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Date: January 19, 2022

Our Ref: 30106912

Subject: 2021 Post-Construction Monitoring Report
Binghamton Court Street Former Manufacture Gas Plant Site
NYSDEC Site No. 7-04-031

Dear Mr. Starr,

On behalf of NYSEG, this letter summarizes the results of the well development, repair, and decommissioning activities and 2021 post-remediation monitoring completed at the Binghamton Court Street Former Manufactured Gas Plant (MGP) site (the site).

For reference, interim remedial measures (IRMs) at Operable Unit No. 1 (OU-1) were completed in 2001, 2003, 2006 and 2011/2012 and the IRM for Operable Unit No. 2 (OU-2) was completed in 2018/2019. Post-construction monitoring was initiated by Arcadis of New York, Inc. (Arcadis) in 2020 (i.e., "year 1"), 2021 represents "year 2" of post-construction monitoring.

2021 Site Activity Overview

As indicated in the October 2019 Draft Site Management Plan prepared by GEI, Inc. (Draft SMP), post-remediation groundwater monitoring activities are used to generally assess the performance and effectiveness of the remedy and to specifically achieve the following objectives:

- Confirm that groundwater-flow patterns characterized during the remedial investigation (RI) have not changed appreciably.
- Document the quality of groundwater entering OU-1 from the sand and gravel unit.
- Document that the MGP-related dissolved phase plume remains stable or is shrinking.

Arcadis conducted the 2021 groundwater monitoring activities (i.e., water level/NAPL gauging, groundwater sampling, and site inspection) in accordance with the Draft SMP.

In support of implementing the post-construction monitoring activities required by the Draft SMP, Arcadis' March 5, 2021, 2020 Post-Construction Monitoring Report presented recommendations for monitoring well redevelopment, repair, and decommissioning. The New York State Department of Environmental Conservation (NYSDEC) approved the 2020 Post-Construction Monitoring Report, including the proposed monitoring well network modifications, via NYSDC's June 21, 2021, letter to NYSEG. As detailed herein, the 2021 site activities included the NYSDC-approved monitoring well network modifications.

The Draft SMP also requires an annual site inspection to evaluate site usage, general site conditions, and the condition of the cover system. This inspection was performed by Arcadis in 2021.

Additionally, the June 2021 Focused Feasibility Study (FFS) Report for OU-2 requires periodic visual monitoring to assess the presence/absence of sheens potentially generated from sediment remaining in the OU-2 removal areas. As detailed herein, the first year (i.e., “year 1”) of quarterly visual monitoring for sheens was conducted in 2021.

Field activities completed in 2021 (as well as the associated monitoring results) for the above described well redevelopment, repair, and decommissioning; groundwater monitoring and sampling; and sheen monitoring are presented and discussed in greater detail below, followed by conclusions and recommendations based on the monitoring/sampling results.

As indicated in the Draft SMP, periodic riverbank monitoring is required (i.e., monthly, for 1 year following restoration) to evaluate the stability of the restored near-shore river bottom and adjacent riverbank. Completed OU-2 bank stability (and vegetation) monitoring activities and results were previously documented in the November 12, 2021, Transloading Area Restoration Monitoring Report and, as such, are not discussed herein.

Well Redevelopment, Repair, and Decommissioning

During the weeks of November 1 and 8, 2021, Arcadis completed well redevelopment, repair, and decommissioning/abandonment activities in accordance with the recommendations provided in the NYSDEC-approved 2020 Post-Construction Monitoring Report.

The current configuration of the site’s monitoring well network is shown on Figure 1.

Well Location

Monitoring wells not located during the 2020 monitoring activities were located using ground penetrating radar and conventional survey techniques. Monitoring wells MW-97-7, PZ-03-01-D, and NAPL barrier wall recovery wells RW-4, RW-5, RW-6, and RW-7 were found. NAPL monitoring well NMW-04 (formerly located north of the “Gas Control Building”) could not be located and is assumed to be destroyed/abandoned.

Well Redevelopment

Monitoring well MW-01-17-S (located west of Brandywine Avenue) was blocked by accumulated sediment/silt. This monitoring well was redeveloped by adding 8 gallons of distilled water, and then pumping to remove accumulated sediment and improve the hydraulic communication with the surrounding subsurface soils. A well development log is included in Attachment 1.

Well Repairs

Well vaults for several NAPL barrier wall recovery wells and curb boxes for off-site (side-gradient) monitoring wells were damaged or had settled over the previous several years. Well vault and curb box repair/replacement were completed for the following wells: RW-2, RW-3, RW-6 through RW-15, MW97-14D, and MW97-14S. Where missing or damaged, caps or J-plugs were replaced at all wells. Additionally, bollards were installed around NAPL

barrier wall recovery wells RW-6 through RW-15 to prevent potential future damage from ongoing site operations. Representative photos of well vault repairs are provided as Attachment 2.

Following well repair activities, the location and measuring point elevations for all NAPL barrier wall recovery wells, piezometers, and monitoring wells were resurveyed. Tables 1 and 2 included herein have been updated accordingly. Additionally, well construction details and survey information will be provided in the forthcoming revised Draft SMP.

Well Decommissioning

Piezometer clusters PZ-03-03 through PZ-03-05, piezometer PZ01-03, and bedrock monitoring well MW01-07R were decommissioned using the grout in-place method, in accordance with the NYSDEC's Groundwater Monitoring Well Decommissioning Policy (CP-43). Decommissioned piezometer and monitoring well locations are shown on Figure 1.

Since the 2020 groundwater sampling event, additional repaving has occurred in Court Street near piezometer cluster PZ-03-02. This cluster was to be decommissioned but was unable to be located and is assumed to have been paved over or destroyed. Well decommissioning logs are included as Attachment 3.

2021 Monitoring and Sampling

The 2021 monitoring and sampling activities consisted of the following:

- Conducting gauging to assess the presence/absence of non-aqueous phase liquid (NAPL).
- Collecting and submitting groundwater samples from select monitoring wells for laboratory analysis to assess groundwater quality.
- Conducting a site-wide inspection to assess the condition and effectiveness of the site cover system.
- Conducting quarterly sheen monitoring at OU-2 to assess the presence of MGP-related sheens.

Monitoring and sampling activity details are presented below. Monitoring well locations are shown on Figure 1.

NAPL and Water Level Gauging

Arcadis conducted NAPL and water level gauging on November 2, 2021. NAPL gauging activities/results and groundwater flow/elevation information are presented below.

NAPL Gauging Activities and Results

Field personnel used an oil-water interface probe and/or weighted tape to gauge for accumulated NAPL, and measure water levels and depth to bottom at each monitoring well /piezometer.

2021 NAPL gauging results for NAPL barrier wall recovery wells and NAPL monitoring wells NMW-01 and NWM-02 are presented in Table 1. For reference, gauging results from January 2007 to December 2017 are also included in Table 1. NAPL gauging results for the remaining upgradient, side gradient, and sentinel wells are presented in Table 2, which also includes gauging results from November 2004 to December 2017, for reference.

No NAPL has accumulated in any of the gauged wells (since the last gauging event completed in 2020).

Groundwater Elevation and Flow

Field personnel conducted synoptic water level measurements during the groundwater sampling event, in conjunction with NAPL gauging. Depth-to-water measurements were taken from surveyed marks on the top of the inner well casings and converted to elevations. Groundwater elevation data are summarized in Tables 1 and 2. Water table and sand and gravel unit potentiometric surface maps for the November 2021 monitoring event are included as Figures 2 and 3, respectively. For comparison, water table and sand and gravel unit potentiometric surface maps from the 2002 RI are included as Attachment 4.

When comparing the 2002 and 2021 maps, the following should be considered:

- The 2002 maps were drawn using a greater number of data points; many of the previous monitoring wells and piezometers were removed during remedial construction activities.
- The 2002 water table map represents water table elevations prior to installing the NAPL barrier wall. The NAPL barrier wall is comprised of a permeable gravel-filled trench keyed into low-permeability till, with several short segments composed of low-permeability jet-grout panels. A high-density polyethylene (HDPE) curtain lines the downgradient side of the gravel-filled portions of the barrier, extending below the water table. The grout panels and HDPE curtain serve as barriers to groundwater flow. Accordingly, the gravel-filled trench, grout panels, and HDPE curtain alter local groundwater flow patterns.

Therefore, both historical flow patterns and inferred groundwater flow effects (i.e., caused by the NAPL barrier wall) were considered when preparing Figures 2 and 3.

The November 2021 configuration of the water table (Figure 2) is similar to that mapped in 2002. Groundwater is mounded atop the underlying silt-and-clay unit near the center of the site. That groundwater moves radially away from the mound, either 1) spilling off the eastern and western edges of the silt-and-clay unit or 2) entering the gravel panels of the NAPL barrier wall, where groundwater moves downward beneath the HDPE curtain and into the underlying sand-and-gravel unit. Downgradient of the NAPL barrier wall and beneath Court Street, shallow groundwater generally moves south toward the flood wall and downward beneath the flood wall, eventually discharging into the Susquehanna River.

The November 2021 configuration of the sand-and-gravel unit potentiometric surface (Figure 3) is also similar to that mapped in 2002. The relatively high-permeability of the sand-and-gravel unit results in a surface that slopes gently southward toward the river. Flow in the sand-and-gravel unit is primarily horizontal; except near the river where groundwater moves upward, discharging into the Susquehanna River.

Groundwater Sampling Activities and Results

Arcadis conducted groundwater sampling on November 2, 2020. Groundwater sampling activities and associated analytical results are summarized below.

Groundwater Sampling Activities

Monitoring wells MW-93-05-D, MW-97-14-D, MW-97-14-S, PZ-93-1, and MW-01-17-D were sampled during the 2020 post-construction monitoring event. As indicated in the 2020 Post-Construction Monitoring Report, groundwater sampling (as required by the Draft SMP) was not completed at several monitoring wells that were either blocked (by accumulated sediment/silt) or were unable to be located.

As previously indicated, well redevelopment activities (for MW-01-17-S) and well location activities (for PZ-03-01-D and MW97-7) were completed to facilitate groundwater sampling at these wells. In accordance with the Draft SMP, during the 2021 post-construction monitoring event, groundwater samples collected from these wells were submitted (to Eurofins TestAmerica) for the following analyses:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) using United States Environmental Protection Agency (USEPA) SW-846 Method 8260C.
- Polycyclic aromatic hydrocarbons (PAHs) using USEPA SW-846 Method 8270D.
- Total cyanide using USEPA SW-846 method 9012B.

Field personnel also collected and submitted one set of quality assurance/quality control (QA/QC) samples, including a field duplicate, matrix spike, matrix spike duplicate, and trip blank for laboratory analysis. Groundwater sampling logs are provided as Attachment 5.

Groundwater Quality

Eurofins TestAmerica reported analytical results using NYSDEC Analytical Service Protocol (ASP) Category B data deliverables; the laboratory report is included as Attachment 6. Arcadis validated the data and no issues with the analytical data were identified during validation. A Data Usability Summary Report (DUSR) is included as Attachment 7 and validated analytical results for 2021 groundwater samples are summarized in Table 3. For completeness, the 2020 groundwater analytical results are also included in Table 3.

The combined analytical results for 2020 and 2021 samples represent the first assessment of post-construction groundwater conditions (i.e., “year 1” conditions). For comparison, the most recent groundwater analytical results from the RI (i.e., 1997 and 2001) are also included on Table 3. Analytical results presented in Table 3 are compared to NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1) Class GA groundwater quality standards/guidance values. Analytical results for 2021 groundwater samples indicate the following:

- PZ-03-01-D – Benzene and acenaphthene concentrations exceeded their respective Class GA groundwater quality standard or guidance value.
- MW-97-7 – Benzene exceeded the Class GA groundwater quality standard.
- Cyanide was not detected at concentrations exceeding its Class GA groundwater quality standard in any samples.

Piezometer PZ-03-01-D and monitoring well MW-97-7 (located at the southeast corner of the intersection of Court and Tompkins Streets, see Figure 1) are screened across NAPL-containing material and constituents of concern (COC) concentrations exceed Class GA groundwater standards and guidance values. Therefore, presence of COCs in these groundwater samples is not unexpected. Although piezometer PZ-03-01-D was not sampled during the RI, as presented in Table 3, the RI groundwater sample collected from monitoring well MW-97-7 contained low-level BTEX concentrations (only xylene was detected in this RI sample, however, method detection limits were notably higher compared to current analytical methods).

As indicated in the 2020 Post-Construction Monitoring Report, although piezometer PZ93-1 (screened in the fill unit) was not sampled during the RI, monitoring MW97-13S (formerly located approximately 90 feet south and upgradient of piezometer PZ93-1) was sampled and contained total BTEX and total PAH concentrations greater than 34,000 and 10,000 micrograms per liter (ug/L) (see RI Figure 13 included in Attachment 4). The analytical

results for the 2020 groundwater sample collected from PZ93-1 indicate that COC concentrations are decreasing in shallow groundwater in the central portion of the site. Additionally, comparing 1997 and 2020 analytical results for groundwater samples collected from MW93-05D (screened in the sand and gravel unit) also indicates that COC concentrations have slightly decreased in this area of the site.

Waste Management

Arcadis contained and staged investigation-derived waste generated during the groundwater sampling and NAPL gauging activities in appropriately labeled NYSDOT-approved 55-gallon drums for off-site treatment/disposal by NYSEG's waste disposal vendor.

Site Inspection

In accordance with the Draft SMP, Arcadis conducted a site inspection to evaluate site usage, general site conditions, and the condition of the cover system. As documented on the Site Inspection Form (included as Attachment 8), the asphalt and gravel cover system were intact with no evidence of intrusive activities.

Following the completion of well repairs documented herein, wells and piezometers included in the monitoring well network are currently in satisfactory condition.

Sheen Monitoring

The OU-2 FFS (and the forthcoming revised Draft SMP) requires periodic visual monitoring for potential sheens that may be generated from the OU-2 sediment removal areas. Arcadis completed quarterly sheen monitoring from the Tompkins Street Bridge in February, May, August, and November 2021 (i.e., "year 1" of sheen monitoring). During the February monitoring event, the Susquehanna River was completely covered with ice preventing observation of the water surface. No sheens were observed during subsequent monitoring events.

Note that quarterly sheen monitoring activities for 2022 (i.e., "year 2") will be scheduled such that the water surface at the OU-2 excavation zone will be visible during the observation period (i.e., not covered with ice).

Summary and Conclusions

Based on the 2021 post-construction monitoring results:

- There is no evidence that NAPL is migrating on-site or off-site. NAPL has not accumulated in the NAPL barrier wall in the 15 years since the wall was installed (i.e., in 2006), and NAPL has not accumulated in any off-site wells that are monitored.
- Post-remediation groundwater flow directions are generally consistent with pre-remediation conditions; except near the NAPL barrier wall, where shallow groundwater in the fill and silt-and-clay unit generally enters the gravel-filled portions of the trench and moves downward into the sand-and-gravel unit, as anticipated/ designed. Consistent with pre-remediation conditions, groundwater in the sand-and-gravel unit moves southward and discharges into the Susquehanna River. Shallow groundwater downgradient of the NAPL barrier wall also discharges to the Susquehanna River.
- COCs were detected at PZ-03-01-D and MW-97-7, which are screened across NAPL-containing material. Other COC detections in 2020 groundwater samples are expected given the nature of the residually impacted

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New York State Department of Environmental Conservation
January 19, 2022

material that remains in subsurface soils at the site. Additionally, as indicated above and based on sampling results from 2020 and 2021, the quality of groundwater in the central portion of the site has improved since completion of the remedy.

- Site cover system is intact and functioning, with no evidence of intrusive activities.
- No sheens were observed on the Susquehanna River during 2021 quarterly sheen monitoring for OU-2.

Schedule

Consistent with the monitoring and reporting requirements presented in the Draft SMP:

- The site cover inspection and NAPL monitoring will continue to be completed on an annual basis; tentatively scheduled for Q4 2022.
- Consistent with the requirements presented in the OU-2 FFS and the forthcoming revised Draft SMP, sheen monitoring will be completed quarterly in 2022 (i.e., "year 2" of sheen monitoring), tentatively scheduled for February, May, August, and November.
- The next groundwater sampling event will occur in 2025 (i.e., post-construction "year 5").

Additionally, the Draft SMP is currently being updated based on 1) NYSDEC comments on the Draft SMP and 2) OU-2 monitoring requirements included in the OU-2 FFS. A revised draft SMP is anticipated to be provided to NYSDEC in Q2 2022.

Please contact Tracy Blazicek of NYSEG at 607.237.5325 or tiblazicek@nyseg.com with any questions or comments.

Sincerely,
Arcadis of New York, Inc.

A handwritten signature in black ink, appearing to read "Joe Bistrovich". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Joe Bistrovich
Project Environmental Engineer

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CC. Tracy Blazicek, CHMM, NYSEG
Keith White, PG, Arcadis
Mark Gravelding, PE, Arcadis

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New York State Department of Environmental Conservation
January 19, 2022

Enc: Table 1 – NAPL Recovery Well Gauging and Groundwater Elevation Summary
Table 2 – Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
Table 3 – Groundwater Sample Analytical Results Summary

Figure 1 – Monitoring Well Plan

Figure 2 – Water Table Map

Figure 3 – Sand and Gravel Potentiometric Surface Map

Attachment 1 – Well Development Log

Attachment 2 – Recovery Well Vault Repair Photolog

Attachment 3 – Well Decommissioning Logs

Attachment 4 – Select RI Figures

Attachment 5 – Groundwater Sampling Logs

Attachment 6 – Analytical Report

Attachment 7 – Data Usability Summary Report

Attachment 8 – Site Inspection Form

Tables

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-1									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	7.59	834.72	52.83	789.48	1.37	--	--	--	Soft bottom, coal-tar-like odor.
04/25/07	7.22	835.09	52.50	789.81	1.70	--	--	--	Coal-tar-like odor.
05/30/07	9.76	832.55	52.54	789.77	1.66	--	--	--	Trace yellow NAPL on top of probe, coal-tar-like odor.
06/27/07	10.73	831.58	52.85	789.46	1.35	--	--	--	Silt on the last 1" of probe.
07/24/07	10.41	831.90	52.60	789.71	1.60	--	--	--	Coal-tar-like odor.
08/28/07	10.87	831.44	52.71	789.60	1.49	--	--	--	Soft bottom, Silt on probe, VOC = 0.7ppm.
09/20/07	10.86	831.45	52.65	789.66	1.55	--	--	--	penetrated sediment in well 0.25', coal-tar-like odor, coal-tar-like material on probe.
10/31/07	9.33	832.98	52.50	789.81	1.70	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor, VOCs = 0.0 ppm.
11/20/07	9.00	833.31	52.53	789.78	1.67	--	--	--	Coal-tar-like odor.
12/18/07	8.79	833.52	52.51	789.80	1.69	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	9.18	833.13	52.45	789.86	1.75	--	--	--	Soft bottom.
02/21/08	7.96	834.35	52.71	789.60	1.49	--	--	--	Soft bottom, coal-tar-like odor.
03/18/08	7.86	834.45	52.74	789.57	1.46	--	--	--	Soft bottom, coal-tar-like odor.
05/12/08	9.98	832.33	52.91	789.40	1.29	--	--	--	Soft bottom, coal-tar-like odor.
06/05/08	10.62	831.69	53.35	788.96	0.85	--	--	--	Trace sheen, soft bottom.
07/08/08	10.89	831.42	52.62	789.69	1.58	--	--	--	Soft bottom, coal-tar-like odor.
08/06/08	10.42	831.89	52.70	789.61	1.50	--	--	--	Soft bottom.
11/19/08	9.91	832.40	53.41	788.90	0.79	--	--	--	
02/06/09	10.36	831.95	52.69	789.62	1.51	--	--	--	
05/29/09	NR	NR	NR	NR	NR	--	--	--	Curb box lid fractured. Riser no longer plumb, leaning toward the west.
08/11/09	8.36	833.95	53.50	788.81	0.70	--	--	--	Very Soft bottom, slight odor.
11/09/09	9.39	832.92	53.65	788.66	0.55	--	--	--	Soft bottom.
02/23/10	10.10	832.21	53.50	788.81	0.70	--	--	--	Soft bottom, coal-tar-like odor, 0.0 ppm.
05/28/10	10.24	832.07	52.98	789.33	1.22	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	9.89	832.42	52.30	790.01	1.90	--	--	--	Soft bottom, 0.0 ppm.
11/23/10	9.17	833.14	52.20	790.11	2.00	--	--	--	Soft bottom, 0.0 ppm.
02/28/11	8.54	833.77	52.90	789.41	1.30	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	8.68	833.63	52.12	790.19	2.08	--	--	--	Soft bottom, 0.0 ppm.
08/26/11	10.34	831.97	52.20	790.11	2.00	--	--	--	Soft bottom, 0.0 ppm.
02/15/12	9.89	832.42	53.55	788.76	0.65	--	--	--	Soft bottom, 0.0 ppm.
06/15/12	10.01	832.30	53.55	788.76	0.65	--	--	--	Soft bottom, 0.0 ppm.
11/19/12	9.97	832.34	53.32	788.99	0.88	--	--	--	Soft bottom, 0.0 ppm.
11/26/13	10.22	832.09	51.11	791.20	3.09	--	--	--	Soft bottom.
05/16/14	9.37	832.94	51.37	790.94	2.83	--	--	--	Soft bottom.
12/01/14	9.81	832.50	51.40	790.91	2.80	--	--	--	Soft bottom.
12/17/15	10.13	832.18	51.14	791.17	3.06	--	--	--	Soft bottom.
12/27/16	9.42	832.89	53.48	788.83	0.72	--	--	--	Firm bottom.
12/21/17	10.41	831.90	51.41	790.90	2.79	--	--	--	Soft bottom.
11/23/20	10.36	831.95	51.47	790.84	2.73	--	--	--	Hard bottom.
11/2/2021 ⁵	8.14	833.62	51.43	790.33	2.77	--	--	--	

Top of Casing (FAMSL) = 841.76
 Well bottom elev. (installed; FAMSL) = 787.56
 Installed Well Depth (ft) = 54.20

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 842.31 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-2									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	8.10	834.02	49.53	792.59	2.77	--	--	--	Soft bottom.
04/25/07	7.40	834.72	49.15	792.97	3.15	--	--	--	Sheen on probe.
05/30/07	10.32	831.80	49.20	792.92	3.10	--	--	--	Trace Silt on probe.
06/27/07	11.25	830.87	49.52	792.60	2.78	--	--	--	Black material on probe, tape and floating on the surface of the water.
07/24/07	10.73	831.39	49.78	792.34	2.52	--	--	--	Able to penetrate sediment in well 0.15', faint organic-like odor.
08/28/07	11.38	830.74	49.27	792.85	3.03	--	--	--	Soft bottom.
09/20/07	11.42	830.70	49.04	793.08	3.26	--	--	--	Able to penetrate sediment in well 0.3', slight coal-tar-like odor.
10/31/07	9.93	832.19	49.17	792.95	3.13	--	--	--	penetrated sediment in well 0.2', strong coal-tar-like odor, manure-like odor, VOCs = 1.5 ppm.
11/20/07	9.60	832.52	49.30	792.82	3.00	--	--	--	Mild coal-tar-like odor.
12/18/07	9.42	832.70	49.10	793.02	3.20	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	9.69	832.43	49.28	792.84	3.02	--	--	--	Soft bottom.
02/21/08	8.53	833.59	49.81	792.31	2.49	--	--	--	Soft bottom, coal-tar-like odor.
03/18/08	8.37	833.75	49.25	792.87	3.05	--	--	--	Soft bottom, sediment on probe. Vault lid will not close flush to the vault frame work, may be due to plowing or vehicles driving over the vault.
05/12/08	10.45	831.67	49.57	792.55	2.73	--	--	--	Soft bottom, coal-tar-like odor, sediment on probe.
06/05/08	11.19	830.93	52.27	789.85	0.03	--	--	--	Foam on the surface of the water. Well redeveloped on June 5th 2008.
07/08/08	11.44	830.68	52.18	789.94	0.12	--	--	--	Firm bottom, mild coal-tar-like odor.
08/06/08	11.00	831.12	52.02	790.10	0.28	--	--	--	Firm bottom, mild coal-tar-like odor.
11/19/08	10.39	831.73	52.17	789.95	0.13	--	--	--	Firm bottom, steel casing has moved - well is no longer plumb.
02/06/09	10.50	831.62	52.15	789.97	0.15	--	--	--	
05/29/09	9.49	832.63	52.15	789.97	0.15	--	--	--	Firm bottom, riser leaning toward the east.
08/11/09	8.99	833.13	52.15	789.97	0.15	--	--	--	Firm bottom.
11/09/09	9.98	832.14	52.22	789.90	0.08	--	--	--	Firm bottom.
02/23/10	10.62	831.50	52.20	789.92	0.10	--	--	--	Firm bottom, 0.0 ppm.
05/28/10	10.78	831.34	52.05	790.07	0.25	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	10.44	831.68	52.12	790.00	0.18	--	--	--	Dark gray sediment on probe, mild coal tar-like odor, 0.0 ppm.
11/23/10	9.74	832.38	52.52	789.60	-0.22	--	--	--	Soft bottom.
02/28/11	9.69	832.43	51.99	790.13	0.31	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	9.31	832.81	52.08	790.04	0.22	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	10.91	831.21	52.06	790.06	0.24	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	10.43	831.69	52.03	790.09	0.27	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	10.76	831.36	52.03	790.09	0.27	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	10.52	831.60	52.10	790.02	0.20	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	10.47	831.65	51.55	790.57	0.75	--	--	--	Soft bottom.
05/16/14	9.57	832.55	51.67	790.45	0.63	--	--	--	Soft bottom.
12/01/14	10.13	831.99	51.62	790.50	0.68	--	--	--	Soft bottom.
12/17/15	10.39	831.73	51.70	790.42	0.60	--	--	--	Soft bottom.
12/27/16	10.51	831.61	51.70	790.42	0.60	--	--	--	Firm bottom.
12/21/17	10.67	831.45	51.71	790.41	0.59	--	--	--	Firm bottom.
11/23/20	10.71	831.41	51.61	790.51	0.69	--	--	--	Hard bottom
11/9/2021 ⁵	9.01	832.96	51.70	790.27	0.60	--	--	--	

Top of Casing (FAMSL) = 841.97
 Well bottom elev. (installed; FAMSL) = 789.67
 Installed Well Depth (ft) = 52.30

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well redeveloped on June 5th 2008.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 842.12 (FAMSL).
6. Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-3									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	8.13	833.70	16.31	825.52	0.44	--	--	--	Soft bottom.
04/25/07	7.90	833.93	16.50	825.33	0.25	--	--	--	
05/30/07	10.33	831.50	16.39	825.44	0.36	--	--	--	Firm bottom, little dark gray sediment on probe.
06/27/07	11.26	830.57	16.15	825.68	0.60	--	--	--	Silt on the last 4" of probe.
07/24/07	10.72	831.11	16.70	825.13	0.05	--	--	--	Able to penetrate sediment in well 0.5', faint organic-like odor.
08/28/07	11.38	830.45	16.20	825.63	0.55	--	--	--	Soft bottom.
09/20/07	11.42	830.41	16.25	825.58	0.50	--	--	--	Able to penetrate sediment in well 0.2', slight coal-tar-like odor.
10/31/07	9.92	831.91	16.48	825.35	0.27	--	--	--	Able to penetrate sediment in well 0.2', slight coal-tar-like odor, manure-like odor, VOCs = 4.7 ppm.
11/20/07	9.59	832.24	16.26	825.57	0.49	--	--	--	Mild coal-tar-like odor.
12/18/07	9.43	832.40	16.25	825.58	0.50	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	9.66	832.17	16.17	825.66	0.58	--	--	--	
02/21/08	8.51	833.32	16.59	825.24	0.16	--	--	--	Soft bottom.
03/18/08	8.35	833.48	16.49	825.34	0.26	--	--	--	Soft bottom, coal-tar-like odor. Vault lid will not close flush to the vault frame work, may be due to plowing or vehicles driving over the vault.
05/12/08	10.45	831.38	16.59	825.24	0.16	--	--	--	Soft bottom, sediment on probe.
06/05/08	11.16	830.67	16.65	825.18	0.10	--	--	--	Approximately 0.25' of gray sediment in well.
07/08/08	11.44	830.39	16.51	825.32	0.24	--	--	--	Firm bottom.
08/06/08	10.99	830.84	16.29	825.54	0.46	--	--	--	Coal-tar-like odor.
11/19/08	10.45	831.38	16.73	825.10	0.02	--	--	--	Firm bottom, steel casing has moved - wells no longer plumb.
02/06/09	10.84	830.99	16.61	825.22	0.14	--	--	--	
05/29/09	9.49	832.34	16.61	825.22	0.14	--	--	--	Firm bottom, riser leaning slightly.
08/11/09	8.99	832.84	16.40	825.43	0.35	--	--	--	Very soft, slight odor, 3.5" of dark gray sediment on probe.
11/09/09	9.98	831.85	16.70	825.13	0.05	--	--	--	Soft bottom, coal-tar-like odor.
02/23/10	10.63	831.20	16.60	825.23	0.15	--	--	--	Firm bottom, 0.0 ppm.
05/28/10	10.78	831.05	16.30	825.53	0.45	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	10.45	831.38	16.22	825.61	0.53	--	--	--	Gray sediment on probe, coal tar-like odor, 0.0 ppm.
11/23/10	9.74	832.09	16.40	825.43	0.35	--	--	--	Soft bottom.
02/28/11	9.66	832.17	16.17	825.66	0.58	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	9.31	832.52	16.43	825.40	0.32	--	--	--	Soft bottom, 0.0 ppm.
08/26/11	10.91	830.92	16.32	825.51	0.43	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	10.47	831.36	16.51	825.32	0.24	--	--	--	Firm bottom, 0.0 ppm; coal tar-like odor.
06/15/12	10.55	831.28	16.31	825.52	0.44	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	10.54	831.29	16.63	825.20	0.12	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	10.51	831.32	15.87	825.96	0.88	--	--	--	Soft bottom.
05/16/14	9.60	832.23	15.88	825.95	0.87	--	--	--	Soft bottom.
12/01/14	10.13	831.70	15.88	825.95	0.87	--	--	--	Soft bottom.
12/17/15	10.39	831.44	15.94	825.89	0.81	--	--	--	Soft bottom.
12/27/16	10.51	831.32	15.94	825.89	0.81	--	--	--	Firm bottom.
12/21/17	10.69	831.14	16.17	825.66	0.58	--	--	--	Soft bottom.
11/02/21	10.74	831.09	16.13	825.70	0.62	--	--	--	Bottom slightly soft
11/9/2021 ⁵	9.02	832.99	16.17	825.84	0.58	--	--	--	

Top of Casing (FAMSL) = 842.01
 Well bottom elev. (installed; FAMSL) = 825.26
 Installed Well Depth (ft) = 16.75

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 841.83 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-4									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	8.72	833.79	15.61	826.90	1.49	--	--	--	Soft bottom.
04/25/07	5.92	836.59	15.75	826.76	1.35	--	--	--	
05/30/07	11.03	831.48	15.90	826.61	1.20	--	--	--	Soft bottom, little Silt on probe.
06/27/07	11.96	830.55	15.89	826.62	1.21	--	--	--	Mild coal-tar-like odor, black material on probe.
07/24/07	11.42	831.09	15.76	826.75	1.34	--	--	--	Hard bottom, organic-like odor.
08/28/07	12.11	830.40	15.75	826.76	1.35	--	--	--	Mild manure-like odor.
09/20/07	12.14	830.37	15.76	826.75	1.34	--	--	--	Firm bottom, slight coal-tar-like odor, manure-like odor.
10/31/07	10.65	831.86	15.72	826.79	1.38	--	--	--	Firm bottom, slight coal-tar-like odor, manure-like odor, VOCs = 0.9 ppm.
11/20/07	10.32	832.19	15.79	826.72	1.31	--	--	--	Firm bottom.
12/18/07	10.14	832.37	15.80	826.71	1.30	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	10.38	832.13	15.69	826.82	1.41	--	--	--	Soft bottom.
02/21/08	9.08	833.43	15.88	826.63	1.22	--	--	--	Firm bottom, coal-tar-like odor, manure-like odor.
03/18/08	9.07	833.44	15.96	826.55	1.14	--	--	--	Firm bottom, mild coal-tar-like odor.
05/12/08	11.17	831.34	15.99	826.52	1.11	--	--	--	Firm bottom.
06/05/08	11.88	830.63	16.02	826.49	1.08	--	--	--	
07/08/08	12.16	830.35	15.91	826.60	1.19	--	--	--	Firm bottom.
08/06/08	11.70	830.81	15.90	826.61	1.20	--	--	--	Firm bottom.
11/19/08	11.19	831.32	15.99	826.52	1.11	--	--	--	Hard bottom.
02/06/09	11.57	830.94	15.82	826.69	1.28	--	--	--	
05/29/09	10.22	832.29	15.95	826.56	1.15	--	--	--	Hard bottom, riser leaning to the south.
08/11/09	9.74	832.77	15.90	826.61	1.20	--	--	--	Firm bottom, slight odor.
11/09/09	10.71	831.80	15.90	826.61	1.20	--	--	--	Firm bottom.
02/23/10	11.37	831.14	15.90	826.61	1.20	--	--	--	Firm bottom, 0.0 ppm.
05/28/10	11.51	831.00	15.85	826.66	1.25	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	11.12	831.39	15.82	826.69	1.28	--	--	--	Sediment on probe, 0.0 ppm.
11/23/10	10.47	832.04	15.90	826.61	1.20	--	--	--	Firm bottom.
02/28/11	10.35	832.16	15.72	826.79	1.38	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	10.01	832.50	15.82	826.69	1.28	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	11.61	830.90	15.80	826.71	1.30	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	11.15	831.36	15.85	826.66	1.25	--	--	--	Firm bottom, coal tar-like odor, 0.0 ppm.
06/15/12	11.45	831.06	15.85	826.66	1.25	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	11.21	831.30	15.80	826.71	1.30	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	11.53	830.98	15.75	826.76	1.35	--	--	--	Firm bottom.
05/16/14	10.59	831.92	15.88	826.63	1.22	--	--	--	Firm bottom.
12/01/14	11.13	831.38	15.86	826.65	1.24	--	--	--	Firm bottom.
12/17/15	11.40	831.11	15.73	826.78	1.37	--	--	--	Firm bottom.
12/27/16	10.75	831.76	15.84	826.67	1.26	--	--	--	Firm bottom.
12/21/17	11.71	830.80	15.85	826.66	1.25	--	--	--	Hard bottom.
11/23/20	NM	NM	NM	NM	NM	NM	NM	NM	Unable to locate
11/2/2021 ⁵	9.57	833.42	15.88	827.11	1.22	--	--	--	

Top of Casing (FAMSL) = 842.99
 Well bottom elev. (installed; FAMSL) = 825.89
 Installed Well Depth (ft) = 17.10

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 842.51 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-5									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	8.76	833.72	39.95	802.53	8.65	--	--	--	Soft bottom.
04/25/07	5.58	836.90	40.10	802.38	8.50	--	--	--	Coal-tar-like odor.
05/30/07	10.99	831.49	40.10	802.38	8.50	--	--	--	Soft bottom, trace Silt on probe, slight coal-tar-like odor.
06/27/07	11.94	830.54	40.22	802.26	8.38	--	--	--	Coal-tar-like odor, manure-like odor, Silt on the last 2" of probe.
07/24/07	11.41	831.07	40.07	802.41	8.53	--	--	--	Able to penetrate sediment in well 0.8'.
08/28/07	12.07	830.41	40.25	802.23	8.35	--	--	--	Silt on end of probe, manure-like odor.
09/20/07	12.09	830.39	40.11	802.37	8.49	--	--	--	Able to penetrate sediment in well 0.11', coal-tar-like odor, manure-like odor.
10/31/07	10.62	831.86	40.25	802.23	8.35	--	--	--	Able to penetrate sediment in well 0.2', manure-like odor, VOCs = 2.0 ppm.
11/20/07	10.28	832.20	40.09	802.39	8.51	--	--	--	Mild coal-tar-like odor.
12/18/07	10.11	832.37	40.17	802.31	8.43	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	10.34	832.14	40.04	802.44	8.56	--	--	--	Soft bottom.
02/21/08	9.11	833.37	40.90	801.58	7.70	--	--	--	Soft bottom, manure-like odor.
03/18/08	9.05	833.43	40.90	801.58	7.70	--	--	--	Soft bottom, coal-tar-like odor.
05/12/08	11.18	831.30	42.89	799.59	5.71	--	--	--	Soft bottom, coal-tar-like odor.
06/05/08	11.83	830.65	48.60	793.88	0.00	--	--	--	Well redeveloped on June 5th 2008.
07/08/08	12.11	830.37	48.59	793.89	0.01	--	--	--	Firm bottom, mild coal-tar-like odor.
08/06/08	11.69	830.79	48.60	793.88	0.00	--	--	--	Coal-tar-like odor.
11/19/08	11.08	831.40	48.56	793.92	0.04	--	--	--	Firm bottom.
02/06/09	11.60	830.88	48.68	793.80	-0.08	--	--	--	
05/29/09	10.19	832.29	48.59	793.89	0.01	--	--	--	Hard bottom.
08/11/09	9.71	832.77	48.55	793.93	0.05	--	--	--	Firm bottom.
11/09/09	10.67	831.81	48.61	793.87	-0.01	--	--	--	Firm bottom.
02/23/10	11.32	831.16	48.60	793.88	0.00	--	--	--	Firm bottom, 0.0 ppm.
05/28/10	11.49	830.99	48.67	793.81	-0.07	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	11.18	831.30	48.57	793.91	0.03	--	--	--	Sediment on probe, 0.0 ppm.
11/23/10	10.45	832.03	NR	NR	NR	--	--	--	Firm bottom.
02/28/11	10.37	832.11	48.50	793.98	0.10	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	10.01	832.47	48.53	793.95	0.07	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	11.61	830.87	48.55	793.93	0.05	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	11.10	831.38	48.54	793.94	0.06	--	--	--	Firm bottom, 0.0 ppm; coal tar-like odor.
06/15/12	11.45	831.03	48.54	793.94	0.06	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	11.21	831.27	48.55	793.93	0.05	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	11.49	830.99	48.62	793.86	-0.02	--	--	--	Firm bottom.
05/16/14	10.60	831.88	48.59	793.89	0.01	--	--	--	sheen; firm bottom.
12/01/14	11.13	831.35	48.65	793.83	-0.05	--	--	--	Firm bottom.
12/17/15	11.35	831.13	48.46	794.02	0.14	--	--	--	Firm bottom.
12/27/16	10.40	832.08	48.50	793.98	0.10	--	--	--	Firm bottom.
12/21/17	11.68	830.80	48.57	793.91	0.03	--	--	--	Firm bottom, faint coal tar-like odor.
11/23/20	NM	NM	NM	NM	NM	NM	NM	NM	Unable to locate
11/2/2021 ⁵	9.53	833.44	48.55	794.42	0.05	--	--	--	

Top of Casing (FAMSL) = 842.97
 Well bottom elev. (installed; FAMSL) = 794.37
 Installed Well Depth (ft) = 48.60

Notes:

1. Elevations referenced to NAVD 88.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well redeveloped on June 5th 2008.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 842.48 (FAMSL).
6. Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-6									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	9.52	834.05	32.90	810.67	16.20	--	--	--	Soft bottom.
04/25/07	9.12	834.45	32.80	810.77	16.30	--	--	--	Silty bottom, coal-tar-like odor, sheen on probe.
05/30/07	11.54	832.03	32.90	810.67	16.20	--	--	--	Very soft bottom, Silt on the end of probe, strong coal-tar-like odor.
06/27/07	12.32	831.25	32.95	810.62	16.15	--	--	--	Coal-tar-like odor, Silt on the last 3" of probe, black material on probe and water surface.
07/24/07	12.09	831.48	33.13	810.44	15.97	--	--	--	Trace sheen on sediment on probe, strong organic-like odor and manure-like odor, able to penetrate sediment in well 0.1', black material on probe.
08/28/07	12.50	831.07	32.95	810.62	16.15	--	--	--	Soft bottom, Silt on end of probe, manure-like odor.
09/20/07	12.87	830.70	32.95	810.62	16.15	--	--	--	Penetrated sediment 0.2', brown material at the water surface, manure-like odor.
10/31/07	11.20	832.37	32.98	810.59	16.12	--	--	--	Penetrated sediment 0.2', film on water surface, brown slimy material on the probe (from the surface of the water), coal-tar-like and manure-like odors, VOCs = 1.3 ppm.
11/20/07	10.92	832.65	33.05	810.52	16.05	--	--	--	Manure-like odor.
12/18/07	10.71	832.86	33.20	810.37	15.90	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	10.92	832.65	33.00	810.57	16.10	--	--	--	
02/21/08	9.72	833.85	32.96	810.61	16.14	--	--	--	Soft bottom, strong coal-tar-like odor, manure-like odor, sheen on water surface and sediment on probe.
03/18/08	9.46	834.11	32.85	810.72	16.25	--	--	--	Soft bottom, trace sheen on sediment on probe, no odor.
05/12/08	11.55	832.02	35.69	807.88	13.41	--	--	--	Soft bottom, coal-tar-like odor.
06/05/08	11.68	831.89	48.75	794.82	0.35	--	--	--	Well redeveloped on June 5th 2008.
07/08/08	12.57	831.00	48.50	795.07	0.60	--	--	--	Firm bottom, mild coal-tar-like odor.
08/06/08	12.12	831.45	48.42	795.15	0.68	--	--	--	Firm bottom.
11/19/08	11.68	831.89	48.44	795.13	0.66	--	--	--	Firm bottom.
02/06/09	11.98	831.59	48.60	794.97	0.50	--	--	--	
05/29/09	10.92	832.65	48.42	795.15	0.68	--	--	--	Hard bottom.
08/11/09	10.52	833.05	48.50	795.07	0.60	--	--	--	Firm bottom.
11/09/09	11.22	832.35	48.52	795.05	0.58	--	--	--	Firm bottom.
02/23/10	11.91	831.66	48.52	795.05	0.58	--	--	--	Firm bottom, 0.0 ppm.
05/28/10	11.92	831.65	48.62	794.95	0.48	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	11.74	831.83	48.40	795.17	0.70	--	--	--	0.0 ppm.
11/23/10	11.06	832.51	48.50	795.07	0.60	--	--	--	Soft bottom.
02/28/11	11.04	832.53	48.42	795.15	0.68	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	10.33	833.24	48.49	795.08	0.61	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	12.04	831.53	48.43	795.14	0.67	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	11.56	832.01	48.38	795.19	0.72	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	11.81	831.76	48.38	795.19	0.72	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	11.78	831.79	48.46	795.11	0.64	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	12.05	831.52	48.65	794.92	0.45	--	--	--	Soft bottom.
05/16/14	11.11	832.46	48.57	795.00	0.53	--	--	--	Sheen.
12/01/14	11.78	831.79	48.45	795.12	0.65	--	--	--	Soft bottom.
12/17/15	12.05	831.52	48.33	795.24	0.77	--	--	--	Firm bottom.
12/27/16	11.25	832.32	48.40	795.17	0.70	--	--	--	Firm bottom.
12/21/17	12.18	831.39	48.48	795.09	0.62	--	--	--	Hard bottom, mild coal tar-like odor, 0.2' brown NAPL staining and blebs on probe.
11/23/20	NM	NM	NM	NM	NM	NM	NM	NM	Unable to locate
11/2/2021 ⁵	10.10	833.47	48.45	795.12	0.65	--	--	--	

Top of Casing (FAMSL) = 843.57
 Well bottom elev. (installed; FAMSL) = 794.47
 Installed Well Depth (ft) = 49.10

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well redeveloped on June 5th 2008.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 843.57 (FAMSL).
6. Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-7									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	9.58	834.00	18.75	824.83	0.04	--	--	--	Firm bottom.
04/25/07	9.23	834.35	18.79	824.79	0.00	--	--	--	Coal-tar-like odor.
05/30/07	11.55	832.03	18.87	824.71	-0.08	--	--	--	Trace Silt on probe.
06/27/07	12.40	831.18	18.85	824.73	-0.06	--	--	--	Mild coal-tar-like odor, black material on probe and on water surface.
07/24/07	12.04	831.54	18.72	824.86	0.07	--	--	--	Strong manure-like odor, firm bottom, trace sheen on sediment on probe.
08/28/07	12.59	830.99	18.78	824.80	0.01	--	--	--	Firm bottom, Silt on end of probe.
09/20/07	12.66	830.92	18.60	824.98	0.19	--	--	--	Firm bottom, trace sediment on probe, manure-like odor.
10/31/07	11.31	832.27	18.73	824.85	0.06	--	--	--	Firm bottom, mild coal-tar-like odor, manure-like odor, VOCs = 6.3 ppm.
11/20/07	11.01	832.57	18.83	824.75	-0.04	--	--	--	Coal-tar-like odor, manure-like odor, sediment on probe.
12/18/07	10.76	832.82	18.95	824.63	-0.16	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	10.90	832.68	18.66	824.92	0.13	--	--	--	Soft bottom.
02/21/08	9.78	833.80	18.73	824.85	0.06	--	--	--	Firm bottom, coal-tar-like odor, manure-like odor.
03/18/08	9.55	834.03	18.80	824.78	-0.01	--	--	--	Firm bottom, mild coal-tar-like odor, sediment on probe.
05/12/08	11.62	831.96	12.77	830.81	6.02	--	--	--	Firm bottom, coal-tar-like odor.
06/05/08	11.34	832.24	18.74	824.84	0.05	--	--	--	
07/08/08	12.62	830.96	18.73	824.85	0.06	--	--	--	Firm bottom, sediment on probe.
08/06/08	12.16	831.42	18.70	824.88	0.09	--	--	--	Firm bottom, coal-tar-like odor.
11/19/08	11.77	831.81	18.75	824.83	0.04	--	--	--	Firm bottom.
02/06/09	12.02	831.56	18.70	824.88	0.09	--	--	--	
05/29/09	10.92	NR	18.77	NR	NR	--	--	--	Hard bottom.
08/11/09	10.57	833.01	18.72	824.86	0.07	--	--	--	Firm bottom, odor.
11/09/09	11.24	832.34	18.75	824.83	0.04	--	--	--	Firm bottom.
02/23/10	11.89	831.69	18.75	824.83	0.04	--	--	--	Firm bottom, 0.0 ppm.
05/28/10	11.94	831.64	18.66	824.92	0.13	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	11.80	831.78	18.70	824.88	0.09	--	--	--	Sediment on probe, mild coal tar-like odor, 0.0 ppm.
11/23/10	11.05	832.53	18.65	824.93	0.14	--	--	--	Sediment on probe, mild coal tar-like odor, 0.0 ppm.
02/28/11	11.04	832.54	18.70	824.88	0.09	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	10.32	833.26	18.72	824.86	0.07	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	12.06	831.52	18.69	824.89	0.10	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	11.59	831.99	18.67	824.91	0.12	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	11.77	831.81	18.67	824.91	0.12	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	11.77	831.81	18.71	824.87	0.08	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	12.06	831.52	18.70	824.88	0.09	--	--	--	Firm bottom.
05/16/14	11.15	832.43	18.68	824.90	0.11	--	--	--	Firm bottom.
12/01/14	11.78	831.80	18.72	824.86	0.07	--	--	--	Firm bottom.
12/17/15	12.01	831.57	18.63	824.95	0.16	--	--	--	Firm bottom.
12/27/16	11.30	832.28	18.69	824.89	0.10	--	--	--	Firm bottom.
12/21/17	12.22	831.36	18.72	824.86	0.07	--	--	--	Firm bottom.
11/23/20	NM	NM	NM	NM	NM	NM	NM	NM	Unable to locate
11/2/2021 ⁵	10.07	833.51	17.96	825.62	0.83	--	--	--	

Top of Casing (FAMSL) = 843.58
 Well bottom elev. (installed; FAMSL) = 824.79
 Installed Well Depth (ft) = 18.79

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevation is based on averaged measured well depth over time. The well bottom elevation was changed on 12/29/08 because sediment thickness values, using well bottom elevation from probing event on 1/13/08, were indicating negative sediment.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 843.58 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-8									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	9.58	833.47	14.09	828.96	4.01	--	--	--	Soft bottom.
04/25/07	9.20	833.85	14.10	828.95	4.00	--	--	--	Very Silty. Silt on probe, trace sheen on sediment on probe.
05/30/07	11.48	831.57	14.02	829.03	4.08	--	--	--	Silt on 2" of end of probe.
06/27/07	12.32	830.73	14.05	829.00	4.05	--	--	--	Coal-tar-like odor, Silt on the last 4" of probe, black material on probe and tape.
07/24/07	11.99	831.06	14.68	828.37	3.42	--	--	--	Penetrated sediment 0.9', trace coal-tar-like blebs and sheen in sediment, strong manure-like odor.
08/28/07	12.50	830.55	14.04	829.01	4.06	--	--	--	Soft bottom, approximately 3" of Silt on end of probe, mild manure-like odor.
09/20/07	12.58	830.47	13.90	829.15	4.20	--	--	--	Firm bottom, slight coal-tar-like odor.
10/31/07	11.31	831.74	14.39	828.66	3.71	--	--	--	Penetrated sediment 0.6', coal-tar-like odor, VOCs = 1.5 ppm. Vault lid is not closing flush to the surrounding vault frame work.
11/20/07	11.03	832.02	13.97	829.08	4.13	--	--	--	Manure-like odor, sediment on probe, slight coal-tar-like odor.
12/18/07	10.76	832.29	14.15	828.90	3.95	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	10.82	832.23	13.87	829.18	4.23	--	--	--	Soft bottom.
02/21/08	9.76	833.29	14.21	828.84	3.89	--	--	--	Soft bottom, coal-tar-like odor.
03/18/08	9.49	833.56	14.61	828.44	3.49	--	--	--	Soft bottom, coal-tar-like odor, trace brown/black oily coal-tar-like material on sediment on probe, sheen on sediment on probe.
05/12/08	11.50	831.55	14.84	828.21	3.26	--	--	--	Soft bottom, coal-tar-like odor.
06/05/08	12.10	830.95	18.03	825.02	0.07	--	--	--	Well redeveloped on June 5th 2008.
07/08/08	12.51	830.54	18.07	824.98	0.03	--	--	--	Firm bottom.
08/06/08	12.07	830.98	18.02	825.03	0.08	--	--	--	Firm bottom, coal-tar-like odor.
11/19/08	11.69	831.36	18.04	825.01	0.06	--	--	--	Firm bottom.
02/06/09	11.79	831.26	18.09	824.96	0.01	--	--	--	
05/29/09	10.93	832.12	18.05	825.00	0.05	--	--	--	Hard bottom, vault has rotated. NYSEG storing high tension power line poles around vault and may have disturbed the vault when bringing in the poles.
08/11/09	10.65	832.40	18.00	825.05	0.10	--	--	--	Firm bottom.
11/09/09	11.21	831.84	18.00	825.05	0.10	--	--	--	Hard bottom.
02/23/10	11.78	831.27	18.05	825.00	0.05	--	--	--	Firm bottom, 0.0 ppm.
05/28/10	11.85	831.20	18.00	825.05	0.10	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	11.73	831.32	18.05	825.00	0.05	--	--	--	0.0 ppm.
11/23/10	11.04	832.01	18.00	825.05	0.10	--	--	--	Firm bottom.
02/28/11	10.95	832.10	17.70	825.35	0.40	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	10.16	832.89	17.92	825.13	0.18	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	12.01	831.04	17.93	825.12	0.17	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	11.53	831.52	17.92	825.13	0.18	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	11.85	831.20	17.89	825.16	0.21	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	11.64	831.41	18.00	825.05	0.10	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	11.92	831.13	17.90	825.15	0.20	--	--	--	Firm bottom.
05/16/14	11.02	832.03	17.89	825.16	0.21	--	--	--	MGP odor; firm bottom.
12/01/14	11.72	831.33	17.95	825.10	0.15	--	--	--	Firm bottom.
12/17/15	11.97	831.08	17.72	825.33	0.38	--	--	--	Firm bottom.
12/27/16	11.24	831.81	17.98	825.07	0.12	--	--	--	Firm bottom.
12/21/17	12.12	830.93	18.00	825.05	0.10	--	--	--	Soft bottom, trace sediment on bottom of probe.
11/23/20	12.12	830.93	17.93	825.12	0.17	--	--	--	
11/2/2021 ⁵	9.99	833.50	17.54	825.95	0.56	--	--	--	0.2 feet of sediment

Top of Casing (FAMSL) = 843.49
 Well bottom elev. (installed; FAMSL) = 825.39
 Installed Well Depth (ft) = 18.10

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well redeveloped on June 5th 2008.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 843.05 (FAMSL).
6. Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-9									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	9.59	833.93	52.93	790.59	0.02	--	--	--	Firm bottom.
04/25/07	9.20	834.32	53.10	790.42	-0.15	--	--	--	
05/30/07	11.44	832.08	53.25	790.27	-0.30	--	--	--	Trace Silt on probe.
06/27/07	12.32	831.20	53.05	790.47	-0.10	--	--	--	Mild coal-tar-like odor.
07/24/07	12.00	831.52	52.92	790.60	0.03	--	--	--	Able to penetrate sediment in well 0.1'.
08/28/07	12.51	831.01	53.05	790.47	-0.10	--	--	--	Trace black material on end of probe, mild manure-like odor.
09/20/07	12.59	830.93	52.91	790.61	0.04	--	--	--	Bubbles on surface of water, able to penetrate sediment in well 0.1'; other wise firm bottom.
10/31/07	11.33	832.19	52.90	790.62	0.05	--	--	--	Soft bottom, mild coal-tar-like odor, thin film on water surface, VOCs = 7.4 ppm. Vault lid is not closing flush to surrounding vault frame work.
11/20/07	11.03	832.49	53.31	790.21	-0.36	--	--	--	Manure-like odor.
12/18/07	10.77	832.75	53.30	790.22	-0.35	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	10.81	832.71	52.85	790.67	0.10	--	--	--	Soft bottom.
02/21/08	9.75	833.77	52.93	790.59	0.02	--	--	--	Soft bottom, coal-tar-like odor.
03/18/08	9.48	834.04	52.97	790.55	-0.02	--	--	--	Soft bottom.
05/12/08	11.49	832.03	53.01	790.51	-0.06	--	--	--	Soft bottom.
06/05/08	12.10	831.42	52.92	790.60	0.03	--	--	--	
07/08/08	12.50	831.02	52.92	790.60	0.03	--	--	--	Soft bottom, mild coal-tar-like odor.
08/06/08	12.07	831.45	52.92	790.60	0.03	--	--	--	Soft bottom, mild coal-tar-like odor.
11/19/08	11.73	831.79	52.96	790.56	-0.01	--	--	--	Firm bottom.
02/06/09	11.91	831.61	52.91	790.61	0.04	--	--	--	Firm bottom.
05/29/09	10.97	832.55	52.92	790.60	0.03	--	--	--	Firm bottom, vault has rotated. NYSEG storing high tension power line poles around vault and may have disturbed the vault when bringing in the poles.
08/11/09	10.66	832.86	52.92	790.60	0.03	--	--	--	Soft bottom.
11/09/09	11.21	832.31	52.94	790.58	0.01	--	--	--	Firm bottom.
02/23/10	11.81	831.71	52.91	790.61	0.04	--	--	--	Firm bottom, 0.0 ppm.
05/28/10	11.87	831.65	52.90	790.62	0.05	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	11.73	831.79	52.95	790.57	0.00	--	--	--	Cow manure-like odor, 0.0 ppm.
11/23/10	11.01	832.51	53.03	790.49	-0.08	--	--	--	Soft bottom.
02/28/11	10.59	832.93	52.94	790.58	0.01	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	10.19	833.33	52.94	790.58	0.01	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	12.01	831.51	52.92	790.60	0.03	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	11.53	831.99	52.92	790.60	0.03	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	11.73	831.79	52.90	790.62	0.05	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	11.69	831.83	52.95	790.57	0.00	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	11.99	831.53	52.45	791.07	0.50	--	--	--	Soft bottom.
05/16/14	11.08	832.44	52.29	791.23	0.66	--	--	--	Soft bottom.
12/01/14	11.74	831.78	52.30	791.22	0.65	--	--	--	Soft bottom.
12/17/15	11.98	831.54	52.22	791.30	0.73	--	--	--	Soft bottom.
12/27/16	11.28	832.24	52.88	790.64	0.07	--	--	--	Firm bottom.
12/21/17	12.14	831.38	52.90	790.62	0.05	--	--	--	Soft bottom, sediment on bottom of probe.
11/23/20	12.18	831.34	52.91	790.61	0.04	--	--	--	
11/2/2021 ⁵	10.09	833.44	52.94	790.59	0.01	--	--	--	

Top of Casing (FAMSL) = 843.53
 Well bottom elev. (installed; FAMSL) = 790.58
 Installed Well Depth (ft) = 52.95

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 843.52 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-10									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	9.99	833.92	16.44	827.47	0.16	--	--	--	Soft bottom.
04/25/07	9.60	834.31	16.20	827.71	0.40	--	--	--	Soft bottom, trace sheen on probe.
05/30/07	11.89	832.02	16.31	827.60	0.29	--	--	--	
06/27/07	12.40	831.51	16.05	827.86	0.55	--	--	--	Mild coal-tar-like odor, Silt on the last 2" of probe, trace sheen on probe.
07/24/07	12.41	831.50	16.78	827.13	-0.18	--	--	--	Able to penetrate sediment in well 0.6', black material on probe, trace coal-tar-like blebs on probe.
08/28/07	12.90	831.01	16.07	827.84	0.53	--	--	--	Soft bottom, approximately 3" Silt on end of probe, mild manure-like odor.
09/20/07	12.99	830.92	16.26	827.65	0.34	--	--	--	Brown material on probe (from water surface), bubbles on water surface, able to penetrate sediment in well 0.2', coal-tar-like odor and coal-tar-like material on probe.
10/31/07	11.73	832.18	16.31	827.60	0.29	--	--	--	Able to penetrate sediment in well 0.3', VOCs = 2.2 ppm.
11/20/07	11.46	832.45	16.16	827.75	0.44	--	--	--	Sediment on probe, strong coal-tar-like odor.
12/18/07	11.16	832.75	16.22	827.69	0.38	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	11.24	832.67	16.00	827.91	0.60	--	--	--	Soft bottom, coal-tar-like odor.
02/21/08	10.18	833.73	16.34	827.57	0.26	--	--	--	Soft bottom, coal-tar-like odor.
03/18/08	9.89	834.02	16.26	827.65	0.34	--	--	--	Soft bottom, coal-tar-like odor, sheen on sediment on probe.
05/12/08	11.39	832.52	16.37	827.54	0.23	--	--	--	Sediment on probe, coal-tar-like odor.
06/05/08	12.51	831.40	16.79	827.12	-0.19	--	--	--	Soft, approximately 0.6' of gray sediment, trace sheen.
07/08/08	12.42	831.49	16.25	827.66	0.35	--	--	--	Soft bottom, coal-tar-like odor, sediment on probe.
08/06/08	12.48	831.43	16.34	827.57	0.26	--	--	--	Coal-tar-like odor.
11/19/08	12.09	831.82	16.80	827.11	-0.20	--	--	--	Firm bottom.
02/06/09	12.15	831.76	16.59	827.32	0.01	--	--	--	
05/29/09	11.16	832.75	16.43	827.48	0.17	--	--	--	Firm bottom, soil around vault has settled.
08/11/09	11.09	832.82	16.49	827.42	0.11	--	--	--	Soft bottom, 4" of sediment on probe.
11/09/09	11.62	832.29	16.39	827.52	0.21	--	--	--	Soft bottom, 2" of sediment on probe.
02/23/10	12.21	831.70	16.28	827.63	0.32	--	--	--	Very soft bottom, 1" of sediment on probe, measured top of sediment at 15.81' (TIC), approximately 0.79' of sediment in well, 0.2 ppm.
05/28/10	12.28	831.63	16.07	827.84	0.53	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	12.12	831.79	16.00	827.91	0.60	--	--	--	Sediment on probe, coal tar-like odor, 0.0 ppm.
11/23/10	11.39	832.52	16.08	827.83	0.52	--	--	--	Soft bottom.
02/28/11	11.35	832.56	16.12	827.79	0.48	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	10.56	833.35	16.20	827.71	0.40	--	--	--	Soft bottom, 0.0 ppm.
08/26/11	12.41	831.50	16.24	827.67	0.36	--	--	--	Soft bottom, 0.0 ppm.
02/15/12	11.72	832.19	16.06	827.85	0.54	--	--	--	Soft bottom, 0.0 ppm; trace sheen on probe.
06/15/12	11.91	832.00	16.33	827.58	0.27	--	--	--	Soft bottom, 0.0 ppm.
11/19/12	11.76	832.15	16.34	827.57	0.26	--	--	--	Soft bottom, 0.0 ppm.
11/26/13	11.55	832.36	15.94	827.97	0.66	--	--	--	Soft bottom.
05/16/14	10.72	833.19	15.99	827.92	0.61	--	--	--	Soft bottom.
12/01/14	11.31	832.60	15.87	828.04	0.73	--	--	--	Soft bottom.
12/17/15	11.54	832.37	15.91	828.00	0.69	--	--	--	Soft bottom.
12/27/16	10.80	833.11	16.20	827.71	0.40	--	--	--	Soft bottom.
12/21/17	11.69	832.22	16.26	827.65	0.34	--	--	--	Firm bottom.
11/23/20	11.71	832.20	16.27	827.64	0.33	--	--	--	0.2' sediment
11/2/2021 ⁵	9.55	833.53	16.23	826.85	0.37	--	--	--	0.2 feet of sediment

Top of Casing (FAMSL) = 843.08
 Well bottom elev. (installed; FAMSL) = 826.48
 Installed Well Depth (ft) = 16.60

Notes:

- Elevations referenced to the NAVD 88 Datum.
- Surface elevation = the elevation of the vault lid or curb box lid.
- Used weighted measuring tape for depth to bottom starting on 7/24/07.
- Well bottom elevations are approximate.
- Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 843.91 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-11									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	9.97	833.87	49.51	794.33	0.19	--	--	--	Soft bottom.
04/25/07	9.60	834.24	49.50	794.34	0.20	--	--	--	Soft bottom, mothball-like odor.
05/30/07	11.87	831.97	49.80	794.04	-0.10	--	--	--	Trace Silt on probe.
06/27/07	12.40	831.44	49.52	794.32	0.18	--	--	--	Mild coal-tar-like odor, trace Silt on probe, black material on probe and tape.
07/24/07	12.39	831.45	49.49	794.35	0.21	--	--	--	Able to penetrate sediment in well 0.3', black material on probe.
08/28/07	12.90	830.94	49.50	794.34	0.20	--	--	--	Soft bottom, manure-like odor.
09/20/07	12.97	830.87	49.39	794.45	0.31	--	--	--	Brown material on probe (from water surface), bubbles on water surface, firm bottom.
10/31/07	11.71	832.13	49.36	794.48	0.34	--	--	--	Firm bottom, mild coal-tar-like odor, VOCs = 4.5 ppm.
11/20/07	11.41	832.43	49.39	794.45	0.31	--	--	--	Coal-tar-like odor.
12/18/07	11.13	832.71	49.75	794.09	-0.05	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	11.21	832.63	49.37	794.47	0.33	--	--	--	Soft bottom, coal-tar-like odor.
02/21/08	10.17	833.67	49.40	794.44	0.30	--	--	--	Soft bottom, coal-tar-like odor.
03/18/08	9.86	833.98	49.37	794.47	0.33	--	--	--	Soft bottom, coal-tar-like odor.
05/12/08	11.39	832.45	49.38	794.46	0.32	--	--	--	Soft bottom, coal-tar-like odor.
06/05/08	12.50	831.34	49.36	794.48	0.34	--	--	--	
07/08/08	12.58	831.26	49.38	794.46	0.32	--	--	--	Firm bottom, mild coal-tar-like odor.
08/06/08	12.47	831.37	49.45	794.39	0.25	--	--	--	Firm bottom, mild coal-tar-like odor.
11/19/08	12.05	831.79	49.40	794.44	0.30	--	--	--	Firm bottom.
02/06/09	12.14	831.70	49.25	794.59	0.45	--	--	--	
05/29/09	11.36	832.48	49.39	794.45	0.31	--	--	--	Firm bottom, soil around vault has settled.
08/11/09	11.07	832.77	49.30	794.54	0.40	--	--	--	Firm bottom.
11/09/09	11.62	832.22	49.41	794.43	0.29	--	--	--	Firm bottom.
02/23/10	12.21	831.63	49.36	794.48	0.34	--	--	--	Firm bottom, 0.1 ppm.
05/28/10	12.23	831.61	49.55	794.29	0.15	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	12.05	831.79	49.40	794.44	0.30	--	--	--	0.0 ppm.
11/23/10	11.41	832.43	49.37	794.47	0.33	--	--	--	0.0 ppm.
02/28/11	11.37	832.47	49.41	794.43	0.29	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	10.55	833.29	49.32	794.52	0.38	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	12.41	831.43	49.32	794.52	0.38	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	11.92	831.92	43.64	800.20	6.06	--	--	--	Soft bottom, 0.0 ppm.
06/15/12	12.11	831.73	43.60	800.24	6.10	--	--	--	Soft bottom, 0.0 ppm.
11/19/12	12.09	831.75	39.48	804.36	10.22	--	--	--	Soft bottom, 0.0 ppm.
11/26/13	12.38	831.46	39.44	804.40	10.26	--	--	--	Soft bottom.
05/16/14	11.45	832.39	39.52	804.32	10.18	--	--	--	Soft bottom.
12/01/14	12.15	831.69	39.33	804.51	10.37	--	--	--	Soft bottom.
12/17/15	12.37	831.47	39.30	804.54	10.40	--	--	--	Soft bottom.
12/27/16	11.65	832.19	39.33	804.51	10.37	--	--	--	Soft bottom.
12/21/17	12.53	831.31	39.41	804.43	10.29	--	--	--	Firm bottom, 0.3' of sediment on bottom of probe.
11/23/20	12.58	831.26	39.45	804.39	10.25	--	--	--	Hard bottom.
11/2/2021 ⁵	10.39	833.53	39.60	804.32	10.10	--	--	--	

Top of Casing (FAMSL) = 843.92
 Well bottom elev. (installed; FAMSL) = 794.22
 Installed Well Depth (ft) = 49.70

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well RW-11 was redeveloped on July 26, 2012 and May 29, 2013.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 843.84 (FAMSL).
6. Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
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 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-12									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	11.09	833.56	47.92	796.73	0.04	--	--	--	Soft bottom.
04/25/07	10.53	834.12	47.95	796.70	0.01	--	--	--	Vault damaged, sides are pushed in, J-plugs cannot be installed because the vault has settled, cannot close properly with j-plugs in place. possibly caused by heavy equipment compacting sediment around vault (long plastic pipes are stacked next to vault).
05/30/07	12.68	831.97	48.00	796.65	-0.04	--	--	--	
06/27/07	13.42	831.23	48.05	796.60	-0.09	--	--	--	Mild coal-tar-like odor, trace Silt on probe.
07/24/07	13.28	831.37	47.88	796.77	0.08	--	--	--	Able to penetrate sediment in well 0.1', sediment at water surface, no apparent odor.
08/28/07	13.68	830.97	48.00	796.65	-0.04	--	--	--	Soft bottom. Vault lid difficult to close, appears that vault has had more damage done since the last time fluid levels were measured.
09/20/07	13.77	830.88	47.90	796.75	0.06	--	--	--	Soft bottom, slight coal-tar-like odor, drain material has settled approximately 2.0'.
10/31/07	12.69	831.96	47.87	796.78	0.09	--	--	--	Firm bottom, mild coal-tar-like odor, VOCs = 1.8 ppm.
11/20/07	12.47	832.18	48.00	796.65	-0.04	--	--	--	Mild coal-tar-like odor.
12/18/07	12.02	832.63	47.92	796.73	0.04	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	12.01	832.64	47.83	796.82	0.13	--	--	--	Soft bottom.
02/21/08	11.08	833.57	47.93	796.72	0.03	--	--	--	Soft bottom, coal-tar-like odor.
03/18/08	10.62	834.03	47.90	796.75	0.06	--	--	--	Soft bottom.
05/12/08	12.60	832.05	47.90	796.75	0.06	--	--	--	Soft bottom.
06/05/08	13.29	831.36	47.90	796.75	0.06	--	--	--	
07/08/08	13.69	830.96	47.95	796.70	0.01	--	--	--	Soft bottom, coal-tar-like odor.
08/06/08	13.24	831.41	47.95	796.70	0.01	--	--	--	Soft bottom, coal-tar-like odor.
11/19/08	13.13	831.52	47.93	796.72	0.03	--	--	--	
02/06/09	13.06	831.59	47.88	796.77	0.08	--	--	--	
05/29/09	12.72	831.93	47.90	796.75	0.06	--	--	--	Soil around the outside and on the inside of the vault has settled.
08/11/09	12.32	832.33	47.92	796.73	0.04	--	--	--	Soft bottom.
11/09/09	12.51	832.14	47.92	796.73	0.04	--	--	--	Soft bottom.
02/23/10	13.03	831.62	47.90	796.75	0.06	--	--	--	Soft bottom, coal-tar-like odor, 0.2 ppm.
05/28/10	13.01	831.64	47.89	796.76	0.07	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	12.97	831.68	47.95	796.70	0.01	--	--	--	0.0 ppm.
11/23/10	12.32	832.33	47.93	796.72	0.03	--	--	--	Soft bottom.
02/28/11	12.42	832.23	47.88	796.77	0.08	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	11.11	833.54	47.90	796.75	0.06	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	13.13	831.52	47.90	796.75	0.06	--	--	--	Soft bottom, 0.0 ppm.
02/15/12	12.76	831.89	47.85	796.80	0.11	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	13.07	831.58	47.85	796.80	0.11	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	12.95	831.70	47.88	796.77	0.08	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	13.25	831.40	47.80	796.85	0.16	--	--	--	Soft bottom.
05/16/14	12.35	832.30	47.90	796.75	0.06	--	--	--	Firm bottom.
12/01/14	13.17	831.48	47.78	796.87	0.18	--	--	--	Firm bottom.
12/17/15	13.38	831.27	47.64	797.01	0.32	--	--	--	Firm bottom.
12/27/16	12.70	831.95	47.86	796.79	0.10	--	--	--	Firm bottom.
12/21/17	13.46	831.19	47.88	796.77	0.08	--	--	--	Firm bottom.
11/23/20	13.50	831.15	47.90	796.75	0.06	--	--	--	
11/2/2021 ⁵	11.35	833.43	47.91	796.87	0.05	--	--	--	

Top of Casing (FAMSL) = 844.78
 Well bottom elev. (installed; FAMSL) = 796.82
 Installed Well Depth (ft) = 47.96

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 844.65 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
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Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-13									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	11.03	833.72	14.99	829.76	3.71	--	--	--	Soft bottom, coal-tar-like odor.
04/25/07	10.52	834.23	14.89	829.86	3.81	--	--	--	Vault damaged, sides are pushed in, J-plugs cannot be installed because the vault has settled, cannot close with j-plugs in place. possibly caused by heavy equipment compacting sediment around vault (long plastic pipes are stacked next to vault).
05/30/07	12.70	832.05	14.95	829.80	3.75	--	--	--	
06/27/07	13.35	831.40	13.50	831.25	5.20	--	--	--	Firm bottom, mild coal-tar-like odor, Silt on the last 2" of probe.
07/24/07	13.11	831.64	13.48	831.27	5.22	--	--	--	Penetrated sediment 0.5', organic-like odor, brown sediment at water surface.
08/28/07	13.30	831.45	13.30	831.45	5.40	--	--	--	Meter sounded at the bottom of well (saturated sediment at bottom), approximately 1.5" of Silt on probe. Vault lid was difficult to close, vault has had more damage since the last time fluid levels were measured.
09/20/07	13.25	831.50	13.25	831.50	5.45	--	--	--	Meter sounded at sediment at bottom of well (saturated sediment in well), no measurable water in well, sediment on the probe, drain material has settled approx. 2'.
10/31/07	12.68	832.07	13.19	831.56	5.51	--	--	--	Firm bottom, mild coal-tar-like odor, VOCs = 1.3 ppm.
11/20/07	12.22	832.53	13.22	831.53	5.48	--	--	--	Firm bottom.
12/18/07	12.02	832.73	13.18	831.57	5.52	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	12.03	832.72	13.14	831.61	5.56	--	--	--	
02/21/08	11.06	833.69	13.43	831.32	5.27	--	--	--	Firm bottom.
03/18/08	10.61	834.14	13.38	831.37	5.32	--	--	--	Firm bottom.
05/12/08	12.59	832.16	12.55	832.20	6.15	--	--	--	Soft bottom.
06/05/08	13.32	831.43	18.60	826.15	0.10	--	--	--	Hard bottom, well redeveloped on June 5th 2008.
07/08/08	13.71	831.04	18.55	826.20	0.15	--	--	--	Firm bottom, coal-tar-like odor.
08/06/08	13.25	831.50	18.55	826.20	0.15	--	--	--	Firm bottom, coal-tar-like odor.
11/19/08	13.12	831.63	18.55	826.20	0.15	--	--	--	
02/06/09	13.09	831.66	18.63	826.12	0.07	--	--	--	Brown NAPL-like material on tip of probe, coal-tar-like odor.
05/29/09	12.45	832.30	18.67	826.08	0.03	--	--	--	Soil around the outside and on the inside of the vault has settled.
08/11/09	12.33	832.42	17.79	826.96	0.91	--	--	--	Firm bottom, slight odor.
11/09/09	12.51	832.24	17.78	826.97	0.92	--	--	--	Firm bottom.
02/23/10	13.04	831.71	17.70	827.05	1.00	--	--	--	Soft bottom, 0.1 ppm.
05/28/10	13.01	831.74	17.62	827.13	1.08	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	12.92	831.83	17.50	827.25	1.20	--	--	--	0.0 ppm.
11/23/10	12.32	832.43	17.75	827.00	0.95	--	--	--	Firm bottom.
02/28/11	12.02	832.73	17.62	827.13	1.08	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	11.08	833.67	17.37	827.38	1.33	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	13.07	831.68	17.36	827.39	1.34	--	--	--	Soft bottom, 0.0 ppm.
02/15/12	12.76	831.99	15.83	828.92	2.87	--	--	--	Soft bottom, coal tar-like odor, 0.0 ppm.
06/15/12	12.99	831.76	17.60	827.15	1.10	--	--	--	Soft bottom, 0.0 ppm.
11/19/12	12.97	831.78	18.55	826.20	0.15	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	13.25	831.50	18.50	826.25	0.20	--	--	--	Soft bottom.
05/16/14	12.37	832.38	18.52	826.23	0.18	--	--	--	Firm bottom.
12/01/14	13.14	831.61	18.47	826.28	0.23	--	--	--	Firm bottom.
12/17/15	13.38	831.37	18.42	826.33	0.28	--	--	--	Firm bottom.
12/27/16	12.65	832.10	18.47	826.28	0.23	--	--	--	Firm bottom.
12/21/17	13.46	831.29	18.52	826.23	0.18	--	--	--	Firm bottom.
11/23/20	13.48	831.27	18.49	826.26	0.21	--	--	--	Hard bottom.
11/2/2021 ⁵	11.38	833.40	18.51	826.27	0.19	--	--	--	

Top of Casing (FAMSL) = 844.78
 Well bottom elev. (installed; FAMSL) = 826.08
 Installed Well Depth (ft) = 18.70

Notes:

- Elevations referenced to the NAVD 88 Datum.
- Surface elevation = the elevation of the vault lid or curb box lid.
- Used weighted measuring tape for depth to bottom starting on 7/24/07.
- Well RW-13 was redeveloped on June 5, 2008 and July 27, 2012.
- Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 844.75 (FAMSL).
- Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-14									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	12.07	833.20	17.09	828.18	0.51	--	--	--	Soft bottom.
04/25/07	11.57	833.70	17.20	828.07	0.40	--	--	--	
05/30/07	14.74	830.53	17.07	828.20	0.53	--	--	--	
06/27/07	14.45	830.82	17.16	828.11	0.44	--	--	--	Mild, coal-tar-like odor, Silt on the last 2" of probe.
07/24/07	14.33	830.94	17.69	827.58	-0.09	--	--	--	Able to penetrate sediment in well 0.7', trace sheen and black material on end of probe, faint coal-tar-like odor.
08/28/07	14.72	830.55	17.12	828.15	0.48	--	--	--	Silt on end of probe, mild manure-like odor.
09/20/07	14.83	830.44	17.00	828.27	0.60	--	--	--	Firm bottom.
10/31/07	13.75	831.52	17.04	828.23	0.56	--	--	--	Firm bottom, mild coal-tar-like odor, VOCs = 0.5 ppm.
11/20/07	13.45	831.82	17.05	828.22	0.55	--	--	--	Coal-tar-like odor.
12/18/07	13.05	832.22	17.30	827.97	0.30	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	13.06	832.21	16.93	828.34	0.67	--	--	--	
02/21/08	12.11	833.16	17.15	828.12	0.45	--	--	--	Firm bottom.
03/18/08	11.64	833.63	17.15	828.12	0.45	--	--	--	Firm bottom.
05/12/08	12.63	832.64	17.05	828.22	0.55	--	--	--	Soft bottom.
06/05/08	14.33	830.94	17.14	828.13	0.46	--	--	--	Hard bottom.
07/08/08	14.72	830.55	17.17	828.10	0.43	--	--	--	Firm bottom, coal-tar-like-odor.
08/06/08	14.28	830.99	17.12	828.15	0.48	--	--	--	Firm bottom, coal-tar-like-odor.
11/19/08	14.12	831.15	17.10	828.17	0.50	--	--	--	
02/06/09	14.08	831.19	17.05	828.22	0.55	--	--	--	Firm bottom.
05/29/09	13.76	831.51	17.12	828.15	0.48	--	--	--	Firm bottom.
08/11/09	13.42	831.85	17.11	828.16	0.49	--	--	--	Firm bottom.
11/09/09	13.53	831.74	17.11	828.16	0.49	--	--	--	Firm bottom.
02/23/10	14.04	831.23	17.05	828.22	0.55	--	--	--	Firm bottom, 0.1 ppm.
05/28/10	13.99	831.28	17.00	828.27	0.60	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	13.86	831.41	17.08	828.19	0.52	--	--	--	0.0 ppm.
11/23/10	13.29	831.98	17.07	828.20	0.53	--	--	--	Firm bottom.
02/28/11	13.32	831.95	17.00	828.27	0.60	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	12.07	833.20	17.02	828.25	0.58	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	14.13	831.14	17.06	828.21	0.54	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	13.81	831.46	17.09	828.18	0.51	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	14.29	830.98	17.10	828.17	0.50	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	13.99	831.28	17.02	828.25	0.58	--	--	--	Soft bottom, 0.0 ppm.
11/26/13	14.30	830.97	17.05	828.22	0.55	--	--	--	Soft bottom.
05/16/14	13.41	831.86	16.98	828.29	0.62	--	--	--	Soft bottom.
12/01/14	14.18	831.09	17.04	828.23	0.56	--	--	--	Soft bottom.
12/17/15	14.39	830.88	17.00	828.27	0.60	--	--	--	Soft bottom.
12/27/16	13.70	831.57	17.17	828.10	0.43	--	--	--	Soft bottom.
12/21/17	14.50	830.77	17.07	828.20	0.53	--	--	--	Firm bottom.
11/23/20	14.55	830.72	17.07	828.20	0.53	--	--	--	
11/2/2021 ⁵	12.39	833.41	17.13	828.67	0.47	--	--	--	

Top of Casing (FAMSL) = 845.80
 Well bottom elev. (installed; FAMSL) = 828.20
 Installed Well Depth (ft) = 17.60

- Notes:**
1. Elevations referenced to the NAVD 88 Datum.
 2. Surface elevation = the elevation of the vault lid or curb box lid.
 3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
 4. Well bottom elevations are approximate.
 5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 845.27 (FAMSL).

Acronyms and Abbreviations:
 FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-15									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	12.07	833.16	48.98	796.25	0.22	--	--	--	Soft bottom, coal-tar-like odor.
04/25/07	11.54	833.69	48.95	796.28	0.25	--	--	--	
05/30/07	13.66	831.57	49.30	795.93	-0.10	--	--	--	
06/27/07	14.43	830.80	49.00	796.23	0.20	--	--	--	Trace Silt on probe, mild coal-tar-like odor.
07/24/07	14.28	830.95	48.95	796.28	0.25	--	--	--	Able to penetrate sediment in well 0.2', trace coal-tar-like blebs and black material on end of probe, organic-like odor.
08/28/07	14.68	830.55	48.97	796.26	0.23	--	--	--	Orange material on probe.
09/20/07	14.78	830.45	48.95	796.28	0.25	--	--	--	Soft bottom, coal-tar-like odor.
10/31/07	13.70	831.53	48.91	796.32	0.29	--	--	--	Firm bottom, mild coal-tar-like odor, VOCs = 0.9 ppm.
11/20/07	13.42	831.81	49.05	796.18	0.15	--	--	--	Coal-tar-like odor.
12/18/07	13.02	832.21	51.72	793.51	-2.52	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	12.99	832.24	48.89	796.34	0.31	--	--	--	Soft bottom.
02/21/08	12.08	833.15	48.90	796.33	0.30	--	--	--	Firm bottom.
03/18/08	11.60	833.63	48.90	796.33	0.30	--	--	--	Firm bottom.
05/12/08	12.57	832.66	48.95	796.28	0.25	--	--	--	Firm bottom.
06/05/08	14.28	830.95	48.90	796.33	0.30	--	--	--	Hard bottom.
07/08/08	14.69	830.54	48.93	796.30	0.27	--	--	--	Coal-tar-like odor.
08/06/08	14.21	831.02	49.29	795.94	-0.09	--	--	--	Coal-tar-like odor.
11/19/08	14.10	831.13	48.97	796.26	0.23	--	--	--	
02/06/09	14.04	831.19	49.02	796.21	0.18	--	--	--	Firm bottom.
05/29/09	13.42	831.81	48.92	796.31	0.28	--	--	--	Hard bottom.
08/11/09	13.32	831.91	48.90	796.33	0.30	--	--	--	Firm bottom.
11/09/09	13.52	831.71	48.90	796.33	0.30	--	--	--	Firm bottom.
02/23/10	14.02	831.21	48.95	796.28	0.25	--	--	--	Firm bottom, 0.2 ppm.
05/28/10	13.99	831.24	48.95	796.28	0.25	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	13.89	831.34	48.95	796.28	0.25	--	--	--	0.0 ppm.
11/23/10	13.29	831.94	49.04	796.19	0.16	--	--	--	Firm bottom.
02/28/11	13.39	831.84	48.95	796.28	0.25	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	12.08	833.15	48.90	796.33	0.30	--	--	--	Soft bottom, 0.0 ppm.
08/26/11	14.12	831.11	48.80	796.43	0.40	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	13.75	831.48	47.85	797.38	1.35	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	13.72	831.51	47.86	797.37	1.34	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	13.96	831.27	48.87	796.36	0.33	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	14.30	830.93	48.85	796.38	0.35	--	--	--	Soft bottom.
05/16/14	13.35	831.88	49.02	796.21	0.18	--	--	--	Firm bottom.
12/01/14	14.15	831.08	48.98	796.25	0.22	--	--	--	Firm bottom.
12/17/15	14.35	830.88	48.82	796.41	0.38	--	--	--	Firm bottom.
12/27/16	13.63	831.60	48.82	796.41	0.38	--	--	--	Firm bottom.
12/21/17	14.46	830.77	48.86	796.37	0.34	--	--	--	Firm bottom.
11/23/20	14.45	830.78	48.82	796.41	0.38	--	--	--	
11/2/2021 ⁵	12.37	833.40	48.85	796.92	0.35	--	--	--	

Top of Casing (FAMSL) = 845.77
 Well bottom elev. (installed; FAMSL) = 796.57
 Installed Well Depth (ft) = 49.20

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 845.23 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
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 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-16									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	14.81	833.60	49.73	798.68	0.18	--	--	--	Soft bottom, coal-tar-like odor.
04/25/07	14.21	834.20	49.75	798.66	0.16	--	--	--	Bubbles at surface of water, black material on probe.
05/30/07	16.30	832.11	49.85	798.56	0.06	--	--	--	Trace Silt on probe.
06/27/07	17.05	831.36	49.80	798.61	0.11	--	--	--	Mild coal-tar-like odor, black material on probe.
07/24/07	16.95	831.46	49.78	798.63	0.13	--	--	--	Able to penetrate sediment in well 0.1', strong coal-tar-like odor, trace coal-tar-like blebs on probe.
08/28/07	17.32	831.09	49.75	798.66	0.16	--	--	--	Firm bottom.
09/20/07	17.42	830.99	49.62	798.79	0.29	--	--	--	Soft bottom, brown material on probe (from water surface), slight coal-tar-like odor, coal-tar-like material on probe.
10/31/07	16.37	832.04	49.64	798.77	0.27	--	--	--	Firm bottom, brown slime on probe (from water surface), VOCs = 0.8 ppm.
11/20/07	16.09	832.32	49.80	798.61	0.11	--	--	--	Manure-like odor.
12/18/07	15.66	832.75	49.92	798.49	-0.01	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	15.61	832.80	49.78	798.63	0.13	--	--	--	Soft bottom.
02/21/08	14.73	833.68	49.75	798.66	0.16	--	--	--	Soft bottom, manure-like odor.
03/18/08	14.21	834.20	49.75	798.66	0.16	--	--	--	Firm bottom, coal-tar-like odor, trace brown/black sticky coal-tar-like material on probe, bubbles on the water surface, brown slimy material on probe from water surface.
05/12/08	16.17	832.24	49.77	798.64	0.14	--	--	--	Firm bottom.
06/05/08	16.85	831.56	49.70	798.71	0.21	--	--	--	Sheen, foam.
07/08/08	17.26	831.15	49.72	798.69	0.19	--	--	--	Firm bottom.
08/06/08	16.83	831.58	49.75	798.66	0.16	--	--	--	Coal-tar-like odor.
11/19/08	16.73	831.68	49.70	798.71	0.21	--	--	--	
02/06/09	16.61	831.80	49.65	798.76	0.26	--	--	--	
05/29/09	16.13	NR	49.69	NR	NR	--	--	--	Firm bottom, brown foam on the surface of the water.
08/11/09	16.09	832.32	49.69	798.72	0.22	--	--	--	Firm bottom.
11/09/09	16.09	832.32	49.65	798.76	0.26	--	--	--	Firm bottom.
02/23/10	16.62	831.79	49.70	798.71	0.21	--	--	--	0.0 ppm.
05/28/10	16.59	831.82	49.69	798.72	0.22	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	16.52	831.89	49.65	798.76	0.26	--	--	--	Mild coal tar-like odor, 0.0 ppm.
11/23/10	15.92	832.49	49.61	798.80	0.30	--	--	--	Firm bottom.
02/28/11	16.04	832.37	49.35	799.06	0.56	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	14.61	833.80	49.61	798.80	0.30	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	16.72	831.69	49.64	798.77	0.27	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	16.36	832.05	49.62	798.79	0.29	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	16.54	831.87	49.62	798.79	0.29	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	16.58	831.83	49.65	798.76	0.26	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	16.90	831.51	49.69	798.72	0.22	--	--	--	Soft bottom.
05/16/14	15.98	832.43	49.68	798.73	0.23	--	--	--	Firm bottom.
12/01/14	16.83	831.58	49.60	798.81	0.31	--	--	--	Firm bottom.
12/17/15	17.03	831.38	49.60	798.81	0.31	--	--	--	Firm bottom.
12/27/16	16.38	832.03	49.58	798.83	0.33	--	--	--	Firm bottom.
12/21/17	17.08	831.33	49.63	798.78	0.28	--	--	--	Firm bottom.
11/23/20	17.13	831.28	49.59	798.82	0.32	--	--	--	
11/2/2021 ⁵	15.00	833.38	49.62	798.76	0.29	--	--	--	

Top of Casing (FAMSL) = 848.38
 Well bottom elev. (installed; FAMSL) = 798.47
 Installed Well Depth (ft) = 49.91

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 848.41 (FAMSL).

Acronyms and Abbreviations:

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 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-17									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	14.80	833.54	24.34	824.00	0.16	--	--	--	Soft bottom.
04/25/07	14.17	834.17	24.35	823.99	0.15	--	--	--	Bubbles at surface of water, black material on probe.
05/30/07	16.28	832.06	24.34	824.00	0.16	--	--	--	Trace Silt on probe.
06/27/07	17.02	831.32	24.78	823.56	-0.28	--	--	--	Black material on probe.
07/24/07	16.92	831.42	24.70	823.64	-0.20	--	--	--	Able to penetrate sediment in well 0.5', black material on probe, trace coal-tar-like blebs on probe.
08/28/07	17.27	831.07	24.32	824.02	0.18	--	--	--	Firm bottom.
09/20/07	17.38	830.96	24.42	823.92	0.08	--	--	--	Firm bottom, brown material on probe (from water surface).
10/31/07	16.34	832.00	24.33	824.01	0.17	--	--	--	Firm bottom, mild coal-tar-like odor, VOCs = 0.9 ppm.
11/20/07	16.09	832.25	24.39	823.95	0.11	--	--	--	Mild coal-tar-like odor.
12/18/07	15.65	832.69	24.53	823.81	-0.03	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	15.59	832.75	24.37	823.97	0.13	--	--	--	Soft bottom.
02/21/08	14.72	833.62	24.45	823.89	0.05	--	--	--	Firm bottom.
03/18/08	14.19	834.15	24.49	823.85	0.01	--	--	--	Firm bottom, mild coal-tar-like odor, trace brown/black sticky coal-tar-like material on probe, bubbles on the water surface.
05/12/08	16.11	832.23	24.53	823.81	-0.03	--	--	--	Firm bottom.
06/05/08	16.83	831.51	24.70	823.64	-0.20	--	--	--	Slightly soft.
07/08/08	17.21	831.13	24.65	823.69	-0.15	--	--	--	Firm bottom, trace streaks of yellow coal-tar-like material on probe, coal-tar-like odor.
08/06/08	16.82	831.52	24.35	823.99	0.15	--	--	--	Coal-tar-like odor.
11/19/08	16.73	831.61	24.65	823.69	-0.15	--	--	--	
02/06/09	16.59	831.75	24.41	823.93	0.09	--	--	--	
05/29/09	16.09	832.25	24.54	823.80	-0.04	--	--	--	Hard bottom, riser leaning toward the south.
08/11/09	16.06	832.28	24.61	823.73	-0.11	--	--	--	Firm bottom, slight odor.
11/09/09	16.09	832.25	24.69	823.65	-0.19	--	--	--	Firm bottom.
02/23/10	16.60	831.74	24.65	823.69	-0.15	--	--	--	0.0 ppm.
05/28/10	16.56	831.78	24.40	823.94	0.10	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	16.50	831.84	24.50	823.84	0.00	--	--	--	0.0 ppm.
11/23/10	15.91	832.43	24.33	824.01	0.17	--	--	--	Firm bottom.
02/28/11	16.05	832.29	24.28	824.06	0.22	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	14.57	833.77	24.43	823.91	0.07	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	16.71	831.63	24.46	823.88	0.04	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	16.34	832.00	24.46	823.88	0.04	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	18.10	830.24	24.46	823.88	0.04	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	16.54	831.80	24.40	823.94	0.10	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	16.87	831.47	24.52	823.82	-0.02	--	--	--	Soft bottom.
05/16/14	15.97	832.37	24.52	823.82	-0.02	--	--	--	Firm bottom.
12/01/14	16.81	831.53	24.55	823.79	-0.05	--	--	--	Firm bottom.
12/17/15	16.99	831.35	24.35	823.99	0.15	--	--	--	Firm bottom.
12/27/16	16.31	832.03	24.43	823.91	0.07	--	--	--	Firm bottom.
12/21/17	17.45	830.89	24.45	823.89	0.05	--	--	--	Firm bottom.
11/23/20	17.50	830.84	24.95	823.39	-0.45	--	--	--	Soft bottom.
11/2/2021 ⁵	14.95	833.39	24.50	823.84	0.00	--	--	--	

Top of Casing (FAMSL) = 848.34
 Well bottom elev. (installed; FAMSL) = 823.84
 Installed Well Depth (ft) = 24.50

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Installed well depth is an average of measured depths to bottom for measurements taken from 1/18/07-7/08/08.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 848.34 (FAMSL).
6. Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-18									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	12.23	833.59	42.08	803.74	-0.10	--	--	--	Soft bottom.
04/25/07	11.62	834.20	42.05	803.77	-0.07	--	--	--	Coal-tar-like odor.
05/30/07	13.71	832.11	42.15	803.67	-0.17	--	--	--	
06/27/07	14.44	831.38	42.05	803.77	-0.07	--	--	--	Mild coal-tar-like odor, black material on probe.
07/24/07	14.36	831.46	42.00	803.82	-0.02	--	--	--	Able to penetrate sediment in well 0.1', reddish material on probe.
08/28/07	14.71	831.11	42.00	803.82	-0.02	--	--	--	Firm bottom, mild manure-like odor.
09/20/07	14.84	830.98	41.90	803.92	0.08	--	--	--	Firm bottom, brown material on probe (from water surface).
10/31/07	13.81	832.01	41.78	804.04	0.20	--	--	--	Firm bottom, coal-tar-like odor, VOCs = 0.4 ppm.
11/20/07	13.53	832.29	41.98	803.84	0.00	--	--	--	Strong coal-tar-like odor.
12/18/07	13.11	832.71	42.25	803.57	-0.27	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	NR	NR	NR	NR	NR	--	--	--	Could not open vault lid.
02/21/08	12.17	833.65	41.98	803.84	0.00	--	--	--	Soft bottom.
03/18/08	11.62	834.20	41.93	803.89	0.05	--	--	--	Soft bottom, coal-tar-like odor, trace brown/black sticky coal-tar-like material on probe, bubbles on the water surface, brown slimy material on probe from water surface.
05/12/08	13.57	832.25	41.97	803.85	0.01	--	--	--	Soft bottom, coal-tar-like odor.
06/05/08	14.27	831.55	42.04	803.78	-0.06	--	--	--	Slightly soft.
07/08/08	14.71	831.11	42.07	803.75	-0.09	--	--	--	Firm bottom, coal-tar-like odor.
08/06/08	14.24	831.58	41.95	803.87	0.03	--	--	--	Coal-tar-like odor.
11/19/08	14.19	831.63	41.97	803.85	0.01	--	--	--	
02/06/09	14.01	831.81	41.95	803.87	0.03	--	--	--	
05/29/09	13.55	832.27	42.00	803.82	-0.02	--	--	--	Firm bottom.
08/11/09	13.54	832.28	42.00	803.82	-0.02	--	--	--	Soft bottom, odor.
11/09/09	13.56	832.26	41.97	803.85	0.01	--	--	--	Firm bottom.
02/23/10	14.04	831.78	42.00	803.82	-0.02	--	--	--	0.0 ppm.
05/28/10	14.02	831.80	41.91	803.91	0.07	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	13.95	831.87	41.90	803.92	0.08	--	--	--	0.0 ppm.
11/23/10	13.36	832.46	41.91	803.91	0.07	--	--	--	Firm bottom.
02/28/11	13.53	832.29	42.00	803.82	-0.02	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	12.02	833.80	41.88	803.94	0.10	--	--	--	Soft bottom, 0.0 ppm.
08/26/11	14.11	831.71	41.89	803.93	0.09	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	13.80	832.02	41.89	803.93	0.09	--	--	--	Soft bottom, 0.0 ppm.
06/15/12	14.40	831.42	41.89	803.93	0.09	--	--	--	Soft bottom, 0.0 ppm.
11/19/12	14.00	831.82	41.92	803.90	0.06	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	14.32	831.50	42.04	803.78	-0.06	--	--	--	Soft bottom.
05/16/14	13.42	832.40	41.99	803.83	-0.01	--	--	--	Firm bottom.
12/01/14	14.28	831.54	41.97	803.85	0.01	--	--	--	Firm bottom.
12/17/15	14.47	831.35	41.81	804.01	0.17	--	--	--	Firm bottom.
12/27/16	13.78	832.04	41.80	804.02	0.18	--	--	--	Firm bottom.
12/21/17	14.50	831.32	41.81	804.01	0.17	--	--	--	Firm bottom.
11/23/20	14.50	831.32	41.81	804.01	0.17	--	--	--	Hard bottom.
11/2/2021 ⁵	12.48	833.37	41.95	803.90	0.03	--	--	--	

Top of Casing (FAMSL) = 845.85
 Well bottom elev. (installed; FAMSL) = 803.87
 Installed Well Depth (ft) = 41.98

Notes:

- Elevations referenced to the NAVD 88 Datum.
- Surface elevation = the elevation of the vault lid or curb box lid.
- Used weighted measuring tape for depth to bottom starting on 7/24/07.
- Well bottom elevations are approximate.
- Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 845.82 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-19									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	12.25	833.56	19.08	826.73	0.03	--	--	--	Soft bottom.
04/25/07	11.63	834.18	16.16	829.65	2.95	--	--	--	Mild coal-tar-like odor. Depth to bottom measurement questionable.
05/30/07	13.72	832.09	19.15	826.66	-0.04	--	--	--	Hard bottom, trace sediment on probe.
06/27/07	14.46	831.35	19.18	826.63	-0.07	--	--	--	Firm bottom, mild coal-tar-like odor, black material on probe.
07/24/07	14.37	831.44	19.17	826.64	-0.06	--	--	--	Black material on probe, organic-like odor, trace coal-tar-like blebs on probe.
08/28/07	14.72	831.09	19.22	826.59	-0.11	--	--	--	Firm bottom, manure-like odor.
09/20/07	14.85	830.96	19.17	826.64	-0.06	--	--	--	Firm bottom, brown material on probe (from water surface), coal-tar-like odor, coal-tar-like material on probe.
10/31/07	13.83	831.98	19.16	826.65	-0.05	--	--	--	Firm bottom, mild coal-tar-like odor, VOCs = 0.9 ppm.
11/20/07	13.58	832.23	19.11	826.70	0.00	--	--	--	Strong coal-tar-like odor.
12/18/07	13.13	832.68	19.30	826.51	-0.19	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	NR	NR	NR	NR	NR	--	--	--	Could not open vault lid.
02/21/08	12.20	833.61	19.17	826.64	-0.06	--	--	--	Firm bottom, coal-tar-like odor.
03/18/08	11.63	834.18	19.25	826.56	-0.14	--	--	--	Firm bottom, bubbles on the water surface.
05/12/08	13.59	832.22	19.21	826.60	-0.10	--	--	--	Firm bottom.
06/05/08	14.30	831.51	19.23	826.58	-0.12	--	--	--	Slightly soft.
07/08/08	14.72	831.09	19.22	826.59	-0.11	--	--	--	Firm bottom, coal-tar-like odor.
08/06/08	14.26	831.55	19.17	826.64	-0.06	--	--	--	Coal-tar-like odor.
11/19/08	14.21	831.60	19.10	826.71	0.01	--	--	--	
02/06/09	14.03	831.78	19.24	826.57	-0.13	--	--	--	
05/29/09	13.87	831.94	19.20	826.61	-0.09	--	--	--	Hard bottom.
08/11/09	13.56	832.25	19.19	826.62	-0.08	--	--	--	Firm bottom, odor.
11/09/09	13.57	832.24	19.15	826.66	-0.04	--	--	--	Firm bottom.
02/23/10	14.06	831.75	19.15	826.66	-0.04	--	--	--	0.0 ppm.
05/28/10	14.02	831.79	19.21	826.60	-0.10	--	--	--	Soft bottom, 0.0 ppm.
08/30/10	13.99	831.82	19.50	826.31	-0.39	--	--	--	0.0 ppm.
11/23/10	13.41	832.40	19.28	826.53	-0.17	--	--	--	Firm bottom.
02/28/11	13.57	832.24	19.20	826.61	-0.09	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	12.01	833.80	19.22	826.59	-0.11	--	--	--	Firm bottom, 0.0 ppm.
08/26/11	14.14	831.67	19.16	826.65	-0.05	--	--	--	Firm bottom, 0.0 ppm.
02/15/12	13.82	831.99	19.16	826.65	-0.05	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	13.86	831.95	19.16	826.65	-0.05	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	14.05	831.76	19.15	826.66	-0.04	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	14.35	831.46	19.22	826.59	-0.11	--	--	--	Firm bottom.
05/16/14	13.45	832.36	19.18	826.63	-0.07	--	--	--	Firm bottom.
12/01/14	14.03	831.78	19.21	826.60	-0.10	--	--	--	Firm bottom.
12/17/15	14.47	831.34	19.11	826.70	0.00	--	--	--	Firm bottom.
12/27/16	13.77	832.04	19.20	826.61	-0.09	--	--	--	Firm bottom.
12/21/17	14.35	831.46	19.18	826.63	-0.07	--	--	--	Firm bottom.
11/23/20	14.55	831.26	19.20	826.61	-0.09	--	--	--	Hard bottom.
11/2/2021 ⁵	12.45	833.42	19.21	826.66	-0.10	--	--	--	

Top of Casing (FAMSL) = 845.87
 Well bottom elev. (installed; FAMSL) = 826.76
 Installed Well Depth (ft) = 19.11

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 845.81 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-20									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	7.59	834.37	13.80	828.16	1.65	--	--	--	Soft bottom.
04/25/07	6.88	835.08	13.90	828.06	1.55	--	--	--	Silty bottom.
05/30/07	9.72	832.24	13.44	828.52	2.01	--	--	--	Soft bottom, entire probe covered with gray Silt, coal-tar-like odor.
06/27/07	10.50	831.46	13.68	828.28	1.77	--	--	--	Very Silty bottom, entire probe (6") covered in Silt.
07/24/07	10.18	831.78	15.33	826.63	0.12	--	--	--	Able to penetrate sediment in well 0.3', organic-like odor, soft bottom.
08/28/07	10.74	831.22	13.50	828.46	1.95	--	--	--	Approximately 4" of Silt on end of probe. Curb box settled, j-plug rim cracked.
09/20/07	10.98	830.98	13.58	828.38	1.87	--	--	--	Able to penetrate sediment in well 0.4', sediment on probe, coal- tar-like odor, coal-tar-like material on probe.
10/31/07	9.38	832.58	13.64	828.32	1.81	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor, VOCs = 0.0 ppm.
11/20/07	8.61	833.35	13.48	828.48	1.97	--	--	--	Coal-tar-like odor.
12/18/07	7.80	834.16	13.62	828.34	1.83	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	8.41	833.55	12.44	829.52	3.01	--	--	--	Soft bottom.
02/21/08	7.20	834.76	14.27	827.69	1.18	--	--	--	Soft bottom, coal-tar-like odor.
03/18/08	7.19	834.77	13.53	828.43	1.92	--	--	--	Mild coal-tar-like odor, trace sheen on sediment on probe. J-plug rim cracked due to curb box settling.
05/12/08	9.94	832.02	13.57	828.39	1.88	--	--	--	Sediment on probe, faint coal-tar-like odor.
06/05/08	10.62	831.34	15.40	826.56	0.05	--	--	--	Little gray sediment on probe.
07/08/08	10.96	831.00	13.85	828.11	1.60	--	--	--	Soft bottom, coal-tar-like odor.
08/06/08	10.47	831.49	13.85	828.11	1.60	--	--	--	Soft bottom, coal-tar-like odor.
11/19/08	9.91	832.05	15.39	826.57	0.06	--	--	--	Soft bottom, approximately 1.5' of sediment on probe, coal tar-like odor.
02/06/09	10.31	831.65	14.28	827.68	1.17	--	--	--	Soft bottom.
05/29/09	9.31	832.65	13.50	828.46	1.95	--	--	--	Soft bottom.
08/11/09	8.72	833.24	15.40	826.56	0.05	--	--	--	Very soft bottom, slight odor, 1.6' of sediment on probe.
11/09/09	9.28	832.68	14.75	827.21	0.70	--	--	--	Very soft bottom, 1' of gray sediment on probe.
02/23/10	10.12	831.84	15.57	826.39	-0.12	--	--	--	0.0 ppm.
05/28/10	10.26	831.70	14.83	827.13	0.62	--	--	--	Soft bottom, gray sediment on probe, 0.0 ppm.
08/30/10	9.89	832.07	13.95	828.01	1.50	--	--	--	Dark gray sediment on probe, soft bottom, 0.0 ppm.
11/23/10	9.31	832.65	14.62	827.34	0.83	--	--	--	Soft bottom.
02/28/11	8.99	832.97	13.98	827.98	1.47	--	--	--	Soft bottom, sediment on probe, 0.0 ppm.
06/02/11	7.36	834.60	13.70	828.26	1.75	--	--	--	Soft bottom, 0.0 ppm, sediment on probe.
08/26/11	10.07	831.89	13.48	828.48	1.97	--	--	--	Soft bottom, 0.0 ppm.
02/15/12	10.01	831.95	13.36	828.60	2.09	--	--	--	Soft bottom, 0.0 ppm.
06/15/12	10.10	831.86	15.40	826.56	0.05	--	--	--	Soft bottom, 0.0 ppm.
11/19/12	10.09	831.87	14.98	826.98	0.47	--	--	--	Soft bottom, 0.0 ppm.
11/26/13	10.22	831.74	15.10	826.86	0.35	--	--	--	Soft bottom.
05/16/14	9.33	832.63	13.18	828.78	2.27	--	--	--	Soft bottom.
12/01/14	9.59	832.37	13.94	828.02	1.51	--	--	--	Soft bottom.
12/17/15	10.16	831.80	13.09	828.87	2.36	--	--	--	Soft bottom.
12/27/16	9.41	832.55	14.85	827.11	0.60	--	--	--	Soft bottom.
12/21/17	10.40	831.56	15.15	826.81	0.30	--	--	--	Soft bottom, sediment on bottom of probe.
11/23/20	10.10	831.86	15.14	826.82	0.31	--	--	--	Soft bottom, ~ 2' sediment
11/2/2021 ⁵	7.52	834.24	15.17	826.59	0.28	--	--	--	Approximately 1.5 feet of sediment in well

Top of Casing (FAMSL) = 841.76
 Well bottom elev. (installed; FAMSL) = 826.31
 Installed Well Depth (ft) = 15.45

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well bottom elevations are approximate.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 841.96 (FAMSL).

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

BARRIER WALL RECOVERY WELL RW-21									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	8.13	833.89	13.25	828.77	2.75	--	--	--	Soft bottom.
04/25/07	7.54	834.48	15.30	826.72	0.70	--	--	--	Very Silty.
05/30/07	9.80	832.22	14.38	827.64	1.62	--	--	--	Soft bottom, coal-tar-like odor.
06/27/07	10.46	831.56	14.03	827.99	1.97	--	--	--	Silt on the last 3" of the probe.
07/24/07	10.00	832.02	14.79	827.23	1.21	--	--	--	Soft bottom, sediment on probe, trace sheen on probe, faint coal-tar-like odor.
08/28/07	10.95	831.07	14.20	827.82	1.80	--	--	--	Soft bottom, approximately 3" of Silt on end of probe, manure-like odor. Curb box settled, lid will not close completely.
09/20/07	10.98	831.04	14.11	827.91	1.89	--	--	--	Able to penetrate sediment in well 0.2', sediment on probe, coal-tar-like odor.
10/31/07	9.47	832.55	14.14	827.88	1.86	--	--	--	Able to penetrate sediment in well 0.2', mild coal-tar-like odor, VOCs = 0.0 ppm.
11/20/07	9.09	832.93	14.11	827.91	1.89	--	--	--	Coal-tar-like odor, sediment on probe.
12/18/07	9.17	832.85	13.95	828.07	2.05	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	9.41	832.61	13.97	828.05	2.03	--	--	--	Soft bottom.
02/21/08	8.15	833.87	14.37	827.65	1.63	--	--	--	Soft bottom, mild coal-tar-like odor.
03/18/08	8.04	833.98	14.28	827.74	1.72	--	--	--	Soft bottom.
05/12/08	9.97	832.05	13.86	828.16	2.14	--	--	--	Soft bottom, sediment on probe.
06/05/08	10.85	831.17	16.09	825.93	-0.09	--	--	--	Well redeveloped on June 5th 2008.
07/08/08	11.13	830.89	16.09	825.93	-0.09	--	--	--	Firm bottom, sediment on probe.
08/06/08	10.66	831.36	15.85	826.17	0.15	--	--	--	
11/19/08	10.07	831.95	15.88	826.14	0.12	--	--	--	Approximately 1" of sediment on probe.
02/06/09	10.51	831.51	15.56	826.46	0.44	--	--	--	
05/29/09	9.14	832.88	15.87	826.15	0.13	--	--	--	Firm bottom, riser leaning to the west.
08/11/09	8.59	833.43	15.85	826.17	0.15	--	--	--	Soft bottom, 3" of gray sediment on probe, slight odor.
11/09/09	9.61	832.41	16.01	826.01	-0.01	--	--	--	Soft bottom.
02/23/10	10.31	831.71	16.07	825.95	-0.07	--	--	--	0.0 ppm.
05/28/10	10.41	831.61	15.75	826.27	0.25	--	--	--	Soft bottom, gray sediment on probe, 0.0 ppm.
08/30/10	10.09	831.93	15.75	826.27	0.25	--	--	--	Gray sediment on probe, coal tar-like odor, 0.0 ppm.
11/23/10	9.43	832.59	NR	NR	NR	--	--	--	Soft sediment.
02/28/11	9.39	832.63	15.72	826.30	0.28	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	9.02	833.00	15.82	826.20	0.18	--	--	--	Soft bottom, 0.0 ppm, sediment on probe.
08/26/11	10.56	831.46	15.83	826.19	0.17	--	--	--	Soft bottom, 0.0 ppm.
02/15/12	10.08	831.94	15.95	826.07	0.05	--	--	--	Soft bottom, 0.0 ppm.
06/15/12	10.24	831.78	15.95	826.07	0.05	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	10.22	831.80	15.85	826.17	0.15	--	--	--	Firm bottom, 0.0 ppm.
11/26/13	10.46	831.56	15.65	826.37	0.35	--	--	--	Firm bottom.
05/16/14	9.54	832.48	15.77	826.25	0.23	--	--	--	Firm bottom.
12/01/14	10.15	831.87	15.71	826.31	0.29	--	--	--	Firm bottom.
12/17/15	10.37	831.65	15.72	826.30	0.28	--	--	--	Firm bottom.
12/27/16	9.64	832.38	15.79	826.23	0.21	--	--	--	Firm bottom.
12/21/17	10.66	831.36	15.81	826.21	0.19	--	--	--	Firm bottom, trace sediment on bottom of probe, faint coal tar-like odor.
11/23/20	10.66	831.36	15.89	826.13	0.11	--	--	--	0.3' sediment
11/2/2021 ⁵	8.45	833.54	14.82	827.17	1.18	--	--	--	Approximately 0.3 feet of sediment in well

Top of Casing (FAMSL) = 841.99
 Well bottom elev. (installed; FAMSL) = 825.99
 Installed Well Depth (ft) = 16.00

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well redeveloped on June 5, 2008.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 842.02 (FAMSL).
6. Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



BARRIER WALL RECOVERY WELL RW-22									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
01/18/07	8.02	833.95	49.12	792.85	3.08	--	--	--	Soft bottom.
04/25/07	7.45	834.52	47.60	794.37	4.60	--	--	--	
05/30/07	9.83	832.14	47.60	794.37	4.60	--	--	--	Little Silt on probe, slight coal-tar-like odor.
06/27/07	10.75	831.22	47.78	794.19	4.42	--	--	--	
07/24/07	10.28	831.69	48.98	792.99	3.22	--	--	--	Probe appeared to sink through 1' sediment, organic-like odor.
08/28/07	10.92	831.05	47.75	794.22	4.45	--	--	--	Soft bottom, LEL = 9%, O ₂ = 19.3ppm, VOC = 9.4ppm.
09/20/07	10.97	831.00	48.75	793.22	3.45	--	--	--	Able to penetrate sediment in well 0.15'.
10/31/07	9.53	832.44	47.68	794.29	4.52	--	--	--	Able to penetrate sediment in well 0.1', mild coal-tar-like odor, VOCs = 0.9 ppm.
11/20/07	9.19	832.78	47.82	794.15	4.38	--	--	--	Coal-tar-like odor.
12/18/07	9.00	832.97	47.64	794.33	4.56	--	--	--	Able to penetrate sediment in well 0.1', coal-tar-like odor.
01/31/08	9.22	832.75	47.65	794.32	4.55	--	--	--	Soft bottom.
02/21/08	8.71	833.26	48.88	793.09	3.32	--	--	--	Soft bottom, manure-like odor.
03/18/08	7.91	834.06	47.75	794.22	4.45	--	--	--	Soft bottom, coal-tar-like odor, black sediment on probe. Curb box has settled
05/12/08	9.99	831.98	48.01	793.96	4.19	--	--	--	Soft bottom, coal-tar-like odor.
06/05/08	10.82	831.15	52.22	789.75	-0.02	--	--	--	Well redeveloped on June 5th 2008.
07/08/08	11.03	830.94	51.87	790.10	0.33	--	--	--	Firm bottom, mild coal-tar-like odor.
08/06/08	10.54	831.43	51.80	790.17	0.40	--	--	--	Coal-tar-like odor.
11/19/08	10.02	831.95	52.19	789.78	0.01	--	--	--	
02/06/09	10.45	831.52	51.49	790.48	0.71	--	--	--	
05/29/09	9.10	832.87	51.90	790.07	0.30	--	--	--	Firm bottom, riser leaning toward the east.
08/11/09	8.64	833.33	51.59	790.38	0.61	--	--	--	Soft bottom, slight odor.
11/09/09	9.52	832.45	51.91	790.06	0.29	--	--	--	Firm bottom.
02/23/10	10.18	831.79	51.75	790.22	0.45	--	--	--	0.0 ppm.
05/28/10	10.31	831.66	51.74	790.23	0.46	--	--	--	Soft bottom, gray sediment on probe, 0.0 ppm.
08/30/10	10.04	831.93	51.70	790.27	0.50	--	--	--	Soft bottom, dark gray sediment on probe, coal tar-like odor, 0.0 ppm.
11/23/10	9.32	832.65	51.92	790.05	0.28	--	--	--	Soft bottom.
02/28/11	9.27	832.70	51.75	790.22	0.45	--	--	--	Soft bottom, 0.0 ppm.
06/02/11	8.76	833.21	51.72	790.25	0.48	--	--	--	Soft bottom, 0.0 ppm.
08/26/11	10.42	831.55	51.68	790.29	0.52	--	--	--	Soft bottom, 0.0 ppm.
02/15/12	9.97	832.00	51.70	790.27	0.50	--	--	--	Firm bottom, 0.0 ppm.
06/15/12	10.09	831.88	51.70	790.27	0.50	--	--	--	Firm bottom, 0.0 ppm.
11/19/12	10.10	831.87	51.70	790.27	0.50	--	--	--	Soft bottom, 0.0 ppm.
11/26/13	10.37	831.60	51.31	790.66	0.89	--	--	--	Soft bottom.
05/16/14	9.45	832.52	51.39	790.58	0.81	--	--	--	Soft bottom.
12/01/14	10.05	831.92	51.30	790.67	0.90	--	--	--	Soft bottom.
12/17/15	10.28	831.69	51.45	790.52	0.75	--	--	--	Soft bottom.
12/27/16	9.60	832.37	51.68	790.29	0.52	--	--	--	Soft bottom.
12/21/17	10.50	831.47	51.94	790.03	0.26	--	--	--	Firm bottom, 1.0' of sediment on bottom of probe.
11/23/20	10.61	831.36	51.68	790.29	0.52	--	--	--	Soft bottom.
11/2/2021 ⁵	8.43	833.54	51.73	790.24	0.47	--	--	--	

Top of Casing (FAMSL) = 841.97
 Well bottom elev. (installed; FAMSL) = 789.77
 Installed Well Depth (ft) = 52.20

Notes:

1. Elevations referenced to the NAVD 88 Datum.
2. Surface elevation = the elevation of the vault lid or curb box lid.
3. Used weighted measuring tape for depth to bottom starting on 7/24/07.
4. Well redeveloped on June 5, 2008.
5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevation = 842.31 (FAMSL).
6. Well bottom elevations are approximate.

Acronyms and Abbreviations:

FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 1
NAPL Recovery Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



NAPL RECOVERY WELLS									
Date	Depth to Water (ft bTOC)	GW Elevation (FAMSL)	Depth to Bottom (ft bTOC)	Well Bottom Elevation (FAMSL)	Sediment Thickness (ft)	LNAPL/DNAPL			Comments/Observations
						Depth to LNAPL (ft bTOC)	Thickness of Layer (ft)	Volume Purged (liters)	
NMW-1 ¹									
11/23/20	18.80	830.30	41.02	808.08	2.43	--	--	--	
11/2/2021 ⁵	16.52	833.42	41.06	808.88	2.39	--	--	--	Soft; needs 2-inch ferro cap

Top of Casing (FAMSL) = 849.94
 Well bottom elev. (installed; FAMSL) = 806.49
 Installed Well Depth (ft) = 43.45

NMW-2									
11/24/04	14.47	831.72	42.66	803.53	0.84	--	--	--	
08/09/07	15.10	831.09	42.78	803.41	0.72	--	--	--	
03/18/08	12.26	833.93	42.75	803.44	0.75	--	--	--	
11/19/08	14.59	831.60	42.95	803.24	0.55	--	--	--	
05/29/09	13.94	832.25	43.02	803.17	0.48	--	--	--	
11/09/09	14.17	832.02	42.80	803.39	0.70	--	--	--	
05/28/10	15.64	830.55	42.70	803.49	0.80	--	--	--	
11/23/10	13.85	832.34	42.76	803.43	0.74	--	--	--	
06/02/11	12.82	833.37	42.72	803.47	0.78	--	--	--	
02/15/12	14.34	831.85	42.64	803.55	0.86	--	--	--	
06/15/12	14.52	831.67	42.76	803.43	0.74	--	--	--	
11/20/12	14.54	831.65	42.91	803.28	0.59	--	--	--	
05/31/13	13.02	833.17	42.65	803.54	0.85	--	--	--	
11/26/13	14.78	831.41	42.78	803.41	0.72	--	--	--	
12/02/14	13.49	832.70	42.71	803.48	0.79	--	--	--	
12/17/15	14.79	831.40	43.33	802.86	0.17	--	--	--	
12/27/16	14.13	832.06	43.35	802.84	0.15	--	--	--	
12/21/17	6.32	839.87	43.36	802.83	0.14	--	--	--	
11/23/20	15.04	831.15	43.38	802.81	0.12	--	--	--	Hard bottom
11/2/2021 ⁵	13.90	832.22	43.34	802.78	0.16	--	--	--	

Top of Casing (FAMSL) = 846.12
 Well bottom elev. (installed; FAMSL) = 802.62
 Installed Well Depth (ft) = 43.50

- Notes:**
1. Not included as part of the monitoring well network.
 2. Elevations referenced to the NAVD 88 Datum.
 3. Surface elevation = the elevation of the vault lid or curb box lid.
 4. Well bottom elevations are approximate.
 5. Monitoring well TOC elevations resurveyed on 11/12/2021 following well repairs, prior TOC elevations:
 NMW-1 = 849.10 (FAMSL), NMW-2 = 846.19 (FAMSL).

Acronyms and Abbreviations:
 FAMSL = Feet Above Mean Sea Level
 TOC = Top of Casing
 -- = NAPL not present
 NR = not recorded
 NM = not measured

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



Well ID	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL) ²	11/24/2004					1/28/2005					8/9/2007				
			DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft-TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft-TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)
Upgradient and Side-Gradient Wells																	
PZ93-1	844.70	848.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-06D	844.20	846.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-05D	844.90	847.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14D	845.90	845.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14S	845.90	845.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17D	861.50	861.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17S	861.70	861.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sentinel Wells																	
MW97-07S	849.33	849.36	17.43	24.86	831.93	--	--	15.80	24.65	833.56	--	--	18.09	24.83	831.27	--	--
MW-01-07-R	849.00	848.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01-03-R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ01-02	841.86	841.46	10.03	20.58	831.43	10.00	0.03	8.31	20.6	833.15	8.28	0.03	10.57	17.40	830.89	--	--
PZ03-01D	848.10	847.49	15.78	46.72	831.71	--	--	14.17	46.5	833.32	--	--	16.39	46.70	831.10	--	--
PZ03-02A	846.20	845.96	14.08	15.35	831.88	--	--	12.25	15.1	833.71	--	--	Dry	14.67	--	--	--
PZ03-02D	846.20	845.97	14.28	54.72	831.69	--	--	12.35	54.5	833.62	--	--	14.82	54.13	831.15	--	--
PZ03-03A	843.86	843.50	10.71	10.96	832.79	--	--	10.15	10.9	833.35	--	--	8.68	8.68	834.82	--	--
PZ03-03B	843.86	843.53	11.78	22.2	831.75	--	--	10.1	22.1	833.43	--	--	12.51	21.90	831.02	--	--
PZ03-03D	843.86	843.59	11.89	49.41	831.70	--	--	NA	NA	--	--	--	12.56	48.10	831.03	--	--
PZ03-04A	843.14	842.76	10.33	14.60	832.43	--	--	9.25	14.60	833.51	--	--	10.97	14.60	831.79	--	--
PZ03-04B	843.14	842.68	10.96	22.06	831.72	--	--	9.52	22.06	833.16	--	--	11.70	21.19	830.98	--	--
PZ03-04D	843.14	842.75	11.07	41.62	831.68	--	--	9.46	41.60	833.29	--	--	11.75	41.50	831.00	--	--
PZ03-05A	842.68	842.37	10.64	12.38	831.73	--	--	9.23	12.35	833.14	--	--	6.20	6.20	836.17	--	--
PZ03-05B	842.63	842.32	10.66	15.92	831.66	--	--	9.33	15.95	832.99	--	--	11.42	15.76	830.90	--	--
PZ03-05C	842.68	842.40	10.75	27.59	831.65	--	--	9.15	27.60	833.25	--	--	11.48	24.67	830.92	--	--
PZ03-05D	842.68	842.37	10.61	44.80	831.76	--	--	9.93	44.80	832.44	--	--	9.85	33.74	832.52	--	--
PZ03-06A	842.15	841.80	9.70	11.51	832.10	--	--	8.27	11.50	833.53	--	--	10.30	11.50	831.50	--	--
PZ03-06B	842.15	841.75	10.31	18.05	831.44	10.30	0.01	8.75	18.00	833.00	8.53	0.22	10.85	17.81	830.90	10.76	0.09
PZ03-06C	842.07	841.72	10.25	32.68	831.47	--	--	6.07	32.65	835.65	--	--	11.00	31.90	830.72	--	--
PZ03-06D	842.07	841.66	5.90	51.00	835.76	--	--	8.55	51.00	833.11	--	--	7.01	50.98	834.65	--	--
PZ03-07A	841.50	841.17	8.85	10.50	832.32	--	--	7.50	10.50	833.67	--	--	8.61	10.35	832.56	--	--
PZ03-07B	841.50	841.08	9.31	16.67	831.77	--	--	7.68	16.70	833.40	--	--	10.00	16.26	831.08	--	--
PZ03-07C	841.43	841.00	9.46	32.85	831.54	--	--	7.80	32.85	833.20	--	--	10.10	31.20	830.90	--	--
PZ03-07D	841.43	841.07	9.50	52.90	831.57	--	--	7.80	52.90	833.27	--	--	10.23	52.76	830.84	--	--
PZ03-08A	841.28	840.87	9.89	11.45	830.98	--	--	7.10	11.45	833.77	--	--	9.28	10.97	831.59	--	--
PZ03-08B	841.28	840.87	9.08	18.68	831.79	--	--	7.45	18.65	833.42	--	--	9.75	17.35	831.12	--	--
PZ03-08C	841.28	840.91	9.15	30.65	831.76	--	--	7.50	30.65	833.41	--	--	9.84	30.27	831.07	--	--
PZ03-08D	841.28	840.87	9.12	54.68	831.75	--	--	7.50	54.70	833.37	--	--	9.81	55.22	831.06	--	--
PZ03-09A	851.19	850.95	19.47	47.17	831.48	--	--	18.00	21.50	832.95	--	--	NA	NA	--	--	--
PZ03-09D	851.19	850.78	19.12	47.17	831.66	--	--	17.54	47.00	833.24	--	--	NA	NA	--	--	--

See Notes on Page 9.

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



Well ID	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL) ²	3/18/2008					11/19/2008					5/29/2009				
			DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)
Upgradient and Side-Gradient Wells																	
PZ93-1	844.70	848.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-06D	844.20	846.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-05D	844.90	847.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14D	845.90	845.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14S	845.90	845.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17D	861.50	861.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17S	861.70	861.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sentinel Wells																	
MW97-07S	849.33	849.36	15.21	24.81	834.15	--	--	17.32	24.90	832.04	--	--	16.65	24.92	832.71	--	--
MW-01-07-R	849.00	848.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01-03-R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ01-02	841.86	841.46	7.68	17.25	833.78	7.57	0.11	9.7	17.30	831.76	9.61	0.09	9.49	17.29	831.97	8.71	0.78
PZ03-01D	848.10	847.49	13.55	46.76	833.94	--	--	15.88	46.76	831.61	--	--	15.23	46.69	832.26	--	--
PZ03-02A	846.20	845.96	11.78	14.70	834.18	--	--	13.02	14.80	832.94	--	--	11.93	14.80	834.03	--	--
PZ03-02D	846.20	845.97	12	54.10	833.97	--	--	13.09	54.17	832.88	--	--	13.6	54.18	832.37	--	--
PZ03-03A	843.86	843.50	8.67	8.67	834.83	--	--	8.73	8.73	834.77	--	--	8.7	8.70	834.80	--	--
PZ03-03B	843.86	843.53	9.65	21.21	833.88	--	--	11.81	21.91	831.72	--	--	11.02	20.92	832.51	--	--
PZ03-03D	843.86	843.59	9.69	48.05	833.90	--	--	11.86	48.04	831.73	--	--	11.08	48.03	832.51	--	--
PZ03-04A	843.14	842.76	8.12	14.38	834.64	--	--	10.81	14.43	831.95	--	--	10.06	14.46	832.70	--	--
PZ03-04B	843.14	842.68	8.82	21.21	833.86	--	--	11.12	21.22	831.56	--	--	10.72	21.21	831.96	--	--
PZ03-04D	843.14	842.75	8.91	41.18	833.84	--	--	10.97	41.24	831.78	--	--	10.12	41.30	832.63	--	--
PZ03-05A	842.68	842.37	Dry	6.20	--	--	--	6.18	6.18	836.19	--	--	6.20	6.20	836.17	--	--
PZ03-05B	842.63	842.32	8.11	15.70	834.21	--	--	8.69	15.75	833.63	--	--	10.12	15.71	832.20	--	--
PZ03-05C	842.68	842.40	7.78	24.70	834.62	--	--	10.75	24.69	831.65	--	--	10.00	24.72	832.40	--	--
PZ03-05D	842.68	842.37	5.89	33.75	836.48	--	--	11.11	33.75	831.26	--	--	9.61	33.79	832.76	--	--
PZ03-06A	842.15	841.80	6.92	11.46	834.88	--	--	10.08	11.52	831.72	10.01	0.07	9.32	11.50	832.48	--	--
PZ03-06B	842.15	841.75	8.40	17.25	833.35	8.26	0.14	10.91	16.88	830.84	10.78	0.13	9.81	16.90	831.94	8.19	1.62
PZ03-06C	842.07	841.72	8.14	31.75	833.58	--	--	9.92	31.70	831.80	--	--	9.02	31.72	832.70	--	--
PZ03-06D	842.07	841.66	6.07	50.95	835.59	--	--	7.62	51.03	834.04	--	--	7.93	51.00	833.73	--	--
PZ03-07A	841.50	841.17	6.42	10.38	834.75	--	--	9.16	10.33	832.01	--	--	8.60	10.35	832.57	--	--
PZ03-07B	841.50	841.08	7.38	16.22	833.70	--	--	9.14	16.27	831.94	--	--	8.22	16.25	832.86	--	--
PZ03-07C	841.43	841.00	7.23	30.90	833.77	--	--	8.93	30.89	832.07	--	--	8.61	30.95	832.39	--	--
PZ03-07D	841.43	841.07	7.31	52.62	833.76	--	--	9.12	52.70	831.95	--	--	9.07	52.56	832.00	--	--
PZ03-08A	841.28	840.87	6.39	10.98	834.48	--	--	8.84	10.95	832.03	--	--	8.12	11.00	832.75	--	--
PZ03-08B	841.28	840.87	6.91	17.40	833.96	--	--	8.93	17.34	831.94	--	--	7.98	17.42	832.89	--	--
PZ03-08C	841.28	840.91	6.98	30.30	833.93	--	--	8.92	30.30	831.99	--	--	8.93	30.36	831.98	--	--
PZ03-08D	841.28	840.87	6.98	55.00	833.89	--	--	9.01	54.85	831.86	--	--	8.11	55.01	832.76	--	--
PZ03-09A	851.19	850.95	17.43	21.80	833.52	--	--	19.40	21.84	831.55	--	--	18.77	21.78	832.18	--	--
PZ03-09D	851.19	850.78	16.91	47.13	833.87	--	--	19.21	47.17	831.57	--	--	18.59	46.97	832.19	--	--

See Notes on Page 9.

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



Well ID	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL) ²	11/9/2009					5/28/2010					11/23/2010				
			DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)
Upgradient and Side-Gradient Wells																	
PZ93-1	844.70	848.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-06D	844.20	846.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-05D	844.90	847.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14D	845.90	845.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14S	845.90	845.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17D	861.50	861.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17S	861.70	861.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sentinel Wells																	
MW97-07S	849.33	849.36	16.91	24.82	832.45	--	--	17.67	24.82	831.69	--	--	16.69	24.81	832.67	--	--
MW-01-07-R	849.00	848.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01-03-R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ01-02	841.86	841.46	9.65	17.30	831.81	9.20	0.45	10.21	17.28	831.25	9.54	0.67	8.91	17.29	832.55	8.86	0.05
PZ03-01D	848.10	847.49	15.37	46.72	832.12	--	--	15.94	46.62	831.55	--	--	15.16	46.68	832.33	--	--
PZ03-02A	846.20	845.96	13.59	14.75	832.37	--	--	14.18	14.70	831.78	--	--	13.11	14.79	832.85	--	--
PZ03-02D	846.20	845.97	13.83	54.16	832.14	--	--	14.52	54.12	831.45	--	--	13.56	54.13	832.41	--	--
PZ03-03A	843.86	843.50	8.79	8.79	834.71	--	--	Dry	8.72	--	--	--	Dry	8.79	--	--	--
PZ03-03B	843.86	843.53	10.79	21.90	832.74	--	--	12.08	21.88	831.45	--	--	11.18	21.88	832.35	--	--
PZ03-03D	843.86	843.59	11.38	48.02	832.21	--	--	12.13	48.00	831.46	--	--	11.19	48.03	832.40	--	--
PZ03-04A	843.14	842.76	10.08	14.42	832.68	--	--	10.78	14.45	831.98	--	--	9.64	14.45	833.12	--	--
PZ03-04B	843.14	842.68	10.49	21.19	832.19	--	--	11.29	21.21	831.39	--	--	10.26	21.21	832.42	--	--
PZ03-04D	843.14	842.75	10.53	41.32	832.22	--	--	11.33	41.30	831.42	--	--	10.32	41.35	832.43	--	--
PZ03-05A	842.68	842.37	6.20	6.20	836.17	--	--	6.18	6.18	836.19	--	--	9.79	NA	832.58	--	--
PZ03-05B	842.63	842.32	9.78	15.75	832.54	--	--	10.94	15.75	831.38	--	--	10.37	15.81	831.95	--	--
PZ03-05C	842.68	842.40	9.92	24.64	832.48	--	--	10.81	24.75	831.59	--	--	9.75	24.67	832.65	--	--
PZ03-05D	842.68	842.37	9.23	33.80	833.14	--	--	9.81	33.75	832.56	--	--	9.26	32.47	833.11	--	--
PZ03-06A	842.15	841.80	9.38	11.50	832.42	9.32	0.06	9.97	11.47	831.83	--	--	9.25	11.51	832.55	9.07	0.18
PZ03-06B	842.15	841.75	9.71	16.80	832.04	9.51	0.20	11.32	16.45	830.43	10.32	1.00	12.60	16.76	829.15	12.45	0.15
PZ03-06C	842.07	841.72	9.59	31.69	832.13	--	--	10.62	31.60	831.10	--	--	9.34	31.61	832.38	--	--
PZ03-06D	842.07	841.66	8.41	50.80	833.25	--	--	9.07	50.90	832.59	--	--	8.56	50.42	833.10	--	--
PZ03-07A	841.50	841.17	8.27	10.35	832.90	--	--	8.72	10.32	832.45	--	--	8.31	10.35	832.86	--	--
PZ03-07B	841.50	841.08	8.72	16.24	832.36	--	--	9.69	16.25	831.39	--	--	8.57	16.28	832.51	--	--
PZ03-07C	841.43	841.00	7.88	30.92	833.12	--	--	9.38	30.87	831.62	--	--	7.78	30.91	833.22	--	--
PZ03-07D	841.43	841.07	8.83	52.75	832.24	--	--	9.48	52.60	831.59	--	--	8.47	52.61	832.60	--	--
PZ03-08A	841.28	840.87	8.27	11.00	832.60	--	--	9.00	10.98	831.87	--	--	8.09	10.98	832.78	--	--
PZ03-08B	841.28	840.87	8.42	17.40	832.45	--	--	9.32	17.37	831.55	--	--	8.24	17.41	832.63	--	--
PZ03-08C	841.28	840.91	8.02	30.30	832.89	--	--	9.28	30.30	831.63	--	--	7.98	30.29	832.93	--	--
PZ03-08D	841.28	840.87	8.44	54.95	832.43	--	--	9.48	54.80	831.39	--	--	8.26	54.86	832.61	--	--
PZ03-09A	851.19	850.95	18.97	21.71	831.98	--	--	19.63	21.70	831.32	--	--	18.76	21.81	832.19	--	--
PZ03-09D	851.19	850.78	18.69	46.90	832.09	--	--	19.27	46.95	831.51	--	--	18.48	47.03	832.30	--	--

See Notes on Page 9.

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



Well ID	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL) ²	6/2/2011					2/15/2012					6/15/2012				
			DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)
Upgradient and Side-Gradient Wells																	
PZ93-1	844.70	848.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-06D	844.20	846.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-05D	844.90	847.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14D	845.90	845.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14S	845.90	845.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17D	861.50	861.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17S	861.70	861.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sentinel Wells																	
MW97-07S	849.33	849.36	15.91	24.89	833.45	--	--	15.35	NA	834.01	--	--	17.42	24.85	831.94	--	--
MW-01-07-R	849.00	848.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01-03-R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ01-02	841.86	841.46	8.34	17.22	833.12	7.87	0.47	10.05	17.15	831.41	--	trace	9.92	17.21	831.54	9.85	0.07
PZ03-01D	848.10	847.49	14	46.67	833.49	--	--	15.67	36.66	831.82	--	--	15.85	46.75	831.64	--	--
PZ03-02A	846.20	845.96	12.07	14.75	833.89	--	--	13.86	14.72	832.10	--	--	12.47	14.77	833.49	--	--
PZ03-02D	846.20	845.97	11.78	54.12	834.19	--	--	14.03	54.11	831.94	--	--	14.09	54.11	831.88	--	--
PZ03-03A	843.86	843.50	Dry	8.42	--	--	--	8.65	8.65	834.85	--	--	Dry	8.74	--	--	--
PZ03-03B	843.86	843.53	10.58	21.87	832.95	--	--	11.66	21.86	831.87	--	--	11.84	21.88	831.69	--	--
PZ03-03D	843.86	843.59	10.61	47.98	832.98	--	--	11.73	48.00	831.86	--	--	11.89	48.07	831.70	--	--
PZ03-04A	843.14	842.76	9.43	14.44	833.33	--	--	9.76	14.43	833.00	--	--	10.20	14.48	832.56	--	--
PZ03-04B	843.14	842.68	9.88	21.22	832.80	--	--	10.82	21.20	831.86	--	--	11.02	21.29	831.66	--	--
PZ03-04D	843.14	842.75	9.88	41.32	832.87	--	--	10.87	41.35	831.88	--	--	11.07	41.43	831.68	--	--
PZ03-05A	842.68	842.37	0.80	6.98	841.57	--	--	5.68	6.86	836.69	--	--	0.65	6.87	841.72	--	--
PZ03-05B	842.63	842.32	8.68	15.79	833.64	--	--	10.51	15.73	831.81	--	--	10.68	15.91	831.64	--	--
PZ03-05C	842.68	842.40	9.11	24.67	833.29	--	--	10.64	24.60	831.76	--	--	10.82	24.66	831.58	--	--
PZ03-05D	842.68	842.37	8.32	33.43	834.05	--	--	10.75	32.47	831.62	--	--	10.24	32.51	832.13	--	--
PZ03-06A	842.15	841.80	8.33	11.50	833.47	--	--	9.71	11.51	832.09	--	--	9.94	11.54	831.86	--	trace
PZ03-06B	842.15	841.75	9.46	16.64	832.29	8.92	0.54	10.20	16.64	831.55	10.00	0.20	10.21	16.77	831.54	10.11	0.10
PZ03-06C	842.07	841.72	9.49	31.48	832.23	--	--	10.27	32.29	831.45	--	--	10.20	31.29	831.52	--	--
PZ03-06D	842.07	841.66	6.04	50.94	835.62	--	--	3.94	50.91	837.72	--	--	4.66	51.02	837.00	--	--
PZ03-07A	841.50	841.17	7.79	10.37	833.38	--	--	8.43	10.25	832.74	--	--	8.83	10.36	832.34	--	--
PZ03-07B	841.50	841.08	8.13	16.25	832.95	--	--	9.16	15.21	831.92	--	--	9.30	16.26	831.78	--	--
PZ03-07C	841.43	841.00	7.99	30.92	833.01	--	--	9.57	30.86	831.43	--	--	1.02	30.84	839.98	--	--
PZ03-07D	841.43	841.07	8.78	52.53	832.29	--	--	9.71	52.00	831.36	--	--	9.54	52.28	831.53	--	--
PZ03-08A	841.28	840.87	7.69	11.00	833.18	--	--	8.42	10.98	832.45	--	--	8.81	11.02	832.06	--	--
PZ03-08B	841.28	840.87	8.03	17.42	832.84	--	--	8.87	17.44	832.00	--	--	9.02	17.45	831.85	--	--
PZ03-08C	841.28	840.91	8.02	30.30	832.89	--	--	8.97	30.31	831.94	--	--	9.06	30.34	831.85	--	--
PZ03-08D	841.28	840.87	8.09	54.72	832.78	--	--	9.41	55.03	831.46	--	--	9.17	55.10	831.70	--	--
PZ03-09A	851.19	850.95	18.11	21.66	832.84	--	--	19.31	21.67	831.64	--	--	18.44	21.75	832.51	--	--
PZ03-09D	851.19	850.78	17.49	47.03	833.29	--	--	18.99	46.86	831.79	--	--	19.16	47.08	831.62	--	--

See Notes on Page 9.

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



Well ID	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL) ²	11/20/2012					5/31/2013					11/26/2013				
			DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)
Upgradient and Side-Gradient Wells																	
PZ93-1	844.70	848.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-06D	844.20	846.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-05D	844.90	847.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14D	845.90	845.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14S	845.90	845.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17D	861.50	861.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17S	861.70	861.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sentinel Wells																	
MW97-07S	849.33	849.36	17.44	24.82	831.92	--	--	15.47	-	833.89	--	--	17.61	24.82	831.75	--	--
MW-01-07-R	849.00	848.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01-03-R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ01-02	841.86	841.46	10.00	NA	831.46	9.85	0.15	8.3	-	833.16	8.29	0.01	10.11	17.21	831.35	10.03	0.08
PZ03-01D	848.10	847.49	15.85	46.75	831.64	--	--	14.34	46.72	833.15	--	--	16.09	46.77	831.40	--	--
PZ03-02A	846.20	845.96	13.74	14.82	832.22	--	--	12.25	14.80	833.71	--	--	14.2	14.74	831.76	--	--
PZ03-02D	846.20	845.97	14.17	54.23	831.80	--	--	13.35	54.17	832.62	--	--	14.46	54.23	831.51	--	--
PZ03-03A	843.86	843.50	8.72	8.72	834.78	--	--	Dry	8.70	--	--	--	Dry	8.70	--	--	--
PZ03-03B	843.86	843.53	11.86	21.91	831.67	--	--	9.62	21.86	833.91	--	--	12.07	21.88	831.46	--	--
PZ03-03D	843.86	843.59	10.91	48.05	832.68	--	--	9.64	48.00	833.95	--	--	12.15	48.10	831.44	--	--
PZ03-04A	843.14	842.76	10.39	14.51	832.37	--	--	9.15	14.47	833.61	--	--	10.98	14.48	831.78	--	--
PZ03-04B	843.14	842.68	10.69	21.22	831.99	--	--	8.89	21.25	833.79	--	--	10.78	21.25	831.90	--	--
PZ03-04D	843.14	842.75	11.06	41.44	831.69	--	--	8.54	41.40	834.21	--	--	11.27	41.43	831.48	--	--
PZ03-05A	842.68	842.37	2.78	6.82	839.59	--	--	--	--	--	--	--	1.48	6.72	840.89	--	--
PZ03-05B	842.63	842.32	10.69	15.88	831.63	--	--	7.65	14.20	834.67	--	--	0.62	10.07	841.70	--	--
PZ03-05C	842.68	842.40	10.69	24.69	831.71	--	--	8.15	24.66	834.25	--	--	10.65	24.68	831.75	--	--
PZ03-05D	842.68	842.37	10.45	32.53	831.92	--	--	9.55	32.47	832.82	--	--	10.38	32.52	831.99	--	--
PZ03-06A	842.15	841.80	9.90	NA	831.90	9.88	0.02	8.36	11.54	833.44	-	trace	10.12	11.54	831.68	--	trace
PZ03-06B	842.15	841.75	10.18	16.73	831.57	10.06	0.12	7.75	16.65	834.00	--	--	10.38	16.68	831.37	10.26	0.12
PZ03-06C	842.07	841.72	10.15	31.29	831.57	--	--	6.97	31.24	834.75	--	--	10.41	31.19	831.31	--	--
PZ03-06D	842.07	841.66	6.23	51.01	835.43	--	--	6.68	50.97	834.98	--	--	4.25	50.95	837.41	--	--
PZ03-07A	841.50	841.17	8.33	10.42	832.84	--	--	7.67	10.38	833.50	--	--	8.95	10.41	832.22	--	--
PZ03-07B	841.50	841.08	9.32	16.26	831.76	--	--	6.26	16.42	834.82	--	--	9.56	16.27	831.52	--	--
PZ03-07C	841.43	841.00	9.57	30.82	831.43	--	--	6.35	30.61	834.65	--	--	8.42	30.49	832.58	--	--
PZ03-07D	841.43	841.07	9.64	52.19	831.43	--	--	8.10	52.10	832.97	--	--	4.55	51.23	836.52	--	--
PZ03-08A	841.28	840.87	8.46	11.03	832.41	--	--	6.91	11.00	833.96	--	--	8.69	11.02	832.18	--	--
PZ03-08B	841.28	840.87	9.06	17.46	831.81	--	--	6.04	17.40	834.83	--	--	9.29	17.42	831.58	--	--
PZ03-08C	841.28	840.91	9.13	30.35	831.78	--	--	6.01	30.31	834.90	--	--	9.48	30.34	831.43	--	--
PZ03-08D	841.28	840.87	9.13	54.83	831.74	--	--	6.40	54.55	834.47	--	--	9.56	54.35	831.31	--	--
PZ03-09A	851.19	850.95	19.46	21.95	831.49	--	--	17.67	21.67	833.28	--	--	19.63	21.69	831.32	--	--
PZ03-09D	851.19	850.78	19.17	47.02	831.61	--	--	17.78	46.98	833.00	--	--	19.41	47.01	831.37	--	--

See Notes on Page 9.

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



Well ID	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL) ²	12/2/2014					12/4/2014 (Post-Redevelopment)					12/17/2015				
			DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)
Upgradient and Side-Gradient Wells																	
PZ93-1	844.70	848.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-06D	844.20	846.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW93-05D	844.90	847.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14D	845.90	845.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW97-14S	845.90	845.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17D	861.50	861.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW01-17S	861.70	861.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sentinel Wells																	
MW97-07S	849.33	849.36	17.10	24.85	832.26	--	--	--	28.80	--	--	--	NA	NA	--	--	--
MW-01-07-R	849.00	848.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01-03-R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ01-02	841.86	841.46	9.4	17.05	832.06	--	trace blebs	9.18	20.46	832.28	--	trace blebs	9.9	17.21	831.56	9.89	0.01
PZ03-01D	848.10	847.49	15.76	46.77	831.73	--	--	--	47.20	--	--	--	14.67	46.77	832.82	--	--
PZ03-02A	846.20	845.96	13.3	14.84	832.66	--	--	--	15.65	--	--	--	14.52	15.54	831.44	--	--
PZ03-02D	846.20	845.97	14.11	54.24	831.86	--	--	--	55.00	--	--	--	14.44	54.90	831.53	--	--
PZ03-03A	843.86	843.50	Dry	8.73	--	--	--	--	11.14	--	--	--	Dry	11.12	--	--	--
PZ03-03B	843.86	843.53	11.57	21.91	831.96	--	--	--	23.79	--	--	--	12	23.78	831.53	--	--
PZ03-03D	843.86	843.59	11.65	48.08	831.94	--	--	--	49.63	--	--	--	12.15	49.64	831.44	--	--
PZ03-04A	843.14	842.76	9.89	14.49	832.87	--	--	9.64	14.65	833.12	--	--	10.95	14.56	831.81	--	--
PZ03-04B	843.14	842.68	10.83	21.18	831.85	--	--	10.46	22.08	832.22	--	--	11.11	22.00	831.57	--	--
PZ03-04D	843.14	842.75	10.84	41.33	831.91	--	--	10.54	41.59	832.21	--	--	11.18	41.51	831.57	--	--
PZ03-05A	842.68	842.37	0.82	6.15	841.55	--	--	1.30	7.16	841.07	--	--	Dry	7.12	--	--	--
PZ03-05B	842.63	842.32	--	--	--	--	--	10.04	16.76	832.28	--	--	10.73	16.72	831.59	--	--
PZ03-05C	842.68	842.40	10.47	24.68	831.93	--	--	10.16	27.68	832.24	--	--	10.83	27.67	831.57	--	--
PZ03-05D	842.68	842.37	10.47	32.55	831.90	--	--	10.04	44.75	832.33	--	--	10.80	44.67	831.57	--	--
PZ03-06A	842.15	841.80	9.76	11.51	832.04	--	--	9.46	18.32	832.34	--	--	10.23	11.77	831.57	--	--
PZ03-06B	842.15	841.75	9.76	9.76	831.99	--	trace blebs	9.50	11.86	832.25	--	trace blebs	10.20	18.58	831.55	10.20	trace
PZ03-06C	842.07	841.72	9.79	31.14	831.93	--	--	9.36	32.68	832.36	--	--	10.10	32.64	831.62	--	--
PZ03-06D	842.07	841.66	0.31	50.99	841.35	--	--	9.16	53.21	832.50	--	--	10.02	53.08	831.64	--	--
PZ03-07A	841.50	841.17	8.91	10.44	832.26	--	--	8.57	10.75	832.60	--	--	9.42	10.70	831.75	--	--
PZ03-07B	841.50	841.08	8.86	16.28	832.22	--	--	8.71	16.66	832.37	--	--	9.42	16.59	831.66	--	--
PZ03-07C	841.43	841.00	0.60	29.48	840.40	--	--	8.64	32.66	832.36	--	--	9.35	32.60	831.65	--	--
PZ03-07D	841.43	841.07	0.60	48.99	840.47	--	--	8.68	51.58	832.39	--	--	9.39	51.51	831.68	--	--
PZ03-08A	841.28	840.87	8.66	10.99	832.21	--	--	8.48	11.81	832.39	--	--	9.09	11.76	831.78	--	--
PZ03-08B	841.28	840.87	8.65	17.43	832.22	--	--	8.49	17.80	832.38	--	--	9.17	17.70	831.70	--	--
PZ03-08C	841.28	840.91	8.67	30.33	832.24	--	--	8.65	30.62	832.26	--	--	9.17	30.56	831.74	--	--
PZ03-08D	841.28	840.87	7.72	54.20	833.15	--	--	8.46	55.68	832.41	--	--	9.13	55.55	831.74	--	--
PZ03-09A	851.19	850.95	19.19	21.75	831.76	--	--	--	22.46	--	--	--	NA	NA	--	--	--
PZ03-09D	851.19	850.78	19.12	46.98	831.66	--	--	--	47.58	--	--	--	NA	NA	--	--	--

See Notes on Page 9.

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York



Well ID	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL) ²	12/27/2016					12/21/2017					11/23/2020				
			DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)	DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)
Upgradient and Side-Gradient Wells																	
PZ93-1	844.70	848.37	--	--	--	--	--	--	--	--	--	--	10.22	12.29	838.15	--	--
MW93-06D	844.20	846.80	--	--	--	--	--	--	--	--	--	--	14.49	67.24	832.31	--	--
MW93-05D	844.90	847.61	--	--	--	--	--	--	--	--	--	--	15.54	59.15	832.07	--	--
MW97-14D	845.90	845.57	--	--	--	--	--	--	--	--	--	--	13.12	38.25	832.45	--	--
MW97-14S	845.90	845.55	--	--	--	--	--	--	--	--	--	--	13.25	19.00	832.30	--	--
MW01-17D	861.50	861.16	--	--	--	--	--	--	--	--	--	--	29.28	58.75	831.88	--	--
MW01-17S	861.70	861.32	--	--	--	--	--	--	--	--	--	--	dry	29.45 ⁸	--	--	--
Sentinel Wells																	
MW97-07S	849.33	849.36	16.91	29.83	832.45	--	--	5.77	25.86	843.59	--	--	NM	NM ⁷	--	--	--
MW-01-07-R	849.00	848.57	--	--	--	--	--	--	--	--	--	--	16.54	108.29	832.03	--	--
MW-01-03-R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ01-02	841.86	841.46	10.6	20.34	830.86	8.90	1.70	8.94	NM	832.52	8.89	0.05	NM	NM ¹¹	--	--	--
PZ03-01D	848.10	847.49	15.44	46.69	832.05	--	--	2.95	46.69	844.54	--	--	NM	NM ⁷	--	--	--
PZ03-02A	846.20	845.96	NA	NA ⁶	--	--	--	NA	NA ⁶	--	--	--	NM	NM ¹⁰	--	--	--
PZ03-02D	846.20	845.97	NA	NA ⁶	--	--	--	NA	NA ⁶	--	--	--	NM	NM ¹⁰	--	--	--
PZ03-03A	843.86	843.50	Dry	11.07	--	--	--	Dry	11.11	--	--	--	10.50	11.12	833.00	--	--
PZ03-03B	843.86	843.53	11.3	23.78	832.23	--	--	12.21	23.78	831.32	--	--	12.28	33.77	831.25	--	--
PZ03-03D	843.86	843.59	11.64	49.62	831.95	--	--	12.31	49.63	831.28	--	--	12.54	49.62	831.05	--	--
PZ03-04A	843.14	842.76	10.04	14.58	832.72	--	--	11.11	14.58	831.65	--	--	11.08	14.59	831.68	--	--
PZ03-04B	843.14	842.68	10.42	21.99	832.26	--	--	11.36	22.00	831.32	--	--	11.39	12.00	--	--	--
PZ03-04D	843.14	842.75	11.55	41.60	831.20	--	--	11.44	41.48	831.31	--	--	11.58	41.50	831.17	--	--
PZ03-05A	842.68	842.37	Dry	7.19	--	--	--	Dry	7.10	--	--	--	Trace	7.15	--	--	--
PZ03-05B	842.63	842.32	10.02	16.71	832.30	--	--	11.04	16.72	831.28	--	--	9.65	16.72	832.67	--	--
PZ03-05C	842.68	842.40	10.15	27.68	832.25	--	--	11.12	27.67	831.28	--	--	11.28	27.67	831.12	--	--
PZ03-05D	842.68	842.37	10.20	44.67	832.17	--	--	11.08	44.69	831.29	--	--	11.26	44.67	831.11	--	--
PZ03-06A	842.15	841.80	NA	NA ⁶	--	--	--	NA	NA ⁶	--	--	--	NM	NM ¹¹	--	--	--
PZ03-06B	842.15	841.75	NA	NA ⁶	--	--	--	NA	NA ⁶	--	--	--	NM	NM ¹¹	--	--	--
PZ03-06C	842.07	841.72	NA	NA ⁶	--	--	--	NA	NA ⁶	--	--	--	NM	NM ¹¹	--	--	--
PZ03-06D	842.07	841.66	NA	NA ⁶	--	--	--	NA	NA ⁶	--	--	--	NM	NM ¹¹	--	--	--
PZ03-07A	841.50	841.17	8.02	10.69	833.15	--	--	8.47	10.70	832.70	--	--	NM	NM ¹¹	--	--	--
PZ03-07B	841.50	841.08	8.72	16.61	832.36	--	--	9.66	16.59	831.42	--	--	NM	NM ¹¹	--	--	--
PZ03-07C	841.43	841.00	8.70	32.59	832.30	--	--	9.68	32.58	831.32	--	--	NM	NM ¹¹	--	--	--
PZ03-07D	841.43	841.07	8.95	51.52	832.12	--	--	9.72	51.52	831.35	--	--	NM	NM ¹¹	--	--	--
PZ03-08A	841.28	840.87	7.80	11.77	833.07	--	--	8.84	11.76	832.03	--	--	NM	NM ¹¹	--	--	--
PZ03-08B	841.28	840.87	8.55	17.70	832.32	--	--	9.42	17.72	831.45	--	--	NM	NM ¹¹	--	--	--
PZ03-08C	841.28	840.91	8.65	30.54	832.26	--	--	9.46	30.55	831.45	--	--	NM	NM ¹¹	--	--	--
PZ03-08D	841.28	840.87	9.17	55.55	831.70	--	--	9.46	55.56	831.41	--	--	NM	NM ¹¹	--	--	--
PZ03-09A	851.19	850.95	19.05	22.43	831.90	--	--	13.82	NA	837.13	--	--	19.94	22.70	831.01	--	--
PZ03-09D	851.19	850.78	18.82	47.57	831.96	--	--	19.54	47.59	831.24	--	--	19.55	47.68	831.23	--	--

See Notes on Page 9.

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

Well ID	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL) ²	11/2/2021				
			DTW (ft-TIC)	DTB (ft-TIC)	Groundwater Elevation (ft AMSL)	DTNAPL (ft TIC)	NAPL Thickness (ft)
Upgradient and Side-Gradient Wells							
PZ93-1	844.70	848.00	9.67	12.18	838.33	--	--
MW93-06D	844.20	845.98	12.43	67.26	833.55	--	--
MW93-05D	844.90	847.16	13.45	59.15	833.71	--	--
MW97-14D	845.90	844.88	11.15	37.72	833.73	--	--
MW97-14S	845.90	844.87	11.20	19.20	833.67	--	--
MW01-17D	861.50	860.79	27.22	58.91	833.57	--	--
MW01-17S	861.70	860.86	27.52	36.60	833.34	--	--
Sentinel Wells							
MW97-07S	849.33	848.97	15.68	25.82	833.29	--	--
MW-01-07-R	849.00	848.72	14.69	108.82	834.03	--	--
MW-01-03-R	--	846.56	12.49	111.09	834.07	--	--
PZ01-02	841.86	--	NM	NM ¹¹	--	--	--
PZ03-01D	848.10	847.61	14.15	46.70	833.46	--	--
PZ03-02A	846.20	--	NM	NM ¹⁰	--	--	--
PZ03-02D	846.20	--	NM	NM ¹⁰	--	--	--
PZ03-03A	843.86	--	NM	NM ¹²	--	--	--
PZ03-03B	843.86	--	NM	NM ¹²	--	--	--
PZ03-03D	843.86	--	NM	NM ¹²	--	--	--
PZ03-04A	843.14	--	NM	NM ¹²	--	--	--
PZ03-04B	843.14	--	NM	NM ¹²	--	--	--
PZ03-04D	843.14	--	NM	NM ¹²	--	--	--
PZ03-05A	842.68	--	NM	NM ¹²	--	--	--
PZ03-05B	842.63	--	NM	NM ¹²	--	--	--
PZ03-05C	842.68	--	NM	NM ¹²	--	--	--
PZ03-05D	842.68	--	NM	NM ¹²	--	--	--
PZ03-06A	842.15	--	NM	NM ¹¹	--	--	--
PZ03-06B	842.15	--	NM	NM ¹¹	--	--	--
PZ03-06C	842.07	--	NM	NM ¹¹	--	--	--
PZ03-06D	842.07	--	NM	NM ¹¹	--	--	--
PZ03-07A	841.50	--	NM	NM ¹¹	--	--	--
PZ03-07B	841.50	--	NM	NM ¹¹	--	--	--
PZ03-07C	841.43	--	NM	NM ¹¹	--	--	--
PZ03-07D	841.43	--	NM	NM ¹¹	--	--	--
PZ03-08A	841.28	--	NM	NM ¹¹	--	--	--
PZ03-08B	841.28	--	NM	NM ¹¹	--	--	--
PZ03-08C	841.28	--	NM	NM ¹¹	--	--	--
PZ03-08D	841.28	--	NM	NM ¹¹	--	--	--
PZ03-09A	851.19	850.86	17.89	22.32	832.97	--	--
PZ03-09D	851.19	850.81	17.52	47.49	833.29	--	--

See Notes on Page 9.

Table 2
Upgradient, Side-Gradient, and Sentinel Well Gauging and Groundwater Elevation Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

Notes:

1. NAPL gauging and water level data collected by Arcadis on the dates indicated.
2. All elevations referenced to feet above mean sea level, North American Vertical Datum of 1988. Monitoring Well network was resurveyed in 2021.
3. Ground surface elevation is approximate. City of Binghamton re-surfaced Court Street in 2008. The surveyed points are from 2007 before the road was re-surfaced.
4. Installed well depth taken from geologists' field notes.
5. Sediment and debris was removed from all road wells on 12/3-12/4/14 by jetting with potable water.
6. Piezometer clusters PZ03-02 (A, D) and PZ03-06 (A, B, C, D) were observed to be paved over during the 2016 NAPL monitoring event.
7. Monitoring well was misidentified/not found during the 2020 monitoring event and not measured or sampled.
8. Monitoring well MW01-17S was dry during the 2020 monitoring event. Depth to bottom was measured at 29.45 feet, constructed well depth is 37.0 feet indicating approximately 7.5 feet of sediment in the well. MW01-17S was redeveloped during 2021 event.
9. Monitoring well NMW-4 was unable to be located and not measured during the 2020 or 2021 monitoring event and is assumed to be lost/destroyed.
10. Piezometer cluster PZ03-02 (A, D) cover and J-plug were missing, casing was filled with dirt/road debris during the 2020 monitoring event and was unable to be measured. Piezometer cluster was observed to be paved over during 2021 event and assumed to be destroyed/abandoned.
11. Piezometer clusters PZ01-02, PZ03-06 (A, B, C, D), PZ03-07 (A, B, C, D), and PZ03-08 (A, B, C, D) were observed to be paved over during the 2020 and 2021 monitoring event and not measured. Piezometers are assumed to be destroyed/abandoned.
12. Piezometer clusters PZ03-03 (A, B, D) through PZ03-05 (A, B, C, D) were decommissioned in accordance with NYSDEC Monitoring Well Decommissioning Policy (CP-43) during 2021 event.

Table 3
Groundwater Sample Analytical Results Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

Location ID: Date Collected:	NYSDEC TOGS Standards and Guidance Values ³	Units	MW-01-17-D		MW-01-17-S		MW-93-05-D		MW-97-14-D		
			10/02/01	11/24/20	10/02/01	11/02/21	12/19/97	11/23/20	12/22/97	11/23/20	
Volatile Organics											
Benzene	1	µg/L	10 U [10 U]	1 U	10 U	1.0 U	10 U	1 U	10 U	1 U	
Ethylbenzene	5	µg/L	10 U [10 U]	1 U	10 U	1.0 U	1.0 J	1 U	10 U	1 U	
Toluene	5	µg/L	10 U [10 U]	1 U	10 U	1.0 U	10 U	1 U	10 U	1 U	
Xylenes (total)	5	µg/L	--	2 U	--	2.0 U	3.0 J	2 U	10 U	2 U	
Semivolatile Organics											
Acenaphthene	20	µg/L	11 U [10 U]	5 U	11 U	5.2 U	1.0 J	5 U	10 U	5 U	
Acenaphthylene	--	µg/L	11 U [10 U]	5 U	11 U	5.2 U	30	5 U	10 U	5 U	
Anthracene	50	µg/L	11 U [10 U]	5 U	11 U	5.2 U	2.0 J	5 U	10 U	5 U	
Benzo(a)anthracene	0.002	µg/L	11 U [10 U]	5 U	11 U	5.2 U	10 U	5 U	10 U	5 UJ	
Benzo(a)pyrene	ND	µg/L	11 U [10 U]	5 U	11 U	5.2 U	10 U	5 U	10 U	5 UJ	
Benzo(b)fluoranthene	0.002	µg/L	11 U [10 U]	5 U	11 U	5.2 U	10 U	5 U	10 U	5 UJ	
Benzo(g,h,i)perylene	--	µg/L	11 U [10 U]	5 U	11 U	5.2 U	10 U	5 U	10 U	5 UJ	
Benzo(k)fluoranthene	0.002	µg/L	11 U [10 U]	5 U	11 U	5.2 U	10 U	5 U	10 U	5 U	
Chrysene	0.002	µg/L	11 U [10 U]	5 U	11 U	5.2 U	10 U	5 U	10 U	5 UJ	
Dibenzo(a,h)anthracene	--	µg/L	11 U [10 U]	5 U	11 U	5.2 U	10 U	5 U	10 U	5 UJ	
Fluoranthene	50	µg/L	11 U [10 U]	5 U	11 U	5.2 U	2.0 J	0.87 J	10 U	5 U	
Fluorene	50	µg/L	11 U [10 U]	5 U	11 U	5.2 U	10 U	5 U	10 U	5 U	
Indeno(1,2,3-cd)pyrene	0.002	µg/L	11 UJ [10 UJ]	5 U	11 UJ	5.2 U	10 U	5 U	10 U	5 UJ	
Naphthalene	10	µg/L	11 U [10 U]	5 U	11 U	5.2 U	79	5 U	10 U	5 U	
Phenanthrene	50	µg/L	11 U [10 U]	5 U	11 U	5.2 U	17	5 U	10 U	5 U	
Pyrene	50	µg/L	11 U [10 U]	5 U	11 U	5.2 U	3.0 J	1.4 J	10 U	5 U	
Miscellaneous											
Cyanide	200	mg/L	3.0 B [3.0 B]	0.01 U	1 U	0.01 U	10 U	0.01 U	10 U	0.01 U	

See Acronyms and Abbreviations, and Notes on Page 2.

Table 3
Groundwater Sample Analytical Results Summary
2021 Post-Remediation Monitoring Report
NYSEG - Binghamton Former MGP Site
Binghamton, New York

Location ID: Date Collected:	NYSDEC TOGS Standards and Guidance Values ³	Units	MW-97-14-S		PZ-93-1	PZ-03-01-D	NMW-01 ⁵	MW-97-7		MW-01-07-R ⁵	
			12/22/97	11/23/20	11/23/20	11/02/21	11/24/20	12/19/97	11/02/21	10/01/01	11/24/20
Volatile Organics											
Benzene	1	µg/L	10 U	1 U [1 U]	21	43 [48]	160	10 U	1.5	10 U	1 U
Ethylbenzene	5	µg/L	10 U	1 U [1 U]	920	1.0 U [1.0 U]	3.4 J	10 U	1.0 U	10 U	1 U
Toluene	5	µg/L	10 U	1 U [1 U]	120	1.0 U [1.0 U]	4 U	10 U	1.0 U	10 U	1 U
Xylenes (total)	5	µg/L	10 U	2 U [2 U]	450	2.0 U [2.0 U]	13	1.0 J	2.0 U	--	2 U
Semivolatile Organics											
Acenaphthene	20	µg/L	10 U	5 U [5 U]	220	41 [47]	85	10 U	2.5 J	11 U	5 U
Acenaphthylene	--	µg/L	10 U	5 U [5 U]	2.3 J	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Anthracene	50	µg/L	10 U	5 U [5 U]	4.2 J	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Benzo(a)anthracene	0.002	µg/L	10 U	5 U [5 U]	25 U	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Benzo(a)pyrene	ND	µg/L	10 U	5 U [5 U]	25 U	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	10 U	5 U [5 U]	25 U	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Benzo(g,h,i)perylene	--	µg/L	10 U	5 U [5 U]	25 U	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Benzo(k)fluoranthene	0.002	µg/L	10 U	5 U [5 U]	25 U	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Chrysene	0.002	µg/L	10 U	5 U [5 U]	25 U	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Dibenzo(a,h)anthracene	--	µg/L	10 U	5 U [5 U]	25 U	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Fluoranthene	50	µg/L	10 U	5 U [5 U]	5.7 J	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 U	5 U
Fluorene	50	µg/L	10 U	5 U [5 U]	84	5.4 [6.4]	20 J	10 U	5.0 U	11 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	10 U	5 U [5 U]	25 U	5.0 U [5.0 U]	25 U	10 U	5.0 U	11 UJ	5 U
Naphthalene	10	µg/L	10 U	5 U [5 U]	3,700 D	1.4 J [1.6 J]	11 J	10 U	5.0 U	11 U	5 U
Phenanthrene	50	µg/L	10 U	5 U [5 U]	62	0.81 J [1.0 J]	3.3 J	10 U	5.0 U	11 U	5 U
Pyrene	50	µg/L	10 U	5 U [5 U]	10 J	0.62 J [0.70J]	1.8 J	10 U	5.0 U	11 U	5 U
Miscellaneous											
Cyanide	200	mg/L	23	0.0073 J [0.0089 J]	0.011	0.015 UB [0.01 B]	0.010 UB	10 U	0.013 UB	16	0.01 U

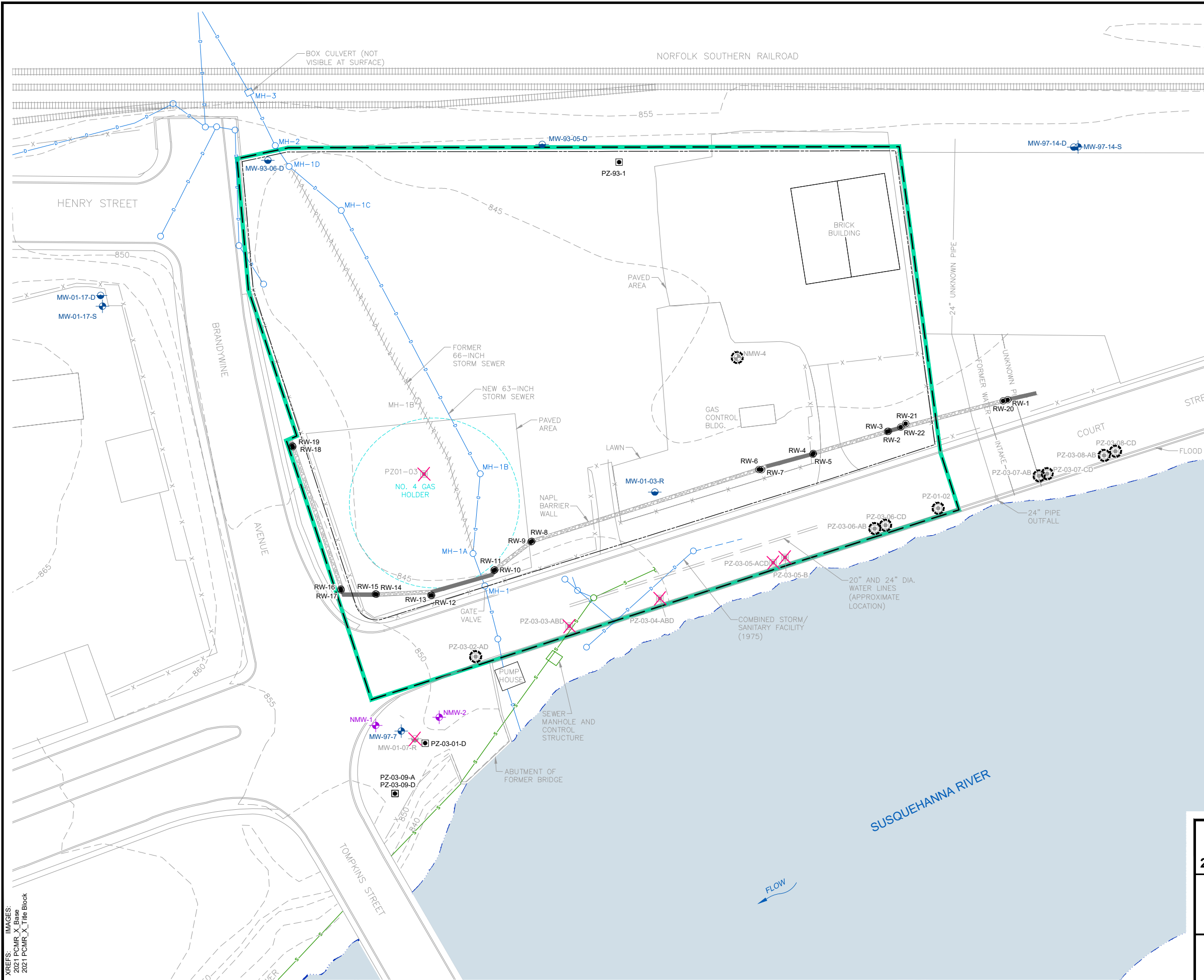
Acronyms and Abbreviations:

- D - Concentration is based on a diluted sample analysis.
- J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- ND - non detect
- NYSDEC - New York State Department of Environmental Conservation
- TOGS - Technical and Operational Guidance Series
- U - Indicates that the compound was analyzed for but not detected. The associated value is the Reporting Limit.
- UB - Compound considered non-detect at the listed value due to associated blank contamination.
- UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- µg/L - micrograms per liter
- Indicates that no water quality standard or guidance value is available for this compound.
- [] - Results shown in brackets represent field duplicates.

Notes:

1. Samples collected by Arcadis of New York, Inc. on the dates indicated.
2. Laboratory analysis was performed by Eurofins TestAmerica of Amherst, NY.
3. NYSDCE groundwater standards/guidance values are from the NYSDCE Division of Water, Technical and Operational Guidance Series (TOGS) document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1) dated June 1998, revised April 2000 and June 2004.
4. Bold values exceed the method detection limit. Shaded results exceed the applicable screening values.
5. Well misidentified and sampled in 2020, results provided for reference.

Figures



LEGEND:

- NYSEG PROPERTY LINES AND ENVIRONMENTAL EASEMENT LIMITS
- OPERABLE UNIT BOUNDARY AND INSTITUTIONAL CONTROL LIMITS
- 840 ----- GROUND SURFACE ELEVATION (FT AMSL)
- X-X- FENCE
- RAILROAD TRACK
- FLOOD WALL
- SANITARY SEWER LINE
- STORM SEWER LINE
- ABANDONED STORM SEWER LINE
- HISTORIC FEATURE
- NAPL BARRIER WALL
- JET GROUT PANEL
- DECOMMISSIONED
- UNABLE TO LOCATE/ABANDONED
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- NAPL MONITORING WELL
- PIEZOMETER
- RECOVERY WELL

NOTES:

1. BASE MAP PROVIDED BY NYSEG (JUNE 12, 1997).
2. GROUND SURFACE CONTOURS DIGITIZED FROM CITY OF BINGHAMTON MAP, SHEET 303; FLOWN DECEMBER 2, 1973 AND MAPPED APRIL 1, 1974.
3. GROUND SURFACE AND BASEMAP REFERENCE DATUMS: VERTICAL: NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 HORIZONTAL: NORTH AMERICAN DATUM (NAD) OF 1983, NEW YORK STATE PLANE, CENTRAL ZONE 3102.
4. STORM SEWER LOCATION DIGITIZED FROM CITY OF BINGHAMTON MAP, SHEET 303, ENTITLED: PRELIMINARY REPORT, COMPREHENSIVE STORM DRAINAGE, EXISTING FACILITIES, PREPARED BY VERNON O. SHUMAKER, CONSULTING ENGINEER, VESTAL, NEW YORK, DATE NOT PROVIDED.
5. ALL LOCATIONS ARE APPROXIMATE. SITE PLAN DEPICTS BOTH HISTORIC AND CURRENT SITE FEATURES, INCLUDING MONITORING WELLS.

0 40' 80'
GRAPHIC SCALE

NYSEG
COURT STREET FORMER MGP SITE
BINGHAMTON, NEW YORK
2021 POST-CONSTRUCTION MONITORING REPORT

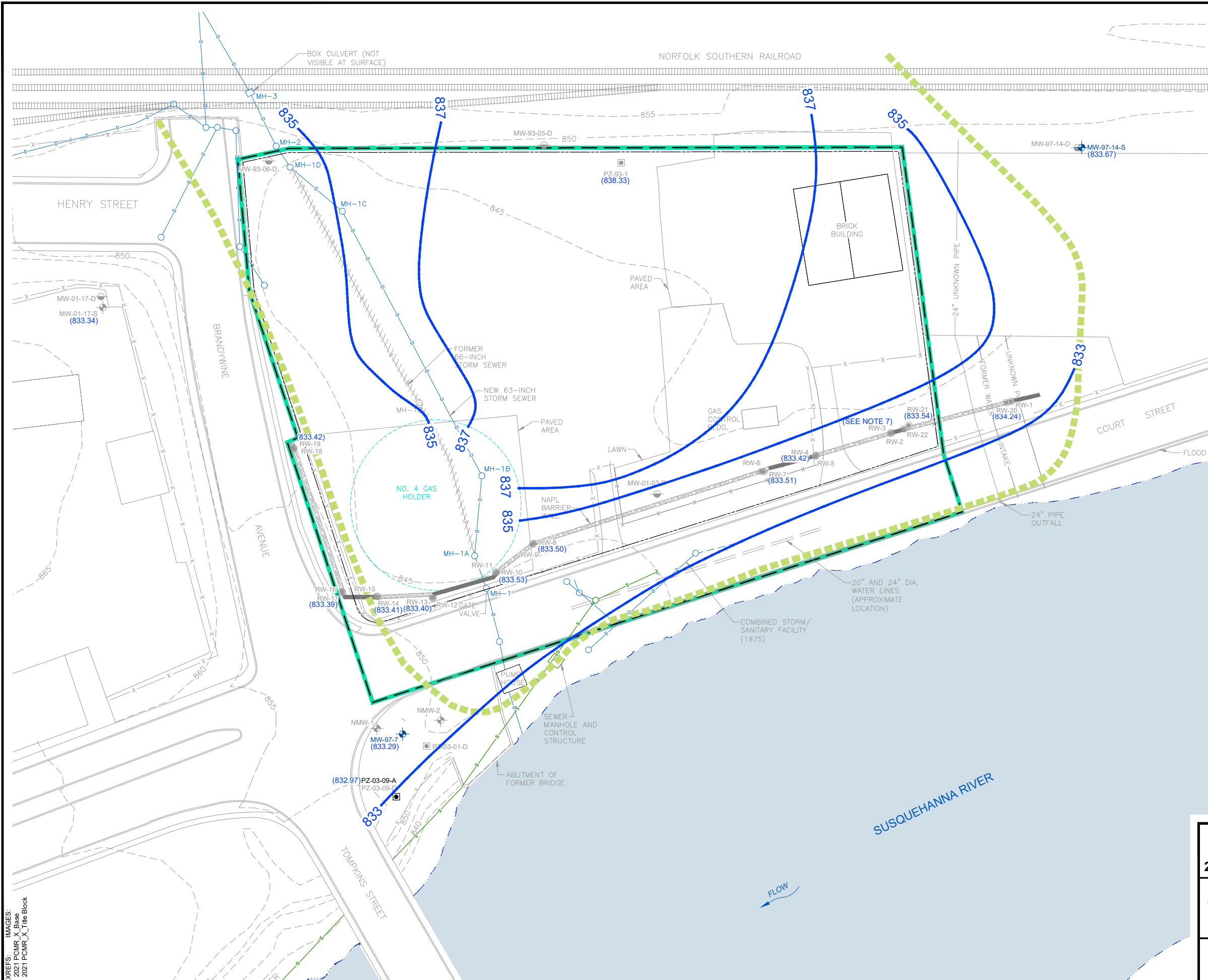
MONITORING WELL LOCATIONS

ARCADIS Design & Consultancy
for natural and built assets

FIGURE
1

C:\Users\Ksartori\OneDrive - ARCADIS\BIM360 - OneDrive Sync Location\AUS-NYSEG-COURT STREET-BINGHAMTON New York\2020\1-In Progress\01-DWG\2021 PCMR-F02-W-TABLE.dwg BY: SARTORI, KATHERINE SAVED: 11/14/2022 1:03 PM

XREFS: IMAGES:
2021 PCMR_X_Base
2021 PCMR_X_Title Block



LEGEND:

- NYSEG PROPERTY LINES AND ENVIRONMENTAL EASEMENT LIMITS
- OPERABLE UNIT BOUNDARY AND INSTITUTIONAL CONTROL LIMITS
- 840 ----- GROUND SURFACE ELEVATION (FT AMSL)
- X-X- FENCE
- RAILROAD TRACK
- FLOOD WALL
- SANITARY SEWER LINE
- STORM SEWER LINE
- ABANDONED STORM SEWER LINE
- HISTORIC FEATURE
- EDGE OF SILT
- NAPL BARRIER WALL
- JET GROUT PANEL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- NAPL MONITORING WELL
- PIEZOMETER
- RECOVERY WELL

- 837 ----- GROUNDWATER CONTOUR (SEE NOTE 6)
- (833.01) ----- GROUNDWATER ELEVATION (SEE NOTE 6)

NOTES:

1. BASE MAP PROVIDED BY NYSEG (JUNE 12, 1997).
2. GROUND SURFACE CONTOURS DIGITIZED FROM CITY OF BINGHAMTON MAP, SHEET 303; FLOWN DECEMBER 2, 1973 AND MAPPED APRIL 1, 1974.
3. GROUND SURFACE AND BASEMAP REFERENCE DATUMS: VERTICAL: NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) HORIZONTAL: NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE PLANE, CENTRAL ZONE 3102
4. STORM SEWER LOCATION DIGITIZED FROM CITY OF BINGHAMTON MAP, SHEET 303, ENTITLED: PRELIMINARY REPORT, COMPREHENSIVE STORM DRAINAGE, EXISTING FACILITIES, PREPARED BY VERNON O. SHUMAKER, CONSULTING ENGINEER, VESTAL, NEW YORK, DATE NOT PROVIDED.
5. ALL LOCATIONS ARE APPROXIMATE. SITE PLAN DEPICTS BOTH HISTORIC AND CURRENT SITE FEATURES, INCLUDING MONITORING WELLS.
6. GROUNDWATER ELEVATIONS REFERENCED TO MEAN SEA LEVEL USING NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND NAD83, NEW YORK STATE PLANE, CENTRAL ZONE 3102.
7. GROUNDWATER ELEVATION AT RECOVERY WELL RW-3 WAS MEASURED ON NOVEMBER 9, 2021 AND NOT USED TO DEVELOP WATER TABLE CONTOURS.

0 40' 80'
GRAPHIC SCALE

NYSEG
COURT STREET FORMER MGP SITE
BINGHAMTON, NEW YORK
2021 POST-CONSTRUCTION MONITORING REPORT

WATER TABLE MAP - NOVEMBER 2, 2021

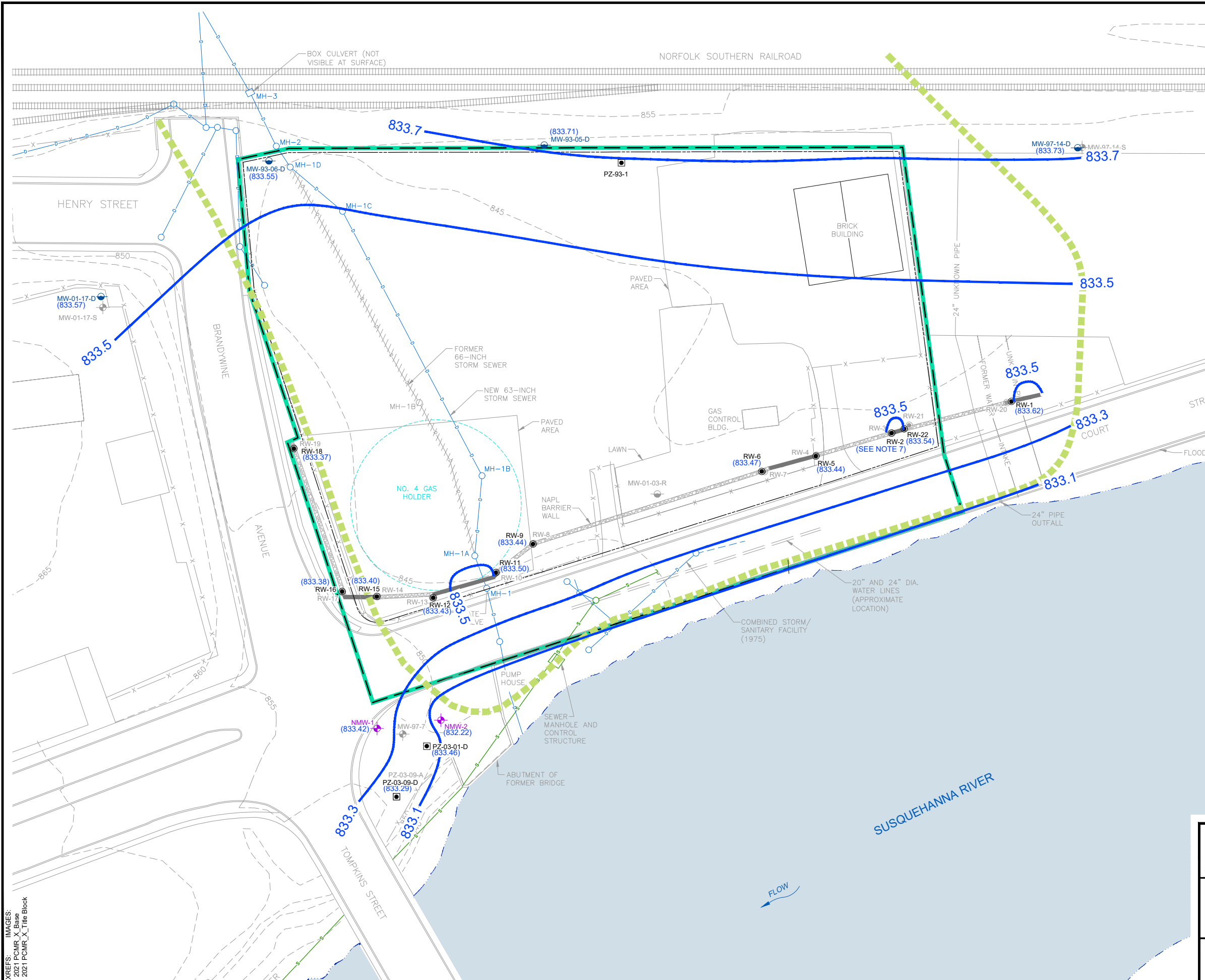


FIGURE

2

C:\Users\Ksartori\OneDrive - ARCADIS\BIM360 - OneDrive Sync Location\AUS-NYSEG-COURT STREET-BINGHAMTON New York\202101-In Progress\01-DWG\2021 PCMR-F03-SURFACE MAP.dwg BY: SARTORI, KATHERINE

XPREFS: IMAGES:
2021 PCMR_X_Base
2021 PCMR_X_Title Block

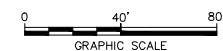


LEGEND:

- NYSEG PROPERTY LINES AND ENVIRONMENTAL EASEMENT LIMITS
- OPERABLE UNIT BOUNDARY AND INSTITUTIONAL CONTROL LIMITS
- GROUND SURFACE ELEVATION (FT AMSL)
- FENCE
- RAILROAD TRACK
- FLOOD WALL
- SANITARY SEWER LINE
- STORM SEWER LINE
- ABANDONED STORM SEWER LINE
- HISTORIC FEATURE
- EDGE OF SILT
- NAPL BARRIER WALL
- JET GROUT PANEL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- NAPL MONITORING WELL
- PIEZOMETER
- RECOVERY WELL
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED) (SEE NOTE 6)
- GROUNDWATER ELEVATION (SEE NOTE 6)

NOTES:

- BASE MAP PROVIDED BY NYSEG (JUNE 12, 1997).
- GROUND SURFACE CONTOURS DIGITIZED FROM CITY OF BINGHAMTON MAP, SHEET 303; FLOWN DECEMBER 2, 1973 AND MAPPED APRIL 1, 1974.
- GROUND SURFACE AND BASEMAP REFERENCE DATUMS: VERTICAL: NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 HORIZONTAL: NORTH AMERICAN DATUM (NAD) OF 1983, NEW YORK STATE PLANE, CENTRAL ZONE 3102.
- STORM SEWER LOCATION DIGITIZED FROM CITY OF BINGHAMTON MAP, SHEET 303, ENTITLED: PRELIMINARY REPORT, COMPREHENSIVE STORM DRAINAGE, EXISTING FACILITIES, PREPARED BY VERNON O. SHUMAKER, CONSULTING ENGINEER, VESTAL, NEW YORK, DATE NOT PROVIDED.
- ALL LOCATIONS ARE APPROXIMATE. SITE PLAN DEPICTS BOTH HISTORIC AND CURRENT SITE FEATURES, INCLUDING MONITORING WELLS.
- GROUNDWATER ELEVATIONS REFERENCED TO MEAN SEA LEVEL USING NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND NAD83, NEW YORK STATE PLANE, CENTRAL ZONE 3102.
- GROUNDWATER ELEVATION AT RECOVERY WELL RW-2 WAS MEASURED ON NOVEMBER 9, 2021 AND NOT USED TO DEVELOP SAND AND GRAVEL POTENTIOMETRIC SURFACE.



NYSEG
COURT STREET FORMER MGP SITE
BINGHAMTON, NEW YORK
2021 POST-CONSTRUCTION MONITORING REPORT

SAND AND GRAVEL POTENTIOMETRIC
SURFACE MAP - NOVEMBER 2, 2021



FIGURE

3

Attachment 1

Well Development Log

LOW FLOW GROUNDWATER SAMPLING FORM

Development



Project No

Well ID

MW01-175

Page 1 of 1

Date 11/1/21

Project Name/Location NYSEG Court St. Binghamton

Weather Sunny 50°

Measuring Pt Description PVC

Screen Setting (ft-bmp) 27-37

Casing Diameter (in.) 2"

Well Material PVC SS

Static Water Level (ft-bmp)

Total Depth (ft-bmp) 37

Water Column (ft)

Gallons in Well added 8 gal DI water

MP Elevation Pump Intake (ft-bmp)

Purge Method: Waterra

Sample Method

Pump On/Off On

Volumes Purged

Centrifugal Submersible Other

Sample Time: Label

Gallons Purged 20

Replicate/ Code No.

Sampled by

Time	Minutes Elapsed	Rate (gpm)/(mL/min) 200mL/min +	Depth to Water (ft) -0.3	Gallons Purged	pH ± 0.1	Cond (µMhos)/(mS/cm) ± 3%	Turbidity (NTU) ± 10%	DO (mg/L) ± 10%	Temp. (°C)/(°F) ± 3%	Redox (mV) ± 10mV	Appearance	
1500	30	0.4	27.0	12	7.45	0.70	Over	6.76	13.8	44.9	Brown	NA
1520	50	0.25	27.0	17	7.25	0.75	Over	8.01	14.8	44.3	Brown	NA
1530	60	0.25	27.45	20	7.27	0.94	Over	6.14	14.9	65.2	Brown	NA
Stabilization Calculations (±)												
Stabilization Criteria					± 0.1 s.u.	± 3%	± 10% or within 1 NTU (1)	± 10%	± 3%	± 10 mV		

(1) Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative

Comments Added 8 gal distilled water, Turbidity never came down, suspended fines

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.5" = 0.09 2.5" = 0.26 3.5" = 0.50 6" = 1.47
1.25" = 0.06 2" = 0.16 3" = 0.37 4" = 0.65

Well Information

Well Location:		Well Locked at Arrival:	Yes / No
Condition of Well:		Well Locked at Departure:	Yes / No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	

Attachment 2

Recovery Well Vault Repair Photolog

Photograph Log

NYSEG
Binghamton Court St. Former MGP Site Operable Unit No. 1
2021 Monitoring Well Vault Repairs



Photograph: 1

Description: Recovery Well RW-10/RW-11 vault prior to repairs.

Location: Binghamton Court Street OU-1

Date: 11/23/2020



Photograph: 2

Description: Recovery Well RW-10/RW-11 vault after repairs were made.

Location: Binghamton Court Street OU-1

Date: 11/11/2021

Photograph Log

NYSEG
Binghamton Court St. Former MGP Site Operable Unit No. 1
2021 Monitoring Well Vault Repairs



Photograph: 3

Description: Recovery Well RW-12/RW-13 vault prior to repairs.

Location: Binghamton Court Street OU-1

Date: 11/23/2020



Photograph: 4

Description: Recovery Well RW-12/RW-13 vault after repairs were made.

Location: Binghamton Court Street OU-1

Date: 11/11/2021

Photograph Log

NYSEG
Binghamton Court St. Former MGP Site Operable Unit No. 1
2021 Monitoring Well Vault Repairs



Photograph: 5

Description: Recovery Well RW-14/RW-15 vault prior to repairs.

Location: Binghamton Court Street OU-1

Date: 11/23/2020



Photograph: 6

Description: Recovery Well RW-14/RW-15 vault after repairs were made.

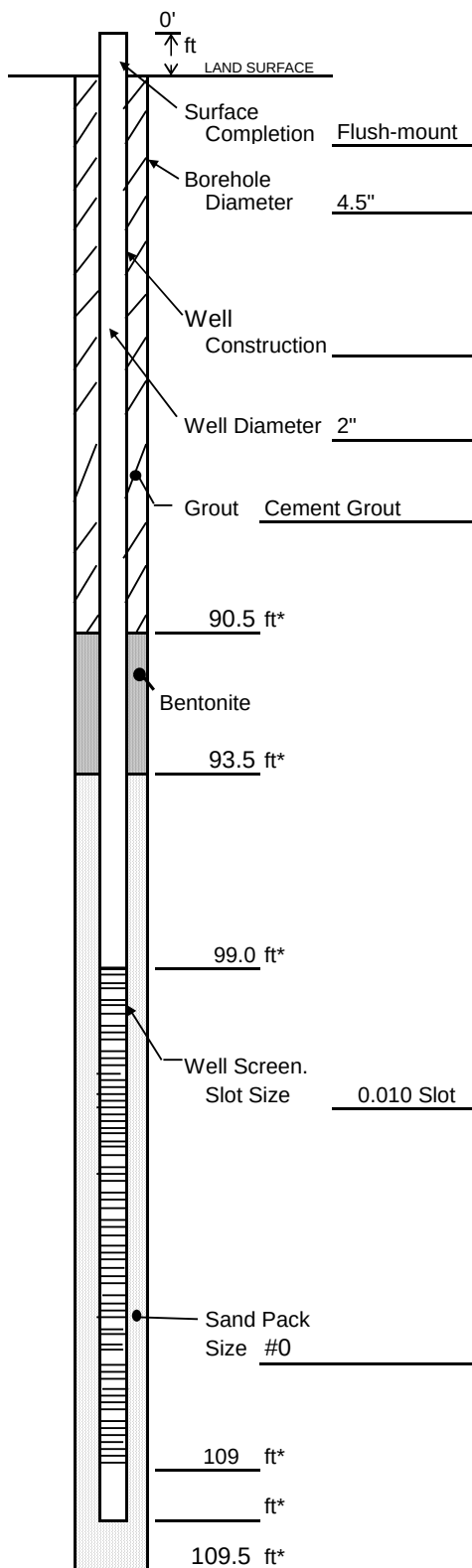
Location: Binghamton Court Street OU-1

Date: 11/11/2021

Attachment 3

Well Decommissioning Logs

Well Decommissioning Record



* Depth Below Land Surface

Project NYSEG-Court St **Well ID** MW01-07R

Site Location Binghamton, NY

Driller D. Richmond

Inspector Troy Platt

Date 11/9/2021

Drilling Contractor Arcadis

NYRD# 11023

Decommissioning Method Grout-in-place

Surface Completion Flush-mount

Well Material Schedule 40 PVC

Well Diameter 2"

Additional Information Tremie grouted the entire well from bottom to grade.

GROUTING

Interval Grouted (FBLs) 0'-109'

Number of Batches Prepared 1

Quantity of Cement Used (lbs.) 315

Cement Type Portland

Quantity of Bentonite Used (lbs.) 15

Quantity of Calcium Chloride Used (lbs.) 0

Volume of Grout Prepared (gal.) 45

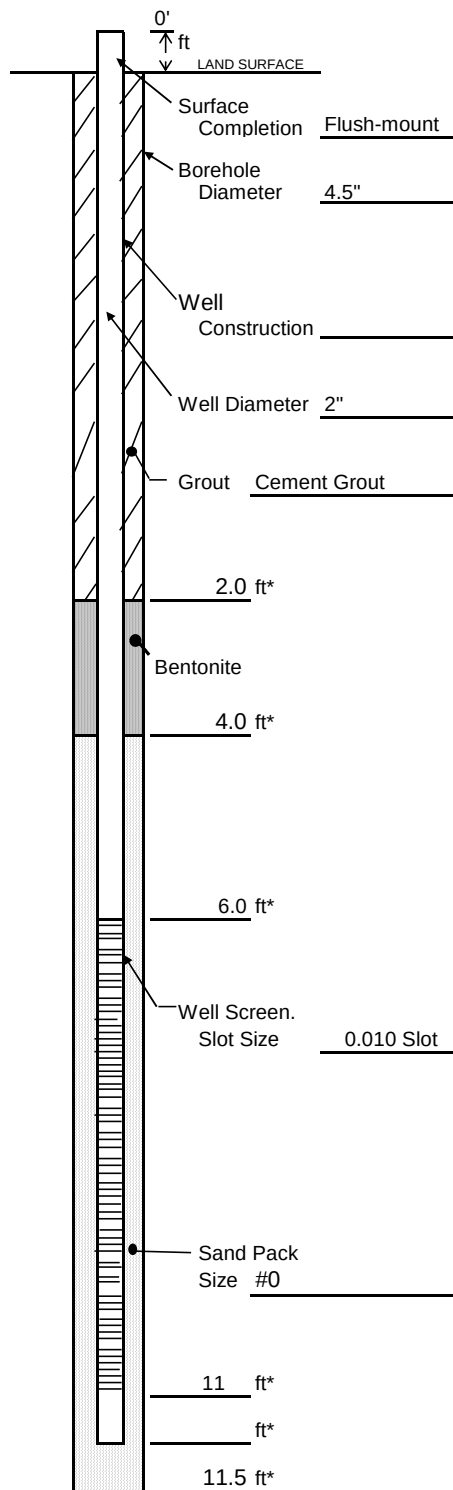
Volume of Grout Used (gal.) 20

Comments: Well Construction section based on original Well Construction Log

Prepared by Troy Platt/Doug Richmond

CWD # 3032457 - Doug Richmond

Well Decommissioning Record



* Depth Below Land Surface

Project NYSEG-Court St **Well ID** PZ03-03A

Site Location Binghamton, NY

Driller D. Richmond

Inspector Troy Platt

Date 11/9/2021

Drilling Contractor Arcadis

NYRD# 11023

Decommissioning Method Grout-in-place

Surface Completion Flush-mount

Well Material Schedule 40 PVC

Well Diameter 2"

Additional Information Tremie grouted the entire well from bottom

to grade.

GROUTING

Interval Grouted (FBLs) 0'-11'

Number of Batches Prepared 1

Quantity of Cement Used (lbs.) 315

Cement Type Portland

Quantity of Bentonite Used (lbs.) 15

Quantity of Calcium Chloride Used (lbs.) 0

Volume of Grout Prepared (gal.) 45

Volume of Grout Used (gal.) 2.5

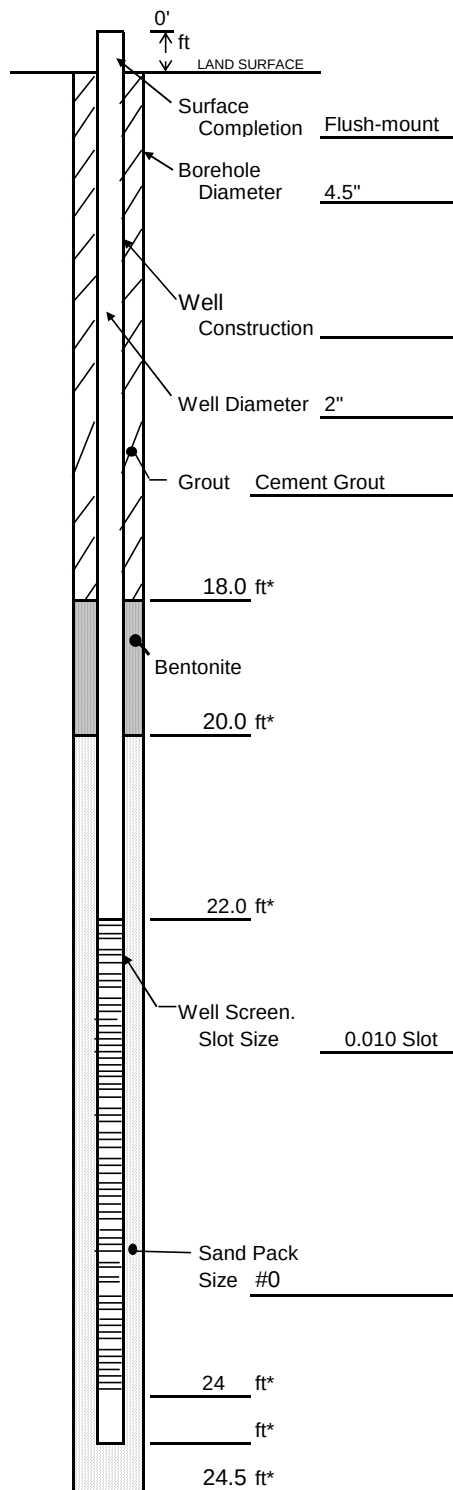
Comments: Well Construction section based on original Well

Construction Log

Prepared by Troy Platt/Doug Richmond

CWD # 3032457 - Doug Richmond

Well Decommissioning Record



* Depth Below Land Surface

Project NYSEG-Court St **Well ID** PZ03-03B

Site Location Binghamton, NY

Driller D. Richmond

Inspector Troy Platt

Date 11/9/2021

Drilling Contractor Arcadis

NYRD# 11023

Decommissioning Method Grout-in-place

Surface Completion Flush-mount

Well Material Schedule 40 PVC

Well Diameter 1"

Additional Information Tremie grouted the entire well from bottom

to grade.

GROUTING

Interval Grouted (FBLs) 0'-24'

Number of Batches Prepared 1

Quantity of Cement Used (lbs.) 315

Cement Type Portland

Quantity of Bentonite Used (lbs.) 15

Quantity of Calcium Chloride Used (lbs.) 0

Volume of Grout Prepared (gal.) 45

Volume of Grout Used (gal.) 1.2

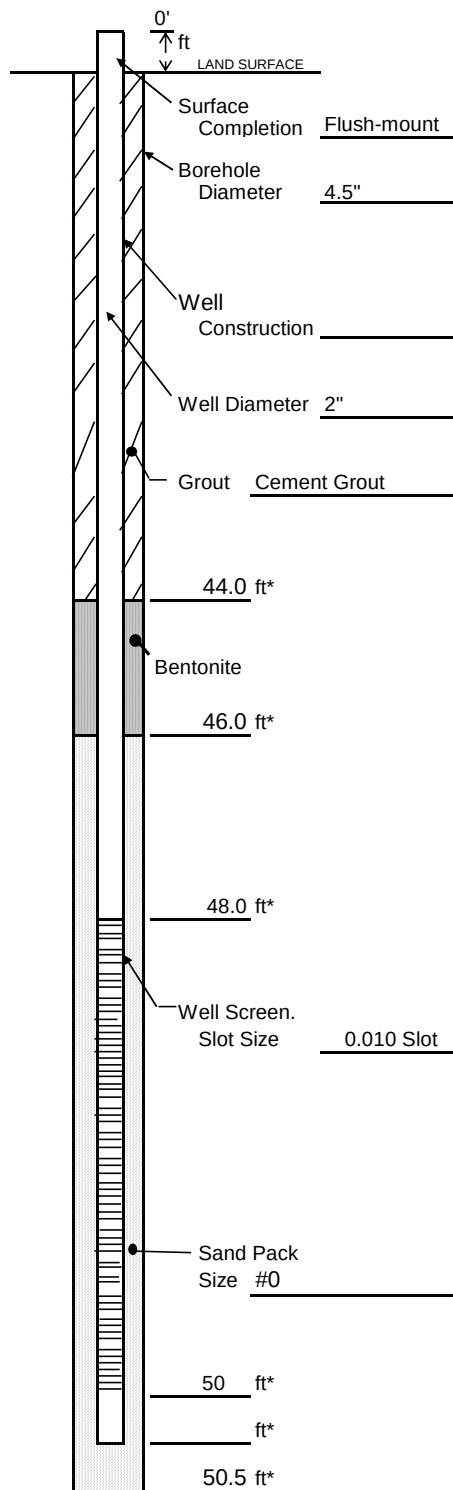
Comments: Well Construction section based on original Well

Construction Log

Prepared by Troy Platt/Doug Richmond

CWD # 3032457 - Doug Richmond

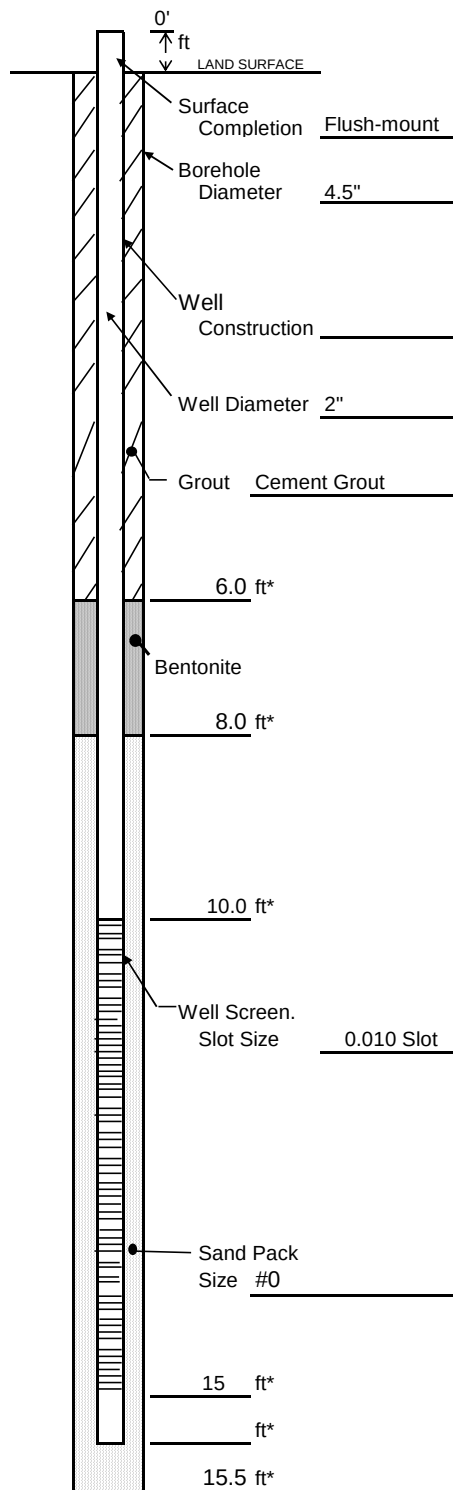
Well Decommissioning Record



* Depth Below Land Surface

Project	NYSEG-Court St	Well ID	PZ03-03D
Site Location	Binghamton, NY		
Driller	D. Richmond		
Inspector	Troy Platt		
Date	11/9/2021		
Drilling Contractor	Arcadis		
NYRD#	11023		
Decommissioning Method	Grout-in-place		
Surface Completion	Flush-mount		
Well Material	Schedule 40 PVC		
Well Diameter	1"		
Additional Information	Tremie grouted the entire well from bottom to grade.		
GROUTING			
Interval Grouted (FBLs)	0'-50'		
Number of Batches Prepared	1		
Quantity of Cement Used (lbs.)	315		
Cement Type	Portland		
Quantity of Bentonite Used (lbs.)	15		
Quantity of Calcium Chloride Used (lbs.)	0		
Volume of Grout Prepared (gal.)	45		
Volume of Grout Used (gal.)	3.2		
Comments:	Well Construction section based on original Well Construction Log		
Prepared by	Troy Platt/Doug Richmond		
CWD #	3032457 - Doug Richmond		

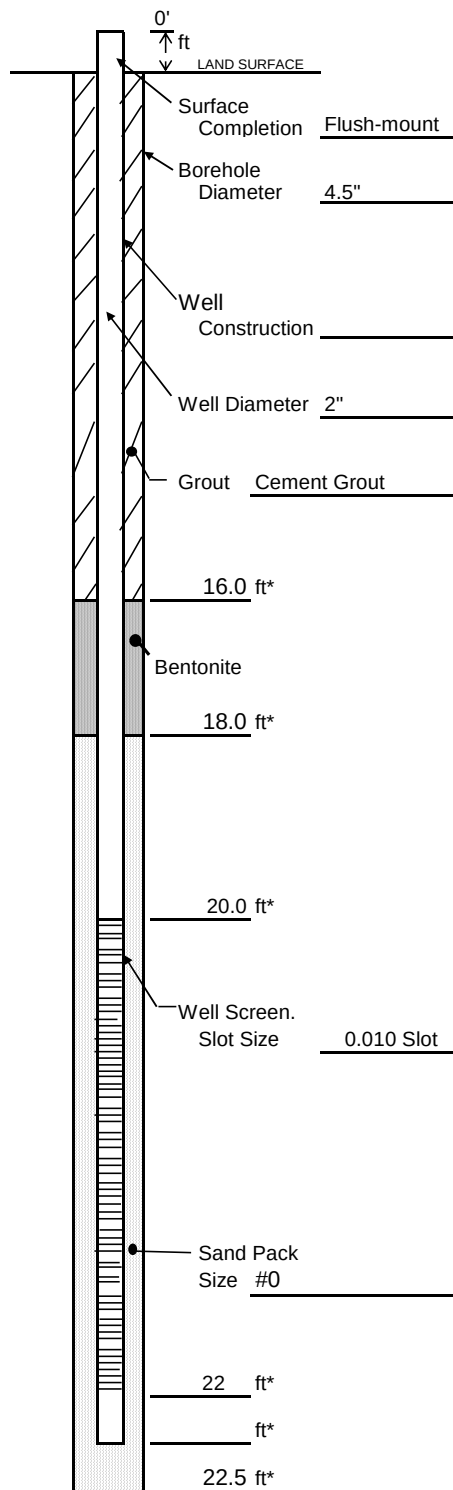
Well Decommissioning Record



* Depth Below Land Surface

Project	NYSEG-Court St	Well ID	PZ03-04A
Site Location	Binghamton, NY		
Driller	D. Richmond		
Inspector	Troy Platt		
Date	11/9/2021		
Drilling Contractor	Arcadis		
NYRD#	11023		
Decommissioning Method	Grout-in-place		
Surface Completion	Flush-mount		
Well Material	Schedule 40 PVC		
Well Diameter	1"		
Additional Information	Tremie grouted the entire well from bottom to grade.		
GROUTING			
Interval Grouted (FBLs)	0'-15'		
Number of Batches Prepared	1		
Quantity of Cement Used (lbs.)	315		
Cement Type	Portland		
Quantity of Bentonite Used (lbs.)	15		
Quantity of Calcium Chloride Used (lbs.)	0		
Volume of Grout Prepared (gal.)	45		
Volume of Grout Used (gal.)	1		
Comments:	Well Construction section based on original Well Construction Log		
Prepared by	Troy Platt/Doug Richmond		
CWD #	3032457 - Doug Richmond		

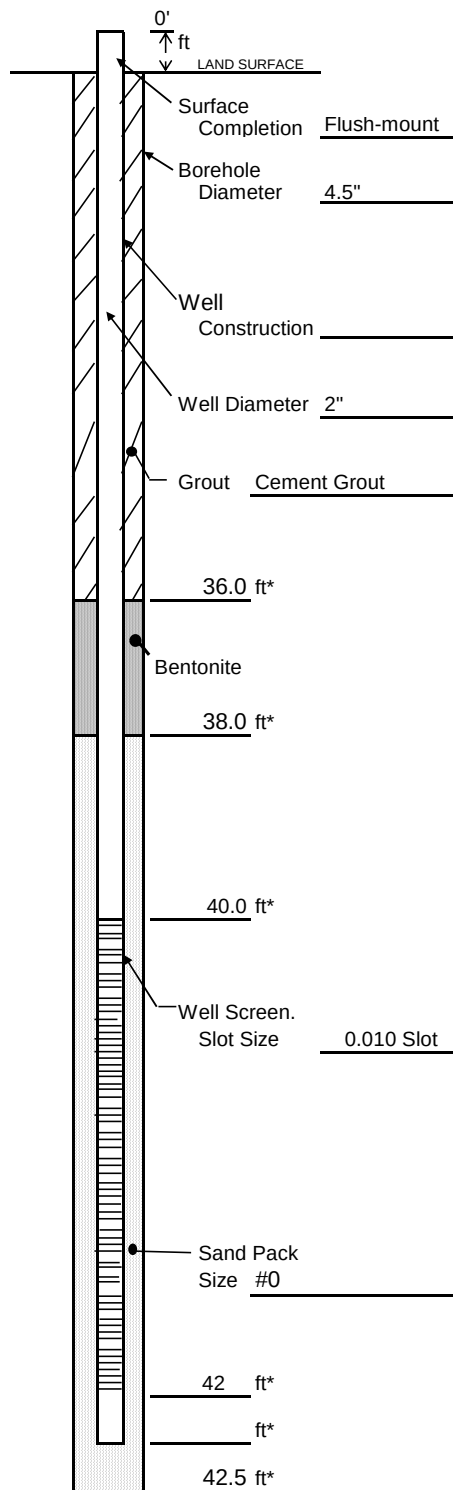
Well Decommissioning Record



* Depth Below Land Surface

Project	<u>NYSEG-Court St</u>	Well ID	<u>PZ03-04B</u>
Site Location	<u>Binghamton, NY</u>		
Driller	<u>D. Richmond</u>		
Inspector	<u>Troy Platt</u>		
Date	<u>11/9/2021</u>		
Drilling Contractor	<u>Arcadis</u>		
NYRD#	<u>11023</u>		
Decommissioning Method	<u>Grout-in-place</u>		
Surface Completion	<u>Flush-mount</u>		
Well Material	<u>Schedule 40 PVC</u>		
Well Diameter	<u>1"</u>		
Additional Information	<u>Tremie grouted the entire well from bottom</u>		
	<u>to grade.</u>		
	<u></u>		
	<u></u>		
GROUTING			
Interval Grouted (FBLs)	<u>0'-22'</u>		
Number of Batches Prepared	<u>1</u>		
Quantity of Cement Used (lbs.)	<u>315</u>		
Cement Type	<u>Portland</u>		
Quantity of Bentonite Used (lbs.)	<u>15</u>		
Quantity of Calcium Chloride Used (lbs.)	<u>0</u>		
Volume of Grout Prepared (gal.)	<u>45</u>		
Volume of Grout Used (gal.)	<u>1.5</u>		
Comments:	<u>Well Construction section based on original Well</u>		
	<u>Construction Log</u>		
	<u></u>		
	<u></u>		
	<u></u>		
	<u></u>		
Prepared by	<u>Troy Platt/Doug Richmond</u>		
CWD #	<u>3032457 - Doug Richmond</u>		

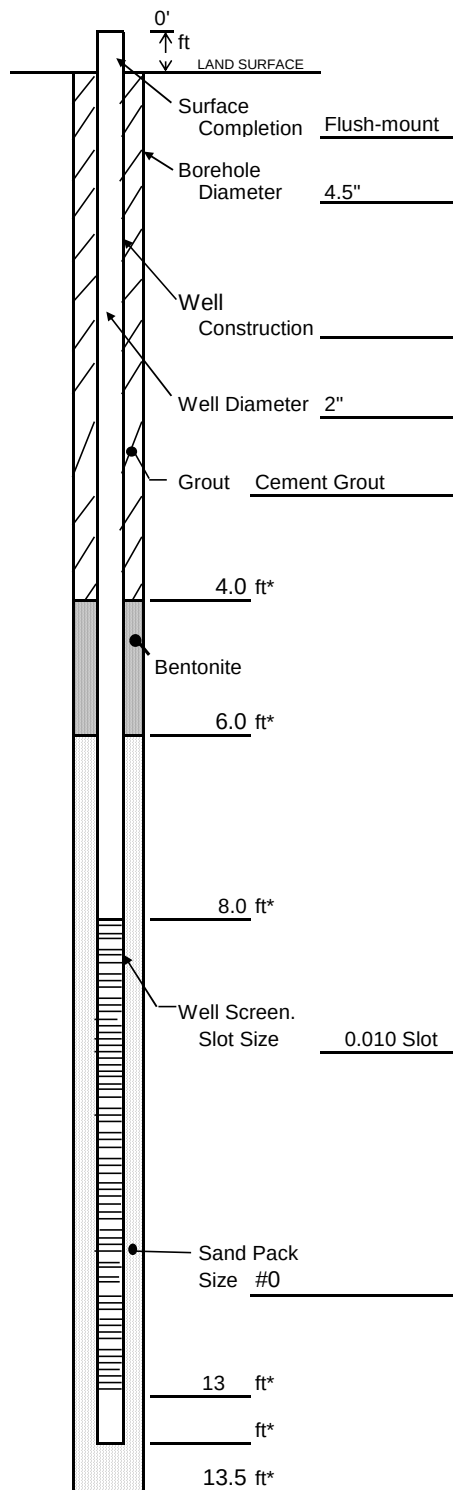
Well Decommissioning Record



* Depth Below Land Surface

Project	NYSEG-Court St	Well ID	PZ03-04D
Site Location	Binghamton, NY		
Driller	D. Richmond		
Inspector	Troy Platt		
Date	11/9/2021		
Drilling Contractor	Arcadis		
NYRD#	11023		
Decommissioning Method	Grout-in-place		
Surface Completion	Flush-mount		
Well Material	Schedule 40 PVC		
Well Diameter	1"		
Additional Information	Tremie grouted the entire well from bottom to grade.		
GROUTING			
Interval Grouted (FBLs)	0'-42'		
Number of Batches Prepared	1		
Quantity of Cement Used (lbs.)	315		
Cement Type	Portland		
Quantity of Bentonite Used (lbs.)	15		
Quantity of Calcium Chloride Used (lbs.)	0		
Volume of Grout Prepared (gal.)	45		
Volume of Grout Used (gal.)	2.8		
Comments:	Well Construction section based on original Well Construction Log		
Prepared by	Troy Platt/Doug Richmond		
CWD #	3032457 - Doug Richmond		

Well Decommissioning Record



* Depth Below Land Surface

Project NYSEG-Court St **Well ID** PZ03-05A

Site Location Binghamton, NY

Driller D. Richmond

Inspector Troy Platt

Date 11/9/2021

Drilling Contractor Arcadis

NYRD# 11023

Decommissioning Method Grout-in-place

Surface Completion Flush-mount

Well Material Schedule 40 PVC

Well Diameter 1"

Additional Information Tremie grouted the entire well from bottom

to grade.

