873	4.0	1168112.0	1.141747	Y
3	IC 480-604656/5	1.0	1.187473	4.0	1144410.0	1.187473	Y
4	IC 480-604656/6	2.0	2.396449	4.0	1220551.0	1.198224	Y
5	ICIS 480-604656/7	4.0	4.754772	4.0	1195275.0	1.188693	Y
6	IC 480-604656/8	8.0	9.300547	4.0	1235105.0	1.162568	Y
7	IC 480-604656/9	12.0	13.50521	4.0	1232229.0	1.125434	Y
8	IC 480-604656/10	16.0	17.830448	4.0	1200519.0	1.114403	Y



Calibration

/ Benzidine

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

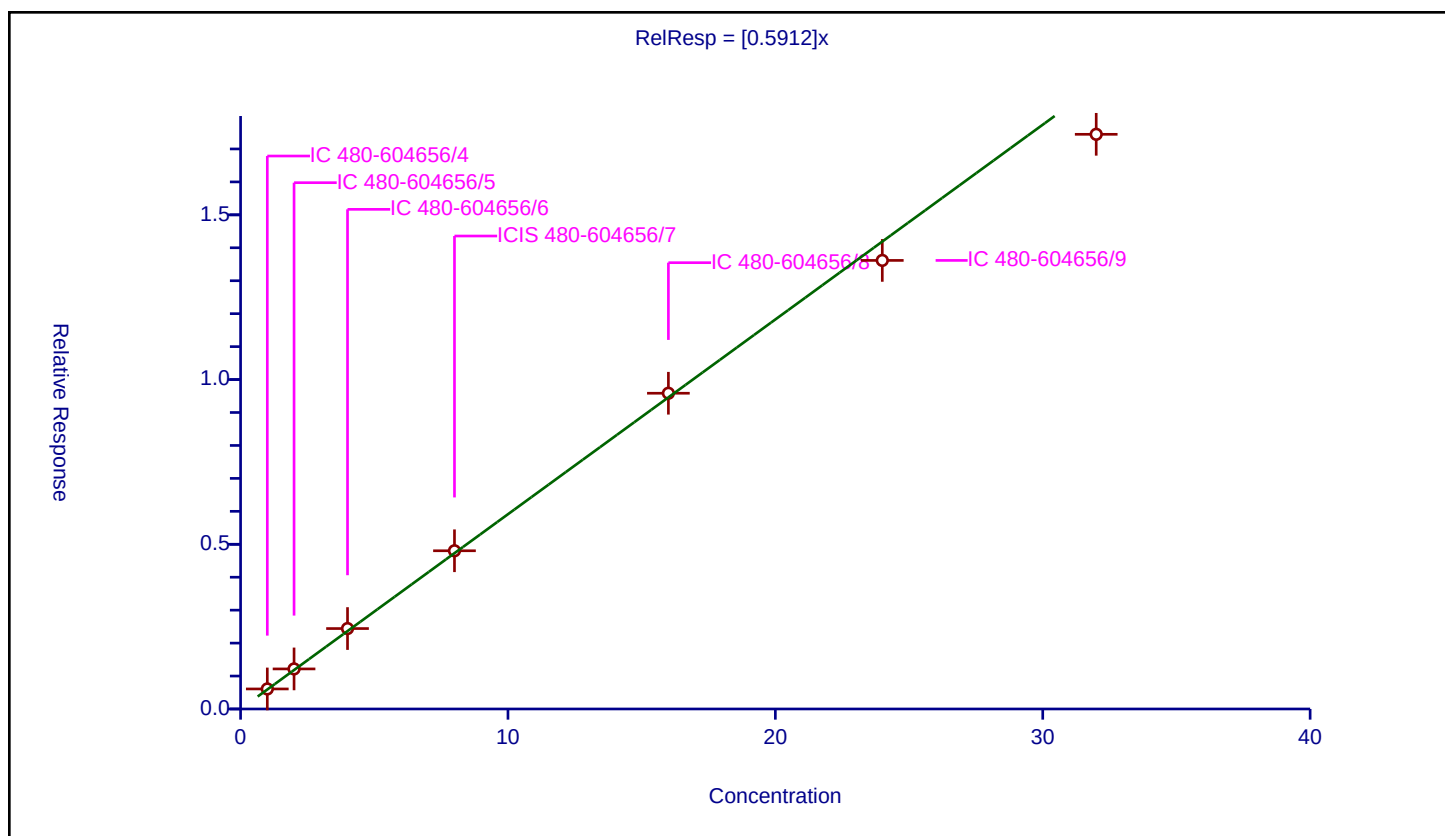
Curve Coefficients

Intercept: 0
Slope: 0.5912

Error Coefficients

Standard Error: 3020000
Relative Standard Error: 4.2
Correlation Coefficient: 0.994
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.607989	4.0	1173811.0	0.607989	Y
2	IC 480-604656/5	2.0	1.216006	4.0	1123662.0	0.608003	Y
3	IC 480-604656/6	4.0	2.44206	4.0	1200028.0	0.610515	Y
4	ICIS 480-604656/7	8.0	4.802918	4.0	1165813.0	0.600365	Y
5	IC 480-604656/8	16.0	9.584404	4.0	1242284.0	0.599025	Y
6	IC 480-604656/9	24.0	13.616716	4.0	1207183.0	0.567363	Y
7	IC 480-604656/10	32.0	17.444937	4.0	1175052.0	0.545154	Y



Calibration

/ Pyrene

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

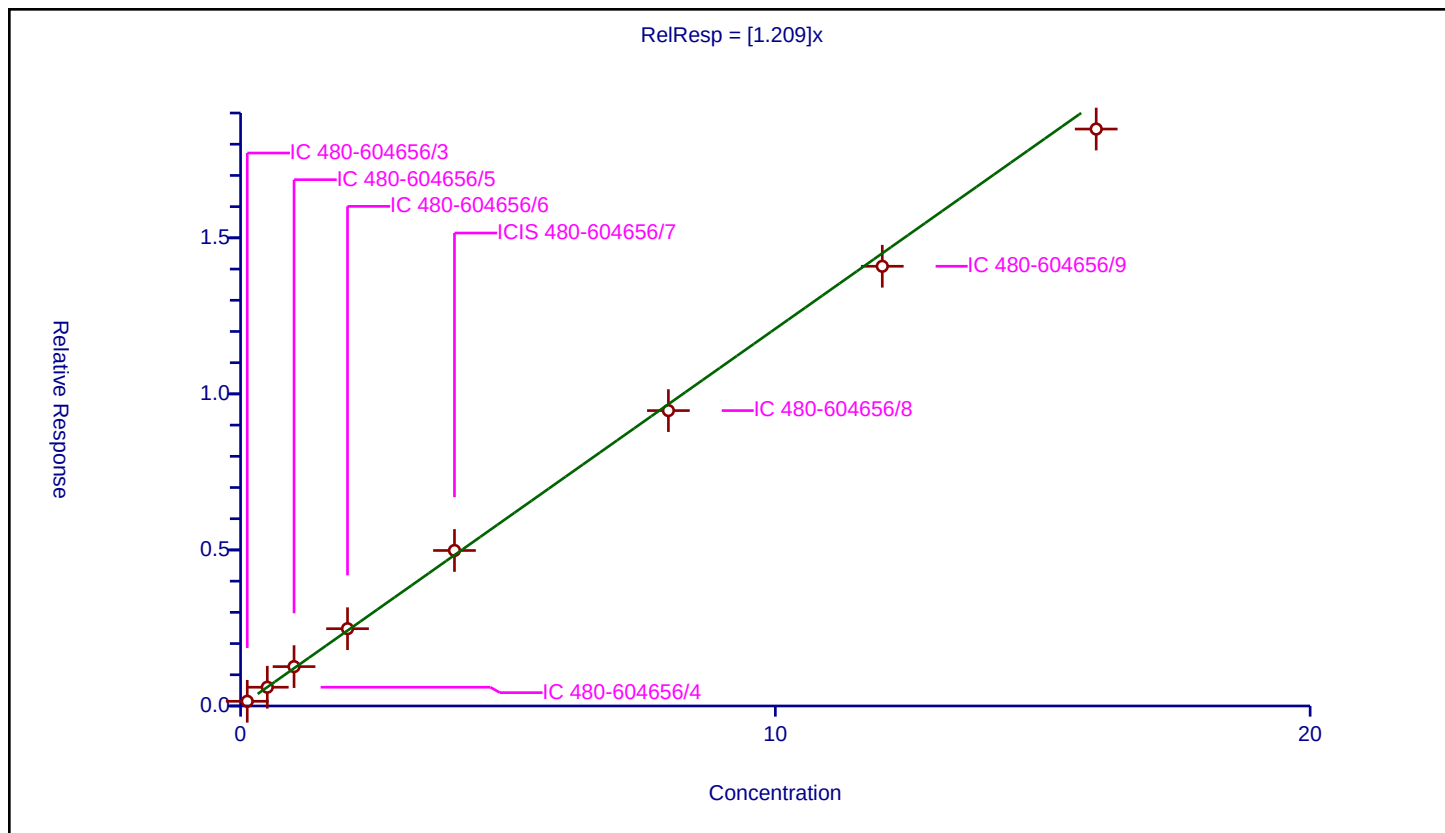
Curve Coefficients

Intercept: 0
 Slope: 1.209

Error Coefficients

Standard Error: 2900000
 Relative Standard Error: 3.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.151165	4.0	1128095.0	1.209317	Y
2	IC 480-604656/4	0.5	0.601446	4.0	1173811.0	1.202892	Y
3	IC 480-604656/5	1.0	1.261251	4.0	1123662.0	1.261251	Y
4	IC 480-604656/6	2.0	2.476339	4.0	1200028.0	1.238169	Y
5	ICIS 480-604656/7	4.0	4.982933	4.0	1165813.0	1.245733	Y
6	IC 480-604656/8	8.0	9.465401	4.0	1242284.0	1.183175	Y
7	IC 480-604656/9	12.0	14.089658	4.0	1207183.0	1.174138	Y
8	IC 480-604656/10	16.0	18.486076	4.0	1175052.0	1.15538	Y



Calibration

/ p-Terphenyl-d14

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

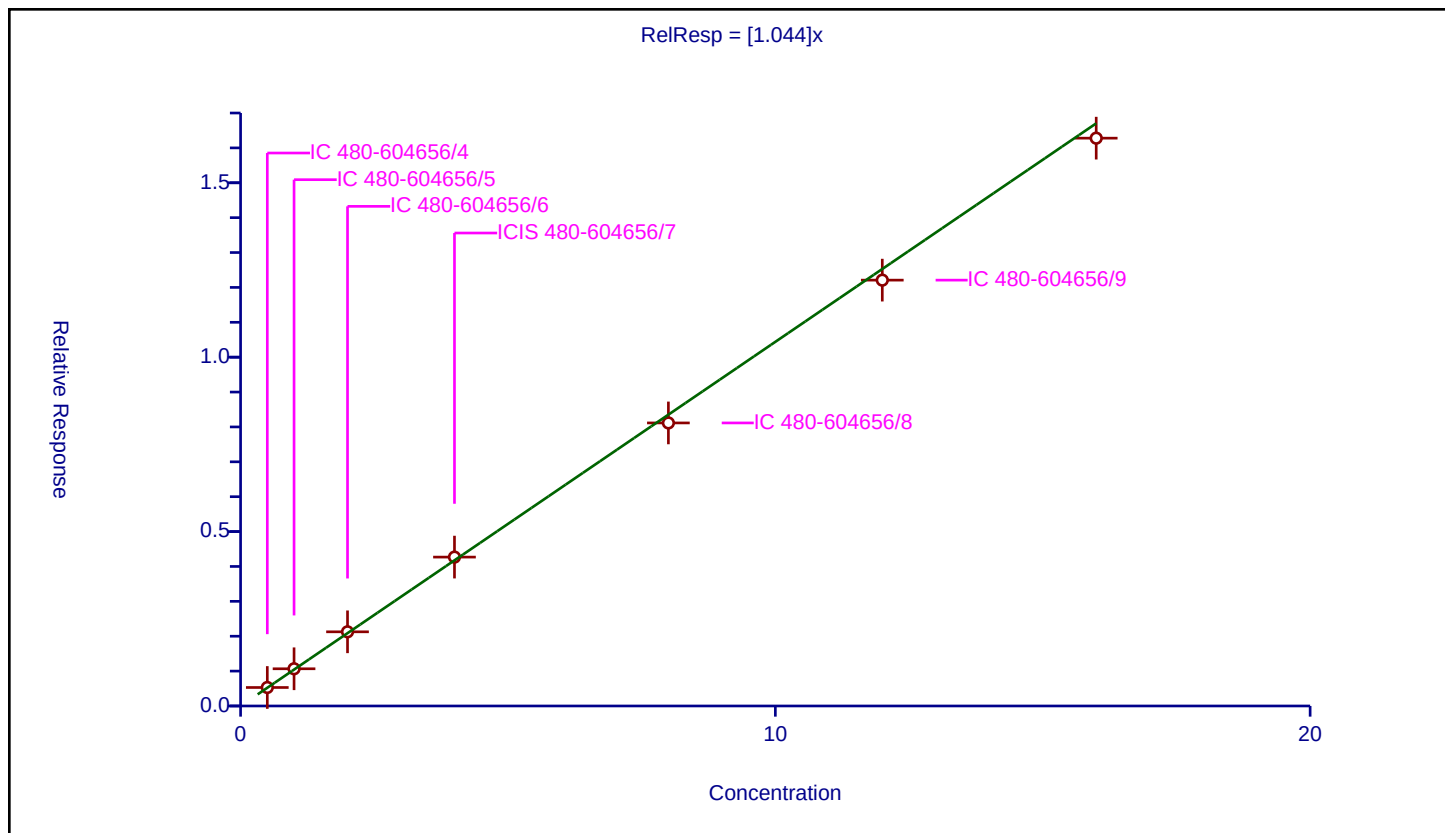
Curve Coefficients

Intercept: 0
 Slope: 1.044

Error Coefficients

Standard Error: 2730000
 Relative Standard Error: 2.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.530522	4.0	1173811.0	1.061043	Y
2	IC 480-604656/5	1.0	1.067182	4.0	1123662.0	1.067182	Y
3	IC 480-604656/6	2.0	2.126564	4.0	1200028.0	1.063282	Y
4	ICIS 480-604656/7	4.0	4.268939	4.0	1165813.0	1.067235	Y
5	IC 480-604656/8	8.0	8.114541	4.0	1242284.0	1.014318	Y
6	IC 480-604656/9	12.0	12.208502	4.0	1207183.0	1.017375	Y
7	IC 480-604656/10	16.0	16.278769	4.0	1175052.0	1.017423	Y



Calibration

/ Butyl benzyl phthalate

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

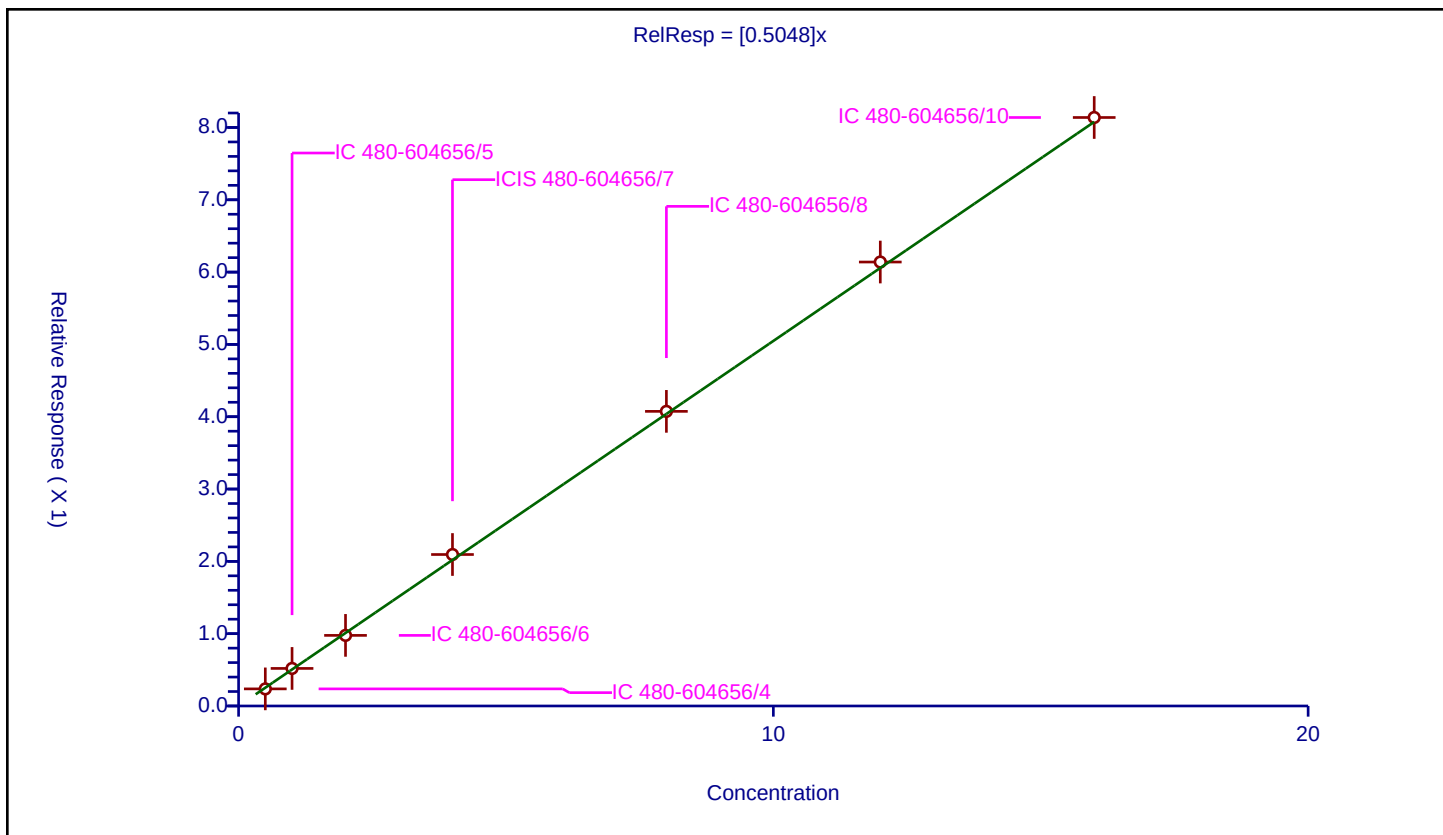
Curve Coefficients

Intercept: 0
 Slope: 0.5048

Error Coefficients

Standard Error: 1370000
 Relative Standard Error: 3.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.236375	4.0	1173811.0	0.472751	Y
2	IC 480-604656/5	1.0	0.519551	4.0	1123662.0	0.519551	Y
3	IC 480-604656/6	2.0	0.976147	4.0	1200028.0	0.488074	Y
4	ICIS 480-604656/7	4.0	2.094772	4.0	1165813.0	0.523693	Y
5	IC 480-604656/8	8.0	4.074331	4.0	1242284.0	0.509291	Y
6	IC 480-604656/9	12.0	6.139301	4.0	1207183.0	0.511608	Y
7	IC 480-604656/10	16.0	8.137921	4.0	1175052.0	0.50862	Y



Calibration

/ Bis(2-ethylhexyl) phthalate

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

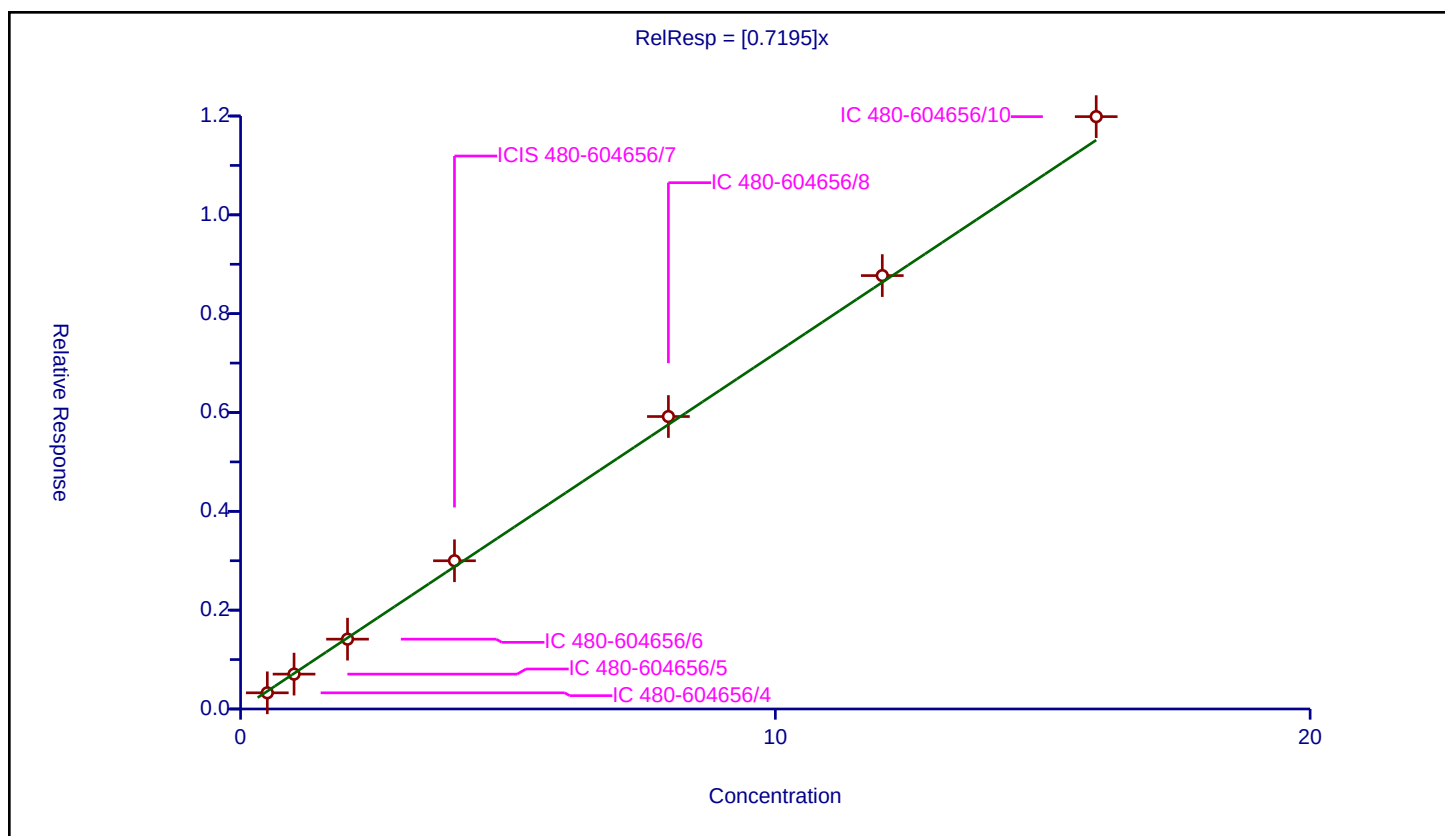
Curve Coefficients

Intercept: 0
 Slope: 0.7195

Error Coefficients

Standard Error: 1990000
 Relative Standard Error: 4.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.327296	4.0	1173811.0	0.654593	Y
2	IC 480-604656/5	1.0	0.705725	4.0	1123662.0	0.705725	Y
3	IC 480-604656/6	2.0	1.413197	4.0	1200028.0	0.706599	Y
4	ICIS 480-604656/7	4.0	2.999695	4.0	1165813.0	0.749924	Y
5	IC 480-604656/8	8.0	5.918544	4.0	1242284.0	0.739818	Y
6	IC 480-604656/9	12.0	8.770541	4.0	1207183.0	0.730878	Y
7	IC 480-604656/10	16.0	11.987626	4.0	1175052.0	0.749227	Y



Calibration

/ 3,3'-Dichlorobenzidine

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

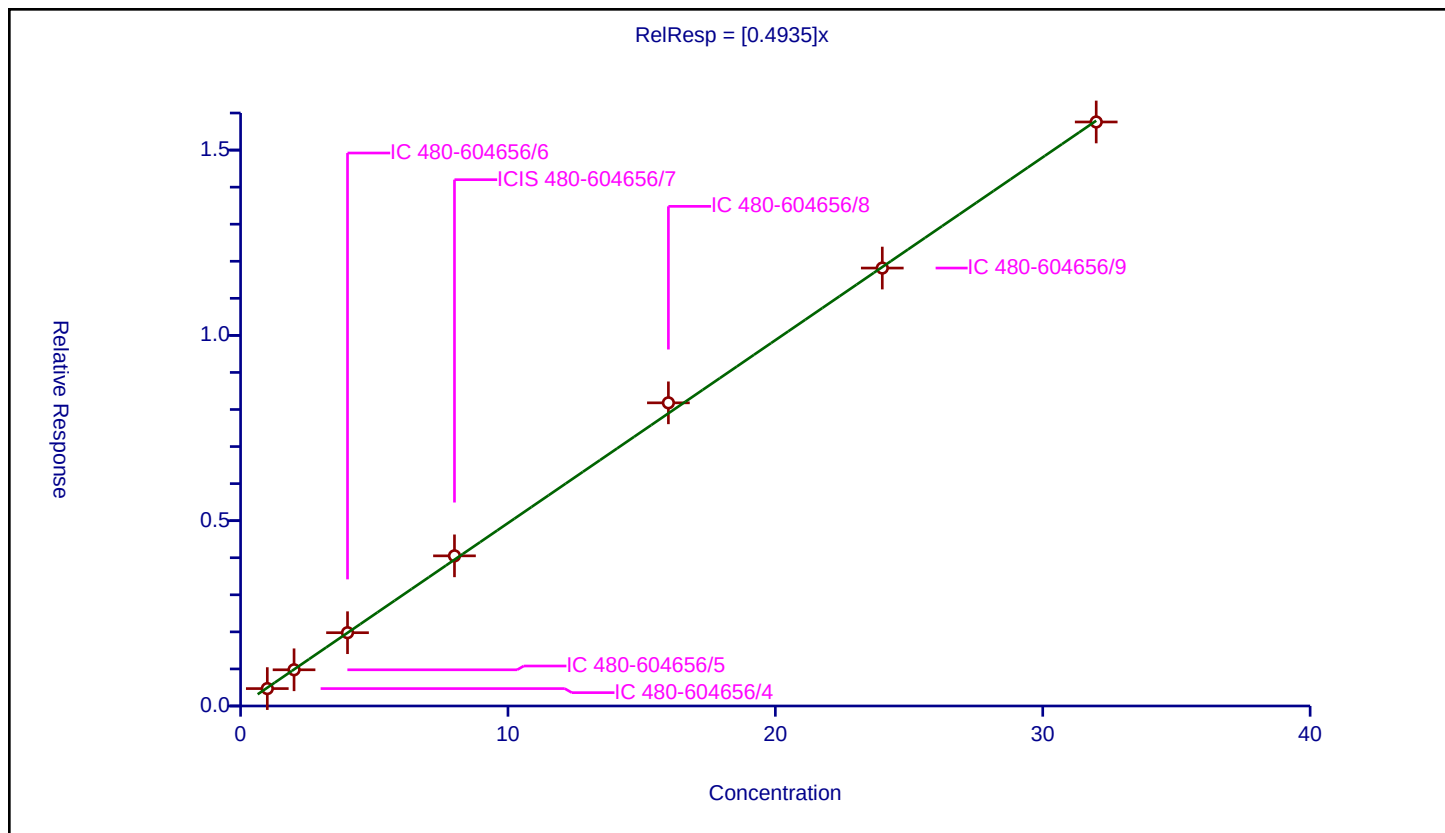
Curve Coefficients

Intercept: 0
Slope: 0.4935

Error Coefficients

Standard Error: 2660000
Relative Standard Error: 2.7
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.469374	4.0	1173811.0	0.469374	Y
2	IC 480-604656/5	2.0	0.976991	4.0	1123662.0	0.488496	Y
3	IC 480-604656/6	4.0	1.977527	4.0	1200028.0	0.494382	Y
4	ICIS 480-604656/7	8.0	4.051243	4.0	1165813.0	0.506405	Y
5	IC 480-604656/8	16.0	8.179956	4.0	1242284.0	0.511247	Y
6	IC 480-604656/9	24.0	11.816469	4.0	1207183.0	0.492353	Y
7	IC 480-604656/10	32.0	15.757961	4.0	1175052.0	0.492436	Y



Calibration

/ Benzo[a]anthracene

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

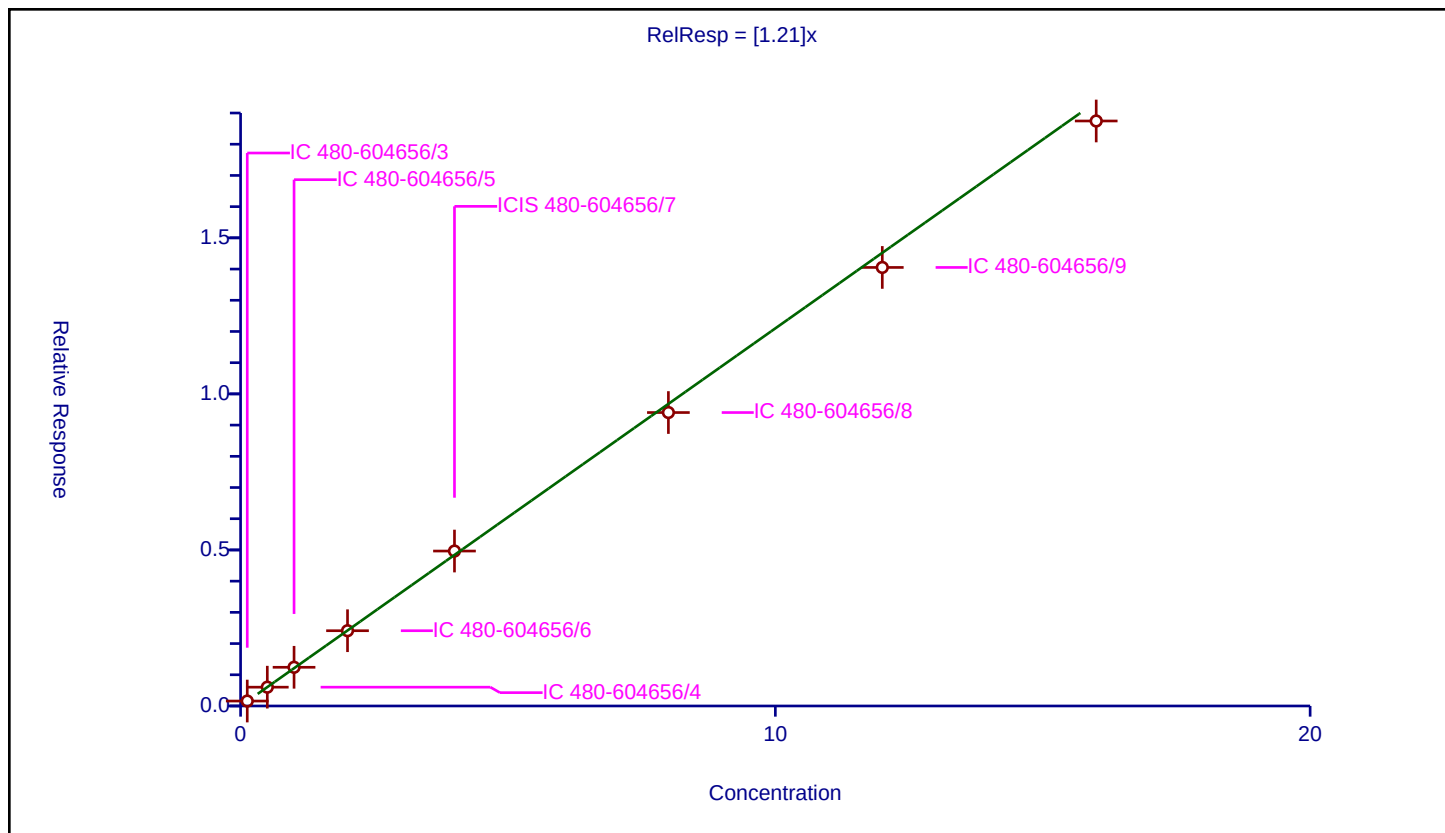
Curve Coefficients

Intercept: 0
 Slope: 1.21

Error Coefficients

Standard Error: 2920000
 Relative Standard Error: 3.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.158678	4.0	1128095.0	1.269425	Y
2	IC 480-604656/4	0.5	0.602663	4.0	1173811.0	1.205325	Y
3	IC 480-604656/5	1.0	1.240092	4.0	1123662.0	1.240092	Y
4	IC 480-604656/6	2.0	2.411447	4.0	1200028.0	1.205724	Y
5	ICIS 480-604656/7	4.0	4.964597	4.0	1165813.0	1.241149	Y
6	IC 480-604656/8	8.0	9.403167	4.0	1242284.0	1.175396	Y
7	IC 480-604656/9	12.0	14.05203	4.0	1207183.0	1.171003	Y
8	IC 480-604656/10	16.0	18.744331	4.0	1175052.0	1.171521	Y



Calibration

/ Chrysene

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

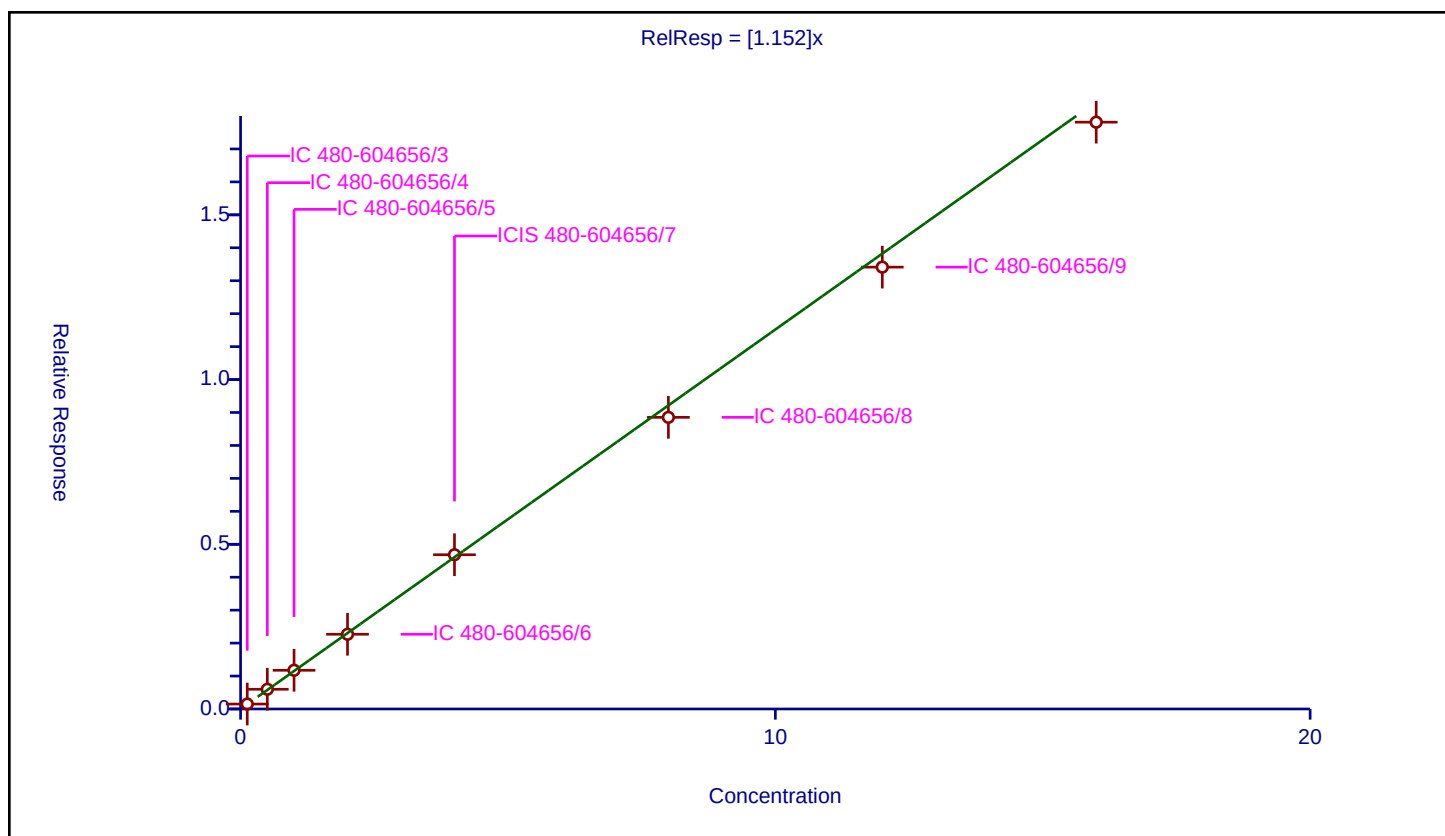
Curve Coefficients

Intercept: 0
 Slope: 1.152

Error Coefficients

Standard Error: 2770000
 Relative Standard Error: 3.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.149998	4.0	1128095.0	1.199984	Y
2	IC 480-604656/4	0.5	0.598607	4.0	1173811.0	1.197215	Y
3	IC 480-604656/5	1.0	1.175272	4.0	1123662.0	1.175272	Y
4	IC 480-604656/6	2.0	2.268807	4.0	1200028.0	1.134404	Y
5	ICIS 480-604656/7	4.0	4.682724	4.0	1165813.0	1.170681	Y
6	IC 480-604656/8	8.0	8.852491	4.0	1242284.0	1.106561	Y
7	IC 480-604656/9	12.0	13.412763	4.0	1207183.0	1.11773	Y
8	IC 480-604656/10	16.0	17.813013	4.0	1175052.0	1.113313	Y



Calibration

/ Di-n-octyl phthalate

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

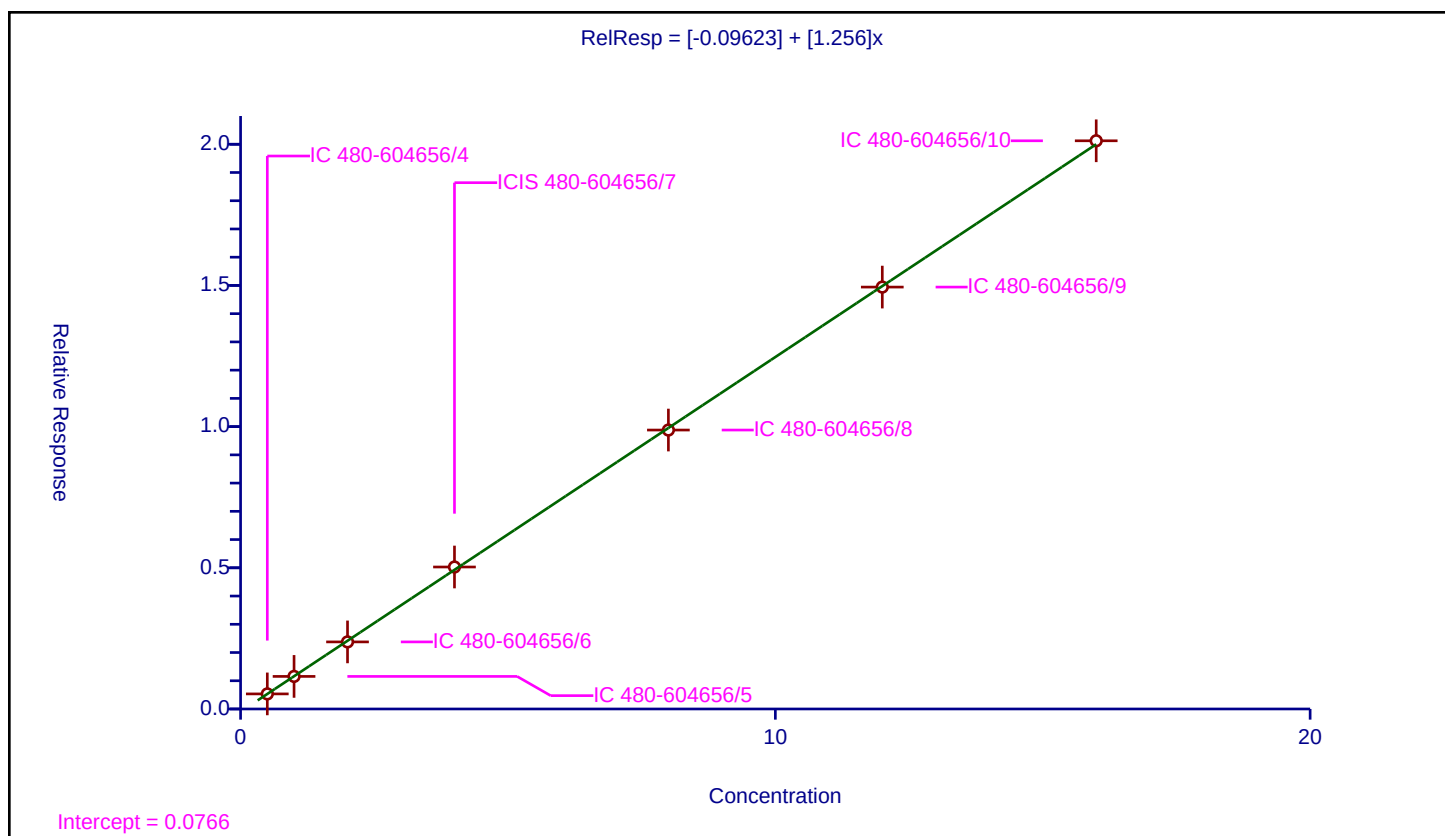
Curve Coefficients

Intercept: -0.09623
 Slope: 1.256

Error Coefficients

Standard Error: 3670000
 Relative Standard Error: 1.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.534399	4.0	1173811.0	1.068799	Y
2	IC 480-604656/5	1.0	1.154027	4.0	1123662.0	1.154027	Y
3	IC 480-604656/6	2.0	2.375425	4.0	1200028.0	1.187712	Y
4	ICIS 480-604656/7	4.0	5.028086	4.0	1165813.0	1.257021	Y
5	IC 480-604656/8	8.0	9.878585	4.0	1242284.0	1.234823	Y
6	IC 480-604656/9	12.0	14.941821	4.0	1207183.0	1.245152	Y
7	IC 480-604656/10	16.0	20.12266	4.0	1175052.0	1.257666	Y



Calibration

/ Benzo[b]fluoranthene

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

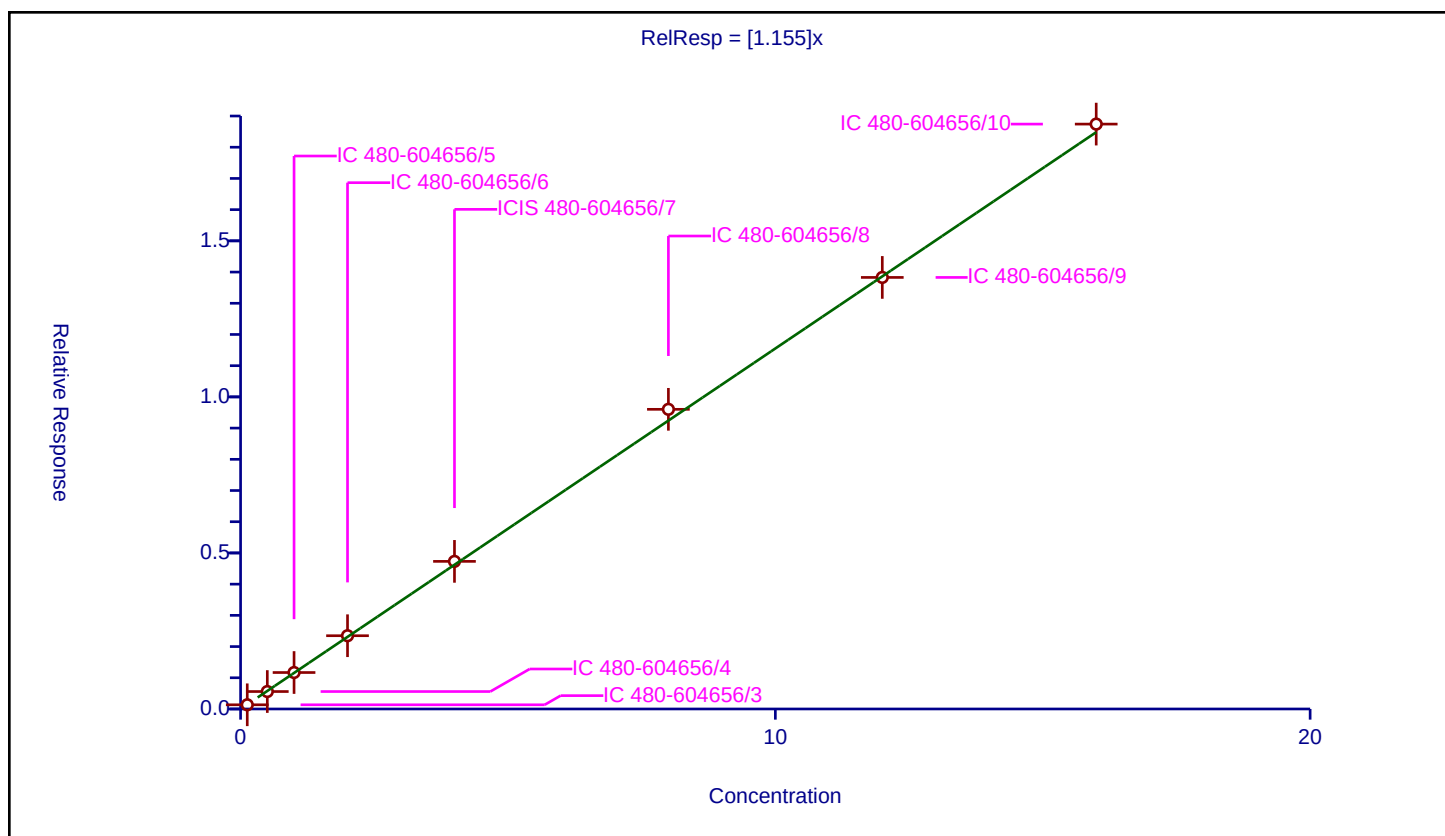
Curve Coefficients

Intercept: 0
 Slope: 1.155

Error Coefficients

Standard Error: 3190000
 Relative Standard Error: 3.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.13417	4.0	1198958.0	1.073359	Y
2	IC 480-604656/4	0.5	0.559568	4.0	1275012.0	1.119136	Y
3	IC 480-604656/5	1.0	1.168252	4.0	1226787.0	1.168252	Y
4	IC 480-604656/6	2.0	2.347488	4.0	1312390.0	1.173744	Y
5	ICIS 480-604656/7	4.0	4.730011	4.0	1287219.0	1.182503	Y
6	IC 480-604656/8	8.0	9.601501	4.0	1333574.0	1.200188	Y
7	IC 480-604656/9	12.0	13.828105	4.0	1339129.0	1.152342	Y
8	IC 480-604656/10	16.0	18.741479	4.0	1288557.0	1.171342	Y



Calibration

/ Benzo[k]fluoranthene

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

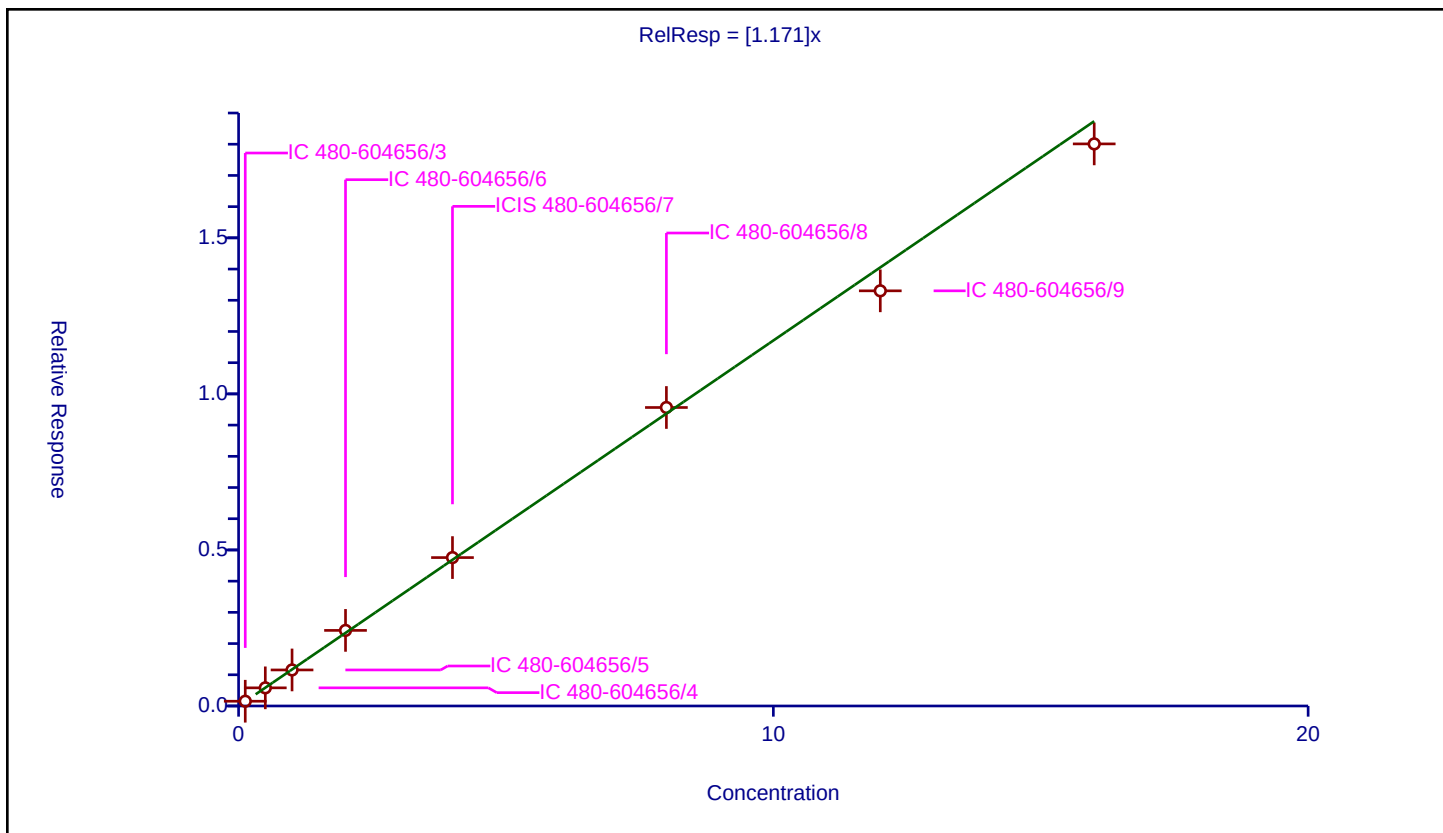
Curve Coefficients

Intercept: 0
 Slope: 1.171

Error Coefficients

Standard Error: 3090000
 Relative Standard Error: 3.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.152676	4.0	1198958.0	1.221407	Y
2	IC 480-604656/4	0.5	0.58114	4.0	1275012.0	1.162279	Y
3	IC 480-604656/5	1.0	1.155187	4.0	1226787.0	1.155187	Y
4	IC 480-604656/6	2.0	2.42167	4.0	1312390.0	1.210835	Y
5	ICIS 480-604656/7	4.0	4.75584	4.0	1287219.0	1.18896	Y
6	IC 480-604656/8	8.0	9.564629	4.0	1333574.0	1.195579	Y
7	IC 480-604656/9	12.0	13.302303	4.0	1339129.0	1.108525	Y
8	IC 480-604656/10	16.0	18.010323	4.0	1288557.0	1.125645	Y



Calibration

/ Benzo[a]pyrene

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

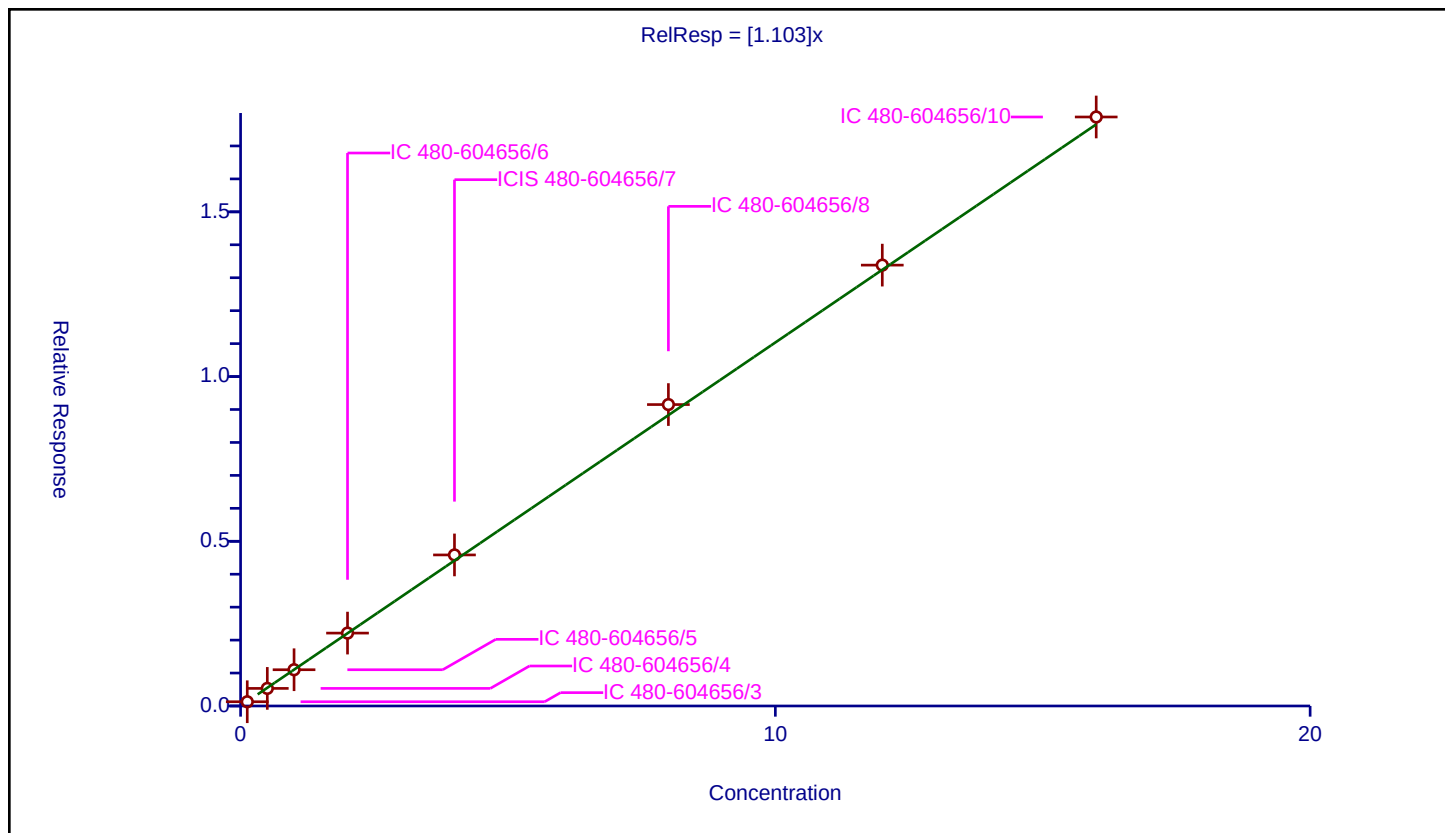
Curve Coefficients

Intercept: 0
 Slope: 1.103

Error Coefficients

Standard Error: 3060000
 Relative Standard Error: 3.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.128702	4.0	1198958.0	1.029614	Y
2	IC 480-604656/4	0.5	0.534166	4.0	1275012.0	1.068332	Y
3	IC 480-604656/5	1.0	1.100338	4.0	1226787.0	1.100338	Y
4	IC 480-604656/6	2.0	2.212687	4.0	1312390.0	1.106343	Y
5	ICIS 480-604656/7	4.0	4.585296	4.0	1287219.0	1.146324	Y
6	IC 480-604656/8	8.0	9.150214	4.0	1333574.0	1.143777	Y
7	IC 480-604656/9	12.0	13.382621	4.0	1339129.0	1.115218	Y
8	IC 480-604656/10	16.0	17.879774	4.0	1288557.0	1.117486	Y



Calibration

/ Indeno[1,2,3-cd]pyrene

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

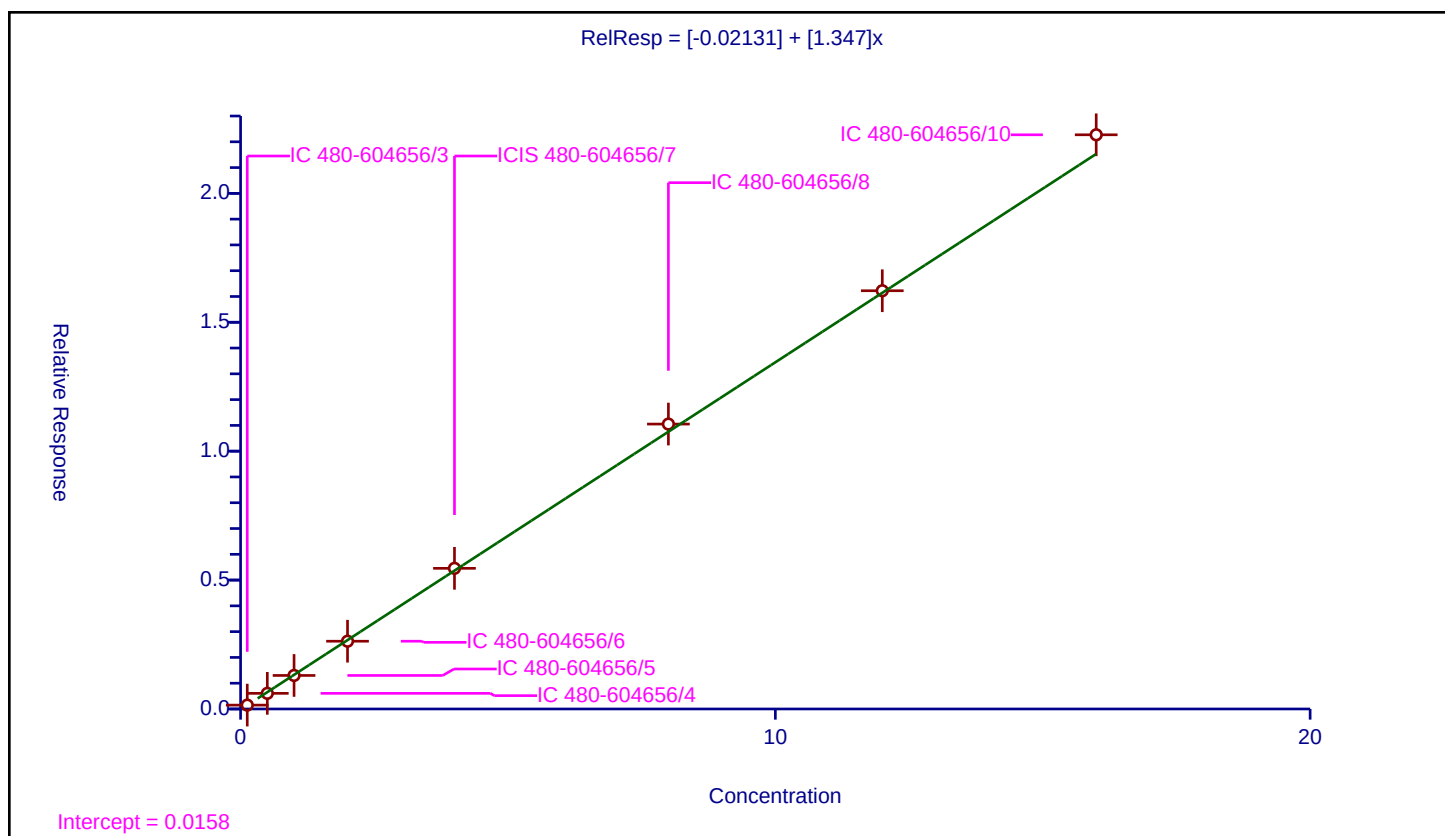
Curve Coefficients

Intercept: -0.02131
Slope: 1.347

Error Coefficients

Standard Error: 4050000
Relative Standard Error: 3.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.150264	4.0	1198958.0	1.20211	Y
2	IC 480-604656/4	0.5	0.606153	4.0	1275012.0	1.212305	Y
3	IC 480-604656/5	1.0	1.300767	4.0	1226787.0	1.300767	Y
4	IC 480-604656/6	2.0	2.628639	4.0	1312390.0	1.31432	Y
5	ICIS 480-604656/7	4.0	5.455699	4.0	1287219.0	1.363925	Y
6	IC 480-604656/8	8.0	11.051658	4.0	1333574.0	1.381457	Y
7	IC 480-604656/9	12.0	16.223518	4.0	1339129.0	1.35196	Y
8	IC 480-604656/10	16.0	22.27135	4.0	1288557.0	1.391959	Y



Calibration

/ Dibenz(a,h)anthracene

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

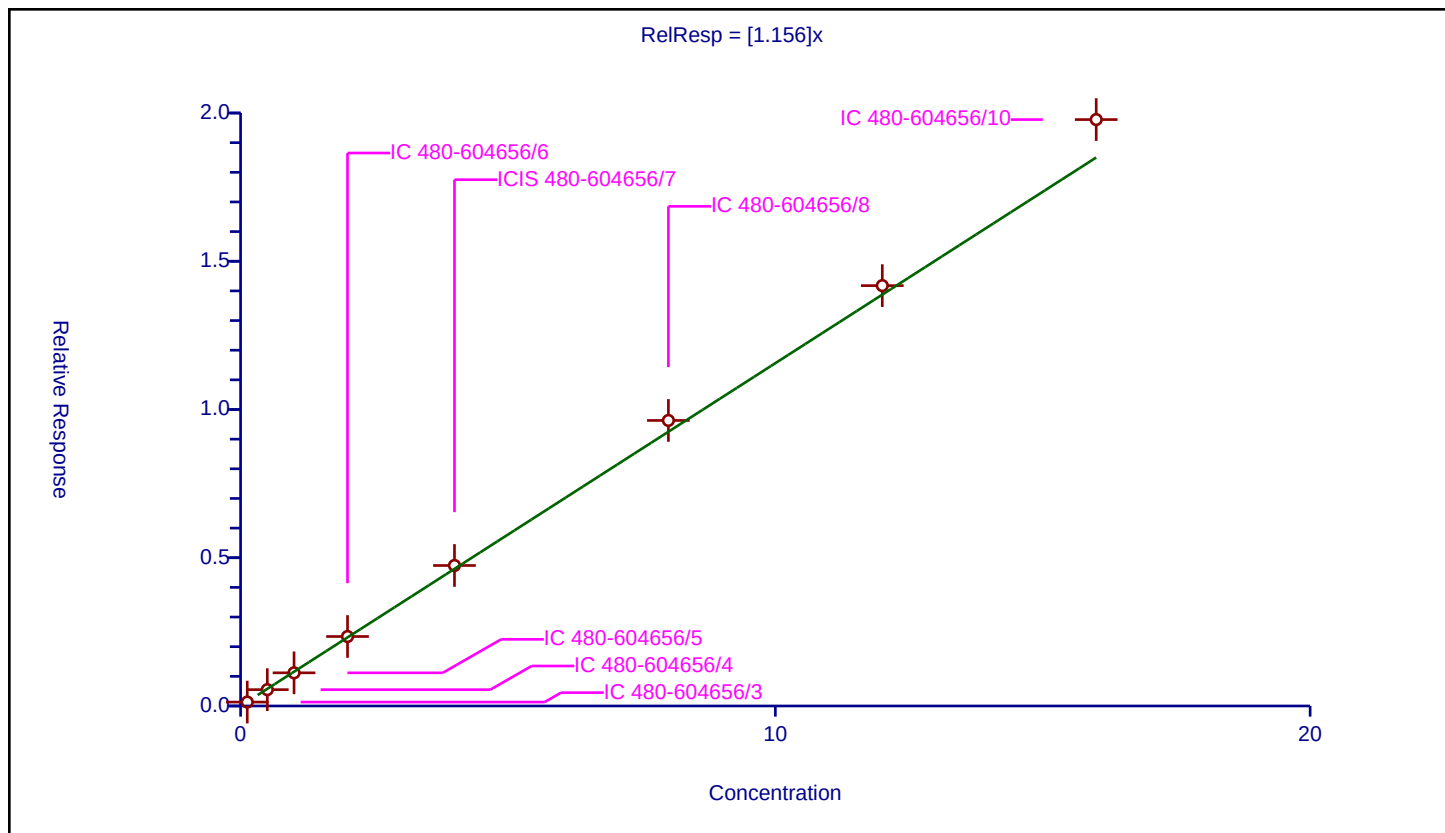
Curve Coefficients

Intercept: 0
 Slope: 1.156

Error Coefficients

Standard Error: 3310000
 Relative Standard Error: 5.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.131501	4.0	1198958.0	1.052007	Y
2	IC 480-604656/4	0.5	0.550897	4.0	1275012.0	1.101794	Y
3	IC 480-604656/5	1.0	1.11817	4.0	1226787.0	1.11817	Y
4	IC 480-604656/6	2.0	2.343099	4.0	1312390.0	1.17155	Y
5	ICIS 480-604656/7	4.0	4.738858	4.0	1287219.0	1.184714	Y
6	IC 480-604656/8	8.0	9.630152	4.0	1333574.0	1.203769	Y
7	IC 480-604656/9	12.0	14.17804	4.0	1339129.0	1.181503	Y
8	IC 480-604656/10	16.0	19.778673	4.0	1288557.0	1.236167	Y



Calibration

/ Benzo[g,h,i]perylene

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

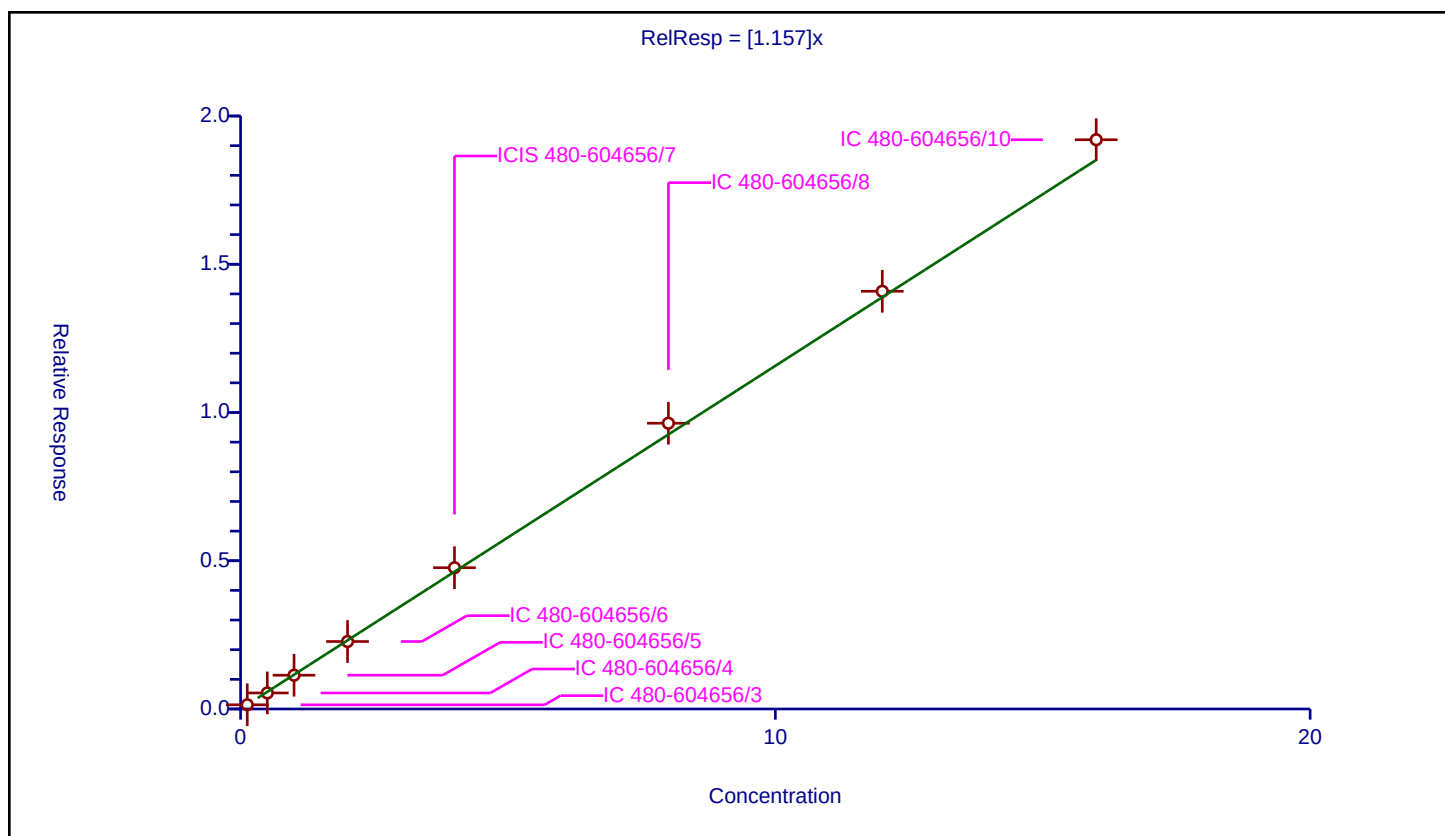
Curve Coefficients

Intercept: 0
 Slope: 1.157

Error Coefficients

Standard Error: 3250000
 Relative Standard Error: 3.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.141246	4.0	1198958.0	1.129968	Y
2	IC 480-604656/4	0.5	0.540745	4.0	1275012.0	1.081489	Y
3	IC 480-604656/5	1.0	1.139435	4.0	1226787.0	1.139435	Y
4	IC 480-604656/6	2.0	2.276211	4.0	1312390.0	1.138105	Y
5	ICIS 480-604656/7	4.0	4.764582	4.0	1287219.0	1.191145	Y
6	IC 480-604656/8	8.0	9.638838	4.0	1333574.0	1.204855	Y
7	IC 480-604656/9	12.0	14.088623	4.0	1339129.0	1.174052	Y
8	IC 480-604656/10	16.0	19.200349	4.0	1288557.0	1.200022	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Lab Sample ID (1): ICIS 480-604656/7 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25 (mm) Date Analyzed (1): 11/12/2021 13:12

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.88	19.80

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Lab Sample ID (1): CCVIS 480-607479/3 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25 (mm) Date Analyzed (1): 12/03/2021 10:15

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.61	20.00

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Lab Sample ID: ICV 480-604656/11 Calibration Date: 11/12/2021 15:00

Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33

Lab File ID: Y02826644.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3680	0.3884	0.0100	4220	4000	5.5	30.0
N-Nitrosodimethylamine	Ave	0.4387	0.4562	0.0100	4160	4000	4.0	50.0
Pyridine	Ave	0.4722	0.4650	0.0100	7880	8000	-1.5	50.0
Benzaldehyde	Lin2		0.8033	0.0100	9220	8000	15.2	50.0
Phenol	Ave	1.263	1.297	0.8000	4110	4000	2.7	30.0
Aniline	Ave	1.545	1.490	0.0100	3860	4000	-3.5	30.0
Bis(2-chloroethyl)ether	Ave	0.8938	0.9858	0.7000	4410	4000	10.3	30.0
2-Chlorophenol	Ave	1.229	1.277	0.8000	4160	4000	3.9	30.0
n-Decane	Ave	0.8272	0.8592	0.0100	4150	4000	3.9	30.0
1,3-Dichlorobenzene	Ave	1.480	1.487	0.0100	4020	4000	0.5	30.0
1,4-Dichlorobenzene	Ave	1.497	1.508	0.0100	4030	4000	0.7	30.0
Benzyl alcohol	Lin2		0.6862	0.0100	3970	4000	-0.7	30.0
1,2-Dichlorobenzene	Ave	1.429	1.464	0.0100	4100	4000	2.5	30.0
2-Methylphenol	Ave	1.015	1.084	0.7000	4270	4000	6.8	30.0
bis (2-chloroisopropyl) ether	Ave	0.8598	0.8894	0.0100	4140	4000	3.4	30.0
Indene	Ave	2.095	2.200	0.0100	21000	20000	5.0	30.0
4-Methylphenol	Ave	1.055	1.111	0.6000	4210	4000	5.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.5933	0.6555	0.5000	4420	4000	10.5	30.0
Acetophenone	Ave	1.446	1.532	0.0100	4240	4000	6.0	30.0
Hexachloroethane	Ave	0.5408	0.5414	0.3000	4000	4000	0.1	30.0
Nitrobenzene	Ave	0.2821	0.3060	0.2000	4340	4000	8.5	30.0
Isophorone	Lin2		0.5462	0.4000	4430	4000	10.7	30.0
2-Nitrophenol	Lin2		0.2036	0.1000	4340	4000	8.4	30.0
2,4-Dimethylphenol	Lin2		0.3197	0.2000	4220	4000	5.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.2926	0.3398	0.3000	4640	4000	16.1	30.0
Benzoic acid	Lin2		0.2023	0.0100	21600	20000	7.9	50.0
2,4-Dichlorophenol	Ave	0.2976	0.3251	0.2000	4370	4000	9.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3720	0.0100	4420	4000	10.4	30.0
Naphthalene	Lin2		1.031	0.7000	4120	4000	3.0	30.0
4-Chloroaniline	Ave	0.3582	0.3920	0.0100	4380	4000	9.4	30.0
2,6-Dichlorophenol	Ave	0.3006	0.3259	0.0100	4340	4000	8.4	30.0
Hexachlorobutadiene	Ave	0.2325	0.2451	0.0100	4220	4000	5.4	30.0
Caprolactam	Lin2		0.0938	0.0100	8470	8000	5.8	50.0
4-Chloro-3-methylphenol	Ave	0.2543	0.2791	0.2000	4390	4000	9.8	30.0
2-Methylnaphthalene	Ave	0.7072	0.7468	0.4000	4220	4000	5.6	30.0
1-Methylnaphthalene	Ave	0.6464	0.6726	0.0100	4160	4000	4.1	30.0
Hexachlorocyclopentadiene	Lin2		0.4213	0.0500	3870	4000	-3.1	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6488	0.6820	0.0100	4200	4000	5.1	30.0
2,4,6-Trichlorophenol	Lin2		0.3901	0.2000	3910	4000	-2.3	30.0
2,4,5-Trichlorophenol	Lin2		0.4168	0.2000	4170	4000	4.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Lab Sample ID: ICV 480-604656/11 Calibration Date: 11/12/2021 15:00

Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33

Lab File ID: Y02826644.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.422	1.458	0.0100	4100	4000	2.5	30.0
2-Chloronaphthalene	Ave	1.074	1.058	0.8000	3940	4000	-1.5	30.0
2-Nitroaniline	Lin2		0.2448	0.0100	4230	4000	5.8	30.0
Dimethyl phthalate	Ave	1.192	1.299	0.0100	4360	4000	9.0	30.0
1,3-Dinitrobenzene	Lin2		0.1289	0.0100	4430	4000	10.8	30.0
2,6-Dinitrotoluene	Lin2		0.3065	0.2000	4290	4000	7.2	30.0
Acenaphthylene	Ave	1.758	1.799	0.9000	4090	4000	2.3	30.0
3-Nitroaniline	Lin2		0.2984	0.0100	4120	4000	2.9	30.0
2,4-Dinitrophenol	Lin2		0.1665	0.0100	8280	8000	3.5	30.0
Acenaphthene	Ave	1.170	1.241	0.9000	4240	4000	6.1	30.0
4-Nitrophenol	Lin2		0.1548	0.0100	8540	8000	6.8	30.0
2,4-Dinitrotoluene	Lin2		0.3976	0.2000	4110	4000	2.8	30.0
Dibenzofuran	Ave	1.611	1.633	0.8000	4060	4000	1.4	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3745	0.0100	4420	4000	10.4	30.0
Hexadecane	Ave	0.4655	0.4954	0.0100	4260	4000	6.4	30.0
Diethyl phthalate	Ave	1.207	1.254	0.0100	4160	4000	3.9	30.0
4-Chlorophenyl phenyl ether	Ave	0.6675	0.7217	0.4000	4320	4000	8.1	30.0
4-Nitroaniline	Lin2		0.3165	0.0100	4140	4000	3.6	30.0
Fluorene	Ave	1.261	1.334	0.9000	4230	4000	5.9	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1364	0.0100	8980	8000	12.2	30.0
Diphenylamine	Ave	0.5874	0.6385	0.0100	3720	3420	8.7	30.0
N-Nitrosodiphenylamine	Ave	0.5022	0.5459	0.0100	4350	4000	8.7	30.0
1,2-Diphenylhydrazine	Ave	0.5065	0.5485	0.0100	4330	4000	8.3	30.0
trans-Azobenzene	Ave	0.5065	0.5485	0.0100	4330	4000	8.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2539	0.2704	0.1000	4260	4000	6.5	30.0
Hexachlorobenzene	Ave	0.3169	0.3404	0.1000	4300	4000	7.4	30.0
Atrazine	Ave	0.3758	0.3941	0.0100	8390	8000	4.9	30.0
n-Octadecane	Ave	0.2663	0.2841	0.0100	4270	4000	6.7	30.0
Pentachlorophenol	Lin2		0.1679	0.0500	9240	8000	15.5	30.0
Phenanthrene	Ave	1.041	1.100	0.7000	4230	4000	5.7	30.0
Anthracene	Ave	1.031	1.126	0.7000	4370	4000	9.3	30.0
Carbazole	Ave	0.8834	0.9263	0.0100	4190	4000	4.9	30.0
Di-n-butyl phthalate	Ave	1.128	1.211	0.0100	4290	4000	7.3	30.0
Fluoranthene	Ave	1.157	1.249	0.6000	4320	4000	8.0	30.0
Benidine	Ave	0.5912	0.5974	0.0100	8080	8000	1.0	50.0
Pyrene	Ave	1.209	1.244	0.6000	4120	4000	3.0	30.0
Butyl benzyl phthalate	Ave	0.5048	0.5592	0.0100	4430	4000	10.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7195	0.7635	0.0100	4240	4000	6.1	30.0
3,3'-Dichlorobenzidine	Ave	0.4935	0.5147	0.0100	8340	8000	4.3	50.0
Benzo[a]anthracene	Ave	1.210	1.241	0.8000	4100	4000	2.6	30.0
Chrysene	Ave	1.152	1.206	0.7000	4190	4000	4.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Lab Sample ID: ICV 480-604656/11 Calibration Date: 11/12/2021 15:00
 Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33
 Lab File ID: Y02826644.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.261	0.0100	4090	4000	2.3	30.0
Benzo[b]fluoranthene	Ave	1.155	1.218	0.7000	4220	4000	5.4	30.0
Benzo[k]fluoranthene	Ave	1.171	1.211	0.7000	4140	4000	3.4	30.0
Benzo[a]pyrene	Ave	1.103	1.117	0.7000	4050	4000	1.3	30.0
Indeno[1,2,3-cd]pyrene	Lin2		1.413	0.5000	4210	4000	5.3	30.0
Dibenz(a,h)anthracene	Ave	1.156	1.231	0.4000	4260	4000	6.4	30.0
Benzo[g,h,i]perylene	Ave	1.157	1.206	0.5000	4170	4000	4.2	30.0
2-Fluorophenol (Surr)	Ave	1.072	1.104	0.0100	8230	8000	2.9	30.0
Phenol-d5 (Surr)	Ave	1.235	1.265	0.0100	8200	8000	2.5	30.0
Nitrobenzene-d5 (Surr)	Ave	0.3295	0.3403	0.0100	4130	4000	3.3	30.0
2-Fluorobiphenyl	Ave	1.356	1.411	0.0100	4160	4000	4.1	30.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1652	0.0100	8210	8000	2.6	30.0
p-Terphenyl-d14 (Surr)	Ave	1.044	1.031	0.0100	3950	4000	-1.2	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D

Lims ID: ICV - List 1 - 4

Client ID:

Sample Type: ICV

Inject. Date: 12-Nov-2021 15:00:30

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Sample Info: 480-0102375-011

Operator ID: JM

Instrument ID: HP5973Y

Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m

Limit Group: MB - 8270D ICAL

Last Update: 15-Nov-2021 09:59:24

Calib Date: 12-Nov-2021 18:10:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D