GROUTING

Interval Grouted (FBLs) 0'-13'

Number of Batches Prepared 1

Quantity of Cement Used (lbs.) 315

Cement Type Portland

Quantity of Bentonite Used (lbs.) 15

Quantity of Calcium Chloride Used (lbs.) 0

Volume of Grout Prepared (gal.) 45

Volume of Grout Used (gal.) 1

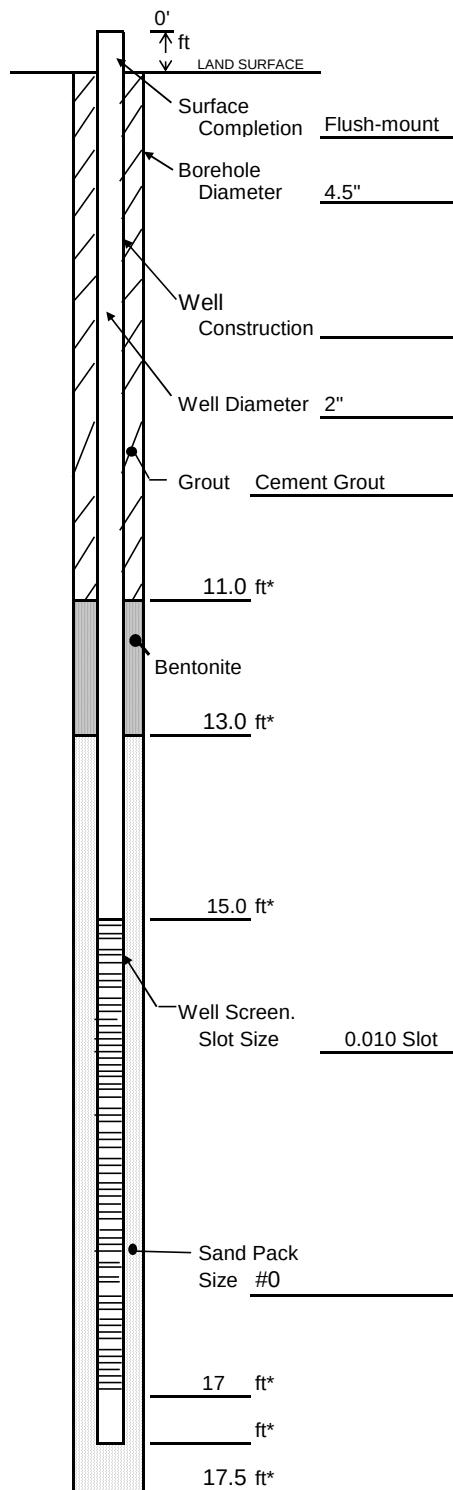
Comments: Well Construction section based on original Well

Construction Log

Prepared by Troy Platt/Doug Richmond

CWD # 3032457 - Doug Richmond

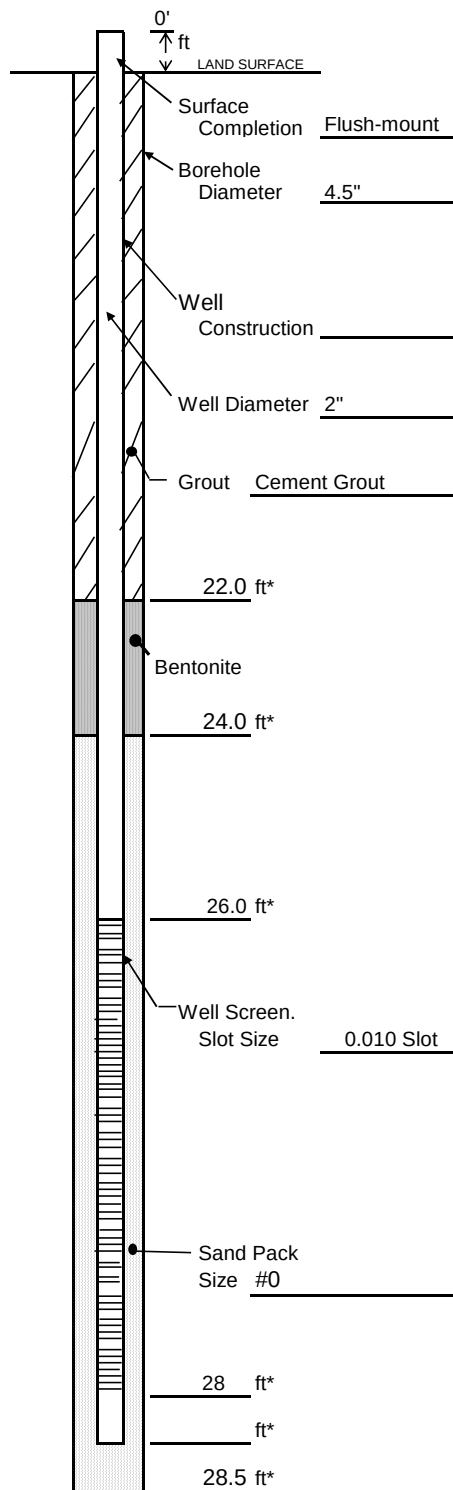
Well Decommissioning Record



* Depth Below Land Surface

Project	<u>NYSEG-Court St</u>	Well ID	<u>PZ03-05B</u>
Site Location	<u>Binghamton, NY</u>		
Driller	<u>D. Richmond</u>		
Inspector	<u>Troy Platt</u>		
Date	<u>11/9/2021</u>		
Drilling Contractor	<u>Arcadis</u>		
NYRD#	<u>11023</u>		
Decommissioning Method	<u>Grout-in-place</u>		
Surface Completion	<u>Flush-mount</u>		
Well Material	<u>Schedule 40 PVC</u>		
Well Diameter	<u>1"</u>		
Additional Information	<u>Tremie grouted the entire well from bottom</u>		
	<u>to grade.</u>		
	<u></u>		
	<u></u>		
GROUTING			
Interval Grouted (FBLs)	<u>0'-17'</u>		
Number of Batches Prepared	<u>1</u>		
Quantity of Cement Used (lbs.)	<u>315</u>		
Cement Type	<u>Portland</u>		
Quantity of Bentonite Used (lbs.)	<u>15</u>		
Quantity of Calcium Chloride Used (lbs.)	<u>0</u>		
Volume of Grout Prepared (gal.)	<u>45</u>		
Volume of Grout Used (gal.)	<u>1.2</u>		
Comments:	<u>Well Construction section based on original Well</u>		
	<u>Construction Log</u>		
	<u></u>		
	<u></u>		
	<u></u>		
	<u></u>		
Prepared by	<u>Troy Platt/Doug Richmond</u>		
CWD #	<u>3032457 - Doug Richmond</u>		

Well Decommissioning Record



* Depth Below Land Surface

Project NYSEG-Court St **Well ID** PZ03-05C

Site Location Binghamton, NY

Driller D. Richmond

Inspector Troy Platt

Date 11/9/2021

Drilling Contractor Arcadis

NYRD# 11023

Decommissioning Method Grout-in-place

Surface Completion Flush-mount

Well Material Schedule 40 PVC

Well Diameter 1"

Additional Information Tremie grouted the entire well from bottom

to grade.

GROUTING

Interval Grouted (FBLs) 0'-28'

Number of Batches Prepared 1

Quantity of Cement Used (lbs.) 315

Cement Type Portland

Quantity of Bentonite Used (lbs.) 15

Quantity of Calcium Chloride Used (lbs.) 0

Volume of Grout Prepared (gal.) 45

Volume of Grout Used (gal.) 1.5

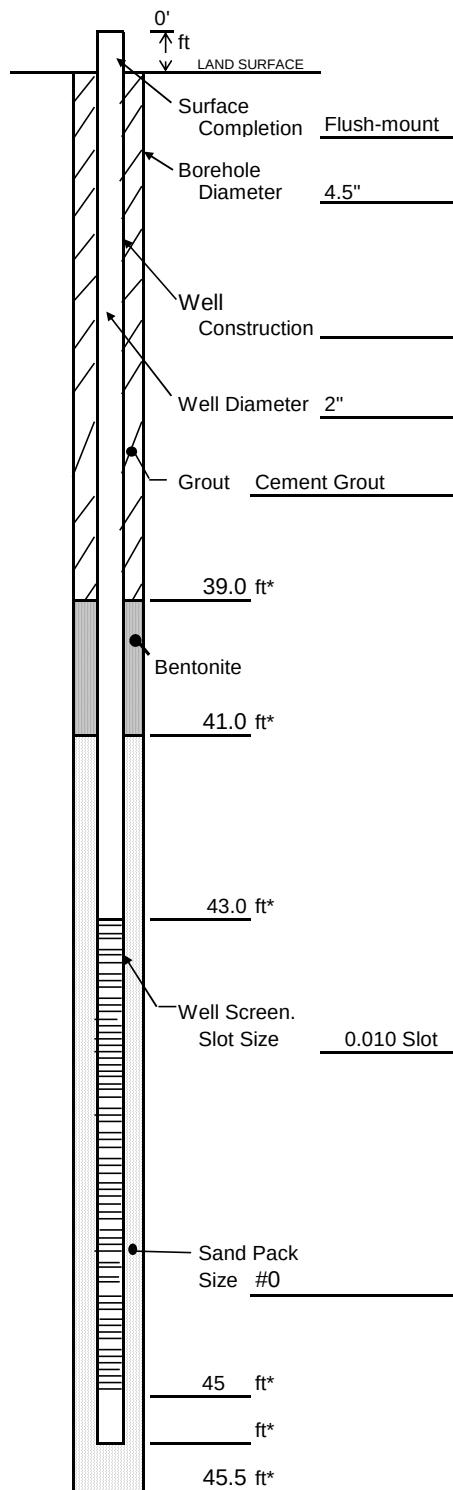
Comments: Well Construction section based on original Well

Construction Log

Prepared by Troy Platt/Doug Richmond

CWD # 3032457 - Doug Richmond

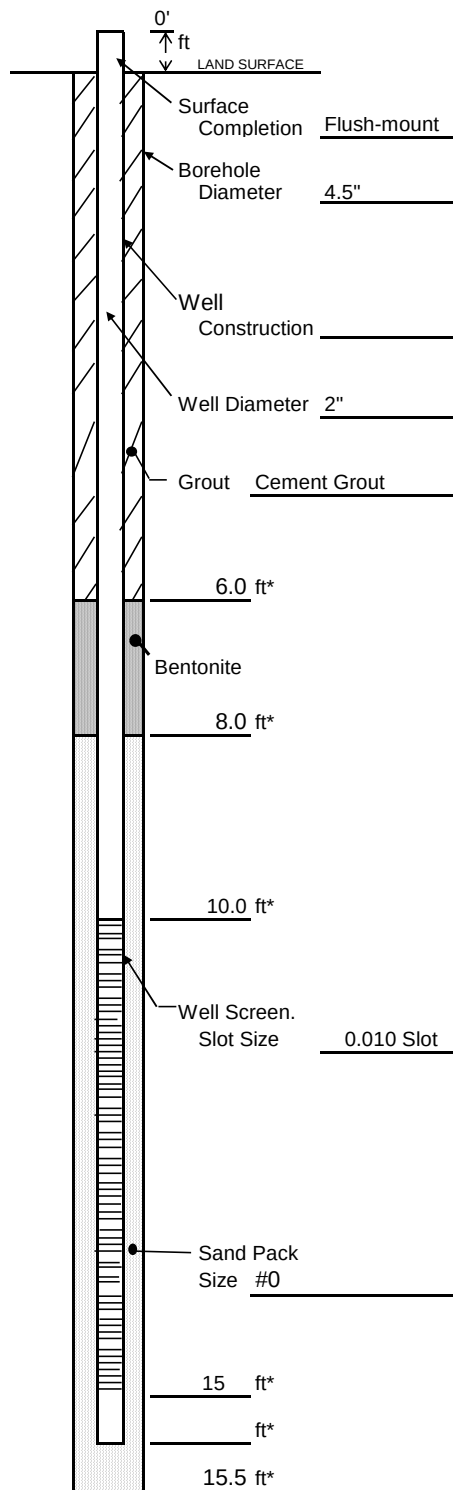
Well Decommissioning Record



* Depth Below Land Surface

Project	<u>NYSEG-Court St</u>	Well ID	<u>PZ03-05D</u>
Site Location	<u>Binghamton, NY</u>		
Driller	<u>D. Richmond</u>		
Inspector	<u>Troy Platt</u>		
Date	<u>11/9/2021</u>		
Drilling Contractor	<u>Arcadis</u>		
NYRD#	<u>11023</u>		
Decommissioning Method	<u>Grout-in-place</u>		
Surface Completion	<u>Flush-mount</u>		
Well Material	<u>Schedule 40 PVC</u>		
Well Diameter	<u>1"</u>		
Additional Information	<u>Tremie grouted the entire well from bottom</u>		
	<u>to grade.</u>		
	<u></u>		
	<u></u>		
GROUTING			
Interval Grouted (FBLs)	<u>0'-45'</u>		
Number of Batches Prepared	<u>1</u>		
Quantity of Cement Used (lbs.)	<u>315</u>		
Cement Type	<u>Portland</u>		
Quantity of Bentonite Used (lbs.)	<u>15</u>		
Quantity of Calcium Chloride Used (lbs.)	<u>0</u>		
Volume of Grout Prepared (gal.)	<u>45</u>		
Volume of Grout Used (gal.)	<u>3</u>		
Comments:	<u>Well Construction section based on original Well</u>		
	<u>Construction Log</u>		
	<u></u>		
	<u></u>		
	<u></u>		
	<u></u>		
Prepared by	<u>Troy Platt/Doug Richmond</u>		
CWD #	<u>3032457 - Doug Richmond</u>		

Well Decommissioning Record

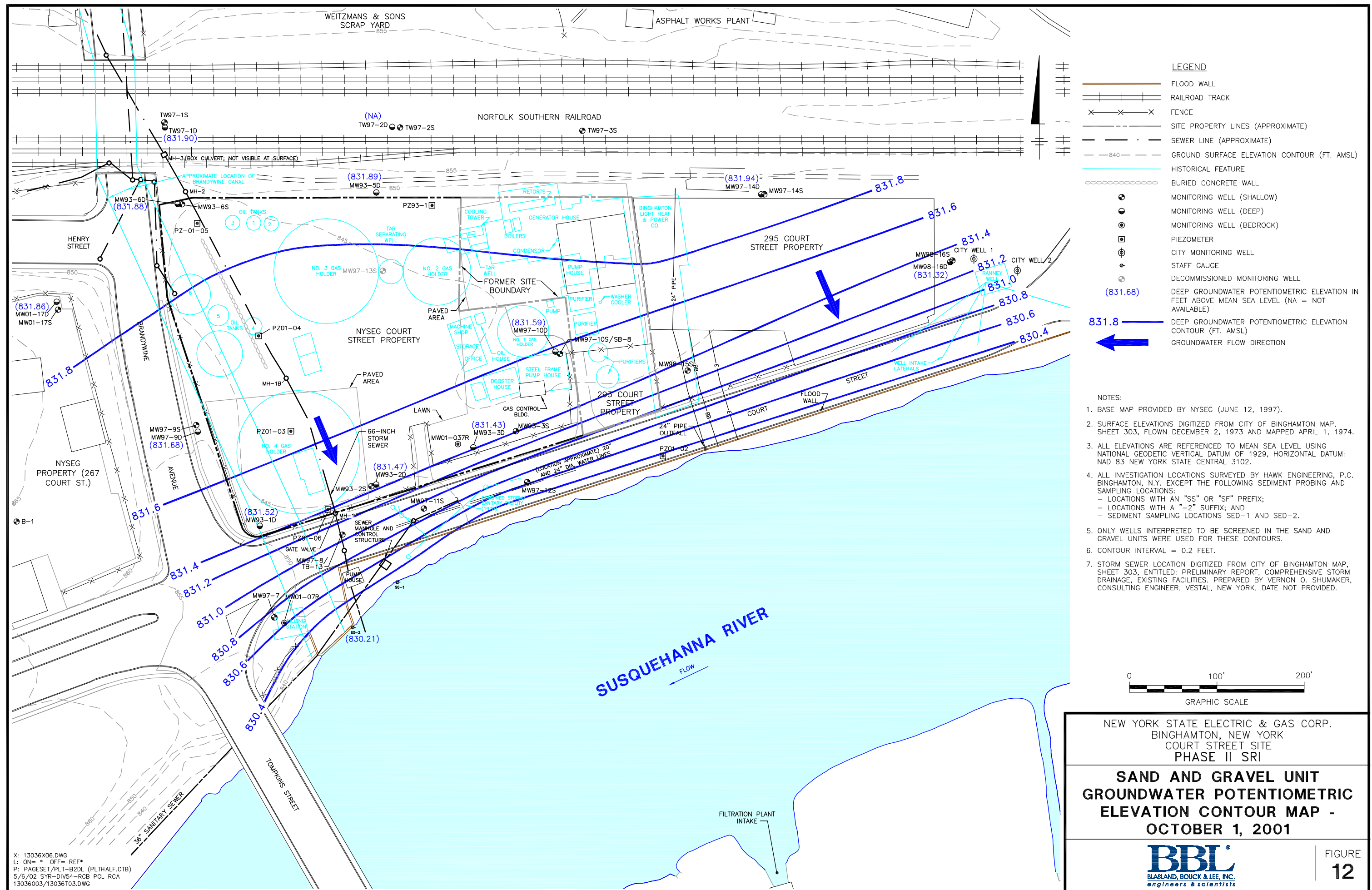


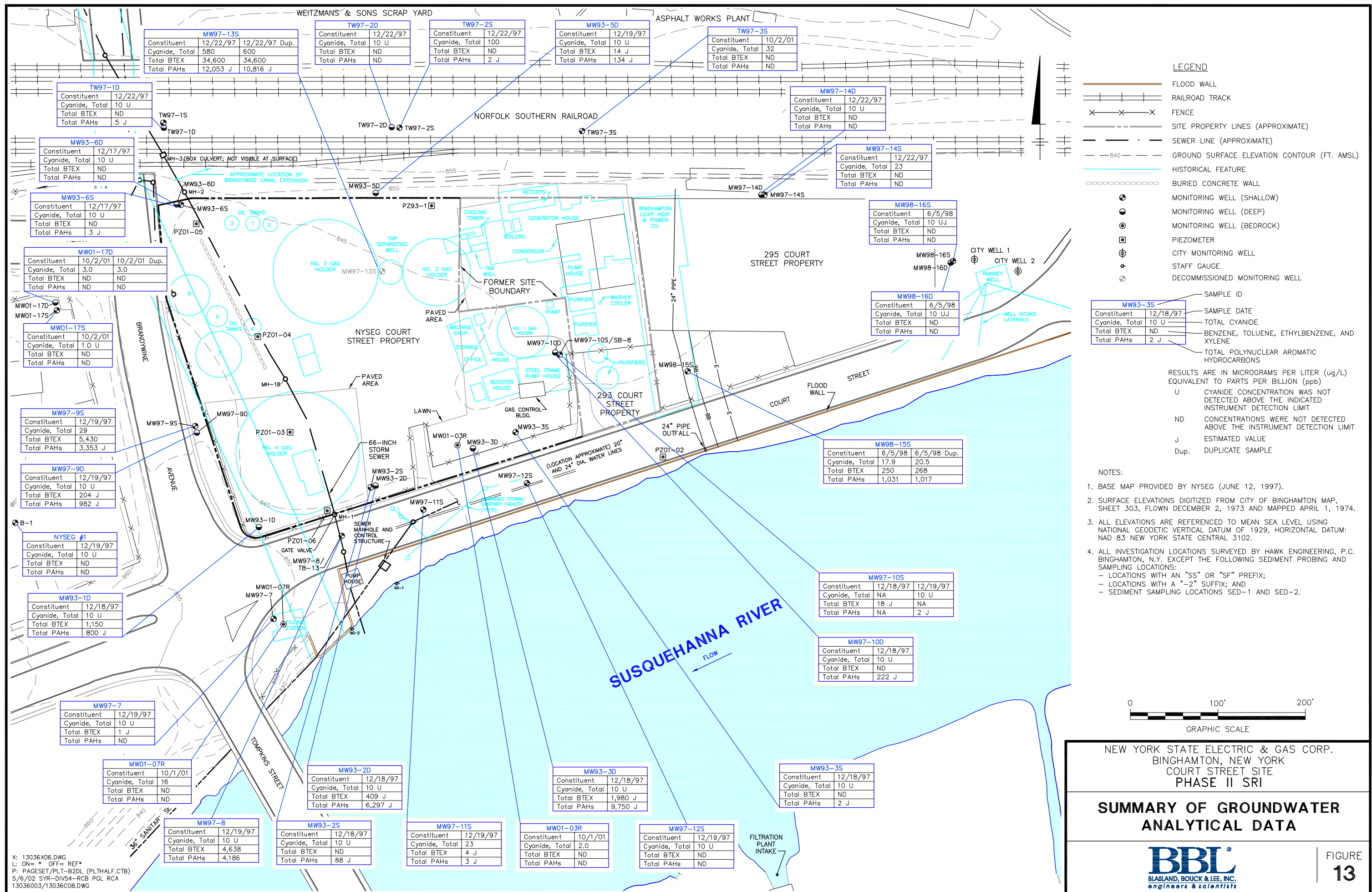
* Depth Below Land Surface

Project	<u>NYSEG-Court St</u>	Well ID	<u>PZ01-03</u>
Site Location	<u>Binghamton, NY</u>		
Driller	<u>D. Richmond</u>		
Inspector	<u>Troy Platt</u>		
Date	<u>11/9/2021</u>		
Drilling Contractor	<u>Arcadis</u>		
NYRD#	<u>11023</u>		
Decommissioning Method	<u>Grout-in-place</u>		
Surface Completion	<u>Flush-mount</u>		
Well Material	<u>Schedule 40 PVC</u>		
Well Diameter	<u>2"</u>		
Additional Information	<u>Tremie grouted the entire well from bottom</u>		
	<u>to grade.</u>		
	<u></u>		
	<u></u>		
GROUTING			
Interval Grouted (FBLs)	<u>0'-15'</u>		
Number of Batches Prepared	<u>1</u>		
Quantity of Cement Used (lbs.)	<u>315</u>		
Cement Type	<u>Portland</u>		
Quantity of Bentonite Used (lbs.)	<u>15</u>		
Quantity of Calcium Chloride Used (lbs.)	<u>0</u>		
Volume of Grout Prepared (gal.)	<u>45</u>		
Volume of Grout Used (gal.)	<u>3</u>		
Comments:	<u>Well Construction section based on original Well</u>		
	<u>Construction Log</u>		
	<u></u>		
	<u></u>		
	<u></u>		
	<u></u>		
Prepared by	<u>Troy Platt/Doug Richmond</u>		
CWD #	<u>3032457 - Doug Richmond</u>		

Attachment 4

Select RI Figures





Attachment 5

Groundwater Sampling Logs

LOW-FLOW GROUNDWATER SAMPLING FORM



Page 1 of 1

Project No. _____ Well ID MW97-7

Date 11/2/21

Project Name/Location NISE6 Court St. Binghamton, NY

Weather Sunny 40's

Measuring Pt. Description Top PVC Screen Setting (ft-bmp) 16-26 Casing Diameter (in.) 2"

Well Material ☒ PVC ☐ SS

Static Water Level (ft-bmp) 15.62 Total Depth (ft-bmp) 26.2 Water Column (ft) 10.58 Gallons in Well 1.7

MP Elevation _____ Pump Intake (ft-bmp) _____ Purge Method: Peristaltic Sample Method Low flow

Pump On/Off On Volumes Purged 2.6 Centrifugal ☐ Submersible ☐ Other ☐

Sample Time: Label 1150 Gallons Purged 4.5
Purge Start 1030
Purge End 1140

Replicate/Code No. _____ Sampled by TP

Time	Minutes Elapsed	Rate (gpm)/(mL/min) 200mL/min +	Depth to Water (ft) -0.3	Gallons Purged	pH ± 0.1	Cond. (µMhos)/(mS/cm) ± 3%	Turbidity (NTU) ± 10%	DO (mg/L) ± 10%	Temp. (°C)/(°F) ± 3%	Redox (mV) ± 10mV	Appearance	
											Color	Odor
<u>1050</u>												
<u>1055</u>	<u>5.00</u>	<u>350 mL/min</u>	<u>15.70</u>	<u>1.0</u>	<u>7.04</u>	<u>3.72</u>	<u>87.3</u>	<u>0.31</u>	<u>13.0</u>	<u>163</u>	<u>Clear</u>	<u>NA</u>
<u>1100</u>	<u>10.00</u>	<u>350 mL/min</u>	<u>15.70</u>	<u>1.4</u>	<u>6.93</u>	<u>3.65</u>	<u>120.4</u>	<u>0.91</u>	<u>13.3</u>	<u>169.7</u>	<u>Clear</u>	<u>NA</u>
<u>1105</u>	<u>15.00</u>	<u>350</u>	<u>15.7</u>	<u>1.6</u>	<u>6.90</u>	<u>3.85</u>	<u>140.</u>	<u>0.62</u>	<u>13.1</u>	<u>148.5</u>	<u>Clear</u>	<u>NA</u>
<u>1110</u>	<u>20.00</u>	<u>350</u>	<u>15.8</u>	<u>2.0</u>	<u>6.88</u>	<u>3.92</u>	<u>175</u>	<u>0.36</u>	<u>13.2</u>	<u>128.3</u>	<u>Clear</u>	<u>NA</u>
<u>1115</u>	<u>25</u>	<u>350</u>	<u>15.8</u>	<u>2.5</u>	<u>6.87</u>	<u>3.98</u>	<u>150</u>	<u>0.27</u>	<u>13.2</u>	<u>122.6</u>	<u>Clear</u>	<u>NA</u>
<u>1120</u>	<u>30</u>	<u>350</u>	<u>15.8</u>	<u>2.9</u>	<u>6.87</u>	<u>4.02</u>	<u>403</u>	<u>0.23</u>	<u>13.2</u>	<u>114.1</u>	<u>Clear</u>	<u>NA</u>
<u>1125</u>	<u>35</u>	<u>350</u>	<u>15.8</u>	<u>3.2</u>	<u>6.87</u>	<u>4.03</u>	<u>317</u>	<u>0.21</u>	<u>13.3</u>	<u>106.0</u>	<u>Clear</u>	<u>NA</u>
<u>1130</u>	<u>40</u>	<u>350</u>	<u>15.8</u>	<u>3.6</u>	<u>6.86</u>	<u>4.04</u>	<u>120</u>	<u>0.21</u>	<u>13.3</u>	<u>99.0</u>	<u>Clear</u>	<u>NA</u>
<u>1135</u>	<u>45</u>	<u>350</u>	<u>15.8</u>	<u>4.0</u>	<u>6.86</u>	<u>4.12</u>	<u>139</u>	<u>0.19</u>	<u>13.3</u>	<u>96.0</u>	<u>Clear</u>	<u>NA</u>
<u>1140</u>	<u>50</u>	<u>350</u>	<u>15.8</u>	<u>4.5</u>	<u>6.86</u>	<u>4.14</u>	<u>89.3</u>	<u>0.18</u>	<u>13.4</u>	<u>91.2</u>	<u>Clear</u>	<u>NA</u>
							<u>155</u>					
							<u>145</u>					
							<u>143</u>					
Stabilization Calculations (±)												
Stabilization Criteria					± 0.1 s.u.	± 3%	± 10% or within 1 NTU (1)	± 10%	± 3%	± 10 mV		

(1) Turbidity < 50 NTU and ± 10% or within 1 NTU of a previous reading when < 10 NTU

Constituents Sampled	Container	Number	Preservative

Comments _____

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: <u>Corner of Court St and Brandywine</u>	Well Locked at Arrival: <u>Yes</u> / No
Condition of Well: <u>Good</u>	Well Locked at Departure: <u>Yes</u> / No
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: <u>2587</u>

LOW FLOW GROUNDWATER SAMPLING FORM



Page 1 of 1

Project No. _____

Well ID MW01-175

Date 11/3/21

Project Name/Location NYSEG Court St. Binghamton

Weather Cloudy 40's

Measuring Pt. Description Top PVC

Screen Setting (ft-bmp) 27-37

Casing Diameter (in.) 2

Well Material ☒ PVC
☐ SS

Static Water Level (ft-bmp) 27.60

Total Depth (ft-bmp) 37.0

Water Column (ft) 9.40

Gallons in Well 1.5

MP Elevation _____

Pump Intake (ft-bmp) _____

Purge Method: _____

Sample Method Watera

Pump On/Off On

Volumes Purged 6

Centrifugal _____

Submersible _____

Other Watera

Sample Time: Label 1300

Gallons Purged 8.9

Replicate/Code No. _____

Sampled by TP

Purge Start 1120

Purge End 1250

Time	Minutes Elapsed	Rate (gpm)/(mL/min) 200mL/min *	Depth to Water (ft) -0.3	Gallons Purged	pH ±0.1	Cond. (µMhos)/(mS/cm) ±3%	Turbidity (NTU) ±10%	DO (mg/L) ±10%	Temp. (°C)/(°F) ±3%	Redox (mV) ±10mV	Appearance	
											Color	Odor
1125	5	400	27.60	0.1	7.27	2.81	OR	8.20	11.6	136.8	Cloudy	NA
1131	10	400	27.60	0.5	7.20	2.98	OR	7.11	11.6	136.9	Cloudy	NA
1135	15	400	27.59	0.9	7.16	2.94	OR	6.40	11.6	138.9	Cloudy	NA
1140	20	400	27.60	1.25	7.12	2.56	OR	5.65	12.6	139.5	Cloudy	NA
1150	30	400	27.60	2.5	7.15	1.95	OR	5.51	12.7	138.9	Cloudy	NA
1206	40	400	27.60	3.3	7.13	1.72	OR	5.36	12.3	140.2	Cloudy	NA
1210	50	400	27.60	4.2	7.15	1.59	OR	5.42	12.0	141.2	Cloudy	NA
1230	70	400	27.60	6.0	7.15	1.42	OR	5.42	12.1	145.0	Cloudy	NA
1250	90	400	27.60	8.9	7.14	1.32	OR	5.60	12.0	149.5	Cloudy	NA
Stabilization Calculations (±)												
Stabilization Criteria												
					± 0.1 s.u.	±3%	± 10% or within 1 NTU (*)	± 10%	±3%	±10 mV		

(1) Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative

Comments Turbidity never went down

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: <u>MM Maintenance Binghamton</u>	Well Locked at Arrival: <u>Yes</u> / No
Condition of Well: <u>Good</u>	Well Locked at Departure: <u>Yes</u> / No
Well Completion: <u>Flush Mount</u> / Stick Up	Key Number To Well: <u>2537</u>

OW Samp Form 10-19-2018

Attachment 6

Analytical Report

ANALYTICAL REPORT

Job Number: 480-191867-1

Job Description: NYSEG Groundwater Analysis - Binghamton,

For:

ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, NY 13202
Attention: Mr. Jason Golubski



Approved for release.
Rebecca M Jones
Project Management Assistant I
11/16/2021 4:55 PM

Designee for
John R Schove, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9838
John.Schove@Eurofinset.com
11/16/2021

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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

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

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive, Amherst, NY 14228-2298

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Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	6
Detection Summary	7
Method Summary	8
Client Sample Results	9
Surrogate Summary	13
QC Sample Results	14
Definitions	19
QC Association	20
Chronicle	22
Certification Summary	24
Organic Sample Data	25
GC/MS VOA	25
Method 8260C	25
Method 8260C QC Summary	26
Method 8260C Sample Data	35
Standards Data	54
Method 8260C ICAL Data	54
Method 8260C CCAL Data	237
Raw QC Data	251
Method 8260C Tune Data	251
Method 8260C Blank Data	259
Method 8260C LCS/LCSD Data	265
Method 8260C MS/MSD Data	270

Table of Contents

Method 8260C Run Logs	276
Method 8260C Prep Data	278
GC/MS Semi VOA	282
Method 8270D	282
Method 8270D QC Summary	283
Method 8270D Sample Data	300
Standards Data	334
Method 8270D ICAL Data	334
Method 8270D Resolution Data	675
Method 8270D CCAL Data	679
Raw QC Data	707
Method 8270D Tune Data	707
Method 8270D Blank Data	743
Method 8270D LCS/LCSD Data	752
Method 8270D MS/MSD Data	758
Method 8270D Run Logs	776
Method 8270D Prep Data	780
Inorganic Sample Data	782
General Chemistry Data	782
Gen Chem Cover Page	783
Gen Chem Sample Data	784
Gen Chem QC Data	788
Gen Chem ICV/CCV	788
Gen Chem Blanks	789
Gen Chem MS/MSD/PDS	790
Gen Chem LCS/LCSD	792

Table of Contents

Gen Chem MDL	793
Gen Chem Preparation Log	795
Gen Chem Analysis Run Log	796
Gen Chem Raw Data	797
Gen Chem Prep Data	803
Shipping and Receiving Documents	805
Client Chain of Custody	806
Sample Receipt Checklist	807

Job Narrative
480-191867-1

Comments

No additional comments.

Receipt

The samples were received on 11/4/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA

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

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described 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: ARCADIS U.S. Inc

Job ID: 480-191867-1

Project/Site: NYSEG Groundwater Analysis - Binghamton,

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-191867-1	MW97-7	Water	11/02/21 11:50	11/04/21 08:00
480-191867-2	PZ03-01D	Water	11/02/21 14:40	11/04/21 08:00
480-191867-3	FD11022021	Water	11/02/21 00:00	11/04/21 08:00
480-191867-4	MW01-17S	Water	11/03/21 13:00	11/04/21 08:00
480-191867-5	TRIP BLANK	Water	11/02/21 00:00	11/04/21 08:00

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: MW97-7

Lab Sample ID: 480-191867-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	1.5		1.0	0.41	ug/L			1	8260C	Total/NA
Acenaphthene	2.5	J	5.0	0.41	ug/L			1	8270D	Total/NA
Cyanide, Total	0.013	B	0.010	0.0050	mg/L			1	9012B	Total/NA

Client Sample ID: PZ03-01D

Lab Sample ID: 480-191867-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	43		1.0	0.41	ug/L			1	8260C	Total/NA
Acenaphthene	41		5.0	0.41	ug/L			1	8270D	Total/NA
Fluorene	5.4		5.0	0.36	ug/L			1	8270D	Total/NA
Naphthalene	1.4	J	5.0	0.76	ug/L			1	8270D	Total/NA
Phenanthrene	0.81	J	5.0	0.44	ug/L			1	8270D	Total/NA
Pyrene	0.62	J	5.0	0.34	ug/L			1	8270D	Total/NA
Cyanide, Total	0.015	B F1	0.010	0.0050	mg/L			1	9012B	Total/NA

Client Sample ID: FD11022021

Lab Sample ID: 480-191867-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	48		1.0	0.41	ug/L			1	8260C	Total/NA
Acenaphthene	47		5.0	0.41	ug/L			1	8270D	Total/NA
Fluorene	6.4		5.0	0.36	ug/L			1	8270D	Total/NA
Naphthalene	1.6	J	5.0	0.76	ug/L			1	8270D	Total/NA
Phenanthrene	1.0	J	5.0	0.44	ug/L			1	8270D	Total/NA
Pyrene	0.70	J	5.0	0.34	ug/L			1	8270D	Total/NA
Cyanide, Total	0.010	B	0.010	0.0050	mg/L			1	9012B	Total/NA

Client Sample ID: MW01-17S

Lab Sample ID: 480-191867-4

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-191867-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

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: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: MW97-7

Lab Sample ID: 480-191867-1

Date Collected: 11/02/21 11:50

Matrix: Water

Date Received: 11/04/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.5		1.0	0.41	ug/L			11/08/21 15:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 15:17	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 15:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					11/08/21 15:17	1
4-Bromofluorobenzene (Surr)	103		73 - 120					11/08/21 15:17	1
Dibromofluoromethane (Surr)	108		75 - 123					11/08/21 15:17	1
Toluene-d8 (Surr)	103		80 - 120					11/08/21 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.5	J	5.0	0.41	ug/L		11/05/21 07:11	11/13/21 06:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/05/21 07:11	11/13/21 06:53	1
Anthracene	ND		5.0	0.28	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/05/21 07:11	11/13/21 06:53	1
Chrysene	ND		5.0	0.33	ug/L		11/05/21 07:11	11/13/21 06:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/05/21 07:11	11/13/21 06:53	1
Fluoranthene	ND		5.0	0.40	ug/L		11/05/21 07:11	11/13/21 06:53	1
Fluorene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 06:53	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 06:53	1
Naphthalene	ND		5.0	0.76	ug/L		11/05/21 07:11	11/13/21 06:53	1
Phenanthrene	ND		5.0	0.44	ug/L		11/05/21 07:11	11/13/21 06:53	1
Pyrene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 06:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	106		48 - 120				11/05/21 07:11	11/13/21 06:53	1
Nitrobenzene-d5 (Surr)	94		46 - 120				11/05/21 07:11	11/13/21 06:53	1
p-Terphenyl-d14 (Surr)	84		60 - 148				11/05/21 07:11	11/13/21 06:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.013	B	0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:34	1

Client Sample ID: PZ03-01D

Lab Sample ID: 480-191867-2

Date Collected: 11/02/21 14:40

Matrix: Water

Date Received: 11/04/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	43		1.0	0.41	ug/L			11/08/21 15:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 15:40	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 15:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 15:40	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: PZ03-01D

Lab Sample ID: 480-191867-2

Date Collected: 11/02/21 14:40

Matrix: Water

Date Received: 11/04/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		11/08/21 15:40	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/08/21 15:40	1
Dibromofluoromethane (Surr)	103		75 - 123		11/08/21 15:40	1
Toluene-d8 (Surr)	101		80 - 120		11/08/21 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	41		5.0	0.41	ug/L		11/05/21 07:11	11/13/21 04:09	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/05/21 07:11	11/13/21 04:09	1
Anthracene	ND		5.0	0.28	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/05/21 07:11	11/13/21 04:09	1
Chrysene	ND		5.0	0.33	ug/L		11/05/21 07:11	11/13/21 04:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/05/21 07:11	11/13/21 04:09	1
Fluoranthene	ND		5.0	0.40	ug/L		11/05/21 07:11	11/13/21 04:09	1
Fluorene	5.4		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 04:09	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 04:09	1
Naphthalene	1.4	J	5.0	0.76	ug/L		11/05/21 07:11	11/13/21 04:09	1
Phenanthrene	0.81	J	5.0	0.44	ug/L		11/05/21 07:11	11/13/21 04:09	1
Pyrene	0.62	J	5.0	0.34	ug/L		11/05/21 07:11	11/13/21 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	110		48 - 120	11/05/21 07:11	11/13/21 04:09	1
Nitrobenzene-d5 (Surr)	96		46 - 120	11/05/21 07:11	11/13/21 04:09	1
p-Terphenyl-d14 (Surr)	92		60 - 148	11/05/21 07:11	11/13/21 04:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.015	B F1	0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:21	1

Client Sample ID: FD11022021

Lab Sample ID: 480-191867-3

Date Collected: 11/02/21 00:00

Matrix: Water

Date Received: 11/04/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	48		1.0	0.41	ug/L			11/08/21 16:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 16:03	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 16:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		77 - 120		11/08/21 16:03	1
4-Bromofluorobenzene (Surr)	102		73 - 120		11/08/21 16:03	1
Dibromofluoromethane (Surr)	104		75 - 123		11/08/21 16:03	1
Toluene-d8 (Surr)	102		80 - 120		11/08/21 16:03	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: FD11022021

Lab Sample ID: 480-191867-3

Date Collected: 11/02/21 00:00

Matrix: Water

Date Received: 11/04/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	47		5.0	0.41	ug/L		11/05/21 07:11	11/13/21 07:20	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/05/21 07:11	11/13/21 07:20	1
Anthracene	ND		5.0	0.28	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/05/21 07:11	11/13/21 07:20	1
Chrysene	ND		5.0	0.33	ug/L		11/05/21 07:11	11/13/21 07:20	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/05/21 07:11	11/13/21 07:20	1
Fluoranthene	ND		5.0	0.40	ug/L		11/05/21 07:11	11/13/21 07:20	1
Fluorene	6.4		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 07:20	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 07:20	1
Naphthalene	1.6	J	5.0	0.76	ug/L		11/05/21 07:11	11/13/21 07:20	1
Phenanthrene	1.0	J	5.0	0.44	ug/L		11/05/21 07:11	11/13/21 07:20	1
Pyrene	0.70	J	5.0	0.34	ug/L		11/05/21 07:11	11/13/21 07:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	111		48 - 120				11/05/21 07:11	11/13/21 07:20	1
Nitrobenzene-d5 (Surr)	98		46 - 120				11/05/21 07:11	11/13/21 07:20	1
p-Terphenyl-d14 (Surr)	84		60 - 148				11/05/21 07:11	11/13/21 07:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	B	0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:35	1

Client Sample ID: MW01-17S

Lab Sample ID: 480-191867-4

Date Collected: 11/03/21 13:00

Matrix: Water

Date Received: 11/04/21 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			11/08/21 16:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 16:26	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 16:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120					11/08/21 16:26	1
4-Bromofluorobenzene (Surr)	106		73 - 120					11/08/21 16:26	1
Dibromofluoromethane (Surr)	107		75 - 123					11/08/21 16:26	1
Toluene-d8 (Surr)	105		80 - 120					11/08/21 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2	0.43	ug/L		11/05/21 07:11	11/13/21 07:47	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/05/21 07:11	11/13/21 07:47	1
Anthracene	ND		5.2	0.29	ug/L		11/05/21 07:11	11/13/21 07:47	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/05/21 07:11	11/13/21 07:47	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/05/21 07:11	11/13/21 07:47	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/05/21 07:11	11/13/21 07:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: MW01-17S

Lab Sample ID: 480-191867-4

Date Collected: 11/03/21 13:00

Matrix: Water

Date Received: 11/04/21 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		5.2	0.36	ug/L		11/05/21 07:11	11/13/21 07:47	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/05/21 07:11	11/13/21 07:47	1
Chrysene	ND		5.2	0.34	ug/L		11/05/21 07:11	11/13/21 07:47	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/05/21 07:11	11/13/21 07:47	1
Fluoranthene	ND		5.2	0.42	ug/L		11/05/21 07:11	11/13/21 07:47	1
Fluorene	ND		5.2	0.38	ug/L		11/05/21 07:11	11/13/21 07:47	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/05/21 07:11	11/13/21 07:47	1
Naphthalene	ND		5.2	0.79	ug/L		11/05/21 07:11	11/13/21 07:47	1
Phenanthrene	ND		5.2	0.46	ug/L		11/05/21 07:11	11/13/21 07:47	1
Pyrene	ND		5.2	0.35	ug/L		11/05/21 07:11	11/13/21 07:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	114		48 - 120	11/05/21 07:11	11/13/21 07:47	1
Nitrobenzene-d5 (Surr)	101		46 - 120	11/05/21 07:11	11/13/21 07:47	1
p-Terphenyl-d14 (Surr)	79		60 - 148	11/05/21 07:11	11/13/21 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:36	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-191867-5

Date Collected: 11/02/21 00:00

Matrix: Water

Date Received: 11/04/21 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			11/08/21 16:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 16:49	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 16:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		11/08/21 16:49	1
4-Bromofluorobenzene (Surr)	106		73 - 120		11/08/21 16:49	1
Dibromofluoromethane (Surr)	111		75 - 123		11/08/21 16:49	1
Toluene-d8 (Surr)	105		80 - 120		11/08/21 16:49	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

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)
480-191867-1	MW97-7	107	103	108	103
480-191867-2	PZ03-01D	114	104	103	101
480-191867-2 MS	PZ03-01D	111	104	101	105
480-191867-2 MSD	PZ03-01D	117	103	108	101
480-191867-3	FD11022021	119	102	104	102
480-191867-4	MW01-17S	110	106	107	105
480-191867-5	TRIP BLANK	111	106	111	105
LCS 480-603824/5	Lab Control Sample	108	107	106	102
MB 480-603824/7	Method Blank	101	105	101	104

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)
480-191867-1	MW97-7	106	94	84
480-191867-2	PZ03-01D	110	96	92
480-191867-2 MS	PZ03-01D	103	102	65
480-191867-2 MSD	PZ03-01D	111	110	63
480-191867-3	FD11022021	111	98	84
480-191867-4	MW01-17S	114	101	79
LCS 480-603553/2-A	Lab Control Sample	113	94	107
MB 480-603553/1-A	Method Blank	103	81	108

Surrogate Legend

FBP = 2-Fluorobiphenyl

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

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

Lab Sample ID: MB 480-603824/7

Matrix: Water

Analysis Batch: 603824

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			11/08/21 12:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 12:21	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 12:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 12:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/08/21 12:21	1
4-Bromofluorobenzene (Surr)	105		73 - 120		11/08/21 12:21	1
Dibromofluoromethane (Surr)	101		75 - 123		11/08/21 12:21	1
Toluene-d8 (Surr)	104		80 - 120		11/08/21 12:21	1

Lab Sample ID: LCS 480-603824/5

Matrix: Water

Analysis Batch: 603824

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	25.5		ug/L		102	71 - 124
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
Toluene	25.0	25.3		ug/L		101	80 - 122
Xylenes, Total	50.0	51.3		ug/L		103	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	106		75 - 123
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 480-191867-2 MS

Matrix: Water

Analysis Batch: 603824

Client Sample ID: PZ03-01D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	43		25.0	66.9		ug/L		97	71 - 124
Ethylbenzene	ND		25.0	23.8		ug/L		95	77 - 123
Toluene	ND		25.0	24.5		ug/L		98	80 - 122
Xylenes, Total	ND		50.0	47.7		ug/L		95	76 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123
Toluene-d8 (Surr)	105		80 - 120

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

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

Lab Sample ID: 480-191867-2 MSD

Matrix: Water

Analysis Batch: 603824

Client Sample ID: PZ03-01D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	43		25.0	72.7		ug/L		120	71 - 124	8	13
Ethylbenzene	ND		25.0	26.7		ug/L		107	77 - 123	12	15
Toluene	ND		25.0	25.9		ug/L		104	80 - 122	6	15
Xylenes, Total	ND		50.0	52.7		ug/L		105	76 - 122	10	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	108		75 - 123
Toluene-d8 (Surr)	101		80 - 120

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

Lab Sample ID: MB 480-603553/1-A

Matrix: Water

Analysis Batch: 604439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 603553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/05/21 07:11	11/11/21 19:57	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/05/21 07:11	11/11/21 19:57	1
Anthracene	ND		5.0	0.28	ug/L		11/05/21 07:11	11/11/21 19:57	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/11/21 19:57	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/11/21 19:57	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/11/21 19:57	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/05/21 07:11	11/11/21 19:57	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/05/21 07:11	11/11/21 19:57	1
Chrysene	ND		5.0	0.33	ug/L		11/05/21 07:11	11/11/21 19:57	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/05/21 07:11	11/11/21 19:57	1
Fluoranthene	ND		5.0	0.40	ug/L		11/05/21 07:11	11/11/21 19:57	1
Fluorene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/11/21 19:57	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/11/21 19:57	1
Naphthalene	ND		5.0	0.76	ug/L		11/05/21 07:11	11/11/21 19:57	1
Phenanthrene	ND		5.0	0.44	ug/L		11/05/21 07:11	11/11/21 19:57	1
Pyrene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/11/21 19:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	103		48 - 120	11/05/21 07:11	11/11/21 19:57	1
Nitrobenzene-d5 (Surr)	81		46 - 120	11/05/21 07:11	11/11/21 19:57	1
p-Terphenyl-d14 (Surr)	108		60 - 148	11/05/21 07:11	11/11/21 19:57	1

Lab Sample ID: LCS 480-603553/2-A

Matrix: Water

Analysis Batch: 604439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 603553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	33.5		ug/L		105	60 - 120
Acenaphthylene	32.0	34.5		ug/L		108	63 - 120
Anthracene	32.0	35.1		ug/L		110	67 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

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

Lab Sample ID: LCS 480-603553/2-A

Matrix: Water

Analysis Batch: 604439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 603553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	32.0	33.9		ug/L		106	70 - 121
Benzo[a]pyrene	32.0	32.1		ug/L		100	60 - 123
Benzo[b]fluoranthene	32.0	32.6		ug/L		102	66 - 126
Benzo[g,h,i]perylene	32.0	33.6		ug/L		105	66 - 150
Benzo[k]fluoranthene	32.0	31.4		ug/L		98	65 - 124
Chrysene	32.0	33.3		ug/L		104	69 - 120
Dibenz(a,h)anthracene	32.0	31.1		ug/L		97	65 - 135
Fluoranthene	32.0	39.2		ug/L		122	69 - 126
Fluorene	32.0	36.5		ug/L		114	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	31.2		ug/L		97	69 - 146
Naphthalene	32.0	31.7		ug/L		99	57 - 120
Phenanthrene	32.0	34.4		ug/L		107	68 - 120
Pyrene	32.0	33.2		ug/L		104	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	113		48 - 120
Nitrobenzene-d5 (Surr)	94		46 - 120
p-Terphenyl-d14 (Surr)	107		60 - 148

Lab Sample ID: 480-191867-2 MS

Matrix: Water

Analysis Batch: 604662

Client Sample ID: PZ03-01D

Prep Type: Total/NA

Prep Batch: 603553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	41		32.0	72.6	E	ug/L		98	48 - 120
Acenaphthylene	ND		32.0	34.3		ug/L		107	63 - 120
Anthracene	ND		32.0	34.5		ug/L		108	65 - 122
Benzo[a]anthracene	ND		32.0	23.2		ug/L		72	43 - 124
Benzo[a]pyrene	ND		32.0	19.3		ug/L		60	23 - 125
Benzo[b]fluoranthene	ND		32.0	19.6		ug/L		61	27 - 127
Benzo[g,h,i]perylene	ND		32.0	18.9		ug/L		59	16 - 147
Benzo[k]fluoranthene	ND		32.0	18.1		ug/L		57	20 - 124
Chrysene	ND		32.0	22.7		ug/L		71	44 - 122
Dibenz(a,h)anthracene	ND		32.0	18.6		ug/L		58	16 - 139
Fluoranthene	ND		32.0	32.7		ug/L		102	63 - 129
Fluorene	5.4		32.0	40.3		ug/L		109	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	18.4		ug/L		58	16 - 140
Naphthalene	1.4	J	32.0	32.4		ug/L		97	45 - 120
Phenanthrene	0.81	J	32.0	34.1		ug/L		104	65 - 122
Pyrene	0.62	J	32.0	32.4		ug/L		99	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	103		48 - 120
Nitrobenzene-d5 (Surr)	102		46 - 120
p-Terphenyl-d14 (Surr)	65		60 - 148

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

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

Lab Sample ID: 480-191867-2 MSD

Matrix: Water

Analysis Batch: 604662

Client Sample ID: PZ03-01D

Prep Type: Total/NA

Prep Batch: 603553

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	41		32.0	78.0	E	ug/L		115	48 - 120	7	24
Acenaphthylene	ND		32.0	36.7		ug/L		115	63 - 120	7	18
Anthracene	ND		32.0	35.3		ug/L		110	65 - 122	2	15
Benzo[a]anthracene	ND		32.0	23.7		ug/L		74	43 - 124	2	15
Benzo[a]pyrene	ND		32.0	19.0		ug/L		59	23 - 125	2	15
Benzo[b]fluoranthene	ND		32.0	19.4		ug/L		61	27 - 127	1	15
Benzo[g,h,i]perylene	ND		32.0	18.5		ug/L		58	16 - 147	2	15
Benzo[k]fluoranthene	ND		32.0	17.7		ug/L		55	20 - 124	3	22
Chrysene	ND		32.0	22.2		ug/L		70	44 - 122	2	15
Dibenz(a,h)anthracene	ND		32.0	18.3		ug/L		57	16 - 139	2	15
Fluoranthene	ND		32.0	33.9		ug/L		106	63 - 129	4	15
Fluorene	5.4		32.0	43.5		ug/L		119	62 - 120	8	15
Indeno[1,2,3-cd]pyrene	ND		32.0	18.1		ug/L		57	16 - 140	2	15
Naphthalene	1.4	J	32.0	34.9		ug/L		105	45 - 120	7	29
Phenanthrene	0.81	J	32.0	36.0		ug/L		110	65 - 122	6	15
Pyrene	0.62	J	32.0	34.2		ug/L		105	58 - 128	5	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	111		48 - 120
Nitrobenzene-d5 (Surr)	110		46 - 120
p-Terphenyl-d14 (Surr)	63		60 - 148

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

Lab Sample ID: MB 480-604979/1-A

Matrix: Water

Analysis Batch: 605025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 604979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00840	J	0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:16	1

Lab Sample ID: LCS 480-604979/2-A

Matrix: Water

Analysis Batch: 605025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 604979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.240		mg/L		96	90 - 110

Lab Sample ID: 480-191867-2 MS

Matrix: Water

Analysis Batch: 605025

Client Sample ID: PZ03-01D

Prep Type: Total/NA

Prep Batch: 604979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.015	B F1	0.100	0.104	F1	mg/L		89	90 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

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

Lab Sample ID: 480-191867-2 MSD

Matrix: Water

Analysis Batch: 605025

Client Sample ID: PZ03-01D

Prep Type: Total/NA

Prep Batch: 604979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.015	B F1	0.100	0.104	F1	mg/L		89	90 - 110	0	15

Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Qualifiers

GC/MS Semi VOA

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

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
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.
▫	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: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

GC/MS VOA

Analysis Batch: 603824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191867-1	MW97-7	Total/NA	Water	8260C	
480-191867-2	PZ03-01D	Total/NA	Water	8260C	
480-191867-3	FD11022021	Total/NA	Water	8260C	
480-191867-4	MW01-17S	Total/NA	Water	8260C	
480-191867-5	TRIP BLANK	Total/NA	Water	8260C	
MB 480-603824/7	Method Blank	Total/NA	Water	8260C	
LCS 480-603824/5	Lab Control Sample	Total/NA	Water	8260C	
480-191867-2 MS	PZ03-01D	Total/NA	Water	8260C	
480-191867-2 MSD	PZ03-01D	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 603553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191867-1	MW97-7	Total/NA	Water	3510C	
480-191867-2	PZ03-01D	Total/NA	Water	3510C	
480-191867-3	FD11022021	Total/NA	Water	3510C	
480-191867-4	MW01-17S	Total/NA	Water	3510C	
MB 480-603553/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-603553/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-191867-2 MS	PZ03-01D	Total/NA	Water	3510C	
480-191867-2 MSD	PZ03-01D	Total/NA	Water	3510C	

Analysis Batch: 604439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-603553/1-A	Method Blank	Total/NA	Water	8270D	603553
LCS 480-603553/2-A	Lab Control Sample	Total/NA	Water	8270D	603553

Analysis Batch: 604662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191867-1	MW97-7	Total/NA	Water	8270D	603553
480-191867-2	PZ03-01D	Total/NA	Water	8270D	603553
480-191867-3	FD11022021	Total/NA	Water	8270D	603553
480-191867-4	MW01-17S	Total/NA	Water	8270D	603553
480-191867-2 MS	PZ03-01D	Total/NA	Water	8270D	603553
480-191867-2 MSD	PZ03-01D	Total/NA	Water	8270D	603553

General Chemistry

Prep Batch: 604979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191867-1	MW97-7	Total/NA	Water	9012B	
480-191867-2	PZ03-01D	Total/NA	Water	9012B	
480-191867-3	FD11022021	Total/NA	Water	9012B	
480-191867-4	MW01-17S	Total/NA	Water	9012B	
MB 480-604979/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-604979/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-191867-2 MS	PZ03-01D	Total/NA	Water	9012B	
480-191867-2 MSD	PZ03-01D	Total/NA	Water	9012B	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

General Chemistry

Analysis Batch: 605025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191867-1	MW97-7	Total/NA	Water	9012B	604979
480-191867-2	PZ03-01D	Total/NA	Water	9012B	604979
480-191867-3	FD11022021	Total/NA	Water	9012B	604979
480-191867-4	MW01-17S	Total/NA	Water	9012B	604979
MB 480-604979/1-A	Method Blank	Total/NA	Water	9012B	604979
LCS 480-604979/2-A	Lab Control Sample	Total/NA	Water	9012B	604979
480-191867-2 MS	PZ03-01D	Total/NA	Water	9012B	604979
480-191867-2 MSD	PZ03-01D	Total/NA	Water	9012B	604979

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: MW97-7

Lab Sample ID: 480-191867-1

Date Collected: 11/02/21 11:50

Matrix: Water

Date Received: 11/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	603824	11/08/21 15:17	CRL	TAL BUF
Total/NA	Prep	3510C			603553	11/05/21 07:11	SMP	TAL BUF
Total/NA	Analysis	8270D		1	604662	11/13/21 06:53	JMM	TAL BUF
Total/NA	Prep	9012B			604979	11/15/21 11:35	RJM	TAL BUF
Total/NA	Analysis	9012B		1	605025	11/15/21 14:34	CLT	TAL BUF

Client Sample ID: PZ03-01D

Lab Sample ID: 480-191867-2

Date Collected: 11/02/21 14:40

Matrix: Water

Date Received: 11/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	603824	11/08/21 15:40	CRL	TAL BUF
Total/NA	Prep	3510C			603553	11/05/21 07:11	SMP	TAL BUF
Total/NA	Analysis	8270D		1	604662	11/13/21 04:09	JMM	TAL BUF
Total/NA	Prep	9012B			604979	11/15/21 11:35	RJM	TAL BUF
Total/NA	Analysis	9012B		1	605025	11/15/21 14:21	CLT	TAL BUF

Client Sample ID: FD11022021

Lab Sample ID: 480-191867-3

Date Collected: 11/02/21 00:00

Matrix: Water

Date Received: 11/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	603824	11/08/21 16:03	CRL	TAL BUF
Total/NA	Prep	3510C			603553	11/05/21 07:11	SMP	TAL BUF
Total/NA	Analysis	8270D		1	604662	11/13/21 07:20	JMM	TAL BUF
Total/NA	Prep	9012B			604979	11/15/21 11:35	RJM	TAL BUF
Total/NA	Analysis	9012B		1	605025	11/15/21 14:35	CLT	TAL BUF

Client Sample ID: MW01-17S

Lab Sample ID: 480-191867-4

Date Collected: 11/03/21 13:00

Matrix: Water

Date Received: 11/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	603824	11/08/21 16:26	CRL	TAL BUF
Total/NA	Prep	3510C			603553	11/05/21 07:11	SMP	TAL BUF
Total/NA	Analysis	8270D		1	604662	11/13/21 07:47	JMM	TAL BUF
Total/NA	Prep	9012B			604979	11/15/21 11:35	RJM	TAL BUF
Total/NA	Analysis	9012B		1	605025	11/15/21 14:36	CLT	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-191867-5

Date Collected: 11/02/21 00:00

Matrix: Water

Date Received: 11/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	603824	11/08/21 16:49	CRL	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: ARCADIS U.S. Inc

Job ID: 480-191867-1

Project/Site: NYSEG Groundwater Analysis - Binghamton,

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

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.: 480-191867-1
 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 #
MW97-7	480-191867-1	108	107	103	103
PZ03-01D	480-191867-2	103	114	101	104
FD11022021	480-191867-3	104	119	102	102
MW01-17S	480-191867-4	107	110	105	106
TRIP BLANK	480-191867-5	111	111	105	106
	MB 480-603824/7	101	101	104	105
	LCS 480-603824/5	106	108	102	107
PZ03-01D MS	480-191867-2 MS	101	111	105	104
PZ03-01D MSD	480-191867-2 MSD	108	117	101	103

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	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.: 480-191867-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: S5897.D

Lab ID: LCS 480-603824/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	25.5	102	71-124	
Ethylbenzene	25.0	26.2	105	77-123	
Toluene	25.0	25.3	101	80-122	
Xylenes, Total	50.0	51.3	103	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.: 480-191867-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: S5921.D

Lab ID: 480-191867-2 MS Client ID: PZ03-01D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	25.0	43	66.9	97	71-124	
Ethylbenzene	25.0	ND	23.8	95	77-123	
Toluene	25.0	ND	24.5	98	80-122	
Xylenes, Total	50.0	ND	47.7	95	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.: 480-191867-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: S5922.D

Lab ID: 480-191867-2 MSD Client ID: PZ03-01D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	25.0	72.7	120	8	13	71-124	
Ethylbenzene	25.0	26.7	107	12	15	77-123	
Toluene	25.0	25.9	104	6	15	80-122	
Xylenes, Total	50.0	52.7	105	10	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.: 480-191867-1
SDG No.: _____
Lab File ID: S5899.D Lab Sample ID: MB 480-603824/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 11/08/2021 12:21
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 480-603824/5	S5897.D	11/08/2021 11:34
MW97-7	480-191867-1	S5906.D	11/08/2021 15:17
PZ03-01D	480-191867-2	S5907.D	11/08/2021 15:40
FD11022021	480-191867-3	S5908.D	11/08/2021 16:03
MW01-17S	480-191867-4	S5909.D	11/08/2021 16:26
TRIP BLANK	480-191867-5	S5910.D	11/08/2021 16:49
PZ03-01D MS	480-191867-2 MS	S5921.D	11/08/2021 21:05
PZ03-01D MSD	480-191867-2 MSD	S5922.D	11/08/2021 21:28

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab File ID: S5628.D BFB Injection Date: 11/02/2021
 Instrument ID: HP5973S BFB Injection Time: 15:12
 Analysis Batch No.: 603077

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.3
75	30.0 - 60.0 % of mass 95	48.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	76.6
175	5.0 - 9.0 % of mass 174	6.3 (8.2) 1
176	95.0 - 101.0 % of mass 174	72.9 (95.2) 1
177	5.0 - 9.0 % of mass 176	4.5 (6.2) 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 480-603077/4	S5630.D	11/02/2021	16:02
	IC 480-603077/5	S5631.D	11/02/2021	16:25
	IC 480-603077/6	S5632.D	11/02/2021	16:49
	IC 480-603077/7	S5633.D	11/02/2021	17:12
	IC 480-603077/8	S5634.D	11/02/2021	17:36
	ICIS 480-603077/9	S5635.D	11/02/2021	17:59
	IC 480-603077/10	S5636.D	11/02/2021	18:22
	IC 480-603077/11	S5637.D	11/02/2021	18:45
	ICV 480-603077/25	S5651.D	11/03/2021	0:10

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
SDG No.: _____
Lab File ID: S5894.D BFB Injection Date: 11/08/2021
Instrument ID: HP5973S BFB Injection Time: 10:21
Analysis Batch No.: 603824

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.1
75	30.0 - 60.0 % of mass 95	50.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	76.2
175	5.0 - 9.0 % of mass 174	6.4 (8.4) 1
176	95.0 - 101.0 % of mass 174	73.3 (96.1) 1
177	5.0 - 9.0 % of mass 176	5.1 (7.0) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-603824/3	S5895.D	11/08/2021	10:47
	LCS 480-603824/5	S5897.D	11/08/2021	11:34
	MB 480-603824/7	S5899.D	11/08/2021	12:21
MW97-7	480-191867-1	S5906.D	11/08/2021	15:17
PZ03-01D	480-191867-2	S5907.D	11/08/2021	15:40
FD11022021	480-191867-3	S5908.D	11/08/2021	16:03
MW01-17S	480-191867-4	S5909.D	11/08/2021	16:26
TRIP BLANK	480-191867-5	S5910.D	11/08/2021	16:49
PZ03-01D MS	480-191867-2 MS	S5921.D	11/08/2021	21:05
PZ03-01D MSD	480-191867-2 MSD	S5922.D	11/08/2021	21:28

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Sample No.: ICIS 480-603077/9 Date Analyzed: 11/02/2021 17:59
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S5635.D Heated Purge: (Y/N) N
 Calibration ID: 42657

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		179339	5.00	359302	7.96	326530	10.39
UPPER LIMIT		358678	5.50	718604	8.46	653060	10.89
LOWER LIMIT		89670	4.50	179651	7.46	163265	9.89
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 480-603077/25		185235	4.99	365627	7.96	333746	10.40
CCVIS 480-603824/3		152463	5.00	332767	7.96	310637	10.40

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.: 480-191867-1
 SDG No.: _____
 Sample No.: CCVIS 480-603824/3 Date Analyzed: 11/08/2021 10:47
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S5895.D Heated Purge: (Y/N) N
 Calibration ID: 42660

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	152463	5.00	332767	7.96	310637	10.40	
UPPER LIMIT	304926	5.50	665534	8.46	621274	10.90	
LOWER LIMIT	76232	4.50	166384	7.46	155319	9.90	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-603824/5		154034	5.00	333655	7.96	308086	10.40
MB 480-603824/7		161253	5.00	325188	7.96	300907	10.40
480-191867-1	MW97-7	153503	5.00	309127	7.96	280656	10.40
480-191867-2	PZ03-01D	154738	5.00	333058	7.96	304552	10.40
480-191867-3	FD11022021	153969	5.00	325073	7.96	293190	10.39
480-191867-4	MW01-17S	153016	5.00	319318	7.96	291742	10.39
480-191867-5	TRIP BLANK	148824	4.99	316286	7.96	285549	10.39
480-191867-2 MS	PZ03-01D MS	157380	4.99	328858	7.96	305490	10.39
480-191867-2 MSD	PZ03-01D MSD	152478	5.00	332201	7.96	298281	10.39

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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: MW97-7 Lab Sample ID: 480-191867-1
 Matrix: Water Lab File ID: S5906.D
 Analysis Method: 8260C Date Collected: 11/02/2021 11:50
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 15:17
 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.: 603824 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.5		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)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5906.D
 Lims ID: 480-191867-E-1
 Client ID: MW97-7
 Sample Type: Client
 Inject. Date: 08-Nov-2021 15:17:30 ALS Bottle#: 14 Worklist Smp#: 38
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-191867-E-1
 Misc. Info.: 480-0102234-038
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Nov-2021 08:54:05 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: lapointec

Date: 09-Nov-2021 08:54:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.993	0.006	98	153503	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	87	309127	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.389	0.006	95	280656	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.433	4.433	0.006	54	207416	27.1	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.725	4.725	0.000	91	144121	26.7	
\$ 5 Toluene-d8 (Surr)	98	6.490	6.496	-0.006	86	819686	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.215	0.006	86	243151	25.6	
57 Benzene	78	4.725	4.726	-0.001	51	64543	1.53	
74 Toluene	92		6.557				ND	U
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.211				ND	
91 o-Xylene	106		8.631				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00352 Amount Added: 1.00 Units: uL Run Reagent
 S_8260_Surr_00407 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5906.D

Injection Date: 08-Nov-2021 15:17:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: 480-191867-E-1

Lab Sample ID: 480-191867-1

Worklist Smp#: 38

Client ID: MW97-7

Purge Vol: 5.000 mL

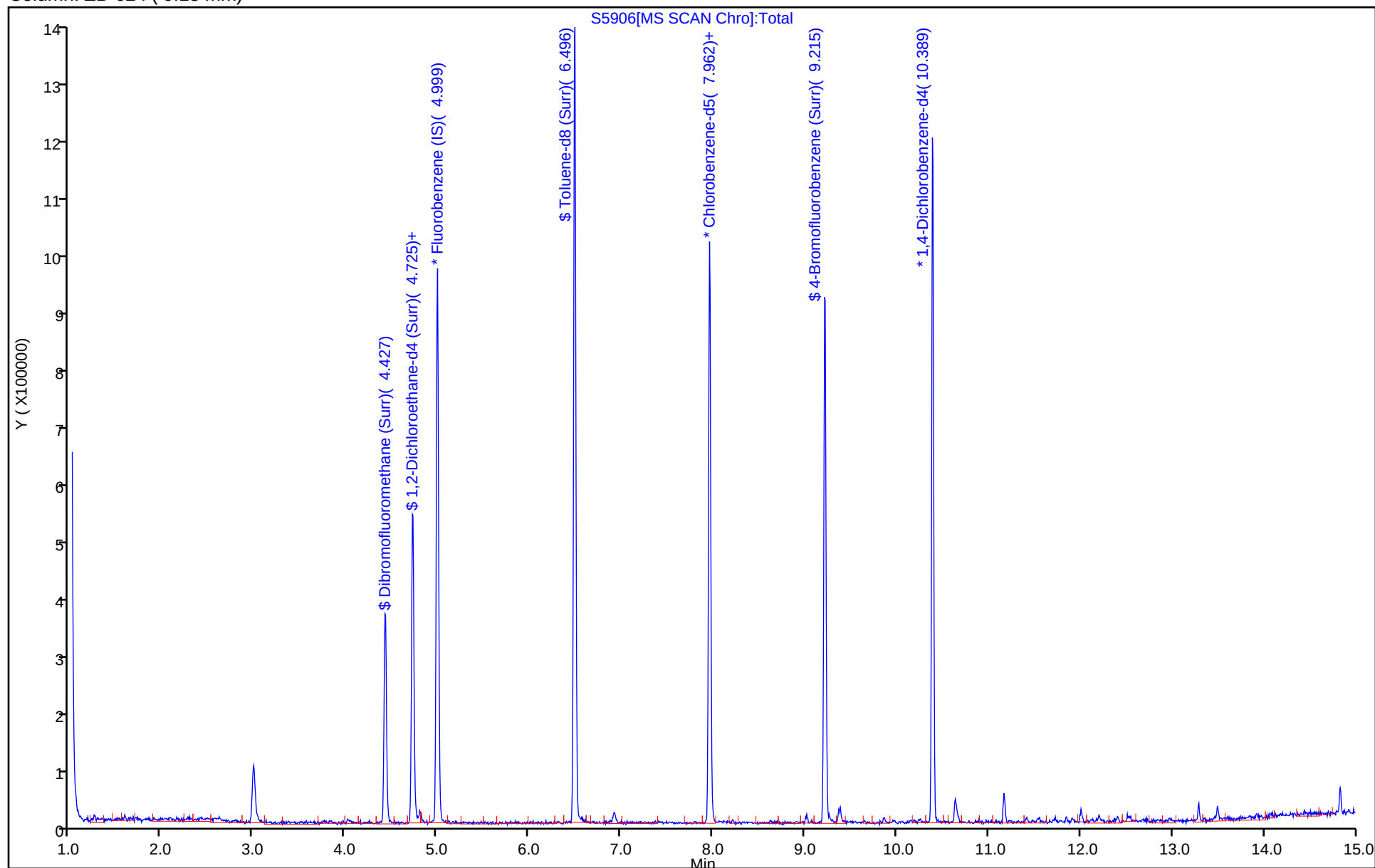
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5906.D

Injection Date: 08-Nov-2021 15:17:30

Instrument ID: HP5973S

Lims ID: 480-191867-E-1

Lab Sample ID: 480-191867-1

Client ID: MW97-7

Operator ID: AG/WD

ALS Bottle#: 14

Worklist Smp#: 38

Purge Vol: 5.000 mL

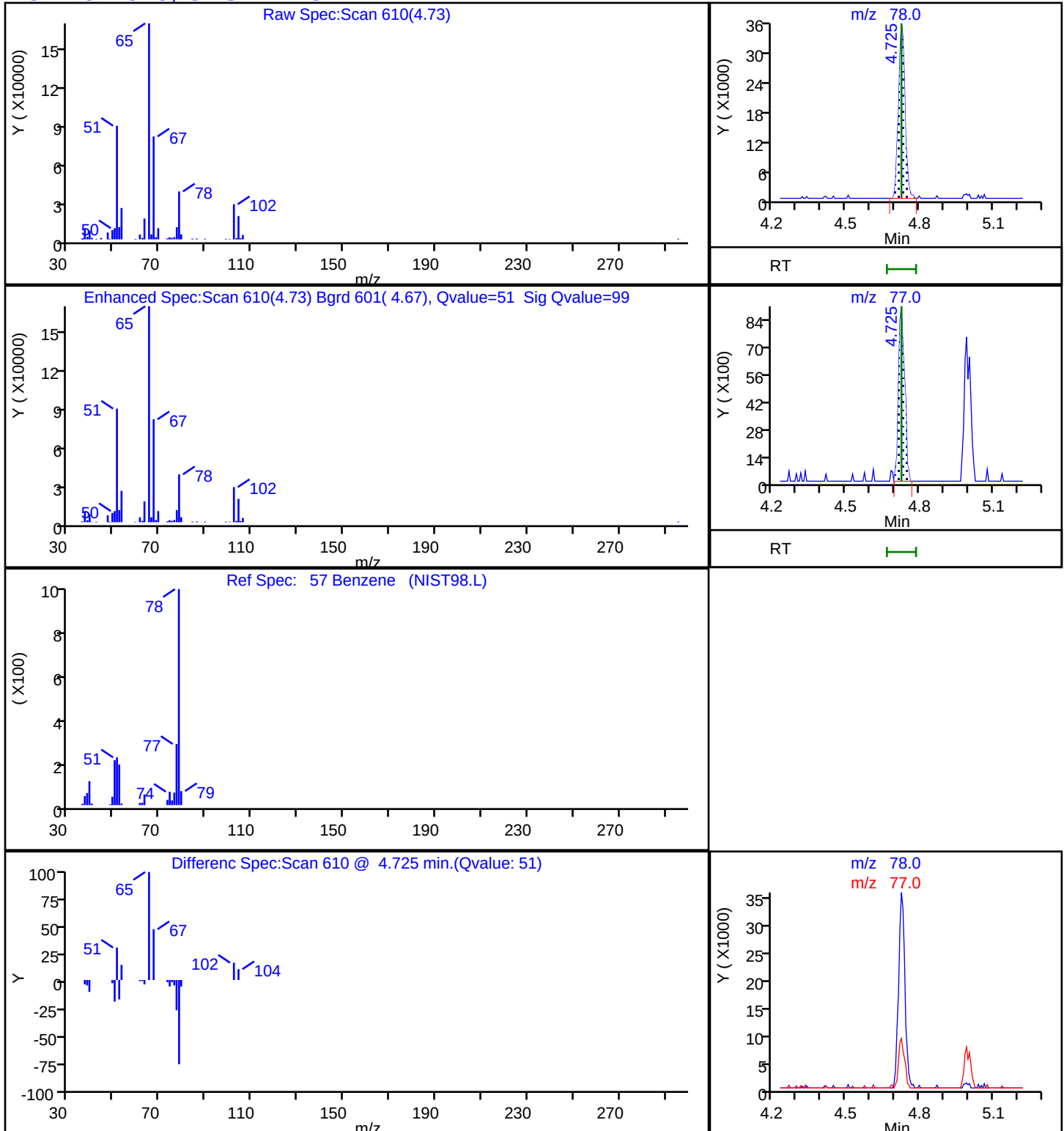
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5906.D

Injection Date: 08-Nov-2021 15:17:30

Instrument ID: HP5973S

Lims ID: 480-191867-E-1

Lab Sample ID: 480-191867-1

Client ID: MW97-7

Operator ID: AG/WD

ALS Bottle#: 14 Worklist Smp#: 38

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

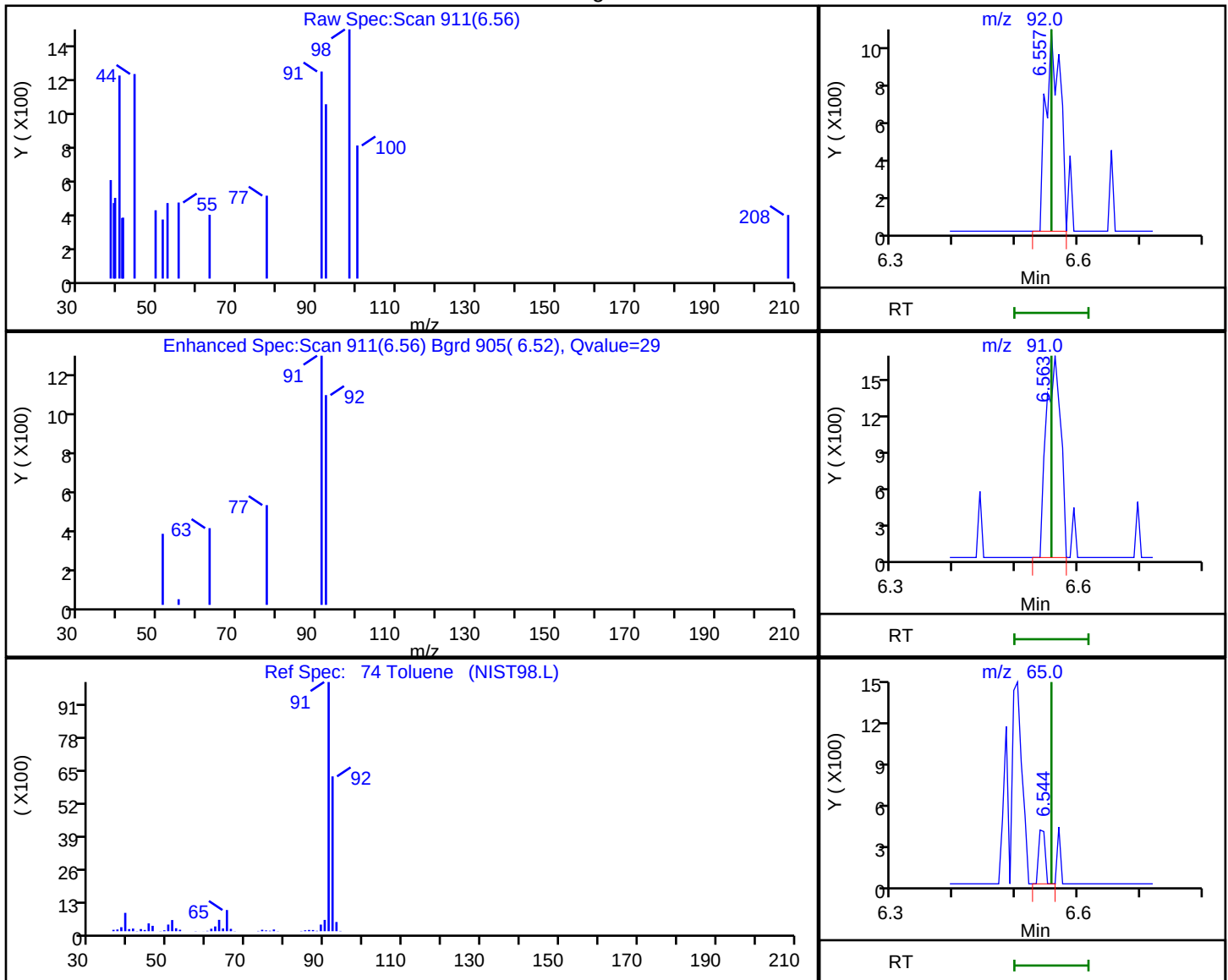
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

74 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.56	92.00	1674	0.064940
6.56	91.00	2595	
6.54	65.00	281	

Reviewer: lapointec, 09-Nov-2021 08:53:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Client Sample ID: PZ03-01D Lab Sample ID: 480-191867-2
 Matrix: Water Lab File ID: S5907.D
 Analysis Method: 8260C Date Collected: 11/02/2021 14:40
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 15:40
 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.: 603824 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	43		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)	114		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5907.D
 Lims ID: 480-191867-E-2
 Client ID: PZ03-01D
 Sample Type: Client
 Inject. Date: 08-Nov-2021 15:40:30 ALS Bottle#: 15 Worklist Smp#: 39
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-191867-E-2
 Misc. Info.: 480-0102234-039
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Nov-2021 08:54:05 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: lapointec

Date: 09-Nov-2021 08:54:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.993	0.006	97	154738	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	88	333058	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.389	0.006	95	304552	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.433	0.000	55	198710	25.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.725	0.006	44	154264	28.4	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	94	864936	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.215	0.006	89	265452	26.0	
57 Benzene	78	4.725	4.726	-0.001	97	1819437	42.7	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91	8.090	8.090	0.000	33	7586	0.1440	
90 m-Xylene & p-Xylene	106	8.205	8.211	-0.006	69	7386	0.3568	
91 o-Xylene	106	8.625	8.631	-0.006	50	5792	0.2826	
S 124 Xylenes, Total	1				0		0.6395	

QC Flag Legend

Processing Flags

Reagents:

S_8260_IS_00352 Amount Added: 1.00 Units: uL Run Reagent
 S_8260_Surr_00407 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5907.D

Injection Date: 08-Nov-2021 15:40:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: 480-191867-E-2

Lab Sample ID: 480-191867-2

Worklist Smp#: 39

Client ID: PZ03-01D

Purge Vol: 5.000 mL

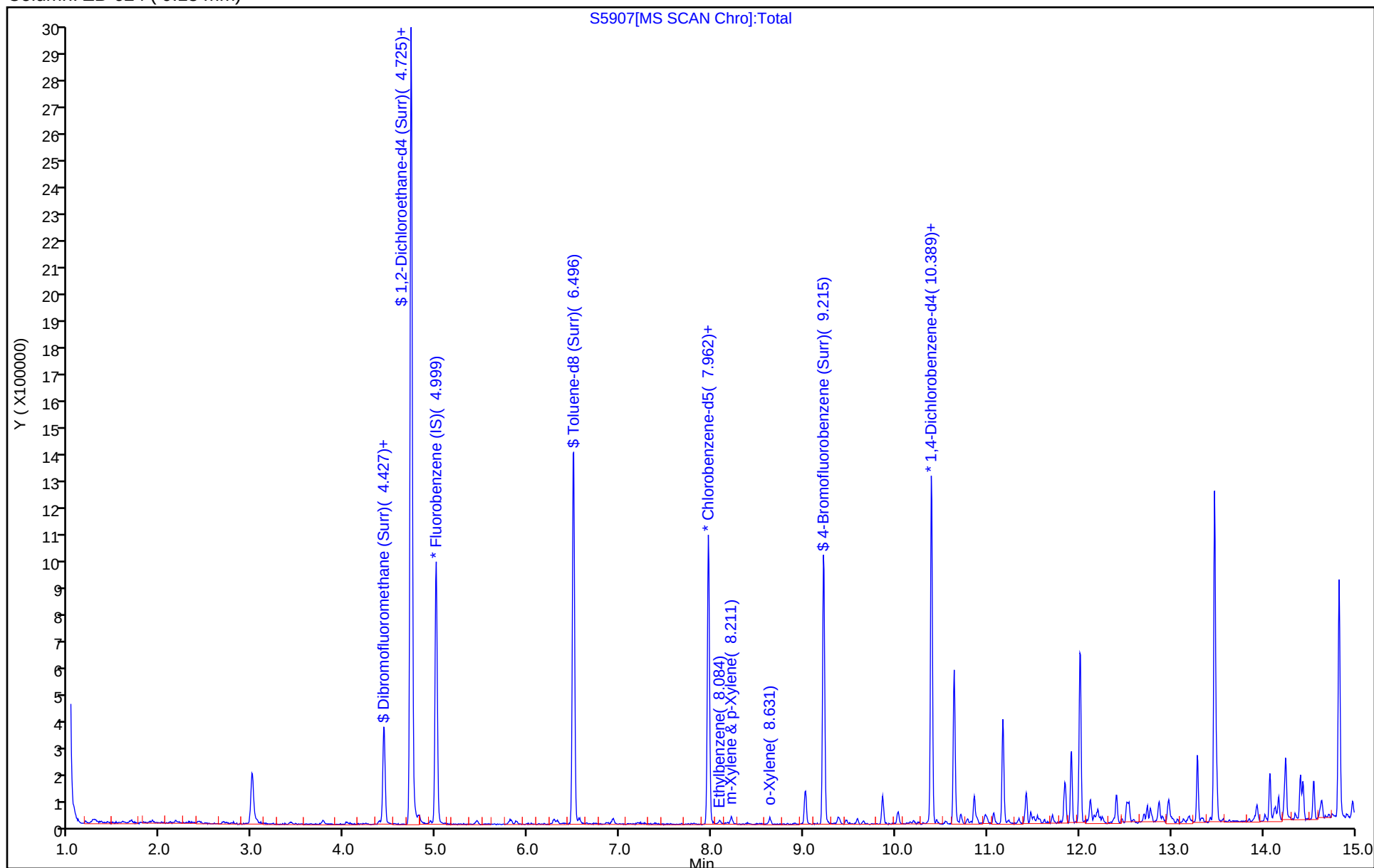
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5907.D

Injection Date: 08-Nov-2021 15:40:30

Instrument ID: HP5973S

Lims ID: 480-191867-E-2

Lab Sample ID: 480-191867-2

Client ID: PZ03-01D

Operator ID: AG/WD

ALS Bottle#: 15

Worklist Smp#: 39

Purge Vol: 5.000 mL

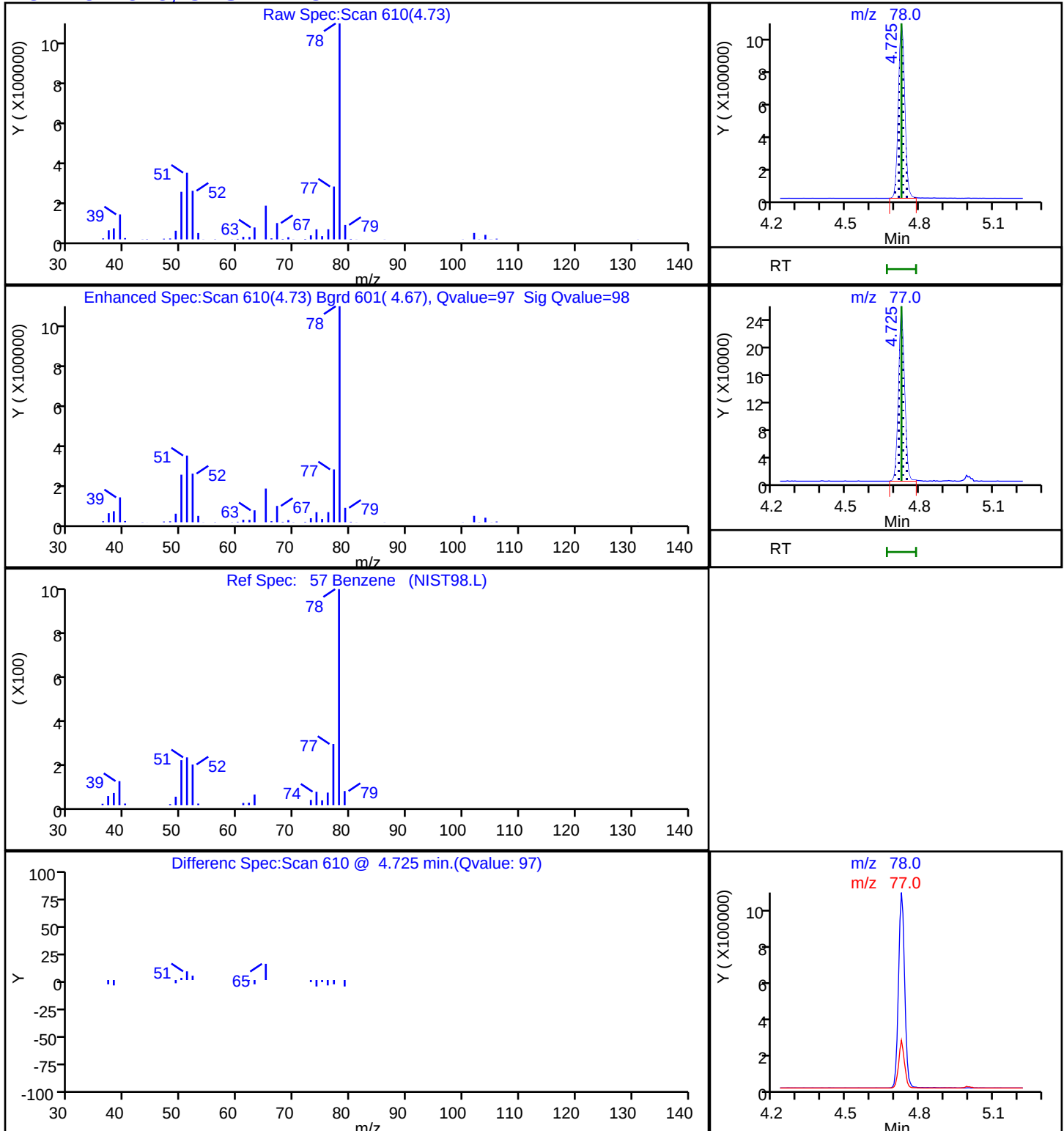
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Client Sample ID: FD11022021 Lab Sample ID: 480-191867-3
 Matrix: Water Lab File ID: S5908.D
 Analysis Method: 8260C Date Collected: 11/02/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 16:03
 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.: 603824 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	48		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)	119		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5908.D
 Lims ID: 480-191867-E-3
 Client ID: FD11022021
 Sample Type: Client
 Inject. Date: 08-Nov-2021 16:03:30 ALS Bottle#: 16 Worklist Smp#: 40
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-191867-E-3
 Misc. Info.: 480-0102234-040
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Nov-2021 08:54:48 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: lapointec

Date: 09-Nov-2021 08:54:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.993	0.006	98	153969	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	89	325073	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.389	10.389	0.000	96	293190	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.433	0.000	65	199102	25.9	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.725	4.725	0.000	41	160958	29.8	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	85	852014	25.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.215	0.006	88	253614	25.4	
57 Benzene	78	4.725	4.726	-0.001	97	2050654	48.3	
74 Toluene	92		6.557				ND	U
88 Ethylbenzene	91	8.090	8.090	0.000	55	8480	0.1650	
90 m-Xylene & p-Xylene	106	8.217	8.211	0.006	75	9437	0.4671	
91 o-Xylene	106	8.637	8.631	0.006	63	6604	0.3302	
S 124 Xylenes, Total	1				0		0.7973	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00352 Amount Added: 1.00 Units: uL Run Reagent
 S_8260_Surr_00407 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5908.D

Injection Date: 08-Nov-2021 16:03:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: 480-191867-E-3

Lab Sample ID: 480-191867-3

Worklist Smp#: 40

Client ID: FD11022021

Purge Vol: 5.000 mL

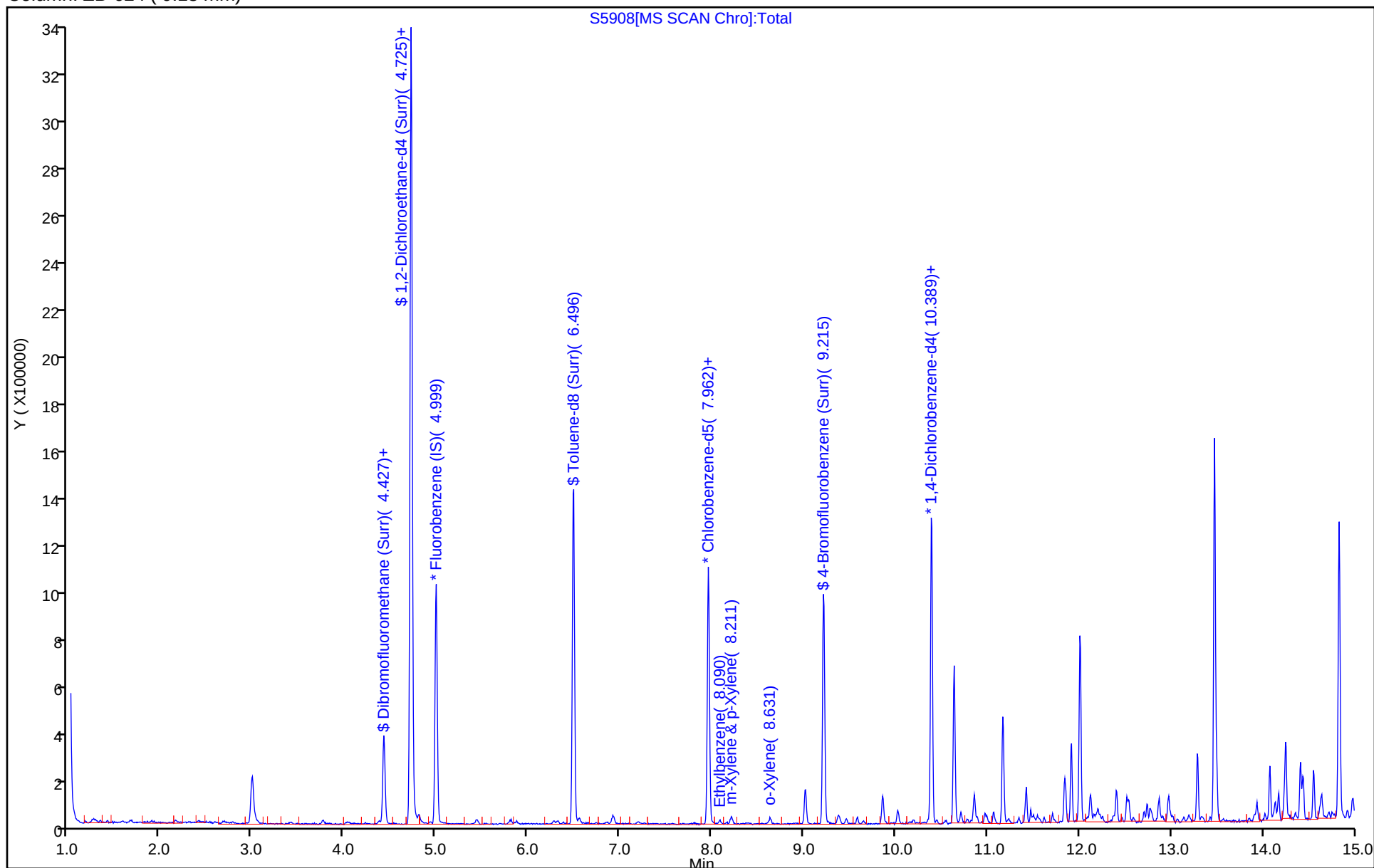
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5908.D

Injection Date: 08-Nov-2021 16:03:30

Instrument ID: HP5973S

Lims ID: 480-191867-E-3

Lab Sample ID: 480-191867-3

Client ID: FD11022021

Operator ID: AG/WD

ALS Bottle#: 16

Worklist Smp#: 40

Purge Vol: 5.000 mL

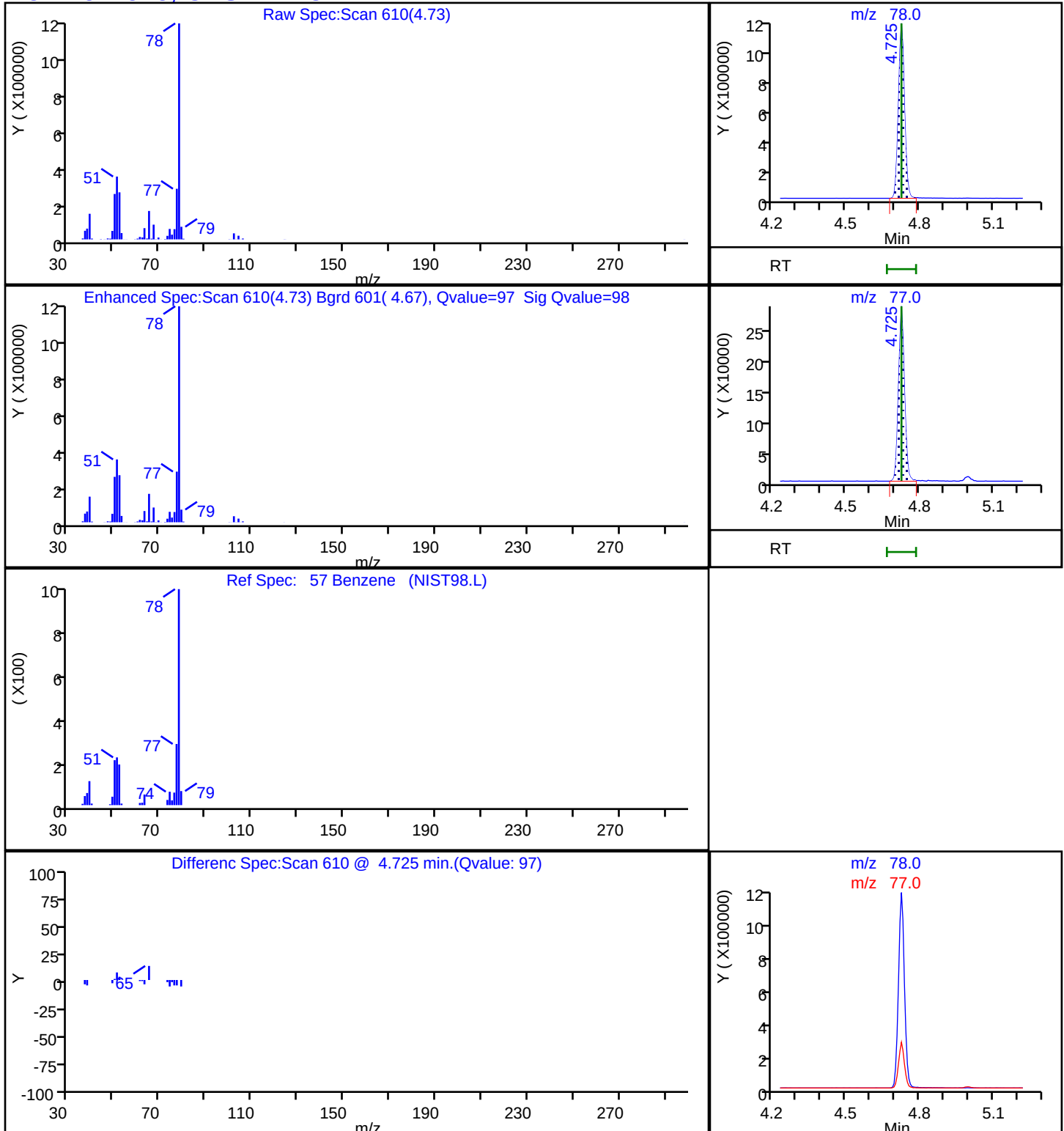
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Client Sample ID: MW01-17S Lab Sample ID: 480-191867-4
 Matrix: Water Lab File ID: S5909.D
 Analysis Method: 8260C Date Collected: 11/03/2021 13:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 16:26
 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.: 603824 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)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5909.D
 Lims ID: 480-191867-E-4
 Client ID: MW01-17S
 Sample Type: Client
 Inject. Date: 08-Nov-2021 16:26:30 ALS Bottle#: 17 Worklist Smp#: 41
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-191867-E-4
 Misc. Info.: 480-0102234-041
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Nov-2021 08:54:48 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: lapointec

Date: 09-Nov-2021 08:55:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.993	0.006	98	153016	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	89	319318	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.389	10.389	0.000	97	291742	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.428	4.433	0.001	67	203365	26.7	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.725	0.007	89	147781	27.5	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	85	862103	26.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.215	0.006	87	258863	26.4	
57 Benzene	78		4.726				ND	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.211				ND	
91 o-Xylene	106		8.631				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

S_8260_IS_00352	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5909.D

Injection Date: 08-Nov-2021 16:26:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: 480-191867-E-4

Lab Sample ID: 480-191867-4

Worklist Smp#: 41

Client ID: MW01-17S

Purge Vol: 5.000 mL

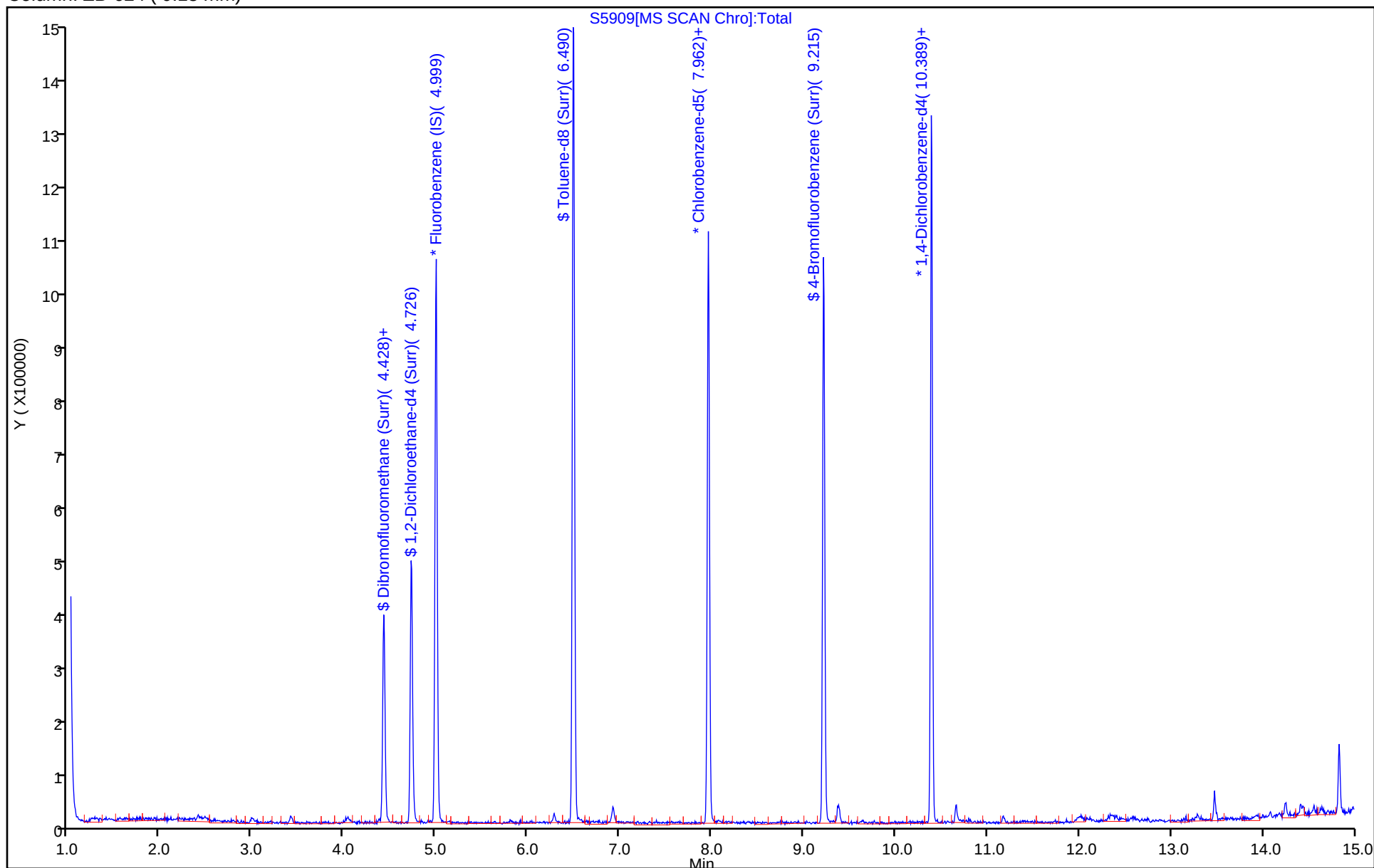
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: S-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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 480-191867-5
 Matrix: Water Lab File ID: S5910.D
 Analysis Method: 8260C Date Collected: 11/02/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 16:49
 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.: 603824 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)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5910.D
 Lims ID: 480-191867-A-5
 Client ID: TRIP BLANK
 Sample Type: Client
 Inject. Date: 08-Nov-2021 16:49:30 ALS Bottle#: 18 Worklist Smp#: 42
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-191867-A-5
 Misc. Info.: 480-0102234-042
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Nov-2021 08:54:48 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: lapointec

Date: 09-Nov-2021 08:55:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.993	4.993	0.000	97	148824	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	90	316286	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.389	10.389	0.000	97	285549	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.433	0.000	55	205163	27.7	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.725	0.007	92	144886	27.7	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	94	855368	26.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.215	0.006	88	257598	26.5	
57 Benzene	78		4.726				ND	
74 Toluene	92		6.557				ND	
88 Ethylbenzene	91		8.090				ND	
90 m-Xylene & p-Xylene	106		8.211				ND	
91 o-Xylene	106		8.631				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

S_8260_IS_00352	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5910.D

Injection Date: 08-Nov-2021 16:49:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: 480-191867-A-5

Lab Sample ID: 480-191867-5

Worklist Smp#: 42

Client ID: TRIP BLANK

Purge Vol: 5.000 mL

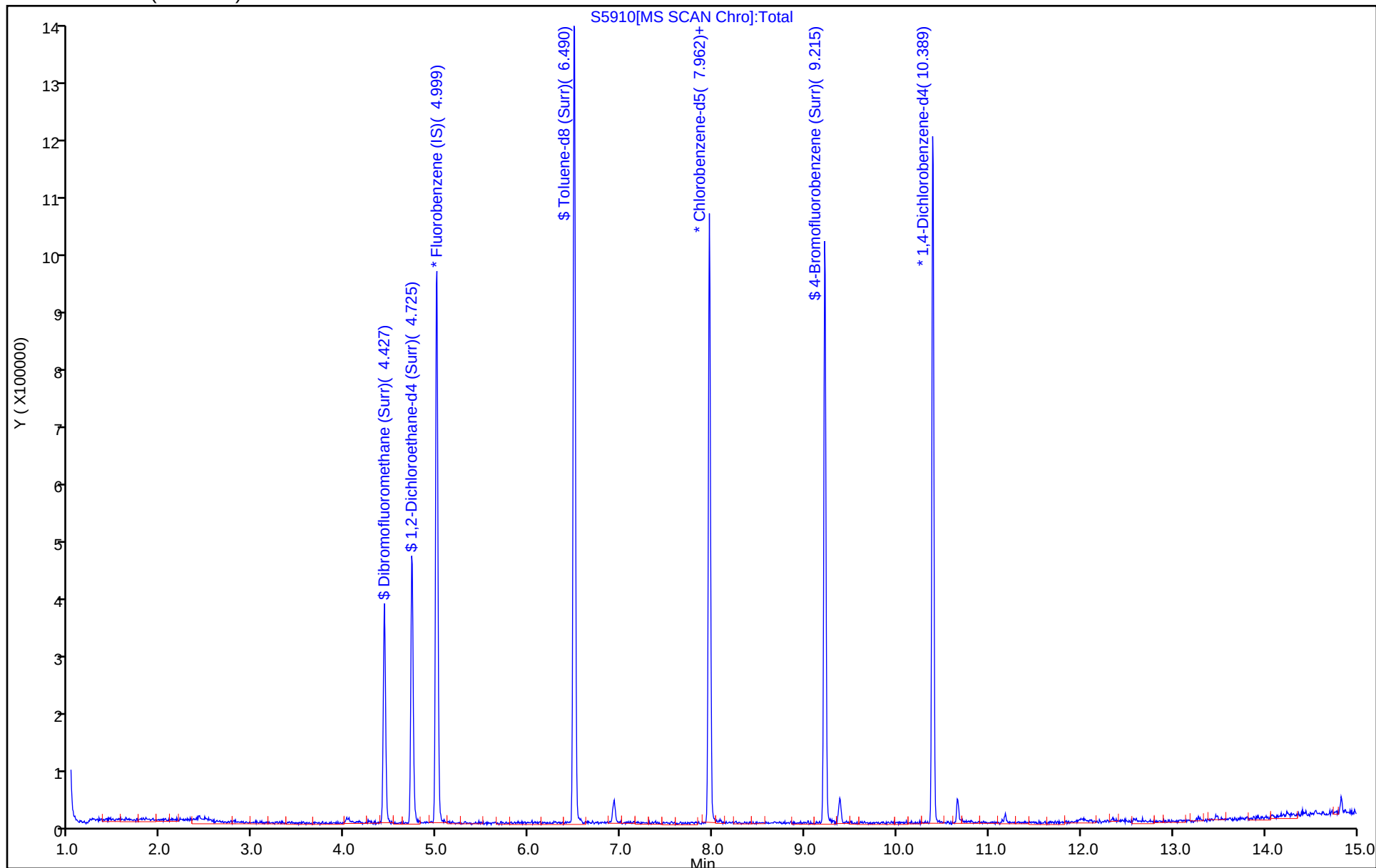
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: S-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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-603077/4	S5630.D
Level 2	IC 480-603077/5	S5631.D
Level 3	IC 480-603077/6	S5632.D
Level 4	IC 480-603077/7	S5633.D
Level 5	IC 480-603077/8	S5634.D
Level 6	ICIS 480-603077/9	S5635.D
Level 7	IC 480-603077/10	S5636.D
Level 8	IC 480-603077/11	S5637.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	1.4571 1.5103	1.3719 1.5482	1.5726 1.5121	1.4428	1.4016	Ave		1.477 1			0.1000	4.8		20.0			
Chloromethane	2.4482 2.5968	3.0866 2.4470	2.8487 2.5004	2.6617	2.5323	Ave		2.640 2			0.1000	8.5		20.0			
Vinyl chloride	1.9045 2.3007	2.2808 2.2650	2.3396 2.2202	2.2641	2.1618	Ave		2.217 1			0.1000	6.2		20.0			
Butadiene	3.1040 2.7031	2.8044 2.6063	2.9293 2.6022	2.8513	2.6380	Ave		2.779 8				6.4		20.0			
Bromomethane	0.8921 1.1888	1.3400 1.1277	1.2311 1.1404	1.2899	1.1731	Ave		1.172 9			0.1000	11.5		20.0			
Chloroethane	1.2409 1.3272	1.4451 1.3178	1.4846 1.3290	1.3667	1.3238	Ave		1.354 4			0.1000	5.7		20.0			
Trichlorofluoromethane	2.1642 2.5474	2.3138 2.4385	2.5849 2.4919	2.3412	2.3233	Ave		2.400 7			0.1000	5.9		20.0			
Dichlorofluoromethane	2.5495 2.8850	3.2683 2.8452	3.3391 2.8991	3.1765	2.7172	Ave		2.960 0				9.3		20.0			
Ethyl ether	2.1237 1.7579	1.7275 1.7542	2.1167 1.8196	1.7816	1.7184	Ave		1.849 9				9.2		20.0			
Acrolein	0.1153 0.0969	0.1105 0.0920	0.1201 0.1055	0.1008	0.0978	Ave		0.104 9				9.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.4425	1.2301 1.3695	1.2721 1.3691	1.3026	1.1554	Ave		1.305 9			0.1000	7.4		20.0			
1,1-Dichloroethene	1.2257 1.4030	1.3328 1.3671	1.3391 1.3694	1.3800	1.2672	Ave		1.335 5			0.1000	4.5		20.0			
Acetone	0.7920 0.9461	1.1901 0.9560	0.9631 0.9805	1.0238	0.9231	Ave		0.971 8			0.1000	11.4		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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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														
Iodomethane	2.1575 2.3334	2.2347 2.2316	2.2451 2.2727	2.3330	2.1844	Ave		2.249 1				2.8		20.0			
Carbon disulfide	5.7611 4.8492	4.6986 4.7980	5.0122 4.7937	4.8331	4.4800	Ave		4.903 2			0.1000	7.7		20.0			
Allyl chloride	3.7941 3.6979	3.6691 3.6356	3.3151 3.7460	3.7243	3.2895	Ave		3.609 0				5.4		20.0			
Methyl acetate	2.5400 2.2798	2.7520 2.3159	2.5297 2.4200	2.4527	2.3755	Ave		2.458 2			0.1000	6.1		20.0			
Methylene Chloride	2.8124 1.7218	2.0492 1.6762	1.8463 1.7150	1.7721	1.6369	Lin1	0.439 7	1.691 0			0.1000				1.0000		0.9900
2-Methyl-2-propanol	0.3421 0.3332	0.3272 0.3498	0.3130 0.3576	0.3053	0.3018	Ave		0.328 7				6.3		20.0			
Methyl tert-butyl ether	6.2318 5.4696	5.6347 5.4141	5.5502 5.7400	5.6985	5.3907	Ave		5.641 2			0.1000	4.8		20.0			
trans-1,2-Dichloroethene	1.8167 1.7219	1.6630 1.6458	1.7993 1.6841	1.6279	1.4984	Ave		1.682 1			0.1000	6.0		20.0			
Acrylonitrile	1.3609 1.2002	1.2314 1.2035	1.2444 1.2797	1.1300	1.1565	Ave		1.225 8				5.9		20.0			
Hexane	2.6119 3.5175	3.1862 3.4758	3.3559 3.4393	3.2594	3.0653	Ave		3.238 9				9.1		20.0			
1,1-Dichloroethane	3.6853 3.3993	3.1139 3.3987	3.2712 3.4944	3.4789	3.1453	Ave		3.373 4			0.2000	5.6		20.0			
Vinyl acetate	6.8670 6.0497	6.0693 6.1561	5.8341 6.5853	5.4275	5.6773	Ave		6.083 3				7.7		20.0			
2,2-Dichloropropane	1.7977 1.5023	1.5268 1.4452	1.6696 1.5560	1.7730	1.4977	Ave		1.596 0				8.4		20.0			
cis-1,2-Dichloroethene	1.9781 1.8305	1.9378 1.7746	1.9070 1.8093	1.8877	1.7388	Ave		1.858 0			0.1000	4.5		20.0			
2-Butanone (MEK)	1.8698 1.5646	1.2789 1.5642	1.5855 1.6616	1.4133	1.5635	Ave		1.562 7			0.1000	11.0		20.0			
Chlorobromomethane	0.9666 0.8913	1.0504 0.8871	0.8835 0.9115	0.9337	0.8891	Ave		0.926 6				6.2		20.0			
Tetrahydrofuran	1.2095 1.0449	1.1378 1.0307	1.1144 1.0719	1.0669	1.0266	Ave		1.087 8				5.8		20.0			
Chloroform	3.7971 2.9627	2.7969 2.9328	3.1553 3.0055	3.0378	2.8555	Ave		3.068 0			0.2000	10.2		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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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														
1,1,1-Trichloroethane	2.5956 2.6554	2.4235 2.5711	2.4859 2.6650	2.6328	2.3260	Ave		2.544 4			0.1000	4.8		20.0			
Cyclohexane	3.3821 4.3825	3.4079 4.2639	3.6657 4.1796	3.7561	3.5894	Ave		3.828 4			0.1000	10.3		20.0			
Carbon tetrachloride	1.8313 2.1216	1.5785 2.1199	1.8323 2.2065	2.0453	1.8775	Ave		1.951 6			0.1000	10.7		20.0			
1,1-Dichloropropene	2.3539 2.4362	2.1956 2.4132	2.1968 2.4808	2.3181	2.2255	Ave		2.327 5				4.8		20.0			
Benzene	7.3519 6.8823	6.6418 6.8680	6.9756 7.1526	6.7494	6.5135	Ave		6.891 9			0.5000	3.9		20.0			
Isobutyl alcohol	0.1609 0.1747	0.1667 0.1811	0.1496 0.1879	0.1501	0.1508	Ave		0.165 2				9.0		20.0			
1,2-Dichloroethane	3.7790 2.8613	2.8196 2.8079	2.9962 2.8826	3.0632	2.7494	Ave		2.994 9			0.1000	11.1		20.0			
n-Heptane	3.9406 4.1540	3.8503 4.1374	4.3539 4.0882	3.6532	4.1298	Ave		4.038 4				5.4		20.0			
Trichloroethene	1.7075 1.7820	1.6577 1.7338	1.6612 1.7811	1.7128	1.5390	Ave		1.696 9			0.2000	4.7		20.0			
Methylcyclohexane	++++ 3.3996	2.6814 3.3278	2.9016 3.3516	2.9060	2.8725	Ave		3.062 9			0.1000	9.4		20.0			
1,2-Dichloropropane	2.4450 1.9608	2.0956 1.9300	1.9411 2.0069	1.9233	1.8734	Ave		2.022 0			0.1000	9.1		20.0			
Dibromomethane	1.2537 1.0751	1.1366 1.0188	1.0261 1.0717	1.0533	1.0064	Ave		1.080 2			0.1000	7.5		20.0			
1,4-Dioxane	0.0126 0.0112	0.0135 0.0107	0.0111 0.0110	0.0122	0.0130	Ave		0.011 9				8.9		20.0			
Bromodichloromethane	2.1269 2.1281	2.0691 2.1448	2.0093 2.3135	2.0443	1.9580	Ave		2.099 2			0.2000	5.1		20.0			
2-Chloroethyl vinyl ether	1.5175 1.4254	1.3212 1.3725	1.3799 1.5014	1.1821	1.4177	Ave		1.389 7				7.6		20.0			
cis-1,3-Dichloropropene	2.9694 2.8864	2.6853 2.9191	2.8198 3.0765	2.6944	2.7093	Ave		2.845 0			0.2000	5.0		20.0			
4-Methyl-2-pentanone (MIBK)	1.7644 1.5598	1.6079 1.5450	1.4842 1.5817	1.6074	1.4742	Ave		1.578 1			0.1000	5.7		20.0			
Toluene	2.0224 2.1945	2.0322 2.1243	2.0782 2.2208	2.0664	1.9388	Ave		2.084 7			0.4000	4.5		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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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	1.2100 1.3746	1.2443 1.3649	1.3617 1.4306	1.2282	1.2252	Ave		1.304 9			0.1000	6.6		20.0			
Ethyl methacrylate	1.2549 1.3037	1.2414 1.2755	1.1937 1.3543	1.2618	1.2116	Ave		1.262 1				4.0		20.0			
1,1,2-Trichloroethane	0.7739 0.6513	0.6149 0.6295	0.6831 0.6584	0.5796	0.6109	Ave		0.650 2			0.1000	9.1		20.0			
Tetrachloroethene	0.9362 0.9304	0.8610 0.9214	0.8765 0.9252	0.9114	0.8135	Ave		0.897 0			0.2000	4.8		20.0			
1,3-Dichloropropane	1.4819 1.3999	1.4572 1.3703	1.3259 1.4255	1.3448	1.2902	Ave		1.386 9				4.8		20.0			
2-Hexanone	1.1820 1.1362	1.0763 1.1136	1.1120 1.1561	1.1380	1.0890	Ave		1.125 4			0.1000	3.1		20.0			
Dibromochloromethane	0.7235 0.7338	0.6980 0.7669	0.6097 0.8346	0.7106	0.6656	Ave		0.717 8			0.1000	9.3		20.0			
1,2-Dibromoethane	0.9606 0.8232	0.8540 0.8193	0.8017 0.8431	0.7910	0.7431	Ave		0.829 5				7.6		20.0			
Chlorobenzene	2.5136 2.4372	2.2256 2.3512	2.4492 2.4520	2.3504	2.1847	Ave		2.370 5			0.5000	4.9		20.0			
Ethylbenzene	4.0568 4.1901	3.6340 4.1136	3.9118 4.2601	3.7610	3.7014	Ave		3.953 6			0.1000	6.0		20.0			
1,1,1,2-Tetrachloroethane	0.8307 0.8318	0.6966 0.8457	0.7927 0.8734	0.8004	0.7557	Ave		0.803 4				7.0		20.0			
m,p-Xylene	1.4569 1.6914	1.4063 1.6209	1.6226 1.6463	1.5516	1.4335	Ave		1.553 7			0.1000	7.0		20.0			
o-Xylene	1.4446 1.6232	1.5711 1.5699	1.5185 1.6016	1.5443	1.4323	Ave		1.538 2			0.3000	4.5		20.0			
Styrene	2.3956 2.6481	2.3563 2.5825	2.3465 2.7641	2.2787	2.2576	Ave		2.453 7			0.3000	7.6		20.0			
Bromoform	0.5257 0.5019	0.4240 0.5157	0.4105 0.5783	0.4563	0.4422	Ave		0.481 8			0.1000	12.0		20.0			
Isopropylbenzene	3.9925 4.7028	4.3065 4.5740	4.0682 4.7986	4.2225	4.0683	Ave		4.341 7			0.1000	7.2		20.0			
Bromobenzene	1.1970 1.0746	1.1428 1.0178	1.0808 1.0736	0.9628	1.0305	Ave		1.072 5				6.8		20.0			
1,1,2,2-Tetrachloroethane	1.2557 1.2429	1.1916 1.2213	1.2077 1.2732	1.2890	1.1644	Ave		1.230 7			0.3000	3.4		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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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	4.3967 5.4905	4.7057 5.3661	4.8085 5.6334	4.9090	4.7820	Ave		5.011 5				8.7		20.0			
1,2,3-Trichloropropane	0.4605 0.4232	0.4766 0.3962	0.4245 0.4142	0.4166	0.3868	Ave		0.424 8				7.1		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3306	0.1688 0.3448	0.1412 0.4031	0.1920	0.2507	Lin	-1.18 5	0.404 3							0.9950		0.9900
2-Chlorotoluene	1.0342 1.0906	1.0212 1.0234	1.1024 1.0631	1.0121	0.9803	Ave		1.040 9				4.0		20.0			
1,3,5-Trimethylbenzene	3.4926 4.0108	3.3917 3.9035	3.6674 4.1448	3.6434	3.4715	Ave		3.715 7				7.4		20.0			
4-Chlorotoluene	1.0072 1.1097	0.9458 1.0502	0.9738 1.1157	1.0645	1.0037	Ave		1.033 8				6.0		20.0			
tert-Butylbenzene	0.6808 0.9286	0.7471 0.8909	0.7951 0.9154	0.8262	0.7931	Ave		0.822 2				10.5		20.0			
1,2,4-Trimethylbenzene	3.7055 4.0747	3.5947 3.9211	3.7419 4.1936	3.8714	3.6570	Ave		3.845 0				5.5		20.0			
sec-Butylbenzene	3.9602 5.2208	3.8040 5.1011	4.6482 5.3515	4.5569	4.4162	Ave		4.632 4				12.3		20.0			
1,3-Dichlorobenzene	2.0584 2.2224	2.1056 2.0819	2.2675 2.1998	2.0657	2.0250	Ave		2.128 3			0.6000	4.2		20.0			
4-Isopropyltoluene	3.2708 4.9049	3.8325 4.7586	4.2961 4.9846	4.3536	4.0686	Ave		4.308 7				13.5		20.0			
1,4-Dichlorobenzene	2.2573 2.1934	1.9982 2.1298	2.1110 2.2423	2.1278	2.0052	Ave		2.133 1			0.5000	4.6		20.0			
n-Butylbenzene	3.6156 4.1080	3.4963 3.9644	3.7743 4.1044	3.6893	3.5735	Ave		3.790 7				6.3		20.0			
1,2-Dichlorobenzene	2.1808 2.1393	2.1648 2.0745	2.1732 2.1819	2.1154	1.9695	Ave		2.124 9			0.4000	3.4		20.0			
1,2-Dibromo-3-Chloropropane	0.2337 0.2681	0.2678 0.2644	0.2526 0.3065	0.2739	0.2556	Ave		0.265 4			0.0500	7.8		20.0			
1,2,4-Trichlorobenzene	1.5392 1.7063	1.5778 1.6605	1.7779 1.7484	1.7415	1.6007	Ave		1.669 0			0.2000	5.3		20.0			
Hexachlorobutadiene	0.6169 0.8465	0.6362 0.8143	0.7624 0.8339	0.8024	0.7186	Ave		0.753 9				11.7		20.0			
Naphthalene	4.5332 5.1465	4.7951 5.0975	4.6554 5.4935	5.1793	4.7365	Ave		4.954 6				6.6		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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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	1.8756 1.6710	1.6352 1.6415	1.5465 1.7074	1.7912	1.5634	Ave		1.679 0				6.6		20.0			
Dibromofluoromethane (Surr)	1.2492 1.2014	1.2869 1.2217	1.2260 1.2598	1.3061	1.2199	Ave		1.246 4				2.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8874 0.8589	0.9132 0.8271	0.8692 0.8805	0.9267	0.8635	Ave		0.878 3				3.6		20.0			
Toluene-d8 (Surr)	2.5449 2.6029	2.5975 2.4995	2.5551 2.5994	2.6900	2.4260	Ave		2.564 4				3.1		20.0			
4-Bromofluorobenzene (Surr)	0.7714 0.7641	0.7654 0.7559	0.7671 0.7658	0.8041	0.7436	Ave		0.767 2				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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-603077/4	S5630.D
Level 2	IC 480-603077/5	S5631.D
Level 3	IC 480-603077/6	S5632.D
Level 4	IC 480-603077/7	S5633.D
Level 5	IC 480-603077/8	S5634.D
Level 6	ICIS 480-603077/9	S5635.D
Level 7	IC 480-603077/10	S5636.D
Level 8	IC 480-603077/11	S5637.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	4993 270860	9286 574247	22092 1079982	47203	99843	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	8389 465704	20892 907626	40018 1785840	87084	180388	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6526 412613	15438 840122	32866 1585739	74075	153993	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	10636 484765	18982 966682	41150 1858539	93286	187912	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3057 213199	9070 418262	17295 814530	42203	83565	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	4252 238012	9781 488772	20856 949230	44714	94300	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	7416 456853	15661 904468	36312 1779762	76598	165500	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	8736 517401	22122 1055292	46907 2070653	103927	193556	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	7277 315262	11693 650633	29735 1299589	58289	122409	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	1976 86863	3740 170632	8435 376914	16496	34842	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 258696	8326 507972	17870 977869	42618	82304	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4200 251619	9021 507070	18812 978069	45151	90268	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	13569	40275	67647	167483	328792	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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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
			848368	1772857	3501435			125	250	500		
Iodomethane	FB	Ave	7393 418475	15126 827723	31539 1623213	76328	155605	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	19741 869643	31803 1779607	70411 3423847	158126	319129	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	13001 663172	24835 1348474	46570 2675514	121849	234323	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	17407 817707	37254 1718005	71073 3456876	160491	338435	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	9637 308786	13870 621699	25937 1224895	57978	116604	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	11723 597527	22146 1297519	43968 2553772	99881	215016	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	21354 980913	38139 2008119	77969 4099693	186440	383998	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	6225 308799	11256 610456	25277 1202804	53259	106734	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	46633 2152365	83347 4464062	174819 9140060	369711	823801	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	8950 630826	21566 1289187	47144 2456428	106638	218357	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	12628 609635	21077 1260619	45954 2495797	113820	224054	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	47061 2169898	82162 4566664	163913 9406804	355146	808834	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	6160 269413	10334 536034	23455 1111352	58008	106687	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	6778 328275	13116 658228	26790 1292249	61761	123859	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	32036 1402997	43282 2900915	111365 5933675	231198	556862	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3312 159842	7110 329026	12411 651016	30548	63334	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	8289 374785	15402 764585	31311 1531108	69812	146264	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	13011	18931	44326	99387	203410	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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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
			531335	1087790	2146639			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	8894 476220	16404 953640	34922 1903440	86139	165688	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	11589 785946	23067 1581525	51496 2985238	122888	255689	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	6275 380482	10684 786289	25740 1575974	66918	133743	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	8066 436902	14861 895089	30861 1771858	75842	158529	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	25192 1234262	44956 2547413	97993 5108587	220820	463981	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	13783 783333	28204 1679380	52536 3354477	122771	268490	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	12949 513137	19085 1041479	42090 2058820	100218	195853	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	13503 744973	26061 1534608	61163 2919935	119523	294182	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5851 319579	11220 643094	23336 1272096	56039	109627	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	++++ 609682	18149 1234323	40762 2393816	95076	204618	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	8378 351652	14184 715849	27268 1433384	62924	133451	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	4296 192809	7693 377866	14415 765411	34460	71691	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	1834 80789	3703 160370	6500 323412	15695	39490	10.0 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	7288 381652	14005 795538	28226 1652407	66883	139473	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	5200 255631	8943 509088	19385 1072358	38676	100991	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10175 517642	18176 1082735	39613 2197358	88154	192994	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	64312	109922	216844	516094	1117523	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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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
			2802112	5807465	11667486			125	250	500		
Toluene	CBNZ d5	Ave	14743	27786	60726	132694	293949	0.500	1.00	2.00	5.00	10.0
			788496	1596990	3276411			25.0	50.0	100		
trans-1,3-Dichloropropene	CBNZ d5	Ave	8821	17013	39790	78871	185753	0.500	1.00	2.00	5.00	10.0
			493905	1026085	2110606			25.0	50.0	100		
Ethyl methacrylate	CBNZ d5	Ave	9148	16973	34880	81029	183695	0.500	1.00	2.00	5.00	10.0
			468433	958896	1998063			25.0	50.0	100		
1,1,2-Trichloroethane	CBNZ d5	Ave	5642	8407	19961	37217	92626	0.500	1.00	2.00	5.00	10.0
			234002	473201	971288			25.0	50.0	100		
Tetrachloroethene	CBNZ d5	Ave	6825	11772	25611	58524	123333	0.500	1.00	2.00	5.00	10.0
			334302	692705	1365016			25.0	50.0	100		
1,3-Dichloropropane	CBNZ d5	Ave	10803	19924	38743	86356	195608	0.500	1.00	2.00	5.00	10.0
			502969	1030102	2103073			25.0	50.0	100		
2-Hexanone	CBNZ d5	Ave	43085	73582	162468	365398	825553	2.50	5.00	10.0	25.0	50.0
			2041187	4185614	8528060			125	250	500		
Dibromochloromethane	CBNZ d5	Ave	5274	9544	17815	45633	100919	0.500	1.00	2.00	5.00	10.0
			263644	576546	1231364			25.0	50.0	100		
1,2-Dibromoethane	CBNZ d5	Ave	7003	11677	23427	50794	112659	0.500	1.00	2.00	5.00	10.0
			295795	615882	1243811			25.0	50.0	100		
Chlorobenzene	CBNZ d5	Ave	18324	30430	71567	150932	331221	0.500	1.00	2.00	5.00	10.0
			875704	1767526	3617450			25.0	50.0	100		
Ethylbenzene	CBNZ d5	Ave	29574	49688	114305	241519	561174	0.500	1.00	2.00	5.00	10.0
			1505507	3092401	6284995			25.0	50.0	100		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	6056	9525	23164	51397	114573	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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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
			298852	635735	1288582			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	10621	19228	47413	99640	217344	0.500	1.00	2.00	5.00	10.0
			607719	1218492	2428905			25.0	50.0	100		
o-Xylene	CBNZ d5	Ave	10531	21481	44371	99166	217150	0.500	1.00	2.00	5.00	10.0
			583235	1180170	2362851			25.0	50.0	100		
Styrene	CBNZ d5	Ave	17464	32217	68566	146332	342283	0.500	1.00	2.00	5.00	10.0
			951480	1941408	4078027			25.0	50.0	100		
Bromoform	CBNZ d5	Ave	3832	5798	11995	29305	67041	0.500	1.00	2.00	5.00	10.0
			180348	387682	853207			25.0	50.0	100		
Isopropylbenzene	DCBd 4	Ave	27007	53214	107116	254884	559699	0.500	1.00	2.00	5.00	10.0
			1535597	3199552	6443216			25.0	50.0	100		
Bromobenzene	DCBd 4	Ave	8097	14121	28458	58117	141771	0.500	1.00	2.00	5.00	10.0
			350876	711984	1441618			25.0	50.0	100		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8494	14724	31798	77809	160194	0.500	1.00	2.00	5.00	10.0
			405859	854323	1709579			25.0	50.0	100		
N-Propylbenzene	DCBd 4	Ave	29741	58147	126610	296318	657884	0.500	1.00	2.00	5.00	10.0
			1792822	3753644	7564216			25.0	50.0	100		
1,2,3-Trichloropropane	DCBd 4	Ave	3115	5889	11177	25149	53208	0.500	1.00	2.00	5.00	10.0
			138201	277158	556135			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd 4	Lin	+++++	2086	3719	11592	34484	+++++	1.00	2.00	5.00	10.0
			107949	241186	541205			25.0	50.0	100		
2-Chlorotoluene	DCBd 4	Ave	6996	12619	29026	61094	134865	0.500	1.00	2.00	5.00	10.0
			356105	715845	1427465			25.0	50.0	100		
1,3,5-Trimethylbenzene	DCBd 4	Ave	23625	41910	96563	219925	477589	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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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
			1309631	2730550	5565428			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	6813	11687	25640	64255	138090	0.500	1.00	2.00	5.00	10.0
			362338	734652	1498120			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Ave	4605	9232	20936	49874	109115	0.500	1.00	2.00	5.00	10.0
			303221	623224	1229106			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	25065	44419	98526	233689	503113	0.500	1.00	2.00	5.00	10.0
			1330522	2742823	5630911			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Ave	26788	47005	122389	275064	607569	0.500	1.00	2.00	5.00	10.0
			1704762	3568243	7185604			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	13924	26018	59704	124689	278586	0.500	1.00	2.00	5.00	10.0
			725678	1456320	2953701			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Ave	22125	47357	113118	262792	559742	0.500	1.00	2.00	5.00	10.0
			1601604	3328699	6693040			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	15269	24691	55582	128437	275870	0.500	1.00	2.00	5.00	10.0
			716227	1489834	3010838			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	24457	43203	99379	222693	491631	0.500	1.00	2.00	5.00	10.0
			1341386	2773126	5511120			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	14752	26750	57221	127694	270950	0.500	1.00	2.00	5.00	10.0
			698559	1451128	2929697			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1581	3309	6652	16535	35171	0.500	1.00	2.00	5.00	10.0
			87558	184981	411526			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	10412	19496	46812	105123	220212	0.500	1.00	2.00	5.00	10.0
			557155	1161545	2347701			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	4173	7861	20073	48432	98864	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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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
			276398	569616	1119714			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	30664	59252	122578	312637	651622	0.500	1.00	2.00	5.00	10.0
			1680499	3565755	7376368			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	12687	20206	40720	108123	215084	0.500	1.00	2.00	5.00	10.0
			545634	1148267	2292638			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	214034	217764	215281	213661	217249	25.0	25.0	25.0	25.0	25.0
			215457	226578	224943			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	152032	154531	152630	151601	153773	25.0	25.0	25.0	25.0	25.0
			154041	153384	157214			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	927613	887886	933248	863710	919524	25.0	25.0	25.0	25.0	25.0
			935236	939497	958731			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	281164	261625	280170	258175	281844	25.0	25.0	25.0	25.0	25.0
			274527	284110	282465			25.0	25.0	25.0		

Curve Type Legend

Ave = Average ISTD
Lin = Linear 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.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-603077/4	S5630.D
Level 2	IC 480-603077/5	S5631.D
Level 3	IC 480-603077/6	S5632.D
Level 4	IC 480-603077/7	S5633.D
Level 5	IC 480-603077/8	S5634.D
Level 6	ICIS 480-603077/9	S5635.D
Level 7	IC 480-603077/10	S5636.D
Level 8	IC 480-603077/11	S5637.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	-1.4						30					
Chloromethane	-7.3						30					
Vinyl chloride	-14.1						30					
Butadiene	11.7						30					
Bromomethane	-23.9						30					
Chloroethane	-8.4						30					
Trichlorofluoromethane	-9.8						30					
Dichlorofluoromethane	-13.9						30					
Ethyl ether	14.8						30					
Acrolein	10.0						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	-5.8						30				
1,1-Dichloroethene	-8.2						30					
Acetone	-18.5						30					
Iodomethane	-4.1						30					
Carbon disulfide	17.5						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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	5.1						30					
Methyl acetate	3.3						30					
Methylene Chloride	14.3						30					
2-Methyl-2-propanol	4.1						30					
Methyl tert-butyl ether	10.5						30					
trans-1,2-Dichloroethene	8.0						30					
Acrylonitrile	11.0						30					
Hexane	-19.4						30					
1,1-Dichloroethane	9.2						30					
Vinyl acetate	12.9						30					
2,2-Dichloropropane	12.6						30					
cis-1,2-Dichloroethene	6.5						30					
2-Butanone (MEK)	19.7						30					
Chlorobromomethane	4.3						30					
Tetrahydrofuran	11.2						30					
Chloroform	23.8						30					
1,1,1-Trichloroethane	2.0						30					
Cyclohexane	-11.7						30					
Carbon tetrachloride	-6.2						30					
1,1-Dichloropropene	1.1						30					
Benzene	6.7						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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	-2.6						30					
1,2-Dichloroethane	26.2						30					
n-Heptane	-2.4						30					
Trichloroethene	0.6						30					
Methylcyclohexane	+++++	-12.5						30				
1,2-Dichloropropane	20.9						30					
Dibromomethane	16.1						30					
1,4-Dioxane	5.5						30					
Bromodichloromethane	1.3						30					
2-Chloroethyl vinyl ether	9.2						30					
cis-1,3-Dichloropropene	4.4						30					
4-Methyl-2-pentanone (MIBK)	11.8						30					
Toluene	-3.0						30					
trans-1,3-Dichloropropene	-7.3						30					
Ethyl methacrylate	-0.6						30					
1,1,2-Trichloroethane	19.0						30					
Tetrachloroethene	4.4						30					
1,3-Dichloropropane	6.8						30					
2-Hexanone	5.0						30					
Dibromochloromethane	0.8						30					
1,2-Dibromoethane	15.8						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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	6.0						30					
Ethylbenzene	2.6						30					
1,1,1,2-Tetrachloroethane	3.4						30					
m,p-Xylene	-6.2						30					
o-Xylene	-6.1						30					
Styrene	-2.4						30					
Bromoform	9.1						30					
Isopropylbenzene	-8.0						30					
Bromobenzene	11.6						30					
1,1,2,2-Tetrachloroethane	2.0						30					
N-Propylbenzene	-12.3						30					
1,2,3-Trichloropropane	8.4						30					
trans-1,4-Dichloro-2-butene	++++	234.8 *						30				
2-Chlorotoluene	-0.6						30					
1,3,5-Trimethylbenzene	-6.0						30					
4-Chlorotoluene	-2.6						30					
tert-Butylbenzene	-17.2						30					
1,2,4-Trimethylbenzene	-3.6						30					
sec-Butylbenzene	-14.5						30					
1,3-Dichlorobenzene	-3.3						30					
4-Isopropyltoluene	-24.1						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1 Analy Batch No.: 603077

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/02/2021 16:02 Calibration End Date: 11/02/2021 18:45 Calibration ID: 42657

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	5.8						30					
n-Butylbenzene	-4.6						30					
1,2-Dichlorobenzene	2.6						30					
1,2-Dibromo-3-Chloropropane	-11.9						30					
1,2,4-Trichlorobenzene	-7.8						30					
Hexachlorobutadiene	-18.2						30					
Naphthalene	-8.5						30					
1,2,3-Trichlorobenzene	11.7						30					
Dibromofluoromethane (Surr)	0.2						30					
1,2-Dichloroethane-d4 (Surr)	1.0						30					
Toluene-d8 (Surr)	-0.8						30					
4-Bromofluorobenzene (Surr)	0.6						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Nov-2021 16:02:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0102107-004
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:15:55 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 10:50:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	171330	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	88	364496	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.389	10.395	-0.006	97	338218	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	0.000	57	214034	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.725	4.732	-0.007	92	152032	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	93	927613	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	86	281164	25.0	25.1	
10 Dichlorodifluoromethane	85	1.081	1.082	-0.001	40	4993	0.5000	0.4932	M
12 Chloromethane	50	1.240	1.240	0.000	74	8389	0.5000	0.4636	M
13 Vinyl chloride	62	1.306	1.313	-0.007	15	6526	0.5000	0.4295	a
151 Butadiene	54	1.325	1.325	0.000	90	10636	0.5000	0.5583	
14 Bromomethane	94	1.574	1.593	-0.019	50	3057	0.5000	0.3803	M
15 Chloroethane	64	1.659	1.653	0.006	49	4252	0.5000	0.4581	M
17 Trichlorofluoromethane	101	1.842	1.848	-0.006	47	7416	0.5000	0.4508	
16 Dichlorofluoromethane	67	1.854	1.848	0.006	67	8736	0.5000	0.4307	M
18 Ethyl ether	59	2.097	2.091	0.006	85	7277	0.5000	0.5740	a
20 Acrolein	56	2.249	2.268	-0.019	5	1976	2.50	2.75	M
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.304	2.304	0.000	20	3805	0.5000	0.4252	
22 1,1-Dichloroethene	96	2.316	2.316	0.000	76	4200	0.5000	0.4589	
23 Acetone	43	2.414	2.420	-0.006	80	13569	2.50	2.04	M
25 Iodomethane	142	2.468	2.469	-0.001	52	7393	0.5000	0.4797	M
26 Carbon disulfide	76	2.487	2.499	-0.012	87	19741	0.5000	0.5875	
28 3-Chloro-1-propene	41	2.645	2.651	-0.006	68	13001	0.5000	0.5257	
27 Methyl acetate	43	2.693	2.700	-0.007	95	17407	1.00	1.03	
30 Methylene Chloride	84	2.821	2.815	0.006	80	9637	0.5000	0.5715	M
31 2-Methyl-2-propanol	59	2.979	2.980	-0.001	34	11723	5.00	5.20	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	81	21354	0.5000	0.5523	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	74	6225	0.5000	0.5400	
33 Acrylonitrile	53	3.071	3.071	0.000	97	46633	5.00	5.55	M
35 Hexane	57	3.192	3.199	-0.007	70	8950	0.5000	0.4032	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.411	3.418	-0.007	67	12628	0.5000	0.5462	
37 Vinyl acetate	43	3.478	3.478	0.000	94	47061	1.00	1.13	
44 2,2-Dichloropropane	77	3.928	3.923	0.005	42	6160	0.5000	0.5632	
45 cis-1,2-Dichloroethene	96	3.959	3.959	0.000	34	6778	0.5000	0.5323	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	92	32036	2.50	2.99	
48 Chlorobromomethane	128	4.196	4.196	0.000	76	3312	0.5000	0.5215	
49 Tetrahydrofuran	42	4.214	4.208	0.006	68	8289	1.00	1.11	M
50 Chloroform	83	4.281	4.275	0.006	65	13011	0.5000	0.6188	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	48	8894	0.5000	0.5101	
52 Cyclohexane	56	4.379	4.379	0.000	78	11589	0.5000	0.4417	
55 Carbon tetrachloride	117	4.512	4.507	0.005	60	6275	0.5000	0.4692	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	66	8066	0.5000	0.5057	
57 Benzene	78	4.719	4.726	-0.007	15	25192	0.5000	0.5334	
53 Isobutyl alcohol	43	4.786	4.774	0.012	35	13783	12.5	12.2	
58 1,2-Dichloroethane	62	4.798	4.799	-0.001	33	12949	0.5000	0.6309	
59 n-Heptane	43	4.914	4.908	0.006	78	13503	0.5000	0.4879	
62 Trichloroethene	95	5.334	5.334	0.000	68	5851	0.5000	0.5031	
64 Methylcyclohexane	83	5.443	5.437	0.006	74	8328	0.5000	0.3967	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	69	8378	0.5000	0.6046	
67 Dibromomethane	93	5.705	5.705	0.000	66	4296	0.5000	0.5803	
66 1,4-Dioxane	88	5.729	5.723	0.006	0	1834	10.0	10.6	M
68 Dichlorobromomethane	83	5.863	5.869	-0.006	46	7288	0.5000	0.5066	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	0	5200	0.5000	0.5460	M
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	58	10175	0.5000	0.5219	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.429	0.006	96	64312	2.50	2.80	
74 Toluene	92	6.563	6.557	0.006	55	14743	0.5000	0.4851	
77 trans-1,3-Dichloropropene	75	6.855	6.849	0.006	65	8821	0.5000	0.4636	
75 Ethyl methacrylate	69	6.903	6.903	0.000	71	9148	0.5000	0.4971	
79 1,1,2-Trichloroethane	83	7.043	7.037	0.006	0	5642	0.5000	0.5952	M
81 Tetrachloroethene	166	7.080	7.080	0.000	0	6825	0.5000	0.5219	M
82 1,3-Dichloropropane	76	7.195	7.189	0.006	57	10803	0.5000	0.5342	
80 2-Hexanone	43	7.274	7.268	0.006	91	43085	2.50	2.63	
83 Chlorodibromomethane	129	7.427	7.421	0.005	36	5274	0.5000	0.5039	
84 Ethylene Dibromide	107	7.524	7.518	0.006	54	7003	0.5000	0.5790	
87 Chlorobenzene	112	7.992	7.992	0.000	17	18324	0.5000	0.5302	
88 Ethylbenzene	91	8.090	8.090	0.000	86	29574	0.5000	0.5131	
89 1,1,1,2-Tetrachloroethane	131	8.090	8.096	-0.006	19	6056	0.5000	0.5170	
90 m-Xylene & p-Xylene	106	8.217	8.211	0.006	81	10621	0.5000	0.4689	
91 o-Xylene	106	8.625	8.631	-0.006	76	10531	0.5000	0.4696	
92 Styrene	104	8.668	8.662	0.006	81	17464	0.5000	0.4882	M
95 Bromoform	173	8.905	8.905	0.000	45	3832	0.5000	0.5455	
94 Isopropylbenzene	105	9.014	9.014	0.000	77	27007	0.5000	0.4598	
101 Bromobenzene	156	9.373	9.367	0.006	71	8097	0.5000	0.5581	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.446	0.006	30	8494	0.5000	0.5101	
99 N-Propylbenzene	91	9.465	9.459	0.005	88	29741	0.5000	0.4387	
100 1,2,3-Trichloropropane	110	9.483	9.471	0.012	40	3115	0.5000	0.5420	
98 trans-1,4-Dichloro-2-butene	53		9.495				ND	ND	
103 2-Chlorotoluene	126	9.556	9.562	-0.006	70	6996	0.5000	0.4968	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	74	23625	0.5000	0.4700	
105 4-Chlorotoluene	126	9.677	9.684	-0.007	73	6813	0.5000	0.4871	
106 tert-Butylbenzene	134	9.982	9.976	0.006	74	4605	0.5000	0.4140	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	37	25065	0.5000	0.4819	

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	10.195	10.189	0.006	72	26788	0.5000	0.4274	
111 1,3-Dichlorobenzene	146	10.328	10.322	0.006	70	13924	0.5000	0.4836	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	78	22125	0.5000	0.3796	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	48	15269	0.5000	0.5291	
115 n-Butylbenzene	91	10.736	10.736	0.000	90	24457	0.5000	0.4769	
116 1,2-Dichlorobenzene	146	10.766	10.773	-0.007	73	14752	0.5000	0.5132	
117 1,2-Dibromo-3-Chloropropane	75	11.527	11.521	0.006	0	1581	0.5000	0.4404	M
119 1,2,4-Trichlorobenzene	180	12.196	12.190	0.006	60	10412	0.5000	0.4611	
120 Hexachlorobutadiene	225	12.306	12.306	0.000	44	4173	0.5000	0.4092	
121 Naphthalene	128	12.409	12.403	0.006	89	30664	0.5000	0.4575	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	58	12687	0.5000	0.5585	
S 123 Total BTEX	1				0			2.47	
S 126 1,3-Dichloropropene, Total	1				0			0.9855	
S 125 1,2-Dichloroethene, Total	1				0			1.07	
S 124 Xylenes, Total	1				0			0.9384	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00479	Amount Added: 0.50	Units: uL	
8260 CORP mix_00216	Amount Added: 0.50	Units: uL	
S_8260_IS_00352	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D

Injection Date: 02-Nov-2021 16:02:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 0.5

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

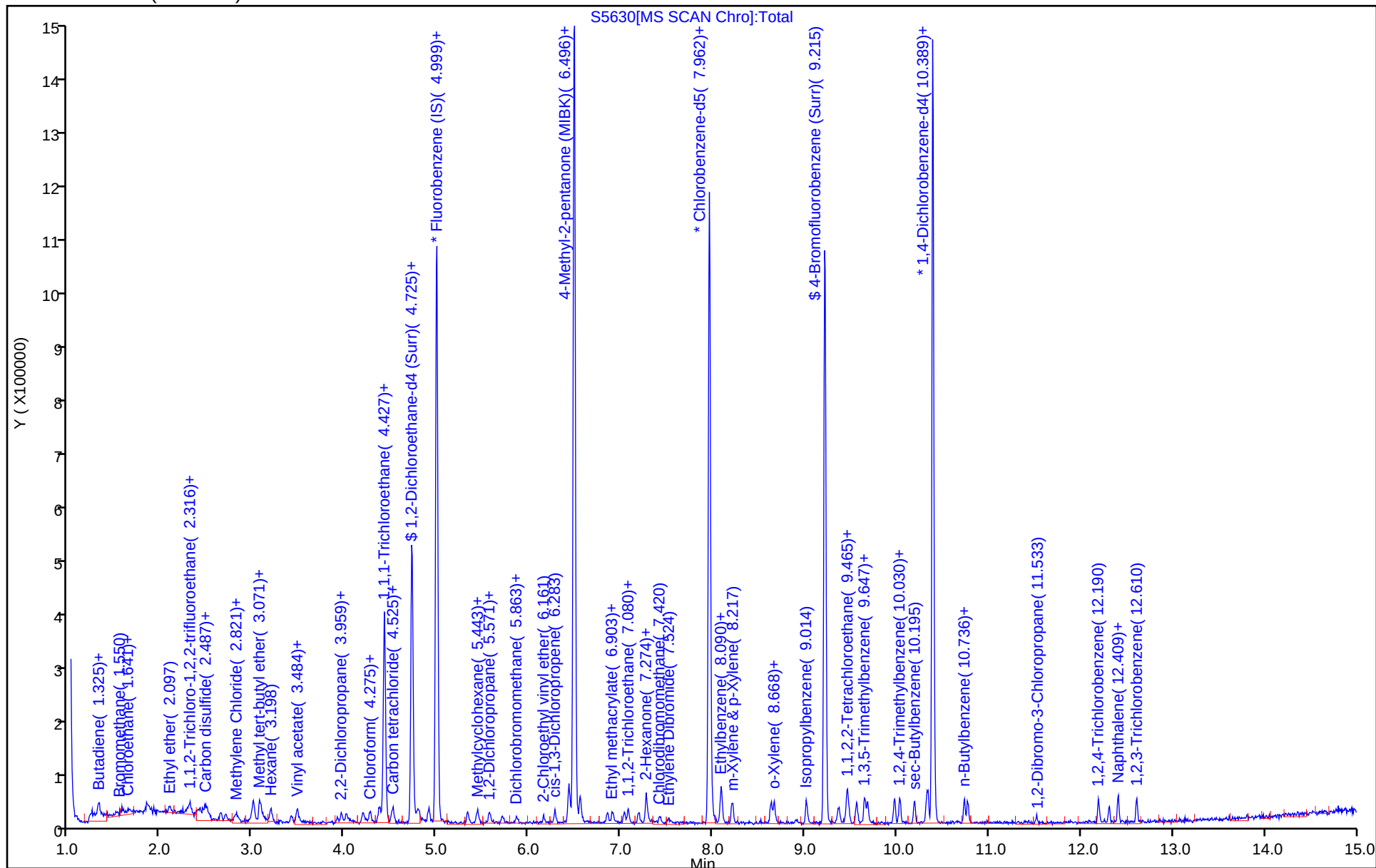
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

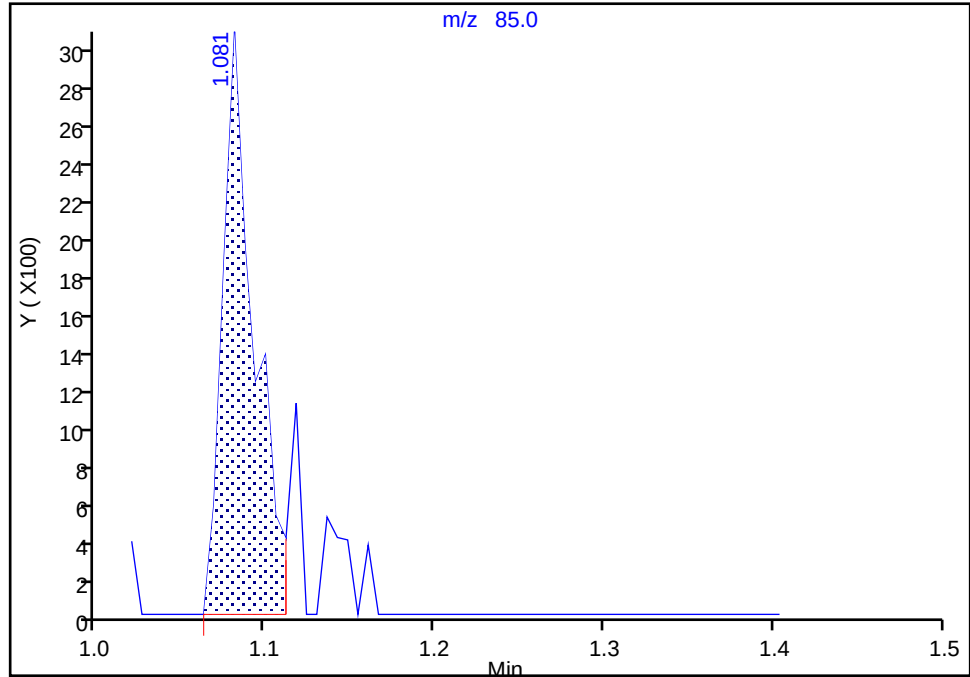
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Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

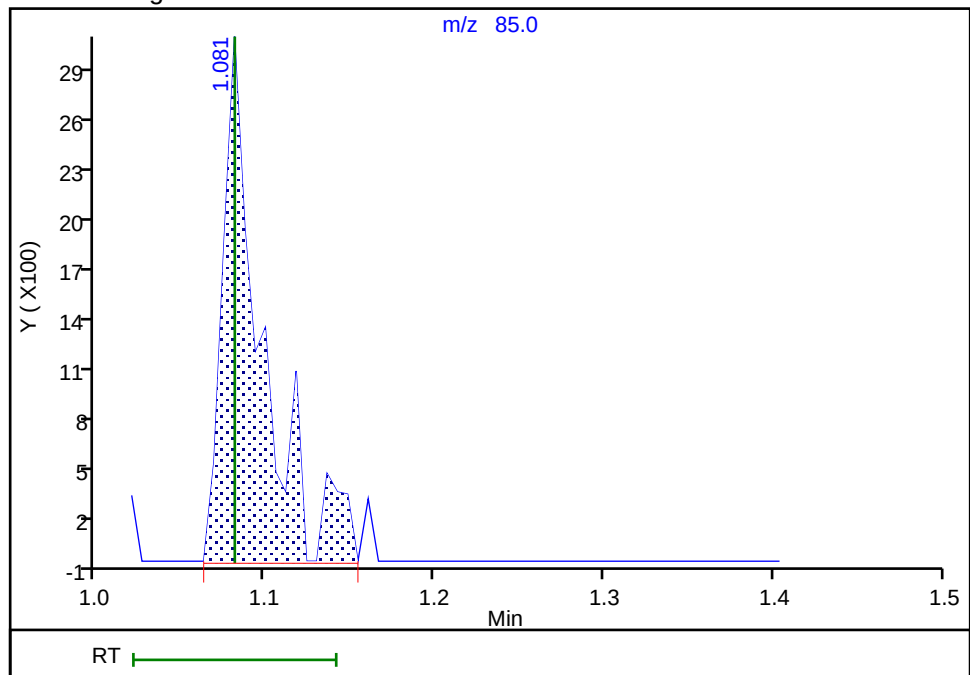
RT: 1.08
Area: 4035
Amount: 0.415060
Amount Units: ug/L

Processing Integration Results



RT: 1.08
Area: 4993
Amount: 0.493245
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:41:18

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

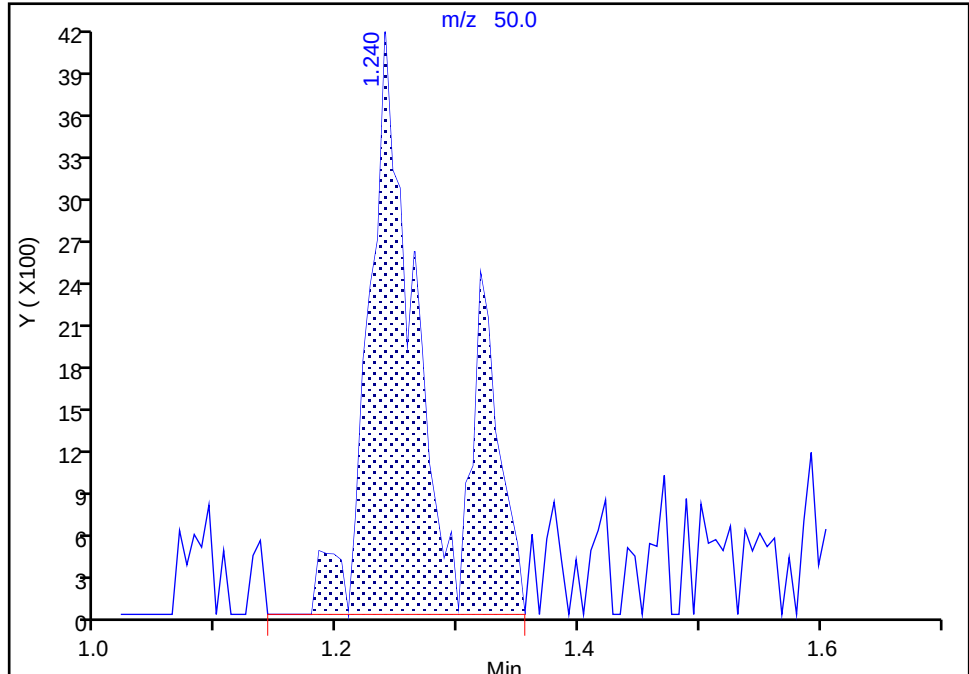
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Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

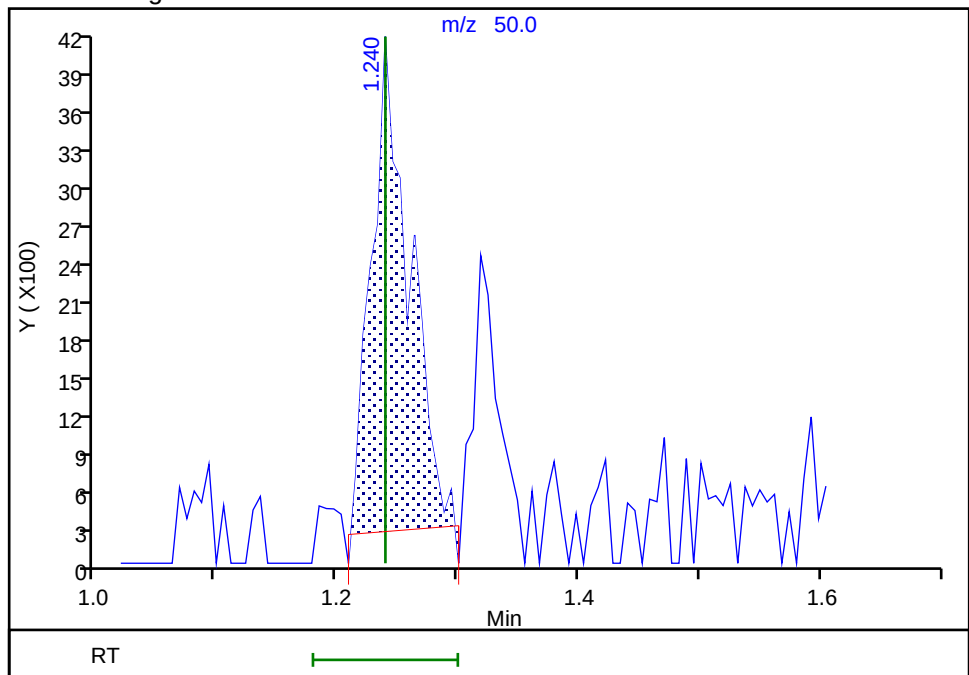
RT: 1.24
Area: 14263
Amount: 0.529608
Amount Units: ug/L

Processing Integration Results



RT: 1.24
Area: 8389
Amount: 0.463636
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:41:40
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 77 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

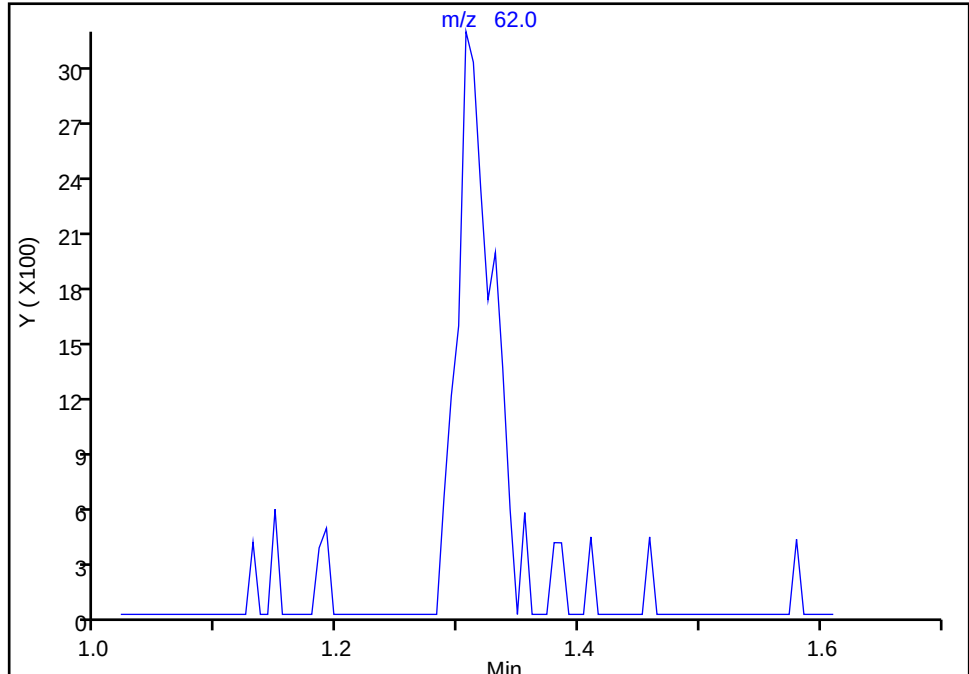
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Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

Signal: 1

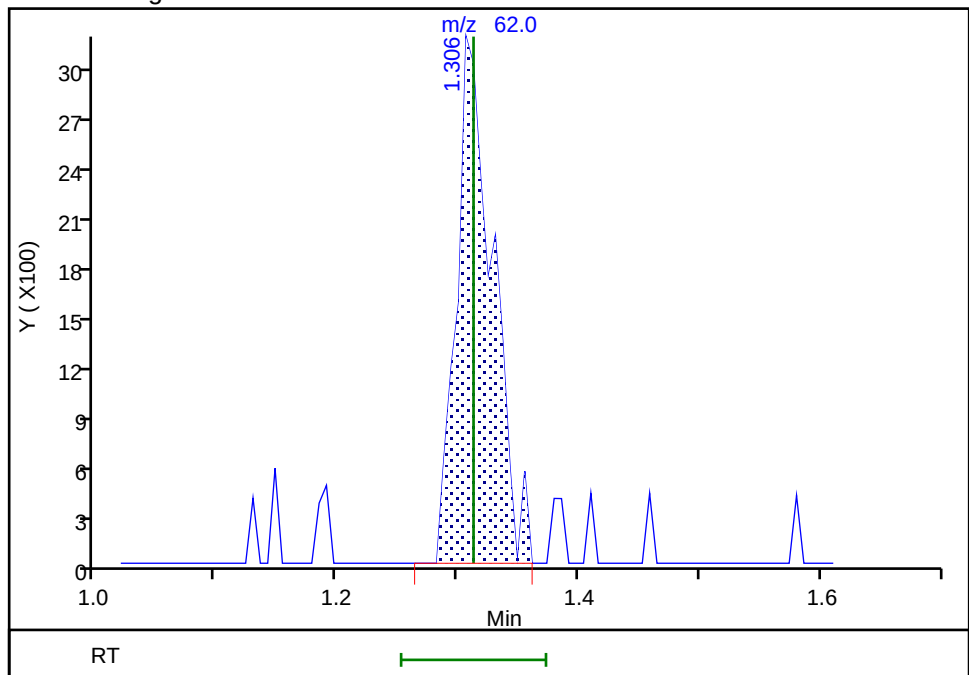
Not Detected
Expected RT: 1.31

Processing Integration Results



RT: 1.31
Area: 6526
Amount: 0.429506
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:42:33
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
Page 78 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

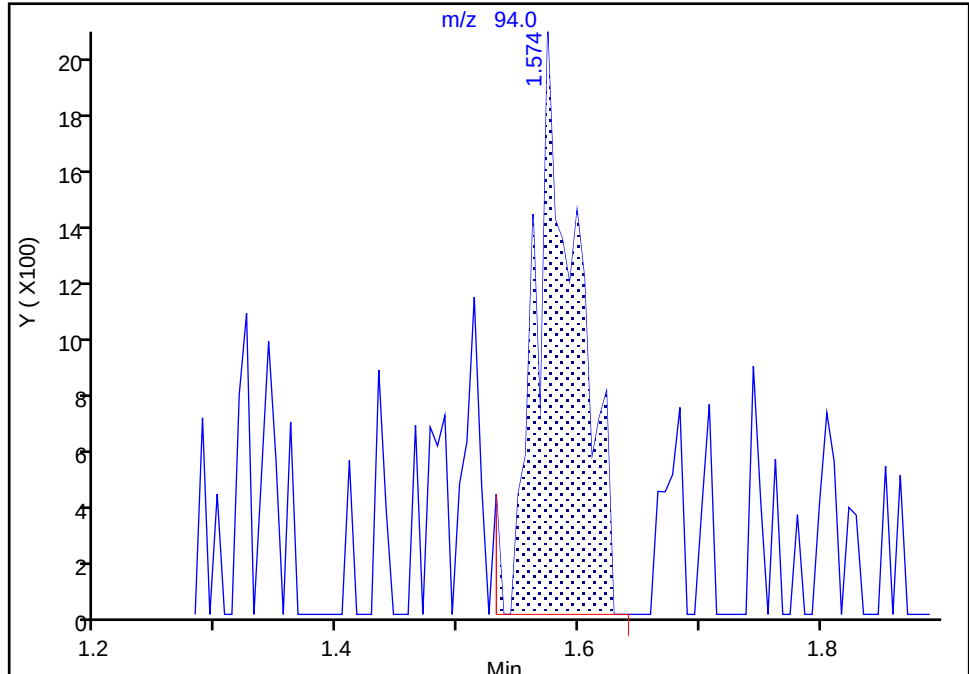
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Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

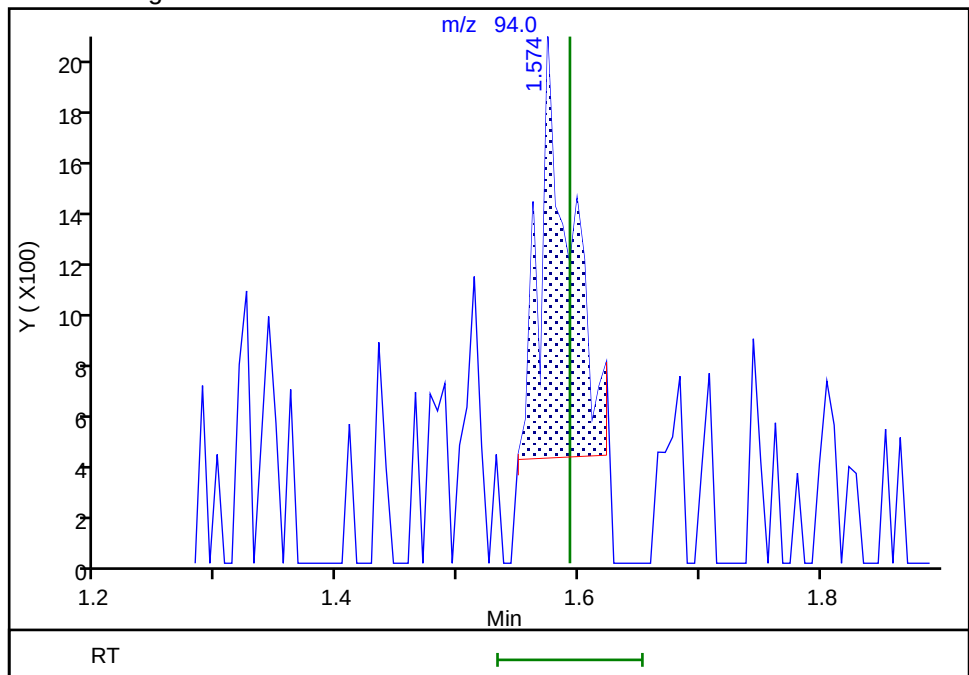
RT: 1.57
Area: 5200
Amount: 0.578862
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 3057
Amount: 0.380312
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:43:46
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 79 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

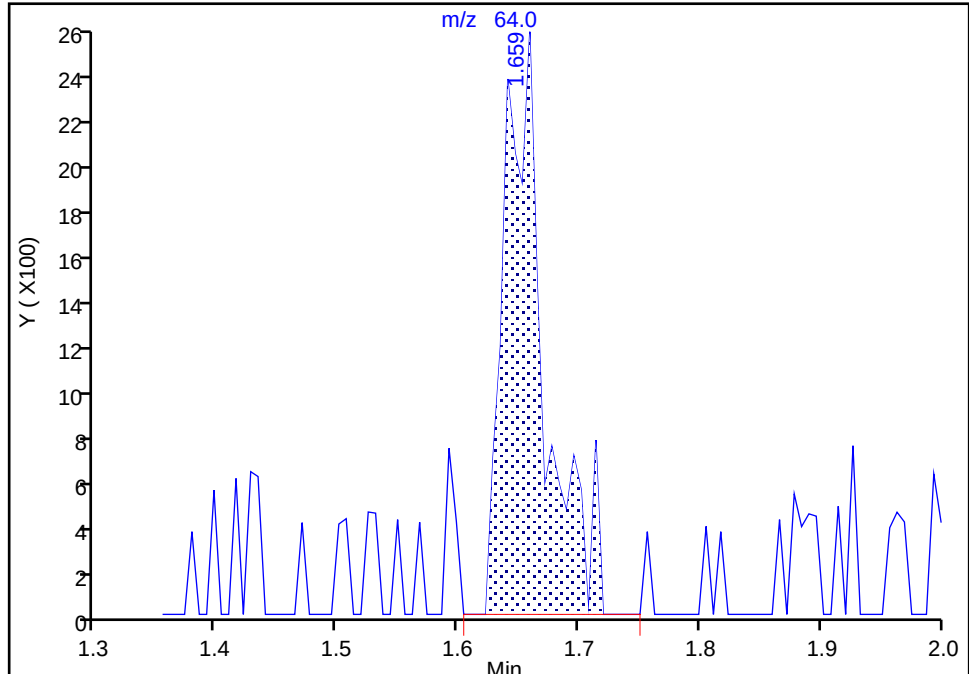
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

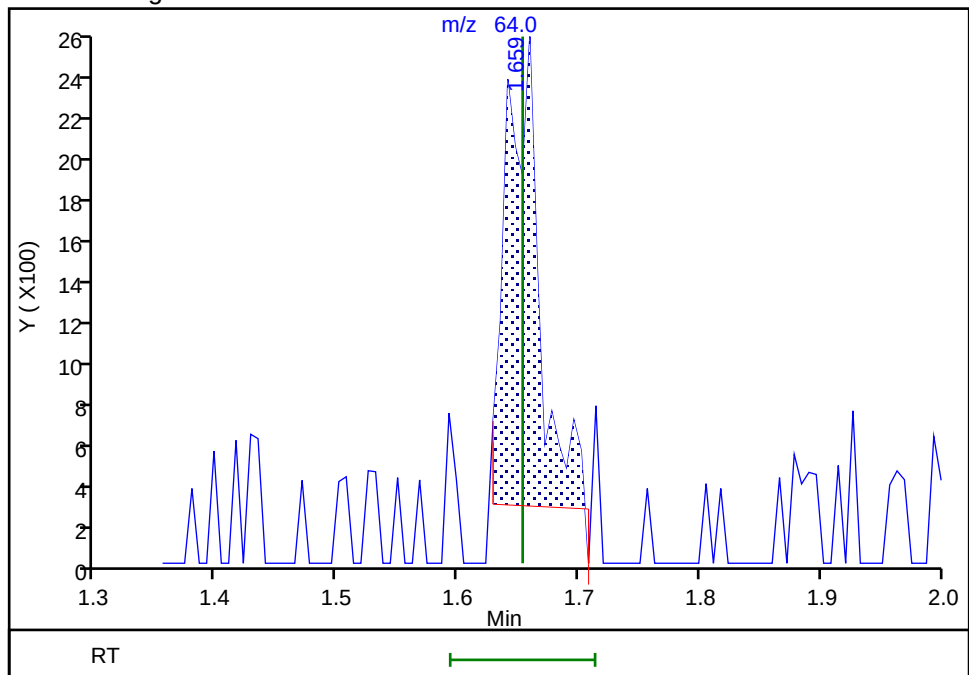
RT: 1.66
Area: 5909
Amount: 0.609423
Amount Units: ug/L

Processing Integration Results



RT: 1.66
Area: 4252
Amount: 0.458100
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:44:03
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 80 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D

Injection Date: 02-Nov-2021 16:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

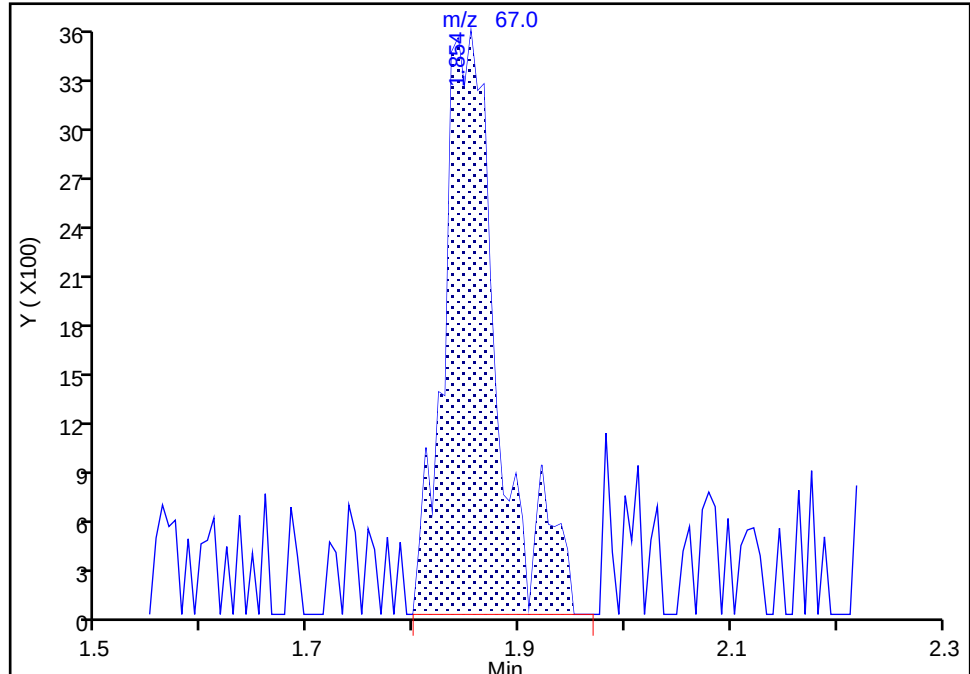
Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

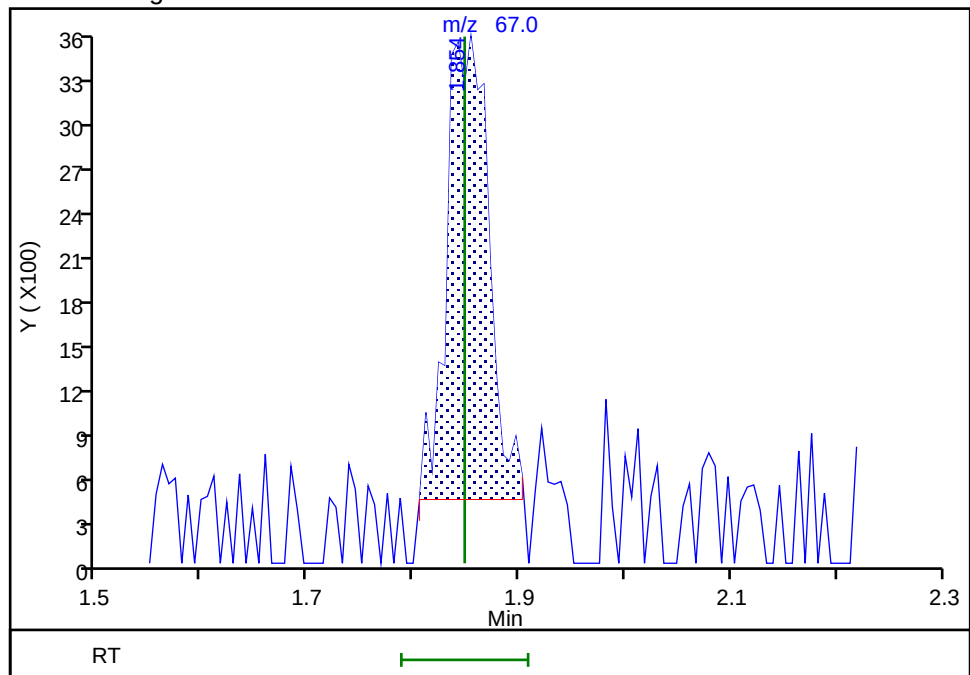
RT: 1.85
Area: 12700
Amount: 0.596906
Amount Units: ug/L

Processing Integration Results



RT: 1.85
Area: 8736
Amount: 0.430655
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:44:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

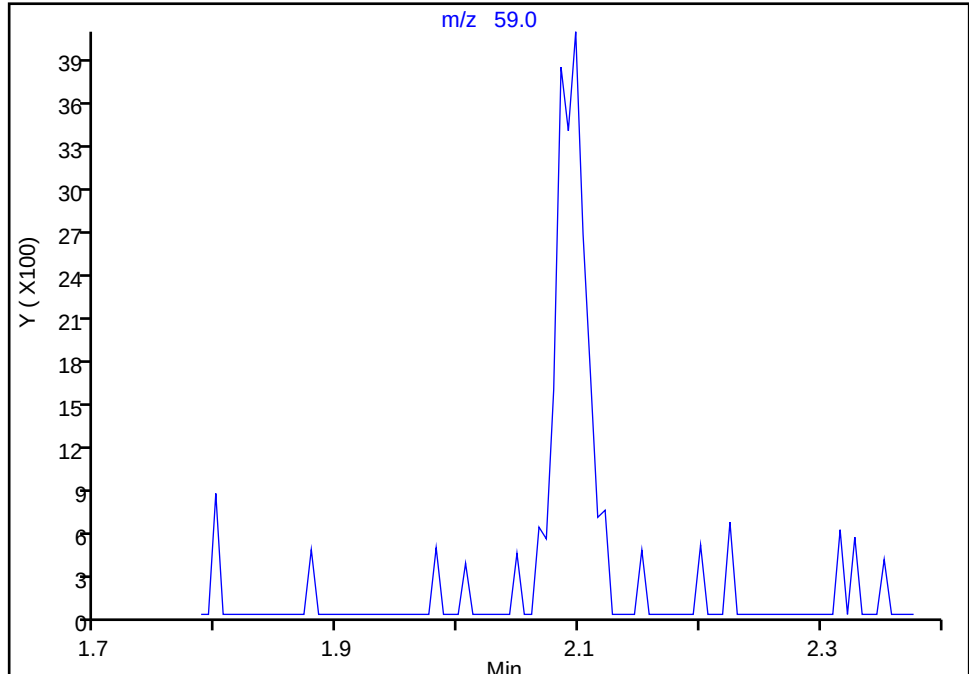
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

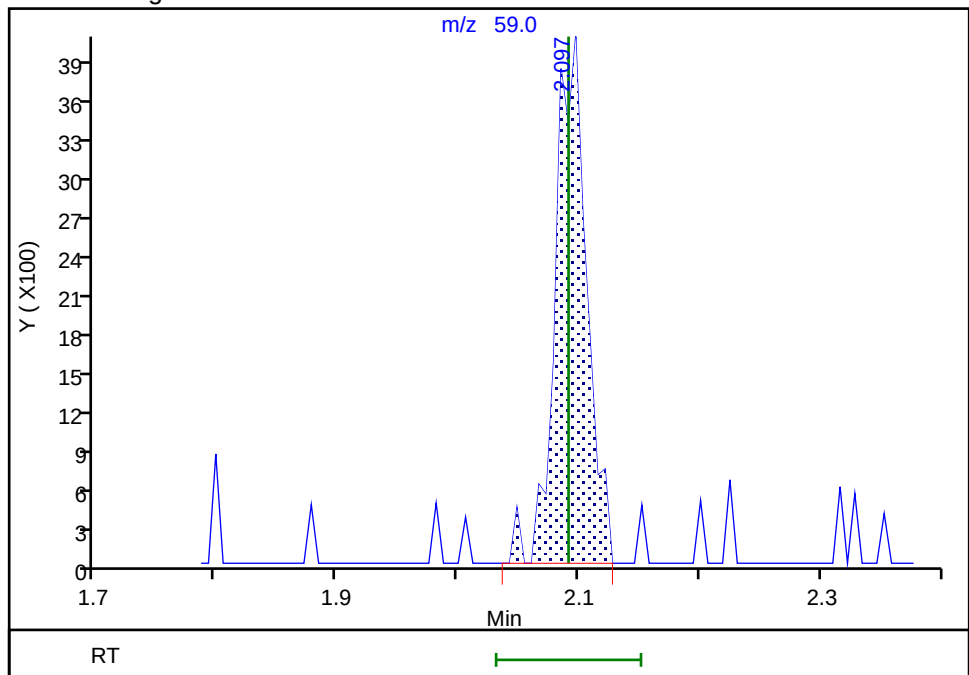
Not Detected
Expected RT: 2.09

Processing Integration Results



RT: 2.10
Area: 7277
Amount: 0.573985
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:44:54
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

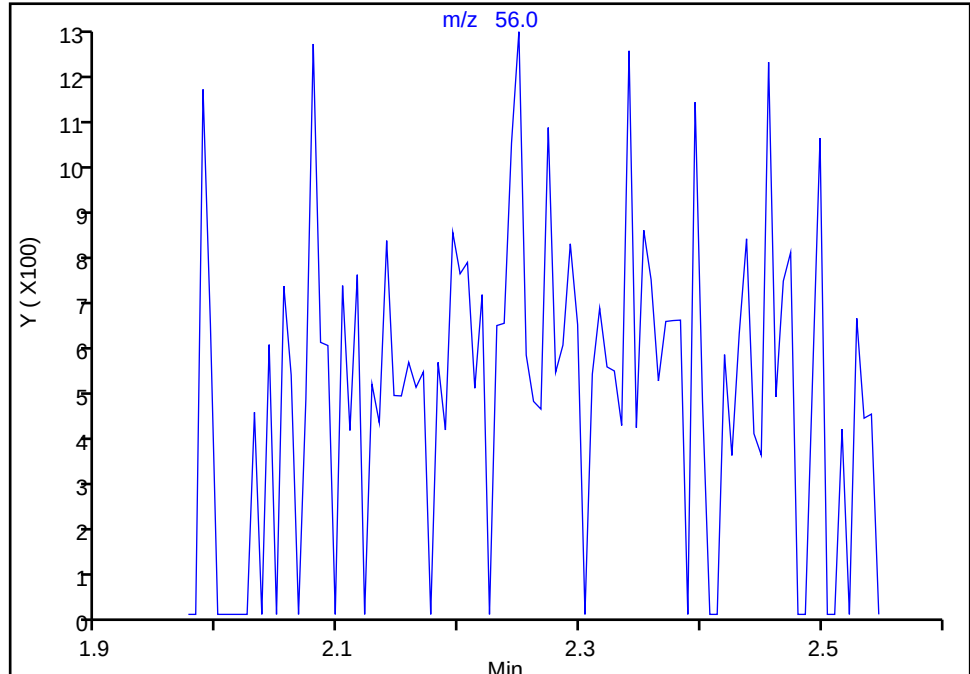
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

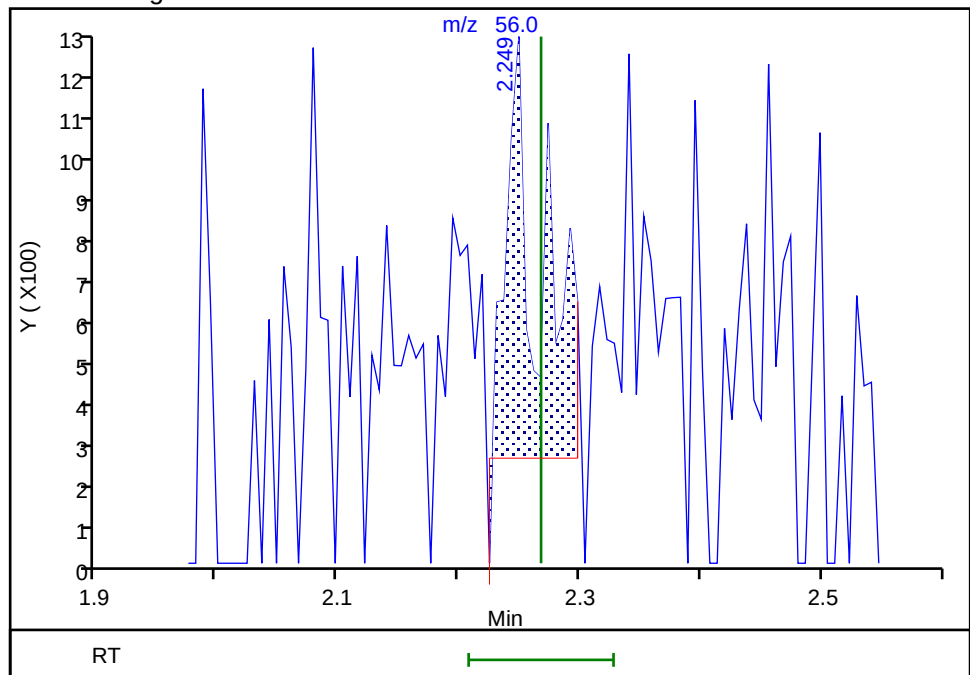
Not Detected
Expected RT: 2.27

Processing Integration Results



RT: 2.25
Area: 1976
Amount: 2.749237
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:55:29
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 83 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D

Injection Date: 02-Nov-2021 16:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

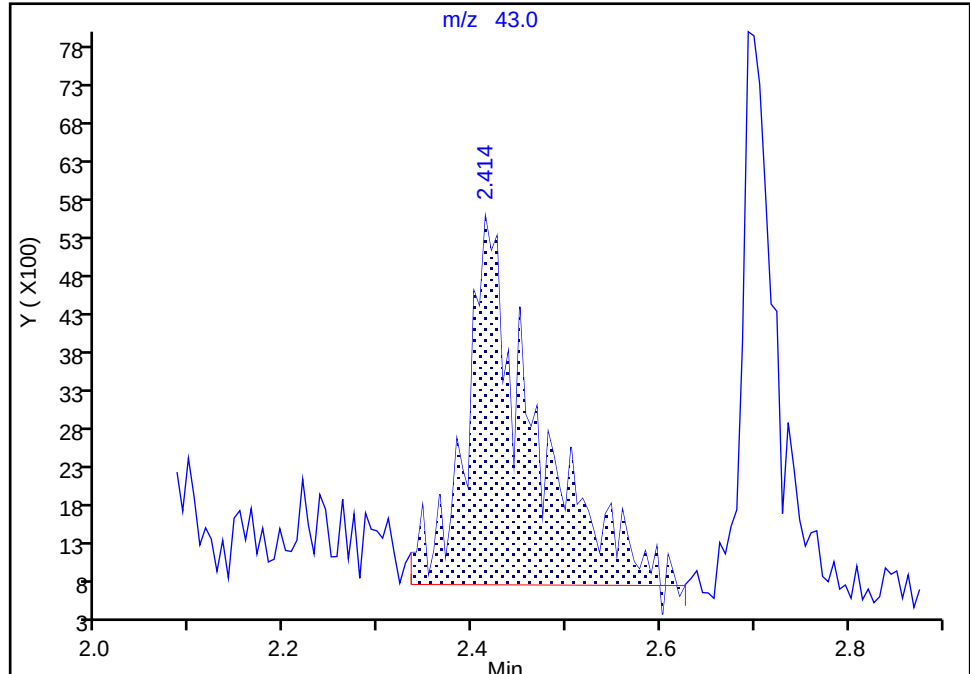
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

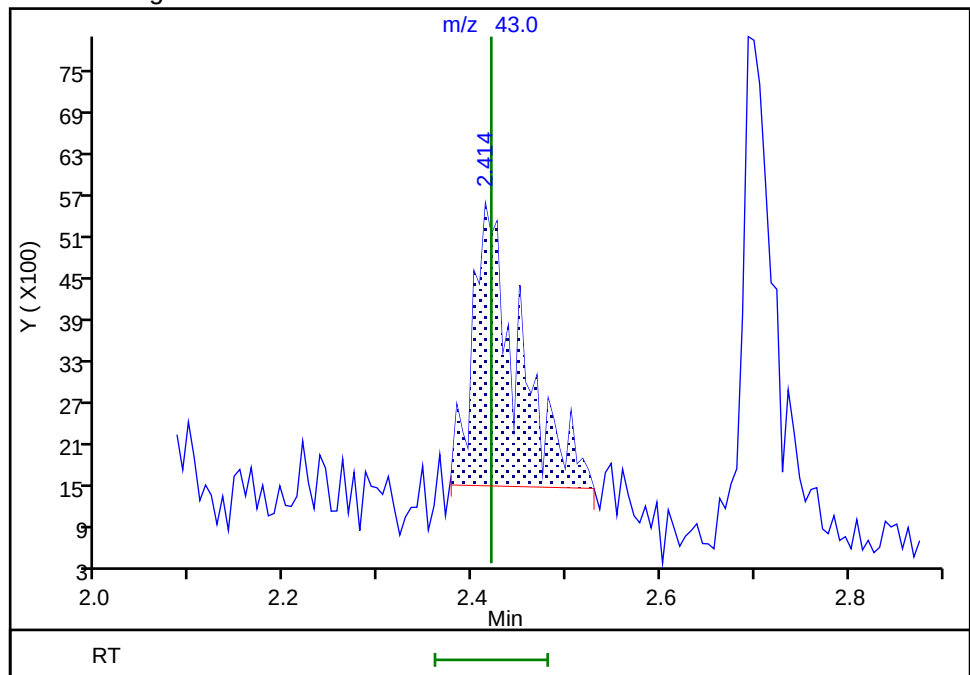
RT: 2.41
Area: 23888
Amount: 3.261258
Amount Units: ug/L

Processing Integration Results



RT: 2.41
Area: 13569
Amount: 2.037350
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:46:25

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

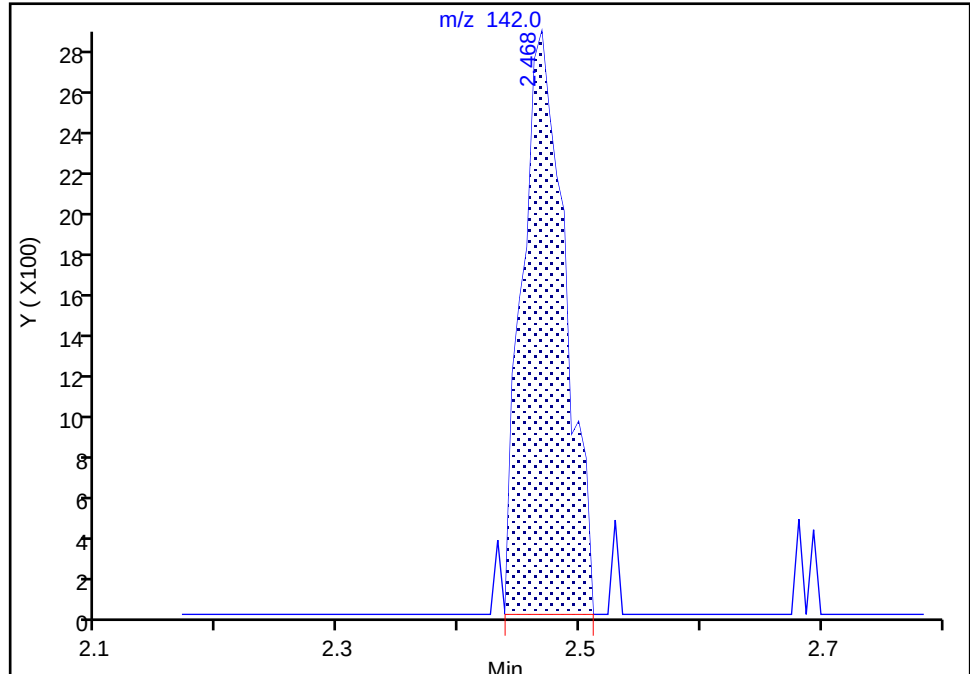
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

25 Iodomethane, CAS: 74-88-4

Signal: 1

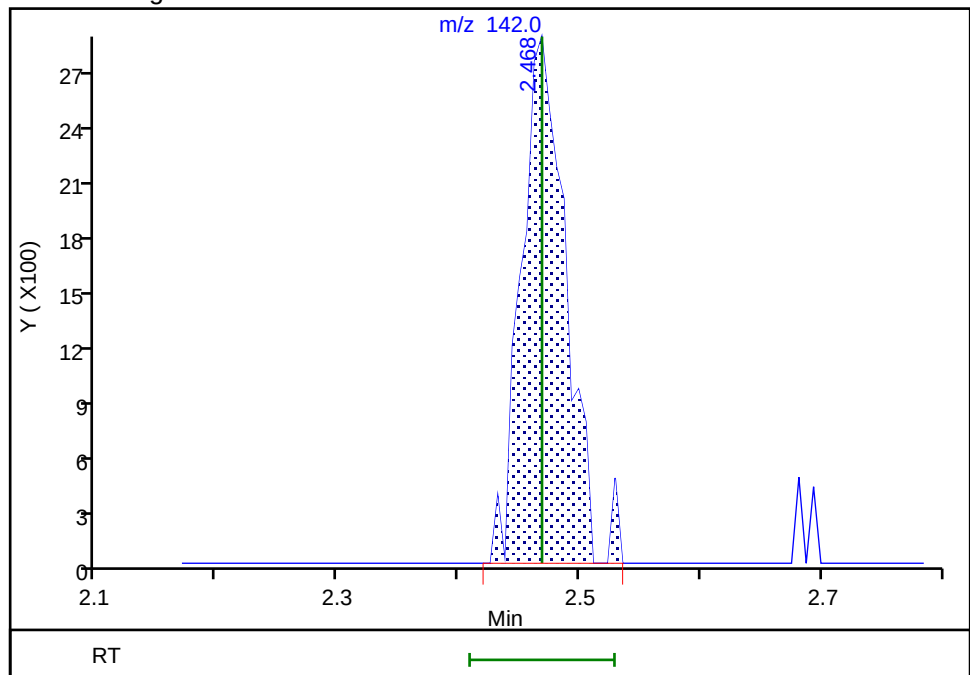
RT: 2.47
Area: 7089
Amount: 0.462208
Amount Units: ug/L

Processing Integration Results



RT: 2.47
Area: 7393
Amount: 0.479653
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:46:34
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 85 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D

Injection Date: 02-Nov-2021 16:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

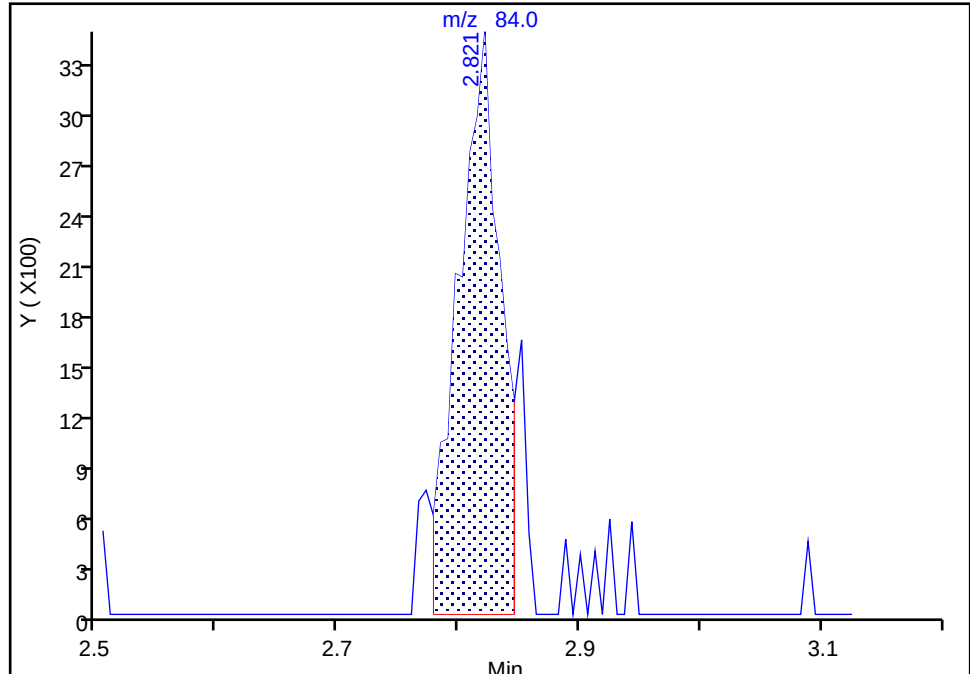
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

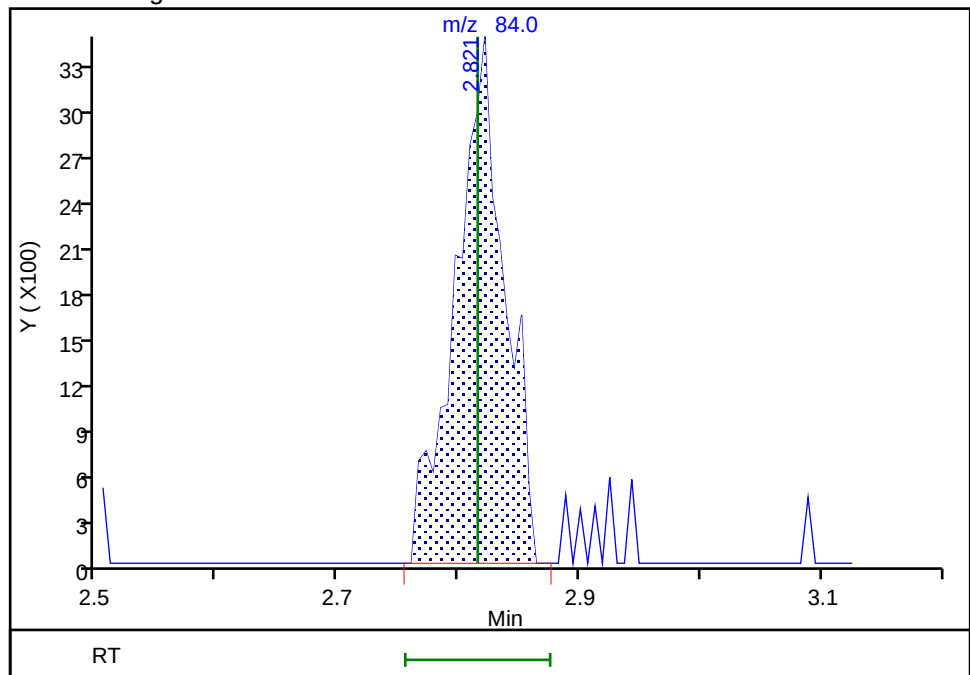
RT: 2.82
Area: 8369
Amount: 0.701259
Amount Units: ug/L

Processing Integration Results



RT: 2.82
Area: 9637
Amount: 0.571536
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:46:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

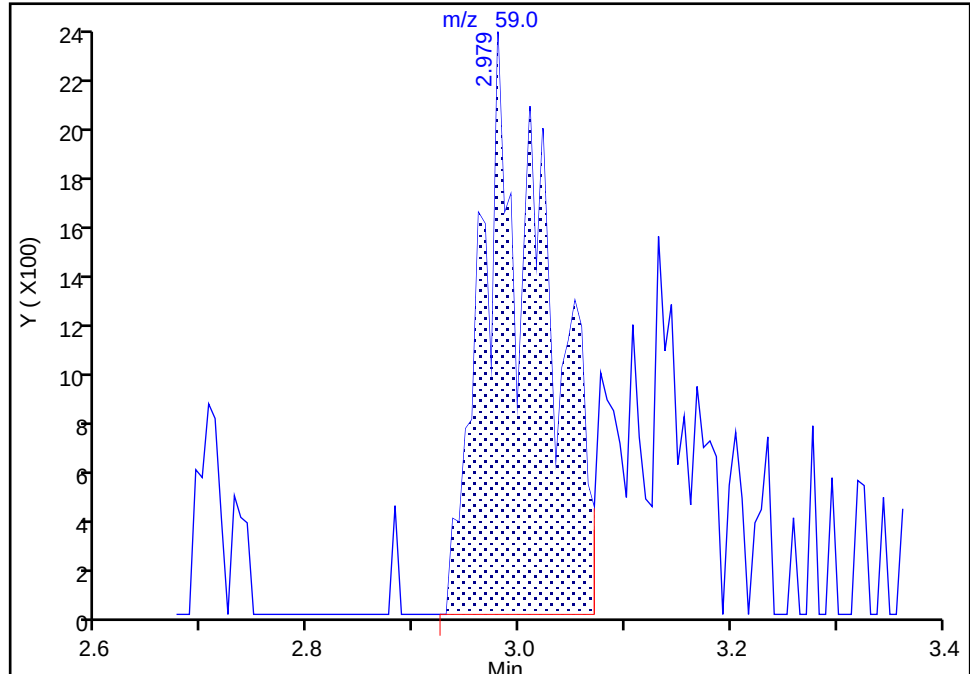
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

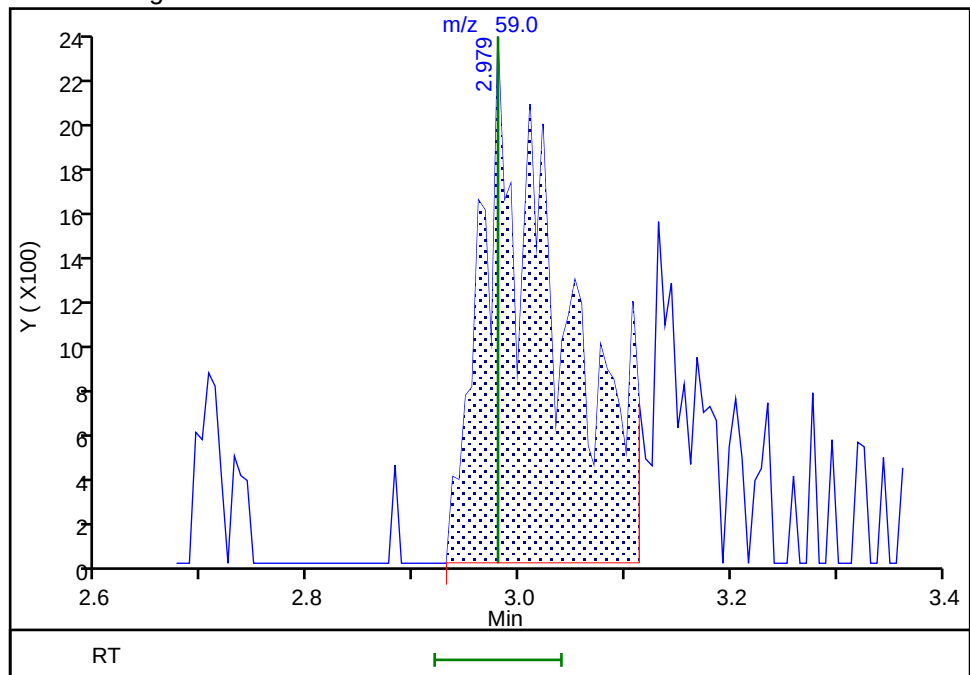
RT: 2.98
Area: 9698
Amount: 4.017966
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 11723
Amount: 5.203345
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:47:02
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 87 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