Column 1 : RXI-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:20:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.626	0.000	92	311454	4.00	4.00	
* 2 Naphthalene-d8	136	7.718	7.716	0.002	98	1087237	4.00	4.00	
* 3 Acenaphthene-d10	164	9.208	9.205	0.003	89	676673	4.00	4.00	
* 4 Phenanthrene-d10	188	10.471	10.471	0.000	94	1201082	4.00	4.00	
* 5 Chrysene-d12	240	13.251	13.246	0.005	97	1197768	4.00	4.00	
* 6 Perylene-d12	264	15.519	15.516	0.003	98	1313357	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.482	5.482	0.000	89	687622	8.00	8.23	
\$ 8 Phenol-d5	99	6.282	6.282	0.000	0	788228	8.00	8.20	
\$ 9 Nitrobenzene-d5	82	7.094	7.094	0.000	87	370001	4.00	4.13	M
\$ 10 2-Fluorobiphenyl	172	8.606	8.603	0.003	99	954934	4.00	4.16	
\$ 11 2,4,6-Tribromophenol	330	9.872	9.872	0.000	90	396936	8.00	8.21	
\$ 12 p-Terphenyl-d14	244	11.884	11.883	0.001	96	1235416	4.00	3.95	
13 1,4-Dioxane	88	3.700	3.700	0.000	88	120963	4.00	4.22	
14 N-Nitrosodimethylamine	42	4.086	4.086	0.000	91	142087	4.00	4.16	
15 Pyridine	52	4.131	4.131	0.000	97	289627	8.00	7.88	
35 Benzaldehyde	77	6.251	6.251	0.000	93	500361	8.00	9.22	
37 Phenol	94	6.294	6.293	0.001	98	403963	4.00	4.11	
36 Aniline	93	6.339	6.342	-0.003	98	464171	4.00	3.86	
39 Bis(2-chloroethyl)ether	93	6.370	6.373	-0.003	98	307033	4.00	4.41	
40 2-Chlorophenol	128	6.453	6.449	0.004	93	397714	4.00	4.16	
41 n-Decane	57	6.455	6.455	0.000	85	267601	4.00	4.15	
43 1,3-Dichlorobenzene	146	6.583	6.583	0.000	98	463107	4.00	4.02	
44 1,4-Dichlorobenzene	146	6.640	6.642	-0.002	95	469536	4.00	4.03	
45 Benzyl alcohol	108	6.728	6.725	0.003	94	213735	4.00	3.97	
46 1,2-Dichlorobenzene	146	6.776	6.779	-0.003	98	455868	4.00	4.10	
48 2-Methylphenol	108	6.807	6.810	-0.003	93	337704	4.00	4.27	
49 2,2'-oxybis[1-chloropropane]	45	6.833	6.830	0.003	84	276995	4.00	4.14	
47 Indene	115	6.855	6.855	0.000	87	3426678	20.0	21.0	
57 4-Methylphenol	108	6.932	6.932	0.000	96	345948	4.00	4.21	
53 N-Nitrosodi-n-propylamine	70	6.941	6.940	0.001	83	204144	4.00	4.42	
52 Acetophenone	105	6.955	6.955	0.001	95	477194	4.00	4.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.071	7.074	-0.003	89	168636	4.00	4.00	
59 Nitrobenzene	77	7.108	7.111	-0.003	84	332707	4.00	4.34	
62 Isophorone	82	7.301	7.301	0.000	98	593832	4.00	4.43	
64 2-Nitrophenol	139	7.380	7.380	0.000	89	221321	4.00	4.34	
66 2,4-Dimethylphenol	107	7.383	7.383	0.000	91	347544	4.00	4.22	
69 Bis(2-chloroethoxy)methane	93	7.457	7.457	0.000	97	369396	4.00	4.64	
70 Benzoic acid	105	7.483	7.477	0.006	88	1099484	20.0	21.6	M
72 2,4-Dichlorophenol	162	7.582	7.582	0.000	89	353493	4.00	4.37	
73 1,2,4-Trichlorobenzene	180	7.661	7.658	0.003	94	404407	4.00	4.42	
74 Naphthalene	128	7.735	7.735	0.000	97	1121308	4.00	4.12	
76 4-Chloroaniline	127	7.758	7.755	0.003	97	426188	4.00	4.38	
77 2,6-Dichlorophenol	162	7.772	7.772	0.000	95	354343	4.00	4.34	
79 Hexachlorobutadiene	225	7.826	7.828	-0.002	94	266536	4.00	4.22	
84 Caprolactam	113	8.056	8.053	0.003	86	203885	8.00	8.47	
85 4-Chloro-3-methylphenol	107	8.144	8.143	0.001	94	303501	4.00	4.39	
87 2-Methylnaphthalene	142	8.314	8.314	0.000	93	811952	4.00	4.22	
89 1-Methylnaphthalene	142	8.402	8.402	0.000	93	731277	4.00	4.16	
90 Hexachlorocyclopentadiene	237	8.447	8.447	0.000	91	285087	4.00	3.87	
91 1,2,4,5-Tetrachlorobenzene	216	8.459	8.458	0.001	95	461459	4.00	4.20	
93 2,4,6-Trichlorophenol	196	8.541	8.544	-0.003	88	263993	4.00	3.91	
94 2,4,5-Trichlorophenol	196	8.581	8.578	0.003	95	282034	4.00	4.17	
96 1,1'-Biphenyl	154	8.697	8.697	0.000	95	986305	4.00	4.10	
97 2-Chloronaphthalene	162	8.734	8.731	0.003	95	715663	4.00	3.94	
100 2-Nitroaniline	65	8.796	8.796	0.000	92	165624	4.00	4.23	
105 Dimethyl phthalate	163	8.921	8.918	0.003	99	879314	4.00	4.36	
106 1,3-Dinitrobenzene	168	8.964	8.961	0.003	95	140136	4.00	4.43	
107 2,6-Dinitrotoluene	165	8.984	8.983	0.001	93	207383	4.00	4.29	
108 Acenaphthylene	152	9.091	9.091	0.000	97	1217330	4.00	4.09	
109 3-Nitroaniline	138	9.140	9.139	0.001	95	201898	4.00	4.12	
111 2,4-Dinitrophenol	184	9.222	9.225	-0.003	84	225322	8.00	8.28	a
110 Acenaphthene	153	9.236	9.236	0.000	93	839698	4.00	4.24	
112 4-Nitrophenol	109	9.253	9.253	0.000	83	209457	8.00	8.54	
114 2,4-Dinitrotoluene	165	9.330	9.330	0.000	94	269033	4.00	4.11	
115 Dibenzofuran	168	9.378	9.378	0.000	98	1105194	4.00	4.06	
118 2,3,4,6-Tetrachlorophenol	232	9.472	9.469	0.003	68	253389	4.00	4.42	
121 Hexadecane	57	9.497	9.497	0.000	96	335253	4.00	4.26	
120 Diethyl phthalate	149	9.506	9.506	0.000	99	848842	4.00	4.16	
123 4-Chlorophenyl phenyl ether	204	9.639	9.639	0.000	86	488368	4.00	4.32	
126 4-Nitroaniline	138	9.659	9.659	0.000	91	214160	4.00	4.14	
124 Fluorene	166	9.668	9.667	0.001	93	902999	4.00	4.23	
127 4,6-Dinitro-2-methylphenol	198	9.682	9.679	0.003	94	327710	8.00	8.98	
130 N-Nitrosodiphenylamine	169	9.733	9.733	0.000	76	655653	4.00	4.35	
129 Diphenylamine	169	9.733	9.733	0.000	93	655653	3.42	3.72	
131 1,2-Diphenylhydrazine	77	9.775	9.775	0.000	41	658790	4.00	4.33	
132 Azobenzene	77	9.775	9.775	0.000	97	658790	4.00	4.33	
139 4-Bromophenyl phenyl ether	248	10.056	10.056	0.000	58	324822	4.00	4.26	
140 Hexachlorobenzene	284	10.144	10.144	0.000	96	408880	4.00	4.30	
143 Atrazine	200	10.153	10.150	0.003	95	533315	8.00	8.39	
148 n-Octadecane	57	10.269	10.266	0.003	97	341200	4.00	4.27	
145 Pentachlorophenol	266	10.297	10.297	0.000	95	403318	8.00	9.24	
151 Phenanthrene	178	10.490	10.490	0.000	95	1321131	4.00	4.23	
152 Anthracene	178	10.533	10.533	0.000	95	1352548	4.00	4.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.649	10.649	0.000	96	1112593	4.00	4.19	
157 Di-n-butyl phthalate	149	10.871	10.870	0.001	99	1454584	4.00	4.29	
164 Fluoranthene	202	11.546	11.546	0.000	97	1500477	4.00	4.32	
166 Benzidine	184	11.628	11.631	-0.003	98	1431008	8.00	8.08	
167 Pyrene	202	11.787	11.787	0.000	97	1490617	4.00	4.12	
174 Butyl benzyl phthalate	149	12.392	12.391	0.001	93	669806	4.00	4.43	
181 Bis(2-ethylhexyl) phthalate	149	13.115	13.115	0.000	92	914452	4.00	4.24	
179 3,3'-Dichlorobenzidine	252	13.152	13.152	0.000	72	1233073	8.00	8.34	
180 Benzo[a]anthracene	228	13.234	13.234	0.000	96	1486542	4.00	4.10	
182 Chrysene	228	13.288	13.288	0.000	96	1444370	4.00	4.19	
184 Di-n-octyl phthalate	149	14.089	14.091	-0.003	98	1509800	4.00	4.09	
186 Benzo[b]fluoranthene	252	14.886	14.883	0.003	96	1599619	4.00	4.22	
187 Benzo[k]fluoranthene	252	14.928	14.928	0.000	97	1590022	4.00	4.14	
189 Benzo[a]pyrene	252	15.428	15.428	0.000	76	1467551	4.00	4.05	
193 Indeno[1,2,3-cd]pyrene	276	17.431	17.431	0.000	97	1855155	4.00	4.21	
194 Dibenz(a,h)anthracene	278	17.443	17.442	0.001	91	1616408	4.00	4.26	
195 Benzo[g,h,i]perylene	276	17.999	17.996	0.003	97	1583853	4.00	4.17	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1SSLV_WRK_00043

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 09:59:28

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D

Injection Date: 12-Nov-2021 15:00:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: ICV - List 1 - 4

Worklist Smp#: 11

Client ID:

Injection Vol: 2.0 ul

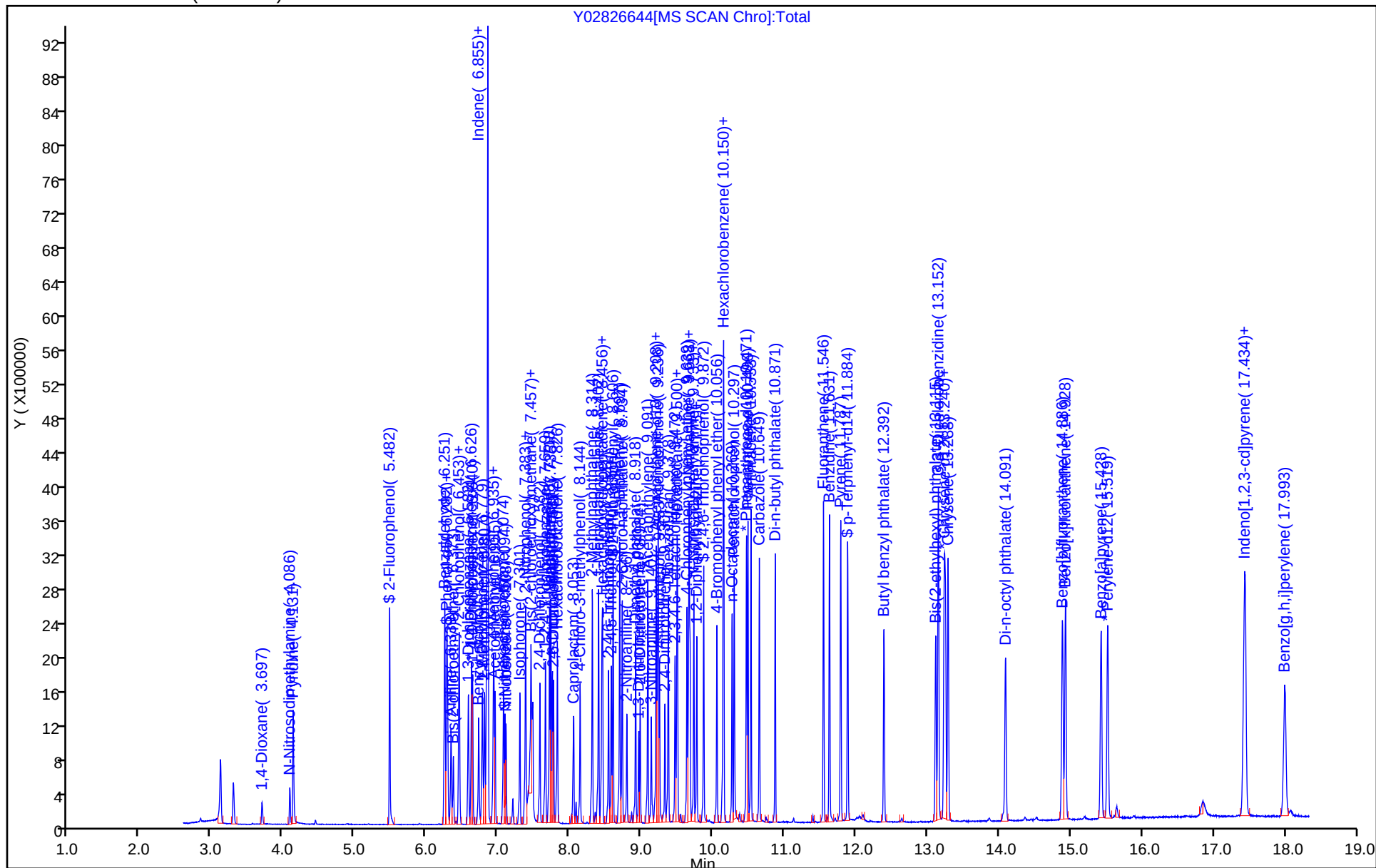
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D

Injection Date: 12-Nov-2021 15:00:30

Instrument ID: HP5973Y

Lims ID: ICV - List 1 - 4

Client ID:

Operator ID: JM

ALS Bottle#:

11

Worklist Smp#: 11

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

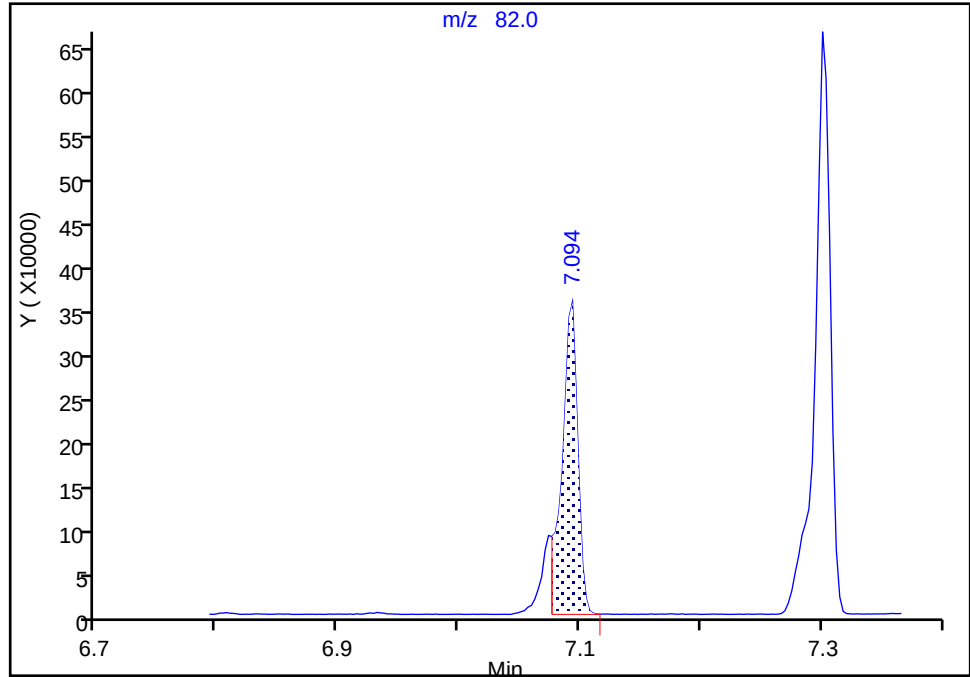
MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

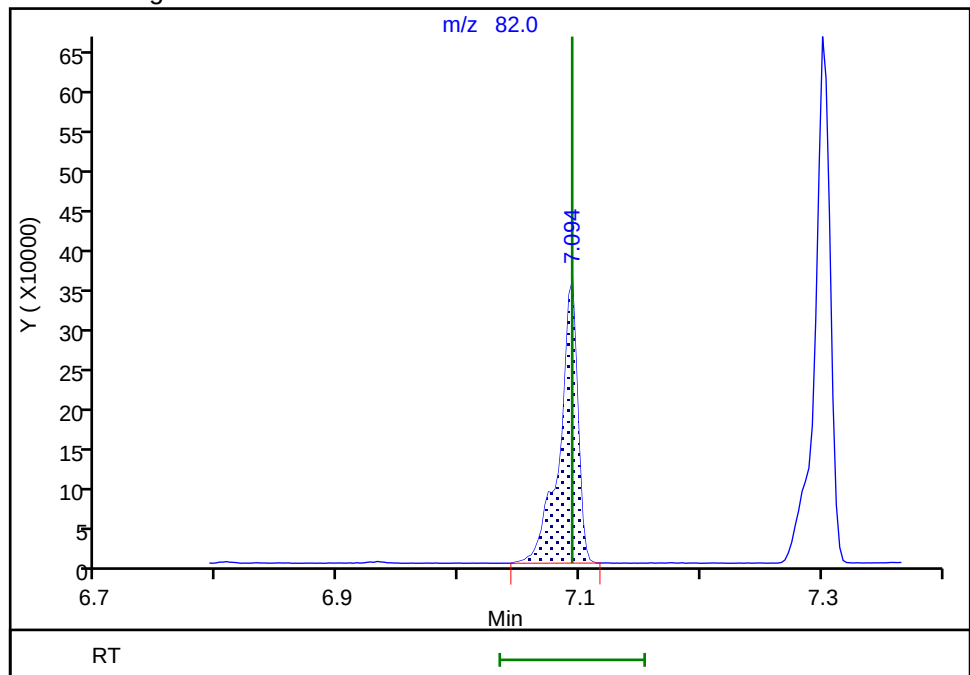
RT: 7.09
Area: 322674
Amount: 3.603303
Amount Units: ng/uL

Processing Integration Results



RT: 7.09
Area: 370001
Amount: 4.131805
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:43:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

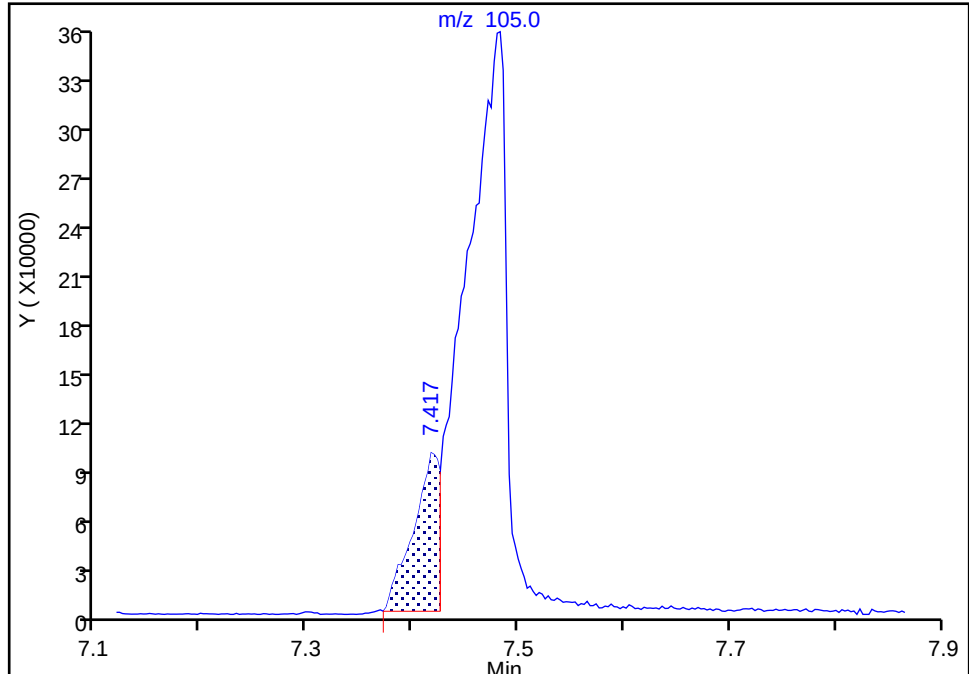
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D
Injection Date: 12-Nov-2021 15:00:30 Instrument ID: HP5973Y
Lims ID: ICV - List 1 - 4
Client ID:
Operator ID: JM ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

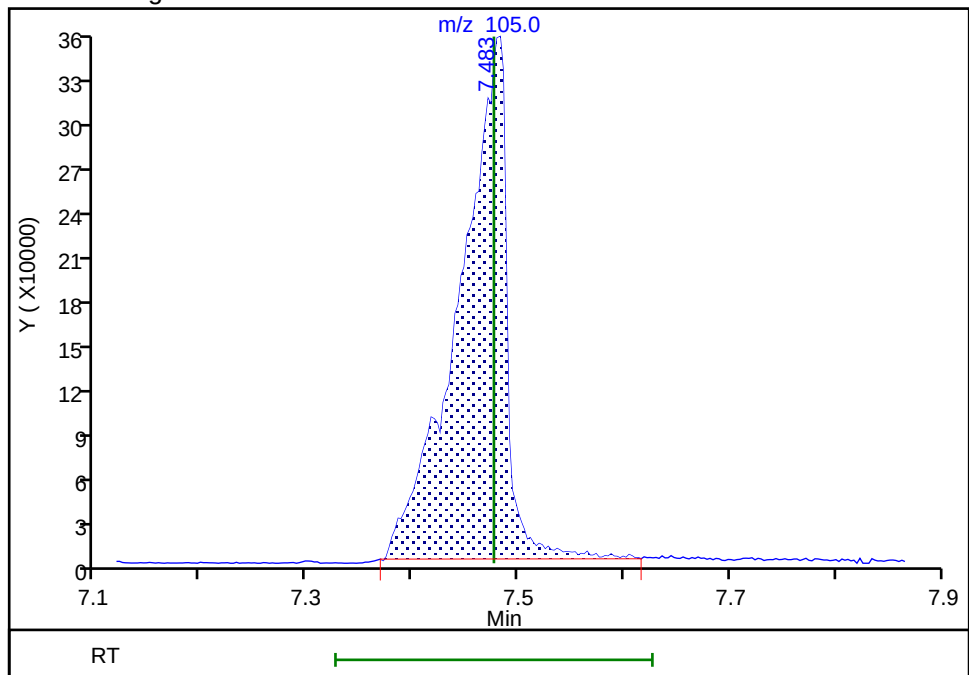
RT: 7.42
Area: 166396
Amount: 4.784758
Amount Units: ng/uL

Processing Integration Results



RT: 7.48
Area: 1099484
Amount: 21.578308
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:44:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 608 of 702

12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D

Injection Date: 12-Nov-2021 15:00:30

Instrument ID: HP5973Y

Lims ID: ICV - List 1 - 4

Client ID:

Operator ID: JM

ALS Bottle#:

11

Worklist Smp#: 11

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

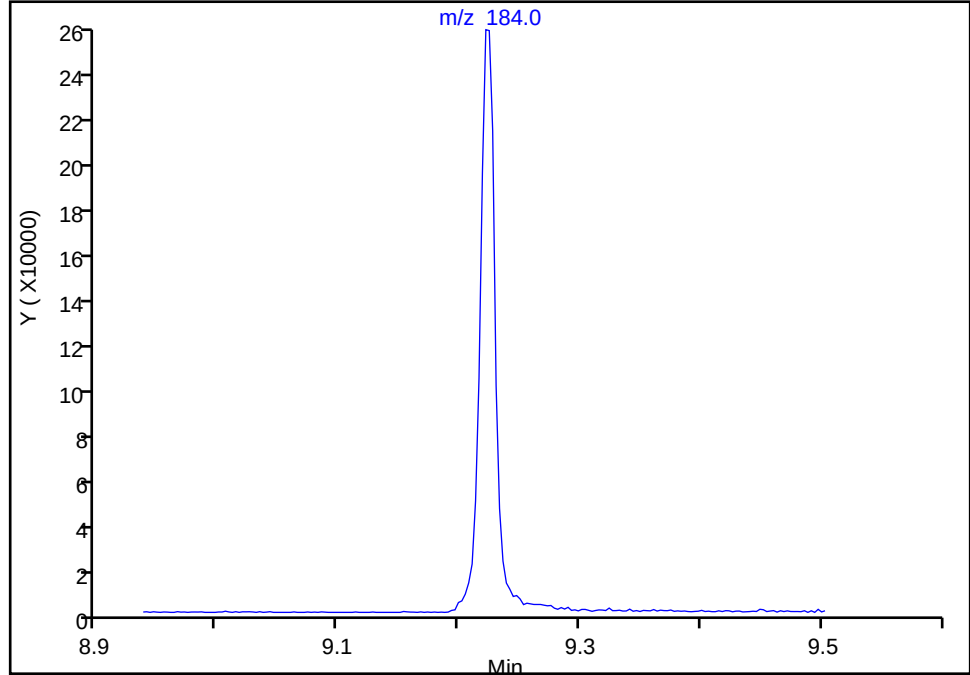
111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

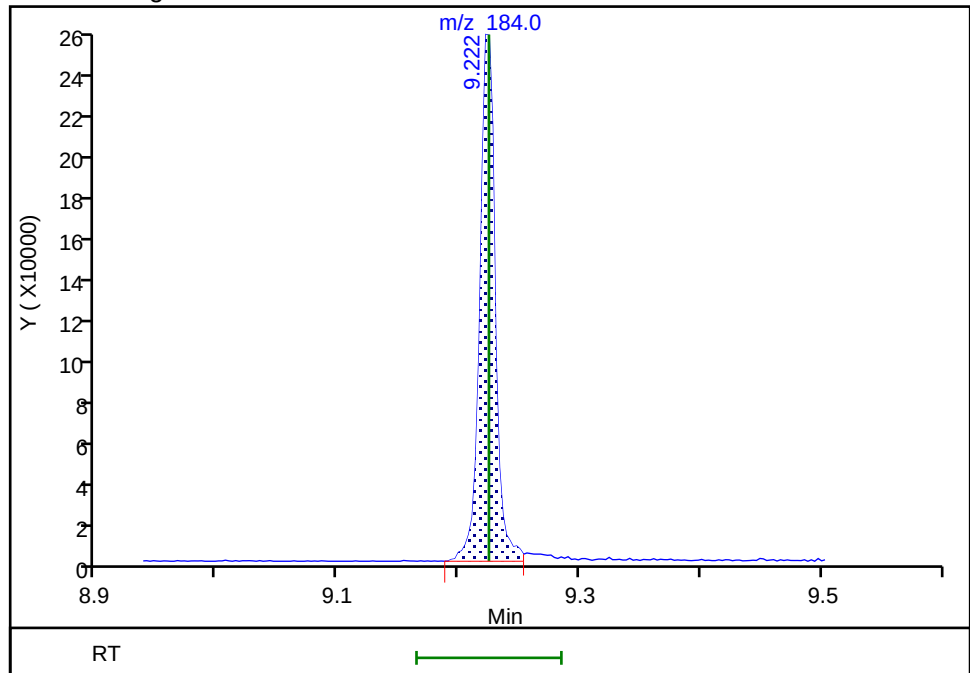
Not Detected

Expected RT: 9.22

Processing Integration Results



Manual Integration Results



RT: 9.22

Area: 225322

Amount: 8.282139

Amount Units: ng/uL

Reviewer: marshallj, 12-Nov-2021 15:43:13

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Lab Sample ID: CCVIS 480-607479/3 Calibration Date: 12/03/2021 10:15

Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33

Lab File ID: Y02827363.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3680	0.3483	0.0100	3790	4000	-5.3	20.0
N-Nitrosodimethylamine	Ave	0.4387	0.4173	0.0100	3810	4000	-4.9	50.0
Pyridine	Ave	0.4722	0.4009	0.0100	6790	8000	-15.1	50.0
Benzaldehyde	Lin2		0.7448	0.0100	8540	8000	6.7	50.0
Phenol	Ave	1.263	1.238	0.8000	3920	4000	-2.0	20.0
Aniline	Ave	1.545	1.398	0.0100	3620	4000	-9.5	20.0
Bis(2-chloroethyl)ether	Ave	0.8938	0.9063	0.7000	4060	4000	1.4	20.0
n-Decane	Ave	0.8272	0.7182	0.0100	3470	4000	-13.2	20.0
2-Chlorophenol	Ave	1.229	1.262	0.8000	4110	4000	2.7	20.0
1,3-Dichlorobenzene	Ave	1.480	1.499	0.0100	4050	4000	1.3	20.0
1,4-Dichlorobenzene	Ave	1.497	1.558	0.0100	4160	4000	4.0	20.0
Benzyl alcohol	Lin2		0.6405	0.0100	3710	4000	-7.3	20.0
1,2-Dichlorobenzene	Ave	1.429	1.444	0.0100	4040	4000	1.1	20.0
2-Methylphenol	Ave	1.015	0.9684	0.7000	3820	4000	-4.6	20.0
bis (2-chloroisopropyl) ether	Ave	0.8598	0.6951	0.0100	3230	4000	-19.1	20.0
Indene	Ave	2.095	2.141	0.0100	20400	20000	2.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.5933	0.5817	0.5000	3920	4000	-2.0	20.0
4-Methylphenol	Ave	1.055	1.010	0.6000	3830	4000	-4.2	20.0
Acetophenone	Ave	1.446	1.443	0.0100	3990	4000	-0.2	20.0
Hexachloroethane	Ave	0.5408	0.5251	0.3000	3880	4000	-2.9	20.0
Nitrobenzene	Ave	0.2821	0.2776	0.2000	3940	4000	-1.6	20.0
Isophorone	Lin2		0.4708	0.4000	3820	4000	-4.6	20.0
2-Nitrophenol	Lin2		0.1898	0.1000	4050	4000	1.2	20.0
2,4-Dimethylphenol	Lin2		0.3227	0.2000	4260	4000	6.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.2926	0.2977*	0.3000	4070	4000	1.8	20.0
Benzoic acid	Lin2		0.1404	0.0100	15800	20000	-21.1	50.0
2,4-Dichlorophenol	Ave	0.2976	0.3180	0.2000	4270	4000	6.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3590	0.0100	4260	4000	6.6	20.0
Naphthalene	Lin2		1.015	0.7000	4050	4000	1.4	20.0
4-Chloroaniline	Ave	0.3582	0.3738	0.0100	4170	4000	4.3	20.0
2,6-Dichlorophenol	Ave	0.3006	0.3195	0.0100	4250	4000	6.3	20.0
Hexachlorobutadiene	Ave	0.2325	0.2600	0.0100	4470	4000	11.8	20.0
Caprolactam	Lin2		0.0853	0.0100	7720	8000	-3.5	50.0
4-Chloro-3-methylphenol	Ave	0.2543	0.2526	0.2000	3970	4000	-0.7	20.0
2-Methylnaphthalene	Ave	0.7072	0.7421	0.4000	4200	4000	4.9	20.0
1-Methylnaphthalene	Ave	0.6464	0.6679	0.0100	4130	4000	3.3	20.0
Hexachlorocyclopentadiene	Lin2		0.2963	0.0500	2760	4000	-31.0*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6488	0.6838	0.0100	4220	4000	5.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3880	0.2000	3880	4000	-2.9	20.0
2,4,5-Trichlorophenol	Lin2		0.4365	0.2000	4360	4000	9.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Lab Sample ID: CCVIS 480-607479/3 Calibration Date: 12/03/2021 10:15

Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33

Lab File ID: Y02827363.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.422	1.439	0.0100	4050	4000	1.2	20.0
2-Chloronaphthalene	Ave	1.074	1.165	0.8000	4340	4000	8.5	20.0
2-Nitroaniline	Lin2		0.2024	0.0100	3520	4000	-12.0	20.0
Dimethyl phthalate	Ave	1.192	1.273	0.0100	4270	4000	6.8	20.0
1,3-Dinitrobenzene	Lin2		0.1188	0.0100	4100	4000	2.4	20.0
2,6-Dinitrotoluene	Lin2		0.2783	0.2000	3890	4000	-2.7	20.0
Acenaphthylene	Ave	1.758	1.746	0.9000	3970	4000	-0.7	20.0
3-Nitroaniline	Lin2		0.2669	0.0100	3690	4000	-7.7	20.0
2,4-Dinitrophenol	Lin2		0.1276	0.0100	6520	8000	-18.5	20.0
Acenaphthene	Ave	1.170	1.184	0.9000	4050	4000	1.2	20.0
4-Nitrophenol	Lin2		0.1352	0.0100	7520	8000	-6.0	20.0
2,4-Dinitrotoluene	Lin2		0.3837	0.2000	3970	4000	-0.7	20.0
Dibenzofuran	Ave	1.611	1.698	0.8000	4220	4000	5.4	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3270	0.0100	3880	4000	-3.1	20.0
Hexadecane	Ave	0.4655	0.4049	0.0100	3480	4000	-13.0	20.0
Diethyl phthalate	Ave	1.207	1.249	0.0100	4140	4000	3.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6675	0.7163	0.4000	4290	4000	7.3	20.0
4-Nitroaniline	Lin2		0.2788	0.0100	3650	4000	-8.7	20.0
Fluorene	Ave	1.261	1.322	0.9000	4200	4000	4.9	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1179	0.0100	7810	8000	-2.3	20.0
Diphenylamine	Ave	0.5874	0.6213	0.0100	3620	3420	5.8	20.0
N-Nitrosodiphenylamine	Ave	0.5022	0.5312	0.0100	4230	4000	5.8	20.0
1,2-Diphenylhydrazine	Ave	0.5065	0.4854	0.0100	3830	4000	-4.2	20.0
trans-Azobenzene	Ave	0.5065	0.4854	0.0100	3830	4000	-4.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2539	0.2769	0.1000	4360	4000	9.1	20.0
Hexachlorobenzene	Ave	0.3169	0.3628	0.1000	4580	4000	14.5	20.0
Atrazine	Ave	0.3758	0.4108	0.0100	8750	8000	9.3	20.0
n-Octadecane	Ave	0.2663	0.2255	0.0100	3390	4000	-15.3	20.0
Pentachlorophenol	Lin2		0.1096	0.0500	6260	8000	-21.7*	20.0
Phenanthrene	Ave	1.041	1.041	0.7000	4000	4000	-0.0	20.0
Anthracene	Ave	1.031	1.060	0.7000	4110	4000	2.8	20.0
Carbazole	Ave	0.8834	0.9052	0.0100	4100	4000	2.5	20.0
Di-n-butyl phthalate	Ave	1.128	1.145	0.0100	4060	4000	1.5	20.0
Fluoranthene	Ave	1.157	1.172	0.6000	4050	4000	1.3	20.0
Benidine	Ave	0.5912	0.5888	0.0100	7970	8000	-0.4	50.0
Pyrene	Ave	1.209	1.151	0.6000	3810	4000	-4.8	20.0
Butyl benzyl phthalate	Ave	0.5048	0.4784	0.0100	3790	4000	-5.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7195	0.6941	0.0100	3860	4000	-3.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4935	0.5243	0.0100	8500	8000	6.2	50.0
Benzo[a]anthracene	Ave	1.210	1.185	0.8000	3920	4000	-2.0	20.0
Chrysene	Ave	1.152	1.159	0.7000	4020	4000	0.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-607479/3 Calibration Date: 12/03/2021 10:15
 Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33
 Lab File ID: Y02827363.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.169	0.0100	3800	4000	-5.0	20.0
Benzo[b]fluoranthene	Ave	1.155	1.168	0.7000	4040	4000	1.1	20.0
Benzo[k]fluoranthene	Ave	1.171	1.169	0.7000	3990	4000	-0.2	20.0
Benzo[a]pyrene	Ave	1.103	1.128	0.7000	4090	4000	2.2	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.441	0.5000	4300	4000	7.4	20.0
Dibenz(a,h)anthracene	Ave	1.156	1.279	0.4000	4430	4000	10.6	20.0
Benzo[g,h,i]perylene	Ave	1.157	1.281	0.5000	4430	4000	10.7	20.0
2-Fluorophenol (Surr)	Ave	1.072	1.018	0.0100	3800	4000	-5.1	20.0
Phenol-d5 (Surr)	Ave	1.235	1.127	0.0100	3650	4000	-8.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3295	0.3076	0.0100	3730	4000	-6.6	20.0
2-Fluorobiphenyl	Ave	1.356	1.355	0.0100	4000	4000	-0.0	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1682	0.0100	4230	4000	5.7	20.0
p-Terphenyl-d14 (Surr)	Ave	1.044	0.997	0.0100	3820	4000	-4.5	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827363.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 03-Dec-2021 10:15:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-003
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:03 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 12:15:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.478	6.478	0.000	92	302529	4.00	4.00	
* 2 Naphthalene-d8	136	7.565	7.565	0.000	98	1070262	4.00	4.00	
* 3 Acenaphthene-d10	164	9.052	9.052	0.000	91	666450	4.00	4.00	
* 4 Phenanthrene-d10	188	10.312	10.312	0.000	94	1208232	4.00	4.00	
* 5 Chrysene-d12	240	13.011	13.011	0.000	98	1280540	4.00	4.00	
* 6 Perylene-d12	264	15.227	15.227	0.000	99	1496683	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.346	5.346	0.000	87	307887	4.00	3.80	
\$ 8 Phenol-d5	99	6.158	6.158	0.000	0	341067	4.00	3.65	
\$ 9 Nitrobenzene-d5	82	6.947	6.947	0.000	88	329237	4.00	3.73	
\$ 10 2-Fluorobiphenyl	172	8.453	8.453	0.000	98	903357	4.00	4.00	
\$ 11 2,4,6-Tribromophenol	330	9.716	9.716	0.000	88	203222	4.00	4.23	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	1276317	4.00	3.82	
13 1,4-Dioxane	88	3.476	3.476	0.000	88	105375	4.00	3.79	
14 N-Nitrosodimethylamine	42	3.896	3.896	0.000	90	126241	4.00	3.81	
15 Pyridine	52	3.936	3.936	0.000	95	242560	8.00	6.79	
35 Benzaldehyde	77	6.104	6.104	0.000	92	450640	8.00	8.54	
37 Phenol	94	6.169	6.169	0.000	98	374460	4.00	3.92	
36 Aniline	93	6.195	6.195	0.000	97	423026	4.00	3.62	
39 Bis(2-chloroethyl)ether	93	6.226	6.226	0.000	99	274196	4.00	4.06	
41 n-Decane	57	6.305	6.305	0.000	80	217268	4.00	3.47	
40 2-Chlorophenol	128	6.308	6.308	0.000	92	381685	4.00	4.11	
43 1,3-Dichlorobenzene	146	6.433	6.433	0.000	98	453592	4.00	4.05	
44 1,4-Dichlorobenzene	146	6.493	6.493	0.000	96	471277	4.00	4.16	
45 Benzyl alcohol	108	6.586	6.586	0.000	95	193761	4.00	3.71	
46 1,2-Dichlorobenzene	146	6.629	6.629	0.000	98	436806	4.00	4.04	
48 2-Methylphenol	108	6.674	6.674	0.000	94	292972	4.00	3.82	
49 2,2'-oxybis[1-chloropropane]	45	6.686	6.686	0.000	82	210294	4.00	3.23	
47 Indene	115	6.703	6.703	0.000	88	3238724	20.0	20.4	
53 N-Nitrosodi-n-propylamine	70	6.796	6.796	0.000	80	175984	4.00	3.92	
57 4-Methylphenol	108	6.802	6.802	0.000	98	305528	4.00	3.83	
52 Acetophenone	105	6.808	6.808	0.000	95	436471	4.00	3.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.921	6.921	0.000	86	158871	4.00	3.88	
59 Nitrobenzene	77	6.961	6.961	0.000	84	297102	4.00	3.94	
62 Isophorone	82	7.157	7.157	0.000	98	503894	4.00	3.82	
64 2-Nitrophenol	139	7.233	7.233	0.000	90	203085	4.00	4.05	
66 2,4-Dimethylphenol	107	7.247	7.247	0.000	93	345373	4.00	4.26	
69 Bis(2-chloroethoxy)methane	93	7.313	7.313	0.000	96	318647	4.00	4.07	
70 Benzoic acid	105	7.352	7.352	0.000	85	751094	20.0	15.8	M
72 2,4-Dichlorophenol	162	7.443	7.443	0.000	87	340367	4.00	4.27	
73 1,2,4-Trichlorobenzene	180	7.508	7.508	0.000	94	384275	4.00	4.26	
74 Naphthalene	128	7.585	7.585	0.000	97	1086272	4.00	4.05	
76 4-Chloroaniline	127	7.613	7.613	0.000	98	400024	4.00	4.17	
77 2,6-Dichlorophenol	162	7.628	7.628	0.000	95	341899	4.00	4.25	
79 Hexachlorobutadiene	225	7.676	7.676	0.000	93	278306	4.00	4.47	
84 Caprolactam	113	7.909	7.909	0.000	87	182567	8.00	7.72	
85 4-Chloro-3-methylphenol	107	8.011	8.011	0.000	92	270318	4.00	3.97	
87 2-Methylnaphthalene	142	8.164	8.164	0.000	93	794211	4.00	4.20	
89 1-Methylnaphthalene	142	8.249	8.249	0.000	92	714853	4.00	4.13	
90 Hexachlorocyclopentadiene	237	8.294	8.294	0.000	91	197455	4.00	2.76	
91 1,2,4,5-Tetrachlorobenzene	216	8.306	8.306	0.000	94	455737	4.00	4.22	
93 2,4,6-Trichlorophenol	196	8.397	8.397	0.000	88	258555	4.00	3.88	
94 2,4,5-Trichlorophenol	196	8.439	8.439	0.000	93	290919	4.00	4.36	
96 1,1'-Biphenyl	154	8.547	8.547	0.000	94	958771	4.00	4.05	
97 2-Chloronaphthalene	162	8.581	8.581	0.000	95	776325	4.00	4.34	
100 2-Nitroaniline	65	8.649	8.649	0.000	91	134917	4.00	3.52	
105 Dimethyl phthalate	163	8.771	8.771	0.000	99	848506	4.00	4.27	
106 1,3-Dinitrobenzene	168	8.819	8.819	0.000	96	127113	4.00	4.10	
107 2,6-Dinitrotoluene	165	8.836	8.836	0.000	90	185469	4.00	3.89	
108 Acenaphthylene	152	8.936	8.936	0.000	97	1163440	4.00	3.97	
109 3-Nitroaniline	138	8.992	8.992	0.000	90	177899	4.00	3.69	
111 2,4-Dinitrophenol	184	9.080	9.080	0.000	63	170079	8.00	6.52	
110 Acenaphthene	153	9.080	9.080	0.000	91	789187	4.00	4.05	
112 4-Nitrophenol	109	9.126	9.126	0.000	84	180157	8.00	7.52	
114 2,4-Dinitrotoluene	165	9.183	9.183	0.000	93	255721	4.00	3.97	
115 Dibenzofuran	168	9.222	9.222	0.000	97	1131818	4.00	4.22	
118 2,3,4,6-Tetrachlorophenol	232	9.322	9.322	0.000	67	217928	4.00	3.88	
121 Hexadecane	57	9.347	9.347	0.000	97	269815	4.00	3.48	
120 Diethyl phthalate	149	9.356	9.356	0.000	99	832613	4.00	4.14	
123 4-Chlorophenyl phenyl ether	204	9.486	9.486	0.000	86	477367	4.00	4.29	
126 4-Nitroaniline	138	9.512	9.512	0.000	56	185811	4.00	3.65	
124 Fluorene	166	9.512	9.512	0.000	94	881307	4.00	4.20	
127 4,6-Dinitro-2-methylphenol	198	9.534	9.534	0.000	97	284944	8.00	7.81	
130 N-Nitrosodiphenylamine	169	9.583	9.583	0.000	62	641872	4.00	4.23	
129 Diphenylamine	169	9.583	9.583	0.000	92	641872	3.42	3.62	
131 1,2-Diphenylhydrazine	77	9.620	9.620	0.000	41	586508	4.00	3.83	
132 Azobenzene	77	9.620	9.620	0.000	96	586508	4.00	3.83	
139 4-Bromophenyl phenyl ether	248	9.901	9.901	0.000	57	334614	4.00	4.36	
140 Hexachlorobenzene	284	9.988	9.988	0.000	94	438305	4.00	4.58	
143 Atrazine	200	10.003	10.003	0.000	93	547576	8.00	8.75	
148 n-Octadecane	57	10.119	10.119	0.000	96	272515	4.00	3.39	
145 Pentachlorophenol	266	10.147	10.147	0.000	95	264859	8.00	6.26	
151 Phenanthrene	178	10.332	10.332	0.000	95	1257221	4.00	4.00	
152 Anthracene	178	10.377	10.377	0.000	95	1280376	4.00	4.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.496	10.496	0.000	96	1093719	4.00	4.10	
157 Di-n-butyl phthalate	149	10.721	10.721	0.000	99	1383360	4.00	4.06	
164 Fluoranthene	202	11.368	11.368	0.000	97	1416300	4.00	4.05	
166 Benzidine	184	11.456	11.456	0.000	98	1507957	8.00	7.97	
167 Pyrene	202	11.600	11.600	0.000	98	1473344	4.00	3.81	
174 Butyl benzyl phthalate	149	12.182	12.182	0.000	93	612674	4.00	3.79	
181 Bis(2-ethylhexyl) phthalate	149	12.877	12.877	0.000	92	888773	4.00	3.86	
179 3,3'-Dichlorobenzidine	252	12.914	12.914	0.000	71	1342744	8.00	8.50	
180 Benzo[a]anthracene	228	12.993	12.993	0.000	96	1517635	4.00	3.92	
182 Chrysene	228	13.047	13.047	0.000	95	1483988	4.00	4.02	
184 Di-n-octyl phthalate	149	13.822	13.822	0.000	97	1496642	4.00	3.80	
186 Benzo[b]fluoranthene	252	14.605	14.605	0.000	95	1747905	4.00	4.04	
187 Benzo[k]fluoranthene	252	14.651	14.651	0.000	88	1749958	4.00	3.99	
189 Benzo[a]pyrene	252	15.139	15.139	0.000	75	1687650	4.00	4.09	
193 Indeno[1,2,3-cd]pyrene	276	17.054	17.054	0.000	93	2157152	4.00	4.30	
194 Dibenz(a,h)anthracene	278	17.057	17.057	0.000	85	1914350	4.00	4.43	
195 Benzo[g,h,i]perylene	276	17.585	17.585	0.000	96	1917426	4.00	4.43	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00516

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Operator ID: JM

Worklist Smp#: 3

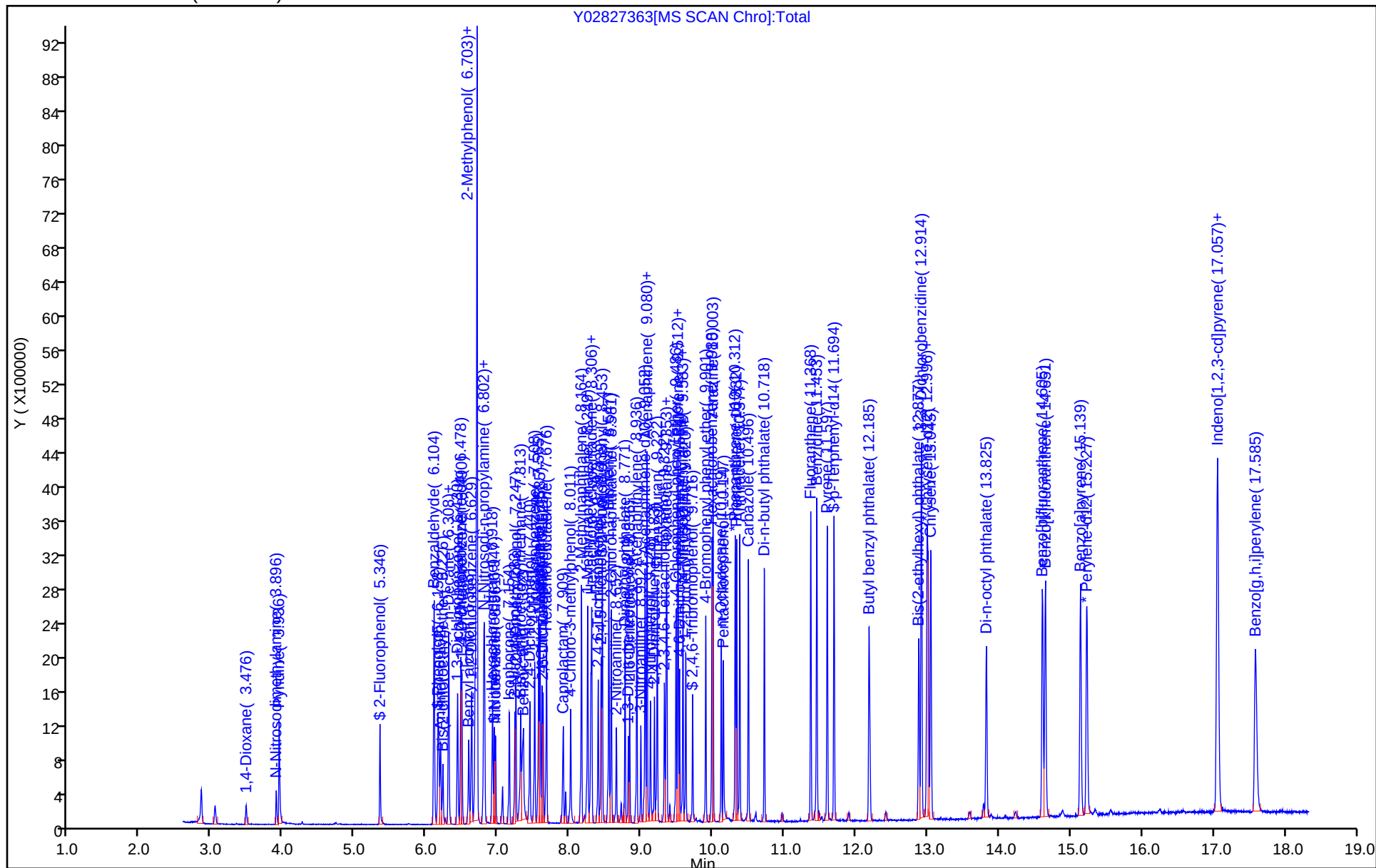
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827363.D

Injection Date: 03-Dec-2021 10:15:30

Instrument ID: HP5973Y

Lims ID: CCVIS

Client ID:

Operator ID: JM

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

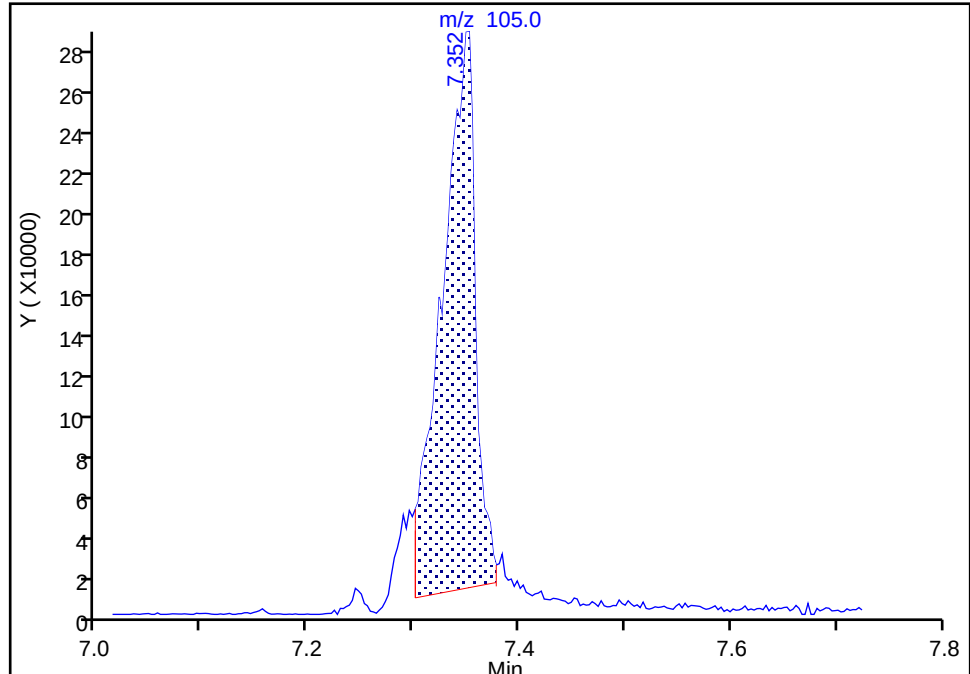
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

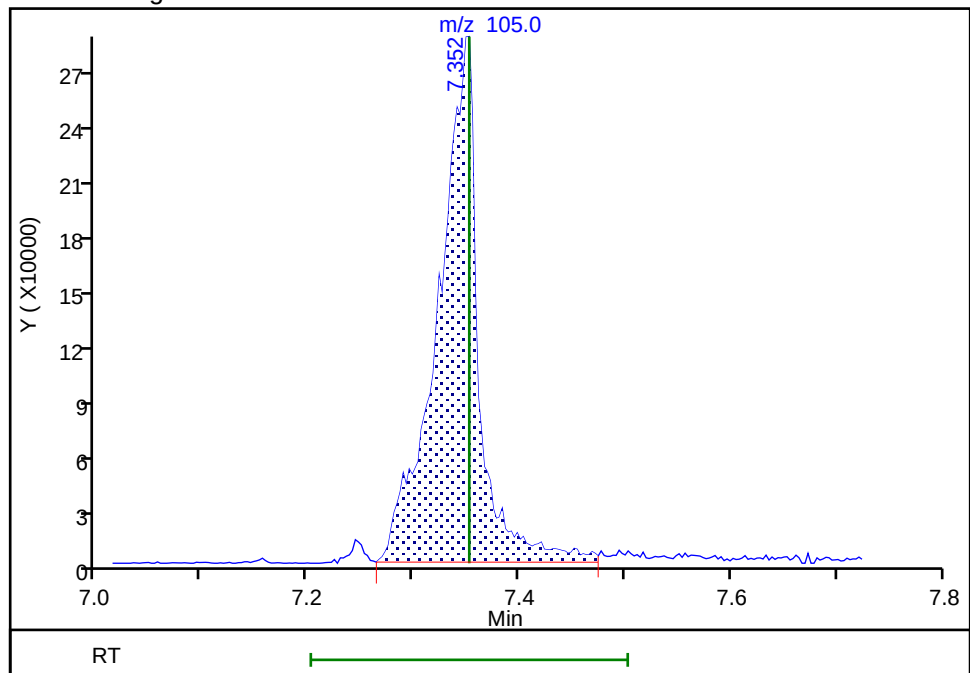
RT: 7.35
Area: 589918
Amount: 12.954055
Amount Units: ng/uL

Processing Integration Results



RT: 7.35
Area: 751094
Amount: 15.777011
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 06-Dec-2021 12:12:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 12-Nov-2021 10:55:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-002
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:59:24 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 11:15:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	10.299	10.299	0.000	95	1034059	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.635	11.635	0.000	98	4296226	NR	NR	
253 4,4'-DDE	246	11.822	11.822	0.000	81	2604		NR	
254 4,4'-DDD	235	12.188	12.188	0.000	97	18474		NR	
255 4,4'-DDT	235	12.563	12.563	0.000	99	3397321	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MB_DFTPP_WRK_00401

Amount Added: 1.00

Units: mL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D

Injection Date: 12-Nov-2021 10:55:30

Instrument ID: HP5973Y

Lims ID: DFTPP

Client ID:

Operator ID: JM

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 2.0 ul

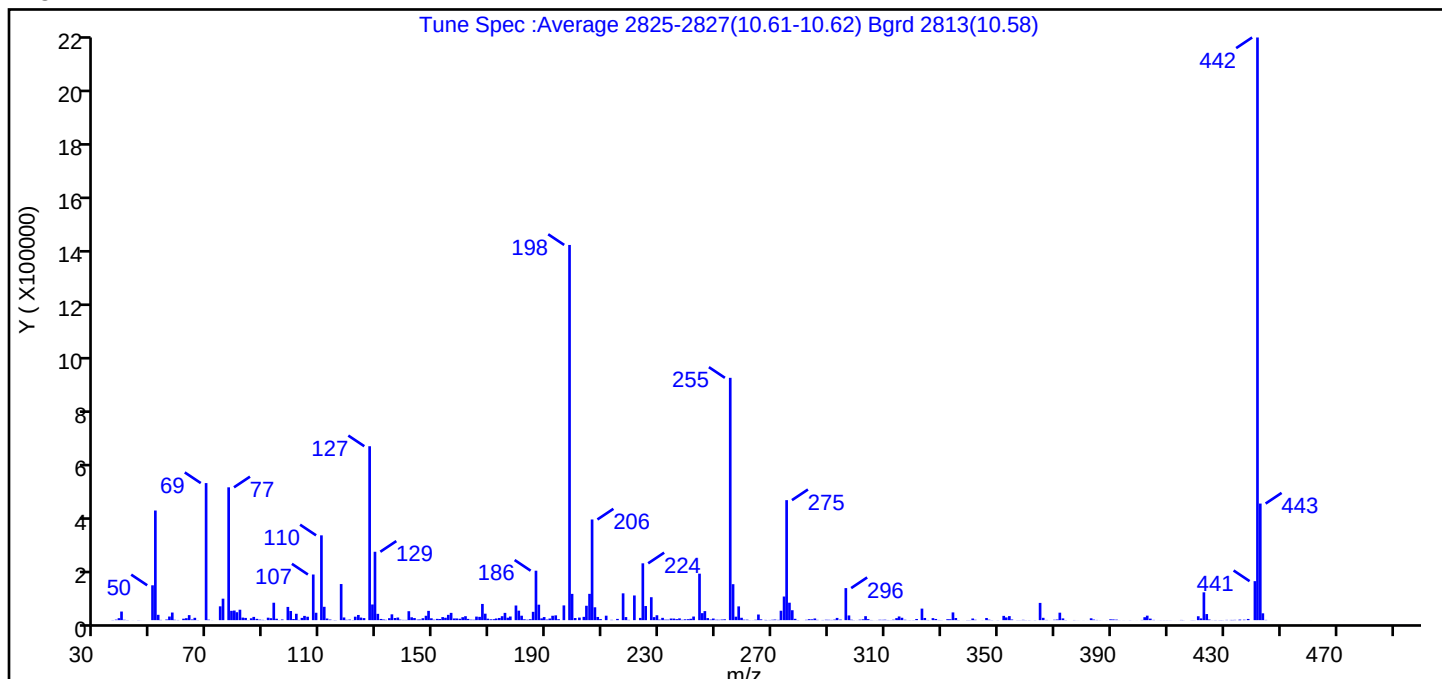
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (64.4)
51	10-80% of the base peak	29.2
68	<2% of mass 69	0.0 (0.0)
69	Present	36.5
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	46.4
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.0
275	10-60% of the base peak	32.0
365	>1% of mass 198	4.6
441	present but <24% of mass 442	10.4 (6.7)
442	base peak, or >50% of 198	155.3
443	15-24% of mass 442	31.1 (20.0)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 12-Nov-2021 10:55:30
Spectrum: Tune Spec :Average 2825-2827(10.61-10.62) Bgrd 2813(10.58)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	51	147.00	16065	255.00	889856	357.00	424
36.00	564	148.00	34056	256.00	132032	358.00	381
37.00	1932	149.00	6729	257.00	12724	359.00	1189
38.00	7233	150.00	1622	258.00	50520	360.00	449
39.00	31576	151.00	4681	259.00	8720	361.00	441
40.00	1380	152.00	4122	260.00	1672	362.00	94
41.00	573	153.00	11179	261.00	1818	363.00	444
43.00	141	154.00	8754	262.00	354	365.00	63312
45.00	477	155.00	19448	263.00	309	366.00	8538
46.00	158	156.00	26688	264.00	1404	367.00	793
47.00	90	157.00	6081	265.00	20704	368.00	144
50.00	127968	158.00	6205	266.00	2970	369.00	88
51.00	402560	159.00	5091	268.00	893	370.00	1571
52.00	19576	160.00	10808	268.00	441	371.00	2332
53.00	892	161.00	14464	269.00	715	372.00	27424
55.00	2316	162.00	4603	270.00	1447	373.00	6447
56.00	13301	163.00	1814	271.00	2199	374.00	563
57.00	27944	164.00	1505	272.00	1008	377.00	604
58.00	1395	165.00	13032	273.00	34504	378.00	164
59.00	665	166.00	12066	274.00	86744	379.00	91
61.00	5317	167.00	59496	275.00	440640	380.00	173
62.00	7179	168.00	23696	276.00	64032	382.00	102
63.00	18400	169.00	5333	277.00	36400	383.00	6793
64.00	2498	170.00	3104	278.00	4878	384.00	2097
65.00	8572	171.00	3411	279.00	574	385.00	748
66.00	422	172.00	6026	280.00	56	386.00	295
69.00	503296	173.00	7991	281.00	129	387.00	118
70.00	1735	174.00	14458	282.00	1195	389.00	215
71.00	239	175.00	26696	283.00	3515	390.00	3069
74.00	50736	176.00	8907	284.00	3078	391.00	2599
75.00	78864	177.00	13406	285.00	6099	392.00	1964
77.00	487744	179.00	53776	286.00	1045	393.00	249
78.00	34240	180.00	34800	287.00	46	394.00	177

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 12-Nov-2021 10:55:30

Spectrum: Tune Spec :Average 2825-2827(10.61-10.62) Bgrd 2813(10.58)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	35272	181.00	16286	288.00	658	395.00	47
80.00	29080	182.00	3080	289.00	1525	396.00	53
81.00	38296	183.00	1622	290.00	1284	397.00	372
82.00	9339	184.00	3387	291.00	872	398.00	48
83.00	8157	185.00	30552	292.00	1991	399.00	94
84.00	436	186.00	181568	293.00	8170	401.00	776
85.00	6795	187.00	56752	294.00	2087	402.00	10749
86.00	11909	188.00	6473	296.00	117640	403.00	16480
87.00	4742	189.00	11332	297.00	17256	404.00	5542
88.00	1890	190.00	2208	298.00	1567	405.00	907
89.00	1072	191.00	5915	299.00	403	407.00	116
90.00	341	192.00	16101	300.00	197	408.00	185
91.00	9022	193.00	17568	301.00	1712	408.00	135
92.00	7149	194.00	3455	302.00	2960	409.00	295
93.00	63968	196.00	54136	303.00	14594	410.00	317
94.00	5149	198.00	1377792	304.00	3617	411.00	243
95.00	381	199.00	96456	305.00	639	412.00	72
96.00	2502	200.00	7763	306.00	181	413.00	89
98.00	48544	202.00	9418	307.00	211	414.00	142
99.00	33536	203.00	12029	308.00	1398	415.00	756
100.00	4122	204.00	52800	309.00	1198	416.00	377
101.00	23416	205.00	96568	310.00	1643	418.00	313
102.00	830	206.00	369664	311.00	606	419.00	386
103.00	8264	207.00	47208	312.00	400	420.00	332
104.00	15614	208.00	11707	313.00	1651	421.00	14295
105.00	12521	209.00	3903	314.00	7419	422.00	6378
107.00	167616	211.00	16336	315.00	13546	423.00	102160
108.00	27136	213.00	1089	316.00	8755	424.00	22328
110.00	311424	214.00	157	317.00	1523	425.00	2234
111.00	48992	215.00	4569	318.00	233	426.00	254
112.00	5966	217.00	98456	319.00	458	427.00	578
113.00	2190	218.00	11270	320.00	486	428.00	274
114.00	319	219.00	927	321.00	4248	429.00	461
115.00	546	221.00	90600	323.00	42384	430.00	360

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 12-Nov-2021 10:55:30

Spectrum: Tune Spec :Average 2825-2827(10.61-10.62) Bgrd 2813(10.58)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	132608	223.00	8218	324.00	8002	431.00	926
118.00	9797	224.00	208640	325.00	730	433.00	783
119.00	1335	225.00	51848	326.00	254	433.00	674
120.00	2261	227.00	84208	327.00	7372	434.00	1028
121.00	561	228.00	11075	328.00	4310	436.00	964
122.00	12721	229.00	17952	329.00	706	436.00	1791
123.00	19024	230.00	1993	330.00	345	437.00	1636
124.00	9361	231.00	8422	332.00	3429	439.00	4390
125.00	7562	232.00	1858	333.00	3242	441.00	143168
127.00	638656	233.00	1811	334.00	28392	442.00	2139648
128.00	57496	234.00	5921	335.00	7793	443.00	428096
129.00	251136	235.00	5727	336.00	539	444.00	25088
130.00	23128	236.00	3722	338.00	79	445.00	909
131.00	4412	237.00	6407	339.00	537	446.00	43
132.00	2376	238.00	1259	340.00	479	447.00	60
133.00	1114	239.00	3103	341.00	6027	449.00	77
134.00	7186	240.00	3525	342.00	1475	450.00	35
135.00	21368	241.00	5042	343.00	46	457.00	64
136.00	7855	242.00	13257	344.00	213	459.00	35
137.00	9564	244.00	170688	345.00	169	461.00	118
138.00	1909	245.00	25720	346.00	7927	467.00	44
139.00	997	246.00	33192	347.00	1613	468.00	34
140.00	914	247.00	7518	348.00	502	473.00	68
141.00	32840	248.00	2151	350.00	346	476.00	47
142.00	10502	249.00	5912	352.00	15684	478.00	46
143.00	7678	250.00	1549	353.00	9979	491.00	36
144.00	2081	251.00	1339	354.00	14816	494.00	42
145.00	2395	252.00	2198	355.00	2430		
146.00	7038	253.00	3100	356.00	28		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D

Injection Date: 12-Nov-2021 10:55:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

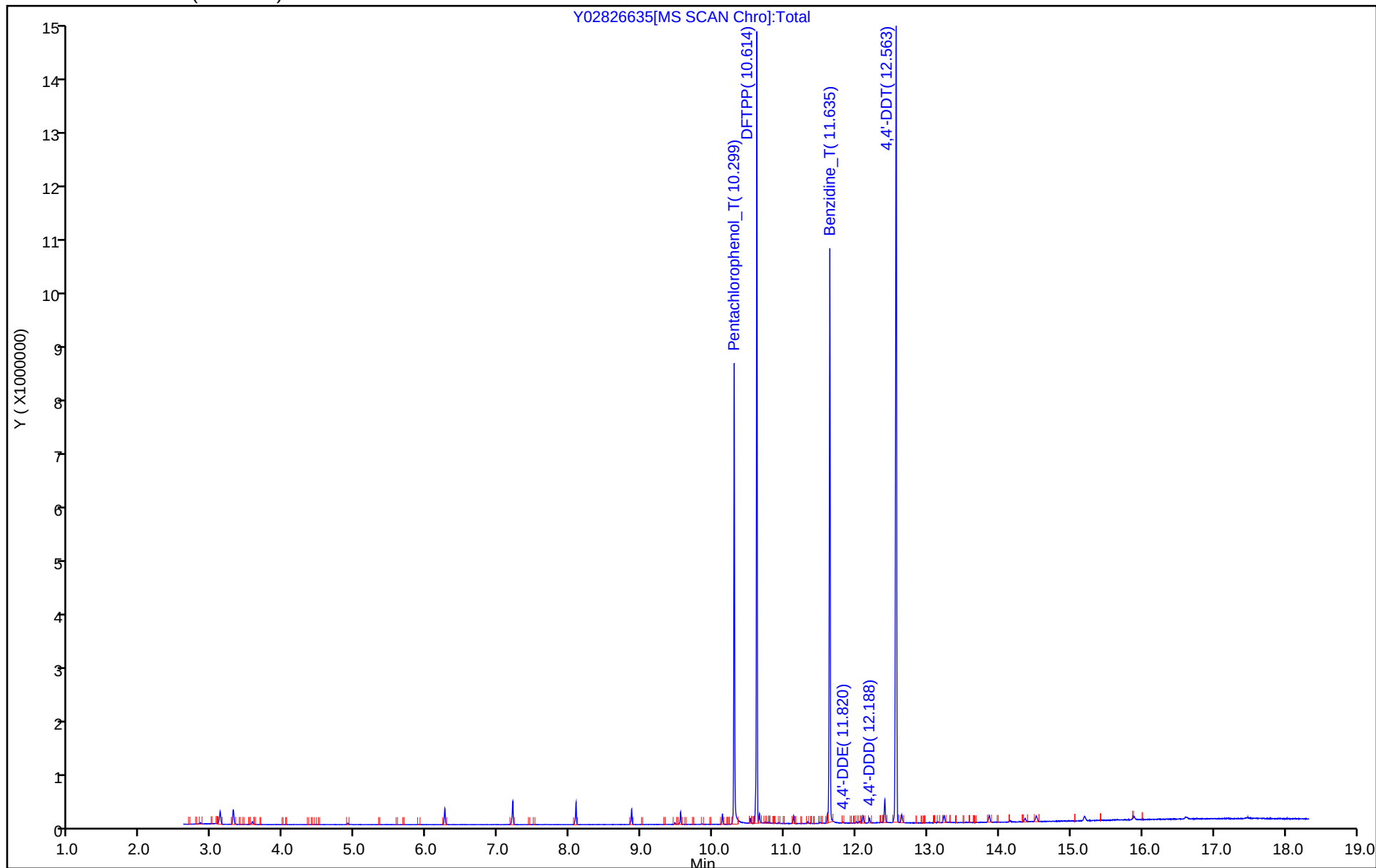
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D

Injection Date: 12-Nov-2021 10:55:30

Instrument ID: HP5973Y

Lims ID: DFTPP

Client ID:

Operator ID: JM

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =

$$\left(\frac{\text{Area Breakdown Cpnds}}{\text{Total Area Breakdown Cpnds}} \right) * 100$$

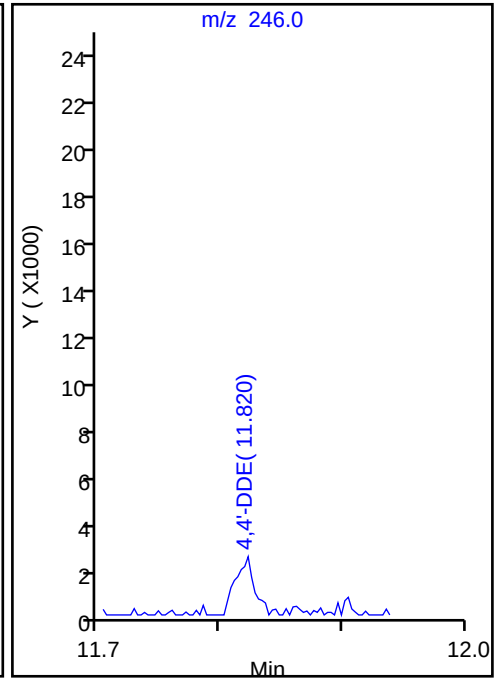
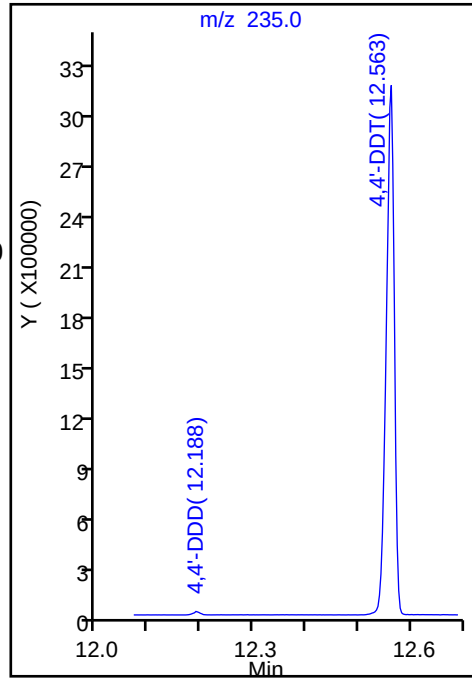
255 4,4'-DDT, Area = 3397321

254 4,4'-DDD, Area = 18474

253 4,4'-DDE, Area = 2604

%Breakdown: 0.62%, <= 20.00%

Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D

Injection Date: 12-Nov-2021 10:55:30

Instrument ID: HP5973Y

Lims ID: DFTPP

Client ID:

Operator ID: JM

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

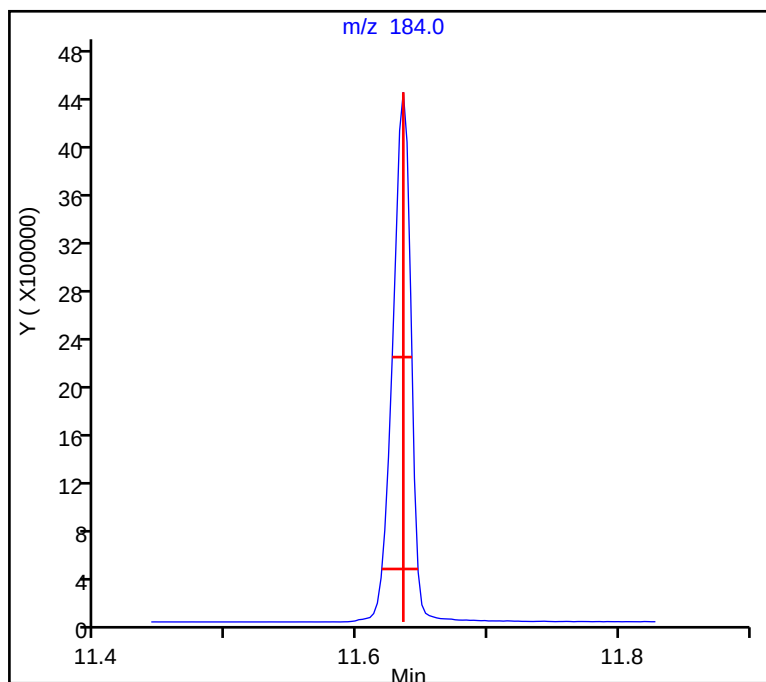
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 0.69, Max. Tailing <= 2.00

Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D
Injection Date: 12-Nov-2021 10:55:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

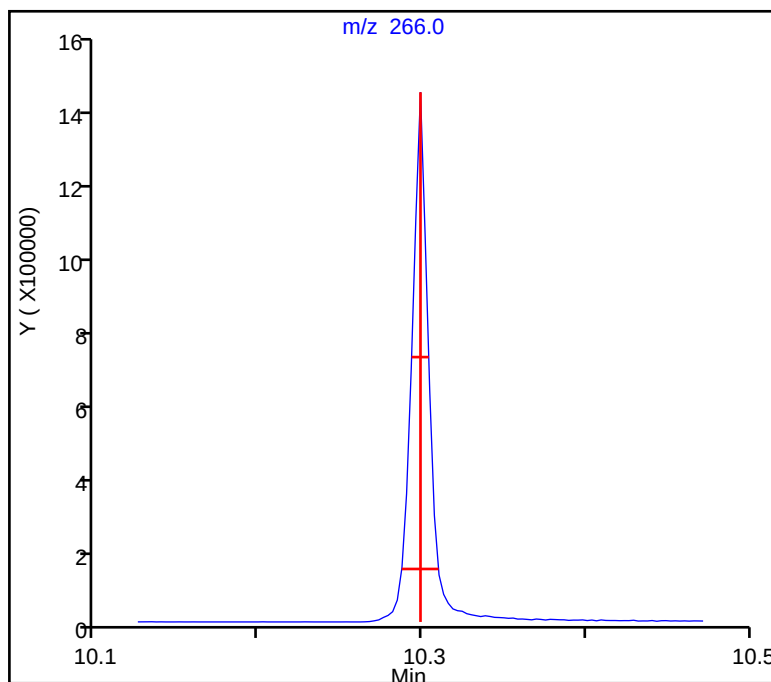
250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)

Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 03-Dec-2021 09:48:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-002
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:01 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 03-Dec-2021 10:08:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	10.148	10.148	0.000	95	807806	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.456	11.456	0.000	98	3953095	NR	NR	
253 4,4'-DDE	246	11.629	11.629	0.000	76	2016		NR	
254 4,4'-DDD	235	11.986	11.986	0.000	95	14651		NR	
255 4,4'-DDT	235	12.344	12.344	0.000	99	3493926	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MB_DFTPP_WRK_00402

Amount Added: 1.00

Units: mL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D

Injection Date: 03-Dec-2021 09:48:30

Instrument ID: HP5973Y

Lims ID: DFTPP

Client ID:

Operator ID: JM

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 2.0 ul

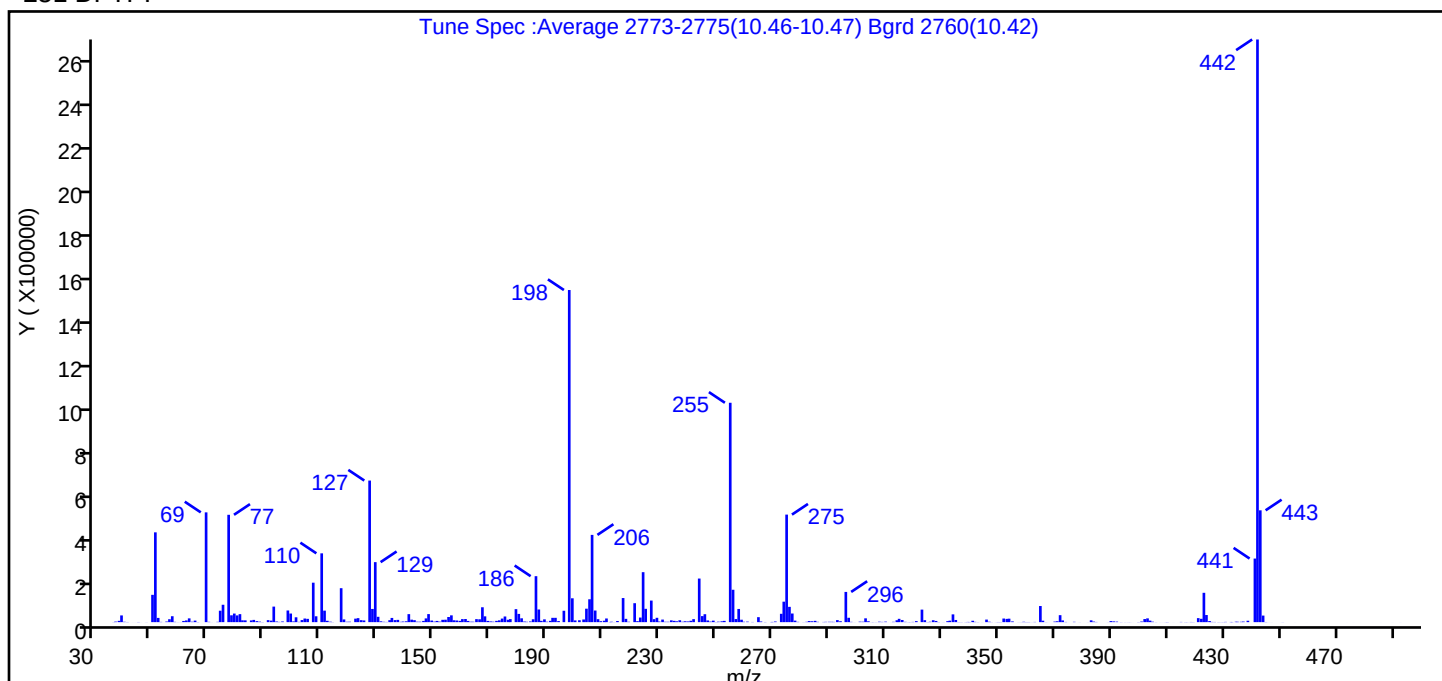
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (57.0)
51	10-80% of the base peak	27.0
68	<2% of mass 69	0.0 (0.0)
69	Present	33.1
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	42.6
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.2
275	10-60% of the base peak	32.4
365	>1% of mass 198	4.9
441	present but <24% of mass 442	19.1 (10.9)
442	base peak, or >50% of 198	175.4
443	15-24% of mass 442	33.7 (19.2)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 03-Dec-2021 09:48:30
Spectrum: Tune Spec :Average 2773-2775(10.46-10.47) Bgrd 2760(10.42)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	460	145.00	1903	249.00	6661	353.00	14661
37.00	2447	146.00	5436	250.00	696	354.00	15633
38.00	5797	147.00	16848	251.00	2153	355.00	3307
39.00	30264	148.00	36208	252.00	3688	357.00	278
40.00	1663	149.00	7155	253.00	5643	358.00	359
41.00	726	150.00	2454	255.00	987200	359.00	1609
42.00	37	151.00	5447	256.00	145728	360.00	693
43.00	129	152.00	2297	257.00	14001	361.00	691
44.00	119	153.00	10469	258.00	59296	362.00	214
45.00	693	154.00	10949	259.00	10875	363.00	949
46.00	115	155.00	23088	260.00	1760	365.00	72552
48.00	42	156.00	30600	261.00	2308	366.00	6481
48.00	278	157.00	8373	262.00	17	367.00	379
50.00	122904	158.00	7340	263.00	824	368.00	85
51.00	404096	159.00	5758	265.00	22352	370.00	2488
52.00	19064	160.00	13654	266.00	2929	371.00	3898
53.00	1059	161.00	14114	267.00	697	372.00	31384
54.00	115	162.00	5416	270.00	762	373.00	7718
55.00	2816	163.00	1922	270.00	974	374.00	931
56.00	13109	164.00	1911	271.00	2879	375.00	88
57.00	26616	165.00	13543	273.00	37512	377.00	1453
58.00	1329	166.00	12900	274.00	92104	378.00	35
59.00	357	167.00	66960	275.00	483904	379.00	258
60.00	309	168.00	26104	276.00	68832	380.00	33
61.00	5250	169.00	5529	277.00	38840	382.00	196
62.00	7642	170.00	3164	278.00	6813	383.00	8147
63.00	16968	171.00	2078	279.00	1296	384.00	2540
64.00	1937	172.00	5768	280.00	63	385.00	908
65.00	6874	173.00	8132	281.00	381	386.00	58
66.00	644	174.00	15989	282.00	1557	387.00	41
69.00	494016	175.00	25448	283.00	4835	389.00	242
70.00	1308	176.00	10712	284.00	4047	390.00	4771
71.00	162	177.00	13675	285.00	5816	391.00	3365

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 03-Dec-2021 09:48:30

Spectrum: Tune Spec :Average 2773-2775(10.46-10.47) Bgrd 2760(10.42)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	35	179.00	58512	286.00	1403	392.00	2403
73.00	1316	180.00	37048	287.00	56	393.00	123
74.00	51432	181.00	17304	288.00	876	394.00	407
75.00	78224	182.00	2783	289.00	1369	395.00	302
77.00	483072	183.00	1604	290.00	1560	396.00	334
78.00	30768	184.00	3075	291.00	1467	397.00	265
79.00	38664	185.00	12890	292.00	1137	398.00	86
80.00	30288	186.00	206848	293.00	9226	400.00	657
81.00	36000	187.00	56912	294.00	4131	401.00	2814
82.00	8245	188.00	5850	296.00	136000	402.00	13877
83.00	8041	189.00	12532	297.00	19632	403.00	16992
85.00	7672	190.00	1955	298.00	1289	404.00	6788
86.00	10123	191.00	5836	299.00	199	405.00	2113
87.00	4587	192.00	19424	301.00	2227	406.00	375
88.00	2233	193.00	19456	302.00	1994	408.00	160
89.00	653	194.00	4872	303.00	17168	409.00	133
91.00	9000	196.00	51240	304.00	3870	410.00	363
92.00	6771	198.00	1494528	305.00	262	410.00	592
93.00	69928	199.00	107344	306.00	450	411.00	69
94.00	2918	200.00	7668	307.00	355	412.00	119
95.00	1165	202.00	8435	308.00	1974	414.00	58
96.00	3057	203.00	12037	309.00	1097	415.00	943
98.00	52480	204.00	60552	310.00	2294	416.00	458
99.00	38720	205.00	102952	311.00	113	417.00	425
100.00	3293	206.00	392640	312.00	212	418.00	799
101.00	21824	207.00	52224	313.00	1506	419.00	519
102.00	1191	208.00	13374	314.00	8519	421.00	18016
103.00	9298	209.00	4362	315.00	14942	422.00	15045
104.00	16231	210.00	6313	316.00	9682	423.00	132032
105.00	14808	211.00	16496	317.00	1388	424.00	32048
107.00	177536	212.00	804	318.00	437	425.00	4973
108.00	26376	213.00	1740	319.00	487	426.00	1038
110.00	309632	214.00	423	320.00	1054	427.00	854
111.00	51744	215.00	5087	321.00	4612	428.00	565

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 03-Dec-2021 09:48:30

Spectrum: Tune Spec :Average 2773-2775(10.46-10.47) Bgrd 2760(10.42)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	6005	217.00	108416	323.00	56400	429.00	437
113.00	1978	218.00	14803	324.00	8750	430.00	421
114.00	512	219.00	1700	325.00	657	431.00	1087
117.00	152768	221.00	85256	326.00	1785	433.00	876
118.00	12167	222.00	4433	327.00	8554	433.00	709
119.00	1757	223.00	20648	328.00	5405	434.00	1929
120.00	1972	224.00	224832	329.00	697	435.00	1569
122.00	15738	225.00	59920	330.00	86	436.00	1593
123.00	17984	227.00	97072	331.00	272	437.00	2622
124.00	8893	228.00	13427	332.00	4425	439.00	6243
125.00	7595	229.00	19560	333.00	6632	441.00	286144
127.00	637120	230.00	2731	334.00	35000	442.00	2621952
128.00	59376	231.00	11532	335.00	9730	443.00	503168
129.00	270016	232.00	1710	336.00	626	444.00	29520
130.00	24016	233.00	1668	337.00	483	445.00	737
131.00	3737	234.00	8037	338.00	490	446.00	137
132.00	1558	235.00	5787	339.00	1000	447.00	134
133.00	916	236.00	3897	340.00	708	450.00	76
134.00	8907	237.00	8435	341.00	6187	451.00	345
135.00	18952	238.00	1795	342.00	1320	455.00	81
136.00	9189	239.00	3915	343.00	463	460.00	37
137.00	10223	240.00	3107	344.00	161	474.00	45
138.00	1438	241.00	6142	346.00	11519	476.00	59
139.00	2639	242.00	13496	347.00	1893	479.00	36
140.00	3732	244.00	196160	348.00	388	483.00	35
141.00	36008	245.00	27136	349.00	235	486.00	37
142.00	11110	246.00	35704	350.00	685	490.00	87
143.00	8815	247.00	7560	351.00	664	493.00	116
144.00	2057	248.00	2531	352.00	16241		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D

Injection Date: 03-Dec-2021 09:48:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