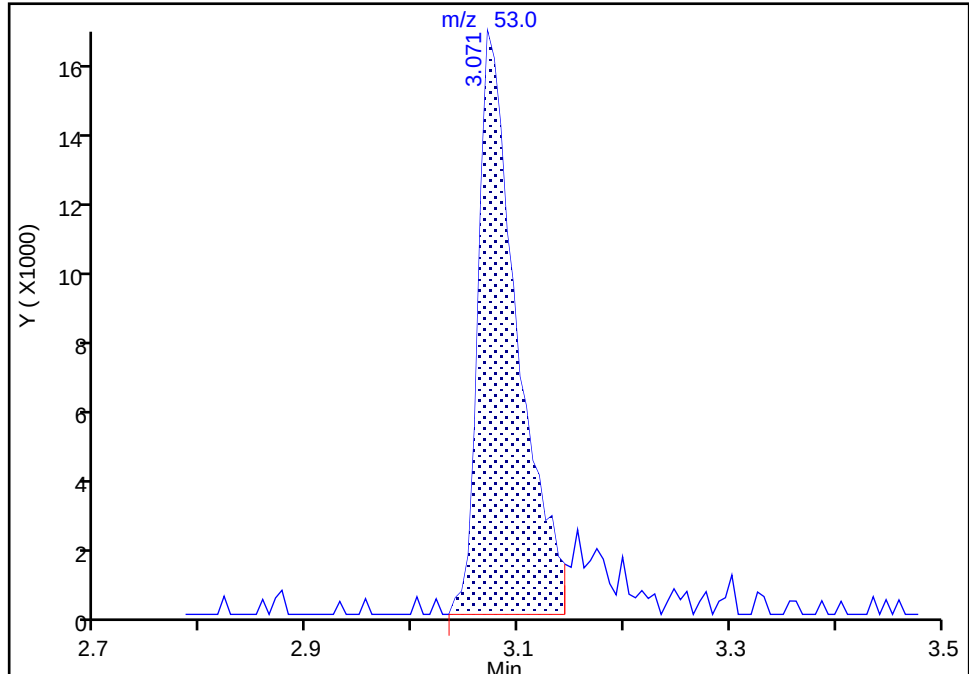
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

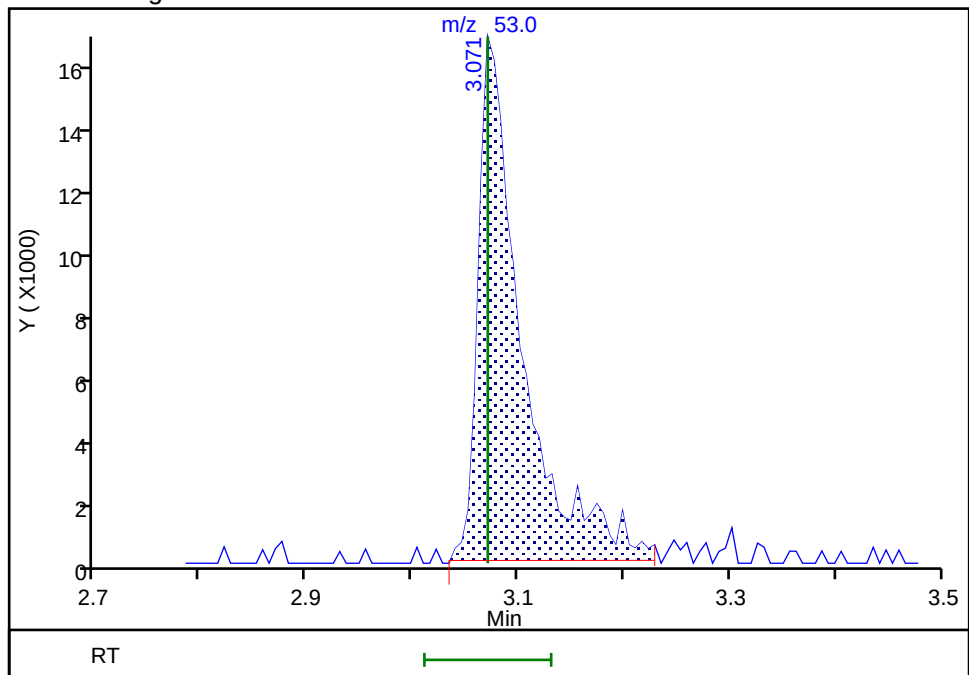
RT: 3.07
Area: 41981
Amount: 5.171811
Amount Units: ug/L

Processing Integration Results



RT: 3.07
Area: 46633
Amount: 5.550976
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:47:23

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

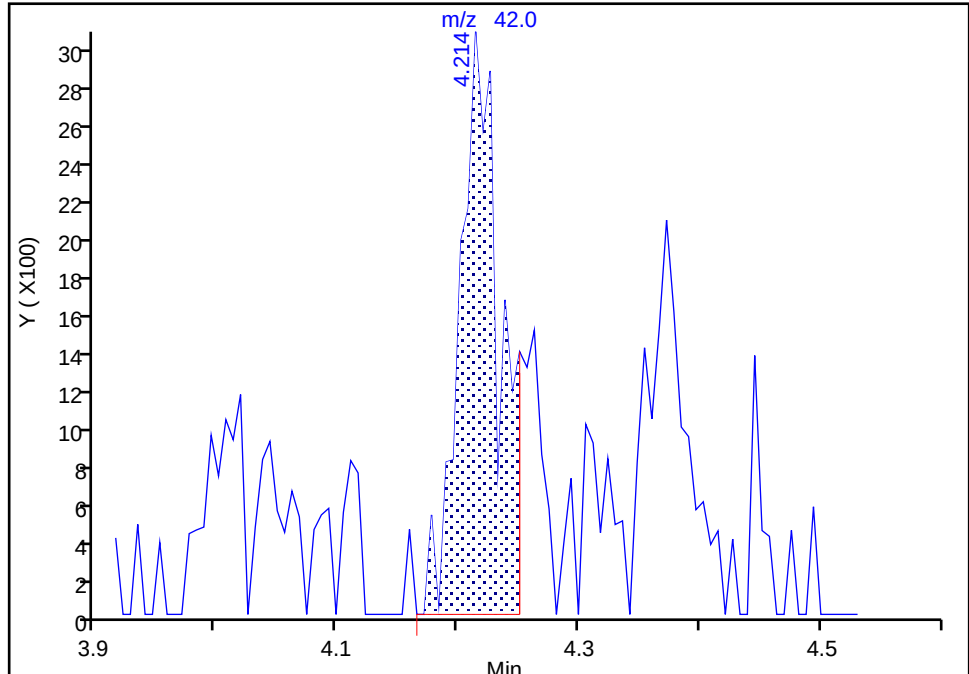
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

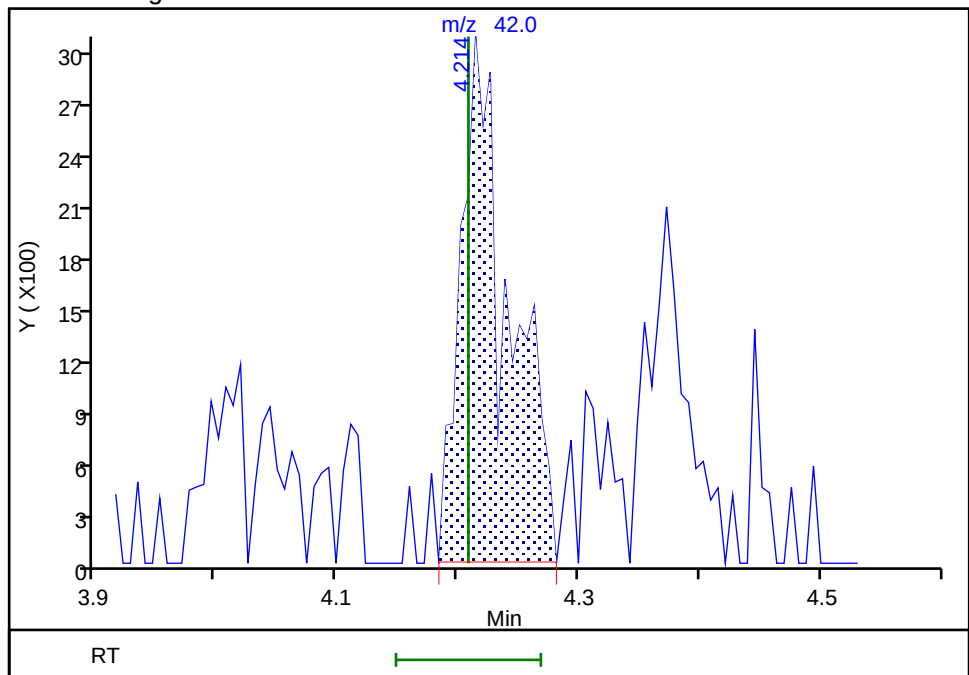
RT: 4.21
Area: 7015
Amount: 0.987725
Amount Units: ug/L

Processing Integration Results



RT: 4.21
Area: 8289
Amount: 1.111846
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:47:45
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 89 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

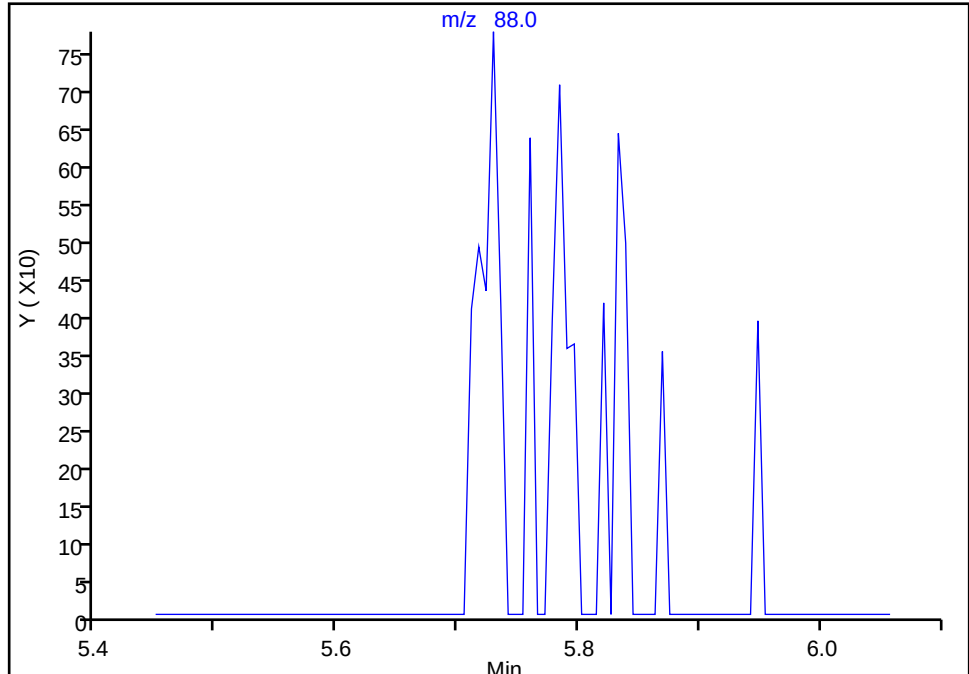
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

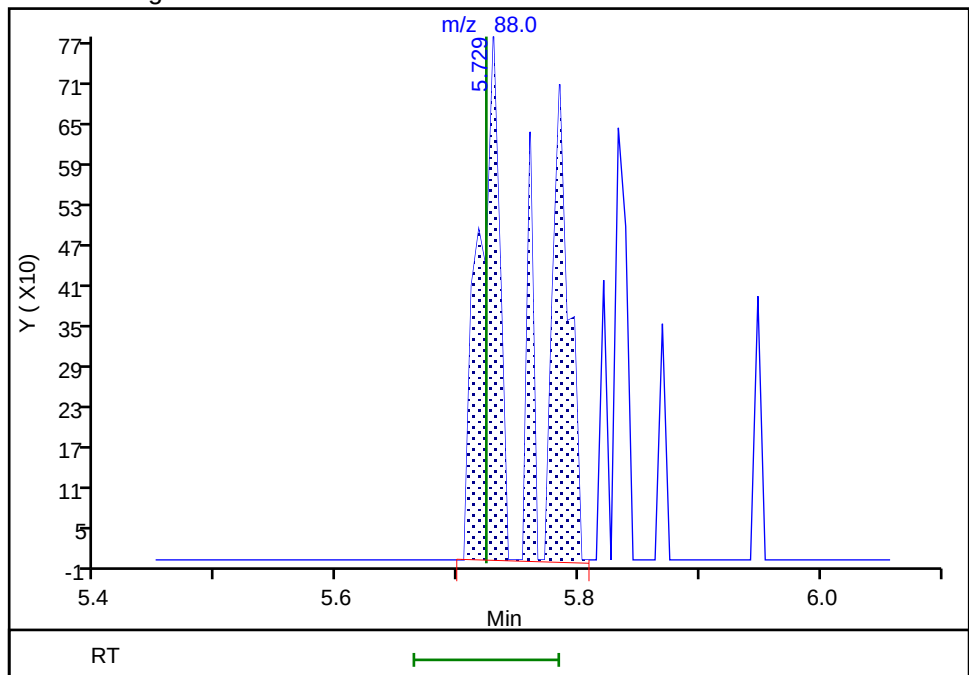
Signal: 1

Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results



RT: 5.73
Area: 1834
Amount: 10.553300
Amount Units: ug/L

Reviewer: HillL, 03-Nov-2021 10:48:19
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 90 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D

Injection Date: 02-Nov-2021 16:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

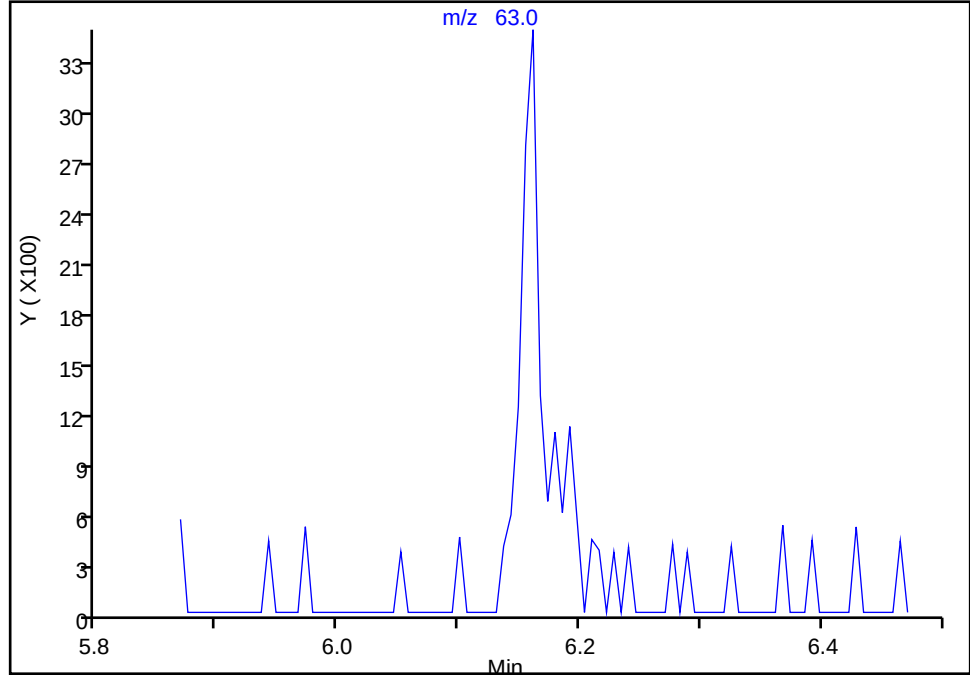
69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

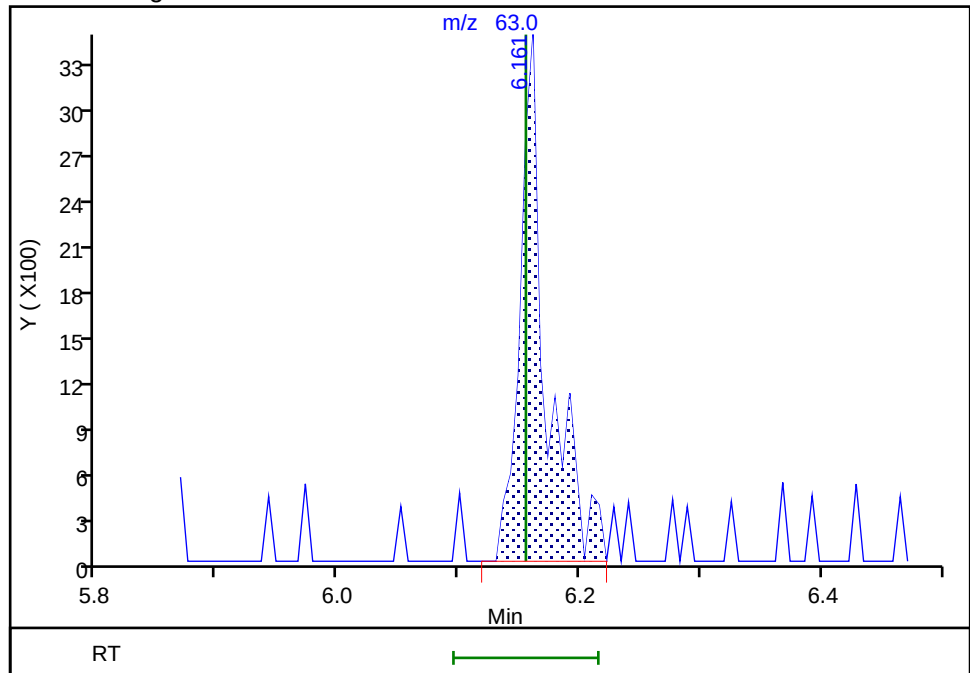
Not Detected

Expected RT: 6.16

Processing Integration Results



Manual Integration Results



RT: 6.16

Area: 5200

Amount: 0.545979

Amount Units: ug/L

Reviewer: HillL, 03-Nov-2021 10:48:30

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

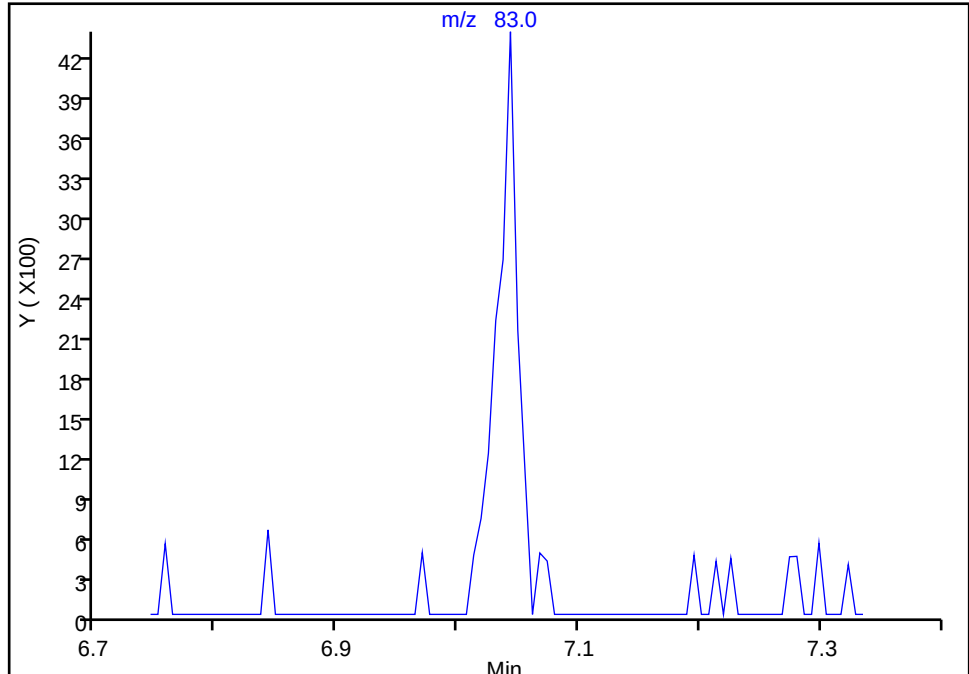
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

79 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

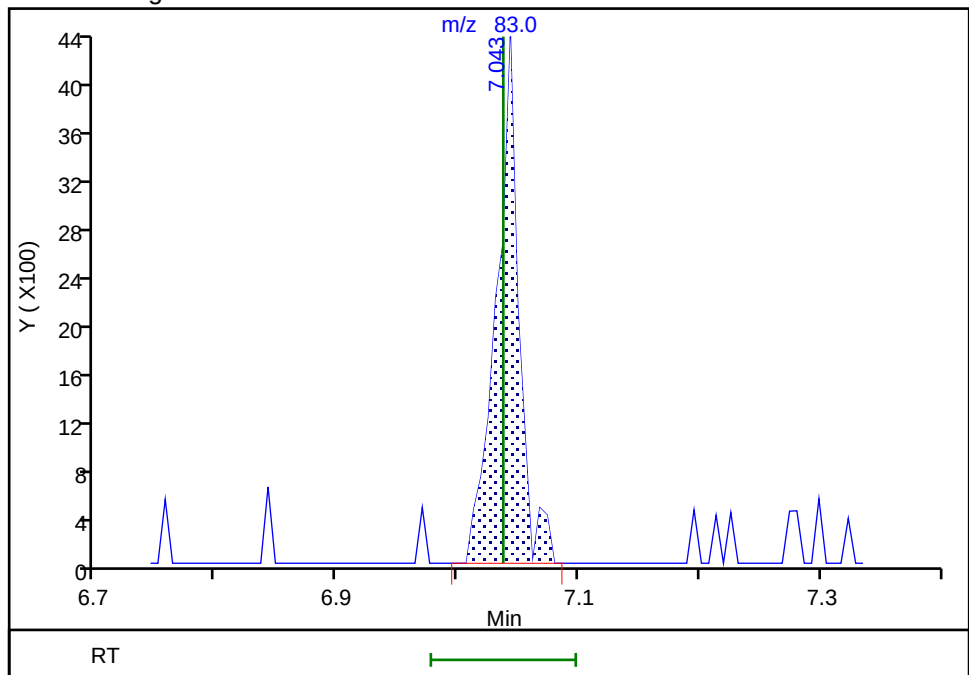
Not Detected
Expected RT: 7.04

Processing Integration Results



RT: 7.04
Area: 5642
Amount: 0.595170
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:48:44
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 92 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

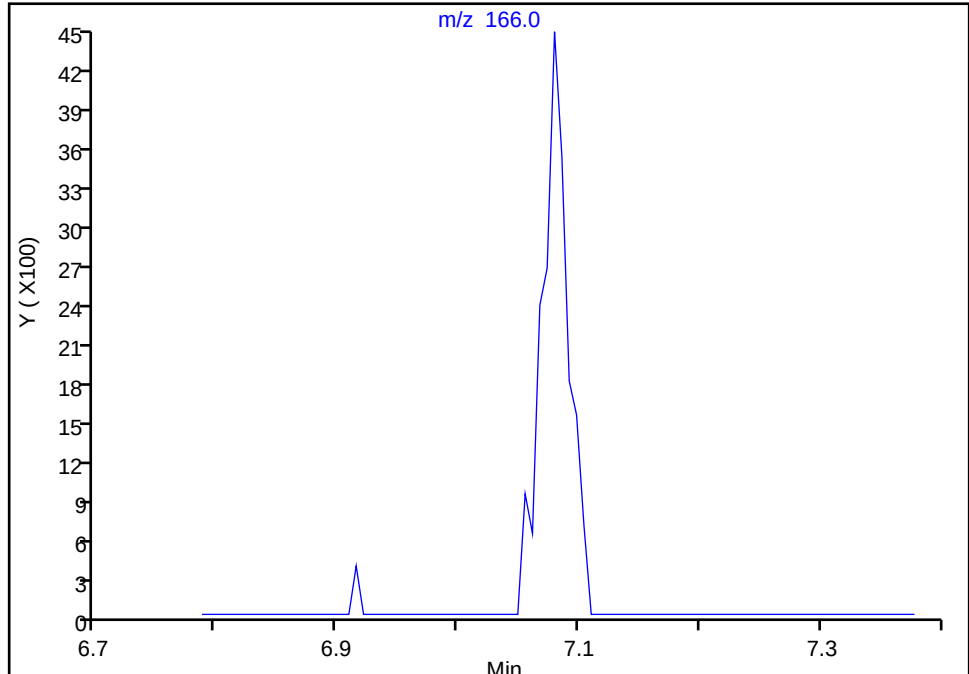
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

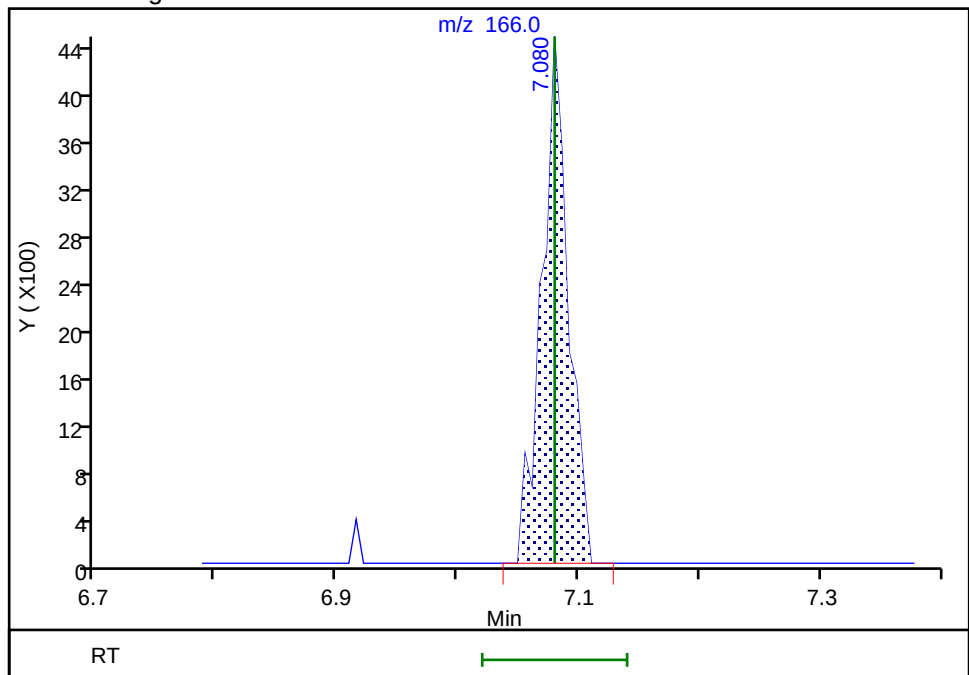
Not Detected
Expected RT: 7.08

Processing Integration Results



RT: 7.08
Area: 6825
Amount: 0.521893
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:48:49
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 93 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

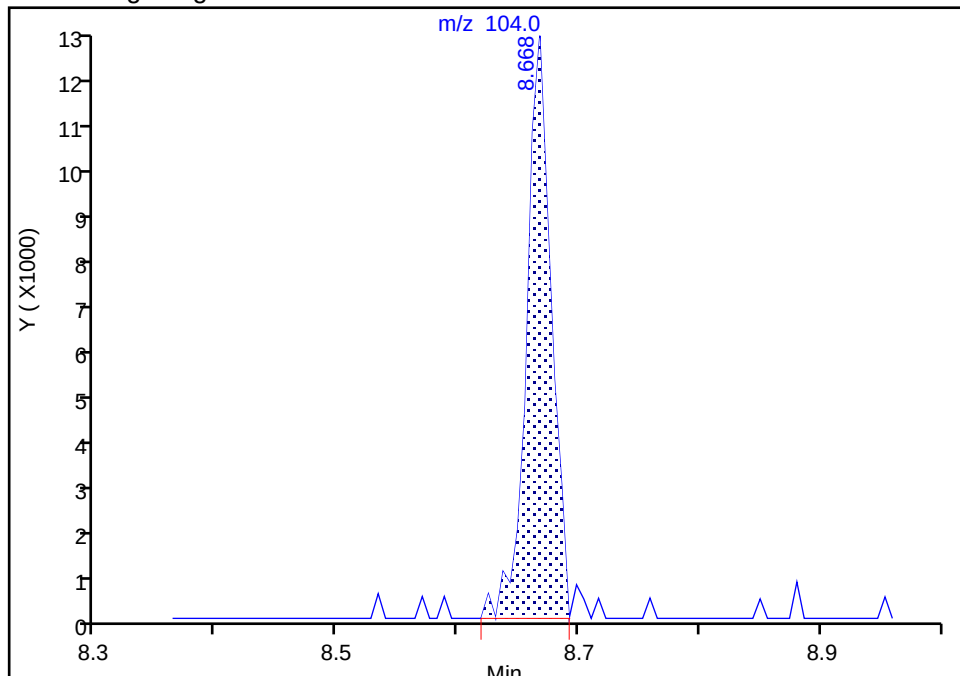
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D
Injection Date: 02-Nov-2021 16:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Signal: 1

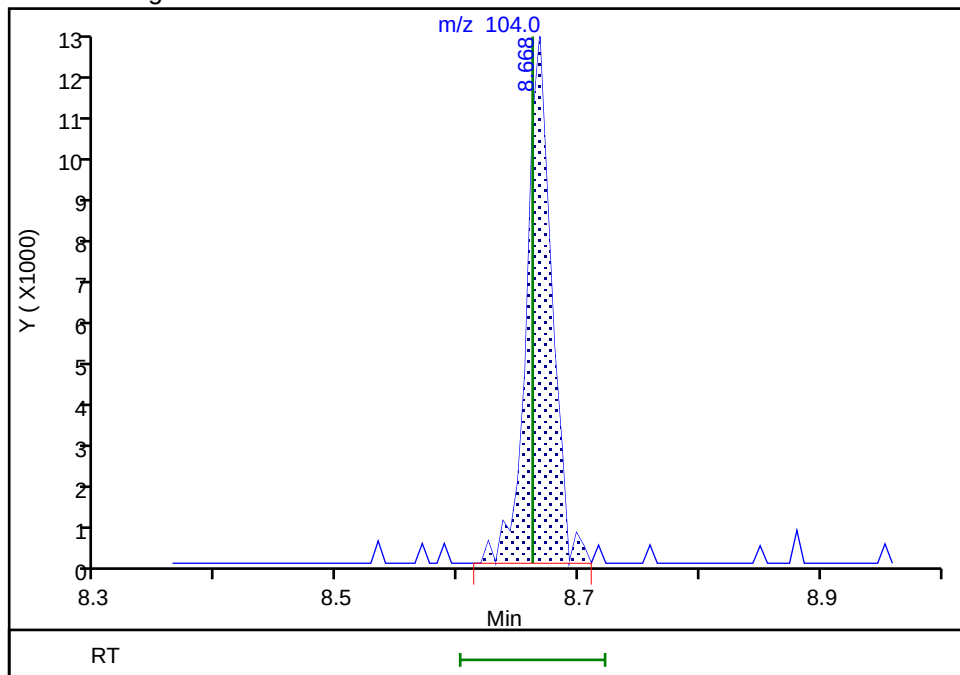
RT: 8.67
Area: 17064
Amount: 0.478325
Amount Units: ug/L

Processing Integration Results



RT: 8.67
Area: 17464
Amount: 0.488169
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:49:04

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5630.D

Injection Date: 02-Nov-2021 16:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

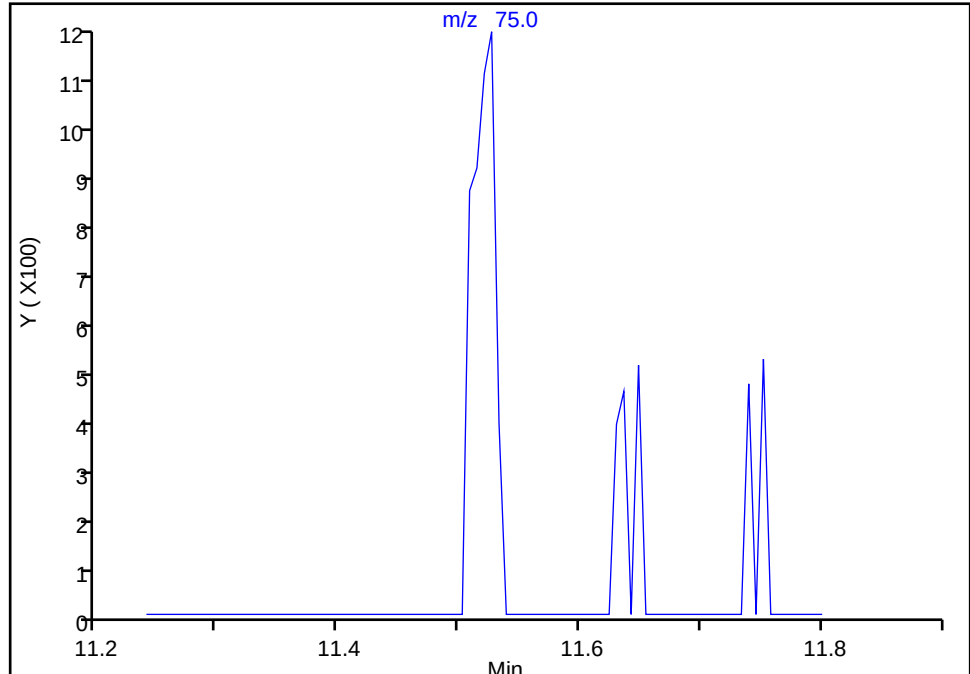
117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

Not Detected

Expected RT: 11.52

Processing Integration Results



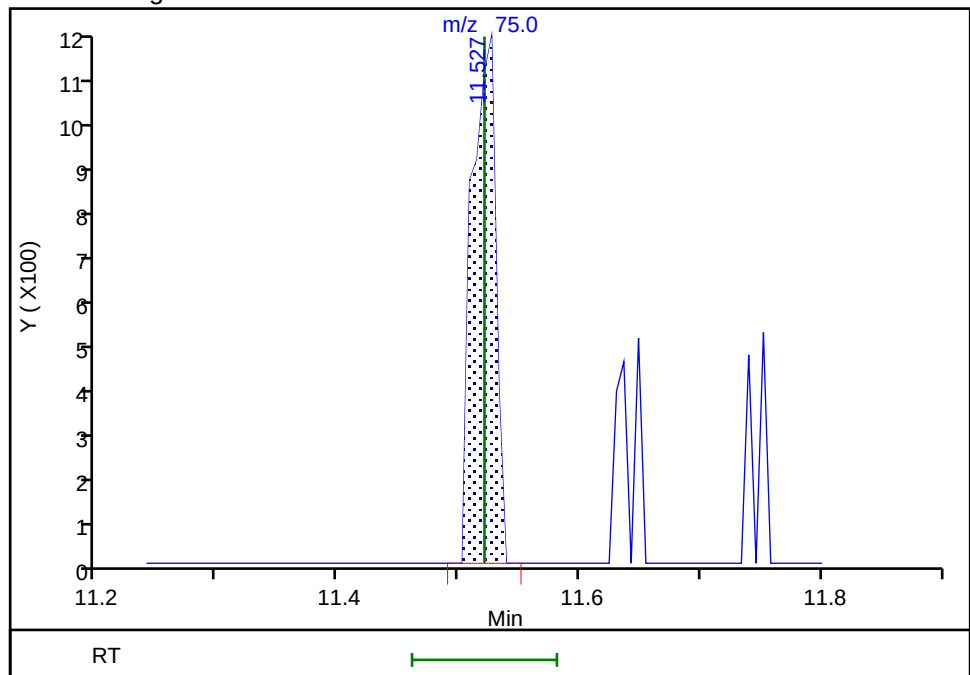
RT: 11.53

Area: 1581

Amount: 0.440409

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:50:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5631.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 02-Nov-2021 16:25:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0102107-005
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:15:59 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 10:52:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	169215	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	89	341823	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	94	308918	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	0.000	55	217764	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	93	154531	25.0	26.0	
\$ 5 Toluene-d8 (Surr)	98	6.490	6.496	-0.006	83	887886	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	89	261625	25.0	24.9	
10 Dichlorodifluoromethane	85	1.081	1.082	-0.001	69	9286	1.00	0.9288	
12 Chloromethane	50	1.246	1.240	0.006	67	20892	1.00	1.17	
13 Vinyl chloride	62	1.313	1.313	0.000	59	15438	1.00	1.03	
151 Butadiene	54	1.325	1.325	0.000	62	18982	1.00	1.01	
14 Bromomethane	94	1.580	1.593	-0.013	48	9070	1.00	1.14	M
15 Chloroethane	64	1.653	1.653	0.000	50	9781	1.00	1.07	
17 Trichlorofluoromethane	101	1.842	1.848	-0.006	51	15661	1.00	0.9638	
16 Dichlorofluoromethane	67	1.854	1.848	0.006	46	22122	1.00	1.10	
18 Ethyl ether	59	2.097	2.091	0.006	89	11693	1.00	0.9338	
20 Acrolein	56	2.268	2.268	0.000	21	3740	5.00	5.27	M
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.298	2.304	-0.006	56	8326	1.00	0.9419	
22 1,1-Dichloroethene	96	2.310	2.316	-0.006	80	9021	1.00	1.00	
23 Acetone	43	2.420	2.420	0.000	97	40275	5.00	6.12	
25 Iodomethane	142	2.469	2.469	0.000	79	15126	1.00	0.99	
26 Carbon disulfide	76	2.499	2.499	0.000	90	31803	1.00	0.9583	
28 3-Chloro-1-propene	41	2.645	2.651	-0.006	83	24835	1.00	1.02	
27 Methyl acetate	43	2.700	2.700	0.000	95	37254	2.00	2.24	
30 Methylene Chloride	84	2.815	2.815	0.000	71	13870	1.00	0.9518	M
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	44	22146	10.0	9.95	
32 Methyl tert-butyl ether	73	2.992	2.998	-0.006	88	38139	1.00	1.00	
34 trans-1,2-Dichloroethene	96	3.004	3.010	-0.006	67	11256	1.00	0.9886	
33 Acrylonitrile	53	3.077	3.071	0.006	97	83347	10.0	10.0	M
35 Hexane	57	3.192	3.199	-0.007	83	21566	1.00	0.9837	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.411	3.418	-0.007	59	21077	1.00	0.9231	
37 Vinyl acetate	43	3.478	3.478	0.000	96	82162	2.00	2.00	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	63	10334	1.00	0.9566	
45 cis-1,2-Dichloroethene	96	3.965	3.959	0.006	57	13116	1.00	1.04	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	88	43282	5.00	4.09	
48 Chlorobromomethane	128	4.196	4.196	0.000	68	7110	1.00	1.13	
49 Tetrahydrofuran	42	4.215	4.208	0.006	87	15402	2.00	2.09	
50 Chloroform	83	4.275	4.275	0.000	75	18931	1.00	0.9116	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	59	16404	1.00	0.9525	
52 Cyclohexane	56	4.373	4.379	-0.006	83	23067	1.00	0.8902	
55 Carbon tetrachloride	117	4.513	4.507	0.006	75	10684	1.00	0.8088	
54 1,1-Dichloropropene	75	4.519	4.525	-0.006	73	14861	1.00	0.9433	
57 Benzene	78	4.726	4.726	0.000	40	44956	1.00	0.9637	
53 Isobutyl alcohol	43	4.786	4.774	0.012	77	28204	25.0	25.2	
58 1,2-Dichloroethane	62	4.799	4.799	0.000	78	19085	1.00	0.9415	
59 n-Heptane	43	4.908	4.908	0.000	86	26061	1.00	0.9534	
62 Trichloroethene	95	5.334	5.334	0.000	66	11220	1.00	0.9769	
64 Methylcyclohexane	83	5.437	5.437	0.000	83	18149	1.00	0.8754	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	76	14184	1.00	1.04	
67 Dibromomethane	93	5.711	5.705	0.006	74	7693	1.00	1.05	
66 1,4-Dioxane	88	5.729	5.723	0.006	0	3703	20.0	22.7	M
68 Dichlorobromomethane	83	5.863	5.869	-0.006	71	14005	1.00	0.9856	
69 2-Chloroethyl vinyl ether	63	6.161	6.155	0.006	0	8943	1.00	0.9507	M
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	60	18176	1.00	0.9439	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.429	0.006	98	109922	5.00	5.09	
74 Toluene	92	6.557	6.557	0.000	83	27786	1.00	0.9748	
77 trans-1,3-Dichloropropene	75	6.855	6.849	0.006	75	17013	1.00	0.9535	
75 Ethyl methacrylate	69	6.903	6.903	0.000	58	16973	1.00	0.9836	
79 1,1,2-Trichloroethane	83	7.031	7.037	-0.006	72	8407	1.00	0.9457	
81 Tetrachloroethene	166	7.080	7.080	0.000	65	11772	1.00	0.9599	
82 1,3-Dichloropropane	76	7.195	7.189	0.006	73	19924	1.00	1.05	
80 2-Hexanone	43	7.275	7.268	0.007	95	73582	5.00	4.78	
83 Chlorodibromomethane	129	7.427	7.421	0.006	50	9544	1.00	0.9724	
84 Ethylene Dibromide	107	7.524	7.518	0.006	51	11677	1.00	1.03	
87 Chlorobenzene	112	7.992	7.992	0.000	82	30430	1.00	0.9389	
88 Ethylbenzene	91	8.090	8.090	0.000	93	49688	1.00	0.9192	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	23	9525	1.00	0.8671	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	91	19228	1.00	0.9051	
91 o-Xylene	106	8.637	8.631	0.006	85	21481	1.00	1.02	
92 Styrene	104	8.668	8.662	0.006	74	32217	1.00	0.9603	
95 Bromoform	173	8.911	8.905	0.006	41	5798	1.00	0.8801	
94 Isopropylbenzene	105	9.014	9.014	0.000	84	53214	1.00	0.99	
101 Bromobenzene	156	9.361	9.367	-0.006	79	14121	1.00	1.07	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.446	0.006	48	14724	1.00	0.9682	
99 N-Propylbenzene	91	9.465	9.459	0.006	96	58147	1.00	0.9390	
100 1,2,3-Trichloropropane	110	9.471	9.471	0.000	50	5889	1.00	1.12	
98 trans-1,4-Dichloro-2-butene	53	9.507	9.495	0.012	1	2086	1.00	3.35	M
103 2-Chlorotoluene	126	9.556	9.562	-0.006	86	12619	1.00	0.9811	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	85	41910	1.00	0.9128	
105 4-Chlorotoluene	126	9.684	9.684	0.000	61	11687	1.00	0.9149	
106 tert-Butylbenzene	134	9.976	9.976	0.000	80	9232	1.00	0.9087	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	68	44419	1.00	0.9349	

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	10.195	10.189	0.006	80	47005	1.00	0.8212	
111 1,3-Dichlorobenzene	146	10.322	10.322	0.000	78	26018	1.00	0.9893	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	95	47357	1.00	0.8895	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	42	24691	1.00	0.9367	
115 n-Butylbenzene	91	10.736	10.736	0.000	89	43203	1.00	0.9223	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	84	26750	1.00	1.02	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	15	3309	1.00	1.01	
119 1,2,4-Trichlorobenzene	180	12.196	12.190	0.006	80	19496	1.00	0.9453	
120 Hexachlorobutadiene	225	12.312	12.306	0.006	67	7861	1.00	0.8439	
121 Naphthalene	128	12.403	12.403	0.000	91	59252	1.00	0.9678	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	84	20206	1.00	0.9739	
S 123 Total BTEX	1				0			4.78	
S 126 1,3-Dichloropropene, Total	1				0			1.90	
S 125 1,2-Dichloroethene, Total	1				0			2.03	
S 124 Xylenes, Total	1				0			1.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00479

Amount Added: 1.00

Units: uL

8260 CORP mix_00216

Amount Added: 1.00

Units: uL

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5631.D

Injection Date: 02-Nov-2021 16:25:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

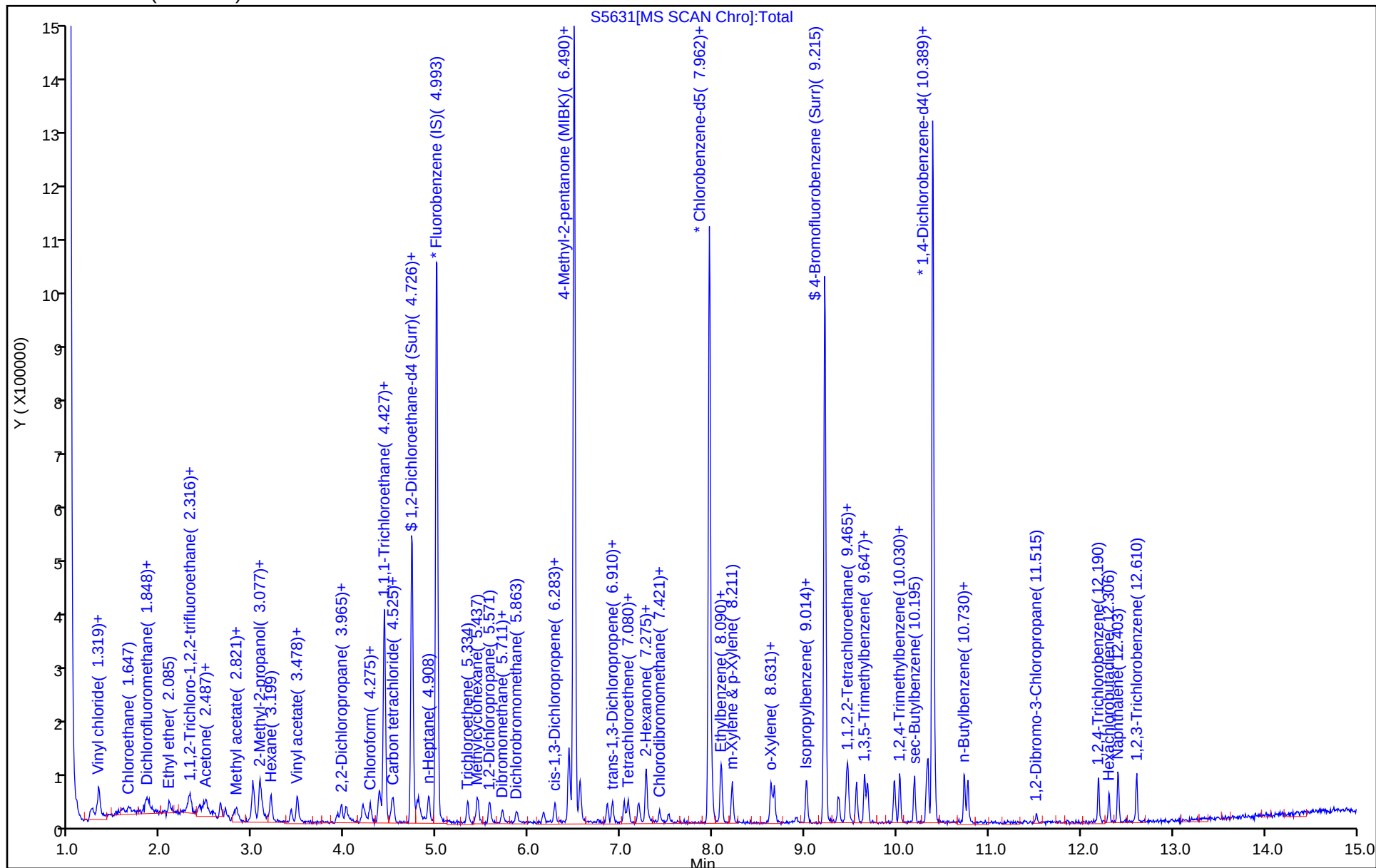
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

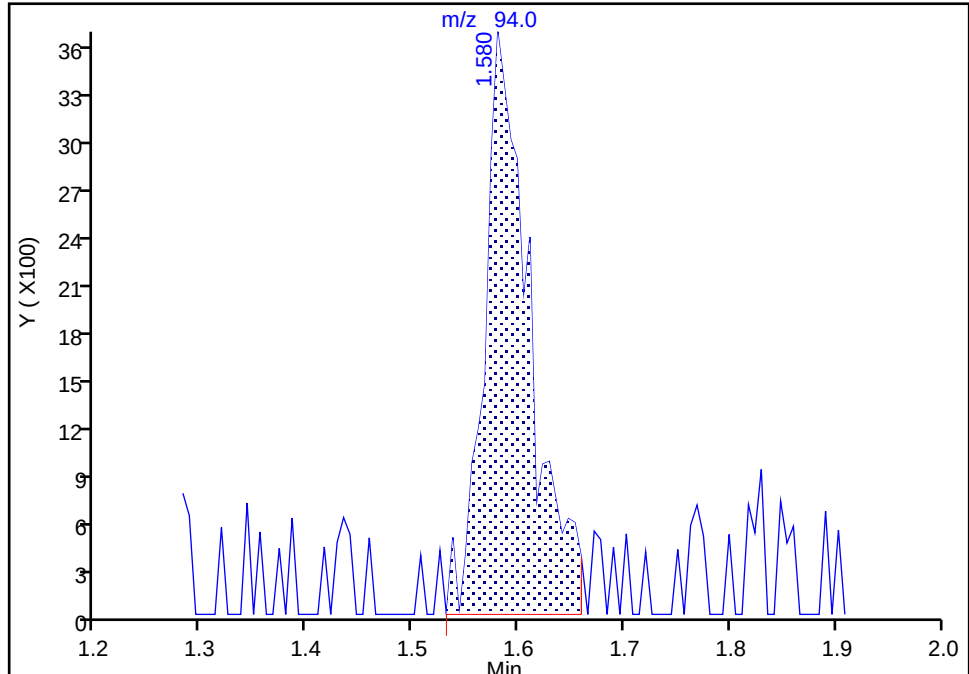
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Injection Date: 02-Nov-2021 16:25:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

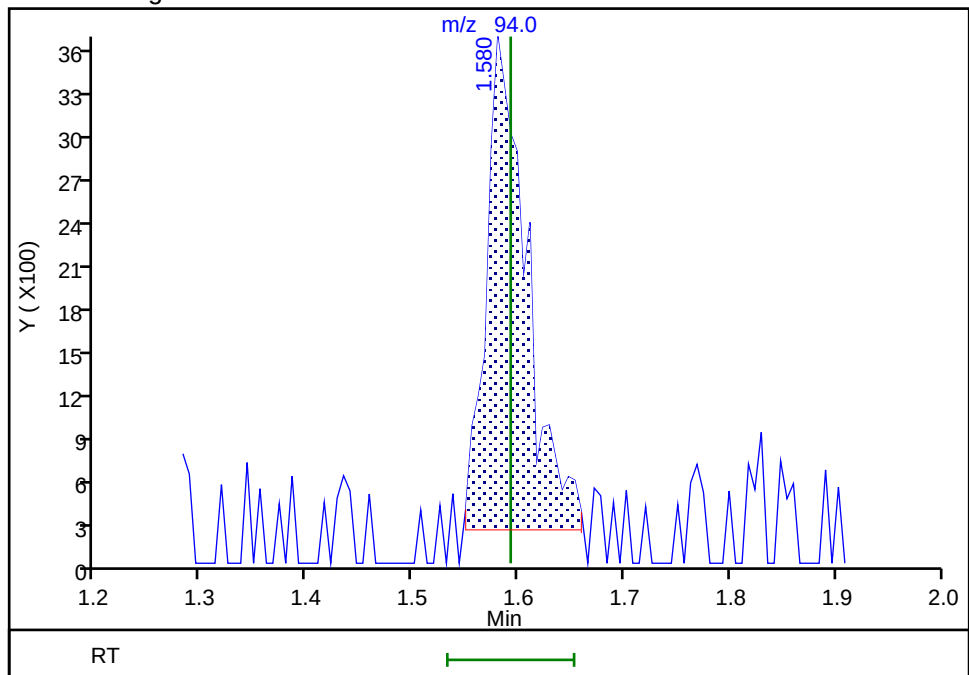
RT: 1.58
Area: 10847
Amount: 1.300114
Amount Units: ug/L

Processing Integration Results



RT: 1.58
Area: 9070
Amount: 1.142473
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:51:05

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5631.D

Injection Date: 02-Nov-2021 16:25:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

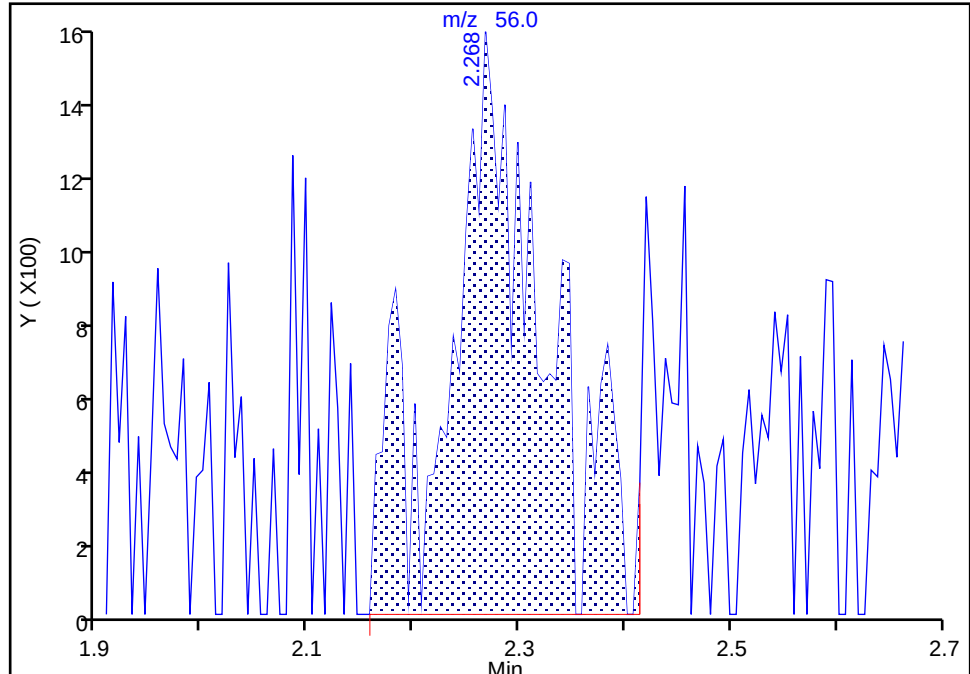
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

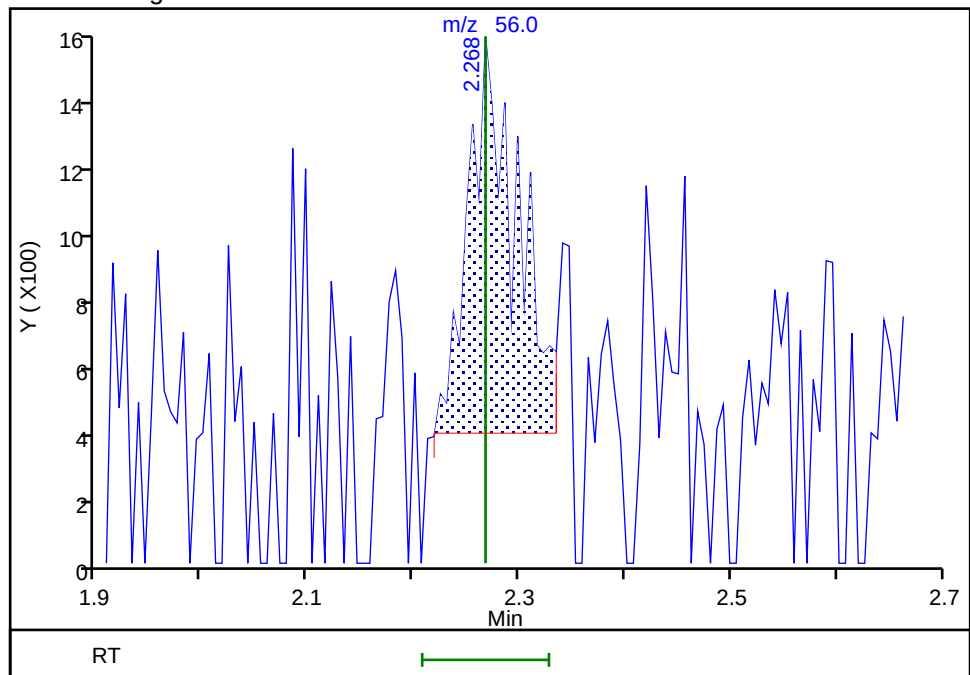
RT: 2.27
Area: 10113
Amount: 11.638441
Amount Units: ug/L

Processing Integration Results



RT: 2.27
Area: 3740
Amount: 5.268554
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:55:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

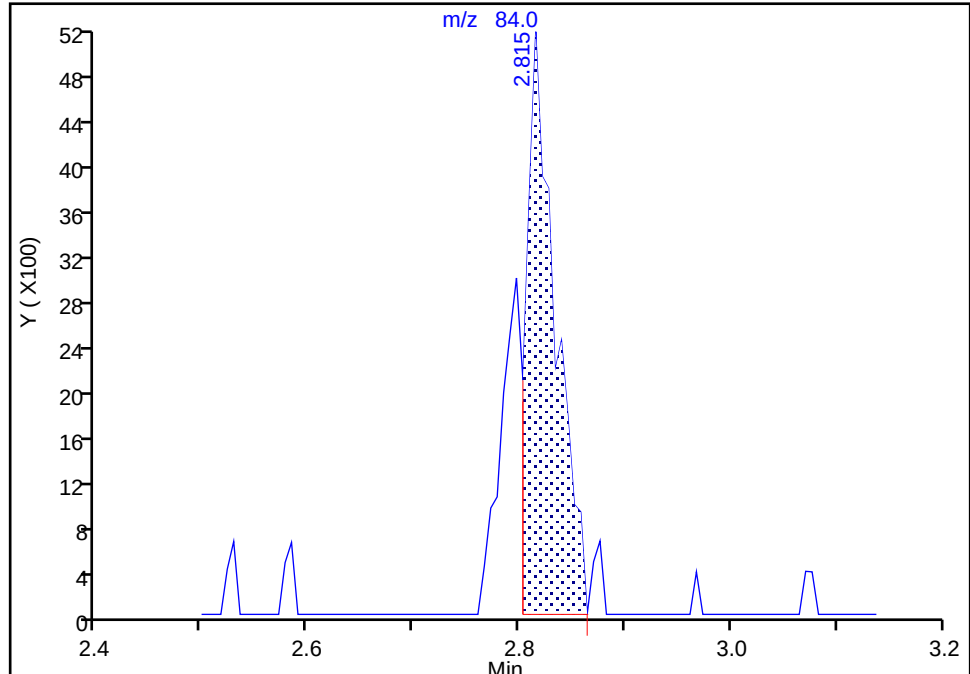
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Injection Date: 02-Nov-2021 16:25:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

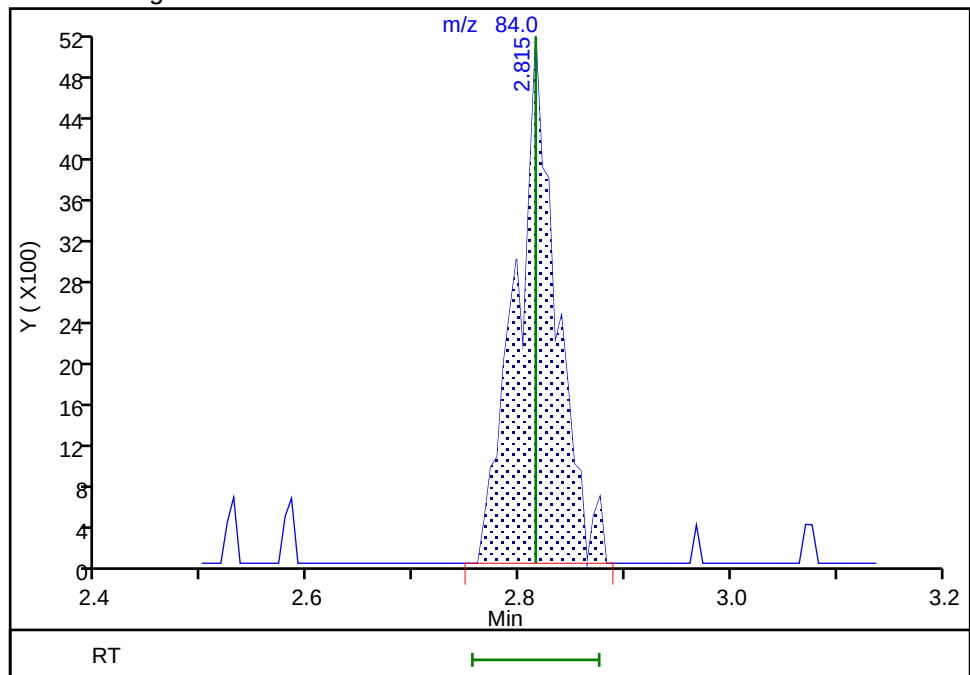
RT: 2.82
Area: 9845
Amount: 0.779872
Amount Units: ug/L

Processing Integration Results



RT: 2.82
Area: 13870
Amount: 0.951761
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:56:11

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

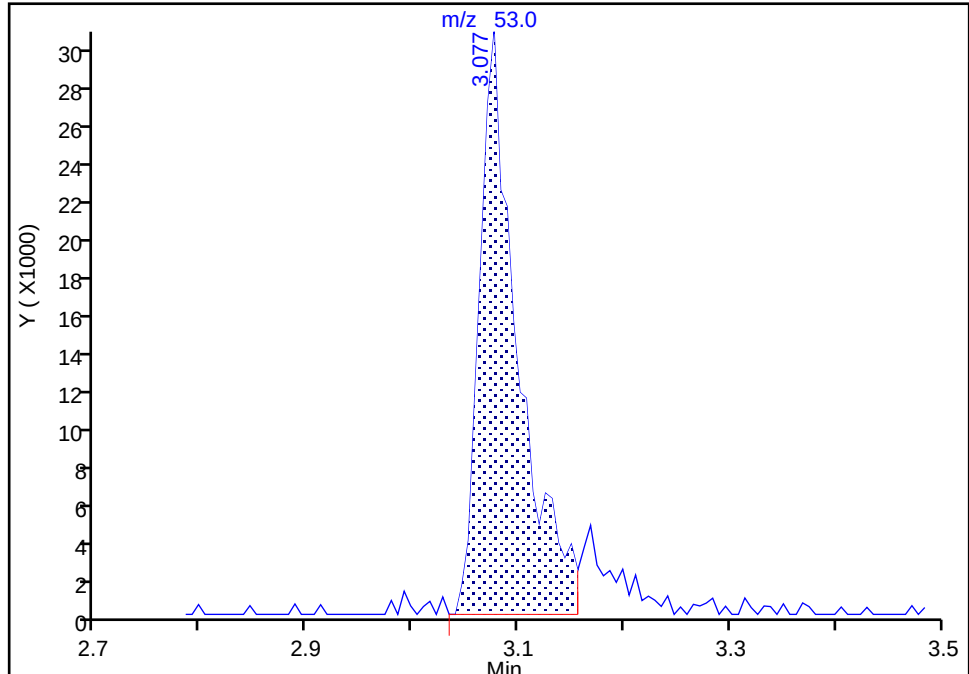
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Injection Date: 02-Nov-2021 16:25:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

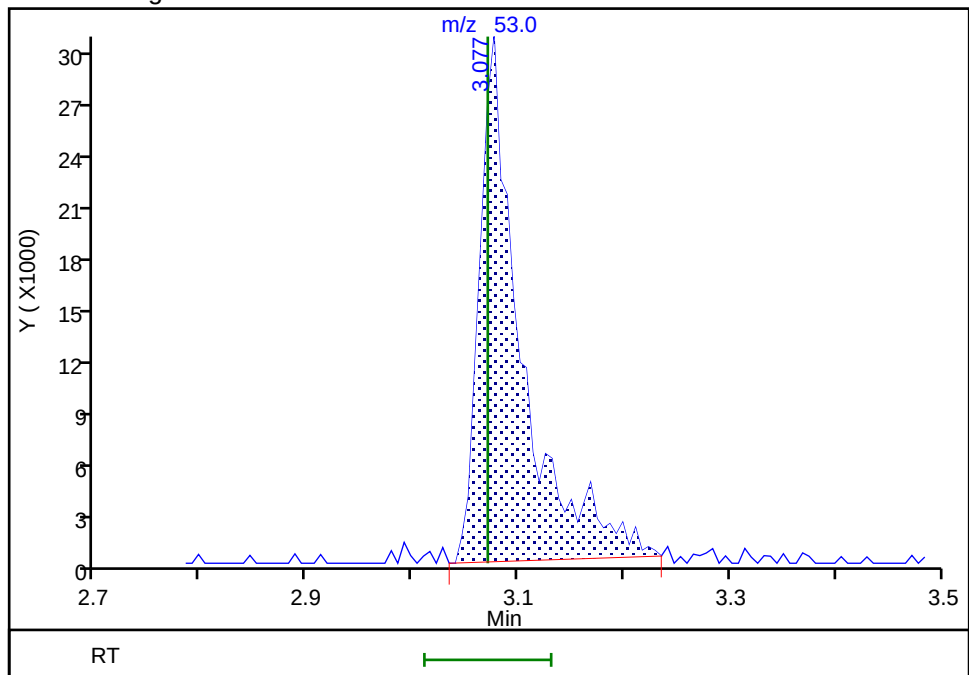
RT: 3.08
Area: 76831
Amount: 9.448062
Amount Units: ug/L

Processing Integration Results



RT: 3.08
Area: 83347
Amount: 10.045244
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:56:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

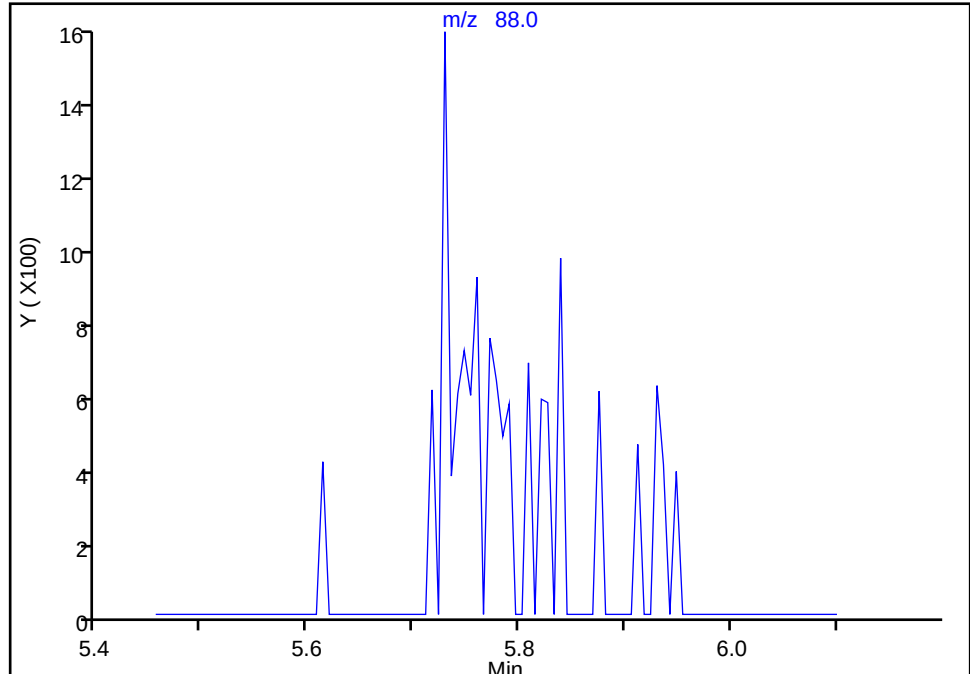
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Injection Date: 02-Nov-2021 16:25:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

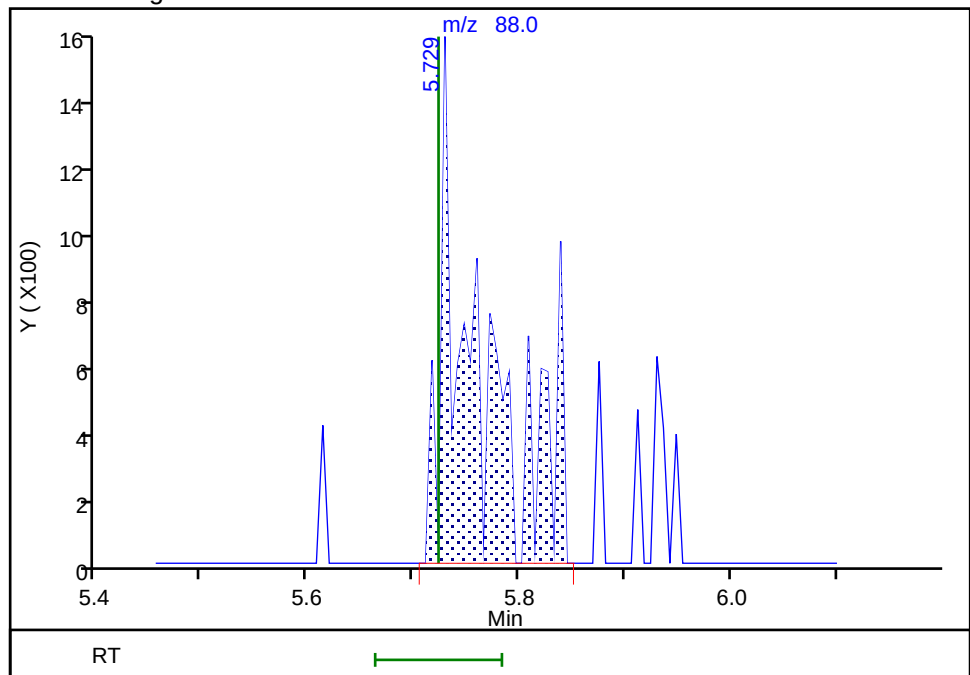
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.73
Area: 3703
Amount: 22.721351
Amount Units: ug/L



Reviewer: HillL, 03-Nov-2021 10:56:59
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 104 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

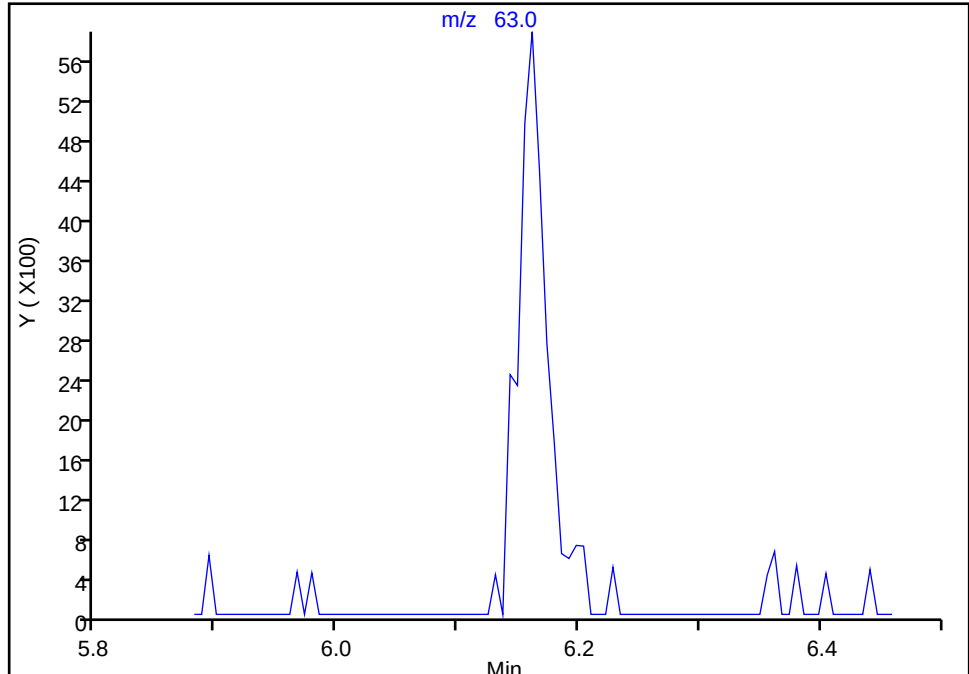
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Injection Date: 02-Nov-2021 16:25:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

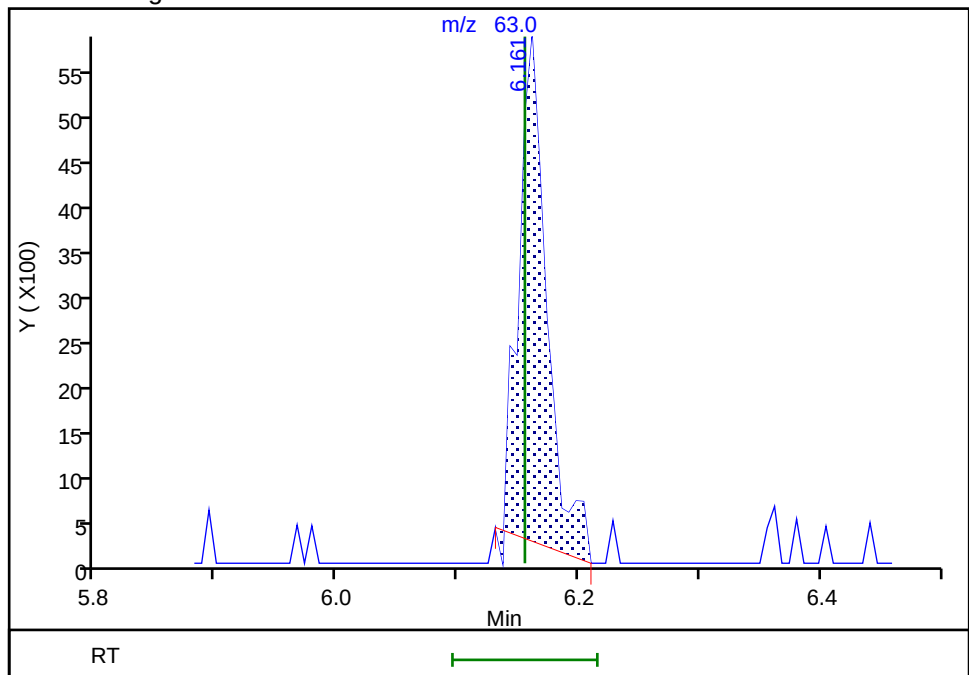
Not Detected
Expected RT: 6.16

Processing Integration Results



RT: 6.16
Area: 8943
Amount: 0.950714
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:57:13
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 105 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

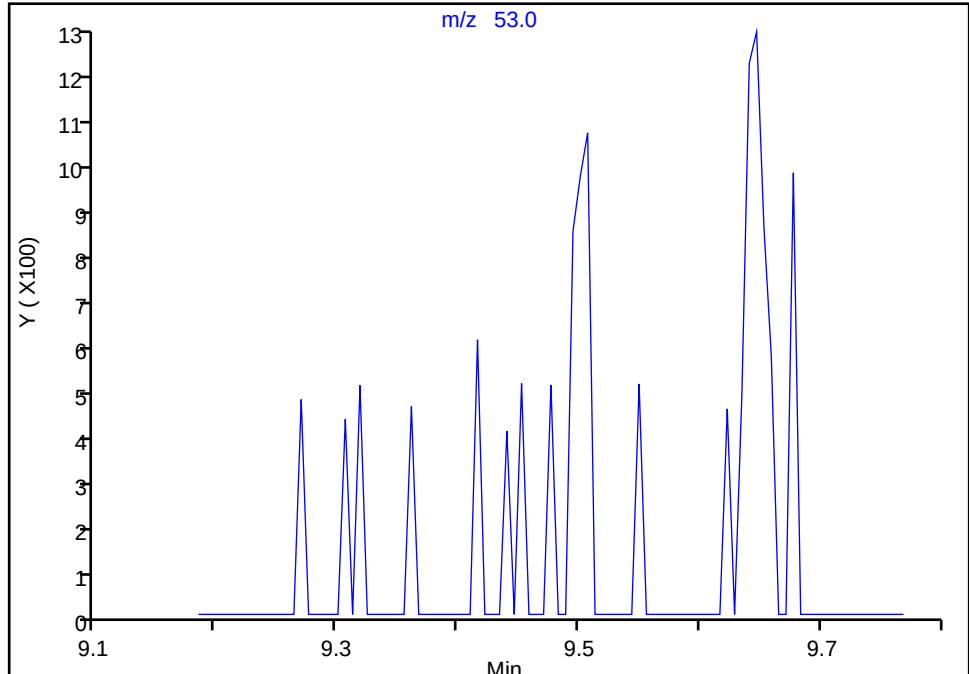
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Injection Date: 02-Nov-2021 16:25:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

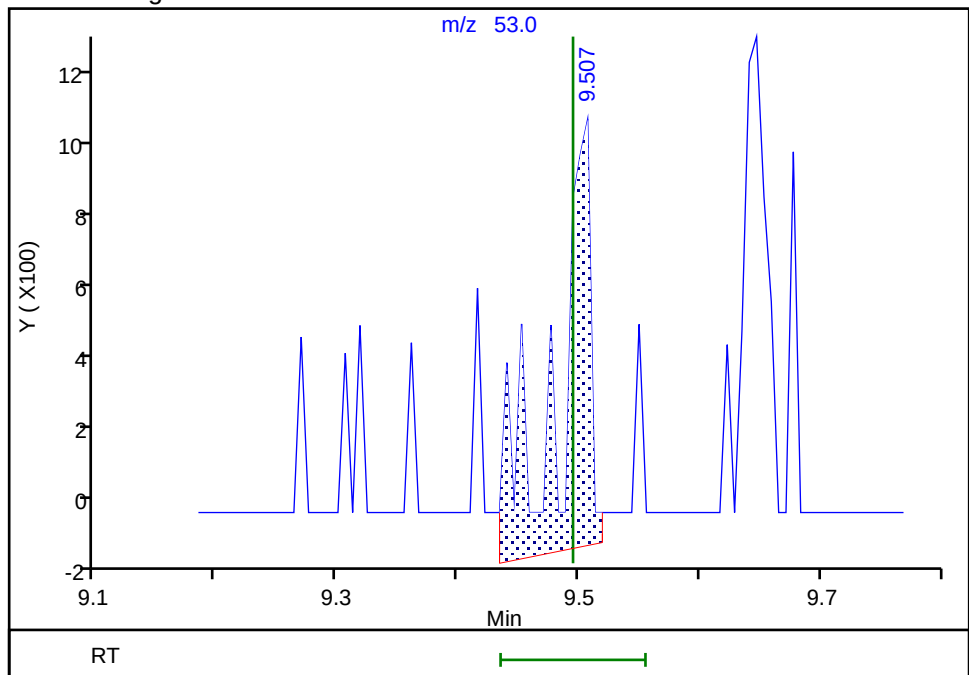
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.51
Area: 2086
Amount: 3.348454
Amount Units: ug/L



Reviewer: HillL, 03-Nov-2021 11:20:34
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 106 of 807

11/16/2021

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5632.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 02-Nov-2021 16:49:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0102107-006
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:16:02 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 11:02:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	175599	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	89	365253	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	93	329129	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	0.000	56	215281	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.732	-0.001	91	152630	25.0	24.7	
\$ 5 Toluene-d8 (Surr)	98	6.490	6.496	-0.006	84	933248	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	87	280170	25.0	25.0	
10 Dichlorodifluoromethane	85	1.081	1.082	-0.001	74	22092	2.00	2.13	M
12 Chloromethane	50	1.246	1.240	0.006	84	40018	2.00	2.16	
13 Vinyl chloride	62	1.312	1.313	-0.001	62	32866	2.00	2.11	
151 Butadiene	54	1.325	1.325	0.000	71	41150	2.00	2.11	
14 Bromomethane	94	1.586	1.593	-0.007	78	17295	2.00	2.10	M
15 Chloroethane	64	1.653	1.653	0.000	84	20856	2.00	2.19	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	69	36312	2.00	2.15	
16 Dichlorofluoromethane	67	1.854	1.848	0.006	77	46907	2.00	2.26	
18 Ethyl ether	59	2.091	2.091	0.000	84	29735	2.00	2.29	
20 Acrolein	56	2.268	2.268	0.000	33	8435	10.0	11.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.304	2.304	0.000	56	17870	2.00	1.95	
22 1,1-Dichloroethene	96	2.316	2.316	0.000	80	18812	2.00	2.01	
23 Acetone	43	2.414	2.420	-0.006	95	67647	10.0	9.91	M
25 Iodomethane	142	2.474	2.469	0.005	96	31539	2.00	2.00	
26 Carbon disulfide	76	2.499	2.499	0.000	98	70411	2.00	2.04	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	87	46570	2.00	1.84	
27 Methyl acetate	43	2.706	2.700	0.006	96	71073	4.00	4.12	
30 Methylene Chloride	84	2.821	2.815	0.006	81	25937	2.00	1.92	M
31 2-Methyl-2-propanol	59	2.979	2.980	-0.001	43	43968	20.0	19.0	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	96	77969	2.00	1.97	
34 trans-1,2-Dichloroethene	96	3.004	3.010	-0.006	72	25277	2.00	2.14	
33 Acrylonitrile	53	3.077	3.071	0.006	96	174819	20.0	20.3	M
35 Hexane	57	3.192	3.199	-0.007	86	47144	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.417	3.418	-0.001	79	45954	2.00	1.94	
37 Vinyl acetate	43	3.484	3.478	0.006	96	163913	4.00	3.84	
44 2,2-Dichloropropane	77	3.916	3.923	-0.007	76	23455	2.00	2.09	
45 cis-1,2-Dichloroethene	96	3.965	3.959	0.006	68	26790	2.00	2.05	
43 2-Butanone (MEK)	43	4.014	4.008	0.006	98	111365	10.0	10.1	
48 Chlorobromomethane	128	4.196	4.196	0.000	78	12411	2.00	1.91	
49 Tetrahydrofuran	42	4.214	4.208	0.006	85	31311	4.00	4.10	M
50 Chloroform	83	4.275	4.275	0.000	73	44326	2.00	2.06	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	67	34922	2.00	1.95	
52 Cyclohexane	56	4.373	4.379	-0.006	86	51496	2.00	1.92	
55 Carbon tetrachloride	117	4.500	4.507	-0.007	70	25740	2.00	1.88	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	84	30861	2.00	1.89	
57 Benzene	78	4.725	4.726	-0.001	57	97993	2.00	2.02	
53 Isobutyl alcohol	43	4.786	4.774	0.012	68	52536	50.0	45.3	M
58 1,2-Dichloroethane	62	4.798	4.799	-0.001	51	42090	2.00	2.00	
59 n-Heptane	43	4.908	4.908	0.000	93	61163	2.00	2.16	
62 Trichloroethene	95	5.334	5.334	0.000	86	23336	2.00	1.96	
64 Methylcyclohexane	83	5.443	5.437	0.006	91	40762	2.00	1.89	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	83	27268	2.00	1.92	
67 Dibromomethane	93	5.711	5.705	0.006	78	14415	2.00	1.90	
66 1,4-Dioxane	88	5.717	5.723	-0.006	0	6500	40.0	37.3	M
68 Dichlorobromomethane	83	5.863	5.869	-0.006	80	28226	2.00	1.91	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	84	19385	2.00	1.99	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	72	39613	2.00	1.98	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.429	0.006	97	216844	10.0	9.41	
74 Toluene	92	6.557	6.557	0.000	79	60726	2.00	1.99	
77 trans-1,3-Dichloropropene	75	6.855	6.849	0.006	84	39790	2.00	2.09	
75 Ethyl methacrylate	69	6.909	6.903	0.006	88	34880	2.00	1.89	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	83	19961	2.00	2.10	
81 Tetrachloroethene	166	7.086	7.080	0.006	64	25611	2.00	1.95	
82 1,3-Dichloropropane	76	7.195	7.189	0.006	89	38743	2.00	1.91	
80 2-Hexanone	43	7.274	7.268	0.006	98	162468	10.0	9.88	
83 Chlorodibromomethane	129	7.426	7.421	0.005	75	17815	2.00	1.70	
84 Ethylene Dibromide	107	7.518	7.518	0.000	80	23427	2.00	1.93	
87 Chlorobenzene	112	7.992	7.992	0.000	92	71567	2.00	2.07	
88 Ethylbenzene	91	8.090	8.090	0.000	96	114305	2.00	1.98	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	33	23164	2.00	1.97	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	47413	2.00	2.09	
91 o-Xylene	106	8.637	8.631	0.006	94	44371	2.00	1.97	
92 Styrene	104	8.668	8.662	0.006	91	68566	2.00	1.91	
95 Bromoform	173	8.905	8.905	0.000	64	11995	2.00	1.70	
94 Isopropylbenzene	105	9.020	9.014	0.006	92	107116	2.00	1.87	
101 Bromobenzene	156	9.367	9.367	0.000	94	28458	2.00	2.02	
97 1,1,2,2-Tetrachloroethane	83	9.452	9.446	0.006	58	31798	2.00	1.96	
99 N-Propylbenzene	91	9.464	9.459	0.005	97	126610	2.00	1.92	
100 1,2,3-Trichloropropane	110	9.477	9.471	0.006	55	11177	2.00	2.00	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	30	3719	2.00	3.63	
103 2-Chlorotoluene	126	9.568	9.562	0.006	91	29026	2.00	2.12	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	88	96563	2.00	1.97	
105 4-Chlorotoluene	126	9.683	9.684	-0.001	96	25640	2.00	1.88	
106 tert-Butylbenzene	134	9.975	9.976	-0.001	87	20936	2.00	1.93	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	82	98526	2.00	1.95	

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	10.195	10.189	0.005	90	122389	2.00	2.01	
111 1,3-Dichlorobenzene	146	10.322	10.322	0.000	96	59704	2.00	2.13	
110 4-Isopropyltoluene	119	10.341	10.341	-0.001	92	113118	2.00	1.99	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	75	55582	2.00	1.98	
115 n-Butylbenzene	91	10.736	10.736	0.000	96	99379	2.00	1.99	
116 1,2-Dichlorobenzene	146	10.772	10.773	-0.001	91	57221	2.00	2.05	
117 1,2-Dibromo-3-Chloropropane	75	11.515	11.521	-0.006	40	6652	2.00	1.90	
119 1,2,4-Trichlorobenzene	180	12.196	12.190	0.006	84	46812	2.00	2.13	
120 Hexachlorobutadiene	225	12.306	12.306	0.000	83	20073	2.00	2.02	
121 Naphthalene	128	12.403	12.403	0.000	95	122578	2.00	1.88	
122 1,2,3-Trichlorobenzene	180	12.604	12.610	-0.006	89	40720	2.00	1.84	
S 123 Total BTEX	1				0			10.1	
S 126 1,3-Dichloropropene, Total	1				0			4.07	
S 125 1,2-Dichloroethene, Total	1				0			4.19	
S 124 Xylenes, Total	1				0			4.06	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00479

Amount Added: 2.00

Units: uL

8260 CORP mix_00216

Amount Added: 2.00

Units: uL

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5632.D

Injection Date: 02-Nov-2021 16:49:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 2

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

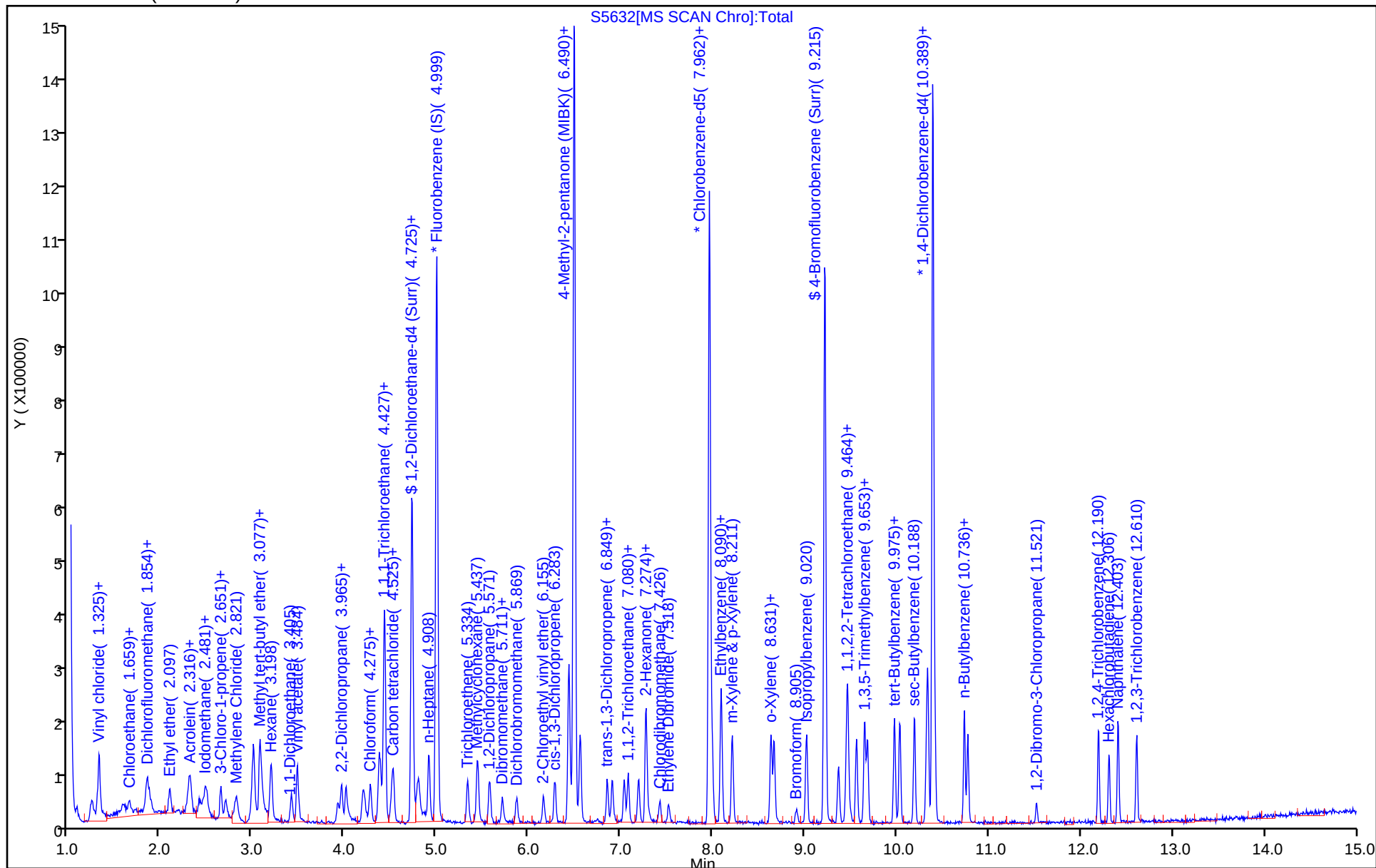
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5632.D

Injection Date: 02-Nov-2021 16:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

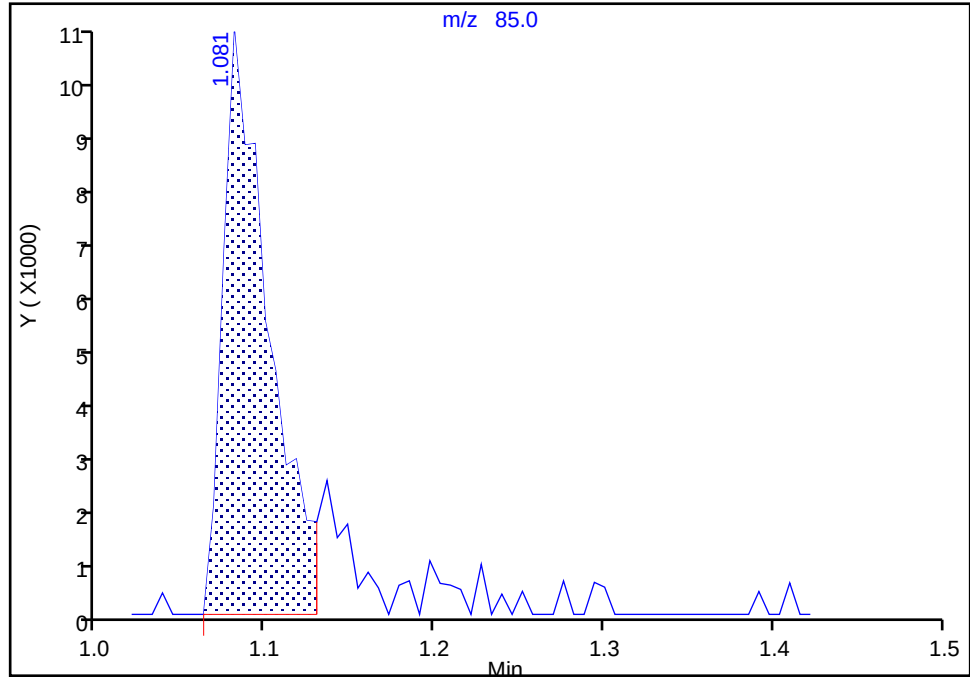
Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

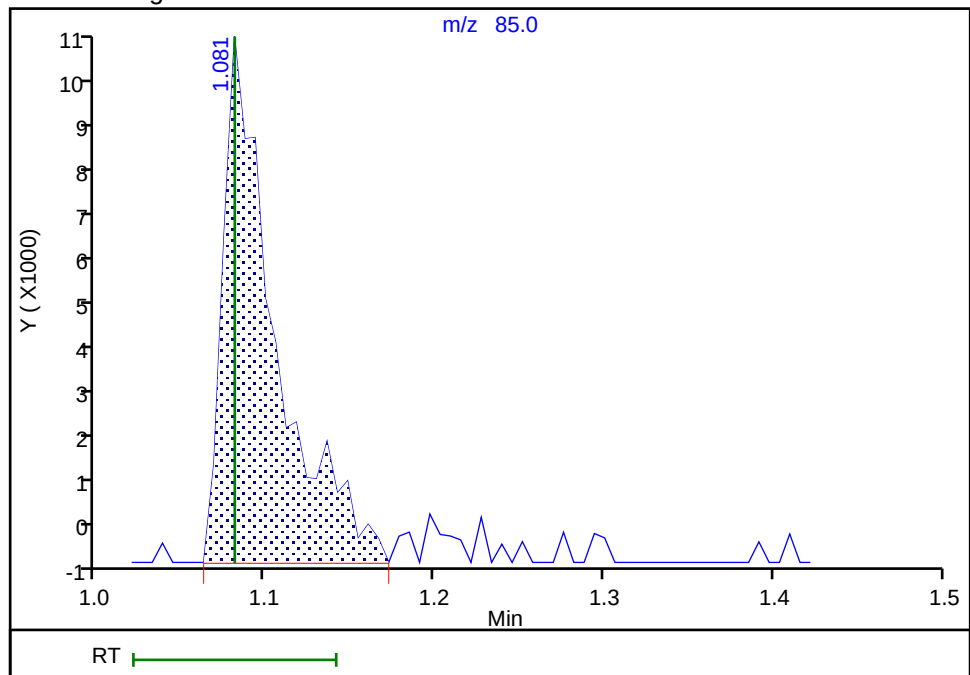
RT: 1.08
Area: 19439
Amount: 1.904072
Amount Units: ug/L

Processing Integration Results



RT: 1.08
Area: 22092
Amount: 2.129352
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:59:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5632.D

Injection Date: 02-Nov-2021 16:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

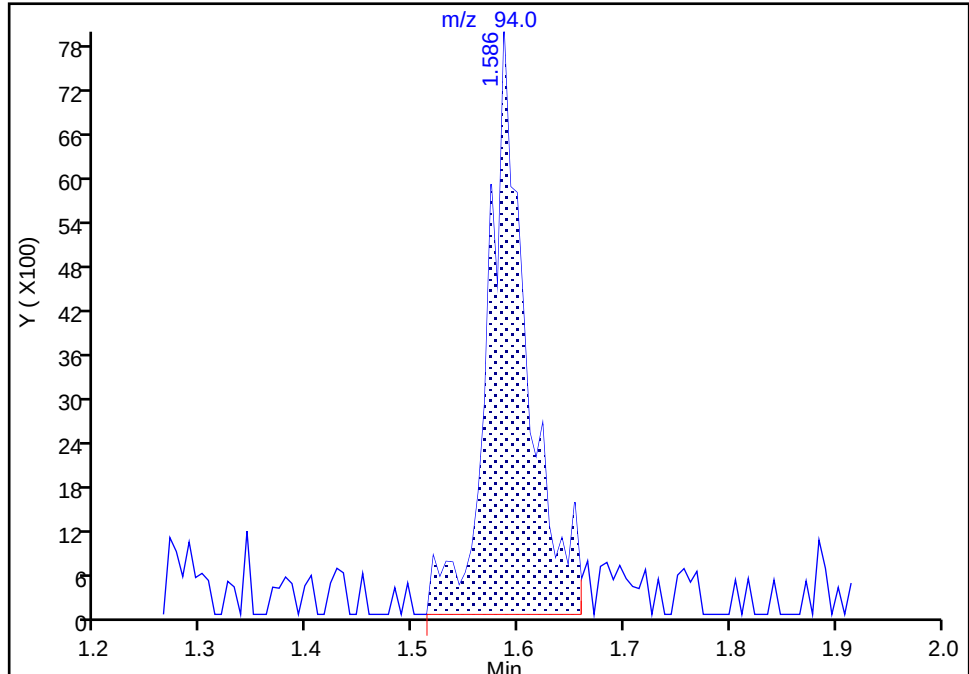
Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

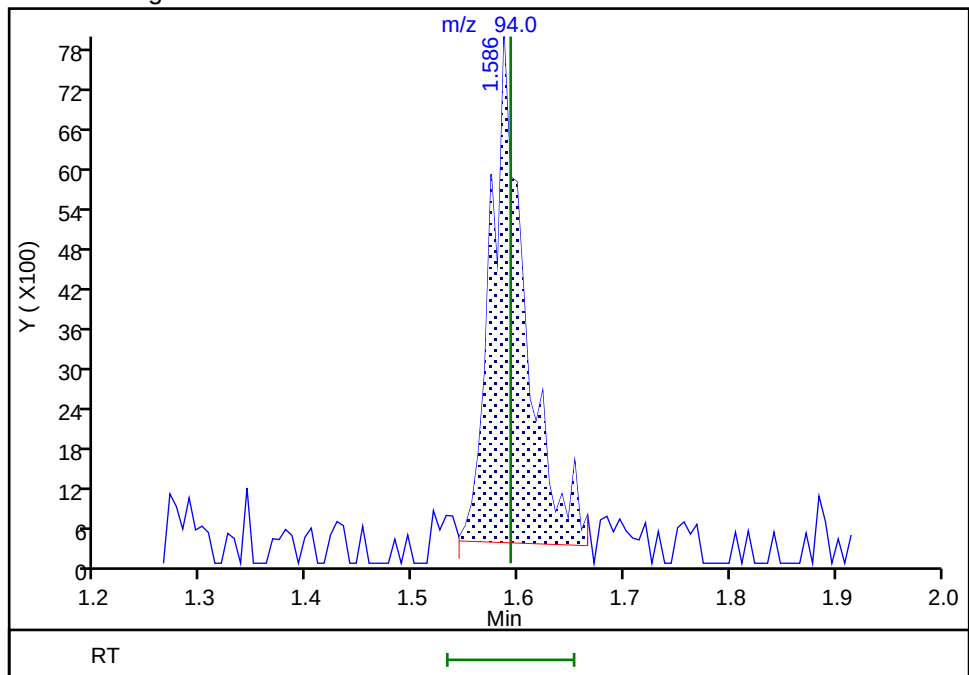
RT: 1.59
Area: 20318
Amount: 2.410954
Amount Units: ug/L

Processing Integration Results



RT: 1.59
Area: 17295
Amount: 2.099307
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 10:59:55

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

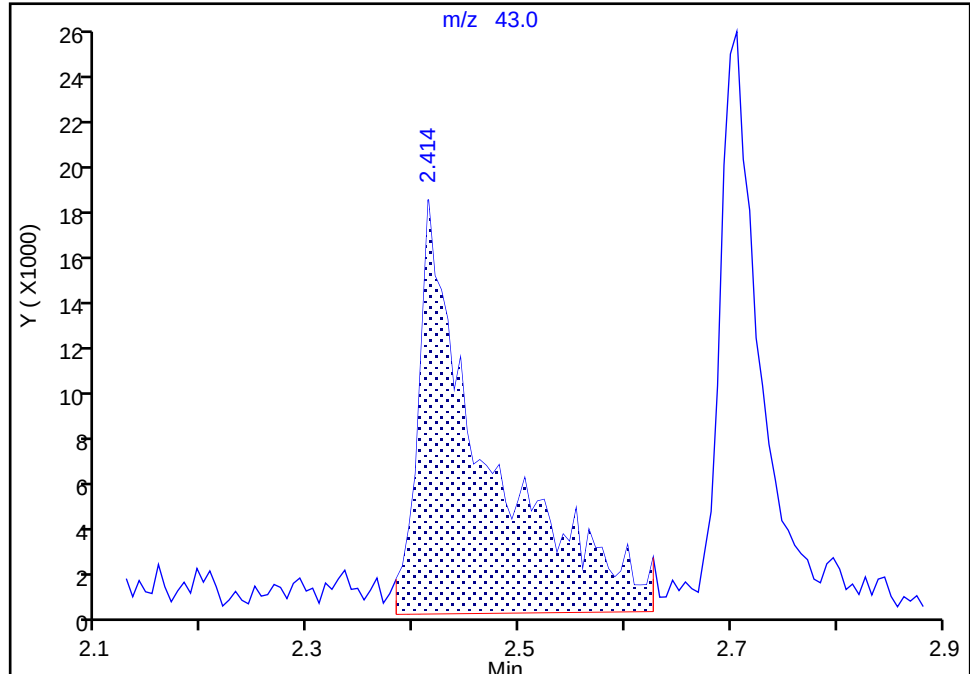
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Injection Date: 02-Nov-2021 16:49:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

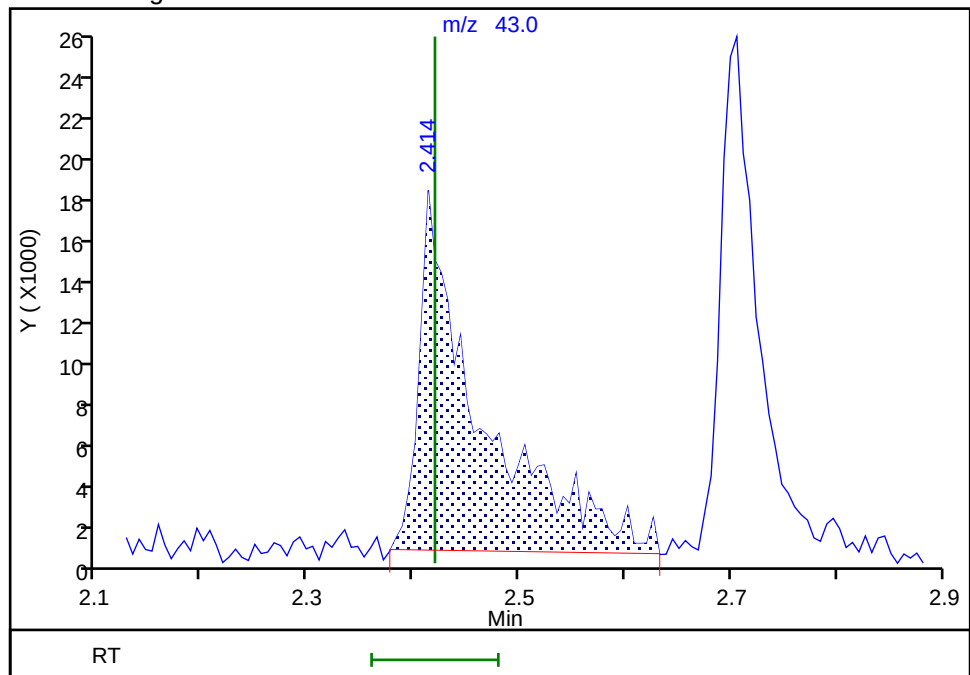
RT: 2.41
Area: 79840
Amount: 11.440879
Amount Units: ug/L

Processing Integration Results



RT: 2.41
Area: 67647
Amount: 9.910091
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:00:18
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 113 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

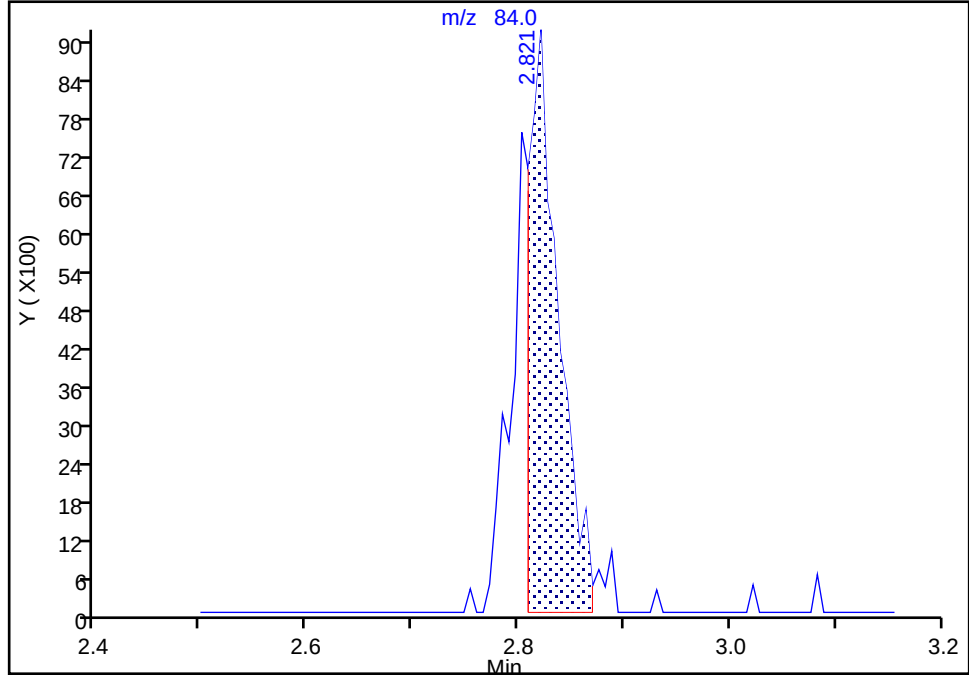
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Injection Date: 02-Nov-2021 16:49:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

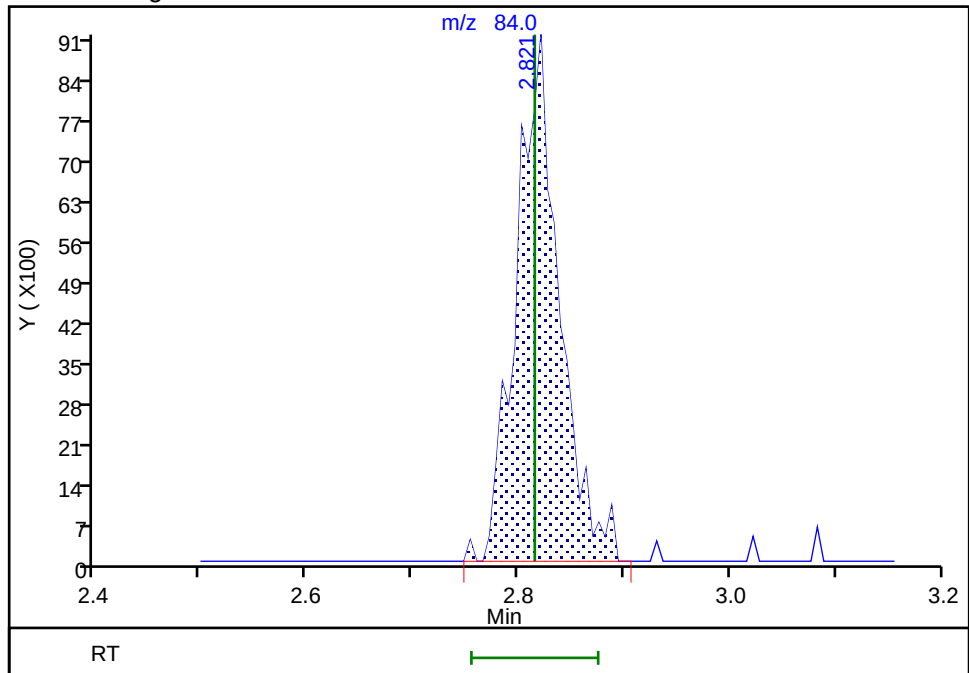
RT: 2.82
Area: 18030
Amount: 1.344044
Amount Units: ug/L

Processing Integration Results



RT: 2.82
Area: 25937
Amount: 1.923651
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:00:31
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 114 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5632.D

Injection Date: 02-Nov-2021 16:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

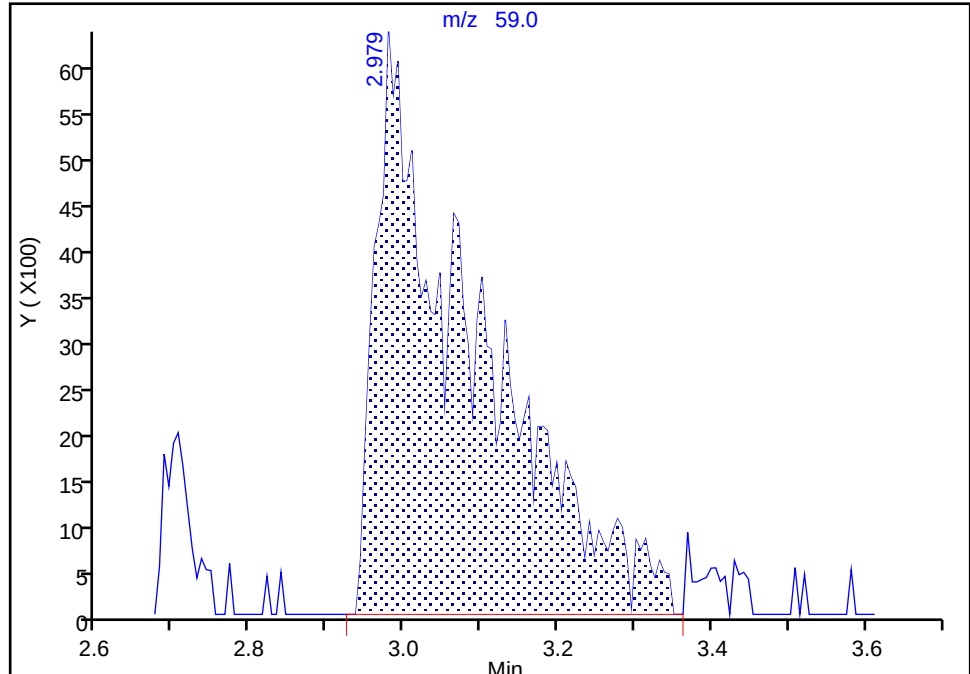
Detector: MS SCAN

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

Signal: 1

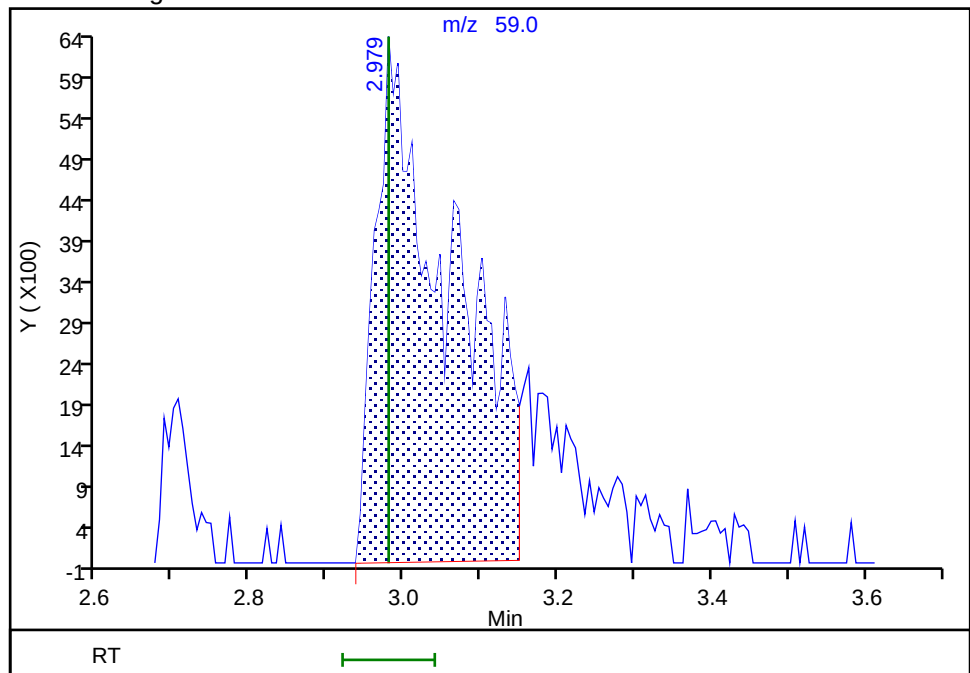
RT: 2.98
Area: 56628
Amount: 22.420838
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 43968
Amount: 19.041098
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:00:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

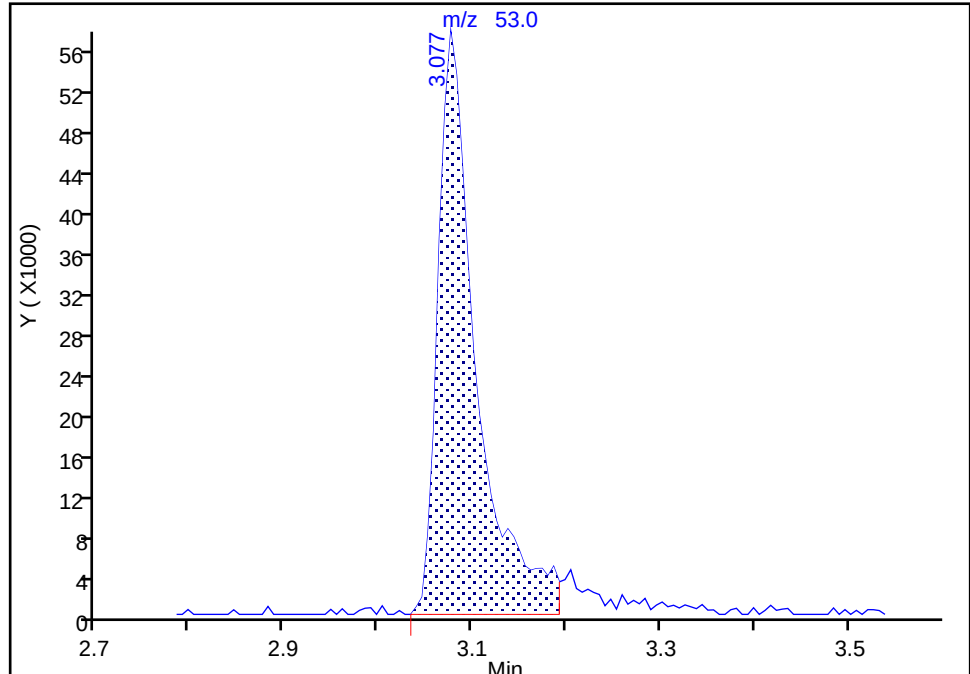
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Injection Date: 02-Nov-2021 16:49:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

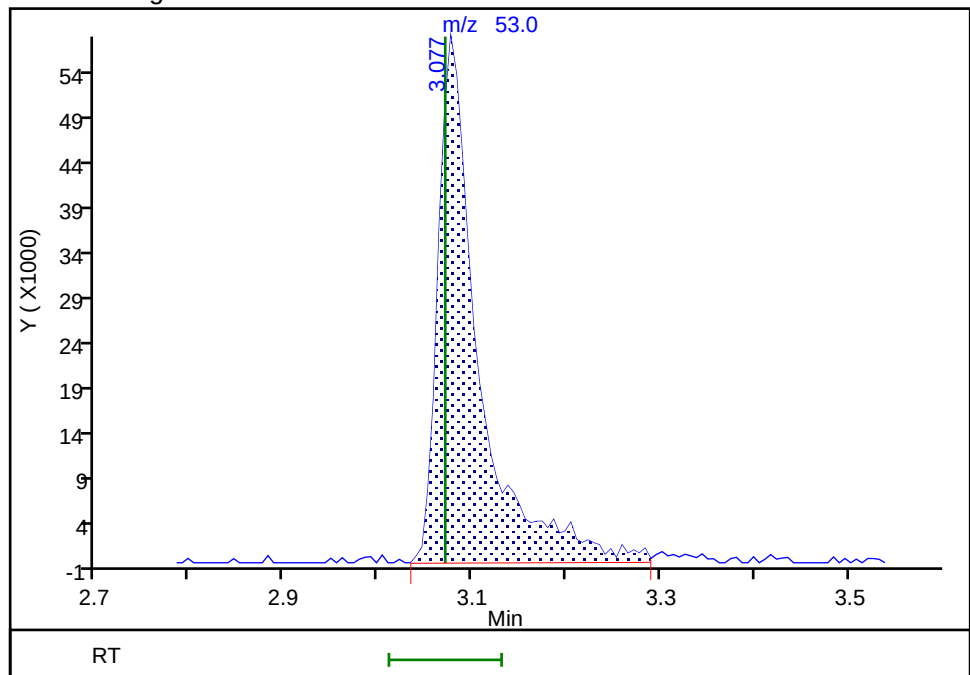
RT: 3.08
Area: 163978
Amount: 19.238906
Amount Units: ug/L

Processing Integration Results



RT: 3.08
Area: 174819
Amount: 20.303737
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:01:05

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

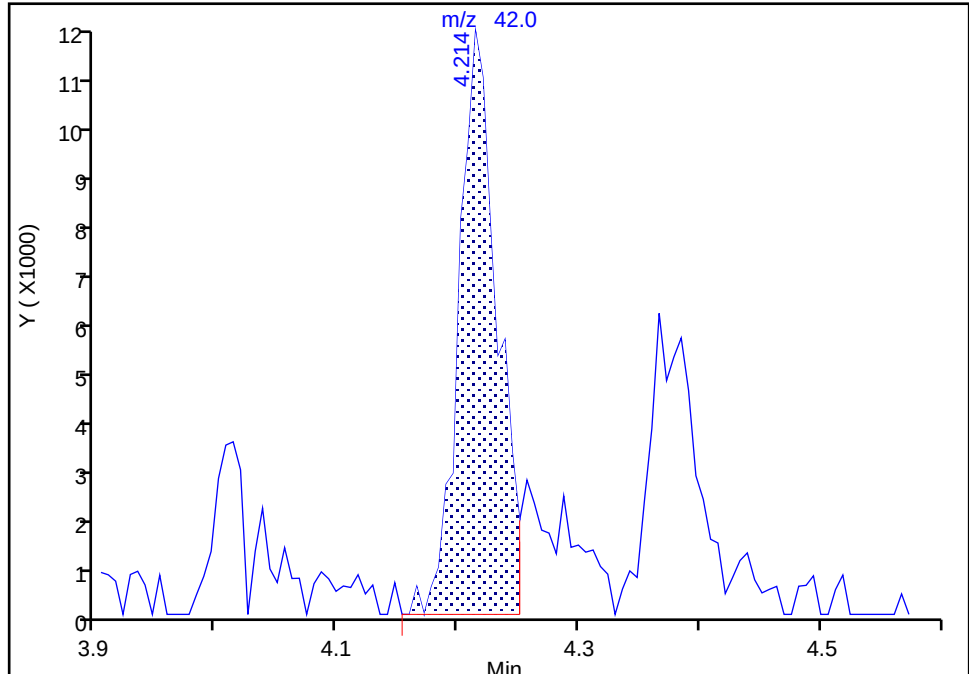
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Injection Date: 02-Nov-2021 16:49:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

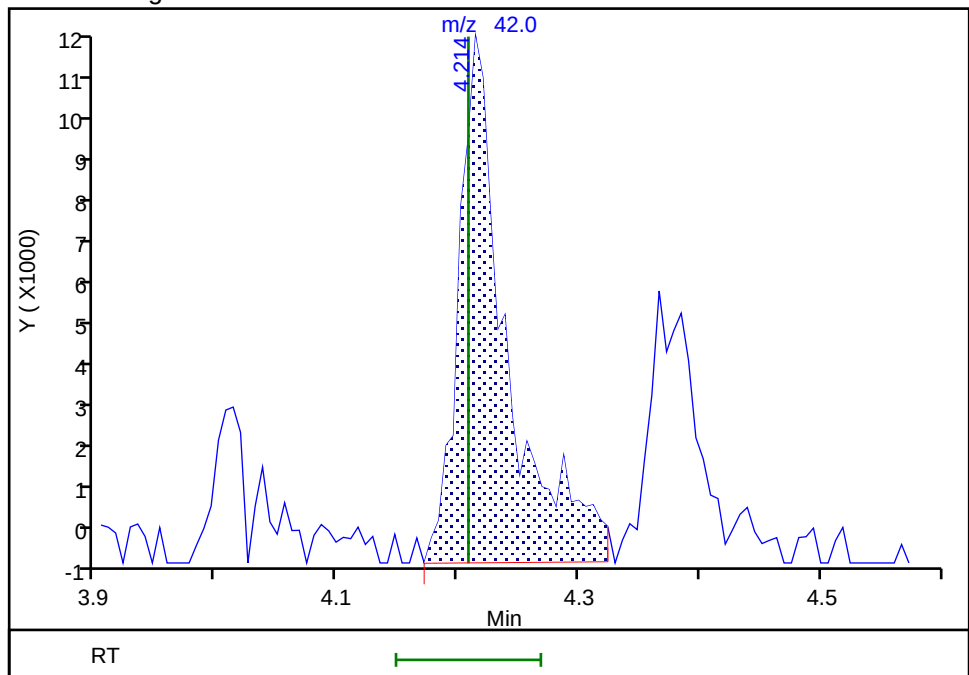
RT: 4.21
Area: 24957
Amount: 3.353370
Amount Units: ug/L

Processing Integration Results



RT: 4.21
Area: 31311
Amount: 4.097802
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:01:19

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

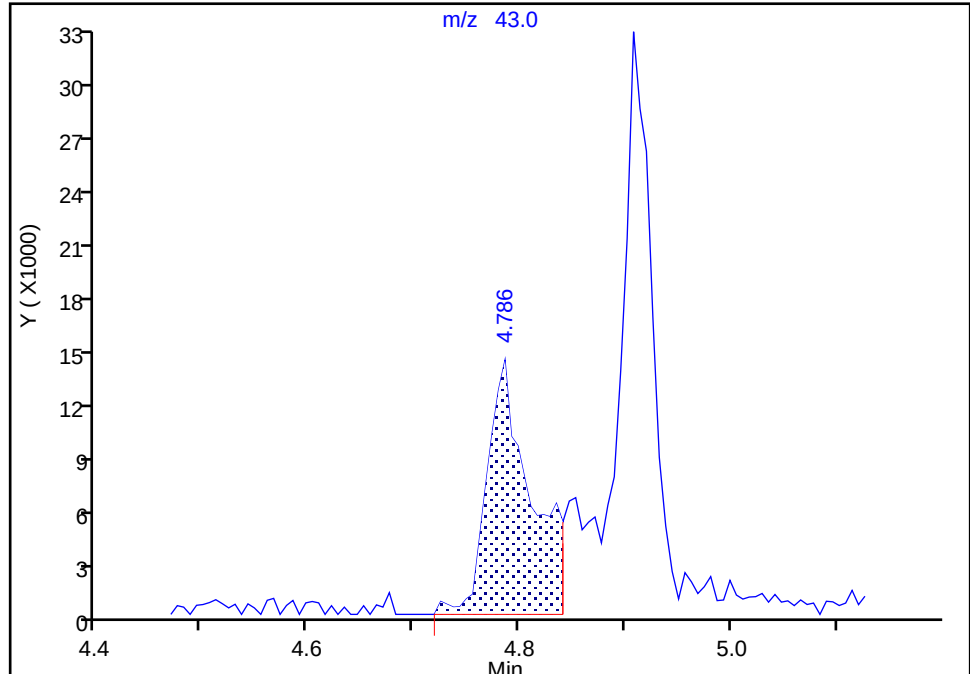
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Injection Date: 02-Nov-2021 16:49:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

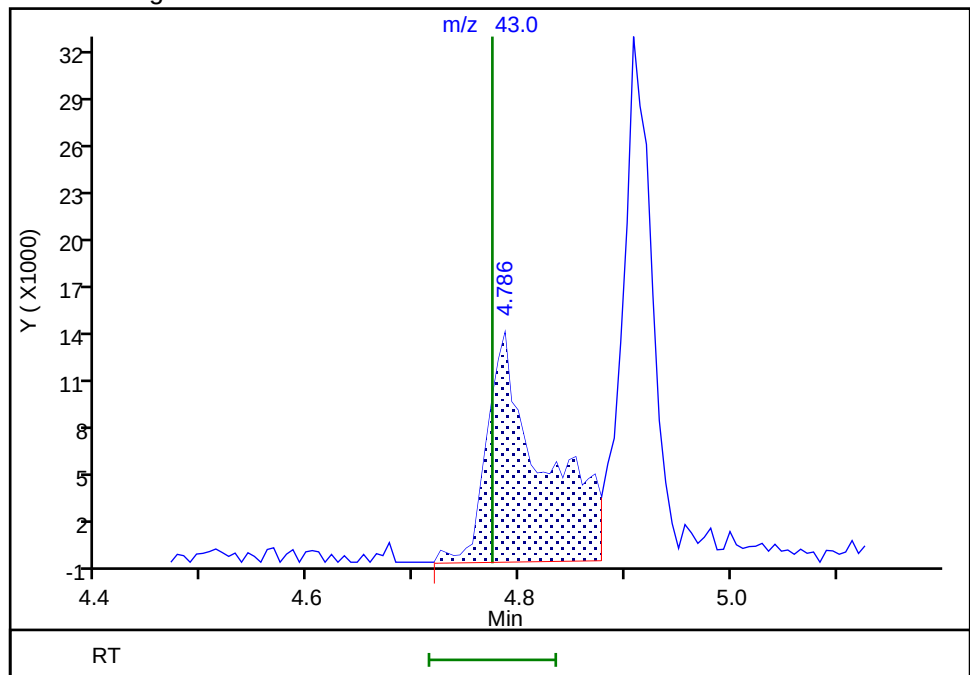
RT: 4.79
Area: 41025
Amount: 36.251337
Amount Units: ug/L

Processing Integration Results



RT: 4.79
Area: 52536
Amount: 45.271706
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:01:39
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 118 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

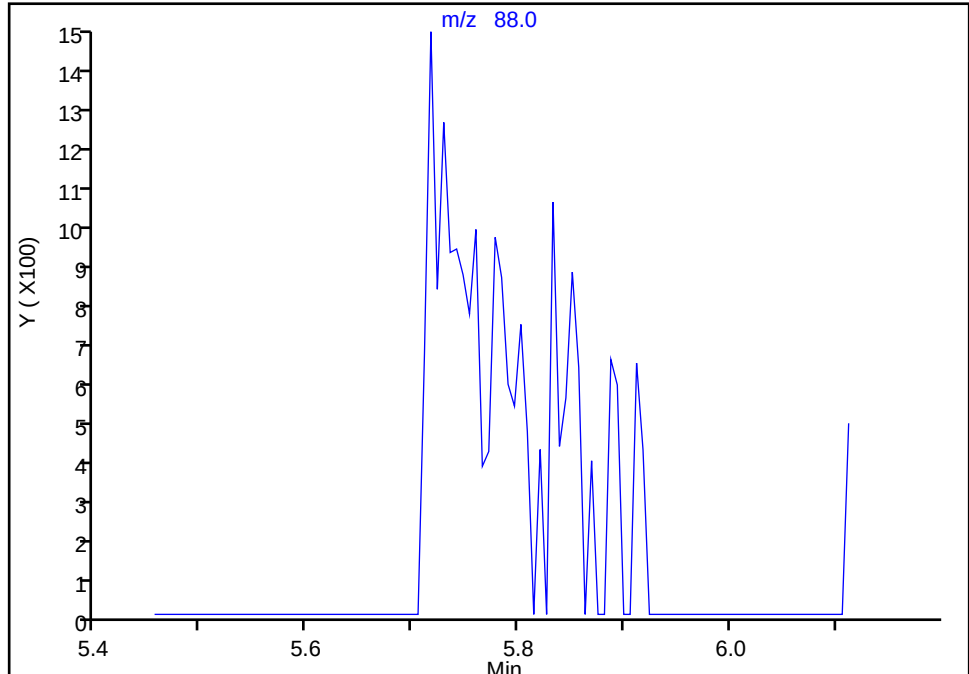
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Injection Date: 02-Nov-2021 16:49:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

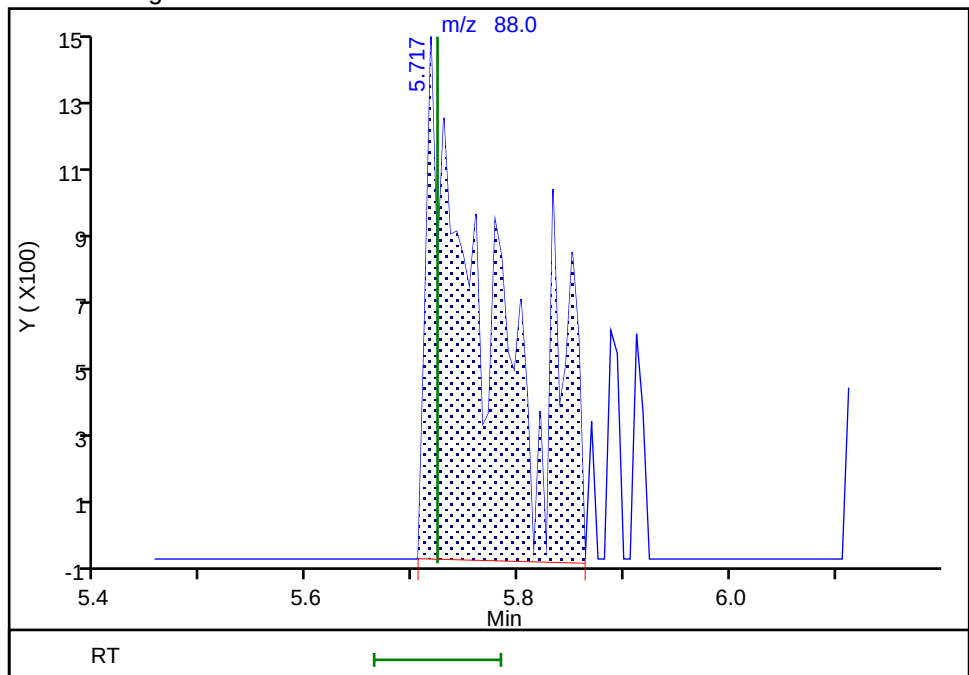
Not Detected
Expected RT: 5.72

Processing Integration Results



Manual Integration Results

RT: 5.72
Area: 6500
Amount: 37.325127
Amount Units: ug/L



Reviewer: HillL, 03-Nov-2021 11:01:58
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 119 of 807

11/16/2021

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5633.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 02-Nov-2021 17:12:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0102107-007
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:16:06 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 11:04:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	163586	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	87	321081	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.396	10.395	0.001	85	301813	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.428	4.427	0.001	54	213661	25.0	26.2	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.726	4.732	-0.006	88	151601	25.0	26.4	
\$ 5 Toluene-d8 (Surr)	98	6.490	6.496	-0.006	83	863710	25.0	26.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	87	258175	25.0	26.2	
10 Dichlorodifluoromethane	85	1.082	1.082	0.000	85	47203	5.00	4.88	
12 Chloromethane	50	1.240	1.240	0.000	99	87084	5.00	5.04	
13 Vinyl chloride	62	1.313	1.313	0.000	65	74075	5.00	5.11	
151 Butadiene	54	1.325	1.325	0.000	65	93286	5.00	5.13	
14 Bromomethane	94	1.586	1.593	-0.007	88	42203	5.00	5.50	
15 Chloroethane	64	1.647	1.653	-0.006	91	44714	5.00	5.05	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	53	76598	5.00	4.88	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	80	103927	5.00	5.37	
18 Ethyl ether	59	2.091	2.091	0.000	98	58289	5.00	4.82	
20 Acrolein	56	2.268	2.268	0.000	86	16496	25.0	24.0	M
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.298	2.304	-0.006	69	42618	5.00	4.99	
22 1,1-Dichloroethene	96	2.310	2.316	-0.006	83	45151	5.00	5.17	
23 Acetone	43	2.420	2.420	0.000	90	167483	25.0	26.3	
25 Iodomethane	142	2.463	2.469	-0.006	98	76328	5.00	5.19	
26 Carbon disulfide	76	2.493	2.499	-0.006	99	158126	5.00	4.93	
28 3-Chloro-1-propene	41	2.645	2.651	-0.006	86	121849	5.00	5.16	
27 Methyl acetate	43	2.700	2.700	0.000	97	160491	10.0	9.98	
30 Methylene Chloride	84	2.809	2.815	-0.006	85	57978	5.00	4.98	
31 2-Methyl-2-propanol	59	3.004	2.980	0.024	39	99881	50.0	46.4	M
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	93	186440	5.00	5.05	
34 trans-1,2-Dichloroethene	96	3.004	3.010	-0.006	83	53259	5.00	4.84	
33 Acrylonitrile	53	3.077	3.071	0.006	98	369711	50.0	46.1	M
35 Hexane	57	3.199	3.199	0.000	86	106638	5.00	5.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	82	113820	5.00	5.16	
37 Vinyl acetate	43	3.478	3.478	0.000	97	355146	10.0	8.92	
44 2,2-Dichloropropane	77	3.929	3.923	0.006	86	58008	5.00	5.55	
45 cis-1,2-Dichloroethene	96	3.959	3.959	0.000	70	61761	5.00	5.08	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	97	231198	25.0	22.6	
48 Chlorobromomethane	128	4.190	4.196	-0.006	83	30548	5.00	5.04	
49 Tetrahydrofuran	42	4.209	4.208	0.000	92	69812	10.0	9.81	
50 Chloroform	83	4.275	4.275	0.000	77	99387	5.00	4.95	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	66	86139	5.00	5.17	
52 Cyclohexane	56	4.373	4.379	-0.006	87	122888	5.00	4.91	
55 Carbon tetrachloride	117	4.507	4.507	0.000	81	66918	5.00	5.24	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	85	75842	5.00	4.98	
57 Benzene	78	4.726	4.726	0.000	75	220820	5.00	4.90	
53 Isobutyl alcohol	43	4.786	4.774	0.012	60	122771	125.0	113.6	
58 1,2-Dichloroethane	62	4.799	4.799	0.000	69	100218	5.00	5.11	
59 n-Heptane	43	4.908	4.908	0.000	95	119523	5.00	4.52	
62 Trichloroethene	95	5.334	5.334	0.000	88	56039	5.00	5.05	
64 Methylcyclohexane	83	5.437	5.437	0.000	95	95076	5.00	4.74	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	88	62924	5.00	4.76	
67 Dibromomethane	93	5.711	5.705	0.006	86	34460	5.00	4.88	
66 1,4-Dioxane	88	5.723	5.723	0.000	35	15695	100.0	102.5	
68 Dichlorobromomethane	83	5.869	5.869	0.000	86	66883	5.00	4.87	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	88	38676	5.00	4.25	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	78	88154	5.00	4.74	
73 4-Methyl-2-pentanone (MIBK)	43	6.429	6.429	0.000	98	516094	25.0	25.5	
74 Toluene	92	6.557	6.557	0.000	76	132694	5.00	4.96	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	94	78871	5.00	4.71	
75 Ethyl methacrylate	69	6.904	6.903	0.001	73	81029	5.00	5.00	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	93	37217	5.00	4.46	
81 Tetrachloroethene	166	7.086	7.080	0.006	79	58524	5.00	5.08	
82 1,3-Dichloropropane	76	7.196	7.189	0.007	95	86356	5.00	4.85	
80 2-Hexanone	43	7.269	7.268	0.001	97	365398	25.0	25.3	
83 Chlorodibromomethane	129	7.427	7.421	0.006	83	45633	5.00	4.95	
84 Ethylene Dibromide	107	7.518	7.518	0.000	94	50794	5.00	4.77	
87 Chlorobenzene	112	7.992	7.992	0.000	91	150932	5.00	4.96	
88 Ethylbenzene	91	8.090	8.090	0.000	99	241519	5.00	4.76	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	44	51397	5.00	4.98	
90 m-Xylene & p-Xylene	106	8.212	8.211	0.001	96	99640	5.00	4.99	
91 o-Xylene	106	8.631	8.631	0.000	97	99166	5.00	5.02	
92 Styrene	104	8.662	8.662	0.000	90	146332	5.00	4.64	
95 Bromoform	173	8.911	8.905	0.006	88	29305	5.00	4.74	
94 Isopropylbenzene	105	9.021	9.014	0.007	94	254884	5.00	4.86	
101 Bromobenzene	156	9.367	9.367	0.000	97	58117	5.00	4.49	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.446	0.000	71	77809	5.00	5.24	
99 N-Propylbenzene	91	9.465	9.459	0.006	97	296318	5.00	4.90	
100 1,2,3-Trichloropropane	110	9.477	9.471	0.006	59	25149	5.00	4.90	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	72	11592	5.00	5.31	
103 2-Chlorotoluene	126	9.562	9.562	0.000	95	61094	5.00	4.86	
102 1,3,5-Trimethylbenzene	105	9.647	9.653	-0.006	93	219925	5.00	4.90	
105 4-Chlorotoluene	126	9.678	9.684	-0.006	98	64255	5.00	5.15	
106 tert-Butylbenzene	134	9.976	9.976	0.000	90	49874	5.00	5.02	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	69	233689	5.00	5.03	

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	10.189	10.189	0.000	94	275064	5.00	4.92	
111 1,3-Dichlorobenzene	146	10.323	10.322	0.000	94	124689	5.00	4.85	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	94	262792	5.00	5.05	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	89	128437	5.00	4.99	
115 n-Butylbenzene	91	10.730	10.736	-0.006	94	222693	5.00	4.87	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	94	127694	5.00	4.98	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	63	16535	5.00	5.16	
119 1,2,4-Trichlorobenzene	180	12.190	12.190	0.000	91	105123	5.00	5.22	
120 Hexachlorobutadiene	225	12.312	12.306	0.006	84	48432	5.00	5.32	
121 Naphthalene	128	12.403	12.403	0.000	97	312637	5.00	5.23	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	90	108123	5.00	5.33	
S 123 Total BTEX	1				0			24.6	
S 126 1,3-Dichloropropene, Total	1				0			9.44	
S 125 1,2-Dichloroethene, Total	1				0			9.92	
S 124 Xylenes, Total	1				0			10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00479

Amount Added: 5.00

Units: uL

8260 CORP mix_00216

Amount Added: 5.00

Units: uL

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5633.D

Injection Date: 02-Nov-2021 17:12:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 3

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

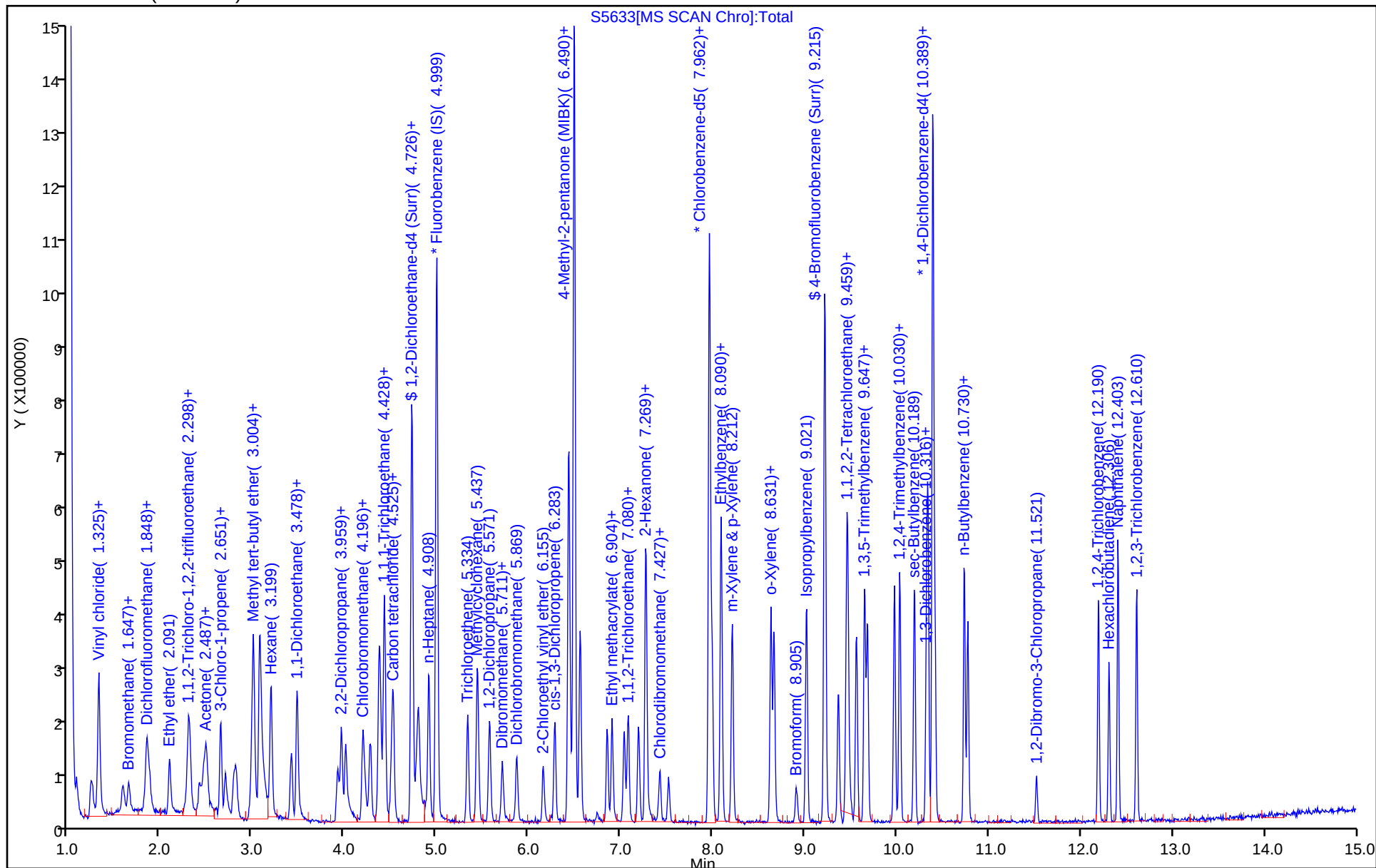
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

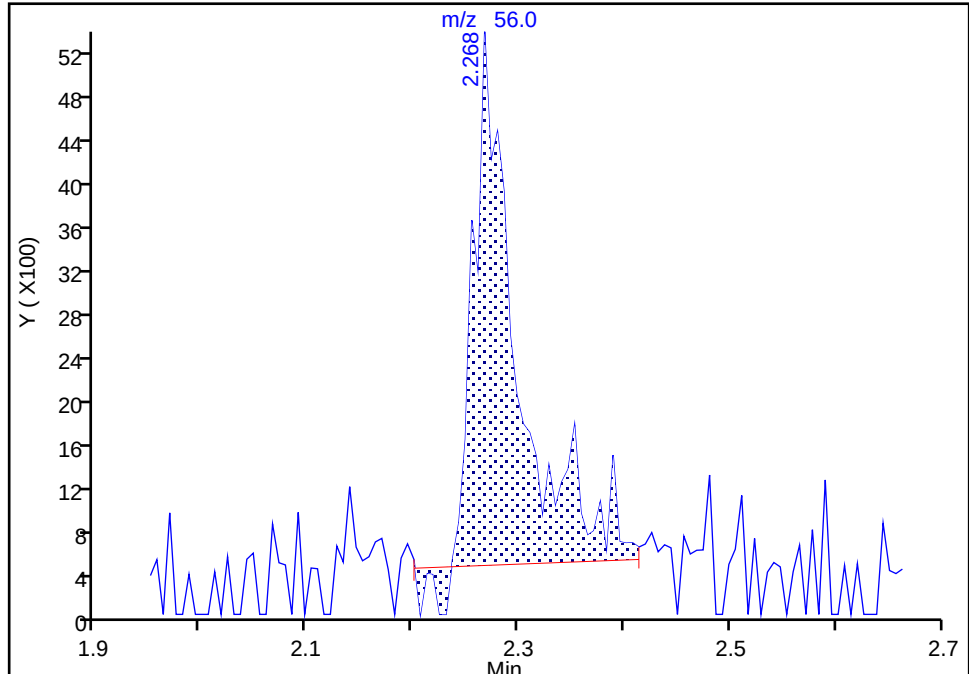
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Injection Date: 02-Nov-2021 17:12:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

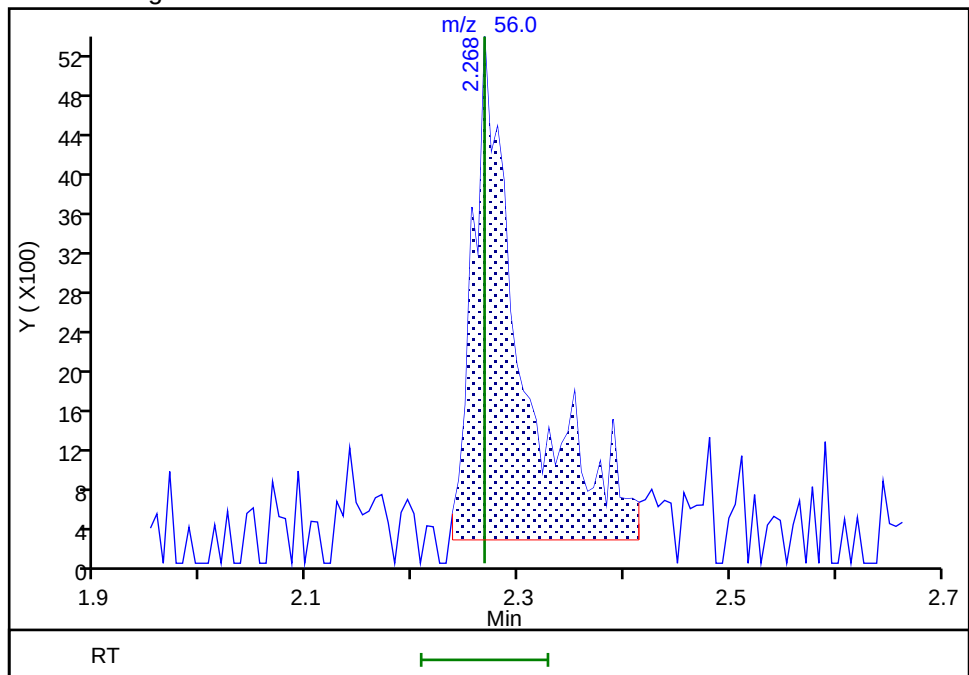
RT: 2.27
Area: 13466
Amount: 19.629723
Amount Units: ug/L

Processing Integration Results



RT: 2.27
Area: 16496
Amount: 24.037608
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:03:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

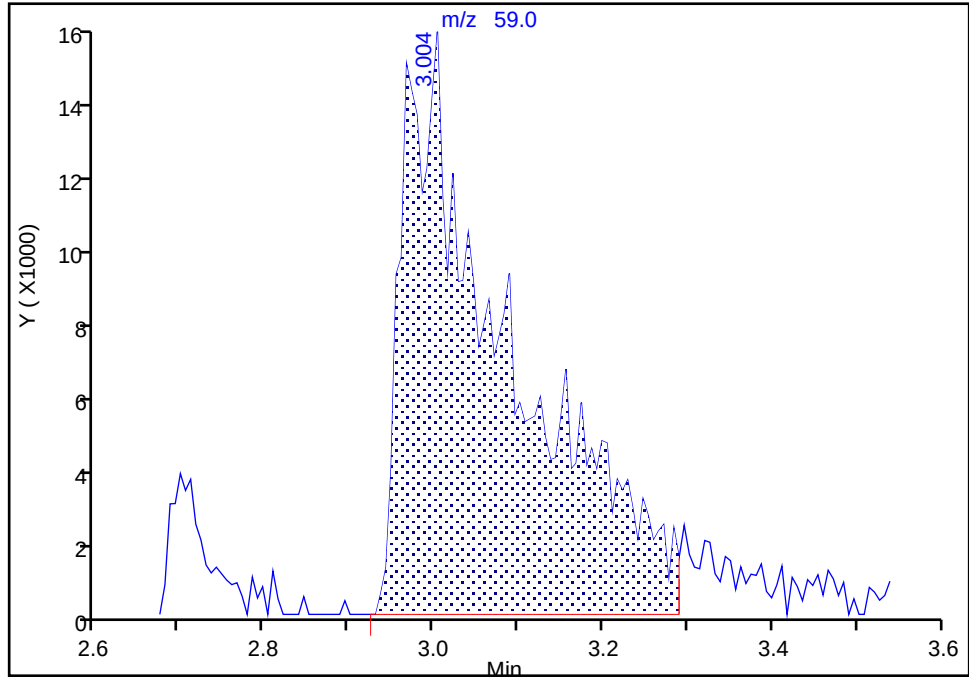
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Injection Date: 02-Nov-2021 17:12:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

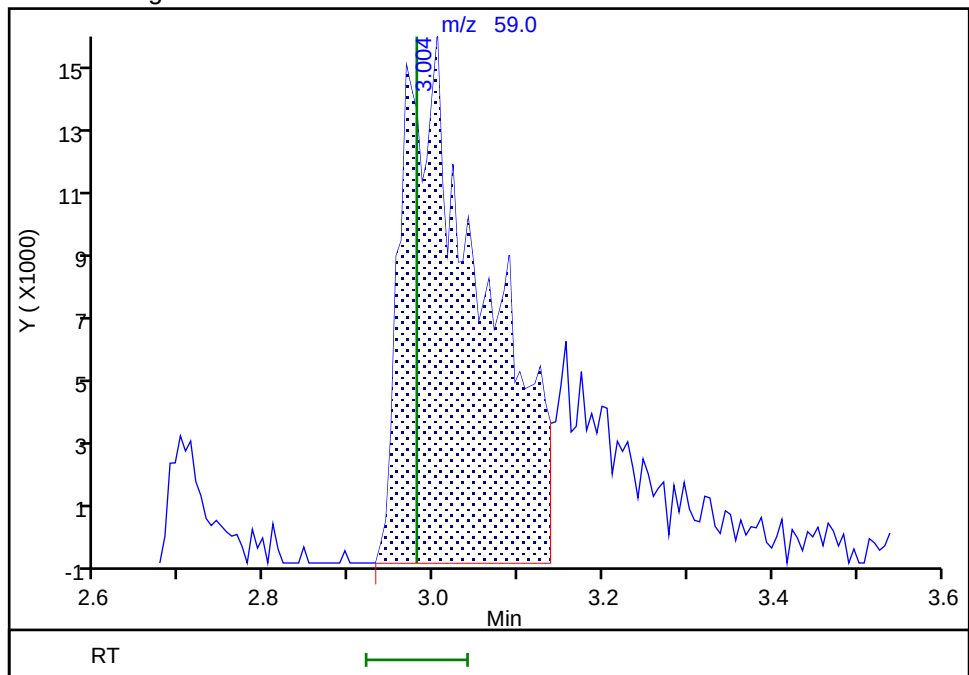
RT: 3.00
Area: 129984
Amount: 57.030834
Amount Units: ug/L

Processing Integration Results



RT: 3.00
Area: 99881
Amount: 46.431643
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:03:55
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 125 of 807

11/16/2021

Eurofins TestAmerica, Buffalo

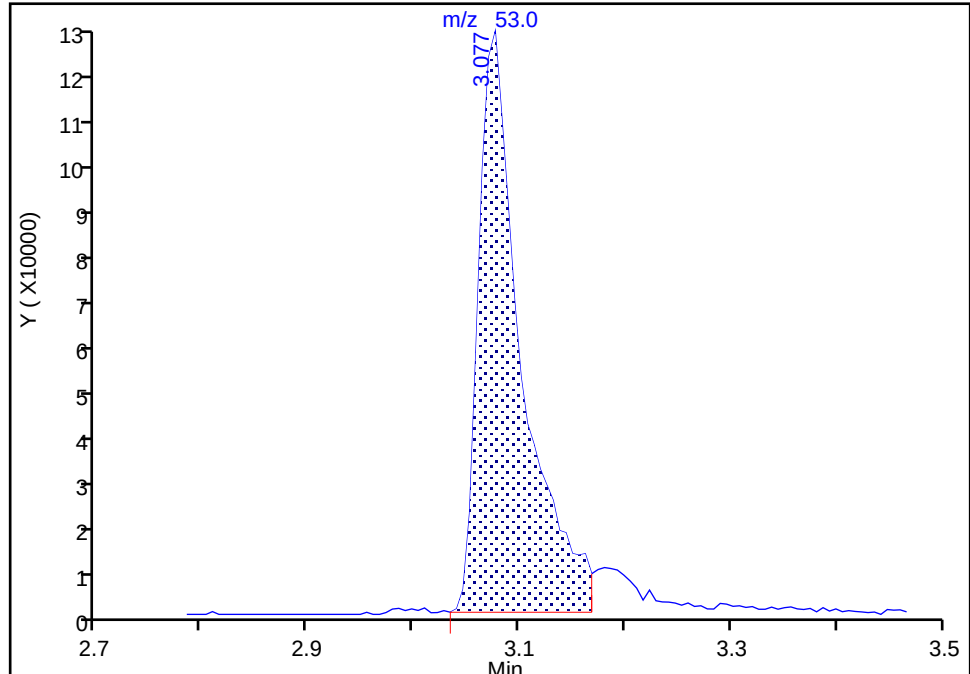
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Injection Date: 02-Nov-2021 17:12:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

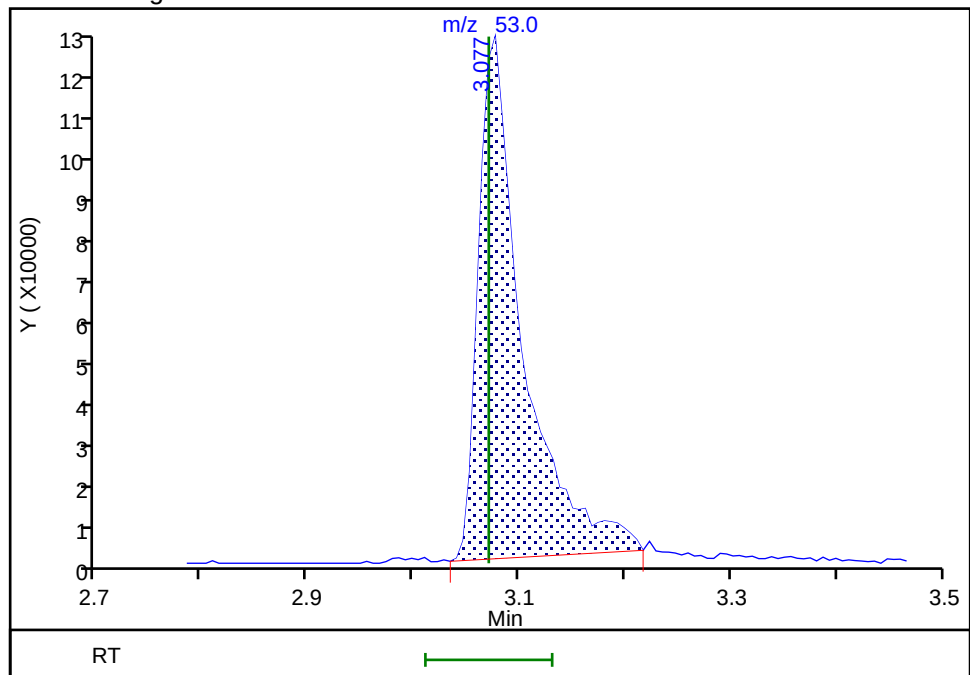
RT: 3.08
Area: 362563
Amount: 45.301791
Amount Units: ug/L

Processing Integration Results



RT: 3.08
Area: 369711
Amount: 46.092008
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:04:05
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 126 of 807

11/16/2021

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5634.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 02-Nov-2021 17:36:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0102107-008
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:16:10 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 11:05:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.993	4.999	-0.006	97	178085	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	88	379032	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.389	10.395	-0.006	74	343940	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.428	4.427	0.001	55	217249	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	78	153773	25.0	24.6	
\$ 5 Toluene-d8 (Surr)	98	6.490	6.496	-0.006	80	919524	25.0	23.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	87	281844	25.0	24.2	
10 Dichlorodifluoromethane	85	1.088	1.082	0.006	86	99843	10.0	9.49	
12 Chloromethane	50	1.240	1.240	0.000	88	180388	10.0	9.59	
13 Vinyl chloride	62	1.313	1.313	0.000	67	153993	10.0	9.75	
151 Butadiene	54	1.325	1.325	0.000	64	187912	10.0	9.49	
14 Bromomethane	94	1.587	1.593	-0.007	90	83565	10.0	10.0	
15 Chloroethane	64	1.653	1.653	0.000	93	94300	10.0	9.77	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	68	165500	10.0	9.68	
16 Dichlorofluoromethane	67	1.854	1.848	0.006	80	193556	10.0	9.18	
18 Ethyl ether	59	2.098	2.091	0.007	93	122409	10.0	9.29	
20 Acrolein	56	2.274	2.268	0.006	87	34842	50.0	46.6	M
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.298	2.304	-0.006	67	82304	10.0	8.85	
22 1,1-Dichloroethene	96	2.310	2.316	-0.006	86	90268	10.0	9.49	
23 Acetone	43	2.414	2.420	-0.006	96	328792	50.0	47.5	
25 Iodomethane	142	2.469	2.469	0.000	99	155605	10.0	9.71	
26 Carbon disulfide	76	2.493	2.499	-0.006	99	319129	10.0	9.14	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	234323	10.0	9.11	
27 Methyl acetate	43	2.706	2.700	0.006	97	338435	20.0	19.3	
30 Methylene Chloride	84	2.815	2.815	0.000	89	116604	10.0	9.42	
31 2-Methyl-2-propanol	59	2.974	2.980	-0.006	66	215016	100.0	91.8	M
32 Methyl tert-butyl ether	73	2.992	2.998	-0.006	98	383998	10.0	9.56	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	86	106734	10.0	8.91	
33 Acrylonitrile	53	3.071	3.071	0.000	100	823801	100.0	94.3	
35 Hexane	57	3.199	3.199	0.000	91	218357	10.0	9.46	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	82	224054	10.0	9.32	
37 Vinyl acetate	43	3.478	3.478	0.000	96	808834	20.0	18.7	
44 2,2-Dichloropropane	77	3.923	3.923	0.000	88	106687	10.0	9.38	
45 cis-1,2-Dichloroethene	96	3.959	3.959	0.000	70	123859	10.0	9.36	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	96	556862	50.0	50.0	
48 Chlorobromomethane	128	4.196	4.196	0.000	88	63334	10.0	9.59	
49 Tetrahydrofuran	42	4.215	4.208	0.007	92	146264	20.0	18.9	
50 Chloroform	83	4.275	4.275	0.000	80	203410	10.0	9.31	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	70	165688	10.0	9.14	
52 Cyclohexane	56	4.373	4.379	-0.006	86	255689	10.0	9.38	
55 Carbon tetrachloride	117	4.507	4.507	0.000	82	133743	10.0	9.62	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	90	158529	10.0	9.56	
57 Benzene	78	4.726	4.726	0.000	93	463981	10.0	9.45	
53 Isobutyl alcohol	43	4.780	4.774	0.006	82	268490	250.0	228.1	
58 1,2-Dichloroethane	62	4.799	4.799	0.000	78	195853	10.0	9.18	
59 n-Heptane	43	4.908	4.908	0.000	96	294182	10.0	10.2	
62 Trichloroethene	95	5.334	5.334	0.000	91	109627	10.0	9.07	
64 Methylcyclohexane	83	5.437	5.437	0.000	97	204618	10.0	9.38	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	90	133451	10.0	9.27	
67 Dibromomethane	93	5.705	5.705	0.000	88	71691	10.0	9.32	
66 1,4-Dioxane	88	5.717	5.723	-0.006	11	39490	200.0	218.5	
68 Dichlorobromomethane	83	5.863	5.869	-0.006	90	139473	10.0	9.33	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	90	100991	10.0	10.2	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	84	192994	10.0	9.52	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.429	0.006	99	1117523	50.0	46.7	
74 Toluene	92	6.557	6.557	0.000	85	293949	10.0	9.30	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	94	185753	10.0	9.39	
75 Ethyl methacrylate	69	6.904	6.903	0.001	78	183695	10.0	9.60	
79 1,1,2-Trichloroethane	83	7.031	7.037	-0.006	89	92626	10.0	9.40	
81 Tetrachloroethene	166	7.074	7.080	-0.006	83	123333	10.0	9.07	
82 1,3-Dichloropropane	76	7.189	7.189	0.000	95	195608	10.0	9.30	
80 2-Hexanone	43	7.269	7.268	0.001	98	825553	50.0	48.4	
83 Chlorodibromomethane	129	7.421	7.421	0.000	89	100919	10.0	9.27	
84 Ethylene Dibromide	107	7.518	7.518	0.000	99	112659	10.0	8.96	
87 Chlorobenzene	112	7.993	7.992	0.000	90	331221	10.0	9.22	
88 Ethylbenzene	91	8.090	8.090	0.000	99	561174	10.0	9.36	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	114573	10.0	9.41	
90 m-Xylene & p-Xylene	106	8.212	8.211	0.001	98	217344	10.0	9.23	
91 o-Xylene	106	8.631	8.631	0.000	97	217150	10.0	9.31	
92 Styrene	104	8.662	8.662	0.000	90	342283	10.0	9.20	
95 Bromoform	173	8.911	8.905	0.006	92	67041	10.0	9.18	
94 Isopropylbenzene	105	9.021	9.014	0.007	96	559699	10.0	9.37	
101 Bromobenzene	156	9.367	9.367	0.000	97	141771	10.0	9.61	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.446	0.000	72	160194	10.0	9.46	
99 N-Propylbenzene	91	9.459	9.459	0.000	98	657884	10.0	9.54	
100 1,2,3-Trichloropropane	110	9.471	9.471	0.000	55	53208	10.0	9.10	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.495	0.006	87	34484	10.0	9.13	
103 2-Chlorotoluene	126	9.562	9.562	0.000	95	134865	10.0	9.42	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	94	477589	10.0	9.34	
105 4-Chlorotoluene	126	9.684	9.684	0.000	98	138090	10.0	9.71	
106 tert-Butylbenzene	134	9.976	9.976	0.000	87	109115	10.0	9.65	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	71	503113	10.0	9.51	

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	10.189	10.189	0.000	95	607569	10.0	9.53	
111 1,3-Dichlorobenzene	146	10.323	10.322	0.000	96	278586	10.0	9.51	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	97	559742	10.0	9.44	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	92	275870	10.0	9.40	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	491631	10.0	9.43	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	91	270950	10.0	9.27	
117 1,2-Dibromo-3-Chloropropane	75	11.515	11.521	-0.006	67	35171	10.0	9.63	
119 1,2,4-Trichlorobenzene	180	12.190	12.190	0.000	91	220212	10.0	9.59	
120 Hexachlorobutadiene	225	12.312	12.306	0.006	91	98864	10.0	9.53	
121 Naphthalene	128	12.403	12.403	0.000	97	651622	10.0	9.56	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	94	215084	10.0	9.31	
S 123 Total BTEX	1				0			46.7	
S 126 1,3-Dichloropropene, Total	1				0			18.9	
S 125 1,2-Dichloroethene, Total	1				0			18.3	
S 124 Xylenes, Total	1				0			18.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00479

Amount Added: 5.00

Units: uL

8260 CORP mix_00216

Amount Added: 5.00

Units: uL

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5634.D

Injection Date: 02-Nov-2021 17:36:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 4

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

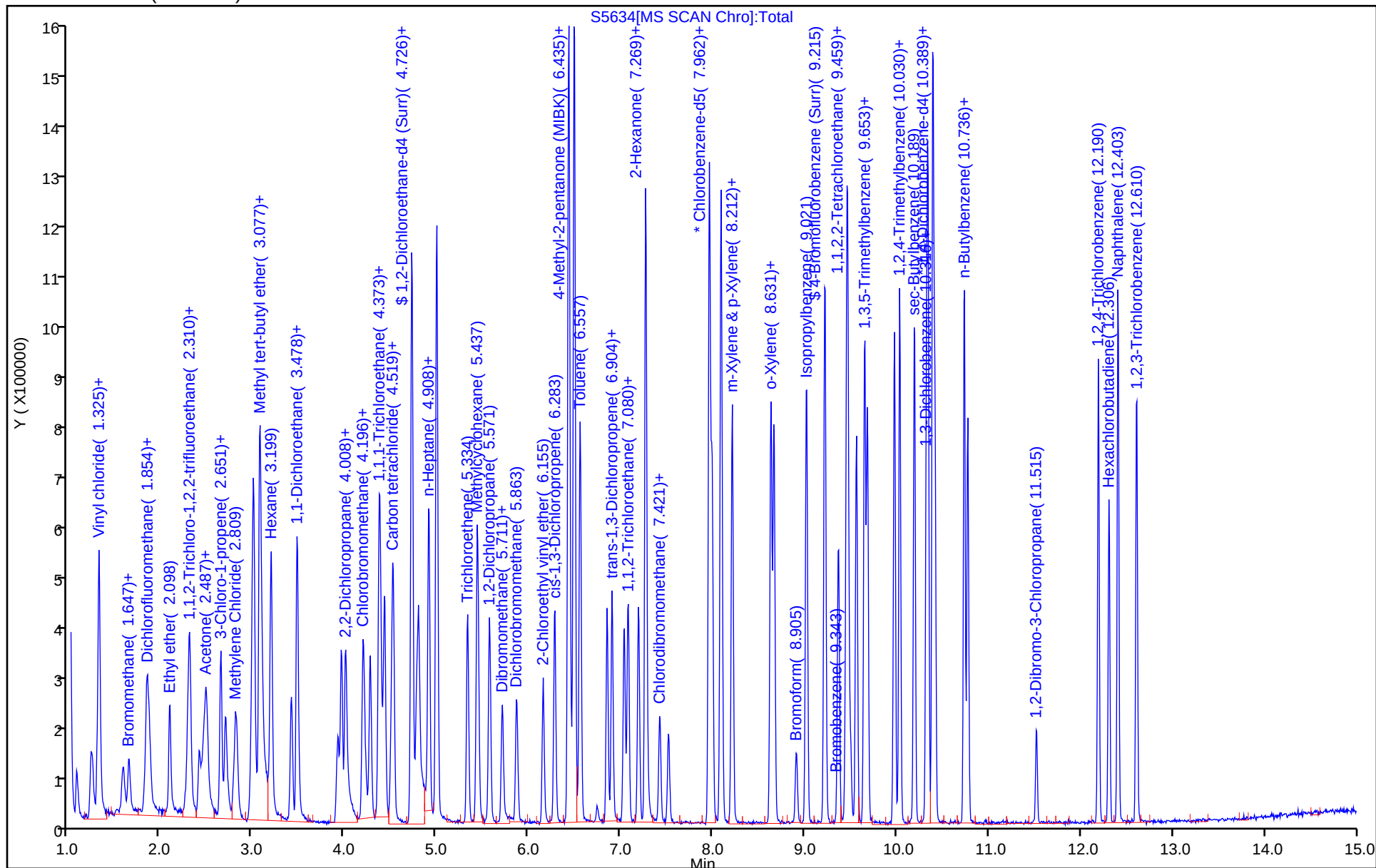
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5634.D

Injection Date: 02-Nov-2021 17:36:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

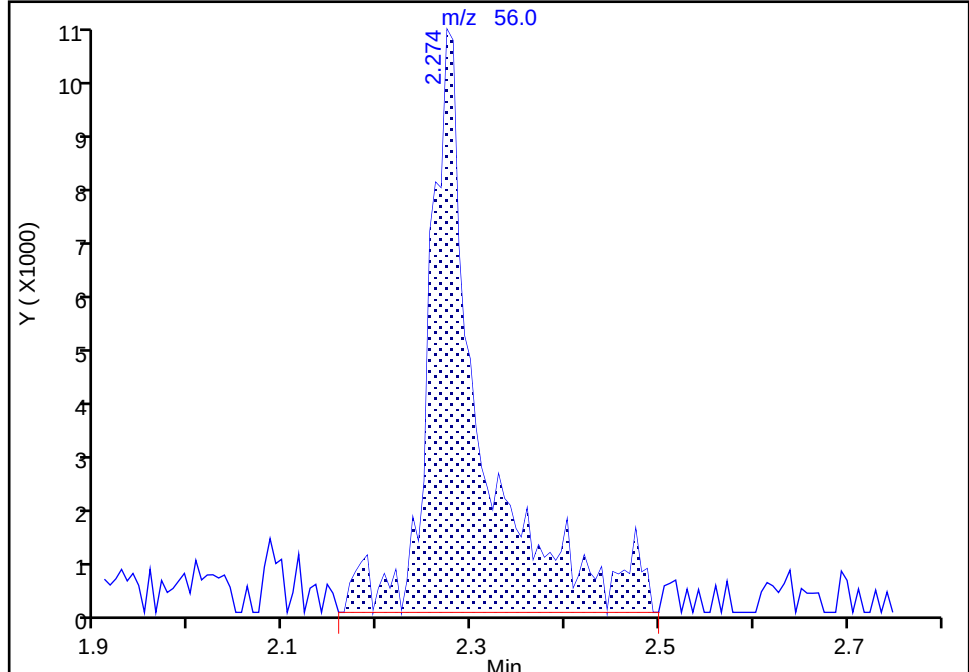
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

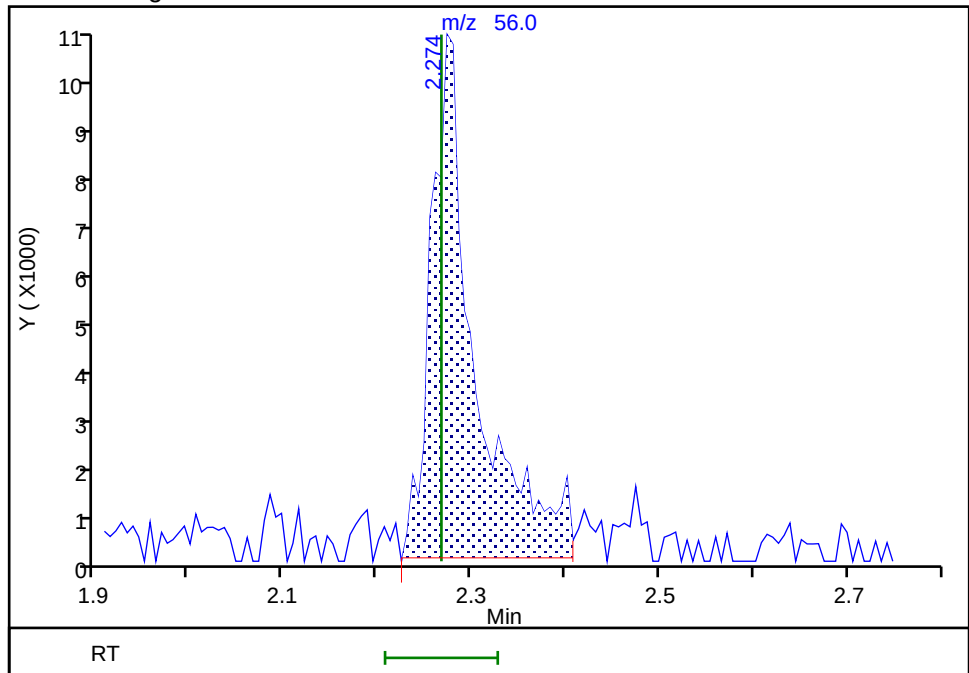
RT: 2.27
Area: 41327
Amount: 54.142887
Amount Units: ug/L

Processing Integration Results



RT: 2.27
Area: 34842
Amount: 46.637414
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:05:11

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

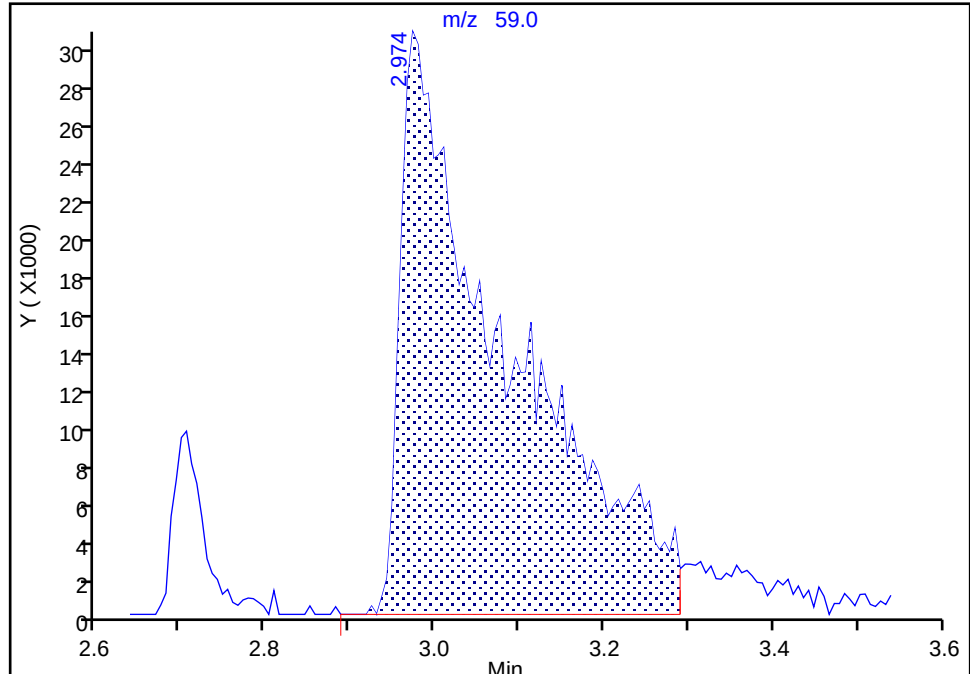
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5634.D
Injection Date: 02-Nov-2021 17:36:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

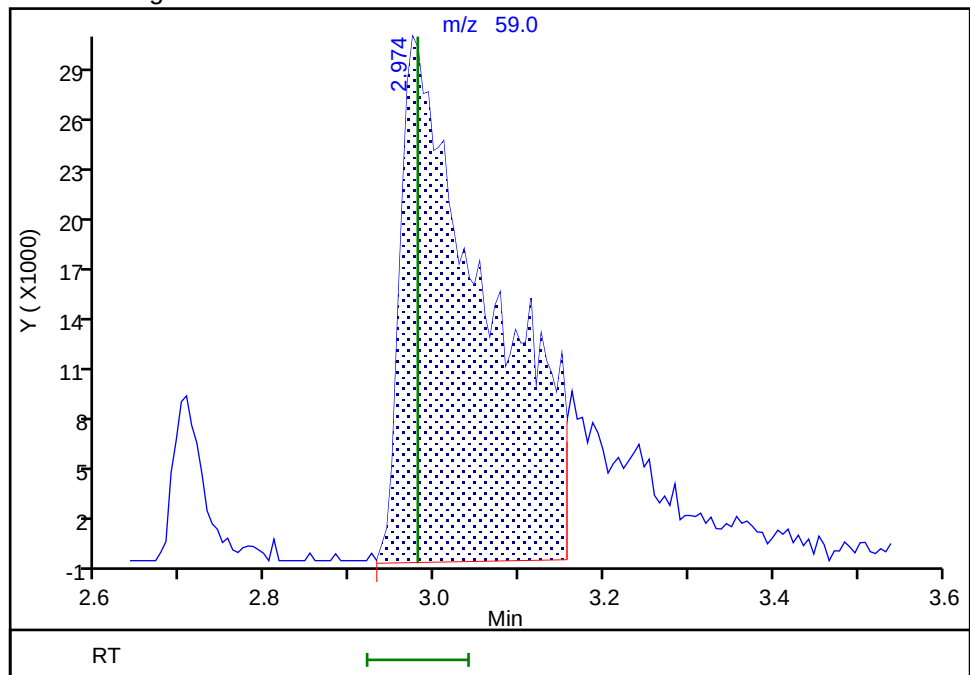
RT: 2.97
Area: 260991
Amount: 108.7793
Amount Units: ug/L

Processing Integration Results



RT: 2.97
Area: 215016
Amount: 91.816502
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:05:33

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5635.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 02-Nov-2021 17:59:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0102107-009
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:16:13 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 10:40:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	98	179339	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	88	359302	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.389	10.389	0.000	49	326530	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	0.000	57	215457	25.0	24.1	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	51	154041	25.0	24.4	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	49	935236	25.0	25.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	86	274527	25.0	24.9	
10 Dichlorodifluoromethane	85	1.082	1.082	0.000	87	270860	25.0	25.6	
12 Chloromethane	50	1.240	1.240	0.000	89	465704	25.0	24.6	
13 Vinyl chloride	62	1.313	1.313	0.000	73	412613	25.0	25.9	
151 Butadiene	54	1.325	1.325	0.000	68	484765	25.0	24.3	
14 Bromomethane	94	1.593	1.593	0.000	89	213199	25.0	25.3	
15 Chloroethane	64	1.653	1.653	0.000	94	238012	25.0	24.5	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	67	456853	25.0	26.5	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	80	517401	25.0	24.4	
18 Ethyl ether	59	2.091	2.091	0.000	97	315262	25.0	23.8	
20 Acrolein	56	2.268	2.268	0.000	93	86863	125.0	115.5	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.304	2.304	0.000	64	258696	25.0	27.6	
22 1,1-Dichloroethene	96	2.316	2.316	0.000	86	251619	25.0	26.3	
23 Acetone	43	2.420	2.420	0.000	99	848368	125.0	121.7	
25 Iodomethane	142	2.469	2.469	0.000	99	418475	25.0	25.9	
26 Carbon disulfide	76	2.499	2.499	0.000	99	869643	25.0	24.7	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	89	663172	25.0	25.6	
27 Methyl acetate	43	2.700	2.700	0.000	97	817707	50.0	46.4	
30 Methylene Chloride	84	2.815	2.815	0.000	89	308786	25.0	25.2	
31 2-Methyl-2-propanol	59	2.980	2.980	0.000	79	597527	250.0	253.4	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	92	980913	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	88	308799	25.0	25.6	
33 Acrylonitrile	53	3.071	3.071	0.000	99	2152365	250.0	244.8	
35 Hexane	57	3.199	3.199	0.000	95	630826	25.0	27.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	86	609635	25.0	25.2	
37 Vinyl acetate	43	3.478	3.478	0.000	97	2169898	50.0	49.7	
44 2,2-Dichloropropane	77	3.923	3.923	0.000	92	269413	25.0	23.5	
45 cis-1,2-Dichloroethene	96	3.959	3.959	0.000	71	328275	25.0	24.6	
43 2-Butanone (MEK)	43	4.008	4.008	0.000	97	1402997	125.0	125.2	
48 Chlorobromomethane	128	4.196	4.196	0.000	86	159842	25.0	24.0	
49 Tetrahydrofuran	42	4.208	4.208	0.000	92	374785	50.0	48.0	
50 Chloroform	83	4.275	4.275	0.000	82	531335	25.0	24.1	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	71	476220	25.0	26.1	
52 Cyclohexane	56	4.379	4.379	0.000	93	785946	25.0	28.6	
55 Carbon tetrachloride	117	4.507	4.507	0.000	81	380482	25.0	27.2	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	89	436902	25.0	26.2	
57 Benzene	78	4.726	4.726	0.000	96	1234262	25.0	25.0	
53 Isobutyl alcohol	43	4.774	4.774	0.000	82	783333	625.0	660.9	
58 1,2-Dichloroethane	62	4.799	4.799	0.000	72	513137	25.0	23.9	
59 n-Heptane	43	4.908	4.908	0.000	97	744973	25.0	25.7	
62 Trichloroethene	95	5.334	5.334	0.000	91	319579	25.0	26.3	
64 Methylcyclohexane	83	5.437	5.437	0.000	98	609682	25.0	27.7	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	91	351652	25.0	24.2	
67 Dibromomethane	93	5.705	5.705	0.000	86	192809	25.0	24.9	
66 1,4-Dioxane	88	5.723	5.723	0.000	67	80789	500.0	471.6	
68 Dichlorobromomethane	83	5.869	5.869	0.000	88	381652	25.0	25.3	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	90	255631	25.0	25.6	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	83	517642	25.0	25.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.429	6.429	0.000	99	2802112	125.0	123.5	
74 Toluene	92	6.557	6.557	0.000	88	788496	25.0	26.3	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	94	493905	25.0	26.3	
75 Ethyl methacrylate	69	6.903	6.903	0.000	77	468433	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	88	234002	25.0	25.0	
81 Tetrachloroethene	166	7.080	7.080	0.000	83	334302	25.0	25.9	
82 1,3-Dichloropropane	76	7.189	7.189	0.000	97	502969	25.0	25.2	
80 2-Hexanone	43	7.268	7.268	0.000	99	2041187	125.0	126.2	
83 Chlorodibromomethane	129	7.421	7.421	0.000	86	263644	25.0	25.6	
84 Ethylene Dibromide	107	7.518	7.518	0.000	96	295795	25.0	24.8	
87 Chlorobenzene	112	7.992	7.992	0.000	92	875704	25.0	25.7	
88 Ethylbenzene	91	8.090	8.090	0.000	99	1505507	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	43	298852	25.0	25.9	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	607719	25.0	27.2	
91 o-Xylene	106	8.631	8.631	0.000	98	583235	25.0	26.4	
92 Styrene	104	8.662	8.662	0.000	92	951480	25.0	27.0	
95 Bromoform	173	8.905	8.905	0.000	94	180348	25.0	26.0	
94 Isopropylbenzene	105	9.014	9.014	0.000	97	1535597	25.0	27.1	
101 Bromobenzene	156	9.367	9.367	0.000	97	350876	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.446	0.000	70	405859	25.0	25.2	
99 N-Propylbenzene	91	9.459	9.459	0.000	98	1792822	25.0	27.4	
100 1,2,3-Trichloropropane	110	9.471	9.471	0.000	56	138201	25.0	24.9	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	86	107949	25.0	23.4	
103 2-Chlorotoluene	126	9.562	9.562	0.000	94	356105	25.0	26.2	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	94	1309631	25.0	27.0	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	362338	25.0	26.8	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	303221	25.0	28.2	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	79	1330522	25.0	26.5	

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	10.189	10.189	0.000	95	1704762	25.0	28.2	
111 1,3-Dichlorobenzene	146	10.322	10.322	0.000	97	725678	25.0	26.1	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	95	1601604	25.0	28.5	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	92	716227	25.0	25.7	
115 n-Butylbenzene	91	10.736	10.736	0.000	94	1341386	25.0	27.1	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	96	698559	25.0	25.2	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	79	87558	25.0	25.3	
119 1,2,4-Trichlorobenzene	180	12.190	12.190	0.000	92	557155	25.0	25.6	
120 Hexachlorobutadiene	225	12.306	12.306	0.000	93	276398	25.0	28.1	
121 Naphthalene	128	12.403	12.403	0.000	97	1680499	25.0	26.0	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	94	545634	25.0	24.9	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00479

Amount Added: 12.50

Units: uL

8260 CORP mix_00216

Amount Added: 12.50

Units: uL

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5635.D

Injection Date: 02-Nov-2021 17:59:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: ICIS 5

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

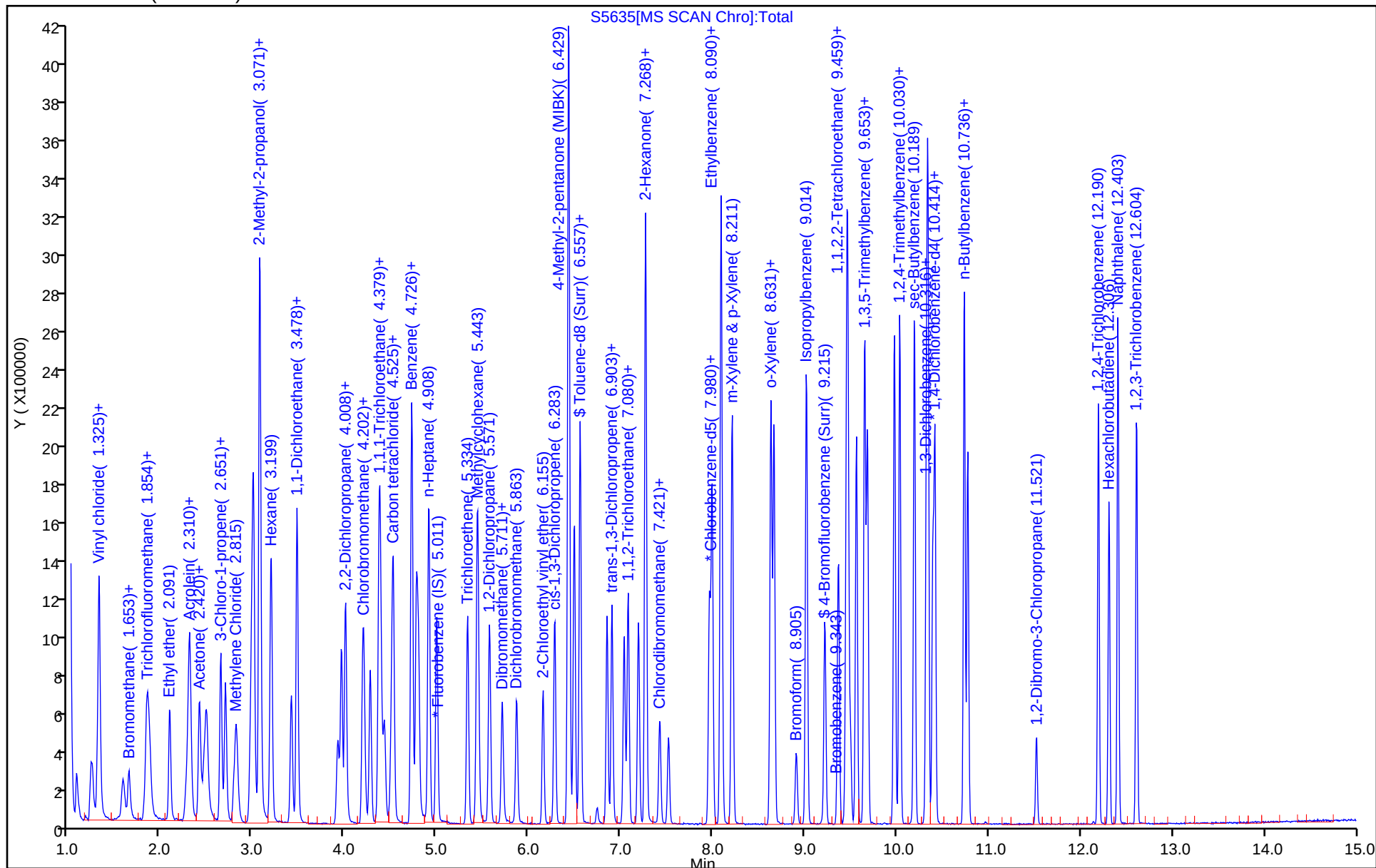
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5636.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 02-Nov-2021 18:22:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0102107-010
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:16:16 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 11:10:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	97	185454	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	89	375879	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.389	0.006	27	349755	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	0.000	61	226578	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.725	4.732	-0.007	40	153384	25.0	23.5	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	46	939497	25.0	24.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.215	9.221	-0.006	87	284110	25.0	24.6	
10 Dichlorodifluoromethane	85	1.081	1.082	-0.001	87	574247	50.0	52.4	
12 Chloromethane	50	1.246	1.240	0.006	88	907626	50.0	46.3	
13 Vinyl chloride	62	1.313	1.313	0.000	70	840122	50.0	51.1	
151 Butadiene	54	1.325	1.325	0.000	65	966682	50.0	46.9	
14 Bromomethane	94	1.592	1.593	-0.001	90	418262	50.0	48.1	
15 Chloroethane	64	1.653	1.653	0.000	94	488772	50.0	48.6	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	64	904468	50.0	50.8	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	80	1055292	50.0	48.1	
18 Ethyl ether	59	2.091	2.091	0.000	96	650633	50.0	47.4	
20 Acrolein	56	2.268	2.268	0.000	96	170632	250.0	219.3	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.298	2.304	-0.006	79	507972	50.0	52.4	
22 1,1-Dichloroethene	96	2.316	2.316	0.000	85	507070	50.0	51.2	
23 Acetone	43	2.414	2.420	-0.006	98	1772857	250.0	245.9	
25 Iodomethane	142	2.468	2.469	-0.001	99	827723	50.0	49.6	
26 Carbon disulfide	76	2.499	2.499	0.000	99	1779607	50.0	48.9	
28 3-Chloro-1-propene	41	2.645	2.651	-0.006	88	1348474	50.0	50.4	M
27 Methyl acetate	43	2.700	2.700	0.000	97	1718005	100.0	94.2	
30 Methylene Chloride	84	2.821	2.815	0.006	86	621699	50.0	49.3	
31 2-Methyl-2-propanol	59	2.973	2.980	-0.007	86	1297519	500.0	532.1	
32 Methyl tert-butyl ether	73	2.992	2.998	-0.006	97	2008119	50.0	48.0	
34 trans-1,2-Dichloroethene	96	3.004	3.010	-0.006	79	610456	50.0	48.9	
33 Acrylonitrile	53	3.071	3.071	0.000	98	4464062	500.0	490.9	
35 Hexane	57	3.199	3.199	-0.001	94	1289187	50.0	53.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	86	1260619	50.0	50.4	
37 Vinyl acetate	43	3.478	3.478	0.000	97	4566664	100.0	101.2	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	91	536034	50.0	45.3	
45 cis-1,2-Dichloroethene	96	3.959	3.959	0.000	70	658228	50.0	47.8	
43 2-Butanone (MEK)	43	4.002	4.008	-0.006	98	2900915	250.0	250.2	
48 Chlorobromomethane	128	4.190	4.196	-0.006	87	329026	50.0	47.9	
49 Tetrahydrofuran	42	4.208	4.208	0.000	92	764585	100.0	94.7	
50 Chloroform	83	4.275	4.275	0.000	83	1087790	50.0	47.8	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	70	953640	50.0	50.5	
52 Cyclohexane	56	4.379	4.379	0.000	94	1581525	50.0	55.7	
55 Carbon tetrachloride	117	4.506	4.507	-0.001	81	786289	50.0	54.3	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	90	895089	50.0	51.8	
57 Benzene	78	4.725	4.726	-0.001	97	2547413	50.0	49.8	
53 Isobutyl alcohol	43	4.774	4.774	0.000	83	1679380	1250.0	1370.3	
58 1,2-Dichloroethane	62	4.798	4.799	-0.001	75	1041479	50.0	46.9	
59 n-Heptane	43	4.908	4.908	0.000	97	1534608	50.0	51.2	
62 Trichloroethene	95	5.334	5.334	0.000	90	643094	50.0	51.1	
64 Methylcyclohexane	83	5.443	5.437	0.006	97	1234323	50.0	54.3	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	90	715849	50.0	47.7	
67 Dibromomethane	93	5.705	5.705	0.000	90	377866	50.0	47.2	
66 1,4-Dioxane	88	5.723	5.723	0.000	70	160370	1000.0	894.9	
68 Dichlorobromomethane	83	5.863	5.869	-0.006	87	795538	50.0	51.1	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	91	509088	50.0	49.4	
72 cis-1,3-Dichloropropene	75	6.277	6.283	-0.006	85	1082735	50.0	51.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.429	6.429	0.000	99	5807465	250.0	244.8	
74 Toluene	92	6.557	6.557	0.000	90	1596990	50.0	51.0	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	94	1026085	50.0	52.3	
75 Ethyl methacrylate	69	6.903	6.903	0.000	78	958896	50.0	50.5	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	89	473201	50.0	48.4	
81 Tetrachloroethene	166	7.080	7.080	0.000	84	692705	50.0	51.4	
82 1,3-Dichloropropane	76	7.189	7.189	0.000	99	1030102	50.0	49.4	
80 2-Hexanone	43	7.268	7.268	0.000	99	4185614	250.0	247.4	
83 Chlorodibromomethane	129	7.421	7.421	-0.001	86	576546	50.0	53.4	
84 Ethylene Dibromide	107	7.518	7.518	0.000	99	615882	50.0	49.4	
87 Chlorobenzene	112	7.992	7.992	0.000	93	1767526	50.0	49.6	
88 Ethylbenzene	91	8.090	8.090	0.000	99	3092401	50.0	52.0	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	635735	50.0	52.6	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	1218492	50.0	52.2	
91 o-Xylene	106	8.631	8.631	0.000	98	1180170	50.0	51.0	
92 Styrene	104	8.662	8.662	0.000	94	1941408	50.0	52.6	
95 Bromoform	173	8.905	8.905	0.000	94	387682	50.0	53.5	
94 Isopropylbenzene	105	9.020	9.014	0.006	96	3199552	50.0	52.7	
101 Bromobenzene	156	9.367	9.367	0.000	96	711984	50.0	47.5	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.446	0.000	72	854323	50.0	49.6	
99 N-Propylbenzene	91	9.465	9.459	0.006	97	3753644	50.0	53.5	
100 1,2,3-Trichloropropane	110	9.471	9.471	0.000	56	277158	50.0	46.6	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	88	241186	50.0	45.6	
103 2-Chlorotoluene	126	9.562	9.562	0.000	94	715845	50.0	49.2	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	94	2730550	50.0	52.5	
105 4-Chlorotoluene	126	9.684	9.684	0.000	96	734652	50.0	50.8	
106 tert-Butylbenzene	134	9.976	9.976	0.000	91	623224	50.0	54.2	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	60	2742823	50.0	51.0	

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	10.195	10.189	0.006	93	3568243	50.0	55.1	
111 1,3-Dichlorobenzene	146	10.322	10.322	0.000	97	1456320	50.0	48.9	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	93	3328699	50.0	55.2	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	93	1489834	50.0	49.9	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	2773126	50.0	52.3	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	92	1451128	50.0	48.8	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	80	184981	50.0	49.8	
119 1,2,4-Trichlorobenzene	180	12.190	12.190	0.000	91	1161545	50.0	49.7	
120 Hexachlorobutadiene	225	12.312	12.306	0.006	92	569616	50.0	54.0	
121 Naphthalene	128	12.403	12.403	0.000	97	3565755	50.0	51.4	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	93	1148267	50.0	48.9	
S 123 Total BTEX	1				0			256.0	
S 126 1,3-Dichloropropene, Total	1				0			103.6	
S 125 1,2-Dichloroethene, Total	1				0			96.7	
S 124 Xylenes, Total	1				0			103.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00479

Amount Added: 25.00

Units: uL

8260 CORP mix_00216

Amount Added: 25.00

Units: uL

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5636.D

Injection Date: 02-Nov-2021 18:22:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 6

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

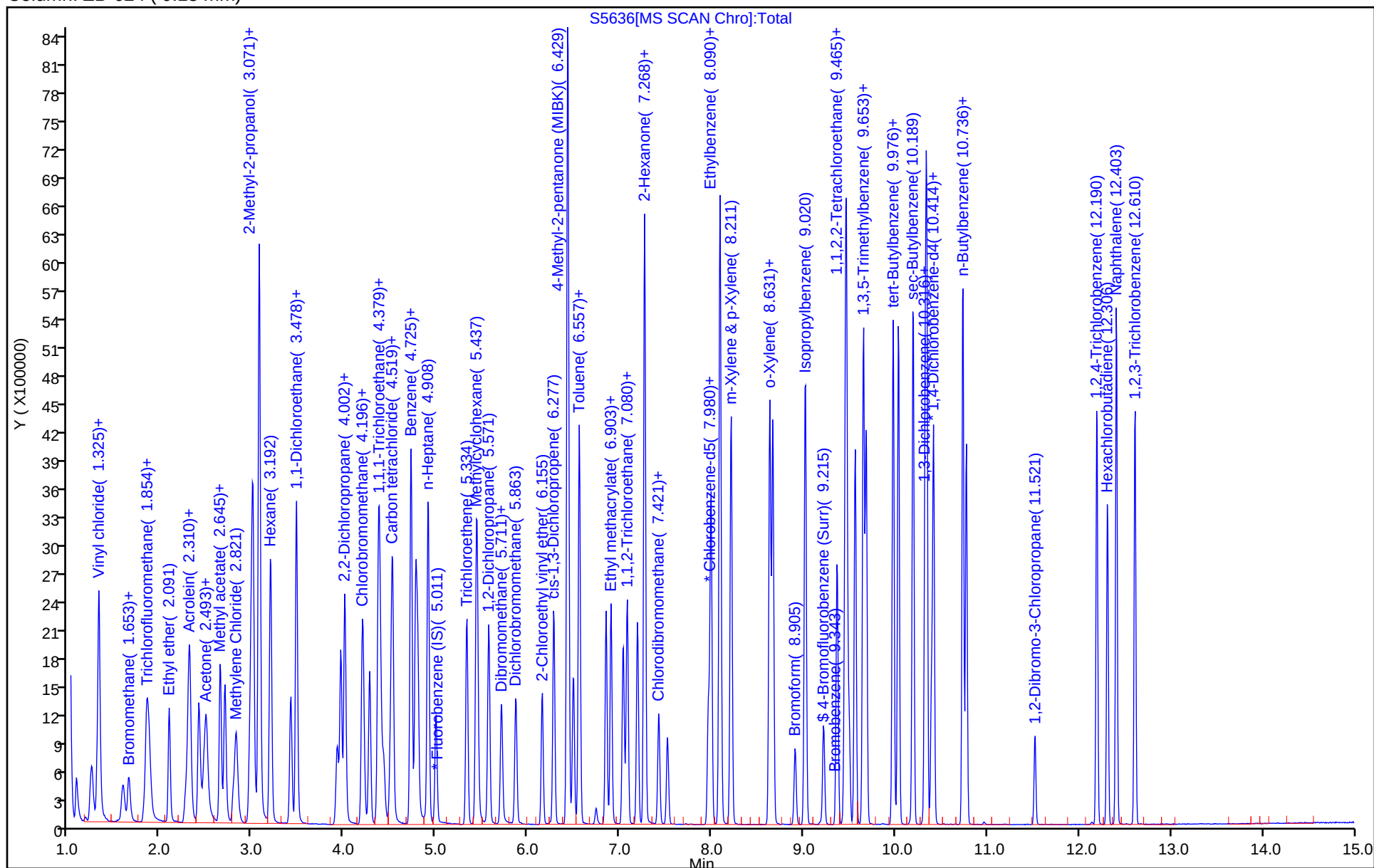
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

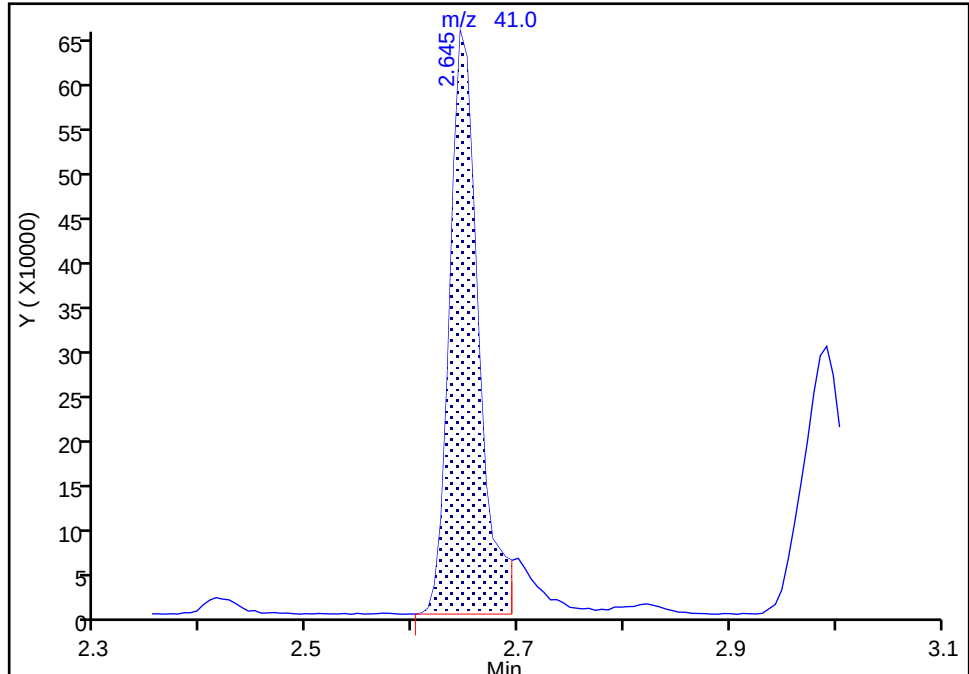
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5636.D
Injection Date: 02-Nov-2021 18:22:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

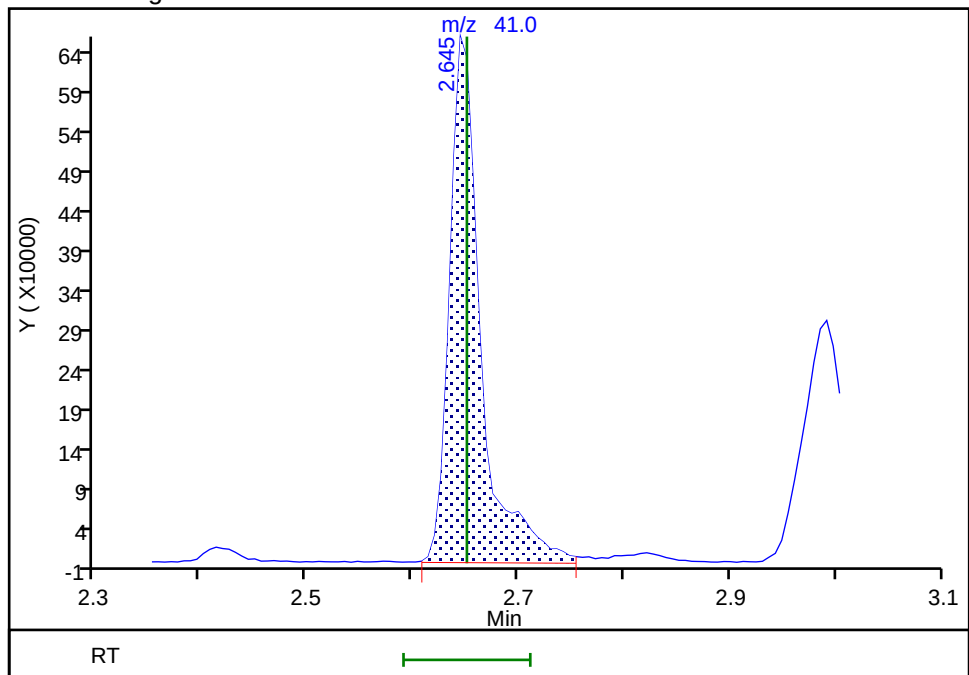
RT: 2.64
Area: 1240790
Amount: 46.817687
Amount Units: ug/L

Processing Integration Results



RT: 2.64
Area: 1348474
Amount: 50.369193
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:09:53
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 141 of 807

11/16/2021

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5637.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 02-Nov-2021 18:45:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0102107-011
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:16:20 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 11:11:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.993	4.999	-0.006	97	178558	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	90	368832	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.389	0.006	1	335684	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.433	4.427	0.006	56	224943	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.732	-0.001	36	157214	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	18	958731	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	88	282465	25.0	25.0	
10 Dichlorodifluoromethane	85	1.081	1.082	-0.001	87	1079982	100.0	102.4	
12 Chloromethane	50	1.239	1.240	-0.001	89	1785840	100.0	94.7	
13 Vinyl chloride	62	1.312	1.313	-0.001	71	1585739	100.0	100.1	
151 Butadiene	54	1.325	1.325	0.000	64	1858539	100.0	93.6	
14 Bromomethane	94	1.586	1.593	-0.007	91	814530	100.0	97.2	
15 Chloroethane	64	1.647	1.653	-0.006	94	949230	100.0	98.1	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	63	1779762	100.0	103.8	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	80	2070653	100.0	97.9	
18 Ethyl ether	59	2.091	2.091	0.000	97	1299589	100.0	98.4	
20 Acrolein	56	2.268	2.268	0.000	93	376914	500.0	503.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.298	2.304	-0.006	72	977869	100.0	104.8	
22 1,1-Dichloroethene	96	2.310	2.316	-0.006	85	978069	100.0	102.5	
23 Acetone	43	2.414	2.420	-0.006	97	3501435	500.0	504.4	
25 Iodomethane	142	2.462	2.469	-0.007	99	1623213	100.0	101.0	
26 Carbon disulfide	76	2.499	2.499	0.000	99	3423847	100.0	97.8	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	89	2675514	100.0	103.8	
27 Methyl acetate	43	2.700	2.700	0.000	97	3456876	200.0	196.9	
30 Methylene Chloride	84	2.809	2.815	-0.006	91	1224895	100.0	101.2	
31 2-Methyl-2-propanol	59	2.973	2.980	-0.007	88	2553772	1000.0	1087.6	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	94	4099693	100.0	101.8	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	88	1202804	100.0	100.1	
33 Acrylonitrile	53	3.077	3.071	0.006	99	9140060	1000.0	1043.9	
35 Hexane	57	3.198	3.199	-0.001	94	2456428	100.0	106.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.417	3.418	-0.001	85	2495797	100.0	103.6	
37 Vinyl acetate	43	3.478	3.478	0.000	97	9406804	200.0	216.5	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	92	1111352	100.0	97.5	
45 cis-1,2-Dichloroethene	96	3.965	3.959	0.006	71	1292249	100.0	97.4	
43 2-Butanone (MEK)	43	4.001	4.008	-0.007	96	5933675	500.0	531.6	
48 Chlorobromomethane	128	4.190	4.196	-0.006	87	651016	100.0	98.4	
49 Tetrahydrofuran	42	4.208	4.208	0.000	92	1531108	200.0	197.1	
50 Chloroform	83	4.275	4.275	0.000	83	2146639	100.0	98.0	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	70	1903440	100.0	104.7	
52 Cyclohexane	56	4.379	4.379	0.000	93	2985238	100.0	109.2	
55 Carbon tetrachloride	117	4.506	4.507	-0.001	82	1575974	100.0	113.1	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	91	1771858	100.0	106.6	
57 Benzene	78	4.725	4.726	-0.001	98	5108587	100.0	103.8	
53 Isobutyl alcohol	43	4.780	4.774	0.006	84	3354477	2500.0	2842.7	
58 1,2-Dichloroethane	62	4.798	4.799	-0.001	73	2058820	100.0	96.2	
59 n-Heptane	43	4.914	4.908	0.006	97	2919935	100.0	101.2	
62 Trichloroethene	95	5.334	5.334	0.000	91	1272096	100.0	105.0	
64 Methylcyclohexane	83	5.443	5.437	0.006	97	2393816	100.0	109.4	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	90	1433384	100.0	99.3	
67 Dibromomethane	93	5.705	5.705	0.000	90	765411	100.0	99.2	
66 1,4-Dioxane	88	5.717	5.723	-0.006	46	323412	2000.0	1839.1	M
68 Dichlorobromomethane	83	5.869	5.869	0.000	89	1652407	100.0	110.2	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	91	1072358	100.0	108.0	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	86	2197358	100.0	108.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.435	6.429	0.006	98	11667486	500.0	501.1	
74 Toluene	92	6.557	6.557	0.000	91	3276411	100.0	106.5	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	94	2110606	100.0	109.6	
75 Ethyl methacrylate	69	6.903	6.903	0.000	77	1998063	100.0	107.3	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	89	971288	100.0	101.3	
81 Tetrachloroethene	166	7.080	7.080	0.000	83	1365016	100.0	103.2	
82 1,3-Dichloropropane	76	7.189	7.189	0.000	99	2103073	100.0	102.8	
80 2-Hexanone	43	7.268	7.268	0.000	99	8528060	500.0	513.6	
83 Chlorodibromomethane	129	7.426	7.421	0.005	86	1231364	100.0	116.3	
84 Ethylene Dibromide	107	7.518	7.518	0.000	98	1243811	100.0	101.6	
87 Chlorobenzene	112	7.992	7.992	0.000	92	3617450	100.0	103.4	
88 Ethylbenzene	91	8.090	8.090	0.000	99	6284995	100.0	107.8	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	1288582	100.0	108.7	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	2428905	100.0	106.0	
91 o-Xylene	106	8.631	8.631	0.000	98	2362851	100.0	104.1	
92 Styrene	104	8.668	8.662	0.006	94	4078027	100.0	112.7	
95 Bromoform	173	8.905	8.905	0.000	93	853207	100.0	120.0	
94 Isopropylbenzene	105	9.020	9.014	0.006	96	6443216	100.0	110.5	
101 Bromobenzene	156	9.367	9.367	0.000	96	1441618	100.0	100.1	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.446	0.000	76	1709579	100.0	103.5	
99 N-Propylbenzene	91	9.464	9.459	0.005	98	7564216	100.0	112.4	
100 1,2,3-Trichloropropane	110	9.477	9.471	0.006	66	556135	100.0	97.5	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	66	541205	100.0	102.6	
103 2-Chlorotoluene	126	9.562	9.562	0.000	94	1427465	100.0	102.1	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	94	5565428	100.0	111.5	
105 4-Chlorotoluene	126	9.683	9.684	-0.001	96	1498120	100.0	107.9	
106 tert-Butylbenzene	134	9.975	9.976	-0.001	91	1229106	100.0	111.3	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	60	5630911	100.0	109.1	