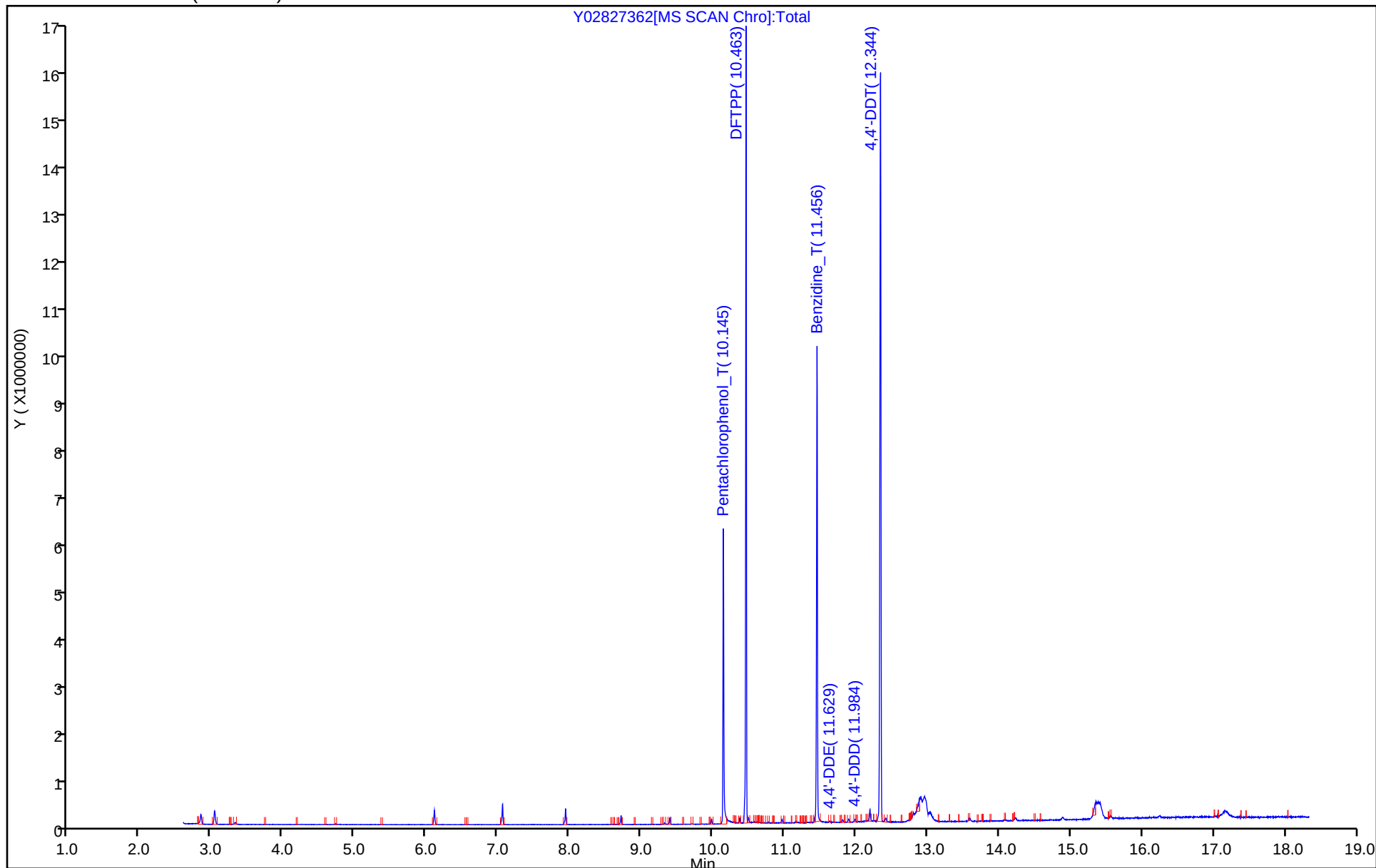
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D
Injection Date: 03-Dec-2021 09:48:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

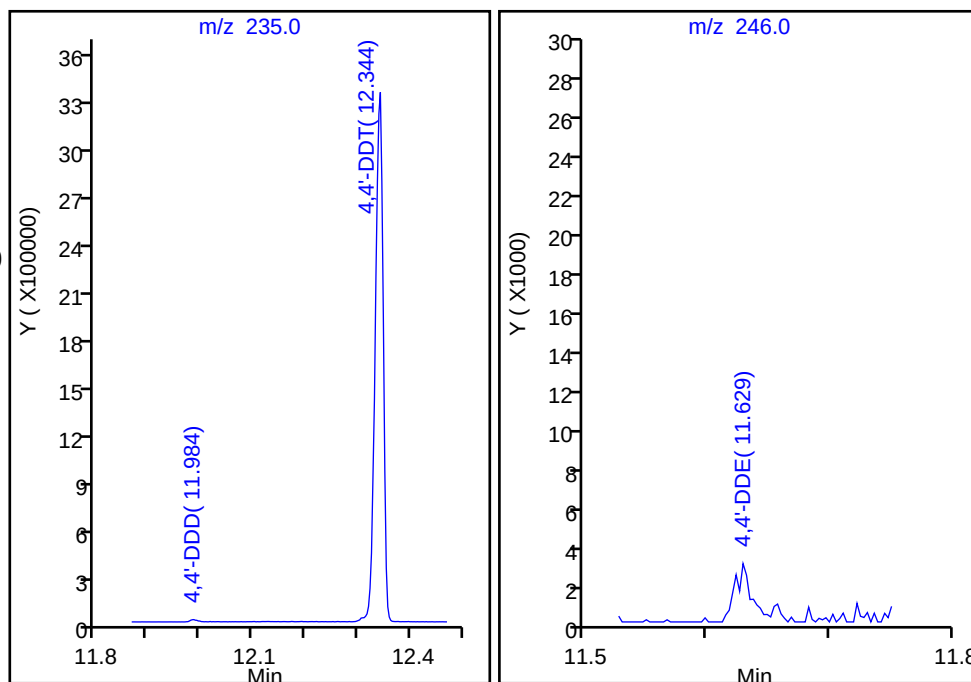
255 4,4'-DDT, Area = 3493926

254 4,4'-DDD, Area = 14651

253 4,4'-DDE, Area = 2016

%Breakdown: 0.47%, <= 20.00%

Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D

Injection Date: 03-Dec-2021 09:48:30

Instrument ID: HP5973Y

Lims ID: DFTPP

Client ID:

Operator ID: JM

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

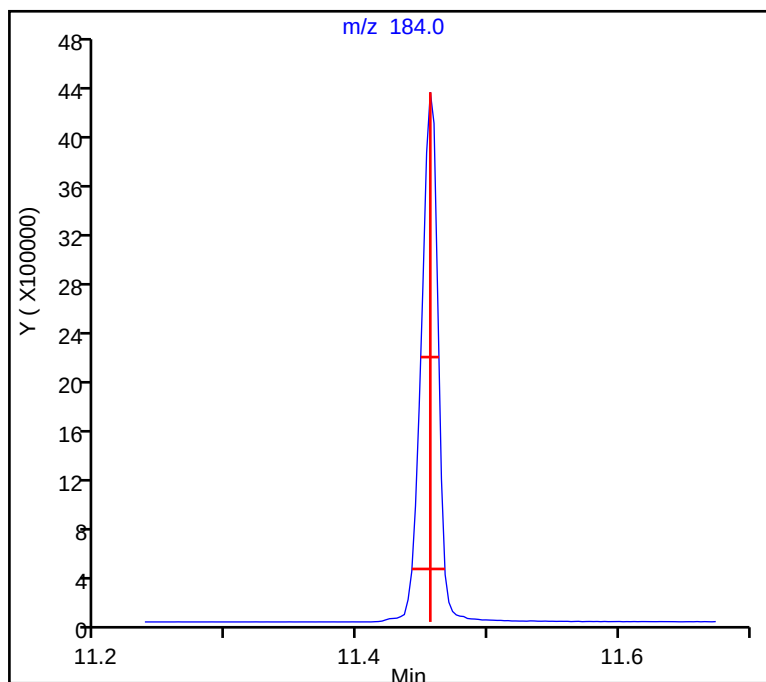
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)

Front Width = 0.014 (min.)

Tailing Factor = 0.79, Max. Tailing <= 2.00

Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827362.D
Injection Date: 03-Dec-2021 09:48:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

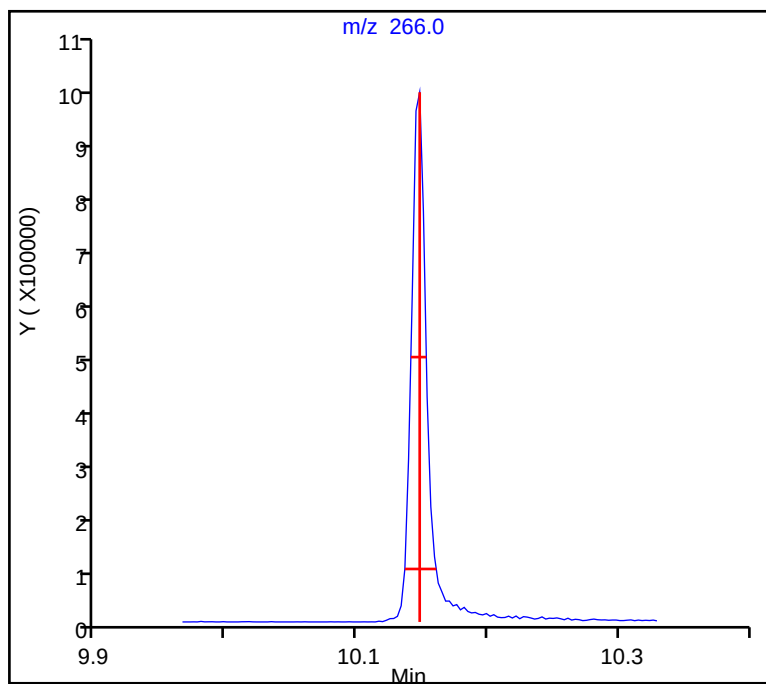
250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)

Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-607419/1-A
 Matrix: Water Lab File ID: Y02827367.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 12:04
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	107		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	90		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	112		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827367.D
 Lims ID: MB 480-607419/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 03-Dec-2021 12:04:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-007
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 03-Dec-2021 12:37:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.476	6.475	0.001	92	273089	4.00	4.00	
* 2 Naphthalene-d8	136	7.566	7.565	0.001	98	931021	4.00	4.00	
* 3 Acenaphthene-d10	164	9.050	9.052	-0.002	90	592210	4.00	4.00	
* 4 Phenanthrene-d10	188	10.309	10.311	-0.002	94	1067328	4.00	4.00	
* 5 Chrysene-d12	240	13.005	13.004	0.001	96	1084607	4.00	4.00	
* 6 Perylene-d12	264	15.224	15.221	0.004	99	1280660	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.364	5.346	0.018	87	437295	8.00	5.97	
\$ 8 Phenol-d5	99	6.158	6.158	0.000	0	354248	8.00	4.20	
\$ 9 Nitrobenzene-d5	82	6.944	6.947	-0.003	86	551895	8.00	7.20	
\$ 10 2-Fluorobiphenyl	172	8.454	8.453	0.001	98	1717413	8.00	8.56	
\$ 11 2,4,6-Tribromophenol	330	9.716	9.716	0.000	88	311465	8.00	7.26	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	2543878	8.00	8.99	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88		3.476					ND	
14 N-Nitrosodimethylamine	42		3.896					ND	
15 Pyridine	52		3.936					ND	
18 1-Methylcyclopentanol	71		4.617					ND	
19 2-Picoline	93		4.767					ND	
20 N-Nitrosomethylethylamine	88		4.875					ND	
24 Acrylamide	71		5.153					ND	
22 Methyl methanesulfonate	80		5.164					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
26 4-Chloropyridine	78	5.483	5.475	0.008	0	72		NC	
196 CBF-400	214		5.530					ND	
28 N-Nitrosodiethylamine	102		5.533					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
30 Ethyl methanesulfonate	79		5.791					ND	
31 2-Chloropyridine	78		5.922					ND	
257 CBF-500	161		5.944					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
35 Benzaldehyde	77		6.104					ND	
34 4-Chlorotoluene	91		6.134					ND	
37 Phenol	94		6.169					ND	
36 Aniline	93		6.195					ND	
39 Bis(2-chloroethyl)ether	93		6.226					ND	
38 Pentachloroethane	167		6.237					ND	
41 n-Decane	57	6.308	6.305	0.003	88	5165		0.0915	
40 2-Chlorophenol	128		6.308					ND	
42 p-Fluoroaniline	111		6.408					ND	
43 1,3-Dichlorobenzene	146		6.433					ND	
44 1,4-Dichlorobenzene	146		6.493					ND	
45 Benzyl alcohol	108		6.586					ND	
46 1,2-Dichlorobenzene	146		6.629					ND	
48 2-Methylphenol	108		6.674					ND	
49 2,2'-oxybis[1-chloropropane]	45		6.686					ND	
47 Indene	115		6.703					ND	U
50 N-Nitrosopyrrolidine	100		6.784					ND	
53 N-Nitrosodi-n-propylamine	70		6.796					ND	
57 4-Methylphenol	108		6.802					ND	
52 Acetophenone	105		6.808					ND	
54 N-Nitrosomorpholine	56		6.813					ND	
56 2-Toluidine	106		6.841					ND	
51 N-Methylaniline	106		6.855					ND	
55 4-Methylbenzenamine	106		6.859					ND	
58 Hexachloroethane	117		6.921					ND	
59 Nitrobenzene	77		6.961					ND	
60 2,6-Dichloropyridine	112		7.071					ND	
61 N-Nitrosopiperidine	114		7.085					ND	
62 Isophorone	82		7.157					ND	
63 2-Chloroaniline	127		7.214					ND	
64 2-Nitrophenol	139		7.233					ND	
66 2,4-Dimethylphenol	107		7.247					ND	
68 o,o',o"-Triethylphosphorothioate	198		7.281					ND	
65 Benzeneacetonitrile	117		7.282					ND	
67 Tetraethyl lead	237		7.302					ND	
69 Bis(2-chloroethoxy)methane	93		7.313					ND	
70 Benzoic acid	105		7.352					ND	
282 2,4-Dichlorotoluene	125		7.383					ND	
71 alpha,alpha-Dimethyl phenethylamine	59		7.406					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
72 2,4-Dichlorophenol	162		7.443					ND	
73 1,2,4-Trichlorobenzene	180		7.508					ND	
75 Alpha-Terpineol	59		7.574					ND	
74 Naphthalene	128		7.585					ND	
76 4-Chloroaniline	127		7.613					ND	
77 2,6-Dichlorophenol	162		7.628					ND	
78 Hexachloropropene	213		7.655					ND	
79 Hexachlorobutadiene	225		7.676					ND	
286 4-Chlorophenol	128		7.691					ND	
80 Benzeneacetic acid (TIC)	91		7.827					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
81 Quinoline	129		7.860					ND	
82 N-Nitrosodi-n-butylamine	84		7.865					ND	
83 p-Phenylene diamine	108		7.899					ND	
84 Caprolactam	113		7.909					ND	
85 4-Chloro-3-methylphenol	107		8.011					ND	
86 Safrole, Total	162		8.061					ND	
87 2-Methylnaphthalene	142		8.164					ND	
88 Phthalic anhydride	104		8.213					ND	
89 1-Methylnaphthalene	142		8.249					ND	U
90 Hexachlorocyclopentadiene	237		8.294					ND	
281 2,4,5-Trichlorotoluene	159		8.296					ND	
91 1,2,4,5-Tetrachlorobenzene	216		8.306					ND	
275 Isosafrole Peak 1	162		8.308					ND	
198 NVF-400	82	8.298	8.311	-0.013	0	127		0.000546	
258 CU-600	58	8.269	8.316	-0.047	0	271		0.001164	
93 2,4,6-Trichlorophenol	196		8.397					ND	
284 2,3-Dichlorobenzenamine	161	8.442	8.412	0.030	14	21		NC	
94 2,4,5-Trichlorophenol	196		8.439					ND	
277 Isosafrole Peak 2	162		8.501					ND	U
95 Isosafrole	162		8.501					ND	U
96 1,1'-Biphenyl	154		8.547					ND	
97 2-Chloronaphthalene	162		8.581					ND	
99 1-Chloronaphthalene	162		8.603					ND	U
100 2-Nitroaniline	65		8.649					ND	
102 1,4-Naphthoquinone	158		8.717					ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
103 Dicyclohexylamine	138		8.732					ND	
104 1,4-Dinitrobenzene	168		8.751					ND	
105 Dimethyl phthalate	163		8.771					ND	
106 1,3-Dinitrobenzene	168		8.819					ND	
107 2,6-Dinitrotoluene	165		8.836					ND	
108 Acenaphthylene	152		8.936					ND	
109 3-Nitroaniline	138		8.992					ND	
111 2,4-Dinitrophenol	184		9.080					ND	
110 Acenaphthene	153		9.080					ND	
112 4-Nitrophenol	109		9.126					ND	
114 2,4-Dinitrotoluene	165		9.183					ND	
113 Pentachlorobenzene	250		9.193					ND	
115 Dibenzofuran	168		9.222					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.284					ND	
116 1-Naphthylamine	143		9.284					ND	
118 2,3,4,6-Tetrachlorophenol	232		9.322					ND	
119 2-Naphthylamine	143		9.347					ND	
121 Hexadecane	57		9.347					ND	U
120 Diethyl phthalate	149	9.353	9.356	-0.003	88	4354		0.0244	
122 Thionazin	97		9.426					ND	
123 4-Chlorophenyl phenyl ether	204		9.486					ND	
125 N-Nitro-o-toluidine	152		9.503					ND	
126 4-Nitroaniline	138		9.512					ND	
124 Fluorene	166		9.512					ND	
128 Tributyl phosphate	99		9.521					ND	
127 4,6-Dinitro-2-methylphenol	198		9.534					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169		9.583					ND	
129 Diphenylamine	169		9.583					ND	
131 1,2-Diphenylhydrazine	77		9.620					ND	
132 Azobenzene	77		9.620					ND	
134 Sulfotepp	322		9.673					ND	
135 1,3,5-Trinitrobenzene	213		9.786					ND	
136 Diallate	86		9.806					ND	
278 Diallate Peak 1	86		9.806					ND	
137 Phorate	75		9.815					ND	
138 Phenacetin	108		9.815					ND	
280 Diallate Peak 2	86		9.889					ND	
139 4-Bromophenyl phenyl ether	248		9.901					ND	
141 Dimethoate	87		9.968					ND	
140 Hexachlorobenzene	284		9.988					ND	
142 Simazine	201		9.992					ND	
143 Atrazine	200		10.003					ND	
148 n-Octadecane	57		10.119					ND	
144 4-Aminobiphenyl	169		10.121					ND	
147 Pronamide	173		10.138					ND	
145 Pentachlorophenol	266		10.147					ND	
146 Pentachloronitrobenzene	237		10.153					ND	
149 Disulfoton	88		10.252					ND	
150 Dinoseb	211		10.263					ND	
151 Phenanthrene	178	10.332	10.332	0.000	89	7466		0.0269	
152 Anthracene	178		10.377					ND	
153 Carbazole	167		10.496					ND	
155 Methyl parathion	109		10.578					ND	
154 Alachlor	160		10.591					ND	
157 Di-n-butyl phthalate	149	10.718	10.721	-0.003	98	13123		0.0436	
288 2-Methylantracene	192	10.880	10.885	-0.005	1	236		NC	
158 Ethyl Parathion	97		10.893					ND	
159 4-Nitroquinoline-1-oxide	190		10.973					ND	
161 Methapyrilene	58		10.995					ND	
160 Anthraquinone	180		11.019					ND	
162 Isodrin	193		11.225					ND	
164 Fluoranthene	202		11.368					ND	
165 1-Hydroxyanthraquinone	224		11.414					ND	U
166 Benzidine	184		11.456					ND	
167 Pyrene	202		11.600					ND	
276 Aramite Peak 1	185		11.620					ND	
168 Aramite, Total	185		11.696					ND	
279 Aramite Peak 2	185		11.696					ND	
241 5-Methyl-o-Anisidine	122		11.753					ND	
170 p-Dimethylamino azobenzene	120		11.835					ND	
171 Chlorobenzilate	251		11.864					ND	
169 1,4-Dihydroxyanthraquinone	240		11.888					ND	
172 Famphur	218		12.157					ND	
174 Butyl benzyl phthalate	149	12.182	12.182	0.000	88	17613		0.1287	
175 9-Octadecenamide	59		12.188					ND	
173 3,3'-Dimethylbenzidine	212		12.210					ND	
176 Kepone	272		12.356					ND	
177 2-Acetylaminofluorene	181		12.528					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.875	12.877	-0.002	66	6101		0.0313	
178 4,4'-Methylene bis(2-chloroaniline)	231		12.897					ND	
179 3,3'-Dichlorobenzidine	252		12.914					ND	
180 Benzo[a]anthracene	228		12.993					ND	
182 Chrysene	228		13.047					ND	
183 6-Methylchrysene	242		13.685					ND	U
184 Di-n-octyl phthalate	149		13.822					ND	U
185 7,12-Dimethylbenz(a)anthracene	256		14.568					ND	
186 Benzo[b]fluoranthene	252		14.605					ND	
187 Benzo[k]fluoranthene	252		14.651					ND	
192 Hexachlorophene	196		14.981					ND	
189 Benzo[a]pyrene	252		15.139					ND	
283 Benzo[e]pyrene	252	15.355	15.335	0.020	1	115		NC	
190 3-Methylcholanthrene	268		15.677					ND	
191 Dibenz[a,h]acridine	279		16.594					ND	U
193 Indeno[1,2,3-cd]pyrene	276		17.054					ND	
194 Dibenz(a,h)anthracene	278		17.057					ND	
195 Benzo[g,h,i]perylene	276		17.585					ND	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		22.440					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
244 Pendimethalin	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
254 4,4'-DDD	235		11.986					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1		0.195					ND	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1		0.195					ND	
S 262 3 & 4 Methylphenol	108		0.195					ND	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827367.D

Injection Date: 03-Dec-2021 12:04:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: MB 480-607419/1-A

Worklist Smp#: 7

Client ID:

Injection Vol: 2.0 ul

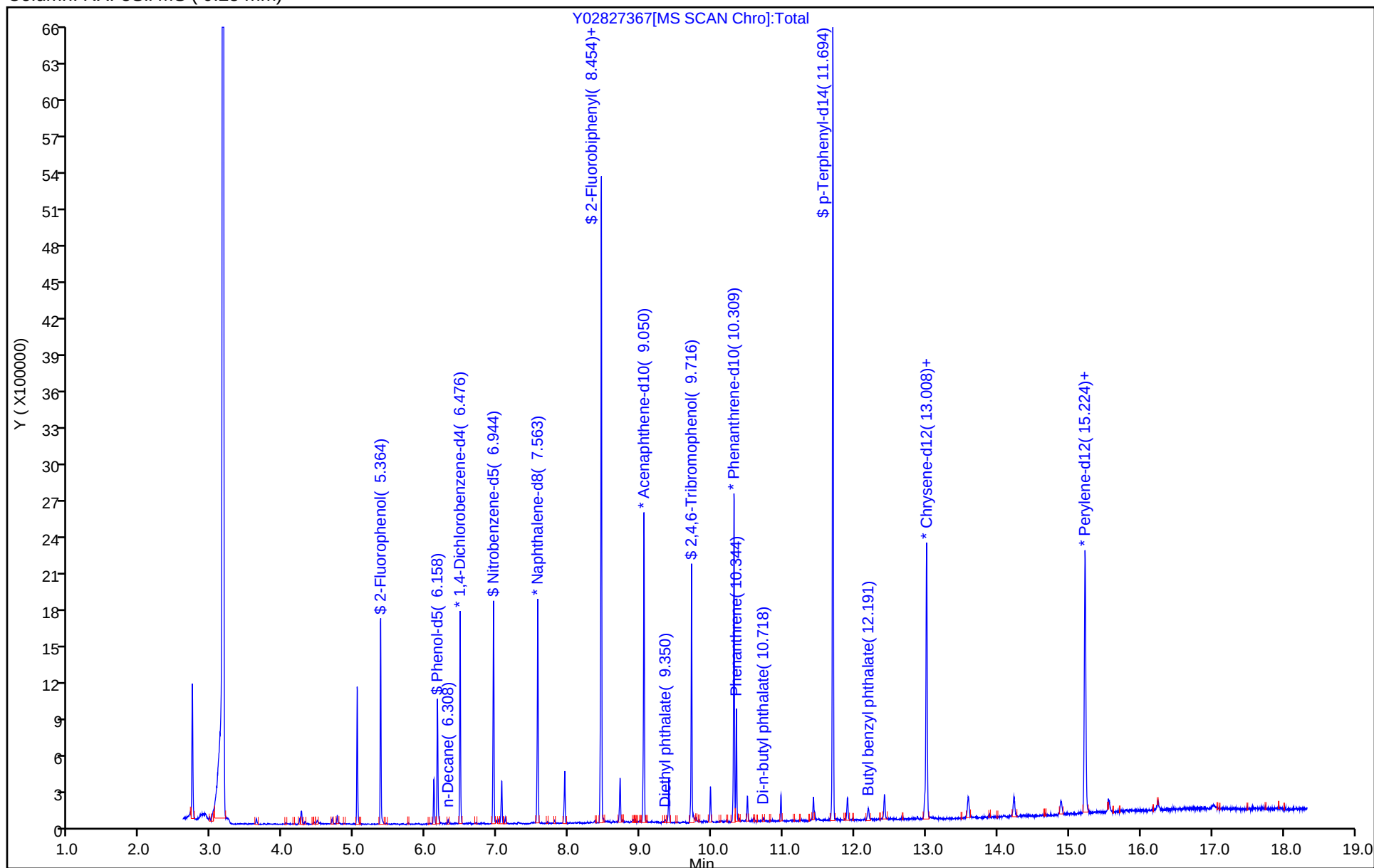
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-607419/2-A
 Matrix: Water Lab File ID: Y02827368.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 12:31
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	30.9		5.0	0.41
208-96-8	Acenaphthylene	29.4		5.0	0.38
120-12-7	Anthracene	31.5		5.0	0.28
56-55-3	Benzo[a]anthracene	31.2		5.0	0.36
50-32-8	Benzo[a]pyrene	27.4		5.0	0.47
205-99-2	Benzo[b]fluoranthene	30.2		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	32.2		5.0	0.35
207-08-9	Benzo[k]fluoranthene	28.9		5.0	0.73
218-01-9	Chrysene	30.6		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	32.2		5.0	0.42
206-44-0	Fluoranthene	32.7		5.0	0.40
86-73-7	Fluorene	33.0		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	31.6		5.0	0.47
91-20-3	Naphthalene	28.5		5.0	0.76
85-01-8	Phenanthrene	30.9		5.0	0.44
129-00-0	Pyrene	30.8		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	94		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	79		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827368.D

Lims ID: LCS 480-607419/2-A

Client ID:

Sample Type: LCS

Inject. Date: 03-Dec-2021 12:31:30

ALS Bottle#: 8

Worklist Smp#: 8

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Sample Info: 480-0102849-008

Operator ID: JM

Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m

Limit Group: MB - 8270D ICAL

Last Update: 06-Dec-2021 13:35:08

Calib Date: 12-Nov-2021 18:10:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D

Column 1 : RXI-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: CTX1602

First Level Reviewer: marshallj

Date: 03-Dec-2021 13:04:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.477	6.475	0.002	91	260885	4.00	4.00	
* 2 Naphthalene-d8	136	7.564	7.565	-0.001	98	931618	4.00	4.00	
* 3 Acenaphthene-d10	164	9.051	9.052	-0.001	90	572674	4.00	4.00	
* 4 Phenanthrene-d10	188	10.311	10.311	0.000	93	1055722	4.00	4.00	
* 5 Chrysene-d12	240	13.012	13.004	0.008	96	1076515	4.00	4.00	
* 6 Perylene-d12	264	15.226	15.221	0.006	99	1275968	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.365	5.346	0.019	88	378830	8.00	5.42	
\$ 8 Phenol-d5	99	6.162	6.158	0.004	0	327376	8.00	4.07	
\$ 9 Nitrobenzene-d5	82	6.946	6.947	-0.001	86	485062	8.00	6.32	
\$ 10 2-Fluorobiphenyl	172	8.452	8.453	-0.001	98	1464572	8.00	7.55	
\$ 11 2,4,6-Tribromophenol	330	9.718	9.716	0.002	88	391256	8.00	9.19	
\$ 12 p-Terphenyl-d14	244	11.693	11.694	-0.001	96	2202284	8.00	7.84	
13 1,4-Dioxane	88	3.543	3.476	0.067	85	120095	8.00	5.00	a
14 N-Nitrosodimethylamine	42	3.941	3.896	0.045	90	161628	8.00	5.65	
15 Pyridine	52	3.986	3.936	0.050	94	260006	16.0	8.44	
35 Benzaldehyde	77	6.103	6.104	-0.001	93	657705	16.0	14.5	
37 Phenol	94	6.174	6.169	0.005	98	358915	8.00	4.36	
36 Aniline	93	6.197	6.195	0.002	97	600173	8.00	5.96	
39 Bis(2-chloroethyl)ether	93	6.228	6.226	0.002	99	421341	8.00	7.23	
41 n-Decane	57	6.310	6.305	0.005	76	287199	8.00	5.32	
40 2-Chlorophenol	128	6.310	6.308	0.002	93	569484	8.00	7.11	
43 1,3-Dichlorobenzene	146	6.435	6.433	0.002	97	657612	8.00	6.81	
44 1,4-Dichlorobenzene	146	6.492	6.493	-0.001	95	670490	8.00	6.87	
45 Benzyl alcohol	108	6.588	6.586	0.002	94	293591	8.00	6.48	
46 1,2-Dichlorobenzene	146	6.628	6.629	-0.001	98	631066	8.00	6.77	
48 2-Methylphenol	108	6.679	6.674	0.005	95	439121	8.00	6.63	
49 2,2'-oxybis[1-chloropropane]	45	6.682	6.686	-0.004	78	316059	8.00	5.64	
47 Indene	115	6.707	6.703	0.004	88	7537209	64.0	55.2	
53 N-Nitrosodi-n-propylamine	70	6.798	6.796	0.002	81	286815	8.00	7.41	
57 4-Methylphenol	108	6.804	6.802	0.002	97	462413	8.00	6.72	
52 Acetophenone	105	6.809	6.808	0.001	95	715262	8.00	7.58	
58 Hexachloroethane	117	6.920	6.921	-0.001	88	231296	8.00	6.56	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Nitrobenzene	77	6.963	6.961	0.002	84	445695	8.00	6.78	
62 Isophorone	82	7.156	7.157	-0.001	98	813016	8.00	7.07	
64 2-Nitrophenol	139	7.232	7.233	-0.001	90	330724	8.00	7.53	
66 2,4-Dimethylphenol	107	7.249	7.247	0.002	94	570445	8.00	8.10	
69 Bis(2-chloroethoxy)methane	93	7.312	7.313	-0.001	96	506504	8.00	7.43	
70 Benzoic acid	105	7.371	7.352	0.019	85	1222487	64.0	27.2	M
72 2,4-Dichlorophenol	162	7.442	7.443	-0.001	88	557355	8.00	8.04	
73 1,2,4-Trichlorobenzene	180	7.510	7.508	0.002	92	608607	8.00	7.76	
74 Naphthalene	128	7.584	7.585	-0.001	97	1657489	8.00	7.11	
76 4-Chloroaniline	127	7.612	7.613	-0.001	97	637379	8.00	7.64	
77 2,6-Dichlorophenol	162	7.627	7.628	-0.001	95	561010	8.00	8.01	
79 Hexachlorobutadiene	225	7.675	7.676	-0.001	93	402708	8.00	7.44	
84 Caprolactam	113	7.908	7.909	0.000	87	126734	16.0	6.19	
85 4-Chloro-3-methylphenol	107	8.010	8.011	-0.001	92	468369	8.00	7.91	
87 2-Methylnaphthalene	142	8.163	8.164	-0.001	90	1170817	8.00	7.11	
89 1-Methylnaphthalene	142	8.248	8.249	-0.001	92	1139910	8.00	7.57	
90 Hexachlorocyclopentadiene	237	8.294	8.294	0.000	90	285997	8.00	4.57	
91 1,2,4,5-Tetrachlorobenzene	216	8.305	8.306	-0.001	95	690815	8.00	7.44	
93 2,4,6-Trichlorophenol	196	8.396	8.397	-0.001	89	446835	8.00	7.73	
94 2,4,5-Trichlorophenol	196	8.438	8.439	-0.001	95	479125	8.00	8.29	
96 1,1'-Biphenyl	154	8.546	8.547	-0.001	95	1535179	8.00	7.54	
97 2-Chloronaphthalene	162	8.580	8.581	-0.001	94	1222448	8.00	7.95	
100 2-Nitroaniline	65	8.651	8.649	0.002	92	249380	8.00	7.44	
105 Dimethyl phthalate	163	8.773	8.771	0.002	99	1492787	8.00	8.75	
106 1,3-Dinitrobenzene	168	8.821	8.819	0.002	94	229967	8.00	8.37	
107 2,6-Dinitrotoluene	165	8.838	8.836	0.002	90	341642	8.00	8.33	
108 Acenaphthylene	152	8.935	8.936	-0.001	97	1851320	8.00	7.36	
109 3-Nitroaniline	138	8.994	8.992	0.002	91	291548	8.00	6.96	
111 2,4-Dinitrophenol	184	9.082	9.080	0.002	77	339857	16.0	14.2	
110 Acenaphthene	153	9.080	9.080	0.000	91	1292868	8.00	7.72	
112 4-Nitrophenol	109	9.128	9.126	0.002	83	239722	16.0	11.4	
114 2,4-Dinitrotoluene	165	9.185	9.183	0.002	93	457518	8.00	8.19	
115 Dibenzofuran	168	9.224	9.222	0.002	96	1767516	8.00	7.66	
118 2,3,4,6-Tetrachlorophenol	232	9.321	9.322	-0.001	68	393965	8.00	7.99	
121 Hexadecane	57	9.346	9.347	-0.001	98	409277	8.00	6.14	
120 Diethyl phthalate	149	9.358	9.356	0.002	99	1458933	8.00	8.44	
123 4-Chlorophenyl phenyl ether	204	9.485	9.486	-0.001	85	787764	8.00	8.24	
126 4-Nitroaniline	138	9.517	9.512	0.005	89	331924	8.00	7.58	
124 Fluorene	166	9.514	9.512	0.002	95	1489986	8.00	8.26	
127 4,6-Dinitro-2-methylphenol	198	9.536	9.534	0.002	95	521950	16.0	15.9	
130 N-Nitrosodiphenylamine	169	9.582	9.583	-0.001	75	1069107	8.00	8.07	
129 Diphenylamine	169	9.582	9.583	-0.001	92	1069107	6.84	6.90	
131 1,2-Diphenylhydrazine	77	9.622	9.620	0.002	41	968811	8.00	7.25	
132 Azobenzene	77	9.622	9.620	0.002	95	968811	8.00	7.25	
139 4-Bromophenyl phenyl ether	248	9.900	9.901	0.000	57	583559	8.00	8.71	
140 Hexachlorobenzene	284	9.988	9.988	0.000	94	741750	8.00	8.87	
143 Atrazine	200	10.007	10.003	0.004	93	940755	16.0	17.5	
148 n-Octadecane	57	10.118	10.119	-0.001	96	452186	8.00	6.43	
145 Pentachlorophenol	266	10.146	10.147	-0.001	95	451483	16.0	11.6	
151 Phenanthrene	178	10.334	10.332	0.002	95	2120316	8.00	7.72	
152 Anthracene	178	10.376	10.377	-0.001	95	2141719	8.00	7.87	
153 Carbazole	167	10.498	10.496	0.002	96	1909702	8.00	8.19	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
157 Di-n-butyl phthalate	149	10.720	10.721	-0.001	99	2444073	8.00	8.21	
164 Fluoranthene	202	11.369	11.368	0.001	97	2492737	8.00	8.17	
166 Benzidine	184	11.455	11.456	-0.001	98	146243	16.0	0.9191	
167 Pyrene	202	11.599	11.600	-0.001	98	2503448	8.00	7.70	
174 Butyl benzyl phthalate	149	12.184	12.182	0.002	93	1084715	8.00	7.98	
181 Bis(2-ethylhexyl) phthalate	149	12.879	12.877	0.002	92	1460384	8.00	7.54	
179 3,3'-Dichlorobenzidine	252	12.919	12.914	0.005	71	2064466	16.0	15.5	
180 Benzo[a]anthracene	228	12.995	12.993	0.002	96	2538581	8.00	7.80	
182 Chrysene	228	13.049	13.047	0.002	95	2371042	8.00	7.65	
184 Di-n-octyl phthalate	149	13.824	13.822	0.002	97	2493739	8.00	7.45	
186 Benzo[b]fluoranthene	252	14.607	14.605	0.002	95	2780787	8.00	7.55	
187 Benzo[k]fluoranthene	252	14.653	14.651	0.002	97	2700841	8.00	7.23	
189 Benzo[a]pyrene	252	15.141	15.139	0.002	75	2413603	8.00	6.86	
193 Indeno[1,2,3-cd]pyrene	276	17.059	17.054	0.005	94	3386362	8.00	7.90	
194 Dibenzo(a,h)anthracene	278	17.059	17.057	0.002	85	2973433	8.00	8.06	
195 Benzo[g,h,i]perylene	276	17.592	17.585	0.007	96	2974339	8.00	8.06	a
S 263 3-Methylphenol	1				0		8.00	6.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:13

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827368.D

Injection Date: 03-Dec-2021 12:31:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: LCS 480-607419/2-A

Worklist Smp#: 8

Client ID:

Injection Vol: 2.0 ul

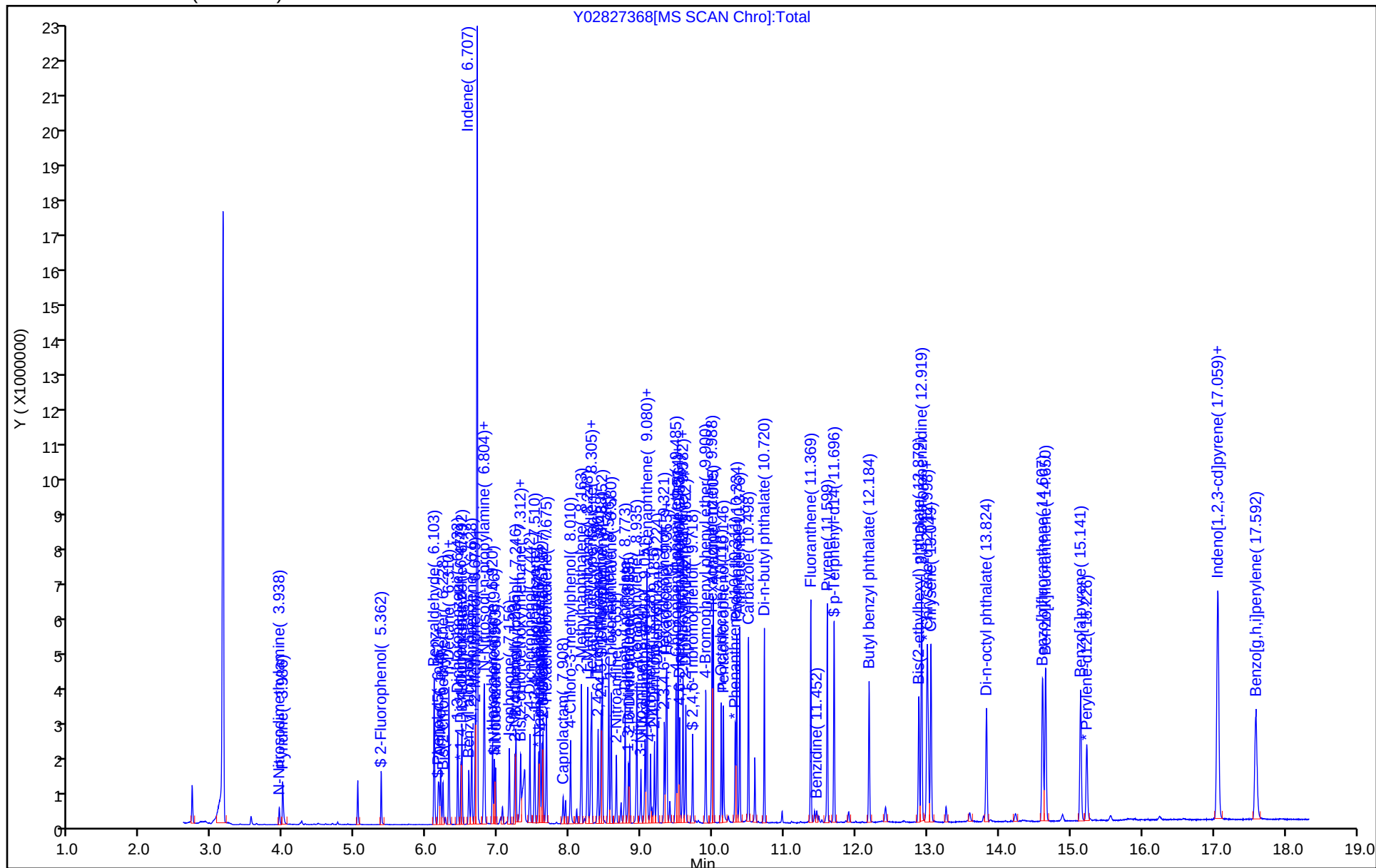
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



12/08/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827368.D

Injection Date: 03-Dec-2021 12:31:30

Instrument ID: HP5973Y

Lims ID: LCS 480-607419/2-A

Client ID:

Operator ID: JM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 2.0 ul

Dil. Factor:

1.0000

Method: Y-LVI-8270

Limit Group:

MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector

MS SCAN

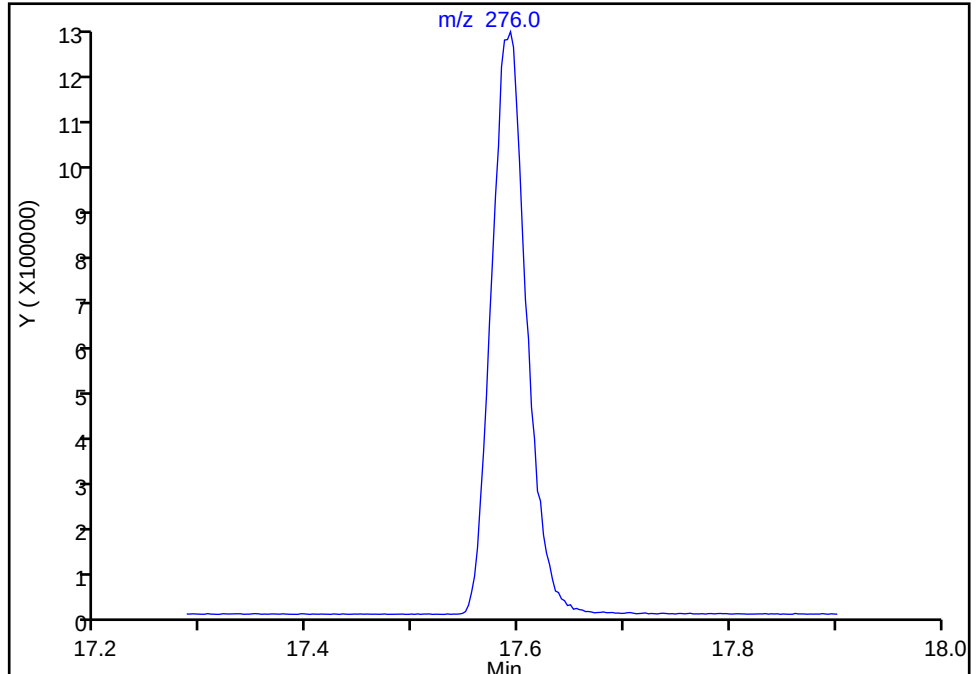
195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

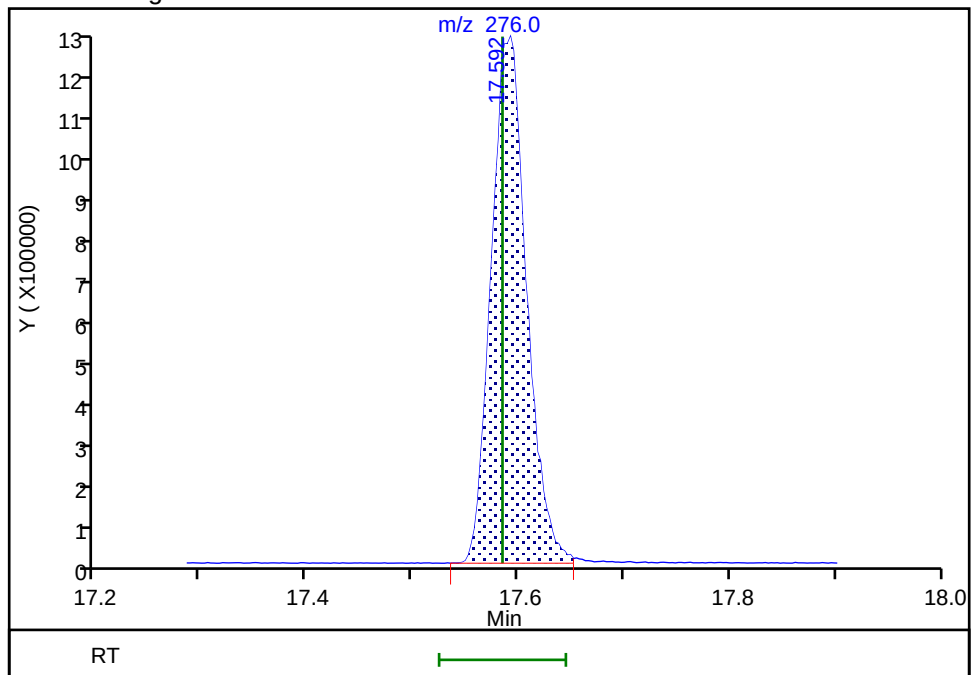
Not Detected

Expected RT: 17.58

Processing Integration Results



Manual Integration Results



RT: 17.59

Area: 2974339

Amount: 8.056255

Amount Units: ng/uL

Reviewer: marshallj, 03-Dec-2021 12:54:46

Audit Action: Assigned Compound ID

Audit Reason: Wrong peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-192935-1</u>
SDG No.: _____	
Client Sample ID: <u>PRMW-2D-113021 MS</u>	Lab Sample ID: <u>480-192935-2 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y02827369.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>11/30/2021 09:00</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>12/02/2021 14:29</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>12/03/2021 12:58</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>2 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>607479</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	30.1		5.0	0.41
208-96-8	Acenaphthylene	27.9		5.0	0.38
120-12-7	Anthracene	30.2		5.0	0.28
56-55-3	Benzo[a]anthracene	25.3		5.0	0.36
50-32-8	Benzo[a]pyrene	20.7		5.0	0.47
205-99-2	Benzo[b]fluoranthene	22.7		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	23.9		5.0	0.35
207-08-9	Benzo[k]fluoranthene	22.0		5.0	0.73
218-01-9	Chrysene	24.9		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	23.6		5.0	0.42
206-44-0	Fluoranthene	30.9		5.0	0.40
86-73-7	Fluorene	31.7		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	23.2		5.0	0.47
91-20-3	Naphthalene	28.0		5.0	0.76
85-01-8	Phenanthrene	29.2		5.0	0.44
129-00-0	Pyrene	29.3		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	93		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	87		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	77		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827369.D
 Lims ID: 480-192935-A-2-A MS
 Client ID: PRMW-2D-113021
 Sample Type: MS
 Inject. Date: 03-Dec-2021 12:58:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-009
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 12:40:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.478	6.475	0.003	92	256166	4.00	4.00	
* 2 Naphthalene-d8	136	7.565	7.565	0.000	98	920923	4.00	4.00	
* 3 Acenaphthene-d10	164	9.052	9.052	0.000	92	568286	4.00	4.00	
* 4 Phenanthrene-d10	188	10.312	10.311	0.001	94	1054614	4.00	4.00	
* 5 Chrysene-d12	240	13.011	13.004	0.007	96	1078547	4.00	4.00	
* 6 Perylene-d12	264	15.227	15.221	0.007	98	1277412	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.363	5.346	0.017	88	393251	8.00	5.73	
\$ 8 Phenol-d5	99	6.161	6.158	0.003	0	342786	8.00	4.34	
\$ 9 Nitrobenzene-d5	82	6.947	6.947	0.000	86	525634	8.00	6.93	
\$ 10 2-Fluorobiphenyl	172	8.453	8.453	0.000	98	1434013	8.00	7.45	
\$ 11 2,4,6-Tribromophenol	330	9.719	9.716	0.003	87	389435	8.00	9.16	
\$ 12 p-Terphenyl-d14	244	11.694	11.694	0.000	96	1726242	8.00	6.13	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88	3.544	3.476	0.068	86	109880	8.00	4.66	a
14 N-Nitrosodimethylamine	42	3.936	3.896	0.040	88	159721	8.00	5.69	
15 Pyridine	52	3.987	3.936	0.051	95	263990	16.0	8.73	
18 1-Methylcyclopentanol	71		4.617					ND	
19 2-Picoline	93		4.767					ND	
20 N-Nitrosomethylethylamine	88		4.875					ND	
24 Acrylamide	71		5.153					ND	
22 Methyl methanesulfonate	80		5.164					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87	5.341	5.306	0.035	57	91		NC	
26 4-Chloropyridine	78		5.475					ND	
196 CBF-400	214		5.530					ND	
28 N-Nitrosodiethylamine	102		5.533					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
30 Ethyl methanesulfonate	79		5.791					ND	
31 2-Chloropyridine	78		5.922					ND	
257 CBF-500	161		5.944					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
35 Benzaldehyde	77	6.101	6.104	-0.003	93	641356	16.0	14.4	
34 4-Chlorotoluene	91		6.134					ND	
37 Phenol	94	6.172	6.169	0.003	98	399244	8.00	4.93	
36 Aniline	93	6.195	6.195	0.000	95	594626	8.00	6.01	
39 Bis(2-chloroethyl)ether	93	6.226	6.226	0.000	99	416257	8.00	7.27	
38 Pentachloroethane	167		6.237					ND	
41 n-Decane	57	6.308	6.305	0.003	86	266738	8.00	5.04	
40 2-Chlorophenol	128	6.311	6.308	0.003	93	561257	8.00	7.13	
42 p-Fluoroaniline	111		6.408					ND	
43 1,3-Dichlorobenzene	146	6.433	6.433	0.000	98	638622	8.00	6.74	
44 1,4-Dichlorobenzene	146	6.493	6.493	0.000	95	634644	8.00	6.62	
45 Benzyl alcohol	108	6.589	6.586	0.003	95	274640	8.00	6.18	
46 1,2-Dichlorobenzene	146	6.629	6.629	0.000	98	627742	8.00	6.86	
48 2-Methylphenol	108	6.680	6.674	0.006	95	441590	8.00	6.79	
49 2,2'-oxybis[1-chloropropane]	45	6.686	6.686	0.000	83	321630	8.00	5.84	
47 Indene	115	6.705	6.703	0.002	87	7377129	64.0	55.0	
50 N-Nitrosopyrrolidine	100		6.784					ND	U
53 N-Nitrosodi-n-propylamine	70	6.796	6.796	0.000	81	285210	8.00	7.51	
57 4-Methylphenol	108	6.805	6.802	0.003	96	452301	8.00	6.70	
52 Acetophenone	105	6.810	6.808	0.002	96	699201	8.00	7.55	
54 N-Nitrosomorpholine	56		6.813					ND	
56 2-Toluidine	106		6.841					ND	U
51 N-Methylaniline	106		6.855					ND	
55 4-Methylbenzenamine	106		6.859					ND	
58 Hexachloroethane	117	6.921	6.921	0.000	88	222209	8.00	6.42	
59 Nitrobenzene	77	6.964	6.961	0.003	85	441814	8.00	6.80	
60 2,6-Dichloropyridine	112		7.071					ND	
61 N-Nitrosopiperidine	114		7.085					ND	
62 Isophorone	82	7.157	7.157	0.000	98	794812	8.00	6.99	
63 2-Chloroaniline	127		7.214					ND	
64 2-Nitrophenol	139	7.233	7.233	0.000	90	313187	8.00	7.21	
66 2,4-Dimethylphenol	107	7.247	7.247	0.000	94	550194	8.00	7.90	
68 o,o',o"-Triethylphosphorothioat	198		7.281					ND	
65 Benzeneacetonitrile	117		7.282					ND	
67 Tetraethyl lead	237		7.302					ND	
69 Bis(2-chloroethoxy)methane	93	7.313	7.313	0.000	96	499575	8.00	7.42	
70 Benzoic acid	105	7.378	7.352	0.026	86	1600173	64.0	35.2	M
282 2,4-Dichlorotoluene	125		7.383					ND	
71 alpha,alpha-Dimethyl phenethylam	150		7.406					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
72 2,4-Dichlorophenol	162	7.443	7.443	0.000	88	540541	8.00	7.89	
73 1,2,4-Trichlorobenzene	180	7.508	7.508	0.000	93	569199	8.00	7.34	
75 Alpha-Terpineol	59		7.574					ND	
74 Naphthalene	128	7.585	7.585	0.000	96	1610745	8.00	6.99	
76 4-Chloroaniline	127	7.613	7.613	0.000	98	634665	8.00	7.70	
77 2,6-Dichlorophenol	162	7.628	7.628	0.000	96	528619	8.00	7.64	
78 Hexachloropropene	213		7.655					ND	
79 Hexachlorobutadiene	225	7.673	7.676	-0.003	92	405666	8.00	7.58	
286 4-Chlorophenol	128		7.691					ND	
80 Benzeneacetic acid (TIC)	91		7.827					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
81 Quinoline	129		7.860					ND	U
82 N-Nitrosodi-n-butylamine	84		7.865					ND	U
83 p-Phenylene diamine	108		7.899					ND	
84 Caprolactam	113	7.909	7.909	0.001	89	126750	16.0	6.26	
85 4-Chloro-3-methylphenol	107	8.011	8.011	0.000	93	461448	8.00	7.88	
86 Safrole, Total	162		8.061					ND	
87 2-Methylnaphthalene	142	8.164	8.164	0.000	91	1148963	8.00	7.06	
88 Phthalic anhydride	104		8.213					ND	
89 1-Methylnaphthalene	142	8.249	8.249	0.000	92	1098768	8.00	7.38	
90 Hexachlorocyclopentadiene	237	8.294	8.294	0.000	92	289851	8.00	4.67	
281 2,4,5-Trichlorotoluene	159	8.303	8.296	0.007	0	173		NC	
91 1,2,4,5-Tetrachlorobenzene	216	8.306	8.306	0.000	95	684635	8.00	7.43	
275 Isosafrole Peak 1	162		8.308					ND	U
198 NVF-400	82		8.311					ND	
258 CU-600	58	8.280	8.316	-0.036	0	309		0.001342	
93 2,4,6-Trichlorophenol	196	8.397	8.397	0.000	83	412602	8.00	7.20	
284 2,3-Dichlorobenzenamine	161	8.414	8.412	0.002	1	644		NC	
94 2,4,5-Trichlorophenol	196	8.436	8.439	-0.003	95	481881	8.00	8.40	
277 Isosafrole Peak 2	162		8.501					ND	
95 Isosafrole	162		8.501					ND	
96 1,1'-Biphenyl	154	8.547	8.547	0.000	95	1462721	8.00	7.24	
97 2-Chloronaphthalene	162	8.578	8.581	-0.003	94	1181344	8.00	7.74	
99 1-Chloronaphthalene	162		8.603					ND	U
100 2-Nitroaniline	65	8.649	8.649	0.000	92	238864	8.00	7.18	
102 1,4-Naphthoquinone	158		8.717					ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
103 Dicyclohexylamine	138		8.732					ND	
104 1,4-Dinitrobenzene	168		8.751					ND	
105 Dimethyl phthalate	163	8.774	8.771	0.003	99	1456215	8.00	8.60	
106 1,3-Dinitrobenzene	168	8.819	8.819	0.000	95	215725	8.00	7.95	
107 2,6-Dinitrotoluene	165	8.836	8.836	0.000	90	335562	8.00	8.24	
108 Acenaphthylene	152	8.936	8.936	0.000	97	1741780	8.00	6.97	
109 3-Nitroaniline	138	8.995	8.992	0.003	91	284693	8.00	6.85	
111 2,4-Dinitrophenol	184	9.081	9.080	0.000	64	327881	16.0	13.8	
110 Acenaphthene	153	9.081	9.080	0.000	91	1249166	8.00	7.51	
112 4-Nitrophenol	109	9.129	9.126	0.003	83	245410	16.0	11.7	
114 2,4-Dinitrotoluene	165	9.183	9.183	0.000	93	443951	8.00	8.01	
113 Pentachlorobenzene	250		9.193					ND	
115 Dibenzofuran	168	9.222	9.222	0.000	96	1762678	8.00	7.70	
117 2,3,5,6-Tetrachlorophenol	232		9.284					ND	
116 1-Naphthylamine	143		9.284					ND	
118 2,3,4,6-Tetrachlorophenol	232	9.325	9.322	0.003	68	379298	8.00	7.76	
119 2-Naphthylamine	143		9.347					ND	
121 Hexadecane	57	9.347	9.347	0.000	97	336576	8.00	5.09	
120 Diethyl phthalate	149	9.359	9.356	0.003	99	1416288	8.00	8.26	
122 Thionazin	97		9.426					ND	
123 4-Chlorophenyl phenyl ether	204	9.486	9.486	0.000	85	761264	8.00	8.03	
125 N-Nitro-o-toluidine	152		9.503					ND	U
126 4-Nitroaniline	138	9.515	9.512	0.003	89	318809	8.00	7.34	
124 Fluorene	166	9.512	9.512	0.000	94	1420796	8.00	7.93	
128 Tributyl phosphate	99		9.521					ND	
127 4,6-Dinitro-2-methylphenol	198	9.535	9.534	0.001	96	506994	16.0	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169	9.583	9.583	0.000	62	1040160	8.00	7.86	
129 Diphenylamine	169	9.583	9.583	0.000	92	1040160	6.84	6.72	
131 1,2-Diphenylhydrazine	77	9.620	9.620	0.000	41	924315	8.00	6.92	
132 Azobenzene	77	9.620	9.620	0.000	97	924315	8.00	6.92	
134 Sulfotepp	322		9.673					ND	
135 1,3,5-Trinitrobenzene	213		9.786					ND	
136 Diallate	86		9.806					ND	
278 Diallate Peak 1	86		9.806					ND	
137 Phorate	75	9.793	9.815	-0.022	53	746		0.0182	
138 Phenacetin	108		9.815					ND	
280 Diallate Peak 2	86		9.889					ND	
139 4-Bromophenyl phenyl ether	248	9.901	9.901	0.001	57	540205	8.00	8.07	
141 Dimethoate	87		9.968					ND	
140 Hexachlorobenzene	284	9.989	9.988	0.001	94	680893	8.00	8.15	
142 Simazine	201		9.992					ND	
143 Atrazine	200	10.006	10.003	0.003	93	897805	16.0	16.8	
148 n-Octadecane	57	10.116	10.119	-0.003	95	349063	8.00	4.97	
144 4-Aminobiphenyl	169		10.121					ND	U
147 Pronamide	173		10.138					ND	
145 Pentachlorophenol	266	10.147	10.147	0.000	95	486188	16.0	12.4	
146 Pentachloronitrobenzene	237		10.153					ND	
149 Disulfoton	88		10.252					ND	
150 Dinoseb	211		10.263					ND	
151 Phenanthrene	178	10.335	10.332	0.003	95	2001541	8.00	7.29	
152 Anthracene	178	10.374	10.377	-0.003	95	2049489	8.00	7.54	
153 Carbazole	167	10.496	10.496	0.000	96	1810478	8.00	7.77	
155 Methyl parathion	109		10.578					ND	
154 Alachlor	160		10.591					ND	U
157 Di-n-butyl phthalate	149	10.718	10.721	-0.003	99	2244236	8.00	7.54	
288 2-Methylantracene	192	10.916	10.885	0.031	1	257		NC	
158 Ethyl Parathion	97		10.893					ND	
159 4-Nitroquinoline-1-oxide	190		10.973					ND	
161 Methapyrilene	58		10.995					ND	
160 Anthraquinone	180		11.019					ND	
162 Isodrin	193		11.225					ND	
164 Fluoranthene	202	11.368	11.368	0.000	97	2359452	8.00	7.74	
165 1-Hydroxyanthraquinone	224		11.414					ND	U
166 Benzidine	184	11.450	11.456	-0.006	98	296830	16.0	1.86	
167 Pyrene	202	11.597	11.600	-0.003	98	2389103	8.00	7.33	
276 Aramite Peak 1	185		11.620					ND	U
168 Aramite, Total	185		11.696					ND	
279 Aramite Peak 2	185		11.696					ND	U
241 5-Methyl-o-Anisidine	122	10.721	11.753	-1.032	51	34855		0.1514	
170 p-Dimethylamino azobenzene	120		11.835					ND	
171 Chlorobenzilate	251		11.864					ND	
169 1,4-Dihydroxyanthraquinone	240		11.888					ND	U
172 Famphur	218		12.157					ND	
174 Butyl benzyl phthalate	149	12.182	12.182	0.000	93	977093	8.00	7.18	
175 9-Octadecenamide	59		12.188					ND	
173 3,3'-Dimethylbenzidine	212		12.210					ND	
176 Kepone	272		12.356					ND	
177 2-Acetylaminofluorene	181		12.528					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.880	12.877	0.003	91	1168775	8.00	6.02	
178 4,4'-Methylene bis(2-chloroaniline)	231		12.897					ND	
179 3,3'-Dichlorobenzidine	252	12.917	12.914	0.003	71	1934659	16.0	14.5	
180 Benzo[a]anthracene	228	12.994	12.993	0.001	97	2062173	8.00	6.32	
182 Chrysene	228	13.047	13.047	0.000	96	1932879	8.00	6.22	
183 6-Methylchrysene	242		13.685					ND	U
184 Di-n-octyl phthalate	149	13.822	13.822	0.000	97	1917162	8.00	5.74	
185 7,12-Dimethylbenz(a)anthracene	256		14.568					ND	U
186 Benzo[b]fluoranthene	252	14.608	14.605	0.003	95	2097830	8.00	5.69	
187 Benzo[k]fluoranthene	252	14.648	14.651	-0.003	97	2052636	8.00	5.49	
192 Hexachlorophene	196		14.981					ND	
189 Benzo[a]pyrene	252	15.136	15.139	-0.003	75	1823921	8.00	5.18	
283 Benzo[e]pyrene	252	15.335	15.335	0.000	1	708		NC	
190 3-Methylcholanthrene	268		15.677					ND	
191 Dibenz[a,h]acridine	279		16.594					ND	U
193 Indeno[1,2,3-cd]pyrene	276	17.054	17.054	0.000	92	2492969	8.00	5.81	
194 Dibenz(a,h)anthracene	278	17.057	17.057	0.000	80	2182109	8.00	5.91	
195 Benzo[g,h,i]perylene	276	17.590	17.585	0.005	96	2208927	8.00	5.98	a
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		22.440					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
244 Pendimethalin	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
250 Pentachlorophenol_T	266	10.147	10.148	-0.001	95	457303		NR	
252 Benzidine_T	184	11.450	11.456	-0.006	98	297859		NR	
253 4,4'-DDE	246		11.629					ND	
254 4,4'-DDD	235		11.986					ND	
255 4,4'-DDT	235		12.344					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			13.5	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1				0		8.00	6.70	
S 262 3 & 4 Methylphenol	108				0			6.70	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 13:35:15

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-Y02827369.D

Injection Date: 03-Dec-2021 12:58:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192935-A-2-A MS

Worklist Smp#: 9

Client ID: PRMW-2D-113021

Injection Vol: 2.0 ul

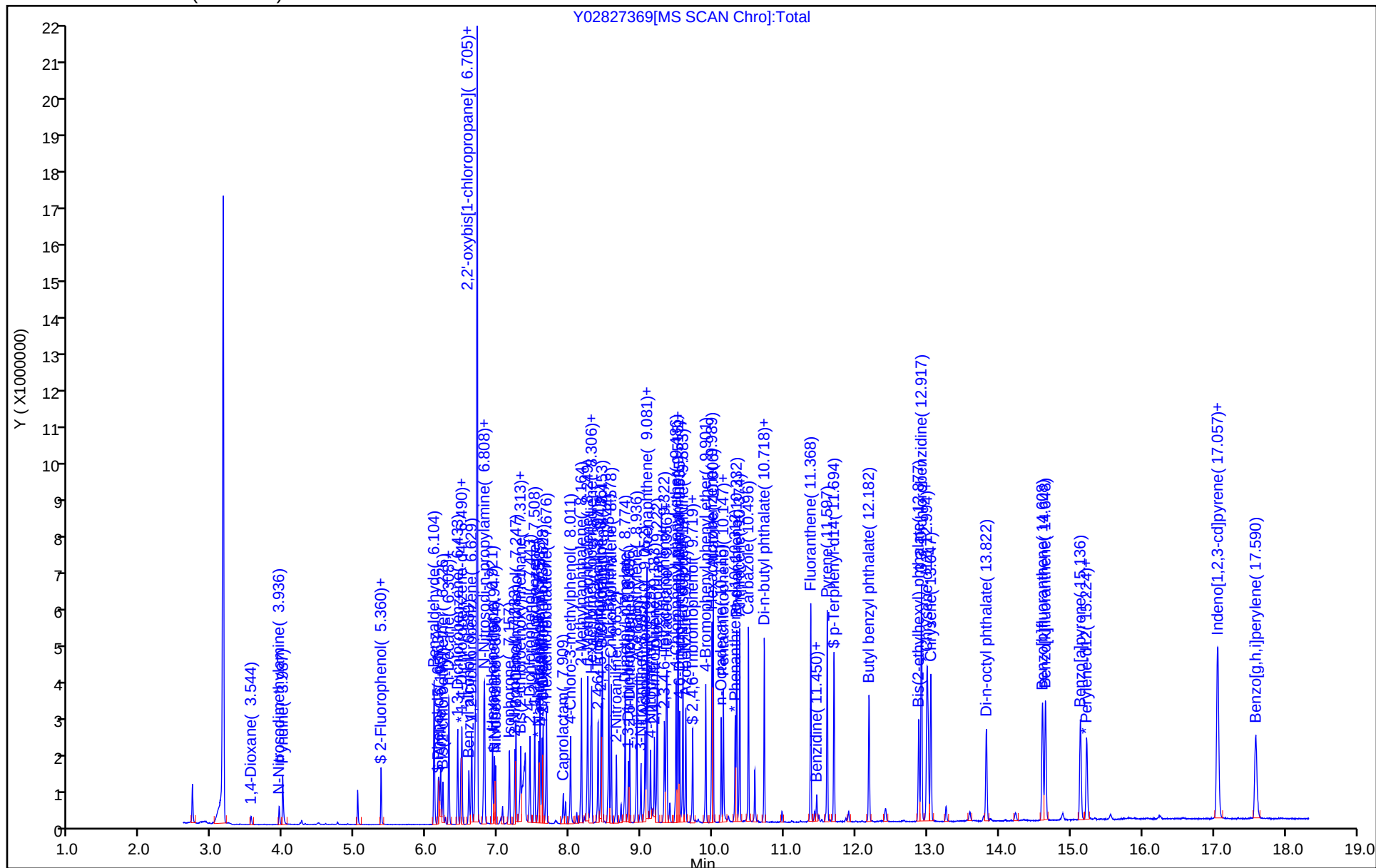
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

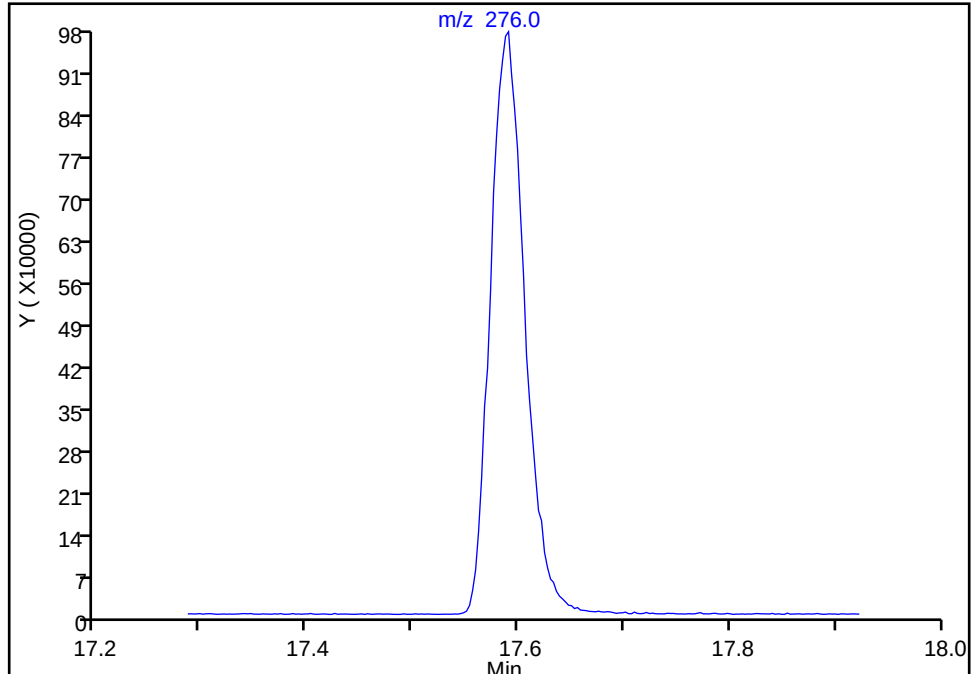
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827369.D
Injection Date: 03-Dec-2021 12:58:30 Instrument ID: HP5973Y
Lims ID: 480-192935-A-2-A MS
Client ID: PRMW-2D-113021
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

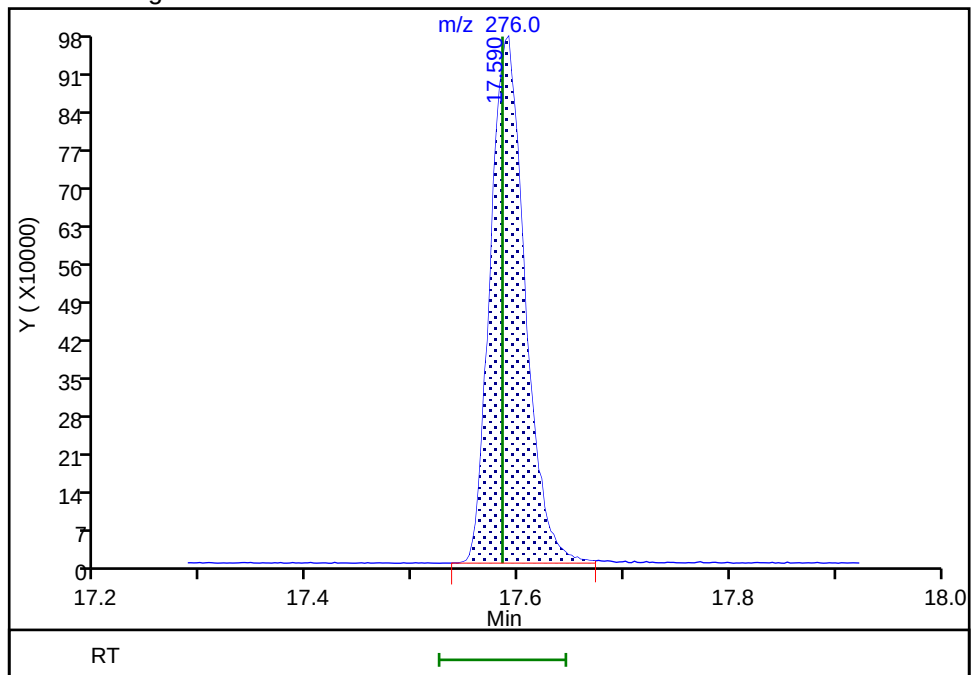
Not Detected
Expected RT: 17.58

Processing Integration Results



RT: 17.59
Area: 2208927
Amount: 5.976307
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 06-Dec-2021 12:34:11
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected
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12/08/2021

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
 SDG No.: _____
 Client Sample ID: PRMW-2D-113021 MSD Lab Sample ID: 480-192935-2 MSD
 Matrix: Water Lab File ID: Y02827370.D
 Analysis Method: 8270D Date Collected: 11/30/2021 09:00
 Extract. Method: 3510C Date Extracted: 12/02/2021 14:29
 Sample wt/vol: 250 (mL) Date Analyzed: 12/03/2021 13:26
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607479 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	30.2		5.0	0.41
208-96-8	Acenaphthylene	29.3		5.0	0.38
120-12-7	Anthracene	32.0		5.0	0.28
56-55-3	Benzo[a]anthracene	26.8		5.0	0.36
50-32-8	Benzo[a]pyrene	21.9		5.0	0.47
205-99-2	Benzo[b]fluoranthene	24.2		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	25.2		5.0	0.35
207-08-9	Benzo[k]fluoranthene	23.2		5.0	0.73
218-01-9	Chrysene	26.1		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	25.2		5.0	0.42
206-44-0	Fluoranthene	32.5		5.0	0.40
86-73-7	Fluorene	32.1		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	24.9		5.0	0.47
91-20-3	Naphthalene	27.0		5.0	0.76
85-01-8	Phenanthrene	31.6		5.0	0.44
129-00-0	Pyrene	31.3		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	97		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	77		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	78		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827370.D
 Lims ID: 480-192935-B-2-A MSD
 Client ID: PRMW-2D-113021
 Sample Type: MSD
 Inject. Date: 03-Dec-2021 13:26:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102849-010
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 06-Dec-2021 13:35:08 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1602

First Level Reviewer: marshallj

Date: 06-Dec-2021 12:47:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.478	6.475	0.003	91	262314	4.00	4.00	
* 2 Naphthalene-d8	136	7.567	7.565	0.002	98	937153	4.00	4.00	
* 3 Acenaphthene-d10	164	9.049	9.052	-0.003	90	571159	4.00	4.00	
* 4 Phenanthrene-d10	188	10.311	10.311	0.000	93	1051695	4.00	4.00	
* 5 Chrysene-d12	240	13.010	13.004	0.006	96	1078856	4.00	4.00	
* 6 Perylene-d12	264	15.223	15.221	0.003	99	1260943	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.360	5.346	0.014	88	357318	8.00	5.08	
\$ 8 Phenol-d5	99	6.160	6.158	0.002	0	328933	8.00	4.06	
\$ 9 Nitrobenzene-d5	82	6.946	6.947	-0.001	86	477300	8.00	6.18	
\$ 10 2-Fluorobiphenyl	172	8.453	8.453	0.000	98	1499301	8.00	7.74	
\$ 11 2,4,6-Tribromophenol	330	9.718	9.716	0.002	87	423147	8.00	9.97	
\$ 12 p-Terphenyl-d14	244	11.693	11.694	-0.001	96	1746717	8.00	6.20	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88	3.541	3.476	0.065	86	101609	8.00	4.21	a
14 N-Nitrosodimethylamine	42	3.933	3.896	0.036	89	147940	8.00	5.14	
15 Pyridine	52	3.981	3.936	0.045	96	270569	16.0	8.74	
18 1-Methylcyclopentanol	71		4.617					ND	
19 2-Picoline	93		4.767					ND	
20 N-Nitrosomethylethylamine	88		4.875					ND	
24 Acrylamide	71		5.153					ND	
22 Methyl methanesulfonate	80		5.164					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
26 4-Chloropyridine	78		5.475					ND	
196 CBF-400	214		5.530					ND	
28 N-Nitrosodiethylamine	102		5.533					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
30 Ethyl methanesulfonate	79		5.791					ND	
31 2-Chloropyridine	78		5.922					ND	
257 CBF-500	161		5.944					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
35 Benzaldehyde	77	6.100	6.104	-0.004	93	599974	16.0	13.2	
34 4-Chlorotoluene	91		6.134					ND	
37 Phenol	94	6.171	6.169	0.002	98	348611	8.00	4.21	
36 Aniline	93	6.194	6.195	-0.001	97	576548	8.00	5.69	
39 Bis(2-chloroethyl)ether	93	6.228	6.226	0.002	99	393275	8.00	6.71	
38 Pentachloroethane	167		6.237					ND	
41 n-Decane	57	6.308	6.305	0.003	76	246395	8.00	4.54	
40 2-Chlorophenol	128	6.310	6.308	0.002	93	523201	8.00	6.49	
42 p-Fluoroaniline	111		6.408					ND	
43 1,3-Dichlorobenzene	146	6.432	6.433	-0.001	98	611707	8.00	6.30	
44 1,4-Dichlorobenzene	146	6.492	6.493	-0.001	96	629320	8.00	6.41	
45 Benzyl alcohol	108	6.589	6.586	0.002	94	267781	8.00	5.88	
46 1,2-Dichlorobenzene	146	6.628	6.629	-0.001	98	599706	8.00	6.40	
48 2-Methylphenol	108	6.676	6.674	0.002	95	430047	8.00	6.46	
49 2,2'-oxybis[1-chloropropane]	45	6.685	6.686	-0.001	82	305171	8.00	5.41	
47 Indene	115	6.705	6.703	0.002	88	7071807	64.0	51.5	
50 N-Nitrosopyrrolidine	100		6.784					ND	
53 N-Nitrosodi-n-propylamine	70	6.796	6.796	0.000	83	276759	8.00	7.11	
57 4-Methylphenol	108	6.804	6.802	0.002	97	442437	8.00	6.40	
52 Acetophenone	105	6.810	6.808	0.002	96	678221	8.00	7.15	
54 N-Nitrosomorpholine	56		6.813					ND	
56 2-Toluidine	106		6.841					ND	
51 N-Methylaniline	106		6.855					ND	
55 4-Methylbenzenamine	106		6.859					ND	
58 Hexachloroethane	117	6.918	6.921	-0.003	90	212853	8.00	6.00	
59 Nitrobenzene	77	6.963	6.961	0.002	85	430959	8.00	6.52	
60 2,6-Dichloropyridine	112		7.071					ND	
61 N-Nitrosopiperidine	114		7.085					ND	
62 Isophorone	82	7.156	7.157	-0.001	98	804762	8.00	6.96	
63 2-Chloroaniline	127		7.214					ND	
64 2-Nitrophenol	139	7.233	7.233	0.000	89	319020	8.00	7.22	
66 2,4-Dimethylphenol	107	7.247	7.247	0.000	93	567739	8.00	8.01	
68 o,o',o"-Triethylphosphorothioate	198		7.281					ND	
65 Benzeneacetonitrile	117		7.282					ND	
67 Tetraethyl lead	237		7.302					ND	
69 Bis(2-chloroethoxy)methane	93	7.312	7.313	-0.001	95	498895	8.00	7.28	
70 Benzoic acid	105	7.380	7.352	0.028	85	1697089	64.0	36.6	M
282 2,4-Dichlorotoluene	125		7.383					ND	
71 alpha,alpha-Dimethyl phenethylamine	150		7.406					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
72 2,4-Dichlorophenol	162	7.443	7.443	0.000	89	541325	8.00	7.76	
73 1,2,4-Trichlorobenzene	180	7.511	7.508	0.003	93	587150	8.00	7.44	
75 Alpha-Terpineol	59		7.574					ND	
74 Naphthalene	128	7.585	7.585	-0.001	97	1580959	8.00	6.74	
76 4-Chloroaniline	127	7.613	7.613	0.000	97	618853	8.00	7.37	
77 2,6-Dichlorophenol	162	7.627	7.628	-0.001	96	528237	8.00	7.50	
78 Hexachloropropene	213		7.655					ND	
79 Hexachlorobutadiene	225	7.675	7.676	-0.001	92	396150	8.00	7.27	
286 4-Chlorophenol	128		7.691					ND	
80 Benzeneacetic acid (TIC)	91		7.827					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
81 Quinoline	129		7.860					ND	U
82 N-Nitrosodi-n-butylamine	84		7.865					ND	U
83 p-Phenylene diamine	108		7.899					ND	
84 Caprolactam	113	7.911	7.909	0.003	89	131448	16.0	6.37	
85 4-Chloro-3-methylphenol	107	8.010	8.011	-0.001	92	469751	8.00	7.89	
86 Safrole, Total	162		8.061					ND	
87 2-Methylnaphthalene	142	8.163	8.164	-0.001	92	1169134	8.00	7.06	
88 Phthalic anhydride	104		8.213					ND	
89 1-Methylnaphthalene	142	8.248	8.249	-0.001	93	1127452	8.00	7.45	
90 Hexachlorocyclopentadiene	237	8.294	8.294	0.000	91	294469	8.00	4.71	
281 2,4,5-Trichlorotoluene	159	8.294	8.296	-0.002	0	169		NC	
91 1,2,4,5-Tetrachlorobenzene	216	8.305	8.306	-0.001	95	691267	8.00	7.46	
275 Isosafrole Peak 1	162		8.308					ND	U
198 NVF-400	82	8.305	8.311	-0.006	0	2460		0.0105	
258 CU-600	58	8.322	8.316	0.006	0	315		0.001344	
93 2,4,6-Trichlorophenol	196	8.396	8.397	-0.001	88	448414	8.00	7.78	
284 2,3-Dichlorobenzenamine	161	8.439	8.412	0.027	51	8520		NC	
94 2,4,5-Trichlorophenol	196	8.436	8.439	-0.003	95	484115	8.00	8.39	
277 Isosafrole Peak 2	162		8.501					ND	
95 Isosafrole	162		8.501					ND	
96 1,1'-Biphenyl	154	8.546	8.547	-0.001	95	1483285	8.00	7.31	
97 2-Chloronaphthalene	162	8.580	8.581	-0.001	95	1171135	8.00	7.64	
99 1-Chloronaphthalene	162		8.603					ND	U
100 2-Nitroaniline	65	8.651	8.649	0.002	92	252348	8.00	7.55	
102 1,4-Naphthoquinone	158		8.717					ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
103 Dicyclohexylamine	138		8.732					ND	
104 1,4-Dinitrobenzene	168		8.751					ND	
105 Dimethyl phthalate	163	8.773	8.771	0.002	99	1468196	8.00	8.63	
106 1,3-Dinitrobenzene	168	8.819	8.819	0.000	98	243320	8.00	8.79	
107 2,6-Dinitrotoluene	165	8.839	8.836	0.003	90	348750	8.00	8.52	
108 Acenaphthylene	152	8.935	8.936	-0.001	97	1839338	8.00	7.33	
109 3-Nitroaniline	138	8.995	8.992	0.003	91	308016	8.00	7.37	
111 2,4-Dinitrophenol	184	9.080	9.080	0.000	80	381668	16.0	15.9	
110 Acenaphthene	153	9.080	9.080	0.000	90	1262782	8.00	7.56	
112 4-Nitrophenol	109	9.128	9.126	0.002	81	269985	16.0	12.8	
114 2,4-Dinitrotoluene	165	9.185	9.183	0.002	94	467321	8.00	8.39	
113 Pentachlorobenzene	250		9.193					ND	
115 Dibenzofuran	168	9.222	9.222	0.000	96	1759493	8.00	7.65	
117 2,3,5,6-Tetrachlorophenol	232		9.284					ND	
116 1-Naphthylamine	143		9.284					ND	
118 2,3,4,6-Tetrachlorophenol	232	9.324	9.322	0.002	68	426559	8.00	8.66	
119 2-Naphthylamine	143		9.347					ND	
121 Hexadecane	57	9.347	9.347	0.000	97	334738	8.00	5.04	
120 Diethyl phthalate	149	9.358	9.356	0.002	99	1504468	8.00	8.73	
122 Thionazin	97		9.426					ND	
123 4-Chlorophenyl phenyl ether	204	9.486	9.486	0.000	86	780701	8.00	8.19	
125 N-Nitro-o-toluidine	152		9.503					ND	
126 4-Nitroaniline	138	9.514	9.512	0.002	93	356460	8.00	8.17	
124 Fluorene	166	9.514	9.512	0.002	94	1445879	8.00	8.03	
128 Tributyl phosphate	99		9.521					ND	
127 4,6-Dinitro-2-methylphenol	198	9.537	9.534	0.003	95	559494	16.0	17.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169	9.582	9.583	-0.001	62	1105270	8.00	8.37	
129 Diphenylamine	169	9.582	9.583	-0.001	92	1105270	6.84	7.16	
131 1,2-Diphenylhydrazine	77	9.622	9.620	0.002	41	959782	8.00	7.21	
132 Azobenzene	77	9.622	9.620	0.002	96	959782	8.00	7.21	
134 Sulfotepp	322		9.673					ND	
135 1,3,5-Trinitrobenzene	213		9.786					ND	
136 Diallate	86		9.806					ND	
278 Diallate Peak 1	86		9.806					ND	
137 Phorate	75		9.815					ND	
138 Phenacetin	108		9.815					ND	
280 Diallate Peak 2	86		9.889					ND	
139 4-Bromophenyl phenyl ether	248	9.900	9.901	0.000	57	561693	8.00	8.41	
141 Dimethoate	87		9.968					ND	
140 Hexachlorobenzene	284	9.988	9.988	0.000	94	712172	8.00	8.55	
142 Simazine	201		9.992					ND	
143 Atrazine	200	10.005	10.003	0.002	93	929634	16.0	17.3	
148 n-Octadecane	57	10.116	10.119	-0.003	97	375044	8.00	5.36	
144 4-Aminobiphenyl	169		10.121					ND	U
147 Pronamide	173		10.138					ND	
145 Pentachlorophenol	266	10.147	10.147	0.000	95	520575	16.0	13.3	
146 Pentachloronitrobenzene	237		10.153					ND	
149 Disulfoton	88		10.252					ND	U
150 Dinoseb	211		10.263					ND	
151 Phenanthrene	178	10.334	10.332	0.002	95	2160164	8.00	7.89	
152 Anthracene	178	10.377	10.377	0.000	95	2166649	8.00	8.00	
153 Carbazole	167	10.496	10.496	0.000	96	1959412	8.00	8.44	
155 Methyl parathion	109		10.578					ND	U
154 Alachlor	160		10.591					ND	U
157 Di-n-butyl phthalate	149	10.720	10.721	-0.001	99	2446336	8.00	8.25	
288 2-Methylantracene	192	10.834	10.885	-0.051	1	712		NC	
158 Ethyl Parathion	97		10.893					ND	
159 4-Nitroquinoline-1-oxide	190		10.973					ND	
161 Methapyrilene	58		10.995					ND	
160 Anthraquinone	180		11.019					ND	
162 Isodrin	193		11.225					ND	
164 Fluoranthene	202	11.370	11.368	0.002	97	2471449	8.00	8.13	
165 1-Hydroxyanthraquinone	224		11.414					ND	U
166 Benzidine	184	11.452	11.456	-0.004	98	902043	16.0	5.66	
167 Pyrene	202	11.600	11.600	0.000	98	2555090	8.00	7.84	
276 Aramite Peak 1	185		11.620					ND	U
168 Aramite, Total	185		11.696					ND	
279 Aramite Peak 2	185		11.696					ND	U
241 5-Methyl-o-Anisidine	122		11.753					ND	
170 p-Dimethylamino azobenzene	120		11.835					ND	
171 Chlorobenzilate	251		11.864					ND	
169 1,4-Dihydroxyanthraquinone	240		11.888					ND	
172 Famphur	218		12.157					ND	
174 Butyl benzyl phthalate	149	12.184	12.182	0.002	93	1057025	8.00	7.76	
175 9-Octadecenamide	59		12.188					ND	
173 3,3'-Dimethylbenzidine	212		12.210					ND	
176 Kepone	272		12.356					ND	
177 2-Acetylaminofluorene	181		12.528					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.879	12.877	0.002	92	1195339	8.00	6.16	
178 4,4'-Methylene bis(2-chloroaniline)	231		12.897					ND	U
179 3,3'-Dichlorobenzidine	252	12.919	12.914	0.005	72	2035243	16.0	15.3	
180 Benzo[a]anthracene	228	12.993	12.993	0.000	97	2188124	8.00	6.71	
182 Chrysene	228	13.050	13.047	0.003	96	2028438	8.00	6.53	
183 6-Methylchrysene	242		13.685					ND	U
184 Di-n-octyl phthalate	149	13.822	13.822	0.000	97	2078856	8.00	6.21	
185 7,12-Dimethylbenz(a)anthracene	256		14.568					ND	
186 Benzo[b]fluoranthene	252	14.608	14.605	0.003	95	2203920	8.00	6.05	
187 Benzo[k]fluoranthene	252	14.647	14.651	-0.004	97	2138735	8.00	5.79	
192 Hexachlorophene	196		14.981					ND	
189 Benzo[a]pyrene	252	15.141	15.139	0.002	75	1905353	8.00	5.48	
283 Benzo[e]pyrene	252	15.323	15.335	-0.012	1	958		NC	
190 3-Methylcholanthrene	268		15.677					ND	
191 Dibenz[a,h]acridine	279		16.594					ND	
193 Indeno[1,2,3-cd]pyrene	276	17.056	17.054	0.002	93	2638985	8.00	6.23	
194 Dibenz(a,h)anthracene	278	17.056	17.057	-0.001	80	2299242	8.00	6.31	
195 Benzo[g,h,i]perylene	276	17.587	17.585	0.002	97	2298352	8.00	6.30	M
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		22.440					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
244 Pendimethalin	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
250 Pentachlorophenol_T	266	10.147	10.148	-0.001	95	521816		NR	
252 Benzidine_T	184	11.452	11.456	-0.004	98	885242		NR	
253 4,4'-DDE	246		11.629					ND	
254 4,4'-DDD	235		11.986					ND	
255 4,4'-DDT	235		12.344					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			12.9	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1				0		8.00	6.40	
S 262 3 & 4 Methylphenol	108				0			6.40	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Chrom Revision: 2.3 15-Nov-2021 20:34:30