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	10.194	10.189	0.005	94	7185604	100.0	115.5	
111 1,3-Dichlorobenzene	146	10.322	10.322	0.000	96	2953701	100.0	103.4	
110 4-Isopropyltoluene	119	10.341	10.341	-0.001	95	6693040	100.0	115.7	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	93	3010838	100.0	105.1	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	5511120	100.0	108.3	
116 1,2-Dichlorobenzene	146	10.772	10.773	-0.001	91	2929697	100.0	102.7	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	80	411526	100.0	115.5	
119 1,2,4-Trichlorobenzene	180	12.196	12.190	0.006	93	2347701	100.0	104.8	
120 Hexachlorobutadiene	225	12.312	12.306	0.006	93	1119714	100.0	110.6	
121 Naphthalene	128	12.409	12.403	0.006	97	7376368	100.0	110.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	93	2292638	100.0	101.7	
S 123 Total BTEX	1				0			528.1	
S 126 1,3-Dichloropropene, Total	1				0			217.8	
S 125 1,2-Dichloroethene, Total	1				0			197.5	
S 124 Xylenes, Total	1				0			210.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00479

Amount Added: 50.00

Units: uL

8260 CORP mix_00216

Amount Added: 50.00

Units: uL

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5637.D

Injection Date: 02-Nov-2021 18:45:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 7

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

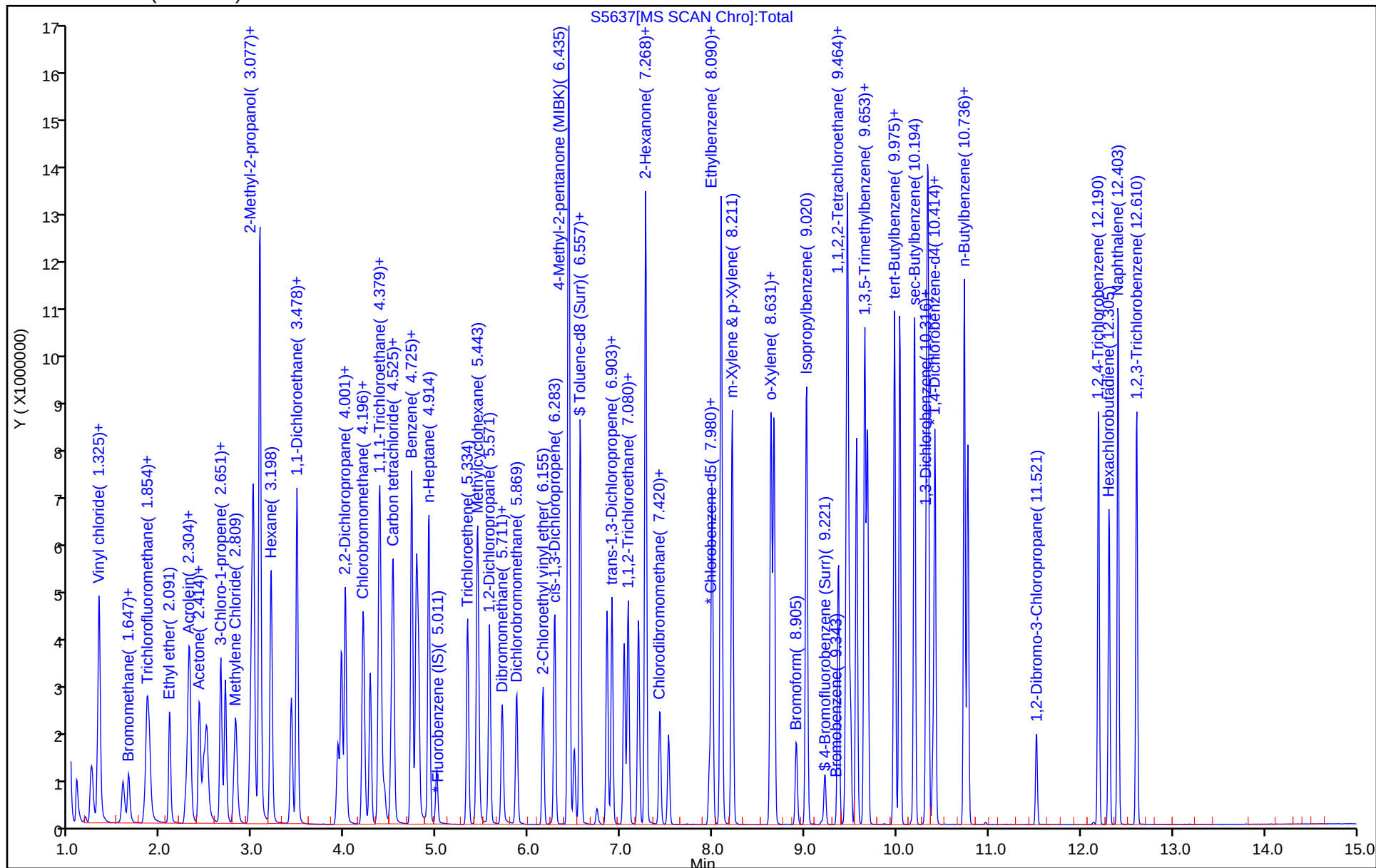
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

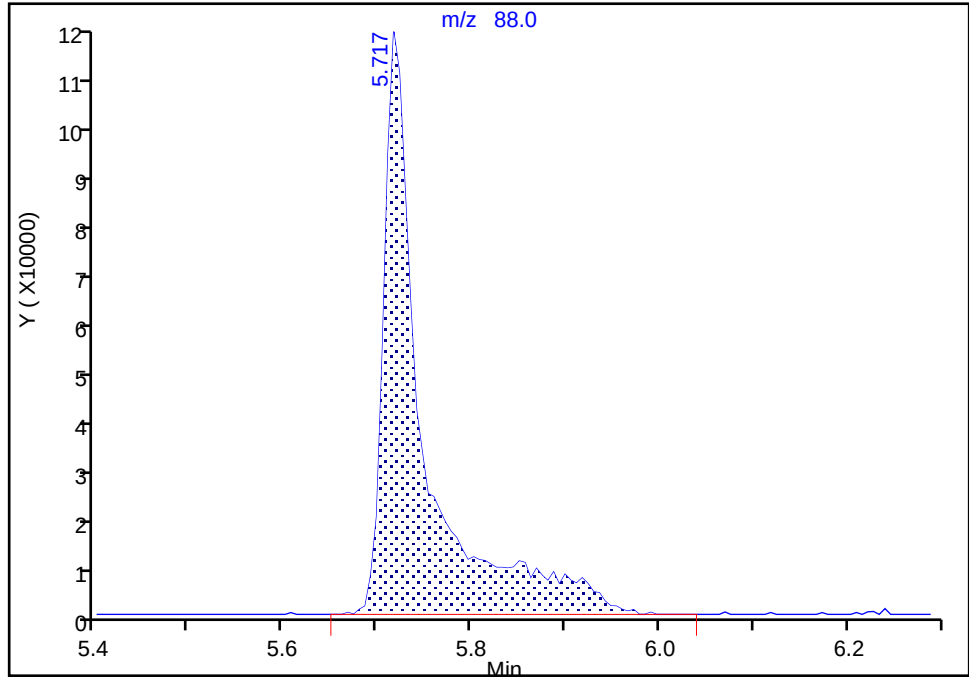
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5637.D
Injection Date: 02-Nov-2021 18:45:30 Instrument ID: HP5973S
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

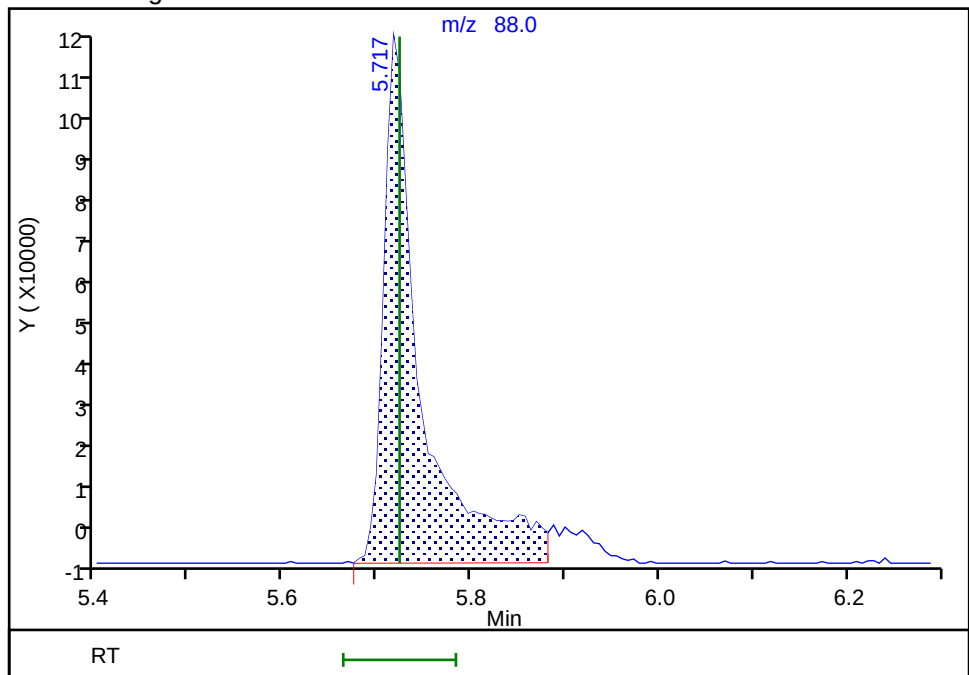
RT: 5.72
Area: 348294
Amount: 1963.2490
Amount Units: ug/L

Processing Integration Results



RT: 5.72
Area: 323412
Amount: 1839.1166
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 03-Nov-2021 11:11:55
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 146 of 807

11/16/2021

Calibration

/ Dichlorodifluoromethane

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

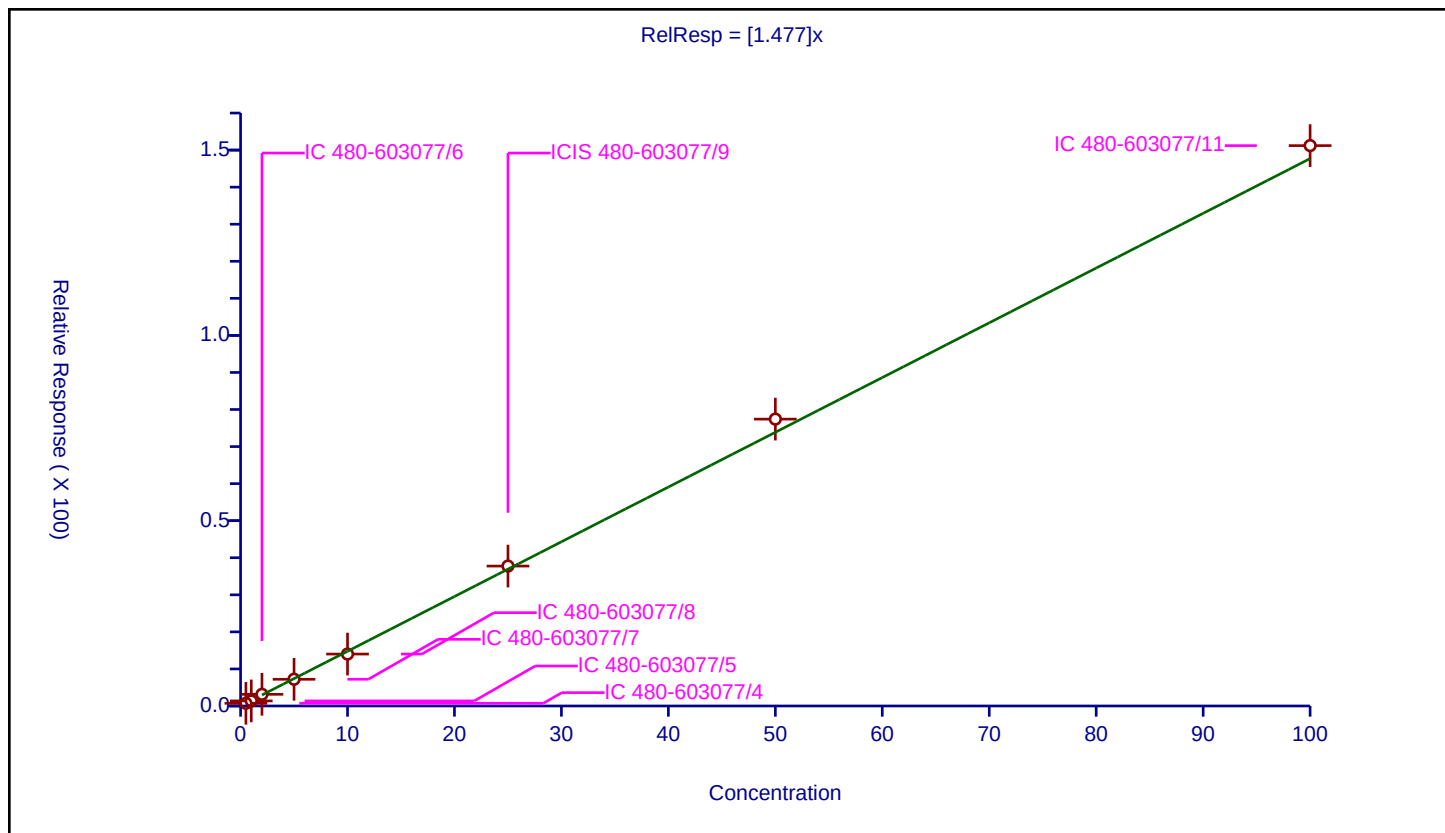
Curve Coefficients

Intercept: 0
Slope: 1.477

Error Coefficients

Standard Error: 475000
Relative Standard Error: 4.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.728565	25.0	171330.0	1.45713	Y
2	IC 480-603077/5	1.0	1.371923	25.0	169215.0	1.371923	Y
3	IC 480-603077/6	2.0	3.145234	25.0	175599.0	1.572617	Y
4	IC 480-603077/7	5.0	7.21379	25.0	163586.0	1.442758	Y
5	IC 480-603077/8	10.0	14.0162	25.0	178085.0	1.40162	Y
6	ICIS 480-603077/9	25.0	37.758101	25.0	179339.0	1.510324	Y
7	IC 480-603077/10	50.0	77.410975	25.0	185454.0	1.54822	Y
8	IC 480-603077/11	100.0	151.208851	25.0	178558.0	1.512089	Y



Calibration

/ Chloromethane

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

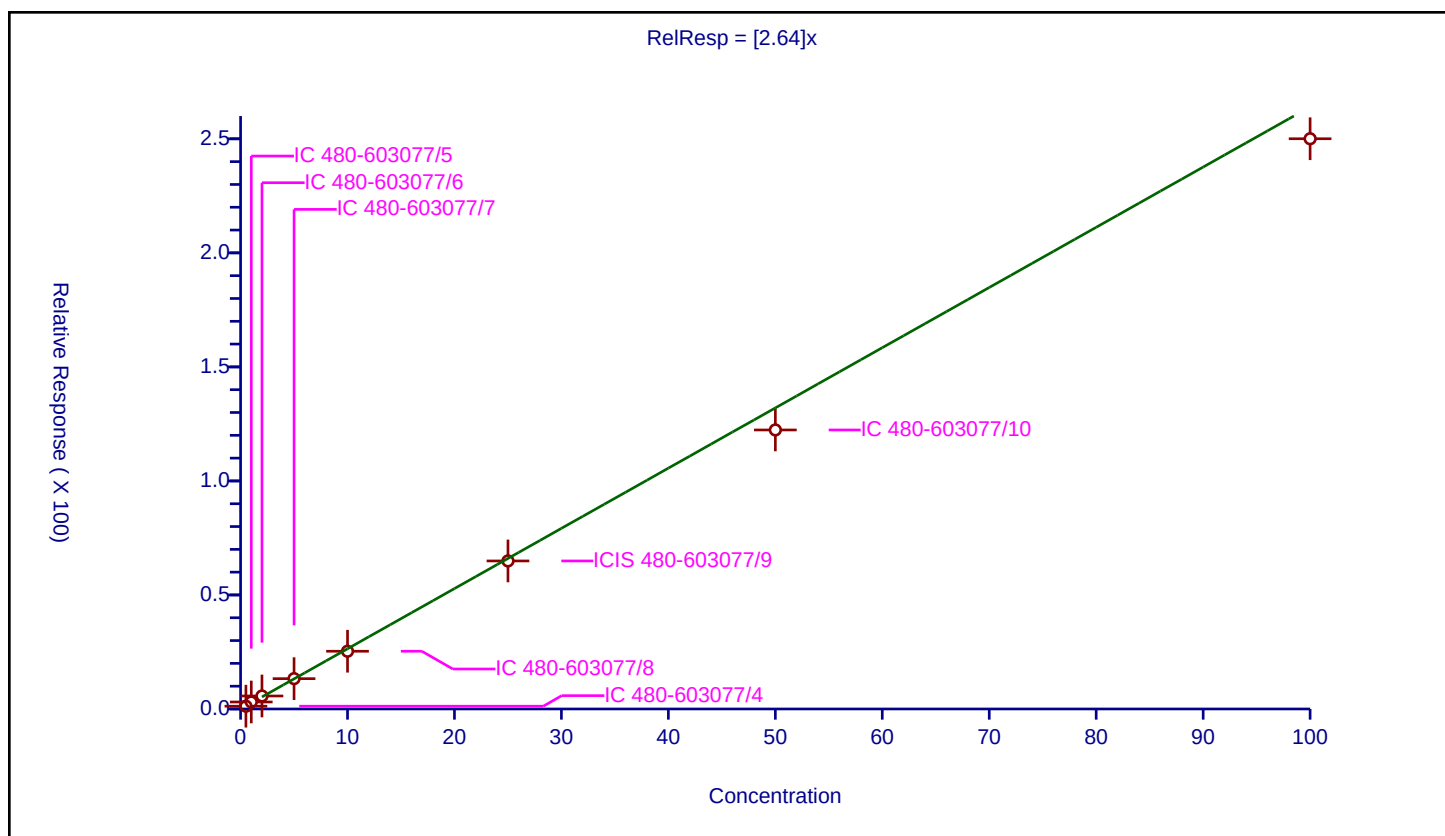
Curve Coefficients

Intercept: 0
 Slope: 2.64

Error Coefficients

Standard Error: 781000
 Relative Standard Error: 8.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.2241	25.0	171330.0	2.448199	Y
2	IC 480-603077/5	1.0	3.086606	25.0	169215.0	3.086606	Y
3	IC 480-603077/6	2.0	5.697356	25.0	175599.0	2.848678	Y
4	IC 480-603077/7	5.0	13.308596	25.0	163586.0	2.661719	Y
5	IC 480-603077/8	10.0	25.323301	25.0	178085.0	2.53233	Y
6	ICIS 480-603077/9	25.0	64.91951	25.0	179339.0	2.59678	Y
7	IC 480-603077/10	50.0	122.351904	25.0	185454.0	2.447038	Y
8	IC 480-603077/11	100.0	250.036403	25.0	178558.0	2.500364	Y



Calibration

/ Vinyl chloride

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

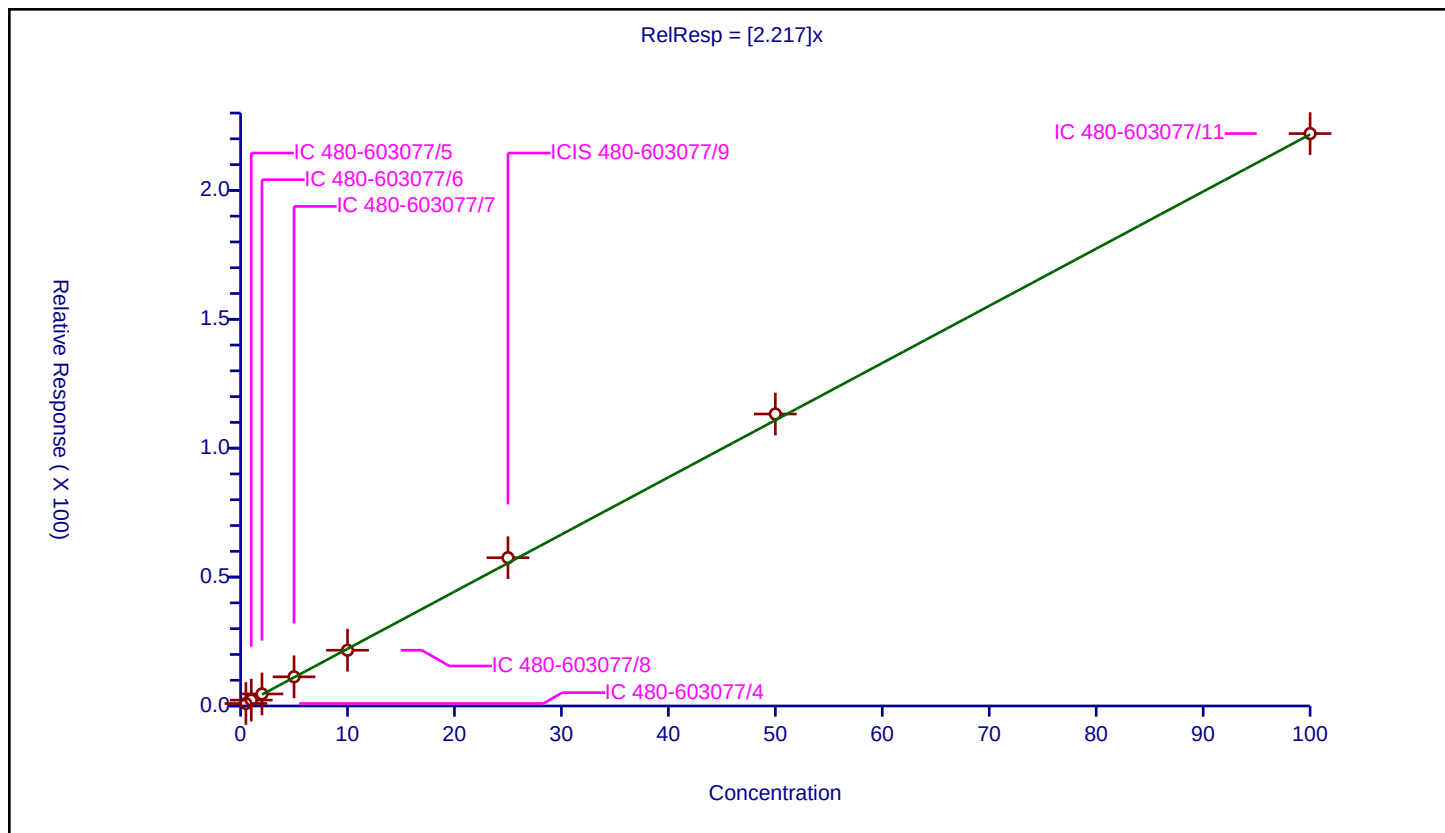
Curve Coefficients

Intercept: 0
Slope: 2.217

Error Coefficients

Standard Error: 699000
Relative Standard Error: 6.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.952256	25.0	171330.0	1.904512	Y
2	IC 480-603077/5	1.0	2.280826	25.0	169215.0	2.280826	Y
3	IC 480-603077/6	2.0	4.679127	25.0	175599.0	2.339563	Y
4	IC 480-603077/7	5.0	11.320498	25.0	163586.0	2.2641	Y
5	IC 480-603077/8	10.0	21.617907	25.0	178085.0	2.161791	Y
6	ICIS 480-603077/9	25.0	57.518582	25.0	179339.0	2.300743	Y
7	IC 480-603077/10	50.0	113.252073	25.0	185454.0	2.265041	Y
8	IC 480-603077/11	100.0	222.020156	25.0	178558.0	2.220202	Y



Calibration

/ Butadiene

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

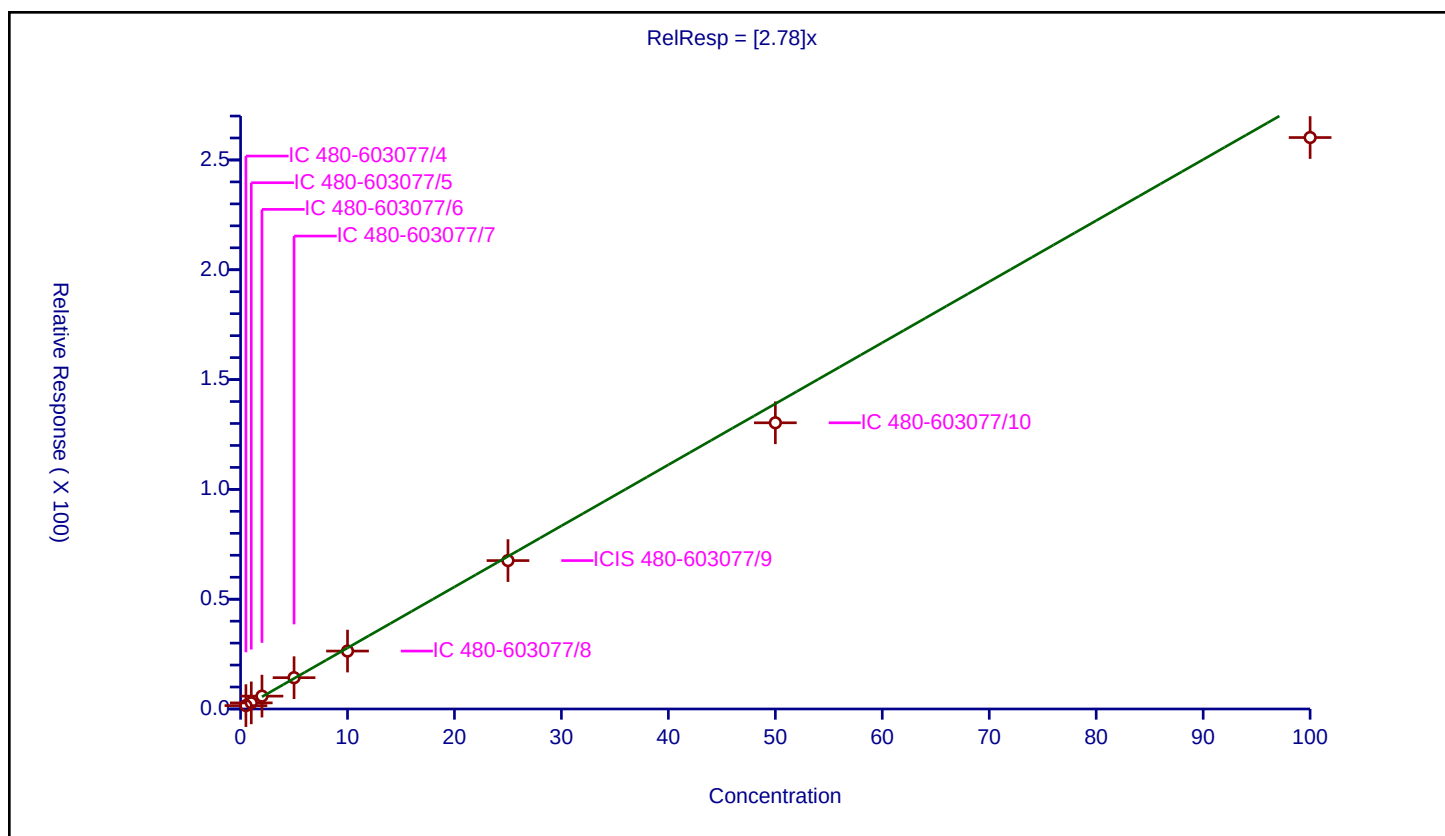
Curve Coefficients

Intercept: 0
 Slope: 2.78

Error Coefficients

Standard Error: 817000
 Relative Standard Error: 6.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.551976	25.0	171330.0	3.103951	Y
2	IC 480-603077/5	1.0	2.80442	25.0	169215.0	2.80442	Y
3	IC 480-603077/6	2.0	5.858519	25.0	175599.0	2.929259	Y
4	IC 480-603077/7	5.0	14.256416	25.0	163586.0	2.851283	Y
5	IC 480-603077/8	10.0	26.379538	25.0	178085.0	2.637954	Y
6	ICIS 480-603077/9	25.0	67.576629	25.0	179339.0	2.703065	Y
7	IC 480-603077/10	50.0	130.312908	25.0	185454.0	2.606258	Y
8	IC 480-603077/11	100.0	260.215028	25.0	178558.0	2.60215	Y



Calibration

/ Bromomethane

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

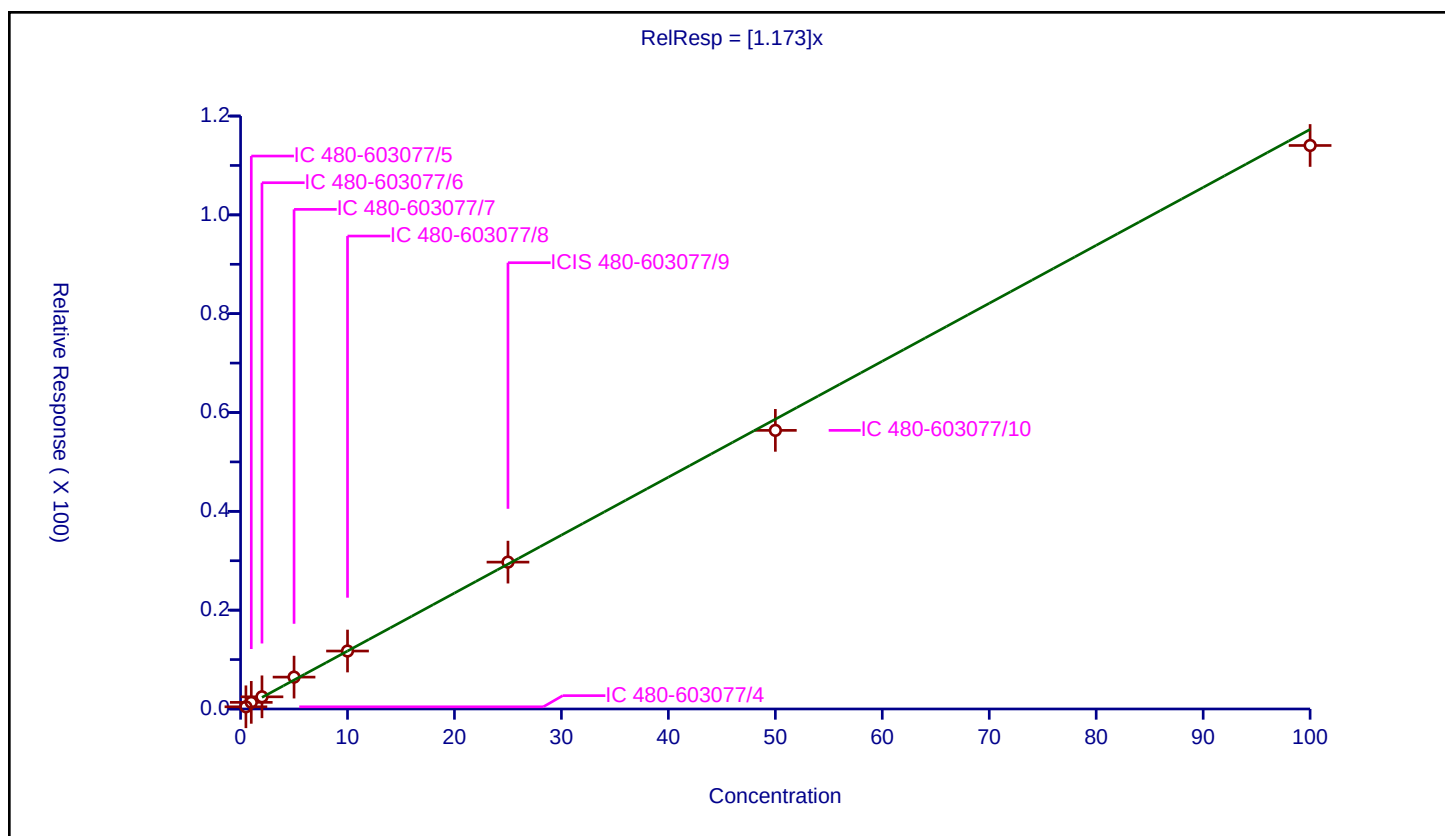
Curve Coefficients

Intercept: 0
Slope: 1.173

Error Coefficients

Standard Error: 357000
Relative Standard Error: 11.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.446069	25.0	171330.0	0.892138	Y
2	IC 480-603077/5	1.0	1.340011	25.0	169215.0	1.340011	Y
3	IC 480-603077/6	2.0	2.462286	25.0	175599.0	1.231143	Y
4	IC 480-603077/7	5.0	6.449666	25.0	163586.0	1.289933	Y
5	IC 480-603077/8	10.0	11.731055	25.0	178085.0	1.173106	Y
6	ICIS 480-603077/9	25.0	29.720111	25.0	179339.0	1.188804	Y
7	IC 480-603077/10	50.0	56.383524	25.0	185454.0	1.12767	Y
8	IC 480-603077/11	100.0	114.042776	25.0	178558.0	1.140428	Y



Calibration

/ Chloroethane

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

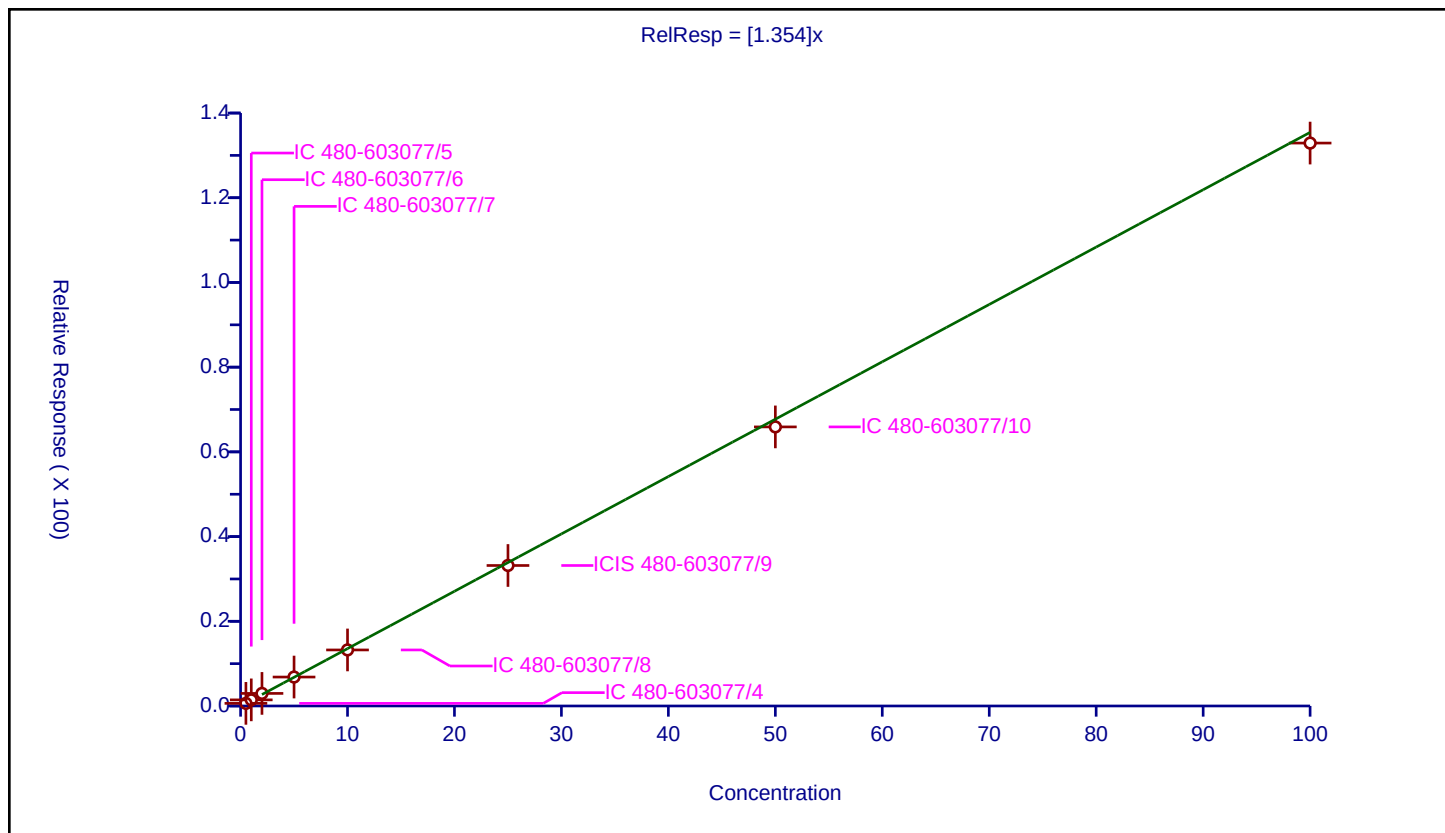
Curve Coefficients

Intercept: 0
 Slope: 1.354

Error Coefficients

Standard Error: 415000
 Relative Standard Error: 5.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.62044	25.0	171330.0	1.24088	Y
2	IC 480-603077/5	1.0	1.445055	25.0	169215.0	1.445055	Y
3	IC 480-603077/6	2.0	2.969265	25.0	175599.0	1.484633	Y
4	IC 480-603077/7	5.0	6.833409	25.0	163586.0	1.366682	Y
5	IC 480-603077/8	10.0	13.23806	25.0	178085.0	1.323806	Y
6	ICIS 480-603077/9	25.0	33.179063	25.0	179339.0	1.327163	Y
7	IC 480-603077/10	50.0	65.888576	25.0	185454.0	1.317772	Y
8	IC 480-603077/11	100.0	132.902194	25.0	178558.0	1.329022	Y



Calibration

/ Trichlorofluoromethane

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

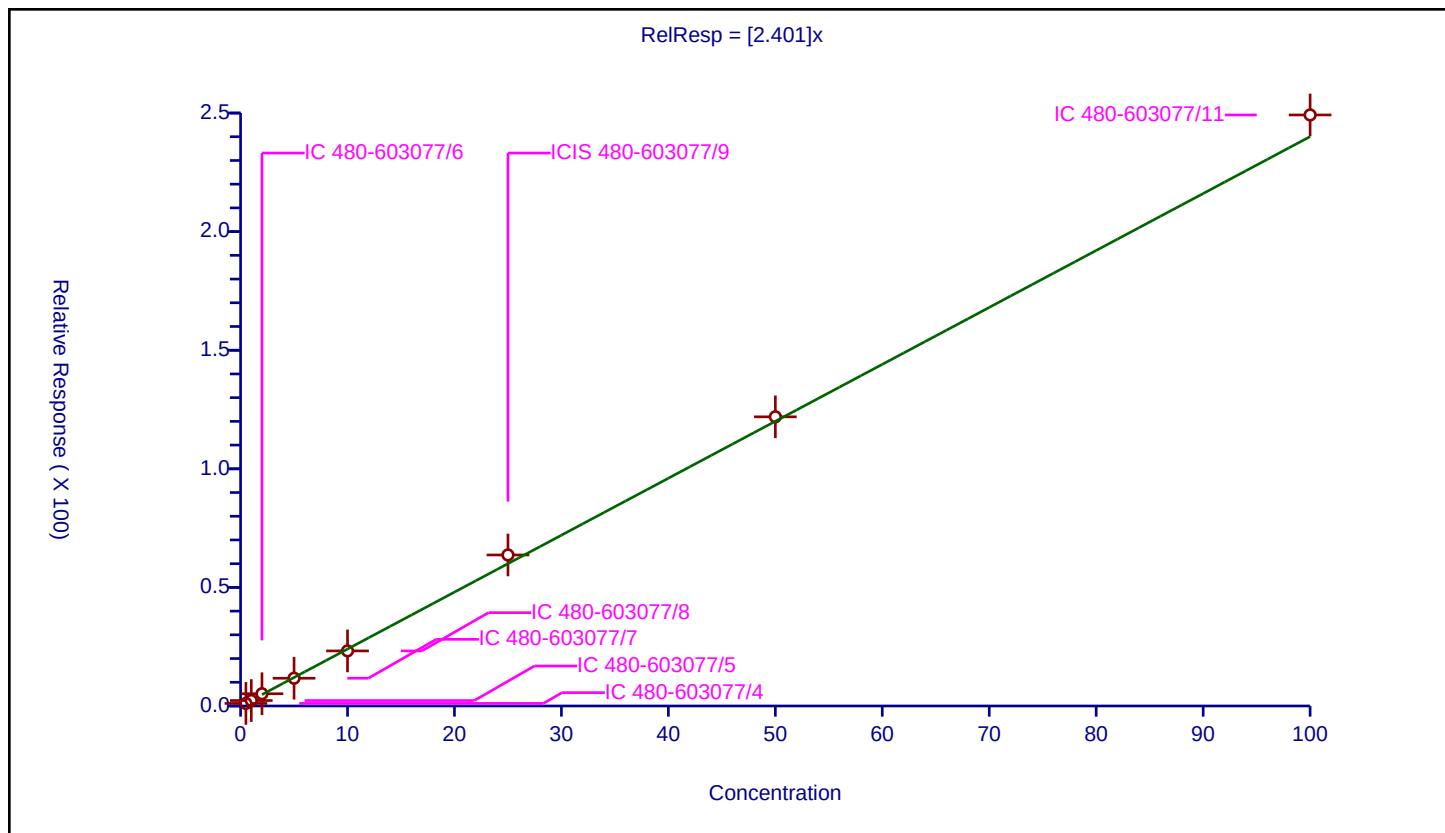
Curve Coefficients

Intercept: 0
Slope: 2.401

Error Coefficients

Standard Error: 777000
Relative Standard Error: 5.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.082122	25.0	171330.0	2.164244	Y
2	IC 480-603077/5	1.0	2.313772	25.0	169215.0	2.313772	Y
3	IC 480-603077/6	2.0	5.169733	25.0	175599.0	2.584867	Y
4	IC 480-603077/7	5.0	11.706075	25.0	163586.0	2.341215	Y
5	IC 480-603077/8	10.0	23.233287	25.0	178085.0	2.323329	Y
6	ICIS 480-603077/9	25.0	63.685674	25.0	179339.0	2.547427	Y
7	IC 480-603077/10	50.0	121.926192	25.0	185454.0	2.438524	Y
8	IC 480-603077/11	100.0	249.185419	25.0	178558.0	2.491854	Y



Calibration

/ Dichlorofluoromethane

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

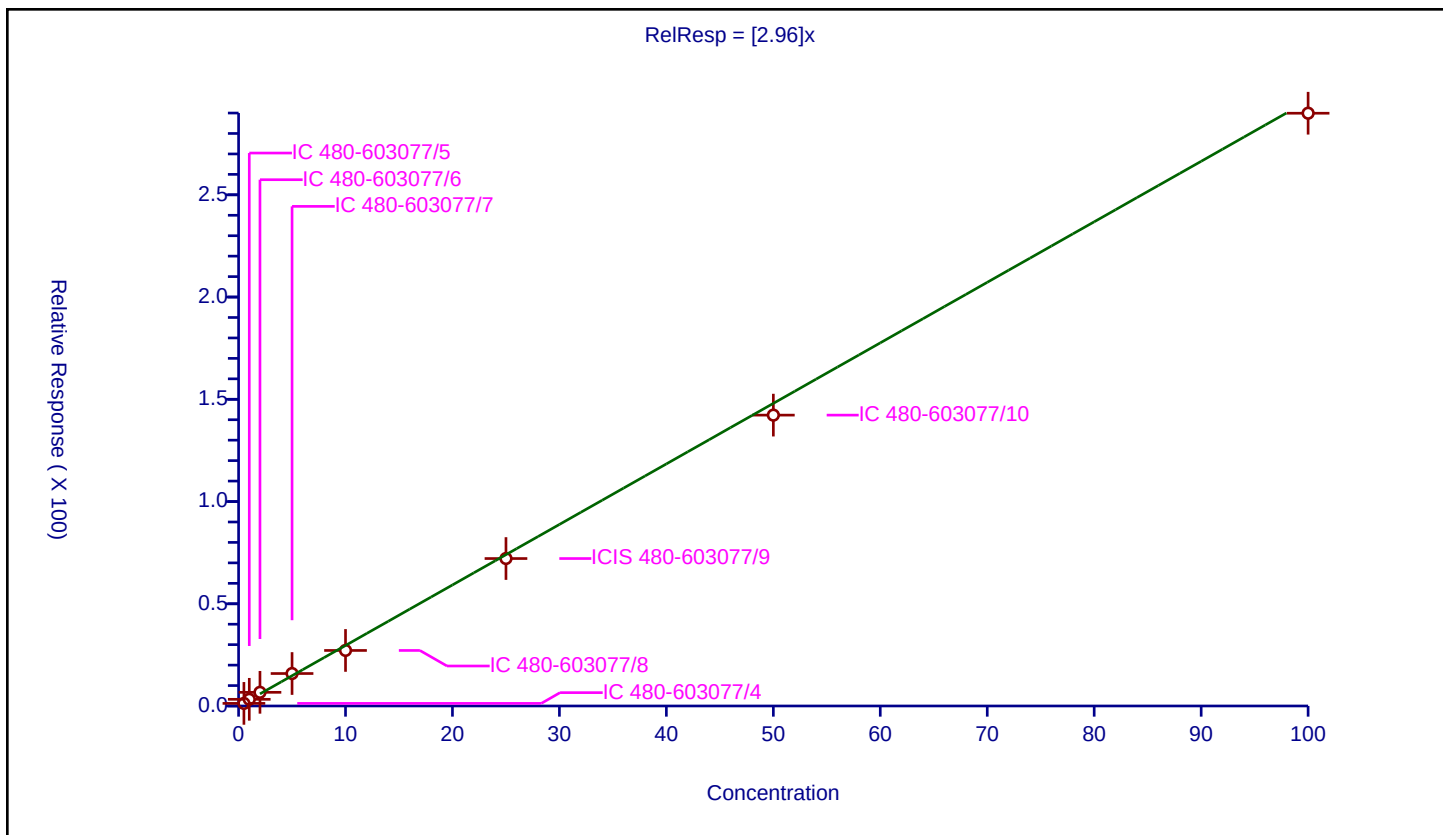
Curve Coefficients

Intercept: 0
 Slope: 2.96

Error Coefficients

Standard Error: 904000
 Relative Standard Error: 9.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.274733	25.0	171330.0	2.549466	Y
2	IC 480-603077/5	1.0	3.268327	25.0	169215.0	3.268327	Y
3	IC 480-603077/6	2.0	6.678142	25.0	175599.0	3.339071	Y
4	IC 480-603077/7	5.0	15.882624	25.0	163586.0	3.176525	Y
5	IC 480-603077/8	10.0	27.171856	25.0	178085.0	2.717186	Y
6	ICIS 480-603077/9	25.0	72.126113	25.0	179339.0	2.885045	Y
7	IC 480-603077/10	50.0	142.257918	25.0	185454.0	2.845158	Y
8	IC 480-603077/11	100.0	289.913221	25.0	178558.0	2.899132	Y



Calibration

/ Ethyl ether

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

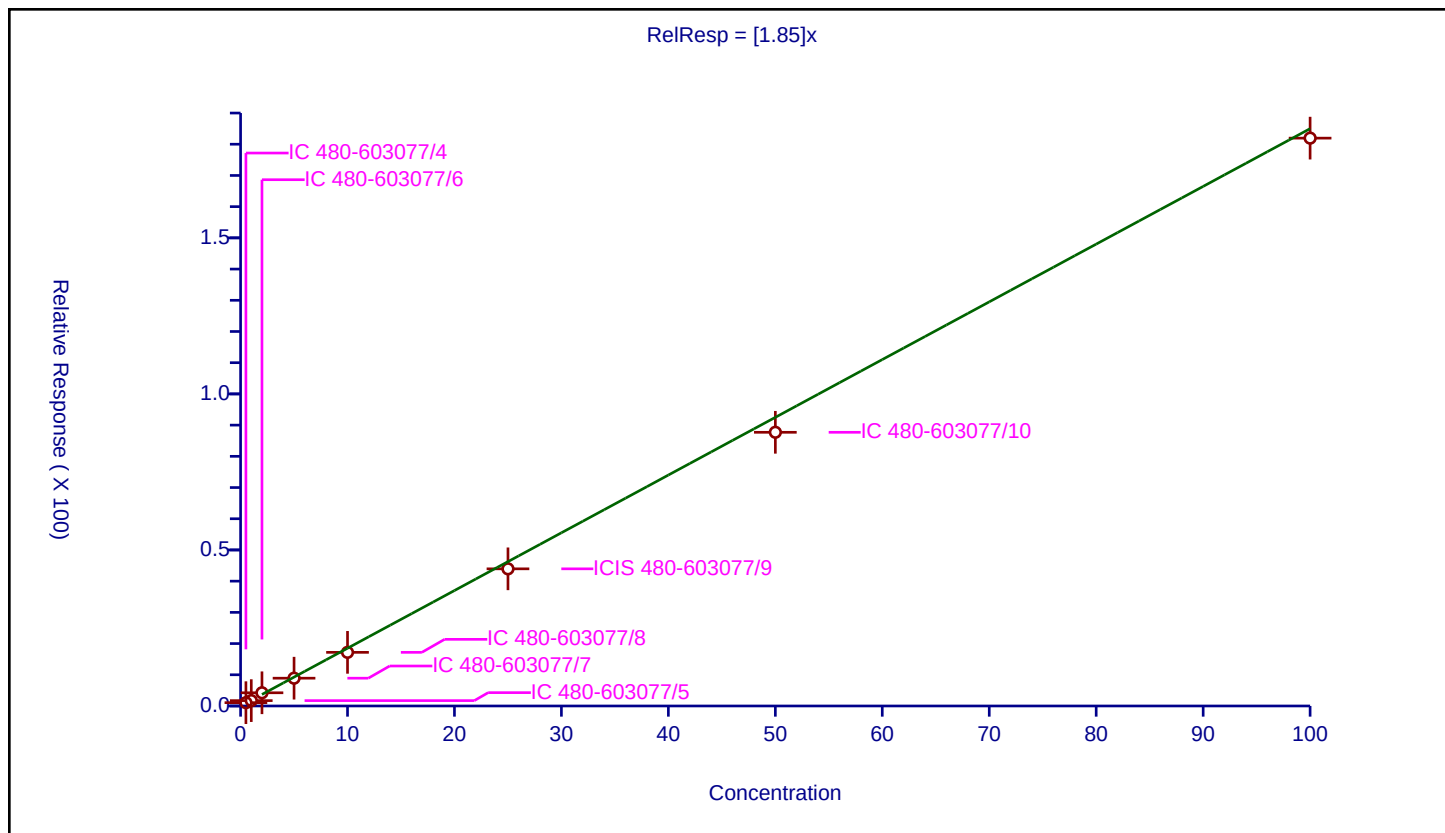
Curve Coefficients

Intercept: 0
Slope: 1.85

Error Coefficients

Standard Error: 564000
Relative Standard Error: 9.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.06184	25.0	171330.0	2.123679	Y
2	IC 480-603077/5	1.0	1.727536	25.0	169215.0	1.727536	Y
3	IC 480-603077/6	2.0	4.233367	25.0	175599.0	2.116683	Y
4	IC 480-603077/7	5.0	8.908006	25.0	163586.0	1.781601	Y
5	IC 480-603077/8	10.0	17.184069	25.0	178085.0	1.718407	Y
6	ICIS 480-603077/9	25.0	43.947775	25.0	179339.0	1.757911	Y
7	IC 480-603077/10	50.0	87.708138	25.0	185454.0	1.754163	Y
8	IC 480-603077/11	100.0	181.956143	25.0	178558.0	1.819561	Y



Calibration

/ Acrolein

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

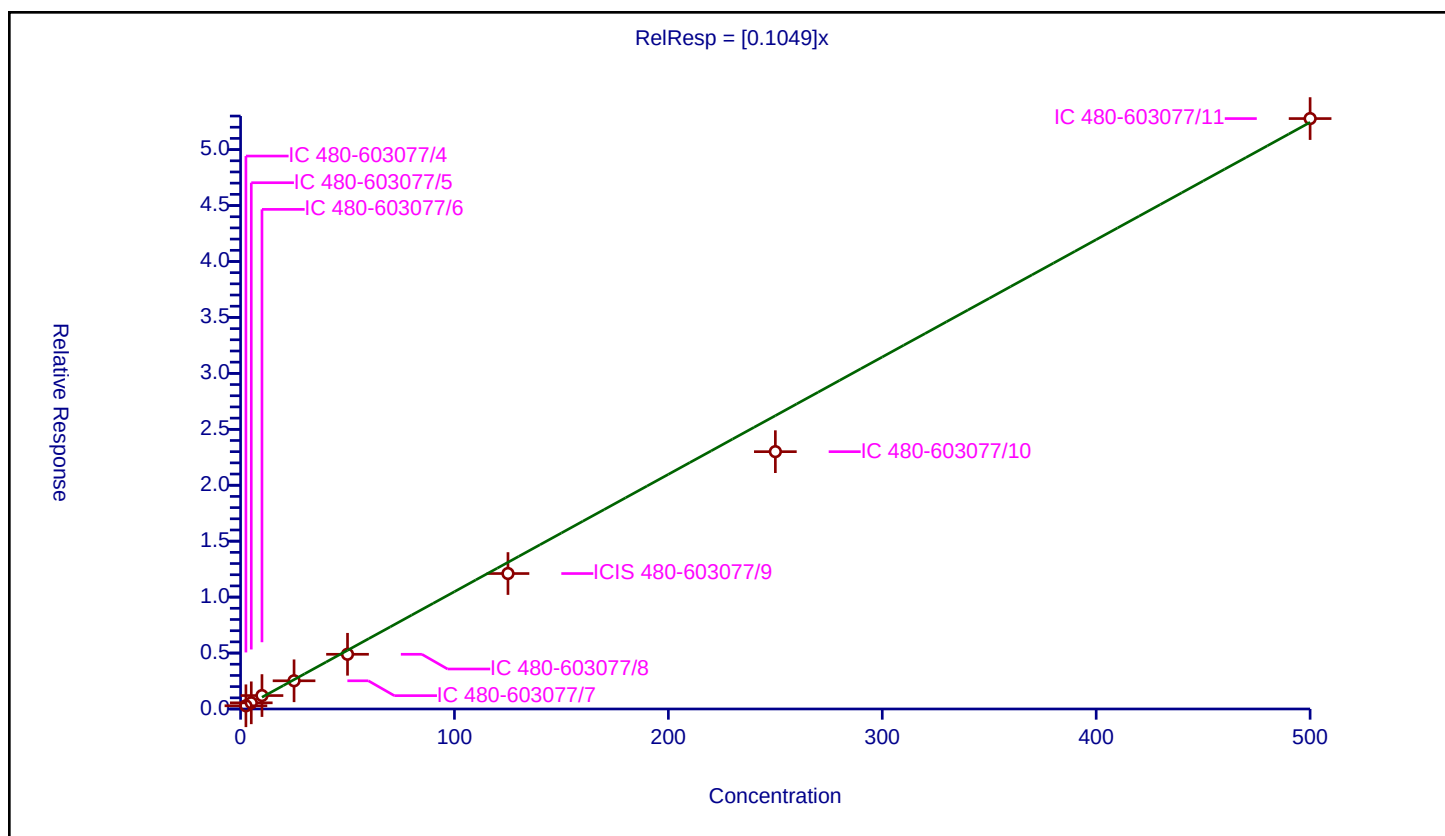
Curve Coefficients

Intercept: 0
 Slope: 0.1049

Error Coefficients

Standard Error: 160000
 Relative Standard Error: 9.3
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	2.5	0.288332	25.0	171330.0	0.115333	Y
2	IC 480-603077/5	5.0	0.552551	25.0	169215.0	0.11051	Y
3	IC 480-603077/6	10.0	1.20089	25.0	175599.0	0.120089	Y
4	IC 480-603077/7	25.0	2.520998	25.0	163586.0	0.10084	Y
5	IC 480-603077/8	50.0	4.891204	25.0	178085.0	0.097824	Y
6	ICIS 480-603077/9	125.0	12.108772	25.0	179339.0	0.09687	Y
7	IC 480-603077/10	250.0	23.00193	25.0	185454.0	0.092008	Y
8	IC 480-603077/11	500.0	52.771928	25.0	178558.0	0.105544	Y



Calibration

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

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

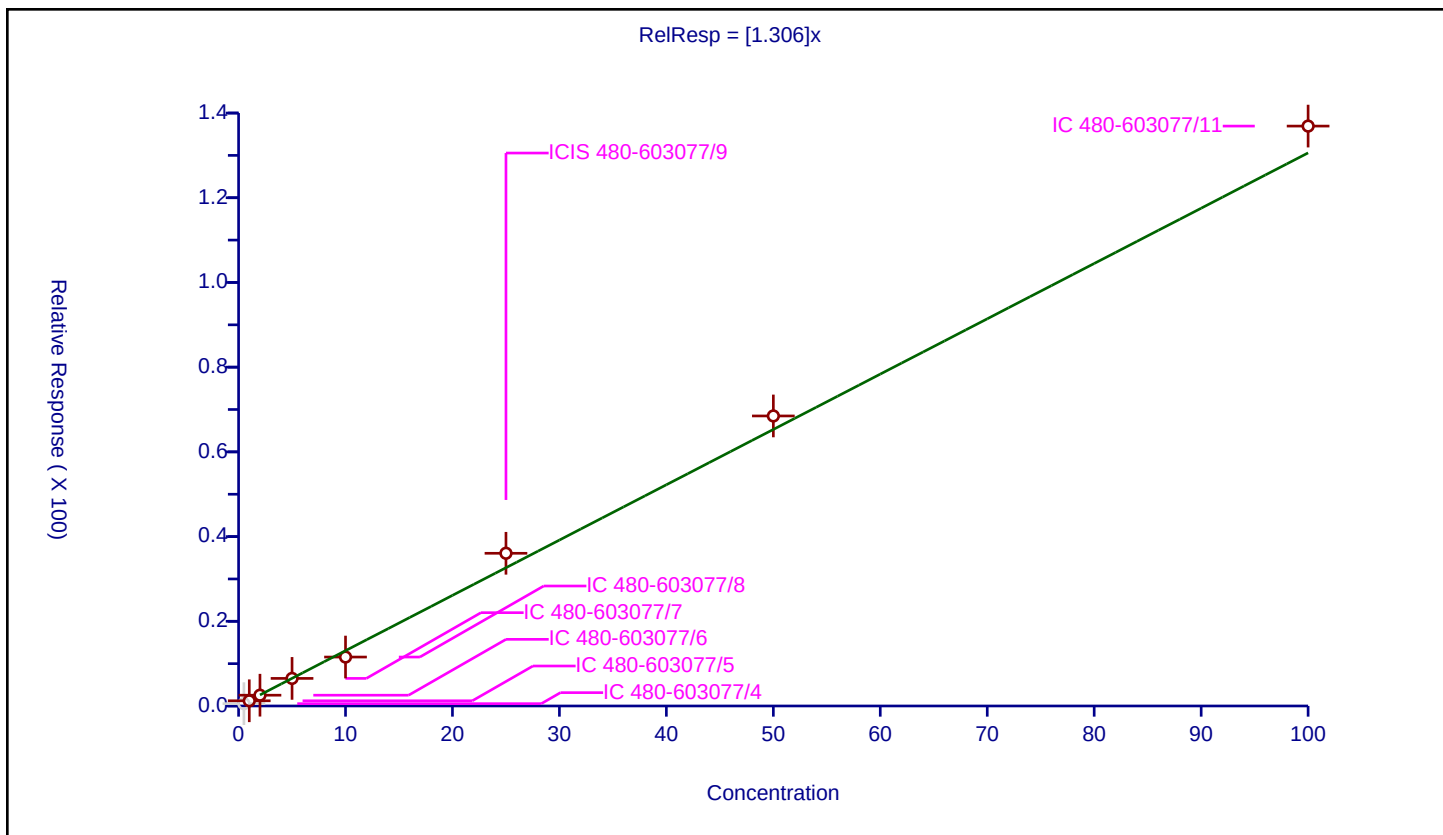
Curve Coefficients

Intercept: 0
 Slope: 1.306

Error Coefficients

Standard Error: 464000
 Relative Standard Error: 7.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.555215	25.0	171330.0	1.11043	N
2	IC 480-603077/5	1.0	1.230092	25.0	169215.0	1.230092	Y
3	IC 480-603077/6	2.0	2.544149	25.0	175599.0	1.272074	Y
4	IC 480-603077/7	5.0	6.513088	25.0	163586.0	1.302618	Y
5	IC 480-603077/8	10.0	11.554033	25.0	178085.0	1.155403	Y
6	ICIS 480-603077/9	25.0	36.062429	25.0	179339.0	1.442497	Y
7	IC 480-603077/10	50.0	68.476819	25.0	185454.0	1.369536	Y
8	IC 480-603077/11	100.0	136.911956	25.0	178558.0	1.36912	Y



Calibration

/ 1,1-Dichloroethene

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

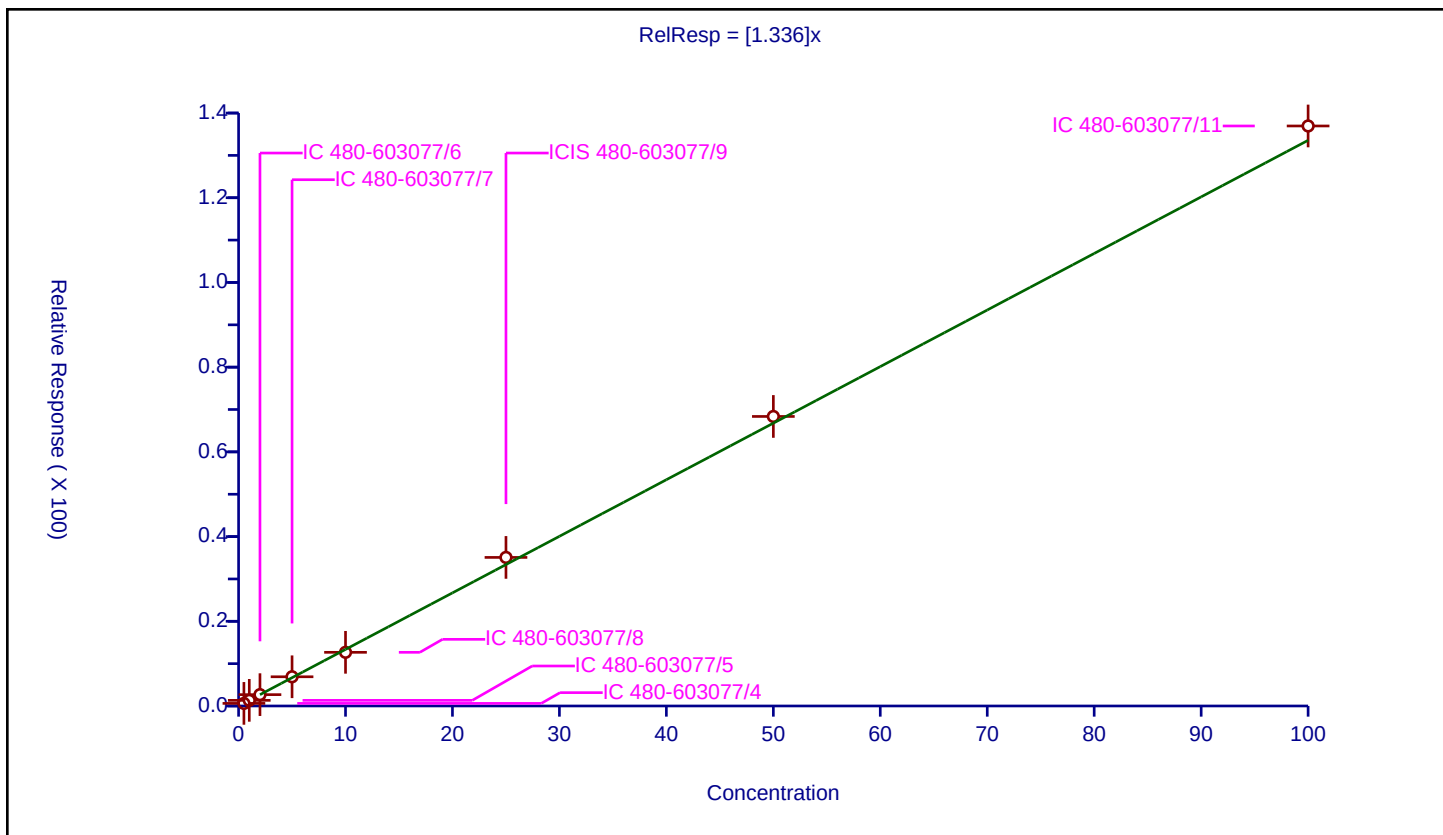
Curve Coefficients

Intercept: 0
 Slope: 1.336

Error Coefficients

Standard Error: 429000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.612852	25.0	171330.0	1.225705	Y
2	IC 480-603077/5	1.0	1.332772	25.0	169215.0	1.332772	Y
3	IC 480-603077/6	2.0	2.678261	25.0	175599.0	1.339131	Y
4	IC 480-603077/7	5.0	6.900193	25.0	163586.0	1.380039	Y
5	IC 480-603077/8	10.0	12.672039	25.0	178085.0	1.267204	Y
6	ICIS 480-603077/9	25.0	35.07589	25.0	179339.0	1.403036	Y
7	IC 480-603077/10	50.0	68.355226	25.0	185454.0	1.367105	Y
8	IC 480-603077/11	100.0	136.939958	25.0	178558.0	1.3694	Y



Calibration

/ Acetone

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

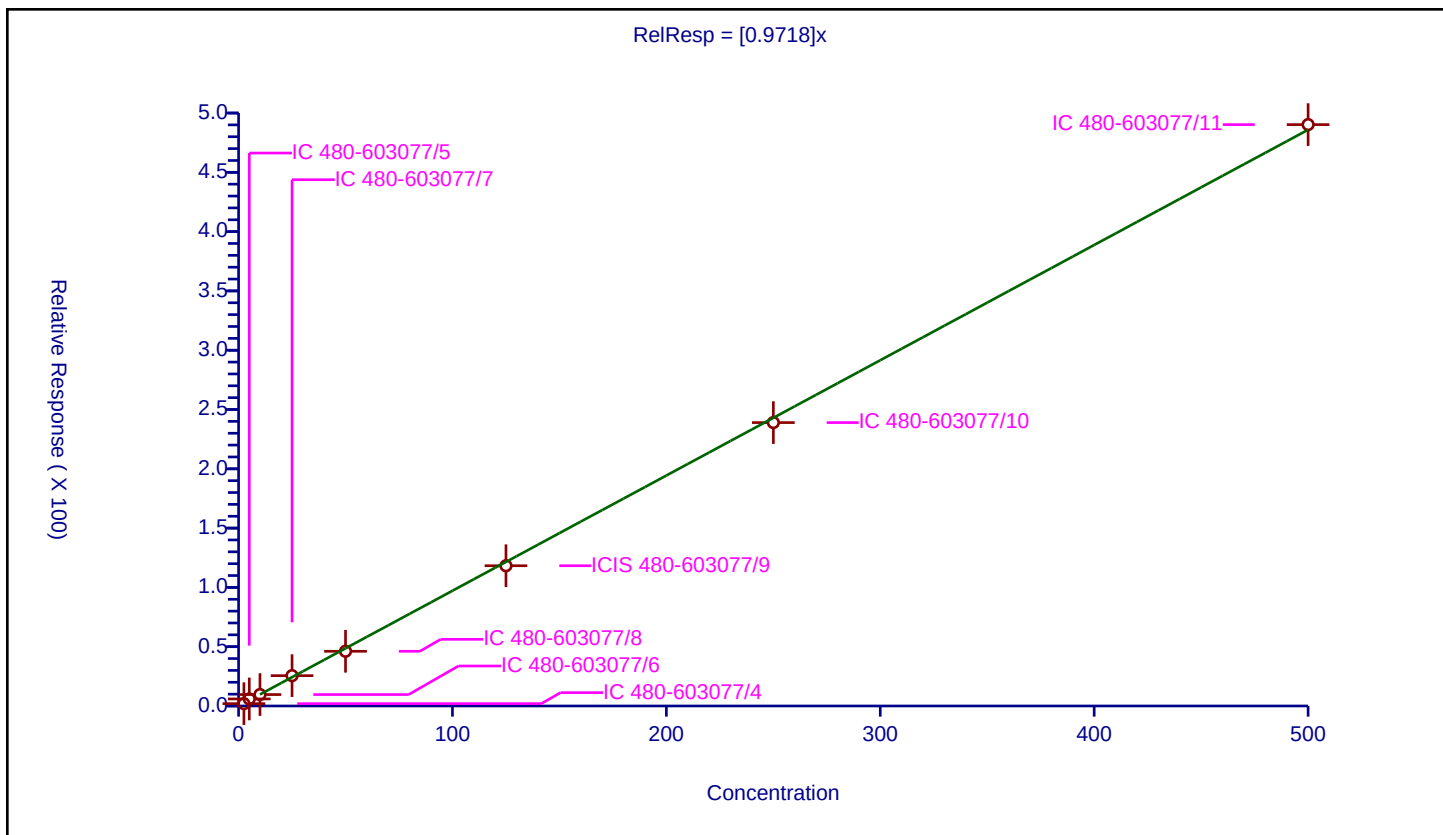
Curve Coefficients

Intercept: 0
 Slope: 0.9718

Error Coefficients

Standard Error: 1520000
 Relative Standard Error: 11.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	2.5	1.979951	25.0	171330.0	0.79198	Y
2	IC 480-603077/5	5.0	5.95027	25.0	169215.0	1.190054	Y
3	IC 480-603077/6	10.0	9.630892	25.0	175599.0	0.963089	Y
4	IC 480-603077/7	25.0	25.595558	25.0	163586.0	1.023822	Y
5	IC 480-603077/8	50.0	46.156611	25.0	178085.0	0.923132	Y
6	ICIS 480-603077/9	125.0	118.263178	25.0	179339.0	0.946105	Y
7	IC 480-603077/10	250.0	238.988779	25.0	185454.0	0.955955	Y
8	IC 480-603077/11	500.0	490.237766	25.0	178558.0	0.980476	Y



Calibration

/ Iodomethane

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

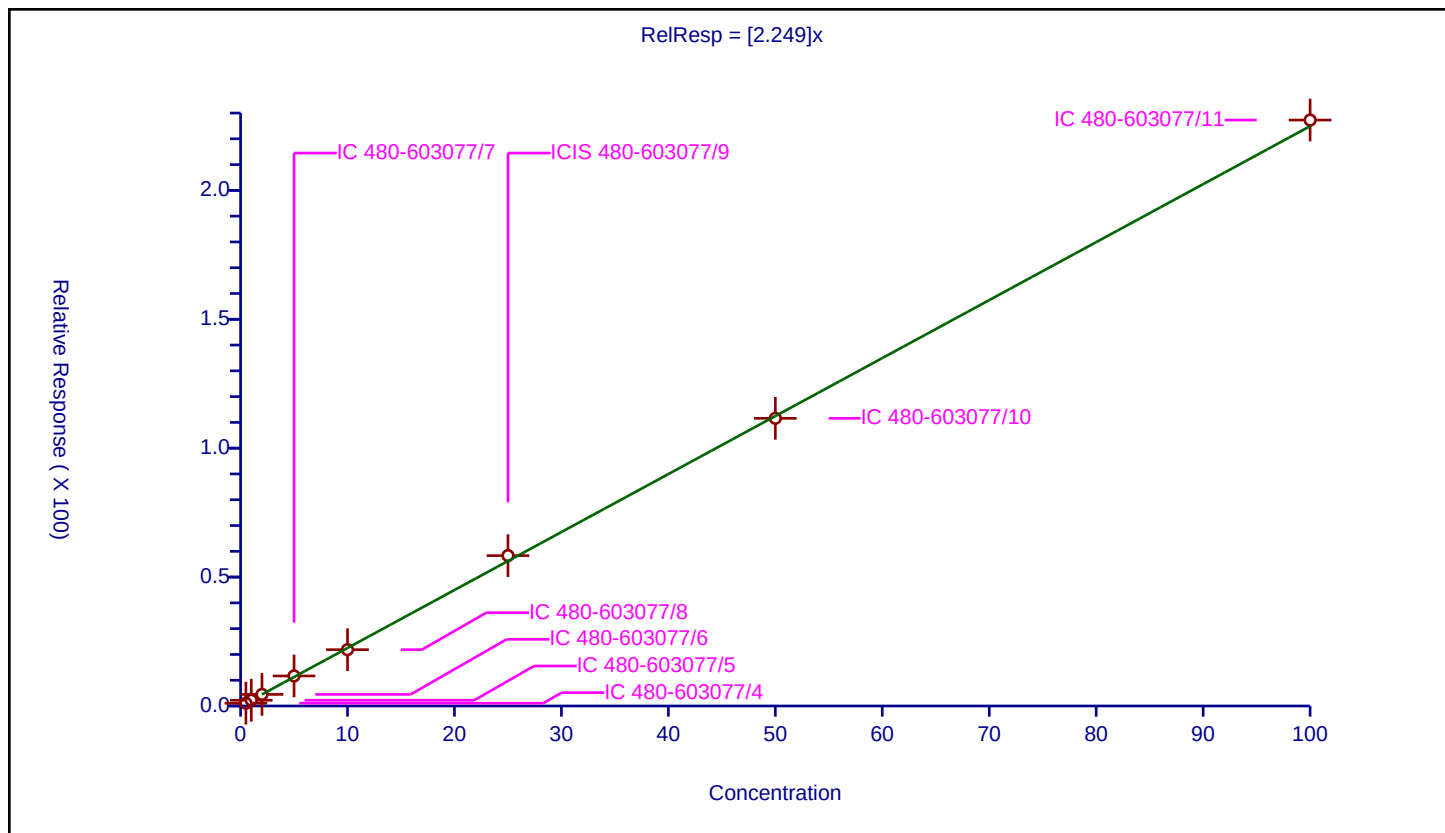
Curve Coefficients

Intercept: 0
 Slope: 2.249

Error Coefficients

Standard Error: 710000
 Relative Standard Error: 2.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.078766	25.0	171330.0	2.157532	Y
2	IC 480-603077/5	1.0	2.234731	25.0	169215.0	2.234731	Y
3	IC 480-603077/6	2.0	4.490202	25.0	175599.0	2.245101	Y
4	IC 480-603077/7	5.0	11.664812	25.0	163586.0	2.332962	Y
5	IC 480-603077/8	10.0	21.844204	25.0	178085.0	2.18442	Y
6	ICIS 480-603077/9	25.0	58.33575	25.0	179339.0	2.33343	Y
7	IC 480-603077/10	50.0	111.580635	25.0	185454.0	2.231613	Y
8	IC 480-603077/11	100.0	227.26691	25.0	178558.0	2.272669	Y



Calibration

/ Carbon disulfide

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

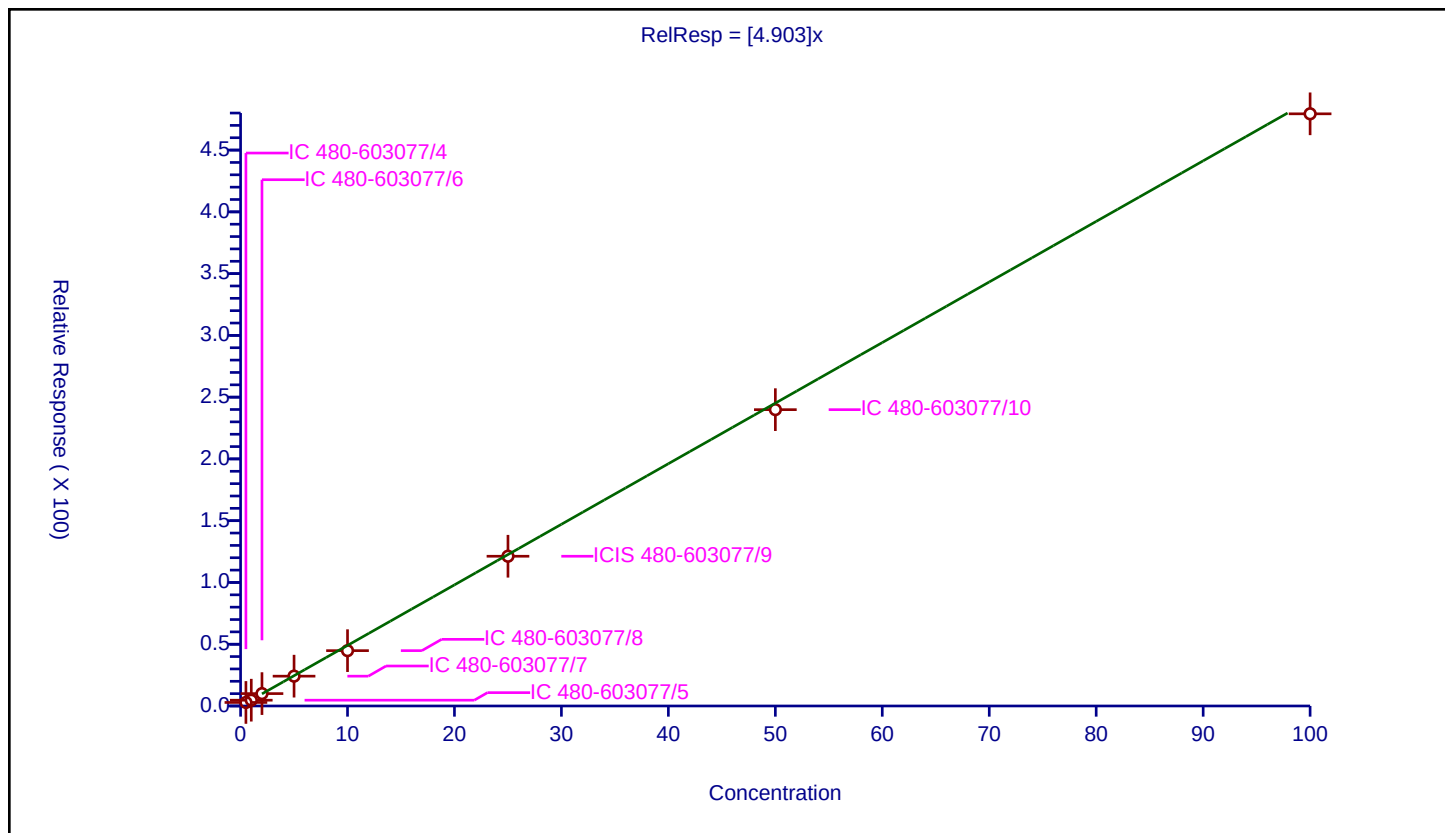
Curve Coefficients

Intercept: 0
 Slope: 4.903

Error Coefficients

Standard Error: 1500000
 Relative Standard Error: 7.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	2.880552	25.0	171330.0	5.761104	Y
2	IC 480-603077/5	1.0	4.698608	25.0	169215.0	4.698608	Y
3	IC 480-603077/6	2.0	10.024402	25.0	175599.0	5.012201	Y
4	IC 480-603077/7	5.0	24.165577	25.0	163586.0	4.833115	Y
5	IC 480-603077/8	10.0	44.800095	25.0	178085.0	4.48001	Y
6	ICIS 480-603077/9	25.0	121.22893	25.0	179339.0	4.849157	Y
7	IC 480-603077/10	50.0	239.898708	25.0	185454.0	4.797974	Y
8	IC 480-603077/11	100.0	479.374629	25.0	178558.0	4.793746	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

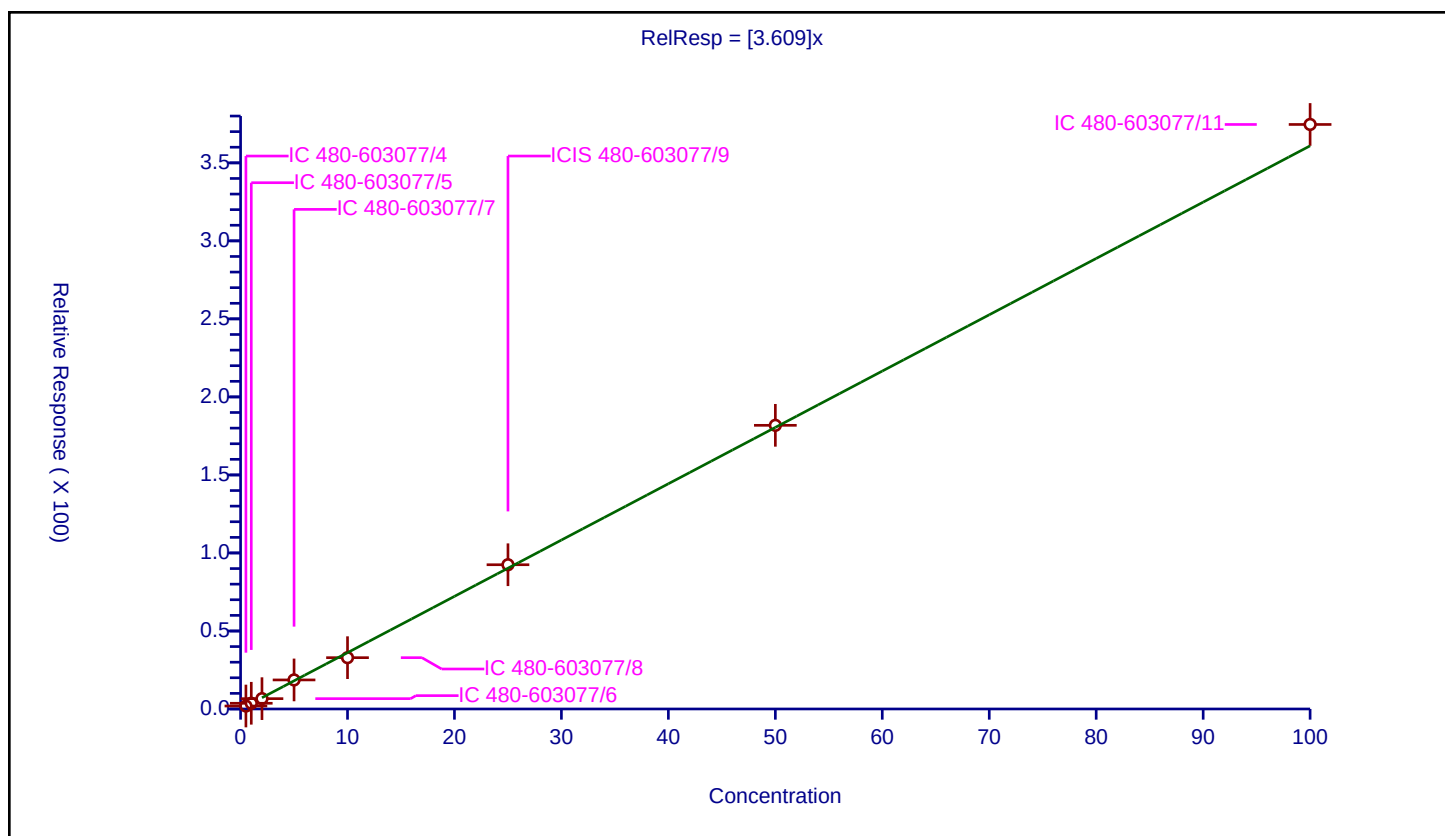
Curve Coefficients

Intercept: 0
 Slope: 3.609

Error Coefficients

Standard Error: 1160000
 Relative Standard Error: 5.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.89707	25.0	171330.0	3.79414	Y
2	IC 480-603077/5	1.0	3.669149	25.0	169215.0	3.669149	Y
3	IC 480-603077/6	2.0	6.630163	25.0	175599.0	3.315082	Y
4	IC 480-603077/7	5.0	18.621551	25.0	163586.0	3.72431	Y
5	IC 480-603077/8	10.0	32.894826	25.0	178085.0	3.289483	Y
6	ICIS 480-603077/9	25.0	92.446707	25.0	179339.0	3.697868	Y
7	IC 480-603077/10	50.0	181.780118	25.0	185454.0	3.635602	Y
8	IC 480-603077/11	100.0	374.60013	25.0	178558.0	3.746001	Y



Calibration

/ Methyl acetate

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

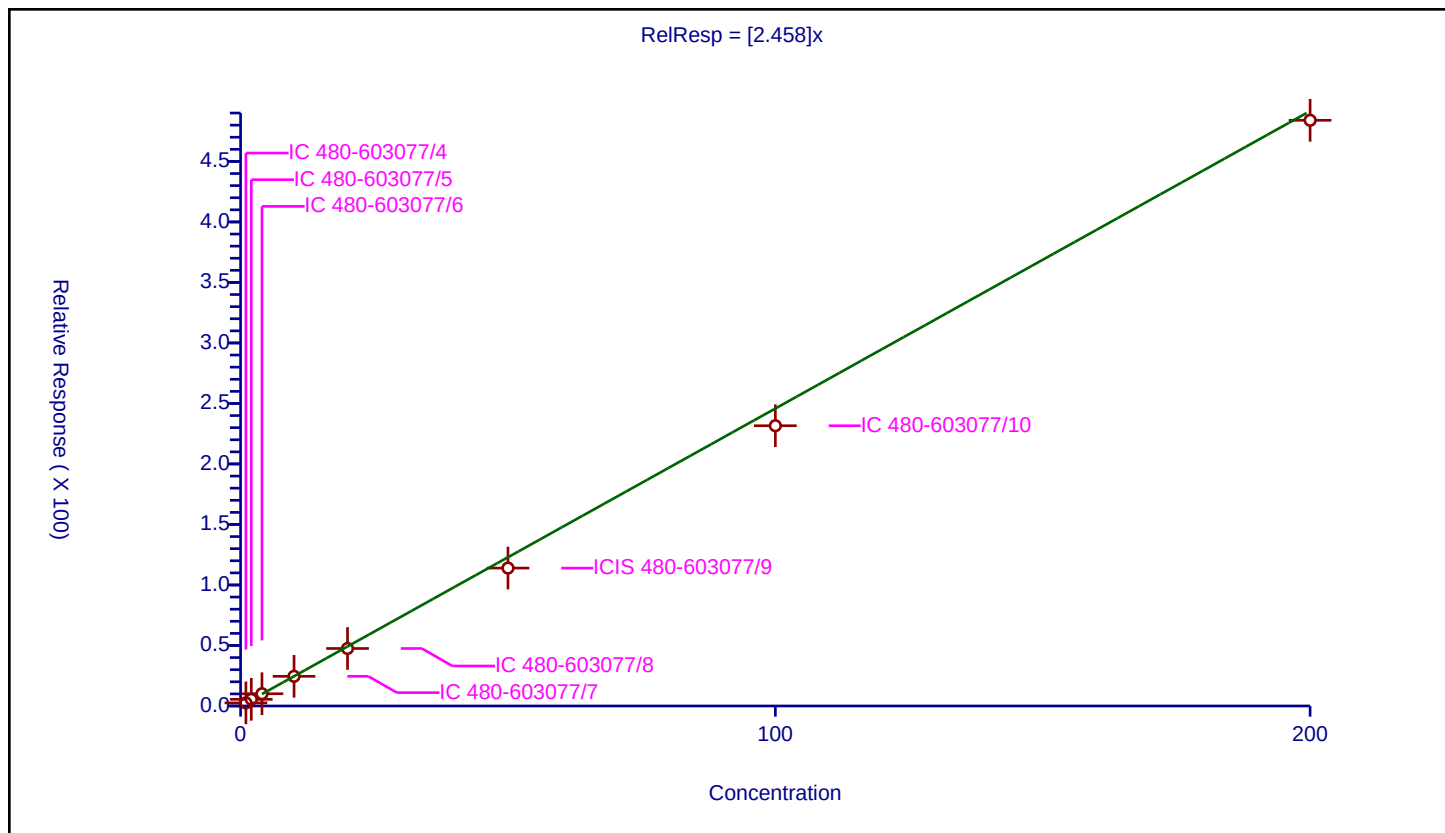
Curve Coefficients

Intercept: 0
 Slope: 2.458

Error Coefficients

Standard Error: 1500000
 Relative Standard Error: 6.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	1.0	2.539981	25.0	171330.0	2.539981	Y
2	IC 480-603077/5	2.0	5.503945	25.0	169215.0	2.751972	Y
3	IC 480-603077/6	4.0	10.118651	25.0	175599.0	2.529663	Y
4	IC 480-603077/7	10.0	24.527007	25.0	163586.0	2.452701	Y
5	IC 480-603077/8	20.0	47.510318	25.0	178085.0	2.375516	Y
6	ICIS 480-603077/9	50.0	113.98901	25.0	179339.0	2.27978	Y
7	IC 480-603077/10	100.0	231.594492	25.0	185454.0	2.315945	Y
8	IC 480-603077/11	200.0	483.999037	25.0	178558.0	2.419995	Y



Calibration

/ Methylene Chloride

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

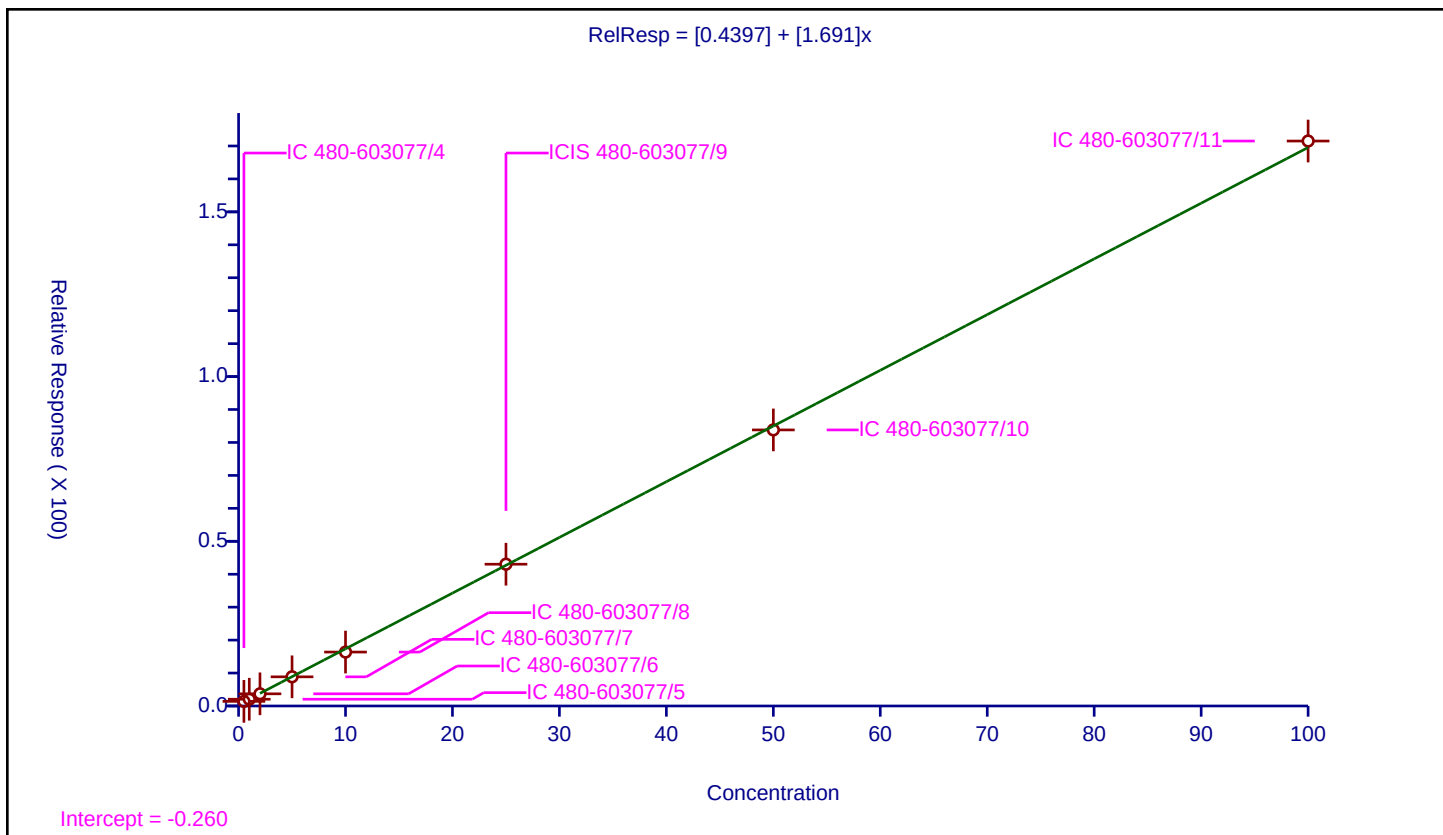
Curve Coefficients

Intercept: 0.4397
 Slope: 1.691

Error Coefficients

Standard Error: 577000
 Relative Standard Error: 6.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.406204	25.0	171330.0	2.812409	Y
2	IC 480-603077/5	1.0	2.049168	25.0	169215.0	2.049168	Y
3	IC 480-603077/6	2.0	3.692646	25.0	175599.0	1.846323	Y
4	IC 480-603077/7	5.0	8.860477	25.0	163586.0	1.772095	Y
5	IC 480-603077/8	10.0	16.36915	25.0	178085.0	1.636915	Y
6	ICIS 480-603077/9	25.0	43.045015	25.0	179339.0	1.721801	Y
7	IC 480-603077/10	50.0	83.80771	25.0	185454.0	1.676154	Y
8	IC 480-603077/11	100.0	171.498197	25.0	178558.0	1.714982	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

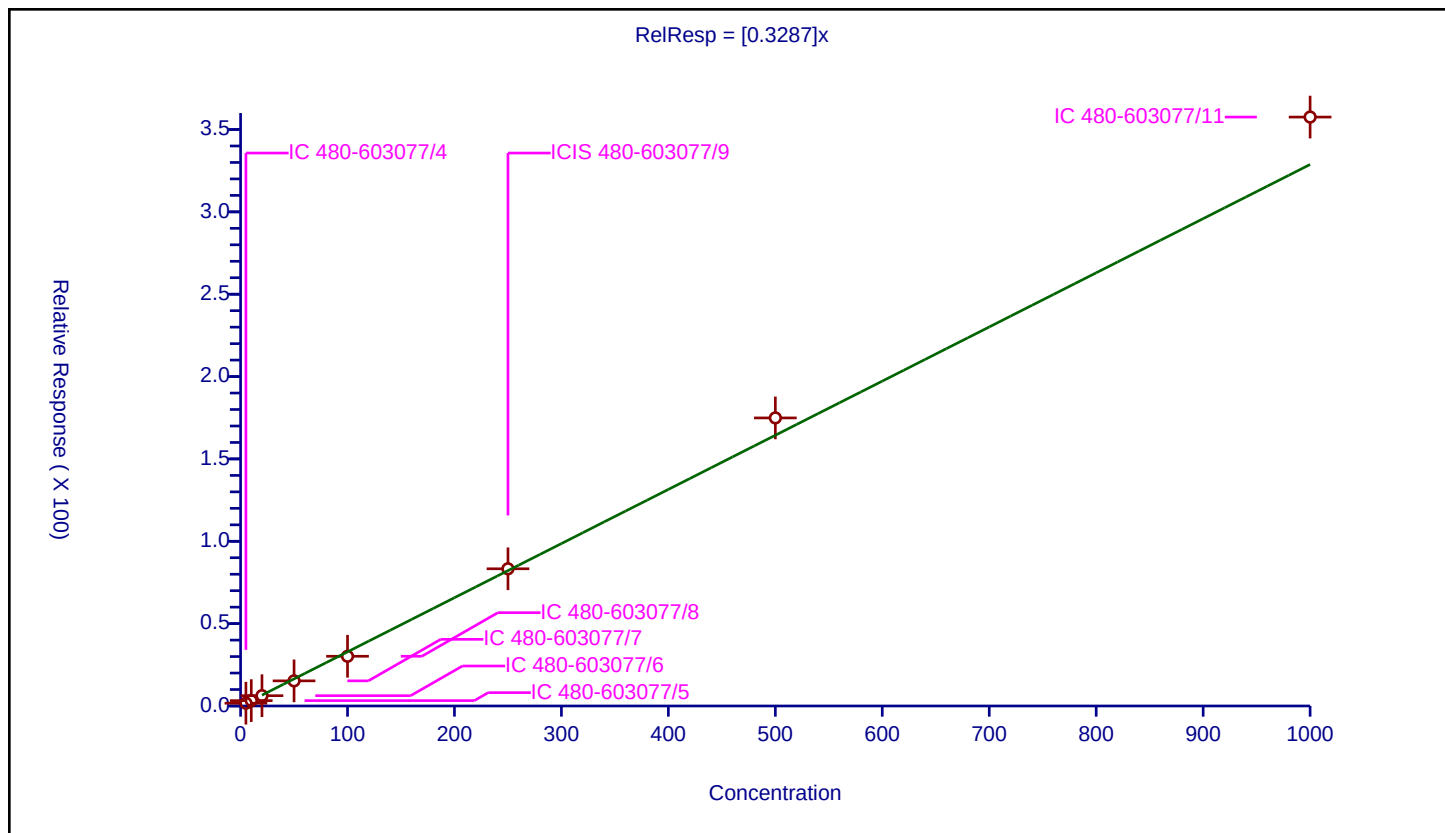
Curve Coefficients

Intercept: 0
Slope: 0.3287

Error Coefficients

Standard Error: 1110000
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 480-603077/4	5.0	1.710588	25.0	171330.0	0.342118	Y
2	IC 480-603077/5	10.0	3.271873	25.0	169215.0	0.327187	Y
3	IC 480-603077/6	20.0	6.259717	25.0	175599.0	0.312986	Y
4	IC 480-603077/7	50.0	15.264295	25.0	163586.0	0.305286	Y
5	IC 480-603077/8	100.0	30.184462	25.0	178085.0	0.301845	Y
6	ICIS 480-603077/9	250.0	83.295742	25.0	179339.0	0.333183	Y
7	IC 480-603077/10	500.0	174.911164	25.0	185454.0	0.349822	Y
8	IC 480-603077/11	1000.0	357.554968	25.0	178558.0	0.357555	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

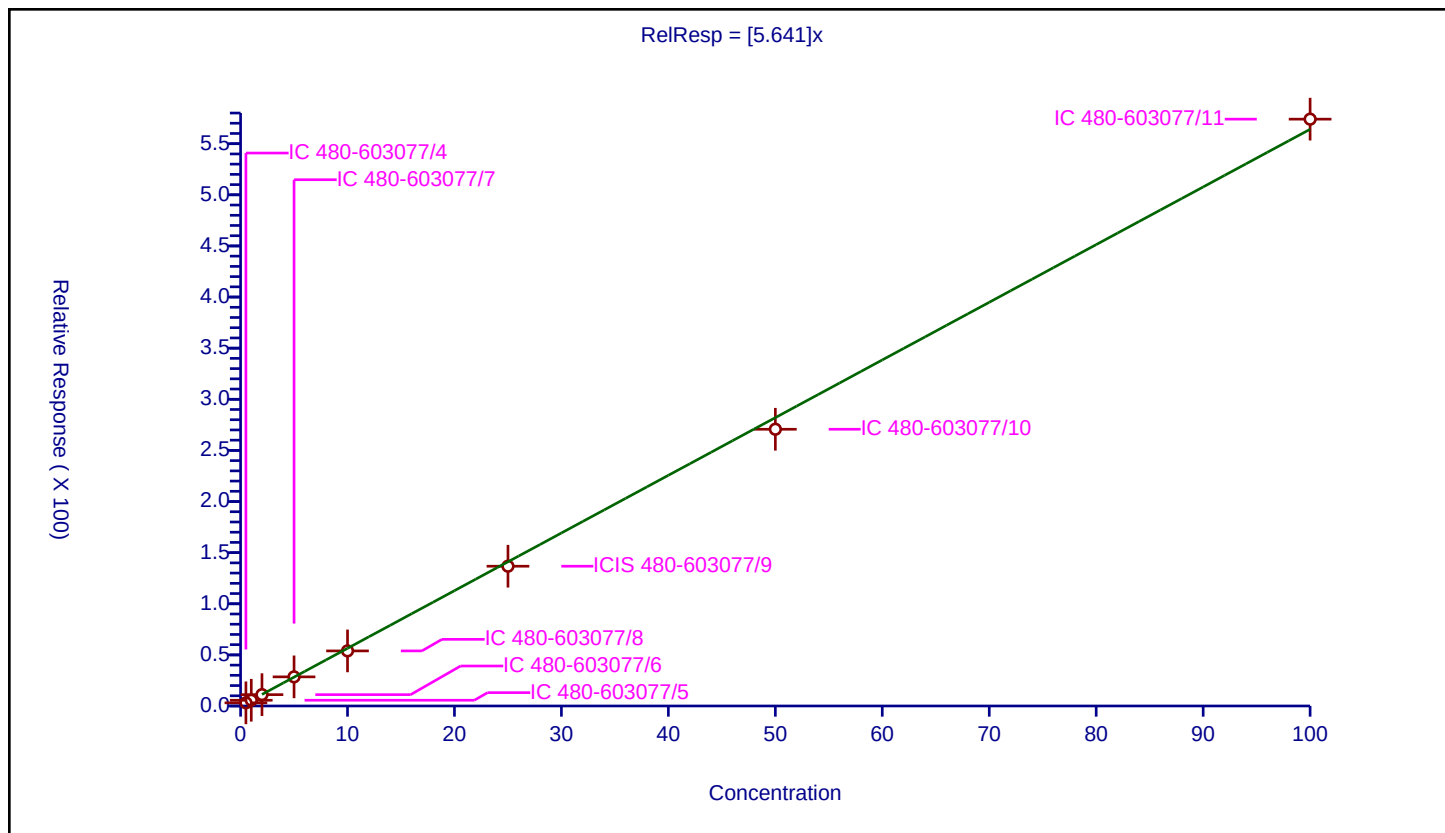
Curve Coefficients

Intercept: 0
 Slope: 5.641

Error Coefficients

Standard Error: 1770000
 Relative Standard Error: 4.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	3.115917	25.0	171330.0	6.231833	Y
2	IC 480-603077/5	1.0	5.634696	25.0	169215.0	5.634696	Y
3	IC 480-603077/6	2.0	11.100433	25.0	175599.0	5.550217	Y
4	IC 480-603077/7	5.0	28.492658	25.0	163586.0	5.698532	Y
5	IC 480-603077/8	10.0	53.906561	25.0	178085.0	5.390656	Y
6	ICIS 480-603077/9	25.0	136.740057	25.0	179339.0	5.469602	Y
7	IC 480-603077/10	50.0	270.703112	25.0	185454.0	5.414062	Y
8	IC 480-603077/11	100.0	574.000185	25.0	178558.0	5.740002	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

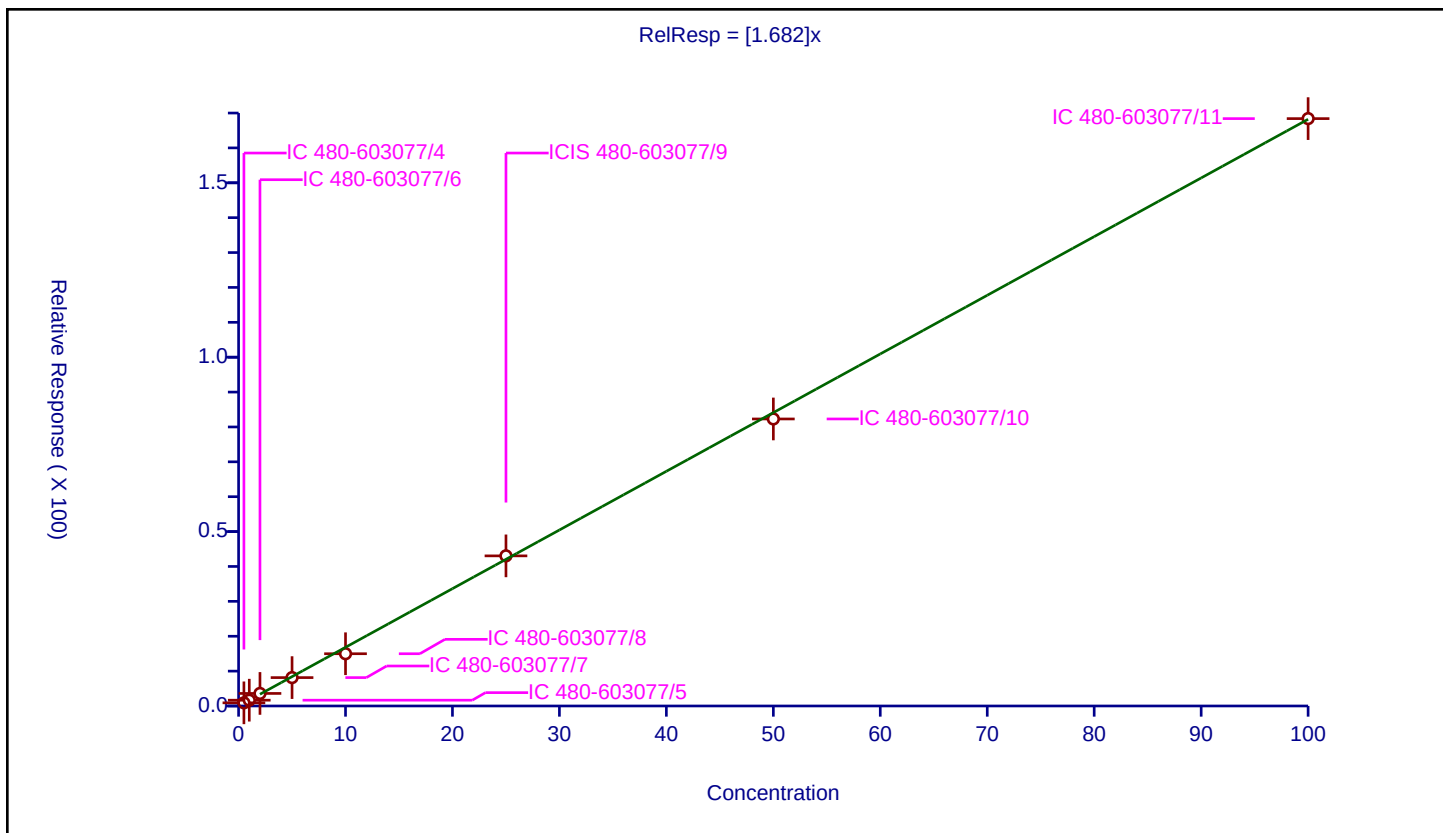
Curve Coefficients

Intercept: 0
 Slope: 1.682

Error Coefficients

Standard Error: 525000
 Relative Standard Error: 6.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.908335	25.0	171330.0	1.81667	Y
2	IC 480-603077/5	1.0	1.662973	25.0	169215.0	1.662973	Y
3	IC 480-603077/6	2.0	3.598682	25.0	175599.0	1.799341	Y
4	IC 480-603077/7	5.0	8.139297	25.0	163586.0	1.627859	Y
5	IC 480-603077/8	10.0	14.983575	25.0	178085.0	1.498358	Y
6	ICIS 480-603077/9	25.0	43.046828	25.0	179339.0	1.721873	Y
7	IC 480-603077/10	50.0	82.292105	25.0	185454.0	1.645842	Y
8	IC 480-603077/11	100.0	168.405224	25.0	178558.0	1.684052	Y



Calibration

/ Acrylonitrile

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

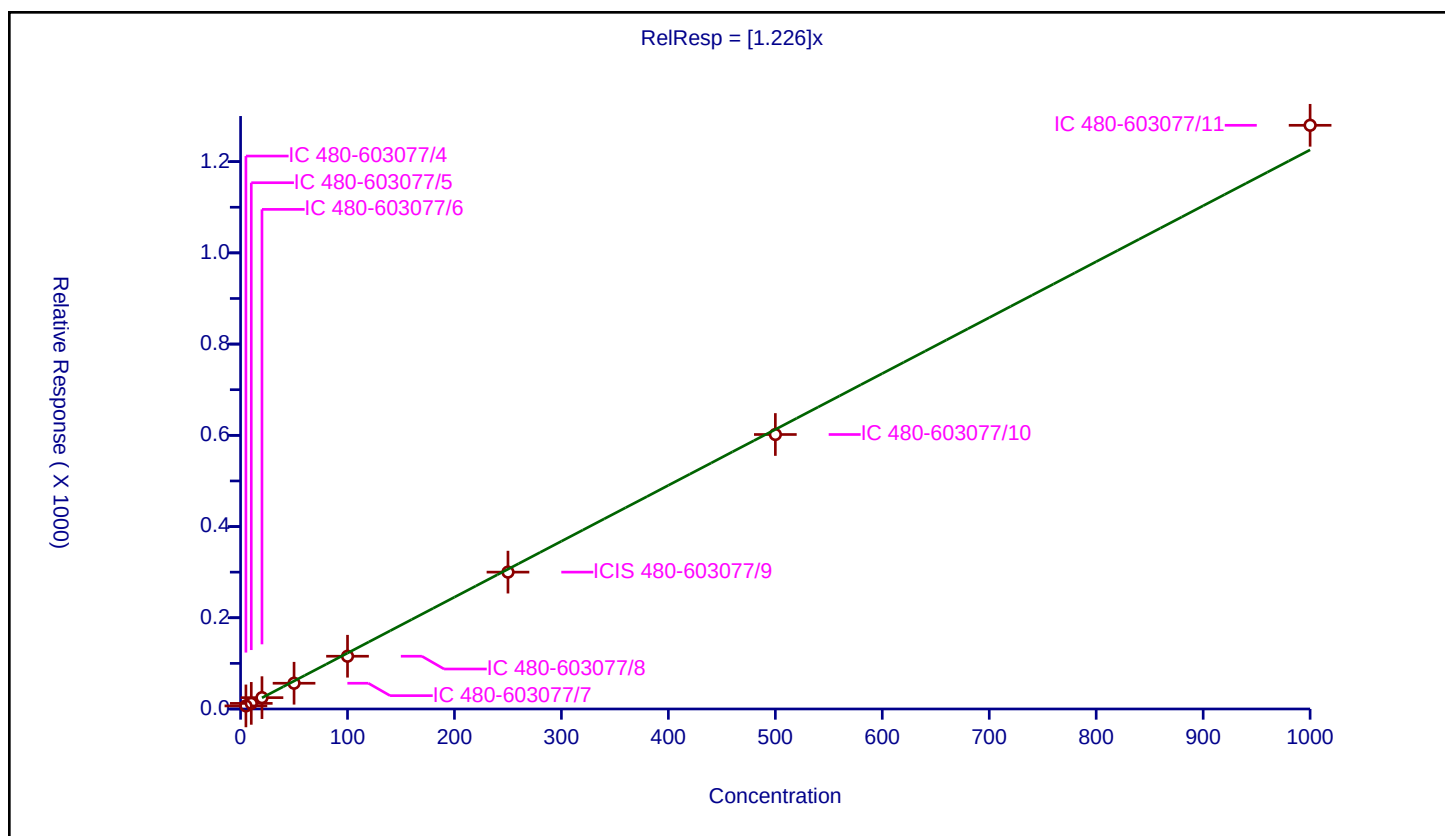
Curve Coefficients

Intercept: 0
Slope: 1.226

Error Coefficients

Standard Error: 3940000
Relative Standard Error: 5.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	5.0	6.804558	25.0	171330.0	1.360912	Y
2	IC 480-603077/5	10.0	12.313772	25.0	169215.0	1.231377	Y
3	IC 480-603077/6	20.0	24.888952	25.0	175599.0	1.244448	Y
4	IC 480-603077/7	50.0	56.501015	25.0	163586.0	1.13002	Y
5	IC 480-603077/8	100.0	115.647163	25.0	178085.0	1.156472	Y
6	ICIS 480-603077/9	250.0	300.041402	25.0	179339.0	1.200166	Y
7	IC 480-603077/10	500.0	601.774834	25.0	185454.0	1.20355	Y
8	IC 480-603077/11	1000.0	1279.704634	25.0	178558.0	1.279705	Y



Calibration

/ Hexane

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

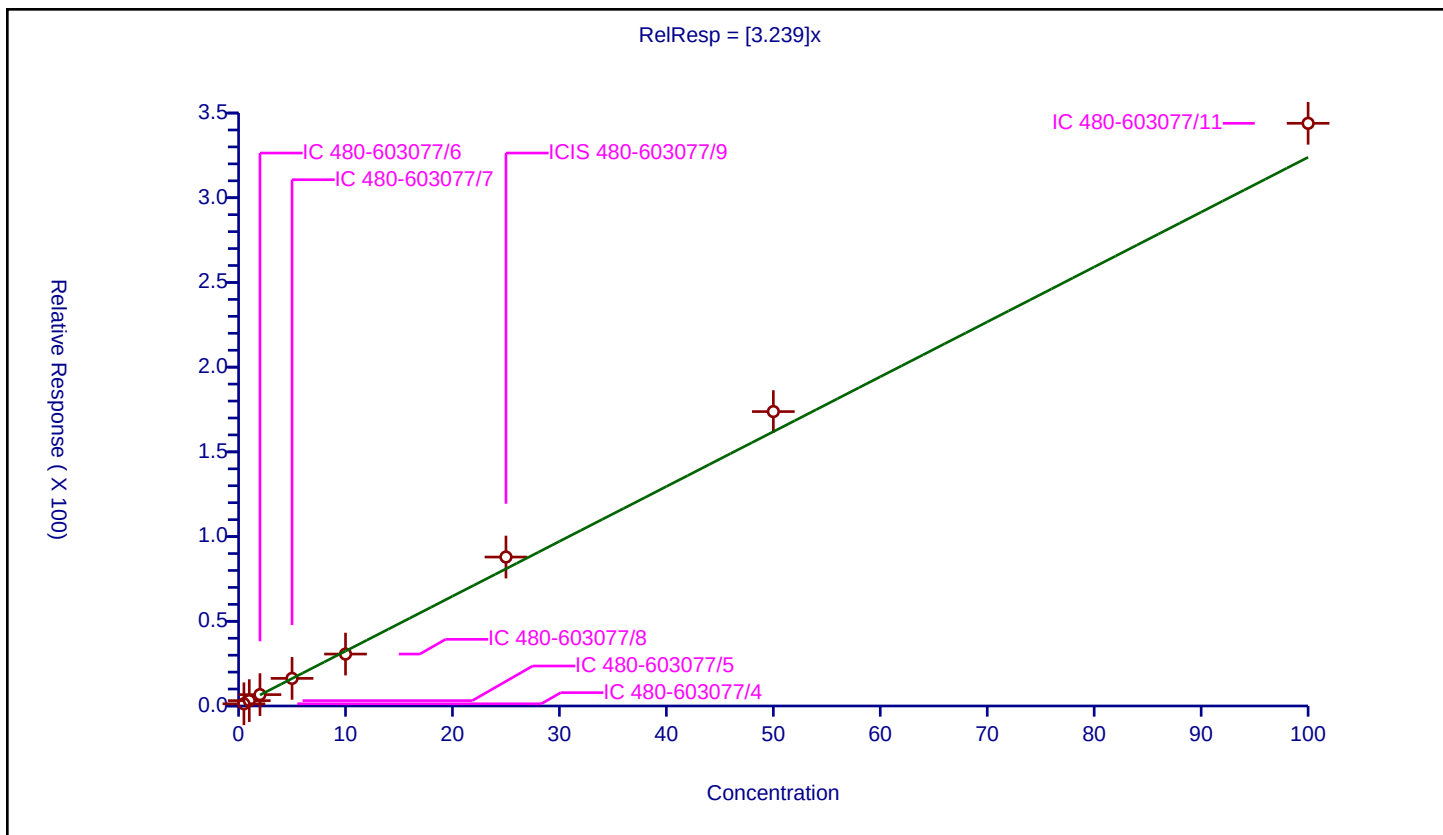
Curve Coefficients

Intercept: 0
 Slope: 3.239

Error Coefficients

Standard Error: 1080000
 Relative Standard Error: 9.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.305959	25.0	171330.0	2.611919	Y
2	IC 480-603077/5	1.0	3.186183	25.0	169215.0	3.186183	Y
3	IC 480-603077/6	2.0	6.711883	25.0	175599.0	3.355942	Y
4	IC 480-603077/7	5.0	16.296933	25.0	163586.0	3.259387	Y
5	IC 480-603077/8	10.0	30.65348	25.0	178085.0	3.065348	Y
6	ICIS 480-603077/9	25.0	87.937649	25.0	179339.0	3.517506	Y
7	IC 480-603077/10	50.0	173.787974	25.0	185454.0	3.475759	Y
8	IC 480-603077/11	100.0	343.925783	25.0	178558.0	3.439258	Y



Calibration

/ 1,1-Dichloroethane

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

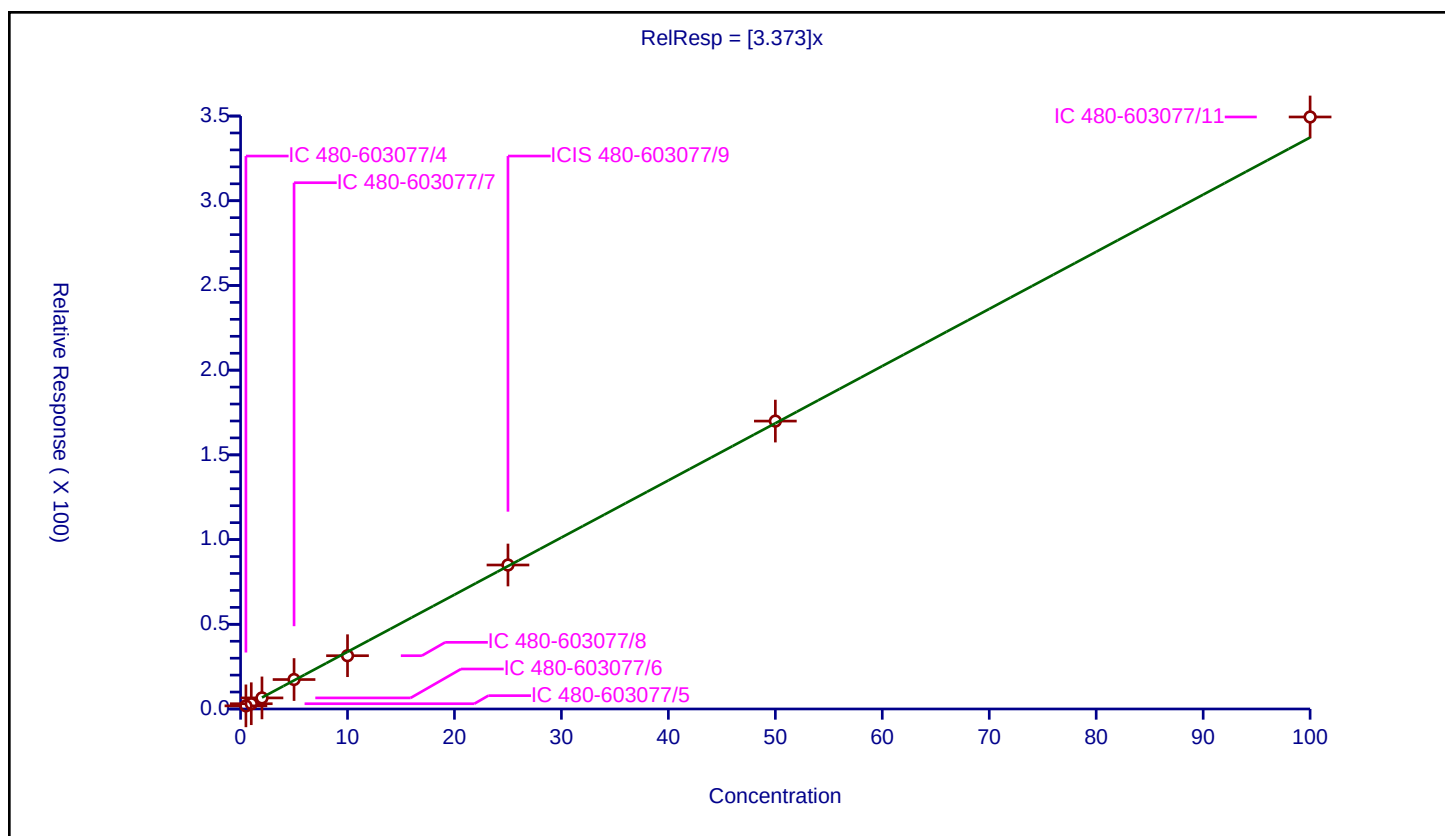
Curve Coefficients

Intercept: 0
Slope: 3.373

Error Coefficients

Standard Error: 1090000
Relative Standard Error: 5.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.842643	25.0	171330.0	3.685286	Y
2	IC 480-603077/5	1.0	3.113938	25.0	169215.0	3.113938	Y
3	IC 480-603077/6	2.0	6.542463	25.0	175599.0	3.271232	Y
4	IC 480-603077/7	5.0	17.39452	25.0	163586.0	3.478904	Y
5	IC 480-603077/8	10.0	31.453239	25.0	178085.0	3.145324	Y
6	ICIS 480-603077/9	25.0	84.983606	25.0	179339.0	3.399344	Y
7	IC 480-603077/10	50.0	169.936885	25.0	185454.0	3.398738	Y
8	IC 480-603077/11	100.0	349.437858	25.0	178558.0	3.494379	Y



Calibration

/ Vinyl acetate

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

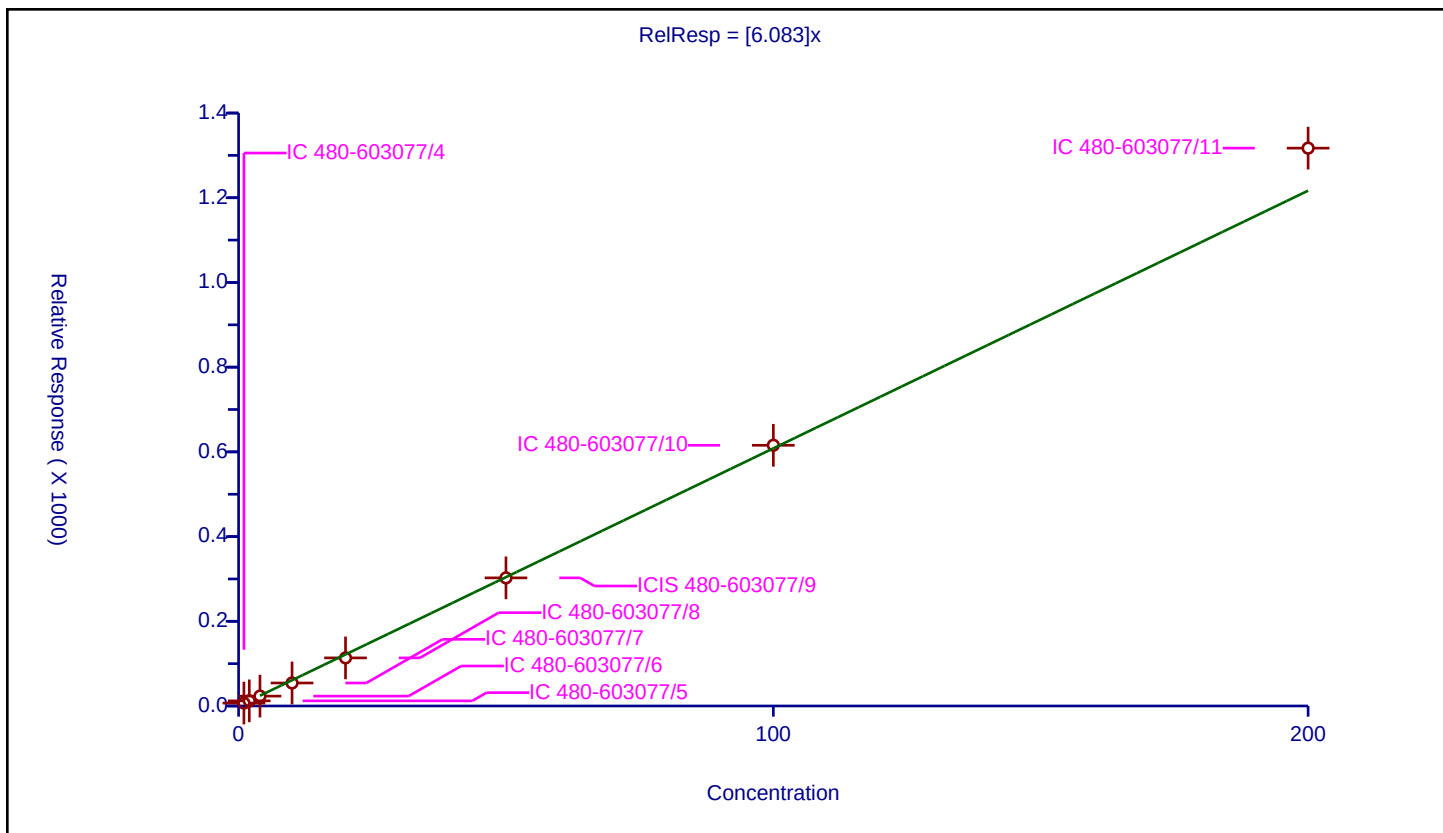
Curve Coefficients

Intercept: 0
Slope: 6.083

Error Coefficients

Standard Error: 4050000
Relative Standard Error: 7.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	1.0	6.867011	25.0	171330.0	6.867011	Y
2	IC 480-603077/5	2.0	12.138699	25.0	169215.0	6.06935	Y
3	IC 480-603077/6	4.0	23.336266	25.0	175599.0	5.834067	Y
4	IC 480-603077/7	10.0	54.275121	25.0	163586.0	5.427512	Y
5	IC 480-603077/8	20.0	113.546059	25.0	178085.0	5.677303	Y
6	ICIS 480-603077/9	50.0	302.485516	25.0	179339.0	6.04971	Y
7	IC 480-603077/10	100.0	615.606026	25.0	185454.0	6.15606	Y
8	IC 480-603077/11	200.0	1317.051602	25.0	178558.0	6.585258	Y



Calibration

/ 2,2-Dichloropropane

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

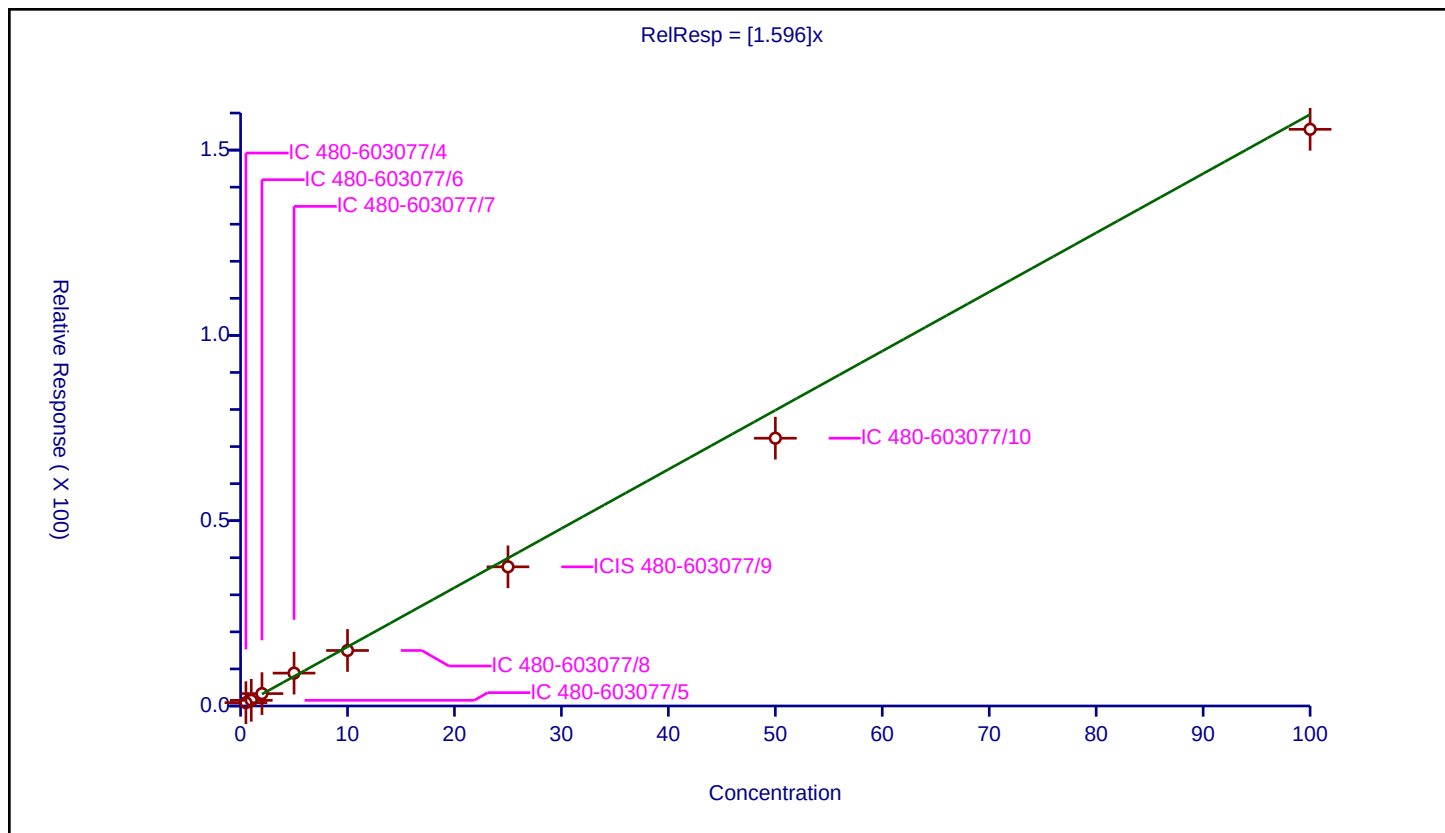
Curve Coefficients

Intercept: 0
 Slope: 1.596

Error Coefficients

Standard Error: 480000
 Relative Standard Error: 8.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.89885	25.0	171330.0	1.7977	Y
2	IC 480-603077/5	1.0	1.526756	25.0	169215.0	1.526756	Y
3	IC 480-603077/6	2.0	3.339284	25.0	175599.0	1.669642	Y
4	IC 480-603077/7	5.0	8.865062	25.0	163586.0	1.773012	Y
5	IC 480-603077/8	10.0	14.976977	25.0	178085.0	1.497698	Y
6	ICIS 480-603077/9	25.0	37.556388	25.0	179339.0	1.502256	Y
7	IC 480-603077/10	50.0	72.259698	25.0	185454.0	1.445194	Y
8	IC 480-603077/11	100.0	155.600981	25.0	178558.0	1.55601	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

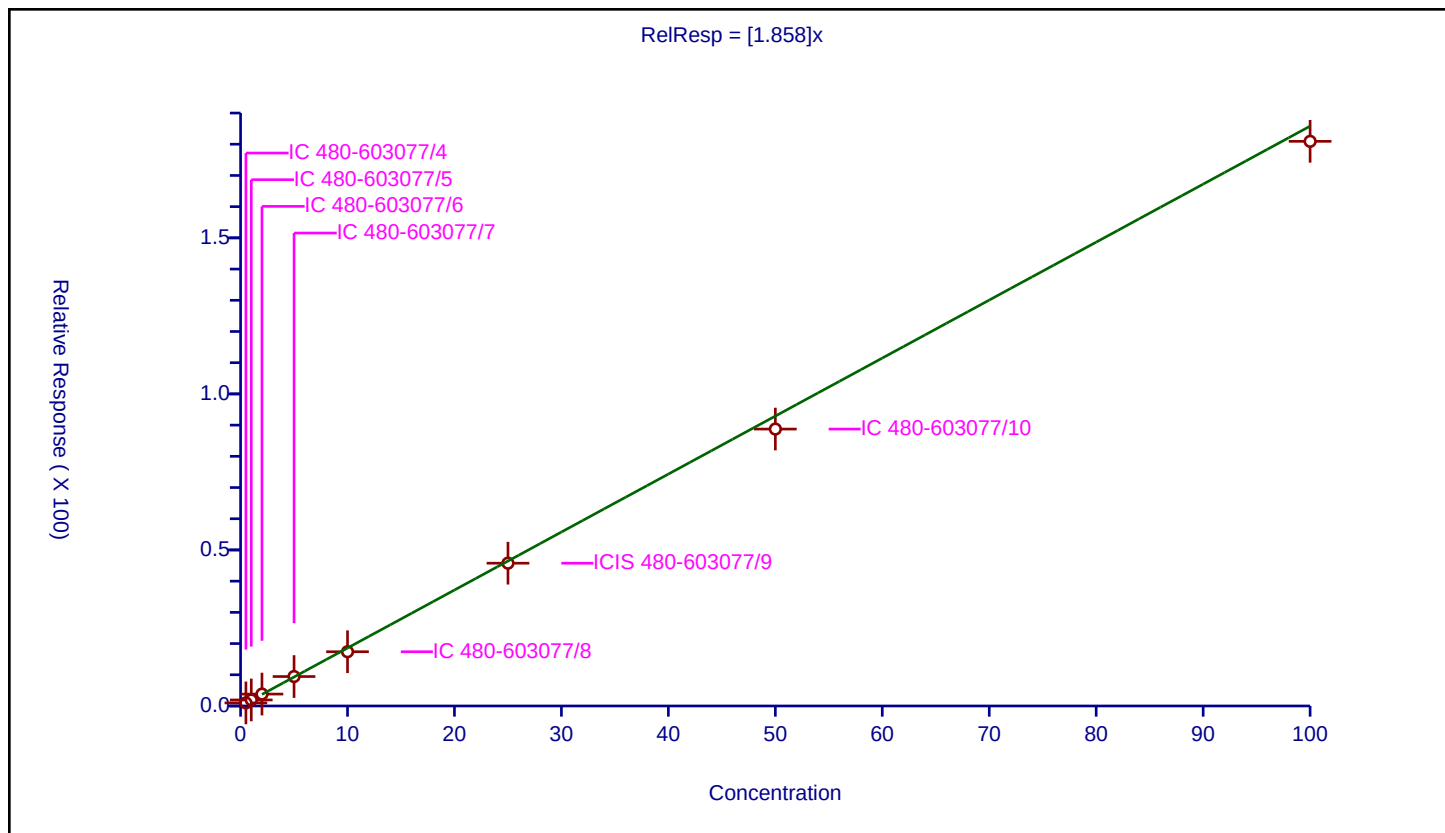
Curve Coefficients

Intercept: 0
 Slope: 1.858

Error Coefficients

Standard Error: 564000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.989027	25.0	171330.0	1.978054	Y
2	IC 480-603077/5	1.0	1.937771	25.0	169215.0	1.937771	Y
3	IC 480-603077/6	2.0	3.814088	25.0	175599.0	1.907044	Y
4	IC 480-603077/7	5.0	9.438613	25.0	163586.0	1.887723	Y
5	IC 480-603077/8	10.0	17.387624	25.0	178085.0	1.738762	Y
6	ICIS 480-603077/9	25.0	45.761797	25.0	179339.0	1.830472	Y
7	IC 480-603077/10	50.0	88.731977	25.0	185454.0	1.77464	Y
8	IC 480-603077/11	100.0	180.928466	25.0	178558.0	1.809285	Y



Calibration

/ 2-Butanone (MEK)

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

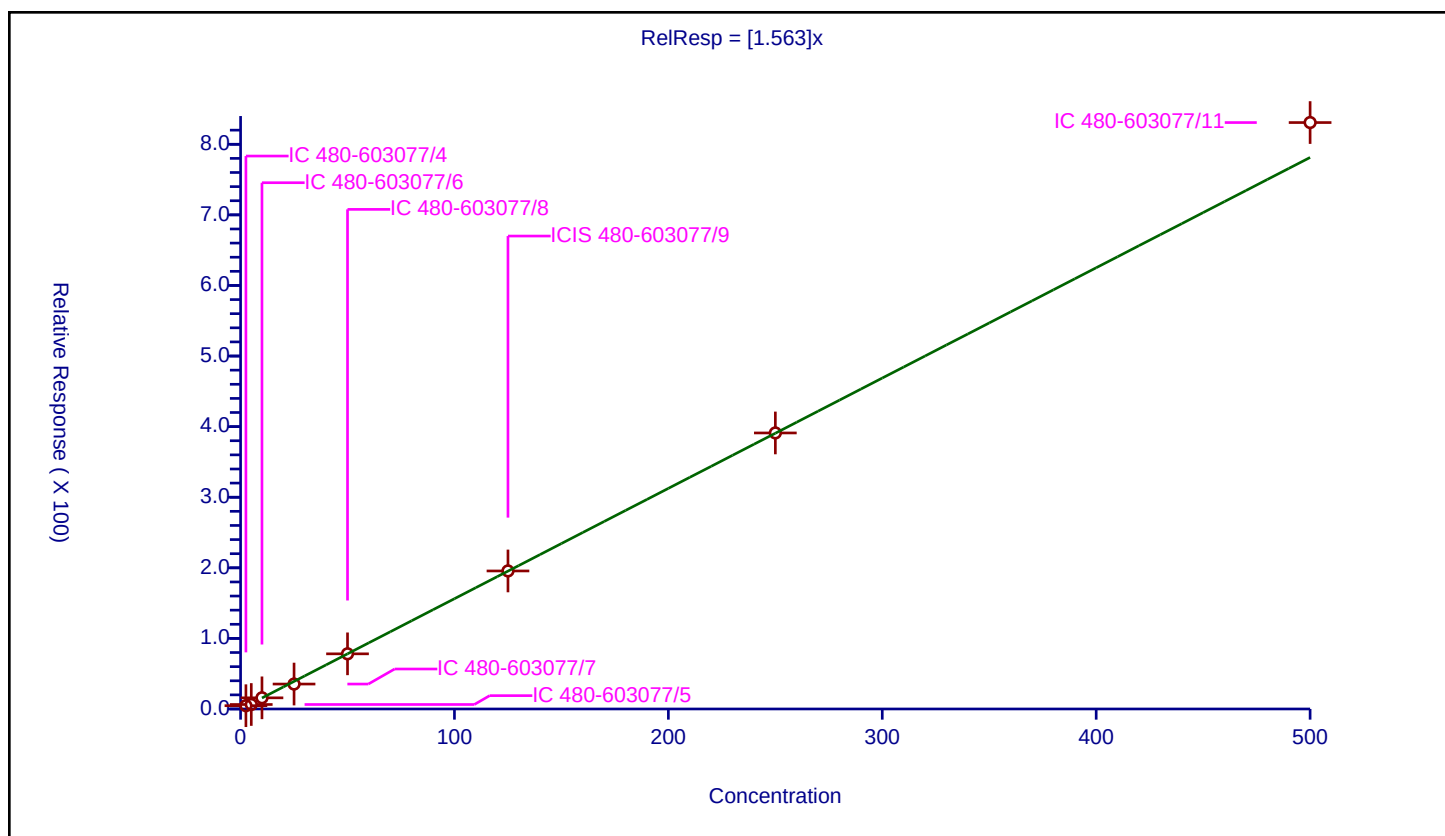
Curve Coefficients

Intercept: 0
 Slope: 1.563

Error Coefficients

Standard Error: 2560000
 Relative Standard Error: 11.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	2.5	4.674605	25.0	171330.0	1.869842	Y
2	IC 480-603077/5	5.0	6.394528	25.0	169215.0	1.278906	Y
3	IC 480-603077/6	10.0	15.855016	25.0	175599.0	1.585502	Y
4	IC 480-603077/7	25.0	35.332791	25.0	163586.0	1.413312	Y
5	IC 480-603077/8	50.0	78.173625	25.0	178085.0	1.563472	Y
6	ICIS 480-603077/9	125.0	195.578904	25.0	179339.0	1.564631	Y
7	IC 480-603077/10	250.0	391.055868	25.0	185454.0	1.564223	Y
8	IC 480-603077/11	500.0	830.776974	25.0	178558.0	1.661554	Y



Calibration

/ Chlorobromomethane

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

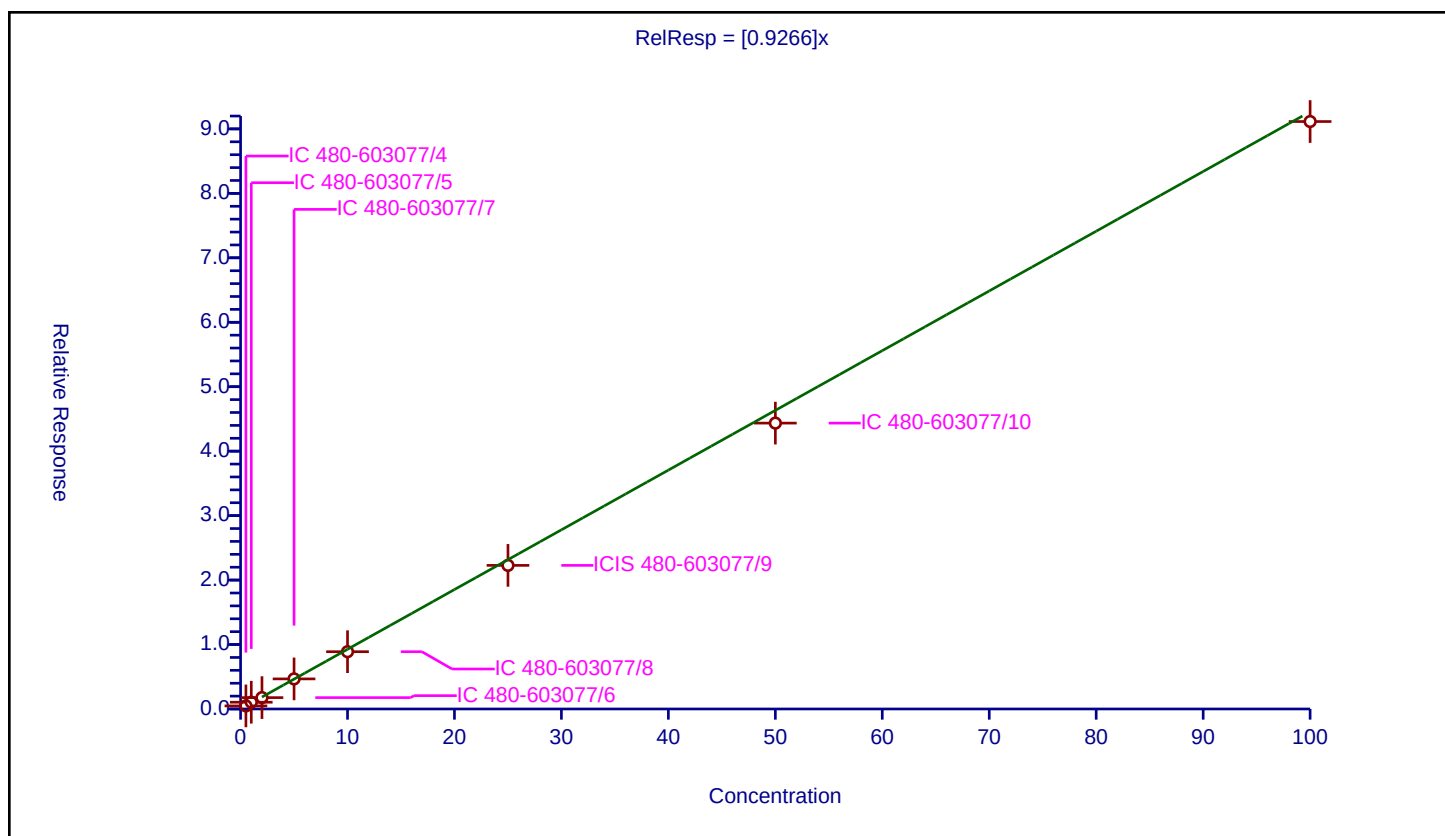
Curve Coefficients

Intercept: 0
 Slope: 0.9266

Error Coefficients

Standard Error: 284000
 Relative Standard Error: 6.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.483278	25.0	171330.0	0.966556	Y
2	IC 480-603077/5	1.0	1.050439	25.0	169215.0	1.050439	Y
3	IC 480-603077/6	2.0	1.766952	25.0	175599.0	0.883476	Y
4	IC 480-603077/7	5.0	4.668492	25.0	163586.0	0.933698	Y
5	IC 480-603077/8	10.0	8.890979	25.0	178085.0	0.889098	Y
6	ICIS 480-603077/9	25.0	22.282103	25.0	179339.0	0.891284	Y
7	IC 480-603077/10	50.0	44.354126	25.0	185454.0	0.887083	Y
8	IC 480-603077/11	100.0	91.149094	25.0	178558.0	0.911491	Y



Calibration

/ Tetrahydrofuran

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

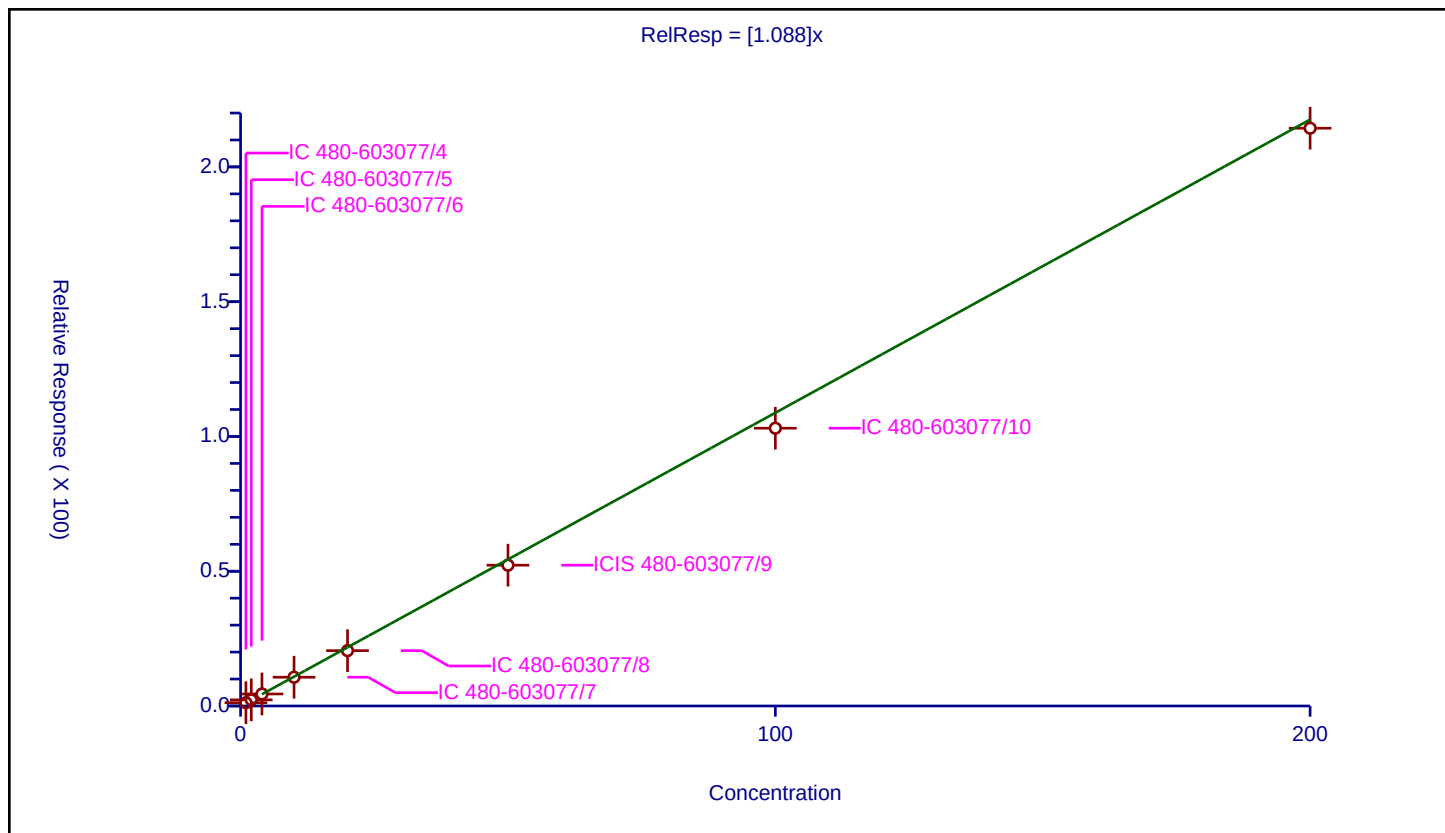
Curve Coefficients

Intercept: 0
 Slope: 1.088

Error Coefficients

Standard Error: 665000
 Relative Standard Error: 5.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	1.0	1.209508	25.0	171330.0	1.209508	Y
2	IC 480-603077/5	2.0	2.275507	25.0	169215.0	1.137754	Y
3	IC 480-603077/6	4.0	4.457742	25.0	175599.0	1.114435	Y
4	IC 480-603077/7	10.0	10.669006	25.0	163586.0	1.066901	Y
5	IC 480-603077/8	20.0	20.532892	25.0	178085.0	1.026645	Y
6	ICIS 480-603077/9	50.0	52.245329	25.0	179339.0	1.044907	Y
7	IC 480-603077/10	100.0	103.06936	25.0	185454.0	1.030694	Y
8	IC 480-603077/11	200.0	214.371241	25.0	178558.0	1.071856	Y



Calibration

/ Chloroform

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

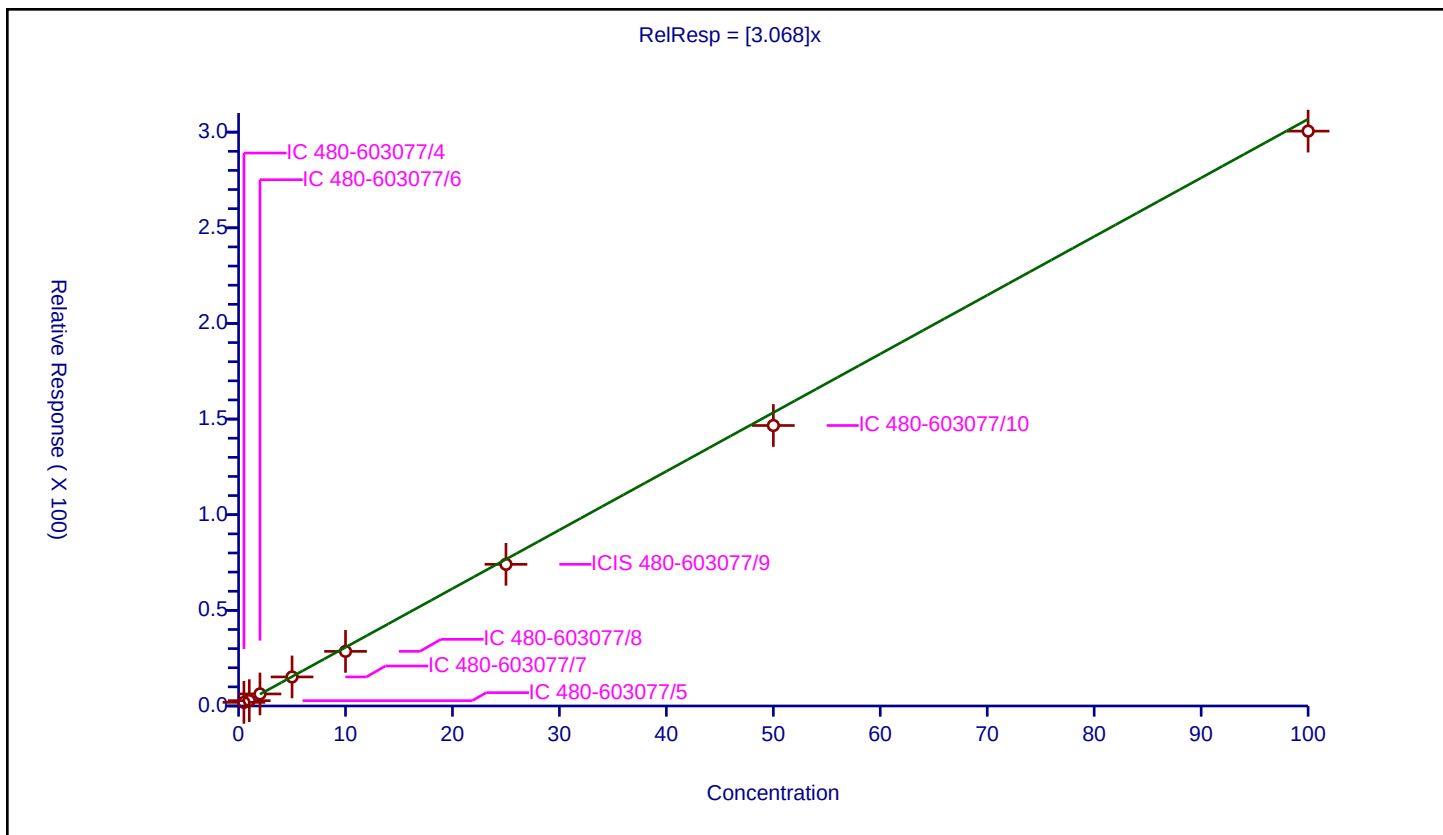
Curve Coefficients

Intercept: 0
 Slope: 3.068

Error Coefficients

Standard Error: 935000
 Relative Standard Error: 10.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.898529	25.0	171330.0	3.797058	Y
2	IC 480-603077/5	1.0	2.796886	25.0	169215.0	2.796886	Y
3	IC 480-603077/6	2.0	6.310685	25.0	175599.0	3.155343	Y
4	IC 480-603077/7	5.0	15.1888	25.0	163586.0	3.03776	Y
5	IC 480-603077/8	10.0	28.555184	25.0	178085.0	2.855518	Y
6	ICIS 480-603077/9	25.0	74.068524	25.0	179339.0	2.962741	Y
7	IC 480-603077/10	50.0	146.638789	25.0	185454.0	2.932776	Y
8	IC 480-603077/11	100.0	300.552062	25.0	178558.0	3.005521	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

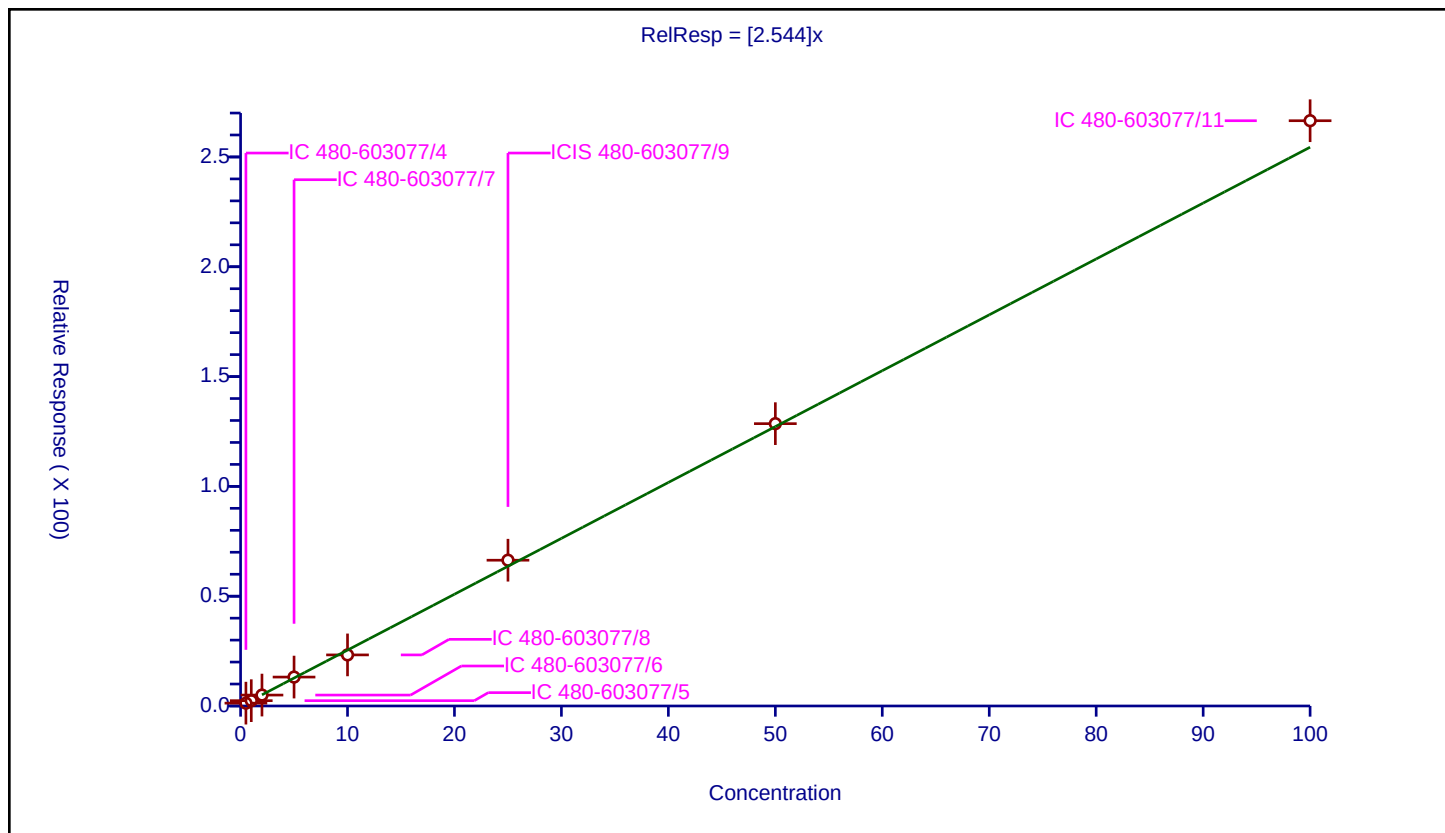
Curve Coefficients

Intercept: 0
 Slope: 2.544

Error Coefficients

Standard Error: 828000
 Relative Standard Error: 4.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.297788	25.0	171330.0	2.595576	Y
2	IC 480-603077/5	1.0	2.423544	25.0	169215.0	2.423544	Y
3	IC 480-603077/6	2.0	4.971839	25.0	175599.0	2.48592	Y
4	IC 480-603077/7	5.0	13.164177	25.0	163586.0	2.632835	Y
5	IC 480-603077/8	10.0	23.259679	25.0	178085.0	2.325968	Y
6	ICIS 480-603077/9	25.0	66.385449	25.0	179339.0	2.655418	Y
7	IC 480-603077/10	50.0	128.55479	25.0	185454.0	2.571096	Y
8	IC 480-603077/11	100.0	266.501641	25.0	178558.0	2.665016	Y



Calibration

/ Cyclohexane

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

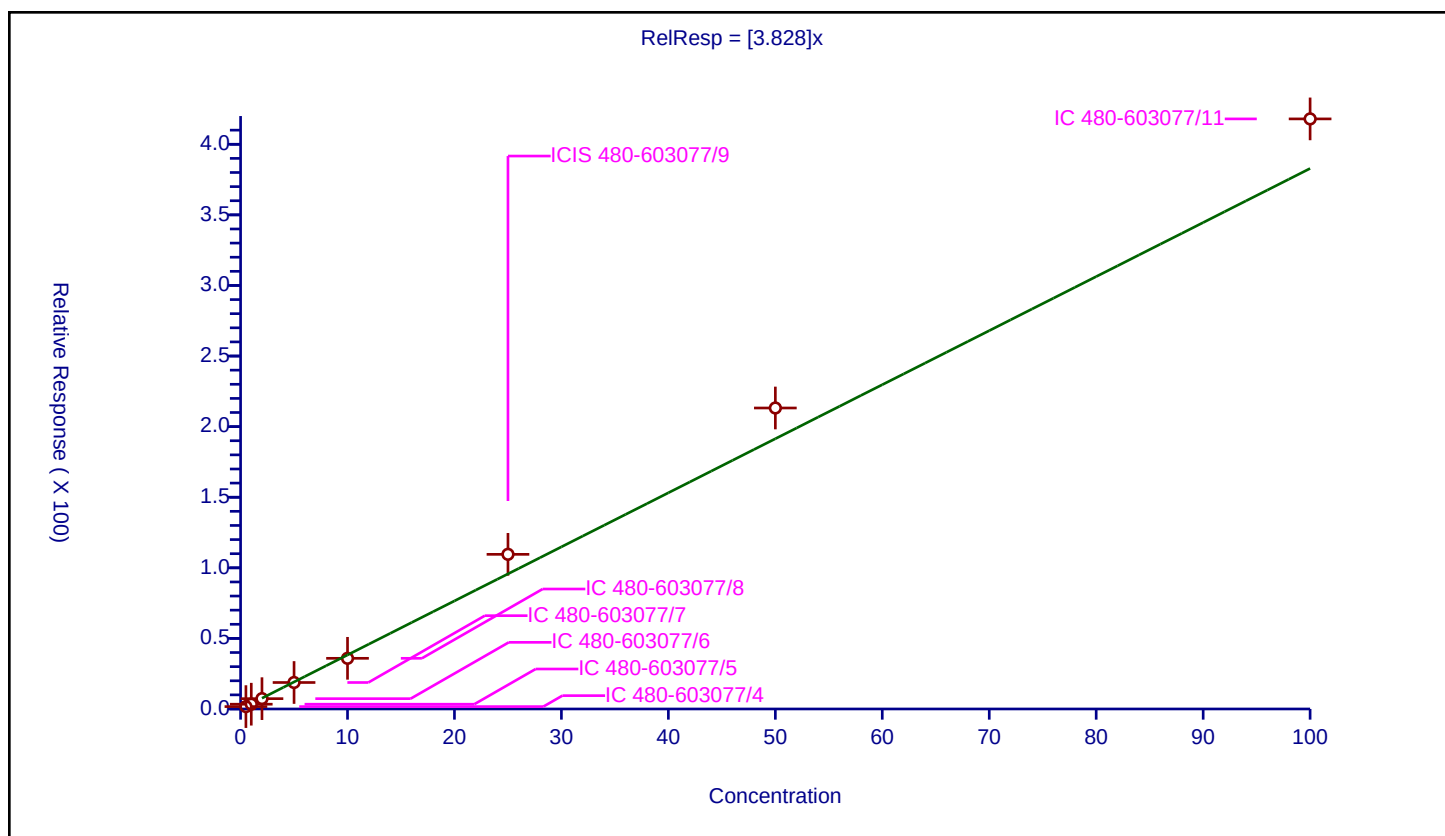
Curve Coefficients

Intercept: 0
 Slope: 3.828

Error Coefficients

Standard Error: 1320000
 Relative Standard Error: 10.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.691035	25.0	171330.0	3.38207	Y
2	IC 480-603077/5	1.0	3.407943	25.0	169215.0	3.407943	Y
3	IC 480-603077/6	2.0	7.331477	25.0	175599.0	3.665738	Y
4	IC 480-603077/7	5.0	18.780336	25.0	163586.0	3.756067	Y
5	IC 480-603077/8	10.0	35.894236	25.0	178085.0	3.589424	Y
6	ICIS 480-603077/9	25.0	109.561501	25.0	179339.0	4.38246	Y
7	IC 480-603077/10	50.0	213.196399	25.0	185454.0	4.263928	Y
8	IC 480-603077/11	100.0	417.964751	25.0	178558.0	4.179648	Y



Calibration

/ Dibromofluoromethane (Surr)

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

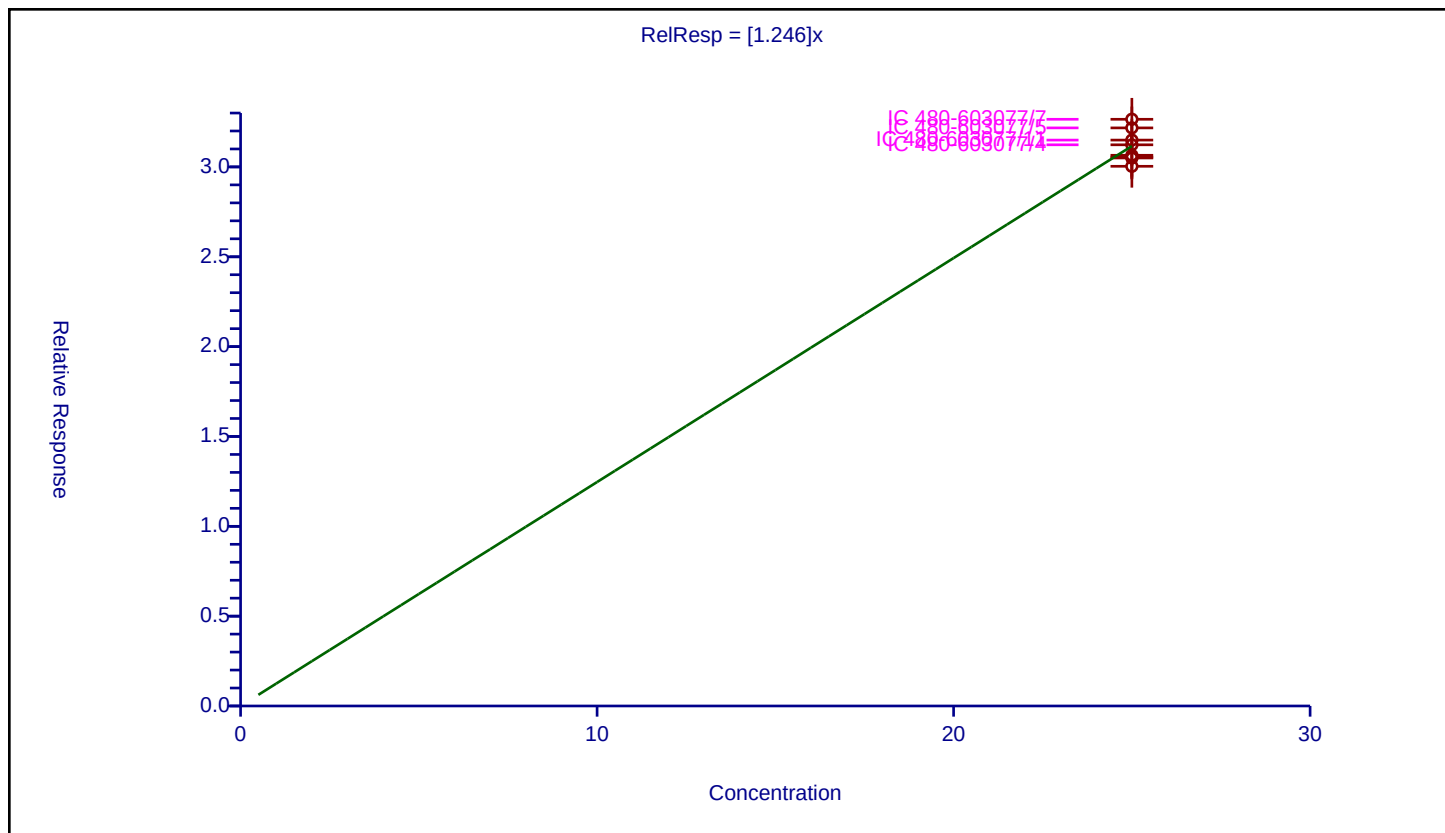
Curve Coefficients

Intercept: 0
 Slope: 1.246

Error Coefficients

Standard Error: 233000
 Relative Standard Error: 2.9
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	25.0	31.23125	25.0	171330.0	1.24925	Y
2	IC 480-603077/5	25.0	32.17268	25.0	169215.0	1.286907	Y
3	IC 480-603077/6	25.0	30.64952	25.0	175599.0	1.225981	Y
4	IC 480-603077/7	25.0	32.652703	25.0	163586.0	1.306108	Y
5	IC 480-603077/8	25.0	30.497936	25.0	178085.0	1.219917	Y
6	ICIS 480-603077/9	25.0	30.034878	25.0	179339.0	1.201395	Y
7	IC 480-603077/10	25.0	30.543693	25.0	185454.0	1.221748	Y
8	IC 480-603077/11	25.0	31.494388	25.0	178558.0	1.259776	Y



Calibration

/ Carbon tetrachloride

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

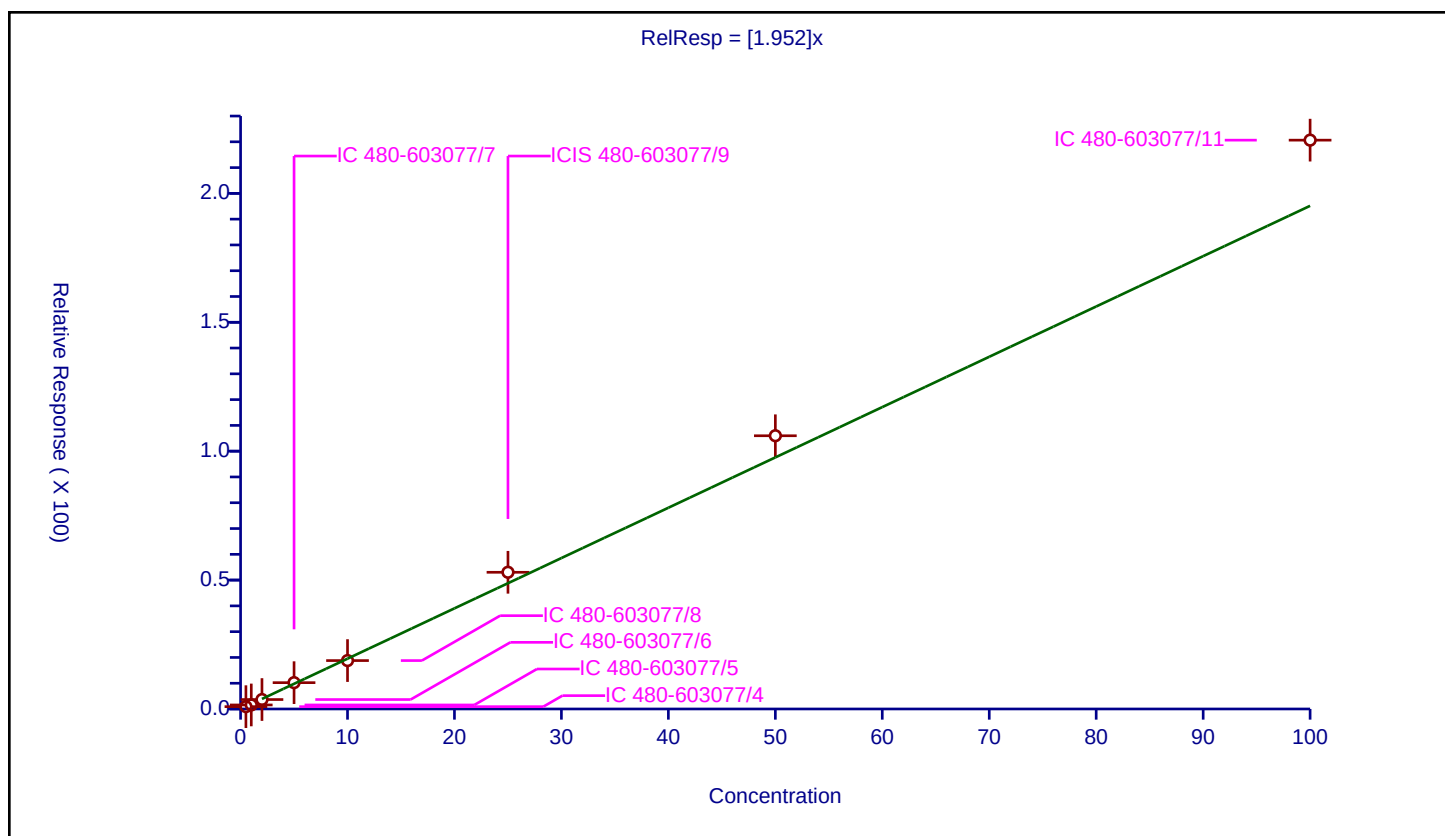
Curve Coefficients

Intercept: 0
 Slope: 1.952

Error Coefficients

Standard Error: 683000
 Relative Standard Error: 10.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.915631	25.0	171330.0	1.831261	Y
2	IC 480-603077/5	1.0	1.578465	25.0	169215.0	1.578465	Y
3	IC 480-603077/6	2.0	3.664599	25.0	175599.0	1.8323	Y
4	IC 480-603077/7	5.0	10.226731	25.0	163586.0	2.045346	Y
5	IC 480-603077/8	10.0	18.775164	25.0	178085.0	1.877516	Y
6	ICIS 480-603077/9	25.0	53.039495	25.0	179339.0	2.12158	Y
7	IC 480-603077/10	50.0	105.995152	25.0	185454.0	2.119903	Y
8	IC 480-603077/11	100.0	220.652953	25.0	178558.0	2.20653	Y



Calibration

/ 1,1-Dichloropropene

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

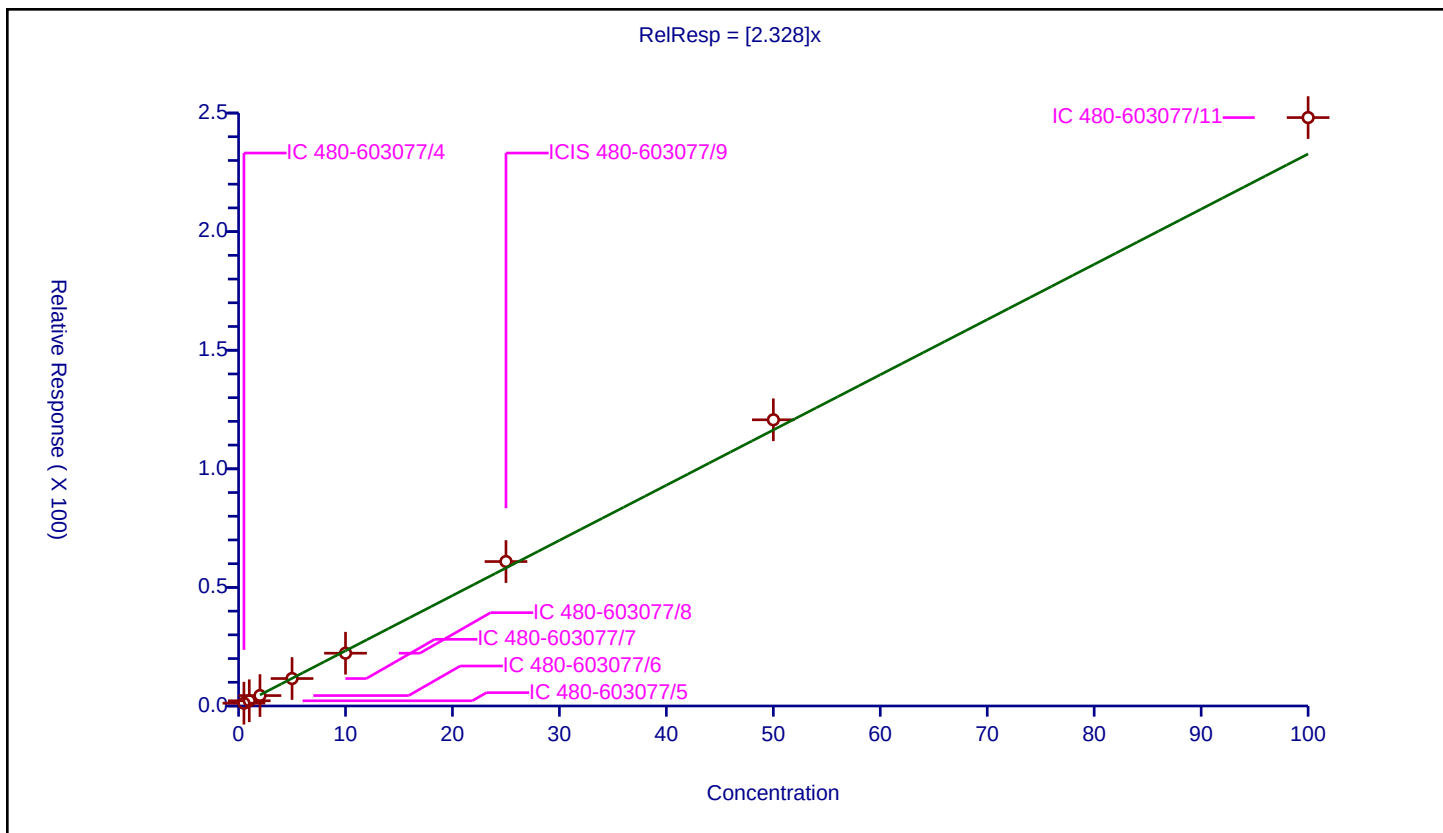
Curve Coefficients

Intercept: 0
 Slope: 2.328

Error Coefficients

Standard Error: 771000
 Relative Standard Error: 4.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.176968	25.0	171330.0	2.353937	Y
2	IC 480-603077/5	1.0	2.19558	25.0	169215.0	2.19558	Y
3	IC 480-603077/6	2.0	4.393675	25.0	175599.0	2.196838	Y
4	IC 480-603077/7	5.0	11.59054	25.0	163586.0	2.318108	Y
5	IC 480-603077/8	10.0	22.254682	25.0	178085.0	2.225468	Y
6	ICIS 480-603077/9	25.0	60.904488	25.0	179339.0	2.43618	Y
7	IC 480-603077/10	50.0	120.661862	25.0	185454.0	2.413237	Y
8	IC 480-603077/11	100.0	248.078776	25.0	178558.0	2.480788	Y



Calibration

/ Benzene

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

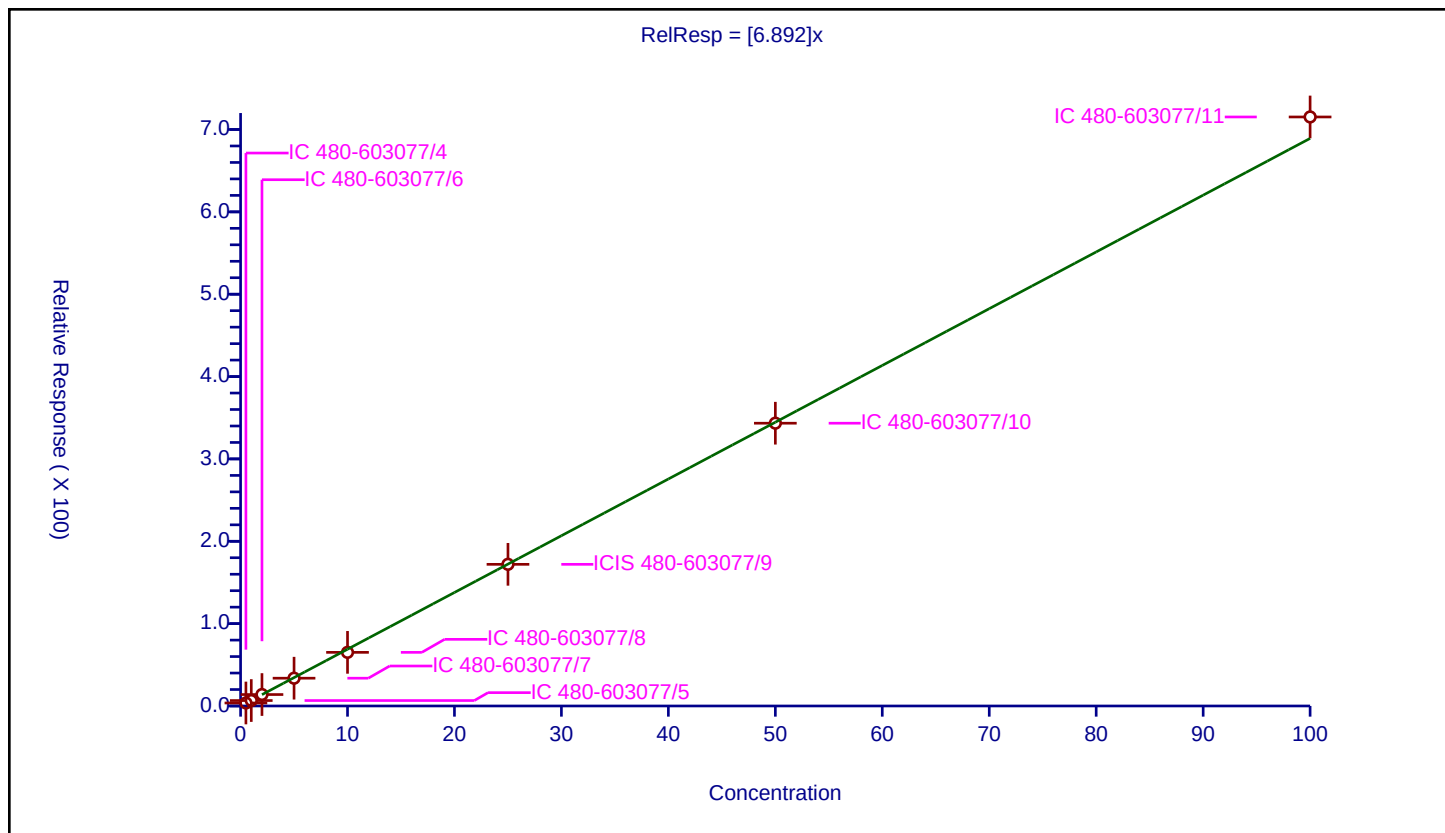
Curve Coefficients

Intercept: 0
 Slope: 6.892

Error Coefficients

Standard Error: 2220000
 Relative Standard Error: 3.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	3.675947	25.0	171330.0	7.351894	Y
2	IC 480-603077/5	1.0	6.641846	25.0	169215.0	6.641846	Y
3	IC 480-603077/6	2.0	13.951247	25.0	175599.0	6.975623	Y
4	IC 480-603077/7	5.0	33.746775	25.0	163586.0	6.749355	Y
5	IC 480-603077/8	10.0	65.134767	25.0	178085.0	6.513477	Y
6	ICIS 480-603077/9	25.0	172.05711	25.0	179339.0	6.882284	Y
7	IC 480-603077/10	50.0	343.402272	25.0	185454.0	6.868045	Y
8	IC 480-603077/11	100.0	715.255967	25.0	178558.0	7.15256	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

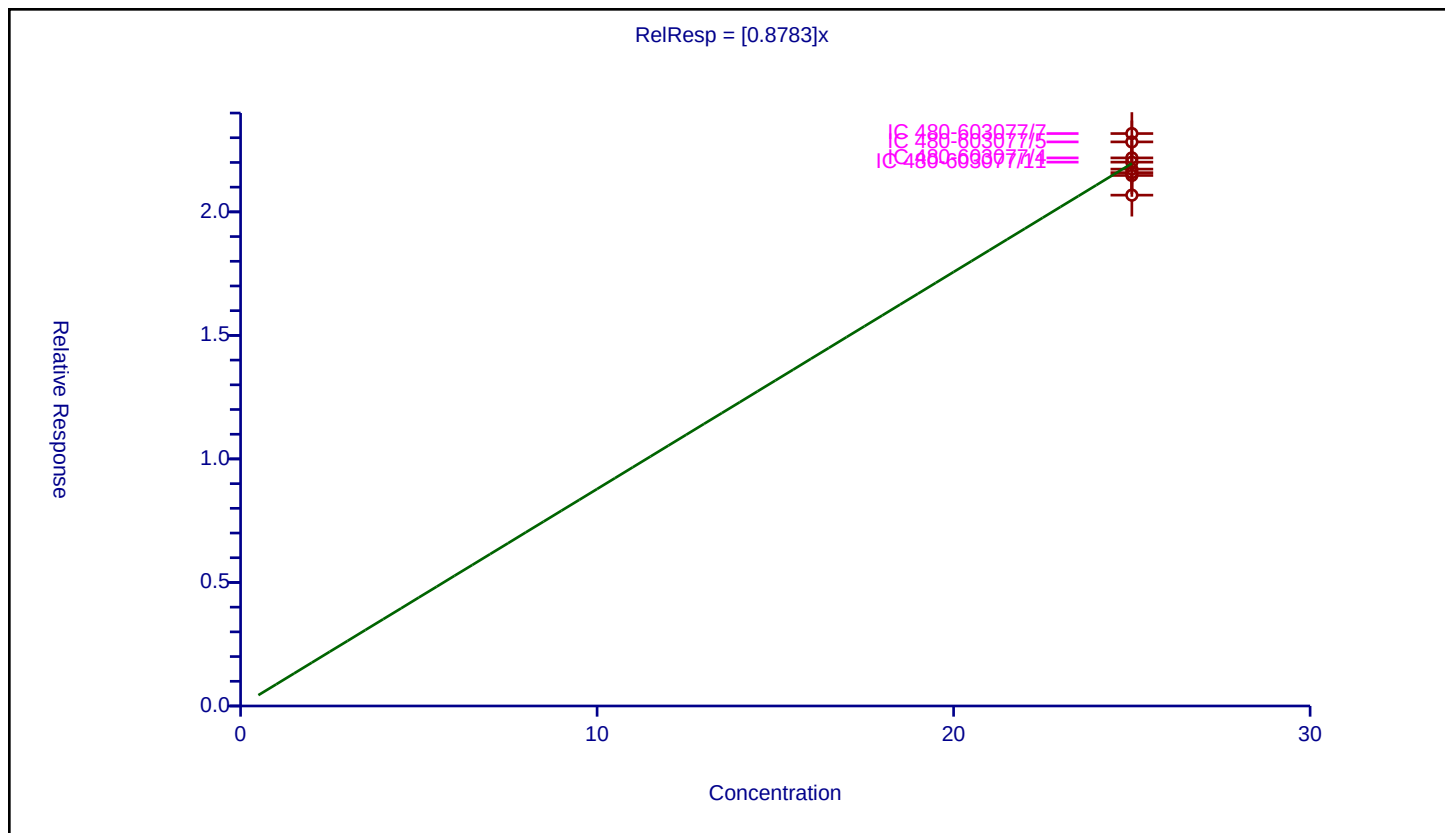
Curve Coefficients

Intercept: 0
 Slope: 0.8783

Error Coefficients

Standard Error: 164000
 Relative Standard Error: 3.6
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	25.0	22.184089	25.0	171330.0	0.887364	Y
2	IC 480-603077/5	25.0	22.830571	25.0	169215.0	0.913223	Y
3	IC 480-603077/6	25.0	21.729907	25.0	175599.0	0.869196	Y
4	IC 480-603077/7	25.0	23.168395	25.0	163586.0	0.926736	Y
5	IC 480-603077/8	25.0	21.587023	25.0	178085.0	0.863481	Y
6	ICIS 480-603077/9	25.0	21.473439	25.0	179339.0	0.858938	Y
7	IC 480-603077/10	25.0	20.676826	25.0	185454.0	0.827073	Y
8	IC 480-603077/11	25.0	22.011615	25.0	178558.0	0.880465	Y



Calibration

/ Isobutyl alcohol

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

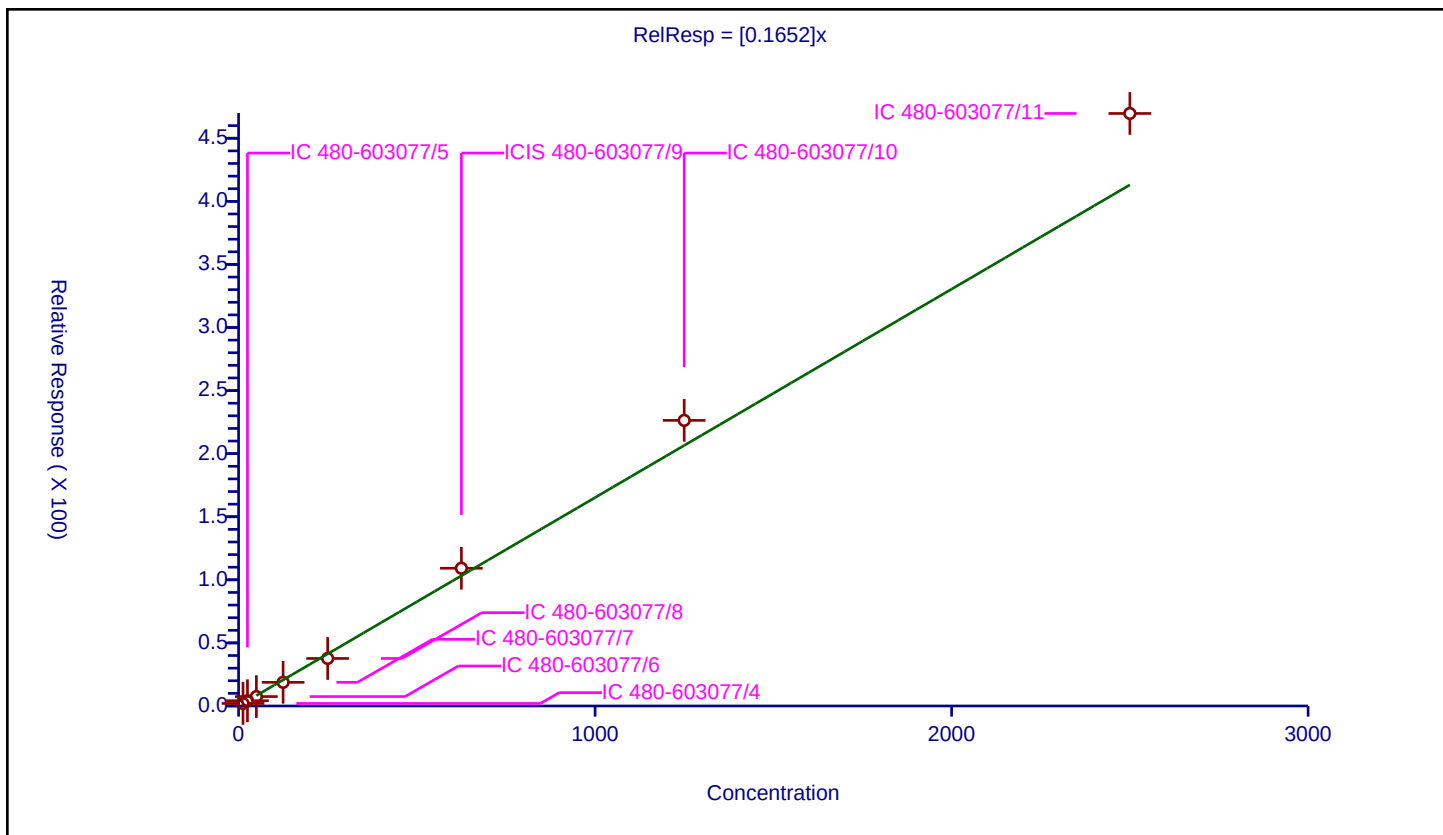
Curve Coefficients

Intercept: 0
 Slope: 0.1652

Error Coefficients

Standard Error: 1450000
 Relative Standard Error: 9.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	12.5	2.011177	25.0	171330.0	0.160894	Y
2	IC 480-603077/5	25.0	4.166888	25.0	169215.0	0.166676	Y
3	IC 480-603077/6	50.0	7.479541	25.0	175599.0	0.149591	Y
4	IC 480-603077/7	125.0	18.762455	25.0	163586.0	0.1501	Y
5	IC 480-603077/8	250.0	37.691271	25.0	178085.0	0.150765	Y
6	ICIS 480-603077/9	625.0	109.197247	25.0	179339.0	0.174716	Y
7	IC 480-603077/10	1250.0	226.387676	25.0	185454.0	0.18111	Y
8	IC 480-603077/11	2500.0	469.662099	25.0	178558.0	0.187865	Y



Calibration

/ 1,2-Dichloroethane

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

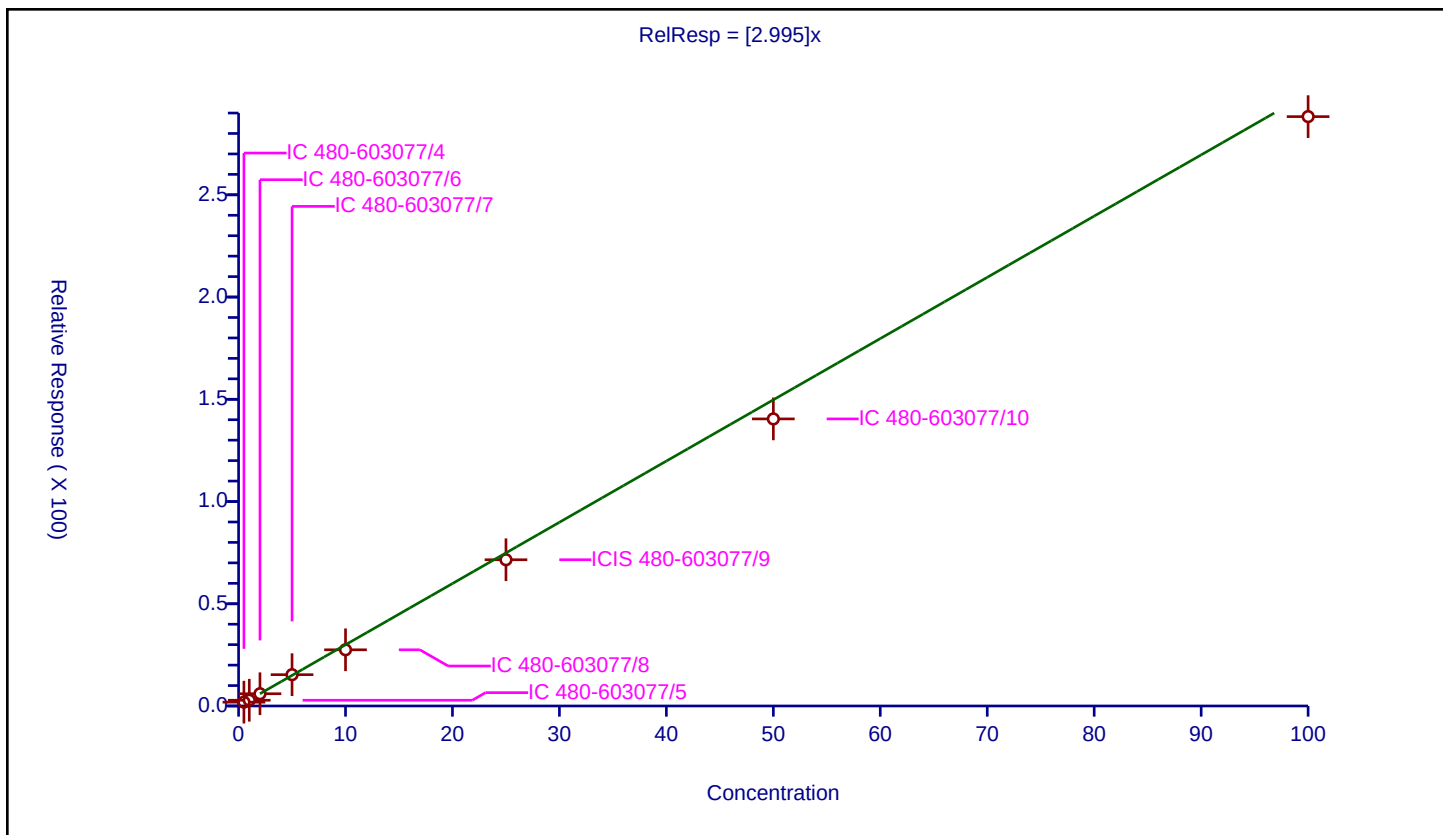
Curve Coefficients

Intercept: 0
 Slope: 2.995

Error Coefficients

Standard Error: 897000
 Relative Standard Error: 11.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.889482	25.0	171330.0	3.778965	Y
2	IC 480-603077/5	1.0	2.819638	25.0	169215.0	2.819638	Y
3	IC 480-603077/6	2.0	5.992346	25.0	175599.0	2.996173	Y
4	IC 480-603077/7	5.0	15.315797	25.0	163586.0	3.063159	Y
5	IC 480-603077/8	10.0	27.494315	25.0	178085.0	2.749431	Y
6	ICIS 480-603077/9	25.0	71.531708	25.0	179339.0	2.861268	Y
7	IC 480-603077/10	50.0	140.395866	25.0	185454.0	2.807917	Y
8	IC 480-603077/11	100.0	288.256477	25.0	178558.0	2.882565	Y



Calibration

/ n-Heptane

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

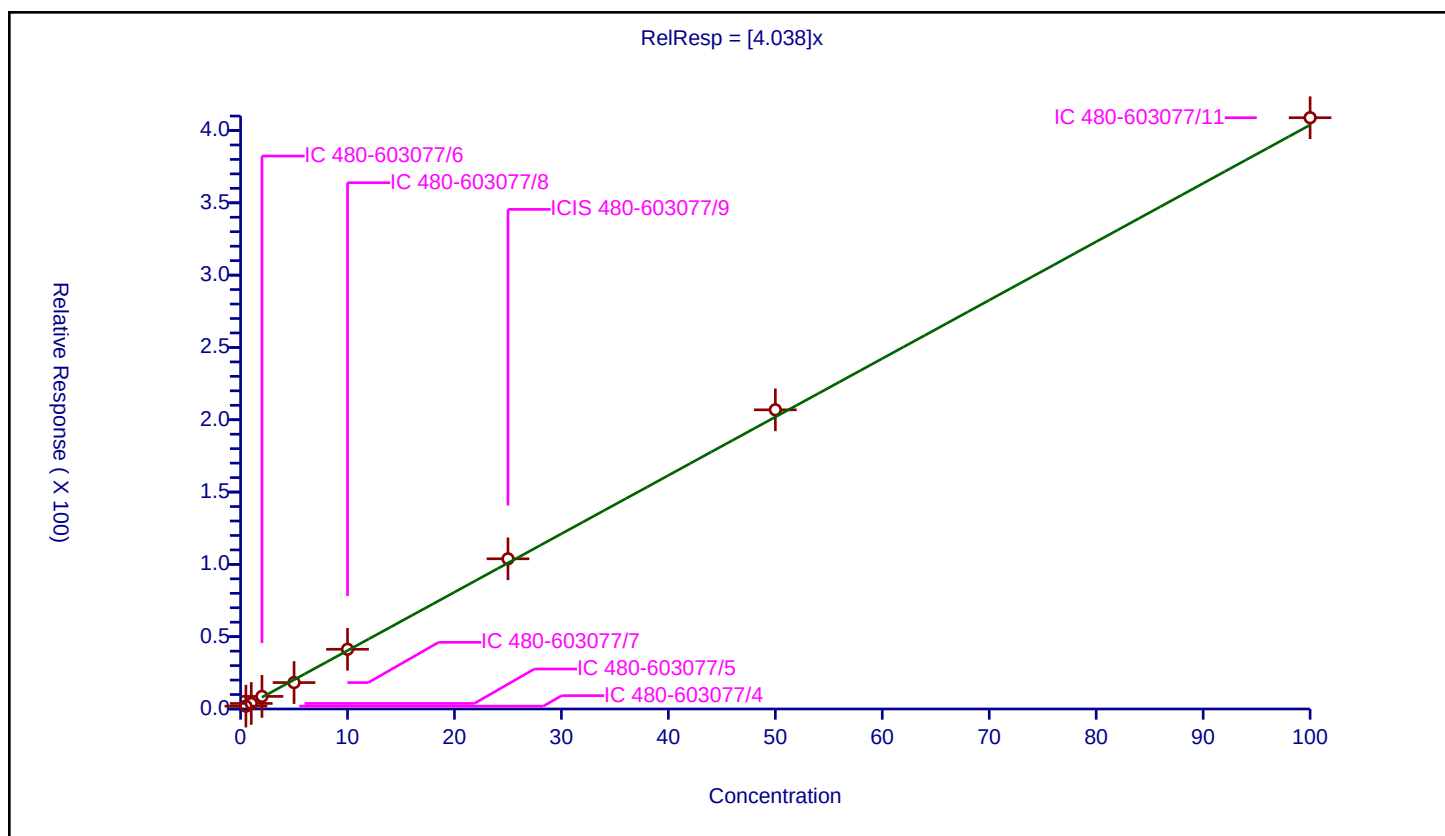
Curve Coefficients

Intercept: 0
 Slope: 4.038

Error Coefficients

Standard Error: 1280000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.97032	25.0	171330.0	3.940641	Y
2	IC 480-603077/5	1.0	3.850279	25.0	169215.0	3.850279	Y
3	IC 480-603077/6	2.0	8.707766	25.0	175599.0	4.353883	Y
4	IC 480-603077/7	5.0	18.26608	25.0	163586.0	3.653216	Y
5	IC 480-603077/8	10.0	41.297976	25.0	178085.0	4.129798	Y
6	ICIS 480-603077/9	25.0	103.849832	25.0	179339.0	4.153993	Y
7	IC 480-603077/10	50.0	206.871785	25.0	185454.0	4.137436	Y
8	IC 480-603077/11	100.0	408.821643	25.0	178558.0	4.088216	Y



Calibration

/ Trichloroethene

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

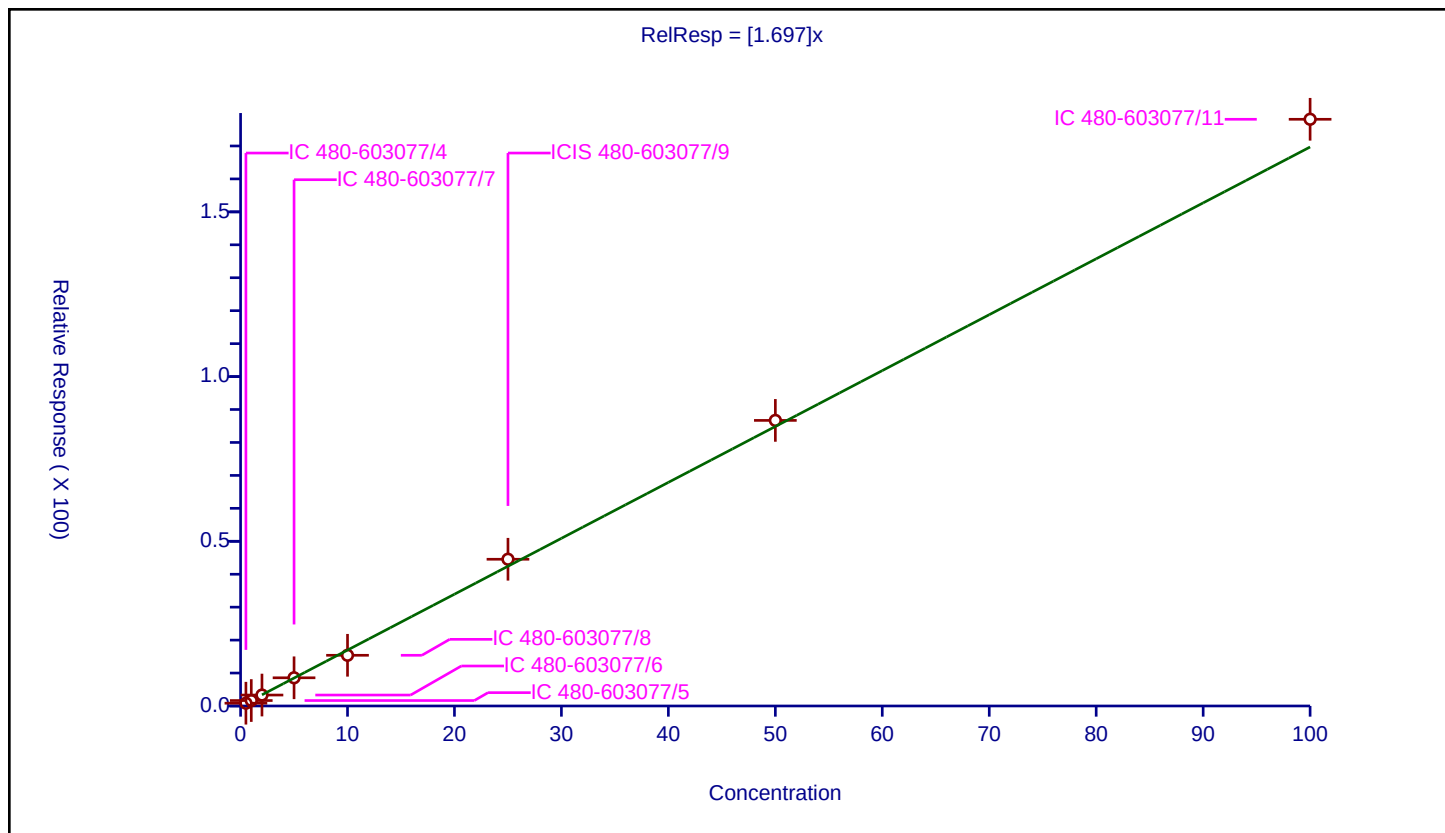
Curve Coefficients

Intercept: 0
 Slope: 1.697

Error Coefficients

Standard Error: 554000
 Relative Standard Error: 4.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.853762	25.0	171330.0	1.707523	Y
2	IC 480-603077/5	1.0	1.657654	25.0	169215.0	1.657654	Y
3	IC 480-603077/6	2.0	3.322342	25.0	175599.0	1.661171	Y
4	IC 480-603077/7	5.0	8.56415	25.0	163586.0	1.71283	Y
5	IC 480-603077/8	10.0	15.389702	25.0	178085.0	1.53897	Y
6	ICIS 480-603077/9	25.0	44.549568	25.0	179339.0	1.781983	Y
7	IC 480-603077/10	50.0	86.691848	25.0	185454.0	1.733837	Y
8	IC 480-603077/11	100.0	178.106834	25.0	178558.0	1.781068	Y



Calibration

/ Methylcyclohexane

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

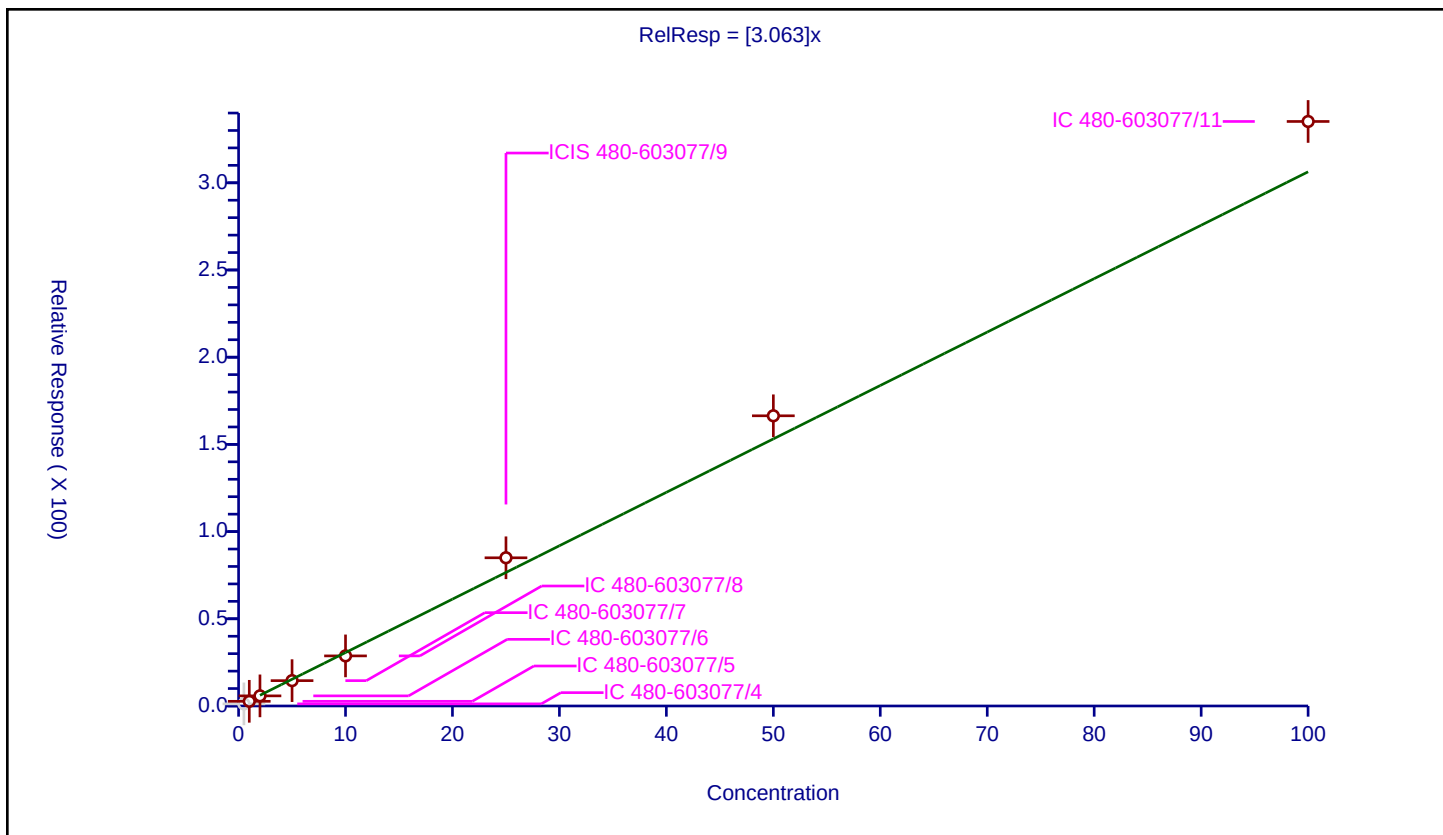
Curve Coefficients

Intercept: 0
 Slope: 3.063

Error Coefficients

Standard Error: 1130000
 Relative Standard Error: 9.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.215199	25.0	171330.0	2.430397	N
2	IC 480-603077/5	1.0	2.681352	25.0	169215.0	2.681352	Y
3	IC 480-603077/6	2.0	5.803279	25.0	175599.0	2.90164	Y
4	IC 480-603077/7	5.0	14.529972	25.0	163586.0	2.905994	Y
5	IC 480-603077/8	10.0	28.724766	25.0	178085.0	2.872477	Y
6	ICIS 480-603077/9	25.0	84.990158	25.0	179339.0	3.399606	Y
7	IC 480-603077/10	50.0	166.39207	25.0	185454.0	3.327841	Y
8	IC 480-603077/11	100.0	335.159444	25.0	178558.0	3.351594	Y



Calibration

/ 1,2-Dichloropropane

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

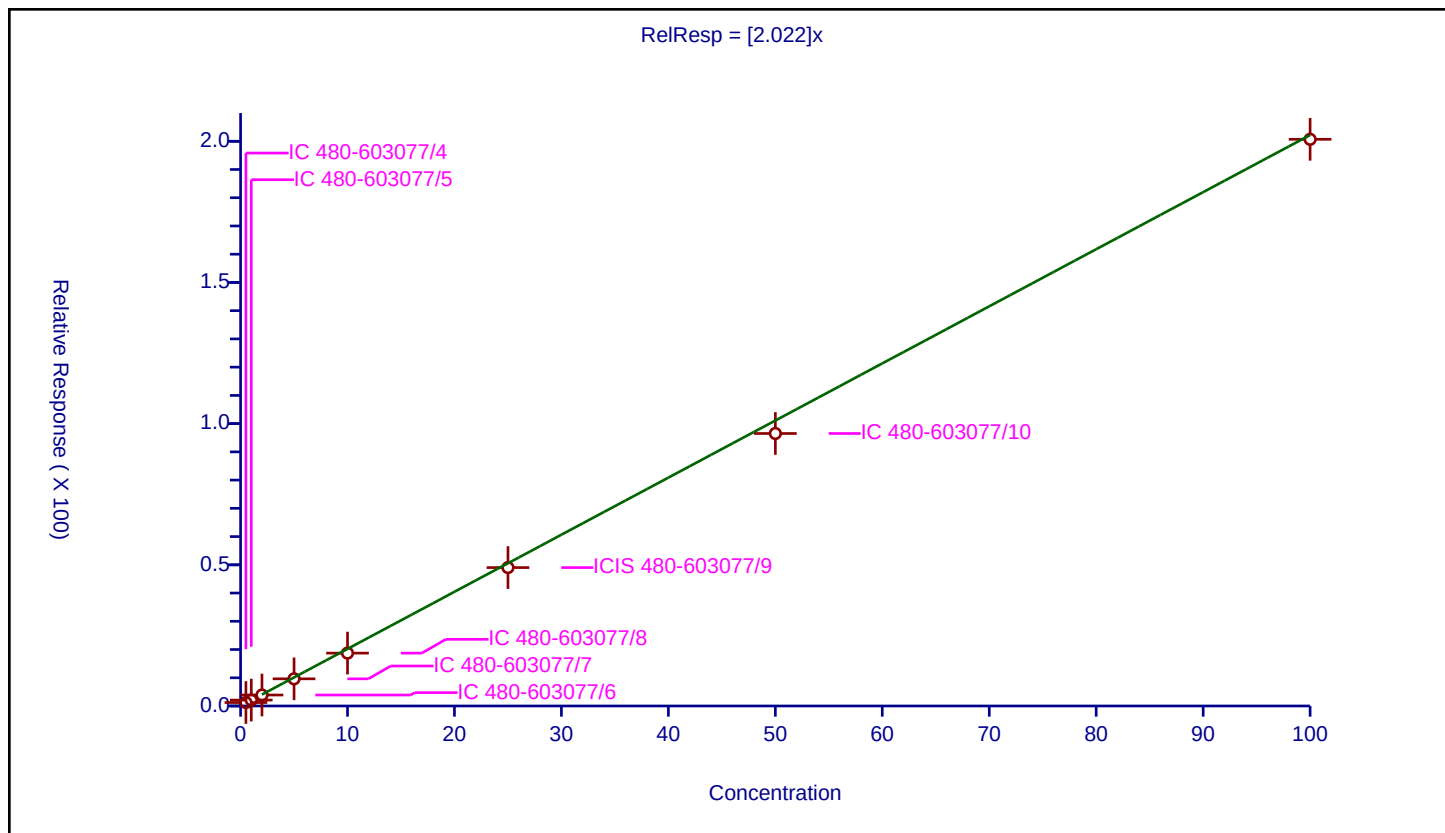
Curve Coefficients

Intercept: 0
 Slope: 2.022

Error Coefficients

Standard Error: 623000
 Relative Standard Error: 9.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.222495	25.0	171330.0	2.444989	Y
2	IC 480-603077/5	1.0	2.095559	25.0	169215.0	2.095559	Y
3	IC 480-603077/6	2.0	3.882141	25.0	175599.0	1.94107	Y
4	IC 480-603077/7	5.0	9.616349	25.0	163586.0	1.92327	Y
5	IC 480-603077/8	10.0	18.734172	25.0	178085.0	1.873417	Y
6	ICIS 480-603077/9	25.0	49.02057	25.0	179339.0	1.960823	Y
7	IC 480-603077/10	50.0	96.499536	25.0	185454.0	1.929991	Y
8	IC 480-603077/11	100.0	200.688852	25.0	178558.0	2.006889	Y



Calibration

/ Dibromomethane

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

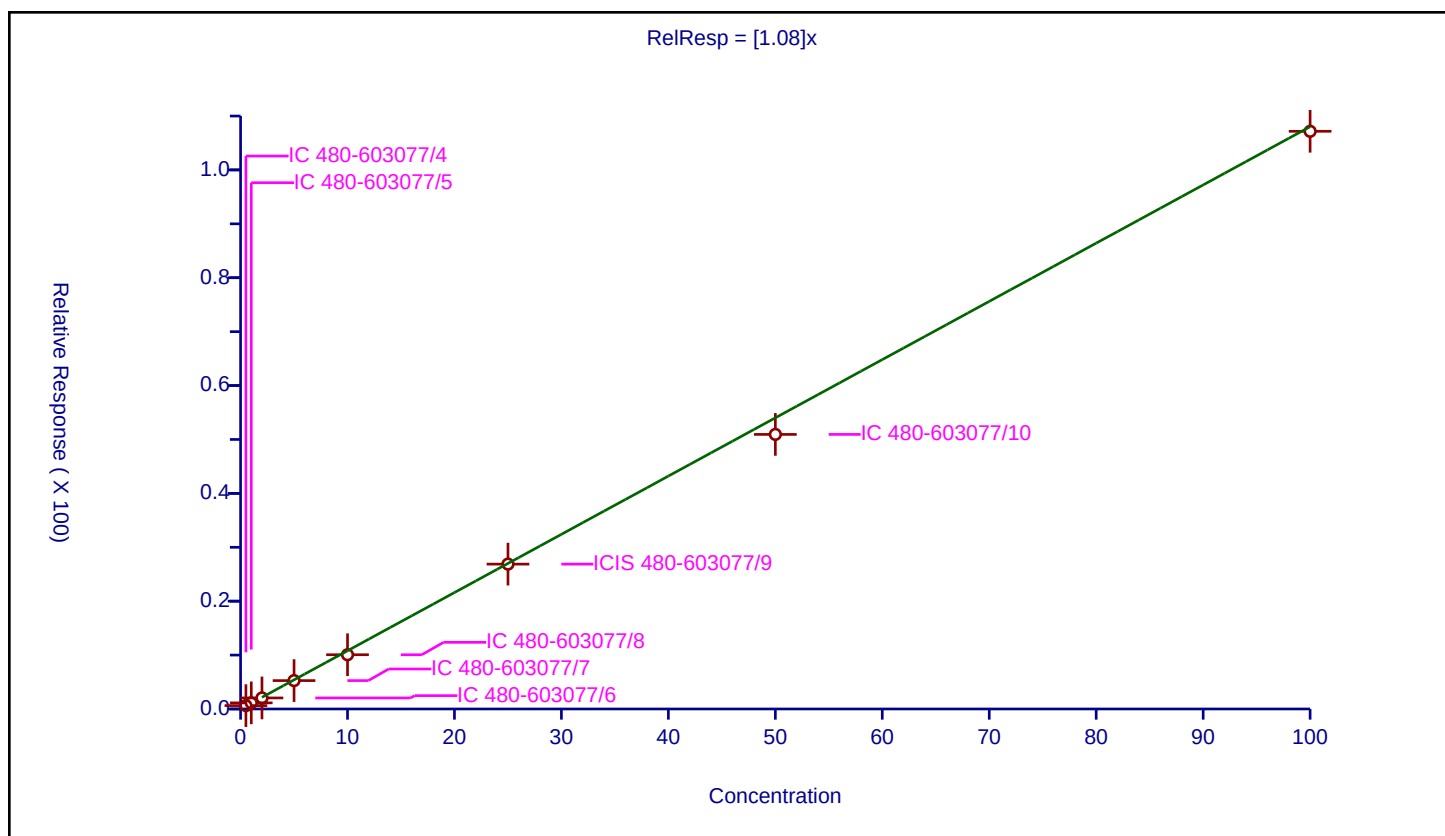
Curve Coefficients

Intercept: 0
Slope: 1.08

Error Coefficients

Standard Error: 332000
Relative Standard Error: 7.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.62686	25.0	171330.0	1.253721	Y
2	IC 480-603077/5	1.0	1.136572	25.0	169215.0	1.136572	Y
3	IC 480-603077/6	2.0	2.052261	25.0	175599.0	1.026131	Y
4	IC 480-603077/7	5.0	5.266343	25.0	163586.0	1.053269	Y
5	IC 480-603077/8	10.0	10.064155	25.0	178085.0	1.006415	Y
6	ICIS 480-603077/9	25.0	26.877729	25.0	179339.0	1.075109	Y
7	IC 480-603077/10	50.0	50.937968	25.0	185454.0	1.018759	Y
8	IC 480-603077/11	100.0	107.165599	25.0	178558.0	1.071656	Y



Calibration

/ 1,4-Dioxane

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

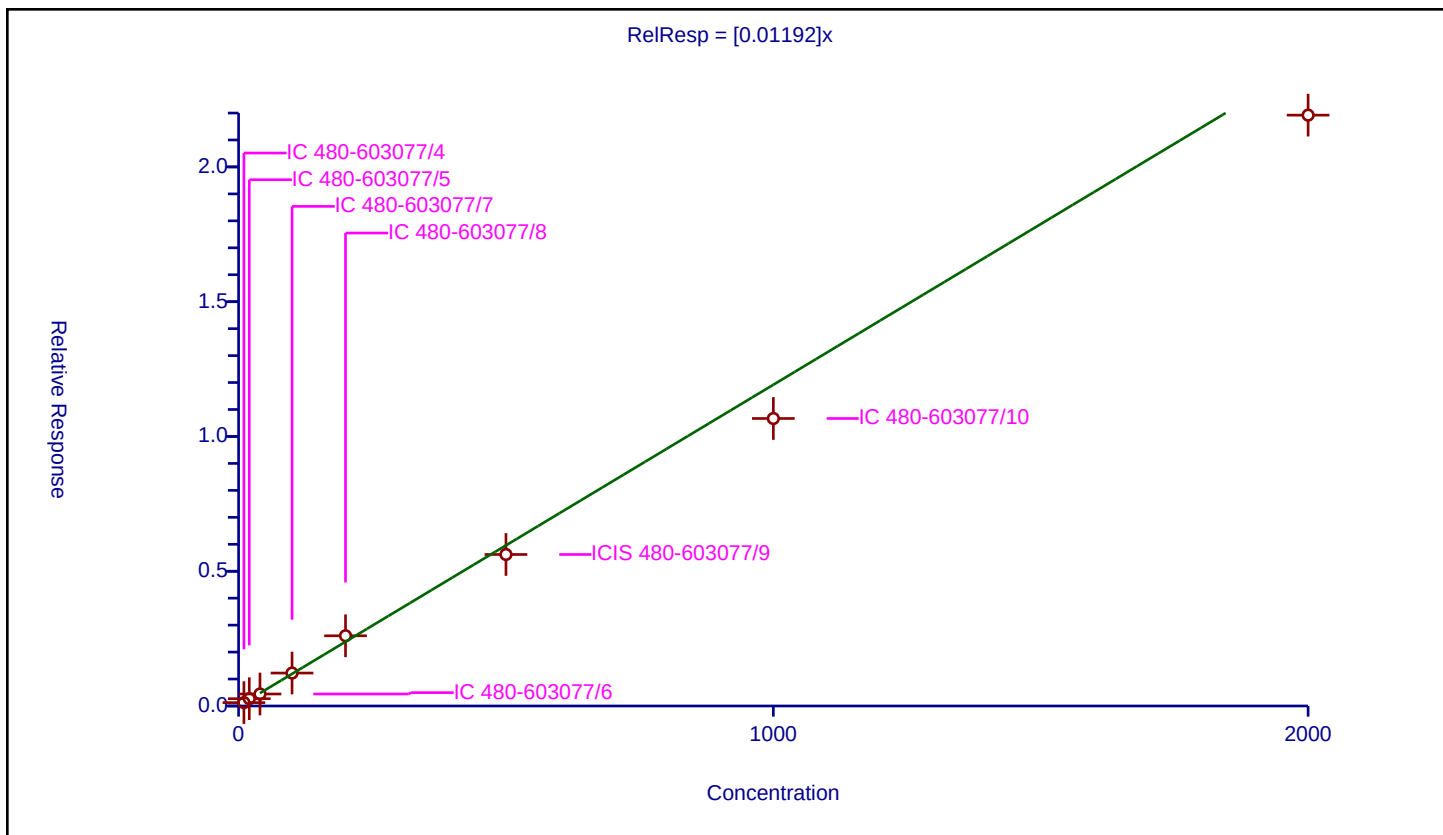
Curve Coefficients

Intercept: 0
 Slope: 0.01192

Error Coefficients

Standard Error: 141000
 Relative Standard Error: 8.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	10.0	0.12579	25.0	364496.0	0.012579	Y
2	IC 480-603077/5	20.0	0.270827	25.0	341823.0	0.013541	Y
3	IC 480-603077/6	40.0	0.444897	25.0	365253.0	0.011122	Y
4	IC 480-603077/7	100.0	1.222044	25.0	321081.0	0.01222	Y
5	IC 480-603077/8	200.0	2.604661	25.0	379032.0	0.013023	Y
6	ICIS 480-603077/9	500.0	5.621246	25.0	359302.0	0.011242	Y
7	IC 480-603077/10	1000.0	10.666331	25.0	375879.0	0.010666	Y
8	IC 480-603077/11	2000.0	21.921363	25.0	368832.0	0.010961	Y



Calibration

/ Dichlorobromomethane

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

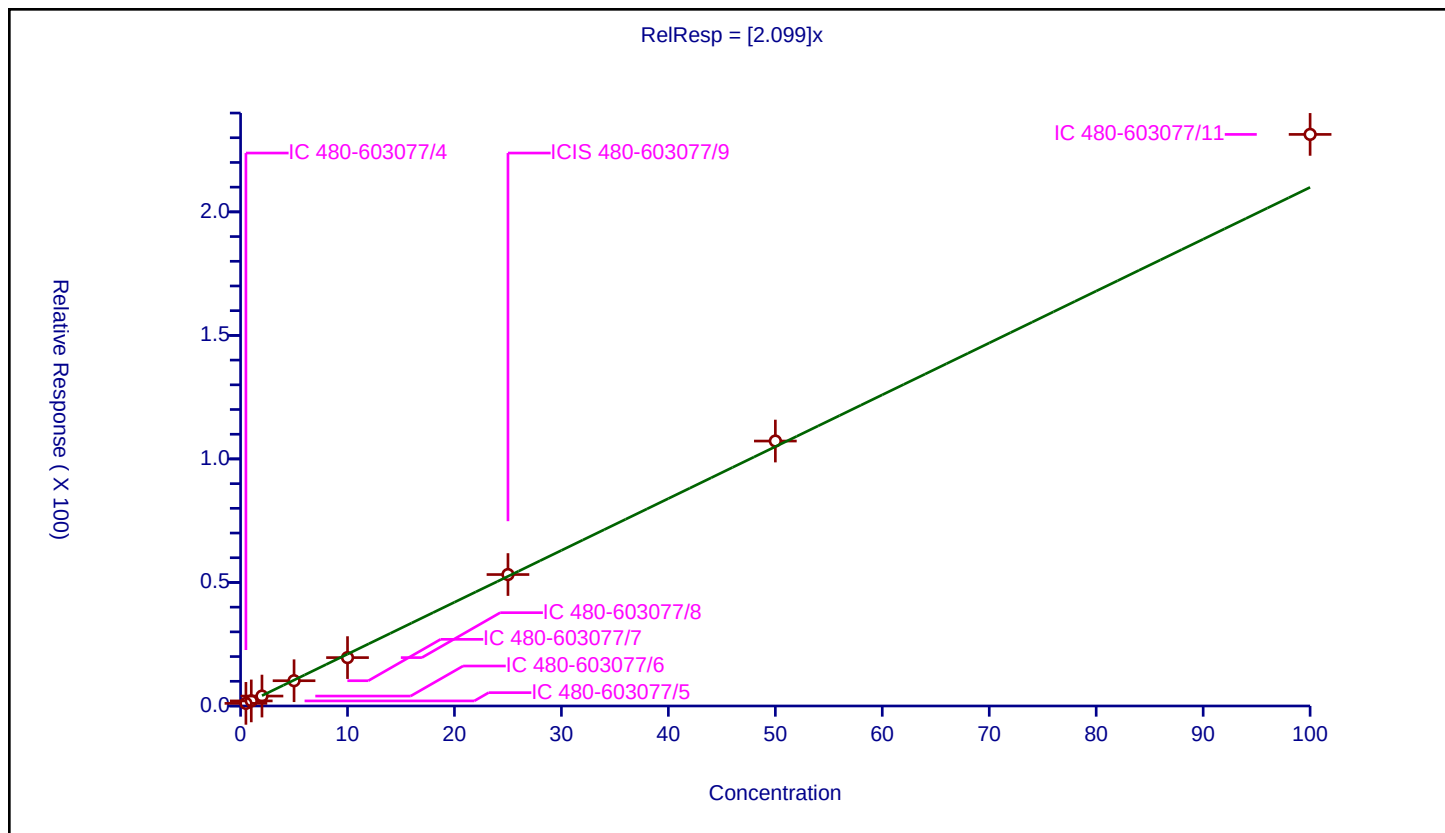
Curve Coefficients

Intercept: 0
 Slope: 2.099

Error Coefficients

Standard Error: 710000
 Relative Standard Error: 5.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.063445	25.0	171330.0	2.12689	Y
2	IC 480-603077/5	1.0	2.069113	25.0	169215.0	2.069113	Y
3	IC 480-603077/6	2.0	4.018531	25.0	175599.0	2.009265	Y
4	IC 480-603077/7	5.0	10.221382	25.0	163586.0	2.044276	Y
5	IC 480-603077/8	10.0	19.579555	25.0	178085.0	1.957955	Y
6	ICIS 480-603077/9	25.0	53.202594	25.0	179339.0	2.128104	Y
7	IC 480-603077/10	50.0	107.241958	25.0	185454.0	2.144839	Y
8	IC 480-603077/11	100.0	231.354378	25.0	178558.0	2.313544	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

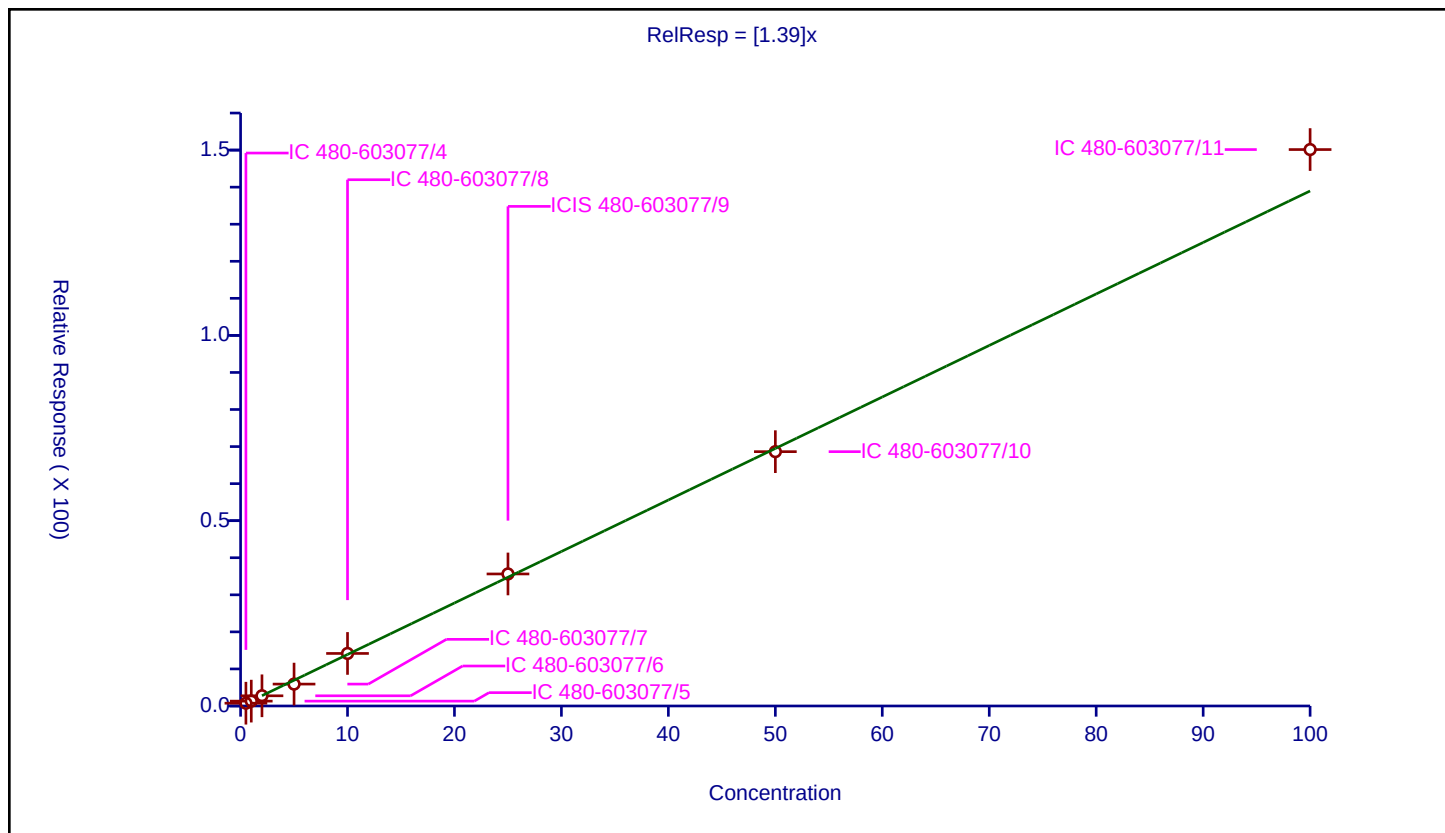
Curve Coefficients

Intercept: 0
Slope: 1.39

Error Coefficients

Standard Error: 461000
Relative Standard Error: 7.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.75877	25.0	171330.0	1.517539	Y
2	IC 480-603077/5	1.0	1.321248	25.0	169215.0	1.321248	Y
3	IC 480-603077/6	2.0	2.759839	25.0	175599.0	1.37992	Y
4	IC 480-603077/7	5.0	5.910653	25.0	163586.0	1.182131	Y
5	IC 480-603077/8	10.0	14.177359	25.0	178085.0	1.417736	Y
6	ICIS 480-603077/9	25.0	35.635166	25.0	179339.0	1.425407	Y
7	IC 480-603077/10	50.0	68.627261	25.0	185454.0	1.372545	Y
8	IC 480-603077/11	100.0	150.141411	25.0	178558.0	1.501414	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

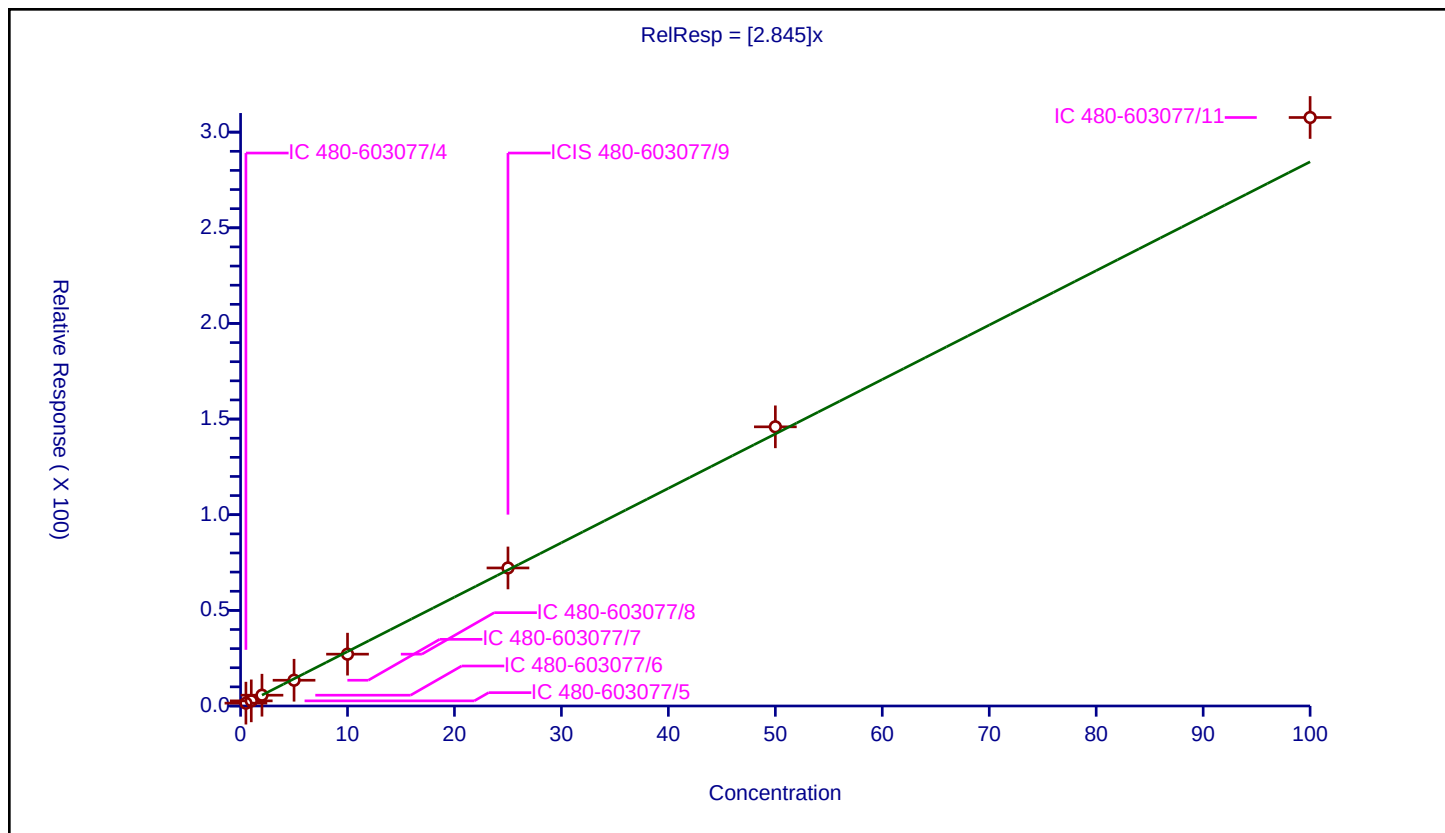
Curve Coefficients

Intercept: 0
Slope: 2.845

Error Coefficients

Standard Error: 950000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.484708	25.0	171330.0	2.969416	Y
2	IC 480-603077/5	1.0	2.685341	25.0	169215.0	2.685341	Y
3	IC 480-603077/6	2.0	5.639696	25.0	175599.0	2.819848	Y
4	IC 480-603077/7	5.0	13.472119	25.0	163586.0	2.694424	Y
5	IC 480-603077/8	10.0	27.092961	25.0	178085.0	2.709296	Y
6	ICIS 480-603077/9	25.0	72.159709	25.0	179339.0	2.886388	Y
7	IC 480-603077/10	50.0	145.957353	25.0	185454.0	2.919147	Y
8	IC 480-603077/11	100.0	307.653256	25.0	178558.0	3.076533	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

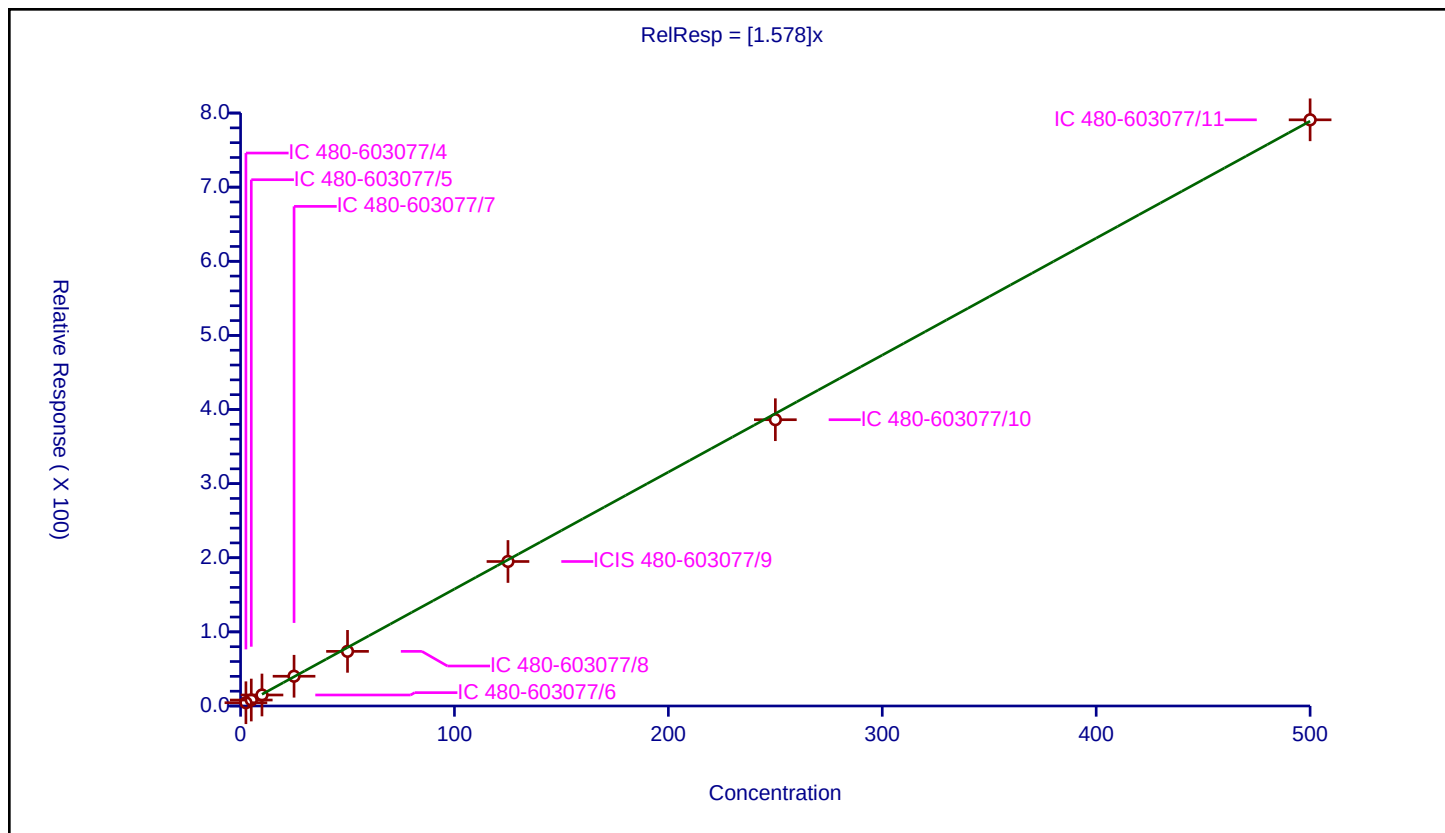
Curve Coefficients

Intercept: 0
 Slope: 1.578

Error Coefficients

Standard Error: 5060000
 Relative Standard Error: 5.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	2.5	4.411022	25.0	364496.0	1.764409	Y
2	IC 480-603077/5	5.0	8.039395	25.0	341823.0	1.607879	Y
3	IC 480-603077/6	10.0	14.842041	25.0	365253.0	1.484204	Y
4	IC 480-603077/7	25.0	40.184097	25.0	321081.0	1.607364	Y
5	IC 480-603077/8	50.0	73.709014	25.0	379032.0	1.47418	Y
6	ICIS 480-603077/9	125.0	194.969135	25.0	359302.0	1.559753	Y
7	IC 480-603077/10	250.0	386.258942	25.0	375879.0	1.545036	Y
8	IC 480-603077/11	500.0	790.840139	25.0	368832.0	1.58168	Y



Calibration

/ Toluene-d8 (Surr)

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

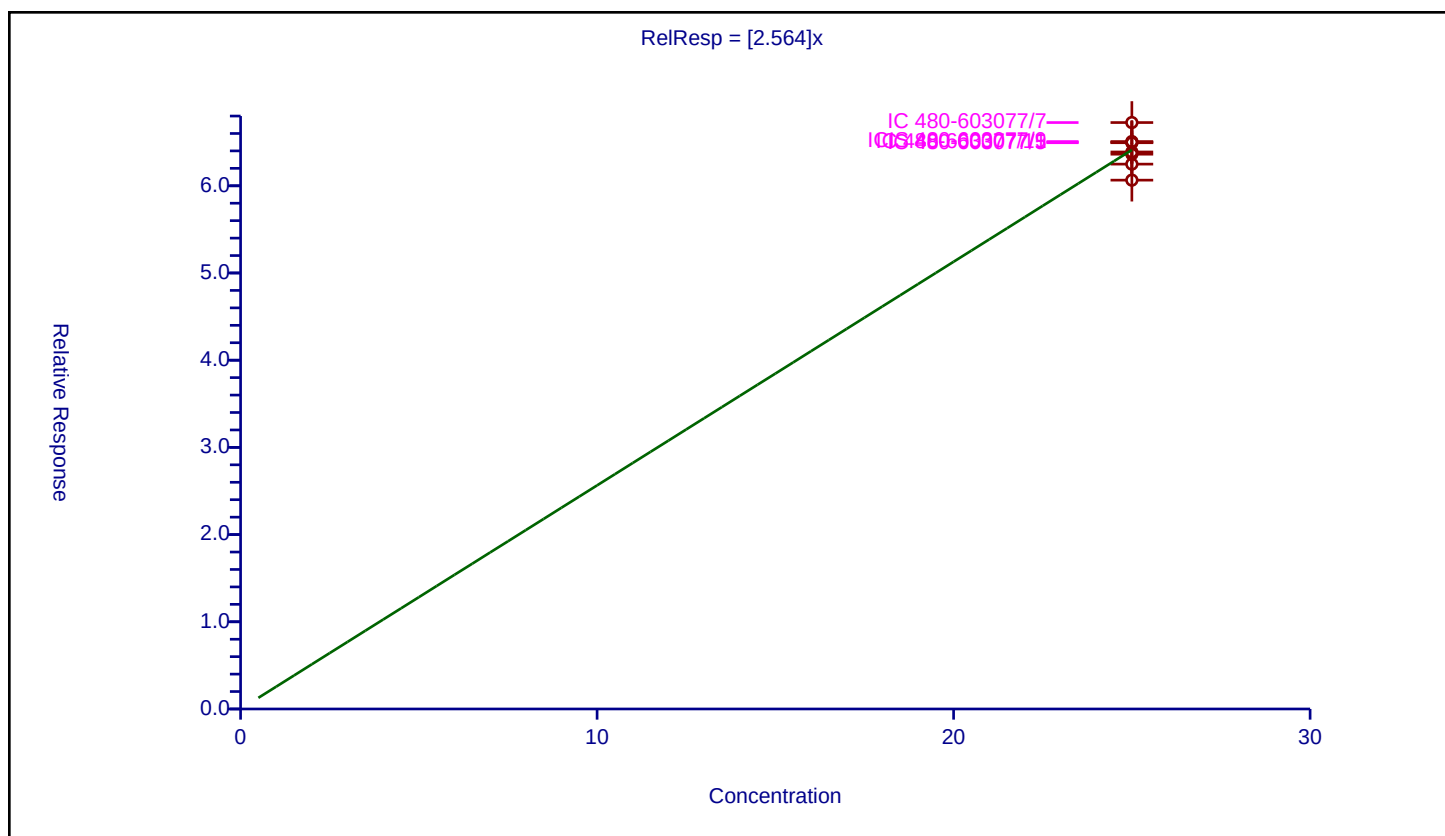
Curve Coefficients

Intercept: 0
 Slope: 2.564

Error Coefficients

Standard Error: 985000
 Relative Standard Error: 3.1
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	25.0	63.622989	25.0	364496.0	2.54492	Y
2	IC 480-603077/5	25.0	64.937555	25.0	341823.0	2.597502	Y
3	IC 480-603077/6	25.0	63.87682	25.0	365253.0	2.555073	Y
4	IC 480-603077/7	25.0	67.250164	25.0	321081.0	2.690007	Y
5	IC 480-603077/8	25.0	60.649497	25.0	379032.0	2.42598	Y
6	ICIS 480-603077/9	25.0	65.073114	25.0	359302.0	2.602925	Y
7	IC 480-603077/10	25.0	62.486665	25.0	375879.0	2.499467	Y
8	IC 480-603077/11	25.0	64.984261	25.0	368832.0	2.59937	Y



Calibration

/ Toluene

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

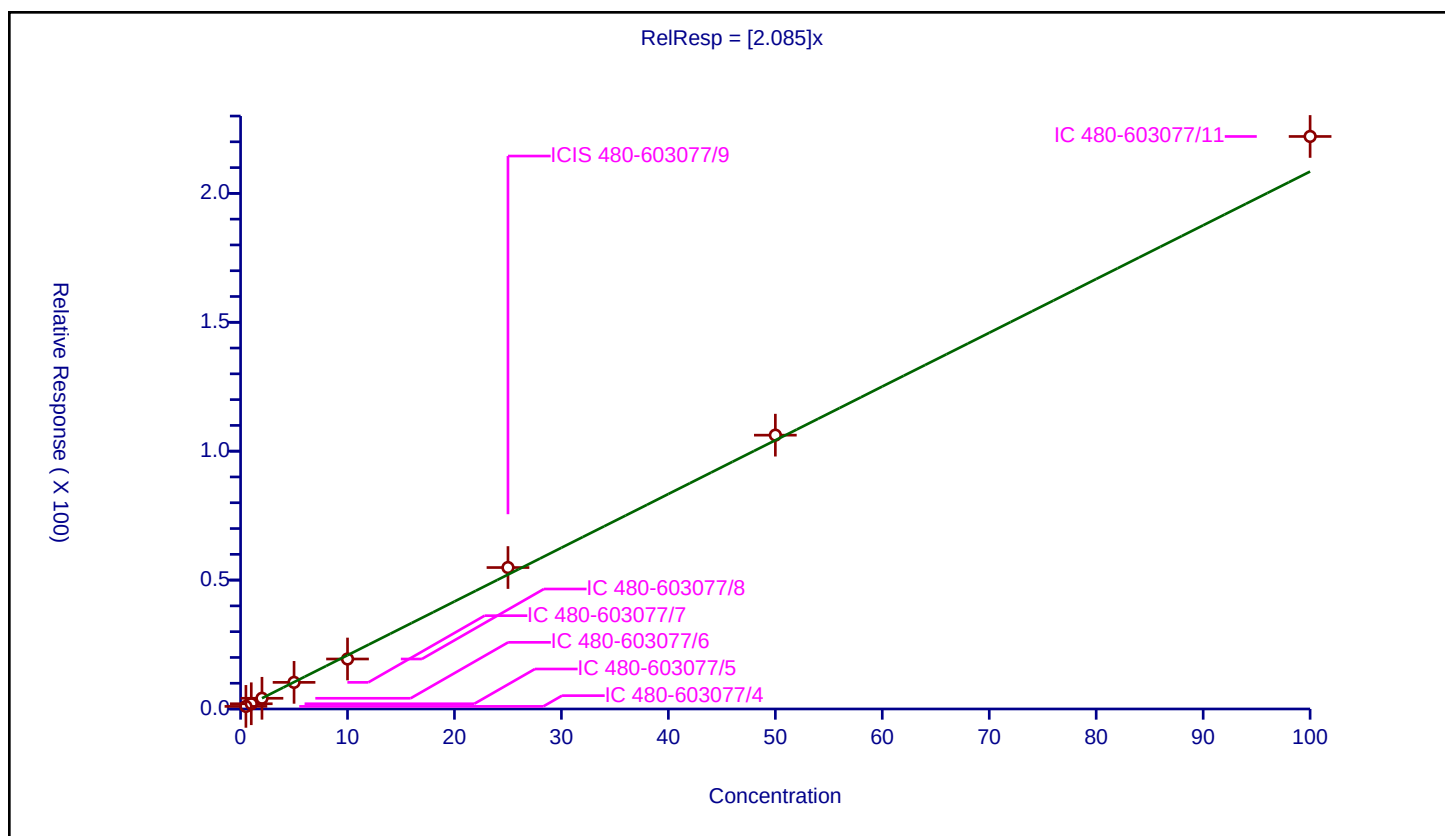
Curve Coefficients

Intercept: 0
 Slope: 2.085

Error Coefficients

Standard Error: 1410000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.011191	25.0	364496.0	2.022382	Y
2	IC 480-603077/5	1.0	2.032192	25.0	341823.0	2.032192	Y
3	IC 480-603077/6	2.0	4.156434	25.0	365253.0	2.078217	Y
4	IC 480-603077/7	5.0	10.331817	25.0	321081.0	2.066363	Y
5	IC 480-603077/8	10.0	19.388139	25.0	379032.0	1.938814	Y
6	ICIS 480-603077/9	25.0	54.86304	25.0	359302.0	2.194522	Y
7	IC 480-603077/10	50.0	106.217027	25.0	375879.0	2.124341	Y
8	IC 480-603077/11	100.0	222.080175	25.0	368832.0	2.220802	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

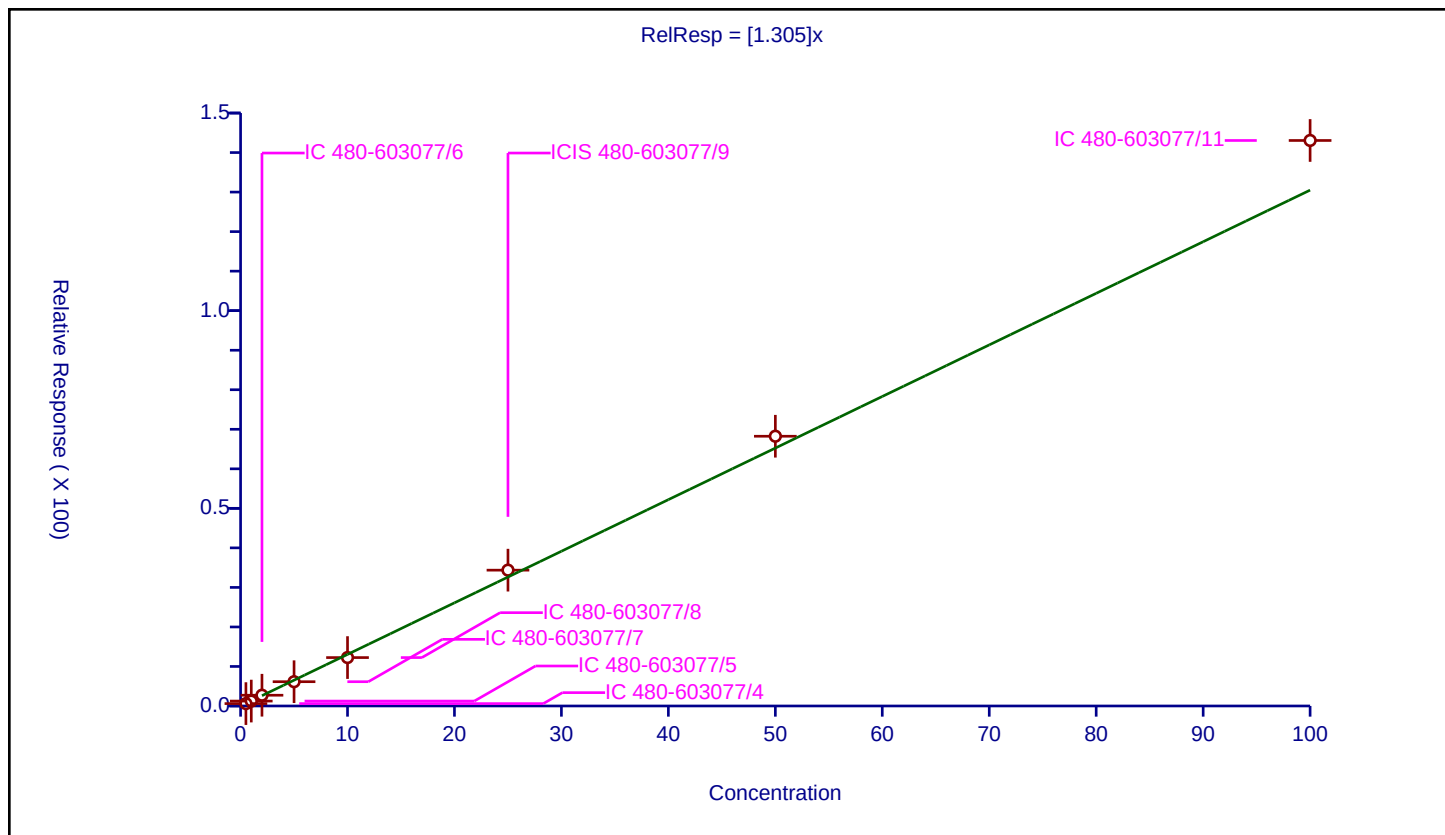
Curve Coefficients

Intercept: 0
 Slope: 1.305

Error Coefficients

Standard Error: 910000
 Relative Standard Error: 6.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.605013	25.0	364496.0	1.210027	Y
2	IC 480-603077/5	1.0	1.244284	25.0	341823.0	1.244284	Y
3	IC 480-603077/6	2.0	2.723455	25.0	365253.0	1.361727	Y
4	IC 480-603077/7	5.0	6.141052	25.0	321081.0	1.22821	Y
5	IC 480-603077/8	10.0	12.251802	25.0	379032.0	1.22518	Y
6	ICIS 480-603077/9	25.0	34.365589	25.0	359302.0	1.374624	Y
7	IC 480-603077/10	50.0	68.245699	25.0	375879.0	1.364914	Y
8	IC 480-603077/11	100.0	143.06012	25.0	368832.0	1.430601	Y



Calibration

/ Ethyl methacrylate

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

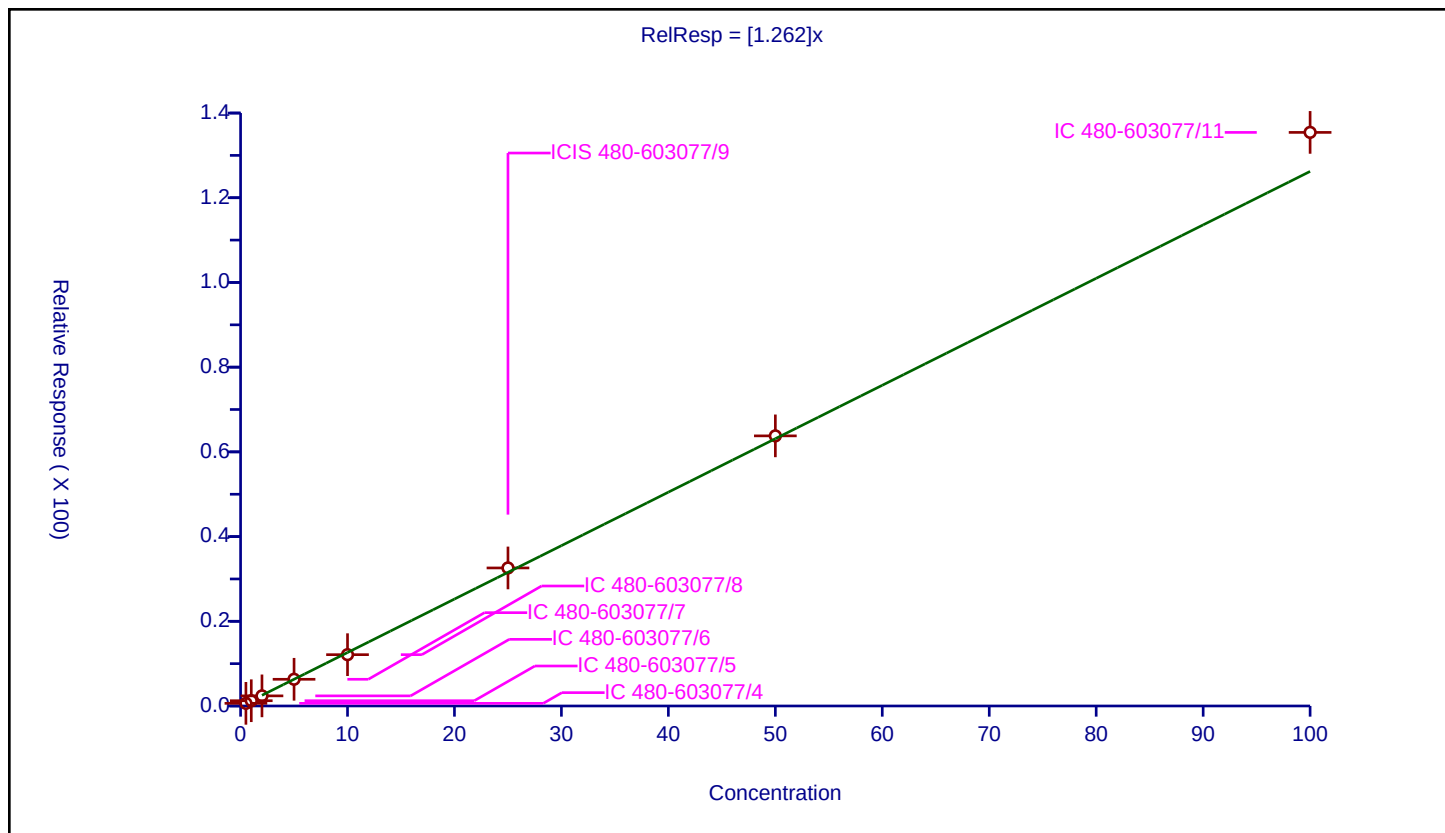
Curve Coefficients

Intercept: 0
 Slope: 1.262

Error Coefficients

Standard Error: 860000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.627442	25.0	364496.0	1.254883	Y
2	IC 480-603077/5	1.0	1.241359	25.0	341823.0	1.241359	Y
3	IC 480-603077/6	2.0	2.387386	25.0	365253.0	1.193693	Y
4	IC 480-603077/7	5.0	6.309078	25.0	321081.0	1.261816	Y
5	IC 480-603077/8	10.0	12.116061	25.0	379032.0	1.211606	Y
6	ICIS 480-603077/9	25.0	32.593264	25.0	359302.0	1.303731	Y
7	IC 480-603077/10	50.0	63.776907	25.0	375879.0	1.275538	Y
8	IC 480-603077/11	100.0	135.431782	25.0	368832.0	1.354318	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

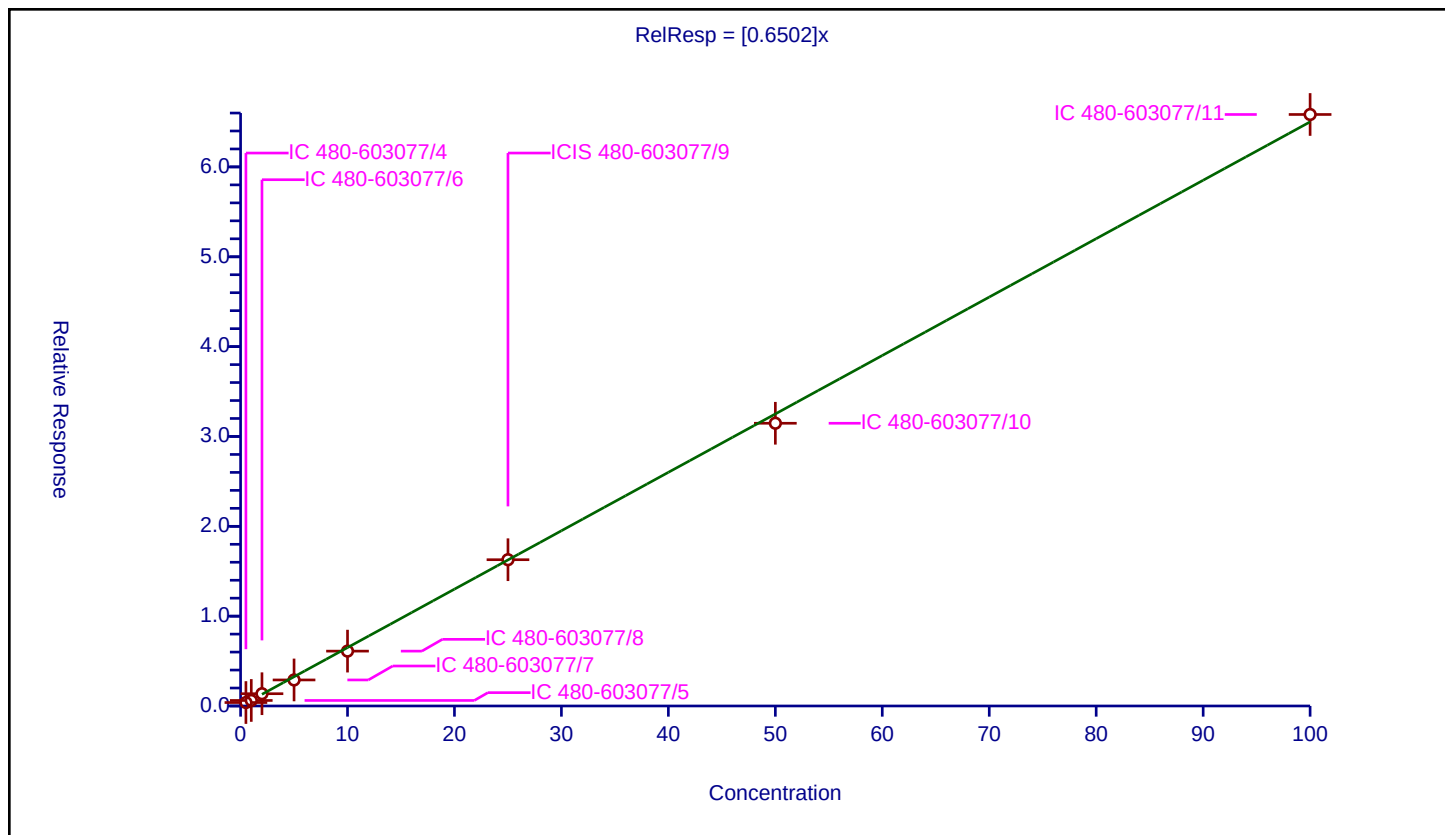
Curve Coefficients

Intercept: 0
 Slope: 0.6502

Error Coefficients

Standard Error: 420000
 Relative Standard Error: 9.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.386973	25.0	364496.0	0.773945	Y
2	IC 480-603077/5	1.0	0.614865	25.0	341823.0	0.614865	Y
3	IC 480-603077/6	2.0	1.366245	25.0	365253.0	0.683122	Y
4	IC 480-603077/7	5.0	2.897789	25.0	321081.0	0.579558	Y
5	IC 480-603077/8	10.0	6.109379	25.0	379032.0	0.610938	Y
6	ICIS 480-603077/9	25.0	16.281707	25.0	359302.0	0.651268	Y
7	IC 480-603077/10	50.0	31.472961	25.0	375879.0	0.629459	Y
8	IC 480-603077/11	100.0	65.835394	25.0	368832.0	0.658354	Y



Calibration

/ Tetrachloroethene

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

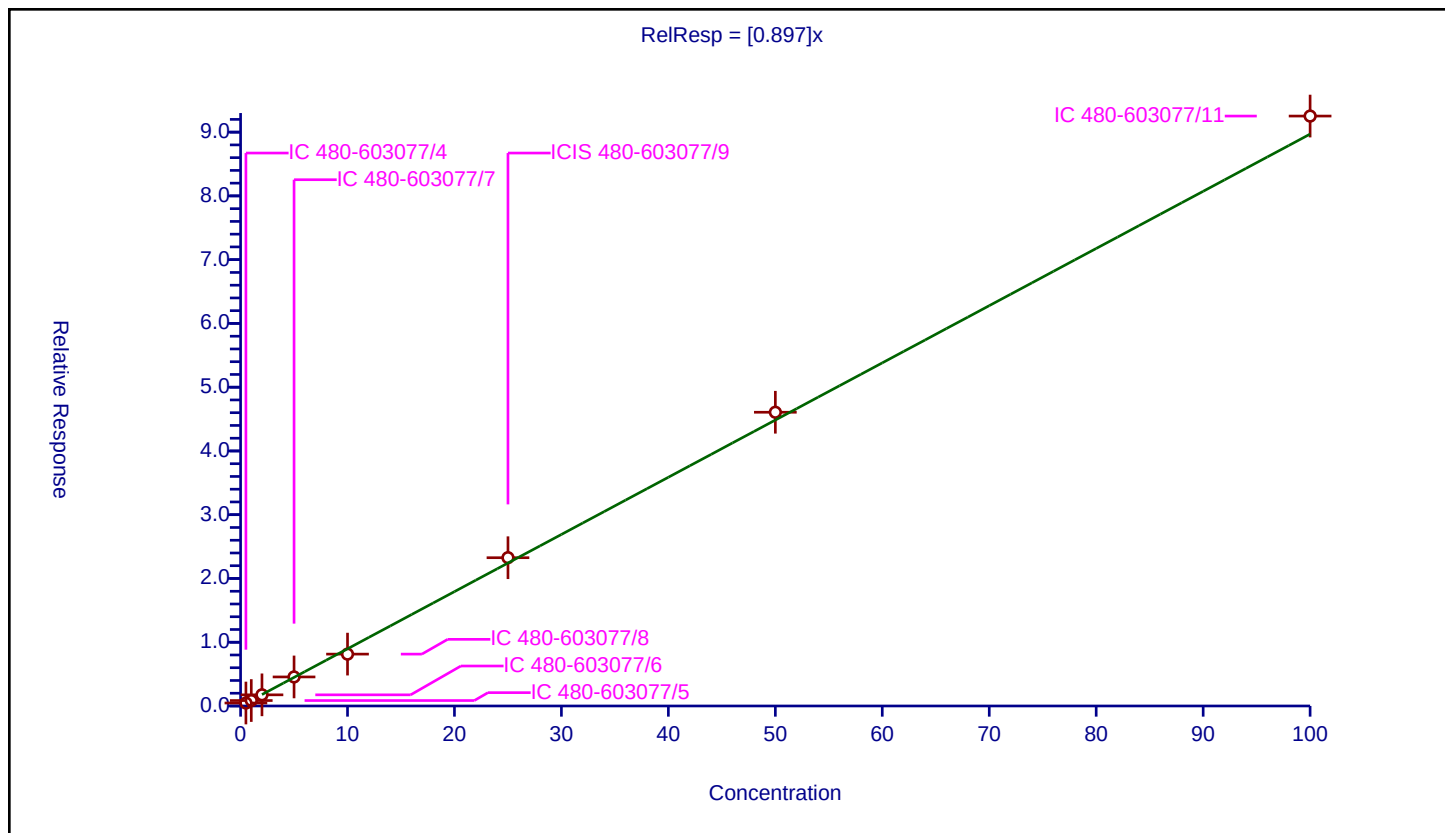
Curve Coefficients

Intercept: 0
 Slope: 0.897

Error Coefficients

Standard Error: 595000
 Relative Standard Error: 4.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.468112	25.0	364496.0	0.936224	Y
2	IC 480-603077/5	1.0	0.860972	25.0	341823.0	0.860972	Y
3	IC 480-603077/6	2.0	1.752963	25.0	365253.0	0.876482	Y
4	IC 480-603077/7	5.0	4.556794	25.0	321081.0	0.911359	Y
5	IC 480-603077/8	10.0	8.134735	25.0	379032.0	0.813474	Y
6	ICIS 480-603077/9	25.0	23.260516	25.0	359302.0	0.930421	Y
7	IC 480-603077/10	50.0	46.07234	25.0	375879.0	0.921447	Y
8	IC 480-603077/11	100.0	92.522883	25.0	368832.0	0.925229	Y



Calibration

/ 1,3-Dichloropropane

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

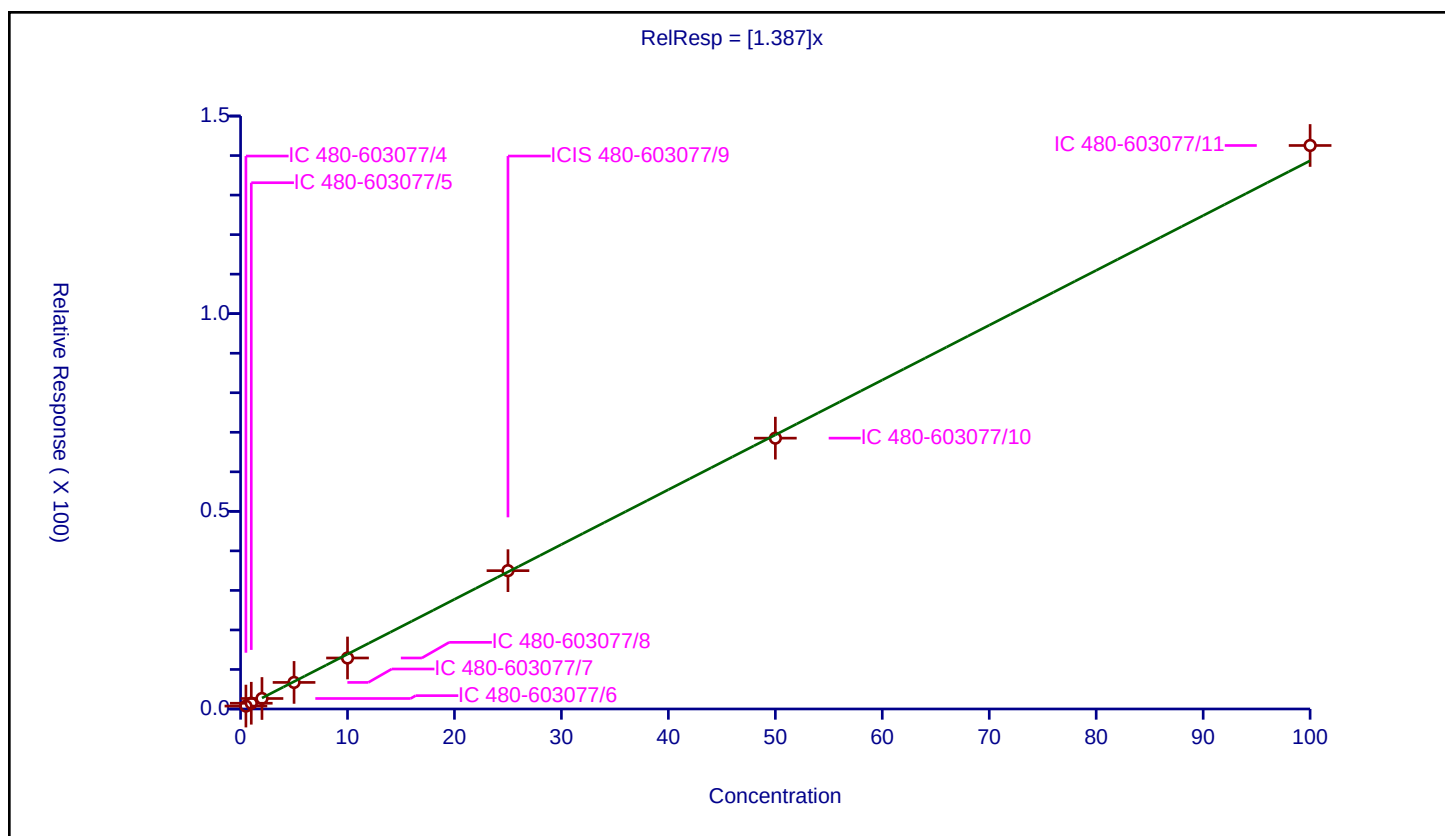
Curve Coefficients

Intercept: 0
 Slope: 1.387

Error Coefficients

Standard Error: 909000
 Relative Standard Error: 4.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.740955	25.0	364496.0	1.481909	Y
2	IC 480-603077/5	1.0	1.457187	25.0	341823.0	1.457187	Y
3	IC 480-603077/6	2.0	2.651792	25.0	365253.0	1.325896	Y
4	IC 480-603077/7	5.0	6.723848	25.0	321081.0	1.34477	Y
5	IC 480-603077/8	10.0	12.901813	25.0	379032.0	1.290181	Y
6	ICIS 480-603077/9	25.0	34.996257	25.0	359302.0	1.39985	Y
7	IC 480-603077/10	50.0	68.512872	25.0	375879.0	1.370257	Y
8	IC 480-603077/11	100.0	142.549521	25.0	368832.0	1.425495	Y



Calibration

/ 2-Hexanone

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

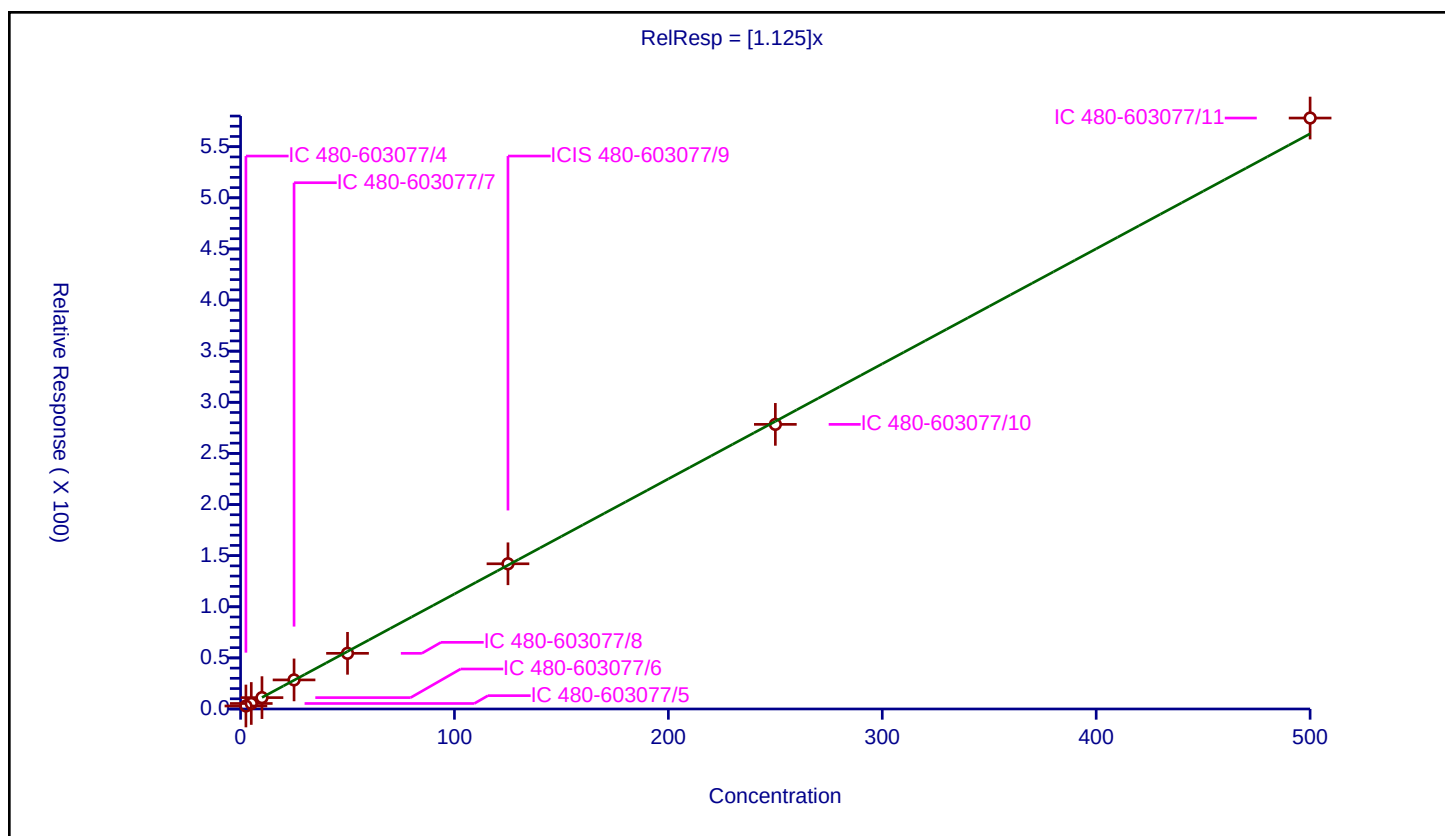
Curve Coefficients

Intercept: 0
 Slope: 1.125

Error Coefficients

Standard Error: 3690000
 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 480-603077/4	2.5	2.955108	25.0	364496.0	1.182043	Y
2	IC 480-603077/5	5.0	5.381586	25.0	341823.0	1.076317	Y
3	IC 480-603077/6	10.0	11.120237	25.0	365253.0	1.112024	Y
4	IC 480-603077/7	25.0	28.450609	25.0	321081.0	1.138024	Y
5	IC 480-603077/8	50.0	54.451405	25.0	379032.0	1.089028	Y
6	ICIS 480-603077/9	125.0	142.024467	25.0	359302.0	1.136196	Y
7	IC 480-603077/10	250.0	278.388391	25.0	375879.0	1.113554	Y
8	IC 480-603077/11	500.0	578.045018	25.0	368832.0	1.15609	Y



Calibration

/ Chlorodibromomethane

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

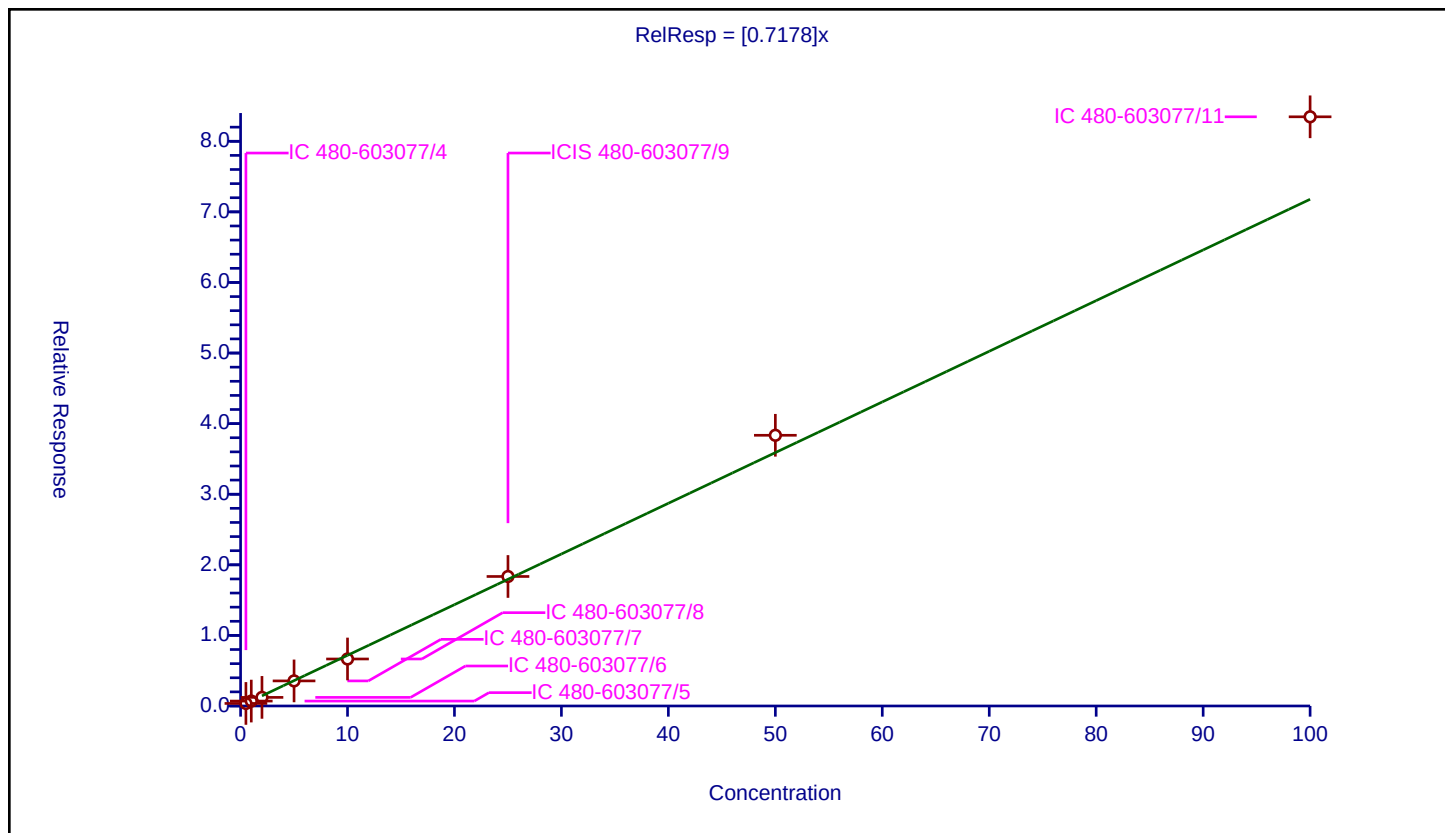
Curve Coefficients

Intercept: 0
 Slope: 0.7178

Error Coefficients

Standard Error: 525000
 Relative Standard Error: 9.3
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.361732	25.0	364496.0	0.723465	Y
2	IC 480-603077/5	1.0	0.698022	25.0	341823.0	0.698022	Y
3	IC 480-603077/6	2.0	1.21936	25.0	365253.0	0.60968	Y
4	IC 480-603077/7	5.0	3.553075	25.0	321081.0	0.710615	Y
5	IC 480-603077/8	10.0	6.656364	25.0	379032.0	0.665636	Y
6	ICIS 480-603077/9	25.0	18.344178	25.0	359302.0	0.733767	Y
7	IC 480-603077/10	50.0	38.346516	25.0	375879.0	0.76693	Y
8	IC 480-603077/11	100.0	83.463745	25.0	368832.0	0.834637	Y



Calibration

/ Ethylene Dibromide

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

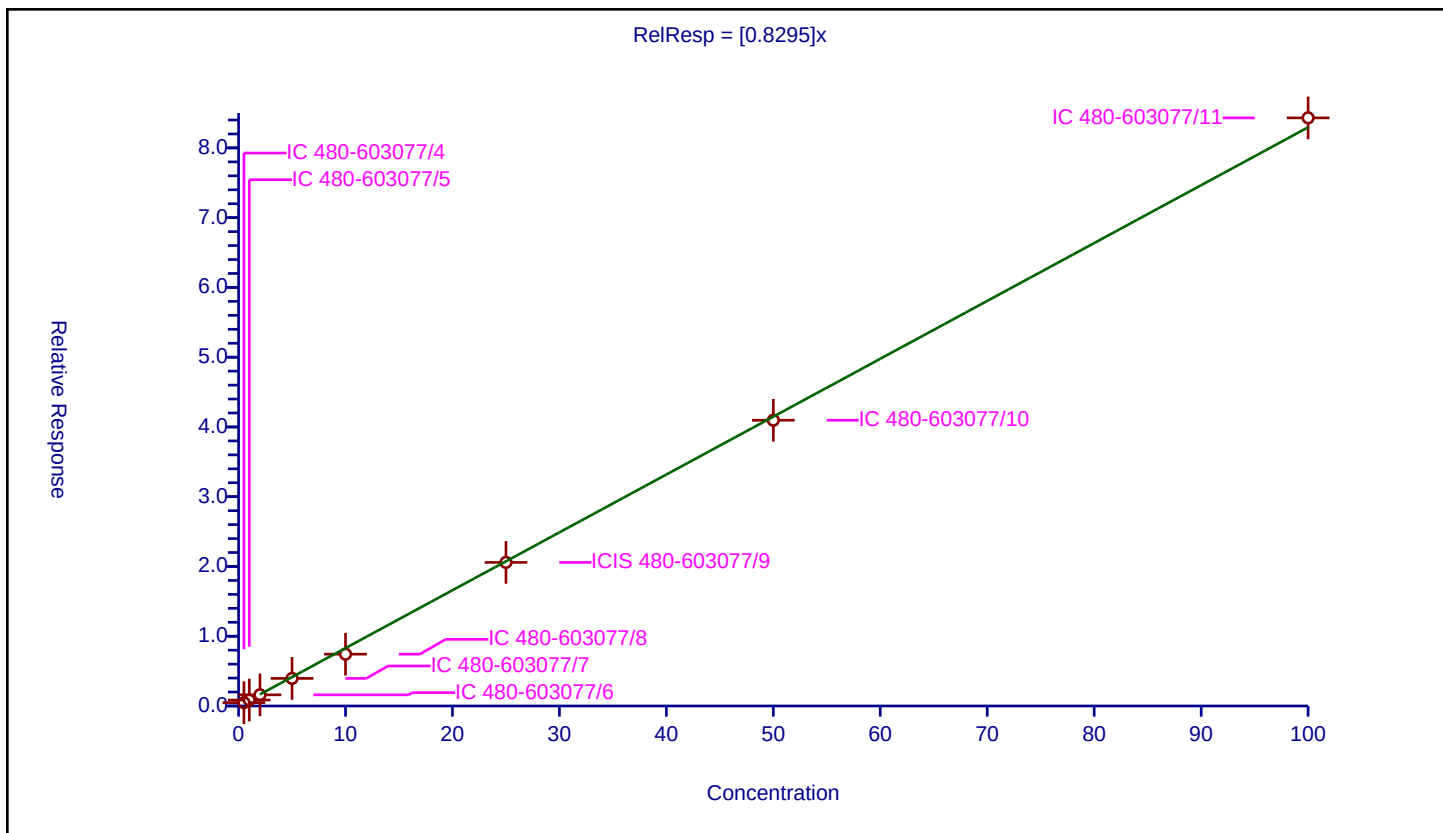
Curve Coefficients

Intercept: 0
 Slope: 0.8295

Error Coefficients

Standard Error: 538000
 Relative Standard Error: 7.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.480321	25.0	364496.0	0.960642	Y
2	IC 480-603077/5	1.0	0.854024	25.0	341823.0	0.854024	Y
3	IC 480-603077/6	2.0	1.603478	25.0	365253.0	0.801739	Y
4	IC 480-603077/7	5.0	3.954921	25.0	321081.0	0.790984	Y
5	IC 480-603077/8	10.0	7.430705	25.0	379032.0	0.743071	Y
6	ICIS 480-603077/9	25.0	20.581224	25.0	359302.0	0.823249	Y
7	IC 480-603077/10	50.0	40.962783	25.0	375879.0	0.819256	Y
8	IC 480-603077/11	100.0	84.307422	25.0	368832.0	0.843074	Y



Calibration

/ Chlorobenzene

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

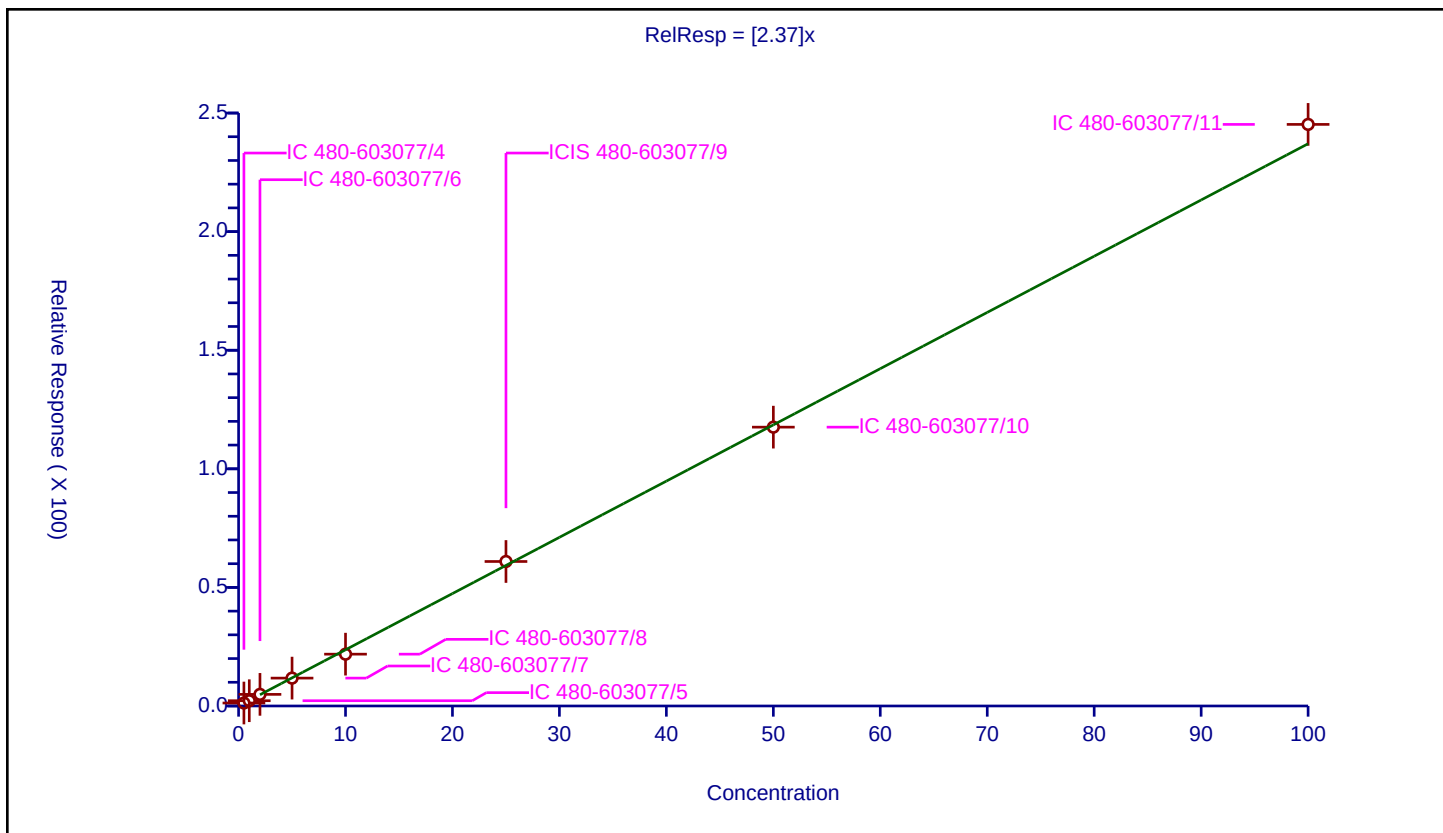
Curve Coefficients

Intercept: 0
 Slope: 2.37

Error Coefficients

Standard Error: 1560000
 Relative Standard Error: 4.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.256804	25.0	364496.0	2.513608	Y
2	IC 480-603077/5	1.0	2.225567	25.0	341823.0	2.225567	Y
3	IC 480-603077/6	2.0	4.898454	25.0	365253.0	2.449227	Y
4	IC 480-603077/7	5.0	11.751863	25.0	321081.0	2.350373	Y
5	IC 480-603077/8	10.0	21.846506	25.0	379032.0	2.184651	Y
6	ICIS 480-603077/9	25.0	60.930916	25.0	359302.0	2.437237	Y
7	IC 480-603077/10	50.0	117.559507	25.0	375879.0	2.35119	Y
8	IC 480-603077/11	100.0	245.196322	25.0	368832.0	2.451963	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

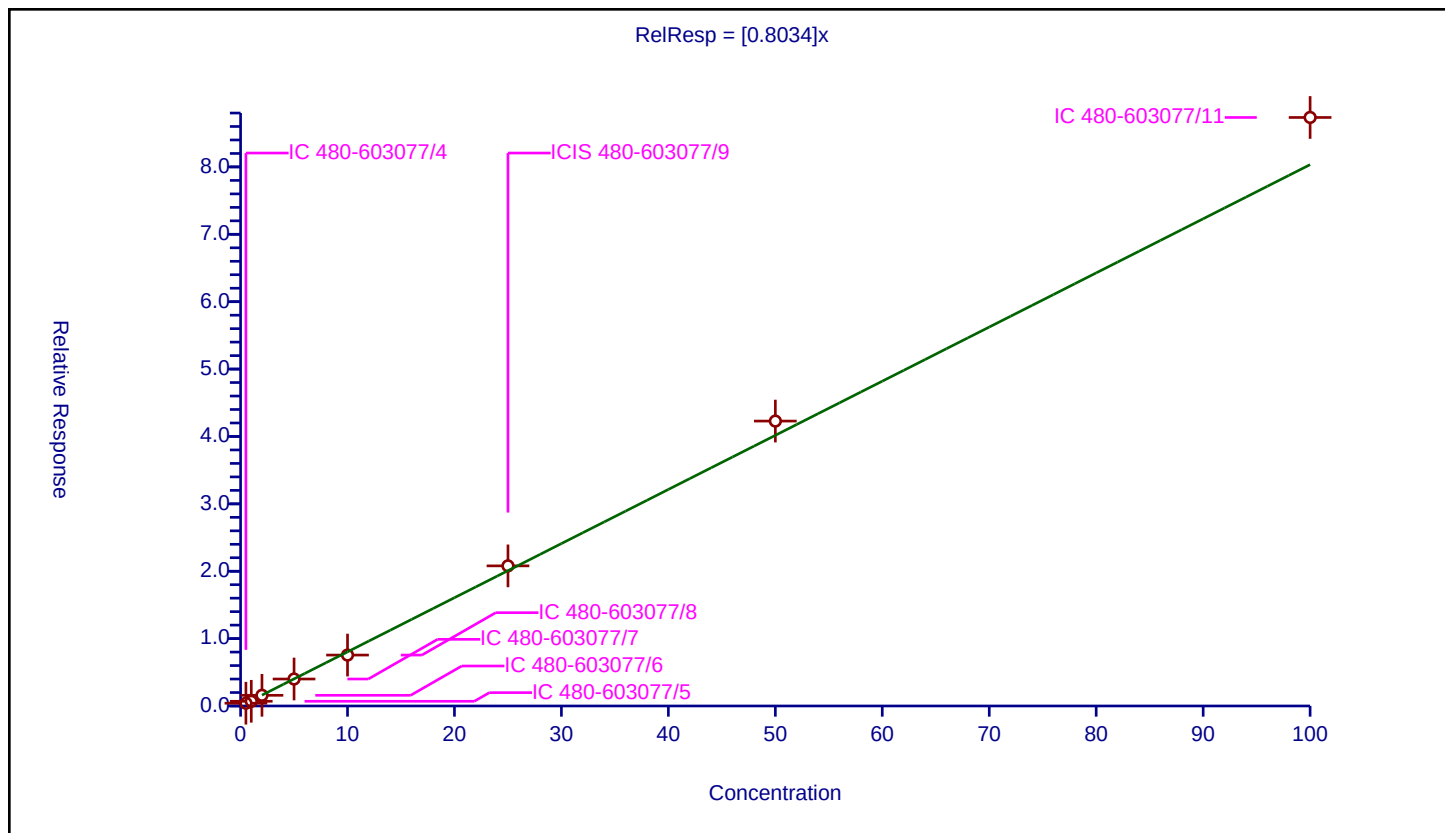
Curve Coefficients

Intercept: 0
Slope: 0.8034

Error Coefficients

Standard Error: 557000
Relative Standard Error: 7.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.415368	25.0	364496.0	0.830736	Y
2	IC 480-603077/5	1.0	0.696632	25.0	341823.0	0.696632	Y
3	IC 480-603077/6	2.0	1.585476	25.0	365253.0	0.792738	Y
4	IC 480-603077/7	5.0	4.001872	25.0	321081.0	0.800374	Y
5	IC 480-603077/8	10.0	7.556948	25.0	379032.0	0.755695	Y
6	ICIS 480-603077/9	25.0	20.793928	25.0	359302.0	0.831757	Y
7	IC 480-603077/10	50.0	42.283221	25.0	375879.0	0.845664	Y
8	IC 480-603077/11	100.0	87.342069	25.0	368832.0	0.873421	Y



Calibration

/ Ethylbenzene

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

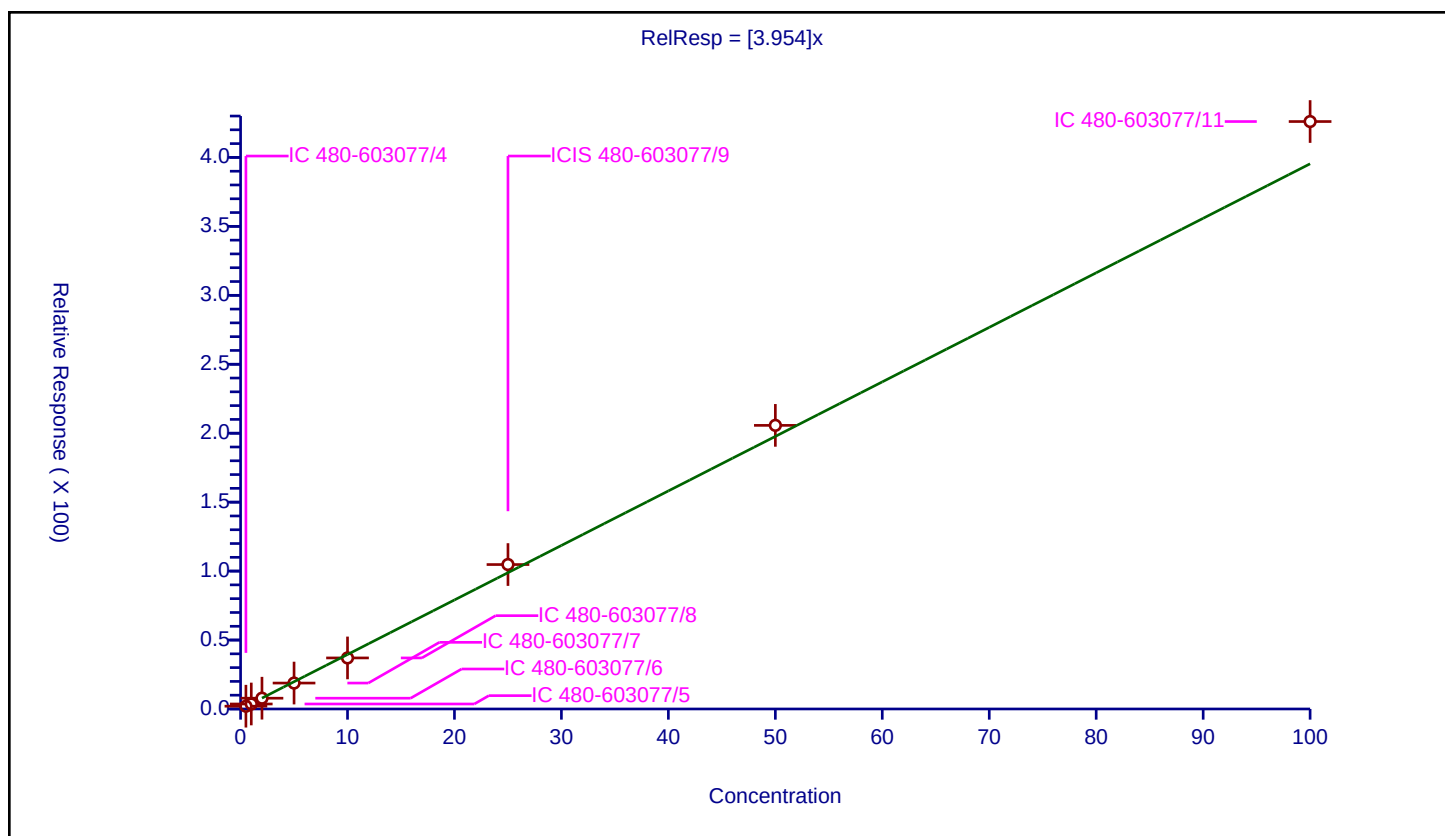
Curve Coefficients

Intercept: 0
 Slope: 3.954

Error Coefficients

Standard Error: 2720000
 Relative Standard Error: 6.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	2.028417	25.0	364496.0	4.056835	Y
2	IC 480-603077/5	1.0	3.634045	25.0	341823.0	3.634045	Y
3	IC 480-603077/6	2.0	7.823687	25.0	365253.0	3.911843	Y
4	IC 480-603077/7	5.0	18.805146	25.0	321081.0	3.761029	Y
5	IC 480-603077/8	10.0	37.013629	25.0	379032.0	3.701363	Y
6	ICIS 480-603077/9	25.0	104.7522	25.0	359302.0	4.190088	Y
7	IC 480-603077/10	50.0	205.677958	25.0	375879.0	4.113559	Y
8	IC 480-603077/11	100.0	426.006624	25.0	368832.0	4.260066	Y



Calibration

/ m-Xylene & p-Xylene

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

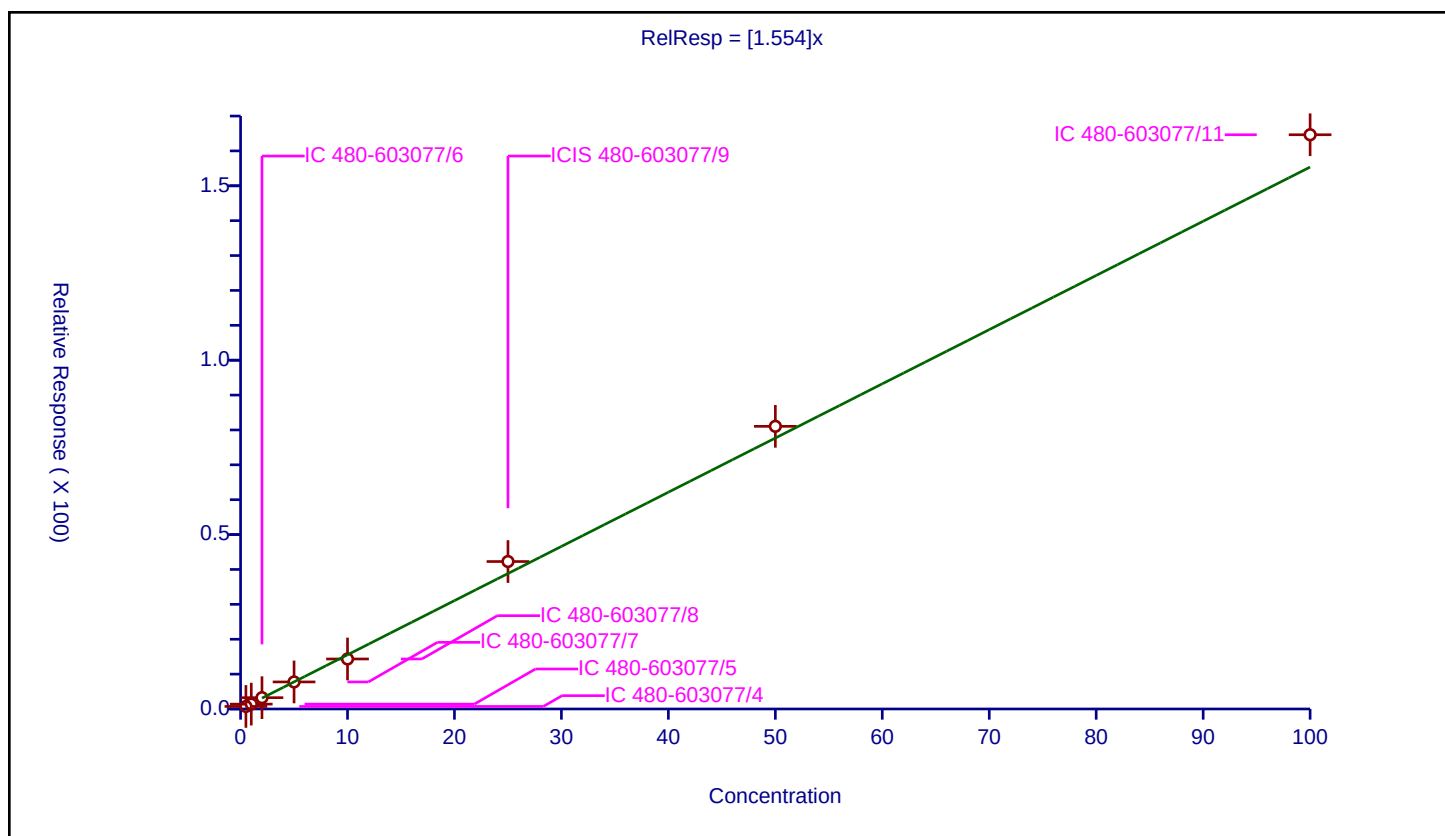
Curve Coefficients

Intercept: 0
Slope: 1.554

Error Coefficients

Standard Error: 1060000
Relative Standard Error: 7.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.728472	25.0	364496.0	1.456943	Y
2	IC 480-603077/5	1.0	1.406283	25.0	341823.0	1.406283	Y
3	IC 480-603077/6	2.0	3.245216	25.0	365253.0	1.622608	Y
4	IC 480-603077/7	5.0	7.758167	25.0	321081.0	1.551633	Y
5	IC 480-603077/8	10.0	14.335465	25.0	379032.0	1.433547	Y
6	ICIS 480-603077/9	25.0	42.284694	25.0	359302.0	1.691388	Y
7	IC 480-603077/10	50.0	81.042836	25.0	375879.0	1.620857	Y
8	IC 480-603077/11	100.0	164.634915	25.0	368832.0	1.646349	Y



Calibration

/ o-Xylene

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

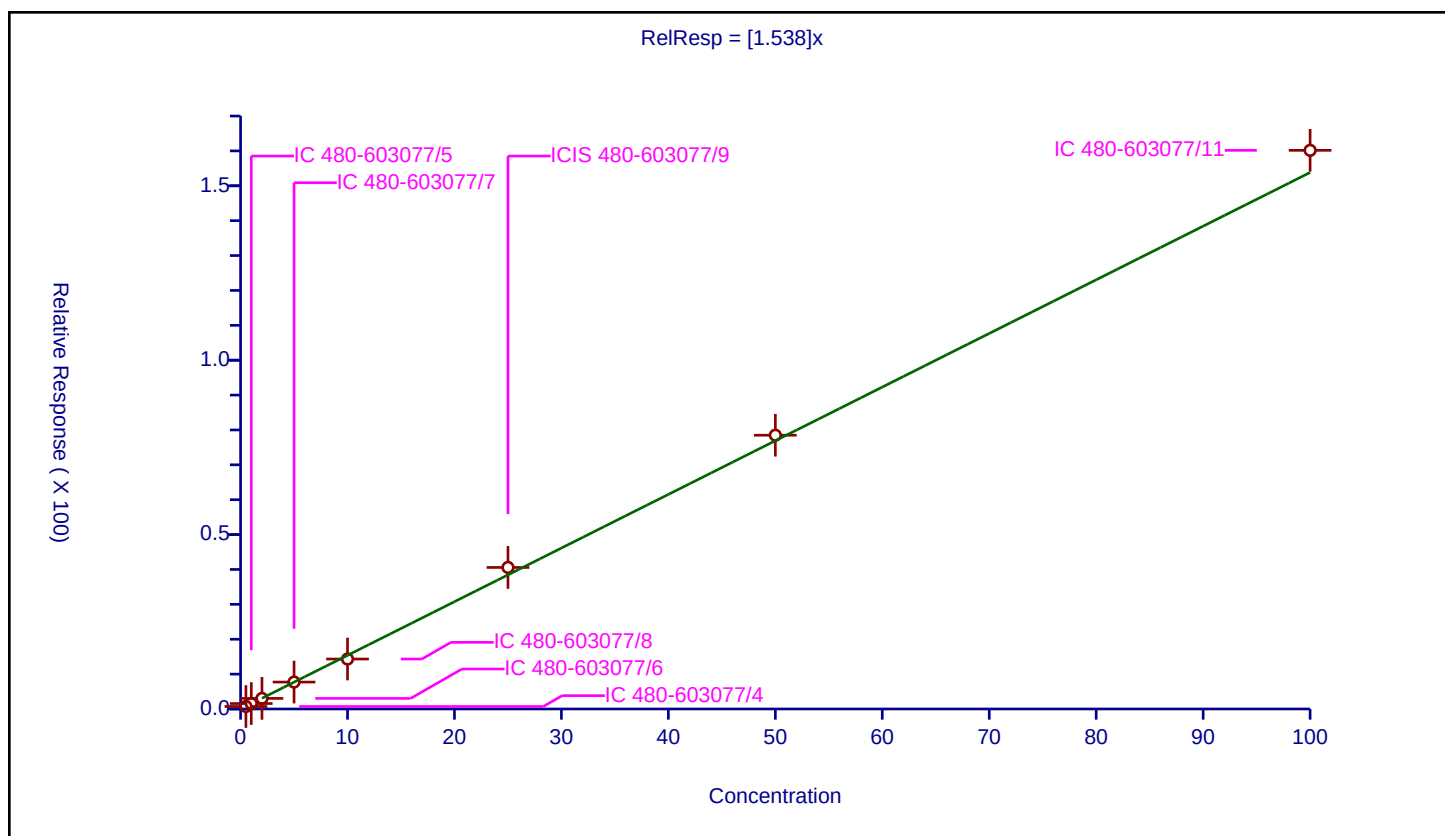
Curve Coefficients

Intercept: 0
 Slope: 1.538

Error Coefficients

Standard Error: 1030000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.722299	25.0	364496.0	1.444597	Y
2	IC 480-603077/5	1.0	1.571062	25.0	341823.0	1.571062	Y
3	IC 480-603077/6	2.0	3.037004	25.0	365253.0	1.518502	Y
4	IC 480-603077/7	5.0	7.72126	25.0	321081.0	1.544252	Y
5	IC 480-603077/8	10.0	14.322669	25.0	379032.0	1.432267	Y
6	ICIS 480-603077/9	25.0	40.581113	25.0	359302.0	1.623245	Y
7	IC 480-603077/10	50.0	78.49401	25.0	375879.0	1.56988	Y
8	IC 480-603077/11	100.0	160.157673	25.0	368832.0	1.601577	Y



Calibration

/ Styrene

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

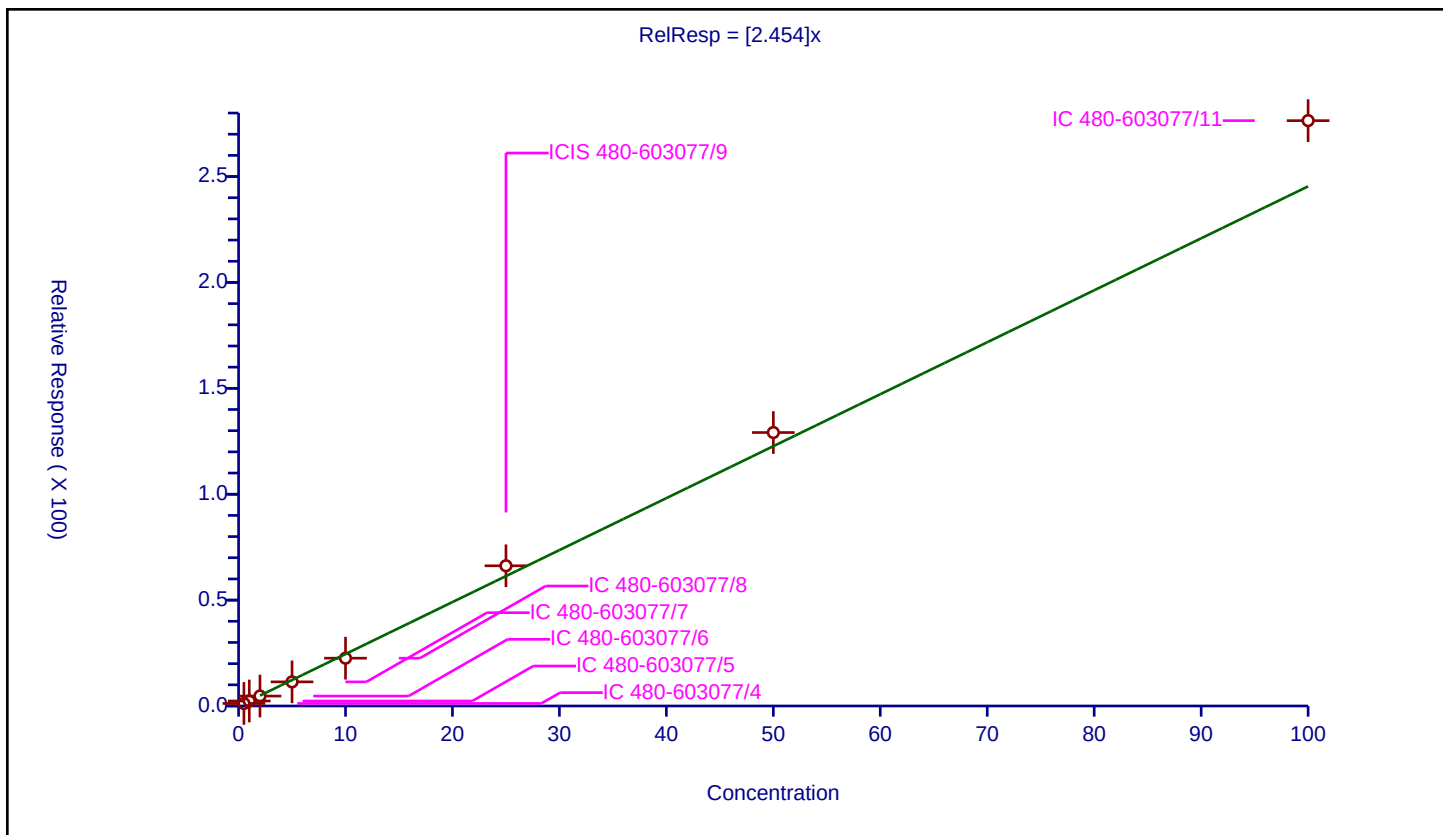
Curve Coefficients

Intercept: 0
 Slope: 2.454

Error Coefficients

Standard Error: 1750000
 Relative Standard Error: 7.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.197818	25.0	364496.0	2.395637	Y
2	IC 480-603077/5	1.0	2.356263	25.0	341823.0	2.356263	Y
3	IC 480-603077/6	2.0	4.693048	25.0	365253.0	2.346524	Y
4	IC 480-603077/7	5.0	11.393698	25.0	321081.0	2.27874	Y
5	IC 480-603077/8	10.0	22.576128	25.0	379032.0	2.257613	Y
6	ICIS 480-603077/9	25.0	66.203361	25.0	359302.0	2.648134	Y
7	IC 480-603077/10	50.0	129.124532	25.0	375879.0	2.582491	Y
8	IC 480-603077/11	100.0	276.41494	25.0	368832.0	2.764149	Y



Calibration

/ Bromoform

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

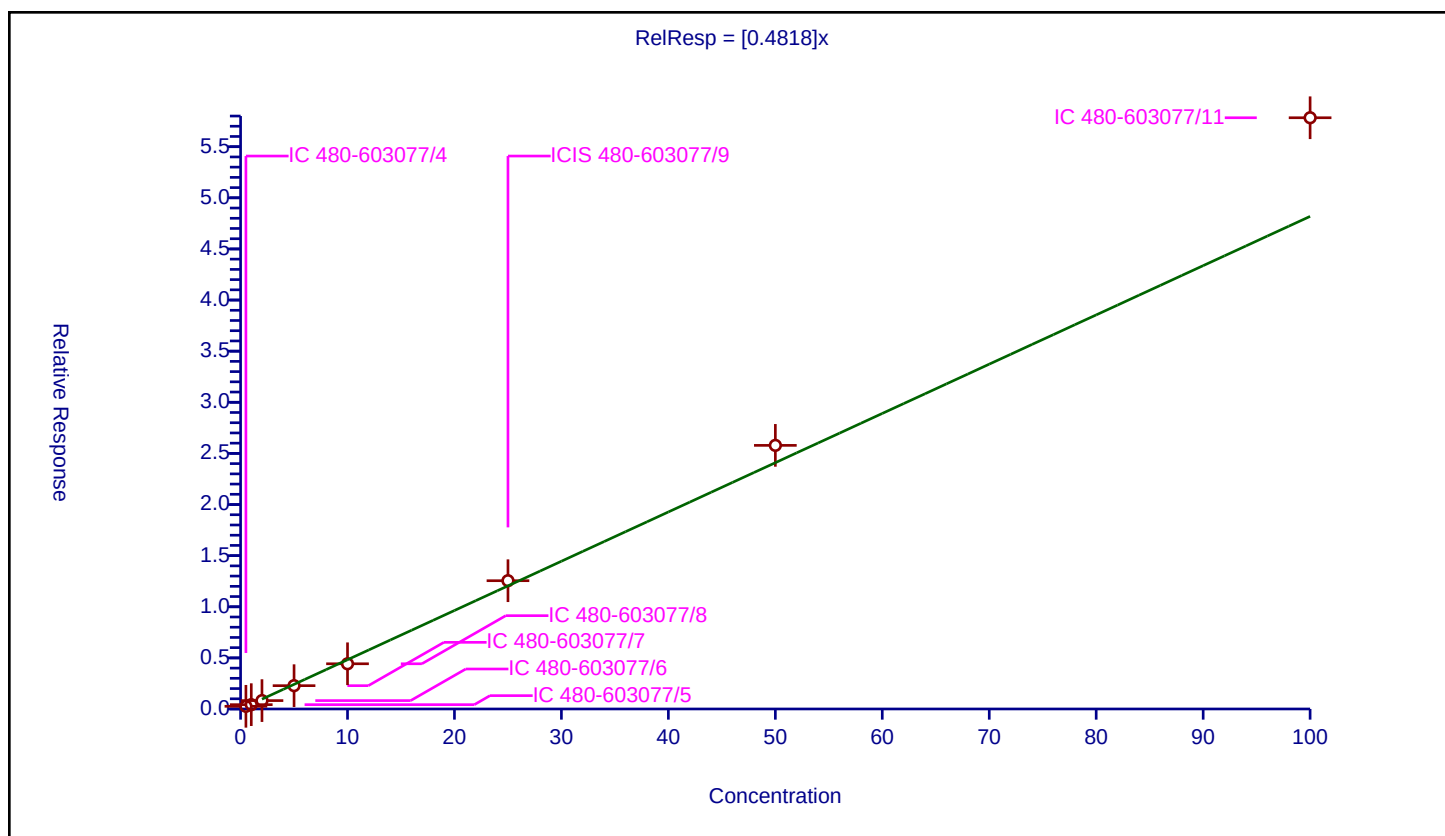
Curve Coefficients

Intercept: 0
 Slope: 0.4818

Error Coefficients

Standard Error: 362000
 Relative Standard Error: 12.0
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.262829	25.0	364496.0	0.525657	Y
2	IC 480-603077/5	1.0	0.42405	25.0	341823.0	0.42405	Y
3	IC 480-603077/6	2.0	0.821006	25.0	365253.0	0.410503	Y
4	IC 480-603077/7	5.0	2.281745	25.0	321081.0	0.456349	Y
5	IC 480-603077/8	10.0	4.421856	25.0	379032.0	0.442186	Y
6	ICIS 480-603077/9	25.0	12.548497	25.0	359302.0	0.50194	Y
7	IC 480-603077/10	50.0	25.785027	25.0	375879.0	0.515701	Y
8	IC 480-603077/11	100.0	57.831682	25.0	368832.0	0.578317	Y



Calibration

/ Isopropylbenzene

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

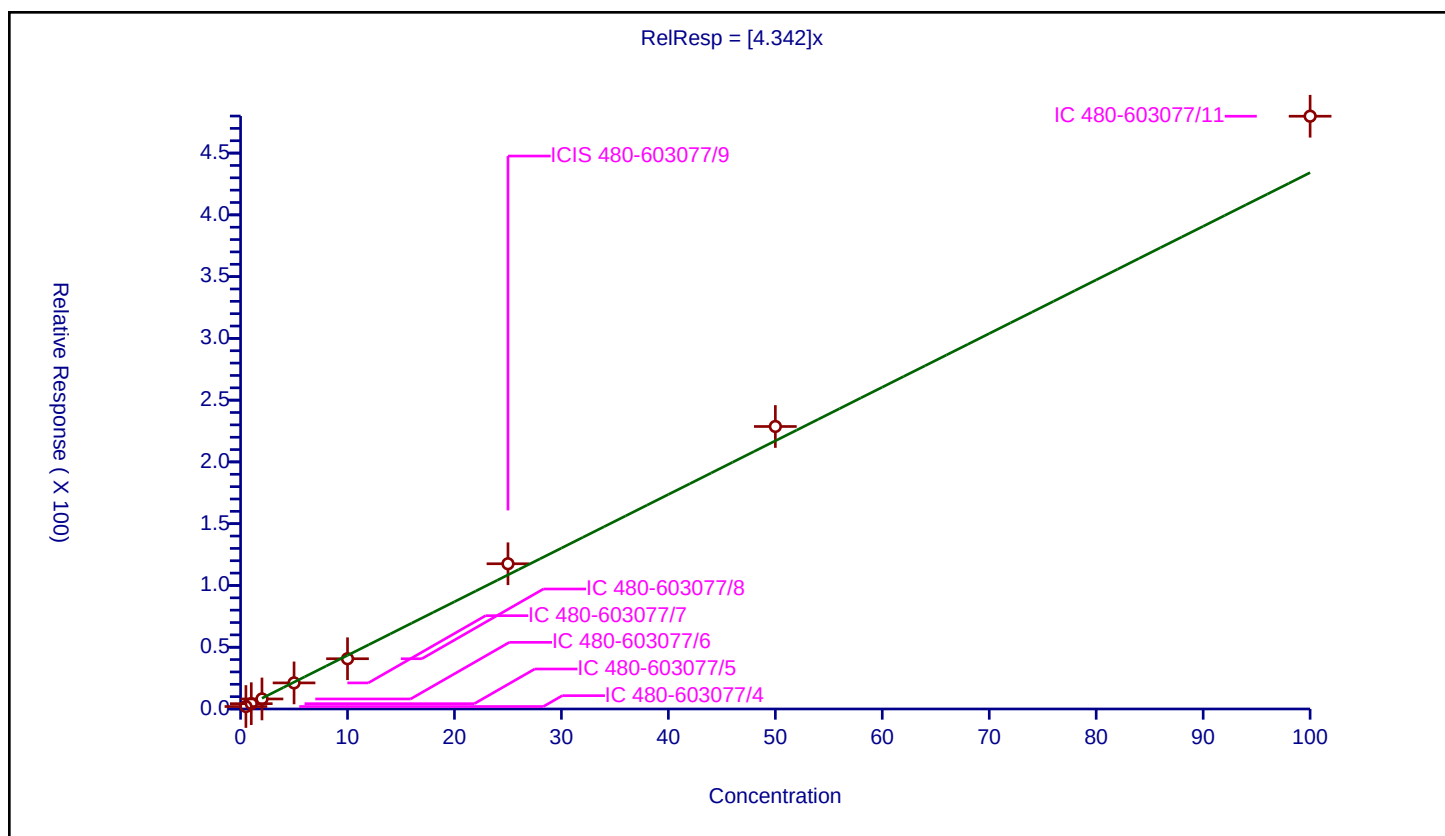
Curve Coefficients

Intercept: 0
Slope: 4.342

Error Coefficients

Standard Error: 2790000
Relative Standard Error: 7.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.996272	25.0	338218.0	3.992543	Y
2	IC 480-603077/5	1.0	4.306483	25.0	308918.0	4.306483	Y
3	IC 480-603077/6	2.0	8.136323	25.0	329129.0	4.068162	Y
4	IC 480-603077/7	5.0	21.112742	25.0	301813.0	4.222548	Y
5	IC 480-603077/8	10.0	40.682895	25.0	343940.0	4.06829	Y
6	ICIS 480-603077/9	25.0	117.569366	25.0	326530.0	4.702775	Y
7	IC 480-603077/10	50.0	228.699518	25.0	349755.0	4.57399	Y
8	IC 480-603077/11	100.0	479.857247	25.0	335684.0	4.798572	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

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

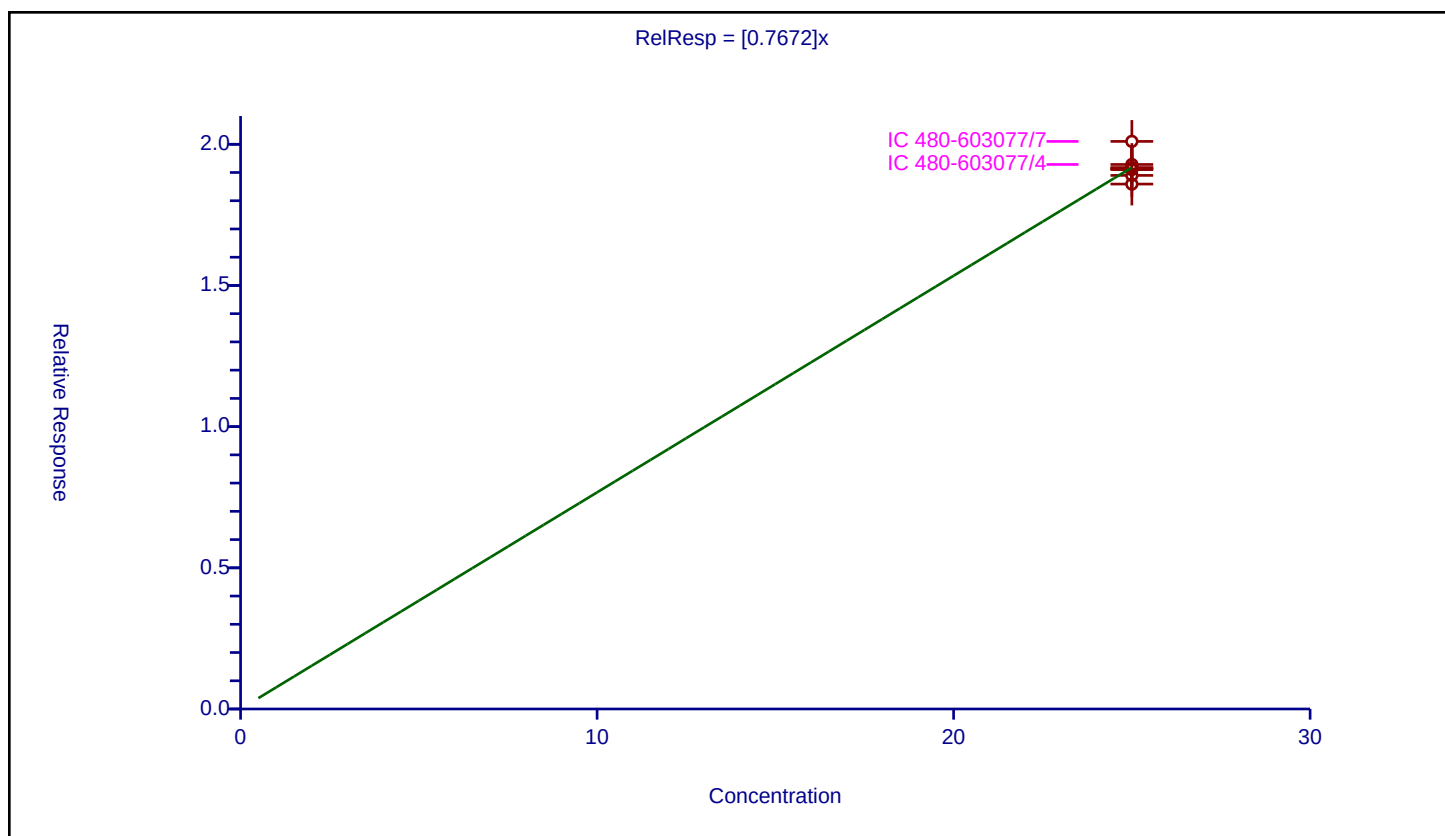
Curve Coefficients

Intercept: 0
 Slope: 0.7672

Error Coefficients

Standard Error: 295000
 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 480-603077/4	25.0	19.284437	25.0	364496.0	0.771377	Y
2	IC 480-603077/5	25.0	19.134537	25.0	341823.0	0.765381	Y
3	IC 480-603077/6	25.0	19.176434	25.0	365253.0	0.767057	Y
4	IC 480-603077/7	25.0	20.102015	25.0	321081.0	0.804081	Y
5	IC 480-603077/8	25.0	18.589723	25.0	379032.0	0.743589	Y
6	ICIS 480-603077/9	25.0	19.101411	25.0	359302.0	0.764056	Y
7	IC 480-603077/10	25.0	18.896374	25.0	375879.0	0.755855	Y
8	IC 480-603077/11	25.0	19.145912	25.0	368832.0	0.765836	Y



Calibration

/ Bromobenzene

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

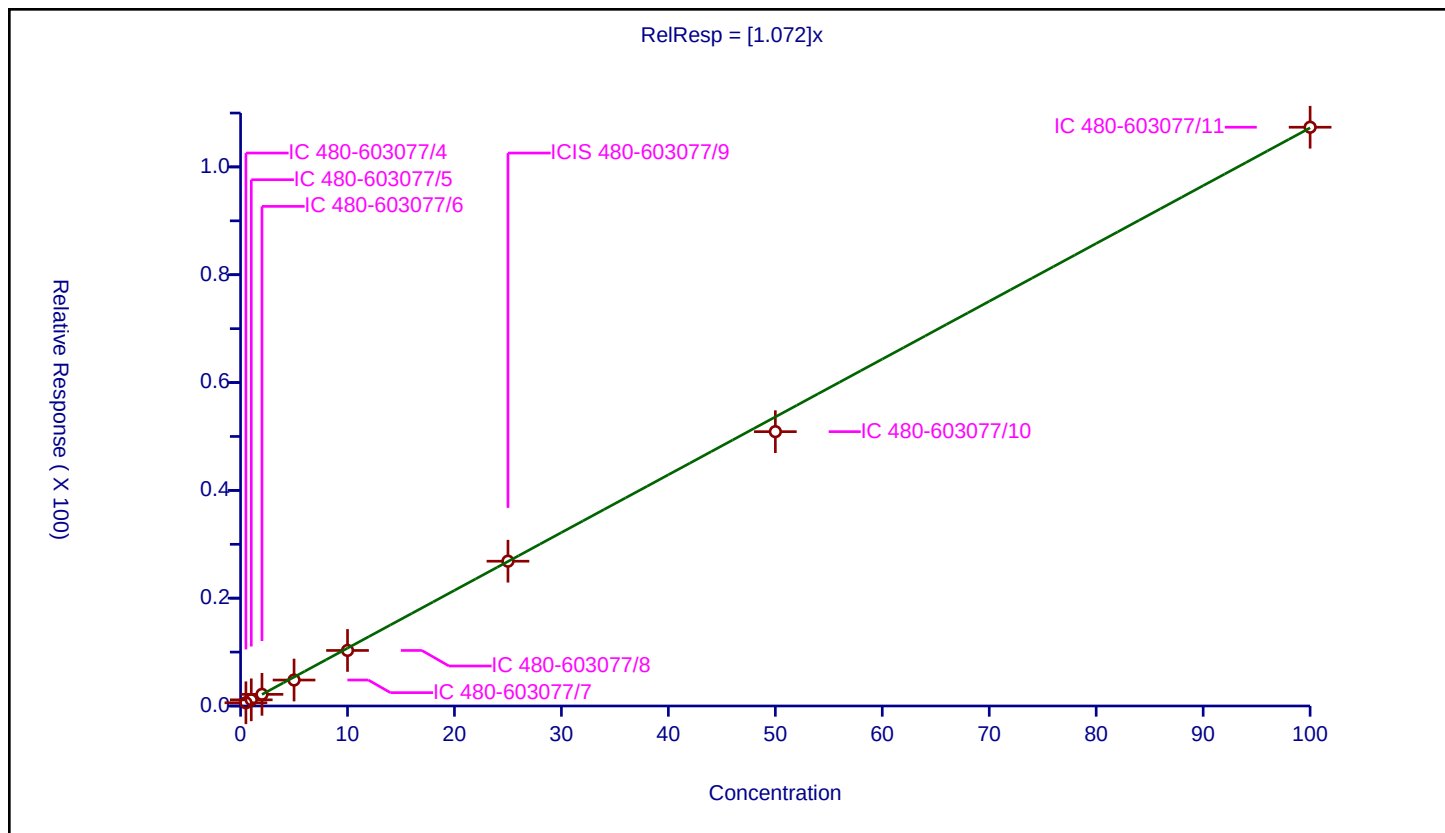
Curve Coefficients

Intercept: 0
 Slope: 1.072

Error Coefficients

Standard Error: 625000
 Relative Standard Error: 6.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.598505	25.0	338218.0	1.197009	Y
2	IC 480-603077/5	1.0	1.142779	25.0	308918.0	1.142779	Y
3	IC 480-603077/6	2.0	2.161614	25.0	329129.0	1.080807	Y
4	IC 480-603077/7	5.0	4.813991	25.0	301813.0	0.962798	Y
5	IC 480-603077/8	10.0	10.304922	25.0	343940.0	1.030492	Y
6	ICIS 480-603077/9	25.0	26.863994	25.0	326530.0	1.07456	Y
7	IC 480-603077/10	50.0	50.891624	25.0	349755.0	1.017832	Y
8	IC 480-603077/11	100.0	107.364218	25.0	335684.0	1.073642	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

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

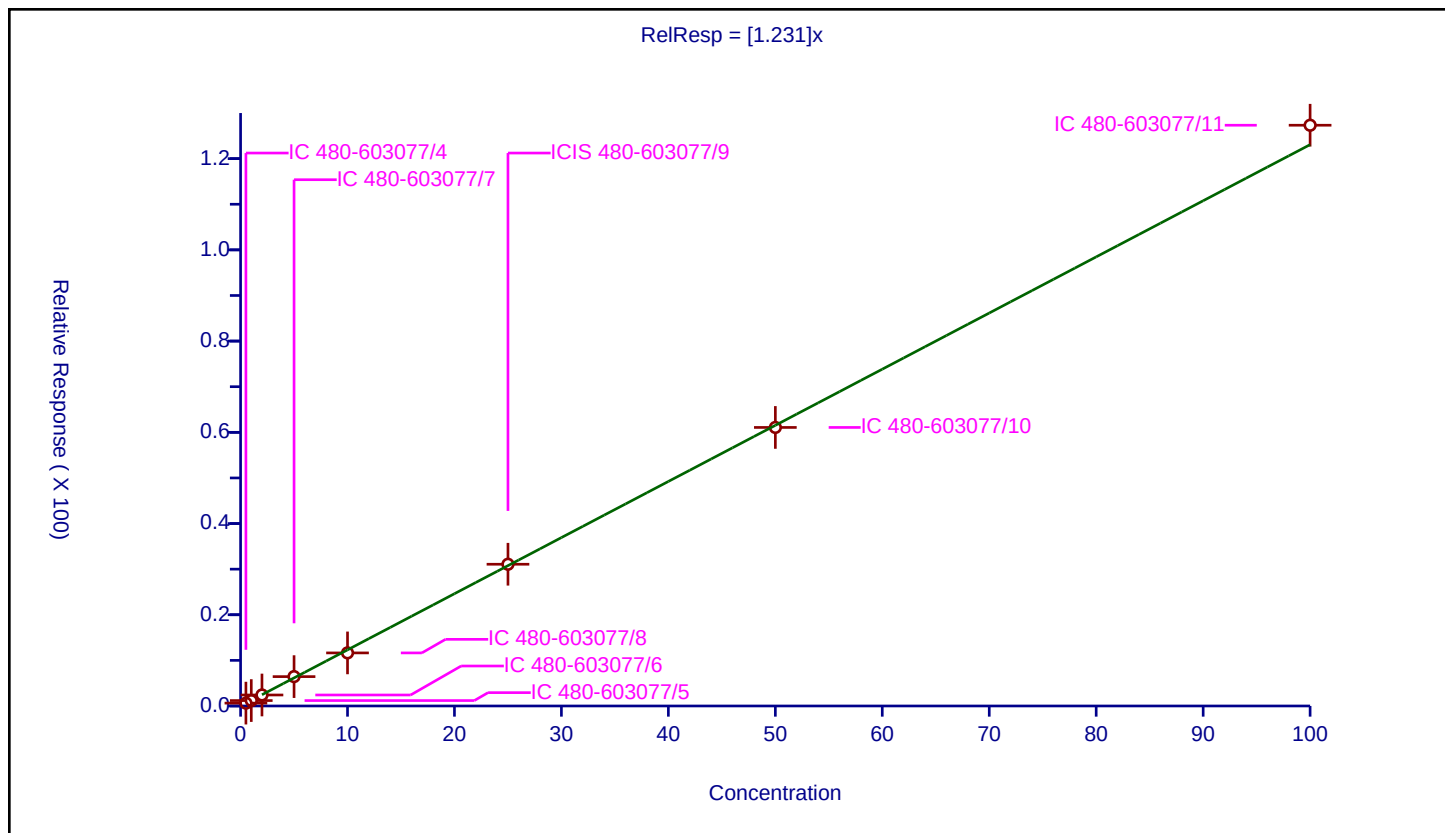
Curve Coefficients

Intercept: 0
Slope: 1.231

Error Coefficients

Standard Error: 742000
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 480-603077/4	0.5	0.627849	25.0	338218.0	1.255699	Y
2	IC 480-603077/5	1.0	1.191578	25.0	308918.0	1.191578	Y
3	IC 480-603077/6	2.0	2.415314	25.0	329129.0	1.207657	Y
4	IC 480-603077/7	5.0	6.445133	25.0	301813.0	1.289027	Y
5	IC 480-603077/8	10.0	11.644037	25.0	343940.0	1.164404	Y
6	ICIS 480-603077/9	25.0	31.073638	25.0	326530.0	1.242946	Y
7	IC 480-603077/10	50.0	61.065818	25.0	349755.0	1.221316	Y
8	IC 480-603077/11	100.0	127.32056	25.0	335684.0	1.273206	Y



Calibration

/ N-Propylbenzene

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

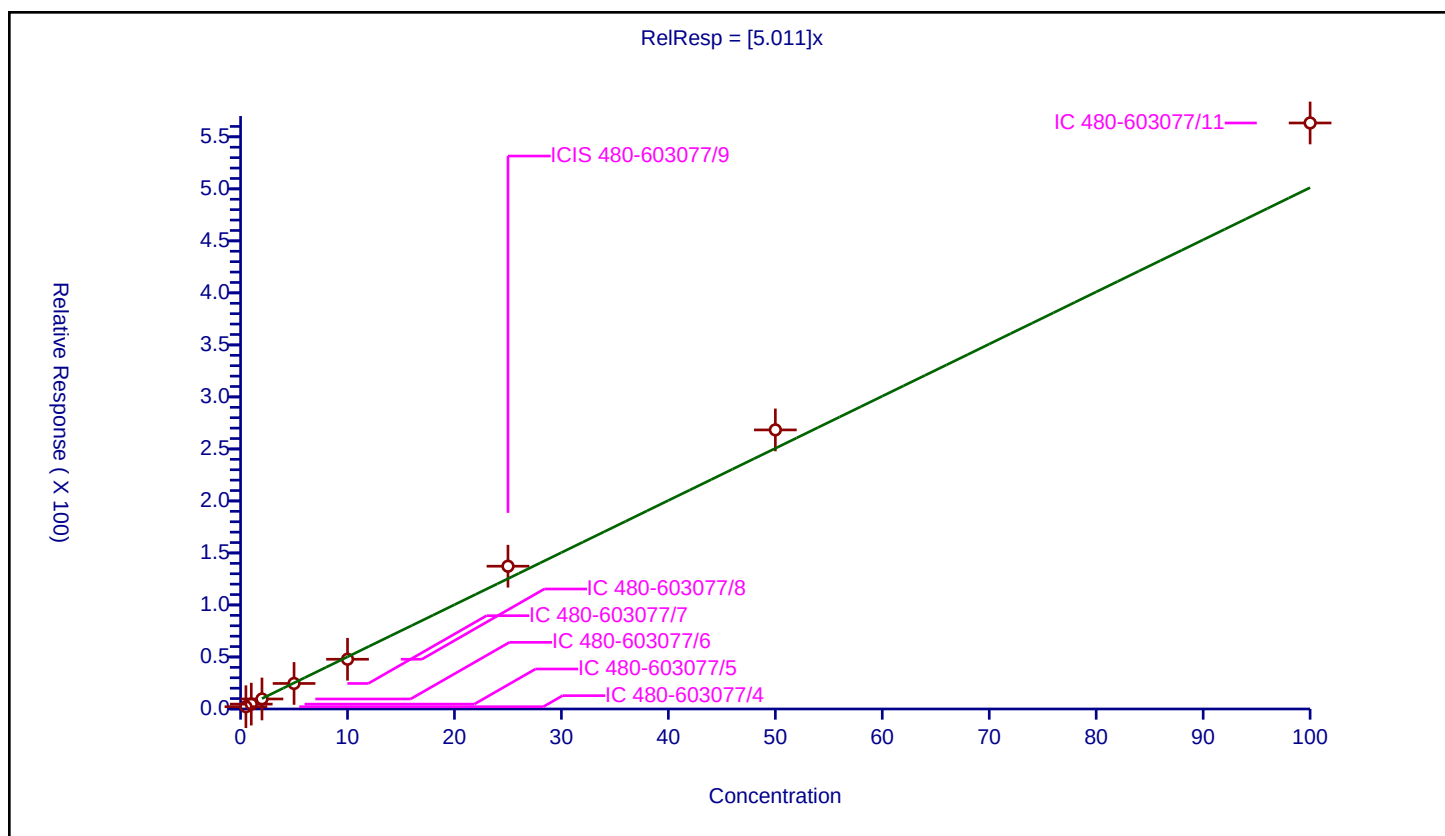
Curve Coefficients

Intercept: 0
 Slope: 5.011

Error Coefficients

Standard Error: 3270000
 Relative Standard Error: 8.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	2.19836	25.0	338218.0	4.39672	Y
2	IC 480-603077/5	1.0	4.705699	25.0	308918.0	4.705699	Y
3	IC 480-603077/6	2.0	9.61705	25.0	329129.0	4.808525	Y
4	IC 480-603077/7	5.0	24.544834	25.0	301813.0	4.908967	Y
5	IC 480-603077/8	10.0	47.819678	25.0	343940.0	4.781968	Y
6	ICIS 480-603077/9	25.0	137.263192	25.0	326530.0	5.490528	Y
7	IC 480-603077/10	50.0	268.305242	25.0	349755.0	5.366105	Y
8	IC 480-603077/11	100.0	563.343502	25.0	335684.0	5.633435	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

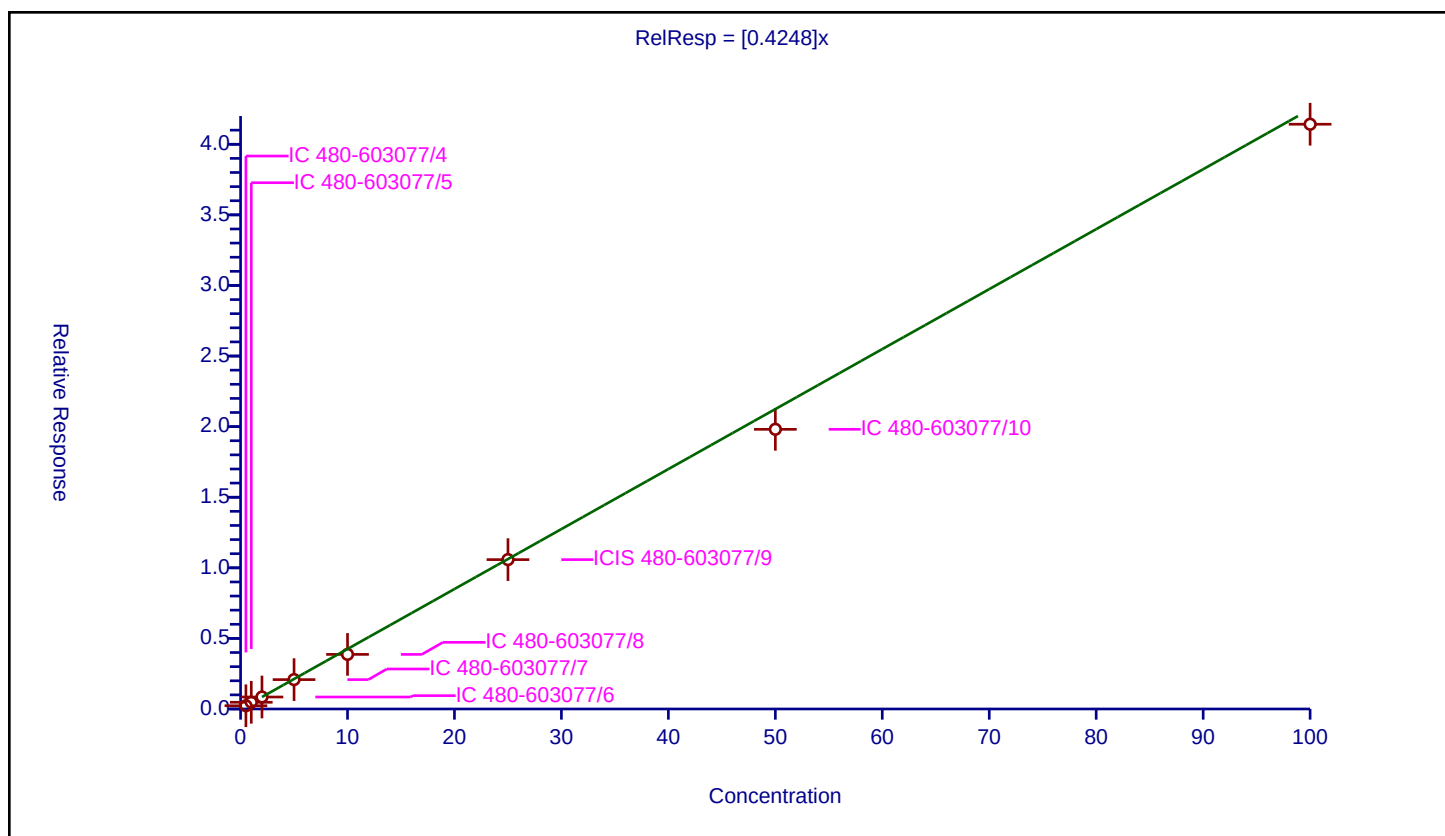
Curve Coefficients

Intercept: 0
 Slope: 0.4248

Error Coefficients

Standard Error: 242000
 Relative Standard Error: 7.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.230251	25.0	338218.0	0.460502	Y
2	IC 480-603077/5	1.0	0.476583	25.0	308918.0	0.476583	Y
3	IC 480-603077/6	2.0	0.848983	25.0	329129.0	0.424492	Y
4	IC 480-603077/7	5.0	2.083161	25.0	301813.0	0.416632	Y
5	IC 480-603077/8	10.0	3.867535	25.0	343940.0	0.386754	Y
6	ICIS 480-603077/9	25.0	10.581034	25.0	326530.0	0.423241	Y
7	IC 480-603077/10	50.0	19.810868	25.0	349755.0	0.396217	Y
8	IC 480-603077/11	100.0	41.418045	25.0	335684.0	0.41418	Y



Calibration

/ trans-1,4-Dichloro-2-butene

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

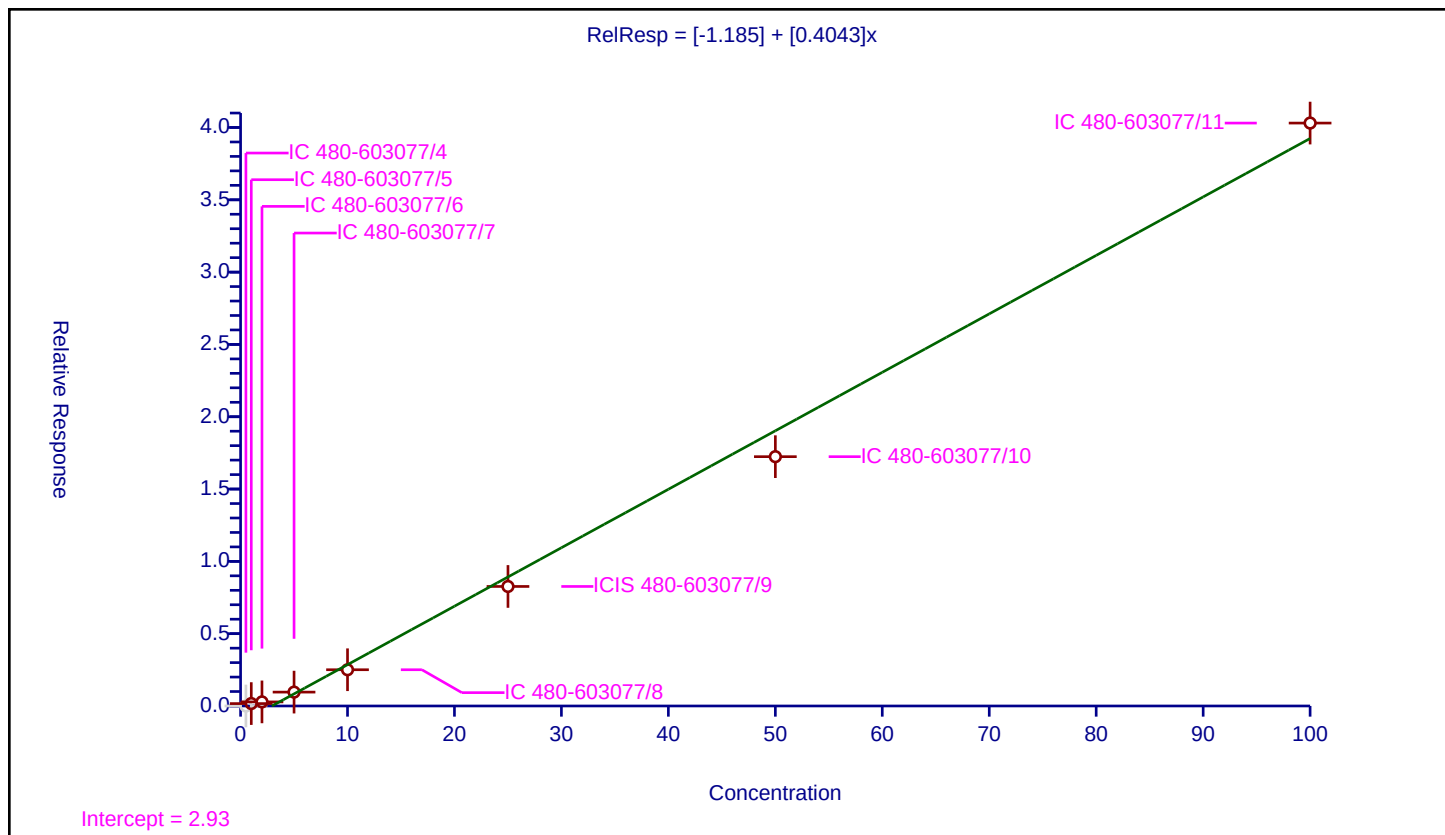
Curve Coefficients

Intercept: -1.185
 Slope: 0.4043

Error Coefficients

Standard Error: 270000
 Relative Standard Error: 111.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.0	25.0	338218.0	0.0	N
2	IC 480-603077/5	1.0	0.168815	25.0	308918.0	0.168815	Y
3	IC 480-603077/6	2.0	0.282488	25.0	329129.0	0.141244	Y
4	IC 480-603077/7	5.0	0.960197	25.0	301813.0	0.192039	Y
5	IC 480-603077/8	10.0	2.506542	25.0	343940.0	0.250654	Y
6	ICIS 480-603077/9	25.0	8.264861	25.0	326530.0	0.330594	Y
7	IC 480-603077/10	50.0	17.239639	25.0	349755.0	0.344793	Y
8	IC 480-603077/11	100.0	40.306136	25.0	335684.0	0.403061	Y



Calibration

/ 2-Chlorotoluene

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

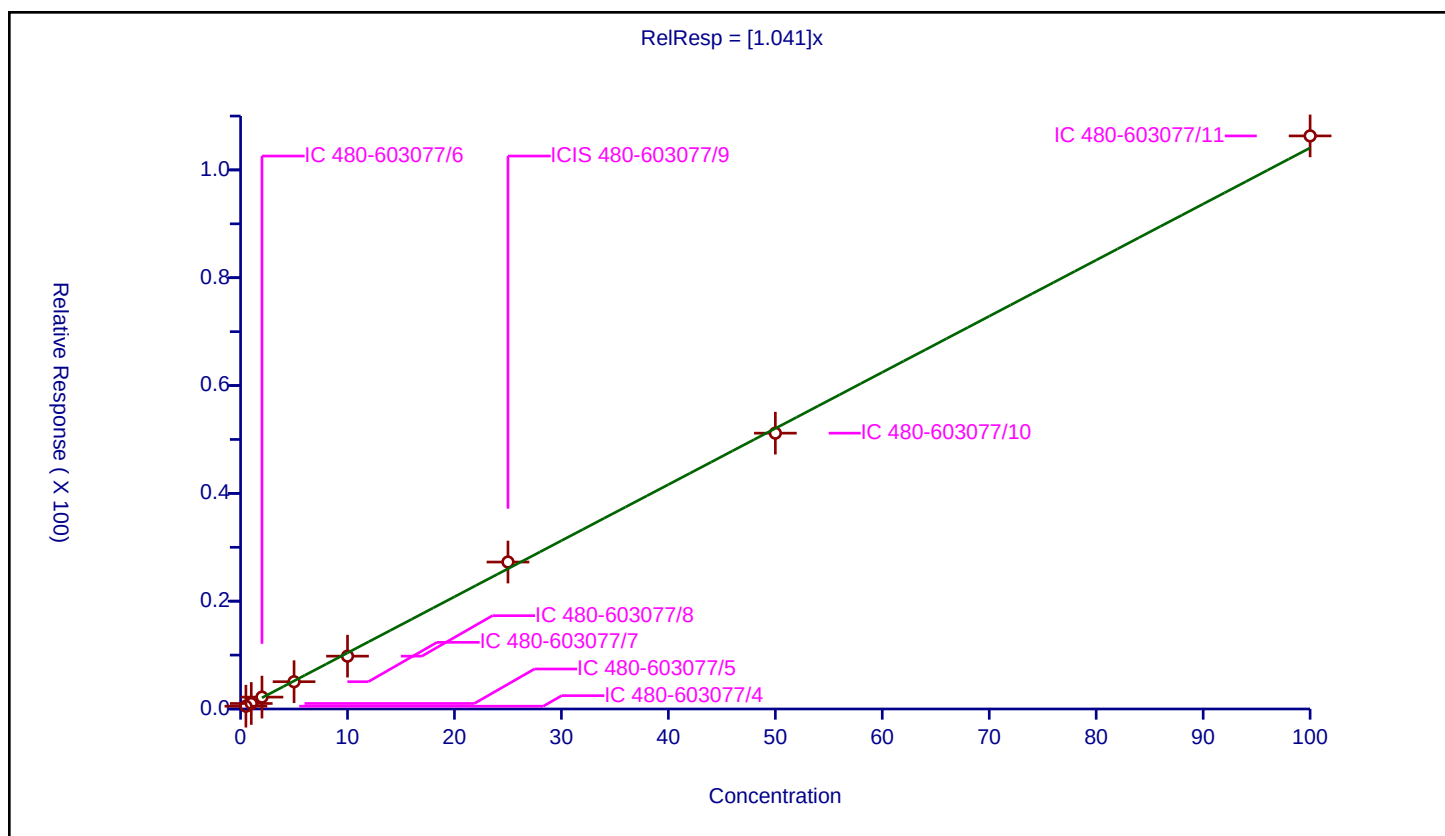
Curve Coefficients

Intercept: 0
 Slope: 1.041

Error Coefficients

Standard Error: 621000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.517122	25.0	338218.0	1.034244	Y
2	IC 480-603077/5	1.0	1.021226	25.0	308918.0	1.021226	Y
3	IC 480-603077/6	2.0	2.204759	25.0	329129.0	1.102379	Y
4	IC 480-603077/7	5.0	5.060584	25.0	301813.0	1.012117	Y
5	IC 480-603077/8	10.0	9.802945	25.0	343940.0	0.980295	Y
6	ICIS 480-603077/9	25.0	27.26434	25.0	326530.0	1.090574	Y
7	IC 480-603077/10	50.0	51.167603	25.0	349755.0	1.023352	Y
8	IC 480-603077/11	100.0	106.310176	25.0	335684.0	1.063102	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

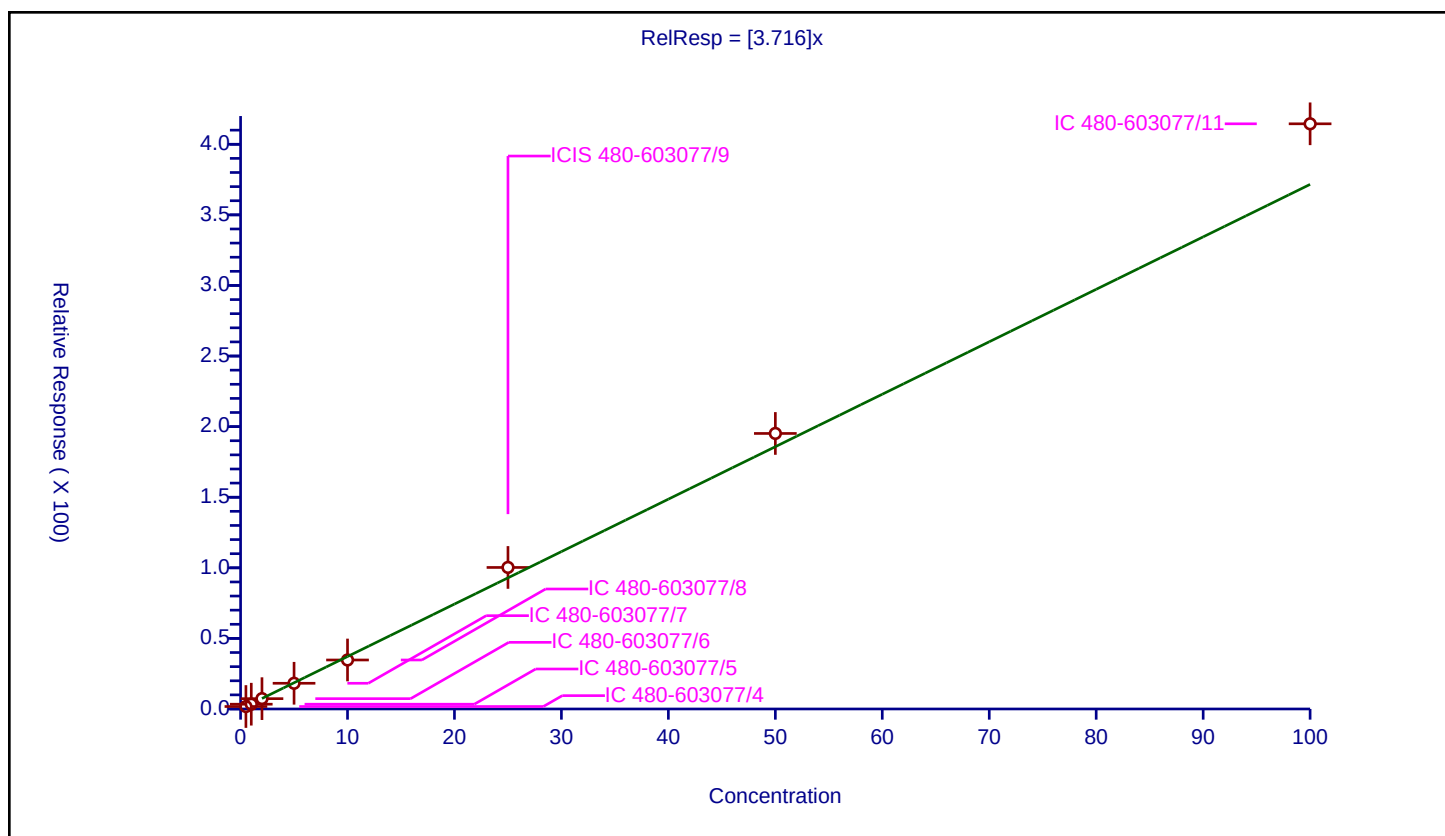
Curve Coefficients

Intercept: 0
 Slope: 3.716

Error Coefficients

Standard Error: 2400000
 Relative Standard Error: 7.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.746285	25.0	338218.0	3.49257	Y
2	IC 480-603077/5	1.0	3.391677	25.0	308918.0	3.391677	Y
3	IC 480-603077/6	2.0	7.334738	25.0	329129.0	3.667369	Y
4	IC 480-603077/7	5.0	18.216992	25.0	301813.0	3.643398	Y
5	IC 480-603077/8	10.0	34.714558	25.0	343940.0	3.471456	Y
6	ICIS 480-603077/9	25.0	100.268811	25.0	326530.0	4.010752	Y
7	IC 480-603077/10	50.0	195.175909	25.0	349755.0	3.903518	Y
8	IC 480-603077/11	100.0	414.484158	25.0	335684.0	4.144842	Y



Calibration

/ 4-Chlorotoluene

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

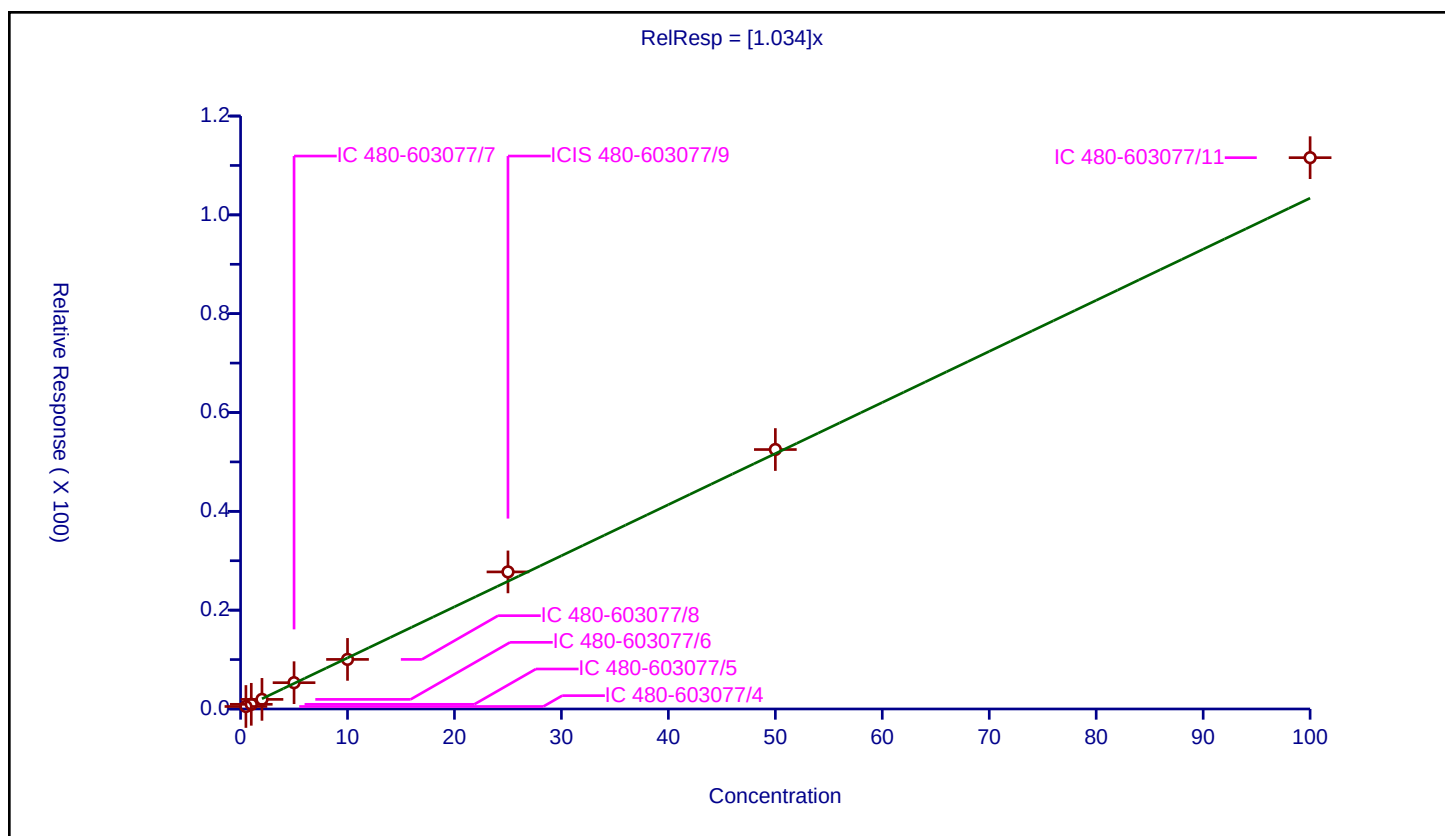
Curve Coefficients

Intercept: 0
Slope: 1.034

Error Coefficients

Standard Error: 648000
Relative Standard Error: 6.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.503595	25.0	338218.0	1.007191	Y
2	IC 480-603077/5	1.0	0.945801	25.0	308918.0	0.945801	Y
3	IC 480-603077/6	2.0	1.947565	25.0	329129.0	0.973782	Y
4	IC 480-603077/7	5.0	5.322418	25.0	301813.0	1.064484	Y
5	IC 480-603077/8	10.0	10.037361	25.0	343940.0	1.003736	Y
6	ICIS 480-603077/9	25.0	27.741555	25.0	326530.0	1.109662	Y
7	IC 480-603077/10	50.0	52.511901	25.0	349755.0	1.050238	Y
8	IC 480-603077/11	100.0	111.572193	25.0	335684.0	1.115722	Y



Calibration

/ tert-Butylbenzene

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

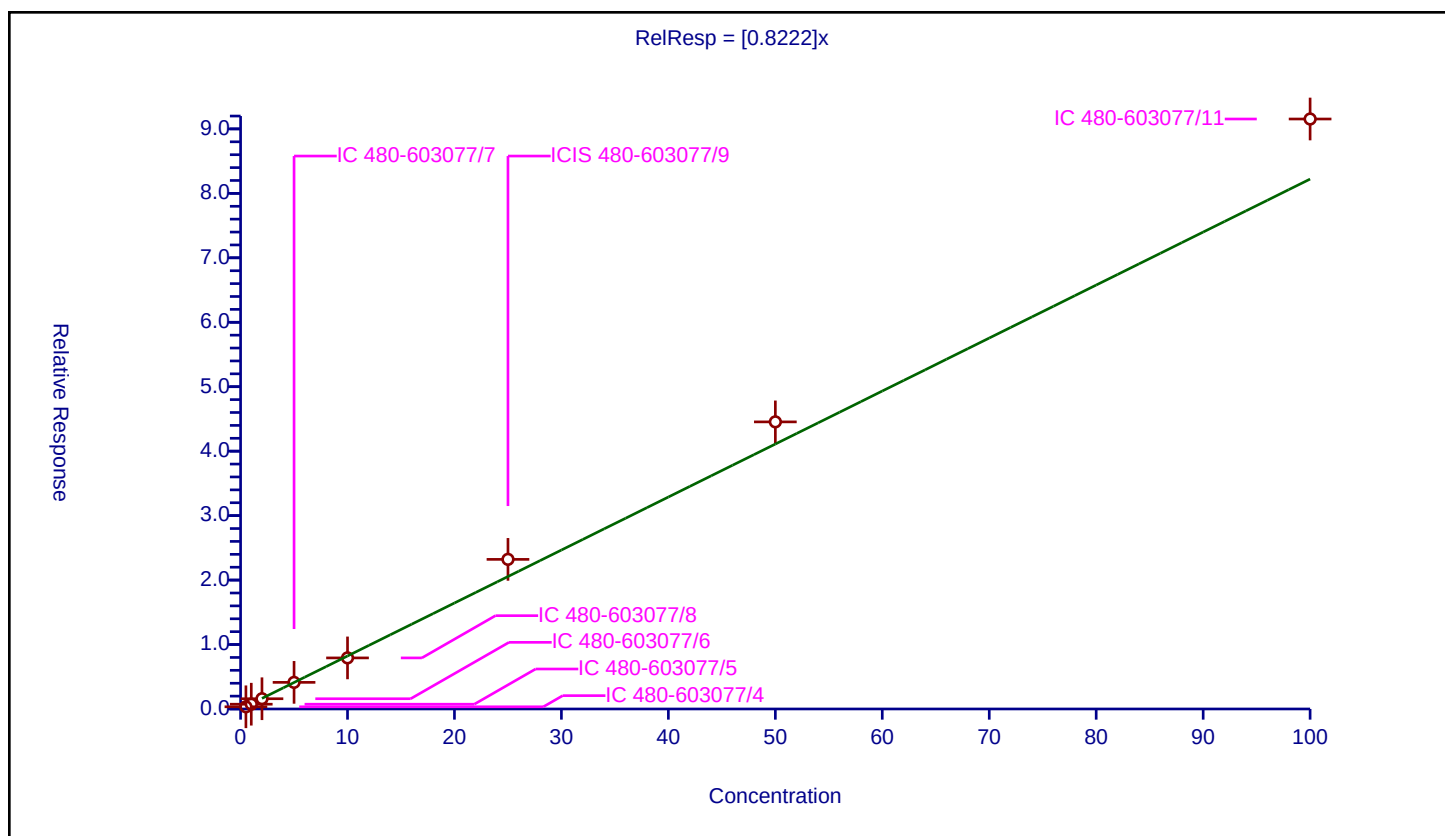
Curve Coefficients

Intercept: 0
 Slope: 0.8222

Error Coefficients

Standard Error: 535000
 Relative Standard Error: 10.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.340387	25.0	338218.0	0.680774	Y
2	IC 480-603077/5	1.0	0.747124	25.0	308918.0	0.747124	Y
3	IC 480-603077/6	2.0	1.590258	25.0	329129.0	0.795129	Y
4	IC 480-603077/7	5.0	4.1312	25.0	301813.0	0.82624	Y
5	IC 480-603077/8	10.0	7.931253	25.0	343940.0	0.793125	Y
6	ICIS 480-603077/9	25.0	23.215401	25.0	326530.0	0.928616	Y
7	IC 480-603077/10	50.0	44.547183	25.0	349755.0	0.890944	Y
8	IC 480-603077/11	100.0	91.537428	25.0	335684.0	0.915374	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

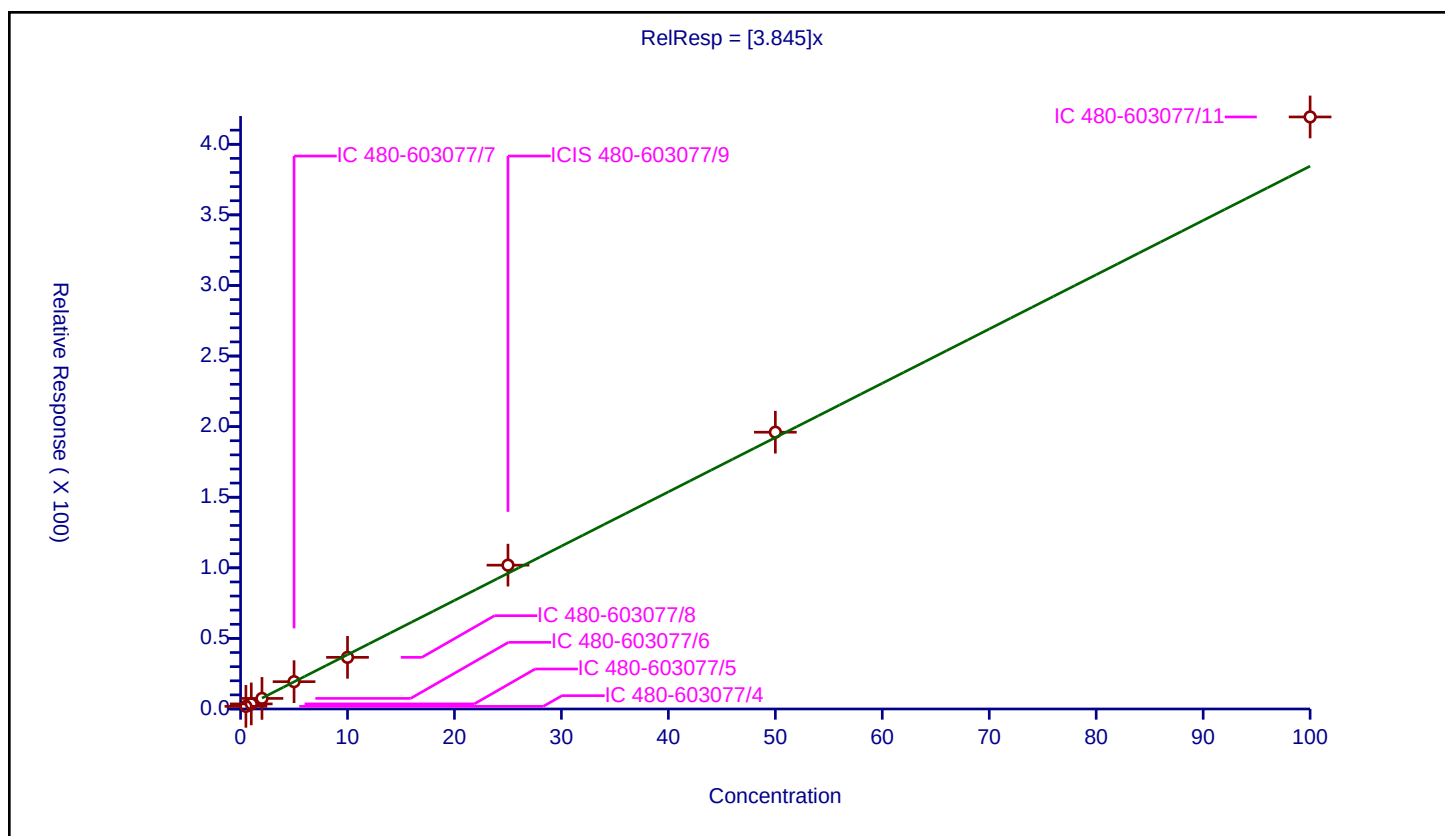
Curve Coefficients

Intercept: 0
 Slope: 3.845

Error Coefficients

Standard Error: 2430000
 Relative Standard Error: 5.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.852725	25.0	338218.0	3.70545	Y
2	IC 480-603077/5	1.0	3.594724	25.0	308918.0	3.594724	Y
3	IC 480-603077/6	2.0	7.483844	25.0	329129.0	3.741922	Y
4	IC 480-603077/7	5.0	19.357102	25.0	301813.0	3.87142	Y
5	IC 480-603077/8	10.0	36.569823	25.0	343940.0	3.656982	Y
6	ICIS 480-603077/9	25.0	101.868282	25.0	326530.0	4.074731	Y
7	IC 480-603077/10	50.0	196.053166	25.0	349755.0	3.921063	Y
8	IC 480-603077/11	100.0	419.360991	25.0	335684.0	4.19361	Y



Calibration

/ sec-Butylbenzene

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

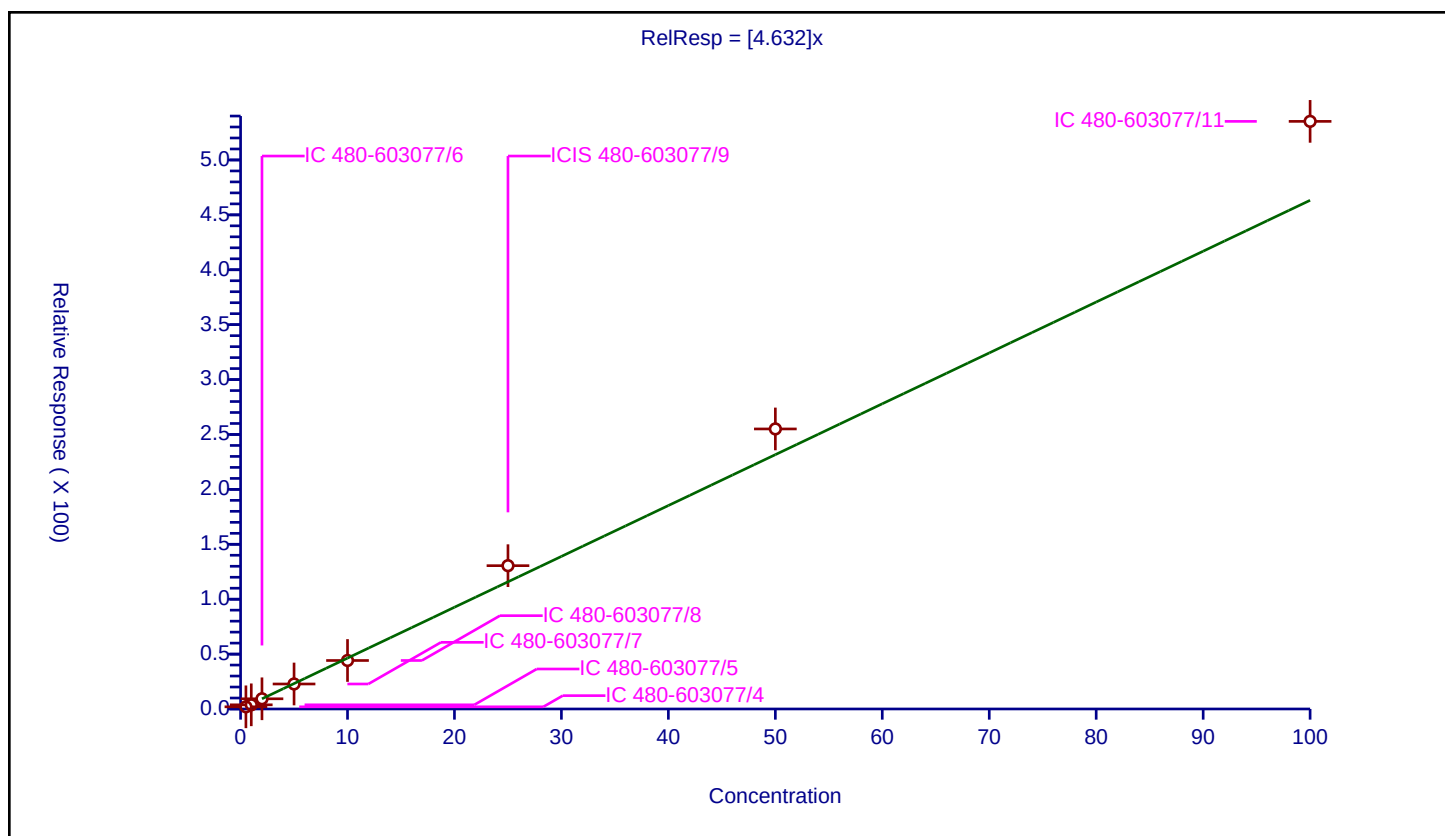
Curve Coefficients

Intercept: 0
Slope: 4.632

Error Coefficients

Standard Error: 3110000
Relative Standard Error: 12.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.980084	25.0	338218.0	3.960168	Y
2	IC 480-603077/5	1.0	3.804003	25.0	308918.0	3.804003	Y
3	IC 480-603077/6	2.0	9.296431	25.0	329129.0	4.648215	Y
4	IC 480-603077/7	5.0	22.784307	25.0	301813.0	4.556861	Y
5	IC 480-603077/8	10.0	44.162427	25.0	343940.0	4.416243	Y
6	ICIS 480-603077/9	25.0	130.521085	25.0	326530.0	5.220843	Y
7	IC 480-603077/10	50.0	255.053037	25.0	349755.0	5.101061	Y
8	IC 480-603077/11	100.0	535.146447	25.0	335684.0	5.351464	Y



Calibration

/ 1,3-Dichlorobenzene

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

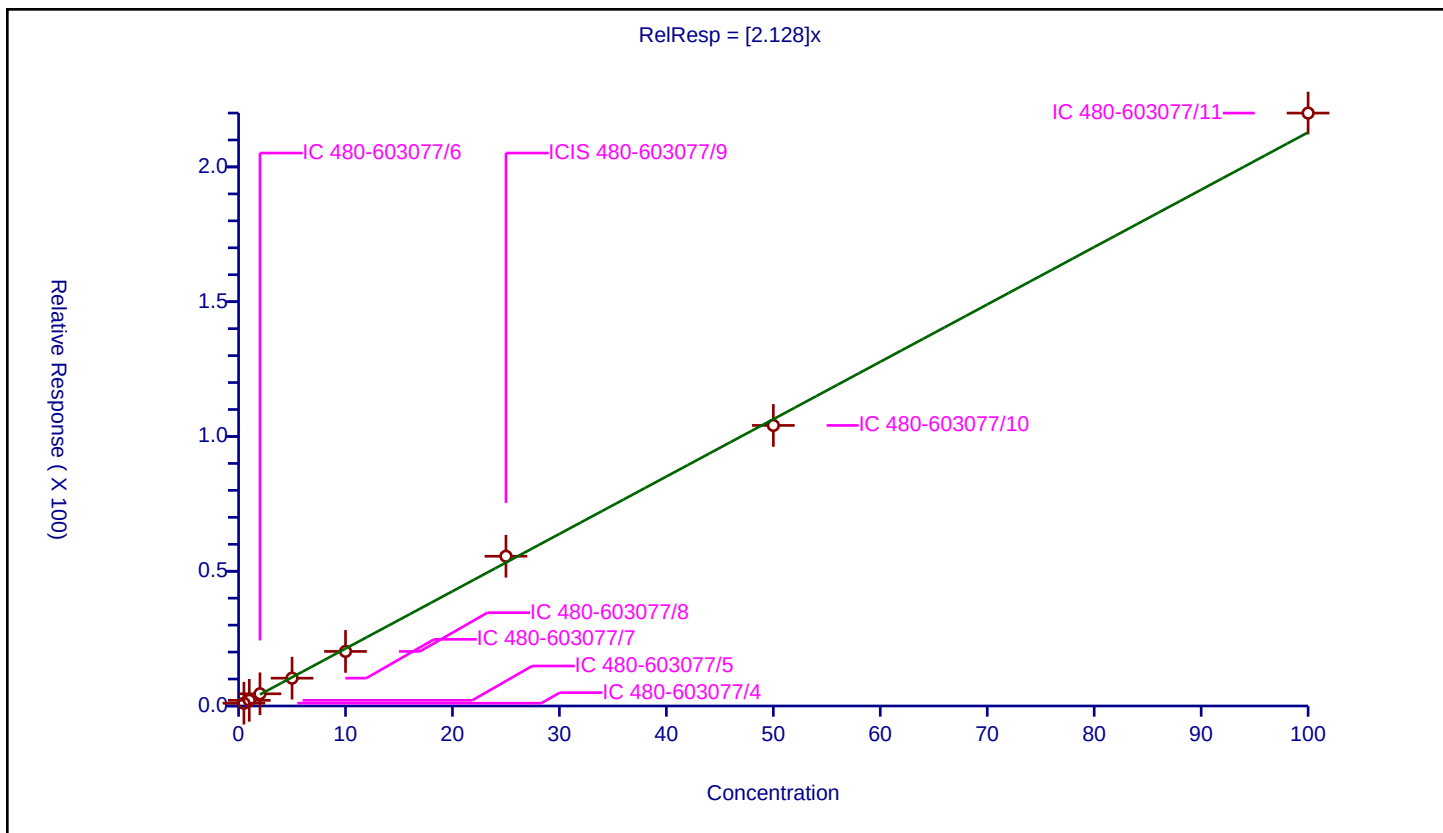
Curve Coefficients

Intercept: 0
 Slope: 2.128

Error Coefficients

Standard Error: 1280000
 Relative Standard Error: 4.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.029218	25.0	338218.0	2.058436	Y
2	IC 480-603077/5	1.0	2.105575	25.0	308918.0	2.105575	Y
3	IC 480-603077/6	2.0	4.535	25.0	329129.0	2.2675	Y
4	IC 480-603077/7	5.0	10.328332	25.0	301813.0	2.065666	Y
5	IC 480-603077/8	10.0	20.249607	25.0	343940.0	2.024961	Y
6	ICIS 480-603077/9	25.0	55.559826	25.0	326530.0	2.222393	Y
7	IC 480-603077/10	50.0	104.095724	25.0	349755.0	2.081914	Y
8	IC 480-603077/11	100.0	219.976302	25.0	335684.0	2.199763	Y



Calibration

/ 4-Isopropyltoluene

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

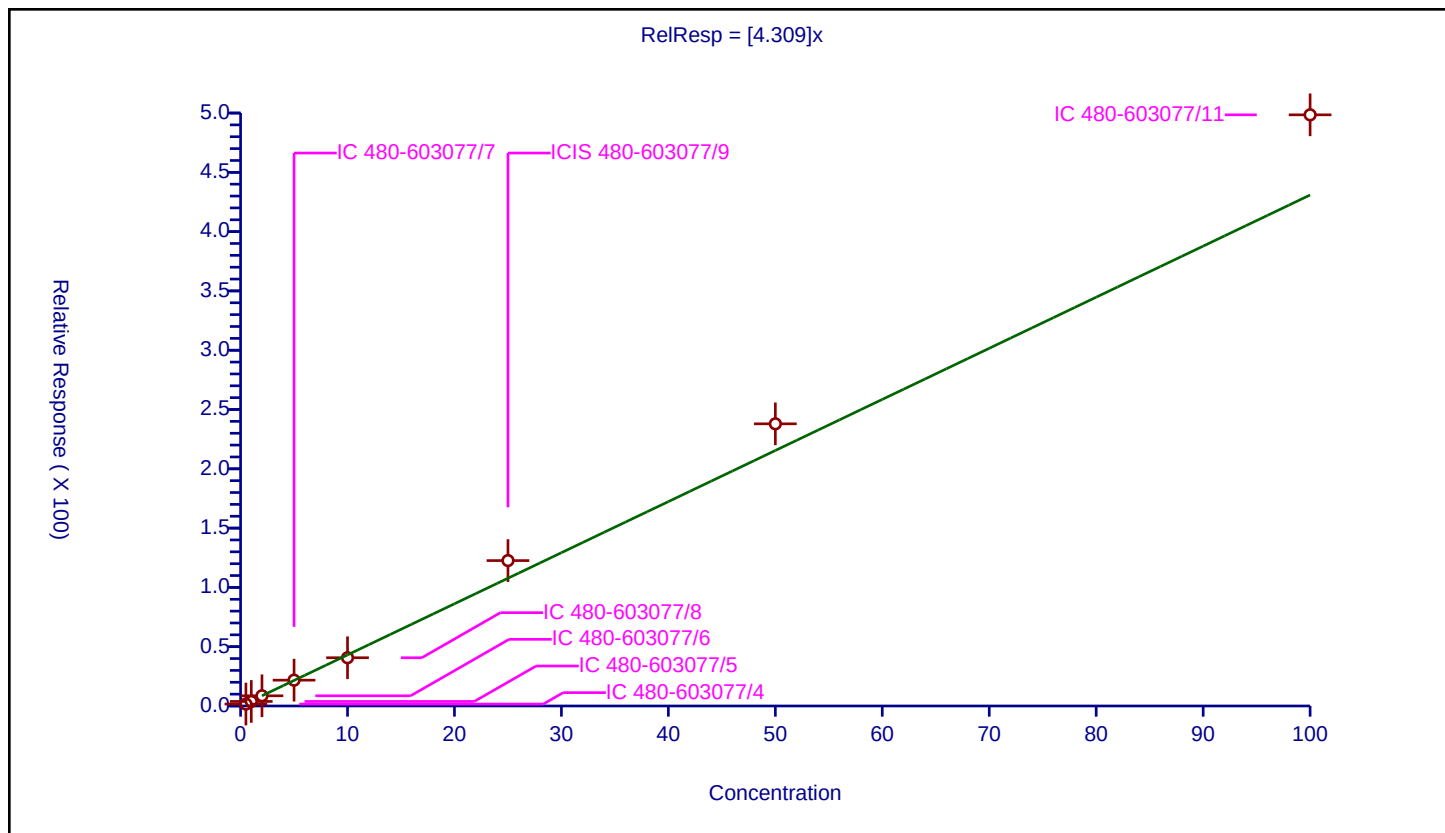
Curve Coefficients

Intercept: 0
 Slope: 4.309

Error Coefficients

Standard Error: 2900000
 Relative Standard Error: 13.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.63541	25.0	338218.0	3.270819	Y
2	IC 480-603077/5	1.0	3.83249	25.0	308918.0	3.83249	Y
3	IC 480-603077/6	2.0	8.592224	25.0	329129.0	4.296112	Y
4	IC 480-603077/7	5.0	21.767783	25.0	301813.0	4.353557	Y
5	IC 480-603077/8	10.0	40.686021	25.0	343940.0	4.068602	Y
6	ICIS 480-603077/9	25.0	122.623036	25.0	326530.0	4.904921	Y
7	IC 480-603077/10	50.0	237.930766	25.0	349755.0	4.758615	Y
8	IC 480-603077/11	100.0	498.46284	25.0	335684.0	4.984628	Y



Calibration

/ 1,4-Dichlorobenzene

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

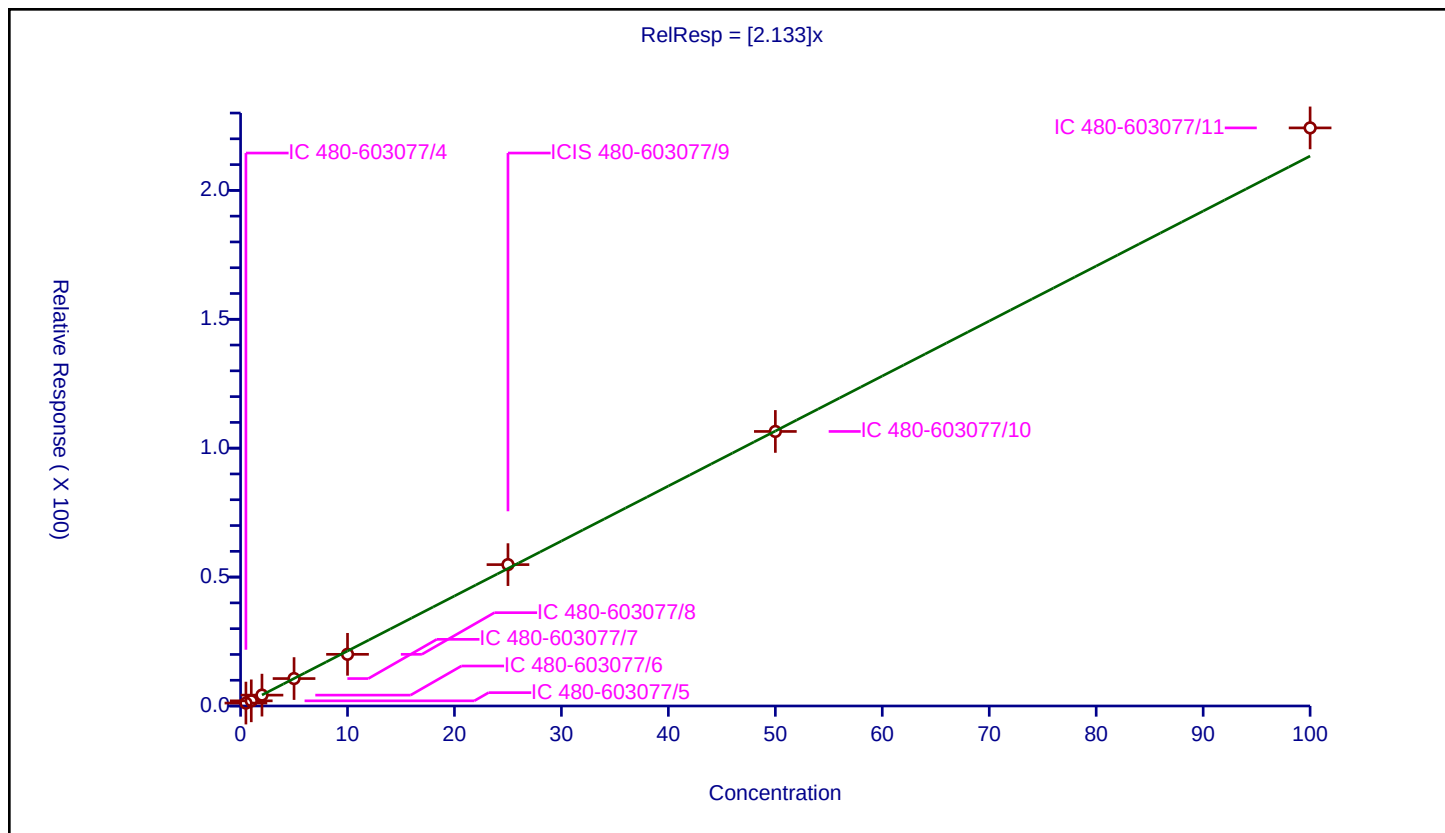
Curve Coefficients

Intercept: 0
 Slope: 2.133

Error Coefficients

Standard Error: 1300000
 Relative Standard Error: 4.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.128636	25.0	338218.0	2.257272	Y
2	IC 480-603077/5	1.0	1.998184	25.0	308918.0	1.998184	Y
3	IC 480-603077/6	2.0	4.221901	25.0	329129.0	2.11095	Y
4	IC 480-603077/7	5.0	10.63879	25.0	301813.0	2.127758	Y
5	IC 480-603077/8	10.0	20.052189	25.0	343940.0	2.005219	Y
6	ICIS 480-603077/9	25.0	54.836233	25.0	326530.0	2.193449	Y
7	IC 480-603077/10	50.0	106.491258	25.0	349755.0	2.129825	Y
8	IC 480-603077/11	100.0	224.231569	25.0	335684.0	2.242316	Y



Calibration

/ n-Butylbenzene

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

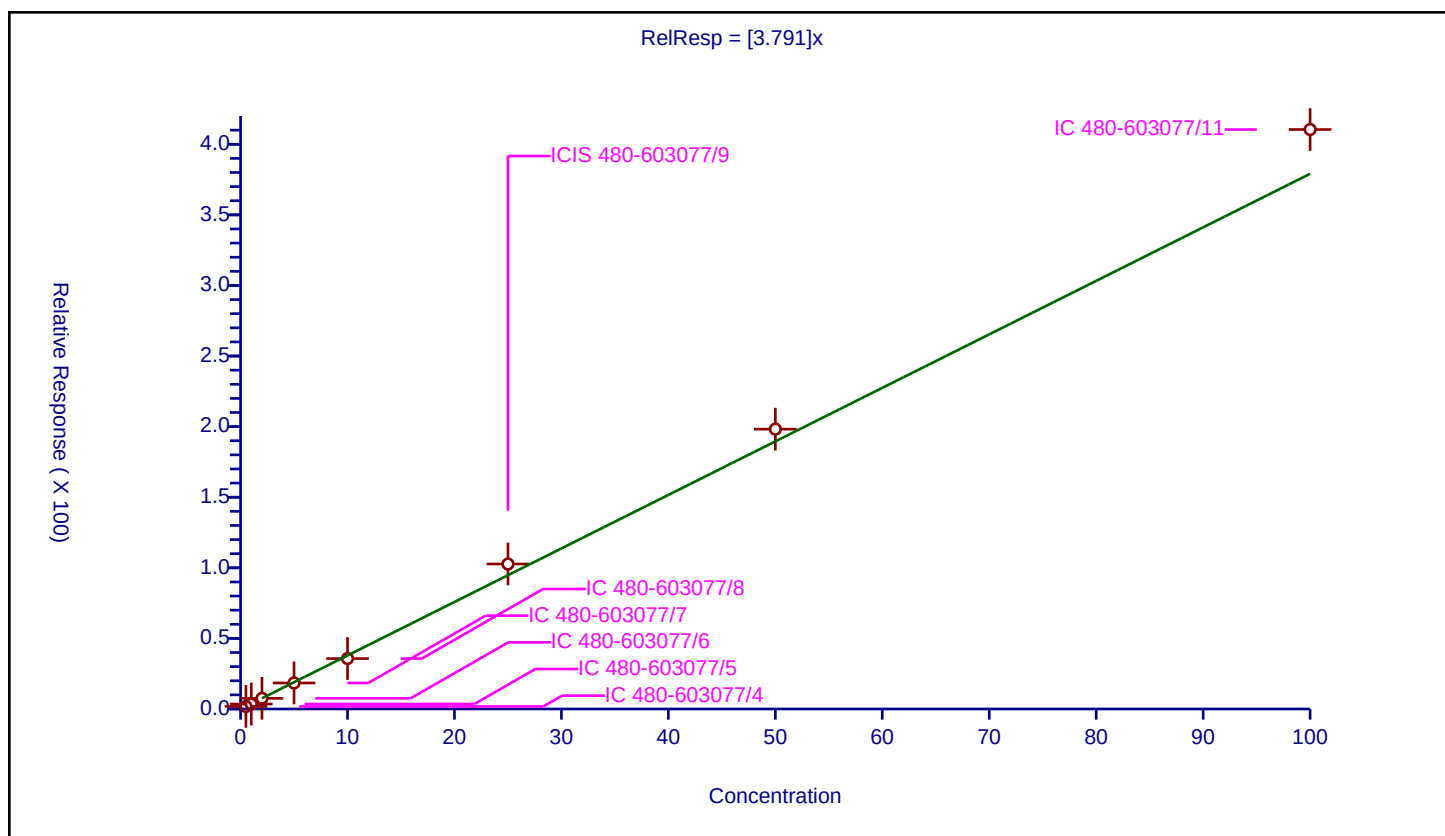
Curve Coefficients

Intercept: 0
 Slope: 3.791

Error Coefficients

Standard Error: 2400000
 Relative Standard Error: 6.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	1.807784	25.0	338218.0	3.615567	Y
2	IC 480-603077/5	1.0	3.496316	25.0	308918.0	3.496316	Y
3	IC 480-603077/6	2.0	7.548636	25.0	329129.0	3.774318	Y
4	IC 480-603077/7	5.0	18.446273	25.0	301813.0	3.689255	Y
5	IC 480-603077/8	10.0	35.73523	25.0	343940.0	3.573523	Y
6	ICIS 480-603077/9	25.0	102.700058	25.0	326530.0	4.108002	Y
7	IC 480-603077/10	50.0	198.219182	25.0	349755.0	3.964384	Y
8	IC 480-603077/11	100.0	410.43958	25.0	335684.0	4.104396	Y



Calibration

/ 1,2-Dichlorobenzene

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

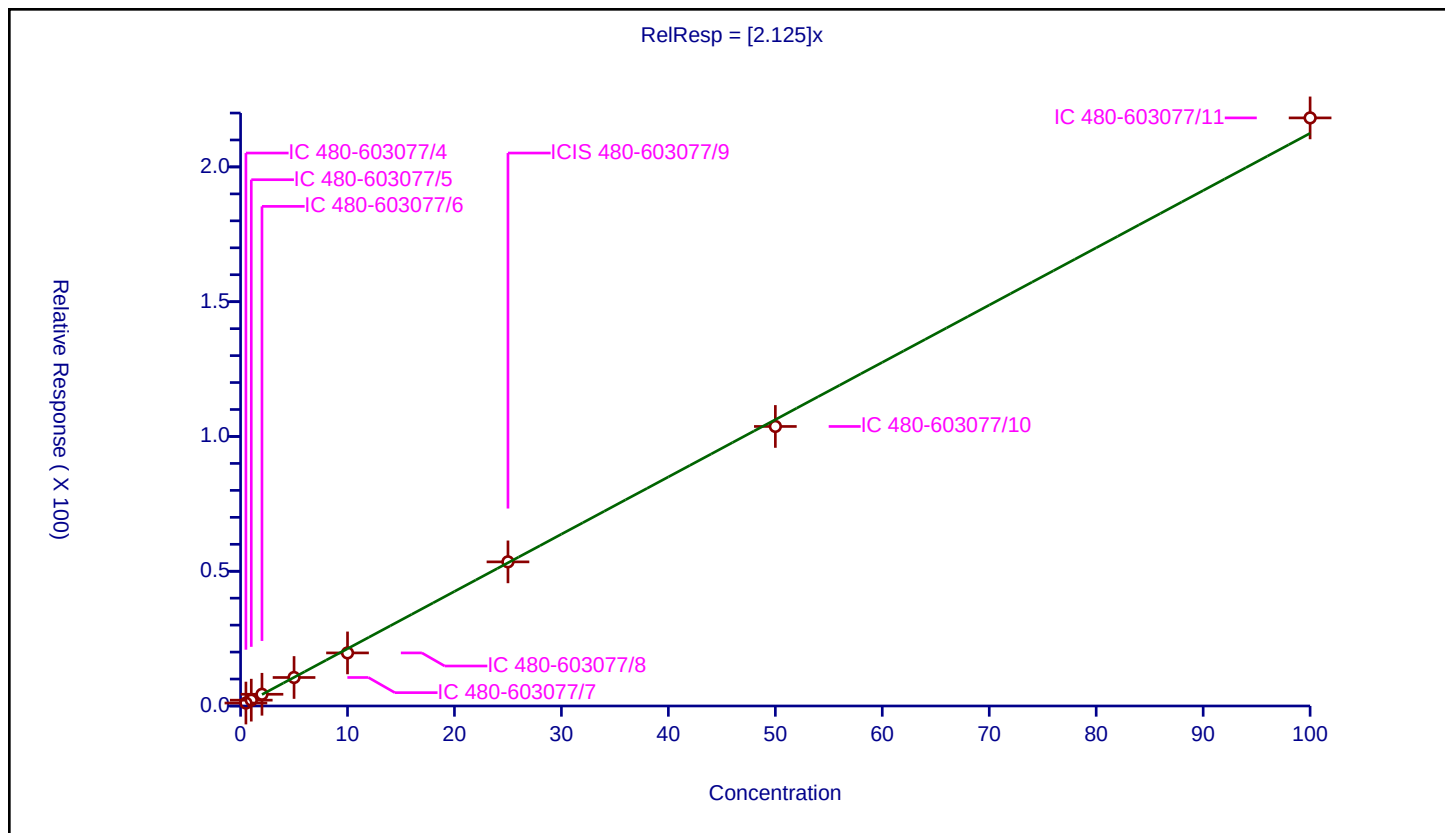
Curve Coefficients

Intercept: 0
 Slope: 2.125

Error Coefficients

Standard Error: 1270000
 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 480-603077/4	0.5	1.090421	25.0	338218.0	2.180842	Y
2	IC 480-603077/5	1.0	2.164814	25.0	308918.0	2.164814	Y
3	IC 480-603077/6	2.0	4.346396	25.0	329129.0	2.173198	Y
4	IC 480-603077/7	5.0	10.577245	25.0	301813.0	2.115449	Y
5	IC 480-603077/8	10.0	19.694569	25.0	343940.0	1.969457	Y
6	ICIS 480-603077/9	25.0	53.483524	25.0	326530.0	2.139341	Y
7	IC 480-603077/10	50.0	103.724607	25.0	349755.0	2.074492	Y
8	IC 480-603077/11	100.0	218.188609	25.0	335684.0	2.181886	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

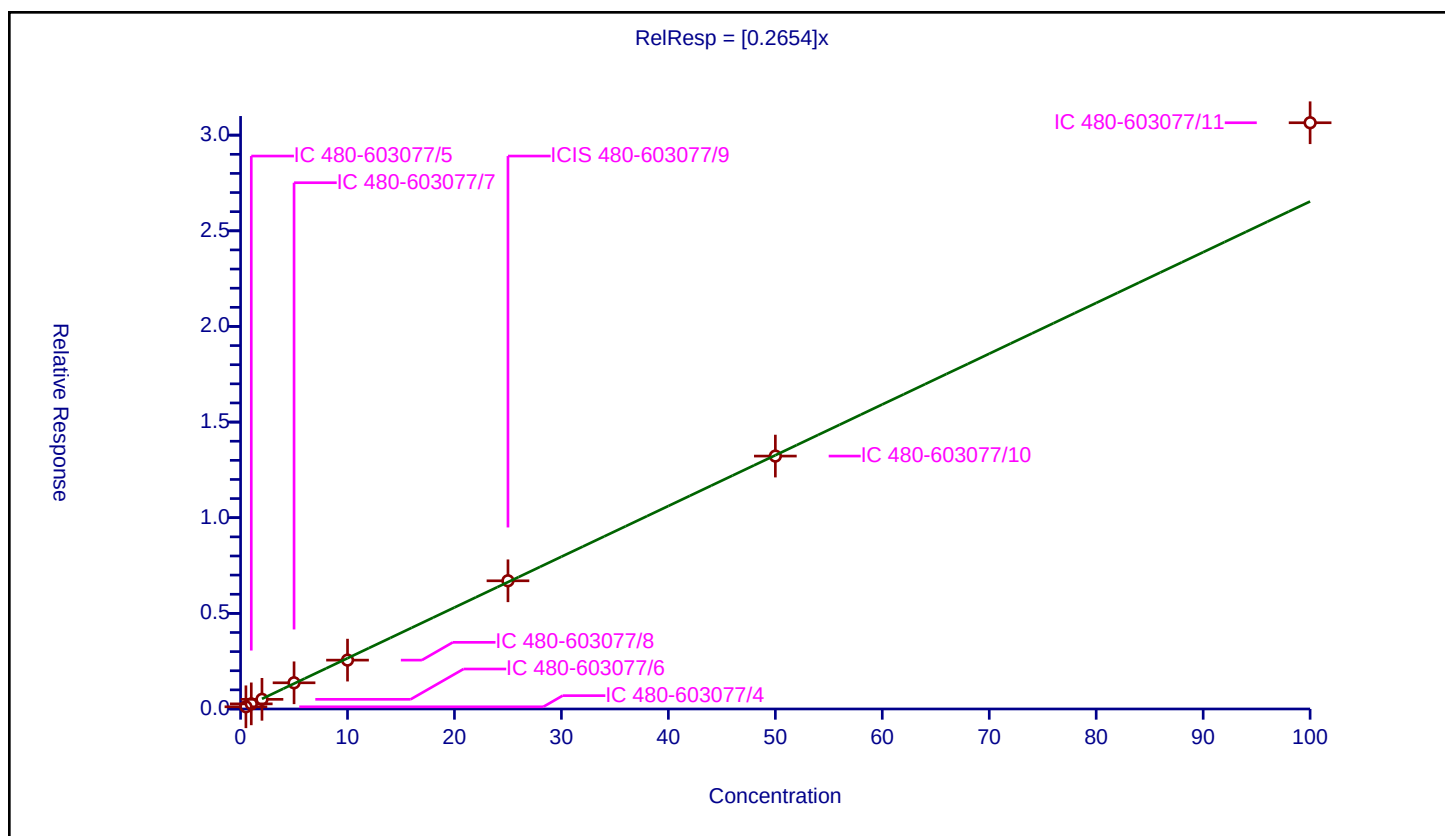
Curve Coefficients

Intercept: 0
Slope: 0.2654

Error Coefficients

Standard Error: 174000
Relative Standard Error: 7.8
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.116862	25.0	338218.0	0.233725	Y
2	IC 480-603077/5	1.0	0.26779	25.0	308918.0	0.26779	Y
3	IC 480-603077/6	2.0	0.505273	25.0	329129.0	0.252637	Y
4	IC 480-603077/7	5.0	1.369639	25.0	301813.0	0.273928	Y
5	IC 480-603077/8	10.0	2.556478	25.0	343940.0	0.255648	Y
6	ICIS 480-603077/9	25.0	6.703672	25.0	326530.0	0.268147	Y
7	IC 480-603077/10	50.0	13.222184	25.0	349755.0	0.264444	Y
8	IC 480-603077/11	100.0	30.648318	25.0	335684.0	0.306483	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

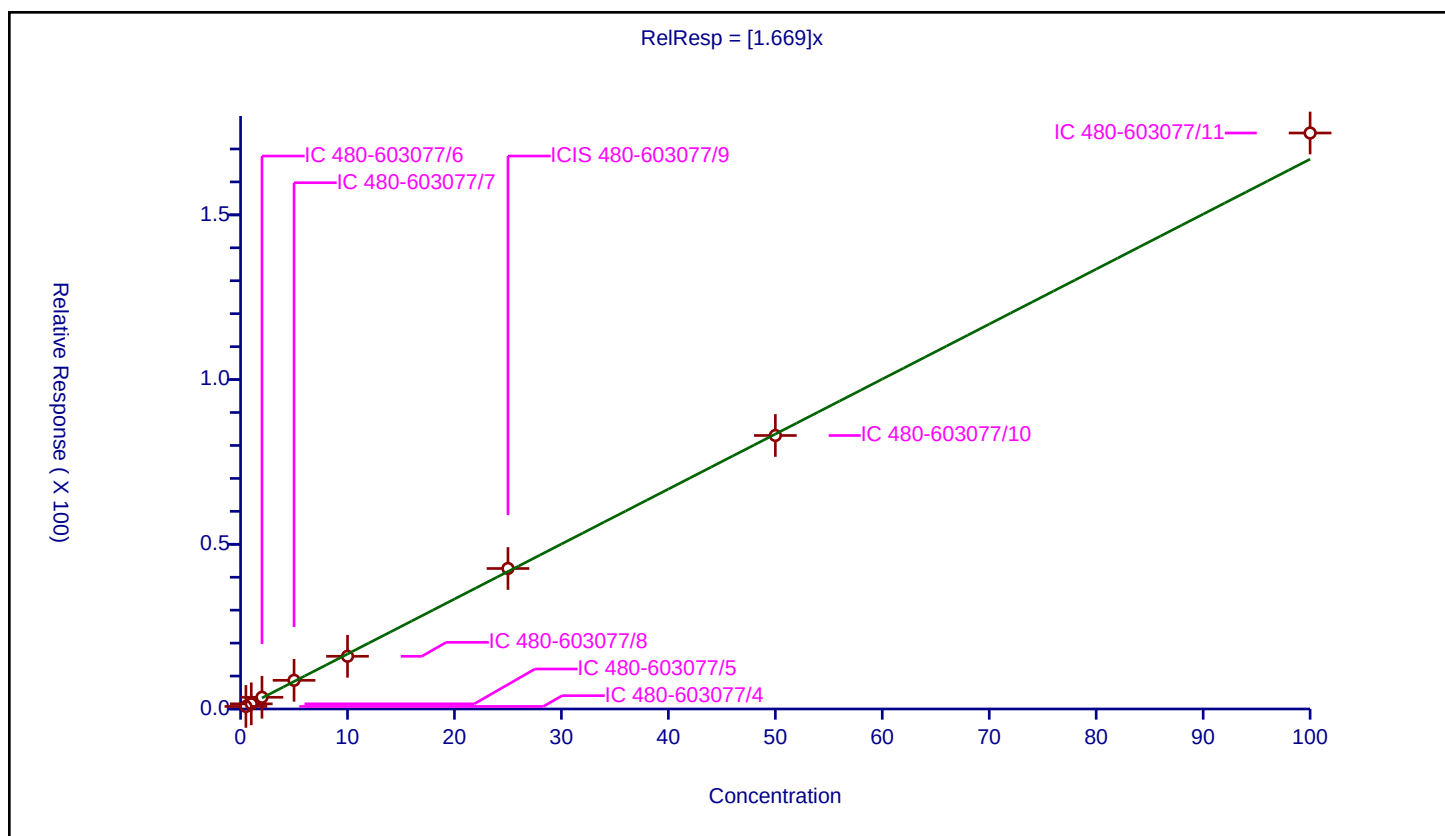
Curve Coefficients

Intercept: 0
 Slope: 1.669

Error Coefficients

Standard Error: 1020000
 Relative Standard Error: 5.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.769622	25.0	338218.0	1.539244	Y
2	IC 480-603077/5	1.0	1.577765	25.0	308918.0	1.577765	Y
3	IC 480-603077/6	2.0	3.555749	25.0	329129.0	1.777874	Y
4	IC 480-603077/7	5.0	8.707627	25.0	301813.0	1.741525	Y
5	IC 480-603077/8	10.0	16.006571	25.0	343940.0	1.600657	Y
6	ICIS 480-603077/9	25.0	42.65726	25.0	326530.0	1.70629	Y
7	IC 480-603077/10	50.0	83.025618	25.0	349755.0	1.660512	Y
8	IC 480-603077/11	100.0	174.844571	25.0	335684.0	1.748446	Y



Calibration

/ Hexachlorobutadiene

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

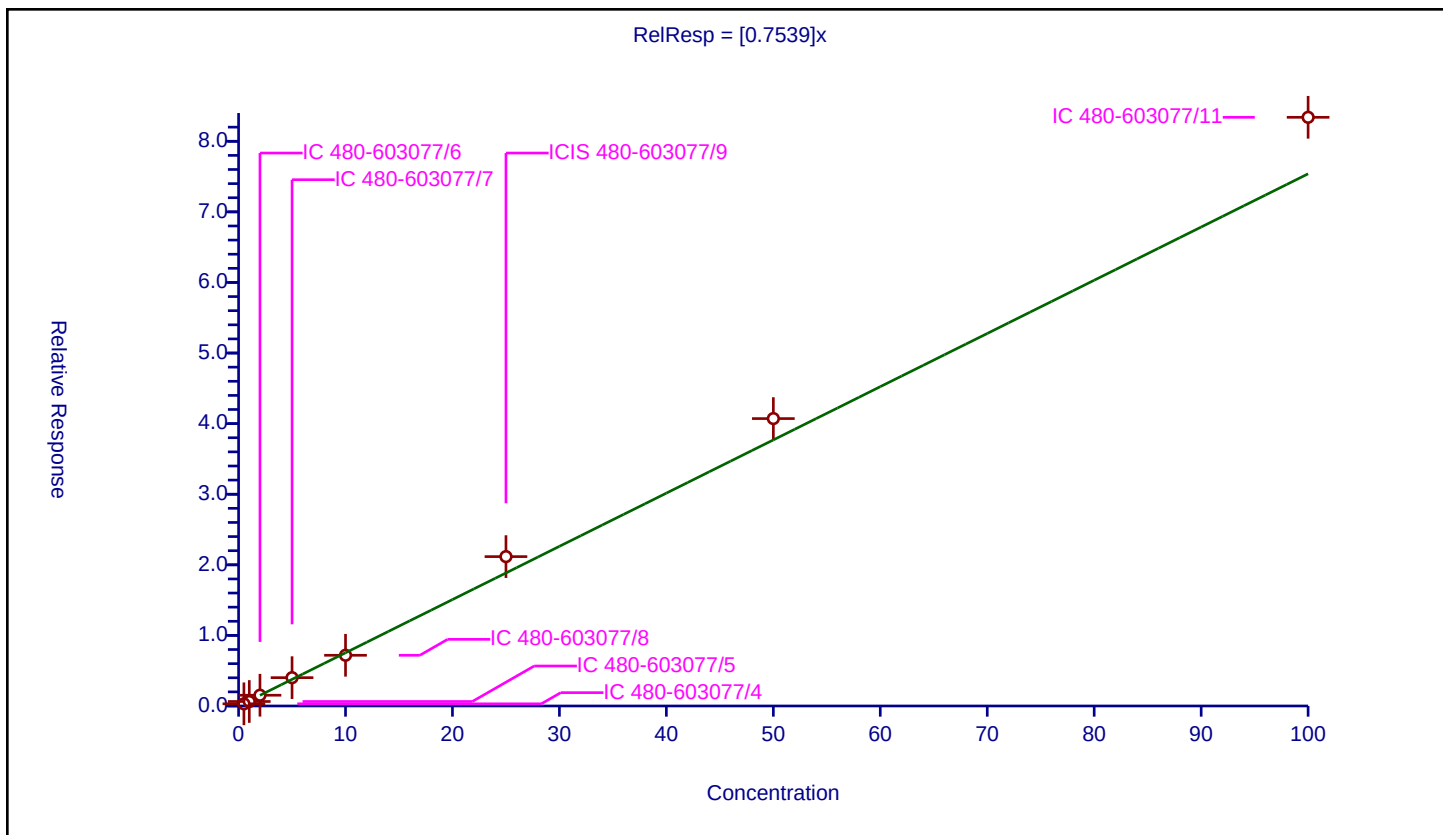
Curve Coefficients

Intercept: 0
 Slope: 0.7539

Error Coefficients

Standard Error: 488000
 Relative Standard Error: 11.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.308455	25.0	338218.0	0.61691	Y
2	IC 480-603077/5	1.0	0.636172	25.0	308918.0	0.636172	Y
3	IC 480-603077/6	2.0	1.524706	25.0	329129.0	0.762353	Y
4	IC 480-603077/7	5.0	4.011756	25.0	301813.0	0.802351	Y
5	IC 480-603077/8	10.0	7.186137	25.0	343940.0	0.718614	Y
6	ICIS 480-603077/9	25.0	21.161762	25.0	326530.0	0.84647	Y
7	IC 480-603077/10	50.0	40.715358	25.0	349755.0	0.814307	Y
8	IC 480-603077/11	100.0	83.39048	25.0	335684.0	0.833905	Y