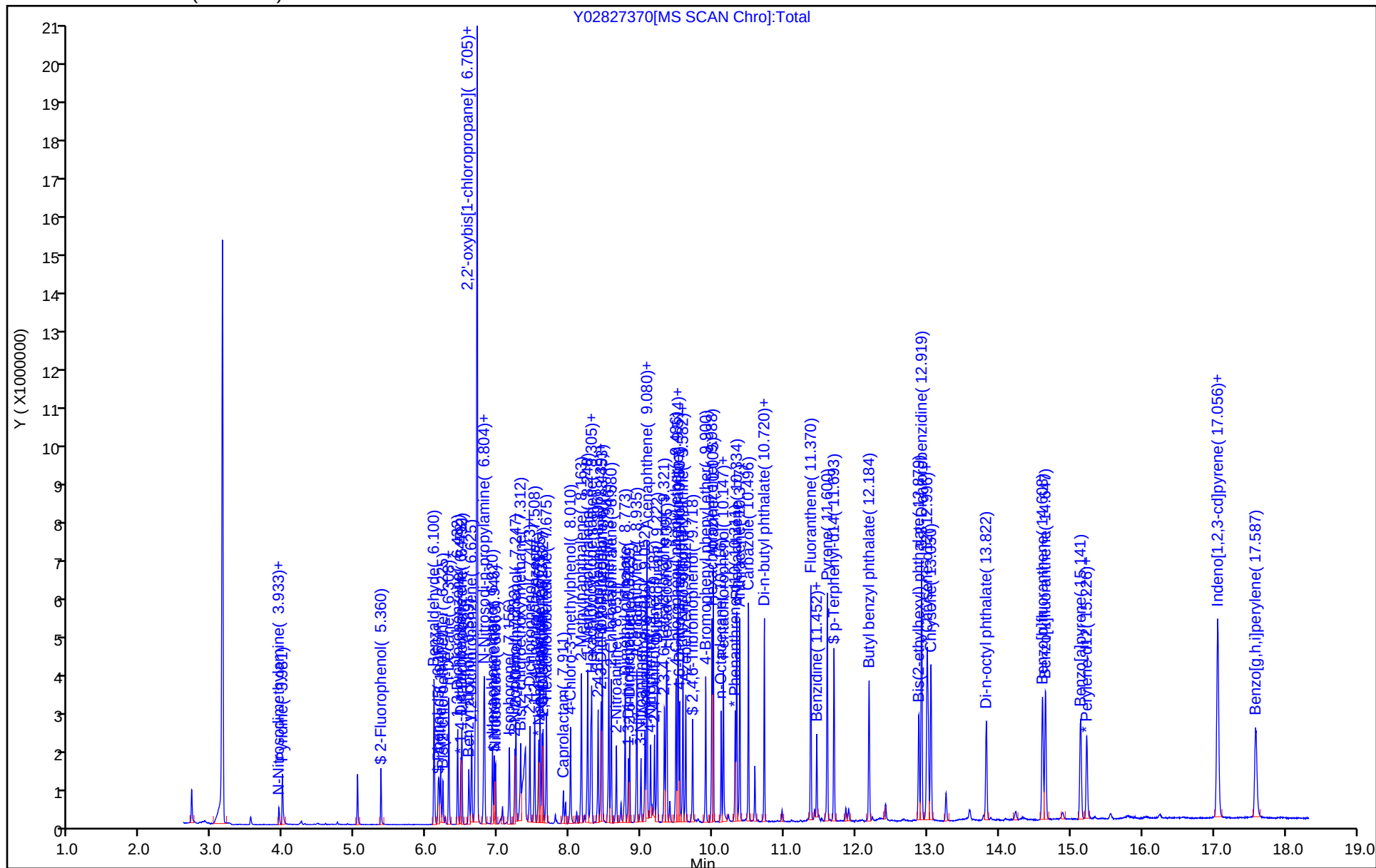
Operator ID: JM

Worklist Smp#: 10

ALS Bottle#: 10

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211203-102849.b\Y02827370.D

Injection Date: 03-Dec-2021 13:26:30

Instrument ID: HP5973Y

Lims ID: 480-192935-B-2-A MSD

Client ID: PRMW-2D-113021

Operator ID: JM

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

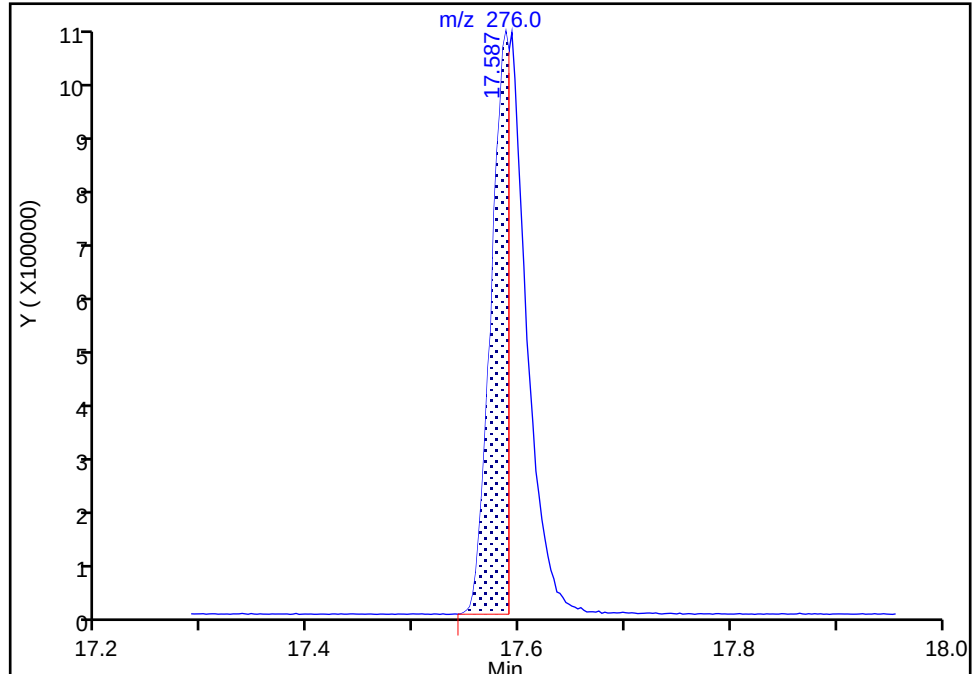
Detector: MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

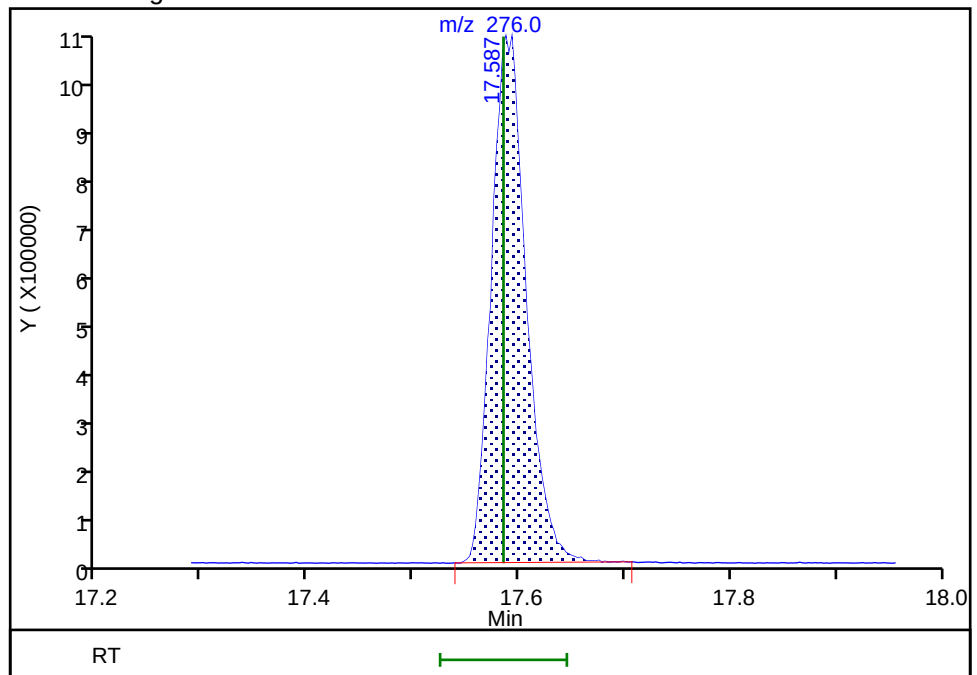
RT: 17.59
Area: 1203181
Amount: 3.297752
Amount Units: ng/uL

Processing Integration Results



RT: 17.59
Area: 2298352
Amount: 6.299464
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 06-Dec-2021 12:40:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-192935-1

SDG No.: _____

Instrument ID: HP5973YStart Date: 11/12/2021 10:55Analysis Batch Number: 604656End Date: 11/12/2021 22:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-604656/2		11/12/2021 10:55	1	Y02826635.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/3		11/12/2021 11:23	1	Y02826636.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/4		11/12/2021 11:50	1	Y02826637.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/5		11/12/2021 12:17	1	Y02826638.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/6		11/12/2021 12:44	1	Y02826639.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-604656/7		11/12/2021 13:12	1	Y02826640.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/8		11/12/2021 13:39	1	Y02826641.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/9		11/12/2021 14:06	1	Y02826642.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/10		11/12/2021 14:33	1	Y02826643.D	RXI-5Sil MS 0.25 (mm)
ICV 480-604656/11		11/12/2021 15:00	1	Y02826644.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/12		11/12/2021 15:27	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/13		11/12/2021 15:55	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/14		11/12/2021 16:22	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/15		11/12/2021 16:49	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/16		11/12/2021 17:16	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/17		11/12/2021 17:43	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/18		11/12/2021 18:10	1		RXI-5Sil MS 0.25 (mm)
ICV 480-604656/19		11/12/2021 18:37	1		RXI-5Sil MS 0.25 (mm)
ICV 480-604656/20		11/12/2021 19:05	1		RXI-5Sil MS 0.25 (mm)
CCVIS 480-604656/21		11/12/2021 19:32	1		RXI-5Sil MS 0.25 (mm)
CCV 480-604656/22		11/12/2021 19:59	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 20:26	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 20:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 21:21	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 21:48	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 22:15	50		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 22:42	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG No.:

Instrument ID: HP5973Y

Start Date: 12/03/2021 09:48

Analysis Batch Number: 607479

End Date: 12/03/2021 21:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-607479/2		12/03/2021 09:48	1	Y02827362.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-607479/3		12/03/2021 10:15	1	Y02827363.D	RXI-5Sil MS 0.25 (mm)
CCV 480-607479/5		12/03/2021 11:10	1		RXI-5Sil MS 0.25 (mm)
MB 480-607419/1-A		12/03/2021 12:04	1	Y02827367.D	RXI-5Sil MS 0.25 (mm)
LCS 480-607419/2-A		12/03/2021 12:31	1	Y02827368.D	RXI-5Sil MS 0.25 (mm)
480-192935-2 MS	PRMW-2D-113021 MS	12/03/2021 12:58	1	Y02827369.D	RXI-5Sil MS 0.25 (mm)
480-192935-2 MSD	PRMW-2D-113021 MSD	12/03/2021 13:26	1	Y02827370.D	RXI-5Sil MS 0.25 (mm)
480-192935-2	PRMW-2D-113021	12/03/2021 13:53	1	Y02827371.D	RXI-5Sil MS 0.25 (mm)
480-192935-1	PRMW-1S-112921	12/03/2021 14:21	1	Y02827372.D	RXI-5Sil MS 0.25 (mm)
480-192935-3	PRMW-2S-113021	12/03/2021 14:48	1	Y02827373.D	RXI-5Sil MS 0.25 (mm)
480-192935-4	PRMW-3D-113021	12/03/2021 15:15	1	Y02827374.D	RXI-5Sil MS 0.25 (mm)
480-192935-5	PRMW-3S-113021	12/03/2021 15:43	1	Y02827375.D	RXI-5Sil MS 0.25 (mm)
480-192935-6	PRMW-4S-112921	12/03/2021 16:10	1	Y02827376.D	RXI-5Sil MS 0.25 (mm)
480-192935-7	DUP-112921	12/03/2021 16:37	1	Y02827377.D	RXI-5Sil MS 0.25 (mm)
480-192935-8	PRMW-5D-113021	12/03/2021 17:04	1	Y02827378.D	RXI-5Sil MS 0.25 (mm)
480-192935-9	PRMW-5S-113021	12/03/2021 17:32	1	Y02827379.D	RXI-5Sil MS 0.25 (mm)
480-192935-10	PRMW-6D-113021	12/03/2021 17:59	1	Y02827380.D	RXI-5Sil MS 0.25 (mm)
480-192935-11	PRMW-6S-113021	12/03/2021 18:26	1	Y02827381.D	RXI-5Sil MS 0.25 (mm)
480-192935-12	TMW-1D-113021	12/03/2021 18:53	1	Y02827382.D	RXI-5Sil MS 0.25 (mm)
480-192935-13	EB-120121	12/03/2021 19:21	1	Y02827383.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		12/03/2021 19:48	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		12/03/2021 20:15	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		12/03/2021 20:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		12/03/2021 21:09	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		12/03/2021 21:37	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 607419 Batch Start Date: 12/02/21 14:29 Batch Analyst: Harm, Aaron DBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8270LL LCS 00124
MB 480-607419/1		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	
LCS 480-607419/2		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192935-A-2 MS	PRMW-2D-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192935-B-2 MSD	PRMW-2D-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192935-A-2	PRMW-2D-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-B-1	PRMW-1S-112921	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-A-3	PRMW-2S-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-B-4	PRMW-3D-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-A-5	PRMW-3S-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-A-6	PRMW-4S-112921	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-A-7	DUP-112921	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-B-8	PRMW-5D-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-A-9	PRMW-5S-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-B-10	PRMW-6D-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-A-11	PRMW-6S-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-B-12	TMW-1D-113021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192935-A-13	EB-120121	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00087					
MB 480-607419/1		3510C, 8270D		1 mL					
LCS 480-607419/2		3510C, 8270D		1 mL					
480-192935-A-2 MS	PRMW-2D-113021	3510C, 8270D	T	1 mL					
480-192935-B-2 MSD	PRMW-2D-113021	3510C, 8270D	T	1 mL					
480-192935-A-2	PRMW-2D-113021	3510C, 8270D	T	1 mL					
480-192935-B-1	PRMW-1S-112921	3510C, 8270D	T	1 mL					
480-192935-A-3	PRMW-2S-113021	3510C, 8270D	T	1 mL					
480-192935-B-4	PRMW-3D-113021	3510C, 8270D	T	1 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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 607419 Batch Start Date: 12/02/21 14:29 Batch Analyst: Harm, Aaron DBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LSurr 00087					
480-192935-A-5	PRMW-3S-113021	3510C, 8270D	T	1 mL					
480-192935-A-6	PRMW-4S-112921	3510C, 8270D	T	1 mL					
480-192935-A-7	DUP-112921	3510C, 8270D	T	1 mL					
480-192935-B-8	PRMW-5D-113021	3510C, 8270D	T	1 mL					
480-192935-A-9	PRMW-5S-113021	3510C, 8270D	T	1 mL					
480-192935-B-10	PRMW-6D-113021	3510C, 8270D	T	1 mL					
480-192935-A-11	PRMW-6S-113021	3510C, 8270D	T	1 mL					
480-192935-B-12	TMW-1D-113021	3510C, 8270D	T	1 mL					
480-192935-A-13	EB-120121	3510C, 8270D	T	1 mL					

Batch Notes	
Method/Fraction	3510C_LVI/8270D
Analyst ID - Extraction	CC
Analyst ID - Spike Analyst	CC
Analyst ID - Spike Witness Analyst	CC
Sufficient Volume for Batch QC	No
Acid Used for pH Adjustment ID	6650797
Base Used to Adjust pH ID	6781594
Prep Solvent ID	6793858
Prep Solvent Volume Used	120 mL
Na2SO4 ID	6673813
Analyst ID - Concentration	AH,CC
Vial Lot Number	00259742

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.

8270D

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo

Job Number: 480-192935-1

SDG No.:

Project: NYSEG - Penn Yan Water St. MGP

Client Sample ID

PRMW-1S-112921
PRMW-2D-113021
PRMW-2S-113021
PRMW-3D-113021
PRMW-3S-113021
PRMW-4S-112921
DUP-112921
PRMW-5D-113021
PRMW-5S-113021
PRMW-6D-113021
PRMW-6S-113021
TMW-1D-113021
EB-120121

Lab Sample ID

480-192935-1
480-192935-2
480-192935-3
480-192935-4
480-192935-5
480-192935-6
480-192935-7
480-192935-8
480-192935-9
480-192935-10
480-192935-11
480-192935-12
480-192935-13

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-1S-112921 Lab Sample ID: 480-192935-1
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG ID.: _____
Matrix: Water Date Sampled: 11/29/2021 15:35
Reporting Basis: WET Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-2D-113021

Lab Sample ID: 480-192935-2

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG ID.:

Matrix: Water

Date Sampled: 11/30/2021 09:00

Reporting Basis: WET

Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-2S-113021

Lab Sample ID: 480-192935-3

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG ID.:

Matrix: Water

Date Sampled: 11/30/2021 10:10

Reporting Basis: WET

Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.090	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-3D-113021 Lab Sample ID: 480-192935-4
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG ID.: _____
Matrix: Water Date Sampled: 11/30/2021 11:35
Reporting Basis: WET Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-3S-113021

Lab Sample ID: 480-192935-5

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG ID.:

Matrix: Water

Date Sampled: 11/30/2021 12:15

Reporting Basis: WET

Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.27	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-4S-112921 Lab Sample ID: 480-192935-6
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG ID.: _____
Matrix: Water Date Sampled: 11/29/2021 14:55
Reporting Basis: WET Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DUP-112921 Lab Sample ID: 480-192935-7
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG ID.:
Matrix: Water Date Sampled: 11/29/2021 14:55
Reporting Basis: WET Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-5D-113021 Lab Sample ID: 480-192935-8
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG ID.: _____
Matrix: Water Date Sampled: 11/30/2021 10:30
Reporting Basis: WET Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-5S-113021

Lab Sample ID: 480-192935-9

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG ID.:

Matrix: Water

Date Sampled: 11/30/2021 11:25

Reporting Basis: WET

Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-6D-113021 Lab Sample ID: 480-192935-10
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG ID.: _____
Matrix: Water Date Sampled: 11/30/2021 08:35
Reporting Basis: WET Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PRMW-6S-113021 Lab Sample ID: 480-192935-11
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG ID.: _____
Matrix: Water Date Sampled: 11/30/2021 09:35
Reporting Basis: WET Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.051	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TMW-1D-113021

Lab Sample ID: 480-192935-12

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG ID.: _____

Matrix: Water

Date Sampled: 11/30/2021 12:25

Reporting Basis: WET

Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EB-120121 Lab Sample ID: 480-192935-13
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1
SDG ID.:
Matrix: Water Date Sampled: 12/01/2021 13:00
Reporting Basis: WET Date Received: 12/02/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG No.: _____

Analyst: RJM

Batch Start Date: 12/02/2021

Reporting Units: mg/L

Analytical Batch No.: 607418

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	13:45	Cyanide, Total	0.273	0.250	109	90-110		CN CCV_01601
2	CCB	13:46	Cyanide, Total	ND					
25	CCV	14:20	Cyanide, Total	0.271	0.250	108	90-110		CN CCV_01601
26	CCB	14:21	Cyanide, Total	ND					

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 607418 Date: 12/02/2021 13:48 Prep Batch: 607390 Date: 12/02/2021 12:47							
9012B	MB 480-607390/1-A	Cyanide, Total	ND		mg/L	0.010	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 607418 Date: 12/02/2021 13:55 Prep Batch: 607390 Date: 12/02/2021 12:47											
9012B	480-192935-2	Cyanide, Total	ND		mg/L						
9012B	480-192935-2	Cyanide, Total	0.110		mg/L	0.100	110	90-110			
MS											

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 607418 Date: 12/02/2021 13:56 Prep Batch: 607390 Date: 12/02/2021 12:47											
9012B	480-192935-2	Cyanide, Total	0.109		mg/L	0.100	109	90-110	1	15	
MSD											

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 607418 Date: 12/02/2021 13:49 Prep Batch: 607390 Date: 12/02/2021 12:47											
LCS Source: LCS 400_00220											
9012B	LCS 480-607390/2-A	Cyanide, Total	0.410		mg/L	0.400	103	90-110			
Batch ID: 607418 Date: 12/02/2021 13:51 Prep Batch: 607390 Date: 12/02/2021 12:47											
LCS Source: CN LCS 250_00231											
9012B	LCS 480-607390/3-A	Cyanide, Total	0.252		mg/L	0.250	101	90-110			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo

Job Number: 480-192935-1

SDG Number: _____

Matrix: Water

Instrument ID: LACHAT2

Method: 9012B

MDL Date: 01/29/2010 00:00

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-192935-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT2
Method: 9012B XMDL Date: 01/29/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192935-1

SDG No.: _____

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-607390/1-A	12/02/2021 12:47	607390		6	6
LCS 480-607390/2-A	12/02/2021 12:47	607390		6	6
LCS 480-607390/3-A	12/02/2021 12:47	607390		6	6
480-192935-2	12/02/2021 12:47	607390		6	6
480-192935-2 MS	12/02/2021 12:47	607390		6	6
480-192935-2 MSD	12/02/2021 12:47	607390		6	6
480-192935-1	12/02/2021 12:47	607390		6	6
480-192935-3	12/02/2021 12:47	607390		6	6
480-192935-4	12/02/2021 12:47	607390		6	6
480-192935-5	12/02/2021 12:47	607390		6	6
480-192935-6	12/02/2021 12:47	607390		6	6
480-192935-7	12/02/2021 12:47	607390		6	6
480-192935-8	12/02/2021 12:47	607390		6	6
480-192935-9	12/02/2021 12:47	607390		6	6
480-192935-10	12/02/2021 12:47	607390		6	6
480-192935-11	12/02/2021 12:47	607390		6	6
480-192935-12	12/02/2021 12:47	607390		6	6
480-192935-13	12/02/2021 12:47	607390		6	6

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012B

Start Date: 12/02/2021 13:45 End Date: 12/02/2021 14:21

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
CCV 480-607418/1	1		13:45	X															
CCB 480-607418/2	1		13:46	X															
MB 480-607390/1-A	1	T	13:48	X															
LCS 480-607390/2-A	1	T	13:49	X															
LCS 480-607390/3-A	1	T	13:51	X															
ZZZZZZ			13:52																
480-192935-2	1	T	13:54	X															
480-192935-2 MS	1	T	13:55	X															
480-192935-2 MSD	1	T	13:56	X															
480-192935-1	1	T	13:58	X															
480-192935-3	1	T	13:59	X															
480-192935-4	1	T	14:01	X															
480-192935-5	1	T	14:02	X															
480-192935-6	1	T	14:04	X															
480-192935-7	1	T	14:05	X															
480-192935-8	1	T	14:07	X															
480-192935-9	1	T	14:08	X															
480-192935-10	1	T	14:09	X															
480-192935-11	1	T	14:11	X															
480-192935-12	1	T	14:12	X															
480-192935-13	1	T	14:14	X															
ZZZZZZ			14:15																
ZZZZZZ			14:17																
ZZZZZZ			14:18																
CCV 480-607418/25	1		14:20	X															
CCB 480-607418/26	1		14:21	X															

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 607390 Batch Start Date: 12/02/21 12:47 Batch Analyst: Mooney, Ryan JBatch Method: 9012B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	10ppm CN MS 00207	CN LCS 250 00231	LCS 400 00220	
MB 480-607390/1		9012B, 9012B		6 mL	6 mL				
LCS 480-607390/2		9012B, 9012B		6 mL	6 mL			6 mL	
LCS 480-607390/3		9012B, 9012B		6 mL	6 mL		6 mL		
480-192935-C-2	PRMW-2D-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-2	PRMW-2D-113021	9012B, 9012B	T	6 mL	6 mL	60 uL			
MS 480-192935-C-2	PRMW-2D-113021	9012B, 9012B	T	6 mL	6 mL	60 uL			
MSD 480-192935-C-1	PRMW-1S-112921	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-3	PRMW-2S-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-4	PRMW-3D-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-5	PRMW-3S-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-6	PRMW-4S-112921	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-7	DUP-112921	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-8	PRMW-5D-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-9	PRMW-5S-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-10	PRMW-6D-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-11	PRMW-6S-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-12	TMW-1D-113021	9012B, 9012B	T	6 mL	6 mL				
480-192935-C-13	EB-120121	9012B, 9012B	T	6 mL	6 mL				

Batch Notes	
Distillation Start Time	12/02/2021 12:30
Distillation End Time	12/02/2021 13:00
Chlorination Start Time	12/02/2021 12:30
Chlorination End Time	12/02/2021 13:00

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.

9012B

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 607418 Batch Start Date: 12/02/21 13:45 Batch Analyst: Mooney, Ryan JBatch Method: 9012B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CN CCV 01601			
CCV 480-607418/1		9012B		5 mL	5 mL	# mL			
CCB 480-607418/2		9012B		5 mL	5 mL				
MB 480-607390/1-A		9012B		5 mL	5 mL				
LCS 480-607390/2-A		9012B		5 mL	5 mL				
LCS 480-607390/3-A		9012B		5 mL	5 mL				
480-192935-C-2-A	PRMW-2D-113021	9012B	T	5 mL	5 mL				
480-192935-C-2-B MS	PRMW-2D-113021	9012B	T	5 mL	5 mL				
480-192935-C-2-C MSD	PRMW-2D-113021	9012B	T	5 mL	5 mL				
480-192935-C-1-A	PRMW-1S-112921	9012B	T	5 mL	5 mL				
480-192935-C-3-A	PRMW-2S-113021	9012B	T	5 mL	5 mL				
480-192935-C-4-A	PRMW-3D-113021	9012B	T	5 mL	5 mL				
480-192935-C-5-A	PRMW-3S-113021	9012B	T	5 mL	5 mL				
480-192935-C-6-A	PRMW-4S-112921	9012B	T	5 mL	5 mL				
480-192935-C-7-A	DUP-112921	9012B	T	5 mL	5 mL				
480-192935-C-8-A	PRMW-5D-113021	9012B	T	5 mL	5 mL				
480-192935-C-9-A	PRMW-5S-113021	9012B	T	5 mL	5 mL				
480-192935-C-10-A	PRMW-6D-113021	9012B	T	5 mL	5 mL				
480-192935-C-11-A	PRMW-6S-113021	9012B	T	5 mL	5 mL				
480-192935-C-12-A	TMW-1D-113021	9012B	T	5 mL	5 mL				
480-192935-C-13-A	EB-120121	9012B	T	5 mL	5 mL				
CCV 480-607418/25		9012B		5 mL	5 mL	# 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.

9012B

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192935-1

SDG No.: _____

Batch Number: 607418 Batch Start Date: 12/02/21 13:45 Batch Analyst: Mooney, Ryan JBatch Method: 9012B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CN CCV 01601			
CCB 480-607418/26		9012B		5 mL	5 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.

Shipping and Receiving Documents

Client Information		Lab PM: Schove, John R		Carrier Tracking No(s):		COC No: 480-168115-36114.2	
Client Contact: Mr. John Ruspantini		Phone: 518-929-7166		E-Mail: John.Schove@Eurofinset.com		Page: Pg 1 of 2	
Company: New York State Electric & Gas		Address: 18 Link Drive		City: Binghamton		State, Zip: NY, 13902	
Phone: 4505533325		Compliance Project: 5day TAT		Due Date Requested: 11/24/21		Analysis Requested:	
Email: jruspantini@nyseg.com		WO #: 48023403		Project #:		Preservation Codes:	
Project Name: NYSEG - Penn Yan Water St. MGP		Site: SSOW#:		Sample Date		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	
Sample Identification		Sample Type (C=Comp, G=grab)		Sample Time		Preservation Code	
PRMW-15-112921		G		1535		Water	
PRMW-20-113021				0900		Water	
PRMW-25-113021				1010		Water	
PRMW-30-113021				1135		Water	
PRMW-35-113021				1215		Water	
PRMW-45-112921				1455		Water	
Dup - 112921				1455		Water	
PRMW-50-113021				1030		Water	
PRMW-55-113021				1125		Water	
PRMW-60-113021				0835		Water	
PRMW-65-113021				0935		Water	
Possible Hazard Identification		☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Special Instructions/Note:	
Deliverable Requested: I, II, III, IV Other (specify) Cat. B.		Empty Kit Relinquished by: Peter M. Schove		Relinquished by: Peter M. Schove		Relinquished by: Peter M. Schove	
Relinquished by: Peter M. Schove		Date/Time: 12/11/21 1315		Relinquished by: Peter M. Schove		Date/Time: 12/11/21 1315	
Relinquished by: Peter M. Schove		Date/Time: 12/11/21 1700		Relinquished by: Peter M. Schove		Date/Time: 12/11/21 1700	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s): 2.0		Other Remarks: 2.0	



Client Information Client Contact: Mr. John Ruspantini Company: New York State Electric & Gas Address: 18 Link Drive City: Binghamton State, Zip: NY, 13902 Phone: 4505533325 Email: jruspantini@nyseg.com Project Name: NYSEG - Penn Yan Water St. MGP Site:		Lab PM: Schove, John R E-Mail: John.Schove@Eurofinset.com Carrier Tracking No(s): State of Origin: NY COC No: 480-168115-36114.1 Page: 2 of 2 Job #:	
Due Date Requested: TAT Requested (days): 5 day TAT Compliance Project: Yes No PO #: 4505533325 WO #: NYSEG/John Ruspantini Project #: 48023403 SSOW#:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Sample ID: TMW-1D-113021 Sample ID: EB-120121 Sample ID: TB-1-120121 Sample ID: TB-2-120121		Total Number of Containers: 6 Special Instructions/Note: Equipment Blank Pre-packed Trip Blank Pre-packed Trip Blank	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) Cat B.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab Special Instructions/QC Requirements:	
Empty Kit Relinquished by: Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Method of Shipment: Date/Time: 12/01/21 1315 Date/Time: 12/11/21 1315 Date/Time: 12/11/21 1700	
Custody Seals Intact: Yes No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-192935-1

Login Number: 192935

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 sample IDs on the containers 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.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix C Data Usability Summary Report

Data Usability Report

NYSEG/Penn Yan Former MGP Site
Eurofins Environmental/TestAmerica Laboratory Data,
February 2022 - FINAL

NYSEG

Project number: 60673533

February 8, 2022

Quality information

Prepared by



Ann Marie Kropovitch,
Chemist

Verified by



Peter R. Fairbanks,
Senior Chemist

Prepared for:

NYSEG
Binghamton, NY

Prepared by:

AECOM
Amherst, NY

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Appendix A Glossary of Data Qualifier Codes

Appendix B Data Qualification Summaries

Appendix C Support Documentation

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Table 1 Sample Submittals – NYSEG/Penn Yan Former MGP Groundwater	ES-1

Executive Summary

Overview

Data validation was performed by Ann Marie Kropovitch of AECOM-Amherst on one data package from Eurofins TestAmerica - Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298 (ETA-Buffalo) for the analysis of groundwater samples collected on November 29 – December 1, 2021 at the NYSEG/Penn Yan, Water Street former manufactured gas plant (MGP) site.

The following analytical methods were requested on the chain-of-custody (CoC) records.

- Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX) by USEPA SW-846 Method 8260C
- Polynuclear Aromatic Hydrocarbons (PAHs) by USEPA SW-846 Method 8270D
- Total Cyanide by USEPA SW-846 Method 9012B

The data were evaluated for conformance to method specifications and qualifiers were applied using the USEPA Region 2 standard operating procedures (SOPs) and the validation criteria set forth in the following USEPA guidance documents as they apply to the analytical procedures.

- USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review, EPA-540-R-2017-002, January 2017;
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA-540-R-2017-001, January 2017, as they apply to the analytical methods employed;
- Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C, SOP HW-24, Revision 4, October 2014;
- Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP HW-22, Revision 5, December 2010;
- Mercury and Cyanide Data Validation, SOP HW-3c, Revision 1, September 2016.

Field duplicate relative percent difference (RPD) review and applicable control limits were taken from the USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, December 1996 and USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses, June 1988.

The samples were processed, and the results were reported under one sample delivery group (SDG) 480- 192935-1. Table 1 provides a sample submittal list with the field IDs cross-referenced with the ETA-Buffalo IDs.

Table 1 Sample Submittals – NYSEG/Penn Yan Former MGP Groundwater

Field ID	Laboratory ID	QC	Matrix	Date Sampled
PRMW-1S-112921	480-192935-1		Groundwater	11/29/21 15:35
PRMW-2D-113021	480-192935-2	MS/MSD	Groundwater	11/30/21 09:00
PRMW-2S-113021	480-192935-3		Groundwater	11/30/21 10:10
PRMW-3D-113021	480-192935-4		Groundwater	11/30/21 11:35
PRMW-3S-113021	480-192935-5		Groundwater	11/30/21 12:15
PRMW-4S-112921	480-192935-6		Groundwater	11/29/21 14:55
DUP-112921	480-192935-7	Field duplicate	Groundwater	11/29/21 14:55

Field ID	Laboratory ID	QC	Matrix	Date Sampled
PRMW-5D-113021	480-192935-8		Groundwater	11/30/21 10:30
PRMW-5S-113021	480-192935-9		Groundwater	11/30/21 11:25
PRMW-6D-113021	480-192935-10		Groundwater	11/30/21 08:35
PRMW-6S-113021	480-192935-11		Groundwater	11/30/21 09:35
TMW-1D-113021	480-192935-12		Groundwater	11/30/21 12:25
EB-120121	480-192935-13	field blank	Aqueous (QC)	12/01/21 13:00
TB-1-120121	480-192935-14	trip blank	Aqueous (QC)	11/30/21 00:00
TB-2-120121	480-192935-15	trip blank	Aqueous (QC)	11/30/21 00:00

Summary

Data quality for the organic analyses was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance standards, internal standards, initial and continuing calibrations, matrix spike/matrix spike duplicates (MS/MSD), surrogate recoveries, laboratory control standards (LCSs), laboratory blanks, laboratory and field duplicates, compound identification, and compound quantitation.

Inorganic data quality was evaluated by reviewing the following parameters: holding times, matrix spikes, initial calibrations, continuing calibration verification standard recoveries, contract required detection limit standard recoveries, laboratory control samples, ICP interference check sample recoveries, ICP serial dilution results, field and laboratory duplicates, laboratory blanks, and analyte quantitation.

All data have been determined to be useable for the purpose of assessing the presence/absence and quantitative concentrations of the compounds and analytes in the media tested (i.e., groundwater) as reported by Eurofins TestAmerica-Buffalo. No data points were rejected. Completeness of 100% was achieved for this data set. This is within the goal of 90-100% and is acceptable.

A glossary of data qualifier definitions is included in Appendix A of this report. The data qualifier summaries are attached as Appendix B of this report.

Each noncompliance with specific data usability criteria that required data qualification is discussed below. Support documentation for data qualifications was included in Appendix C of this report.

1. Benzene, Toluene, Ethylbenzene and Total Xylenes

No data quality issues were noted. No data qualifications were required.

2. Polynuclear Aromatic Hydrocarbons

No data quality issues were noted. No data qualifications were required.

3. Total Cyanide

No data quality issues were noted. No data qualifications were required.

4. Field Duplicate Precision

A field duplicate sample was collected at PRMW-4S-112921. All compounds were non-detect in both the parent sample and the field duplicate. Field duplicate results were evaluated using the following criteria.

Organics: The RPD must be $\leq 30\%$ for results greater than or equal to two times the reporting detection limit. If one of the results is non-detect or less than two times the reporting limit, and the duplicate is greater than two times the reporting detection limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Inorganics: The RPD must be $\leq 30\%$, for results greater than or equal to five times the reporting limit. For results less than five times the reporting limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Action applies only to the affected analyte in the duplicate sample pair.

Field sampling/laboratory precision and sample homogeneity were acceptable; no data qualification was required.

5. Notes

Matrix spike and matrix spike duplicates and laboratory duplicates that were performed on non-project samples were not evaluated because matrix similarity to project samples could not be assumed.

Positive results less than the reporting limit (RL), but greater than the method detection limit (MDL) were qualified "J," as estimated concentrations, due to increased uncertainty near the detection limit. These "J" qualifiers were maintained in the data validation. Sample results reported between the MDL and RL are usable as estimated values with an unknown directional bias.

No dilutions were necessary for the requested analyses.

Sample Custody: Sample identifications, sample dates, and sample times on the chain of custody matched those found in the laboratory data package. The chain-of-custody was signed and dated, and proper chain of command was followed from field to laboratory.