Calibration

/ Naphthalene

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

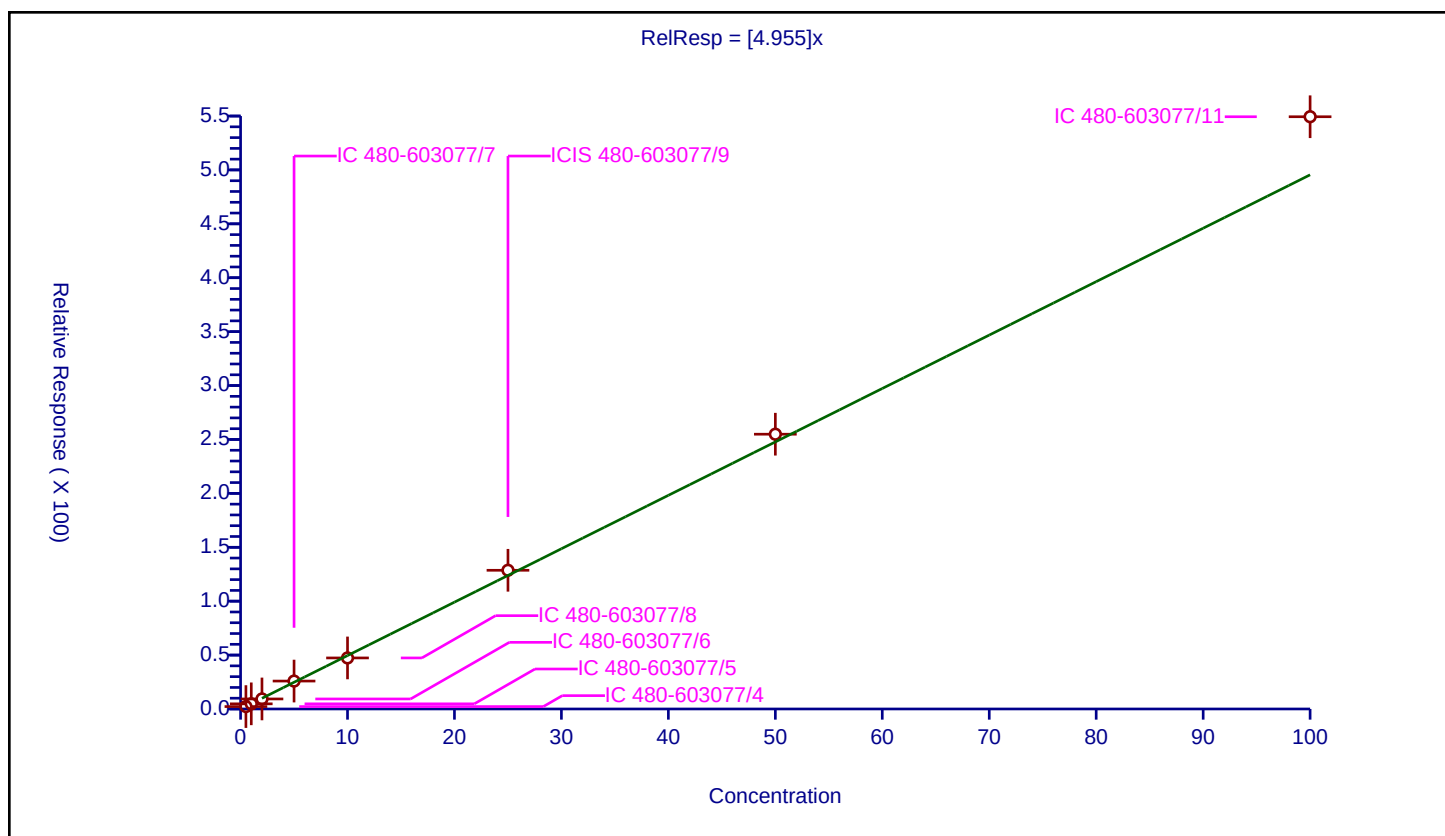
Curve Coefficients

Intercept: 0
 Slope: 4.955

Error Coefficients

Standard Error: 3170000
 Relative Standard Error: 6.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	2.266585	25.0	338218.0	4.533171	Y
2	IC 480-603077/5	1.0	4.795124	25.0	308918.0	4.795124	Y
3	IC 480-603077/6	2.0	9.310787	25.0	329129.0	4.655393	Y
4	IC 480-603077/7	5.0	25.896582	25.0	301813.0	5.179316	Y
5	IC 480-603077/8	10.0	47.364511	25.0	343940.0	4.736451	Y
6	ICIS 480-603077/9	25.0	128.663446	25.0	326530.0	5.146538	Y
7	IC 480-603077/10	50.0	254.875198	25.0	349755.0	5.097504	Y
8	IC 480-603077/11	100.0	549.353559	25.0	335684.0	5.493536	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

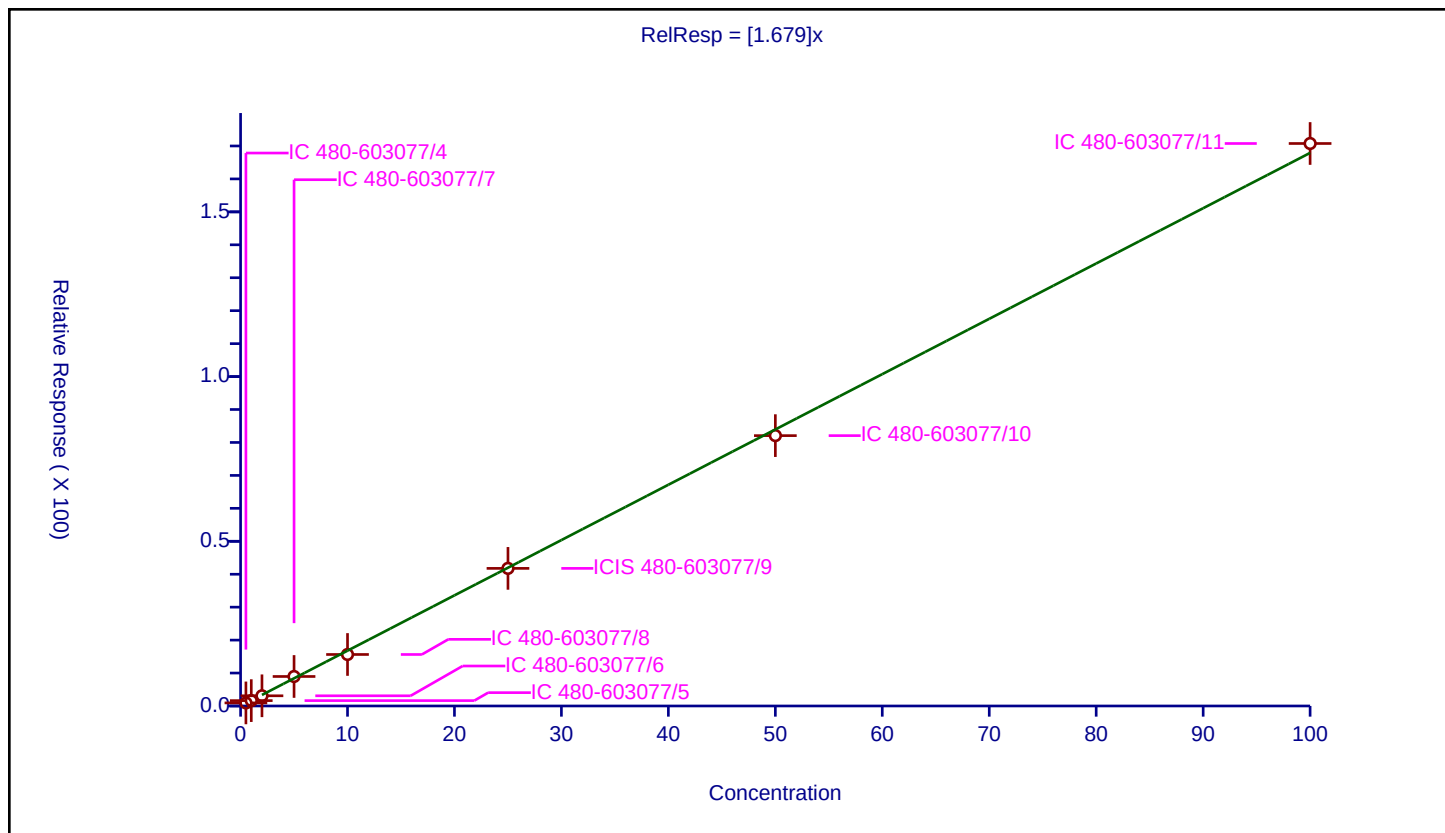
Curve Coefficients

Intercept: 0
 Slope: 1.679

Error Coefficients

Standard Error: 995000
 Relative Standard Error: 6.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603077/4	0.5	0.937783	25.0	338218.0	1.875565	Y
2	IC 480-603077/5	1.0	1.635224	25.0	308918.0	1.635224	Y
3	IC 480-603077/6	2.0	3.093012	25.0	329129.0	1.546506	Y
4	IC 480-603077/7	5.0	8.956125	25.0	301813.0	1.791225	Y
5	IC 480-603077/8	10.0	15.633831	25.0	343940.0	1.563383	Y
6	ICIS 480-603077/9	25.0	41.775181	25.0	326530.0	1.671007	Y
7	IC 480-603077/10	50.0	82.076525	25.0	349755.0	1.64153	Y
8	IC 480-603077/11	100.0	170.743765	25.0	335684.0	1.707438	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: ICV 480-603077/25 Calibration Date: 11/03/2021 00:10
 Instrument ID: HP5973S Calib Start Date: 11/02/2021 16:02
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/02/2021 18:45
 Lab File ID: S5651.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	1.477	1.475	0.1000	25.0	25.0	-0.1	50.0
Chloromethane	Ave	2.640	2.464	0.1000	23.3	25.0	-6.7	30.0
Vinyl chloride	Ave	2.217	2.076	0.1000	23.4	25.0	-6.4	30.0
Butadiene	Ave	2.780	2.546		22.9	25.0	-8.4	30.0
Bromomethane	Ave	1.173	1.063	0.1000	22.7	25.0	-9.4	50.0
Chloroethane	Ave	1.354	1.246	0.1000	23.0	25.0	-8.0	50.0
Dichlorofluoromethane	Ave	2.960	2.668		22.5	25.0	-9.9	30.0
Trichlorofluoromethane	Ave	2.401	2.245	0.1000	23.4	25.0	-6.5	30.0
Ethyl ether	Ave	1.850	1.704		23.0	25.0	-7.9	30.0
Acrolein	Ave	0.1049	0.0907		108	125	-13.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.306	1.328	0.1000	25.4	25.0	1.7	30.0
1,1-Dichloroethene	Ave	1.336	1.345	0.1000	25.2	25.0	0.7	30.0
Acetone	Ave	0.9718	0.8254	0.1000	106	125	-15.1	50.0
Iodomethane	Ave	2.249	2.234		24.8	25.0	-0.7	30.0
Carbon disulfide	Ave	4.903	4.941	0.1000	25.2	25.0	0.8	30.0
Allyl chloride	Ave	3.609	3.417		23.7	25.0	-5.3	30.0
Methyl acetate	Ave	2.458	2.216	0.1000	45.1	50.0	-9.9	50.0
Methylene Chloride	Lin1		1.679	0.1000	24.6	25.0	-1.7	30.0
2-Methyl-2-propanol	Ave	0.3287	0.2455		187	250	-25.3	50.0
Methyl tert-butyl ether	Ave	5.641	5.478	0.1000	24.3	25.0	-2.9	30.0
trans-1,2-Dichloroethene	Ave	1.682	1.613	0.1000	24.0	25.0	-4.1	30.0
Acrylonitrile	Ave	1.226	1.121		229	250	-8.5	30.0
Hexane	Ave	3.239	3.318		25.6	25.0	2.4	30.0
1,1-Dichloroethane	Ave	3.373	3.336	0.2000	24.7	25.0	-1.1	30.0
Vinyl acetate	Ave	6.083	5.433		44.7	50.0	-10.7	30.0
2,2-Dichloropropane	Ave	1.596	1.303		20.4	25.0	-18.4	30.0
cis-1,2-Dichloroethene	Ave	1.858	1.748	0.1000	23.5	25.0	-5.9	30.0
2-Butanone (MEK)	Ave	1.563	1.428	0.1000	114	125	-8.6	30.0
Chlorobromomethane	Ave	0.9266	0.8543		23.0	25.0	-7.8	30.0
Tetrahydrofuran	Ave	1.088	0.9746		44.8	50.0	-10.4	30.0
Chloroform	Ave	3.068	2.891	0.2000	23.6	25.0	-5.8	30.0
1,1,1-Trichloroethane	Ave	2.544	2.548	0.1000	25.0	25.0	0.1	30.0
Cyclohexane	Ave	3.828	4.004	0.1000	26.1	25.0	4.6	30.0
Carbon tetrachloride	Ave	1.952	2.098	0.1000	26.9	25.0	7.5	30.0
1,1-Dichloropropene	Ave	2.328	2.361		25.4	25.0	1.4	30.0
Benzene	Ave	6.892	6.690	0.5000	24.3	25.0	-2.9	30.0
Isobutyl alcohol	Ave	0.1652	0.1300		492	625	-21.3	50.0
1,2-Dichloroethane	Ave	2.995	2.673	0.1000	22.3	25.0	-10.7	30.0
n-Heptane	Ave	4.038	4.550		28.2	25.0	12.7	30.0
Trichloroethene	Ave	1.697	1.681	0.2000	24.8	25.0	-0.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: ICV 480-603077/25 Calibration Date: 11/03/2021 00:10
 Instrument ID: HP5973S Calib Start Date: 11/02/2021 16:02
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/02/2021 18:45
 Lab File ID: S5651.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	Ave	3.063	3.246	0.1000	26.5	25.0	6.0	30.0
1,2-Dichloropropane	Ave	2.022	1.903	0.1000	23.5	25.0	-5.9	30.0
Dibromomethane	Ave	1.080	1.020	0.1000	23.6	25.0	-5.6	30.0
1,4-Dioxane	Ave	0.0119	0.0100		420	500	-16.1	50.0
Bromodichloromethane	Ave	2.099	2.034	0.2000	24.2	25.0	-3.1	30.0
2-Chloroethyl vinyl ether	Ave	1.390	1.398		25.2	25.0	0.6	30.0
cis-1,3-Dichloropropene	Ave	2.845	2.714	0.2000	23.8	25.0	-4.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.578	1.507	0.1000	119	125	-4.5	30.0
Toluene	Ave	2.085	2.151	0.4000	25.8	25.0	3.2	30.0
trans-1,3-Dichloropropene	Ave	1.305	1.277	0.1000	24.5	25.0	-2.1	30.0
Ethyl methacrylate	Ave	1.262	1.294		25.6	25.0	2.5	30.0
1,1,2-Trichloroethane	Ave	0.6502	0.6294	0.1000	24.2	25.0	-3.2	30.0
Tetrachloroethene	Ave	0.8970	0.9102	0.2000	25.4	25.0	1.5	30.0
1,3-Dichloropropane	Ave	1.387	1.373		24.7	25.0	-1.0	30.0
2-Hexanone	Ave	1.125	1.101	0.1000	122	125	-2.2	30.0
Dibromochloromethane	Ave	0.7178	0.7441	0.1000	25.9	25.0	3.7	30.0
1,2-Dibromoethane	Ave	0.8295	0.8055		24.3	25.0	-2.9	30.0
Chlorobenzene	Ave	2.370	2.329	0.5000	24.6	25.0	-1.7	30.0
Ethylbenzene	Ave	3.954	4.084	0.1000	25.8	25.0	3.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.8034	0.7826		24.4	25.0	-2.6	30.0
m,p-Xylene	Ave	1.554	1.615	0.1000	26.0	25.0	4.0	30.0
o-Xylene	Ave	1.538	1.579	0.3000	25.7	25.0	2.7	30.0
Styrene	Ave	2.454	2.613	0.3000	26.6	25.0	6.5	30.0
Bromoform	Ave	0.4818	0.4766	0.1000	24.7	25.0	-1.1	50.0
Isopropylbenzene	Ave	4.342	4.556	0.1000	26.2	25.0	4.9	30.0
Bromobenzene	Ave	1.072	1.031		24.0	25.0	-3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	1.231	1.214	0.3000	24.7	25.0	-1.3	30.0
N-Propylbenzene	Ave	5.011	5.332		26.6	25.0	6.4	30.0
1,2,3-Trichloropropane	Ave	0.4248	0.4102		24.1	25.0	-3.4	30.0
trans-1,4-Dichloro-2-butene	Lin		0.3092		22.1	25.0	-11.8	50.0
2-Chlorotoluene	Ave	1.041	1.030		24.7	25.0	-1.0	30.0
1,3,5-Trimethylbenzene	Ave	3.716	3.836		25.8	25.0	3.2	30.0
4-Chlorotoluene	Ave	1.034	1.082		26.2	25.0	4.7	30.0
tert-Butylbenzene	Ave	0.8222	0.8908		27.1	25.0	8.4	30.0
1,2,4-Trimethylbenzene	Ave	3.845	3.954		25.7	25.0	2.8	30.0
sec-Butylbenzene	Ave	4.632	5.035		27.2	25.0	8.7	30.0
1,3-Dichlorobenzene	Ave	2.128	2.114	0.6000	24.8	25.0	-0.7	30.0
4-Isopropyltoluene	Ave	4.309	4.723		27.4	25.0	9.6	30.0
1,4-Dichlorobenzene	Ave	2.133	2.143	0.5000	25.1	25.0	0.5	30.0
n-Butylbenzene	Ave	3.791	3.938		26.0	25.0	3.9	30.0
1,2-Dichlorobenzene	Ave	2.125	2.070	0.4000	24.4	25.0	-2.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: ICV 480-603077/25 Calibration Date: 11/03/2021 00:10
 Instrument ID: HP5973S Calib Start Date: 11/02/2021 16:02
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/02/2021 18:45
 Lab File ID: S5651.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	0.2654	0.2692	0.0500	25.4	25.0	1.5	50.0
1,2,4-Trichlorobenzene	Ave	1.669	1.623	0.2000	24.3	25.0	-2.8	30.0
Hexachlorobutadiene	Ave	0.7539	0.7624		25.3	25.0	1.1	30.0
Naphthalene	Ave	4.955	4.923		24.8	25.0	-0.6	30.0
1,2,3-Trichlorobenzene	Ave	1.679	1.610		24.0	25.0	-4.1	30.0
Dibromofluoromethane (Surr)	Ave	1.246	1.188		23.8	25.0	-4.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8783	0.8155		23.2	25.0	-7.2	30.0
Toluene-d8 (Surr)	Ave	2.564	2.562		25.0	25.0	-0.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.7672	0.7664		25.0	25.0	-0.1	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5651.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 03-Nov-2021 00:10:30 ALS Bottle#: 24 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 480-0102107-025
 Operator ID: LH Instrument ID: HP5973S
 Sublist:
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:19:43 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 03-Nov-2021 12:09:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.993	4.993	0.000	98	185235	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	89	365627	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	64	333746	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	0.000	56	220083	25.0	23.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.725	4.732	-0.007	48	151057	25.0	23.2	
\$ 5 Toluene-d8 (Surr)	98	6.490	6.496	-0.006	66	936707	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	89	280206	25.0	25.0	
10 Dichlorodifluoromethane	85	1.081	1.082	-0.001	88	273259	25.0	25.0	
12 Chloromethane	50	1.240	1.240	0.000	88	456418	25.0	23.3	
13 Vinyl chloride	62	1.313	1.313	-0.001	82	384558	25.0	23.4	
151 Butadiene	54	1.325	1.325	0.000	73	471625	25.0	22.9	
14 Bromomethane	94	1.580	1.593	-0.013	89	196931	25.0	22.7	
15 Chloroethane	64	1.647	1.653	-0.006	94	230749	25.0	23.0	
17 Trichlorofluoromethane	101	1.848	1.848	0.000	68	415944	25.0	23.4	
16 Dichlorofluoromethane	67	1.848	1.848	0.000	80	494270	25.0	22.5	
18 Ethyl ether	59	2.091	2.091	0.000	95	315717	25.0	23.0	
20 Acrolein	56	2.262	2.268	-0.006	96	84028	125.0	108.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.298	2.304	-0.006	64	245901	25.0	25.4	
22 1,1-Dichloroethene	96	2.310	2.316	-0.006	84	249111	25.0	25.2	
23 Acetone	43	2.414	2.420	-0.006	98	764470	125.0	106.2	
25 Iodomethane	142	2.462	2.469	-0.007	99	413749	25.0	24.8	
26 Carbon disulfide	76	2.493	2.499	-0.006	100	915331	25.0	25.2	
28 3-Chloro-1-propene	41	2.645	2.651	-0.006	88	632903	25.0	23.7	
27 Methyl acetate	43	2.700	2.700	0.000	97	820901	50.0	45.1	
30 Methylene Chloride	84	2.809	2.815	-0.006	88	311038	25.0	24.6	
31 2-Methyl-2-propanol	59	2.967	2.980	-0.013	81	454684	250.0	186.7	
32 Methyl tert-butyl ether	73	2.998	2.998	0.000	94	1014794	25.0	24.3	
34 trans-1,2-Dichloroethene	96	3.004	3.010	-0.006	82	298859	25.0	24.0	
33 Acrylonitrile	53	3.071	3.071	0.000	97	2077220	250.0	228.7	
35 Hexane	57	3.198	3.199	-0.001	91	614559	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.417	3.418	-0.001	85	617923	25.0	24.7	
37 Vinyl acetate	43	3.478	3.478	0.000	96	2012912	50.0	44.7	
44 2,2-Dichloropropane	77	3.922	3.923	-0.001	89	241311	25.0	20.4	
45 cis-1,2-Dichloroethene	96	3.959	3.959	0.000	71	323774	25.0	23.5	
43 2-Butanone (MEK)	43	4.001	4.008	-0.007	98	1322256	125.0	114.2	
48 Chlorobromomethane	128	4.196	4.196	0.000	89	158250	25.0	23.0	
49 Tetrahydrofuran	42	4.208	4.208	0.000	92	361052	50.0	44.8	
50 Chloroform	83	4.275	4.275	0.000	82	535503	25.0	23.6	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	70	472014	25.0	25.0	
52 Cyclohexane	56	4.373	4.379	-0.006	93	741679	25.0	26.1	
55 Carbon tetrachloride	117	4.506	4.507	-0.001	80	388637	25.0	26.9	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	90	437288	25.0	25.4	
57 Benzene	78	4.725	4.726	-0.001	96	1239158	25.0	24.3	
53 Isobutyl alcohol	43	4.774	4.774	0.000	60	601924	625.0	491.7	
58 1,2-Dichloroethane	62	4.798	4.799	-0.001	72	495214	25.0	22.3	
59 n-Heptane	43	4.908	4.908	0.000	96	842810	25.0	28.2	
62 Trichloroethene	95	5.334	5.334	0.000	91	311340	25.0	24.8	
64 Methylcyclohexane	83	5.443	5.437	0.006	97	601313	25.0	26.5	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	89	352504	25.0	23.5	
67 Dibromomethane	93	5.705	5.705	0.000	92	188926	25.0	23.6	
66 1,4-Dioxane	88	5.723	5.723	0.000	40	73172	500.0	419.7	
68 Dichlorobromomethane	83	5.863	5.869	-0.006	87	376765	25.0	24.2	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	89	259000	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	86	502758	25.0	23.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.429	6.429	0.000	99	2755442	125.0	119.4	
74 Toluene	92	6.557	6.557	0.000	88	786639	25.0	25.8	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	94	466887	25.0	24.5	
75 Ethyl methacrylate	69	6.903	6.903	0.000	77	472943	25.0	25.6	
79 1,1,2-Trichloroethane	83	7.037	7.037	0.000	89	230127	25.0	24.2	
81 Tetrachloroethene	166	7.080	7.080	0.000	83	332791	25.0	25.4	
82 1,3-Dichloropropane	76	7.189	7.189	0.000	97	501999	25.0	24.7	
80 2-Hexanone	43	7.268	7.268	0.000	98	2012578	125.0	122.3	
83 Chlorodibromomethane	129	7.420	7.421	-0.001	84	272062	25.0	25.9	
84 Ethylene Dibromide	107	7.518	7.518	0.000	97	294504	25.0	24.3	
87 Chlorobenzene	112	7.992	7.992	0.000	92	851696	25.0	24.6	
88 Ethylbenzene	91	8.090	8.090	0.000	99	1493381	25.0	25.8	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	41	286151	25.0	24.4	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	590647	25.0	26.0	
91 o-Xylene	106	8.631	8.631	0.000	97	577371	25.0	25.7	
92 Styrene	104	8.668	8.662	0.006	94	955528	25.0	26.6	
95 Bromoform	173	8.905	8.905	0.000	94	174258	25.0	24.7	
94 Isopropylbenzene	105	9.014	9.014	0.000	97	1520480	25.0	26.2	
101 Bromobenzene	156	9.367	9.367	0.000	96	344005	25.0	24.0	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.446	0.000	70	405326	25.0	24.7	
99 N-Propylbenzene	91	9.465	9.459	0.005	97	1779405	25.0	26.6	
100 1,2,3-Trichloropropane	110	9.477	9.471	0.006	70	136913	25.0	24.1	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	84	103188	25.0	22.1	
103 2-Chlorotoluene	126	9.562	9.562	0.000	93	343773	25.0	24.7	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	93	1280090	25.0	25.8	
105 4-Chlorotoluene	126	9.684	9.684	0.000	97	361135	25.0	26.2	
106 tert-Butylbenzene	134	9.976	9.976	0.000	92	297314	25.0	27.1	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	86	1319495	25.0	25.7	

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	10.188	10.189	-0.001	94	1680562	25.0	27.2	
111 1,3-Dichlorobenzene	146	10.322	10.322	0.000	96	705478	25.0	24.8	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	95	1576266	25.0	27.4	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	92	715223	25.0	25.1	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	1314269	25.0	26.0	
116 1,2-Dichlorobenzene	146	10.772	10.773	-0.001	94	690861	25.0	24.4	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	77	89852	25.0	25.4	
119 1,2,4-Trichlorobenzene	180	12.190	12.190	0.000	93	541543	25.0	24.3	
120 Hexachlorobutadiene	225	12.306	12.306	0.000	92	254459	25.0	25.3	
121 Naphthalene	128	12.403	12.403	0.000	97	1643171	25.0	24.8	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	94	537419	25.0	24.0	

QC Flag Legend

Processing Flags

Reagents:

SS GAS CORP_00430	Amount Added: 12.50	Units: uL	
SS 8260 CORP_00096	Amount Added: 12.50	Units: uL	
S_8260_IS_00352	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5651.D

Injection Date: 03-Nov-2021 00:10:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: ICV

Worklist Smp#: 25

Client ID:

Purge Vol: 5.000 mL

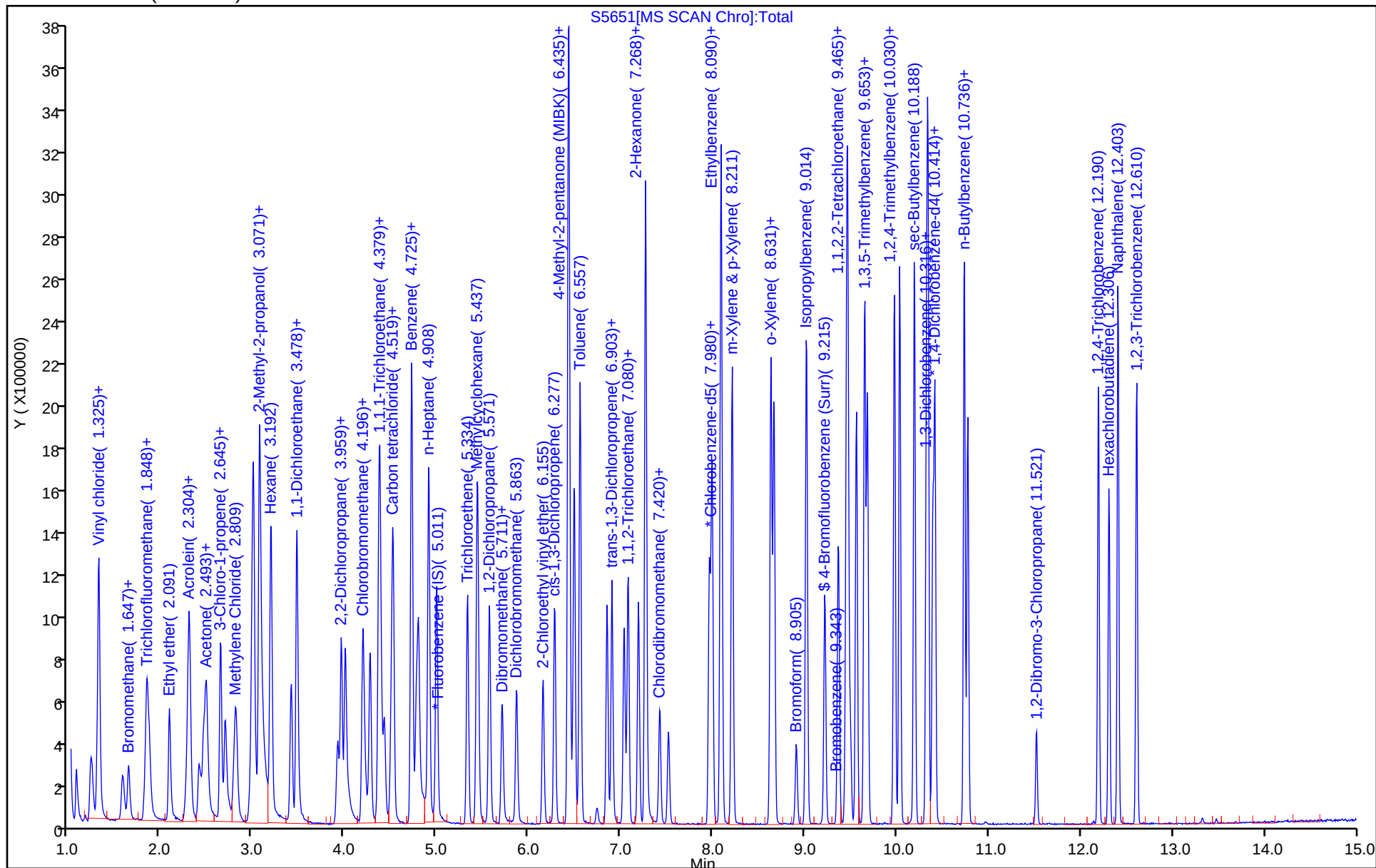
Dil. Factor: 1.0000

ALS Bottle#: 24

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-603824/3 Calibration Date: 11/08/2021 10:47
 Instrument ID: HP5973S Calib Start Date: 11/02/2021 16:02
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/02/2021 18:45
 Lab File ID: S5895.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	1.477	1.592	0.1000	26.9	25.0	7.8	50.0
Chloromethane	Ave	2.640	2.930	0.1000	27.7	25.0	11.0	20.0
Vinyl chloride	Ave	2.217	2.464	0.1000	27.8	25.0	11.1	20.0
Butadiene	Ave	2.780	2.980		26.8	25.0	7.2	20.0
Bromomethane	Ave	1.173	1.175	0.1000	25.0	25.0	0.2	50.0
Chloroethane	Ave	1.354	1.432	0.1000	26.4	25.0	5.7	50.0
Dichlorofluoromethane	Ave	2.960	3.116		26.3	25.0	5.3	20.0
Trichlorofluoromethane	Ave	2.401	2.627	0.1000	27.4	25.0	9.4	20.0
Ethyl ether	Ave	1.850	1.953		26.4	25.0	5.6	20.0
Acrolein	Ave	0.1049	0.1228		146	125	17.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.306	1.475	0.1000	28.2	25.0	12.9	20.0
1,1-Dichloroethene	Ave	1.336	1.454	0.1000	27.2	25.0	8.9	20.0
Acetone	Ave	0.9718	1.188	0.1000	153	125	22.2	50.0
Iodomethane	Ave	2.249	2.713		30.2	25.0	20.6*	20.0
Carbon disulfide	Ave	4.903	5.363	0.1000	27.3	25.0	9.4	20.0
Allyl chloride	Ave	3.609	3.984		27.6	25.0	10.4	20.0
Methyl acetate	Ave	2.458	2.501	0.1000	50.9	50.0	1.7	50.0
Methylene Chloride	Lin1		1.926	0.1000	28.2	25.0	12.9	20.0
2-Methyl-2-propanol	Ave	0.3287	0.3571		272	250	8.6	50.0
Methyl tert-butyl ether	Ave	5.641	5.895	0.1000	26.1	25.0	4.5	20.0
trans-1,2-Dichloroethene	Ave	1.682	1.888	0.1000	28.1	25.0	12.2	20.0
Acrylonitrile	Ave	1.226	1.317		269	250	7.4	20.0
Hexane	Ave	3.239	3.809		29.4	25.0	17.6	20.0
1,1-Dichloroethane	Ave	3.373	3.713	0.2000	27.5	25.0	10.1	20.0
Vinyl acetate	Ave	6.083	6.629		54.5	50.0	9.0	20.0
2,2-Dichloropropane	Ave	1.596	2.010		31.5	25.0	25.9*	20.0
cis-1,2-Dichloroethene	Ave	1.858	1.956	0.1000	26.3	25.0	5.3	20.0
2-Butanone (MEK)	Ave	1.563	1.737	0.1000	139	125	11.2	20.0
Chlorobromomethane	Ave	0.9266	1.036		27.9	25.0	11.8	20.0
Tetrahydrofuran	Ave	1.088	1.136		52.2	50.0	4.4	20.0
Chloroform	Ave	3.068	3.256	0.2000	26.5	25.0	6.1	20.0
1,1,1-Trichloroethane	Ave	2.544	2.802	0.1000	27.5	25.0	10.1	20.0
Cyclohexane	Ave	3.828	4.592	0.1000	30.0	25.0	19.9	20.0
Carbon tetrachloride	Ave	1.952	2.251	0.1000	28.8	25.0	15.4	20.0
1,1-Dichloropropene	Ave	2.328	2.640		28.4	25.0	13.4	20.0
Benzene	Ave	6.892	7.525	0.5000	27.3	25.0	9.2	20.0
Isobutyl alcohol	Ave	0.1652	0.1738		657	625	5.2	50.0
1,2-Dichloroethane	Ave	2.995	3.103	0.1000	25.9	25.0	3.6	20.0
n-Heptane	Ave	4.038	4.588		28.4	25.0	13.6	20.0
Trichloroethene	Ave	1.697	1.902	0.2000	28.0	25.0	12.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-603824/3 Calibration Date: 11/08/2021 10:47
 Instrument ID: HP5973S Calib Start Date: 11/02/2021 16:02
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/02/2021 18:45
 Lab File ID: S5895.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	Ave	3.063	3.518	0.1000	28.7	25.0	14.9	20.0
1,2-Dichloropropane	Ave	2.022	2.128	0.1000	26.3	25.0	5.2	20.0
Dibromomethane	Ave	1.080	1.139	0.1000	26.4	25.0	5.4	20.0
1,4-Dioxane	Ave	0.0119	0.0128		535	500	7.0	50.0
Bromodichloromethane	Ave	2.099	2.266	0.2000	27.0	25.0	8.0	20.0
2-Chloroethyl vinyl ether	Ave	1.390	1.529		27.5	25.0	10.0	20.0
cis-1,3-Dichloropropene	Ave	2.845	2.999	0.2000	26.4	25.0	5.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.578	1.567	0.1000	124	125	-0.7	20.0
Toluene	Ave	2.085	2.222	0.4000	26.6	25.0	6.6	20.0
trans-1,3-Dichloropropene	Ave	1.305	1.294	0.1000	24.8	25.0	-0.8	20.0
Ethyl methacrylate	Ave	1.262	1.294		25.6	25.0	2.5	20.0
1,1,2-Trichloroethane	Ave	0.6502	0.6644	0.1000	25.5	25.0	2.2	20.0
Tetrachloroethene	Ave	0.8970	0.9269	0.2000	25.8	25.0	3.3	20.0
1,3-Dichloropropane	Ave	1.387	1.435		25.9	25.0	3.5	20.0
2-Hexanone	Ave	1.125	1.140	0.1000	127	125	1.3	20.0
Dibromochloromethane	Ave	0.7178	0.6996	0.1000	24.4	25.0	-2.5	20.0
1,2-Dibromoethane	Ave	0.8295	0.8507		25.6	25.0	2.6	20.0
Chlorobenzene	Ave	2.370	2.463	0.5000	26.0	25.0	3.9	20.0
Ethylbenzene	Ave	3.954	4.262	0.1000	27.0	25.0	7.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8034	0.8326		25.9	25.0	3.6	20.0
m,p-Xylene	Ave	1.554	1.699	0.1000	27.3	25.0	9.4	20.0
o-Xylene	Ave	1.538	1.668	0.3000	27.1	25.0	8.4	20.0
Styrene	Ave	2.454	2.741	0.3000	27.9	25.0	11.7	20.0
Bromoform	Ave	0.4818	0.4410	0.1000	22.9	25.0	-8.5	50.0
Isopropylbenzene	Ave	4.342	4.636	0.1000	26.7	25.0	6.8	20.0
Bromobenzene	Ave	1.072	1.106		25.8	25.0	3.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.231	1.289	0.3000	26.2	25.0	4.8	20.0
N-Propylbenzene	Ave	5.011	5.581		27.8	25.0	11.4	20.0
1,2,3-Trichloropropane	Ave	0.4248	0.4266		25.1	25.0	0.4	20.0
trans-1,4-Dichloro-2-butene	Lin		0.3769		26.2	25.0	5.0	50.0
2-Chlorotoluene	Ave	1.041	1.093		26.3	25.0	5.0	20.0
1,3,5-Trimethylbenzene	Ave	3.716	4.020		27.0	25.0	8.2	20.0
4-Chlorotoluene	Ave	1.034	1.166		28.2	25.0	12.8	20.0
tert-Butylbenzene	Ave	0.8222	0.9035		27.5	25.0	9.9	20.0
1,2,4-Trimethylbenzene	Ave	3.845	4.113		26.7	25.0	7.0	20.0
sec-Butylbenzene	Ave	4.632	5.139		27.7	25.0	10.9	20.0
1,3-Dichlorobenzene	Ave	2.128	2.283	0.6000	26.8	25.0	7.3	20.0
4-Isopropyltoluene	Ave	4.309	4.802		27.9	25.0	11.5	20.0
1,4-Dichlorobenzene	Ave	2.133	2.345	0.5000	27.5	25.0	10.0	20.0
n-Butylbenzene	Ave	3.791	4.089		27.0	25.0	7.9	20.0
1,2-Dichlorobenzene	Ave	2.125	2.252	0.4000	26.5	25.0	6.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-603824/3 Calibration Date: 11/08/2021 10:47
 Instrument ID: HP5973S Calib Start Date: 11/02/2021 16:02
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/02/2021 18:45
 Lab File ID: S5895.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	0.2654	0.2717	0.0500	25.6	25.0	2.4	50.0
1,2,4-Trichlorobenzene	Ave	1.669	1.676	0.2000	25.1	25.0	0.4	20.0
Hexachlorobutadiene	Ave	0.7539	0.7783		25.8	25.0	3.2	20.0
Naphthalene	Ave	4.955	4.817		24.3	25.0	-2.8	20.0
1,2,3-Trichlorobenzene	Ave	1.679	1.562		23.3	25.0	-6.9	20.0
Dibromofluoromethane (Surr)	Ave	1.246	1.380		27.7	25.0	10.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8783	0.9680		27.6	25.0	10.2	20.0
Toluene-d8 (Surr)	Ave	2.564	2.659		25.9	25.0	3.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7672	0.8117		26.5	25.0	5.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5895.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 08-Nov-2021 10:47:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0102234-003
 Operator ID: AG/WD Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 08-Nov-2021 11:05:23 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1636

First Level Reviewer: gruninga

Date: 08-Nov-2021 11:05:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.999	0.000	97	152463	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	89	332767	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.395	0.000	65	310637	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.427	0.000	55	210433	25.0	27.7	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.732	4.732	0.000	52	147589	25.0	27.6	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	67	884908	25.0	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.221	0.000	87	270109	25.0	26.5	
10 Dichlorodifluoromethane	85	1.081	1.081	0.000	87	242747	25.0	26.9	
12 Chloromethane	50	1.240	1.240	0.000	89	446703	25.0	27.7	
13 Vinyl chloride	62	1.313	1.313	0.000	82	375658	25.0	27.8	
151 Butadiene	54	1.325	1.325	0.000	73	454372	25.0	26.8	
14 Bromomethane	94	1.574	1.574	0.000	91	179129	25.0	25.0	
15 Chloroethane	64	1.641	1.641	0.000	93	218327	25.0	26.4	
17 Trichlorofluoromethane	101	1.842	1.842	0.000	65	400592	25.0	27.4	
16 Dichlorofluoromethane	67	1.842	1.842	0.000	80	475020	25.0	26.3	
18 Ethyl ether	59	2.091	2.091	0.000	95	297708	25.0	26.4	
20 Acrolein	56	2.262	2.262	0.000	99	93643	125.0	146.4	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.298	2.298	0.000	62	224864	25.0	28.2	
22 1,1-Dichloroethene	96	2.310	2.310	0.000	86	221665	25.0	27.2	
23 Acetone	43	2.414	2.414	0.000	99	905535	125.0	152.8	
25 Iodomethane	142	2.456	2.456	0.000	98	413671	25.0	30.2	
26 Carbon disulfide	76	2.493	2.493	0.000	99	817705	25.0	27.3	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	607436	25.0	27.6	
27 Methyl acetate	43	2.700	2.700	0.000	97	762634	50.0	50.9	
30 Methylene Chloride	84	2.803	2.803	0.000	89	293667	25.0	28.2	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	84	544494	250.0	271.6	
32 Methyl tert-butyl ether	73	2.992	2.992	0.000	91	898730	25.0	26.1	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	87	287813	25.0	28.1	
33 Acrylonitrile	53	3.071	3.071	0.000	99	2007736	250.0	268.6	
35 Hexane	57	3.199	3.199	0.000	96	580679	25.0	29.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.418	3.418	0.000	85	566087	25.0	27.5	
37 Vinyl acetate	43	3.478	3.478	0.000	97	2021304	50.0	54.5	
44 2,2-Dichloropropane	77	3.922	3.922	0.000	90	306436	25.0	31.5	
45 cis-1,2-Dichloroethene	96	3.959	3.959	0.000	71	298265	25.0	26.3	
43 2-Butanone (MEK)	43	4.002	4.002	0.000	95	1324240	125.0	139.0	
48 Chlorobromomethane	128	4.190	4.190	0.000	86	157939	25.0	27.9	
49 Tetrahydrofuran	42	4.202	4.202	0.000	94	346439	50.0	52.2	
50 Chloroform	83	4.275	4.275	0.000	82	496344	25.0	26.5	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	69	427135	25.0	27.5	
52 Cyclohexane	56	4.379	4.379	0.000	93	700092	25.0	30.0	
55 Carbon tetrachloride	117	4.507	4.507	0.000	82	343241	25.0	28.8	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	90	402569	25.0	28.4	
57 Benzene	78	4.726	4.726	0.000	95	1147336	25.0	27.3	
53 Isobutyl alcohol	43	4.774	4.774	0.000	84	662307	625.0	657.3	
58 1,2-Dichloroethane	62	4.799	4.799	0.000	73	473020	25.0	25.9	
59 n-Heptane	43	4.908	4.908	0.000	98	699442	25.0	28.4	
62 Trichloroethene	95	5.334	5.334	0.000	91	289974	25.0	28.0	
64 Methylcyclohexane	83	5.443	5.443	0.000	98	536333	25.0	28.7	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	88	324411	25.0	26.3	
67 Dibromomethane	93	5.711	5.711	0.000	90	173641	25.0	26.4	
66 1,4-Dioxane	88	5.723	5.723	0.000	77	84861	500.0	534.9	
68 Dichlorobromomethane	83	5.869	5.869	0.000	91	345531	25.0	27.0	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	90	233095	25.0	27.5	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	84	457286	25.0	26.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.429	6.429	0.000	99	2606505	125.0	124.1	
74 Toluene	92	6.557	6.557	0.000	88	739451	25.0	26.6	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	94	430631	25.0	24.8	
75 Ethyl methacrylate	69	6.903	6.903	0.000	78	430575	25.0	25.6	
79 1,1,2-Trichloroethane	83	7.031	7.031	0.000	88	221098	25.0	25.5	
81 Tetrachloroethene	166	7.080	7.080	0.000	84	308456	25.0	25.8	
82 1,3-Dichloropropane	76	7.189	7.189	0.000	96	477682	25.0	25.9	
80 2-Hexanone	43	7.268	7.268	0.000	98	1895985	125.0	126.6	
83 Chlorodibromomethane	129	7.421	7.421	0.000	86	232816	25.0	24.4	
84 Ethylene Dibromide	107	7.518	7.518	0.000	97	283097	25.0	25.6	
87 Chlorobenzene	112	7.992	7.992	0.000	92	819468	25.0	26.0	
88 Ethylbenzene	91	8.090	8.090	0.000	99	1418264	25.0	27.0	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	43	277067	25.0	25.9	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	565514	25.0	27.3	
91 o-Xylene	106	8.631	8.631	0.000	98	554963	25.0	27.1	
92 Styrene	104	8.668	8.668	0.000	91	912043	25.0	27.9	
95 Bromoform	173	8.905	8.905	0.000	95	146764	25.0	22.9	
94 Isopropylbenzene	105	9.021	9.021	0.000	96	1440073	25.0	26.7	
101 Bromobenzene	156	9.367	9.367	0.000	97	343570	25.0	25.8	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.446	0.000	72	400512	25.0	26.2	
99 N-Propylbenzene	91	9.465	9.465	0.000	97	1733610	25.0	27.8	
100 1,2,3-Trichloropropane	110	9.471	9.471	0.000	57	132532	25.0	25.1	
98 trans-1,4-Dichloro-2-butene	53	9.495	9.495	0.000	86	117081	25.0	26.2	
103 2-Chlorotoluene	126	9.562	9.562	0.000	94	339577	25.0	26.3	
102 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	94	1248793	25.0	27.0	
105 4-Chlorotoluene	126	9.684	9.684	0.000	98	362261	25.0	28.2	
106 tert-Butylbenzene	134	9.976	9.976	0.000	92	280655	25.0	27.5	
107 1,2,4-Trimethylbenzene	105	10.030	10.030	0.000	86	1277776	25.0	26.7	

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	10.189	10.189	0.000	95	1596399	25.0	27.7	
111 1,3-Dichlorobenzene	146	10.322	10.322	0.000	97	709158	25.0	26.8	
110 4-Isopropyltoluene	119	10.341	10.341	0.000	95	1491739	25.0	27.9	
113 1,4-Dichlorobenzene	146	10.414	10.414	0.000	92	728584	25.0	27.5	
115 n-Butylbenzene	91	10.736	10.736	0.000	95	1270136	25.0	27.0	
116 1,2-Dichlorobenzene	146	10.773	10.773	0.000	95	699429	25.0	26.5	
117 1,2-Dibromo-3-Chloropropane	75	11.521	11.521	0.000	71	84414	25.0	25.6	
119 1,2,4-Trichlorobenzene	180	12.196	12.196	0.000	94	520514	25.0	25.1	
120 Hexachlorobutadiene	225	12.312	12.312	0.000	94	241762	25.0	25.8	
121 Naphthalene	128	12.409	12.409	0.000	97	1496329	25.0	24.3	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	94	485315	25.0	23.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00216

Amount Added: 12.50

Units: uL

GAS CORP mix_00479

Amount Added: 12.50

Units: uL

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5895.D

Injection Date: 08-Nov-2021 10:47:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

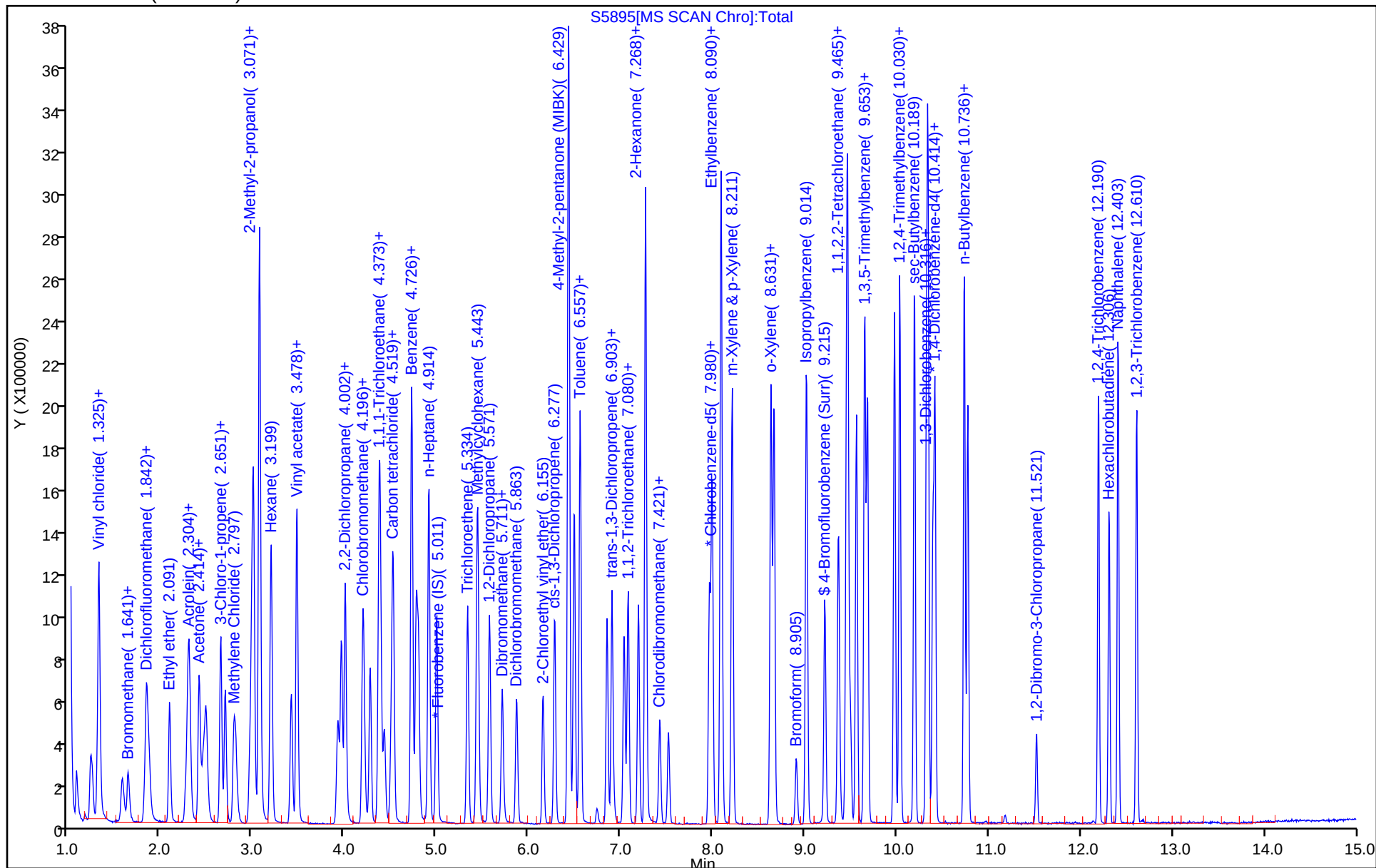
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5628.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 02-Nov-2021 15:12:30 ALS Bottle#: 1 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0102107-002
 Operator ID: LH Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 03-Nov-2021 12:19:43 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1676

First Level Reviewer: HillL

Date: 02-Nov-2021 15:46:26

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

\$ 61 BFB	95	3.382	3.382	0.000	0	513562	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00128

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5628.D

Injection Date: 02-Nov-2021 15:12:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: LH

ALS Bottle#: 1 Worklist Smp#: 2

Injection Vol: 1.0 uL

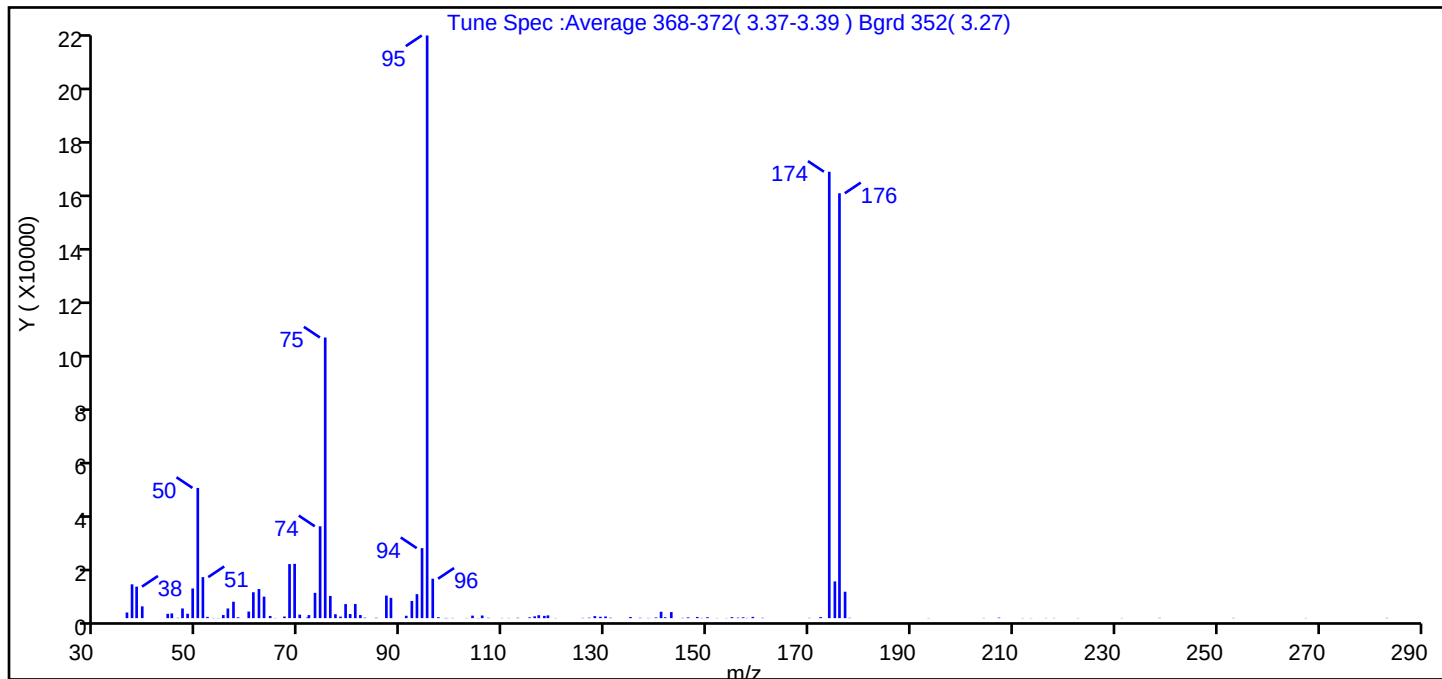
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.3
75	30 to 60% of m/z 95	48.2
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.6
175	5 to 9% of m/z 174	6.3 (8.2)
176	Greater than 95% but less than 101% of m/z 174	72.9 (95.2)
177	5 to 9% of m/z 176	4.5 (6.2)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5628.D\S-8260.rsl\spectra.d
Injection Date: 02-Nov-2021 15:12:30
Spectrum: Tune Spec :Average 368-372(3.37-3.39) Bgrd 352(3.27)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 115

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2117	72.00	214	106.00	991	152.00	70
37.00	12676	72.00	1137	107.00	131	154.00	70
38.00	11810	73.00	9482	110.00	75	155.00	377
39.00	4415	74.00	34424	111.00	77	156.00	178
44.00	1611	75.00	105176	113.00	155	157.00	320
45.00	1766	76.00	8323	115.00	301	158.00	72
46.00	115	77.00	1466	116.00	674	159.00	479
47.00	3636	78.00	569	117.00	1093	161.00	132
48.00	1640	79.00	5264	118.00	841	170.00	102
49.00	11123	80.00	1539	119.00	1035	172.00	396
50.00	48800	81.00	5311	120.00	71	174.00	167296
51.00	15375	82.00	1167	126.00	99	175.00	13768
52.00	463	83.00	187	127.00	169	176.00	159232
53.00	72	85.00	152	128.00	765	177.00	9901
54.00	73	87.00	8452	129.00	501	178.00	127
55.00	1158	88.00	7593	130.00	622	193.00	70
56.00	3632	91.00	895	131.00	157	204.00	82
57.00	6147	92.00	6443	135.00	433	207.00	196
58.00	320	93.00	8990	137.00	141	212.00	72
60.00	2465	94.00	26240	138.00	88	214.00	70
61.00	9707	95.00	218368	140.00	259	216.00	83
62.00	10904	96.00	14780	141.00	2396	218.00	79
63.00	8069	97.00	350	142.00	338	223.00	70
64.00	817	99.00	77	143.00	2267	231.00	71
65.00	72	99.00	74	145.00	110	239.00	112
67.00	605	100.00	89	146.00	286	253.00	96
68.00	20264	103.00	77	148.00	443	267.00	72
69.00	20352	104.00	946	149.00	89	283.00	100
70.00	1322	105.00	45	150.00	336		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5628.D

Injection Date: 02-Nov-2021 15:12:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: BFB

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 uL

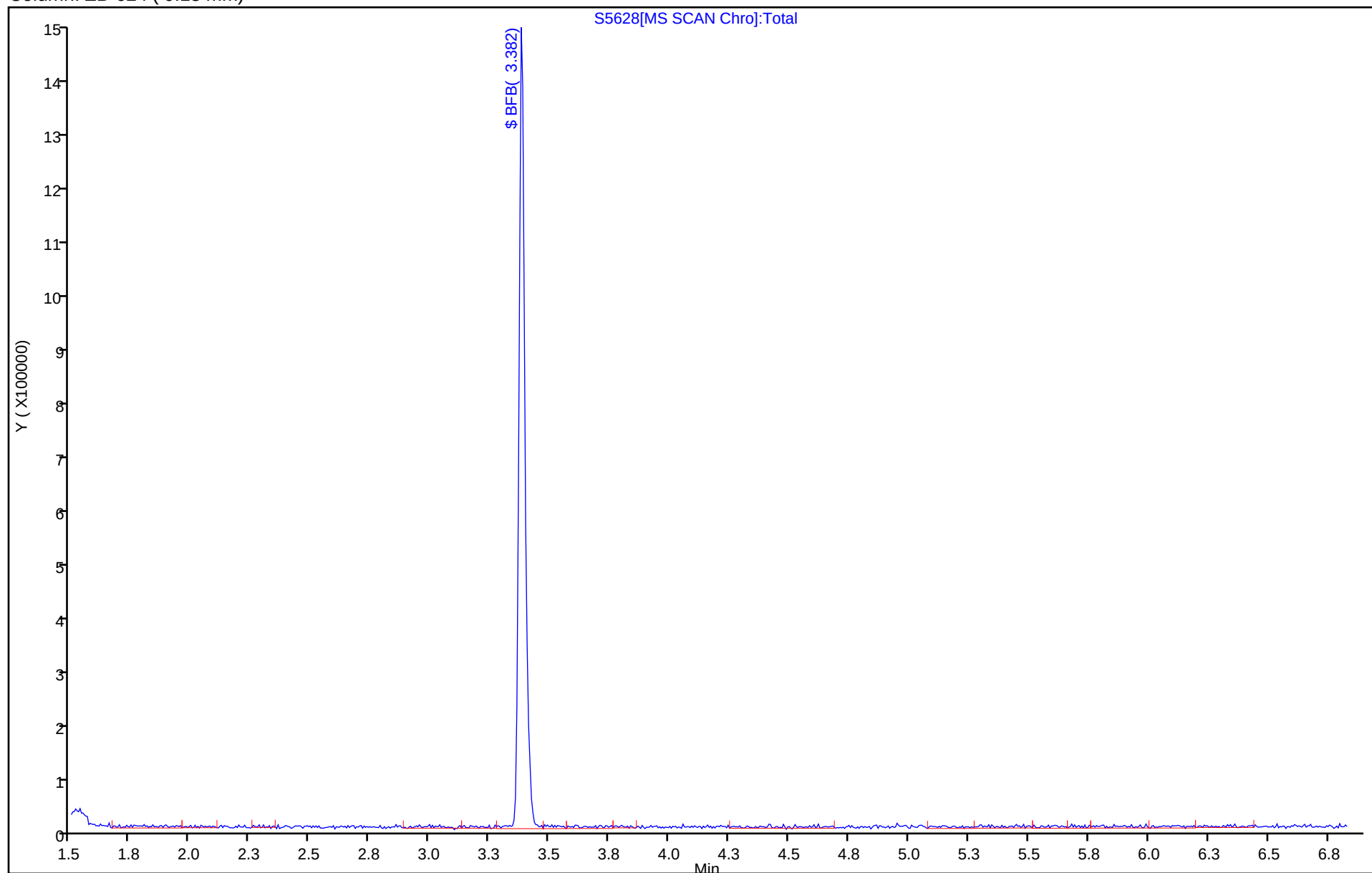
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5894.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 08-Nov-2021 10:21:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0102234-002
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 08-Nov-2021 10:31:12 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1636

First Level Reviewer: gruninga

Date: 08-Nov-2021 10:31:12

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

\$ 61 BFB	95	3.376	3.376	0.000	0	428039	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00128

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5894.D

Injection Date: 08-Nov-2021 10:21:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: AG/WD

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

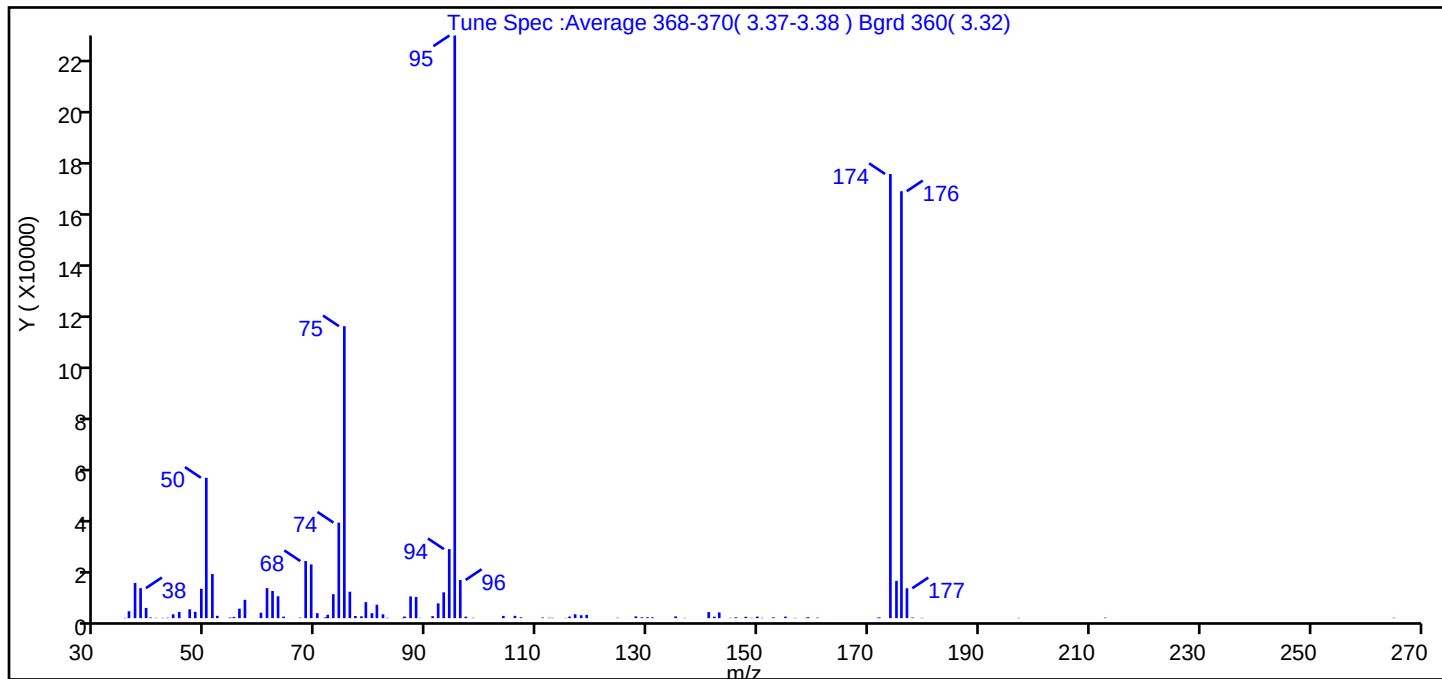
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.1
75	30 to 60% of m/z 95	50.1
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.2
175	5 to 9% of m/z 174	6.4 (8.4)
176	Greater than 95% but less than 101% of m/z 174	73.3 (96.1)
177	5 to 9% of m/z 176	5.1 (7.0)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5894.D\S-8260.rsl\spectra.d
Injection Date: 08-Nov-2021 10:21:30
Spectrum: Tune Spec :Average 368-370(3.37-3.38) Bgrd 360(3.32)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	133	64.00	584	93.00	9971	142.00	571
36.00	2657	67.00	183	94.00	26632	143.00	2219
37.00	13596	68.00	22024	95.00	224832	145.00	135
38.00	11575	69.00	20744	96.00	14737	146.00	330
39.00	3932	70.00	1914	97.00	584	148.00	515
40.00	276	72.00	330	98.00	153	149.00	133
41.00	134	72.00	1297	104.00	867	150.00	593
42.00	122	73.00	9258	106.00	897	151.00	140
43.00	180	74.00	36856	107.00	313	153.00	330
44.00	1478	75.00	112648	111.00	253	155.00	596
45.00	2401	76.00	10194	112.00	172	157.00	129
47.00	3414	77.00	836	113.00	152	159.00	128
48.00	2434	78.00	690	115.00	124	159.00	370
49.00	11346	79.00	6185	116.00	625	161.00	204
50.00	54160	80.00	1924	117.00	1505	172.00	132
51.00	17016	81.00	5173	118.00	1120	172.00	288
52.00	891	82.00	1480	119.00	1256	174.00	171392
54.00	249	83.00	151	124.00	160	175.00	14377
55.00	491	86.00	126	128.00	689	176.00	164736
56.00	3654	86.00	613	129.00	340	177.00	11523
57.00	7070	87.00	8379	130.00	359	178.00	244
60.00	2090	88.00	8179	131.00	323	180.00	120
61.00	11584	89.00	125	135.00	688	197.00	138
62.00	10485	91.00	742	137.00	122	213.00	194
63.00	8440	92.00	5700	141.00	2335	265.00	164

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5894.D

Injection Date: 08-Nov-2021 10:21:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: BFB

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 uL

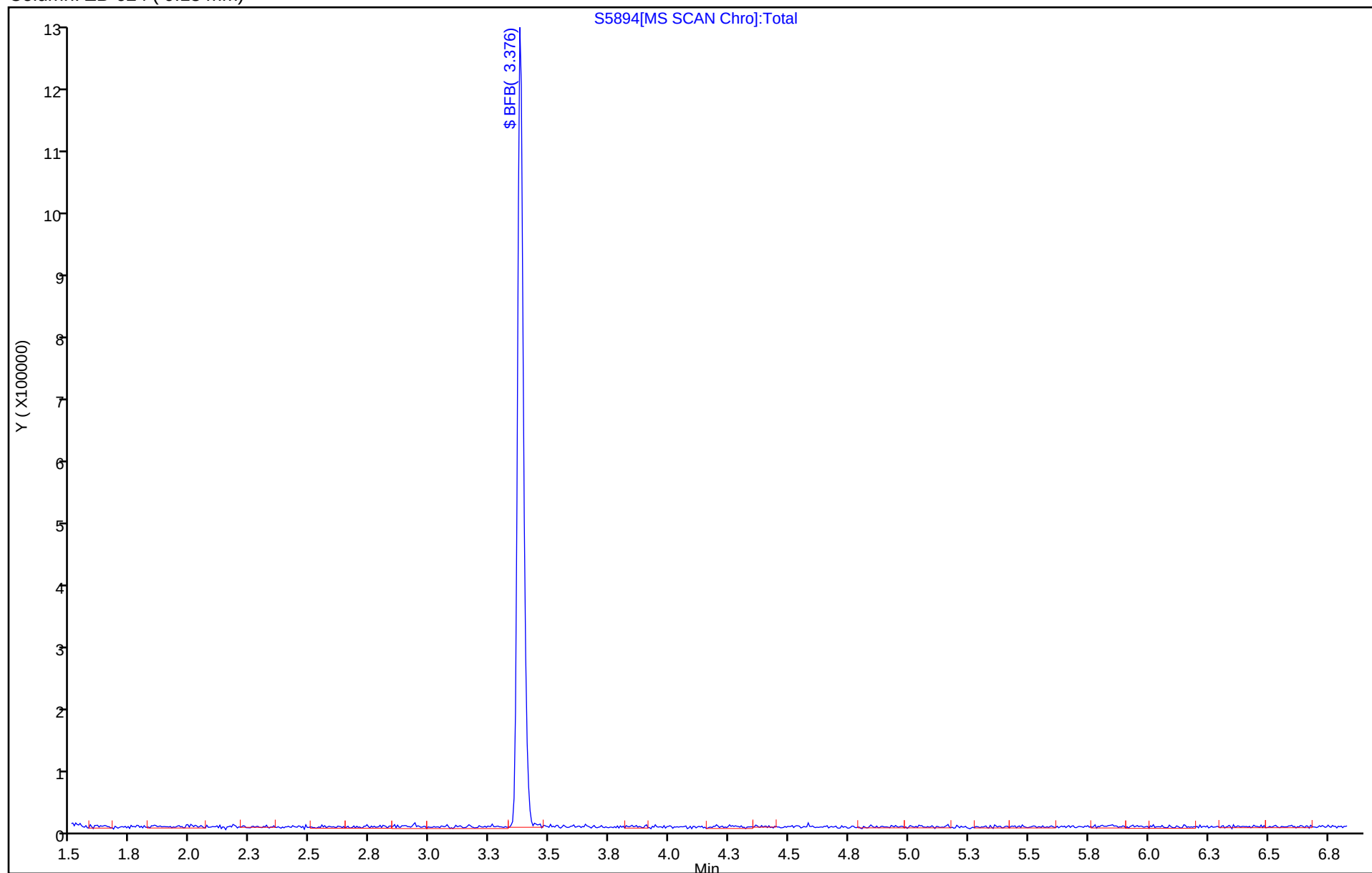
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: S-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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-603824/7
 Matrix: Water Lab File ID: S5899.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 12:21
 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.: 603824 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)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5899.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Nov-2021 12:21:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0102234-007
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 08-Nov-2021 12:38:43 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1636

First Level Reviewer: gruninga

Date: 08-Nov-2021 12:38:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.993	0.006	97	161253	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	90	325188	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.389	0.006	94	300907	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.433	0.000	58	202994	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.731	4.725	0.006	92	142734	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	95	864665	25.0	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.215	0.006	87	261421	25.0	26.2	
10 Dichlorodifluoromethane	85		1.081					ND	
11 Chlorodifluoromethane	51		1.100					ND	
12 Chloromethane	50		1.240					ND	
13 Vinyl chloride	62		1.313					ND	
151 Butadiene	54		1.325					ND	
14 Bromomethane	94		1.574					ND	
15 Chloroethane	64		1.641					ND	
17 Trichlorofluoromethane	101		1.842					ND	
16 Dichlorofluoromethane	67		1.842					ND	
18 Ethyl ether	59		2.091					ND	
148 Ethanol	45		2.097					ND	
19 Propene oxide	58		2.176					ND	
20 Acrolein	56		2.262					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.298					ND	
22 1,1-Dichloroethene	96		2.310					ND	
23 Acetone	43		2.414					ND	
25 Iodomethane	142		2.456					ND	
26 Carbon disulfide	76		2.493					ND	7
24 Isopropyl alcohol	45		2.596					ND	U
28 3-Chloro-1-propene	41		2.651					ND	
27 Methyl acetate	43		2.700					ND	
29 Acetonitrile	40		2.712					ND	
30 Methylene Chloride	84		2.803					ND	
31 2-Methyl-2-propanol	59		2.973					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		2.992					ND	
34 trans-1,2-Dichloroethene	96		3.010					ND	
33 Acrylonitrile	53		3.071					ND	
35 Hexane	57		3.199					ND	
39 1,1-Dichloroethane	63		3.418					ND	
36 Isopropyl ether	45		3.436					ND	
40 2-Chloro-1,3-butadiene	53		3.472					ND	
37 Vinyl acetate	43		3.478					ND	7
38 1,1-Dimethoxyethane	75		3.509					ND	
41 Tert-butyl ethyl ether	59		3.764					ND	
139 Halothane	117		3.822					ND	
44 2,2-Dichloropropane	77		3.922					ND	
45 cis-1,2-Dichloroethene	96		3.959					ND	
43 2-Butanone (MEK)	43		4.002					ND	
42 Ethyl acetate	43		4.038					ND	7
46 Propionitrile	54		4.105					ND	
48 Chlorobromomethane	128		4.190					ND	
49 Tetrahydrofuran	42		4.202					ND	
47 Methacrylonitrile	41		4.214					ND	
50 Chloroform	83		4.275					ND	7
51 1,1,1-Trichloroethane	97		4.373					ND	
52 Cyclohexane	56		4.379					ND	
55 Carbon tetrachloride	117		4.507					ND	
54 1,1-Dichloropropene	75		4.525					ND	
152 Isooctane	57		4.719					ND	
57 Benzene	78		4.726					ND	
53 Isobutyl alcohol	43		4.774					ND	
58 1,2-Dichloroethane	62		4.799					ND	
56 Tert-amyl methyl ether	73		4.811					ND	
147 t-Amyl alcohol	59		4.823					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
59 n-Heptane	43		4.908					ND	
1 1,4-Difluorobenzene	114		5.115					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
62 Trichloroethene	95		5.334					ND	
60 n-Butanol	56		5.395					ND	
64 Methylcyclohexane	83		5.443					ND	
142 Ethyl acrylate	55		5.474					ND	
65 1,2-Dichloropropane	63		5.571					ND	
63 Methyl methacrylate	41		5.687					ND	7
67 Dibromomethane	93		5.711					ND	
66 1,4-Dioxane	88		5.723					ND	
68 Dichlorobromomethane	83		5.869					ND	
70 2-Nitropropane	43		6.119					ND	
69 2-Chloroethyl vinyl ether	63		6.155					ND	
71 Epichlorohydrin	57		6.240					ND	
72 cis-1,3-Dichloropropene	75		6.283					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.429					ND	
74 Toluene	92		6.557					ND	
76 2-Methylthiophene	97		6.690					ND	
77 trans-1,3-Dichloropropene	75		6.849					ND	
78 3-Methylthiophene	97		6.855					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.903					ND	
79 1,1,2-Trichloroethane	83		7.031					ND	
81 Tetrachloroethene	166		7.080					ND	
82 1,3-Dichloropropane	76		7.189					ND	
80 2-Hexanone	43		7.268					ND	
155 n-Butyl acetate	43		7.384					ND	
83 Chlorodibromomethane	129		7.421					ND	
84 Ethylene Dibromide	107		7.518					ND	
146 1-Chlorohexane	55	7.962	7.956	0.006	11	6999		0.1908	
85 3-Chlorobenzotrifluoride	180		7.980					ND	
87 Chlorobenzene	112		7.992					ND	
86 4-Chlorobenzotrifluoride	180		8.041					ND	
88 Ethylbenzene	91		8.090					ND	
89 1,1,1,2-Tetrachloroethane	131		8.096					ND	
90 m-Xylene & p-Xylene	106		8.211					ND	
91 o-Xylene	106		8.631					ND	
92 Styrene	104		8.668					ND	
95 Bromoform	173		8.905					ND	
93 2-Chlorobenzotrifluoride	180		8.947					ND	
94 Isopropylbenzene	105		9.021					ND	
96 Cyclohexanone	55		9.197					ND	
101 Bromobenzene	156		9.367					ND	
97 1,1,2,2-Tetrachloroethane	83		9.446					ND	
99 N-Propylbenzene	91		9.465					ND	
100 1,2,3-Trichloropropane	110		9.471					ND	
98 trans-1,4-Dichloro-2-butene	53		9.495					ND	
103 2-Chlorotoluene	126		9.562					ND	
104 3-Chlorotoluene	126		9.629					ND	
102 1,3,5-Trimethylbenzene	105		9.653					ND	
105 4-Chlorotoluene	126		9.684					ND	
106 tert-Butylbenzene	134		9.976					ND	
108 Pentachloroethane	167		10.030					ND	
107 1,2,4-Trimethylbenzene	105		10.030					ND	
109 sec-Butylbenzene	105		10.189					ND	7
111 1,3-Dichlorobenzene	146		10.322					ND	
110 4-Isopropyltoluene	119		10.341					ND	
114 Dicyclopentadiene	66		10.383					ND	
113 1,4-Dichlorobenzene	146		10.414					ND	
112 1,2,3-Trimethylbenzene	105		10.450					ND	
150 Benzyl chloride	126		10.572					ND	
115 n-Butylbenzene	91		10.736					ND	7
116 1,2-Dichlorobenzene	146		10.773					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.521					ND	
118 1,3,5-Trichlorobenzene	180		11.649					ND	
119 1,2,4-Trichlorobenzene	180		12.196					ND	
120 Hexachlorobutadiene	225		12.312					ND	
121 Naphthalene	128		12.409					ND	
122 1,2,3-Trichlorobenzene	180		12.610					ND	
149 2-Methylnaphthalene	142	13.328	13.329	0.006	12	2716		0.0659	7
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00352

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00407

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5899.D

Injection Date: 08-Nov-2021 12:21:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

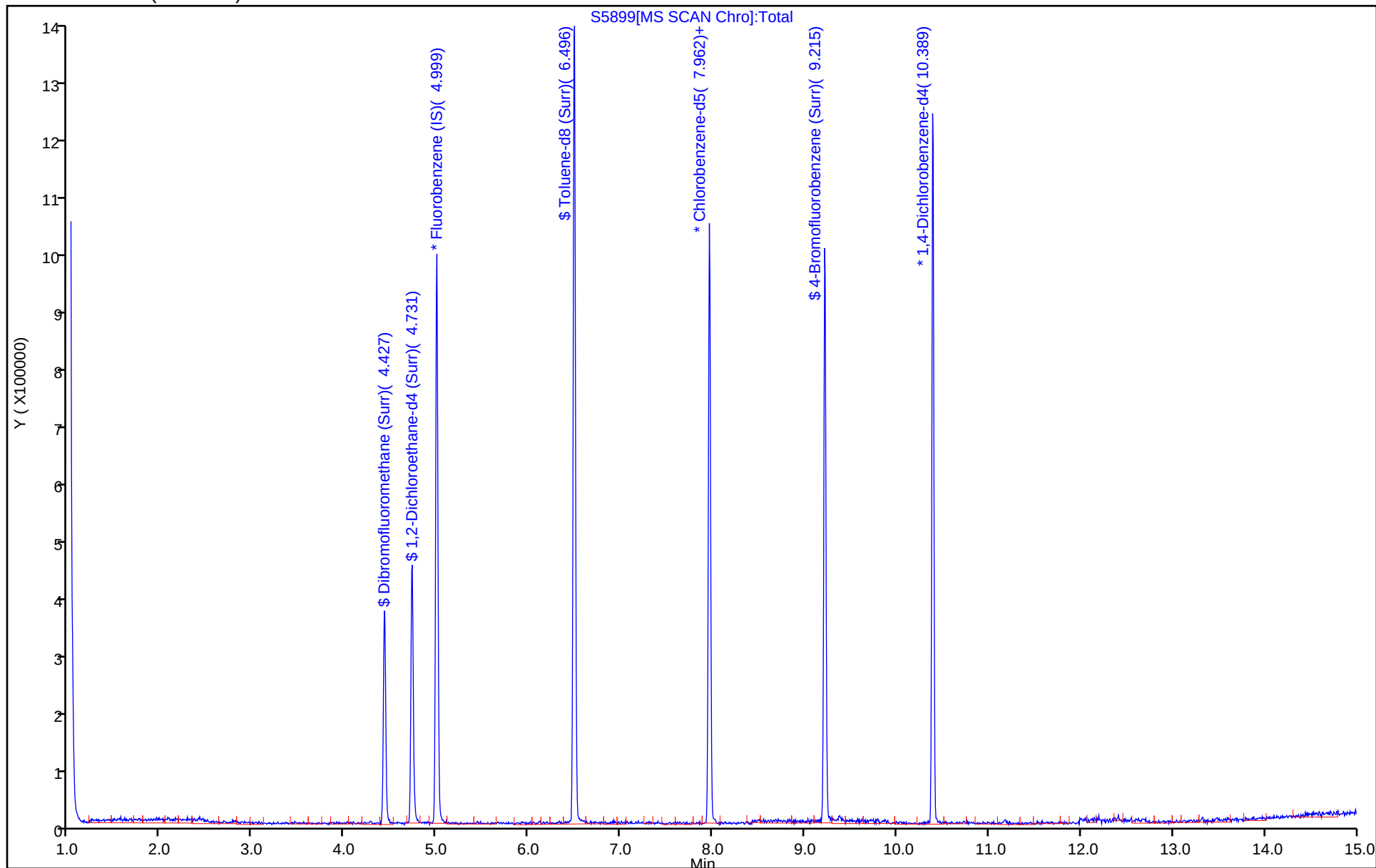
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: S-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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-603824/5
 Matrix: Water Lab File ID: S5897.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 11:34
 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.: 603824 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	25.5		1.0	0.41
100-41-4	Ethylbenzene	26.2		1.0	0.74
108-88-3	Toluene	25.3		1.0	0.51
1330-20-7	Xylenes, Total	51.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5897.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Nov-2021 11:34:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0102234-005
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 08-Nov-2021 09:51:41 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1636

First Level Reviewer: gruninga

Date: 08-Nov-2021 11:56:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.993	0.006	98	154034	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	89	333655	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.395	10.389	0.006	49	308086	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.433	0.000	55	203717	25.0	26.5	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.726	4.725	0.001	50	146514	25.0	27.1	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	76	874061	25.0	25.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.221	9.215	0.006	88	273640	25.0	26.7	
10 Dichlorodifluoromethane	85	1.081	1.081	0.000	86	210000	25.0	23.1	
12 Chloromethane	50	1.240	1.240	0.000	82	418825	25.0	25.7	
13 Vinyl chloride	62	1.313	1.313	0.000	73	345520	25.0	25.3	
151 Butadiene	54	1.325	1.326	0.000	75	458087	25.0	26.7	
14 Bromomethane	94	1.580	1.574	0.006	90	173362	25.0	24.0	
15 Chloroethane	64	1.647	1.641	0.006	93	208846	25.0	25.0	
17 Trichlorofluoromethane	101	1.848	1.842	0.006	64	383047	25.0	25.9	
16 Dichlorofluoromethane	67	1.848	1.842	0.006	80	449566	25.0	24.7	
18 Ethyl ether	59	2.091	2.091	0.000	96	290717	25.0	25.5	
20 Acrolein	56	2.268	2.262	0.006	97	84690	125.0	131.1	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.298	2.298	0.000	65	211036	25.0	26.2	
22 1,1-Dichloroethene	96	2.310	2.310	0.000	85	205247	25.0	24.9	
23 Acetone	43	2.414	2.414	0.000	98	843930	125.0	140.9	
25 Iodomethane	142	2.462	2.456	0.006	99	378140	25.0	27.3	
26 Carbon disulfide	76	2.493	2.493	0.000	98	761411	25.0	25.2	
28 3-Chloro-1-propene	41	2.651	2.651	0.000	88	590036	25.0	26.5	
27 Methyl acetate	43	2.700	2.700	0.000	97	752307	50.0	49.7	
30 Methylene Chloride	84	2.809	2.803	0.006	90	280207	25.0	26.6	
31 2-Methyl-2-propanol	59	2.973	2.973	0.000	85	541936	250.0	267.6	
32 Methyl tert-butyl ether	73	2.998	2.992	0.006	92	890854	25.0	25.6	
34 trans-1,2-Dichloroethene	96	3.010	3.010	0.000	88	263311	25.0	25.4	
33 Acrylonitrile	53	3.071	3.071	0.000	100	1996171	250.0	264.3	
35 Hexane	57	3.192	3.199	-0.007	95	534506	25.0	26.8	
39 1,1-Dichloroethane	63	3.418	3.418	0.000	85	539853	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.478	3.478	0.000	97	1991825	50.0	53.1	
44 2,2-Dichloropropane	77	3.923	3.922	0.001	91	292455	25.0	29.7	
45 cis-1,2-Dichloroethene	96	3.965	3.959	0.006	71	292401	25.0	25.5	
43 2-Butanone (MEK)	43	4.002	4.002	0.000	96	1327023	125.0	137.8	
48 Chlorobromomethane	128	4.196	4.190	0.006	86	147915	25.0	25.9	
49 Tetrahydrofuran	42	4.208	4.202	0.006	93	346392	50.0	51.7	
50 Chloroform	83	4.275	4.275	0.000	83	467499	25.0	24.7	
51 1,1,1-Trichloroethane	97	4.373	4.373	0.000	70	409268	25.0	26.1	
52 Cyclohexane	56	4.379	4.379	0.000	93	653988	25.0	27.7	
55 Carbon tetrachloride	117	4.507	4.507	0.001	85	323602	25.0	26.9	
54 1,1-Dichloropropene	75	4.525	4.525	0.000	87	375536	25.0	26.2	
57 Benzene	78	4.726	4.726	0.000	95	1082974	25.0	25.5	
53 Isobutyl alcohol	43	4.774	4.774	0.000	81	679803	625.0	667.8	
58 1,2-Dichloroethane	62	4.799	4.799	0.000	73	471577	25.0	25.6	
59 n-Heptane	43	4.914	4.908	0.006	97	646864	25.0	26.0	
62 Trichloroethene	95	5.334	5.334	0.000	92	273731	25.0	26.2	
64 Methylcyclohexane	83	5.443	5.443	0.000	97	507193	25.0	26.9	
65 1,2-Dichloropropane	63	5.571	5.571	0.000	88	317416	25.0	25.5	
67 Dibromomethane	93	5.705	5.711	-0.006	91	171298	25.0	25.7	
66 1,4-Dioxane	88	5.723	5.723	0.000	81	89363	500.0	561.7	
68 Dichlorobromomethane	83	5.863	5.869	-0.006	91	350504	25.0	27.1	
69 2-Chloroethyl vinyl ether	63	6.155	6.155	0.000	90	215881	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.283	6.283	0.000	84	450689	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.429	6.429	0.000	99	2582000	125.0	122.6	
74 Toluene	92	6.557	6.557	0.000	88	704933	25.0	25.3	
77 trans-1,3-Dichloropropene	75	6.849	6.849	0.000	93	422911	25.0	24.3	
75 Ethyl methacrylate	69	6.903	6.904	0.000	77	406716	25.0	24.1	
79 1,1,2-Trichloroethane	83	7.037	7.031	0.006	89	218141	25.0	25.1	
81 Tetrachloroethene	166	7.080	7.080	0.000	83	301057	25.0	25.1	
82 1,3-Dichloropropane	76	7.189	7.189	0.000	97	469315	25.0	25.4	
80 2-Hexanone	43	7.268	7.269	0.000	99	1879842	125.0	125.2	
83 Chlorodibromomethane	129	7.421	7.421	0.000	85	241200	25.0	25.2	
84 Ethylene Dibromide	107	7.518	7.518	0.000	98	272886	25.0	24.6	
87 Chlorobenzene	112	7.992	7.992	0.000	92	803448	25.0	25.4	
88 Ethylbenzene	91	8.090	8.090	0.000	98	1381346	25.0	26.2	
89 1,1,1,2-Tetrachloroethane	131	8.096	8.096	0.000	42	263913	25.0	24.6	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	539658	25.0	26.0	
91 o-Xylene	106	8.631	8.631	0.000	98	520375	25.0	25.3	
92 Styrene	104	8.668	8.668	0.000	91	868788	25.0	26.5	
95 Bromoform	173	8.911	8.905	0.006	93	150380	25.0	23.4	
94 Isopropylbenzene	105	9.014	9.026	-0.007	96	1388361	25.0	25.9	
101 Bromobenzene	156	9.367	9.373	0.000	96	331716	25.0	25.1	
97 1,1,2,2-Tetrachloroethane	83	9.446	9.452	0.000	72	391672	25.0	25.8	
99 N-Propylbenzene	91	9.465	9.470	0.000	98	1643015	25.0	26.6	
100 1,2,3-Trichloropropane	110	9.471	9.476	0.000	57	134072	25.0	25.6	
98 trans-1,4-Dichloro-2-butene	53	9.501	9.501	0.006	87	76723	25.0	18.3	
103 2-Chlorotoluene	126	9.562	9.568	0.000	96	330146	25.0	25.7	
102 1,3,5-Trimethylbenzene	105	9.653	9.659	0.000	96	1181730	25.0	25.8	
105 4-Chlorotoluene	126	9.684	9.689	0.000	96	343133	25.0	26.9	
106 tert-Butylbenzene	134	9.976	9.982	0.000	91	272581	25.0	26.9	
107 1,2,4-Trimethylbenzene	105	10.030	10.036	0.000	67	1237620	25.0	26.1	
109 sec-Butylbenzene	105	10.195	10.195	0.006	94	1523936	25.0	26.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.322	10.329	0.000	96	695341	25.0	26.5	
110 4-Isopropyltoluene	119	10.341	10.347	0.000	95	1414644	25.0	26.6	
113 1,4-Dichlorobenzene	146	10.414	10.420	0.000	92	702166	25.0	26.7	
115 n-Butylbenzene	91	10.736	10.742	0.000	95	1215140	25.0	26.0	
116 1,2-Dichlorobenzene	146	10.773	10.779	0.000	91	664260	25.0	25.4	
117 1,2-Dibromo-3-Chloropropane	75	11.515	11.528	-0.006	67	79346	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	12.190	12.203	-0.006	91	500754	25.0	24.3	
120 Hexachlorobutadiene	225	12.306	12.312	-0.006	93	230390	25.0	24.8	
121 Naphthalene	128	12.403	12.409	-0.006	98	1458476	25.0	23.9	
122 1,2,3-Trichlorobenzene	180	12.610	12.610	0.000	95	481127	25.0	23.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00216	Amount Added: 12.50	Units: uL	
GAS CORP mix_00479	Amount Added: 12.50	Units: uL	
S_8260_IS_00352	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5897.D

Injection Date: 08-Nov-2021 11:34:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

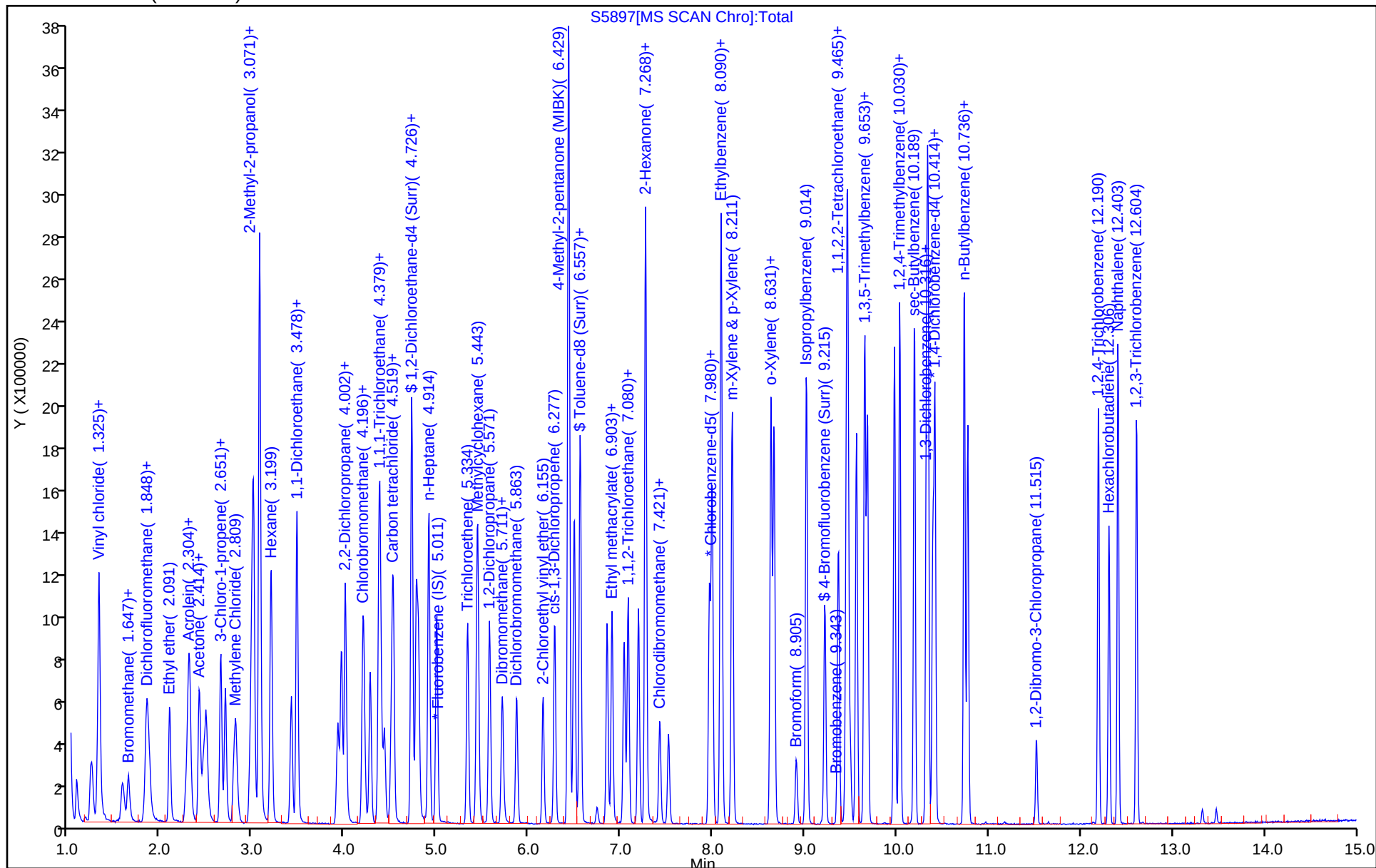
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: S-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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: PZ03-01D MS Lab Sample ID: 480-191867-2 MS
 Matrix: Water Lab File ID: S5921.D
 Analysis Method: 8260C Date Collected: 11/02/2021 14:40
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 21:05
 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.: 603824 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	66.9		1.0	0.41
100-41-4	Ethylbenzene	23.8		1.0	0.74
108-88-3	Toluene	24.5		1.0	0.51
1330-20-7	Xylenes, Total	47.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5921.D
 Lims ID: 480-191867-D-2 MS
 Client ID: PZ03-01D
 Sample Type: MS
 Inject. Date: 08-Nov-2021 21:05:30 ALS Bottle#: 29 Worklist Smp#: 53
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-191867-D-2 MS
 Misc. Info.: 480-0102234-053
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Nov-2021 09:00:11 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: lapointec

Date: 09-Nov-2021 09:00:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.993	4.993	0.000	98	157380	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	88	328858	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.389	10.389	0.000	76	305490	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.433	0.000	56	198463	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.726	4.725	0.001	39	153483	25.0	27.8	
\$ 5 Toluene-d8 (Surr)	98	6.490	6.496	-0.006	69	885690	25.0	26.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.215	9.215	0.000	86	262961	25.0	26.1	
57 Benzene	78	4.726	4.726	0.000	97	2902609	25.0	66.9	
74 Toluene	92	6.557	6.563	0.000	88	671180	25.0	24.5	
88 Ethylbenzene	91	8.090	8.090	0.000	99	1237054	25.0	23.8	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	491820	25.0	24.1	
91 o-Xylene	106	8.631	8.631	0.000	98	478384	25.0	23.6	
S 124 Xylenes, Total	1				0			47.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00216	Amount Added: 12.50	Units: uL	
GAS CORP mix_00479	Amount Added: 12.50	Units: uL	
S_8260_IS_00352	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5921.D

Injection Date: 08-Nov-2021 21:05:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: 480-191867-D-2 MS

Worklist Smp#: 53

Client ID: PZ03-01D

Purge Vol: 5.000 mL

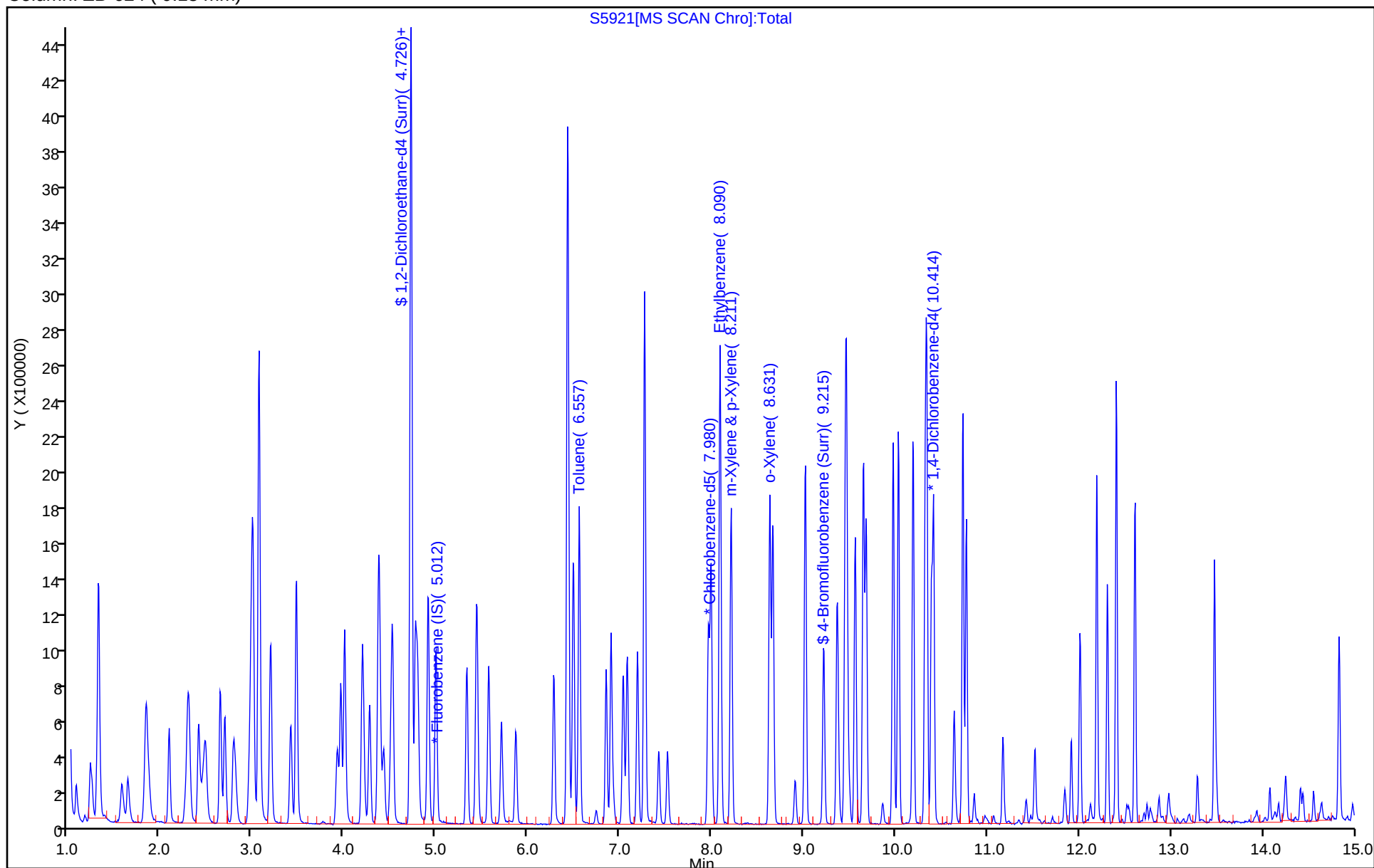
Dil. Factor: 1.0000

ALS Bottle#: 29

Method: S-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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: PZ03-01D MSD Lab Sample ID: 480-191867-2 MSD
 Matrix: Water Lab File ID: S5922.D
 Analysis Method: 8260C Date Collected: 11/02/2021 14:40
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2021 21:28
 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.: 603824 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	72.7		1.0	0.41
100-41-4	Ethylbenzene	26.7		1.0	0.74
108-88-3	Toluene	25.9		1.0	0.51
1330-20-7	Xylenes, Total	52.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5922.D
 Lims ID: 480-191867-D-2 MSD
 Client ID: PZ03-01D
 Sample Type: MSD
 Inject. Date: 08-Nov-2021 21:28:30 ALS Bottle#: 30 Worklist Smp#: 54
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-191867-D-2 MSD
 Misc. Info.: 480-0102234-054
 Operator ID: AG/WD Instrument ID: HP5973S
 Method: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Nov-2021 09:00:11 Calib Date: 02-Nov-2021 23:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20211102-102107.b\S5648.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: lapointec

Date: 09-Nov-2021 09:00:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.999	4.993	0.006	98	152478	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.962	7.962	0.000	91	332201	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.389	10.389	0.000	47	298281	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.427	4.433	0.000	53	206014	25.0	27.1	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.725	4.725	0.000	39	156156	25.0	29.2	
\$ 5 Toluene-d8 (Surr)	98	6.496	6.496	0.000	57	861361	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	9.215	9.215	0.000	85	262912	25.0	25.8	
57 Benzene	78	4.725	4.726	-0.001	97	3055114	25.0	72.7	
74 Toluene	92	6.557	6.563	0.000	87	717717	25.0	25.9	
88 Ethylbenzene	91	8.090	8.090	0.000	99	1402664	25.0	26.7	
90 m-Xylene & p-Xylene	106	8.211	8.211	0.000	98	547874	25.0	26.5	
91 o-Xylene	106	8.631	8.631	0.000	98	535083	25.0	26.2	
S 124 Xylenes, Total	1				0			52.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00216	Amount Added: 12.50	Units: uL	
GAS CORP mix_00479	Amount Added: 12.50	Units: uL	
S_8260_IS_00352	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20211108-102234.b\S5922.D

Injection Date: 08-Nov-2021 21:28:30

Instrument ID: HP5973S

Operator ID: AG/WD

Lims ID: 480-191867-D-2 MSD

Worklist Smp#: 54

Client ID: PZ03-01D

Purge Vol: 5.000 mL

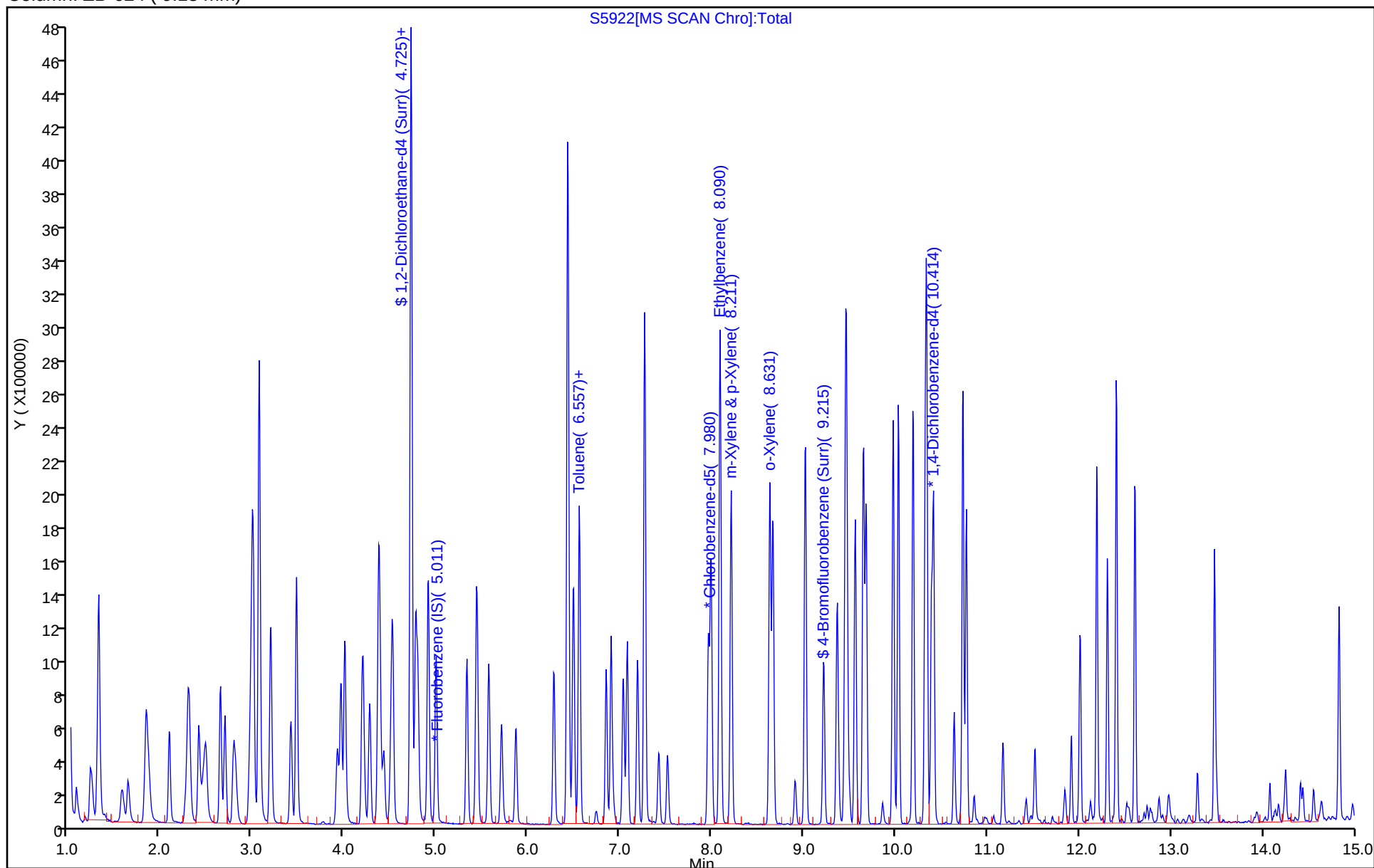
Dil. Factor: 1.0000

ALS Bottle#: 30

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-191867-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 11/02/2021 15:12Analysis Batch Number: 603077End Date: 11/03/2021 00:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-603077/2		11/02/2021 15:12	1	S5628.D	ZB-624 (20) 0.18 (mm)
IC 480-603077/4		11/02/2021 16:02	1	S5630.D	ZB-624 (20) 0.18 (mm)
IC 480-603077/5		11/02/2021 16:25	1	S5631.D	ZB-624 (20) 0.18 (mm)
IC 480-603077/6		11/02/2021 16:49	1	S5632.D	ZB-624 (20) 0.18 (mm)
IC 480-603077/7		11/02/2021 17:12	1	S5633.D	ZB-624 (20) 0.18 (mm)
IC 480-603077/8		11/02/2021 17:36	1	S5634.D	ZB-624 (20) 0.18 (mm)
ICIS 480-603077/9		11/02/2021 17:59	1	S5635.D	ZB-624 (20) 0.18 (mm)
IC 480-603077/10		11/02/2021 18:22	1	S5636.D	ZB-624 (20) 0.18 (mm)
IC 480-603077/11		11/02/2021 18:45	1	S5637.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		11/02/2021 19:31	1		ZB-624 (20) 0.18 (mm)
IC 480-603077/16		11/02/2021 20:40	1		ZB-624 (20) 0.18 (mm)
IC 480-603077/17		11/02/2021 21:03	1		ZB-624 (20) 0.18 (mm)
IC 480-603077/18		11/02/2021 21:27	1		ZB-624 (20) 0.18 (mm)
IC 480-603077/19		11/02/2021 21:50	1		ZB-624 (20) 0.18 (mm)
IC 480-603077/20		11/02/2021 22:13	1		ZB-624 (20) 0.18 (mm)
IC 480-603077/21		11/02/2021 22:37	1		ZB-624 (20) 0.18 (mm)
IC 480-603077/22		11/02/2021 23:00	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/02/2021 23:47	1		ZB-624 (20) 0.18 (mm)
ICV 480-603077/25		11/03/2021 00:10	1	S5651.D	ZB-624 (20) 0.18 (mm)
ICV 480-603077/26		11/03/2021 00:34	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-191867-1

SDG No.:

Instrument ID: HP5973S

Start Date: 11/08/2021 10:21

Analysis Batch Number: 603824

End Date: 11/08/2021 21:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-603824/2		11/08/2021 10:21	1	S5894.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-603824/3		11/08/2021 10:47	1	S5895.D	ZB-624 (20) 0.18 (mm)
CCV 480-603824/4		11/08/2021 11:10	1		ZB-624 (20) 0.18 (mm)
LCS 480-603824/5		11/08/2021 11:34	1	S5897.D	ZB-624 (20) 0.18 (mm)
RL 480-603824/6		11/08/2021 11:57	1		ZB-624 (20) 0.18 (mm)
MB 480-603824/7		11/08/2021 12:21	1	S5899.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 12:59	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 13:22	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 13:45	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 14:08	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 14:31	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 14:54	1		ZB-624 (20) 0.18 (mm)
480-191867-1	MW97-7	11/08/2021 15:17	1	S5906.D	ZB-624 (20) 0.18 (mm)
480-191867-2	PZ03-01D	11/08/2021 15:40	1	S5907.D	ZB-624 (20) 0.18 (mm)
480-191867-3	FD11022021	11/08/2021 16:03	1	S5908.D	ZB-624 (20) 0.18 (mm)
480-191867-4	MW01-17S	11/08/2021 16:26	1	S5909.D	ZB-624 (20) 0.18 (mm)
480-191867-5	TRIP BLANK	11/08/2021 16:49	1	S5910.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 17:13	8		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 17:36	8		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 18:00	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 18:23	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 18:46	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 19:09	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 19:32	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 19:56	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 20:19	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/08/2021 20:42	1		ZB-624 (20) 0.18 (mm)
480-191867-2 MS	PZ03-01D MS	11/08/2021 21:05	1	S5921.D	ZB-624 (20) 0.18 (mm)
480-191867-2 MSD	PZ03-01D MSD	11/08/2021 21:28	1	S5922.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Batch Number: 603077 Batch Start Date: 11/02/21 15:12 Batch Analyst: Hill, Leah CBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00216	BFB_WRK 00128	GAS CORP mix 00479	S_8260_IS 00352
BFB 480-603077/2		8260C		1 uL	1 uL		1 uL		
IC 480-603077/4		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-603077/5		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-603077/6		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-603077/7		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-603077/8		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-603077/9		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-603077/10		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-603077/11		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-603077/25		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_Surr 00407	SS 8260 CORP 00096	SS GAS CORP 00430			
BFB 480-603077/2		8260C							
IC 480-603077/4		8260C		1 uL					
IC 480-603077/5		8260C		1 uL					
IC 480-603077/6		8260C		1 uL					
IC 480-603077/7		8260C		1 uL					
IC 480-603077/8		8260C		1 uL					
ICIS 480-603077/9		8260C		1 uL					
IC 480-603077/10		8260C		1 uL					
IC 480-603077/11		8260C		1 uL					
ICV 480-603077/25		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

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Batch Number: 603077 Batch Start Date: 11/02/21 15:12 Batch Analyst: Hill, Leah CBatch 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.: 480-191867-1

SDG No.: _____

Batch Number: 603824 Batch Start Date: 11/08/21 10:21 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 00216	BFB_WRK 00128	GAS CORP mix 00479
BFB 480-603824/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-603824/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-603824/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-603824/7		8260C		5 mL	5 mL				
480-191867-E-1	MW97-7	8260C	T	5 mL	5 mL	<2 SU			
480-191867-E-2	PZ03-01D	8260C	T	5 mL	5 mL	<2 SU			
480-191867-E-3	FD11022021	8260C	T	5 mL	5 mL	<2 SU			
480-191867-E-4	MW01-17S	8260C	T	5 mL	5 mL	<2 SU			
480-191867-A-5	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			
480-191867-D-2 MS	PZ03-01D	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-191867-D-2 MSD	PZ03-01D	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00352	S_8260_Surr 00407	AnalysisComment			
BFB 480-603824/2		8260C							
CCVIS 480-603824/3		8260C		1 uL	1 uL				
LCS 480-603824/5		8260C		1 uL	1 uL				
MB 480-603824/7		8260C		1 uL	1 uL				
480-191867-E-1	MW97-7	8260C	T	1 uL	1 uL				
480-191867-E-2	PZ03-01D	8260C	T	1 uL	1 uL				
480-191867-E-3	FD11022021	8260C	T	1 uL	1 uL				
480-191867-E-4	MW01-17S	8260C	T	1 uL	1 uL				
480-191867-A-5	TRIP BLANK	8260C	T	1 uL	1 uL				
480-191867-D-2 MS	PZ03-01D	8260C	T	1 uL	1 uL	Client QC			
480-191867-D-2 MSD	PZ03-01D	8260C	T	1 uL	1 uL	Client QC			

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.: 480-191867-1

SDG No.: _____

Batch Number: 603824 Batch Start Date: 11/08/21 10:21 Batch Analyst: LaPointe, Cody RBatch Method: 8260C Batch End Date: _____

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.: 480-191867-1
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 #
MW97-7	480-191867-1	94	106	84
PZ03-01D	480-191867-2	96	110	92
FD11022021	480-191867-3	98	111	84
MW01-17S	480-191867-4	101	114	79
	MB 480-603553/1-A	81	103	108
	LCS 480-603553/2-A	94	113	107
PZ03-01D MS	480-191867-2 MS	102	103	65
PZ03-01D MSD	480-191867-2 MSD	110	111	63

	<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 III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Y02826603.D
 Lab ID: LCS 480-603553/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	32.0	33.5	105	60-120	
Acenaphthylene	32.0	34.5	108	63-120	
Anthracene	32.0	35.1	110	67-120	
Benzo[a]anthracene	32.0	33.9	106	70-121	
Benzo[a]pyrene	32.0	32.1	100	60-123	
Benzo[b]fluoranthene	32.0	32.6	102	66-126	
Benzo[g,h,i]perylene	32.0	33.6	105	66-150	
Benzo[k]fluoranthene	32.0	31.4	98	65-124	
Chrysene	32.0	33.3	104	69-120	
Dibenz(a,h)anthracene	32.0	31.1	97	65-135	
Fluoranthene	32.0	39.2	122	69-126	
Fluorene	32.0	36.5	114	66-120	
Indeno[1,2,3-cd]pyrene	32.0	31.2	97	69-146	
Naphthalene	32.0	31.7	99	57-120	
Phenanthrene	32.0	34.4	107	68-120	
Pyrene	32.0	33.2	104	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.: 480-191867-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Y02826670.D
 Lab ID: 480-191867-2 MS Client ID: PZ03-01D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	32.0	41	72.6	98	48-120	E
Acenaphthylene	32.0	ND	34.3	107	63-120	
Anthracene	32.0	ND	34.5	108	65-122	
Benzo[a]anthracene	32.0	ND	23.2	72	43-124	
Benzo[a]pyrene	32.0	ND	19.3	60	23-125	
Benzo[b]fluoranthene	32.0	ND	19.6	61	27-127	
Benzo[g,h,i]perylene	32.0	ND	18.9	59	16-147	
Benzo[k]fluoranthene	32.0	ND	18.1	57	20-124	
Chrysene	32.0	ND	22.7	71	44-122	
Dibenz(a,h)anthracene	32.0	ND	18.6	58	16-139	
Fluoranthene	32.0	ND	32.7	102	63-129	
Fluorene	32.0	5.4	40.3	109	62-120	
Indeno[1,2,3-cd]pyrene	32.0	ND	18.4	58	16-140	
Naphthalene	32.0	1.4 J	32.4	97	45-120	
Phenanthrene	32.0	0.81 J	34.1	104	65-122	
Pyrene	32.0	0.62 J	32.4	99	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.: 480-191867-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Y02826671.D
 Lab ID: 480-191867-2 MSD Client ID: PZ03-01D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	32.0	78.0	115	7	24	48-120	E
Acenaphthylene	32.0	36.7	115	7	18	63-120	
Anthracene	32.0	35.3	110	2	15	65-122	
Benzo[a]anthracene	32.0	23.7	74	2	15	43-124	
Benzo[a]pyrene	32.0	19.0	59	2	15	23-125	
Benzo[b]fluoranthene	32.0	19.4	61	1	15	27-127	
Benzo[g,h,i]perylene	32.0	18.5	58	2	15	16-147	
Benzo[k]fluoranthene	32.0	17.7	55	3	22	20-124	
Chrysene	32.0	22.2	70	2	15	44-122	
Dibenz(a,h)anthracene	32.0	18.3	57	2	15	16-139	
Fluoranthene	32.0	33.9	106	4	15	63-129	
Fluorene	32.0	43.5	119	8	15	62-120	
Indeno[1,2,3-cd]pyrene	32.0	18.1	57	2	15	16-140	
Naphthalene	32.0	34.9	105	7	29	45-120	
Phenanthrene	32.0	36.0	110	6	15	65-122	
Pyrene	32.0	34.2	105	5	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.: 480-191867-1
SDG No.: _____
Lab File ID: Y02826602.D Lab Sample ID: MB 480-603553/1-A
Matrix: Water Date Extracted: 11/05/2021 07:11
Instrument ID: HP5973Y Date Analyzed: 11/11/2021 19:57
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-603553/2-A	Y02826603.D	11/11/2021 20:24
PZ03-01D MS	480-191867-2 MS	Y02826670.D	11/13/2021 02:47
PZ03-01D MSD	480-191867-2 MSD	Y02826671.D	11/13/2021 03:15
PZ03-01D	480-191867-2	Y02826673.D	11/13/2021 04:09
MW97-7	480-191867-1	Y02826679.D	11/13/2021 06:53
FD11022021	480-191867-3	Y02826680.D	11/13/2021 07:20
MW01-17S	480-191867-4	Y02826681.D	11/13/2021 07:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
SDG No.: _____
Lab File ID: Y02826378.D DFTPP Injection Date: 11/03/2021
Instrument ID: HP5973Y DFTPP Injection Time: 10:17
Analysis Batch No.: 603192

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	41.2
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	44.4
70	Less than 2% of mass 69	0.1 (0.2) 1
127	10-80% of Base Peak	50.6
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	7.1
275	10-60% of Base Peak	28.5
365	Greater than 1% of mass 198	4.1
441	present but less than 24% of mass 442	21.6 (19.6) 2
442	Greater than 50% of mass 198	110.3
443	15-24% of mass 442	22.0 (19.9) 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 480-603192/3	Y02826379.D	11/03/2021	10:44
	IC 480-603192/4	Y02826380.D	11/03/2021	11:11
	IC 480-603192/5	Y02826381.D	11/03/2021	11:38
	IC 480-603192/6	Y02826382.D	11/03/2021	12:05
	ICIS 480-603192/7	Y02826383.D	11/03/2021	12:32
	IC 480-603192/8	Y02826384.D	11/03/2021	12:59
	IC 480-603192/9	Y02826385.D	11/03/2021	13:26
	IC 480-603192/10	Y02826386.D	11/03/2021	13:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
SDG No.: _____
Lab File ID: Y02826592.D DFTPP Injection Date: 11/11/2021
Instrument ID: HP5973Y DFTPP Injection Time: 15:21
Analysis Batch No.: 604439

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	31.2
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	38.1
70	Less than 2% of mass 69	0.1 (0.3) 1
127	10-80% of Base Peak	47.1
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	31.7
365	Greater than 1% of mass 198	4.3
441	present but less than 24% of mass 442	1.5 (1.1) 2
442	Greater than 50% of mass 198	142.1
443	15-24% of mass 442	28.9 (20.3) 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 480-604439/3	Y02826593.D	11/11/2021	15:49
	MB 480-603553/1-A	Y02826602.D	11/11/2021	19:57
	LCS 480-603553/2-A	Y02826603.D	11/11/2021	20:24

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
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.: 480-191867-1
SDG No.: _____
Lab File ID: Y02826665.D DFTPP Injection Date: 11/13/2021
Instrument ID: HP5973Y DFTPP Injection Time: 00:31
Analysis Batch No.: 604662

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	29.7
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	35.7
70	Less than 2% of mass 69	0.0 (0.1) 1
127	10-80% of Base Peak	45.4
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	6.9
275	10-60% of Base Peak	33.8
365	Greater than 1% of mass 198	4.6
441	present but less than 24% of mass 442	8.2 (4.9) 2
442	Greater than 50% of mass 198	169.3
443	15-24% of mass 442	32.9 (19.5) 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 480-604662/3	Y02826666.D	11/13/2021	0:58
PZ03-01D MS	480-191867-2 MS	Y02826670.D	11/13/2021	2:47
PZ03-01D MSD	480-191867-2 MSD	Y02826671.D	11/13/2021	3:15
PZ03-01D	480-191867-2	Y02826673.D	11/13/2021	4:09
MW97-7	480-191867-1	Y02826679.D	11/13/2021	6:53
FD11022021	480-191867-3	Y02826680.D	11/13/2021	7:20
MW01-17S	480-191867-4	Y02826681.D	11/13/2021	7:47

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Sample No.: ICIS 480-603192/7 Date Analyzed: 11/03/2021 12:32
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826383.D Heated Purge: (Y/N) N
 Calibration ID: 42664

	DCBd4		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	324907	6.67	1247120	7.77	670031	9.26
UPPER LIMIT	649814	7.17	2494240	8.27	1340062	9.76
LOWER LIMIT	162454	6.17	623560	7.27	335016	8.76
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-604439/3		292262	6.63	1020323	7.72	589586 9.21

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.: 480-191867-1
 SDG No.: _____
 Sample No.: ICIS 480-603192/7 Date Analyzed: 11/03/2021 12:32
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826383.D Heated Purge: (Y/N) N
 Calibration ID: 42664

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	1125511	10.52	943332	13.32	1003132	15.61
UPPER LIMIT	2251022	11.02	1886664	13.82	2006264	16.11
LOWER LIMIT	562756	10.02	471666	12.82	501566	15.11
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-604439/3		1090937	10.47	1088457	13.25	1206206 15.52

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.: 480-191867-1
 SDG No.: _____
 Sample No.: CCVIS 480-604439/3 Date Analyzed: 11/11/2021 15:49
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826593.D Heated Purge: (Y/N) N
 Calibration ID: 42678

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		292262	6.63	1020323	7.72	589586	9.21
UPPER LIMIT		584524	7.13	2040646	8.22	1179172	9.71
LOWER LIMIT		146131	6.13	510162	7.22	294793	8.71
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 480-603553/1-A		263689	6.63	951391	7.72	573519	9.21
LCS 480-603553/2-A		259025	6.63	937696	7.72	549047	9.21

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.: 480-191867-1
 SDG No.: _____
 Sample No.: CCVIS 480-604439/3 Date Analyzed: 11/11/2021 15:49
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826593.D Heated Purge: (Y/N) N
 Calibration ID: 42678

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	1090937	10.47	1088457	13.25	1206206	15.52	
UPPER LIMIT	2181874	10.97	2176914	13.75	2412412	16.02	
LOWER LIMIT	545469	9.97	544229	12.75	603103	15.02	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-603553/1-A		1014608	10.47	1014124	13.25	1132062	15.52
LCS 480-603553/2-A		1037991	10.47	1014373	13.25	1143125	15.52

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.: 480-191867-1
 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 480-604662/3		348892	6.63	1181778	7.72	718785	9.21

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.: 480-191867-1
 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
CCVIS 480-604662/3		1343601	10.47	1267233	13.25	1455473

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.: 480-191867-1
 SDG No.: _____
 Sample No.: CCVIS 480-604662/3 Date Analyzed: 11/13/2021 00:58
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826666.D Heated Purge: (Y/N) N
 Calibration ID: 42720

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		348892	6.63	1181778	7.72	718785	9.21
UPPER LIMIT		697784	7.13	2363556	8.22	1437570	9.71
LOWER LIMIT		174446	6.13	590889	7.22	359393	8.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-191867-2 MS	PZ03-01D MS	260748	6.63	915883	7.72	563345	9.21
480-191867-2 MSD	PZ03-01D MSD	271161	6.63	949449	7.72	580377	9.21
480-191867-2	PZ03-01D	249763	6.63	898937	7.72	548813	9.21
480-191867-1	MW97-7	259580	6.63	951301	7.72	573893	9.21
480-191867-3	FD11022021	259139	6.63	939136	7.72	567983	9.21
480-191867-4	MW01-17S	256485	6.63	919863	7.71	553416	9.20

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.: 480-191867-1
 SDG No.: _____
 Sample No.: CCVIS 480-604662/3 Date Analyzed: 11/13/2021 00:58
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826666.D Heated Purge: (Y/N) N
 Calibration ID: 42720

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1343601	10.47	1267233	13.25	1455473	15.52
UPPER LIMIT	2687202	10.97	2534466	13.75	2910946	16.02
LOWER LIMIT	671801	9.97	633617	12.75	727737	15.02
LAB SAMPLE ID	CLIENT SAMPLE ID					
480-191867-2 MS	PZ03-01D MS	1012124	10.47	1004901	13.25	1140297 15.52
480-191867-2 MSD	PZ03-01D MSD	1045377	10.47	1034838	13.25	1159984 15.52
480-191867-2	PZ03-01D	971110	10.47	948071	13.25	1075406 15.52
480-191867-1	MW97-7	1009934	10.47	996013	13.25	1147421 15.52
480-191867-3	FD11022021	996315	10.47	964815	13.25	1113795 15.52
480-191867-4	MW01-17S	983540	10.47	1002434	13.25	1098534 15.52

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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: MW97-7 Lab Sample ID: 480-191867-1
 Matrix: Water Lab File ID: Y02826679.D
 Analysis Method: 8270D Date Collected: 11/02/2021 11:50
 Extract. Method: 3510C Date Extracted: 11/05/2021 07:11
 Sample wt/vol: 250 (mL) Date Analyzed: 11/13/2021 06:53
 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.: 604662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	2.5	J	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	106		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	94		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\20211112-102376.b\Y02826679.D
 Lims ID: 480-191867-B-1-A
 Client ID: MW97-7
 Sample Type: Client
 Inject. Date: 13-Nov-2021 06:53:30 ALS Bottle#: 46 Worklist Smp#: 16
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102376-016
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 14:53:13 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: 15-Nov-2021 14:35:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.627	-0.001	92	259580	4.00	
* 2 Naphthalene-d8	136	7.715	7.717	-0.002	98	951301	4.00	
* 3 Acenaphthene-d10	164	9.205	9.207	-0.002	90	573893	4.00	
* 4 Phenanthrene-d10	188	10.468	10.470	-0.002	94	1009934	4.00	
* 5 Chrysene-d12	240	13.249	13.250	-0.001	99	996013	4.00	
* 6 Perylene-d12	264	15.522	15.523	-0.001	98	1147421	4.00	
\$ 9 Nitrobenzene-d5	82	7.091	7.093	-0.002	86	592286	7.56	
\$ 10 2-Fluorobiphenyl	172	8.604	8.605	-0.001	99	1653359	8.50	
\$ 12 p-Terphenyl-d14	244	11.887	11.886	0.001	96	1743461	6.71	
74 Naphthalene	128		7.737				ND	
108 Acenaphthylene	152	9.089	9.091	-0.002	94	7781	0.0309	
110 Acenaphthene	153	9.234	9.235	-0.001	93	103703	0.6177	
124 Fluorene	166		9.669				ND	
151 Phenanthrene	178		10.489				ND	U
152 Anthracene	178	10.533	10.532	0.001	54	1951	0.007498	
164 Fluoranthene	202		11.548				ND	
167 Pyrene	202	11.785	11.786	-0.002	82	3702	0.0123	
180 Benzo[a]anthracene	228		13.233				ND	
182 Chrysene	228		13.287				ND	U
186 Benzo[b]fluoranthene	252		14.888				ND	
187 Benzo[k]fluoranthene	252		14.930				ND	
189 Benzo[a]pyrene	252		15.430				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.430				ND	
194 Dibenz(a,h)anthracene	278		17.444				ND	
195 Benzo[g,h,i]perylene	276		18.001				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 14:53:42

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826679.D

Injection Date: 13-Nov-2021 06:53:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-191867-B-1-A

Lab Sample ID: 480-191867-1

Worklist Smp#: 16

Client ID: MW97-7

Injection Vol: 2.0 ul

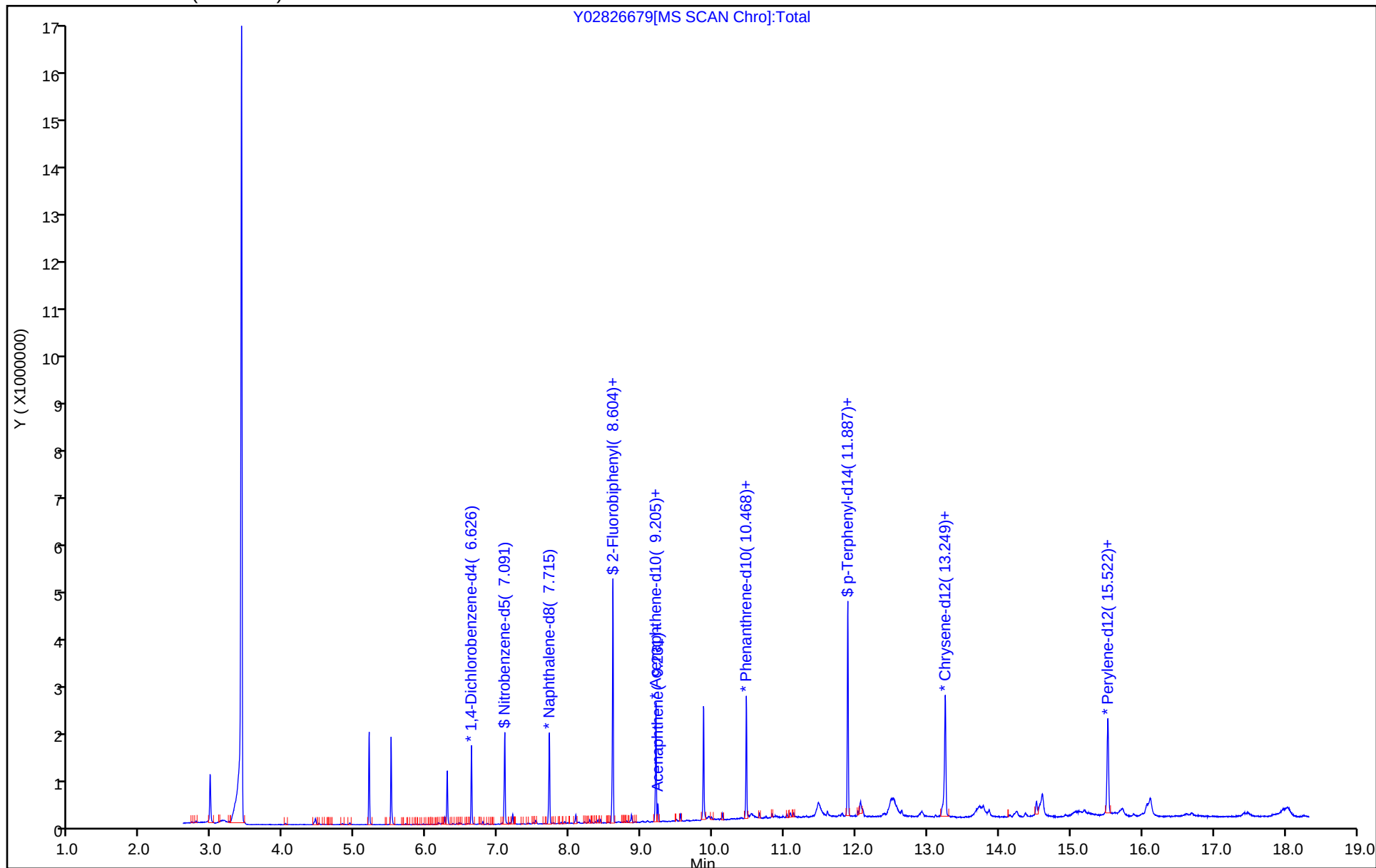
Dil. Factor: 1.0000

ALS Bottle#: 46

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\20211112-102376.b\Y02826679.D

Injection Date: 13-Nov-2021 06:53:30

Instrument ID: HP5973Y

Lims ID: 480-191867-B-1-A

Lab Sample ID: 480-191867-1

Client ID: MW97-7

Operator ID: JM

ALS Bottle#: 46

Worklist Smp#: 16

Injection Vol: 2.0 ul

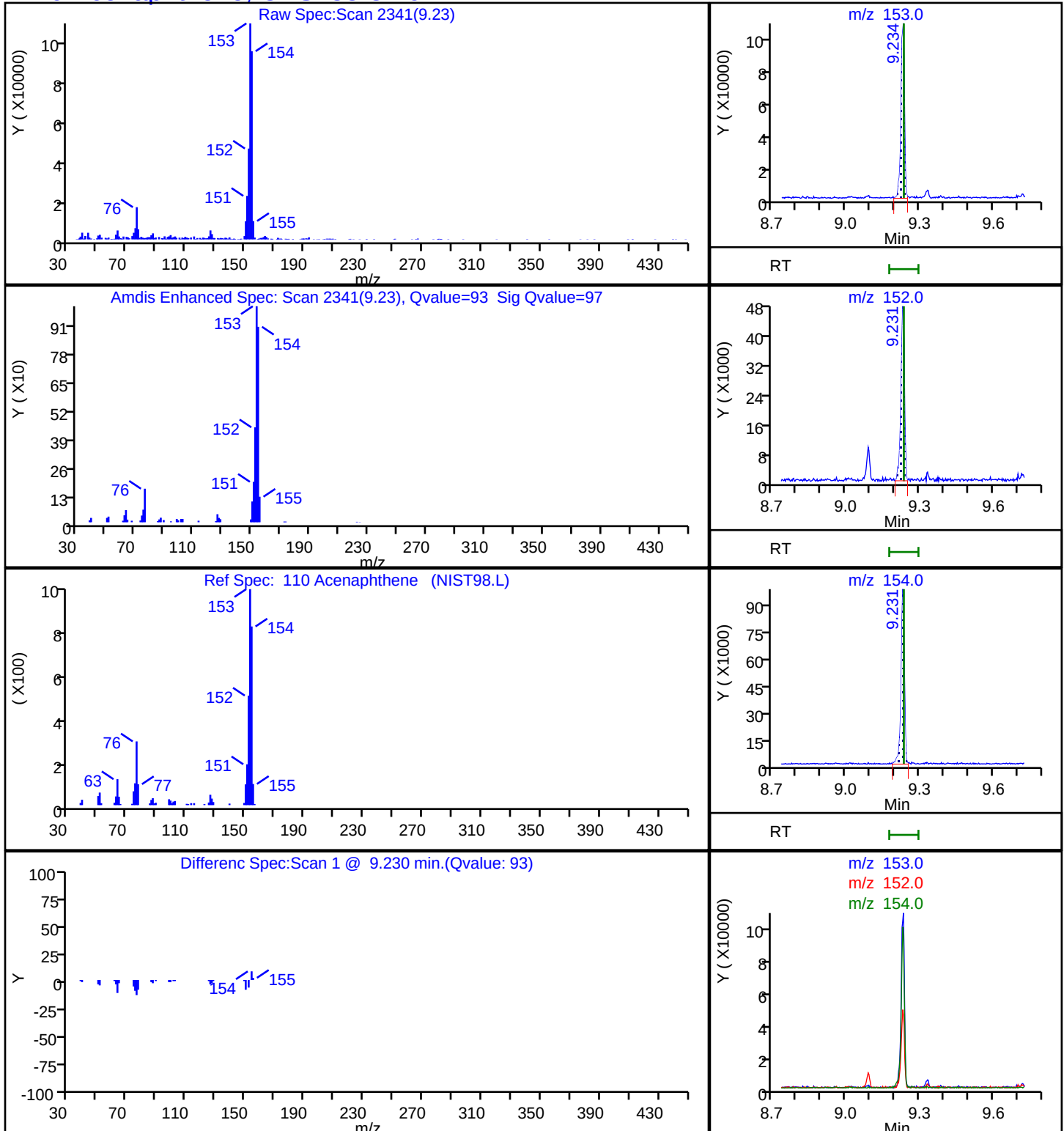
Dil. Factor: 1.0000

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\20211112-102376.b\Y02826679.D

Injection Date: 13-Nov-2021 06:53:30

Instrument ID: HP5973Y

Lims ID: 480-191867-B-1-A

Lab Sample ID: 480-191867-1

Client ID: MW97-7

Operator ID: JM

ALS Bottle#:

46

Worklist Smp#: 16

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

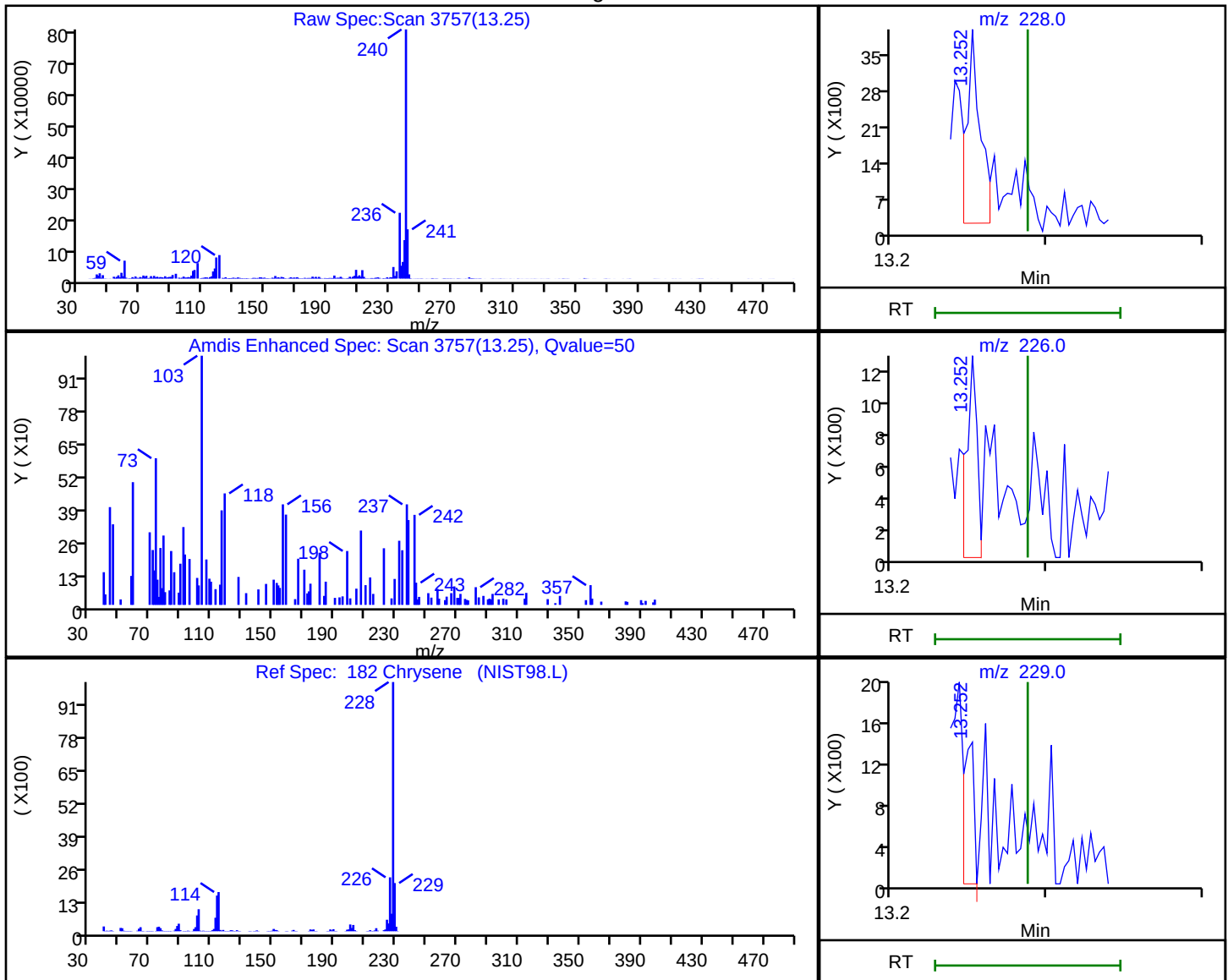
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

182 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
13.25	228.00	2293	0.007994
13.25	226.00	574	
13.25	229.00	651	

Reviewer: marshallj, 15-Nov-2021 14:35:31

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>480-191867-1</u>
SDG No.: _____	
Client Sample ID: <u>PZ03-01D</u>	Lab Sample ID: <u>480-191867-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y02826673.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>11/02/2021 14:40</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>11/05/2021 07:11</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>11/13/2021 04:09</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>604662</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	41		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	5.4		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	1.4	J	5.0	0.76
85-01-8	Phenanthrene	0.81	J	5.0	0.44
129-00-0	Pyrene	0.62	J	5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	110		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	96		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\20211112-102376.b\Y02826673.D
 Lims ID: 480-191867-C-2-B
 Client ID: PZ03-01D
 Sample Type: Client
 Inject. Date: 13-Nov-2021 04:09:30 ALS Bottle#: 40 Worklist Smp#: 10
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102376-010
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 14:53:13 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: 15-Nov-2021 13:23:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.627	-0.001	93	249763	4.00	
* 2 Naphthalene-d8	136	7.716	7.717	-0.001	98	898937	4.00	
* 3 Acenaphthene-d10	164	9.205	9.207	-0.002	90	548813	4.00	
* 4 Phenanthrene-d10	188	10.468	10.470	-0.002	94	971110	4.00	
* 5 Chrysene-d12	240	13.249	13.250	-0.001	97	948071	4.00	
* 6 Perylene-d12	264	15.522	15.523	-0.001	98	1075406	4.00	
\$ 7 2-Fluorophenol	112	5.502	5.484	0.018	89	435066	6.50	
\$ 8 Phenol-d5	99	6.286	6.284	0.002	0	375467	4.87	
\$ 9 Nitrobenzene-d5	82	7.089	7.093	-0.004	87	570946	7.71	
\$ 10 2-Fluorobiphenyl	172	8.604	8.605	-0.001	99	1637436	8.80	
\$ 11 2,4,6-Tribromophenol	330	9.872	9.871	0.001	90	339898	8.69	
\$ 12 p-Terphenyl-d14	244	11.887	11.886	0.001	96	1828664	7.39	
237 Lidocaine	1		0.195				ND	
13 1,4-Dioxane	88		3.693				ND	
14 N-Nitrosodimethylamine	42		4.085				ND	
15 Pyridine	52		4.130				ND	
18 1-Methylcyclopentanol	71		4.617				ND	
19 2-Picoline	93		4.932				ND	
20 N-Nitrosomethylethylamine	88		5.037				ND	
21 2-Chlorobenzotrifluoride	180		5.167				ND	
23 4-Chlorobenzotrifluoride	180		5.237				ND	
24 Acrylamide	71		5.304				ND	
25 n,n'-Dimethylacetamide	87		5.306				ND	
22 Methyl methanesulfonate	80		5.321				ND	
26 4-Chloropyridine	78	5.434	5.474	-0.041	0	810	NC	
196 CBF-400	214		5.530				ND	
27 3-Chloropyridine	78		5.564				ND	
29 3-Chlorobenzotrifluoride	180		5.637				ND	
28 N-Nitrosodiethylamine	102		5.687				ND	
31 2-Chloropyridine	78		5.922				ND	
30 Ethyl methanesulfonate	79		5.936				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	
34 4-Chlorotoluene	91		6.134				ND	
35 Benzaldehyde	77		6.253				ND	
37 Phenol	94		6.296				ND	
36 Aniline	93		6.341				ND	
39 Bis(2-chloroethyl)ether	93		6.372				ND	
38 Pentachloroethane	167		6.388				ND	
42 p-Fluoroaniline	111		6.408				ND	
40 2-Chlorophenol	128		6.452				ND	
41 n-Decane	57	6.456	6.454	0.002	73	5668	0.1097	
43 1,3-Dichlorobenzene	146		6.582				ND	
44 1,4-Dichlorobenzene	146		6.642				ND	
45 Benzyl alcohol	108		6.727				ND	
46 1,2-Dichlorobenzene	146		6.778				ND	
48 2-Methylphenol	108		6.809				ND	
49 2,2'-oxybis[1-chloropropane]	45		6.832				ND	
47 Indene	115	6.850	6.855	-0.004	93	56553	0.4323	
51 N-Methylaniline	106		6.855				ND	
50 N-Nitrosopyrrolidine	100		6.932				ND	
57 4-Methylphenol	108		6.934				ND	
53 N-Nitrosodi-n-propylamine	70		6.942				ND	
52 Acetophenone	105		6.957				ND	U
54 N-Nitrosomorpholine	56		6.961				ND	
56 2-Toluidine	106		6.989				ND	
55 4-Methylbenzenamine	106		7.038				ND	
60 2,6-Dichloropyridine	112		7.071				ND	
58 Hexachloroethane	117		7.073				ND	
59 Nitrobenzene	77		7.110				ND	
61 N-Nitrosopiperidine	114		7.233				ND	
65 Benzeneacetonitrile	117		7.282				ND	
62 Isophorone	82		7.303				ND	
64 2-Nitrophenol	139		7.379				ND	
282 2,4-Dichlorotoluene	125		7.383				ND	
66 2,4-Dimethylphenol	107		7.385				ND	
63 2-Chloroaniline	127		7.395				ND	U
287 1,3,5-Trichlorobenzene	180		7.416				ND	
68 o,o',o''-Triethylphosphorothioat	198		7.426				ND	
69 Bis(2-chloroethoxy)methane	93		7.459				ND	
70 Benzoic acid	105		7.484				ND	
67 Tetraethyl lead	237		7.486				ND	
71 alpha,alpha-Dimethyl phenethylam	59		7.562				ND	
72 2,4-Dichlorophenol	162		7.584				ND	
73 1,2,4-Trichlorobenzene	180		7.660				ND	
286 4-Chlorophenol	128		7.691				ND	
74 Naphthalene	128	7.733	7.737	-0.004	92	82005	0.3584	
75 Alpha-Terpineol	59		7.756				ND	
76 4-Chloroaniline	127		7.757				ND	
77 2,6-Dichlorophenol	162		7.774				ND	
78 Hexachloropropene	213		7.809				ND	
79 Hexachlorobutadiene	225		7.825				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		8.011				ND	U
82 N-Nitrosodi-n-butylamine	84		8.014				ND	
83 p-Phenylene diamine	108		8.048				ND	
84 Caprolactam	113		8.055				ND	
85 4-Chloro-3-methylphenol	107		8.146				ND	
86 Safrole, Total	162		8.212				ND	
281 2,4,5-Trichlorotoluene	159	8.297	8.292	0.001	0	463	NC	
198 NVF-400	82	8.332	8.306	0.021	0	725	0.003226	
87 2-Methylnaphthalene	142	8.312	8.316	-0.004	82	7962	0.0501	
258 CU-600	58	8.354	8.312	0.038	0	414	0.001842	
88 Phthalic anhydride	104		8.391				ND	
89 1-Methylnaphthalene	142	8.400	8.401	-0.001	91	691433	4.76	
90 Hexachlorocyclopentadiene	237		8.449				ND	
91 1,2,4,5-Tetrachlorobenzene	216		8.458				ND	
275 Isosafrole Peak 1	162		8.459				ND	
93 2,4,6-Trichlorophenol	196		8.543				ND	
94 2,4,5-Trichlorophenol	196		8.580				ND	
284 2,3-Dichlorobenzeneamine	161	8.593	8.592	-0.003	10	165	NC	
277 Isosafrole Peak 2	162		8.652				ND	U
95 Isosafrole	162		8.652				ND	U
96 1,1'-Biphenyl	154	8.698	8.696	0.002	82	8668	0.0444	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730				ND	
97 2-Chloronaphthalene	162		8.733				ND	U
99 1-Chloronaphthalene	162		8.757				ND	U
100 2-Nitroaniline	65		8.798				ND	
102 1,4-Naphthoquinone	158		8.868				ND	
104 1,4-Dinitrobenzene	168		8.896				ND	
103 Dicyclohexylamine	138		8.916				ND	
105 Dimethyl phthalate	163		8.920				ND	
106 1,3-Dinitrobenzene	168		8.963				ND	
107 2,6-Dinitrotoluene	165		8.986				ND	U
108 Acenaphthylene	152		9.091				ND	U
109 3-Nitroaniline	138		9.139				ND	
111 2,4-Dinitrophenol	184		9.224				ND	
110 Acenaphthene	153	9.234	9.235	-0.001	94	1652918	10.3	
112 4-Nitrophenol	109		9.255				ND	
114 2,4-Dinitrotoluene	165		9.329				ND	U
113 Pentachlorobenzene	250		9.347				ND	
115 Dibenzofuran	168		9.377				ND	U
116 1-Naphthylamine	143		9.438				ND	U
117 2,3,5,6-Tetrachlorophenol	232		9.438				ND	U
118 2,3,4,6-Tetrachlorophenol	232		9.471				ND	
121 Hexadecane	57		9.499				ND	U
119 2-Naphthylamine	143		9.500				ND	
120 Diethyl phthalate	149		9.505				ND	
122 Thionazin	97		9.580				ND	
123 4-Chlorophenyl phenyl ether	204		9.638				ND	
125 N-Nitro-o-toluidine	152		9.657				ND	
126 4-Nitroaniline	138		9.658				ND	
124 Fluorene	166	9.665	9.669	-0.004	96	235585	1.36	
127 4,6-Dinitro-2-methylphenol	198		9.681				ND	
128 Tributyl phosphate	99		9.700				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169		9.735				ND	U
129 Diphenylamine	169		9.735				ND	U
131 1,2-Diphenylhydrazine	77		9.774				ND	
132 Azobenzene	77		9.774				ND	
134 Sulfotepp	322		9.824				ND	
135 1,3,5-Trinitrobenzene	213		9.923				ND	
278 Diallate Peak 1	86		9.963				ND	
136 Diallate	86		9.963				ND	
138 Phenacetin	108		9.966				ND	
137 Phorate	75		9.971				ND	U
280 Diallate Peak 2	86		10.042				ND	
139 4-Bromophenyl phenyl ether	248		10.055				ND	
141 Dimethoate	87		10.125				ND	U
140 Hexachlorobenzene	284		10.143				ND	
143 Atrazine	200		10.152				ND	
142 Simazine	201		10.173				ND	
148 n-Octadecane	57		10.268				ND	
144 4-Aminobiphenyl	169		10.275				ND	
147 Pronamide	173		10.292				ND	
145 Pentachlorophenol	266		10.299				ND	U
146 Pentachloronitrobenzene	237		10.312				ND	
149 Disulfoton	88		10.408				ND	U
150 Dinoseb	211		10.417				ND	
151 Phenanthrene	178	10.488	10.489	-0.001	94	51445	0.2036	
152 Anthracene	178	10.531	10.532	-0.001	89	11916	0.0476	
153 Carbazole	167	10.650	10.648	0.002	96	35744	0.1667	
155 Methyl parathion	109		10.735				ND	
154 Alachlor	160		10.778				ND	U
157 Di-n-butyl phthalate	149	10.871	10.870	0.001	67	13828	0.0505	
288 2-Methylantracene	192	10.885	10.881	0.000	86	5872	NC	
158 Ethyl Parathion	97		11.055				ND	
159 4-Nitroquinoline-1-oxide	190		11.135				ND	
161 Methapyrilene	58		11.160				ND	
160 Anthraquinone	180		11.220				ND	
162 Isodrin	193		11.407				ND	U
164 Fluoranthene	202	11.547	11.548	-0.002	94	22599	0.0805	
166 Benzidine	184		11.630				ND	
165 1-Hydroxyanthraquinone	224		11.632				ND	
241 5-Methyl-o-Anisidine	122		11.753				ND	U
167 Pyrene	202	11.788	11.786	0.002	97	44564	0.1555	
276 Aramite Peak 1	185		11.807				ND	U
279 Aramite Peak 2	185		11.887				ND	U
168 Aramite, Total	185		11.887				ND	
170 p-Dimethylamino azobenzene	120		12.032				ND	
171 Chlorobenzilate	251		12.063				ND	
169 1,4-Dihydroxyanthraquinone	240		12.123				ND	U
174 Butyl benzyl phthalate	149	12.389	12.391	-0.002	50	6789	0.0567	
172 Famphur	218		12.412				ND	
173 3,3'-Dimethylbenzidine	212		12.420				ND	
175 9-Octadecenamide	59		12.441				ND	
176 Kepone	272		12.634				ND	
177 2-Acetylaminofluorene	181		12.752				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	13.113	13.114	-0.001	91	18469	0.1083	
178 4,4'-Methylene bis(2-chloroaniline)	231		13.138				ND	
179 3,3'-Dichlorobenzidine	252		13.151				ND	
180 Benzo[a]anthracene	228		13.233				ND	
182 Chrysene	228		13.287				ND	
183 6-Methylchrysene	242		13.950				ND	
184 Di-n-octyl phthalate	149		14.093				ND	
185 7,12-Dimethylbenz(a)anthracene	256		14.861				ND	
186 Benzo[b]fluoranthene	252		14.888				ND	
187 Benzo[k]fluoranthene	252		14.930				ND	
192 Hexachlorophene	196		15.237				ND	
283 Benzo[e]pyrene	252	15.380	15.331	0.045	1	162	NC	
189 Benzo[a]pyrene	252		15.430				ND	
190 3-Methylcholanthrene	268		15.990				ND	
191 Dibenz[a,h]acridine	279		16.952				ND	U
193 Indeno[1,2,3-cd]pyrene	276		17.430				ND	
194 Dibenz(a,h)anthracene	278		17.444				ND	
195 Benzo[g,h,i]perylene	276		18.001				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	
297 Fluorobenzene TIC	1		0.000				ND	
291 1,4-Dibromobenzene TIC	1		0.000				ND	
294 3'-Bromoacetophenone TIC	1		0.000				ND	
298 2-Bromopyridine TIC	1		0.000				ND	
290 1,3-Dibromobenzene TIC	1		0.000				ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000				ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000				ND	
303 Carbofuran	1		0.000				ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000				ND	
292 Ethylene Dibromide TIC	1		0.000				ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000				ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000				ND	
302 1-Bromo-2-chloroethane TIC	1		0.000				ND	
219 Photomirex TIC	1		0.195				ND	
206 2,4-Toluene diamine	1		0.195				ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195				ND	
240 Prometryn (TIC)	1		0.195				ND	
210 Dibenzo[a,h]pyrene	1		0.195				ND	
220 Tetramethyl lead TIC	1		0.195				ND	
204 2,6-Dichlorotoluene TIC	1		0.195				ND	
212 Hexamethyldisiloxane TIC	1		0.195				ND	
244 Pendimethalin	1		0.195				ND	
211 Pendimethalin (TIC)	1		0.195				ND	
227 Dibenz[a,i]acridine	279		0.195				ND	
230 2,3-Dichlorophenol	1		0.195				ND	
225 Dibenz(a,i)pyrene	1		0.195				ND	
205 Phenylmercaptan	110		0.195				ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195				ND	
215 trans Azobenzene (TIC)	1		0.195				ND	
224 1-Bromopropane	1		0.195				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
238 Phenylacetic Acid	1		0.195				ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195				ND	
247 Benefin (TIC)	1		0.195				ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195				ND	
254 4,4'-DDD	235		12.190				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	8.400	8.254	0.146	91	691433	3.08	
T 305 5-Methyl-o-Anisidine TIC	122	8.601	8.499	0.100	35	4834	0.0215	
T 306 o-Anisidine TIC	80	8.604	8.499	0.100	28	4640	0.0206	
T 304 2-Ethoxyethanol TIC	59	8.604	8.539	0.061	12	1632	0.007262	
T 156 2,3,7,8-TCDD	322	12.665	12.712	-0.054	1	25	0.000182	
T 274 2-Aminopyridine TIC	99	12.066	13.161	-1.098	4	1387	0.0222	
T 213 4,4'-Methylene bis(2-chloroaniline)	281	13.899	15.432	-1.541	1	501	0.002229	
T 289 2,3,7,8-TCDD TIC	322		0.000				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826673.D

Injection Date: 13-Nov-2021 04:09:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-191867-C-2-B

Lab Sample ID: 480-191867-2

Worklist Smp#: 10

Client ID: PZ03-01D

Injection Vol: 2.0 ul

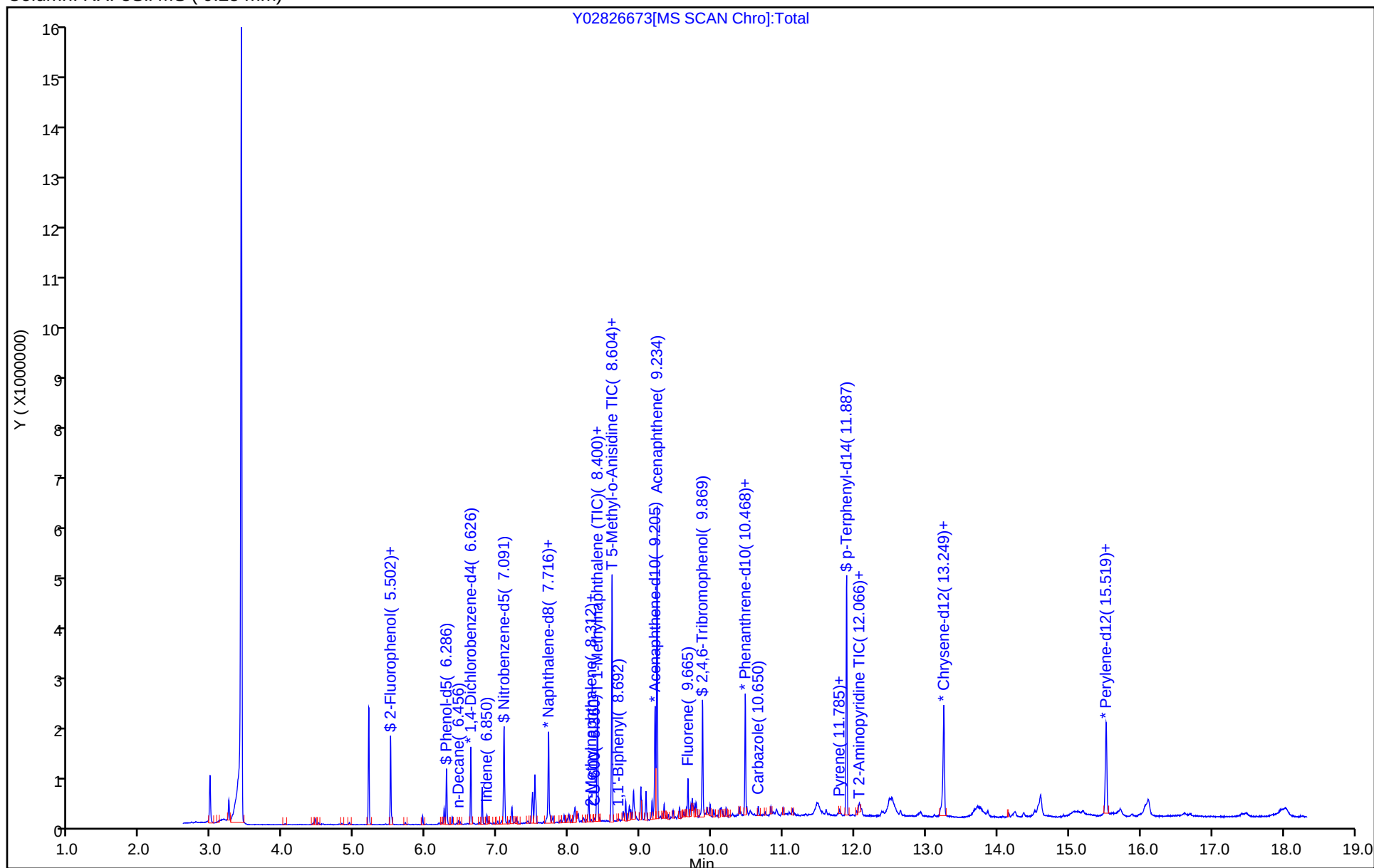
Dil. Factor: 1.0000

ALS Bottle#: 40

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\20211112-102376.b\Y02826673.D

Injection Date: 13-Nov-2021 04:09:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-2-B

Lab Sample ID: 480-191867-2

Client ID: PZ03-01D

Operator ID: JM

ALS Bottle#: 40

Worklist Smp#: 10

Injection Vol: 2.0 ul

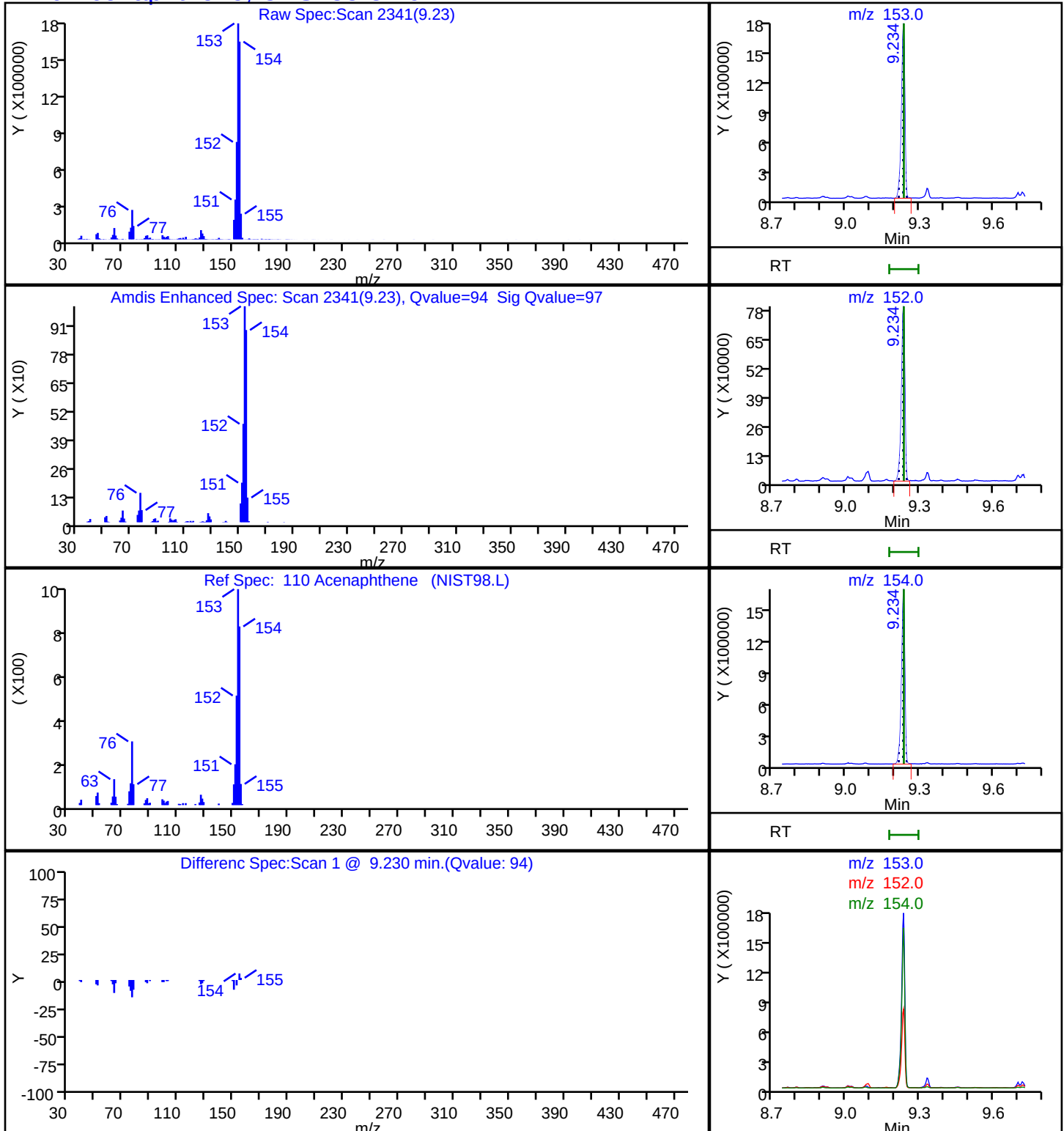
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Acenaphthene, CAS: 83-32-9

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826673.D

Injection Date: 13-Nov-2021 04:09:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-2-B

Lab Sample ID: 480-191867-2

Client ID: PZ03-01D

Operator ID: JM

ALS Bottle#: 40

Worklist Smp#: 10

Injection Vol: 2.0 ul

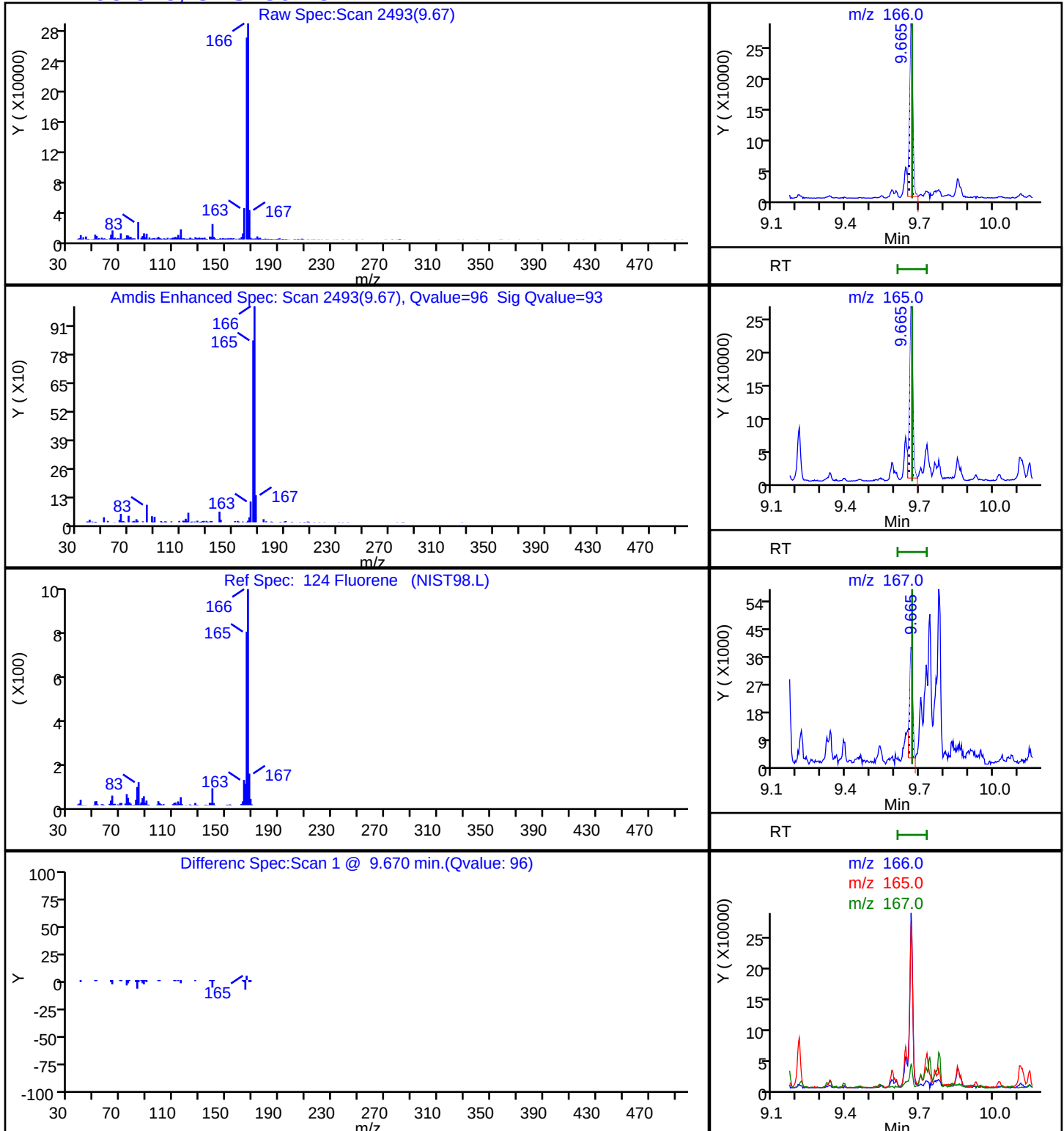
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

124 Fluorene, CAS: 86-73-7

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826673.D

Injection Date: 13-Nov-2021 04:09:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-2-B

Lab Sample ID: 480-191867-2

Client ID: PZ03-01D

Operator ID: JM

ALS Bottle#: 40

Worklist Smp#: 10

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

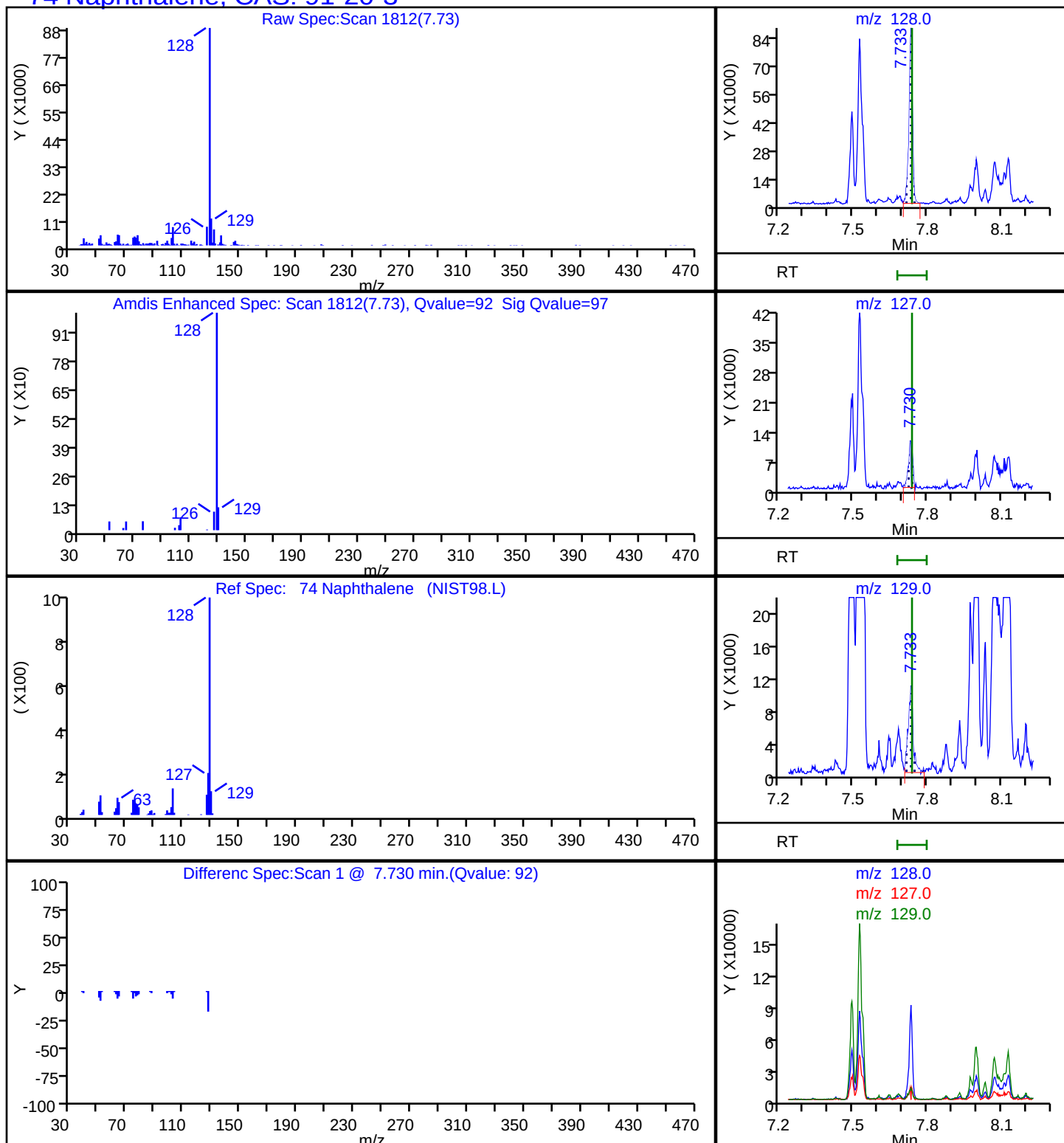
Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Naphthalene, CAS: 91-20-3



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826673.D

Injection Date: 13-Nov-2021 04:09:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-2-B

Lab Sample ID: 480-191867-2

Client ID: PZ03-01D

Operator ID: JM

ALS Bottle#: 40

Worklist Smp#: 10

Injection Vol: 2.0 ul

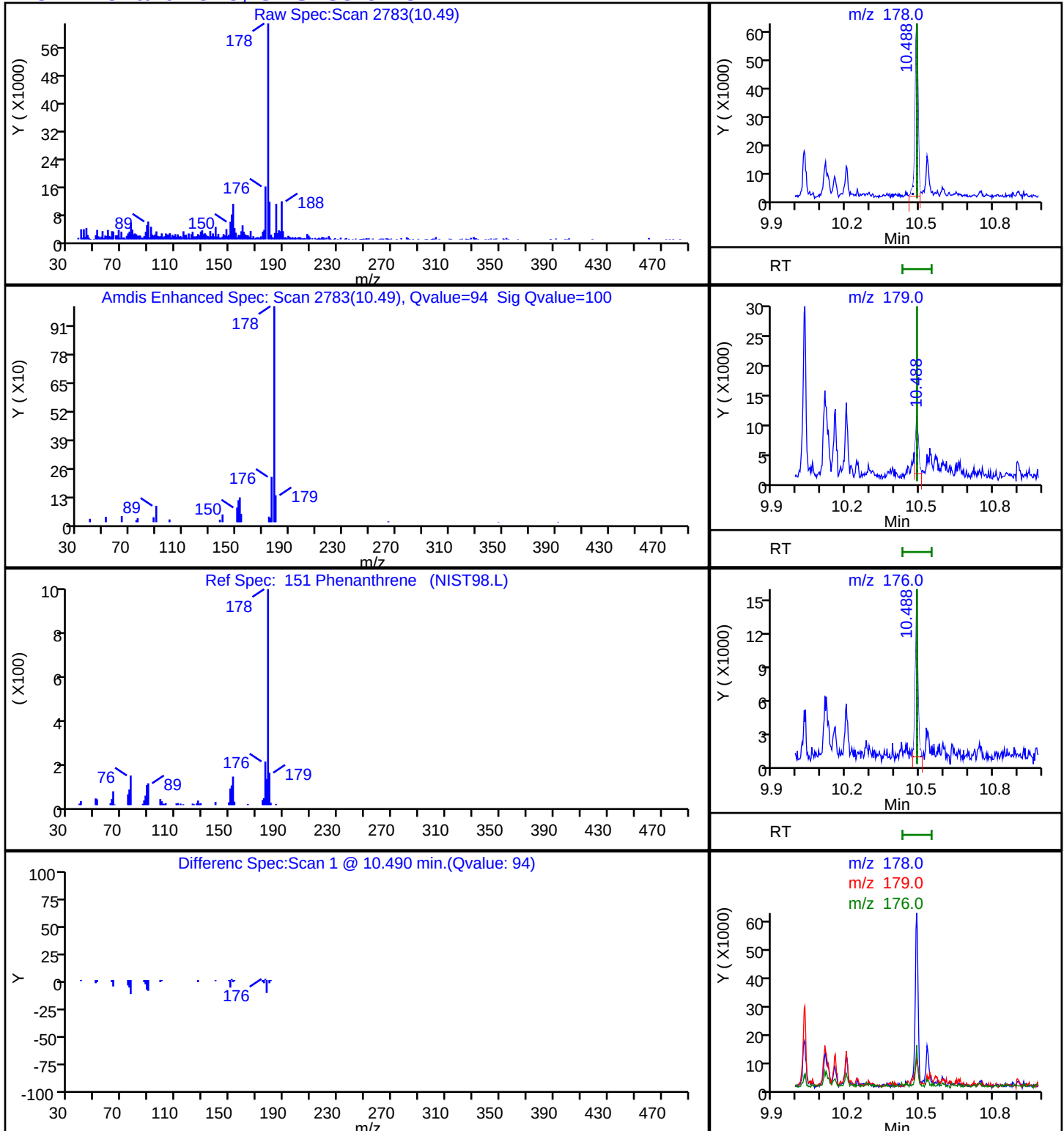
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

151 Phenanthrene, CAS: 85-01-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826673.D

Injection Date: 13-Nov-2021 04:09:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-2-B

Lab Sample ID: 480-191867-2

Client ID: PZ03-01D

Operator ID: JM

ALS Bottle#: 40

Worklist Smp#: 10

Injection Vol: 2.0 ul

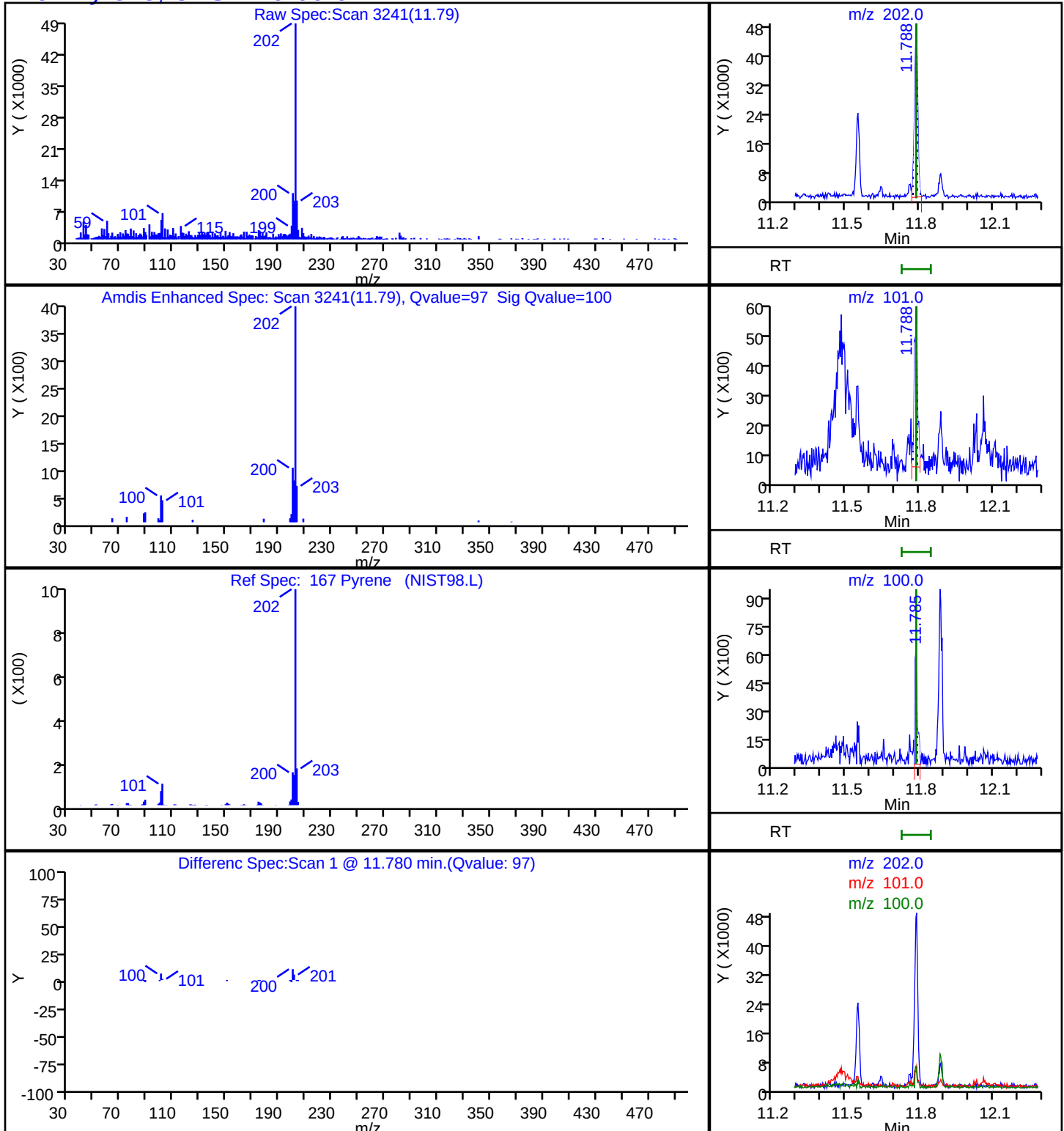
Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

167 Pyrene, CAS: 129-00-0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-191867-1</u>
SDG No.: _____	
Client Sample ID: <u>FD11022021</u>	Lab Sample ID: <u>480-191867-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y02826680.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>11/02/2021 00:00</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>11/05/2021 07:11</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>11/13/2021 07:20</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>604662</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	47		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	6.4		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	1.6	J	5.0	0.76
85-01-8	Phenanthrene	1.0	J	5.0	0.44
129-00-0	Pyrene	0.70	J	5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	111		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	98		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\20211112-102376.b\Y02826680.D
 Lims ID: 480-191867-C-3-A
 Client ID: FD11022021
 Sample Type: Client
 Inject. Date: 13-Nov-2021 07:20:30 ALS Bottle#: 47 Worklist Smp#: 17
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102376-017
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 14:53:13 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: 15-Nov-2021 14:36:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.627	-0.001	93	259139	4.00	
* 2 Naphthalene-d8	136	7.716	7.717	-0.001	98	939136	4.00	
* 3 Acenaphthene-d10	164	9.206	9.207	-0.001	91	567983	4.00	
* 4 Phenanthrene-d10	188	10.468	10.470	-0.002	94	996315	4.00	
* 5 Chrysene-d12	240	13.249	13.250	-0.001	97	964815	4.00	
* 6 Perylene-d12	264	15.522	15.523	-0.001	98	1113795	4.00	
\$ 9 Nitrobenzene-d5	82	7.092	7.093	-0.001	87	608692	7.87	
\$ 10 2-Fluorobiphenyl	172	8.604	8.605	-0.001	99	1711419	8.89	
\$ 12 p-Terphenyl-d14	244	11.887	11.886	0.001	96	1698076	6.74	
74 Naphthalene	128	7.733	7.737	-0.004	90	94263	0.3950	
108 Acenaphthylene	152		9.091				ND	U
110 Acenaphthene	153	9.234	9.235	-0.001	94	1959992	11.8	
124 Fluorene	166	9.668	9.669	-0.001	92	284710	1.59	
151 Phenanthrene	178	10.488	10.489	-0.001	96	65678	0.2534	
152 Anthracene	178	10.531	10.532	-0.001	91	14085	0.0549	
164 Fluoranthene	202	11.547	11.548	-0.001	96	26875	0.0933	
167 Pyrene	202	11.788	11.786	0.002	97	50895	0.1746	
180 Benzo[a]anthracene	228		13.233				ND	U
182 Chrysene	228		13.287				ND	
186 Benzo[b]fluoranthene	252		14.888				ND	
187 Benzo[k]fluoranthene	252		14.930				ND	
189 Benzo[a]pyrene	252		15.430				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.430				ND	
194 Dibenzo(a,h)anthracene	278		17.444				ND	
195 Benzo[g,h,i]perylene	276		18.001				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826680.D

Injection Date: 13-Nov-2021 07:20:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-191867-C-3-A

Lab Sample ID: 480-191867-3

Worklist Smp#: 17

Client ID: FD11022021

Injection Vol: 2.0 ul

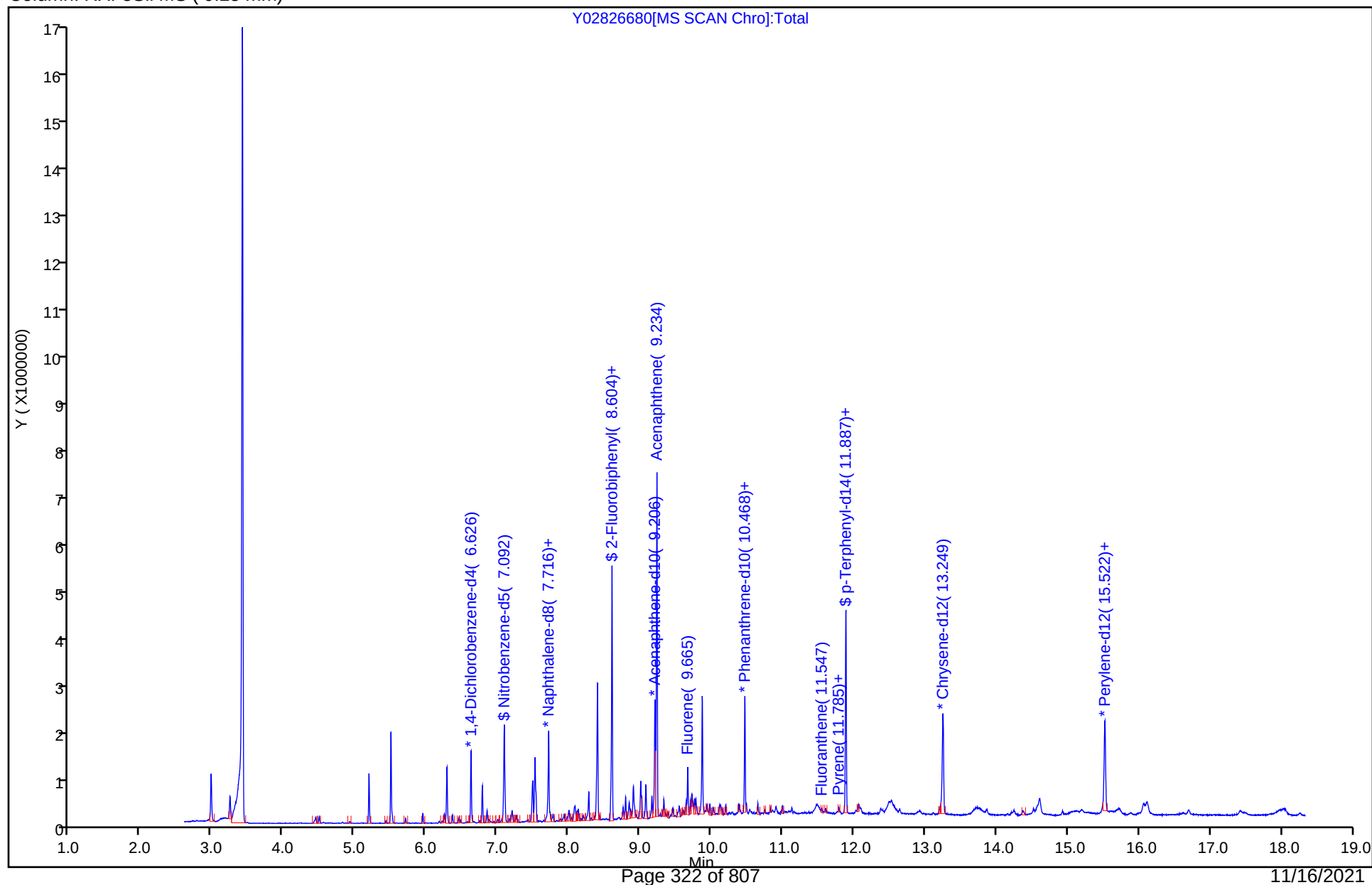
Dil. Factor: 1.0000

ALS Bottle#: 47

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\20211112-102376.b\Y02826680.D

Injection Date: 13-Nov-2021 07:20:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-3-A

Lab Sample ID: 480-191867-3

Client ID: FD11022021

Operator ID: JM

ALS Bottle#: 47

Worklist Smp#: 17

Injection Vol: 2.0 ul

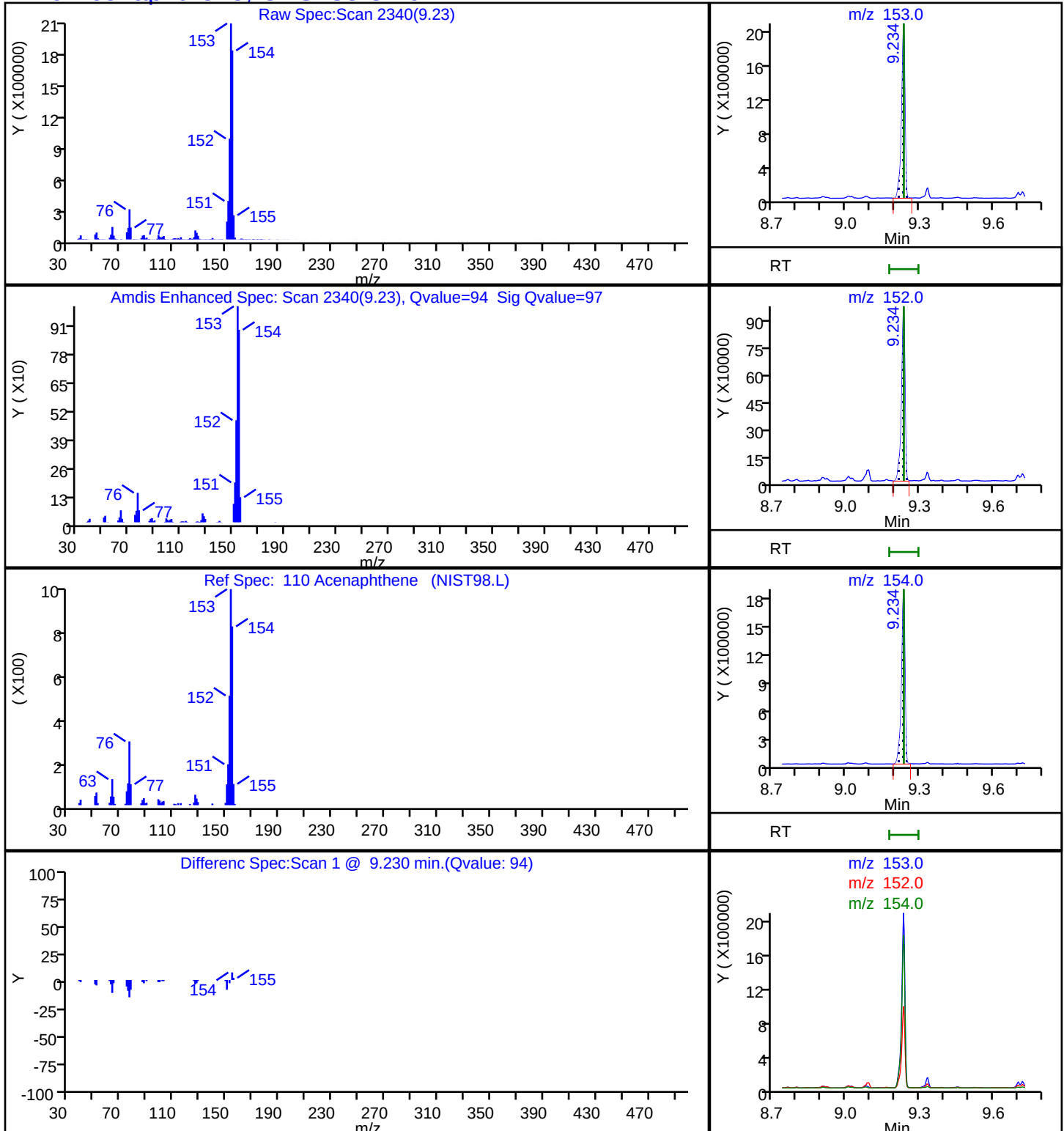
Dil. Factor: 1.0000

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\20211112-102376.b\Y02826680.D

Injection Date: 13-Nov-2021 07:20:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-3-A

Lab Sample ID: 480-191867-3

Client ID: FD11022021

Operator ID: JM

ALS Bottle#: 47

Worklist Smp#: 17

Injection Vol: 2.0 ul

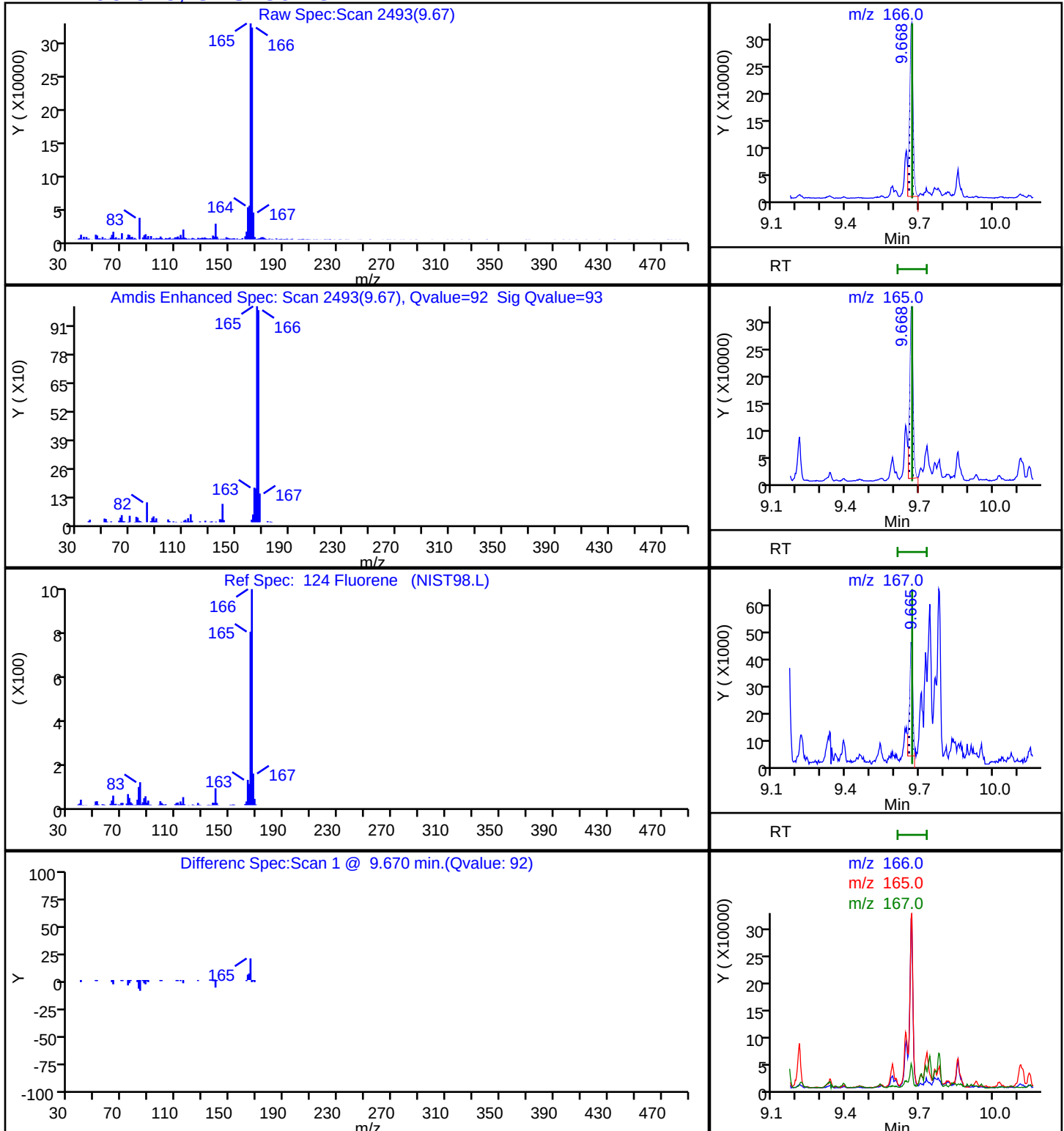
Dil. Factor: 1.0000

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\20211112-102376.b\Y02826680.D

Injection Date: 13-Nov-2021 07:20:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-3-A

Lab Sample ID: 480-191867-3

Client ID: FD11022021

Operator ID: JM

ALS Bottle#: 47

Worklist Smp#: 17

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

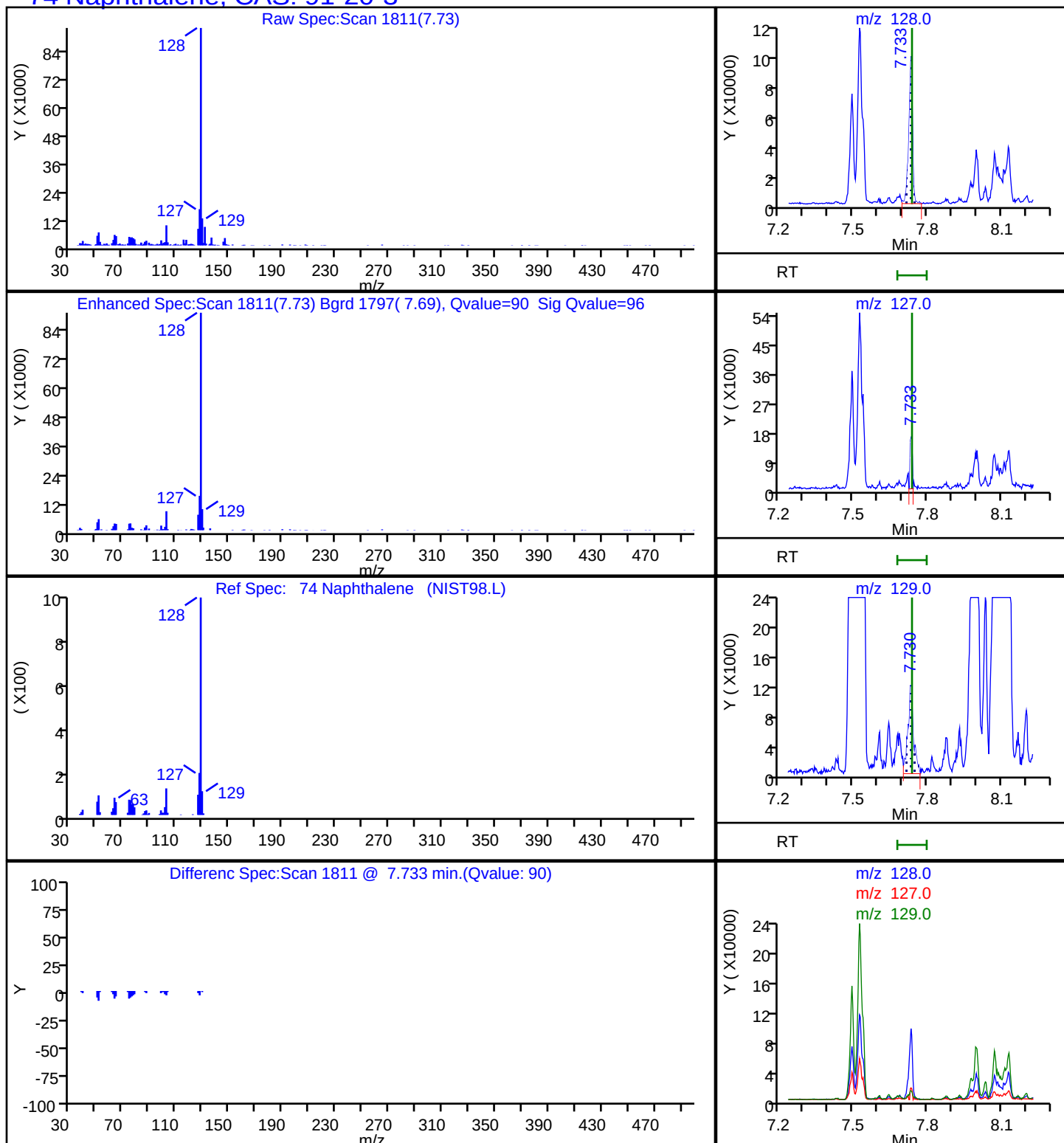
Method: Y-LVI-8270

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\20211112-102376.b\Y02826680.D

Injection Date: 13-Nov-2021 07:20:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-3-A

Lab Sample ID: 480-191867-3

Client ID: FD11022021

Operator ID: JM

ALS Bottle#: 47

Worklist Smp#: 17

Injection Vol: 2.0 ul

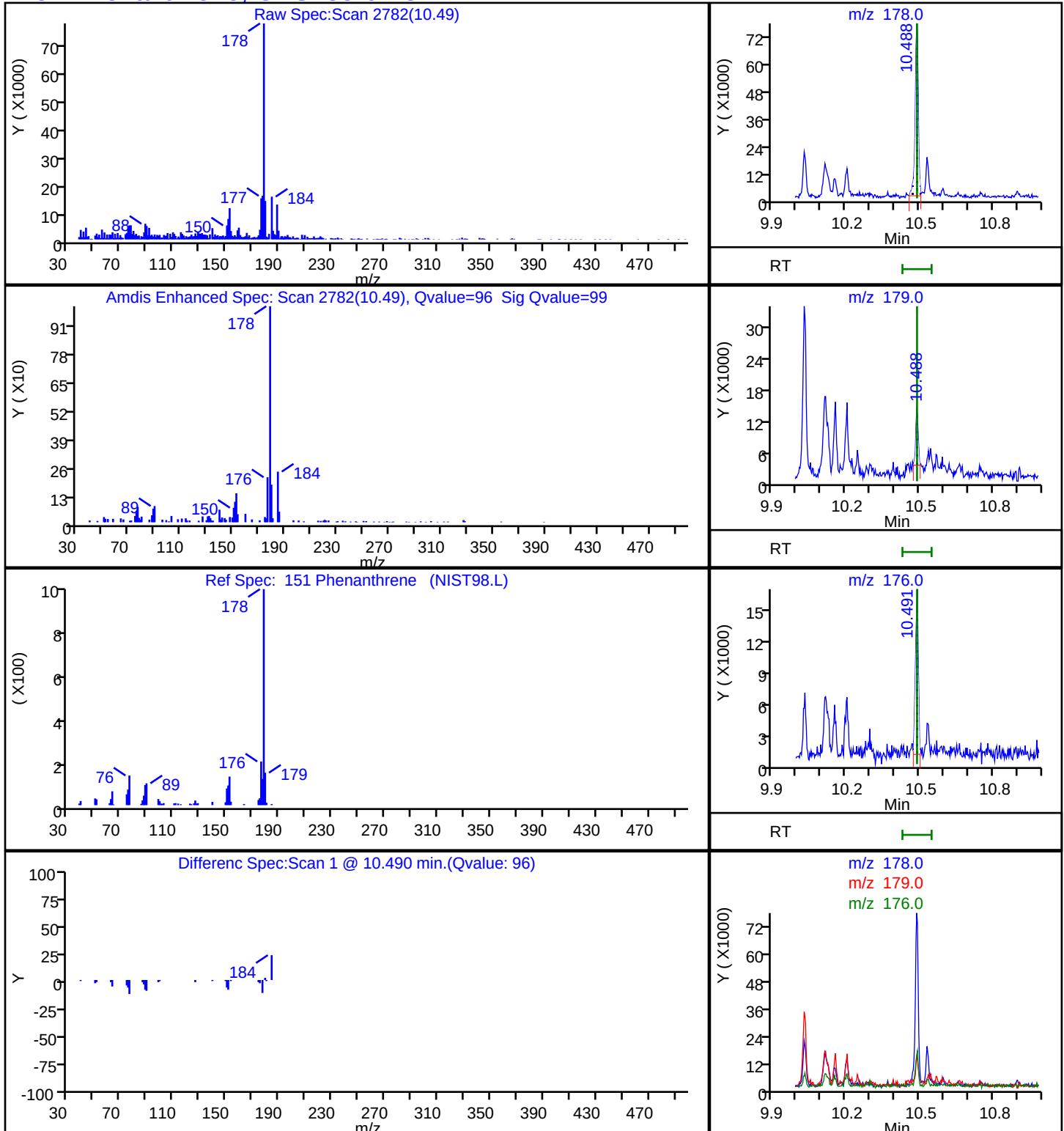
Dil. Factor: 1.0000

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\20211112-102376.b\Y02826680.D

Injection Date: 13-Nov-2021 07:20:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-3-A

Lab Sample ID: 480-191867-3

Client ID: FD11022021

Operator ID: JM

ALS Bottle#: 47

Worklist Smp#: 17

Injection Vol: 2.0 ul

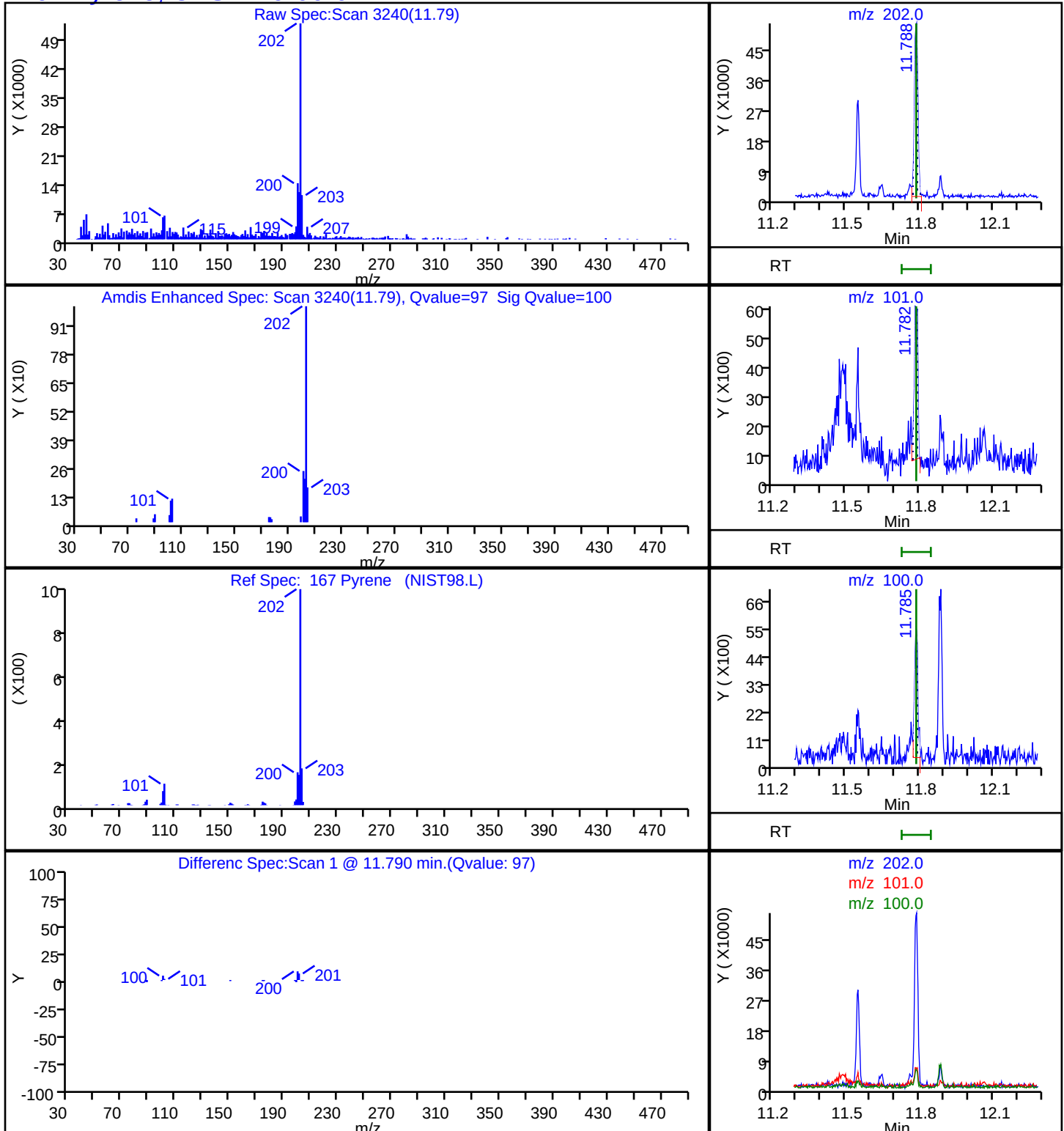
Dil. Factor: 1.0000

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826680.D

Injection Date: 13-Nov-2021 07:20:30

Instrument ID: HP5973Y

Lims ID: 480-191867-C-3-A

Lab Sample ID: 480-191867-3

Client ID: FD11022021

Operator ID: JM

ALS Bottle#:

47

Worklist Smp#: 17

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

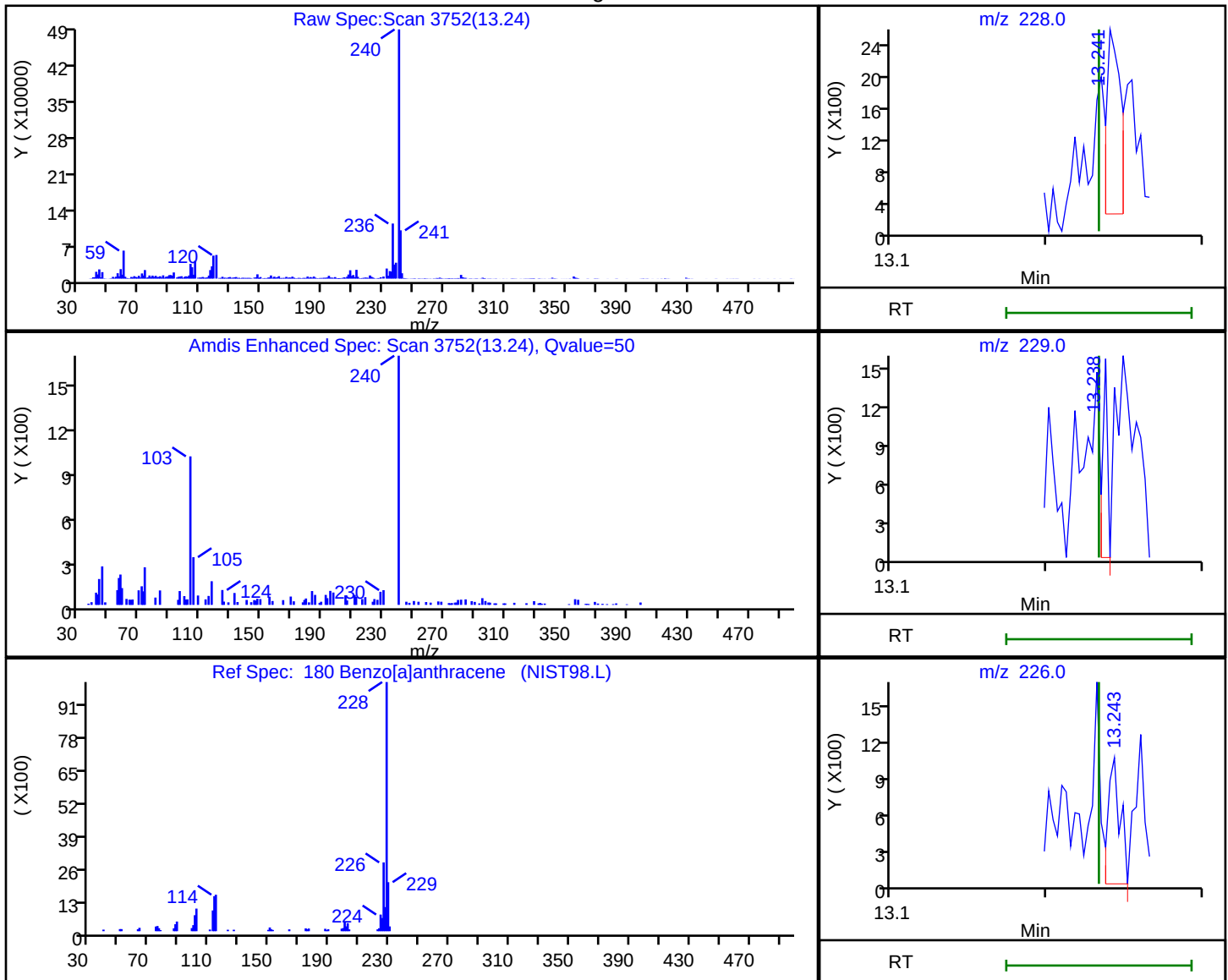
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

180 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
13.24	228.00	1437	0.004924
13.24	229.00	346	
13.24	226.00	537	