Appendix A Glossary of Data Qualifier Codes

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximated and may be inaccurate or imprecise.
J+	The result is an estimated quantity but may be biased high.
J-	The result is an estimated quantity but may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to meet quality control criteria. The presence or absence of the analyte cannot be verified.
N	(Organics) The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	(Organics) The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

Appendix B Data Qualification Summaries

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-1S-112921

Lab Sample ID: 480-192935-1

Date Collected: 11/29/21 15:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 00:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 00:22	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 00:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		12/03/21 00:22	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/03/21 00:22	1
Dibromofluoromethane (Surr)	98		75 - 123		12/03/21 00:22	1
Toluene-d8 (Surr)	97		80 - 120		12/03/21 00:22	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 14:21	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 14:21	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 14:21	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 14:21	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 14:21	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 14:21	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 14:21	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 14:21	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 14:21	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 14:21	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 14:21	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		48 - 120	12/02/21 14:29	12/03/21 14:21	1
Nitrobenzene-d5 (Surr)	72		46 - 120	12/02/21 14:29	12/03/21 14:21	1
p-Terphenyl-d14 (Surr)	103		60 - 148	12/02/21 14:29	12/03/21 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 13:58	1

Client Sample ID: PRMW-2D-113021

Lab Sample ID: 480-192935-2

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 00:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 00:45	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 00:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 00:45	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-2D-113021

Lab Sample ID: 480-192935-2

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 12/02/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/03/21 00:45	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/03/21 00:45	1
Dibromofluoromethane (Surr)	104		75 - 123		12/03/21 00:45	1
Toluene-d8 (Surr)	97		80 - 120		12/03/21 00:45	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 13:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 13:53	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 13:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 13:53	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 13:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 13:53	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 13:53	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 13:53	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 13:53	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 13:53	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 13:53	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		48 - 120	12/02/21 14:29	12/03/21 13:53	1
Nitrobenzene-d5 (Surr)	58		46 - 120	12/02/21 14:29	12/03/21 13:53	1
p-Terphenyl-d14 (Surr)	90		60 - 148	12/02/21 14:29	12/03/21 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 13:54	1

Client Sample ID: PRMW-2S-113021

Lab Sample ID: 480-192935-3

Date Collected: 11/30/21 10:10

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 01:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 01:08	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 01:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		12/03/21 01:08	1
4-Bromofluorobenzene (Surr)	101		73 - 120		12/03/21 01:08	1
Dibromofluoromethane (Surr)	104		75 - 123		12/03/21 01:08	1
Toluene-d8 (Surr)	96		80 - 120		12/03/21 01:08	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-2S-113021

Lab Sample ID: 480-192935-3

Date Collected: 11/30/21 10:10

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 14:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 14:48	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 14:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 14:48	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 14:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 14:48	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 14:48	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 14:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 14:48	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 14:48	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 14:48	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	93		48 - 120				12/02/21 14:29	12/03/21 14:48	1
Nitrobenzene-d5 (Surr)	74		46 - 120				12/02/21 14:29	12/03/21 14:48	1
p-Terphenyl-d14 (Surr)	98		60 - 148				12/02/21 14:29	12/03/21 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.090		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 13:59	1

Client Sample ID: PRMW-3D-113021

Lab Sample ID: 480-192935-4

Date Collected: 11/30/21 11:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 01:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 01:31	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 01:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120					12/03/21 01:31	1
4-Bromofluorobenzene (Surr)	95		73 - 120					12/03/21 01:31	1
Dibromofluoromethane (Surr)	99		75 - 123					12/03/21 01:31	1
Toluene-d8 (Surr)	96		80 - 120					12/03/21 01:31	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 15:15	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 15:15	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 15:15	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 15:15	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 15:15	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 15:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-3D-113021

Lab Sample ID: 480-192935-4

Date Collected: 11/30/21 11:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 15:15	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 15:15	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 15:15	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 15:15	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 15:15	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 15:15	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 15:15	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 15:15	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 15:15	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	89		48 - 120				12/02/21 14:29	12/03/21 15:15	1
Nitrobenzene-d5 (Surr)	75		46 - 120				12/02/21 14:29	12/03/21 15:15	1
p-Terphenyl-d14 (Surr)	84		60 - 148				12/02/21 14:29	12/03/21 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:01	1

Client Sample ID: PRMW-3S-113021

Lab Sample ID: 480-192935-5

Date Collected: 11/30/21 12:15

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 01:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 01:54	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 01:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120					12/03/21 01:54	1
4-Bromofluorobenzene (Surr)	96		73 - 120					12/03/21 01:54	1
Dibromofluoromethane (Surr)	96		75 - 123					12/03/21 01:54	1
Toluene-d8 (Surr)	98		80 - 120					12/03/21 01:54	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 15:43	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 15:43	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 15:43	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 15:43	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 15:43	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 15:43	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 15:43	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 15:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-3S-113021

Lab Sample ID: 480-192935-5

Date Collected: 11/30/21 12:15

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 15:43	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 15:43	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 15:43	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 15:43	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	105		48 - 120				12/02/21 14:29	12/03/21 15:43	1
Nitrobenzene-d5 (Surr)	89		46 - 120				12/02/21 14:29	12/03/21 15:43	1
p-Terphenyl-d14 (Surr)	102		60 - 148				12/02/21 14:29	12/03/21 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.27		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:02	1

Client Sample ID: PRMW-4S-112921

Lab Sample ID: 480-192935-6

Date Collected: 11/29/21 14:55

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 02:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 02:17	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 02:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 02:17	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120					12/03/21 02:17	1
4-Bromofluorobenzene (Surr)	97		73 - 120					12/03/21 02:17	1
Dibromofluoromethane (Surr)	102		75 - 123					12/03/21 02:17	1
Toluene-d8 (Surr)	94		80 - 120					12/03/21 02:17	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 16:10	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 16:10	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 16:10	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 16:10	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 16:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 16:10	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 16:10	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 16:10	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 16:10	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 16:10	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 16:10	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 16:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-4S-112921

Lab Sample ID: 480-192935-6

Date Collected: 11/29/21 14:55

Matrix: Water

Date Received: 12/02/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	112		48 - 120	12/02/21 14:29	12/03/21 16:10	1
Nitrobenzene-d5 (Surr)	89		46 - 120	12/02/21 14:29	12/03/21 16:10	1
p-Terphenyl-d14 (Surr)	106		60 - 148	12/02/21 14:29	12/03/21 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:04	1

Client Sample ID: DUP-112921

Lab Sample ID: 480-192935-7

Date Collected: 11/29/21 14:55

FD of PRMW-4S-112921

Date Received: 12/02/21 08:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 02:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 02:40	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 02:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		12/03/21 02:40	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/03/21 02:40	1
Dibromofluoromethane (Surr)	100		75 - 123		12/03/21 02:40	1
Toluene-d8 (Surr)	94		80 - 120		12/03/21 02:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 16:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 16:37	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 16:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 16:37	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 16:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 16:37	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 16:37	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 16:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 16:37	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 16:37	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 16:37	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	105		48 - 120	12/02/21 14:29	12/03/21 16:37	1
Nitrobenzene-d5 (Surr)	80		46 - 120	12/02/21 14:29	12/03/21 16:37	1
p-Terphenyl-d14 (Surr)	98		60 - 148	12/02/21 14:29	12/03/21 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-5D-113021

Lab Sample ID: 480-192935-8

Date Collected: 11/30/21 10:30

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 03:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 03:03	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 03:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 03:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120					12/03/21 03:03	1
4-Bromofluorobenzene (Surr)	100		73 - 120					12/03/21 03:03	1
Dibromofluoromethane (Surr)	101		75 - 123					12/03/21 03:03	1
Toluene-d8 (Surr)	99		80 - 120					12/03/21 03:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 17:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 17:04	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 17:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 17:04	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 17:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 17:04	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 17:04	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:04	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 17:04	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 17:04	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	109		48 - 120				12/02/21 14:29	12/03/21 17:04	1
Nitrobenzene-d5 (Surr)	92		46 - 120				12/02/21 14:29	12/03/21 17:04	1
p-Terphenyl-d14 (Surr)	107		60 - 148				12/02/21 14:29	12/03/21 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:07	1

Client Sample ID: PRMW-5S-113021

Lab Sample ID: 480-192935-9

Date Collected: 11/30/21 11:25

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	27		1.0	0.41	ug/L			12/03/21 03:26	1
Ethylbenzene	5.9		1.0	0.74	ug/L			12/03/21 03:26	1
Toluene	1.6		1.0	0.51	ug/L			12/03/21 03:26	1
Xylenes, Total	6.6		2.0	0.66	ug/L			12/03/21 03:26	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-5S-113021

Lab Sample ID: 480-192935-9

Date Collected: 11/30/21 11:25

Matrix: Water

Date Received: 12/02/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		12/03/21 03:26	1
4-Bromofluorobenzene (Surr)	105		73 - 120		12/03/21 03:26	1
Dibromofluoromethane (Surr)	100		75 - 123		12/03/21 03:26	1
Toluene-d8 (Surr)	99		80 - 120		12/03/21 03:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	15		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 17:32	1
Acenaphthylene	3.4	J	5.0	0.38	ug/L		12/02/21 14:29	12/03/21 17:32	1
Anthracene	0.52	J	5.0	0.28	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 17:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 17:32	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 17:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 17:32	1
Fluoranthene	2.1	J	5.0	0.40	ug/L		12/02/21 14:29	12/03/21 17:32	1
Fluorene	5.5		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:32	1
Naphthalene	44		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 17:32	1
Phenanthrene	5.7		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 17:32	1
Pyrene	1.3	J	5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		48 - 120	12/02/21 14:29	12/03/21 17:32	1
Nitrobenzene-d5 (Surr)	74		46 - 120	12/02/21 14:29	12/03/21 17:32	1
p-Terphenyl-d14 (Surr)	90		60 - 148	12/02/21 14:29	12/03/21 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:08	1

Client Sample ID: PRMW-6D-113021

Lab Sample ID: 480-192935-10

Date Collected: 11/30/21 08:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 03:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 03:50	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 03:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/03/21 03:50	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/03/21 03:50	1
Dibromofluoromethane (Surr)	105		75 - 123		12/03/21 03:50	1
Toluene-d8 (Surr)	97		80 - 120		12/03/21 03:50	1

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-6D-113021

Lab Sample ID: 480-192935-10

Date Collected: 11/30/21 08:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 17:59	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 17:59	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 17:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 17:59	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 17:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 17:59	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 17:59	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 17:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 17:59	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 17:59	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 17:59	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	109		48 - 120				12/02/21 14:29	12/03/21 17:59	1
Nitrobenzene-d5 (Surr)	91		46 - 120				12/02/21 14:29	12/03/21 17:59	1
p-Terphenyl-d14 (Surr)	112		60 - 148				12/02/21 14:29	12/03/21 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:09	1

Client Sample ID: PRMW-6S-113021

Lab Sample ID: 480-192935-11

Date Collected: 11/30/21 09:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 04:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 04:13	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 04:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120					12/03/21 04:13	1
4-Bromofluorobenzene (Surr)	97		73 - 120					12/03/21 04:13	1
Dibromofluoromethane (Surr)	103		75 - 123					12/03/21 04:13	1
Toluene-d8 (Surr)	97		80 - 120					12/03/21 04:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 18:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 18:26	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 18:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 18:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 18:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 18:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: PRMW-6S-113021

Lab Sample ID: 480-192935-11

Date Collected: 11/30/21 09:35

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 18:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 18:26	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 18:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 18:26	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 18:26	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 18:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 18:26	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 18:26	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 18:26	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	99		48 - 120				12/02/21 14:29	12/03/21 18:26	1
Nitrobenzene-d5 (Surr)	82		46 - 120				12/02/21 14:29	12/03/21 18:26	1
p-Terphenyl-d14 (Surr)	94		60 - 148				12/02/21 14:29	12/03/21 18:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.051		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:11	1

Client Sample ID: TMW-1D-113021

Lab Sample ID: 480-192935-12

Date Collected: 11/30/21 12:25

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 04:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 04:36	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 04:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120					12/03/21 04:36	1
4-Bromofluorobenzene (Surr)	98		73 - 120					12/03/21 04:36	1
Dibromofluoromethane (Surr)	104		75 - 123					12/03/21 04:36	1
Toluene-d8 (Surr)	98		80 - 120					12/03/21 04:36	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 18:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 18:53	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 18:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 18:53	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 18:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 18:53	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 18:53	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 18:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: TMW-1D-113021

Lab Sample ID: 480-192935-12

Date Collected: 11/30/21 12:25

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 18:53	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 18:53	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 18:53	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 18:53	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		48 - 120				12/02/21 14:29	12/03/21 18:53	1
Nitrobenzene-d5 (Surr)	59		46 - 120				12/02/21 14:29	12/03/21 18:53	1
p-Terphenyl-d14 (Surr)	92		60 - 148				12/02/21 14:29	12/03/21 18:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:12	1

Client Sample ID: EB-120121

Lab Sample ID: 480-192935-13

Date Collected: 12/01/21 13:00

Matrix: Water

Date Received: 12/02/21 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 04:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 04:59	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 04:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 04:59	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120					12/03/21 04:59	1
4-Bromofluorobenzene (Surr)	94		73 - 120					12/03/21 04:59	1
Dibromofluoromethane (Surr)	105		75 - 123					12/03/21 04:59	1
Toluene-d8 (Surr)	96		80 - 120					12/03/21 04:59	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		12/02/21 14:29	12/03/21 19:21	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/02/21 14:29	12/03/21 19:21	1
Anthracene	ND		5.0	0.28	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/02/21 14:29	12/03/21 19:21	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/02/21 14:29	12/03/21 19:21	1
Chrysene	ND		5.0	0.33	ug/L		12/02/21 14:29	12/03/21 19:21	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/02/21 14:29	12/03/21 19:21	1
Fluoranthene	ND		5.0	0.40	ug/L		12/02/21 14:29	12/03/21 19:21	1
Fluorene	ND		5.0	0.36	ug/L		12/02/21 14:29	12/03/21 19:21	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/02/21 14:29	12/03/21 19:21	1
Naphthalene	ND		5.0	0.76	ug/L		12/02/21 14:29	12/03/21 19:21	1
Phenanthrene	ND		5.0	0.44	ug/L		12/02/21 14:29	12/03/21 19:21	1
Pyrene	ND		5.0	0.34	ug/L		12/02/21 14:29	12/03/21 19:21	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-192935-1

Client Sample ID: EB-120121

Date Collected: 12/01/21 13:00

Date Received: 12/02/21 08:00

Lab Sample ID: 480-192935-13

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		48 - 120	12/02/21 14:29	12/03/21 19:21	1
Nitrobenzene-d5 (Surr)	69		46 - 120	12/02/21 14:29	12/03/21 19:21	1
p-Terphenyl-d14 (Surr)	112		60 - 148	12/02/21 14:29	12/03/21 19:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		12/02/21 12:47	12/02/21 14:14	1

Client Sample ID: TB-1-120121

Date Collected: 11/30/21 00:00

Date Received: 12/02/21 08:00

Lab Sample ID: 480-192935-14

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 05:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 05:22	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 05:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		12/03/21 05:22	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/03/21 05:22	1
Dibromofluoromethane (Surr)	98		75 - 123		12/03/21 05:22	1
Toluene-d8 (Surr)	97		80 - 120		12/03/21 05:22	1

Client Sample ID: TB-2-120121

Date Collected: 11/30/21 00:00

Date Received: 12/02/21 08:00

Lab Sample ID: 480-192935-15

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/03/21 05:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/21 05:45	1
Toluene	ND		1.0	0.51	ug/L			12/03/21 05:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/21 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/03/21 05:45	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/03/21 05:45	1
Dibromofluoromethane (Surr)	107		75 - 123		12/03/21 05:45	1
Toluene-d8 (Surr)	98		80 - 120		12/03/21 05:45	1

Appendix C Support Documentation

Client Information		Lab PM: Schove, John R		Carrier Tracking No(s): 480-168115-36114.2	
Client Contact: Mr. John Ruspantini		E-Mail: John.Schove@Eurofinset.com		Page: 1 of 2	
Company: New York State Electric & Gas		PWSID:		Job #:	
Address: 18 Link Drive		Due Date Requested:		Analysis Requested	
City: Binghamton		TAT Requested (days): 5 day TAT		Preservation Codes:	
State, Zip: NY, 13902		Compliance Project: Δ Yes Δ No		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Phone:		PO #: 4505533325		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Email: jruspantini@nyseg.com		WO #: NYSEG/John Ruspantini		Total Number of containers	
Project Name: NYSEG - Penn Yan Water St MGP		Project #: 48023403		Special Instructions/Note:	
Site: SSCOM#					

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
PRMW-15-112921	11/24/21	1535	G	Water	N	N	2	3	1	6	
PRMW-20-113021	11/30/21	0900		Water	N	Y	6	9	3	18	
PRMW-25-113021	↓	1010		Water	N	N	2	3	1	6	
PRMW-30-113021	↓	1135		Water	N	N	1	1	1	1	
PRMW-35-113021	↓	1215		Water	N	N	1	1	1	1	
PRMW-45-112921	11/24/21	1455		Water	N	N	1	1	1	1	
Dup - 112921	11/24/21	1455		Water	N	N	1	1	1	1	
PRMW-50-113021	11/30/21	1030		Water	N	N	1	1	1	1	
PRMW-55-113021	11/30/21	1125		Water	N	N	1	1	1	1	
PRMW-60-113021	11/30/21	0835		Water	N	N	1	1	1	1	
PRMW-65-113021	11/30/21	0935		Water	N	N	1	1	1	1	



480-192935 Chain of Custody

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☒ Non-Hazard	☐ Flammable	☐ Return To Client	☐ Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify) Cat. B.		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Time:	
Relinquished by: Peter M. Schove		Date: 12/11/21	
Relinquished by: Peter M. Schove		Date: 12/11/21	
Relinquished by: Peter M. Schove		Date: 12/11/21	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:	

Client Information		Sampler: <i>P. M. H. L.</i>		Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-168115-36114.1
Client Contact: Mr. John Ruspantini		Phone: <i>518-929-7166</i>		E-Mail: John.Schove@Eurofinset.com	State of Origin: <i>NY</i>	Page: <i>pg 2 of 2</i>
Company: New York State Electric & Gas		PWSD:		Job #:		
Address: 18 Link Drive		Due Date Requested:		Analysis Requested		
City: Binghamton		TAT Requested (days): <i>5 day TAT</i>				
State: NY		Compliance Project: ☐ Yes ☒ No				
Zip: 13902		PO #: 4505533325				
Phone:		WO #: NYSEG/John Ruspantini				
Email: jruspantini@nyseg.com		Project #: 48023403				
Project Name: NYSEG - Penn Yan Water SL MGP		SSOW#:				
Site:						

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semiquantities	8260C - BTEX	9012B - Cyanide, Total	Total Number of Containers	Special Instructions/Note:
TMW-1D-113021	11/30/21	1225	G	Water	☒	☒	N 2 3 1	A 3 1	B 1	6	
EB-120121	12/1/21	1300	G	Water	☒	☒	N 2 3 1	A 3 1	B 1	6	Equipment Blank
TB-1-120121	-	-	-	Water	☒	☒	N 2 3 1	A 3 1	B 1	2	Packaged Trip Blank
TB-2-120121	-	-	-	Water	☒	☒	N 2 3 1	A 3 1	B 1	2	Packaged Trip Blank
				Water	☒	☒					
				Water	☒	☒					
				Water	☒	☒					
				Water	☒	☒					
				Water	☒	☒					
				Water	☒	☒					
				Water	☒	☒					

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) <i>Cat B.</i>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For <i>Months</i>	
Empty Kit Relinquished by: Relinquished by: <i>John Ruspantini</i> Date: <i>12/10/21</i> Time: <i>1315</i> Relinquished by: <i>Paul Schove</i> Date: <i>12/11/21</i> Time: <i>1200</i> Relinquished by:		Special Instructions/QC Requirements: Received by: <i>Paul Schove</i> Date/Time: <i>12/11/21 1315</i> Received by: <i>Paul Schove</i> Date/Time: <i>12/11/21 1315</i> Received by: <i>Paul Schove</i> Date/Time:	
Custody Seals Intact: ☒ Yes ☐ No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Job Narrative
480-192935-1

Comments

No additional comments.

Receipt

The samples were received on 12/2/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 2.2° C.

GC/MS VOA

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

GC/MS Semi VOA

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: PRMW-2D-113021 (480-192935-2[MSD]). These results have been reported and qualified.

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

General Chemistry

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

Organic Prep

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

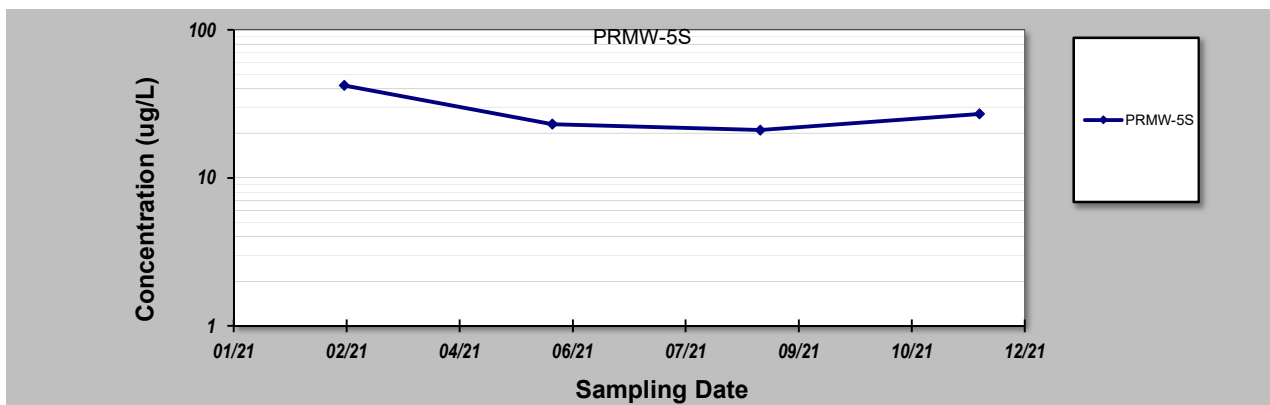
Appendix D Mann Kendall

GSI MANN-KENDALL TOOLKIT

for Constituent Trend Analysis

Evaluation Date: December 2021	Job ID: 60648952
Facility Name: Penn Yan Water Street Former MGP Site	Constituent: Benzene
Conducted By: Pat McHugh	Concentration Units: ug/L

Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/L)					
1	2/22/2021	42.0					
2	5/25/2021	23.0					
3	8/25/2021	21.0					
4	11/30/2021	27.0					
5							
6							
7							
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16							
17							
18							
19							
20							
Coefficient of Variation:		0.34					
Mann-Kendall Statistic (S):		-2					
Confidence Factor:		62.5%					
Concentration Trend:		Stable					



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

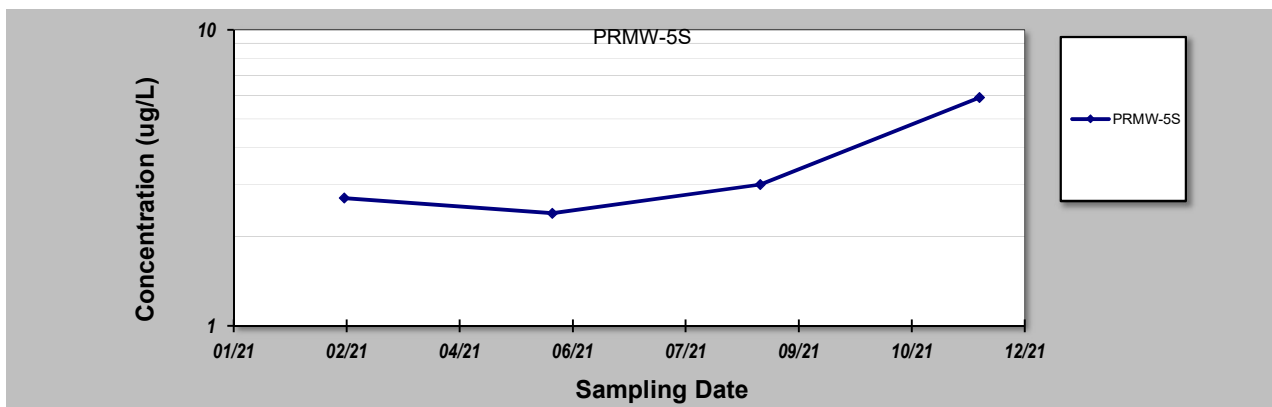
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: December 2021	Job ID: 60648952
Facility Name: Penn Yan Water Street Former MGP Site	Constituent: Ethylbenzene
Conducted By: Pat McHugh	Concentration Units: ug/L

Sampling Event	Sampling Date	ETHYLBENZENE CONCENTRATION (ug/L)						
1	2/22/2021	2.7						
2	5/25/2021	2.4						
3	8/25/2021	3.0						
4	11/30/2021	5.9						
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.46						
Mann-Kendall Statistic (S):		4						
Confidence Factor:		83.3%						
Concentration Trend:		No Trend						



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

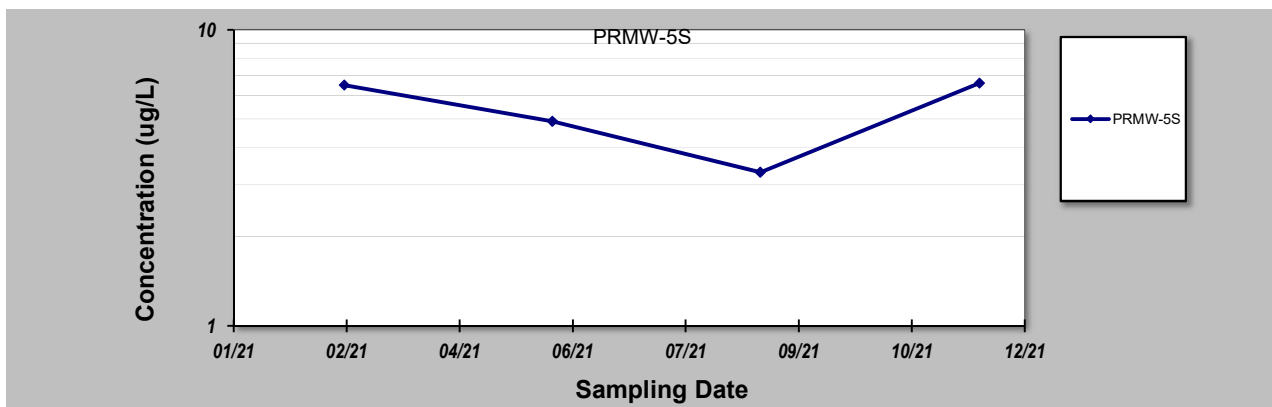
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: December 2021	Job ID: 60648952
Facility Name: Penn Yan Water Street Former MGP Site	Constituent: Total Xylenes
Conducted By: Pat McHugh	Concentration Units: ug/L

Sampling Event	Sampling Date	TOTAL XYLENES CONCENTRATION (ug/L)
1	2/22/2021	6.5
2	5/25/2021	4.9
3	8/25/2021	3.3
4	11/30/2021	6.6
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.29
Mann-Kendall Statistic (S):		0
Confidence Factor:		37.5%
Concentration Trend:		Stable



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

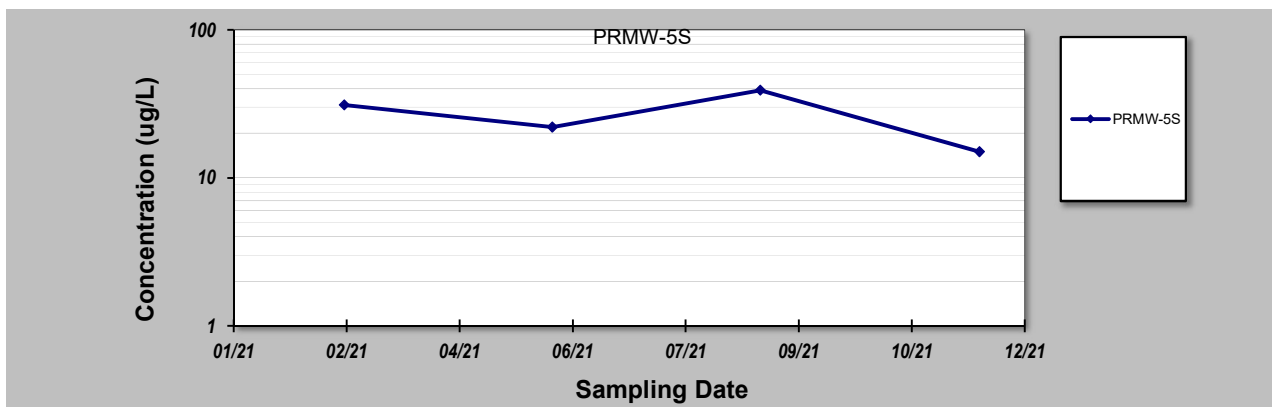
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: December 2021	Job ID: 60648952
Facility Name: Penn Yan Water Street Former MGP Site	Constituent: Acenaphthenes
Conducted By: Pat McHugh	Concentration Units: ug/L

Sampling Event	Sampling Date	ACENAPHTHETES CONCENTRATION (ug/L)					
1	2/22/2021	31.0					
2	5/25/2021	22.0					
3	8/25/2021	39.0					
4	11/30/2021	15.0					
5							
6							
7							
8							
9							
10							
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12							
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14							
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16							
17							
18							
19							
20							
Coefficient of Variation:		0.39					
Mann-Kendall Statistic (S):		-2					
Confidence Factor:		62.5%					
Concentration Trend:		Stable					



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

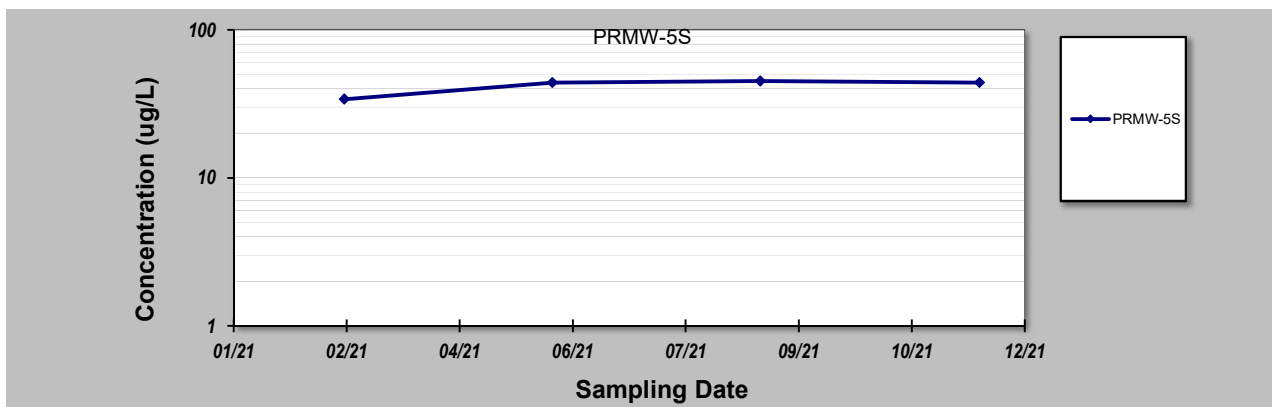
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: December 2021	Job ID: 60648952
Facility Name: Penn Yan Water Street Former MGP Site	Constituent: Naphthalene
Conducted By: Pat McHugh	Concentration Units: ug/L

Sampling Event	Sampling Date	NAPHTHALENE CONCENTRATION (ug/L)					
1	2/22/2021	34.0					
2	5/25/2021	44.0					
3	8/25/2021	45.0					
4	11/30/2021	44.0					
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.12					
Mann-Kendall Statistic (S):		3					
Confidence Factor:		72.9%					
Concentration Trend:		No Trend					



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

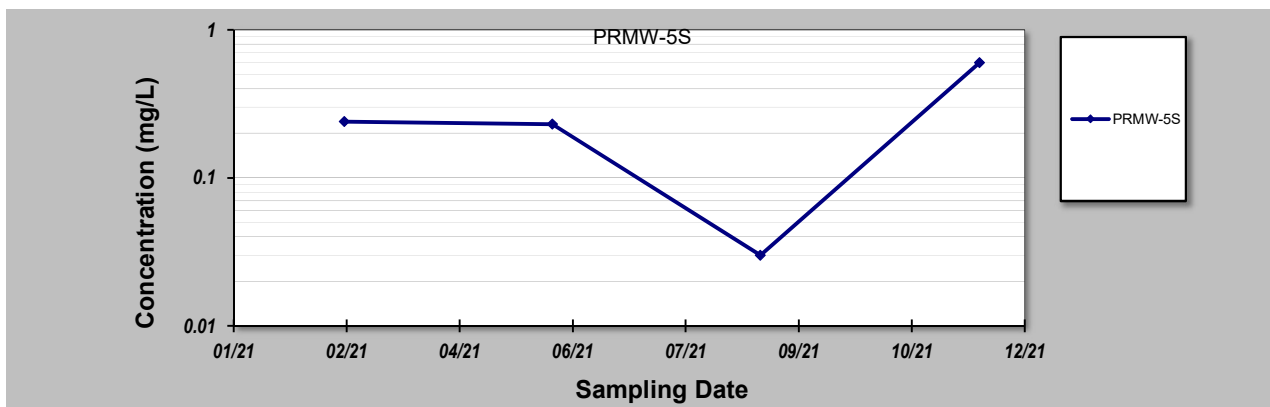
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: December 2021	Job ID: 60648952
Facility Name: Penn Yan Water Street Former MGP Site	Constituent: Dissolved Oxygen
Conducted By: Pat McHugh	Concentration Units: mg/L

Sampling Event	Sampling Date	DISSOLVED OXYGEN CONCENTRATION (mg/L)						
1	2/22/2021	0.24						
2	5/25/2021	0.23						
3	8/25/2021	0.03						
4	11/30/2021	0.60						
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.86						
Mann-Kendall Statistic (S):		0						
Confidence Factor:		37.5%						
Concentration Trend:		Stable						



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

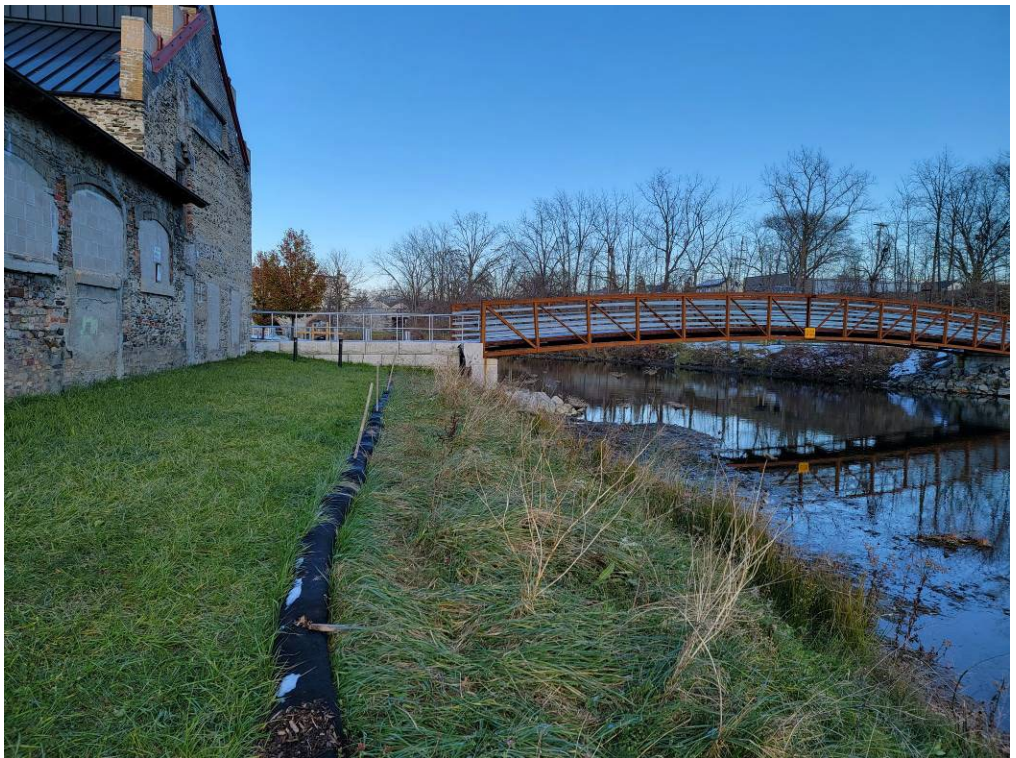
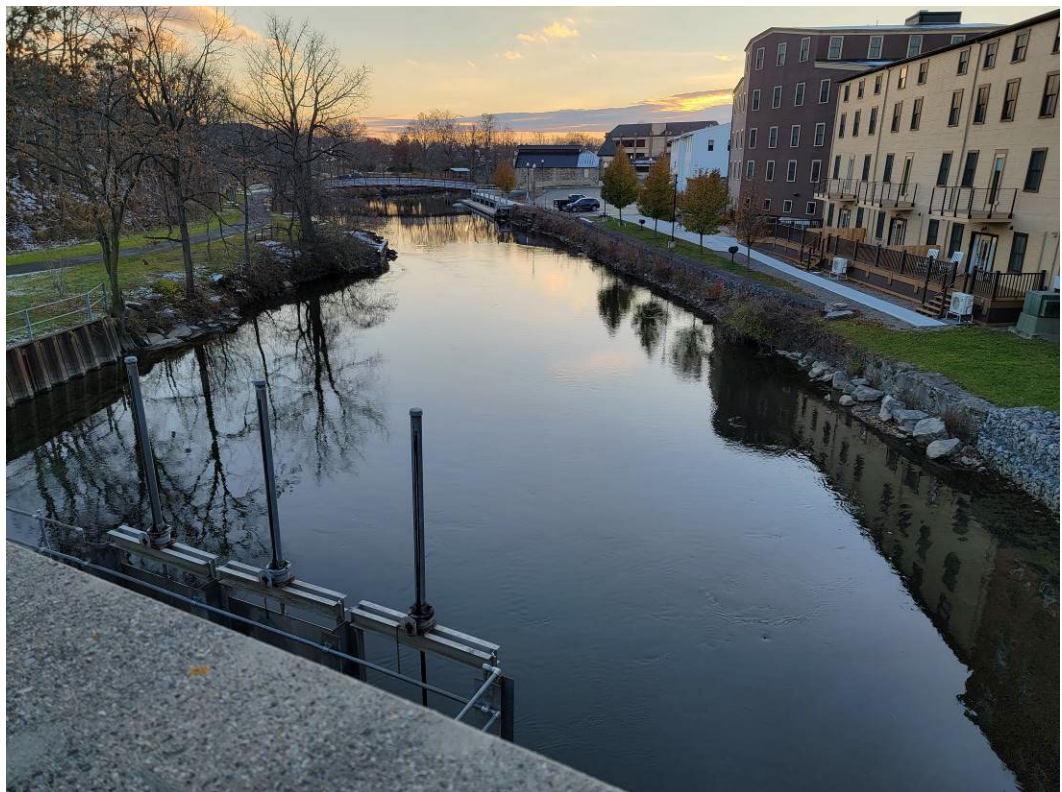
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Appendix E Annual Inspection Photo Log

Client Name: NYSEG Penn Yan Water St. Former MGP Site		Site Location: Penn Yan, New York	Project No. 60673533
Photo No. 1	Date: 11/30/21		
Direction Photo Taken: Southeast			
Description: View of western portion of the site that has now been paved.			

Photo No. 2	Date: 11/30/21	
Direction Photo Taken: Southwest		
Description: View of lower edge of newly paved section of site along western side for neighbor's parking.		

Client Name: NYSEG Penn Yan Water St. Former MGP Site		Site Location: Penn Yan, New York	Project No. 60673533
Photo No. 3	Date: 11/30/21		
Direction Photo Taken: Northeast			
Description: View of vegetative cover over Aquablok/AquaGate cap.			
Photo No. 4	Date: 11/30/21		
Direction Photo Taken: Southwest			
Description: View of Keuka Lake Outlet conditions.			

Client Name: NYSEG Penn Yan Water St. Former MGP Site		Site Location: Penn Yan, New York	Project No. 60673533
Photo No. 5	Date: 11/30/21		
Direction Photo Taken: Northeast			
Description: View of area of fill adjacent to site driveway.			
Photo No. 6	Date: 11/30/21		
Direction Photo Taken: East			
Description: View of area of fill adjacent to site driveway.			



Appendix F Annual Site Inspection Form

Site-Wide Inspection Form

NYSEG Penn Yan Former Manufactured Gas Plant Site (NYSDEC

Site #862009)

Penn Yan, New York

Engineering Control (s):

Soil cover,
CLSM, Aquablock cap

Inspection Date:

11/30/21

Item	Yes	No	N/A	Comments
Does the Engineering Control continue to perform as designed?	X			No damage noted
Does the Engineering Control continue to protect human health and the environment?	X			
Does the Engineering Control comply with requirements established in the SMP?	X			
Has remedial performance criteria been achieved or maintained?	X			
Has sampling and analysis of appropriate media been performed during the monitoring event?	X			GW sampling underway concurrently
Have there been any modifications made to the remedial or monitoring system?		X		
Does the remedial or monitoring system need to be changed or altered at this time?		X		
Has there been any intrusive activity, excavation, or construction occurred at the site?	X			West side of site (10' or so) paved for neighbor's parking. Looks like fill soil from neighbor's property placed on site adjacent to upper driveway
Were the activities mentioned above, performed in accordance with the SMP?		X		Not quite - fill placed with no notice or testing
Was there a change in the use of the site or were there new structures constructed on the site?	X			Paving noted above
In case a new occupied structure is constructed or the use of the current building changed, was a vapor intrusion evaluation done?			X	
Were new mitigation systems installed based on monitoring results?		X		N/A
Were the groundwater wells in the monitoring network inspected during this site inspection? If so, were the Monitoring Well Field Inspection Logs Completed?	X			In GW reporting, Yes

Note: Upon completion of the form any non-conforming items warranting corrective action should be identified here within.

Name of Inspector:

Matthew Thorpe

Inspector's Company:

AECOM

Signature of Inspector:

Matthew Thorpe

Date:

11/30/21

IMMEDIATELY REPORT ANY FAILURE OR DEFECT TO THE PROJECT MANAGER SO A COUNTERMEASURE PLAN CAN BE IMPLEMENTED.