Reviewer: marshallj, 15-Nov-2021 14:36:23

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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: MW01-17S Lab Sample ID: 480-191867-4
 Matrix: Water Lab File ID: Y02826681.D
 Analysis Method: 8270D Date Collected: 11/03/2021 13:00
 Extract. Method: 3510C Date Extracted: 11/05/2021 07:11
 Sample wt/vol: 240 (mL) Date Analyzed: 11/13/2021 07:47
 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.: 604662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.2	0.43
208-96-8	Acenaphthylene	ND		5.2	0.40
120-12-7	Anthracene	ND		5.2	0.29
56-55-3	Benzo[a]anthracene	ND		5.2	0.38
50-32-8	Benzo[a]pyrene	ND		5.2	0.49
205-99-2	Benzo[b]fluoranthene	ND		5.2	0.35
191-24-2	Benzo[g,h,i]perylene	ND		5.2	0.36
207-08-9	Benzo[k]fluoranthene	ND		5.2	0.76
218-01-9	Chrysene	ND		5.2	0.34
53-70-3	Dibenz(a,h)anthracene	ND		5.2	0.44
206-44-0	Fluoranthene	ND		5.2	0.42
86-73-7	Fluorene	ND		5.2	0.38
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.2	0.49
91-20-3	Naphthalene	ND		5.2	0.79
85-01-8	Phenanthrene	ND		5.2	0.46
129-00-0	Pyrene	ND		5.2	0.35

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	114		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	101		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	79		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826681.D
 Lims ID: 480-191867-B-4-A
 Client ID: MW01-17S
 Sample Type: Client
 Inject. Date: 13-Nov-2021 07:47:30 ALS Bottle#: 48 Worklist Smp#: 18
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102376-018
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 14:53:13 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: 15-Nov-2021 14:37:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.627	-0.001	92	256485	4.00	
* 2 Naphthalene-d8	136	7.713	7.717	-0.004	98	919863	4.00	
* 3 Acenaphthene-d10	164	9.203	9.207	-0.004	92	553416	4.00	
* 4 Phenanthrene-d10	188	10.468	10.470	-0.002	94	983540	4.00	
* 5 Chrysene-d12	240	13.249	13.250	-0.001	97	1002434	4.00	
* 6 Perylene-d12	264	15.516	15.523	-0.007	99	1098534	4.00	
\$ 9 Nitrobenzene-d5	82	7.092	7.093	-0.001	86	613718	8.10	
\$ 10 2-Fluorobiphenyl	172	8.604	8.605	-0.001	99	1714431	9.14	
\$ 12 p-Terphenyl-d14	244	11.884	11.886	-0.002	96	1657402	6.33	
74 Naphthalene	128		7.737				ND	
108 Acenaphthylene	152		9.091				ND	
110 Acenaphthene	153		9.235				ND	
124 Fluorene	166		9.669				ND	
151 Phenanthrene	178		10.489				ND	U
152 Anthracene	178		10.532				ND	
164 Fluoranthene	202		11.548				ND	
167 Pyrene	202		11.786				ND	
180 Benzo[a]anthracene	228		13.233				ND	
182 Chrysene	228		13.287				ND	
186 Benzo[b]fluoranthene	252		14.888				ND	
187 Benzo[k]fluoranthene	252		14.930				ND	
189 Benzo[a]pyrene	252		15.430				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.430				ND	
194 Dibenz(a,h)anthracene	278		17.444				ND	
195 Benzo[g,h,i]perylene	276		18.001				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826681.D

Injection Date: 13-Nov-2021 07:47:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-191867-B-4-A

Lab Sample ID: 480-191867-4

Worklist Smp#: 18

Client ID: MW01-17S

Injection Vol: 2.0 ul

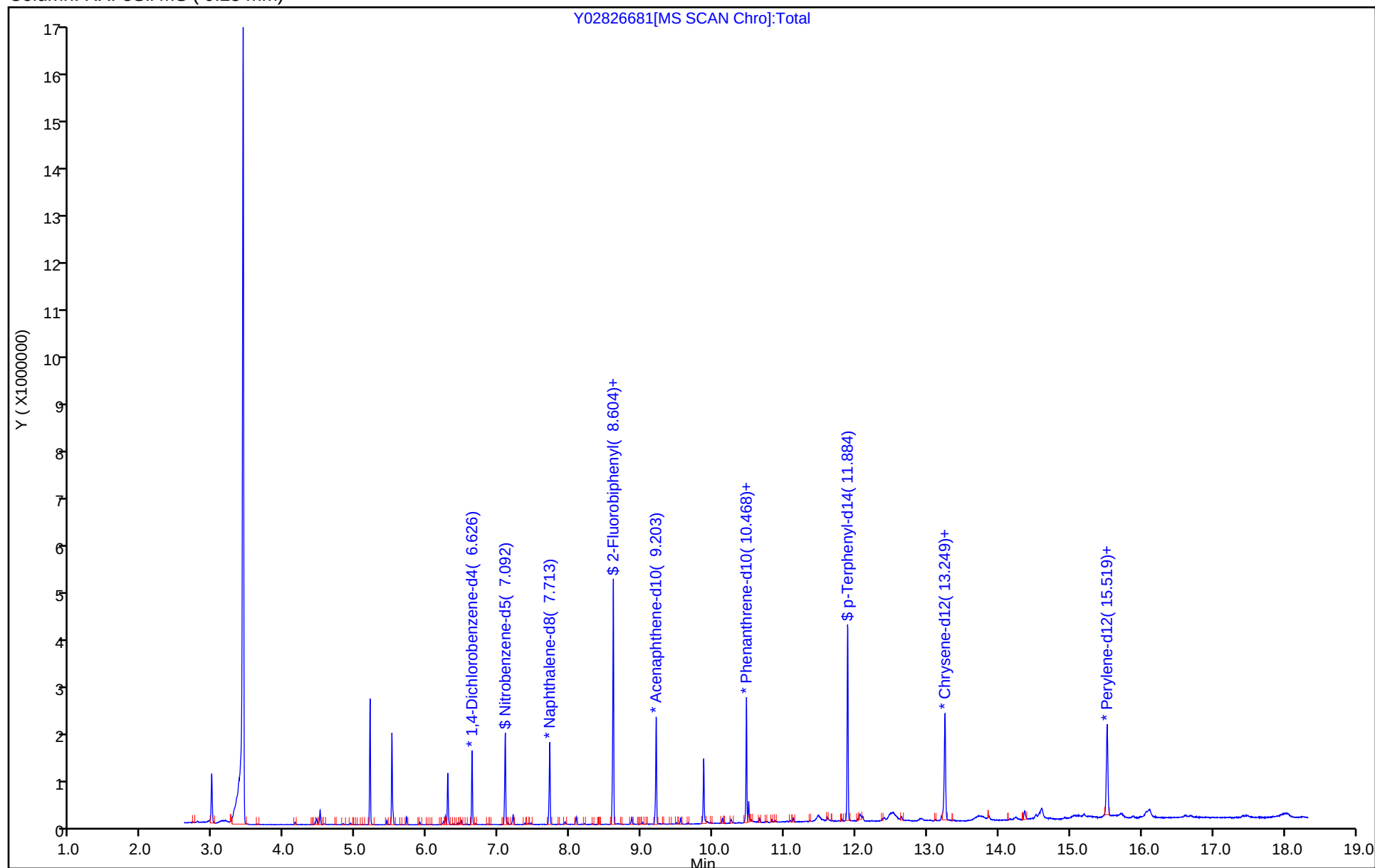
Dil. Factor: 1.0000

ALS Bottle#: 48

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\20211112-102376.b\Y02826681.D

Injection Date: 13-Nov-2021 07:47:30

Instrument ID: HP5973Y

Lims ID: 480-191867-B-4-A

Lab Sample ID: 480-191867-4

Client ID: MW01-17S

Operator ID: JM

ALS Bottle#:

48

Worklist Smp#: 18

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

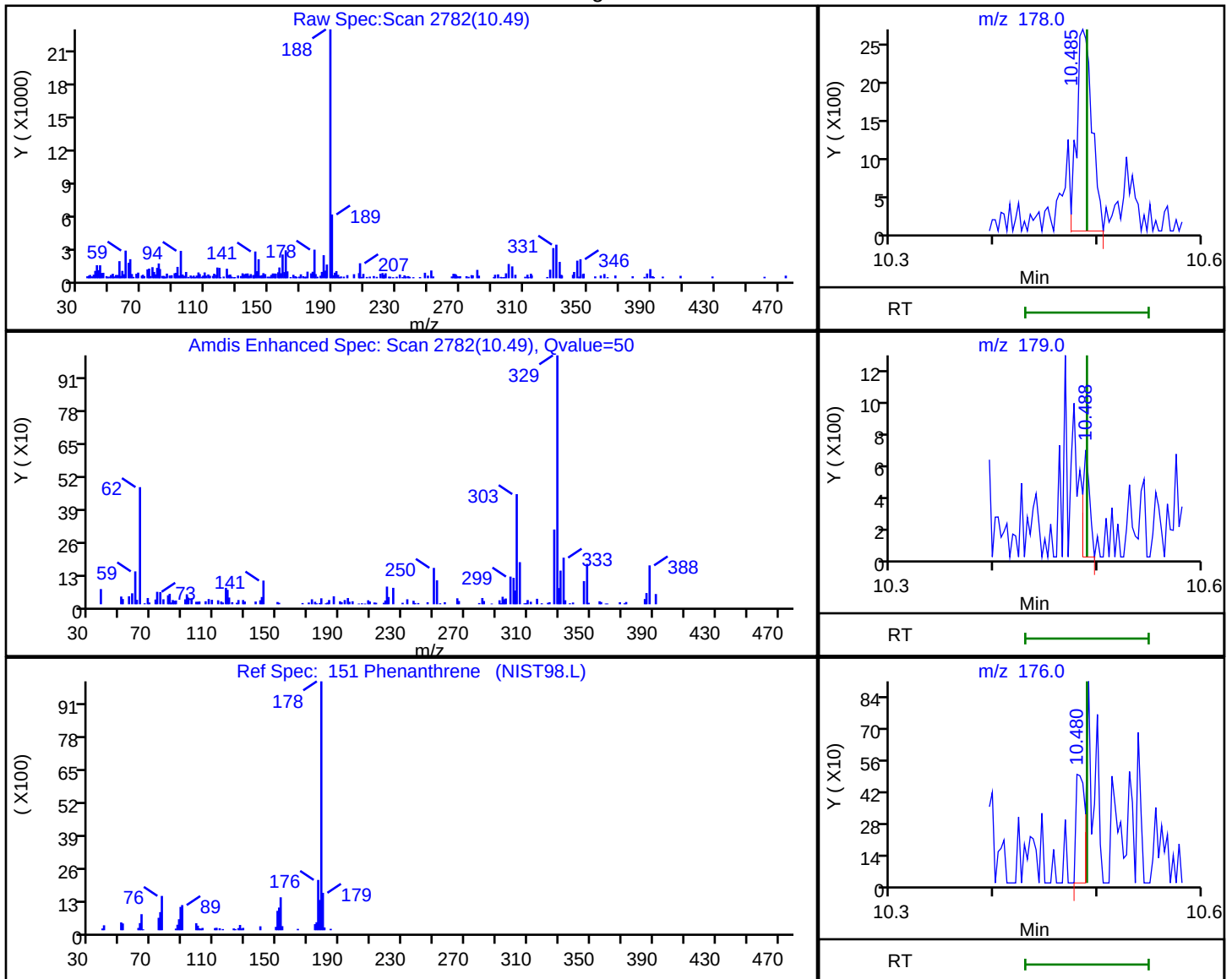
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

151 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
10.49	178.00	2663	0.010406
10.49	179.00	288	
10.48	176.00	295	

Reviewer: marshallj, 15-Nov-2021 14:37:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-603192/3	Y02826379.D
Level 2	IC 480-603192/4	Y02826380.D
Level 3	IC 480-603192/5	Y02826381.D
Level 4	IC 480-603192/6	Y02826382.D
Level 5	ICIS 480-603192/7	Y02826383.D
Level 6	IC 480-603192/8	Y02826384.D
Level 7	IC 480-603192/9	Y02826385.D
Level 8	IC 480-603192/10	Y02826386.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	0.4944	0.5102 0.4816	0.5281 0.4832	0.5171	0.5023	Ave		0.502 4			0.0100	3.4		20.0			
N-Nitrosodimethylamine	0.6885	0.6917 0.6806	0.7195 0.6642	0.6930	0.6769	Ave		0.687 8			0.0100	2.5		20.0			
Pyridine	0.8784	0.9023 0.8553	0.8710 0.8528	0.9085	0.8960	Ave		0.880 6			0.0100	2.5		20.0			
Benzaldehyde	0.9793	1.0803 0.9242	1.0419 0.8832	1.0984	0.9948	Lin2	0.153 8	0.956 1			0.0100	6.6		0.9950			0.9900
Phenol	1.6055	1.6221 1.5597	1.6315 1.6071	1.6807	1.6152	Ave		1.617 4			0.8000	2.2		20.0			
Aniline	1.9787	2.0294 1.9623	1.9771 2.0513	2.0269	1.9838	Ave		2.001 4			0.0100	1.7		20.0			
Bis(2-chloroethyl)ether	1.1989	1.2711 1.0986	1.2791 1.0551	1.2832	1.2507	Ave		1.205 3			0.7000	7.7		20.0			
2-Chlorophenol	1.3540	1.3262 1.2844	1.3150 1.2789	1.3752	1.3718	Ave		1.329 4			0.8000	3.0		20.0			
n-Decane	1.4505	1.5388 1.4286	1.5638 1.4208	1.5263	1.5042	Ave		1.490 4			0.0100	3.8		20.0			
1,3-Dichlorobenzene	1.4983	1.5408 1.4555	1.5401 1.4602	1.5253	1.5439	Ave		1.509 1			0.0100	2.5		20.0			
1,4-Dichlorobenzene	1.5168	1.6005 1.5169	1.5614 1.4905	1.5762	1.5387	Ave		1.543 0			0.0100	2.5		20.0			
Benzyl alcohol	0.8915	0.8625 0.8535	0.8542 0.8653	0.8736	0.8832	Ave		0.869 1			0.0100	1.7		20.0			
1,2-Dichlorobenzene	1.4412	1.4719 1.4183	1.5025 1.4043	1.4967	1.4722	Ave		1.458 2			0.0100	2.6		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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	1.2268	1.2014 1.2093	1.2115 1.1811	1.2440	1.2225	Ave		1.213 8			0.7000	1.6		20.0			
bis (2-chloroisopropyl) ether	1.9299	2.0083 1.8385	2.0154 1.7547	2.0162	1.9627	Ave		1.932 2			0.0100	5.2		20.0			
Indene	2.2156	2.5342 1.9804	2.5006 ++++	2.4243	2.2978	Ave		2.325 5			0.0100	8.9		20.0			
4-Methylphenol	1.2499	1.2505 1.0581	1.2526 1.0478	1.2894	1.2942	Ave		1.206 1			0.6000	8.8		20.0			
N-Nitrosodi-n-propylamine	0.8954	0.8989 0.7835	0.9116 0.7664	0.9238	0.8961	Ave		0.868 0			0.5000	7.4		20.0			
Acetophenone	1.7231	1.7673 1.4589	1.7018 1.4542	1.7718	1.7121	Lin2	0.106 1	1.594 7			0.0100	8.0			0.9920		0.9900
Hexachloroethane	0.5918	0.6255 0.5831	0.6114 0.5944	0.6136	0.6009	Ave		0.602 9			0.3000	2.4		20.0			
Nitrobenzene	0.3497	0.3427 0.3050	0.3553 0.3141	0.3554	0.3520	Ave		0.339 2			0.2000	6.1		20.0			
Isophorone	0.6222	0.6443 0.5484	0.6343 0.5601	0.6352	0.6232	Lin2	0.034 1	0.590 1			0.4000	5.6			0.9960		0.9900
2,4-Dimethylphenol	0.3329	0.2881 0.3412	0.3486 0.3298	0.3346	0.3295	Lin2	-0.01 9	0.340 4			0.2000	4.4			0.9980		0.9900
2-Nitrophenol	0.1817	0.1574 0.1866	0.1684 0.1826	0.1694	0.1698	Lin2	-0.01 3	0.181 0			0.1000	3.0			0.9990		0.9900
Bis(2-chloroethoxy)methane	0.3725	0.3821 0.3221	0.4033 0.3378	0.3917	0.3797	Lin2	0.021 6	0.357 5			0.3000	7.6			0.9930		0.9900
Benzoic acid	0.2082	++++ 0.2372	0.1438 0.2396	0.1644	0.1890	Lin2	-0.48 7	0.229 9			0.0100	7.7			0.9920		0.9900
2,4-Dichlorophenol	0.2777	0.2625 0.2516	0.2824 0.2808	0.2747	0.2846	Ave		0.273 5			0.2000	4.4		20.0			
1,2,4-Trichlorobenzene	0.2879	0.3031 0.3002	0.3075 0.2969	0.3076	0.2991	Ave		0.300 3			0.0100	2.3		20.0			
Naphthalene	1.1505 1.0238	1.1302 0.9865	1.0939 0.9581	1.0684	1.0323	Lin2	0.018 2	1.028 1			0.7000	4.9			0.9980		0.9900
4-Chloroaniline	0.3660	0.3518 0.3687	0.3672 0.3483	0.3660	0.3596	Ave		0.361 1			0.0100	2.3		20.0			
2,6-Dichlorophenol	0.2777	0.2716 0.2474	0.2496 0.2529	0.2758	0.2773	Ave		0.264 6			0.0100	5.3		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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	0.1788	0.1744 0.1849	0.1790 0.1769	0.1761	0.1759	Ave		0.178 0			0.0100	1.9		20.0			
Caprolactam	0.0949	0.0808 0.0965	0.0892 0.0932	0.0940	0.0957	Lin2	-0.01 5	0.096 3			0.0100	1.6			1.0000		0.9900
4-Chloro-3-methylphenol	0.2657	0.2499 0.2782	0.2703 0.2475	0.2686	0.2659	Ave		0.263 7			0.2000	4.2		20.0			
2-Methylnaphthalene	0.7202 0.6811	0.7126 0.6050	0.7098 0.6226	0.7102	0.6691	Ave		0.678 8			0.4000	6.5		20.0			
1-Methylnaphthalene	0.6877 0.6224	0.6577 0.6402	0.6580 0.5625	0.6594	0.6358	Ave		0.640 5			0.0100	5.8		20.0			
Hexachlorocyclopentadiene	0.3982	0.3048 0.4174	0.3599 0.3680	0.3880	0.3769	Lin2	-0.04 5	0.399 0			0.0500	4.5			0.9970		0.9900
1,2,4,5-Tetrachlorobenzene	0.5798	0.5868 0.5526	0.5650 0.5923	0.5501	0.5666	Ave		0.570 5			0.0100	2.9		20.0			
2,4,6-Trichlorophenol	0.3917	0.3173 0.3842	0.3469 0.4123	0.3970	0.3899	Lin2	-0.04 4	0.402 0			0.2000	3.2			0.9990		0.9900
2,4,5-Trichlorophenol	0.3447	0.3159 0.3897	0.3089 0.3590	0.3827	0.3403	Lin2	-0.02 9	0.365 3			0.2000	6.9			0.9940		0.9900
Biphenyl	1.4009	1.5188 1.5630	1.4824 1.4471	1.6548	1.4667	Ave		1.504 8			0.0100	5.6		20.0			
2-Chloronaphthalene	1.1308	1.1914 1.1772	1.0774 1.0193	1.1187	1.1516	Ave		1.123 8			0.8000	5.3		20.0			
2-Nitroaniline	0.3399	0.2981 0.3668	0.2689 0.3288	0.3456	0.3270	Lin2	-0.03 1	0.342 8			0.0100	7.6			0.9930		0.9900
Dimethyl phthalate	1.1499	1.2213 1.1836	1.0864 1.1259	1.3021	1.1275	Ave		1.170 9			0.0100	6.2		20.0			
1,3-Dinitrobenzene	0.0996	0.0777 0.1030	0.0758 0.1043	0.0921	0.0994	Lin2	-0.01 5	0.101 6			0.0100	5.9			0.9960		0.9900
2,6-Dinitrotoluene	0.3001	0.2524 0.3062	0.2706 0.2893	0.2904	0.2656	Lin2	-0.02 2	0.294 6			0.2000	4.5			0.9970		0.9900
Acenaphthylene	1.7934 1.8450	1.8373 1.9156	1.7832 1.8035	1.9716	1.7970	Ave		1.843 3			0.9000	3.6		20.0			
3-Nitroaniline	0.3005	0.2724 0.3118	0.2902 0.3261	0.3236	0.2888	Lin2	-0.02 0	0.313 5			0.0100	4.7			0.9970		0.9900
2,4-Dinitrophenol	0.1454	++++ 0.1652	0.0725 0.1680	0.1071	0.1243	Lin2	-0.19 4	0.163 2			0.0100	7.3			0.9930		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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	1.3003 1.1253	1.2323 1.1839	1.1846 1.1925	1.3202	1.2051	Ave		1.218 0			0.9000	5.3		20.0			
4-Nitrophenol	0.1533	0.1077 0.1589	0.1144 0.1610	0.1471	0.1429	Lin2	-0.05 6	0.156 8			0.0100	5.5			0.9960		0.9900
2,4-Dinitrotoluene	0.3813	0.2967 0.3940	0.2954 0.3842	0.3849	0.3621	Lin2	-0.05 2	0.387 1			0.2000	5.9			0.9960		0.9900
Dibenzofuran	1.5726	1.6045 1.5397	1.5633 1.5528	1.7451	1.5551	Ave		1.590 4			0.8000	4.5		20.0			
2,3,4,6-Tetrachlorophenol	0.3006	0.2090 0.3338	0.2362 0.3133	0.2776	0.2760	Lin2	-0.05 6	0.310 5			0.0100	6.0			0.9960		0.9900
Hexadecane	0.8549	0.8682 0.8829	0.8089 0.7565	0.9057	0.8445	Ave		0.845 9			0.0100	5.9		20.0			
Diethyl phthalate	1.2342	1.3811 1.2178	1.3015 1.1991	1.2916	1.2472	Ave		1.267 5			0.0100	4.9		20.0			
4-Chlorophenyl phenyl ether	0.6066	0.6165 0.6716	0.6006 0.6260	0.6625	0.6020	Ave		0.626 5			0.4000	4.7		20.0			
4-Nitroaniline	0.3169	0.2894 0.3272	0.2859 0.3292	0.3196	0.2849	Lin2	-0.01 8	0.317 7			0.0100	5.4			0.9960		0.9900
Fluorene	1.2530 1.2882	1.3049 1.2701	1.1724 1.2470	1.4070	1.2737	Ave		1.277 1			0.9000	5.2		20.0			
4,6-Dinitro-2-methylphenol	0.1132	0.0579 0.1174	0.0666 0.1168	0.0913	0.0992	Lin2	-0.06 4	0.112 9			0.0100	8.4			0.9910		0.9900
Diphenylamine	0.6128	0.6485 0.6353	0.6286 0.6070	0.6547	0.6307	Ave		0.631 1			0.0100	2.7		20.0			
N-Nitrosodiphenylamine	0.5240	0.5545 0.5432	0.5375 0.5190	0.5598	0.5392	Ave		0.539 6			0.0100	2.7		20.0			
1,2-Diphenylhydrazine	0.7656	0.7857 0.7467	0.7690 0.7431	0.8127	0.7554	Ave		0.768 3			0.0100	3.2		20.0			
trans-Azobenzene	0.7656	0.7857 0.7467	0.7690 0.7431	0.8127	0.7554	Ave		0.768 3			0.0100	3.2		20.0			
4-Bromophenyl phenyl ether	0.2140	0.2163 0.2140	0.2076 0.2184	0.2202	0.2147	Ave		0.215 0			0.1000	1.9		20.0			
Hexachlorobenzene	0.2494	0.2319 0.2458	0.2343 0.2579	0.2560	0.2356	Ave		0.244 4			0.1000	4.4		20.0			
Atrazine	0.3298	0.3210 0.3418	0.3326 0.3368	0.3640	0.3307	Ave		0.336 7			0.0100	4.1		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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	0.4864	0.5192 0.4855	0.4941 0.4818	0.5272	0.5006	Ave		0.499 2			0.0100	3.5		20.0			
Pentachlorophenol	0.1211	0.0778 0.1355	0.0958 0.1370	0.1188	0.1113	Lin2	-0.05 6	0.129 9			0.0500	6.6			0.9950		0.9900
Phenanthrene	1.1182 1.0344	1.1230 1.0244	1.0543 1.0075	1.0995	1.0616	Ave		1.065 3			0.7000	4.1		20.0			
Anthracene	1.0586 1.0291	1.1331 1.0099	1.0542 1.0091	1.0966	1.0706	Ave		1.057 7			0.7000	4.0		20.0			
Carbazole	0.9367	0.9604 0.9319	0.9797 0.9040	0.9583	0.9262	Ave		0.942 5			0.0100	2.7		20.0			
Di-n-butyl phthalate	1.2612	1.2570 1.1993	1.2409 1.1493	1.3297	1.2299	Ave		1.238 2			0.0100	4.5		20.0			
Fluoranthene	1.0472 1.0911	1.0929 1.0726	1.1107 1.0552	1.1595	1.1273	Ave		1.094 6			0.6000	3.4		20.0			
Benzidine	0.6944	0.6852 0.6656	0.6837 0.6503	0.6940	0.6992	Ave		0.681 8			0.0100	2.6		20.0			
Pyrene	1.3089 1.3293	1.4363 1.2784	1.3853 1.2485	1.3994	1.3421	Ave		1.341 0			0.6000	4.7		20.0			
Butyl benzyl phthalate	0.6567	0.6014 0.6465	0.6122 0.6138	0.6128	0.6437	Ave		0.626 7			0.0100	3.4		20.0			
Bis(2-ethylhexyl) phthalate	0.9354	0.8803 0.9242	0.8622 0.9119	0.9037	0.9162	Ave		0.904 8			0.0100	2.8		20.0			
3,3'-Dichlorobenzidine	0.4923	0.4996 0.4850	0.4729 0.4957	0.5059	0.5014	Ave		0.493 3			0.0100	2.3		20.0			
Benzo[a]anthracene	1.3007 1.2171	1.3217 1.2336	1.2803 1.2076	1.2555	1.2683	Ave		1.260 6			0.8000	3.2		20.0			
Chrysene	1.2513 1.1659	1.2587 1.1777	1.2218 1.1409	1.2119	1.2066	Ave		1.204 4			0.7000	3.4		20.0			
Di-n-octyl phthalate	1.5730	1.4140 1.5581	1.4448 1.5421	1.5492	1.5576	Ave		1.519 8			0.0100	4.2		20.0			
Benzo[b]fluoranthene	1.1882 1.2010	1.1510 1.1967	1.1665 1.1873	1.1913	1.1624	Ave		1.180 6			0.7000	1.5		20.0			
Benzo[k]fluoranthene	1.1984 1.1954	1.2297 1.2150	1.2325 1.1921	1.2020	1.2061	Ave		1.208 9			0.7000	1.3		20.0			
Benzo[a]pyrene	1.0617 1.1751	1.0905 1.1812	1.1435 1.1517	1.1315	1.1429	Ave		1.134 7			0.7000	3.6		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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	1.2365 1.3999	1.2212 1.4262	1.2873 1.3617	1.3533	1.3662	Lin2	-0.01 9	1.360 5			0.5000	4.3			0.9980		0.9900
Dibenz(a,h)anthracene	1.1077 1.2206	1.1071 1.2386	1.1287 1.1889	1.1921	1.2106	Ave		1.174 3			0.4000	4.5		20.0			
Benzo[g,h,i]perylene	1.0715 1.1327	0.9727 1.1519	1.0776 1.1143	1.0787	1.0956	Ave		1.086 9			0.5000	5.0		20.0			
2-Fluorophenol (Surr)	1.2415	1.2585 1.2348	1.2174 1.2439	1.2538	1.2587	Ave		1.244 1			0.0100	1.2		20.0			
Phenol-d5 (Surr)	1.5247	1.5625 1.4968	1.5200 1.4934	1.5523	1.5564	Ave		1.529 4			0.0100	1.9		20.0			
Nitrobenzene-d5 (Surr)	0.3841	0.3778 0.3965	0.4031 0.3939	0.3920	0.3863	Ave		0.390 5			0.0100	2.2		20.0			
2-Fluorobiphenyl (Surr)	1.3361	1.3790 1.3976	1.3304 1.3084	1.4145	1.3131	Ave		1.354 2			0.0100	3.1		20.0			
2,4,6-Tribromophenol (Surr)	0.1096	0.0885 0.1060	0.0899 0.1140	0.0980	0.0956	Lin2	-0.01 1	0.106 6			0.0100	6.1			0.9950		0.9900
p-Terphenyl-d14 (Surr)	1.0129	1.0764 1.0500	1.0220 0.9816	1.0546	1.0304	Ave		1.032 6			0.0100	3.0		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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-603192/3	Y02826379.D
Level 2	IC 480-603192/4	Y02826380.D
Level 3	IC 480-603192/5	Y02826381.D
Level 4	IC 480-603192/6	Y02826382.D
Level 5	ICIS 480-603192/7	Y02826383.D
Level 6	IC 480-603192/8	Y02826384.D
Level 7	IC 480-603192/9	Y02826385.D
Level 8	IC 480-603192/10	Y02826386.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		20418	41705	83804	163188		0.500	1.00	2.00	4.00
			317029	477910	655056			8.00	12.0	16.0		
N-Nitrosodimethylamine	DCBd 4	Ave		27680	56818	112314	219927		0.500	1.00	2.00	4.00
			441469	675404	900509			8.00	12.0	16.0		
Pyridine	DCBd 4	Ave		72222	137566	294478	582240		1.00	2.00	4.00	8.00
			1126577	1697520	2312321			16.0	24.0	32.0		
Benzaldehyde	DCBd 4	Lin2		86467	164551	356048	646442		1.00	2.00	4.00	8.00
			1255888	1834242	2394835			16.0	24.0	32.0		
Phenol	DCBd 4	Ave		64918	128838	272410	524797		0.500	1.00	2.00	4.00
			1029481	1547677	2178721			8.00	12.0	16.0		
Aniline	DCBd 4	Ave		81218	156128	328514	644544		0.500	1.00	2.00	4.00
			1268813	1947170	2781023			8.00	12.0	16.0		
Bis(2-chloroethyl) ether	DCBd 4	Ave		50870	101013	207977	406356		0.500	1.00	2.00	4.00
			768801	1090124	1430415			8.00	12.0	16.0		
2-Chlorophenol	DCBd 4	Ave		53075	103845	222881	445719		0.500	1.00	2.00	4.00
			868226	1274554	1733872			8.00	12.0	16.0		
n-Decane	DCBd 4	Ave		61584	123495	247376	488735		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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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
			930092	1417605	1926147			8.00	12.0	16.0		
1,3-Dichlorobenzene	DCBd 4	Ave		61661	121619	247208	501615		0.500	1.00	2.00	4.00
			960746	1444250	1979675			8.00	12.0	16.0		
1,4-Dichlorobenzene	DCBd 4	Ave		64052	123306	255462	499923		0.500	1.00	2.00	4.00
			972649	1505250	2020750			8.00	12.0	16.0		
Benzyl alcohol	DCBd 4	Ave		34517	67456	141594	286967		0.500	1.00	2.00	4.00
			571653	846927	1173139			8.00	12.0	16.0		
1,2-Dichlorobenzene	DCBd 4	Ave		58906	118650	242586	478324		0.500	1.00	2.00	4.00
			924131	1407368	1903867			8.00	12.0	16.0		
2-Methylphenol	DCBd 4	Ave		48079	95669	201616	397206		0.500	1.00	2.00	4.00
			786700	1200012	1601290			8.00	12.0	16.0		
bis (2-chloroisopropyl) ether	DCBd 4	Ave		80373	159152	326777	637709		0.500	1.00	2.00	4.00
			1237512	1824298	2378900			8.00	12.0	16.0		
Indene	DCBd 4	Ave		507085	987353	1964655	3732821		2.50	5.00	10.0	20.0
			7103781	9825551	+++++			40.0	60.0	+++++		
4-Methylphenol	DCBd 4	Ave		50044	98920	208981	420487		0.500	1.00	2.00	4.00
			801512	1049973	1420501			8.00	12.0	16.0		
N-Nitrosodi-n-propylamine	DCBd 4	Ave		35973	71985	149722	291145		0.500	1.00	2.00	4.00
			574183	777509	1039053			8.00	12.0	16.0		
Acetophenone	DCBd 4	Lin2		70727	134391	287165	556282		0.500	1.00	2.00	4.00
			1104890	1447640	1971465			8.00	12.0	16.0		
Hexachloroethane	DCBd 4	Ave		25032	48281	99444	195238		0.500	1.00	2.00	4.00
			379471	578614	805815			8.00	12.0	16.0		
Nitrobenzene	NPT	Ave		52786	104742	220337	438968		0.500	1.00	2.00	4.00
			866050	1129392	1625253			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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	1541103	99228 2030885	186971 2898069	393848	777265	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dimethylphenol	NPT	Lin2	824527	44375 1263627	102757 1706368	207482	410977	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitrophenol	NPT	Lin2	450009	24238 691004	49642 944931	105025	211715	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Lin2	922519	58840 1192926	118868 1747709	242846	473558	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzoic acid	NPT	Lin2	2578063	+++++ 4392983	211935 6198975	509743	1178296	40.0	+++++ 60.0	5.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	687877	40432 931591	83237 1452964	170343	354961	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	713006	46679 1111615	90642 1536113	190722	373040	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Naphthalene	NPT	Lin2	42394 2535645	174059 3653362	322436 4957489	662406	1287401	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chloroaniline	NPT	Ave	906567	54177 1365507	108242 1802170	226935	448458	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dichlorophenol	NPT	Ave	687795	41831 916236	73575 1308503	171019	345812	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	442767	26865 684800	52773 915385	109173	219413	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Caprolactam	NPT	Lin2	469996	24874 714407	52605 964791	116611	238727	16.0	1.00 24.0	2.00 32.0	4.00	8.00
4-Chloro-3-methylphenol	NPT	Ave	658048	38479 1030393	79662 1280566	166564	331571	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	1686946	26539 2240646	109746 3221731	440353	834389	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	1541608	25340 2370898	101284 2910643	408818	792933	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Lin2	528013	24950 799507	59523 1010268	123775	252523	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	768862	48040 1058573	93458 1626090	175475	379612	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Lin2	519433	25974 736023	57386 1131766	126637	261231	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	457169	25861 746559	51096 985558	122061	228006	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Biphenyl	ANT	Ave	1857683	124341 2994215	245187 3972706	527836	982734	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1499508	97538 2255132	178203 2798199	356832	771577	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitroaniline	ANT	Lin2	450756	24402 702614	44476 902536	110241	219118	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1524821	99984 2267273	179689 3090811	415343	755493	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,3-Dinitrobenzene	NPT	Lin2	246741	11969 381505	22354 539703	57134	123947	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	397910	20666 586639	44766 794226	92627	177951	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthylene	ANT	Ave	2446673	36119 150414	294944 3669587	628902	1204035	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3-Nitroaniline	ANT	Lin2	398485	22302 597249	48002 895310	103217	193476	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin2	385742	+++++ 633020	23985 922643	68302	166537	16.0	+++++ 24.0	2.00 32.0	4.00	8.00
Acenaphthene	ANT	Ave	1492257	26188 100881	195934 3273692	421121	807431	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Nitrophenol	ANT	Lin2	406708	17630 608929	37842 884125	93843	191485	16.0	1.00 24.0	2.00 32.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	505609	24293 754742	48866 1054678	122760	242641	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenzofuran	ANT	Ave	2085404	131350 2949473	258572 4262699	556649	1041961	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Lin2	398599	17106 639447	39074 860146	88553	184901	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexadecane	ANT	Ave	1133699	71080 1691305	133795 2076687	288878	565862	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1636613	113069 2332885	215269 3291733	411976	835641	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	804395	50470 1286555	99347 1718612	211319	403332	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	420219	23694 626844	47281 903825	101946	190861	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Fluorene	ANT	Ave	25234 1708338	106828 2433087	193922 3423398	448809	853416	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	508649	15621 821395	36113 1103163	100787	223222	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Diphenylamine	PHN	Ave	1176731	74810 1900659	145622 2450032	309011	606915	6.84	0.428 10.3	0.855 13.7	1.71	3.42
N-Nitrosodiphenylamine	PHN	Ave	1176731	74810 1900659	145622 2450032	309011	606915	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	1719371	106015 2612904	208346 3507678	448665	850177	8.00	0.500 12.0	1.00 16.0	2.00	4.00
trans-Azobenzene	PHN	Ave	1719371	106015 2612904	208346 3507680	448665	850177	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	480550	29180 748798	56249 1030756	121570	241648	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	560224	31289 859894	63469 1217487	141298	265121	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Atrazine	ANT	Ave	874794	52555 1309485	110035 1848947	232229	443167	16.0	1.00 24.0	2.00 32.0	4.00	8.00
n-Octadecane	PHN	Ave	1092279	70056 1698704	133861 2274276	291034	563438	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Pentachlorophenol	PHN	Lin2	543850	20986 948083	51904 1293209	131118	250452	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Phenanthrene	PHN	Ave	37047 2323006	151517 3584268	285654 4755914	606946	1194815	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Anthracene	PHN	Ave	35073 2311221	152883 3533776	285611 4763325	605344	1205019	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Carbazole	PHN	Ave	2103746	129579 3260840	265436 4267476	529024	1042417	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	2832563	169595 4196373	336200 5425287	734018	1384258	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Fluoranthene	PHN	Ave	34694 2450357	147461 3753155	300921 4980924	640108	1268763	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzidine	CRY	Ave	2674383	153690 3981020	312552 5401181	654494	1319211	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	37907 2559643	161092 3823037	316650 5184929	659917	1266017	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	1264535	67453 1933453	139943 2549068	288969	607236	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1801243	98734 2763988	197076 3786775	426153	864246	8.00	0.500 12.0	1.00 16.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	1896005	112057 2900733	216210 4116958	477118	945945	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzo[a]anthracene	CRY	Ave	2343679	37670 148233 3689185	292644 5014896	592050	1196397	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Chrysene	CRY	Ave	2245139	36241 141176 3521911	279269 4737703	571475	1138256	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-octyl phthalate	CRY	Ave	3029042	158587 4659727	330254 6403953	730525	1469368	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	2472614	34012 139573 3816472	279374 5390554	600973	1166015	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	2460975	34306 149107 3874634	295191 5412303	606372	1209902	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	2419187	30393 132228 3766868	273863 5228821	570781	1146444	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Lin2	2881959	35394 148084 4548350	308302 6182071	682660	1370442	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	2512929	31708 134245 3950106	270332 5397811	601383	1214388	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	2332002	30671 117951 3673670	258085 5058996	544136	1098993	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	796093	50363 1225278	96134 1686419	203210	408974	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	977699	62531 1485321	120035 2024607	251589	505676	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	951195	58189 1468485	118835 2038167	243057	481724	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorobiphenyl (Surr)	ANT	Ave	1771762	112897 2677260	220053 3591839	451190	879794	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	246041	11938 370835	24356 538149	54082	107608	8.00	0.500 12.0	1.00 16.0	2.00	4.00
p-Terphenyl-d14 (Surr)	CRY	Ave	1950492	120728 3140011	233609 4076372	497297	971996	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-603192/3	Y02826379.D
Level 2	IC 480-603192/4	Y02826380.D
Level 3	IC 480-603192/5	Y02826381.D
Level 4	IC 480-603192/6	Y02826382.D
Level 5	ICIS 480-603192/7	Y02826383.D
Level 6	IC 480-603192/8	Y02826384.D
Level 7	IC 480-603192/9	Y02826385.D
Level 8	IC 480-603192/10	Y02826386.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	-4.1	1.6 -3.8	5.1	2.9	0.0	-1.6	30	30	30	30	30	30
N-Nitrosodimethylamine	-1.0	0.6 -3.4	4.6	0.8	-1.6	0.1	30	30	30	30	30	30
Pyridine	-2.9	2.5 -3.2	-1.1	3.2	1.7	-0.2	30	30	30	30	30	30
Benzaldehyde	-4.0	-3.1 -8.1	0.9	10.9	2.0	1.4	30	30	30	30	30	30
Phenol	-3.6	0.3 -0.6	0.9	3.9	-0.1	-0.7	30	30	30	30	30	30
Aniline	-2.0	1.4 2.5	-1.2	1.3	-0.9	-1.1	30	30	30	30	30	30
Bis(2-chloroethyl) ether	-8.9	5.5 -12.5	6.1	6.5	3.8	-0.5	30	30	30	30	30	30
2-Chlorophenol	-3.4	-0.2 -3.8	-1.1	3.4	3.2	1.9	30	30	30	30	30	30
n-Decane	-4.1	3.2 -4.7	4.9	2.4	0.9	-2.7	30	30	30	30	30	30
1,3-Dichlorobenzene	-3.6	2.1 -3.2	2.1	1.1	2.3	-0.7	30	30	30	30	30	30
1,4-Dichlorobenzene	-1.7	3.7 -3.4	1.2	2.1	-0.3	-1.7	30	30	30	30	30	30
Benzyl alcohol	-1.8	-0.8 -0.4	-1.7	0.5	1.6	2.6	30	30	30	30	30	30
1,2-Dichlorobenzene	-2.7	0.9 -3.7	3.0	2.6	1.0	-1.2	30	30	30	30	30	30
2-Methylphenol	-0.4	-1.0 -2.7	-0.2	2.5	0.7	1.1	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	-4.9	3.9 -9.2	4.3	4.3	1.6	-0.1	30	30	30	30	30	30
Indene	-14.8	9.0 ++++	7.5	4.3	-1.2	-4.7	30	30	30	30	30	30
4-Methylphenol	-12.3	3.7 -13.1	3.9	6.9	7.3	3.6	30	30	30	30	30	30
N-Nitrosodi-n-propylamine	-9.7	3.6 -11.7	5.0	6.4	3.2	3.2	30	30	30	30	30	30
Acetophenone	-9.1	-2.5 -9.2	0.1	7.8	5.7	7.2	30	30	30	30	30	30
Hexachloroethane	-3.3	3.7 -1.4	1.4	1.8	-0.3	-1.9	30	30	30	30	30	30
Nitrobenzene	-10.1	1.1 -7.4	4.8	4.8	3.8	3.1	30	30	30	30	30	30
Isophorone	-7.5	-2.4 -5.4	1.7	4.8	4.2	4.7	30	30	30	30	30	30
2,4-Dimethylphenol	0.7	-4.0 -2.8	8.1	1.2	-1.8	-1.5	30	30	30	30	30	30
2-Nitrophenol	3.7	1.0 1.3	0.1	-2.9	-4.4	1.3	30	30	30	30	30	30
Bis (2-chloroethoxy) methane	-10.4	-5.2 -5.9	6.8	6.6	4.7	3.4	30	30	30	30	30	30
Benzoic acid	6.7	++++ 6.9	5.0	-7.3	-7.2	-4.1	30	30	30	30	30	30
2,4-Dichlorophenol	-8.0	-4.0 2.7	3.3	0.5	4.1	1.6	30	30	30	30	30	30
1,2,4-Trichlorobenzene	-0.1	0.9 -1.2	2.4	2.4	-0.4	-4.1	30	30	30	30	30	30
Naphthalene	-2.3 -4.2	6.4 -6.9	4.6	3.0	0.0	-0.6	30 30	30 30	30	30	30	30
4-Chloroaniline	2.1	-2.6 -3.5	1.7	1.4	-0.4	1.4	30	30	30	30	30	30
2,6-Dichlorophenol	-6.5	2.6 -4.4	-5.7	4.2	4.8	4.9	30	30	30	30	30	30
Hexachlorobutadiene	3.9	-2.0 -0.6	0.6	-1.1	-1.2	0.4	30	30	30	30	30	30
Caprolactam	0.8	-0.6 -2.7	0.4	1.5	1.3	-0.5	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	5.5	-5.3 -6.2	2.5	1.9	0.8	0.8	30	30	30	30	30	30
2-Methylnaphthalene	6.1 -10.9	5.0 -8.3	4.6	4.6	-1.4	0.3	30 30	30 30	30	30	30	30
1-Methylnaphthalene	7.4 0.0	2.7 -12.2	2.7	3.0	-0.7	-2.8	30 30	30 30	30	30	30	30
Hexachlorocyclopentadiene	5.5	-1.2 -7.1	1.4	2.9	-2.7	1.2	30	30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	-3.1	2.9 3.8	-1.0	-3.6	-0.7	1.6	30	30	30	30	30	30
2,4,6-Trichlorophenol	-3.5	0.6 3.2	-2.9	4.2	-0.3	-1.2	30	30	30	30	30	30
2,4,5-Trichlorophenol	7.3	2.2 -1.2	-7.6	8.7	-4.9	-4.6	30	30	30	30	30	30
Biphenyl	3.9	0.9 -3.8	-1.5	10.0	-2.5	-6.9	30	30	30	30	30	30
2-Chloronaphthalene	4.8	6.0 -9.3	-4.1	-0.5	2.5	0.6	30	30	30	30	30	30
2-Nitroaniline	7.8	5.0 -3.5	-12.5	5.3	-2.3	0.3	30	30	30	30	30	30
Dimethyl phthalate	1.1	4.3 -3.8	-7.2	11.2	-3.7	-1.8	30	30	30	30	30	30
1,3-Dinitrobenzene	2.6	5.6 3.5	-10.8	-2.1	1.4	-0.2	30	30	30	30	30	30
2,6-Dinitrotoluene	4.6	0.5 -1.3	-0.7	2.3	-8.0	2.8	30	30	30	30	30	30
Acenaphthylene	-2.7 3.9	-0.3 -2.2	-3.3	7.0	-2.5	0.1	30 30	30 30	30	30	30	30
3-Nitroaniline	0.0	-0.3 4.4	-1.0	6.4	-6.3	-3.3	30	30	30	30	30	30
2,4-Dinitrophenol	6.2	++++ 6.7	4.0	-4.6	-8.9	-3.4	30	30	30	30	30	30
Acenaphthene	6.8 -2.8	1.2 -2.1	-2.7	8.4	-1.1	-7.6	30 30	30 30	30	30	30	30
4-Nitrophenol	2.9	4.3 3.8	-9.2	2.7	-4.4	0.0	30	30	30	30	30	30
2,4-Dinitrotoluene	2.9	3.8 0.1	-10.1	6.2	-3.1	0.2	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	-3.2	0.9 -2.4	-1.7	9.7	-2.2	-1.1	30	30	30	30	30	30
2,3,4,6-Tetrachlorophenol	9.0	3.7 2.0	-5.7	-1.5	-6.6	-0.9	30	30 30	30	30	30	30
Hexadecane	4.4	2.6 -10.6	-4.4	7.1	-0.2	1.1	30	30 30	30	30	30	30
Diethyl phthalate	-3.9	9.0 -5.4	2.7	1.9	-1.6	-2.6	30	30 30	30	30	30	30
4-Chlorophenyl phenyl ether	7.2	-1.6 -0.1	-4.1	5.7	-3.9	-3.2	30	30 30	30	30	30	30
4-Nitroaniline	3.4	2.2 4.0	-4.5	3.4	-9.0	0.4	30	30 30	30	30	30	30
Fluorene	-1.9 -0.5	2.2 -2.4	-8.2	10.2	-0.3	0.9	30 30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	6.3	7.6 5.2	-12.8	-5.1	-5.1	3.8	30	30 30	30	30	30	30
Diphenylamine	0.7	2.8 -3.8	-0.4	3.7	-0.1	-2.9	30	30 30	30	30	30	30
N-Nitrosodiphenylamine	0.7	2.8 -3.8	-0.4	3.7	-0.1	-2.9	30	30 30	30	30	30	30
1,2-Diphenylhydrazine	-2.8	2.3 -3.3	0.1	5.8	-1.7	-0.4	30	30 30	30	30	30	30
trans-Azobenzene	-2.8	2.3 -3.3	0.1	5.8	-1.7	-0.4	30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	-0.5	0.6 1.6	-3.4	2.4	-0.1	-0.5	30	30 30	30	30	30	30
Hexachlorobenzene	0.6	-5.1 5.5	-4.1	4.7	-3.6	2.1	30	30 30	30	30	30	30
Atrazine	1.5	-4.7 0.0	-1.2	8.1	-1.8	-2.0	30	30 30	30	30	30	30
n-Octadecane	-2.8	4.0 -3.5	-1.0	5.6	0.3	-2.6	30	30 30	30	30	30	30
Pentachlorophenol	6.1	2.8 6.8	-4.8	2.2	-9.0	-4.1	30	30 30	30	30	30	30
Phenanthrene	5.0 -3.8	5.4 -5.4	-1.0	3.2	-0.4	-2.9	30 30	30 30	30	30	30	30
Anthracene	0.1 -4.5	7.1 -4.6	-0.3	3.7	1.2	-2.7	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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	-1.1	1.9 -4.1	4.0	1.7	-1.7	-0.6	30	30 30	30	30	30	30
Di-n-butyl phthalate	-3.1	1.5 -7.2	0.2	7.4	-0.7	1.9	30	30 30	30	30	30	30
Fluoranthene	-4.3 -2.0	-0.2 -3.6	1.5	5.9	3.0	-0.3	30 30	30 30	30	30	30	30
Benzidine	-2.4	0.5 -4.6	0.3	1.8	2.6	1.9	30	30 30	30	30	30	30
Pyrene	-2.4 -4.7	7.1 -6.9	3.3	4.4	0.1	-0.9	30 30	30 30	30	30	30	30
Butyl benzyl phthalate	3.2	-4.0 -2.1	-2.3	-2.2	2.7	4.8	30	30 30	30	30	30	30
Bis(2-ethylhexyl) phthalate	2.1	-2.7 0.8	-4.7	-0.1	1.3	3.4	30	30 30	30	30	30	30
3,3'-Dichlorobenzidine	-1.7	1.3 0.5	-4.1	2.6	1.6	-0.2	30	30 30	30	30	30	30
Benzo[a]anthracene	3.2 -2.1	4.8 -4.2	1.6	-0.4	0.6	-3.4	30 30	30 30	30	30	30	30
Chrysene	3.9 -2.2	4.5 -5.3	1.4	0.6	0.2	-3.2	30 30	30 30	30	30	30	30
Di-n-octyl phthalate	2.5	-7.0 1.5	-4.9	1.9	2.5	3.5	30	30 30	30	30	30	30
Benzo[b]fluoranthene	0.6 1.4	-2.5 0.6	-1.2	0.9	-1.5	1.7	30 30	30 30	30	30	30	30
Benzo[k]fluoranthene	-0.9 0.5	1.7 -1.4	2.0	-0.6	-0.2	-1.1	30 30	30 30	30	30	30	30
Benzo[a]pyrene	-6.4 4.1	-3.9 1.5	0.8	-0.3	0.7	3.6	30 30	30 30	30	30	30	30
Indeno[1,2,3-cd]pyrene	2.2 5.0	-7.4 0.2	-4.0	0.2	0.8	3.1	30 30	30 30	30	30	30	30
Dibenz(a,h)anthracene	-5.7 5.5	-5.7 1.2	-3.9	1.5	3.1	3.9	30 30	30 30	30	30	30	30
Benzo[g,h,i]perylene	-1.4 6.0	-10.5 2.5	-0.9	-0.8	0.8	4.2	30 30	30 30	30	30	30	30
2-Fluorophenol (Surr)	-0.7	1.2 0.0	-2.1	0.8	1.2	-0.2	30	30 30	30	30	30	30
Phenol-d5 (Surr)	-2.1	2.2 -2.4	-0.6	1.5	1.8	-0.3	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.: 480-191867-1 Analy Batch No.: 603192

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/03/2021 10:44 Calibration End Date: 11/03/2021 13:53 Calibration ID: 42664

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
Nitrobenzene-d5 (Surr)	1.5	-3.3 0.9	3.2	0.4	-1.1	-1.7	30	30 30	30	30	30	30
2-Fluorobiphenyl (Surr)	3.2	1.8 -3.4	-1.8	4.5	-3.0	-1.3	30	30 30	30	30	30	30
2,4,6-Tribromophenol (Surr)	0.3	3.8 7.6	-5.3	-2.9	-7.7	4.1	30	30 30	30	30	30	30
p-Terphenyl-d14 (Surr)	1.7	4.2 -4.9	-1.0	2.1	-0.2	-1.9	30	30 30	30	30	30	30

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826379.D
 Lims ID: IC - List 1 - 0.125
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Nov-2021 10:44:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-003
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:02:04 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 16:57:42

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	6.672	6.672	0.000	95	312970	4.00	4.00	
* 2 Naphthalene-d8	136	7.764	7.764	0.000	100	1179138	4.00	4.00	
* 3 Acenaphthene-d10	164	9.254	9.254	0.000	93	644468	4.00	4.00	
* 4 Phenanthrene-d10	188	10.517	10.517	-0.001	95	1060165	4.00	4.00	
* 5 Chrysene-d12	240	13.320	13.317	0.003	96	926783	4.00	4.00	
* 6 Perylene-d12	264	15.610	15.607	0.003	98	916013	4.00	4.00	
74 Naphthalene	128	7.781	7.781	0.000	95	42394	0.1250	0.1222	
87 2-Methylnaphthalene	142	8.360	8.360	0.000	91	26539	0.1250	0.1326	
89 1-Methylnaphthalene	142	8.448	8.451	-0.003	94	25340	0.1250	0.1342	
108 Acenaphthylene	152	9.137	9.138	-0.001	98	36119	0.1250	0.1216	
110 Acenaphthene	153	9.282	9.282	0.000	94	26188	0.1250	0.1334	
124 Fluorene	166	9.713	9.714	-0.001	92	25234	0.1250	0.1226	
151 Phenanthrene	178	10.536	10.537	-0.001	93	37047	0.1250	0.1312	
152 Anthracene	178	10.582	10.579	0.003	97	35073	0.1250	0.1251	
164 Fluoranthene	202	11.603	11.601	0.002	99	34694	0.1250	0.1196	
167 Pyrene	202	11.847	11.845	0.002	96	37907	0.1250	0.1220	
180 Benzo[a]anthracene	228	13.309	13.303	0.006	98	37670	0.1250	0.1290	M
182 Chrysene	228	13.357	13.357	0.000	97	36241	0.1250	0.1299	M
186 Benzo[b]fluoranthene	252	14.969	14.966	0.003	97	34012	0.1250	0.1258	a
187 Benzo[k]fluoranthene	252	15.011	15.009	0.002	97	34306	0.1250	0.1239	
189 Benzo[a]pyrene	252	15.516	15.514	0.002	79	30393	0.1250	0.1170	
193 Indeno[1,2,3-cd]pyrene	276	17.542	17.543	-0.001	95	35394	0.1250	0.1278	
194 Dibenz(a,h)anthracene	278	17.562	17.560	0.002	66	31708	0.1250	0.1179	a
195 Benzo[g,h,i]perylene	276	18.124	18.127	-0.003	93	30671	0.1250	0.1232	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: 04-Nov-2021 10:02:05

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-Y02826379.D

Injection Date: 03-Nov-2021 10:44:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 0.125

Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul

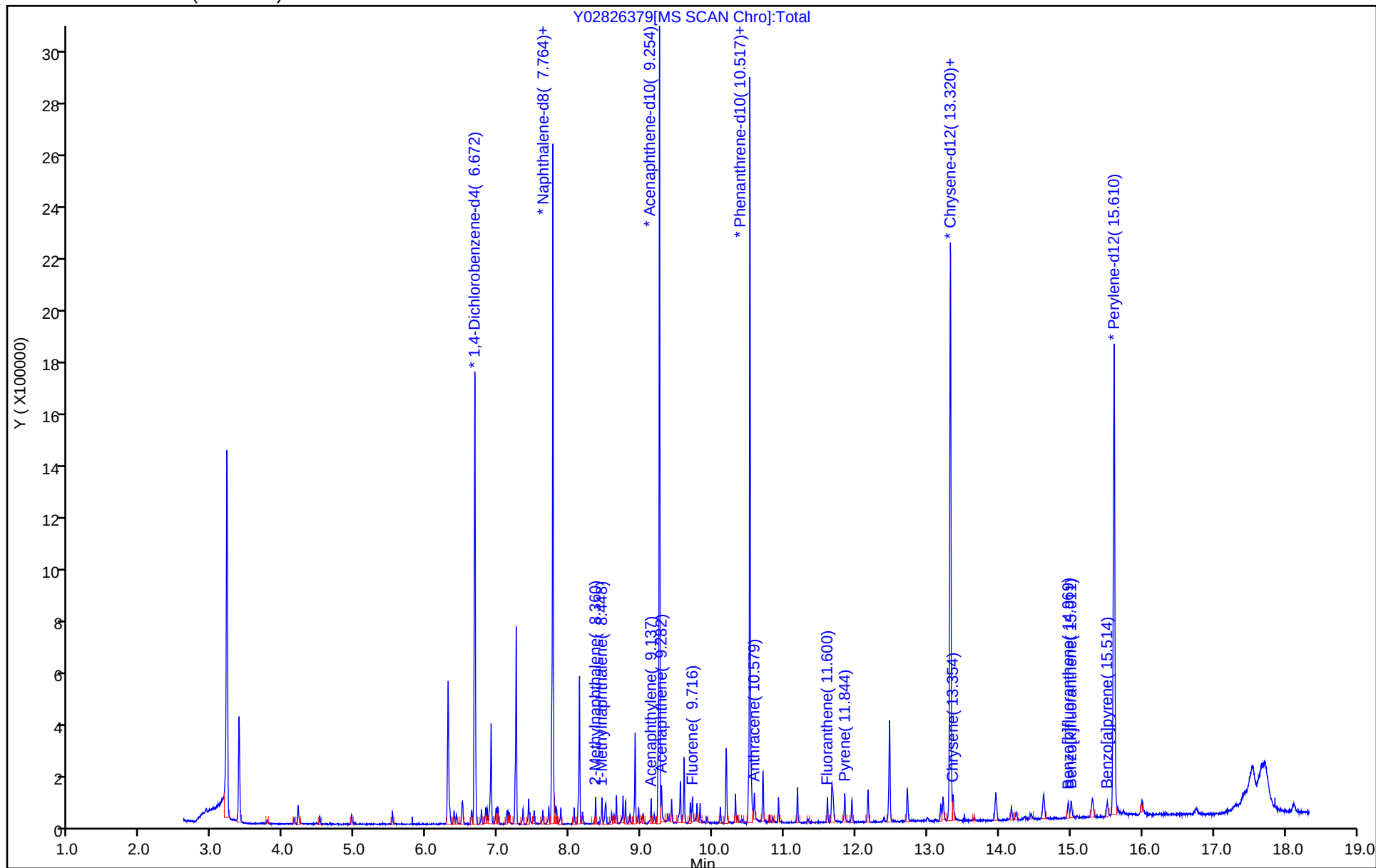
Dil. Factor: 1.0000

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\20211103-102124.b\Y02826379.D

Injection Date: 03-Nov-2021 10:44:30

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

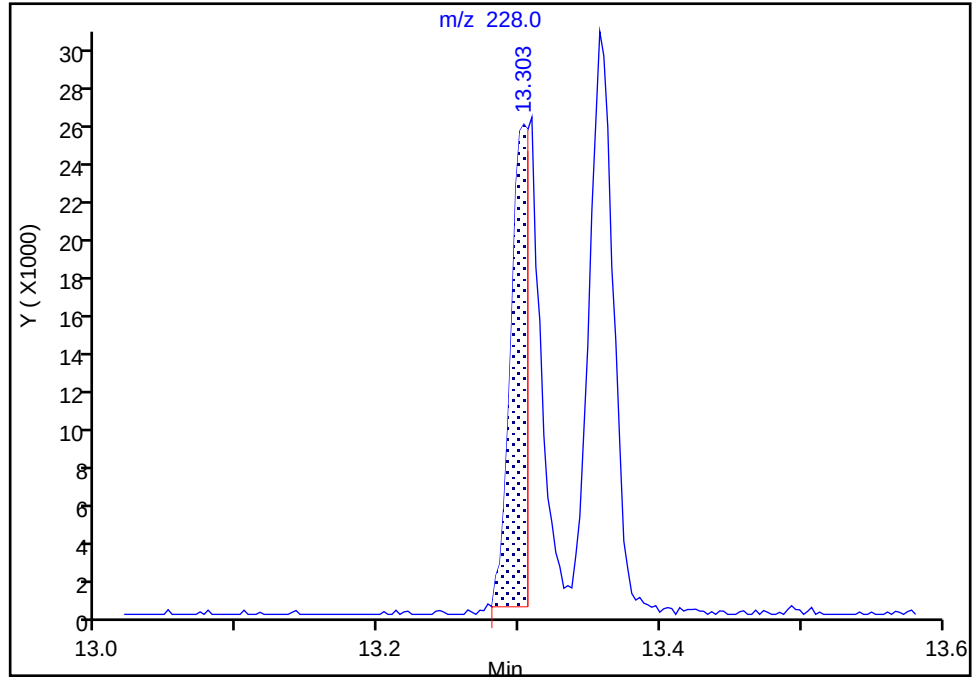
MS SCAN

180 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

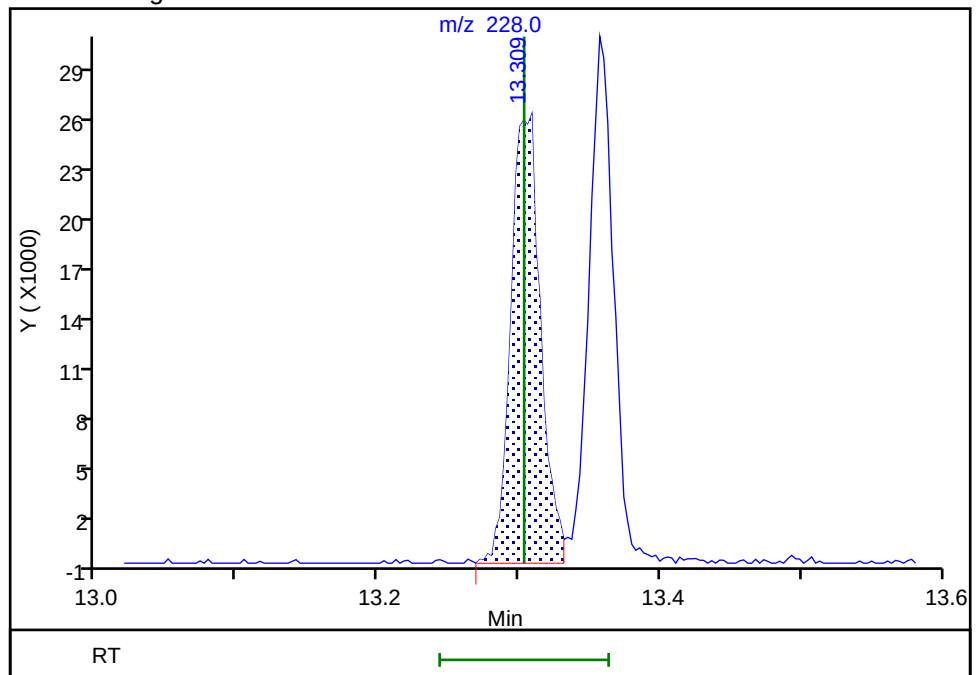
RT: 13.30
Area: 22128
Amount: 0.080020
Amount Units: ng/uL

Processing Integration Results



RT: 13.31
Area: 37670
Amount: 0.128975
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 16:57:00

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826379.D

Injection Date: 03-Nov-2021 10:44:30

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

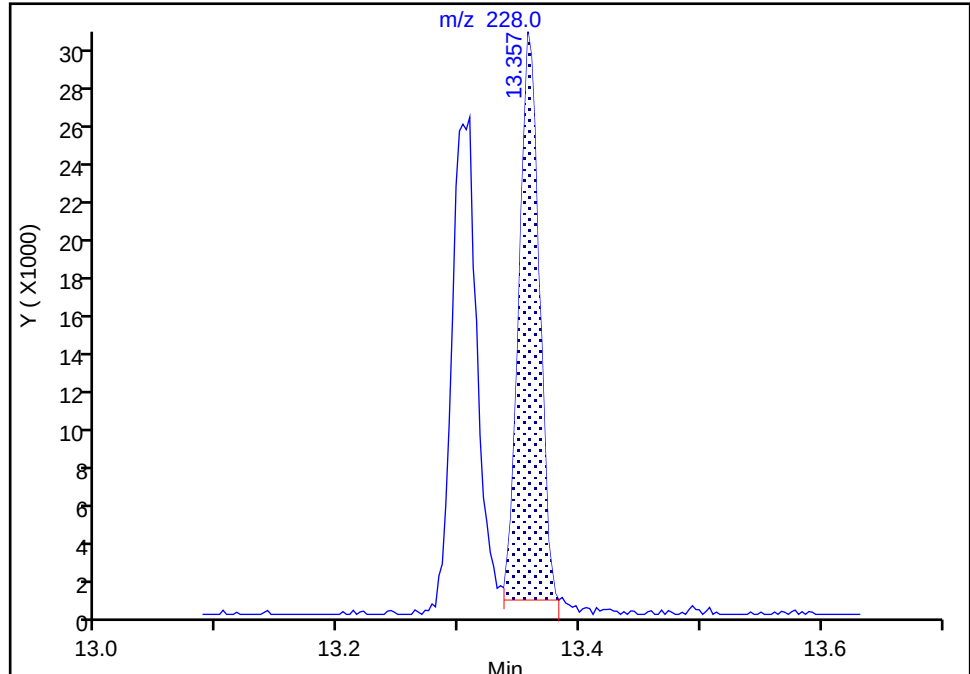
MS SCAN

182 Chrysene, CAS: 218-01-9

Signal: 1

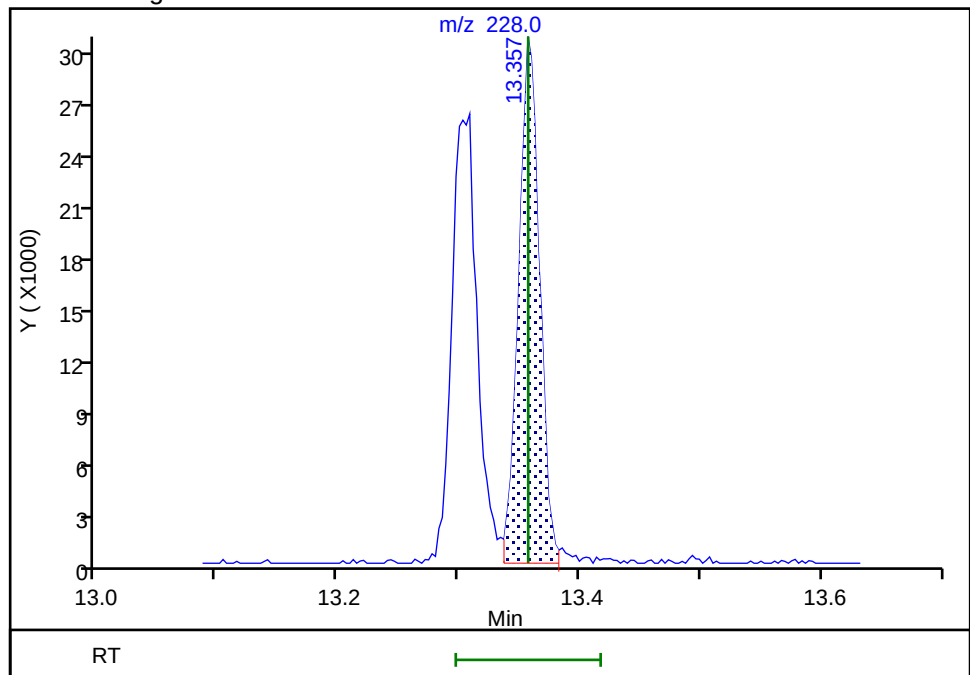
RT: 13.36
Area: 34102
Amount: 0.123155
Amount Units: ng/uL

Processing Integration Results



RT: 13.36
Area: 36241
Amount: 0.129876
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 16:57:09

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826379.D

Injection Date: 03-Nov-2021 10:44:30

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

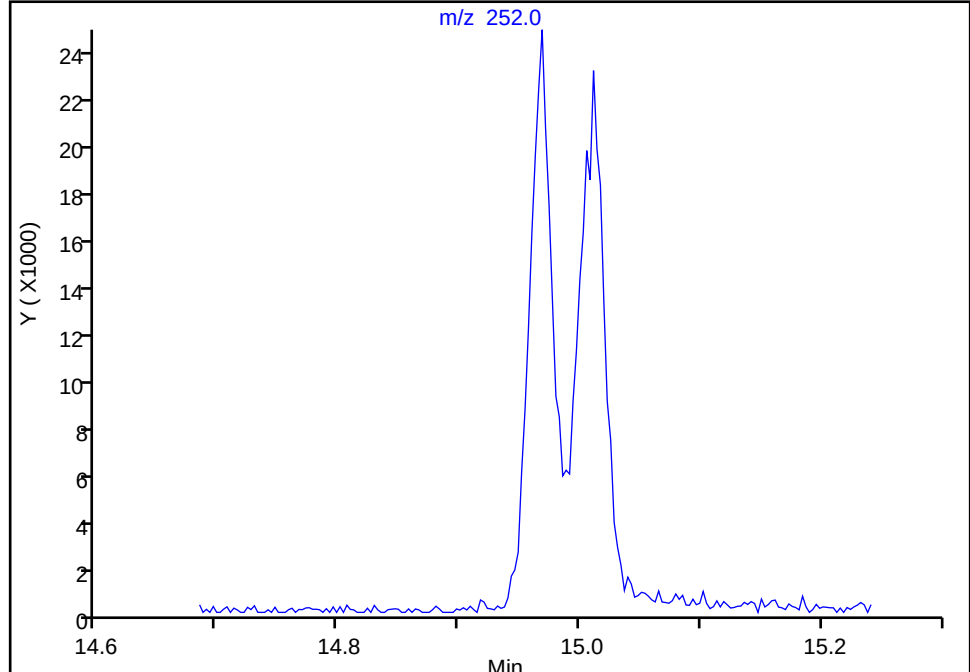
186 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

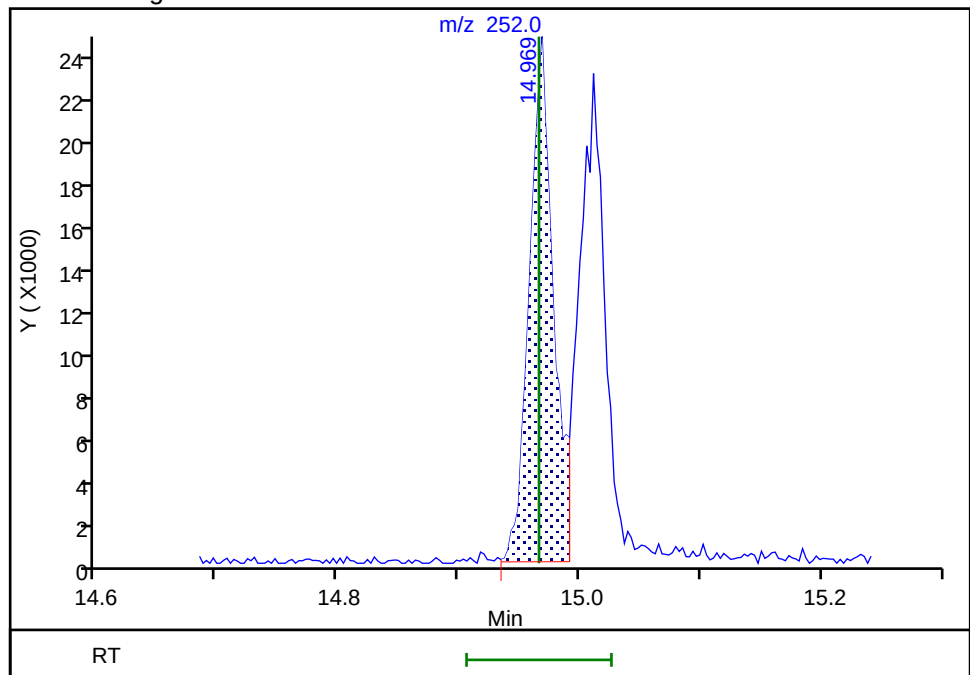
Not Detected

Expected RT: 14.97

Processing Integration Results



Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 16:57:13

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826379.D

Injection Date: 03-Nov-2021 10:44:30

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

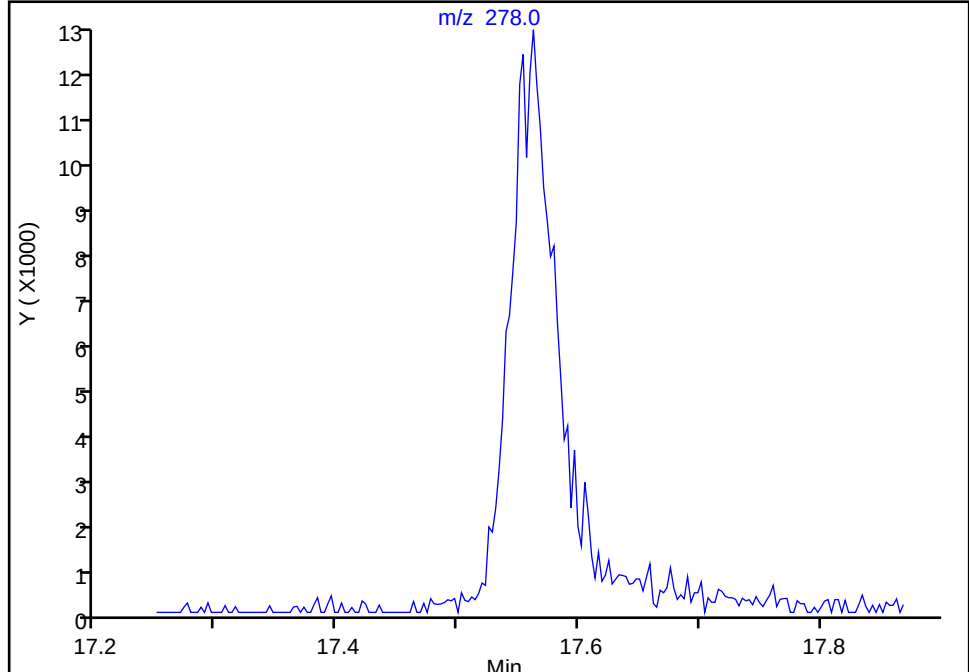
194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

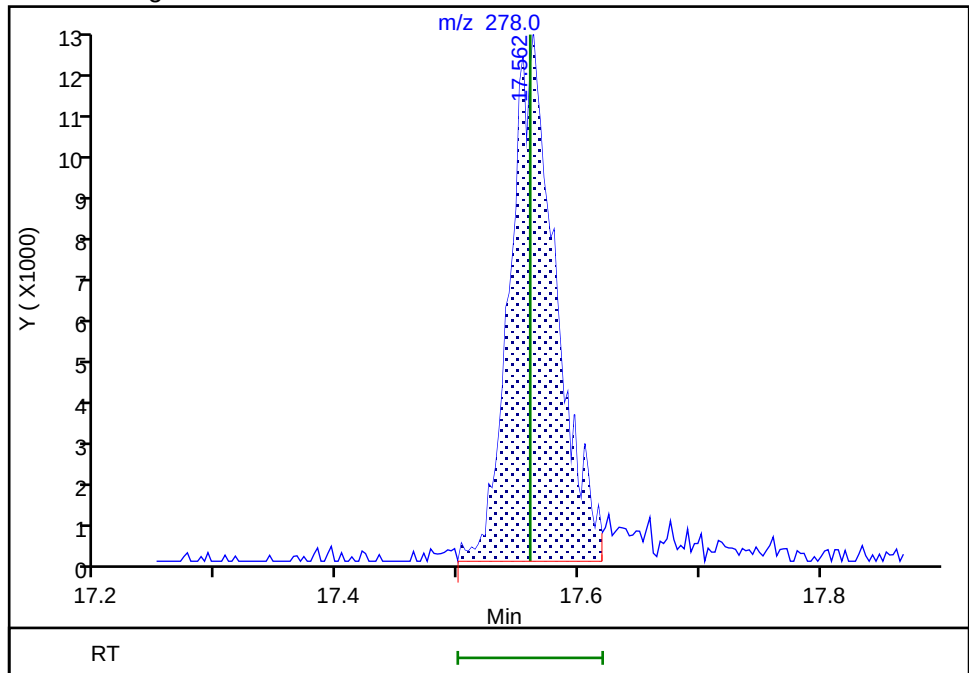
Not Detected

Expected RT: 17.56

Processing Integration Results



Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 16:57:18

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826379.D

Injection Date: 03-Nov-2021 10:44:30

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

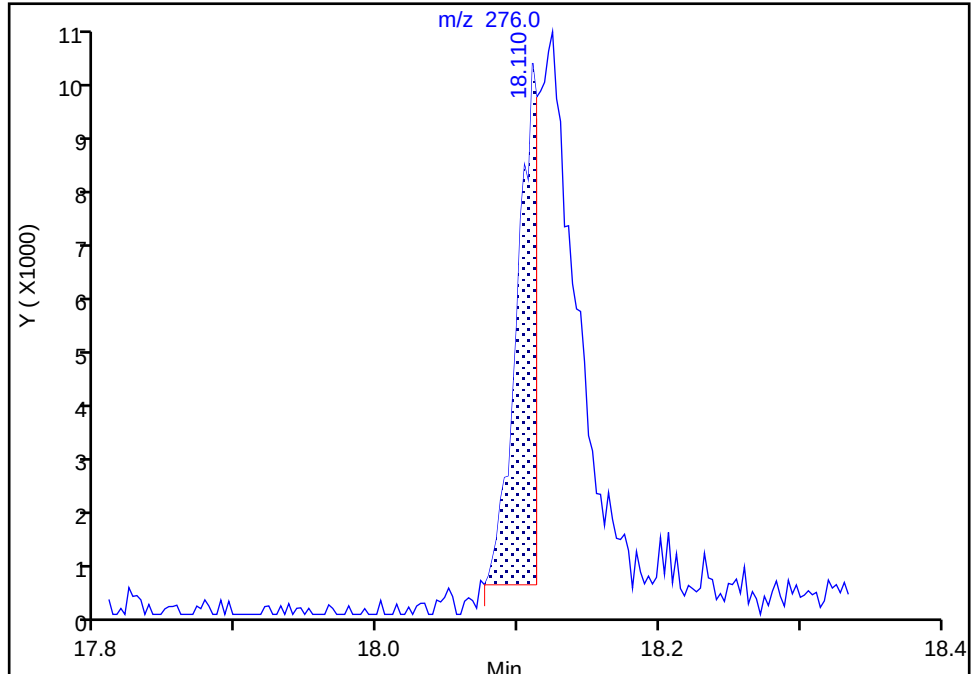
MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

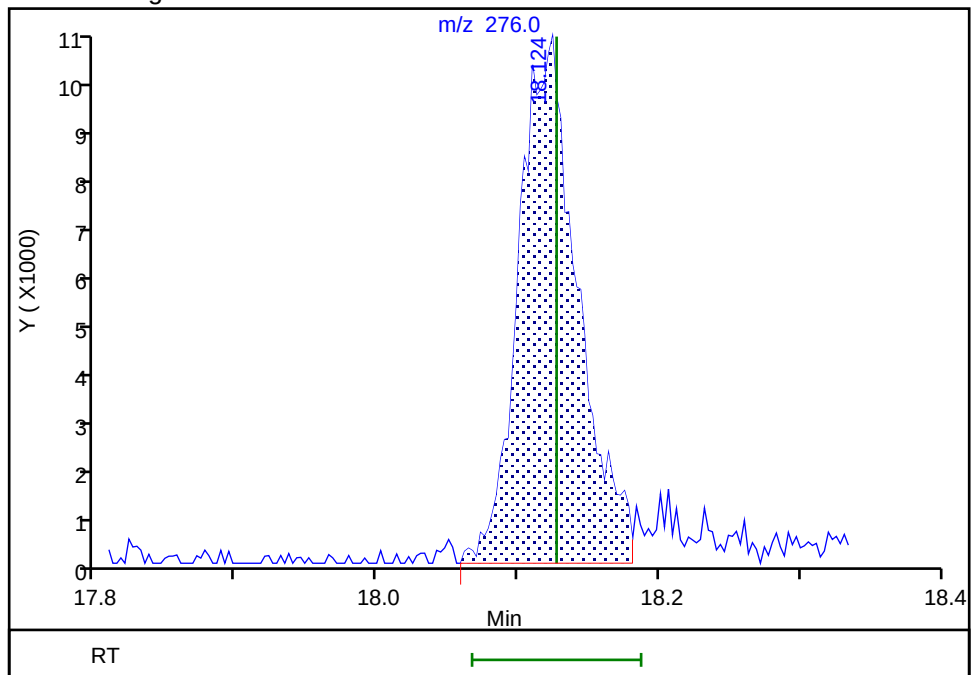
RT: 18.11
Area: 9356
Amount: 0.041612
Amount Units: ng/uL

Processing Integration Results



RT: 18.12
Area: 30671
Amount: 0.123227
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 16:57:38

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826380.D
 Lims ID: IC - List 1- 0.50
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 03-Nov-2021 11:11:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-004
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:02:08 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 17:00:20

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	6.674	6.672	0.002	96	320158	4.00	4.00	
* 2 Naphthalene-d8	136	7.764	7.764	0.000	100	1232063	4.00	4.00	
* 3 Acenaphthene-d10	164	9.253	9.254	-0.001	94	654928	4.00	4.00	
* 4 Phenanthrene-d10	188	10.516	10.517	-0.001	95	1079406	4.00	4.00	
* 5 Chrysene-d12	240	13.320	13.317	0.003	97	897260	4.00	4.00	
* 6 Perylene-d12	264	15.607	15.607	0.000	95	970074	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.522	5.520	0.002	93	50363	0.5000	0.5058	
\$ 8 Phenol-d5	99	6.314	6.311	0.003	0	62531	0.5000	0.5108	
\$ 9 Nitrobenzene-d5	82	7.139	7.137	0.002	89	58189	0.5000	0.4837	
\$ 10 2-Fluorobiphenyl	172	8.652	8.652	0.000	99	112897	0.5000	0.5092	
\$ 11 2,4,6-Tribromophenol	330	9.917	9.918	-0.001	94	11938	0.5000	0.5190	
\$ 12 p-Terphenyl-d14	244	11.943	11.941	0.002	96	120728	0.5000	0.5212	
13 1,4-Dioxane	88	3.771	3.772	-0.001	97	20418	0.5000	0.5078	
14 N-Nitrosodimethylamine	42	4.146	4.143	0.003	91	27680	0.5000	0.5028	
15 Pyridine	52	4.197	4.192	0.005	92	72222	1.00	1.02	
35 Benzaldehyde	77	6.297	6.294	0.003	94	86467	1.00	0.9690	
37 Phenol	94	6.325	6.323	0.002	97	64918	0.5000	0.5015	
36 Aniline	93	6.385	6.382	0.003	98	81218	0.5000	0.5070	
39 Bis(2-chloroethyl)ether	93	6.416	6.416	0.000	92	50870	0.5000	0.5273	
40 2-Chlorophenol	128	6.492	6.493	-0.001	98	53075	0.5000	0.4988	
41 n-Decane	57	6.504	6.504	0.000	93	61584	0.5000	0.5162	
43 1,3-Dichlorobenzene	146	6.629	6.629	0.000	98	61661	0.5000	0.5105	
44 1,4-Dichlorobenzene	146	6.688	6.689	-0.001	93	64052	0.5000	0.5186	a
45 Benzyl alcohol	108	6.768	6.765	0.003	93	34517	0.5000	0.4962	
46 1,2-Dichlorobenzene	146	6.824	6.825	-0.001	97	58906	0.5000	0.5047	
48 2-Methylphenol	108	6.844	6.845	-0.001	95	48079	0.5000	0.4949	
49 2,2'-oxybis[1-chloropropane]	45	6.875	6.876	-0.001	94	80373	0.5000	0.5197	
47 Indene	115	6.901	6.899	0.002	89	507085	2.50	2.72	
57 4-Methylphenol	108	6.969	6.967	0.002	98	50044	0.5000	0.5184	
53 N-Nitrosodi-n-propylamine	70	6.983	6.984	-0.001	91	35973	0.5000	0.5178	
52 Acetophenone	105	7.000	7.001	-0.001	93	70727	0.5000	0.4876	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.122	7.120	0.002	97	25032	0.5000	0.5187	
59 Nitrobenzene	77	7.154	7.154	0.000	90	52786	0.5000	0.5053	
62 Isophorone	82	7.346	7.344	0.002	99	99228	0.5000	0.4881	
64 2-Nitrophenol	139	7.426	7.424	0.002	84	24238	0.5000	0.5049	
66 2,4-Dimethylphenol	107	7.423	7.424	-0.001	88	44375	0.5000	0.4801	
70 Benzoic acid	105	7.451	7.455	-0.004	89	92494	2.50	3.43	M
69 Bis(2-chloroethoxy)methane	93	7.503	7.500	0.003	96	58840	0.5000	0.4739	
72 2,4-Dichlorophenol	162	7.625	7.622	0.003	93	40432	0.5000	0.4800	
73 1,2,4-Trichlorobenzene	180	7.707	7.707	0.000	94	46679	0.5000	0.5046	
74 Naphthalene	128	7.783	7.781	0.002	97	174059	0.5000	0.5319	
76 4-Chloroaniline	127	7.800	7.801	-0.001	97	54177	0.5000	0.4871	
77 2,6-Dichlorophenol	162	7.818	7.815	0.003	96	41831	0.5000	0.5132	
79 Hexachlorobutadiene	225	7.874	7.875	-0.001	96	26865	0.5000	0.4900	
84 Caprolactam	113	8.064	8.065	-0.001	77	24874	1.00	0.99	
85 4-Chloro-3-methylphenol	107	8.181	8.179	0.002	94	38479	0.5000	0.4737	
87 2-Methylnaphthalene	142	8.362	8.360	0.002	93	109746	0.5000	0.5249	
89 1-Methylnaphthalene	142	8.450	8.451	-0.001	94	101284	0.5000	0.5134	
90 Hexachlorocyclopentadiene	237	8.496	8.496	0.000	97	24950	0.5000	0.4942	
91 1,2,4,5-Tetrachlorobenzene	216	8.504	8.505	-0.001	97	48040	0.5000	0.5143	
93 2,4,6-Trichlorophenol	196	8.586	8.584	0.002	92	25974	0.5000	0.5028	
94 2,4,5-Trichlorophenol	196	8.621	8.618	0.003	94	25861	0.5000	0.5112	
96 1,1'-Biphenyl	154	8.745	8.743	0.002	96	124341	0.5000	0.5047	
97 2-Chloronaphthalene	162	8.779	8.780	-0.001	95	97538	0.5000	0.5301	
100 2-Nitroaniline	65	8.839	8.840	-0.001	83	24402	0.5000	0.5250	
105 Dimethyl phthalate	163	8.964	8.962	0.002	99	99984	0.5000	0.5215	
106 1,3-Dinitrobenzene	168	9.006	9.004	0.002	84	11969	0.5000	0.5278	
107 2,6-Dinitrotoluene	165	9.026	9.027	-0.001	93	20666	0.5000	0.5024	
108 Acenaphthylene	152	9.137	9.138	-0.001	98	150414	0.5000	0.4984	
109 3-Nitroaniline	138	9.182	9.180	0.002	95	22302	0.5000	0.4987	
111 2,4-Dinitrophenol	184	9.268	9.268	0.000	64	8409	1.00	1.51	
110 Acenaphthene	153	9.282	9.282	0.000	95	100881	0.5000	0.5058	
112 4-Nitrophenol	109	9.285	9.288	-0.003	40	17630	1.00	1.04	a
114 2,4-Dinitrotoluene	165	9.373	9.373	-0.001	93	24293	0.5000	0.5188	
115 Dibenzofuran	168	9.424	9.424	0.000	96	131350	0.5000	0.5044	
118 2,3,4,6-Tetrachlorophenol	232	9.517	9.515	0.002	74	17106	0.5000	0.5184	
121 Hexadecane	57	9.546	9.546	0.000	92	71080	0.5000	0.5132	
120 Diethyl phthalate	149	9.548	9.549	-0.001	98	113069	0.5000	0.5448	
123 4-Chlorophenyl phenyl ether	204	9.685	9.685	0.000	90	50470	0.5000	0.4920	
126 4-Nitroaniline	138	9.699	9.697	0.002	85	23694	0.5000	0.5111	
124 Fluorene	166	9.716	9.714	0.002	93	106828	0.5000	0.5109	
127 4,6-Dinitro-2-methylphenol	198	9.722	9.725	-0.003	87	15621	1.00	1.08	
129 Diphenylamine	169	9.778	9.779	-0.001	93	74810	0.4275	0.4393	
130 N-Nitrosodiphenylamine	169	9.778	9.779	-0.001	65	74810	0.5000	0.5138	
131 1,2-Diphenylhydrazine	77	9.821	9.821	0.000	41	106015	0.5000	0.5113	
132 Azobenzene	77	9.821	9.821	0.000	99	106015	0.5000	0.5113	
139 4-Bromophenyl phenyl ether	248	10.105	10.105	0.000	67	29180	0.5000	0.5029	
140 Hexachlorobenzene	284	10.193	10.190	0.003	89	31289	0.5000	0.4744	
143 Atrazine	200	10.193	10.193	0.000	91	52555	1.00	0.9534	
148 n-Octadecane	57	10.315	10.315	0.000	93	70056	0.5000	0.5200	
145 Pentachlorophenol	266	10.343	10.344	-0.001	92	20986	1.00	1.03	
151 Phenanthrene	178	10.536	10.537	-0.001	96	151517	0.5000	0.5270	
152 Anthracene	178	10.581	10.579	0.002	97	152883	0.5000	0.5357	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.695	10.693	0.002	96	129579	0.5000	0.5095	
157 Di-n-butyl phthalate	149	10.919	10.920	-0.001	100	169595	0.5000	0.5076	
164 Fluoranthene	202	11.600	11.601	-0.001	99	147461	0.5000	0.4992	
166 Benzidine	184	11.682	11.683	-0.001	100	153690	1.00	1.00	
167 Pyrene	202	11.844	11.845	-0.001	96	161092	0.5000	0.5355	
174 Butyl benzyl phthalate	149	12.457	12.452	0.005	97	67453	0.5000	0.4798	
181 Bis(2-ethylhexyl) phthalate	149	13.186	13.187	-0.001	97	98734	0.5000	0.4864	
179 3,3'-Dichlorobenzidine	252	13.217	13.218	-0.001	74	112057	1.00	1.01	
180 Benzo[a]anthracene	228	13.305	13.303	0.002	99	148233	0.5000	0.5242	
182 Chrysene	228	13.357	13.357	-0.001	97	141176	0.5000	0.5226	
184 Di-n-octyl phthalate	149	14.174	14.172	0.002	99	158587	0.5000	0.4652	
186 Benzo[b]fluoranthene	252	14.965	14.966	-0.001	98	139573	0.5000	0.4875	
187 Benzo[k]fluoranthene	252	15.011	15.009	0.002	98	149107	0.5000	0.5086	
189 Benzo[a]pyrene	252	15.513	15.514	-0.001	79	132228	0.5000	0.4805	a
193 Indeno[1,2,3-cd]pyrene	276	17.536	17.543	-0.007	95	148084	0.5000	0.4630	a
194 Dibenz(a,h)anthracene	278	17.562	17.560	0.002	90	134245	0.5000	0.4714	a
195 Benzo[g,h,i]perylene	276	18.121	18.127	-0.006	95	117951	0.5000	0.4475	
S 261 Total Cresols	1				0			1.01	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

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: 04-Nov-2021 10:02:09

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826380.D

Injection Date: 03-Nov-2021 11:11:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1- 0.50

Worklist Smp#: 4

Client ID:

Injection Vol: 2.0 ul

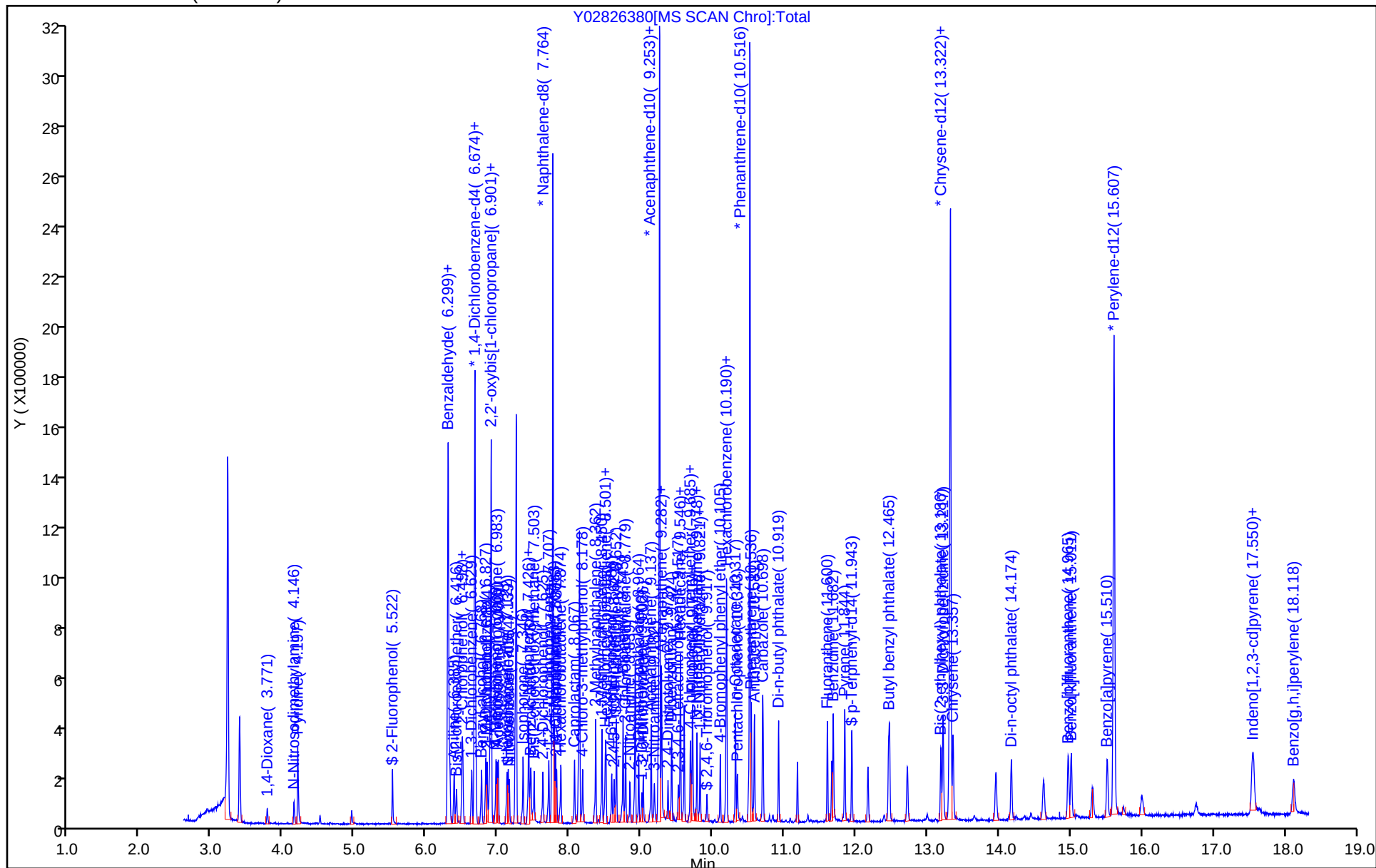
Dil. Factor: 1.0000

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\20211103-102124.b\Y02826380.D

Injection Date: 03-Nov-2021 11:11:30

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

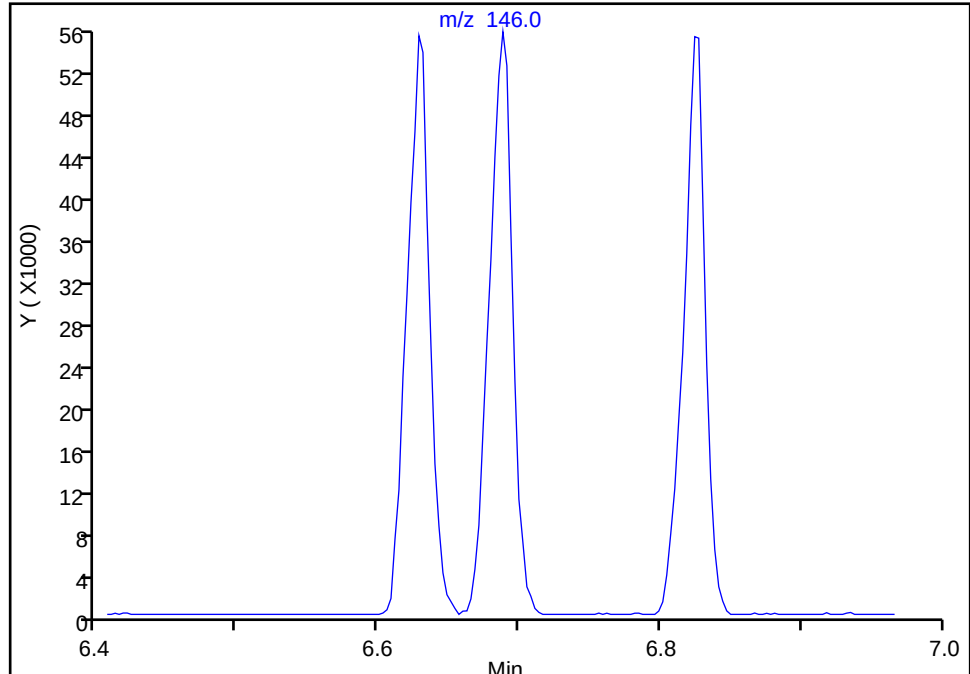
44 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

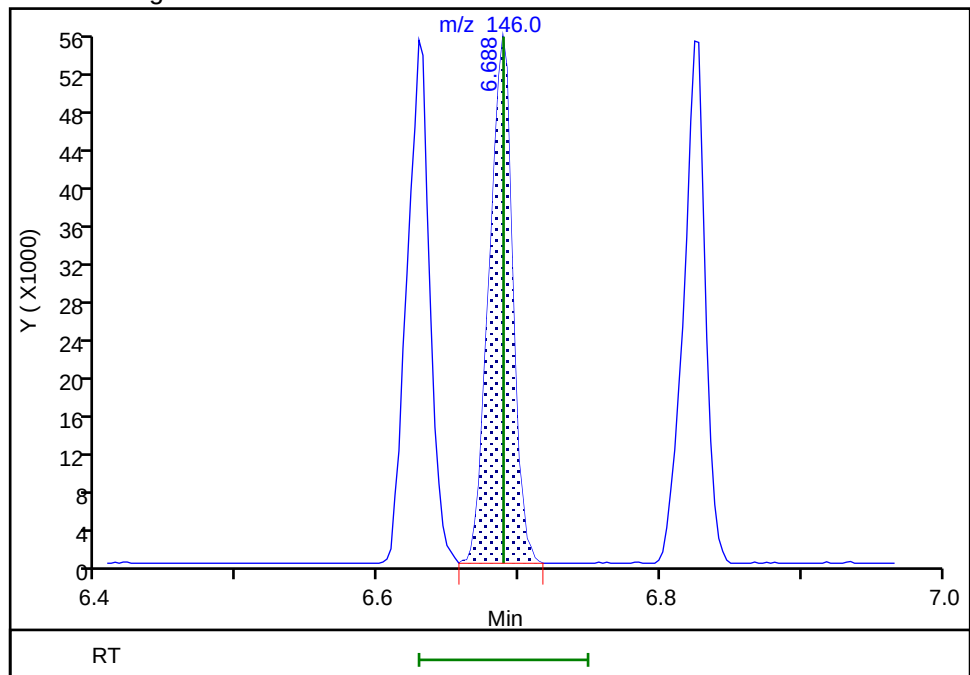
Not Detected

Expected RT: 6.69

Processing Integration Results



Manual Integration Results



RT: 6.69

Area: 64052

Amount: 0.518631

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 16:57:52

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826380.D

Injection Date: 03-Nov-2021 11:11:30

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

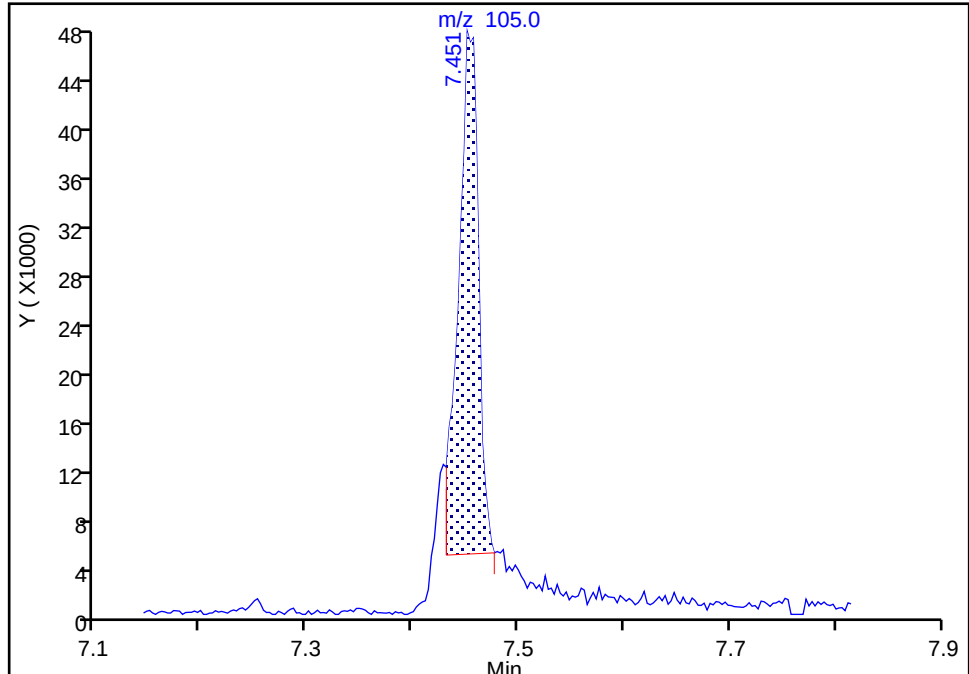
MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

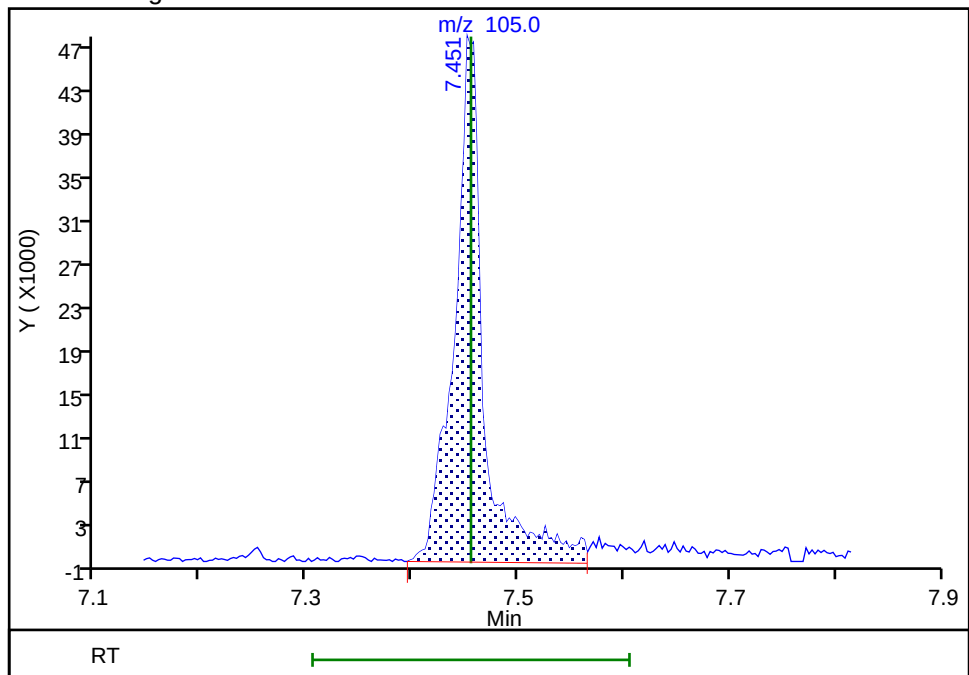
RT: 7.45
Area: 55349
Amount: 4.504368
Amount Units: ng/uL

Processing Integration Results



RT: 7.45
Area: 92494
Amount: 3.426226
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 16:59:36

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826380.D

Injection Date: 03-Nov-2021 11:11:30

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

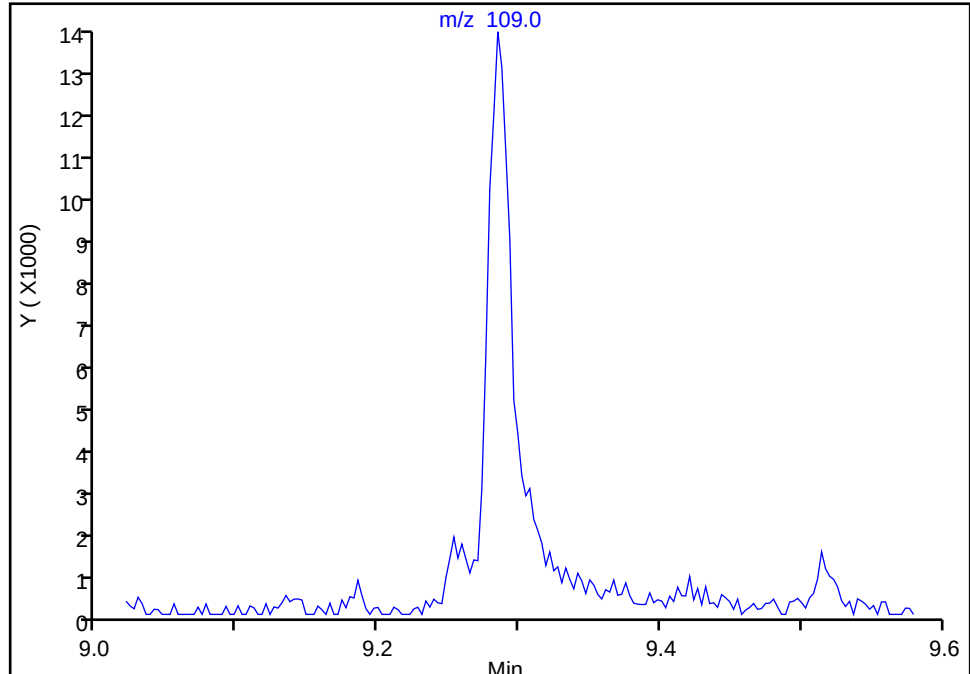
112 4-Nitrophenol, CAS: 100-02-7

Signal: 1

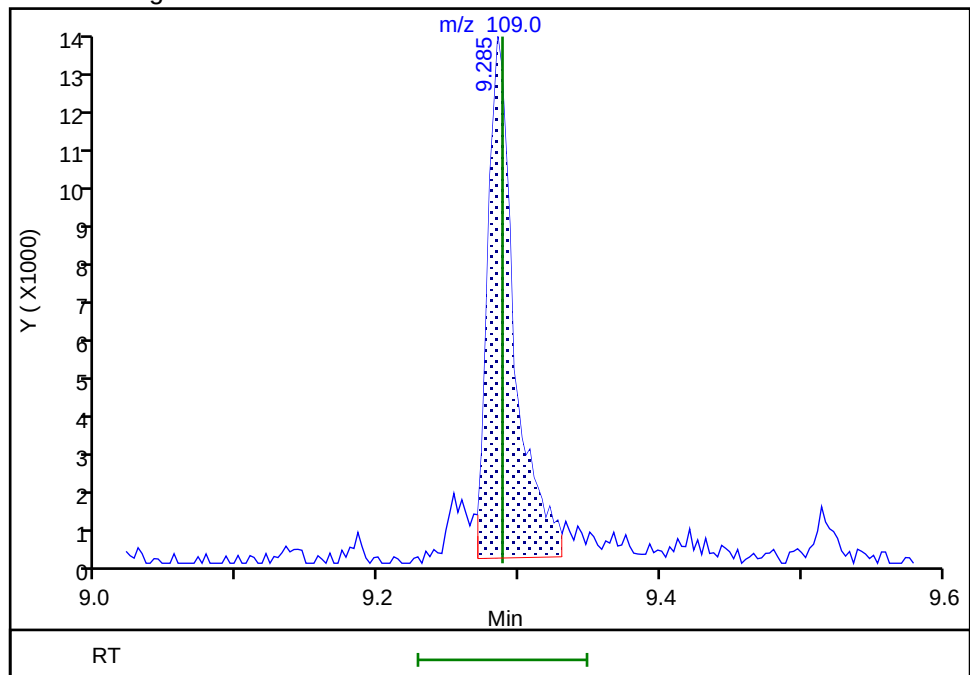
Not Detected

Expected RT: 9.29

Processing Integration Results



Manual Integration Results



RT: 9.28

Area: 17630

Amount: 1.042580

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 16:59:57

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826380.D

Injection Date: 03-Nov-2021 11:11:30

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

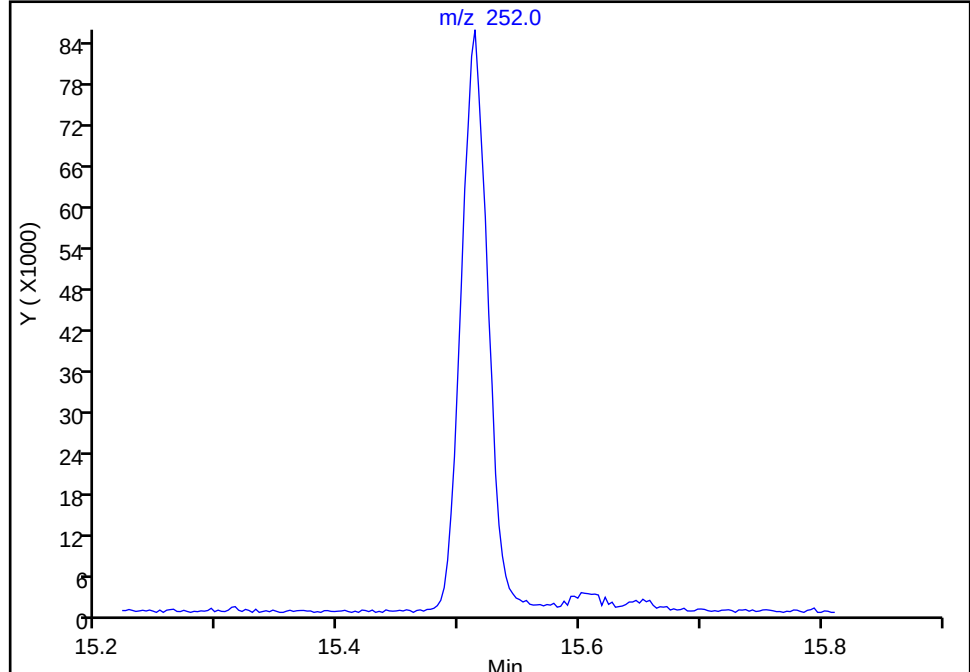
189 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

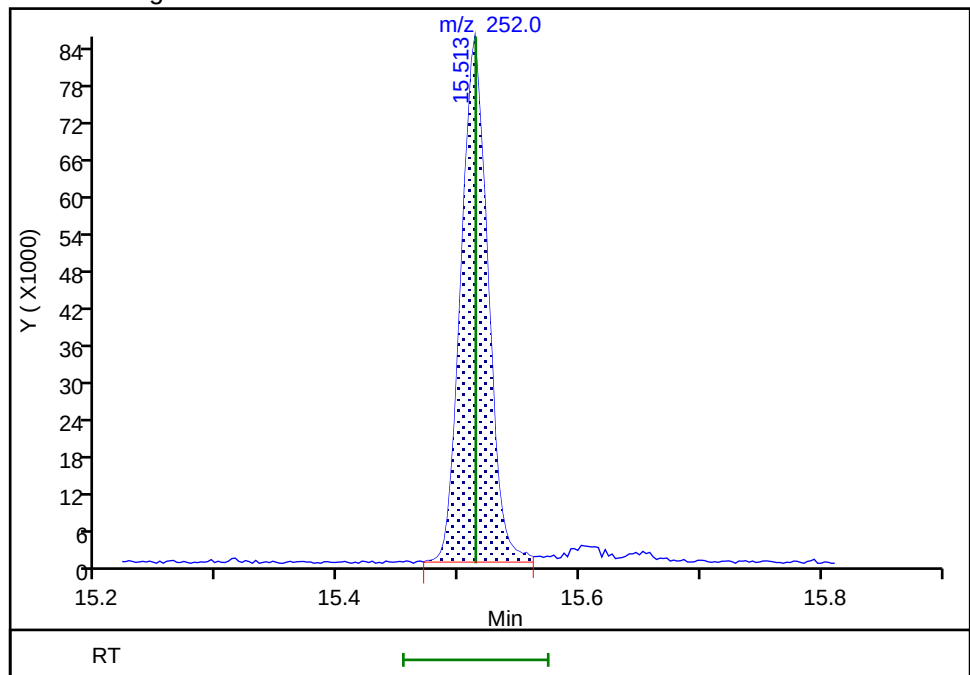
Not Detected

Expected RT: 15.51

Processing Integration Results



Manual Integration Results



RT: 15.51

Area: 132228

Amount: 0.480483

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 17:00:12

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826380.D

Injection Date: 03-Nov-2021 11:11:30

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

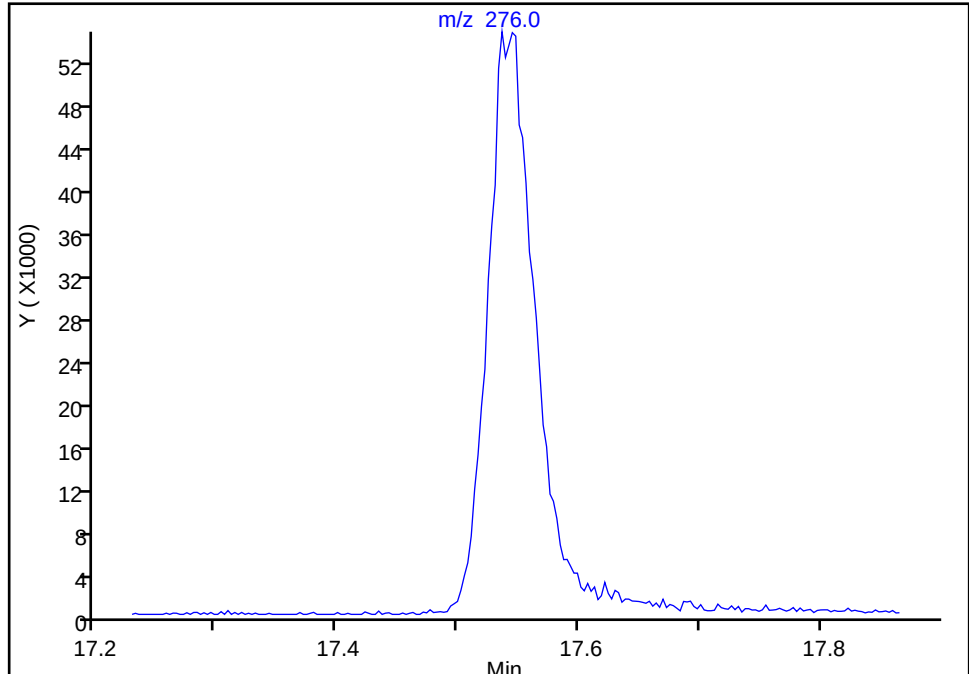
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

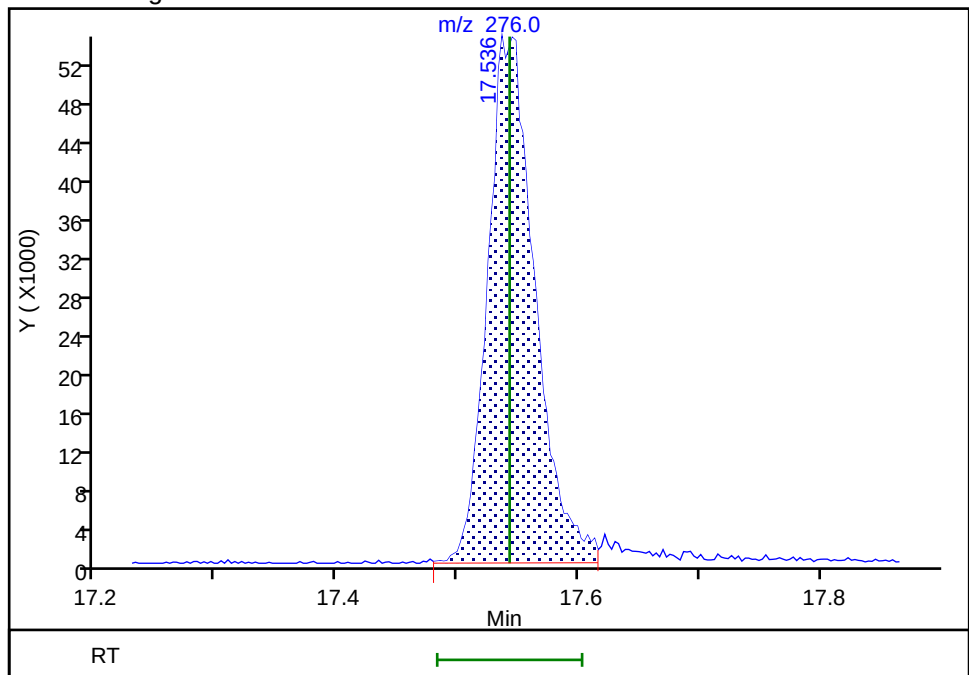
Not Detected

Expected RT: 17.54

Processing Integration Results



Manual Integration Results



RT: 17.54

Area: 148084

Amount: 0.462983

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 17:00:15

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826380.D

Injection Date: 03-Nov-2021 11:11:30

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

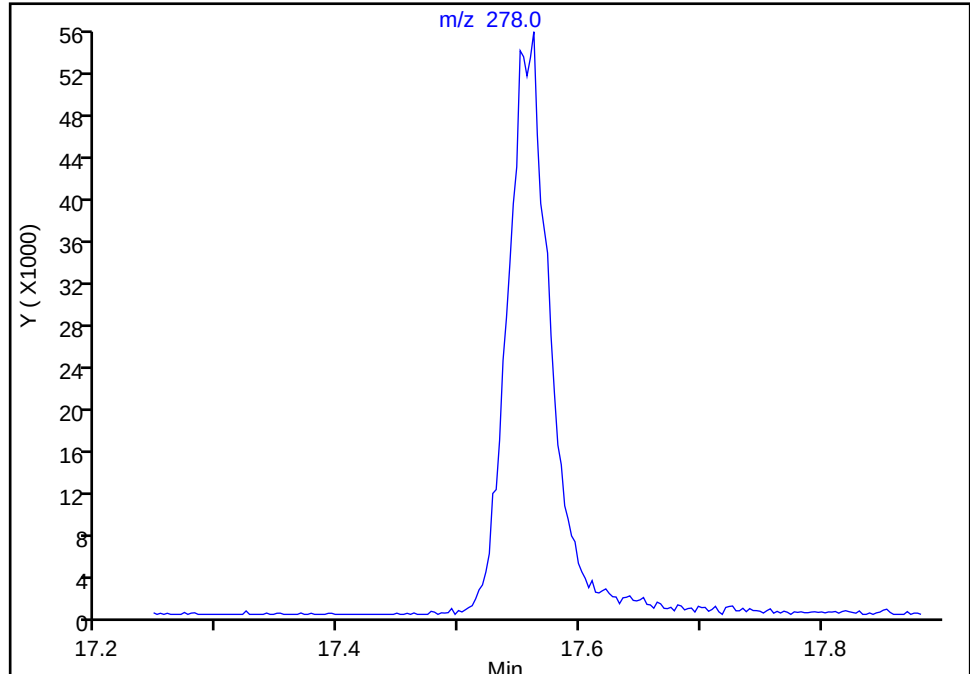
194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

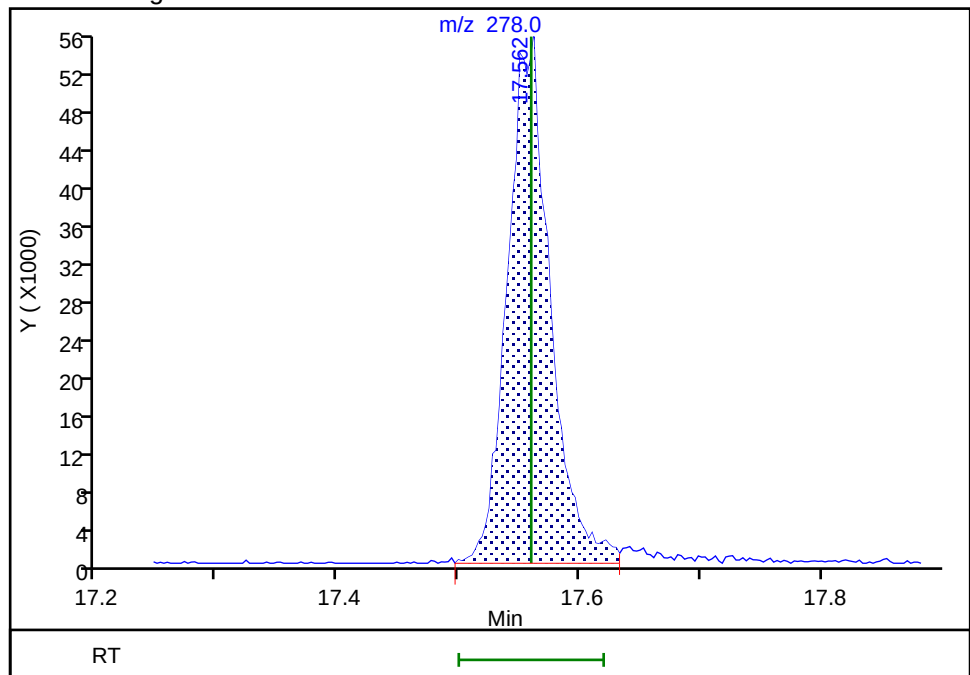
Not Detected

Expected RT: 17.56

Processing Integration Results



Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:00:17

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826381.D
 Lims ID: IC - List 1 - 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 03-Nov-2021 11:38:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-005
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:02:15 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 17:02:14

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	6.674	6.672	0.002	96	315877	4.00	4.00	
* 2 Naphthalene-d8	136	7.764	7.764	0.000	99	1179072	4.00	4.00	
* 3 Acenaphthene-d10	164	9.256	9.254	0.002	92	661610	4.00	4.00	
* 4 Phenanthrene-d10	188	10.516	10.517	-0.001	95	1083729	4.00	4.00	
* 5 Chrysene-d12	240	13.322	13.317	0.005	96	914305	4.00	4.00	
* 6 Perylene-d12	264	15.609	15.607	0.002	96	957988	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.519	5.520	-0.001	94	96134	1.00	0.9785	
\$ 8 Phenol-d5	99	6.313	6.311	0.002	0	120035	1.00	0.99	
\$ 9 Nitrobenzene-d5	82	7.139	7.137	0.002	90	118835	1.00	1.03	
\$ 10 2-Fluorobiphenyl	172	8.652	8.652	0.000	99	220053	1.00	0.9825	
\$ 11 2,4,6-Tribromophenol	330	9.920	9.918	0.002	94	24356	1.00	0.9474	
\$ 12 p-Terphenyl-d14	244	11.943	11.941	0.002	96	233609	1.00	0.9898	
13 1,4-Dioxane	88	3.768	3.772	-0.004	96	41705	1.00	1.05	
14 N-Nitrosodimethylamine	42	4.143	4.143	0.000	89	56818	1.00	1.05	
15 Pyridine	52	4.194	4.192	0.002	91	137566	2.00	1.98	
35 Benzaldehyde	77	6.296	6.294	0.002	93	164551	2.00	2.02	
37 Phenol	94	6.325	6.323	0.002	98	128838	1.00	1.01	
36 Aniline	93	6.382	6.382	0.000	96	156128	1.00	0.9879	
39 Bis(2-chloroethyl)ether	93	6.416	6.416	0.000	94	101013	1.00	1.06	
40 2-Chlorophenol	128	6.492	6.493	-0.001	98	103845	1.00	0.9892	
41 n-Decane	57	6.504	6.504	0.000	93	123495	1.00	1.05	
43 1,3-Dichlorobenzene	146	6.628	6.629	-0.001	98	121619	1.00	1.02	
44 1,4-Dichlorobenzene	146	6.688	6.689	-0.001	95	123306	1.00	1.01	a
45 Benzyl alcohol	108	6.765	6.765	0.000	93	67456	1.00	0.9828	
46 1,2-Dichlorobenzene	146	6.824	6.825	-0.001	97	118650	1.00	1.03	
48 2-Methylphenol	108	6.844	6.845	-0.001	94	95669	1.00	1.00	
49 2,2'-oxybis[1-chloropropane]	45	6.875	6.876	-0.001	91	159152	1.00	1.04	
47 Indene	115	6.901	6.899	0.002	90	987353	5.00	5.38	
57 4-Methylphenol	108	6.969	6.967	0.002	97	98920	1.00	1.04	
53 N-Nitrosodi-n-propylamine	70	6.986	6.984	0.002	91	71985	1.00	1.05	
52 Acetophenone	105	7.000	7.001	-0.001	95	134391	1.00	1.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.119	7.120	-0.001	97	48281	1.00	1.01	
59 Nitrobenzene	77	7.156	7.154	0.002	88	104742	1.00	1.05	
62 Isophorone	82	7.346	7.344	0.002	99	186971	1.00	1.02	
64 2-Nitrophenol	139	7.426	7.424	0.002	93	49642	1.00	1.00	
66 2,4-Dimethylphenol	107	7.423	7.424	-0.001	93	102757	1.00	1.08	
70 Benzoic acid	105	7.468	7.455	0.013	89	211935	5.00	5.25	M
69 Bis(2-chloroethoxy)methane	93	7.502	7.500	0.002	97	118868	1.00	1.07	
72 2,4-Dichlorophenol	162	7.624	7.622	0.002	93	83237	1.00	1.03	
73 1,2,4-Trichlorobenzene	180	7.707	7.707	0.000	93	90642	1.00	1.02	
74 Naphthalene	128	7.783	7.781	0.002	98	322436	1.00	1.05	
76 4-Chloroaniline	127	7.800	7.801	-0.001	97	108242	1.00	1.02	
77 2,6-Dichlorophenol	162	7.815	7.815	0.000	97	73575	1.00	0.9433	
79 Hexachlorobutadiene	225	7.874	7.875	-0.001	97	52773	1.00	1.01	
84 Caprolactam	113	8.070	8.065	0.005	77	52605	2.00	2.01	
85 4-Chloro-3-methylphenol	107	8.181	8.179	0.002	97	79662	1.00	1.02	
87 2-Methylnaphthalene	142	8.362	8.360	0.002	94	209222	1.00	1.05	
89 1-Methylnaphthalene	142	8.450	8.451	-0.001	93	193943	1.00	1.03	
90 Hexachlorocyclopentadiene	237	8.496	8.496	0.000	95	59523	1.00	1.01	
91 1,2,4,5-Tetrachlorobenzene	216	8.507	8.505	0.002	96	93458	1.00	0.99	
93 2,4,6-Trichlorophenol	196	8.586	8.584	0.002	93	57386	1.00	0.9712	
94 2,4,5-Trichlorophenol	196	8.618	8.618	0.000	96	51096	1.00	0.9245	
96 1,1'-Biphenyl	154	8.745	8.743	0.002	96	245187	1.00	0.9851	
97 2-Chloronaphthalene	162	8.779	8.780	-0.001	97	178203	1.00	0.9587	
100 2-Nitroaniline	65	8.842	8.840	0.002	84	44476	1.00	0.8747	
105 Dimethyl phthalate	163	8.964	8.962	0.002	98	179689	1.00	0.9278	
106 1,3-Dinitrobenzene	168	9.006	9.004	0.002	88	22354	1.00	0.8916	
107 2,6-Dinitrotoluene	165	9.029	9.027	0.002	94	44766	1.00	0.99	
108 Acenaphthylene	152	9.137	9.138	-0.001	98	294944	1.00	0.9674	
109 3-Nitroaniline	138	9.182	9.180	0.002	96	48002	1.00	0.99	
111 2,4-Dinitrophenol	184	9.265	9.268	-0.003	79	23985	2.00	2.08	a
110 Acenaphthene	153	9.284	9.282	0.002	96	195934	1.00	0.9725	
112 4-Nitrophenol	109	9.284	9.288	-0.004	90	37842	2.00	1.82	
114 2,4-Dinitrotoluene	165	9.372	9.373	-0.001	95	48866	1.00	0.8987	
115 Dibenzofuran	168	9.424	9.424	0.000	97	258572	1.00	0.9829	
118 2,3,4,6-Tetrachlorophenol	232	9.517	9.515	0.002	72	39074	1.00	0.9427	
121 Hexadecane	57	9.546	9.546	0.000	93	133795	1.00	0.9562	
120 Diethyl phthalate	149	9.551	9.549	0.002	98	215269	1.00	1.03	
123 4-Chlorophenyl phenyl ether	204	9.687	9.685	0.002	91	99347	1.00	0.9587	
126 4-Nitroaniline	138	9.699	9.697	0.002	90	47281	1.00	0.9553	
124 Fluorene	166	9.716	9.714	0.002	92	193922	1.00	0.9181	
127 4,6-Dinitro-2-methylphenol	198	9.721	9.725	-0.004	88	36113	2.00	1.74	
129 Diphenylamine	169	9.778	9.779	-0.001	93	145622	0.8550	0.8517	
130 N-Nitrosodiphenylamine	169	9.778	9.779	-0.001	65	145622	1.00	1.00	
131 1,2-Diphenylhydrazine	77	9.821	9.821	0.000	41	208346	1.00	1.00	
132 Azobenzene	77	9.821	9.821	0.000	100	208346	1.00	1.00	
139 4-Bromophenyl phenyl ether	248	10.105	10.105	0.000	67	56249	1.00	0.9656	
140 Hexachlorobenzene	284	10.192	10.190	0.002	79	63469	1.00	0.9585	
143 Atrazine	200	10.192	10.193	-0.001	91	110035	2.00	1.98	
148 n-Octadecane	57	10.317	10.315	0.002	94	133861	1.00	0.9896	
145 Pentachlorophenol	266	10.343	10.344	-0.001	92	51904	2.00	1.90	
151 Phenanthrene	178	10.539	10.537	0.002	97	285654	1.00	0.9897	
152 Anthracene	178	10.581	10.579	0.002	97	285611	1.00	1.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.695	10.693	0.002	96	265436	1.00	1.04	
157 Di-n-butyl phthalate	149	10.919	10.920	-0.001	100	336200	1.00	1.00	
164 Fluoranthene	202	11.603	11.601	0.002	98	300921	1.00	1.01	
166 Benzidine	184	11.682	11.683	-0.001	99	312552	2.00	2.01	
167 Pyrene	202	11.844	11.845	-0.001	96	316650	1.00	1.03	
174 Butyl benzyl phthalate	149	12.457	12.452	0.005	96	139943	1.00	0.9769	
181 Bis(2-ethylhexyl) phthalate	149	13.186	13.187	-0.001	96	197076	1.00	0.9529	
179 3,3'-Dichlorobenzidine	252	13.217	13.218	-0.001	74	216210	2.00	1.92	
180 Benzo[a]anthracene	228	13.303	13.303	-0.001	99	292644	1.00	1.02	
182 Chrysene	228	13.359	13.357	0.002	97	279269	1.00	1.01	
184 Di-n-octyl phthalate	149	14.171	14.172	-0.001	99	330254	1.00	0.9506	
186 Benzo[b]fluoranthene	252	14.968	14.966	0.002	98	279374	1.00	0.9881	
187 Benzo[k]fluoranthene	252	15.011	15.009	0.002	98	295191	1.00	1.02	
189 Benzo[a]pyrene	252	15.510	15.514	-0.004	83	273863	1.00	1.01	
193 Indeno[1,2,3-cd]pyrene	276	17.539	17.543	-0.004	80	308302	1.00	0.9604	
194 Dibenz(a,h)anthracene	278	17.559	17.560	-0.001	95	270332	1.00	0.9612	
195 Benzo[g,h,i]perylene	276	18.126	18.127	-0.001	96	258085	1.00	0.99	Ma
S 261 Total Cresols	1				0			2.04	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826381.D

Injection Date: 03-Nov-2021 11:38:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 1

Worklist Smp#: 5

Client ID:

Injection Vol: 2.0 ul

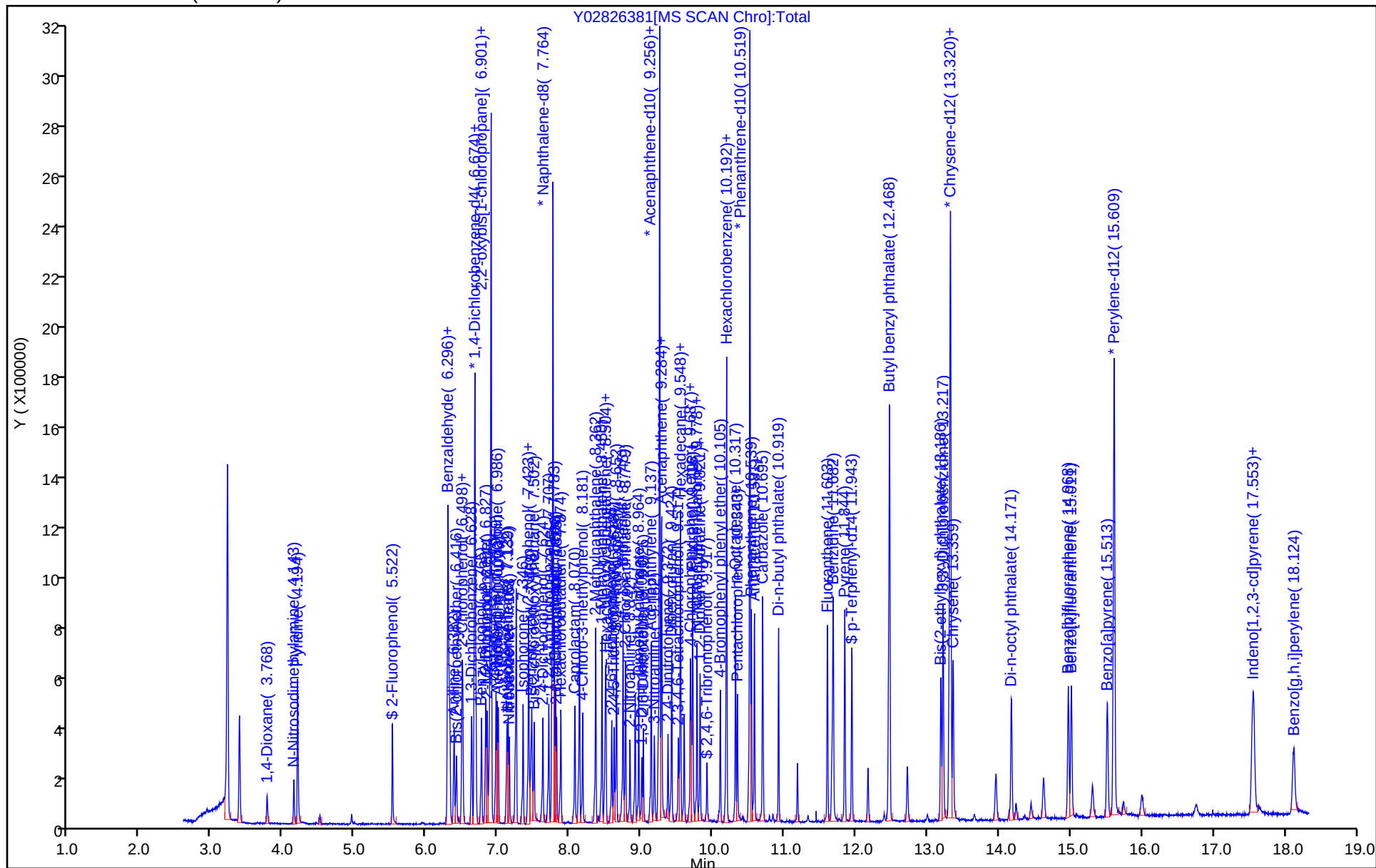
Dil. Factor: 1.0000

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\20211103-102124.b\Y02826381.D

Injection Date: 03-Nov-2021 11:38:30

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

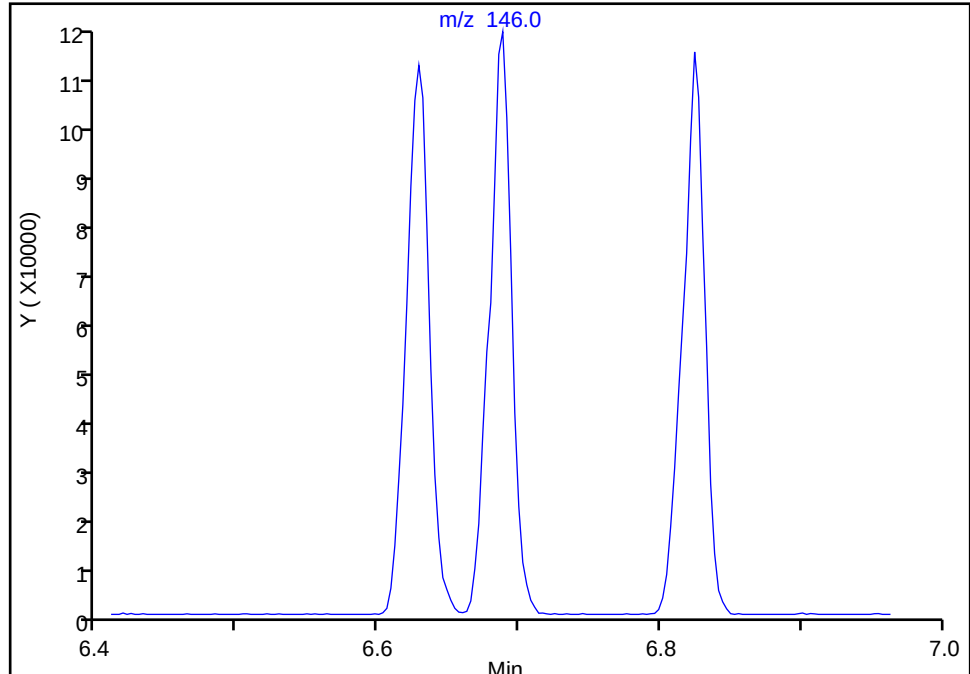
44 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

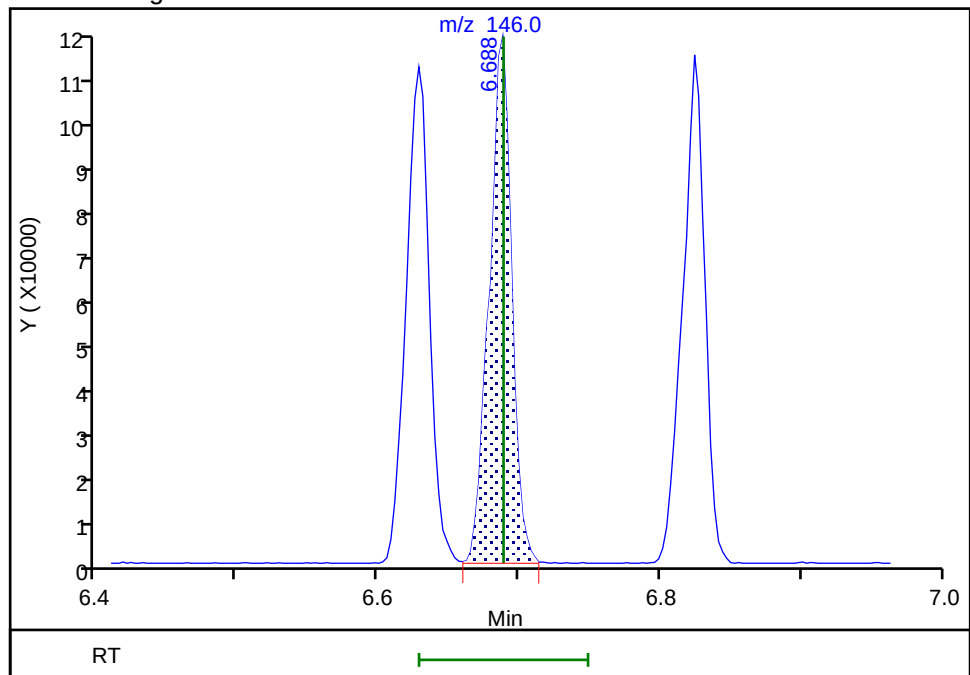
Not Detected

Expected RT: 6.69

Processing Integration Results



Manual Integration Results



RT: 6.69
Area: 123306
Amount: 1.011944
Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 17:01:17

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826381.D

Injection Date: 03-Nov-2021 11:38:30

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)

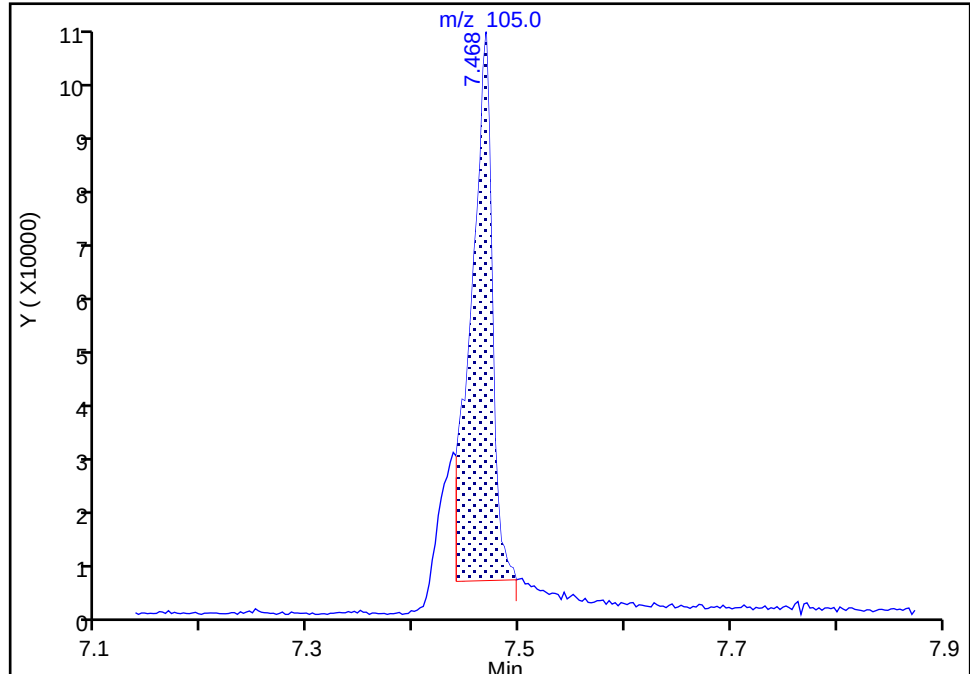
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

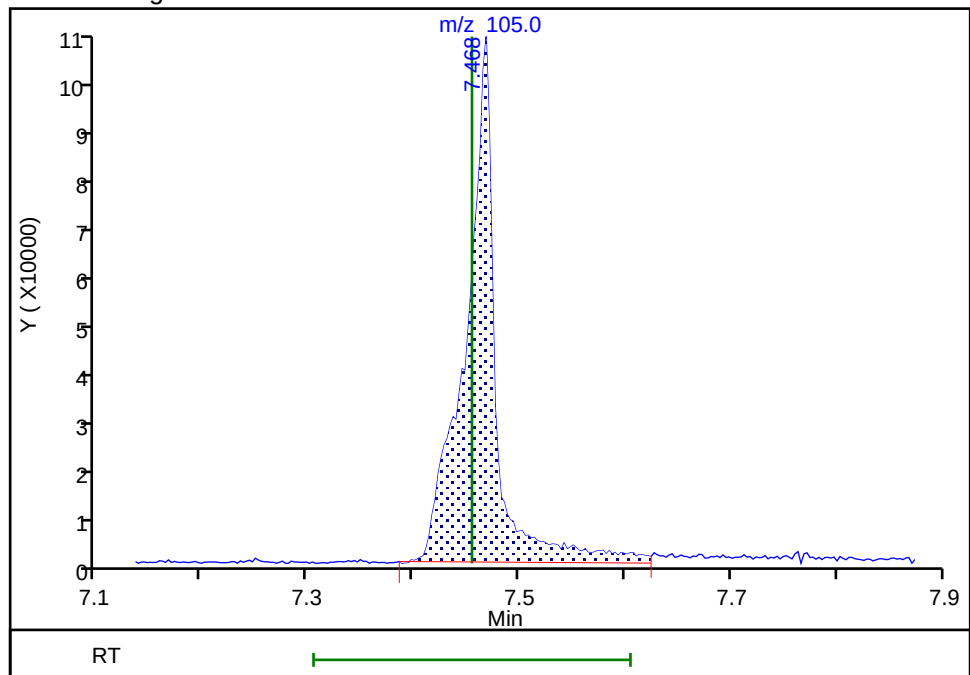
RT: 7.47
Area: 137574
Amount: 9.975905
Amount Units: ng/uL

Processing Integration Results



RT: 7.47
Area: 211935
Amount: 5.247772
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:01:48

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826381.D

Injection Date: 03-Nov-2021 11:38:30

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

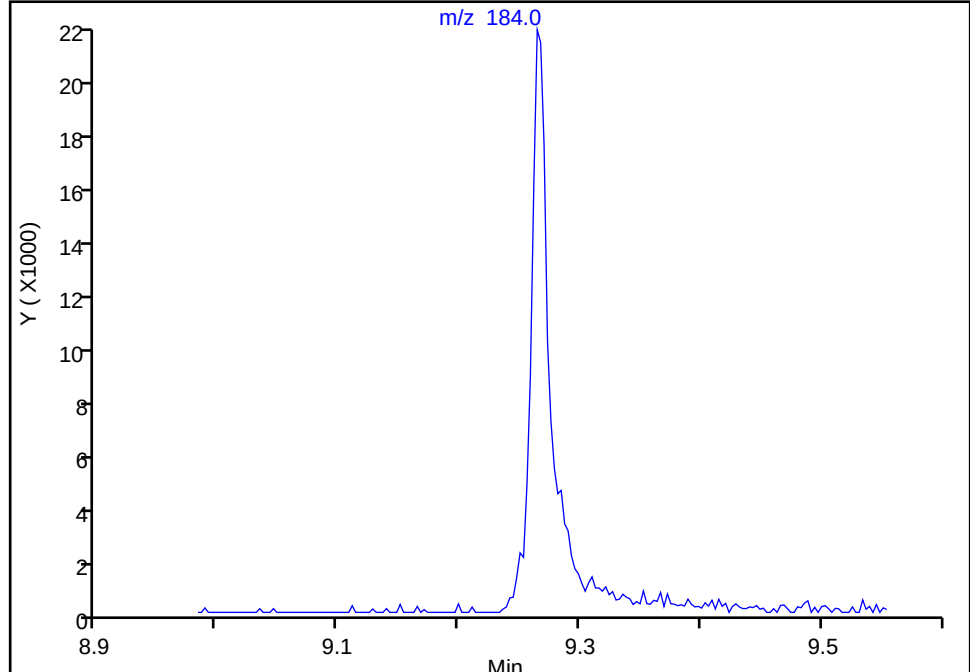
111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

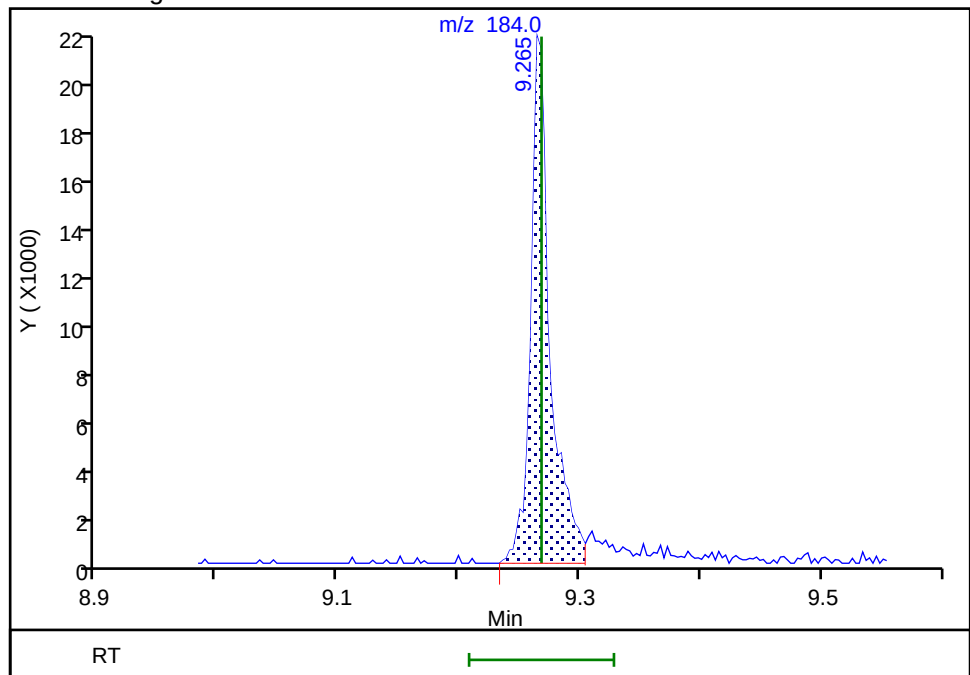
Not Detected

Expected RT: 9.27

Processing Integration Results



Manual Integration Results



RT: 9.26

Area: 23985

Amount: 2.080419

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 17:01:12

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826381.D

Injection Date: 03-Nov-2021 11:38:30

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

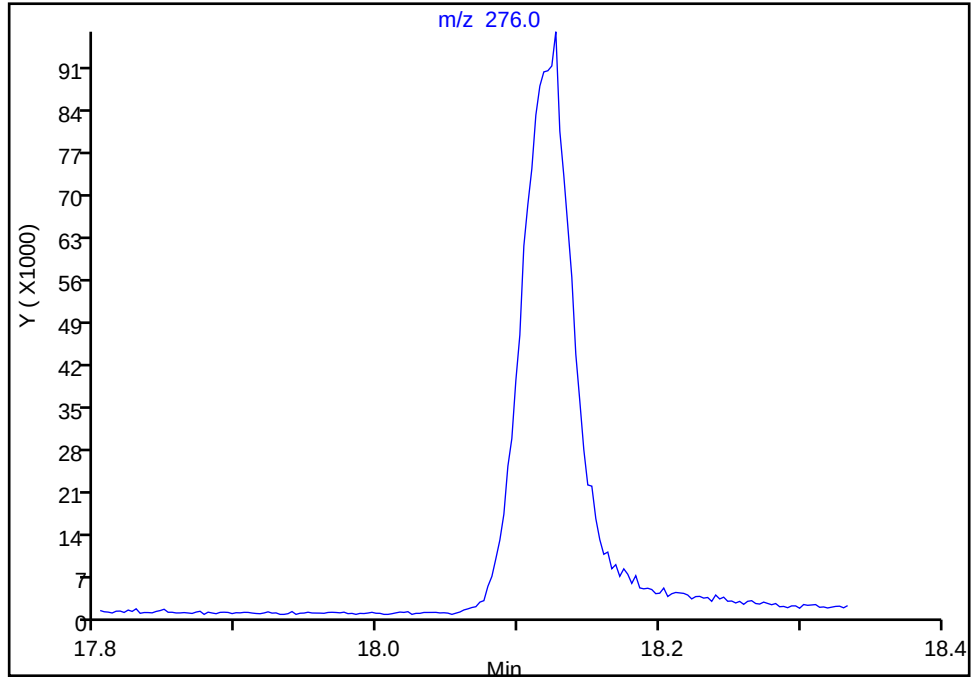
195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

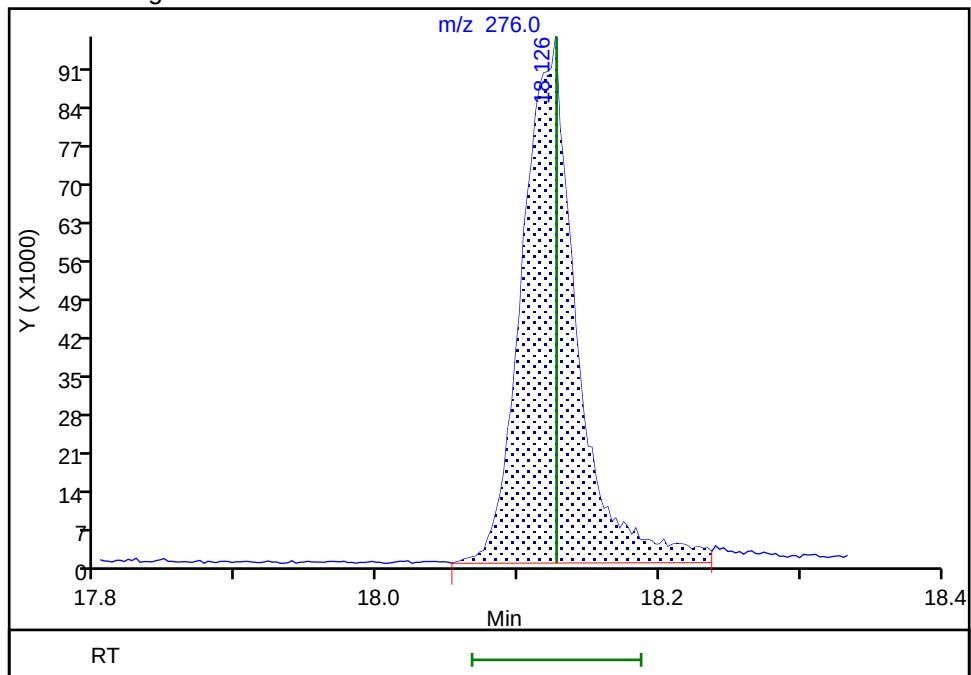
Not Detected

Expected RT: 18.13

Processing Integration Results



Manual Integration Results



RT: 18.13

Area: 258085

Amount: 0.991479

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 17:01:07

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826382.D
 Lims ID: IC - List 1 - 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 03-Nov-2021 12:05:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-006
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:02:23 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 17:03:19

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	6.675	6.672	0.002	96	324154	4.00	4.00	
* 2 Naphthalene-d8	136	7.764	7.764	0.000	99	1240038	4.00	4.00	
* 3 Acenaphthene-d10	164	9.254	9.254	0.000	93	637946	4.00	4.00	
* 4 Phenanthrene-d10	188	10.517	10.517	0.000	95	1104073	4.00	4.00	
* 5 Chrysene-d12	240	13.320	13.317	0.003	96	943123	4.00	4.00	
* 6 Perylene-d12	264	15.607	15.607	0.000	96	1008918	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.522	5.520	0.002	94	203210	2.00	2.02	
\$ 8 Phenol-d5	99	6.314	6.311	0.003	0	251589	2.00	2.03	
\$ 9 Nitrobenzene-d5	82	7.140	7.137	0.003	90	243057	2.00	2.01	
\$ 10 2-Fluorobiphenyl	172	8.652	8.652	0.000	98	451190	2.00	2.09	
\$ 11 2,4,6-Tribromophenol	330	9.918	9.918	0.000	95	54082	2.00	1.94	
\$ 12 p-Terphenyl-d14	244	11.944	11.941	0.003	96	497297	2.00	2.04	
13 1,4-Dioxane	88	3.769	3.772	-0.003	98	83804	2.00	2.06	
14 N-Nitrosodimethylamine	42	4.143	4.143	0.000	92	112314	2.00	2.02	
15 Pyridine	52	4.194	4.192	0.002	92	294478	4.00	4.13	
35 Benzaldehyde	77	6.297	6.294	0.003	96	356048	4.00	4.43	
37 Phenol	94	6.325	6.323	0.002	97	272410	2.00	2.08	
36 Aniline	93	6.385	6.382	0.003	97	328514	2.00	2.03	
39 Bis(2-chloroethyl)ether	93	6.416	6.416	0.000	95	207977	2.00	2.13	
40 2-Chlorophenol	128	6.493	6.493	0.000	97	222881	2.00	2.07	
41 n-Decane	57	6.501	6.504	-0.003	94	247376	2.00	2.05	
43 1,3-Dichlorobenzene	146	6.629	6.629	0.000	97	247208	2.00	2.02	
44 1,4-Dichlorobenzene	146	6.689	6.689	0.000	94	255462	2.00	2.04	
45 Benzyl alcohol	108	6.768	6.765	0.003	92	141594	2.00	2.01	
46 1,2-Dichlorobenzene	146	6.825	6.825	0.000	97	242586	2.00	2.05	
48 2-Methylphenol	108	6.845	6.845	0.000	95	201616	2.00	2.05	
49 2,2'-oxybis[1-chloropropane]	45	6.876	6.876	0.000	93	326777	2.00	2.09	
47 Indene	115	6.902	6.899	0.003	90	1964655	10.0	10.4	
57 4-Methylphenol	108	6.970	6.967	0.003	96	208981	2.00	2.14	
53 N-Nitrosodi-n-propylamine	70	6.987	6.984	0.003	92	149722	2.00	2.13	
52 Acetophenone	105	7.001	7.001	0.000	95	287165	2.00	2.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.123	7.120	0.003	96	99444	2.00	2.04	
59 Nitrobenzene	77	7.154	7.154	0.000	89	220337	2.00	2.10	
62 Isophorone	82	7.347	7.344	0.003	99	393848	2.00	2.10	
64 2-Nitrophenol	139	7.426	7.424	0.002	90	105025	2.00	1.94	
66 2,4-Dimethylphenol	107	7.424	7.424	0.000	88	207482	2.00	2.02	
70 Benzoic acid	105	7.489	7.455	0.034	88	509743	10.0	9.27	M
69 Bis(2-chloroethoxy)methane	93	7.503	7.500	0.003	96	242846	2.00	2.13	
72 2,4-Dichlorophenol	162	7.625	7.622	0.003	94	170343	2.00	2.01	
73 1,2,4-Trichlorobenzene	180	7.707	7.707	0.000	94	190722	2.00	2.05	
74 Naphthalene	128	7.784	7.781	0.003	98	662406	2.00	2.06	
76 4-Chloroaniline	127	7.801	7.801	0.000	96	226935	2.00	2.03	
77 2,6-Dichlorophenol	162	7.818	7.815	0.003	97	171019	2.00	2.08	
79 Hexachlorobutadiene	225	7.875	7.875	0.000	97	109173	2.00	1.98	
84 Caprolactam	113	8.082	8.065	0.017	77	116611	4.00	4.06	
85 4-Chloro-3-methylphenol	107	8.181	8.179	0.002	95	166564	2.00	2.04	
87 2-Methylnaphthalene	142	8.363	8.360	0.003	93	440353	2.00	2.09	
89 1-Methylnaphthalene	142	8.451	8.451	0.000	92	408818	2.00	2.06	
90 Hexachlorocyclopentadiene	237	8.496	8.496	0.000	95	123775	2.00	2.06	
91 1,2,4,5-Tetrachlorobenzene	216	8.505	8.505	0.000	97	175475	2.00	1.93	
93 2,4,6-Trichlorophenol	196	8.587	8.584	0.003	93	126637	2.00	2.08	
94 2,4,5-Trichlorophenol	196	8.621	8.618	0.003	95	122061	2.00	2.17	
96 1,1'-Biphenyl	154	8.746	8.743	0.003	95	527836	2.00	2.20	
97 2-Chloronaphthalene	162	8.780	8.780	0.000	97	356832	2.00	1.99	
100 2-Nitroaniline	65	8.842	8.840	0.002	86	110241	2.00	2.11	
105 Dimethyl phthalate	163	8.964	8.962	0.002	98	415343	2.00	2.22	
106 1,3-Dinitrobenzene	168	9.007	9.004	0.003	84	57134	2.00	1.96	
107 2,6-Dinitrotoluene	165	9.027	9.027	0.000	95	92627	2.00	2.05	
108 Acenaphthylene	152	9.138	9.138	0.000	98	628902	2.00	2.14	
109 3-Nitroaniline	138	9.183	9.180	0.003	95	103217	2.00	2.13	
111 2,4-Dinitrophenol	184	9.268	9.268	0.000	80	68302	4.00	3.82	a
110 Acenaphthene	153	9.282	9.282	0.000	96	421121	2.00	2.17	
112 4-Nitrophenol	109	9.285	9.288	-0.003	93	93843	4.00	4.11	
114 2,4-Dinitrotoluene	165	9.373	9.373	0.000	94	122760	2.00	2.12	
115 Dibenzofuran	168	9.424	9.424	0.000	97	556649	2.00	2.19	
118 2,3,4,6-Tetrachlorophenol	232	9.515	9.515	0.000	73	88553	2.00	1.97	
121 Hexadecane	57	9.546	9.546	0.000	93	288878	2.00	2.14	
120 Diethyl phthalate	149	9.549	9.549	0.000	98	411976	2.00	2.04	
123 4-Chlorophenyl phenyl ether	204	9.685	9.685	0.000	93	211319	2.00	2.11	
126 4-Nitroaniline	138	9.699	9.697	0.002	86	101946	2.00	2.07	
124 Fluorene	166	9.716	9.714	0.002	93	448809	2.00	2.20	
127 4,6-Dinitro-2-methylphenol	198	9.725	9.725	0.000	86	100787	4.00	3.80	
129 Diphenylamine	169	9.779	9.779	0.000	92	309011	1.71	1.77	
130 N-Nitrosodiphenylamine	169	9.779	9.779	0.000	65	309011	2.00	2.07	
131 1,2-Diphenylhydrazine	77	9.821	9.821	0.000	41	448665	2.00	2.12	
132 Azobenzene	77	9.821	9.821	0.000	99	448665	2.00	2.12	
139 4-Bromophenyl phenyl ether	248	10.105	10.105	0.000	67	121570	2.00	2.05	
140 Hexachlorobenzene	284	10.193	10.190	0.003	94	141298	2.00	2.09	
143 Atrazine	200	10.196	10.193	0.003	91	232229	4.00	4.32	
148 n-Octadecane	57	10.315	10.315	0.000	93	291034	2.00	2.11	
145 Pentachlorophenol	266	10.344	10.344	0.000	93	131118	4.00	4.09	
151 Phenanthrene	178	10.536	10.537	-0.001	96	606946	2.00	2.06	
152 Anthracene	178	10.582	10.579	0.003	97	605344	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	10.695	10.693	0.002	96	529024	2.00	2.03	
157 Di-n-butyl phthalate	149	10.920	10.920	0.000	100	734018	2.00	2.15	
164 Fluoranthene	202	11.601	11.601	0.000	99	640108	2.00	2.12	
166 Benzidine	184	11.683	11.683	0.000	99	654494	4.00	4.07	
167 Pyrene	202	11.845	11.845	0.000	96	659917	2.00	2.09	
174 Butyl benzyl phthalate	149	12.455	12.452	0.003	98	288969	2.00	1.96	
181 Bis(2-ethylhexyl) phthalate	149	13.187	13.187	0.000	96	426153	2.00	2.00	
179 3,3'-Dichlorobenzidine	252	13.221	13.218	0.003	74	477118	4.00	4.10	
180 Benzo[a]anthracene	228	13.306	13.303	0.003	99	592050	2.00	1.99	
182 Chrysene	228	13.360	13.357	0.003	97	571475	2.00	2.01	
184 Di-n-octyl phthalate	149	14.174	14.172	0.002	99	730525	2.00	2.04	
186 Benzo[b]fluoranthene	252	14.966	14.966	0.000	98	600973	2.00	2.02	
187 Benzo[k]fluoranthene	252	15.011	15.009	0.002	97	606372	2.00	1.99	
189 Benzo[a]pyrene	252	15.516	15.514	0.002	80	570781	2.00	1.99	
193 Indeno[1,2,3-cd]pyrene	276	17.548	17.543	0.005	95	682660	2.00	2.00	
194 Dibenz(a,h)anthracene	278	17.562	17.560	0.002	94	601383	2.00	2.03	
195 Benzo[g,h,i]perylene	276	18.124	18.127	-0.003	94	544136	2.00	1.98	
S 261 Total Cresols	1				0			4.19	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

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

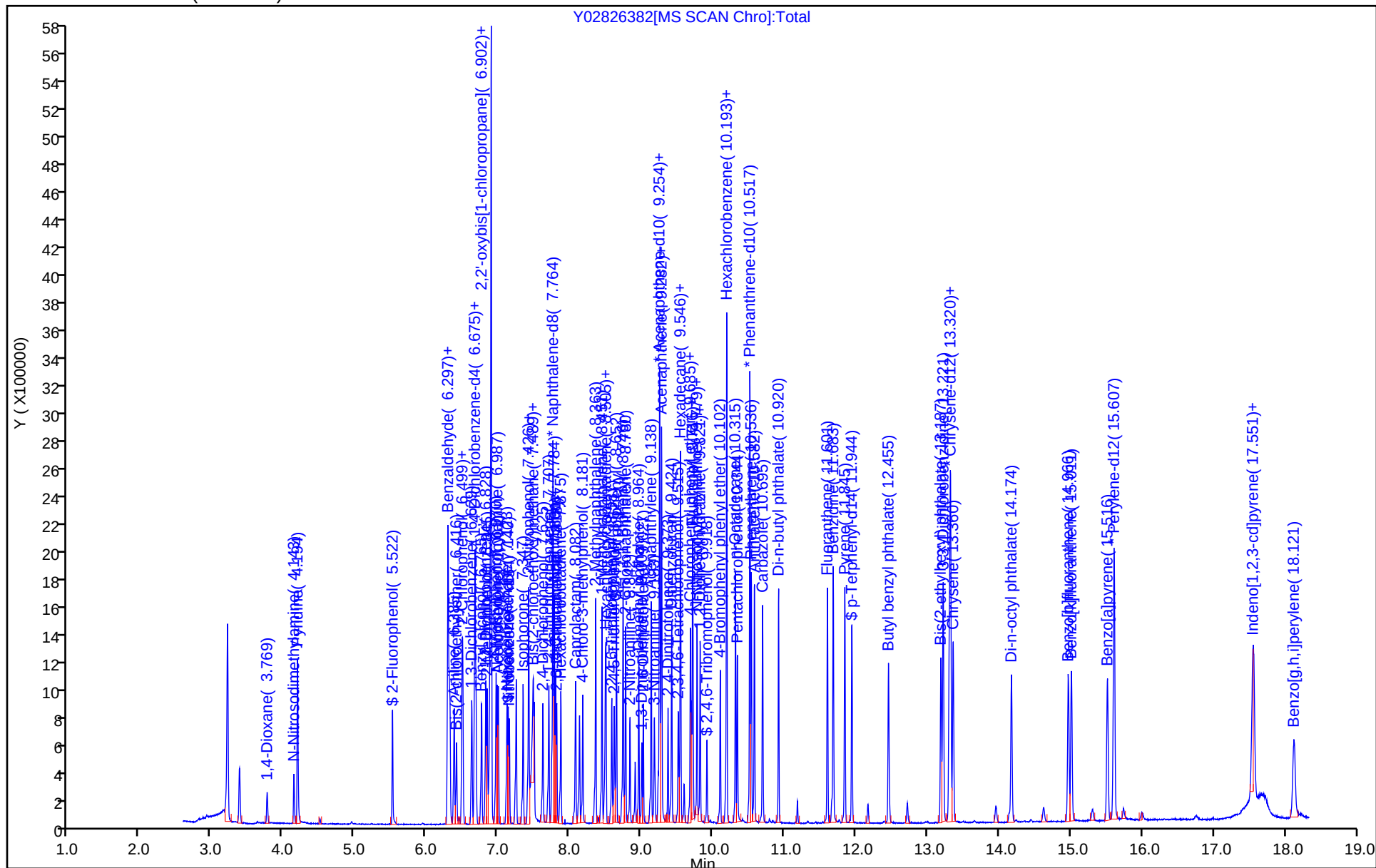
Operator ID: JM

Worklist Smp#: 6

ALS Bottle#: 6

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826382.D

Injection Date: 03-Nov-2021 12:05:30

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)

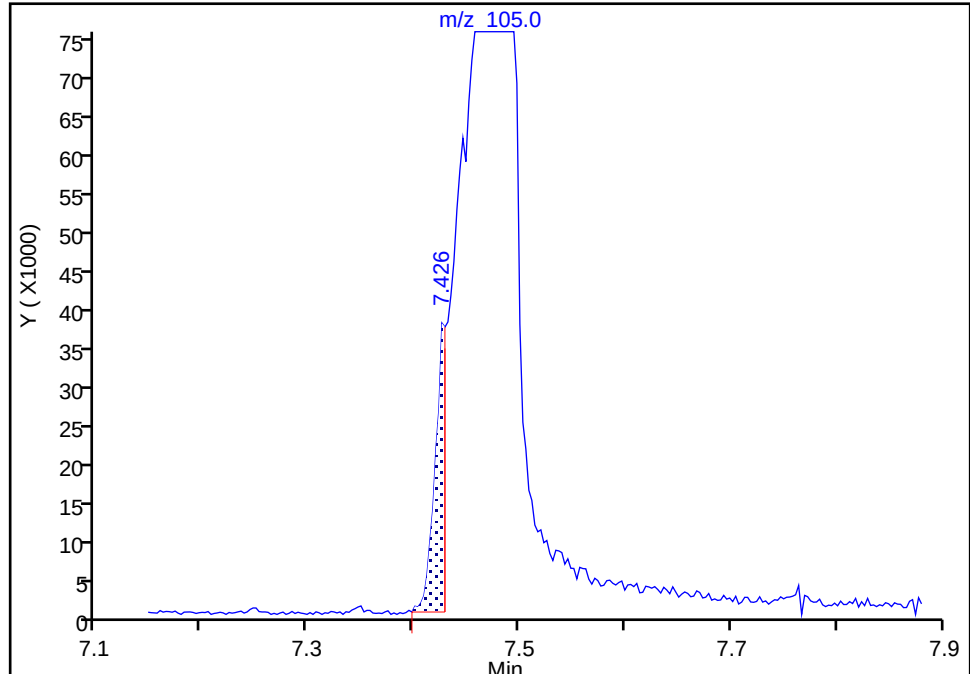
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

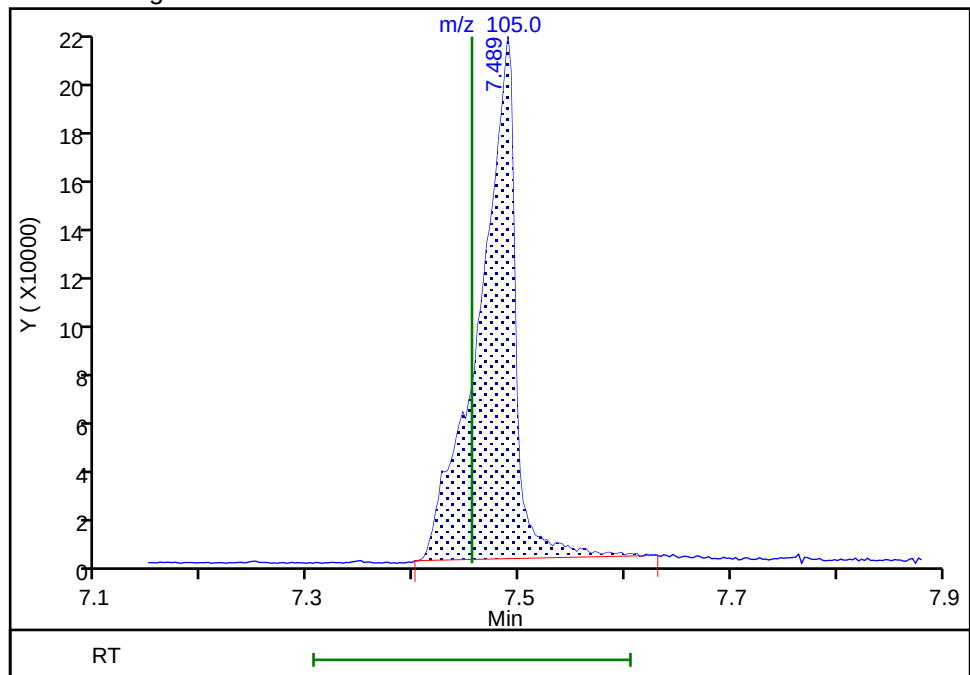
RT: 7.43
Area: 26350
Amount: 1.574248
Amount Units: ng/uL

Processing Integration Results



RT: 7.49
Area: 509743
Amount: 9.273245
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:02:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826382.D

Injection Date: 03-Nov-2021 12:05:30

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

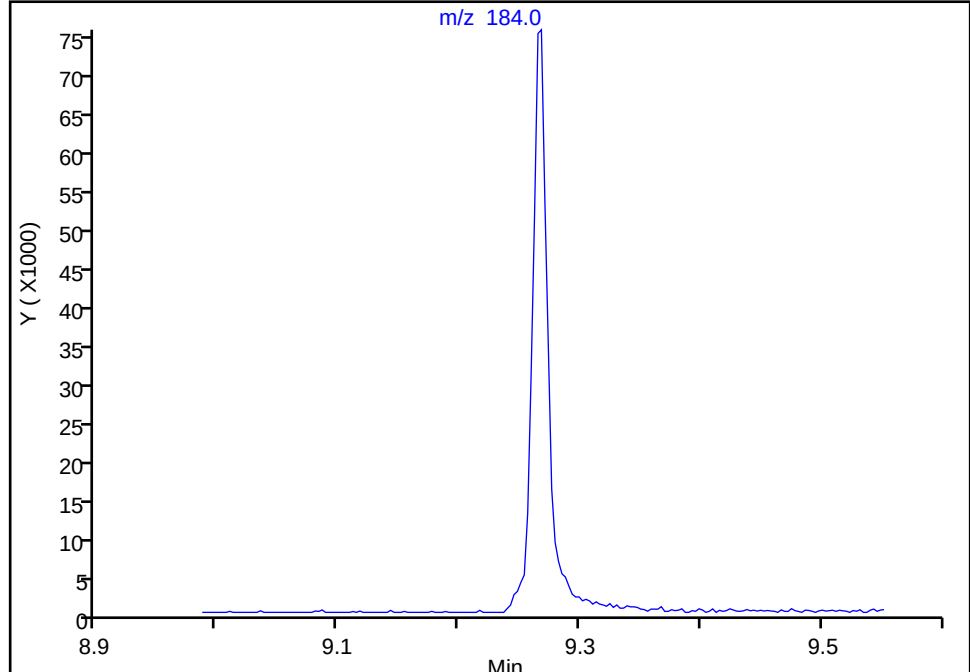
111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

Not Detected

Expected RT: 9.27

Processing Integration Results



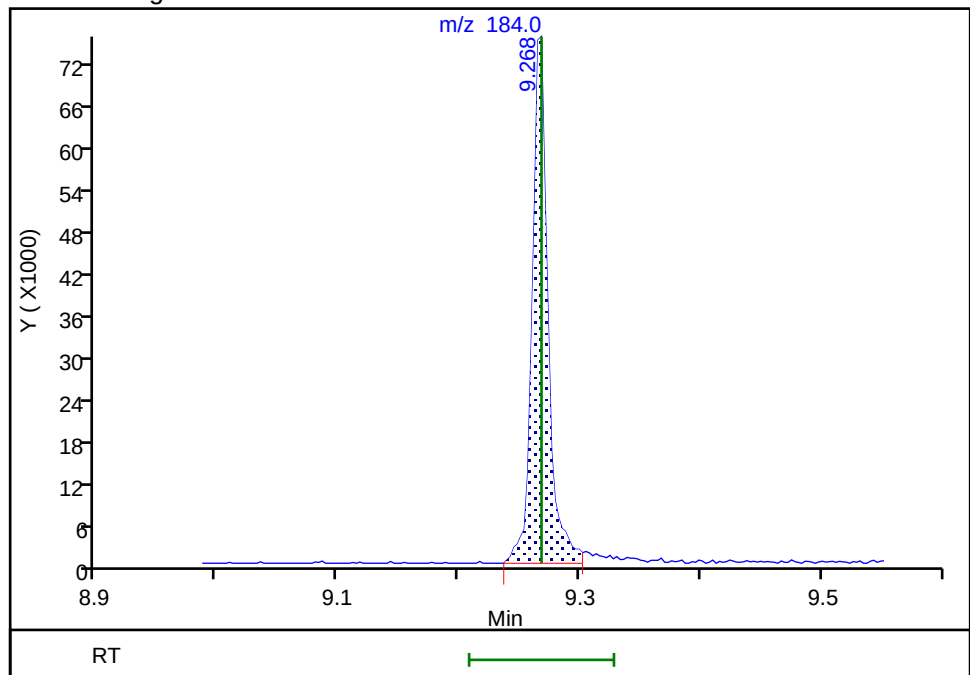
RT: 9.27

Area: 68302

Amount: 3.816315

Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:03:06

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826383.D
 Lims ID: ICIS - List 1 - 4
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 03-Nov-2021 12:32:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-007
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:02:30 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 13:27:01

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	6.674	6.674	0.000	96	324907	4.00	4.00	
* 2 Naphthalene-d8	136	7.767	7.767	0.000	99	1247120	4.00	4.00	
* 3 Acenaphthene-d10	164	9.257	9.257	0.000	92	670031	4.00	4.00	
* 4 Phenanthrene-d10	188	10.519	10.519	0.000	95	1125511	4.00	4.00	
* 5 Chrysene-d12	240	13.323	13.323	0.000	96	943332	4.00	4.00	
* 6 Perylene-d12	264	15.613	15.613	0.000	96	1003132	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.522	5.522	0.000	93	408974	4.00	4.05	
\$ 8 Phenol-d5	99	6.314	6.314	0.000	0	505676	4.00	4.07	
\$ 9 Nitrobenzene-d5	82	7.140	7.140	0.000	89	481724	4.00	3.96	
\$ 10 2-Fluorobiphenyl	172	8.655	8.655	0.000	99	879794	4.00	3.88	
\$ 11 2,4,6-Tribromophenol	330	9.921	9.921	0.000	95	107608	4.00	3.69	
\$ 12 p-Terphenyl-d14	244	11.944	11.944	0.000	96	971996	4.00	3.99	
13 1,4-Dioxane	88	3.769	3.769	0.000	95	163188	4.00	4.00	
14 N-Nitrosodimethylamine	42	4.143	4.143	0.000	92	219927	4.00	3.94	
15 Pyridine	52	4.192	4.192	0.000	92	582240	8.00	8.14	
35 Benzaldehyde	77	6.297	6.297	0.000	95	646442	8.00	8.16	
37 Phenol	94	6.325	6.325	0.000	98	524797	4.00	3.99	
36 Aniline	93	6.385	6.385	0.000	97	644544	4.00	3.96	
39 Bis(2-chloroethyl)ether	93	6.416	6.416	0.000	92	406356	4.00	4.15	
40 2-Chlorophenol	128	6.493	6.493	0.000	98	445719	4.00	4.13	
41 n-Decane	57	6.504	6.504	0.000	92	488735	4.00	4.04	
43 1,3-Dichlorobenzene	146	6.629	6.629	0.000	99	501615	4.00	4.09	
44 1,4-Dichlorobenzene	146	6.689	6.689	0.000	94	499923	4.00	3.99	
45 Benzyl alcohol	108	6.768	6.768	0.000	93	286967	4.00	4.06	
46 1,2-Dichlorobenzene	146	6.825	6.825	0.000	97	478324	4.00	4.04	
48 2-Methylphenol	108	6.848	6.848	0.000	94	397206	4.00	4.03	
49 2,2'-oxybis[1-chloropropane]	45	6.876	6.876	0.000	93	637709	4.00	4.06	
47 Indene	115	6.904	6.904	0.000	91	3732821	20.0	19.8	
57 4-Methylphenol	108	6.972	6.972	0.000	97	420487	4.00	4.29	
53 N-Nitrosodi-n-propylamine	70	6.987	6.987	0.000	91	291145	4.00	4.13	
52 Acetophenone	105	7.004	7.004	0.000	94	556282	4.00	4.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.123	7.123	0.000	96	195238	4.00	3.99	
59 Nitrobenzene	77	7.157	7.157	0.000	88	438968	4.00	4.15	
62 Isophorone	82	7.350	7.350	0.000	99	777265	4.00	4.17	
64 2-Nitrophenol	139	7.426	7.426	0.000	92	211715	4.00	3.82	
66 2,4-Dimethylphenol	107	7.426	7.426	0.000	91	410977	4.00	3.93	
70 Benzoic acid	105	7.514	7.514	0.000	89	1178296	20.0	18.6	M
69 Bis(2-chloroethoxy)methane	93	7.503	7.503	0.000	97	473558	4.00	4.19	
72 2,4-Dichlorophenol	162	7.628	7.628	0.000	93	354961	4.00	4.16	
73 1,2,4-Trichlorobenzene	180	7.707	7.707	0.000	94	373040	4.00	3.98	
74 Naphthalene	128	7.784	7.784	0.000	98	1287401	4.00	4.00	
76 4-Chloroaniline	127	7.801	7.801	0.000	96	448458	4.00	3.98	
77 2,6-Dichlorophenol	162	7.818	7.818	0.000	97	345812	4.00	4.19	
79 Hexachlorobutadiene	225	7.878	7.878	0.000	96	219413	4.00	3.95	
84 Caprolactam	113	8.096	8.096	0.000	77	238727	8.00	8.10	
85 4-Chloro-3-methylphenol	107	8.184	8.184	0.000	96	331571	4.00	4.03	
87 2-Methylnaphthalene	142	8.363	8.363	0.000	91	834389	4.00	3.94	
89 1-Methylnaphthalene	142	8.451	8.451	0.000	94	792933	4.00	3.97	
90 Hexachlorocyclopentadiene	237	8.499	8.499	0.000	94	252523	4.00	3.89	
91 1,2,4,5-Tetrachlorobenzene	216	8.508	8.508	0.000	97	379612	4.00	3.97	
93 2,4,6-Trichlorophenol	196	8.587	8.587	0.000	92	261231	4.00	3.99	
94 2,4,5-Trichlorophenol	196	8.624	8.624	0.000	94	228006	4.00	3.81	
96 1,1'-Biphenyl	154	8.746	8.746	0.000	96	982734	4.00	3.90	
97 2-Chloronaphthalene	162	8.783	8.783	0.000	96	771577	4.00	4.10	
100 2-Nitroaniline	65	8.842	8.842	0.000	86	219118	4.00	3.91	
105 Dimethyl phthalate	163	8.967	8.967	0.000	98	755493	4.00	3.85	
106 1,3-Dinitrobenzene	168	9.007	9.007	0.000	85	123947	4.00	4.06	
107 2,6-Dinitrotoluene	165	9.030	9.030	0.000	95	177951	4.00	3.68	
108 Acenaphthylene	152	9.140	9.140	0.000	98	1204035	4.00	3.90	
109 3-Nitroaniline	138	9.183	9.183	0.000	95	193476	4.00	3.75	
111 2,4-Dinitrophenol	184	9.268	9.268	0.000	83	166537	8.00	7.28	
110 Acenaphthene	153	9.285	9.285	0.000	96	807431	4.00	3.96	
112 4-Nitrophenol	109	9.288	9.288	0.000	92	191485	8.00	7.65	
114 2,4-Dinitrotoluene	165	9.376	9.376	0.000	94	242641	4.00	3.88	
115 Dibenzofuran	168	9.427	9.427	0.000	97	1041961	4.00	3.91	
118 2,3,4,6-Tetrachlorophenol	232	9.518	9.518	0.000	73	184901	4.00	3.74	
121 Hexadecane	57	9.546	9.546	0.000	92	565862	4.00	3.99	
120 Diethyl phthalate	149	9.555	9.555	0.000	98	835641	4.00	3.94	
123 4-Chlorophenyl phenyl ether	204	9.688	9.688	0.000	91	403332	4.00	3.84	
126 4-Nitroaniline	138	9.702	9.702	0.000	85	190861	4.00	3.64	
124 Fluorene	166	9.716	9.716	0.000	93	853416	4.00	3.99	
127 4,6-Dinitro-2-methylphenol	198	9.725	9.725	0.000	84	223222	8.00	7.59	
129 Diphenylamine	169	9.782	9.782	0.000	93	606915	3.42	3.42	
130 N-Nitrosodiphenylamine	169	9.782	9.782	0.000	64	606915	4.00	4.00	
131 1,2-Diphenylhydrazine	77	9.824	9.824	0.000	41	850177	4.00	3.93	
132 Azobenzene	77	9.824	9.824	0.000	99	850177	4.00	3.93	
139 4-Bromophenyl phenyl ether	248	10.105	10.105	0.000	67	241648	4.00	3.99	
140 Hexachlorobenzene	284	10.193	10.193	0.000	95	265121	4.00	3.86	
143 Atrazine	200	10.199	10.199	0.000	92	443167	8.00	7.86	
148 n-Octadecane	57	10.318	10.318	0.000	94	563438	4.00	4.01	
145 Pentachlorophenol	266	10.343	10.343	0.000	93	250452	8.00	7.28	
151 Phenanthrene	178	10.539	10.539	0.000	97	1194815	4.00	3.99	
152 Anthracene	178	10.582	10.582	0.000	97	1205019	4.00	4.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.695	10.695	0.000	96	1042417	4.00	3.93	
157 Di-n-butyl phthalate	149	10.919	10.919	0.000	100	1384258	4.00	3.97	
164 Fluoranthene	202	11.603	11.603	0.000	99	1268763	4.00	4.12	
166 Benzidine	184	11.686	11.686	0.000	99	1319211	8.00	8.20	
167 Pyrene	202	11.847	11.847	0.000	96	1266017	4.00	4.00	
174 Butyl benzyl phthalate	149	12.457	12.457	0.000	97	607236	4.00	4.11	
181 Bis(2-ethylhexyl) phthalate	149	13.190	13.190	0.000	97	864246	4.00	4.05	
179 3,3'-Dichlorobenzidine	252	13.224	13.224	0.000	74	945945	8.00	8.13	
180 Benzo[a]anthracene	228	13.312	13.312	0.000	99	1196397	4.00	4.02	
182 Chrysene	228	13.363	13.363	0.000	97	1138256	4.00	4.01	
184 Di-n-octyl phthalate	149	14.174	14.174	0.000	99	1469368	4.00	4.10	
186 Benzo[b]fluoranthene	252	14.974	14.974	0.000	92	1166015	4.00	3.94	
187 Benzo[k]fluoranthene	252	15.017	15.017	0.000	98	1209902	4.00	3.99	
189 Benzo[a]pyrene	252	15.519	15.519	0.000	80	1146444	4.00	4.03	
193 Indeno[1,2,3-cd]pyrene	276	17.551	17.551	0.000	95	1370442	4.00	4.03	a
194 Dibenz(a,h)anthracene	278	17.565	17.565	0.000	94	1214388	4.00	4.12	
195 Benzo[g,h,i]perylene	276	18.127	18.127	0.000	96	1098993	4.00	4.03	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00512

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826383.D

Injection Date: 03-Nov-2021 12:32:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: ICIS - List 1 - 4

Worklist Smp#: 7

Client ID:

Injection Vol: 2.0 ul

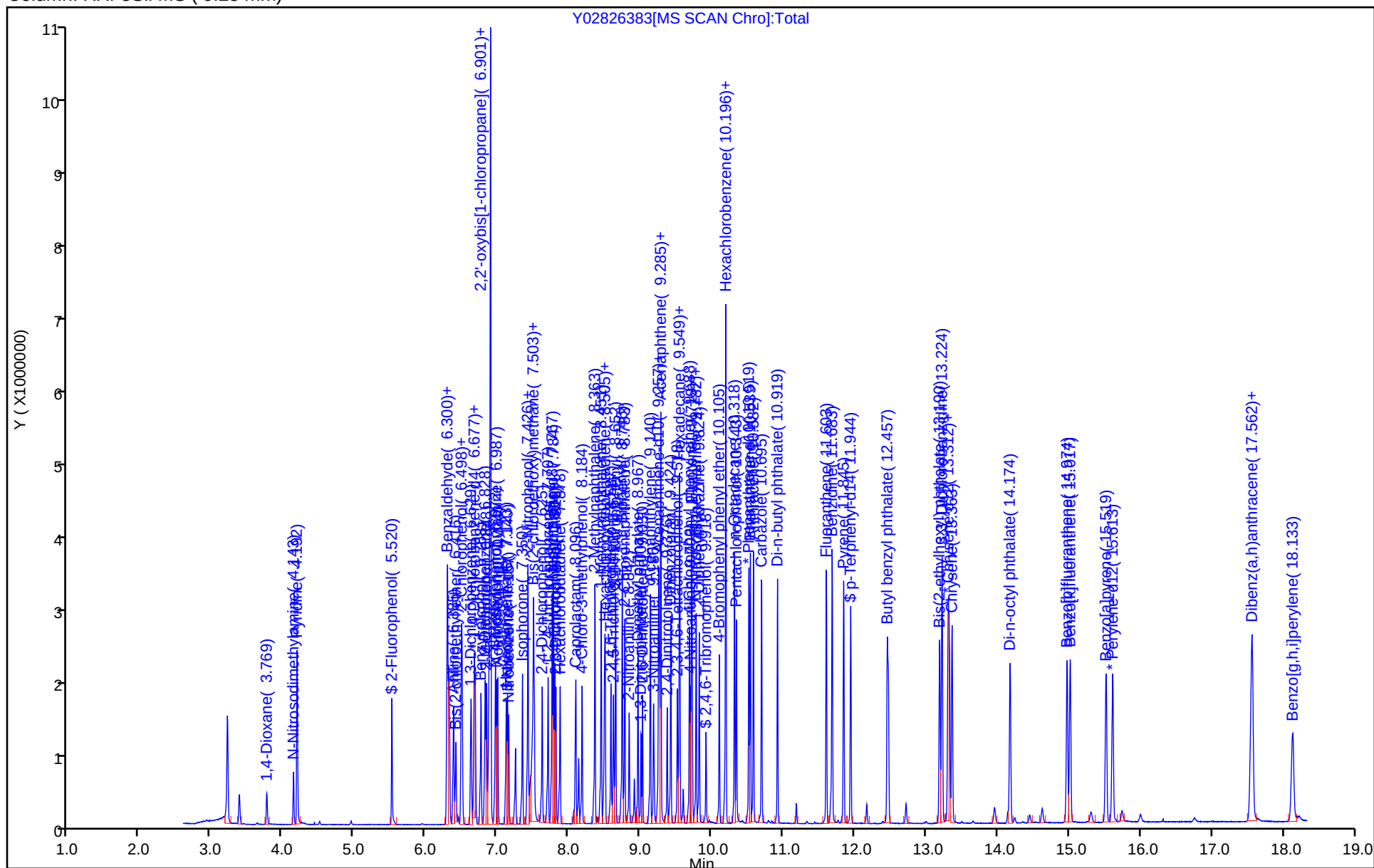
Dil. Factor: 1.0000

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\20211103-102124.b\Y02826383.D

Injection Date: 03-Nov-2021 12:32:30

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

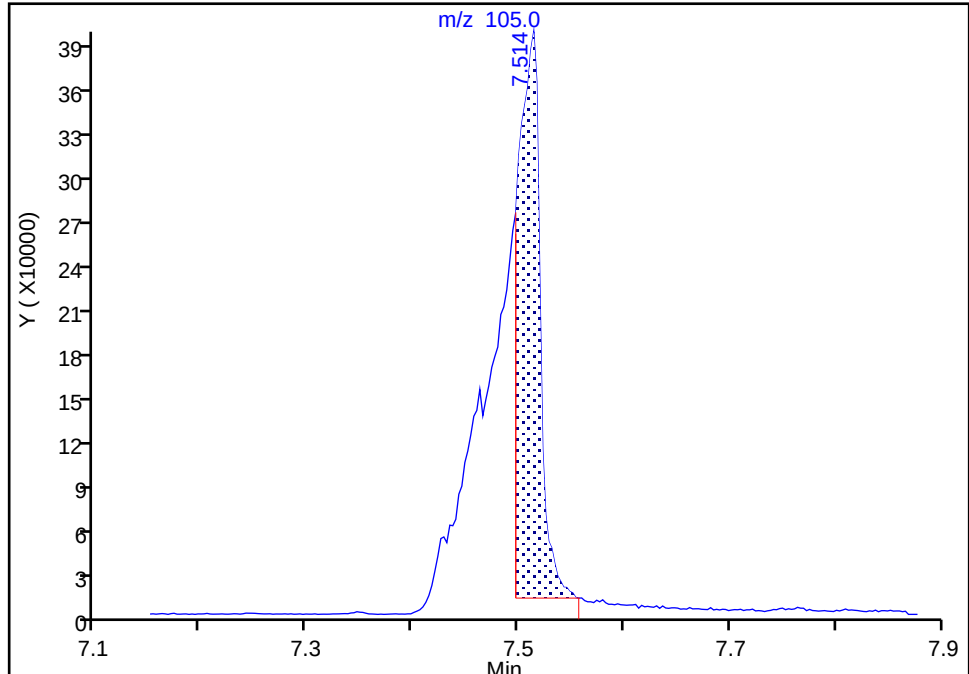
MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

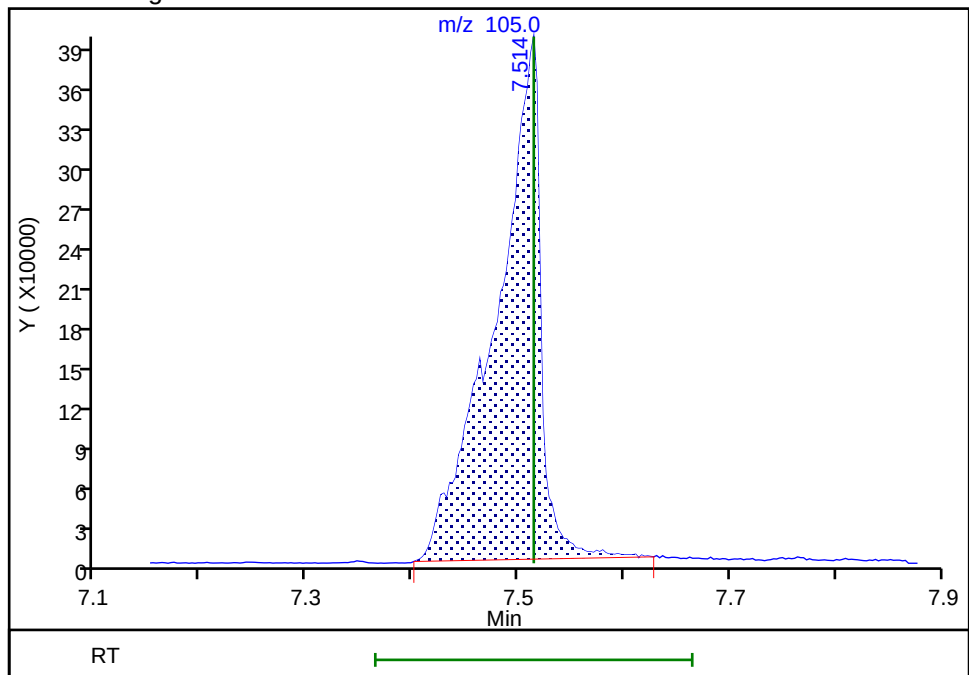
RT: 7.51
Area: 549330
Amount: 23.101670
Amount Units: ng/uL

Processing Integration Results



RT: 7.51
Area: 1178296
Amount: 18.561414
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:03:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826383.D

Injection Date: 03-Nov-2021 12:32:30

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

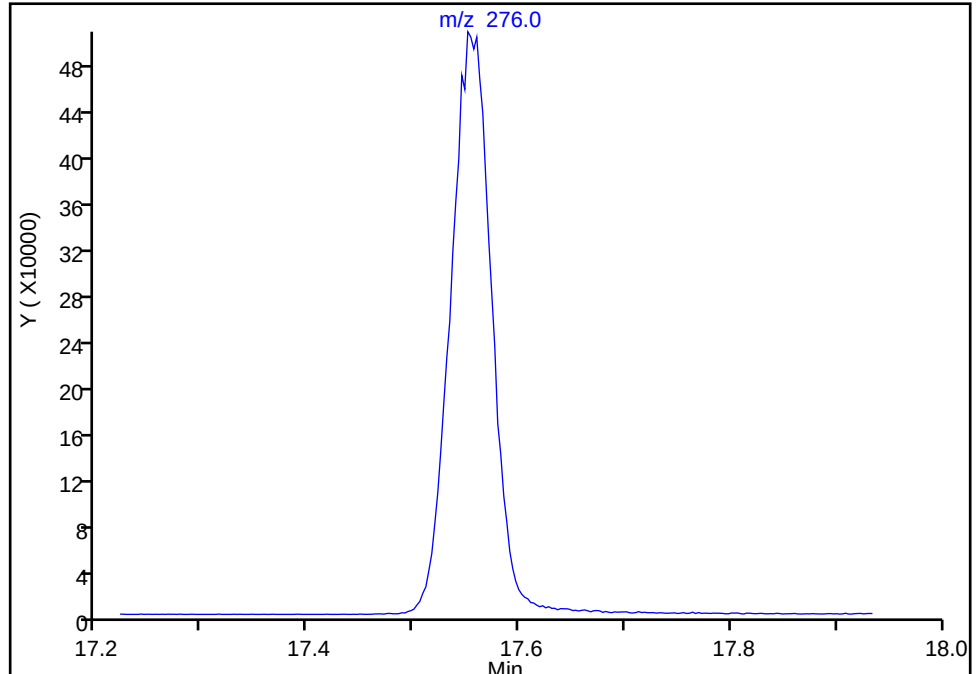
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

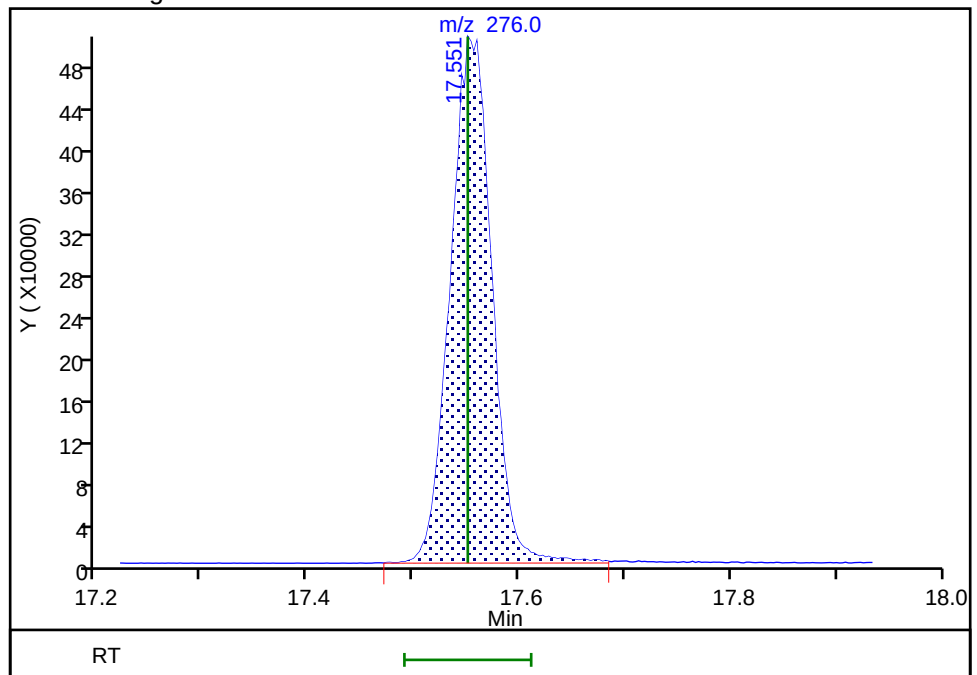
Not Detected

Expected RT: 17.55

Processing Integration Results



Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:03:59

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826384.D
 Lims ID: IC - List 1 - 8
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 03-Nov-2021 12:59:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-008
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:02:36 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 17:05:10

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	6.675	6.674	0.001	95	320620	4.00	4.00	
* 2 Naphthalene-d8	136	7.767	7.767	0.000	99	1238339	4.00	4.00	
* 3 Acenaphthene-d10	164	9.257	9.257	0.000	92	663049	4.00	4.00	
* 4 Phenanthrene-d10	188	10.520	10.519	0.001	95	1122929	4.00	4.00	
* 5 Chrysene-d12	240	13.329	13.323	0.006	96	962799	4.00	4.00	
* 6 Perylene-d12	264	15.610	15.613	-0.003	96	1029369	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.523	5.522	0.001	94	796093	8.00	7.98	
\$ 8 Phenol-d5	99	6.317	6.314	0.003	0	977699	8.00	7.98	
\$ 9 Nitrobenzene-d5	82	7.143	7.140	0.003	91	951195	8.00	7.87	M
\$ 10 2-Fluorobiphenyl	172	8.655	8.655	0.000	99	1771762	8.00	7.89	
\$ 11 2,4,6-Tribromophenol	330	9.921	9.921	0.000	95	246041	8.00	8.33	
\$ 12 p-Terphenyl-d14	244	11.947	11.944	0.003	96	1950492	8.00	7.85	
13 1,4-Dioxane	88	3.769	3.769	0.000	97	317029	8.00	7.87	
14 N-Nitrosodimethylamine	42	4.147	4.143	0.003	91	441469	8.00	8.01	
15 Pyridine	52	4.192	4.192	0.000	91	1126577	16.0	16.0	
35 Benzaldehyde	77	6.300	6.297	0.003	95	1255888	16.0	16.2	
37 Phenol	94	6.329	6.325	0.004	98	1029481	8.00	7.94	
36 Aniline	93	6.388	6.385	0.003	96	1268813	8.00	7.91	
39 Bis(2-chloroethyl)ether	93	6.419	6.416	0.003	96	768801	8.00	7.96	
40 2-Chlorophenol	128	6.493	6.493	0.000	98	868226	8.00	8.15	
41 n-Decane	57	6.505	6.504	0.001	94	930092	8.00	7.79	
43 1,3-Dichlorobenzene	146	6.629	6.629	0.000	98	960746	8.00	7.94	
44 1,4-Dichlorobenzene	146	6.689	6.689	0.000	94	972649	8.00	7.86	
45 Benzyl alcohol	108	6.774	6.768	0.006	93	571653	8.00	8.21	
46 1,2-Dichlorobenzene	146	6.828	6.825	0.003	97	924131	8.00	7.91	
48 2-Methylphenol	108	6.848	6.848	0.000	97	786700	8.00	8.09	
49 2,2'-oxybis[1-chloropropane]	45	6.879	6.876	0.003	93	1237512	8.00	7.99	
47 Indene	115	6.905	6.904	0.001	90	7103781	40.0	38.1	
57 4-Methylphenol	108	6.973	6.972	0.001	95	801512	8.00	8.29	
53 N-Nitrosodi-n-propylamine	70	6.993	6.987	0.006	91	574183	8.00	8.25	
52 Acetophenone	105	7.004	7.004	0.000	95	1104890	8.00	8.58	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.123	7.123	0.000	96	379471	8.00	7.85	
59 Nitrobenzene	77	7.157	7.157	0.000	89	866050	8.00	8.25	
62 Isophorone	82	7.350	7.350	0.000	99	1541103	8.00	8.38	
64 2-Nitrophenol	139	7.430	7.426	0.004	93	450009	8.00	8.10	
66 2,4-Dimethylphenol	107	7.427	7.426	0.001	92	824527	8.00	7.88	
69 Bis(2-chloroethoxy)methane	93	7.506	7.503	0.003	97	922519	8.00	8.28	
70 Benzoic acid	105	7.546	7.514	0.032	89	2578063	40.0	38.3	M
72 2,4-Dichlorophenol	162	7.625	7.628	-0.003	94	687877	8.00	8.12	
73 1,2,4-Trichlorobenzene	180	7.708	7.707	0.001	94	713006	8.00	7.67	
74 Naphthalene	128	7.784	7.784	0.000	98	2535645	8.00	7.95	
76 4-Chloroaniline	127	7.804	7.801	0.003	96	906567	8.00	8.11	
77 2,6-Dichlorophenol	162	7.818	7.818	0.000	97	687795	8.00	8.40	
79 Hexachlorobutadiene	225	7.875	7.878	-0.003	96	442767	8.00	8.03	
84 Caprolactam	113	8.116	8.096	0.020	77	469996	16.0	15.9	
85 4-Chloro-3-methylphenol	107	8.187	8.184	0.003	95	658048	8.00	8.06	
87 2-Methylnaphthalene	142	8.366	8.363	0.003	93	1686946	8.00	8.03	
89 1-Methylnaphthalene	142	8.451	8.451	0.000	96	1541608	8.00	7.78	
90 Hexachlorocyclopentadiene	237	8.499	8.499	0.000	94	528013	8.00	8.09	
91 1,2,4,5-Tetrachlorobenzene	216	8.508	8.508	0.000	97	768862	8.00	8.13	
93 2,4,6-Trichlorophenol	196	8.590	8.587	0.003	92	519433	8.00	7.90	
94 2,4,5-Trichlorophenol	196	8.624	8.624	0.000	95	457169	8.00	7.63	
96 1,1'-Biphenyl	154	8.746	8.746	0.000	96	1857683	8.00	7.45	
97 2-Chloronaphthalene	162	8.783	8.783	0.000	97	1499508	8.00	8.05	
100 2-Nitroaniline	65	8.846	8.842	0.004	85	450756	8.00	8.02	
105 Dimethyl phthalate	163	8.970	8.967	0.003	99	1524821	8.00	7.86	
106 1,3-Dinitrobenzene	168	9.013	9.007	0.006	86	246741	8.00	7.99	
107 2,6-Dinitrotoluene	165	9.033	9.030	0.003	95	397910	8.00	8.22	
108 Acenaphthylene	152	9.141	9.140	0.001	98	2446673	8.00	8.01	
109 3-Nitroaniline	138	9.186	9.183	0.003	96	398485	8.00	7.73	
111 2,4-Dinitrophenol	184	9.271	9.268	0.003	79	385742	16.0	15.5	a
110 Acenaphthene	153	9.285	9.285	0.000	96	1492257	8.00	7.39	
112 4-Nitrophenol	109	9.294	9.288	0.006	94	406708	16.0	16.0	
114 2,4-Dinitrotoluene	165	9.379	9.376	0.003	94	505609	8.00	8.02	
115 Dibenzofuran	168	9.427	9.427	0.000	96	2085404	8.00	7.91	
118 2,3,4,6-Tetrachlorophenol	232	9.521	9.518	0.003	73	398599	8.00	7.93	
121 Hexadecane	57	9.546	9.546	0.000	93	1133699	8.00	8.08	
120 Diethyl phthalate	149	9.555	9.555	0.000	98	1636613	8.00	7.79	
123 4-Chlorophenyl phenyl ether	204	9.688	9.688	0.000	92	804395	8.00	7.75	
126 4-Nitroaniline	138	9.708	9.702	0.006	86	420219	8.00	8.03	
124 Fluorene	166	9.720	9.716	0.004	92	1708338	8.00	8.07	
127 4,6-Dinitro-2-methylphenol	198	9.731	9.725	0.006	87	508649	16.0	16.6	
129 Diphenylamine	169	9.785	9.782	0.003	94	1176731	6.84	6.64	
130 N-Nitrosodiphenylamine	169	9.785	9.782	0.003	63	1176731	8.00	7.77	
131 1,2-Diphenylhydrazine	77	9.825	9.824	0.001	45	1719371	8.00	7.97	
132 Azobenzene	77	9.825	9.824	0.001	100	1719371	8.00	7.97	
139 4-Bromophenyl phenyl ether	248	10.105	10.105	0.000	67	480550	8.00	7.96	
140 Hexachlorobenzene	284	10.196	10.193	0.003	94	560224	8.00	8.17	
143 Atrazine	200	10.202	10.199	0.003	93	874794	16.0	15.7	
148 n-Octadecane	57	10.318	10.318	0.000	93	1092279	8.00	7.79	
145 Pentachlorophenol	266	10.347	10.343	0.004	93	543850	16.0	15.3	
151 Phenanthrene	178	10.542	10.539	0.003	97	2323006	8.00	7.77	
152 Anthracene	178	10.585	10.582	0.003	97	2311221	8.00	7.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.699	10.695	0.004	96	2103746	8.00	7.95	
157 Di-n-butyl phthalate	149	10.920	10.919	0.001	100	2832563	8.00	8.15	
164 Fluoranthene	202	11.604	11.603	0.001	99	2450357	8.00	7.97	
166 Benzidine	184	11.689	11.686	0.003	99	2674383	16.0	16.3	
167 Pyrene	202	11.848	11.847	0.001	96	2559643	8.00	7.93	
174 Butyl benzyl phthalate	149	12.455	12.457	-0.002	97	1264535	8.00	8.38	
181 Bis(2-ethylhexyl) phthalate	149	13.190	13.190	0.000	97	1801243	8.00	8.27	
179 3,3'-Dichlorobenzidine	252	13.227	13.224	0.003	74	1896005	16.0	16.0	
180 Benzo[a]anthracene	228	13.309	13.312	-0.003	99	2343679	8.00	7.72	
182 Chrysene	228	13.366	13.363	0.003	97	2245139	8.00	7.74	
184 Di-n-octyl phthalate	149	14.177	14.174	0.003	99	3029042	8.00	8.28	
186 Benzo[b]fluoranthene	252	14.978	14.974	0.004	98	2472614	8.00	8.14	
187 Benzo[k]fluoranthene	252	15.026	15.017	0.009	98	2460975	8.00	7.91	
189 Benzo[a]pyrene	252	15.525	15.519	0.006	80	2419187	8.00	8.28	
193 Indeno[1,2,3-cd]pyrene	276	17.563	17.551	0.012	95	2881959	8.00	8.25	a
194 Dibenz(a,h)anthracene	278	17.580	17.565	0.015	95	2512929	8.00	8.32	
195 Benzo[g,h,i]perylene	276	18.147	18.127	0.020	94	2332002	8.00	8.34	
S 261 Total Cresols	1				0			16.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00513

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

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826384.D

Instrument ID: HP5973Y

Operator ID: JM

Worklist Smp#: 8

ALS Bottle#: 8

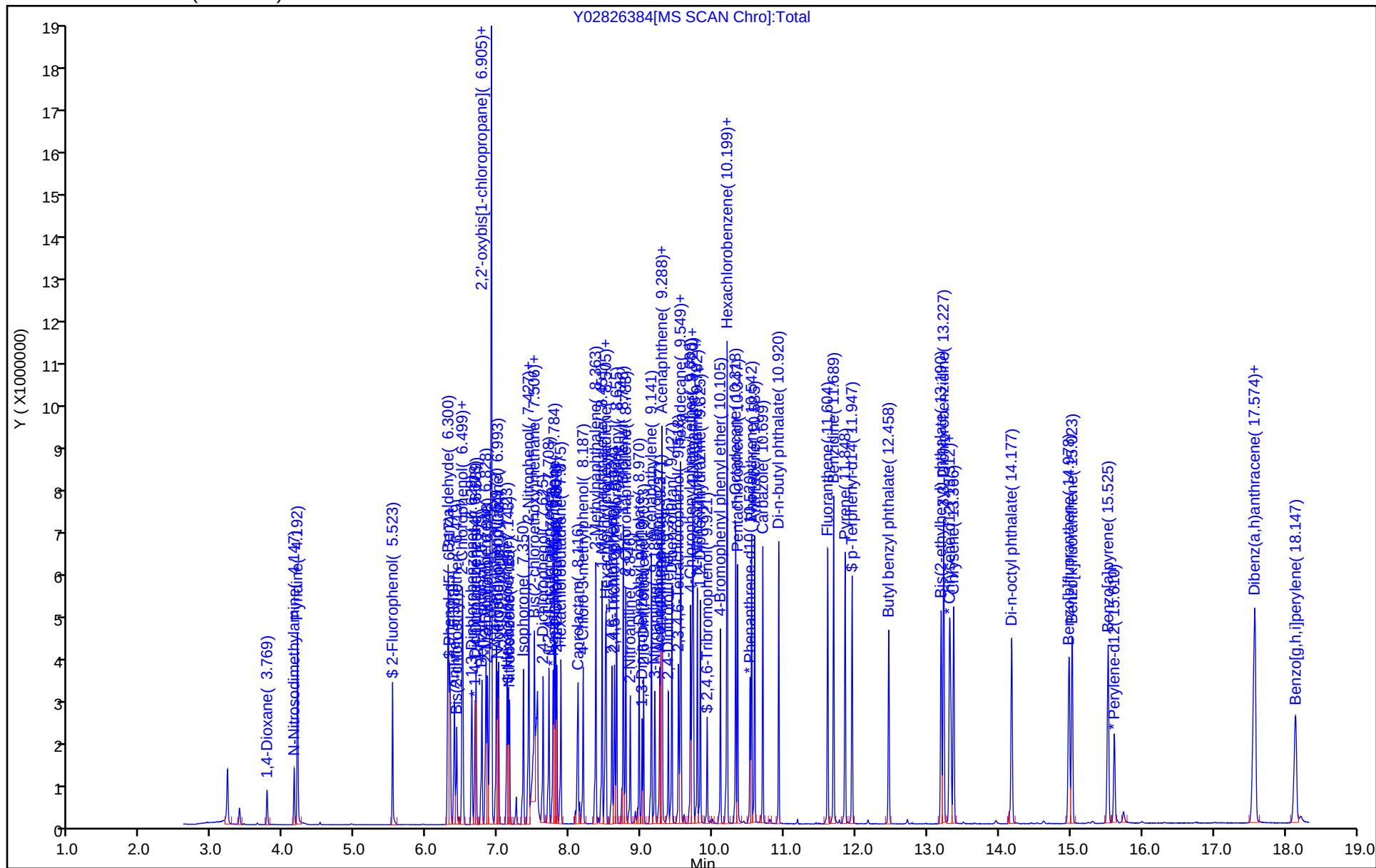
Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826384.D

Injection Date: 03-Nov-2021 12:59:30

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

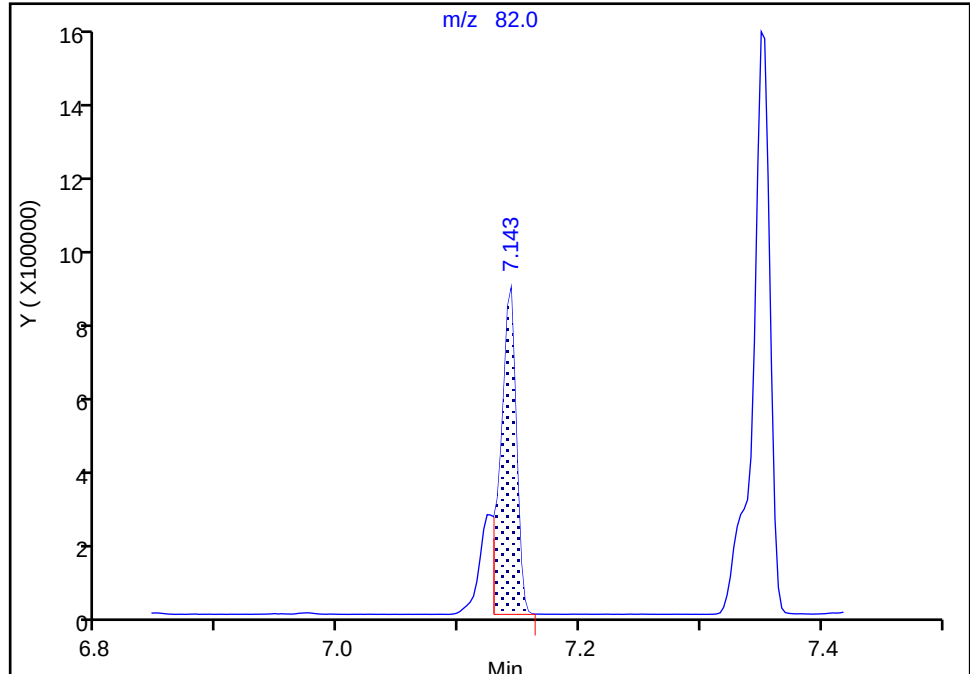
MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

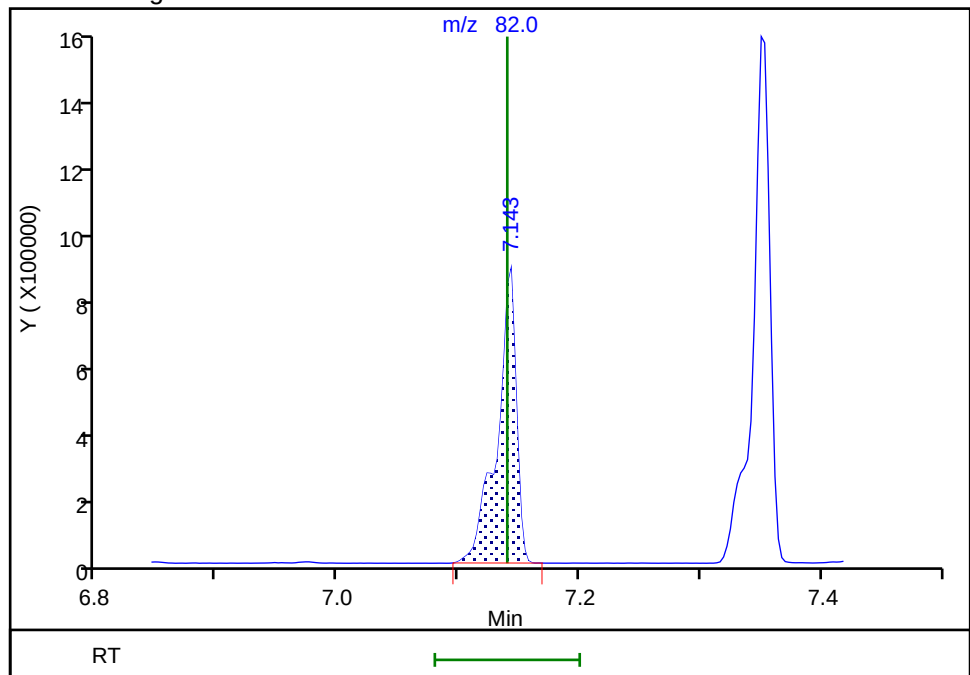
RT: 7.14
Area: 762358
Amount: 6.705105
Amount Units: ng/uL

Processing Integration Results



RT: 7.14
Area: 951195
Amount: 7.867369
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:16:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826384.D

Injection Date: 03-Nov-2021 12:59:30

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

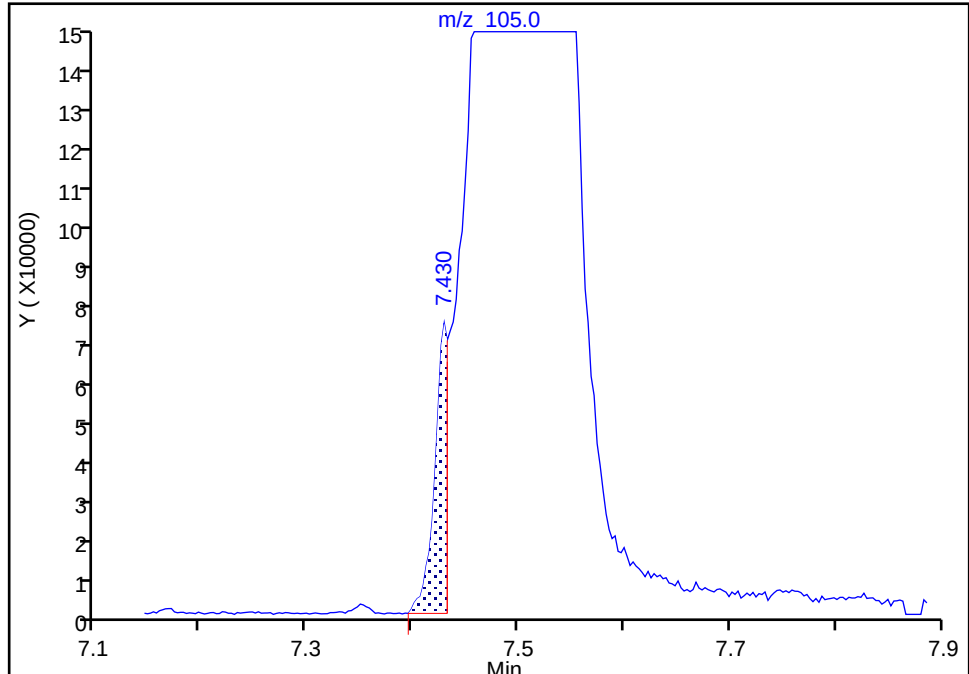
MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

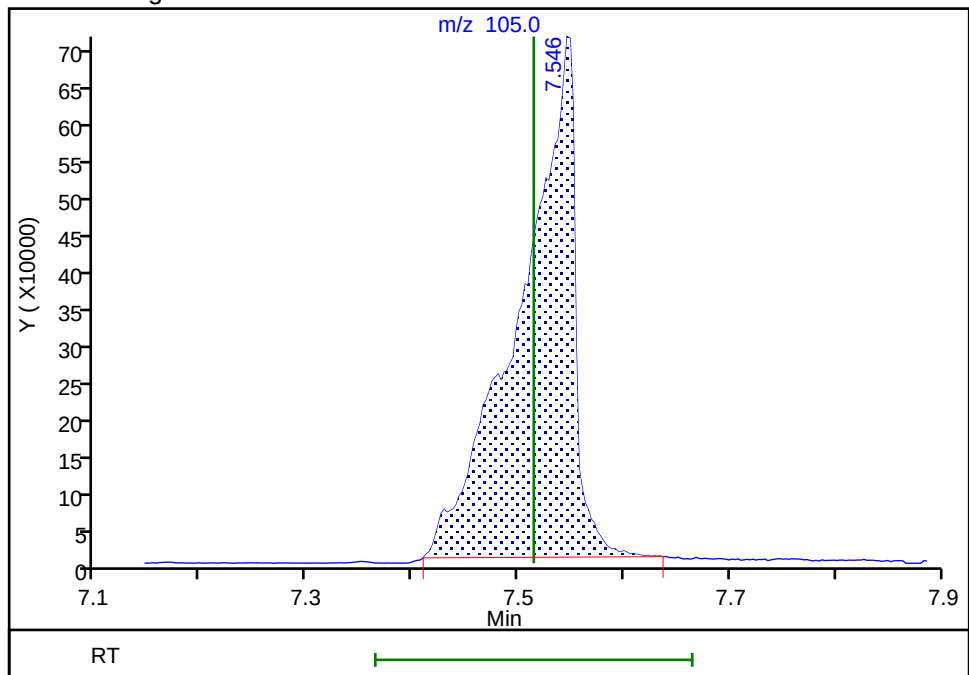
RT: 7.43
Area: 62744
Amount: 2.235081
Amount Units: ng/uL

Processing Integration Results



RT: 7.55
Area: 2578063
Amount: 38.348436
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:04:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826384.D

Injection Date: 03-Nov-2021 12:59:30

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

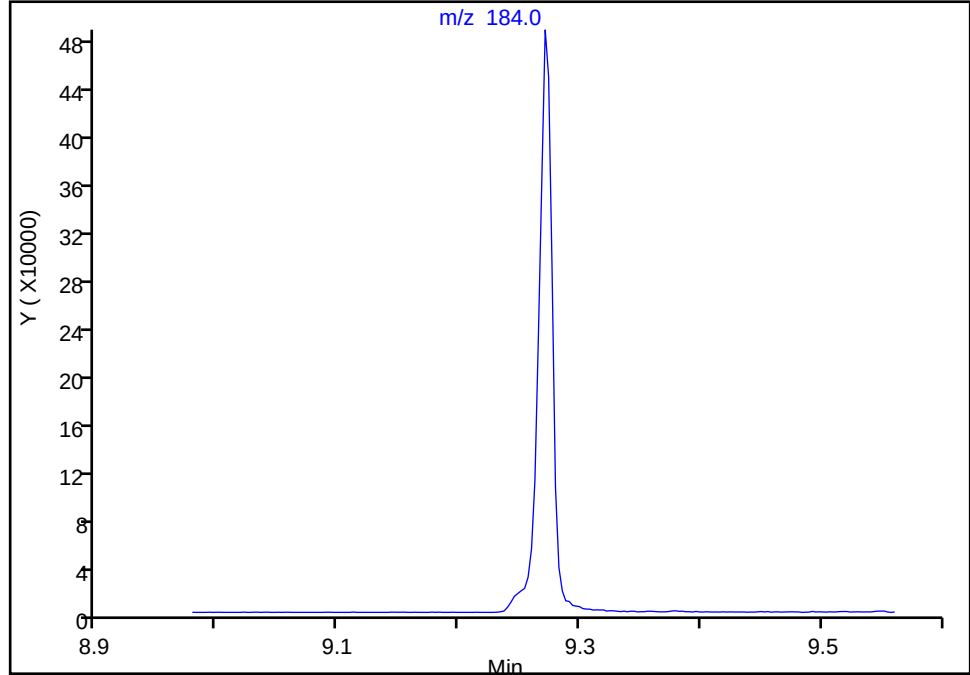
111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

Not Detected

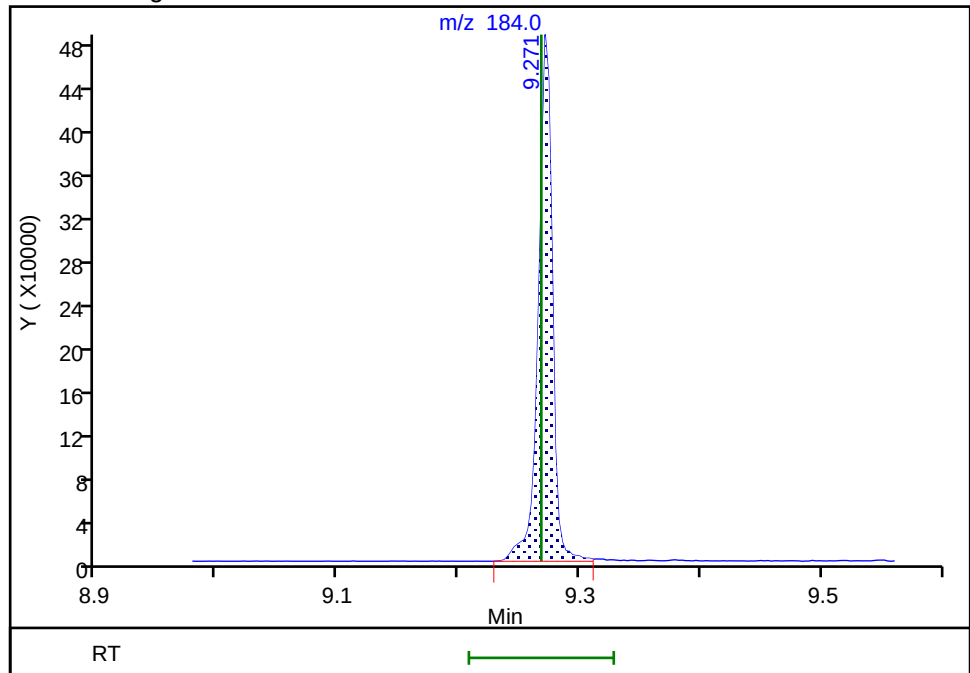
Expected RT: 9.27

Processing Integration Results



RT: 9.27
Area: 385742
Amount: 15.453125
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:04:55

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826384.D

Injection Date: 03-Nov-2021 12:59:30

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

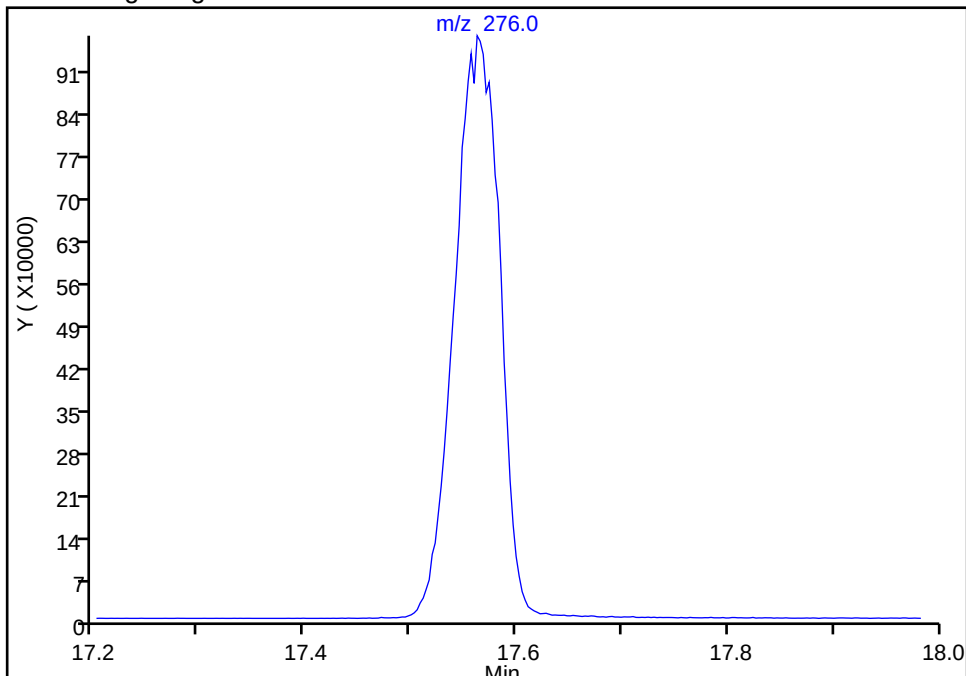
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

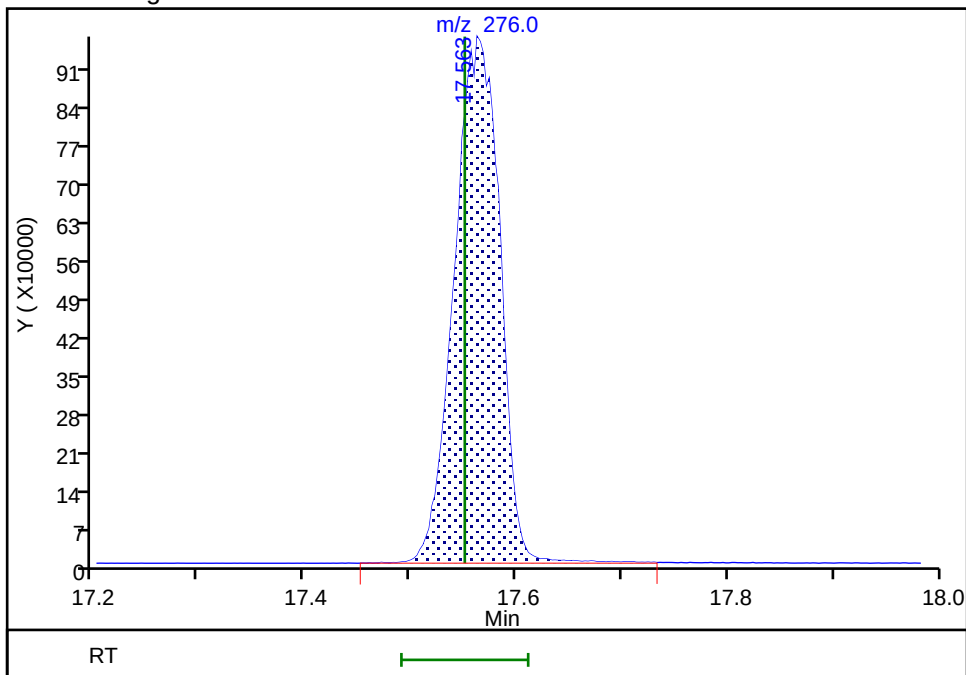
Not Detected

Expected RT: 17.55

Processing Integration Results



Manual Integration Results



RT: 17.56

Area: 2881959

Amount: 8.245915

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 17:05:07

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826385.D
 Lims ID: IC - List 1 - 12
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 03-Nov-2021 13:26:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-009
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:02:42 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 17:05:59

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	6.674	6.674	0.000	94	330766	4.00	4.00	
* 2 Naphthalene-d8	136	7.767	7.767	0.000	99	1234435	4.00	4.00	
* 3 Acenaphthene-d10	164	9.259	9.257	0.002	92	638549	4.00	4.00	
* 4 Phenanthrene-d10	188	10.522	10.519	0.003	97	1166348	4.00	4.00	
* 5 Chrysene-d12	240	13.331	13.323	0.008	96	996862	4.00	4.00	
* 6 Perylene-d12	264	15.616	15.613	0.003	95	1063030	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.522	5.522	0.000	93	1225278	12.0	11.9	
\$ 8 Phenol-d5	99	6.320	6.314	0.006	0	1485321	12.0	11.7	
\$ 9 Nitrobenzene-d5	82	7.145	7.140	0.005	90	1468485	12.0	12.2	M
\$ 10 2-Fluorobiphenyl	172	8.658	8.655	0.003	99	2677260	12.0	12.4	M
\$ 11 2,4,6-Tribromophenol	330	9.923	9.921	0.002	95	370835	12.0	12.0	
\$ 12 p-Terphenyl-d14	244	11.949	11.944	0.005	96	3140011	12.0	12.2	
13 1,4-Dioxane	88	3.766	3.769	-0.003	96	477910	12.0	11.5	
14 N-Nitrosodimethylamine	42	4.152	4.143	0.009	91	675404	12.0	11.9	
15 Pyridine	52	4.191	4.192	-0.001	91	1697520	24.0	23.3	
35 Benzaldehyde	77	6.303	6.297	0.006	95	1834242	24.0	23.0	
37 Phenol	94	6.334	6.325	0.009	98	1547677	12.0	11.6	
36 Aniline	93	6.391	6.385	0.005	96	1947170	12.0	11.8	
39 Bis(2-chloroethyl)ether	93	6.422	6.416	0.006	92	1090124	12.0	10.9	
40 2-Chlorophenol	128	6.498	6.493	0.005	97	1274554	12.0	11.6	
41 n-Decane	57	6.504	6.504	0.000	92	1417605	12.0	11.5	
43 1,3-Dichlorobenzene	146	6.632	6.629	0.003	98	1444250	12.0	11.6	
44 1,4-Dichlorobenzene	146	6.691	6.689	0.002	94	1505250	12.0	11.8	
45 Benzyl alcohol	108	6.776	6.768	0.008	92	846927	12.0	11.8	
46 1,2-Dichlorobenzene	146	6.827	6.825	0.002	97	1407368	12.0	11.7	
48 2-Methylphenol	108	6.850	6.848	0.002	95	1200012	12.0	12.0	
49 2,2'-oxybis[1-chloropropane]	45	6.881	6.876	0.005	92	1824298	12.0	11.4	
47 Indene	115	6.907	6.904	0.003	90	9825551	60.0	51.1	
57 4-Methylphenol	108	6.978	6.972	0.006	97	1049973	12.0	10.5	
53 N-Nitrosodi-n-propylamine	70	6.995	6.987	0.008	90	777509	12.0	10.8	
52 Acetophenone	105	7.009	7.004	0.005	94	1447640	12.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.125	7.123	0.002	96	578614	12.0	11.6	
59 Nitrobenzene	77	7.159	7.157	0.002	88	1129392	12.0	10.8	
62 Isophorone	82	7.355	7.350	0.005	99	2030885	12.0	11.1	
64 2-Nitrophenol	139	7.429	7.426	0.003	93	691004	12.0	12.4	
66 2,4-Dimethylphenol	107	7.429	7.426	0.003	90	1263627	12.0	12.1	
69 Bis(2-chloroethoxy)methane	93	7.506	7.503	0.003	97	1192926	12.0	10.8	
70 Benzoic acid	105	7.579	7.514	0.065	89	4392983	60.0	64.0	M
72 2,4-Dichlorophenol	162	7.628	7.628	0.000	94	931591	12.0	11.0	
73 1,2,4-Trichlorobenzene	180	7.710	7.707	0.003	94	1111615	12.0	12.0	
74 Naphthalene	128	7.787	7.784	0.003	98	3653362	12.0	11.5	
76 4-Chloroaniline	127	7.806	7.801	0.005	96	1365507	12.0	12.3	
77 2,6-Dichlorophenol	162	7.821	7.818	0.003	97	916236	12.0	11.2	
79 Hexachlorobutadiene	225	7.877	7.878	-0.001	96	684800	12.0	12.5	
84 Caprolactam	113	8.133	8.096	0.037	77	714407	24.0	24.2	
85 4-Chloro-3-methylphenol	107	8.192	8.184	0.008	96	1030393	12.0	12.7	
87 2-Methylnaphthalene	142	8.365	8.363	0.002	91	2240646	12.0	10.7	
89 1-Methylnaphthalene	142	8.453	8.451	0.002	94	2370898	12.0	12.0	
90 Hexachlorocyclopentadiene	237	8.499	8.499	0.000	96	799507	12.0	12.7	
91 1,2,4,5-Tetrachlorobenzene	216	8.510	8.508	0.002	97	1058573	12.0	11.6	
93 2,4,6-Trichlorophenol	196	8.592	8.587	0.005	93	736023	12.0	11.6	
94 2,4,5-Trichlorophenol	196	8.627	8.624	0.003	96	746559	12.0	12.9	
96 1,1'-Biphenyl	154	8.749	8.746	0.003	97	2994215	12.0	12.5	
97 2-Chloronaphthalene	162	8.785	8.783	0.002	97	2255132	12.0	12.6	
100 2-Nitroaniline	65	8.848	8.842	0.006	86	702614	12.0	12.9	
105 Dimethyl phthalate	163	8.973	8.967	0.006	98	2267273	12.0	12.1	
106 1,3-Dinitrobenzene	168	9.015	9.007	0.008	85	381505	12.0	12.3	
107 2,6-Dinitrotoluene	165	9.035	9.030	0.005	95	586639	12.0	12.5	
108 Acenaphthylene	152	9.143	9.140	0.003	98	3669587	12.0	12.5	
109 3-Nitroaniline	138	9.191	9.183	0.008	94	597249	12.0	12.0	
111 2,4-Dinitrophenol	184	9.276	9.268	0.008	86	633020	24.0	25.5	
110 Acenaphthene	153	9.288	9.285	0.003	97	2267977	12.0	11.7	
112 4-Nitrophenol	109	9.299	9.288	0.011	90	608929	24.0	24.7	a
114 2,4-Dinitrotoluene	165	9.381	9.376	0.005	94	754742	12.0	12.4	
115 Dibenzofuran	168	9.430	9.427	0.003	96	2949473	12.0	11.6	
118 2,3,4,6-Tetrachlorophenol	232	9.520	9.518	0.002	76	639447	12.0	13.1	
121 Hexadecane	57	9.549	9.546	0.003	94	1691305	12.0	12.5	
120 Diethyl phthalate	149	9.557	9.555	0.002	98	2332885	12.0	11.5	
123 4-Chlorophenyl phenyl ether	204	9.691	9.688	0.003	91	1286555	12.0	12.9	
126 4-Nitroaniline	138	9.713	9.702	0.011	87	626844	12.0	12.4	
124 Fluorene	166	9.722	9.716	0.006	92	2433087	12.0	11.9	
127 4,6-Dinitro-2-methylphenol	198	9.733	9.725	0.008	87	821395	24.0	25.5	
129 Diphenylamine	169	9.784	9.782	0.002	94	1900659	10.3	10.3	
130 N-Nitrosodiphenylamine	169	9.784	9.782	0.002	65	1900659	12.0	12.1	
131 1,2-Diphenylhydrazine	77	9.827	9.824	0.003	42	2612904	12.0	11.7	
132 Azobenzene	77	9.827	9.824	0.003	100	2612904	12.0	11.7	
139 4-Bromophenyl phenyl ether	248	10.108	10.105	0.003	67	748798	12.0	11.9	
140 Hexachlorobenzene	284	10.199	10.193	0.006	94	859894	12.0	12.1	
143 Atrazine	200	10.207	10.199	0.008	93	1309485	24.0	24.4	
148 n-Octadecane	57	10.318	10.318	0.000	94	1698704	12.0	11.7	
145 Pentachlorophenol	266	10.349	10.343	0.006	94	948083	24.0	25.5	
151 Phenanthrene	178	10.542	10.539	0.003	98	3584268	12.0	11.5	
152 Anthracene	178	10.587	10.582	0.005	97	3533776	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	10.701	10.695	0.006	96	3260840	12.0	11.9	
157 Di-n-butyl phthalate	149	10.922	10.919	0.003	100	4196373	12.0	11.6	
164 Fluoranthene	202	11.609	11.603	0.006	99	3753155	12.0	11.8	
166 Benzidine	184	11.691	11.686	0.005	98	3981020	24.0	23.4	
167 Pyrene	202	11.853	11.847	0.006	95	3823037	12.0	11.4	
174 Butyl benzyl phthalate	149	12.460	12.457	0.003	97	1933453	12.0	12.4	
181 Bis(2-ethylhexyl) phthalate	149	13.192	13.190	0.002	97	2763988	12.0	12.3	
179 3,3'-Dichlorobenzidine	252	13.235	13.224	0.011	74	2900733	24.0	23.6	
180 Benzo[a]anthracene	228	13.314	13.312	0.002	99	3689185	12.0	11.7	
182 Chrysene	228	13.371	13.363	0.008	97	3521911	12.0	11.7	
184 Di-n-octyl phthalate	149	14.180	14.174	0.006	99	4659727	12.0	12.3	
186 Benzo[b]fluoranthene	252	14.988	14.974	0.014	98	3816472	12.0	12.2	
187 Benzo[k]fluoranthene	252	15.031	15.017	0.014	97	3874634	12.0	12.1	
189 Benzo[a]pyrene	252	15.533	15.519	0.014	80	3766868	12.0	12.5	
193 Indeno[1,2,3-cd]pyrene	276	17.576	17.551	0.025	97	4548350	12.0	12.6	
194 Dibenz(a,h)anthracene	278	17.593	17.565	0.028	95	3950106	12.0	12.7	
195 Benzo[g,h,i]perylene	276	18.164	18.127	0.037	94	3673670	12.0	12.7	
S 261 Total Cresols	1				0			22.5	

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826385.D

Injection Date: 03-Nov-2021 13:26:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 12

Worklist Smp#: 9

Client ID:

Injection Vol: 2.0 ul

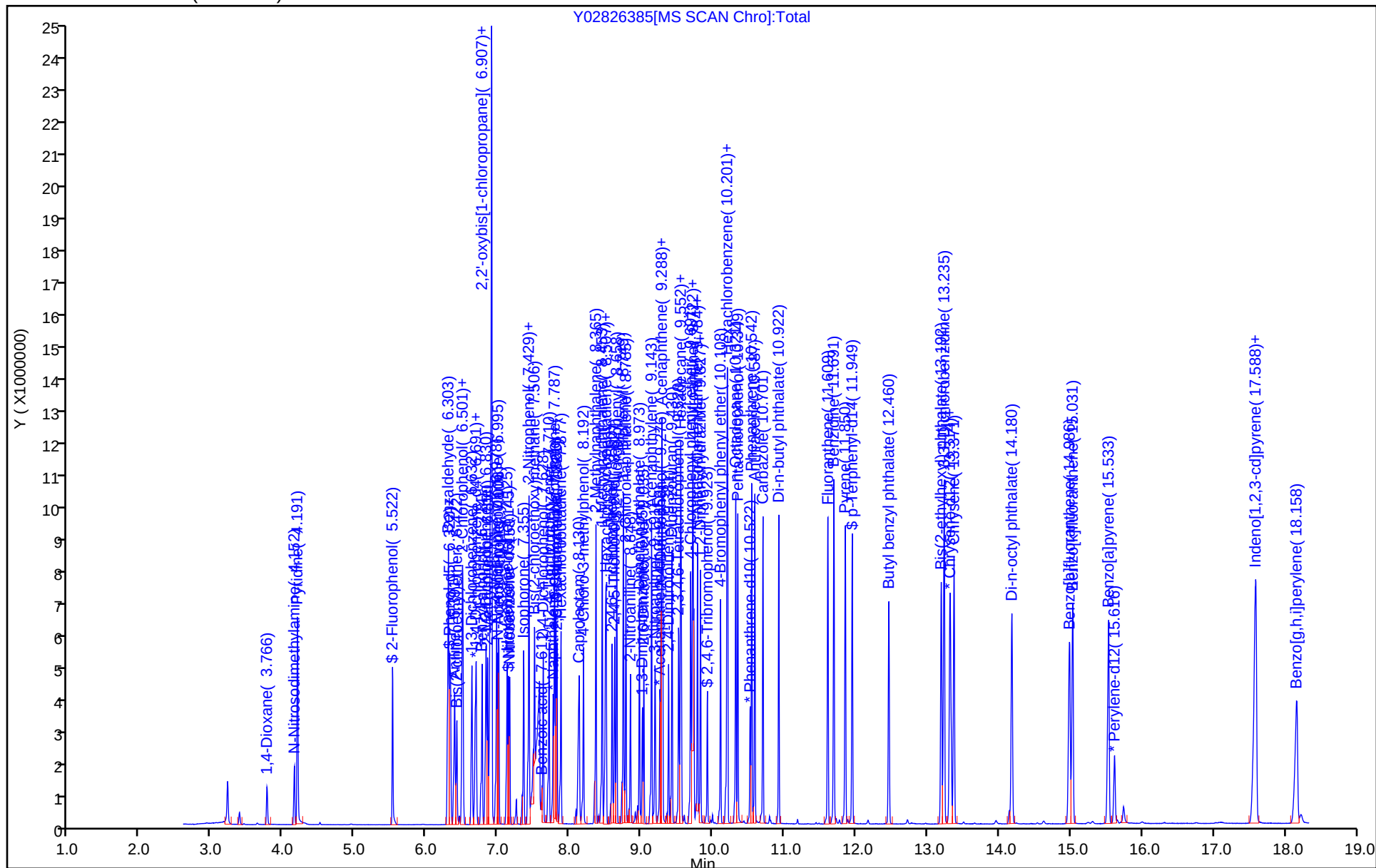
Dil. Factor: 1.0000

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\20211103-102124.b\Y02826385.D

Injection Date: 03-Nov-2021 13:26:30

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

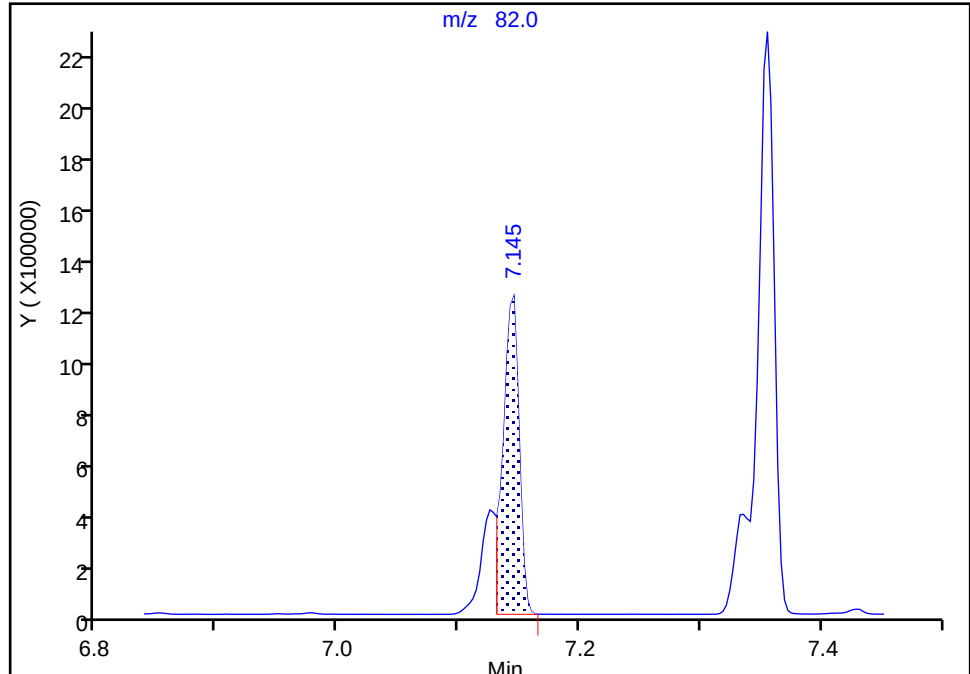
MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

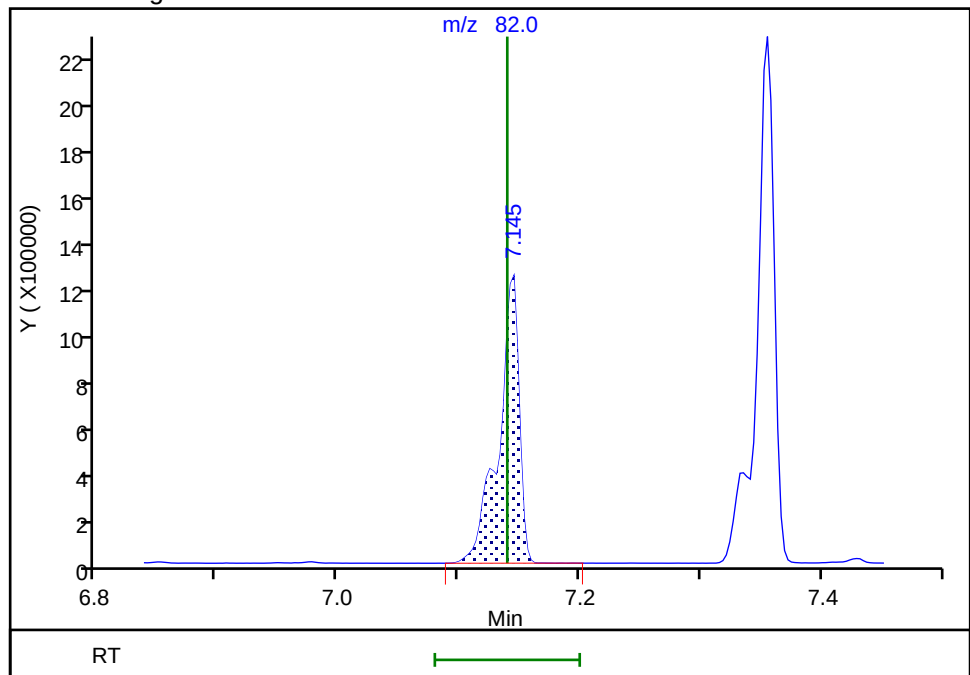
RT: 7.15
Area: 1147479
Amount: 9.832627
Amount Units: ng/uL

Processing Integration Results



RT: 7.15
Area: 1468485
Amount: 12.184306
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:16:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826385.D

Injection Date: 03-Nov-2021 13:26:30

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)

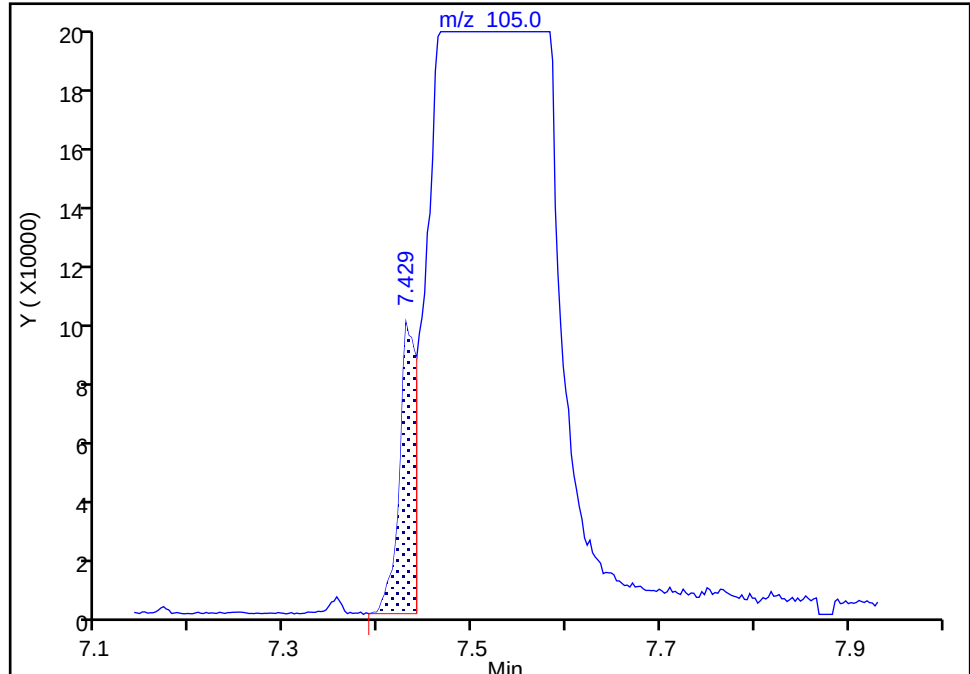
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

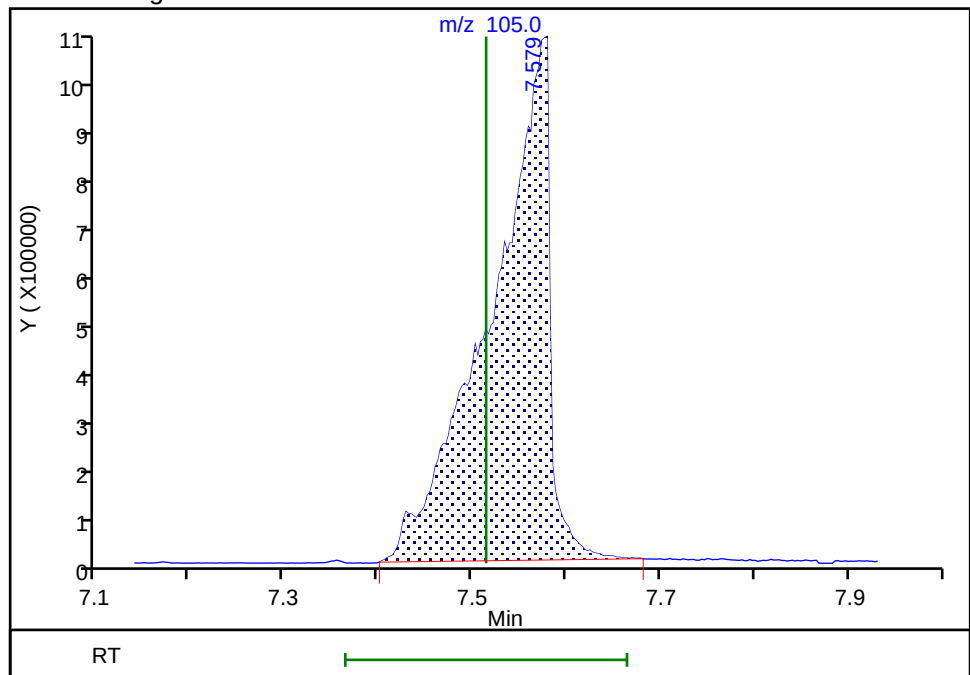
RT: 7.43
Area: 121323
Amount: 3.284431
Amount Units: ng/uL

Processing Integration Results



RT: 7.58
Area: 4392983
Amount: 64.048106
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:05:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826385.D

Injection Date: 03-Nov-2021 13:26:30

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)

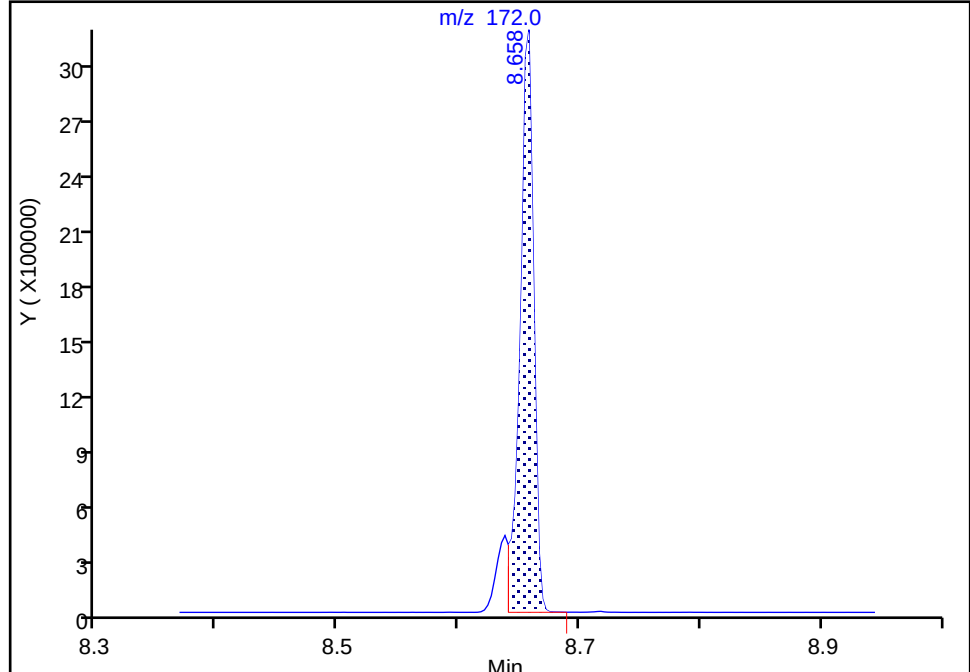
Detector: MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

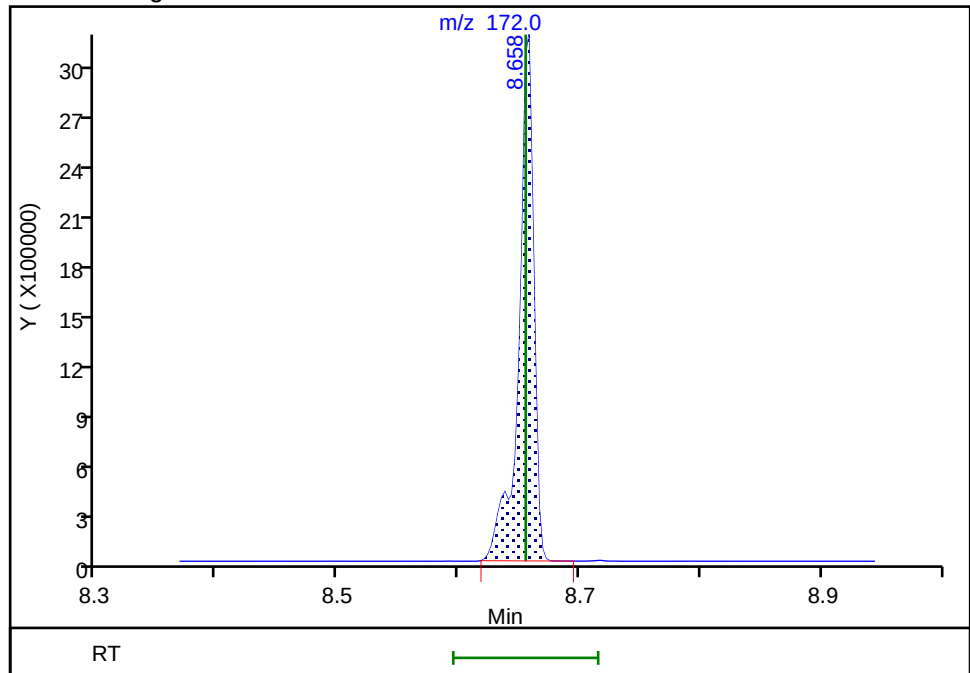
RT: 8.66
Area: 2446229
Amount: 11.580319
Amount Units: ng/uL

Processing Integration Results



RT: 8.66
Area: 2677260
Amount: 12.384803
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:17:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826385.D

Injection Date: 03-Nov-2021 13:26:30

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

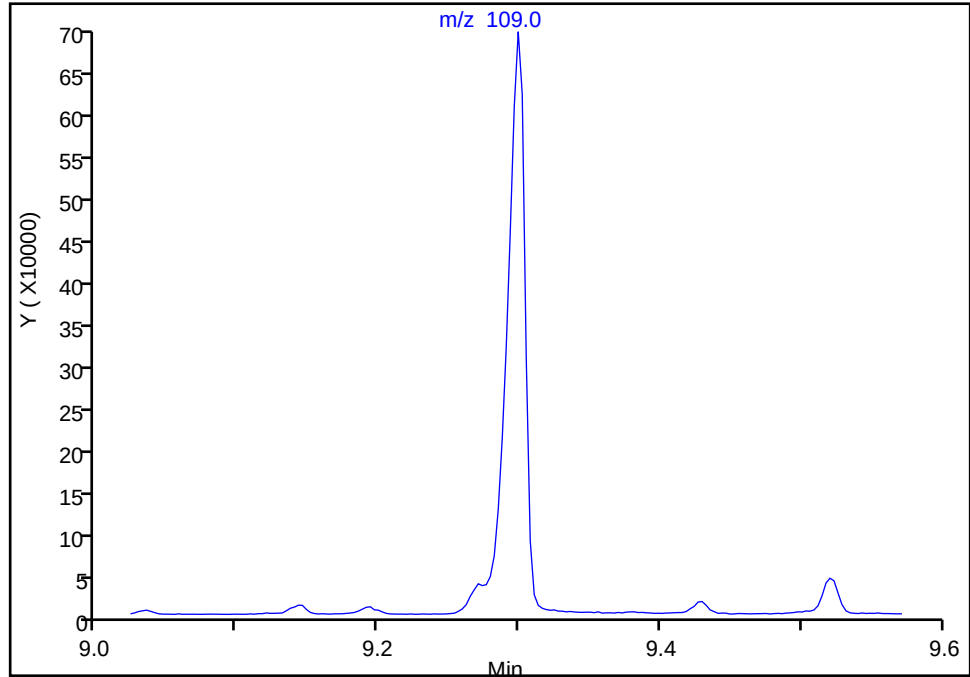
112 4-Nitrophenol, CAS: 100-02-7

Signal: 1

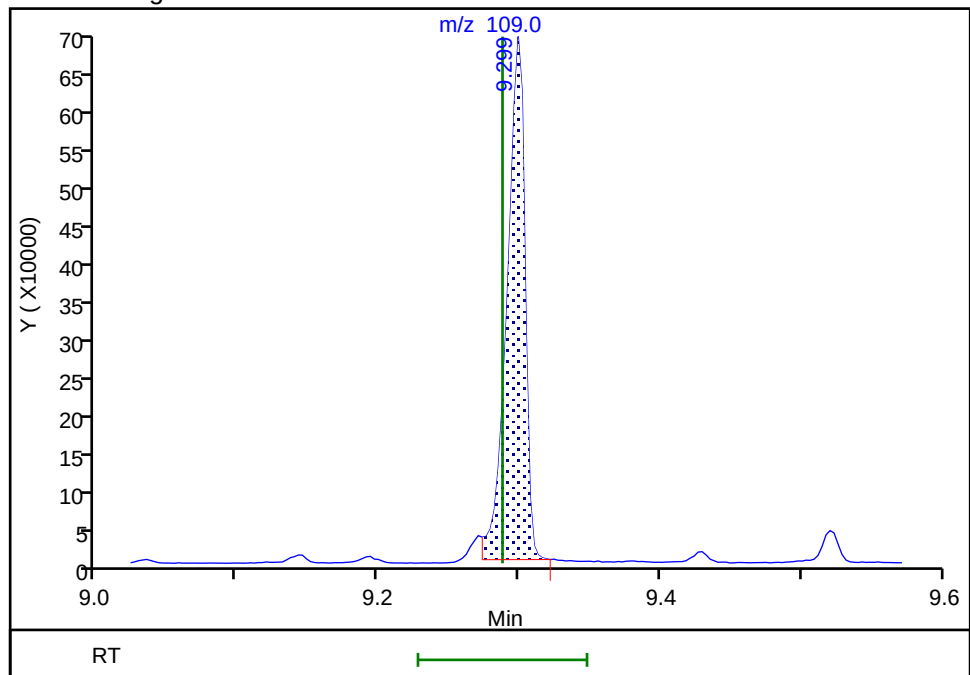
Not Detected

Expected RT: 9.29

Processing Integration Results



Manual Integration Results



RT: 9.30

Area: 608929

Amount: 24.684038

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 17:05:48

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826386.D
 Lims ID: IC - List 1 - 16
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 03-Nov-2021 13:53:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-010
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:02:47 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 17:06:31

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	6.675	6.674	0.001	94	338930	4.00	4.00	a
* 2 Naphthalene-d8	136	7.768	7.767	0.001	99	1293613	4.00	4.00	
* 3 Acenaphthene-d10	164	9.258	9.257	0.001	93	686312	4.00	4.00	
* 4 Phenanthrene-d10	188	10.523	10.519	0.004	95	1180139	4.00	4.00	
* 5 Chrysene-d12	240	13.335	13.323	0.012	96	1038194	4.00	4.00	
* 6 Perylene-d12	264	15.617	15.613	0.004	96	1135014	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.526	5.522	0.004	93	1686419	16.0	16.0	
\$ 8 Phenol-d5	99	6.323	6.314	0.009	0	2024607	16.0	15.6	
\$ 9 Nitrobenzene-d5	82	7.143	7.140	0.003	89	2038167	16.0	16.1	
\$ 10 2-Fluorobiphenyl	172	8.659	8.655	0.004	98	3591839	16.0	15.5	M
\$ 11 2,4,6-Tribromophenol	330	9.924	9.921	0.003	94	538149	16.0	17.2	
\$ 12 p-Terphenyl-d14	244	11.950	11.944	0.006	96	4076372	16.0	15.2	
13 1,4-Dioxane	88	3.770	3.769	0.001	98	655056	16.0	15.4	
14 N-Nitrosodimethylamine	42	4.158	4.143	0.015	92	900509	16.0	15.5	
15 Pyridine	52	4.198	4.192	0.006	91	2312321	32.0	31.0	
35 Benzaldehyde	77	6.304	6.297	0.007	96	2394835	32.0	29.4	
37 Phenol	94	6.338	6.325	0.013	99	2178721	16.0	15.9	
36 Aniline	93	6.394	6.385	0.009	97	2781023	16.0	16.4	
39 Bis(2-chloroethyl)ether	93	6.423	6.416	0.007	93	1430415	16.0	14.0	
40 2-Chlorophenol	128	6.499	6.493	0.006	97	1733872	16.0	15.4	
41 n-Decane	57	6.505	6.504	0.001	90	1926147	16.0	15.3	
43 1,3-Dichlorobenzene	146	6.633	6.629	0.004	98	1979675	16.0	15.5	
44 1,4-Dichlorobenzene	146	6.692	6.689	0.003	94	2020750	16.0	15.5	
45 Benzyl alcohol	108	6.777	6.768	0.009	93	1173139	16.0	15.9	
46 1,2-Dichlorobenzene	146	6.829	6.825	0.004	96	1903867	16.0	15.4	
48 2-Methylphenol	108	6.854	6.848	0.006	97	1601290	16.0	15.6	
49 2,2'-oxybis[1-chloropropane]	45	6.880	6.876	0.004	93	2378900	16.0	14.5	
47 Indene	115	6.911	6.904	0.007	91	12175905	80.0	61.8	e
57 4-Methylphenol	108	6.982	6.972	0.010	98	1420501	16.0	13.9	
53 N-Nitrosodi-n-propylamine	70	6.999	6.987	0.012	90	1039053	16.0	14.1	a
52 Acetophenone	105	7.010	7.004	0.006	94	1971465	16.0	14.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.124	7.123	0.001	96	805815	16.0	15.8	
59 Nitrobenzene	77	7.163	7.157	0.006	88	1625253	16.0	14.8	
62 Isophorone	82	7.359	7.350	0.009	99	2898069	16.0	15.1	
64 2-Nitrophenol	139	7.430	7.426	0.004	75	944931	16.0	16.2	
66 2,4-Dimethylphenol	107	7.430	7.426	0.004	88	1706368	16.0	15.6	
69 Bis(2-chloroethoxy)methane	93	7.510	7.503	0.007	97	1747709	16.0	15.1	
70 Benzoic acid	105	7.598	7.514	0.084	89	6198975	80.0	85.5	M
72 2,4-Dichlorophenol	162	7.632	7.628	0.004	94	1452964	16.0	16.4	
73 1,2,4-Trichlorobenzene	180	7.711	7.707	0.004	94	1536113	16.0	15.8	
74 Naphthalene	128	7.788	7.784	0.004	99	4957489	16.0	14.9	
76 4-Chloroaniline	127	7.807	7.801	0.006	96	1802170	16.0	15.4	
77 2,6-Dichlorophenol	162	7.825	7.818	0.006	96	1308503	16.0	15.3	
79 Hexachlorobutadiene	225	7.878	7.878	0.000	97	915385	16.0	15.9	
84 Caprolactam	113	8.145	8.096	0.049	77	964791	32.0	31.1	a
85 4-Chloro-3-methylphenol	107	8.196	8.184	0.012	95	1280566	16.0	15.0	
87 2-Methylnaphthalene	142	8.366	8.363	0.003	92	3221731	16.0	14.7	
89 1-Methylnaphthalene	142	8.454	8.451	0.003	94	2910643	16.0	14.1	
90 Hexachlorocyclopentadiene	237	8.500	8.499	0.001	96	1010268	16.0	14.9	
91 1,2,4,5-Tetrachlorobenzene	216	8.511	8.508	0.003	97	1626090	16.0	16.6	
93 2,4,6-Trichlorophenol	196	8.594	8.587	0.007	93	1131766	16.0	16.5	
94 2,4,5-Trichlorophenol	196	8.630	8.624	0.006	95	985558	16.0	15.8	
96 1,1'-Biphenyl	154	8.750	8.746	0.004	97	3972706	16.0	15.4	
97 2-Chloronaphthalene	162	8.786	8.783	0.003	98	2798199	16.0	14.5	
100 2-Nitroaniline	65	8.852	8.842	0.010	84	902536	16.0	15.4	
105 Dimethyl phthalate	163	8.977	8.967	0.010	98	3090811	16.0	15.4	
106 1,3-Dinitrobenzene	168	9.019	9.007	0.012	86	539703	16.0	16.6	
107 2,6-Dinitrotoluene	165	9.039	9.030	0.009	94	794226	16.0	15.8	
108 Acenaphthylene	152	9.144	9.140	0.004	98	4951085	16.0	15.7	
109 3-Nitroaniline	138	9.195	9.183	0.012	95	895310	16.0	16.7	
111 2,4-Dinitrophenol	184	9.280	9.268	0.012	86	922643	32.0	34.1	
110 Acenaphthene	153	9.289	9.285	0.004	96	3273692	16.0	15.7	
112 4-Nitrophenol	109	9.306	9.288	0.018	92	884125	32.0	33.2	
114 2,4-Dinitrotoluene	165	9.385	9.376	0.009	94	1054678	16.0	16.0	
115 Dibenzofuran	168	9.431	9.427	0.004	96	4262699	16.0	15.6	
118 2,3,4,6-Tetrachlorophenol	232	9.524	9.518	0.006	74	860146	16.0	16.3	
121 Hexadecane	57	9.550	9.546	0.004	95	2076687	16.0	14.3	
120 Diethyl phthalate	149	9.561	9.555	0.006	98	3291733	16.0	15.1	
123 4-Chlorophenyl phenyl ether	204	9.692	9.688	0.004	92	1718612	16.0	16.0	
126 4-Nitroaniline	138	9.720	9.702	0.018	89	903825	16.0	16.6	
124 Fluorene	166	9.723	9.716	0.007	91	3423398	16.0	15.6	
127 4,6-Dinitro-2-methylphenol	198	9.740	9.725	0.015	87	1103163	32.0	33.7	
129 Diphenylamine	169	9.788	9.782	0.006	93	2450032	13.7	13.2	
130 N-Nitrosodiphenylamine	169	9.788	9.782	0.006	65	2450032	16.0	15.4	
131 1,2-Diphenylhydrazine	77	9.828	9.824	0.004	43	3507678	16.0	15.5	
132 Azobenzene	77	9.828	9.824	0.004	99	3507680	16.0	15.5	
139 4-Bromophenyl phenyl ether	248	10.109	10.105	0.004	66	1030756	16.0	16.2	
140 Hexachlorobenzene	284	10.200	10.193	0.007	95	1217487	16.0	16.9	
143 Atrazine	200	10.211	10.199	0.012	93	1848947	32.0	32.0	
148 n-Octadecane	57	10.322	10.318	0.004	94	2274276	16.0	15.4	
145 Pentachlorophenol	266	10.350	10.343	0.007	93	1293209	32.0	34.2	
151 Phenanthrene	178	10.546	10.539	0.007	98	4755914	16.0	15.1	
152 Anthracene	178	10.588	10.582	0.006	97	4763325	16.0	15.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.702	10.695	0.007	97	4267476	16.0	15.3	
157 Di-n-butyl phthalate	149	10.923	10.919	0.004	100	5425287	16.0	14.9	
164 Fluoranthene	202	11.610	11.603	0.007	99	4980924	16.0	15.4	
166 Benzidine	184	11.695	11.686	0.009	99	5401181	32.0	30.5	
167 Pyrene	202	11.854	11.847	0.007	95	5184929	16.0	14.9	
174 Butyl benzyl phthalate	149	12.461	12.457	0.004	98	2549068	16.0	15.7	
181 Bis(2-ethylhexyl) phthalate	149	13.196	13.190	0.006	97	3786775	16.0	16.1	
179 3,3'-Dichlorobenzidine	252	13.241	13.224	0.017	74	4116958	32.0	32.2	
180 Benzo[a]anthracene	228	13.318	13.312	0.006	99	5014896	16.0	15.3	
182 Chrysene	228	13.378	13.363	0.015	97	4737703	16.0	15.2	
184 Di-n-octyl phthalate	149	14.184	14.174	0.010	99	6403953	16.0	16.2	
186 Benzo[b]fluoranthene	252	14.992	14.974	0.018	98	5390554	16.0	16.1	
187 Benzo[k]fluoranthene	252	15.038	15.017	0.021	97	5412303	16.0	15.8	
189 Benzo[a]pyrene	252	15.540	15.519	0.021	83	5228821	16.0	16.2	
193 Indeno[1,2,3-cd]pyrene	276	17.592	17.551	0.041	96	6182071	16.0	16.0	
194 Dibenz(a,h)anthracene	278	17.606	17.565	0.041	95	5397811	16.0	16.2	
195 Benzo[g,h,i]perylene	276	18.173	18.127	0.046	94	5058996	16.0	16.4	
S 261 Total Cresols	1				0			29.5	

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826386.D

Injection Date: 03-Nov-2021 13:53:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 16

Worklist Smp#: 10

Client ID:

Injection Vol: 2.0 ul

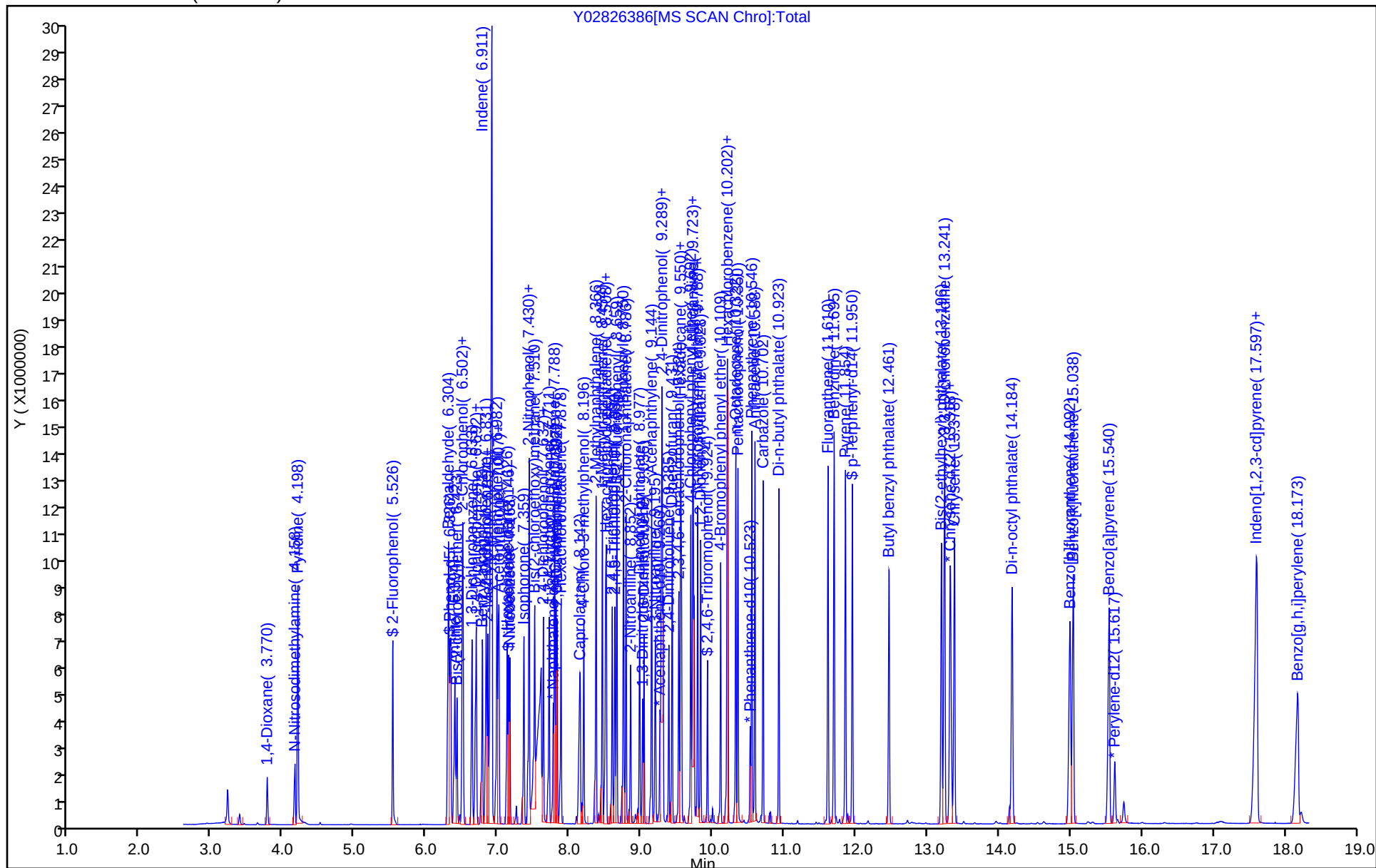
Dil. Factor: 1.0000

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\20211103-102124.b\Y02826386.D

Injection Date: 03-Nov-2021 13:53:30

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

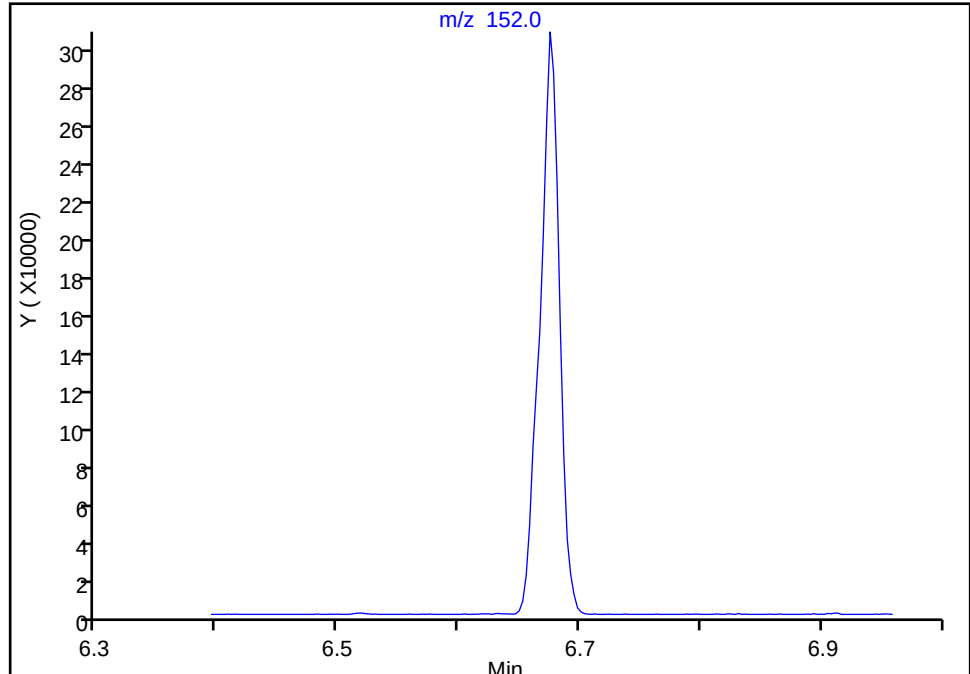
* 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

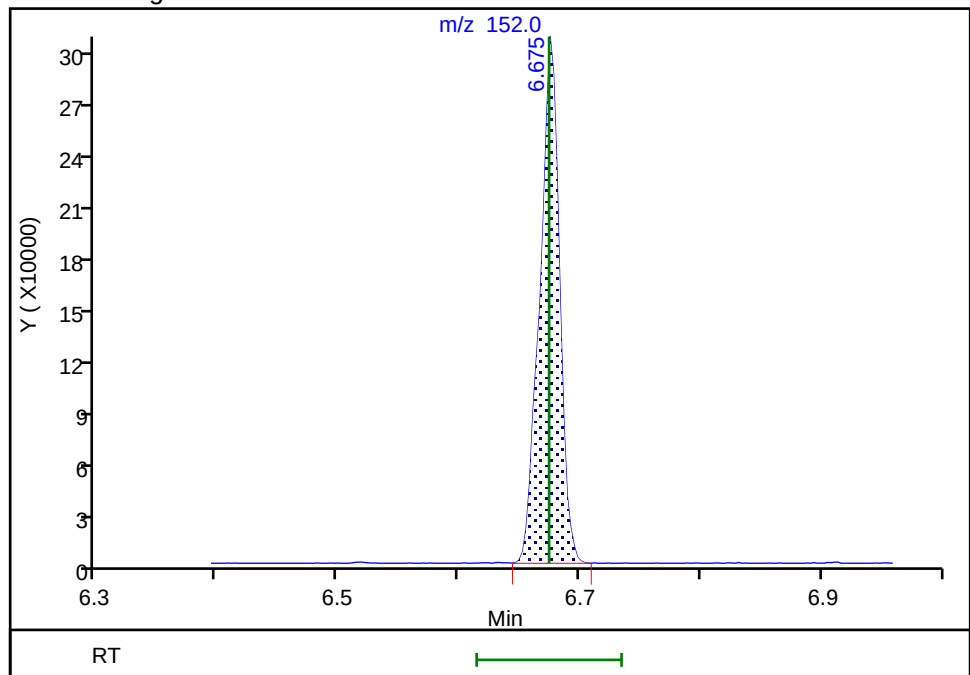
Not Detected

Expected RT: 6.67

Processing Integration Results



Manual Integration Results



RT: 6.68

Area: 338930

Amount: 4.000000

Amount Units: ng/uL

Reviewer: marshallj, 03-Nov-2021 17:06:08

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826386.D

Injection Date: 03-Nov-2021 13:53:30

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

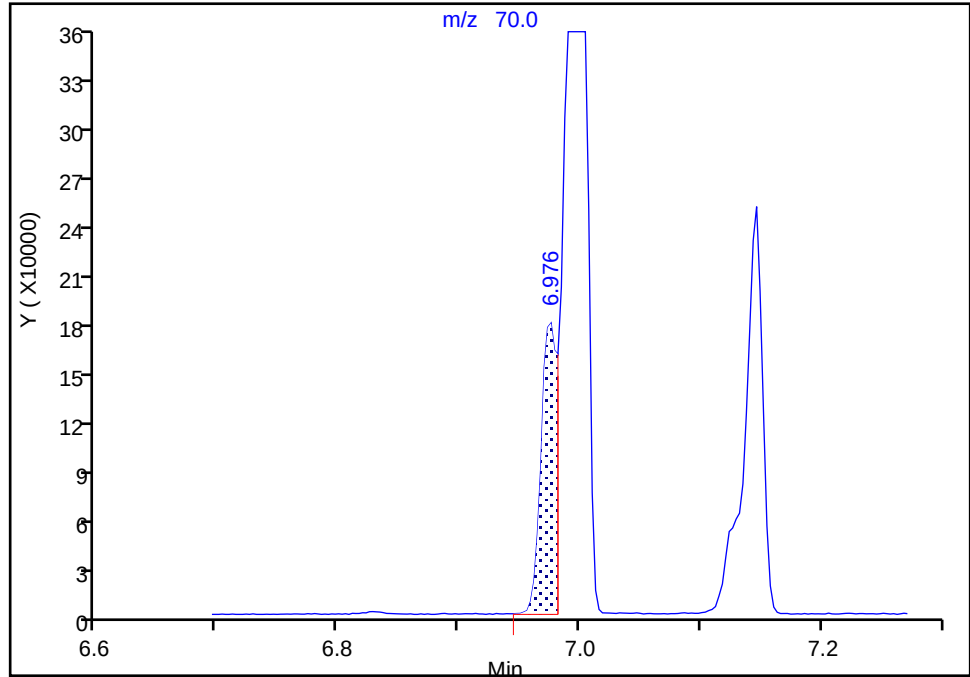
MS SCAN

53 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

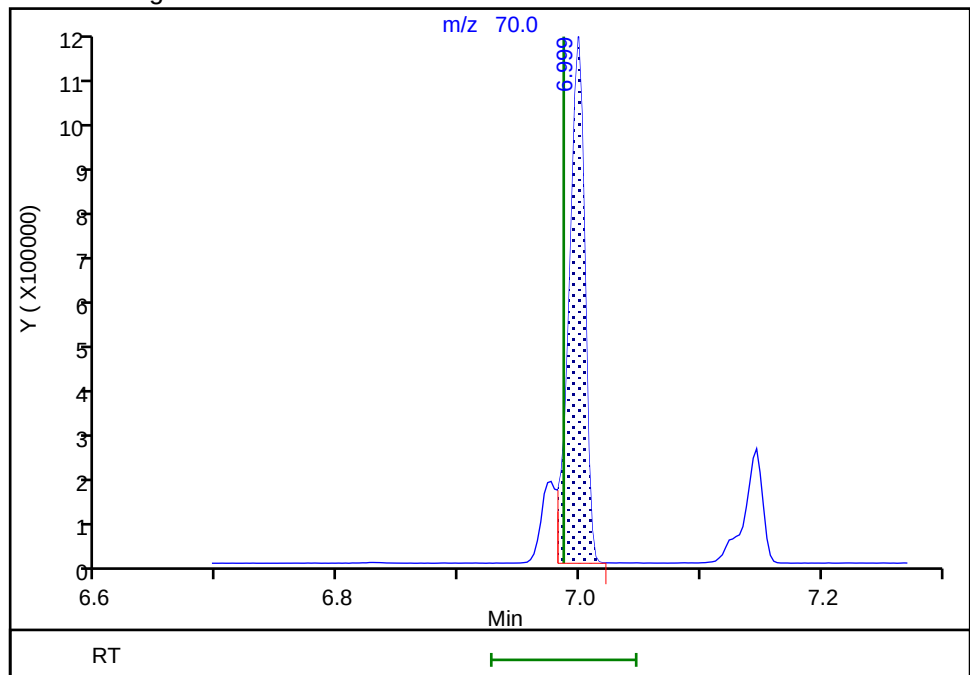
RT: 6.98
Area: 171601
Amount: 2.607961
Amount Units: ng/uL

Processing Integration Results



RT: 7.00
Area: 1039053
Amount: 14.128311
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:06:48

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826386.D

Injection Date: 03-Nov-2021 13:53:30

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)

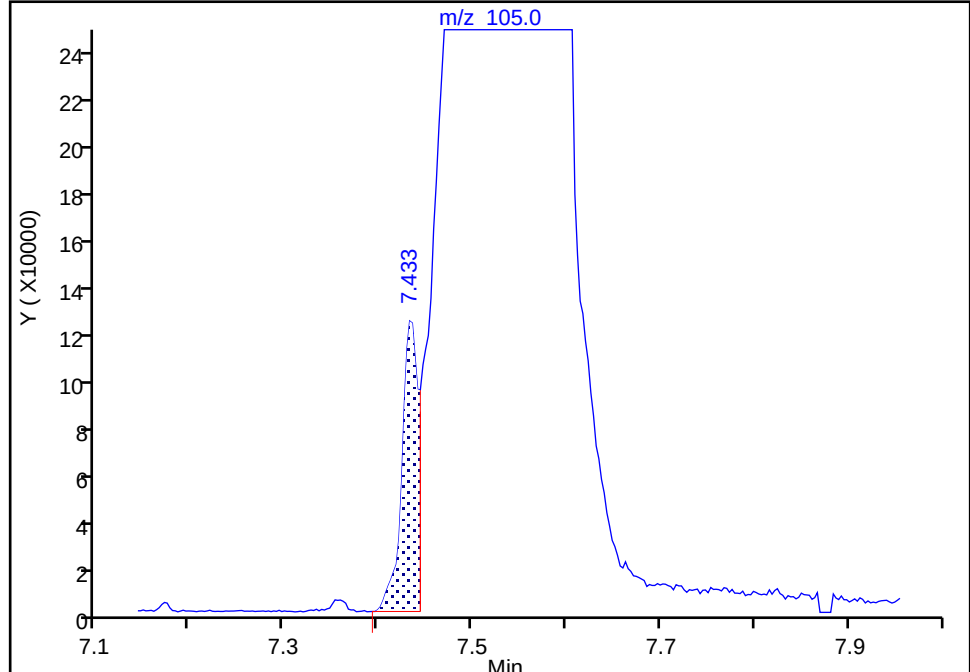
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

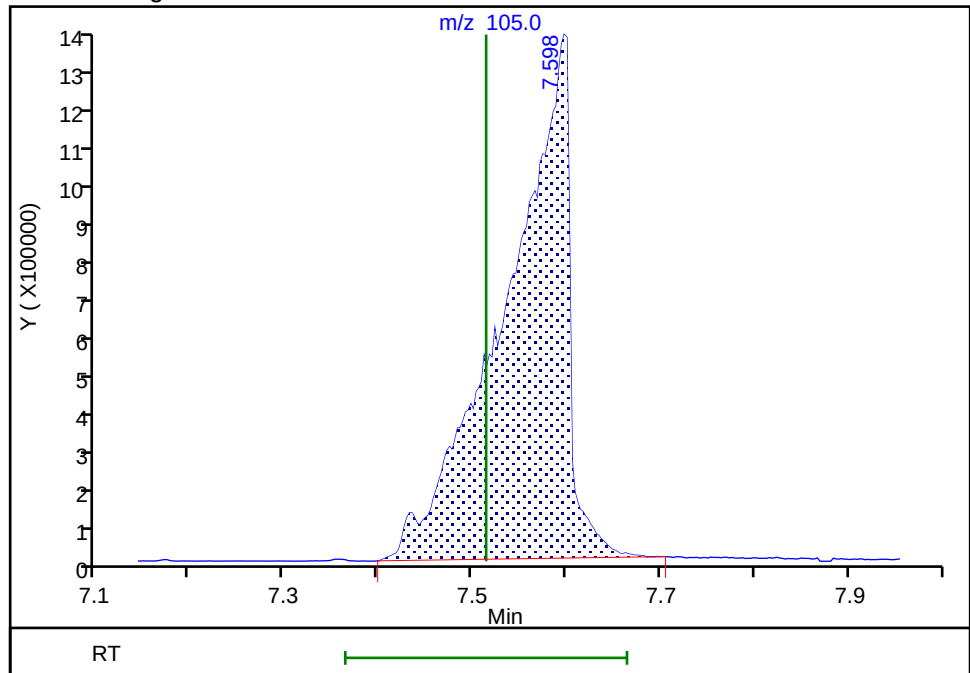
RT: 7.43
Area: 150538
Amount: 3.049314
Amount Units: ng/uL

Processing Integration Results



RT: 7.60
Area: 6198975
Amount: 85.509686
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:06:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826386.D

Injection Date: 03-Nov-2021 13:53:30

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

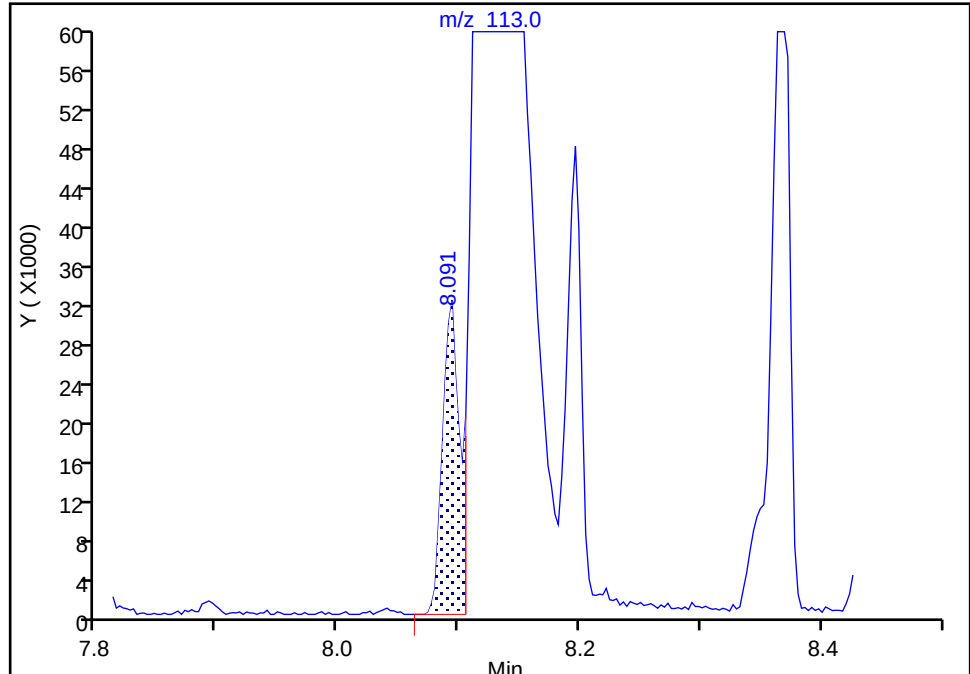
MS SCAN

84 Caprolactam, CAS: 105-60-2

Signal: 1

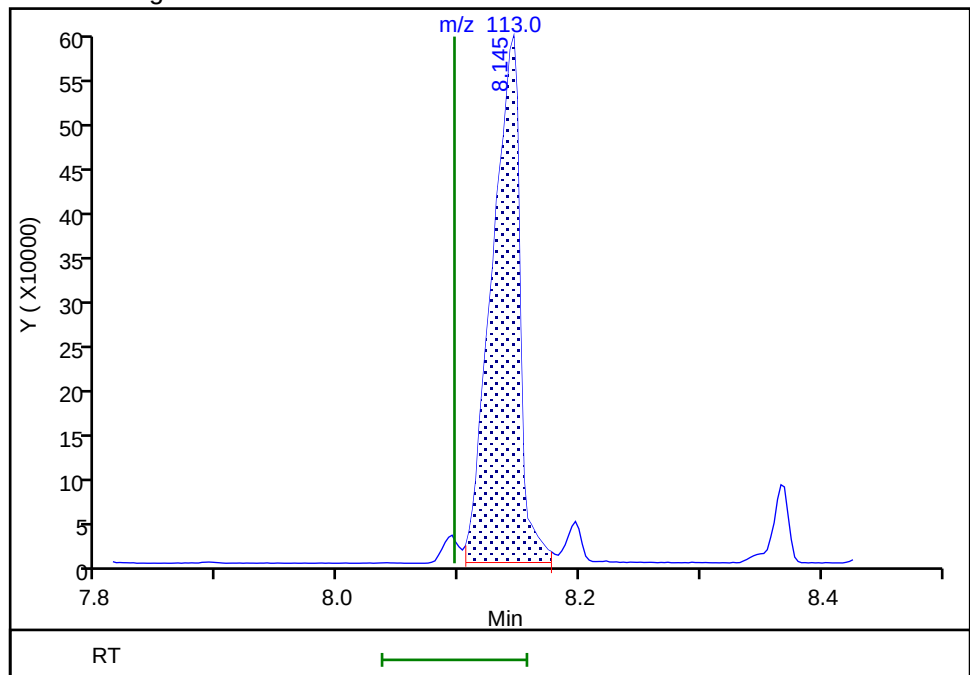
RT: 8.09
Area: 32910
Amount: 1.285201
Amount Units: ng/uL

Processing Integration Results



RT: 8.15
Area: 964791
Amount: 31.120284
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:07:05

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826386.D

Injection Date: 03-Nov-2021 13:53:30

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

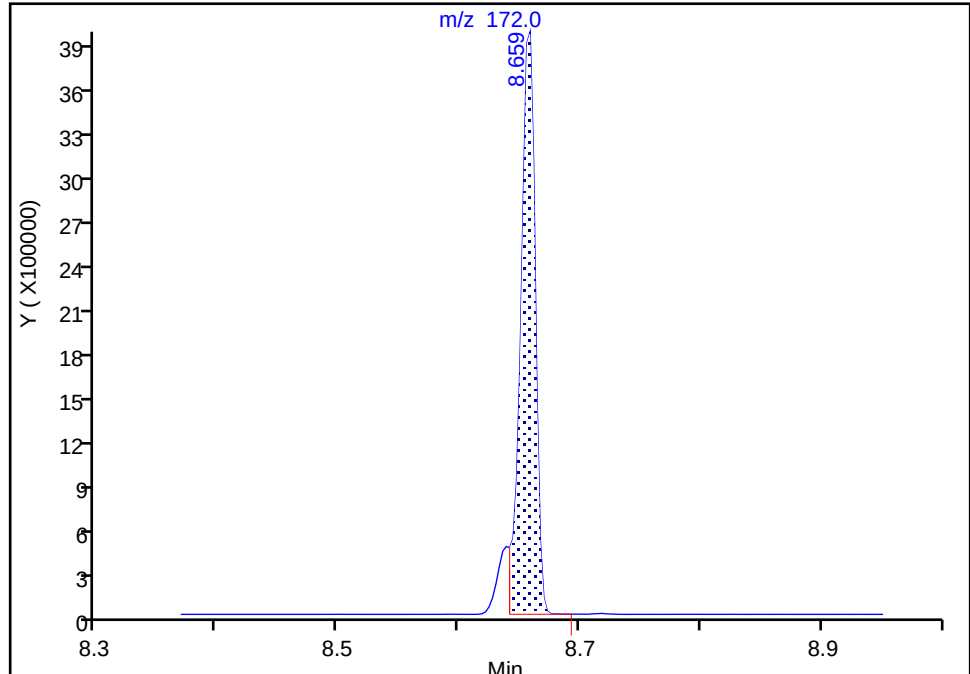
MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

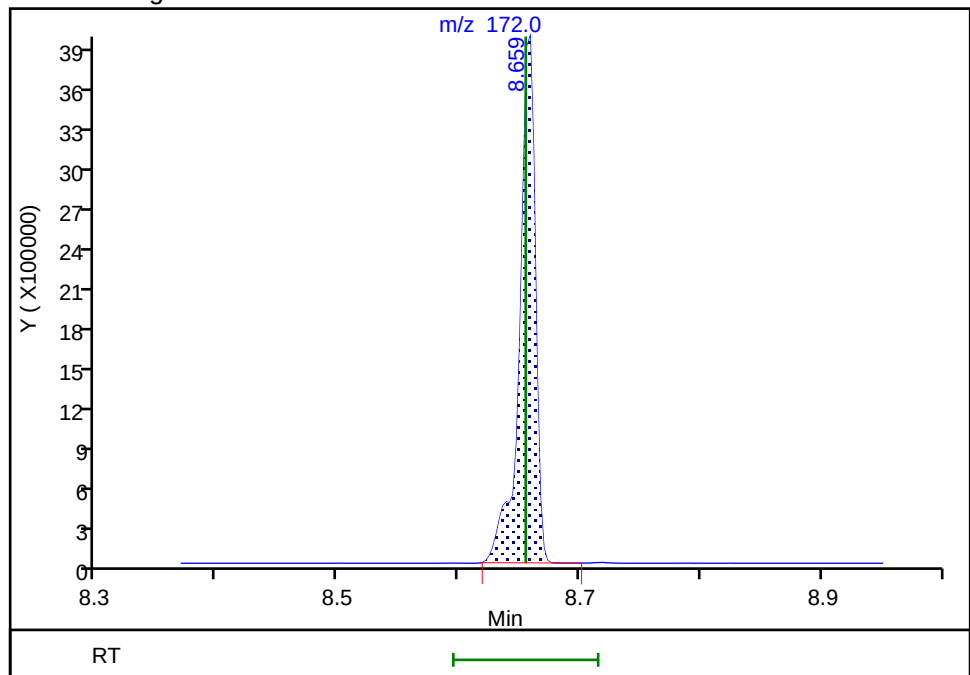
RT: 8.66
Area: 3329125
Amount: 14.474651
Amount Units: ng/uL

Processing Integration Results



RT: 8.66
Area: 3591839
Amount: 15.459237
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 03-Nov-2021 17:17:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

/ 1,4-Dioxane

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

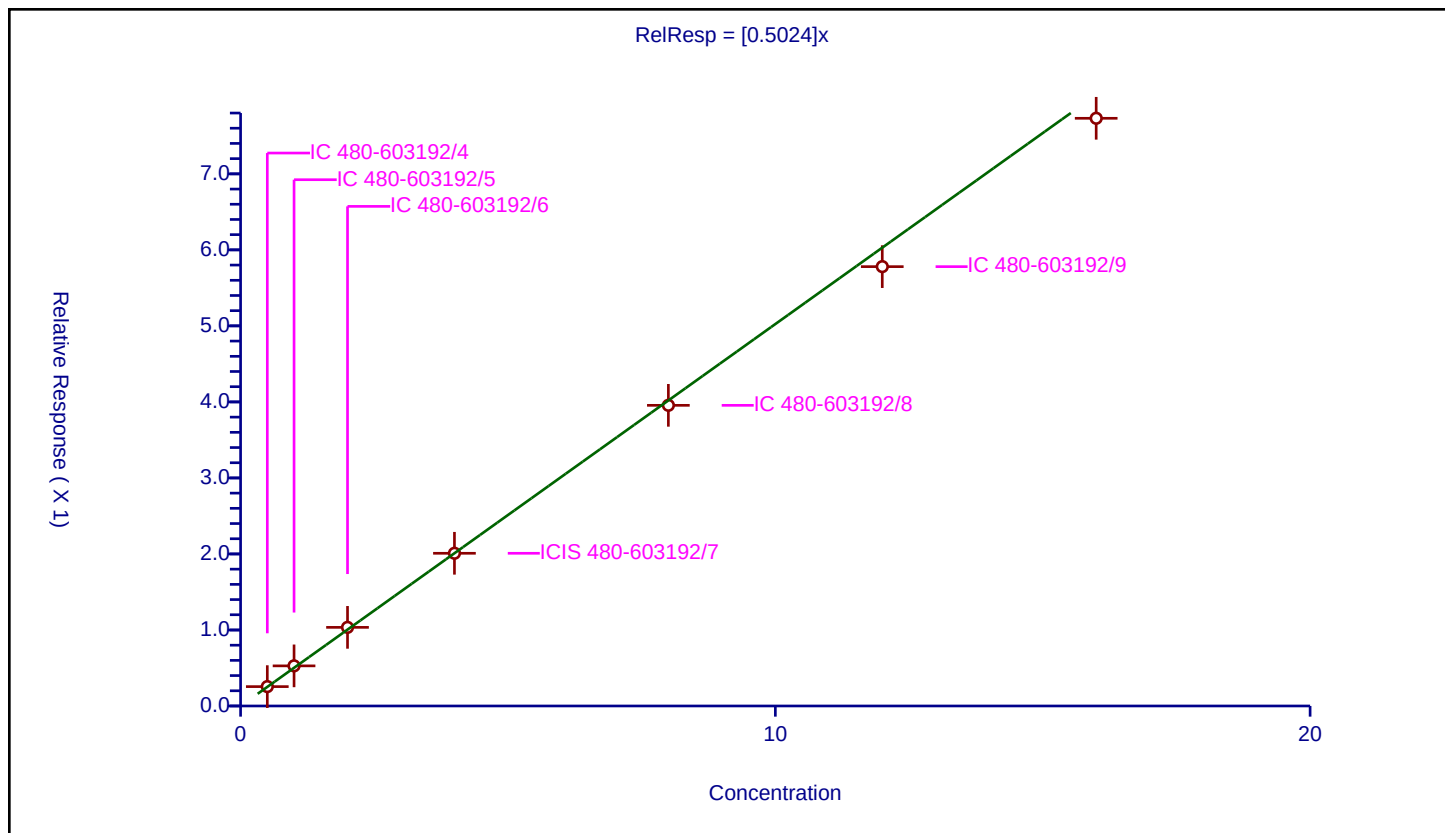
Curve Coefficients

Intercept: 0
 Slope: 0.5024

Error Coefficients

Standard Error: 364000
 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 480-603192/4	0.5	0.255099	4.0	320158.0	0.510198	Y
2	IC 480-603192/5	1.0	0.528117	4.0	315877.0	0.528117	Y
3	IC 480-603192/6	2.0	1.034126	4.0	324154.0	0.517063	Y
4	ICIS 480-603192/7	4.0	2.009043	4.0	324907.0	0.502261	Y
5	IC 480-603192/8	8.0	3.955199	4.0	320620.0	0.4944	Y
6	IC 480-603192/9	12.0	5.779433	4.0	330766.0	0.481619	Y
7	IC 480-603192/10	16.0	7.730871	4.0	338930.0	0.483179	Y



Calibration

/ N-Nitrosodimethylamine

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

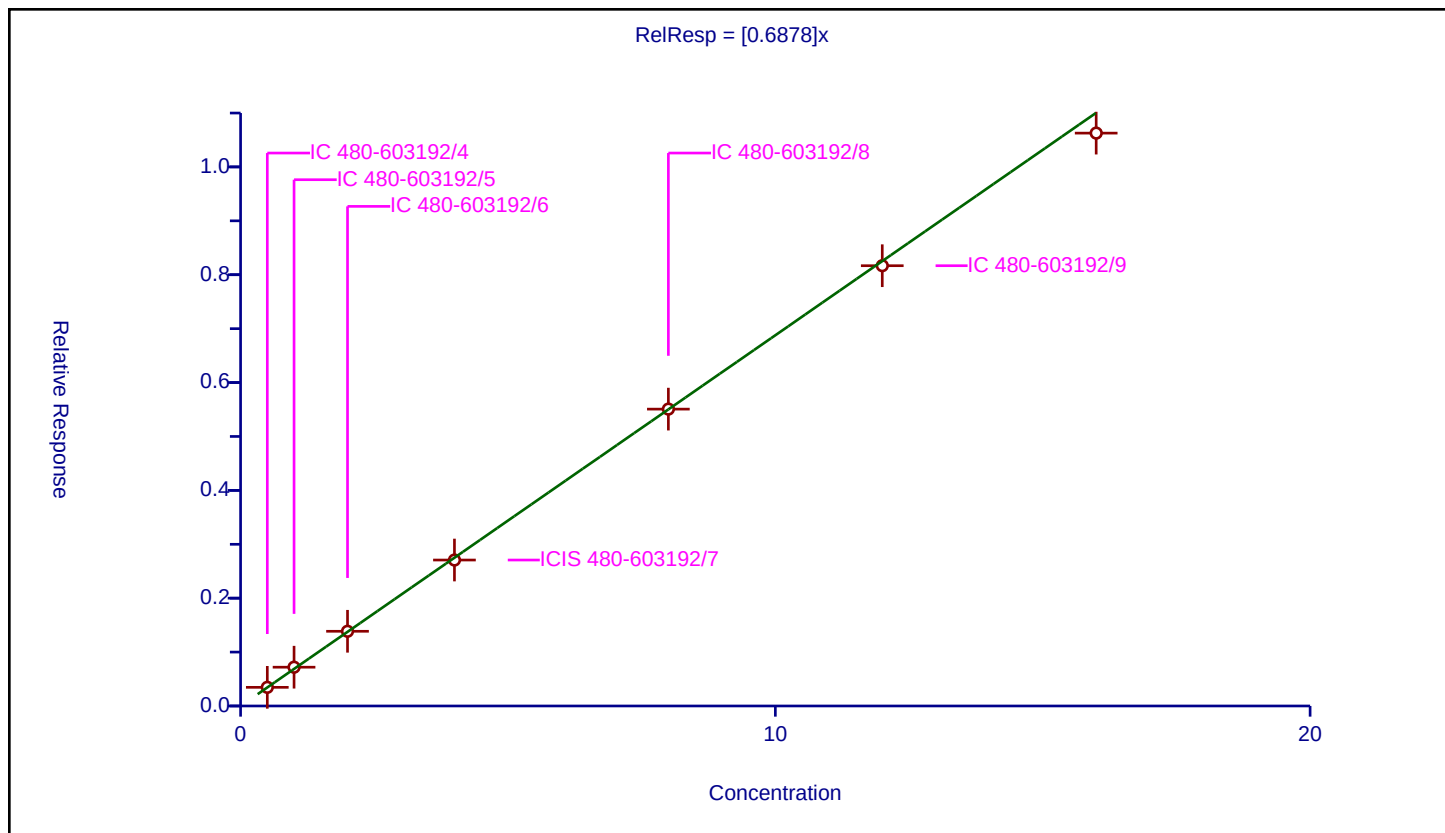
Curve Coefficients

Intercept: 0
 Slope: 0.6878

Error Coefficients

Standard Error: 504000
 Relative Standard Error: 2.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.345829	4.0	320158.0	0.691658	Y
2	IC 480-603192/5	1.0	0.719495	4.0	315877.0	0.719495	Y
3	IC 480-603192/6	2.0	1.385934	4.0	324154.0	0.692967	Y
4	ICIS 480-603192/7	4.0	2.707569	4.0	324907.0	0.676892	Y
5	IC 480-603192/8	8.0	5.507691	4.0	320620.0	0.688461	Y
6	IC 480-603192/9	12.0	8.167756	4.0	330766.0	0.680646	Y
7	IC 480-603192/10	16.0	10.627669	4.0	338930.0	0.664229	Y



Calibration

/ Pyridine

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

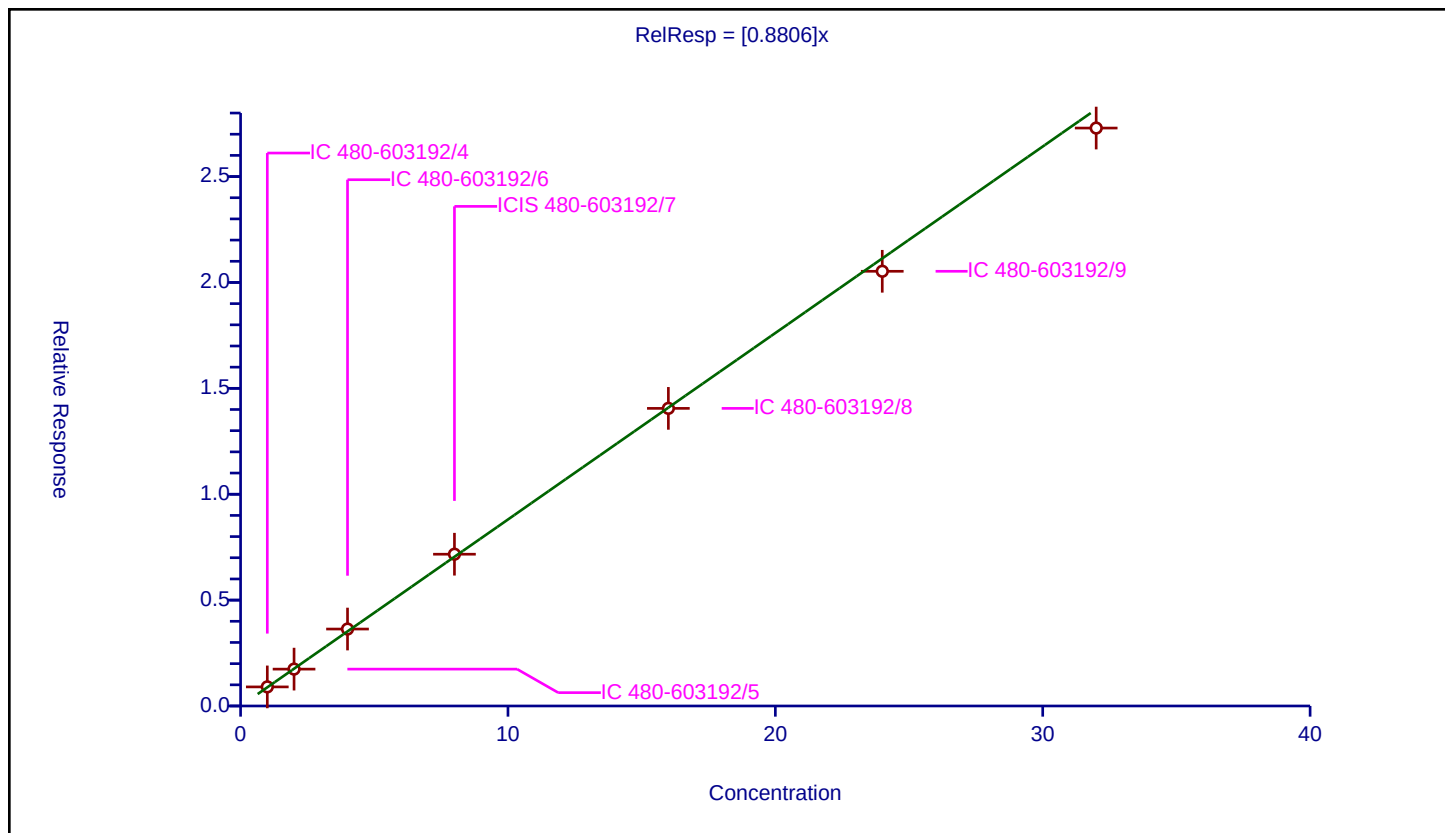
Curve Coefficients

Intercept: 0
 Slope: 0.8806

Error Coefficients

Standard Error: 1290000
 Relative Standard Error: 2.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	1.0	0.902329	4.0	320158.0	0.902329	Y
2	IC 480-603192/5	2.0	1.74202	4.0	315877.0	0.87101	Y
3	IC 480-603192/6	4.0	3.633804	4.0	324154.0	0.908451	Y
4	ICIS 480-603192/7	8.0	7.168082	4.0	324907.0	0.89601	Y
5	IC 480-603192/8	16.0	14.054981	4.0	320620.0	0.878436	Y
6	IC 480-603192/9	24.0	20.528349	4.0	330766.0	0.855348	Y
7	IC 480-603192/10	32.0	27.289659	4.0	338930.0	0.852802	Y



Calibration

/ 2-Fluorophenol

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

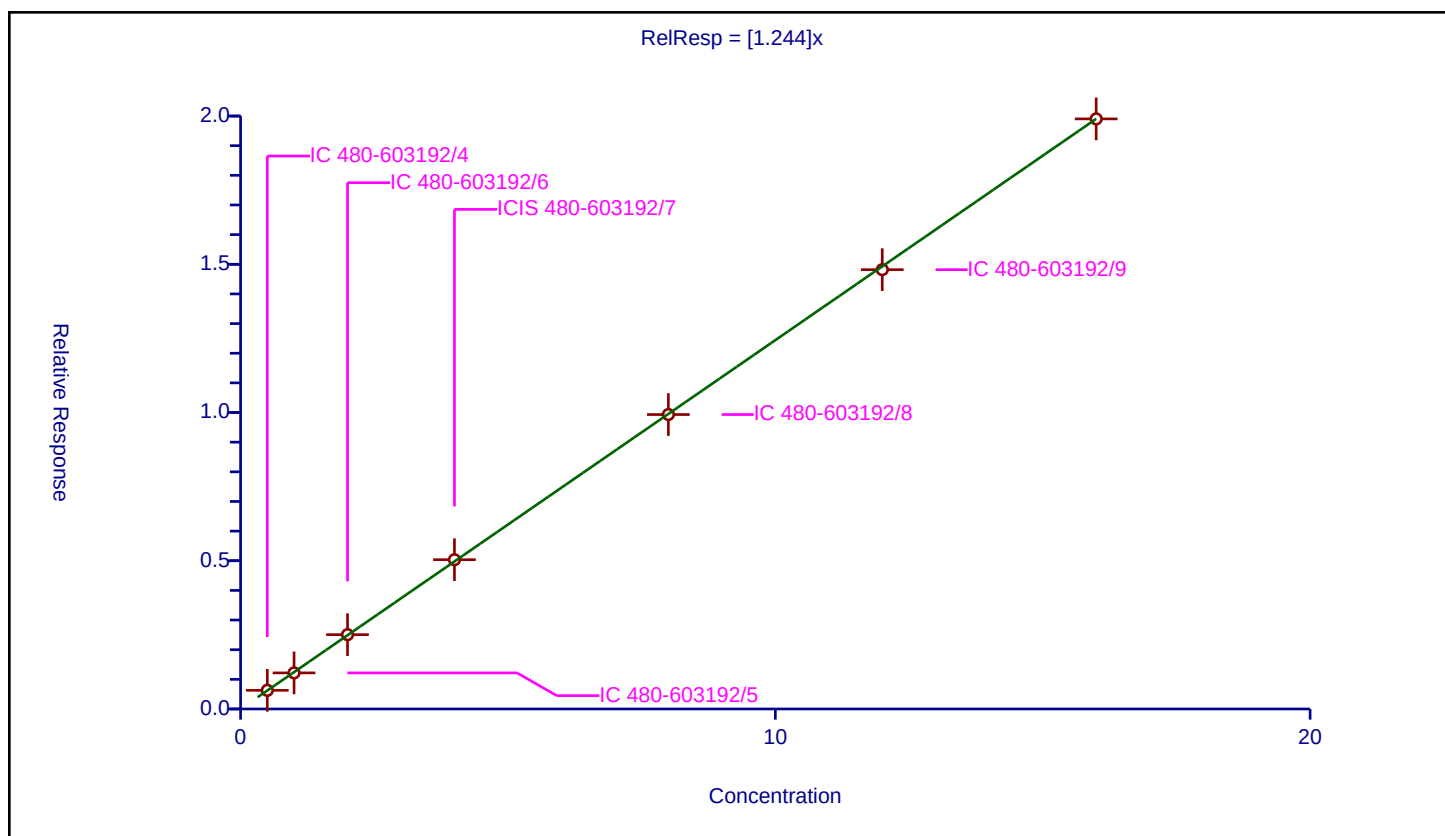
Curve Coefficients

Intercept: 0
Slope: 1.244

Error Coefficients

Standard Error: 931000
Relative Standard Error: 1.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.629227	4.0	320158.0	1.258454	Y
2	IC 480-603192/5	1.0	1.21736	4.0	315877.0	1.21736	Y
3	IC 480-603192/6	2.0	2.507574	4.0	324154.0	1.253787	Y
4	ICIS 480-603192/7	4.0	5.034967	4.0	324907.0	1.258742	Y
5	IC 480-603192/8	8.0	9.931919	4.0	320620.0	1.24149	Y
6	IC 480-603192/9	12.0	14.81746	4.0	330766.0	1.234788	Y
7	IC 480-603192/10	16.0	19.902859	4.0	338930.0	1.243929	Y



Calibration

/ Benzaldehyde

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

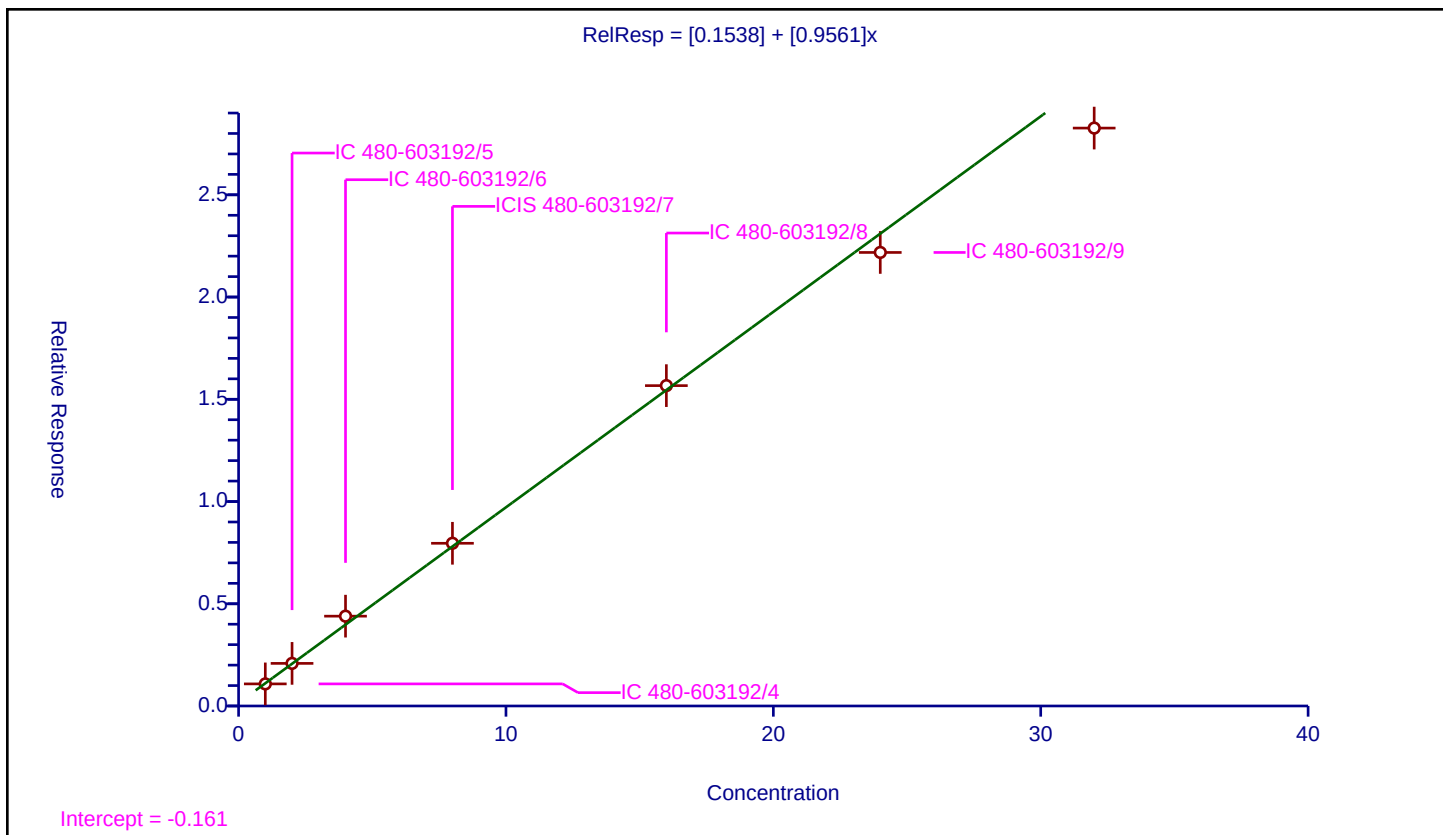
Curve Coefficients

Intercept: 0.1538
 Slope: 0.9561

Error Coefficients

Standard Error: 1500000
 Relative Standard Error: 6.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	1.0	1.080304	4.0	320158.0	1.080304	Y
2	IC 480-603192/5	2.0	2.083735	4.0	315877.0	1.041868	Y
3	IC 480-603192/6	4.0	4.393566	4.0	324154.0	1.098392	Y
4	ICIS 480-603192/7	8.0	7.958487	4.0	324907.0	0.994811	Y
5	IC 480-603192/8	16.0	15.668243	4.0	320620.0	0.979265	Y
6	IC 480-603192/9	24.0	22.181748	4.0	330766.0	0.924239	Y
7	IC 480-603192/10	32.0	28.263476	4.0	338930.0	0.883234	Y



Calibration

/ Phenol-d5

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

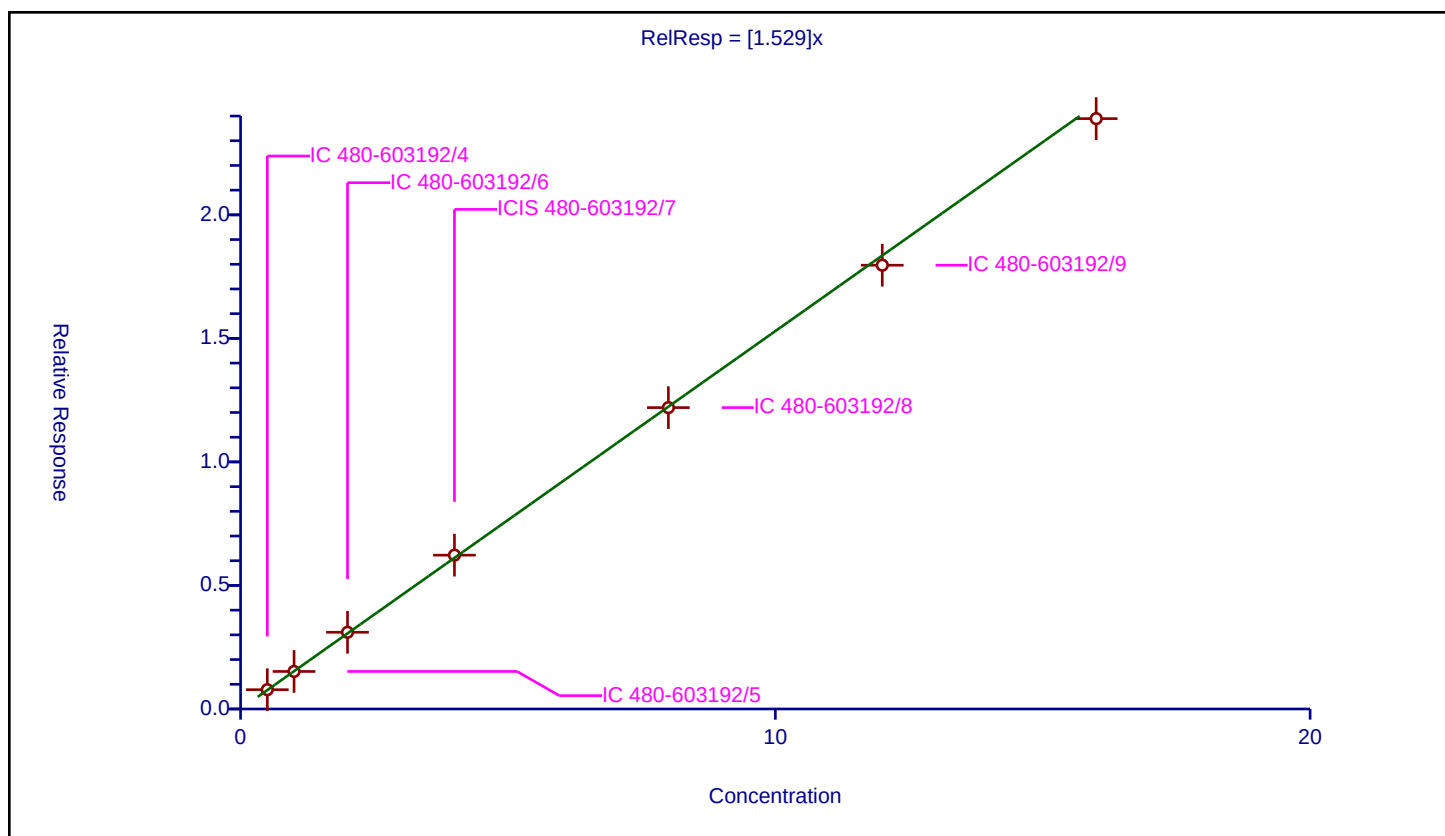
Curve Coefficients

Intercept: 0
 Slope: 1.529

Error Coefficients

Standard Error: 1130000
 Relative Standard Error: 1.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.781252	4.0	320158.0	1.562504	Y
2	IC 480-603192/5	1.0	1.520022	4.0	315877.0	1.520022	Y
3	IC 480-603192/6	2.0	3.104561	4.0	324154.0	1.552281	Y
4	ICIS 480-603192/7	4.0	6.225486	4.0	324907.0	1.556372	Y
5	IC 480-603192/8	8.0	12.197605	4.0	320620.0	1.524701	Y
6	IC 480-603192/9	12.0	17.962197	4.0	330766.0	1.49685	Y
7	IC 480-603192/10	16.0	23.894102	4.0	338930.0	1.493381	Y



Calibration

/ Phenol

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

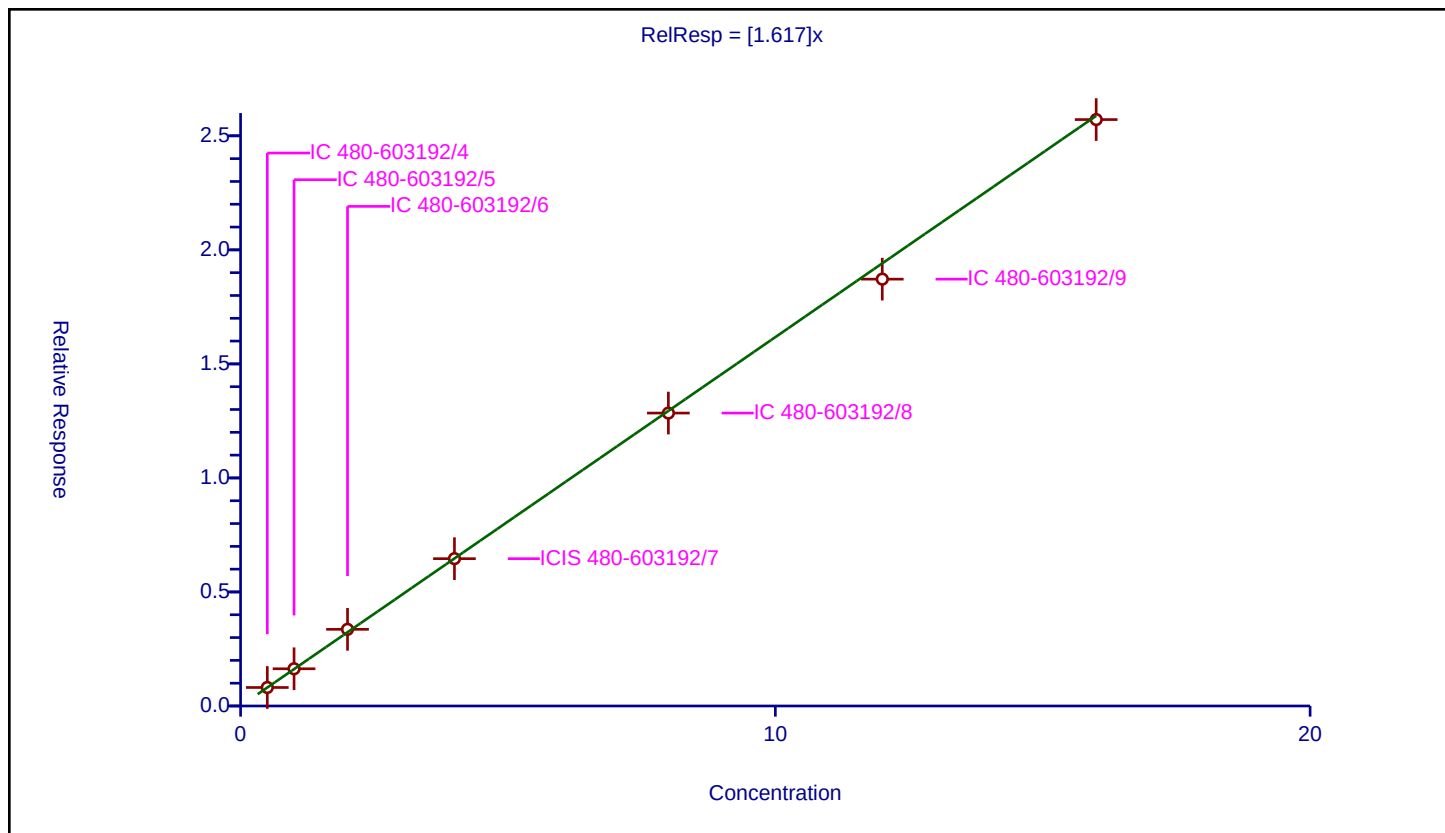
Curve Coefficients

Intercept: 0
 Slope: 1.617

Error Coefficients

Standard Error: 1200000
 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 480-603192/4	0.5	0.811075	4.0	320158.0	1.622149	Y
2	IC 480-603192/5	1.0	1.631496	4.0	315877.0	1.631496	Y
3	IC 480-603192/6	2.0	3.361489	4.0	324154.0	1.680744	Y
4	ICIS 480-603192/7	4.0	6.460889	4.0	324907.0	1.615222	Y
5	IC 480-603192/8	8.0	12.843628	4.0	320620.0	1.605453	Y
6	IC 480-603192/9	12.0	18.716277	4.0	330766.0	1.55969	Y
7	IC 480-603192/10	16.0	25.712932	4.0	338930.0	1.607058	Y



Calibration

/ Aniline

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

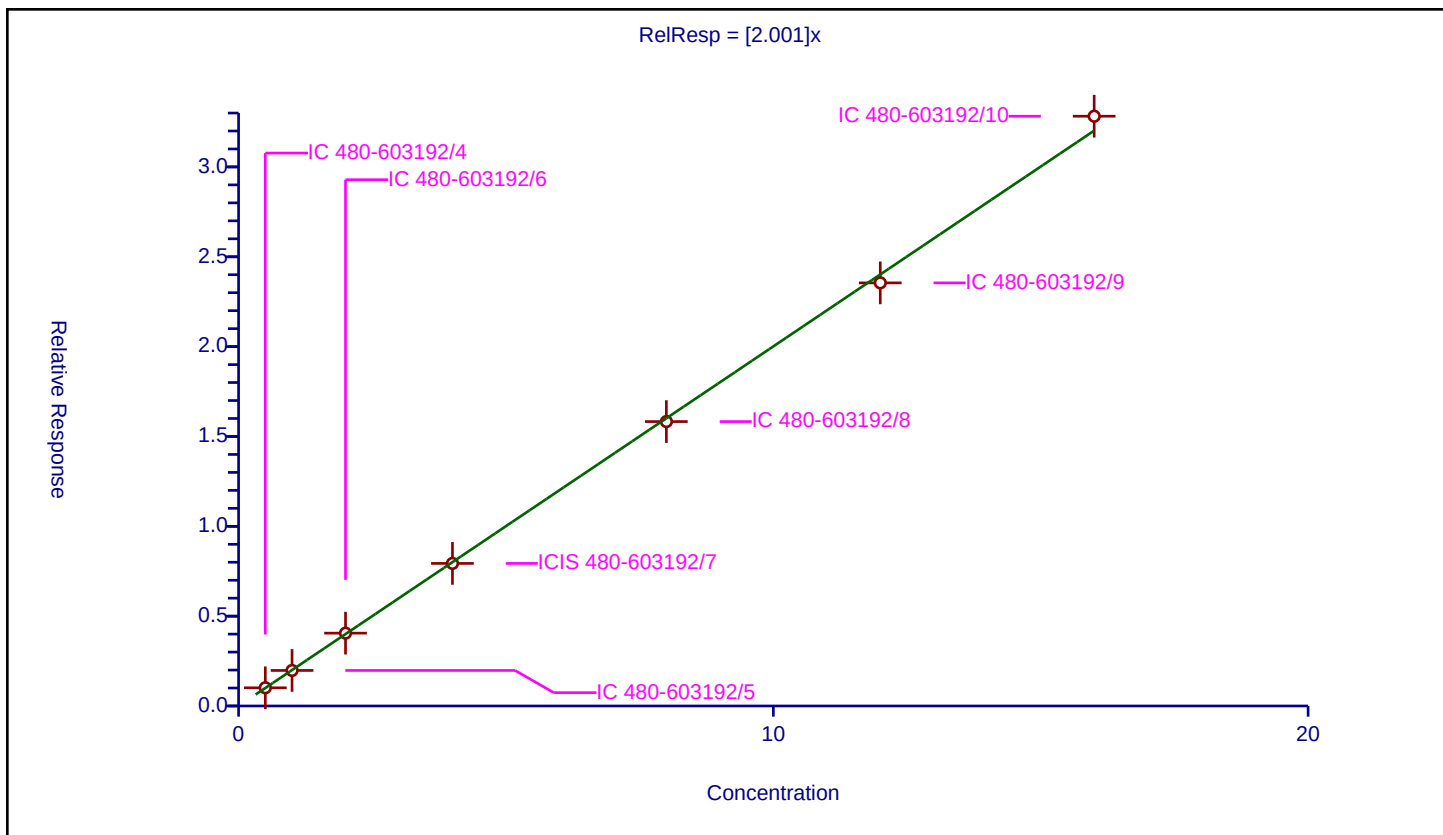
Curve Coefficients

Intercept: 0
 Slope: 2.001

Error Coefficients

Standard Error: 1510000
 Relative Standard Error: 1.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	1.014724	4.0	320158.0	2.029448	Y
2	IC 480-603192/5	1.0	1.977073	4.0	315877.0	1.977073	Y
3	IC 480-603192/6	2.0	4.053802	4.0	324154.0	2.026901	Y
4	ICIS 480-603192/7	4.0	7.93512	4.0	324907.0	1.98378	Y
5	IC 480-603192/8	8.0	15.829493	4.0	320620.0	1.978687	Y
6	IC 480-603192/9	12.0	23.547402	4.0	330766.0	1.962284	Y
7	IC 480-603192/10	16.0	32.821208	4.0	338930.0	2.051325	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

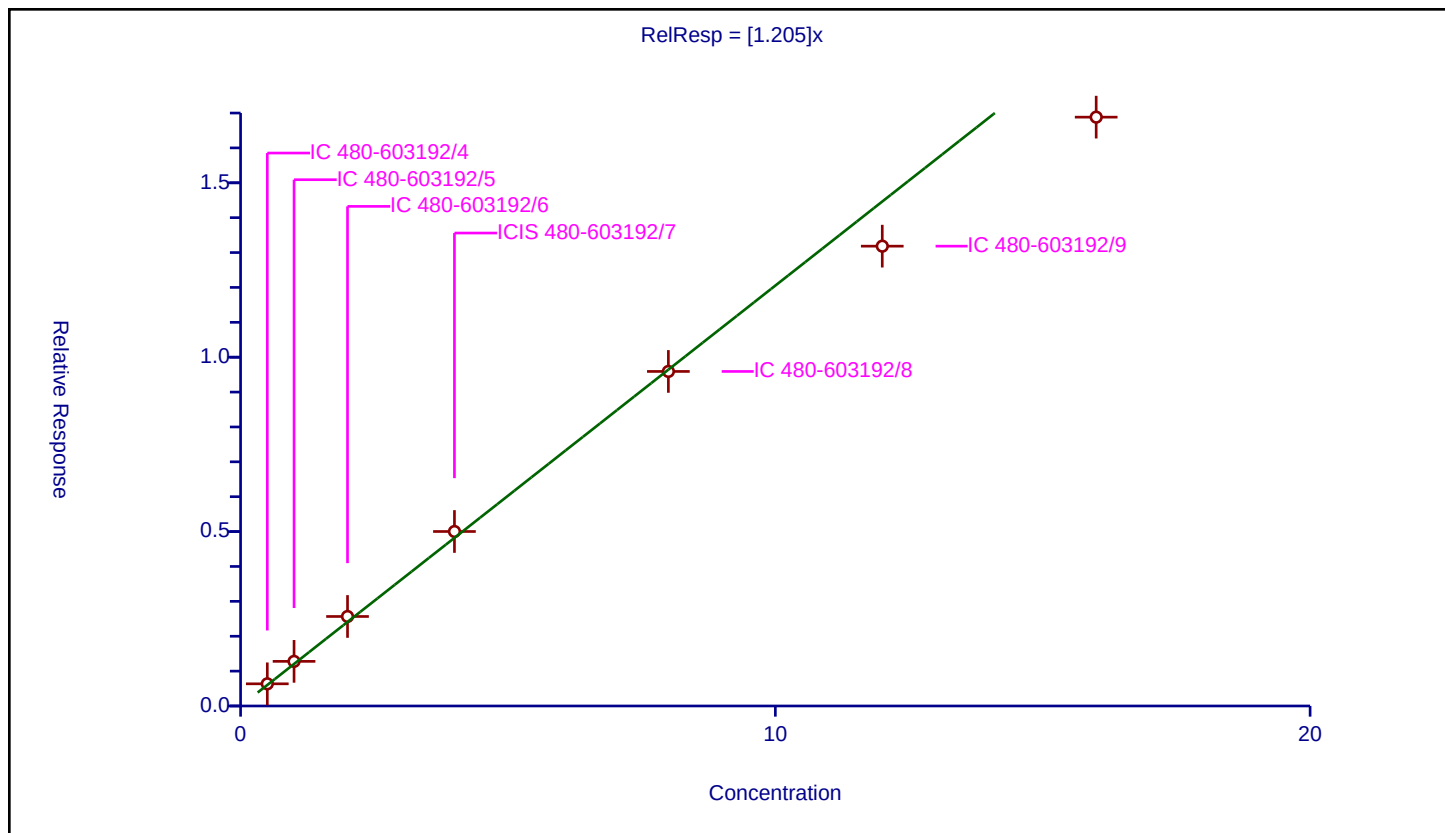
Curve Coefficients

Intercept: 0
 Slope: 1.205

Error Coefficients

Standard Error: 821000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.635561	4.0	320158.0	1.271122	Y
2	IC 480-603192/5	1.0	1.279143	4.0	315877.0	1.279143	Y
3	IC 480-603192/6	2.0	2.566397	4.0	324154.0	1.283199	Y
4	ICIS 480-603192/7	4.0	5.002736	4.0	324907.0	1.250684	Y
5	IC 480-603192/8	8.0	9.591429	4.0	320620.0	1.198929	Y
6	IC 480-603192/9	12.0	13.183024	4.0	330766.0	1.098585	Y
7	IC 480-603192/10	16.0	16.881539	4.0	338930.0	1.055096	Y



Calibration

/ 2-Chlorophenol

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

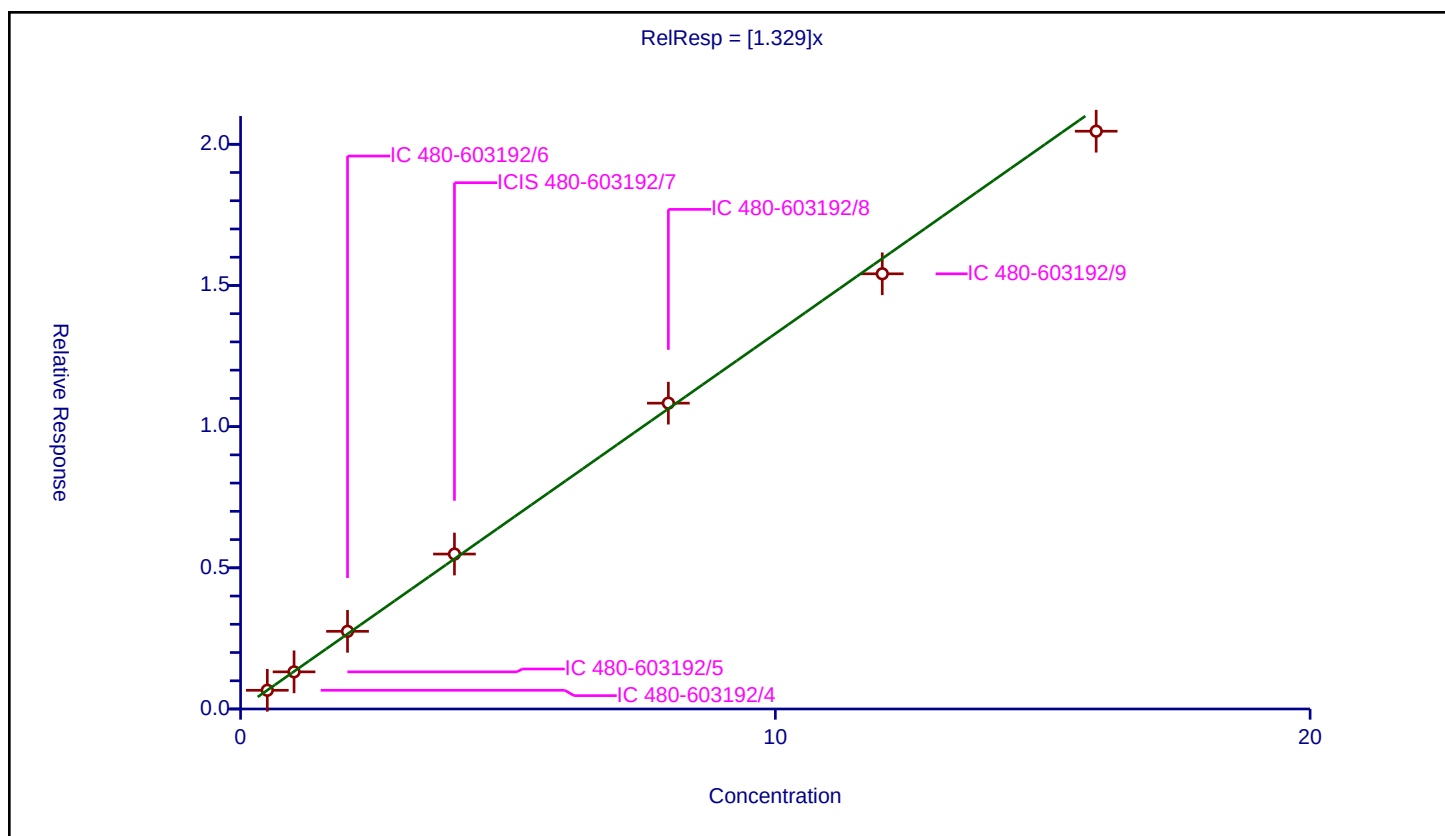
Curve Coefficients

Intercept: 0
 Slope: 1.329

Error Coefficients

Standard Error: 970000
 Relative Standard Error: 3.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.66311	4.0	320158.0	1.32622	Y
2	IC 480-603192/5	1.0	1.315006	4.0	315877.0	1.315006	Y
3	IC 480-603192/6	2.0	2.75031	4.0	324154.0	1.375155	Y
4	ICIS 480-603192/7	4.0	5.487343	4.0	324907.0	1.371836	Y
5	IC 480-603192/8	8.0	10.831838	4.0	320620.0	1.35398	Y
6	IC 480-603192/9	12.0	15.413362	4.0	330766.0	1.284447	Y
7	IC 480-603192/10	16.0	20.462892	4.0	338930.0	1.278931	Y



Calibration

/ n-Decane

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

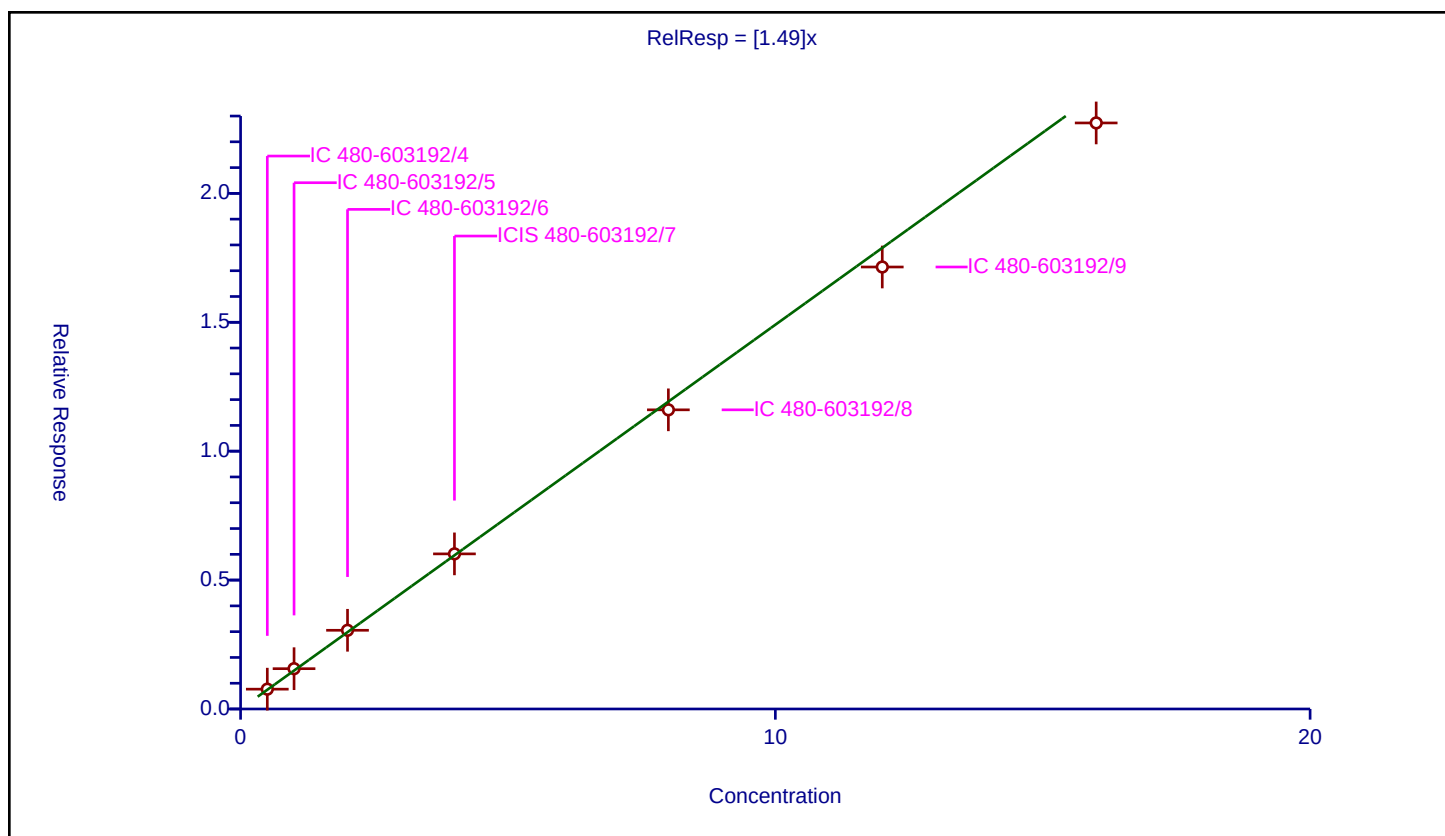
Curve Coefficients

Intercept: 0
 Slope: 1.49

Error Coefficients

Standard Error: 1070000
 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 480-603192/4	0.5	0.76942	4.0	320158.0	1.53884	Y
2	IC 480-603192/5	1.0	1.563837	4.0	315877.0	1.563837	Y
3	IC 480-603192/6	2.0	3.052574	4.0	324154.0	1.526287	Y
4	ICIS 480-603192/7	4.0	6.016922	4.0	324907.0	1.50423	Y
5	IC 480-603192/8	8.0	11.603668	4.0	320620.0	1.450458	Y
6	IC 480-603192/9	12.0	17.143298	4.0	330766.0	1.428608	Y
7	IC 480-603192/10	16.0	22.732092	4.0	338930.0	1.420756	Y



Calibration

/ 1,3-Dichlorobenzene

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

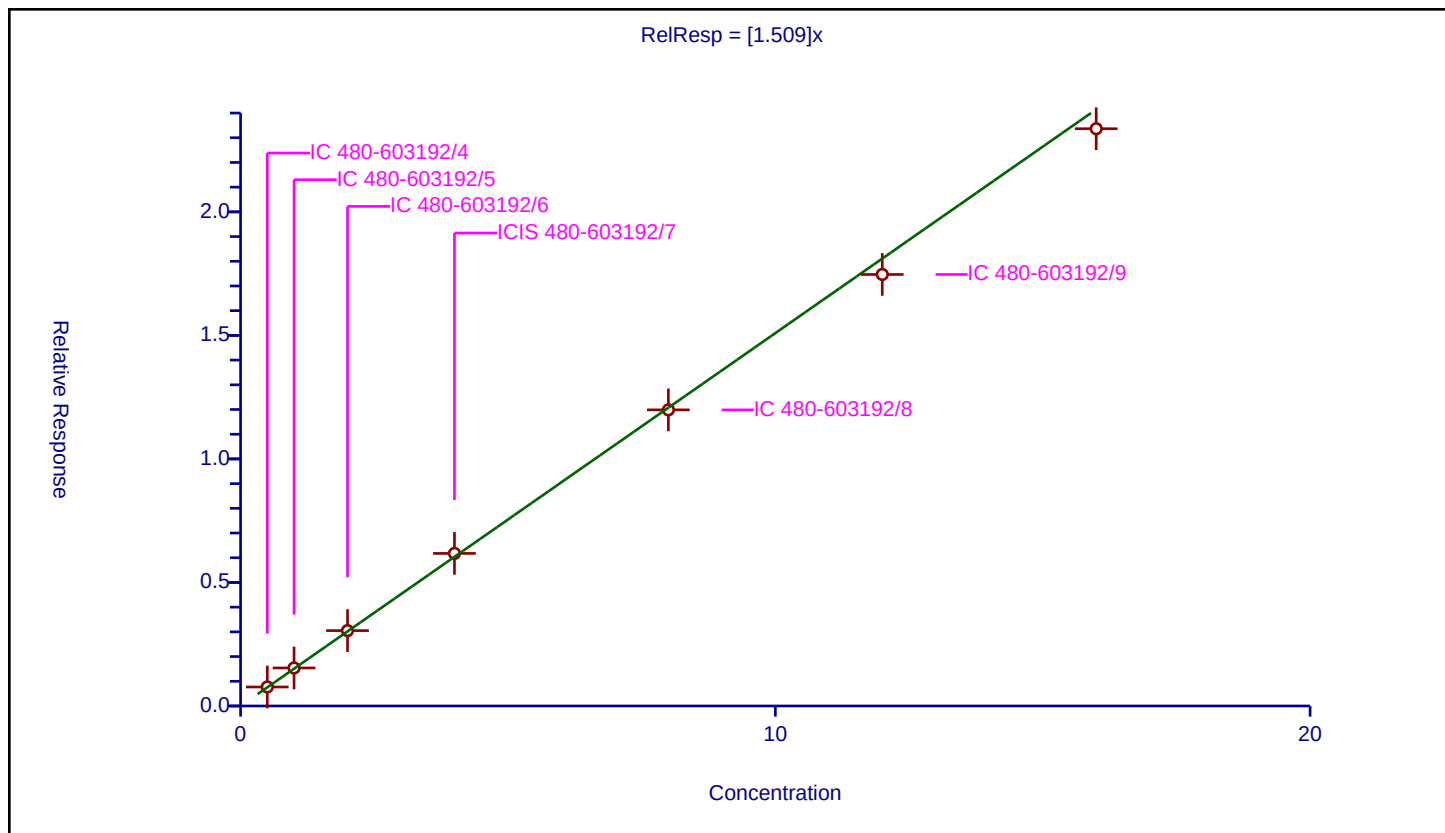
Curve Coefficients

Intercept: 0
 Slope: 1.509

Error Coefficients

Standard Error: 1100000
 Relative Standard Error: 2.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.770382	4.0	320158.0	1.540764	Y
2	IC 480-603192/5	1.0	1.54008	4.0	315877.0	1.54008	Y
3	IC 480-603192/6	2.0	3.050501	4.0	324154.0	1.52525	Y
4	ICIS 480-603192/7	4.0	6.17549	4.0	324907.0	1.543873	Y
5	IC 480-603192/8	8.0	11.986102	4.0	320620.0	1.498263	Y
6	IC 480-603192/9	12.0	17.465519	4.0	330766.0	1.45546	Y
7	IC 480-603192/10	16.0	23.363821	4.0	338930.0	1.460239	Y



Calibration

/ 1,4-Dichlorobenzene

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

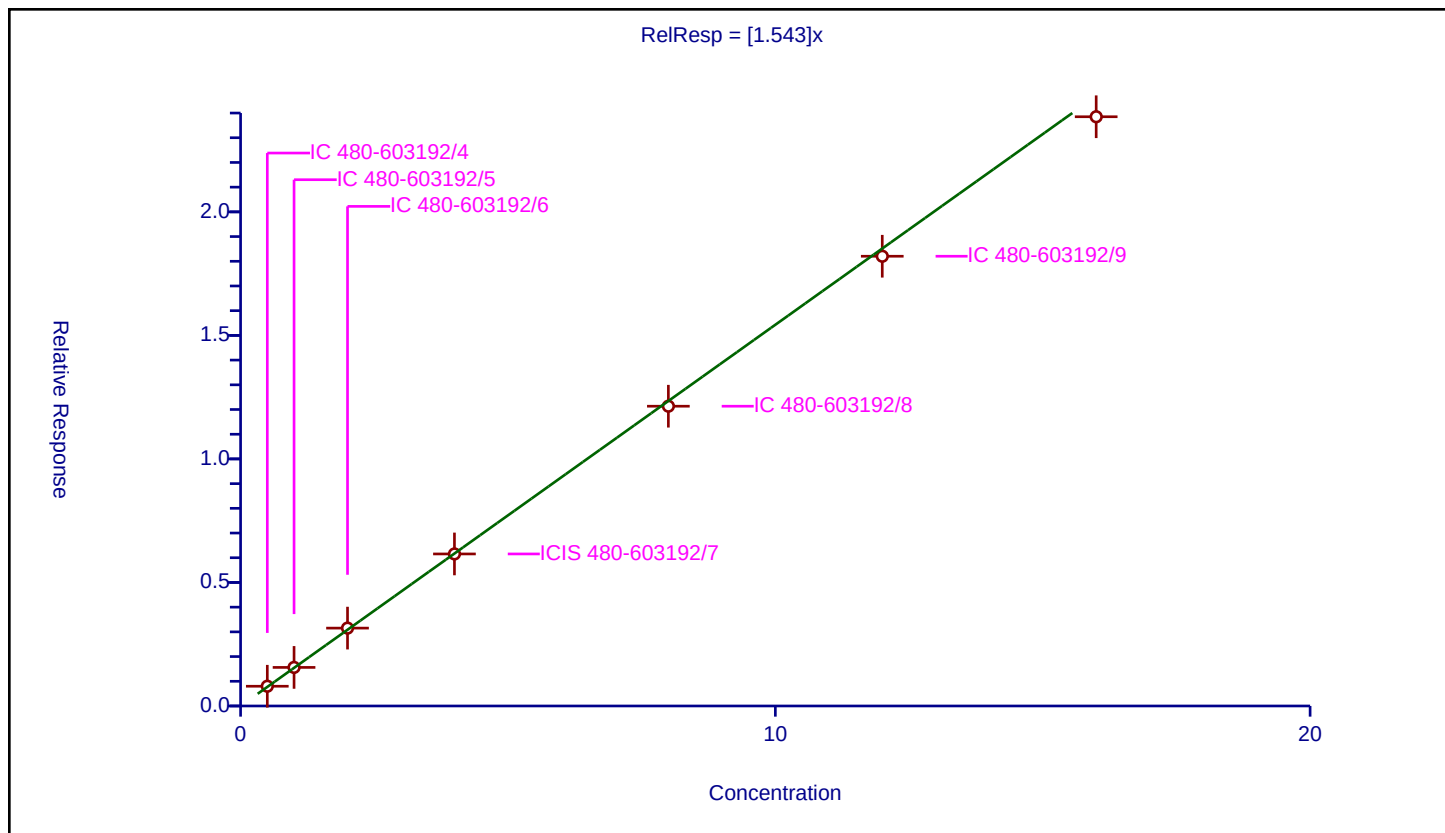
Curve Coefficients

Intercept: 0
 Slope: 1.543

Error Coefficients

Standard Error: 1130000
 Relative Standard Error: 2.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.800255	4.0	320158.0	1.60051	Y
2	IC 480-603192/5	1.0	1.561443	4.0	315877.0	1.561443	Y
3	IC 480-603192/6	2.0	3.152354	4.0	324154.0	1.576177	Y
4	ICIS 480-603192/7	4.0	6.15466	4.0	324907.0	1.538665	Y
5	IC 480-603192/8	8.0	12.134602	4.0	320620.0	1.516825	Y
6	IC 480-603192/9	12.0	18.203201	4.0	330766.0	1.516933	Y
7	IC 480-603192/10	16.0	23.848582	4.0	338930.0	1.490536	Y



Calibration

/ Benzyl alcohol

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

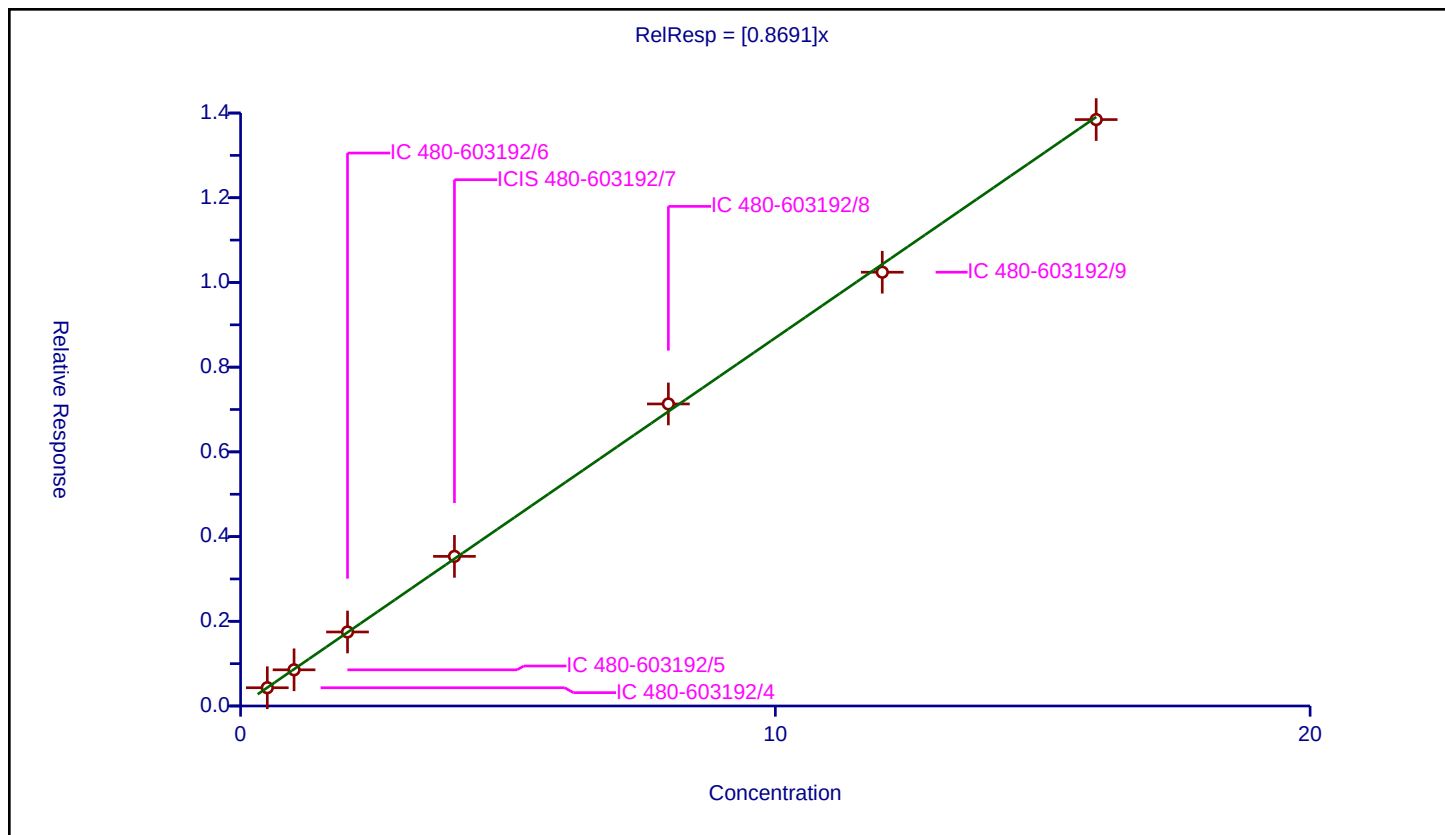
Curve Coefficients

Intercept: 0
 Slope: 0.8691

Error Coefficients

Standard Error: 649000
 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 480-603192/4	0.5	0.43125	4.0	320158.0	0.862499	Y
2	IC 480-603192/5	1.0	0.854206	4.0	315877.0	0.854206	Y
3	IC 480-603192/6	2.0	1.747244	4.0	324154.0	0.873622	Y
4	ICIS 480-603192/7	4.0	3.532912	4.0	324907.0	0.883228	Y
5	IC 480-603192/8	8.0	7.131845	4.0	320620.0	0.891481	Y
6	IC 480-603192/9	12.0	10.242008	4.0	330766.0	0.853501	Y
7	IC 480-603192/10	16.0	13.845207	4.0	338930.0	0.865325	Y



Calibration

/ 1,2-Dichlorobenzene

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

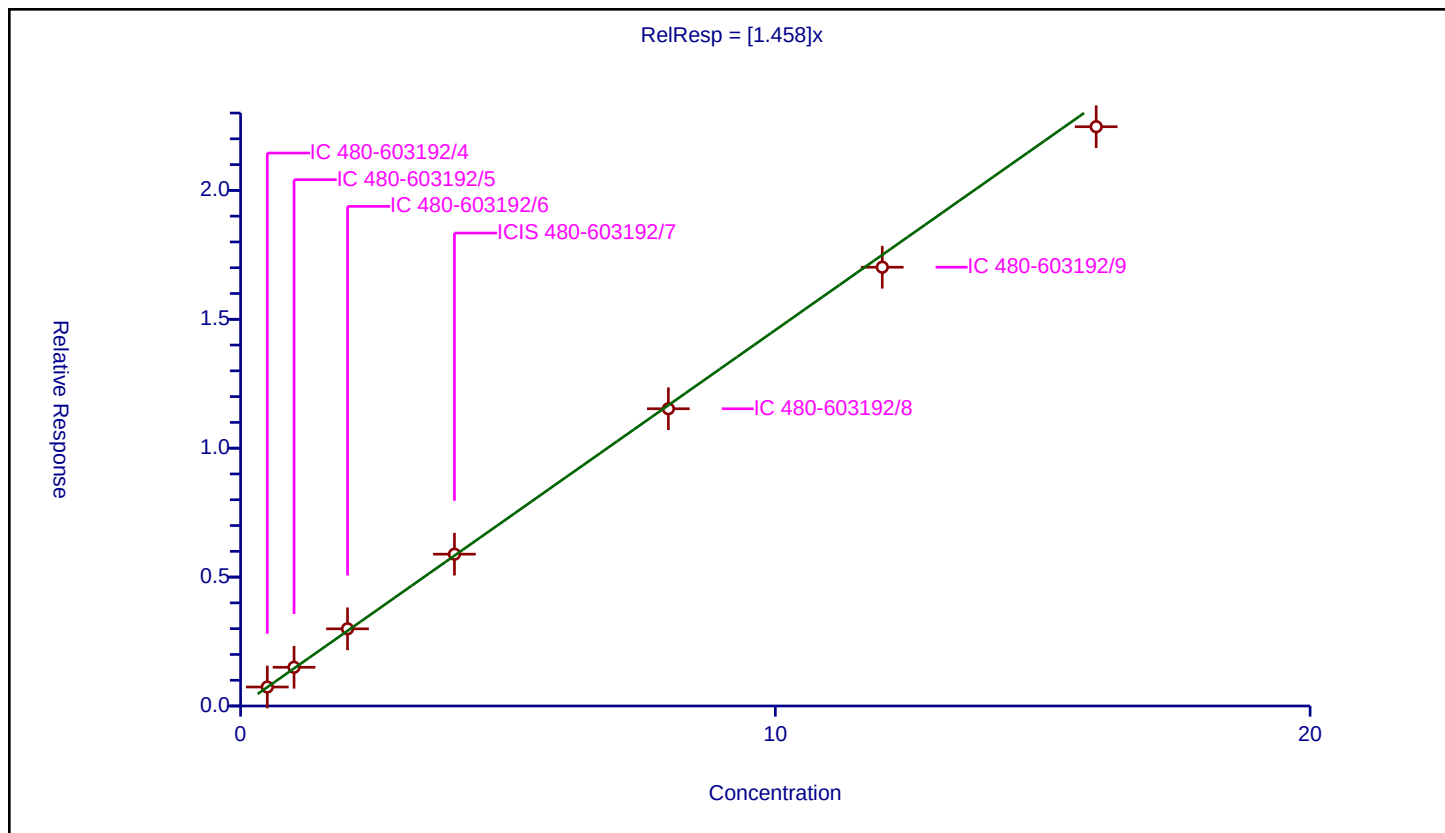
Curve Coefficients

Intercept: 0
 Slope: 1.458

Error Coefficients

Standard Error: 1060000
 Relative Standard Error: 2.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.735962	4.0	320158.0	1.471923	Y
2	IC 480-603192/5	1.0	1.502484	4.0	315877.0	1.502484	Y
3	IC 480-603192/6	2.0	2.993466	4.0	324154.0	1.496733	Y
4	ICIS 480-603192/7	4.0	5.88875	4.0	324907.0	1.472187	Y
5	IC 480-603192/8	8.0	11.529299	4.0	320620.0	1.441162	Y
6	IC 480-603192/9	12.0	17.0195	4.0	330766.0	1.418292	Y
7	IC 480-603192/10	16.0	22.469147	4.0	338930.0	1.404322	Y



Calibration

/ 2-Methylphenol

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

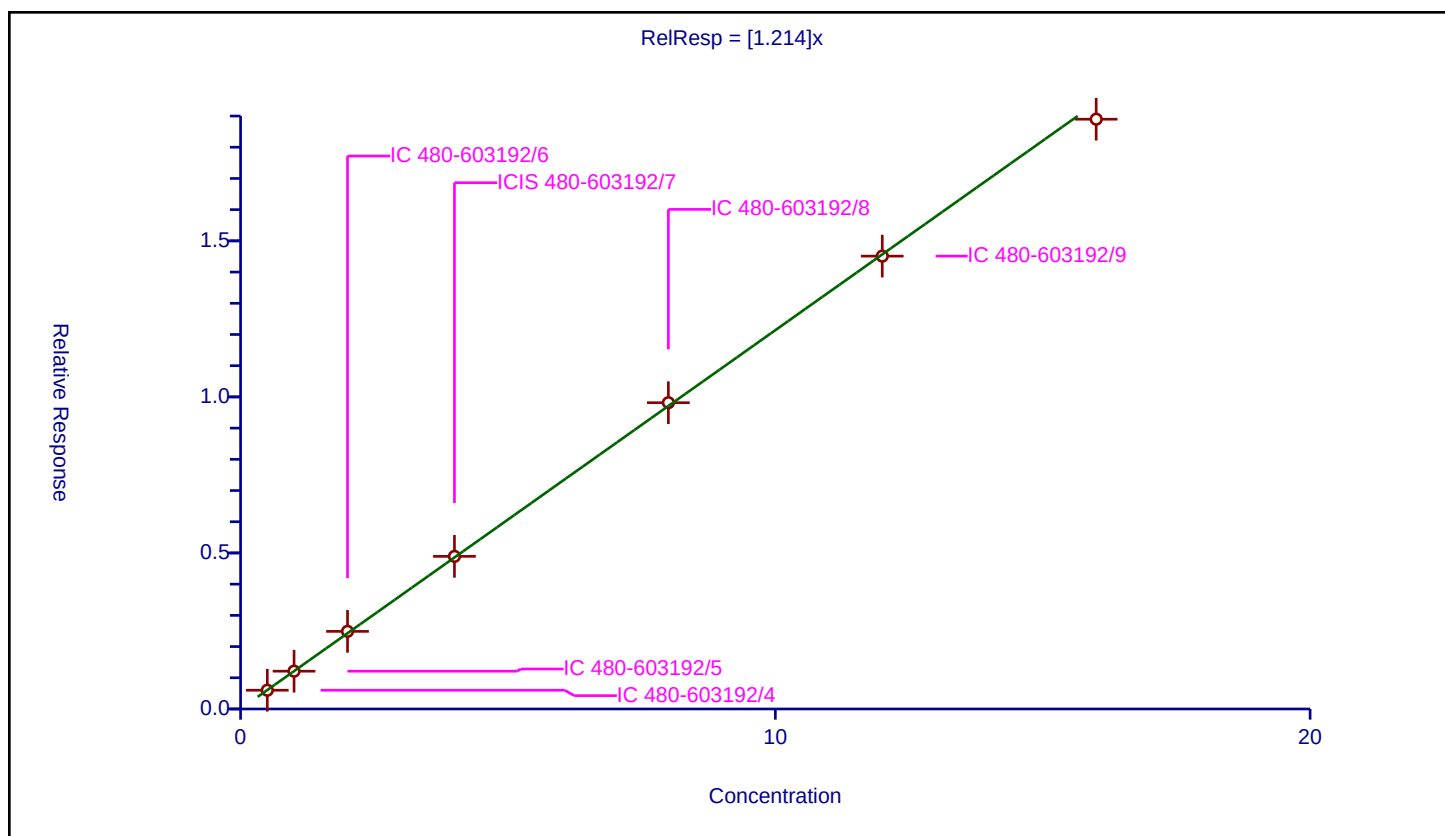
Curve Coefficients

Intercept: 0
 Slope: 1.214

Error Coefficients

Standard Error: 897000
 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 480-603192/4	0.5	0.600691	4.0	320158.0	1.201382	Y
2	IC 480-603192/5	1.0	1.211472	4.0	315877.0	1.211472	Y
3	IC 480-603192/6	2.0	2.487904	4.0	324154.0	1.243952	Y
4	ICIS 480-603192/7	4.0	4.890089	4.0	324907.0	1.222522	Y
5	IC 480-603192/8	8.0	9.814734	4.0	320620.0	1.226842	Y
6	IC 480-603192/9	12.0	14.511915	4.0	330766.0	1.209326	Y
7	IC 480-603192/10	16.0	18.89818	4.0	338930.0	1.181136	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

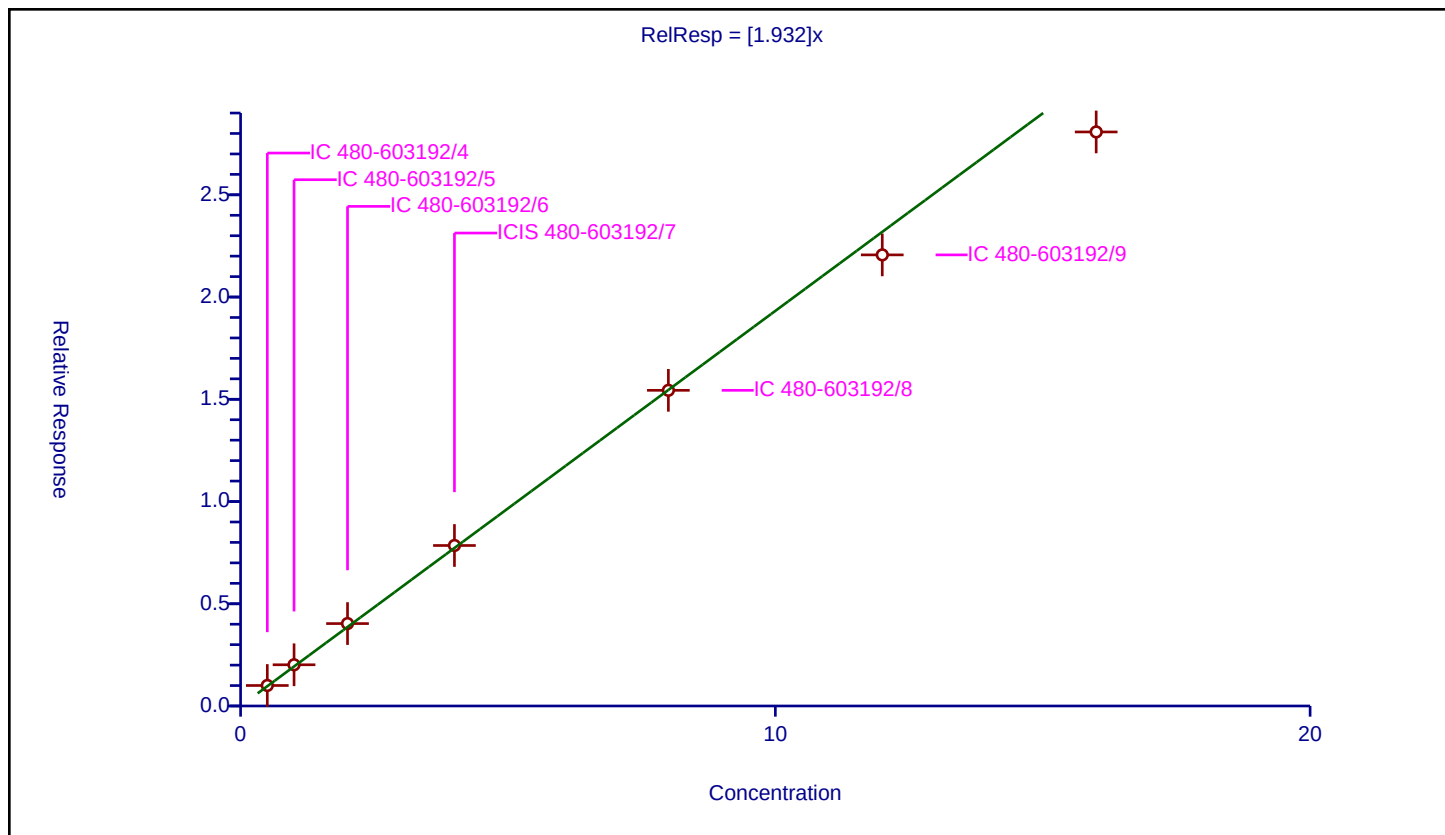
Curve Coefficients

Intercept: 0
 Slope: 1.932

Error Coefficients

Standard Error: 1360000
 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 480-603192/4	0.5	1.004167	4.0	320158.0	2.008333	Y
2	IC 480-603192/5	1.0	2.015367	4.0	315877.0	2.015367	Y
3	IC 480-603192/6	2.0	4.032367	4.0	324154.0	2.016184	Y
4	ICIS 480-603192/7	4.0	7.850973	4.0	324907.0	1.962743	Y
5	IC 480-603192/8	8.0	15.438987	4.0	320620.0	1.929873	Y
6	IC 480-603192/9	12.0	22.061494	4.0	330766.0	1.838458	Y
7	IC 480-603192/10	16.0	28.075414	4.0	338930.0	1.754713	Y



Calibration

/ Indene

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

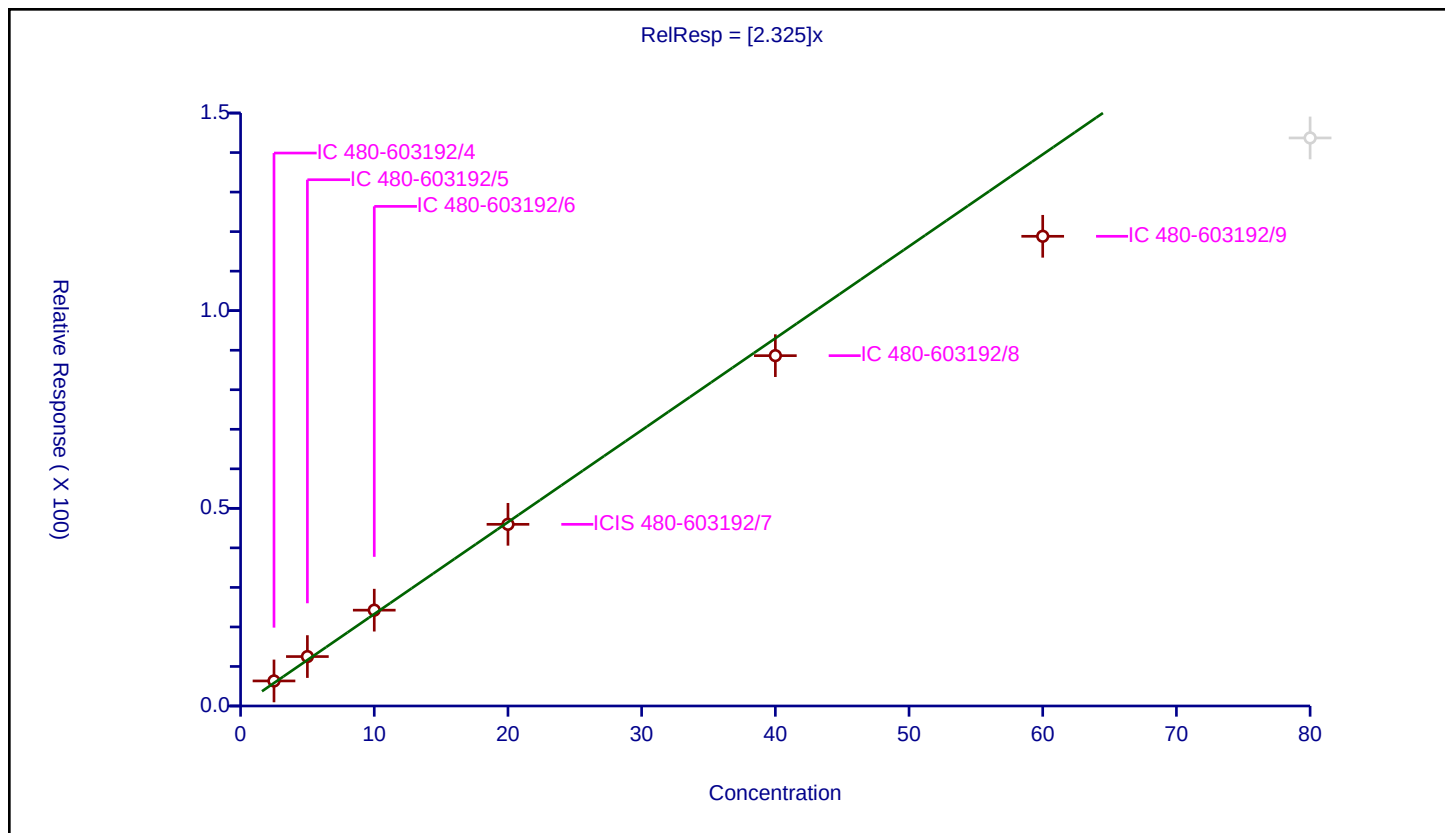
Curve Coefficients

Intercept: 0
 Slope: 2.325

Error Coefficients

Standard Error: 5760000
 Relative Standard Error: 8.9
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	2.5	6.335434	4.0	320158.0	2.534174	Y
2	IC 480-603192/5	5.0	12.503006	4.0	315877.0	2.500601	Y
3	IC 480-603192/6	10.0	24.243477	4.0	324154.0	2.424348	Y
4	ICIS 480-603192/7	20.0	45.955563	4.0	324907.0	2.297778	Y
5	IC 480-603192/8	40.0	88.62555	4.0	320620.0	2.215639	Y
6	IC 480-603192/9	60.0	118.821777	4.0	330766.0	1.980363	Y
7	IC 480-603192/10	80.0	143.698168	4.0	338930.0	1.796227	N



Calibration

/ 4-Methylphenol

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

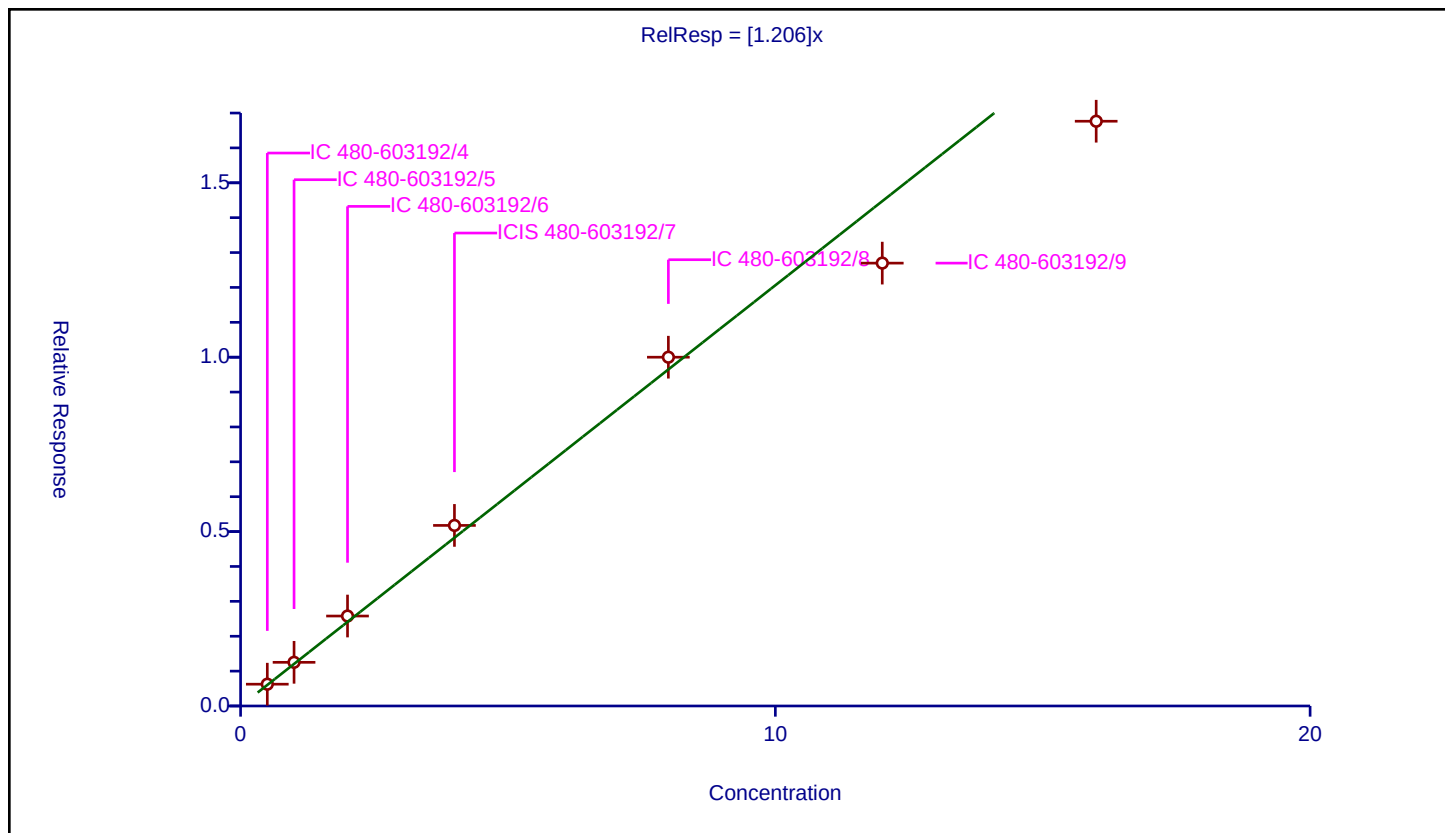
Curve Coefficients

Intercept: 0
 Slope: 1.206

Error Coefficients

Standard Error: 816000
 Relative Standard Error: 8.8
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.625241	4.0	320158.0	1.250483	Y
2	IC 480-603192/5	1.0	1.252639	4.0	315877.0	1.252639	Y
3	IC 480-603192/6	2.0	2.578787	4.0	324154.0	1.289393	Y
4	ICIS 480-603192/7	4.0	5.176706	4.0	324907.0	1.294176	Y
5	IC 480-603192/8	8.0	9.999526	4.0	320620.0	1.249941	Y
6	IC 480-603192/9	12.0	12.697472	4.0	330766.0	1.058123	Y
7	IC 480-603192/10	16.0	16.764535	4.0	338930.0	1.047783	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

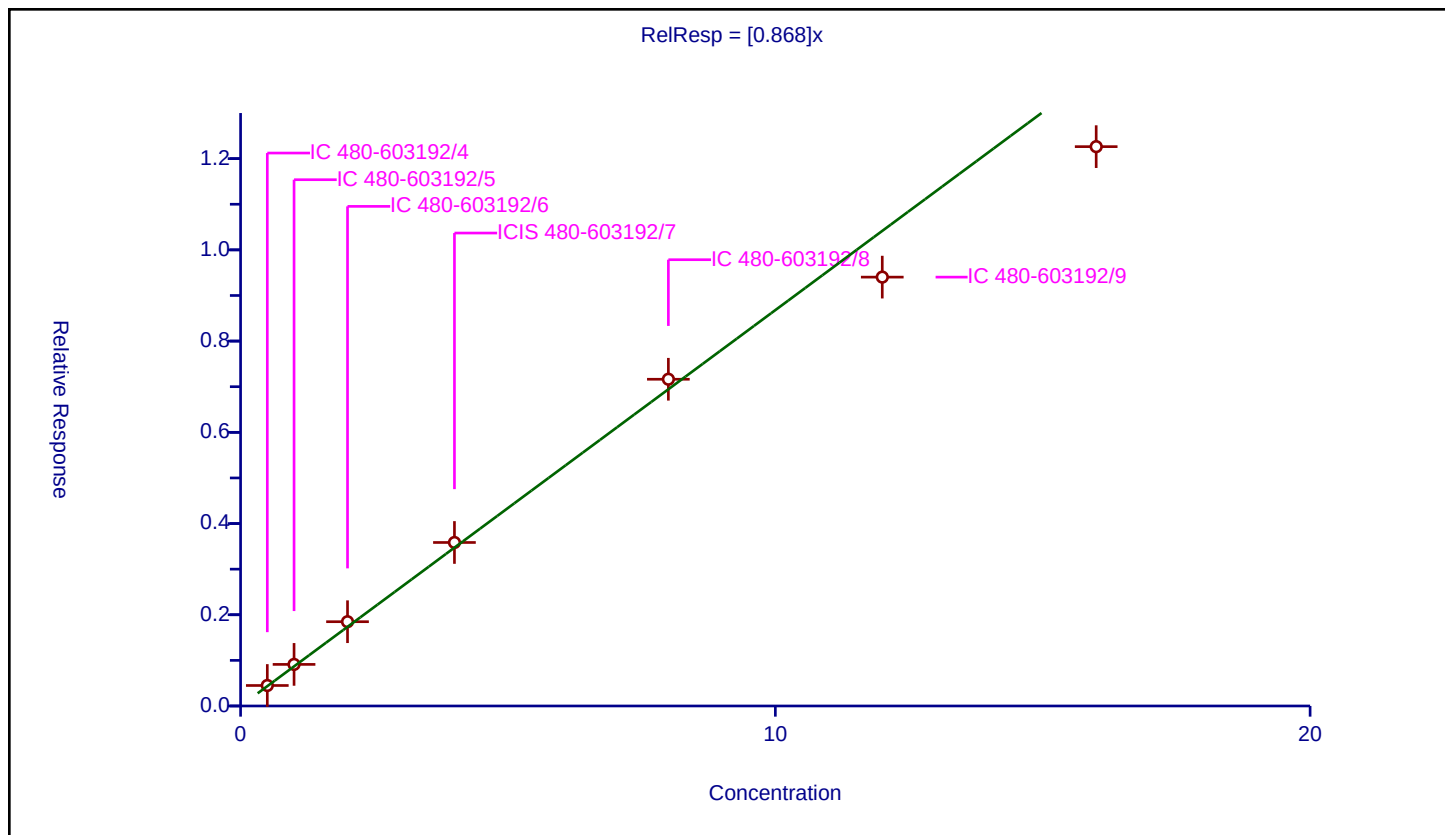
Curve Coefficients

Intercept: 0
 Slope: 0.868

Error Coefficients

Standard Error: 595000
 Relative Standard Error: 7.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.449441	4.0	320158.0	0.898881	Y
2	IC 480-603192/5	1.0	0.911557	4.0	315877.0	0.911557	Y
3	IC 480-603192/6	2.0	1.847542	4.0	324154.0	0.923771	Y
4	ICIS 480-603192/7	4.0	3.584349	4.0	324907.0	0.896087	Y
5	IC 480-603192/8	8.0	7.163408	4.0	320620.0	0.895426	Y
6	IC 480-603192/9	12.0	9.402526	4.0	330766.0	0.783544	Y
7	IC 480-603192/10	16.0	12.262745	4.0	338930.0	0.766422	Y



Calibration

/ Acetophenone

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

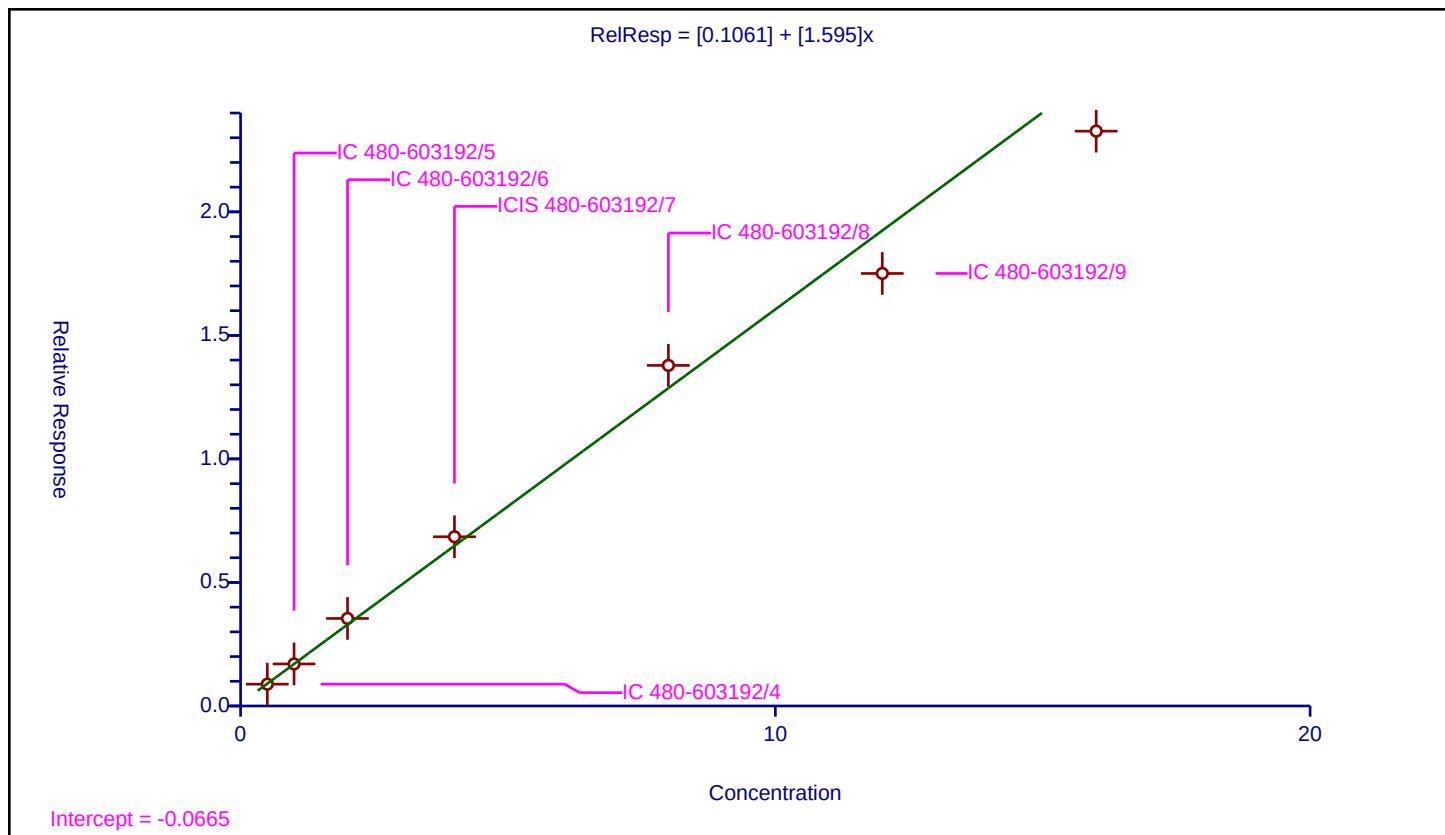
Curve Coefficients

Intercept: 0.1061
 Slope: 1.595

Error Coefficients

Standard Error: 1230000
 Relative Standard Error: 8.0
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.883651	4.0	320158.0	1.767302	Y
2	IC 480-603192/5	1.0	1.701814	4.0	315877.0	1.701814	Y
3	IC 480-603192/6	2.0	3.543563	4.0	324154.0	1.771781	Y
4	ICIS 480-603192/7	4.0	6.848507	4.0	324907.0	1.712127	Y
5	IC 480-603192/8	8.0	13.784418	4.0	320620.0	1.723052	Y
6	IC 480-603192/9	12.0	17.506515	4.0	330766.0	1.458876	Y
7	IC 480-603192/10	16.0	23.266928	4.0	338930.0	1.454183	Y



Calibration

/ Hexachloroethane

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

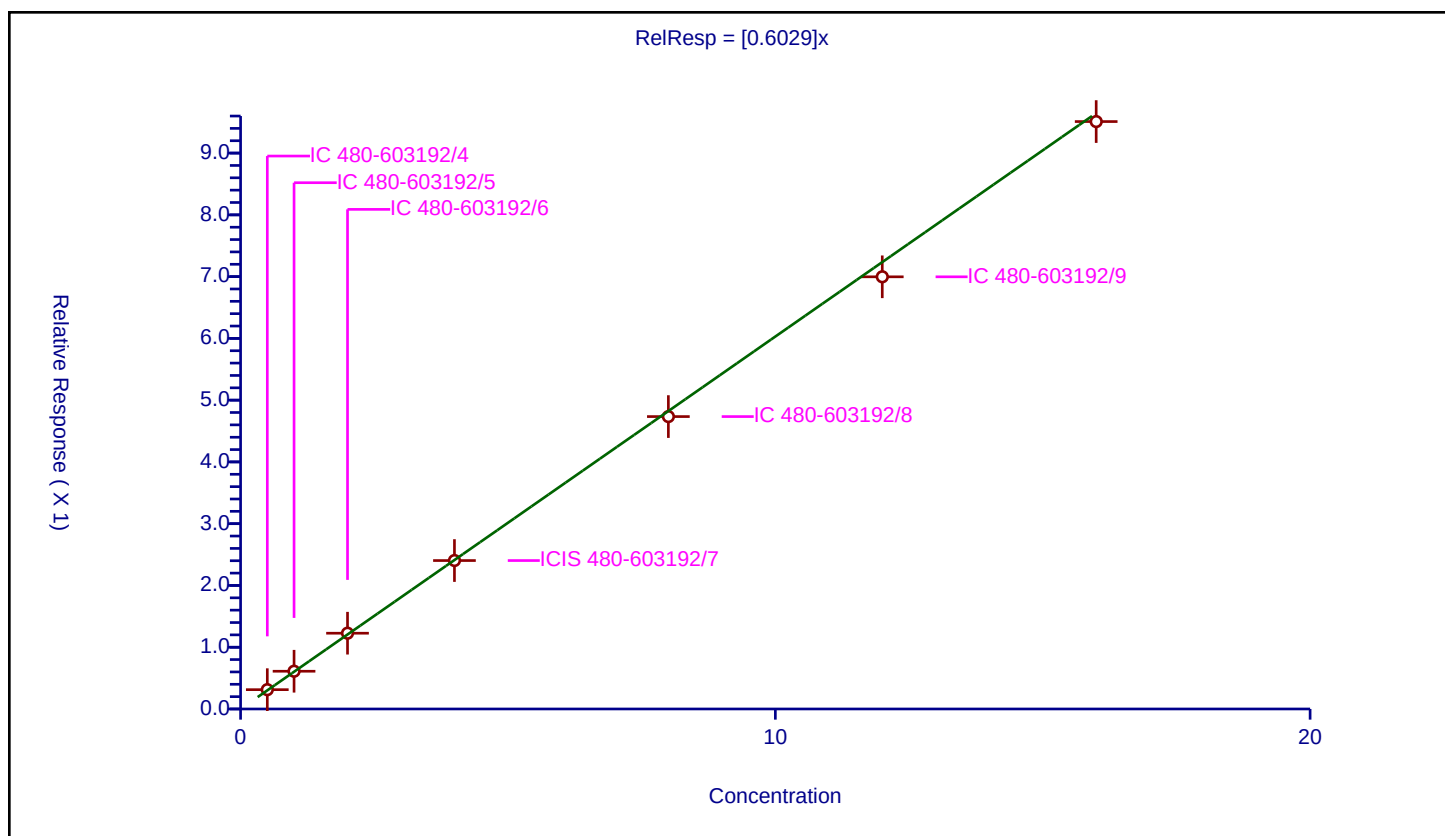
Curve Coefficients

Intercept: 0
Slope: 0.6029

Error Coefficients

Standard Error: 443000
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 480-603192/4	0.5	0.312746	4.0	320158.0	0.625491	Y
2	IC 480-603192/5	1.0	0.61139	4.0	315877.0	0.61139	Y
3	IC 480-603192/6	2.0	1.22712	4.0	324154.0	0.61356	Y
4	ICIS 480-603192/7	4.0	2.403617	4.0	324907.0	0.600904	Y
5	IC 480-603192/8	8.0	4.734215	4.0	320620.0	0.591777	Y
6	IC 480-603192/9	12.0	6.997261	4.0	330766.0	0.583105	Y
7	IC 480-603192/10	16.0	9.510105	4.0	338930.0	0.594382	Y



Calibration

/ Nitrobenzene-d5

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

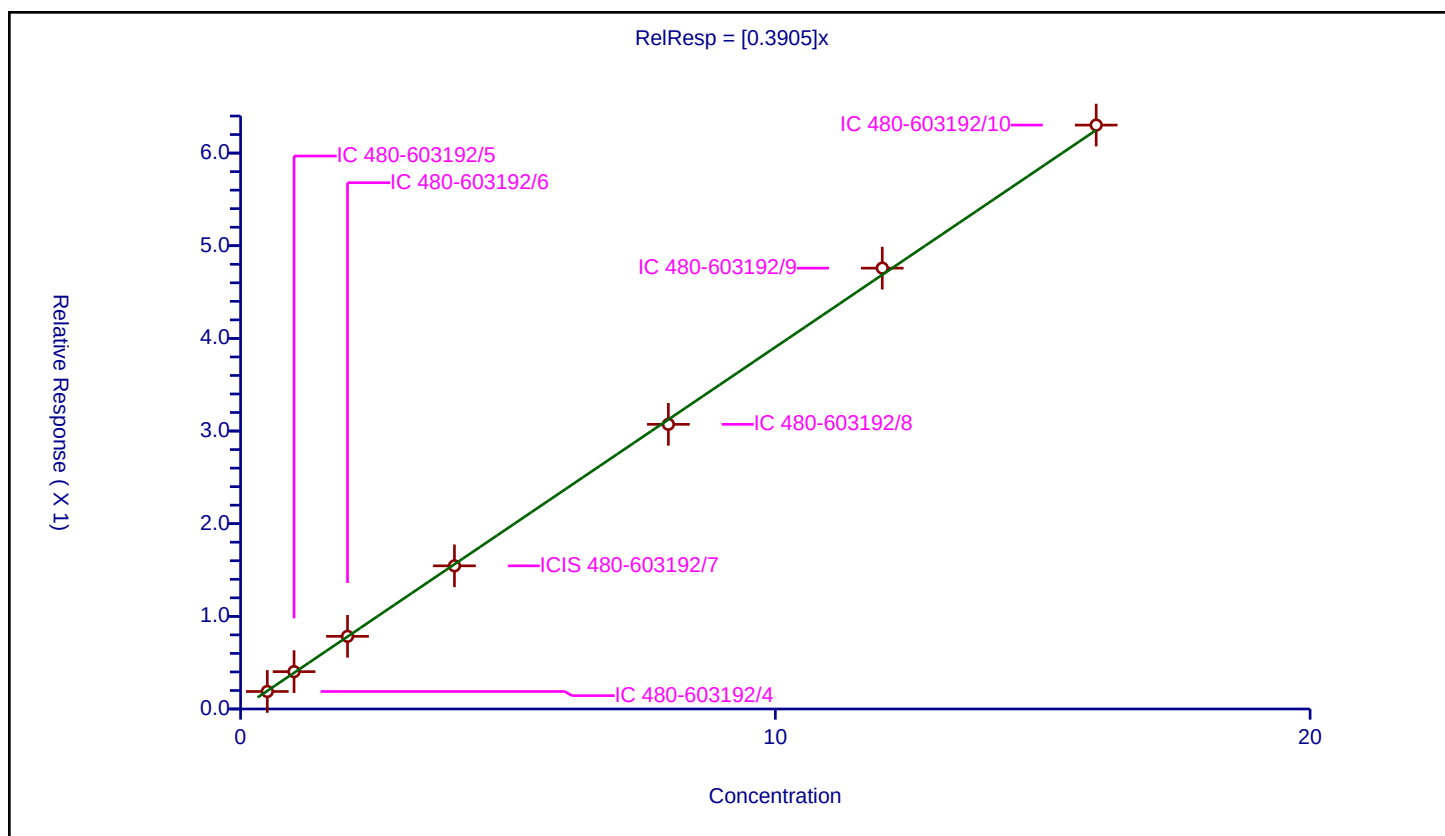
Curve Coefficients

Intercept: 0
 Slope: 0.3905

Error Coefficients

Standard Error: 1120000
 Relative Standard Error: 2.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.188916	4.0	1232063.0	0.377831	Y
2	IC 480-603192/5	1.0	0.403148	4.0	1179072.0	0.403148	Y
3	IC 480-603192/6	2.0	0.784031	4.0	1240038.0	0.392015	Y
4	ICIS 480-603192/7	4.0	1.545077	4.0	1247120.0	0.386269	Y
5	IC 480-603192/8	8.0	3.072487	4.0	1238339.0	0.384061	Y
6	IC 480-603192/9	12.0	4.758404	4.0	1234435.0	0.396534	Y
7	IC 480-603192/10	16.0	6.302246	4.0	1293613.0	0.39389	Y



Calibration

/ Nitrobenzene

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

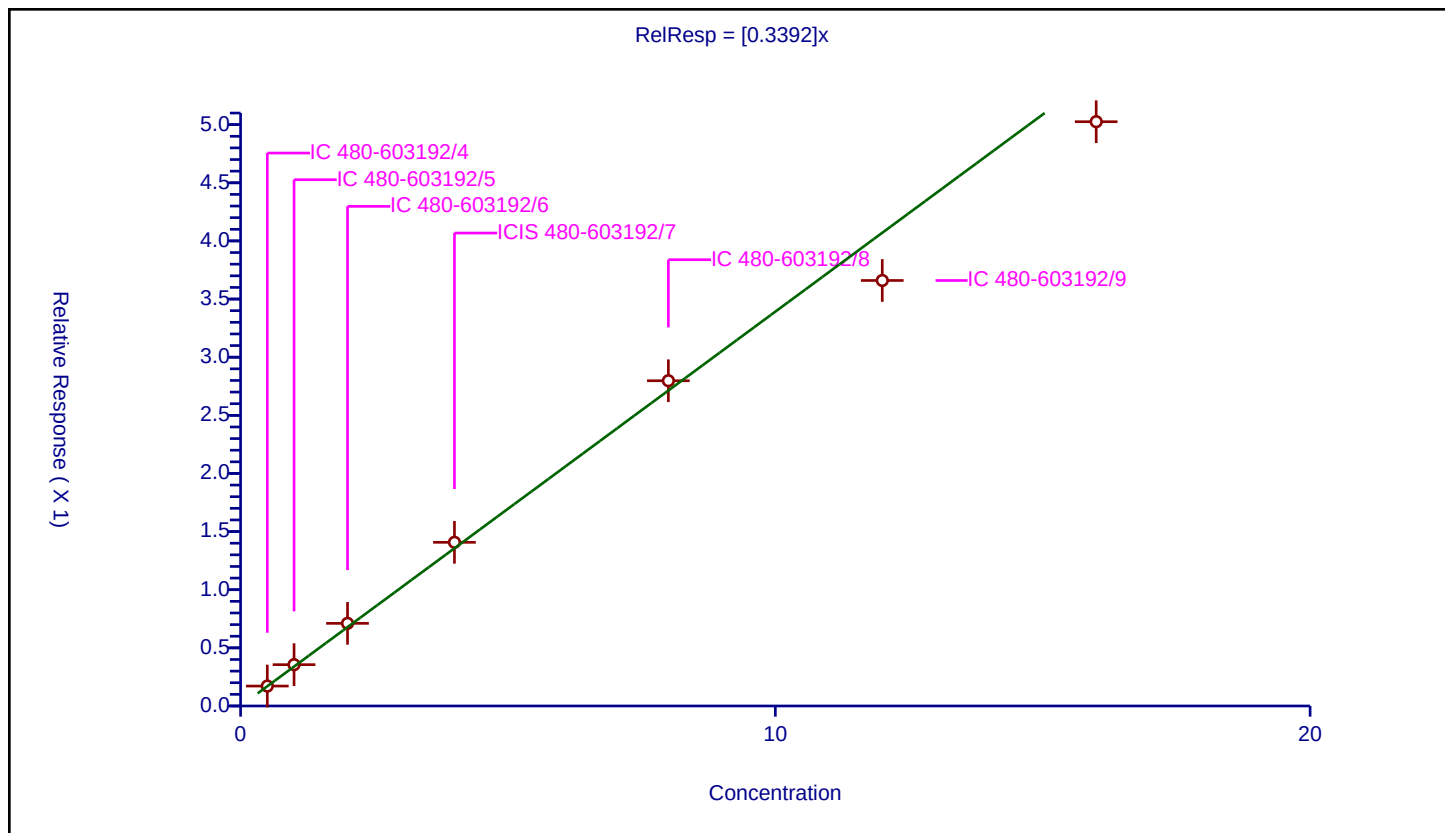
Curve Coefficients

Intercept: 0
 Slope: 0.3392

Error Coefficients

Standard Error: 906000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.171374	4.0	1232063.0	0.342749	Y
2	IC 480-603192/5	1.0	0.355337	4.0	1179072.0	0.355337	Y
3	IC 480-603192/6	2.0	0.710743	4.0	1240038.0	0.355371	Y
4	ICIS 480-603192/7	4.0	1.407941	4.0	1247120.0	0.351985	Y
5	IC 480-603192/8	8.0	2.797457	4.0	1238339.0	0.349682	Y
6	IC 480-603192/9	12.0	3.659624	4.0	1234435.0	0.304969	Y
7	IC 480-603192/10	16.0	5.025469	4.0	1293613.0	0.314092	Y



Calibration

/ Isophorone

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

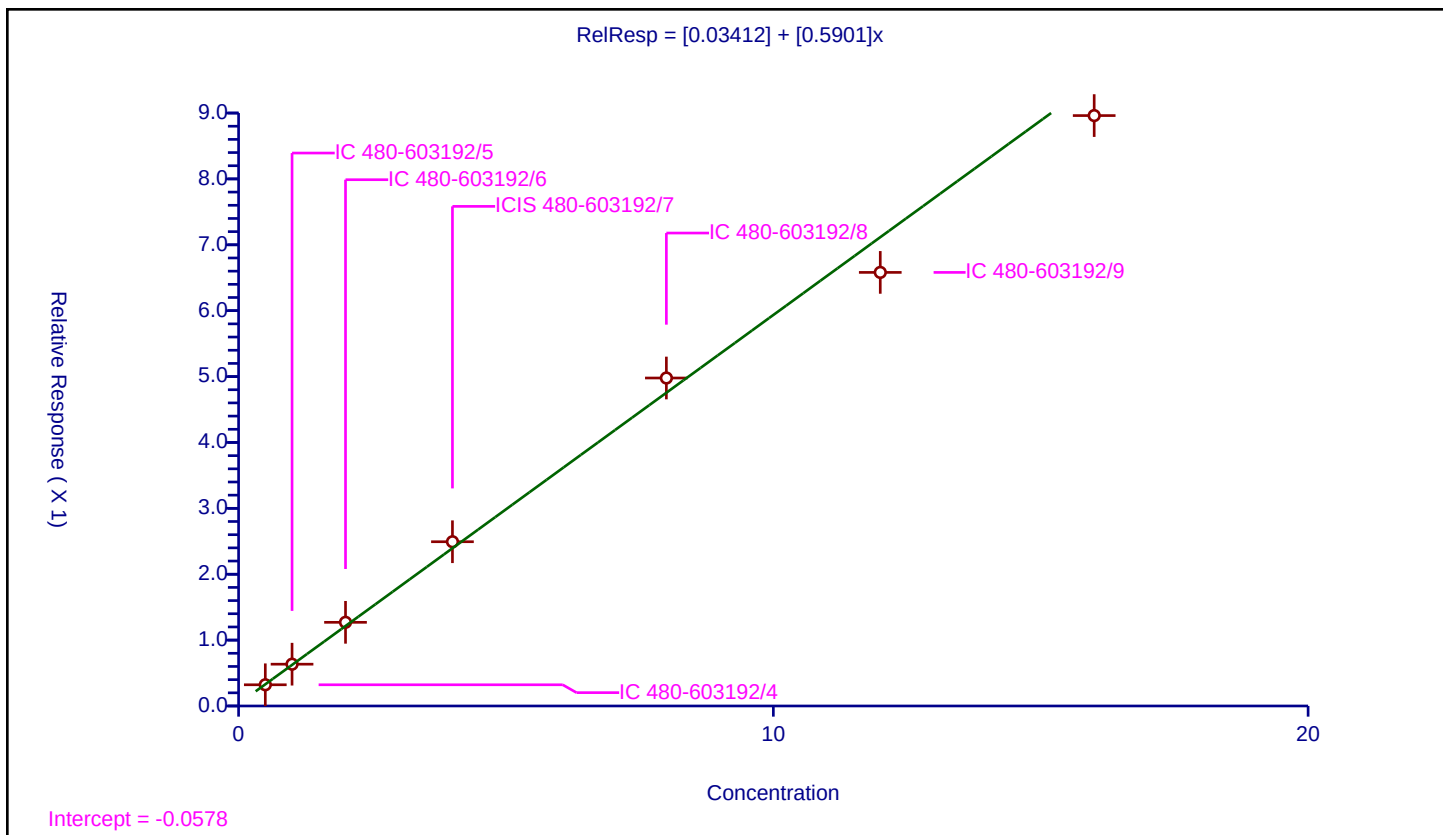
Curve Coefficients

Intercept: 0.03412
 Slope: 0.5901

Error Coefficients

Standard Error: 1770000
 Relative Standard Error: 5.6
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.322152	4.0	1232063.0	0.644305	Y
2	IC 480-603192/5	1.0	0.634299	4.0	1179072.0	0.634299	Y
3	IC 480-603192/6	2.0	1.270438	4.0	1240038.0	0.635219	Y
4	ICIS 480-603192/7	4.0	2.492992	4.0	1247120.0	0.623248	Y
5	IC 480-603192/8	8.0	4.977968	4.0	1238339.0	0.622246	Y
6	IC 480-603192/9	12.0	6.580776	4.0	1234435.0	0.548398	Y
7	IC 480-603192/10	16.0	8.961162	4.0	1293613.0	0.560073	Y



Calibration

/ 2,4-Dimethylphenol

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

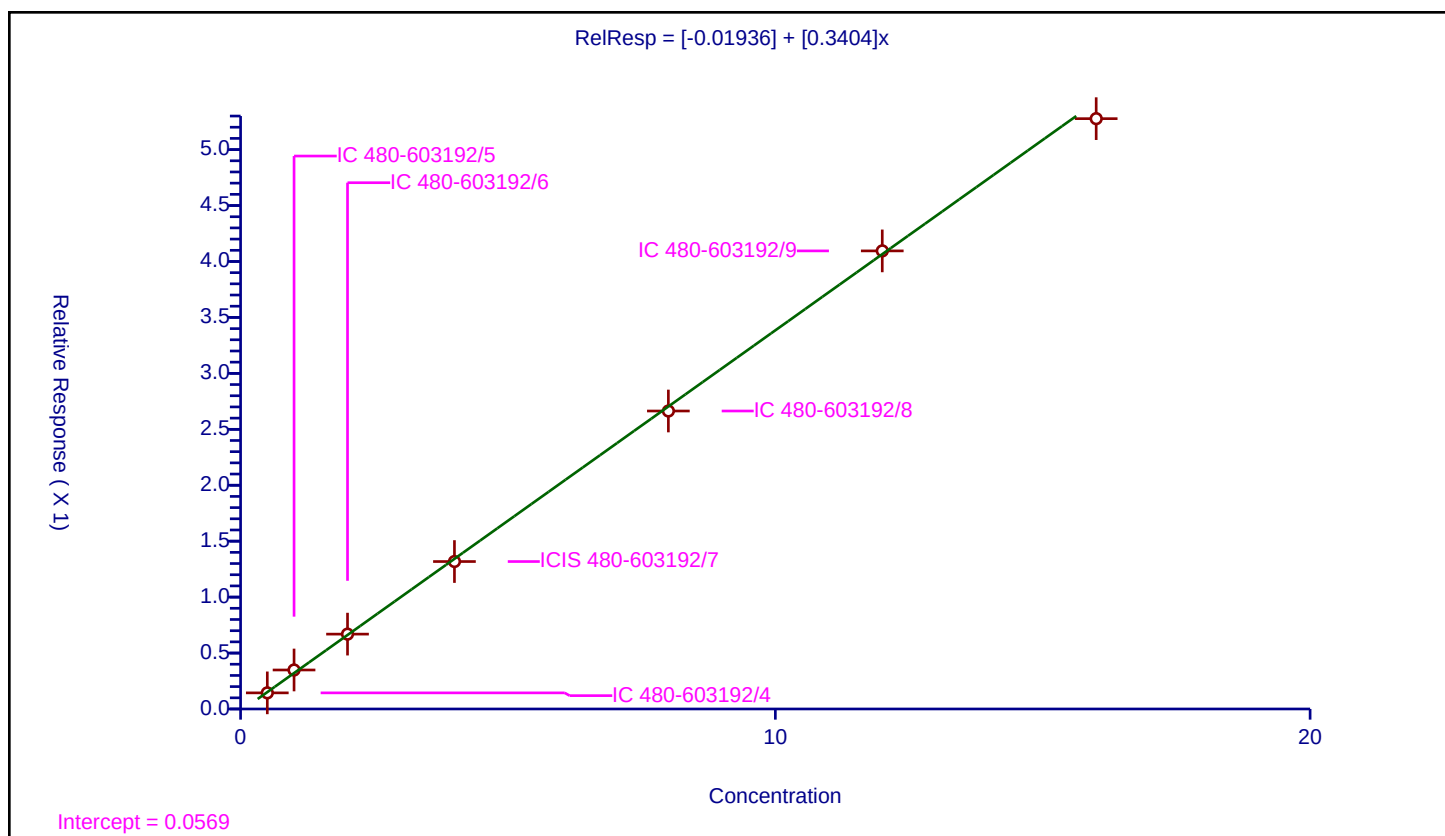
Curve Coefficients

Intercept: -0.01936
 Slope: 0.3404

Error Coefficients

Standard Error: 1040000
 Relative Standard Error: 4.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.144067	4.0	1232063.0	0.288135	Y
2	IC 480-603192/5	1.0	0.348603	4.0	1179072.0	0.348603	Y
3	IC 480-603192/6	2.0	0.669276	4.0	1240038.0	0.334638	Y
4	ICIS 480-603192/7	4.0	1.318163	4.0	1247120.0	0.329541	Y
5	IC 480-603192/8	8.0	2.663332	4.0	1238339.0	0.332917	Y
6	IC 480-603192/9	12.0	4.094592	4.0	1234435.0	0.341216	Y
7	IC 480-603192/10	16.0	5.276286	4.0	1293613.0	0.329768	Y



Calibration

/ 2-Nitrophenol

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

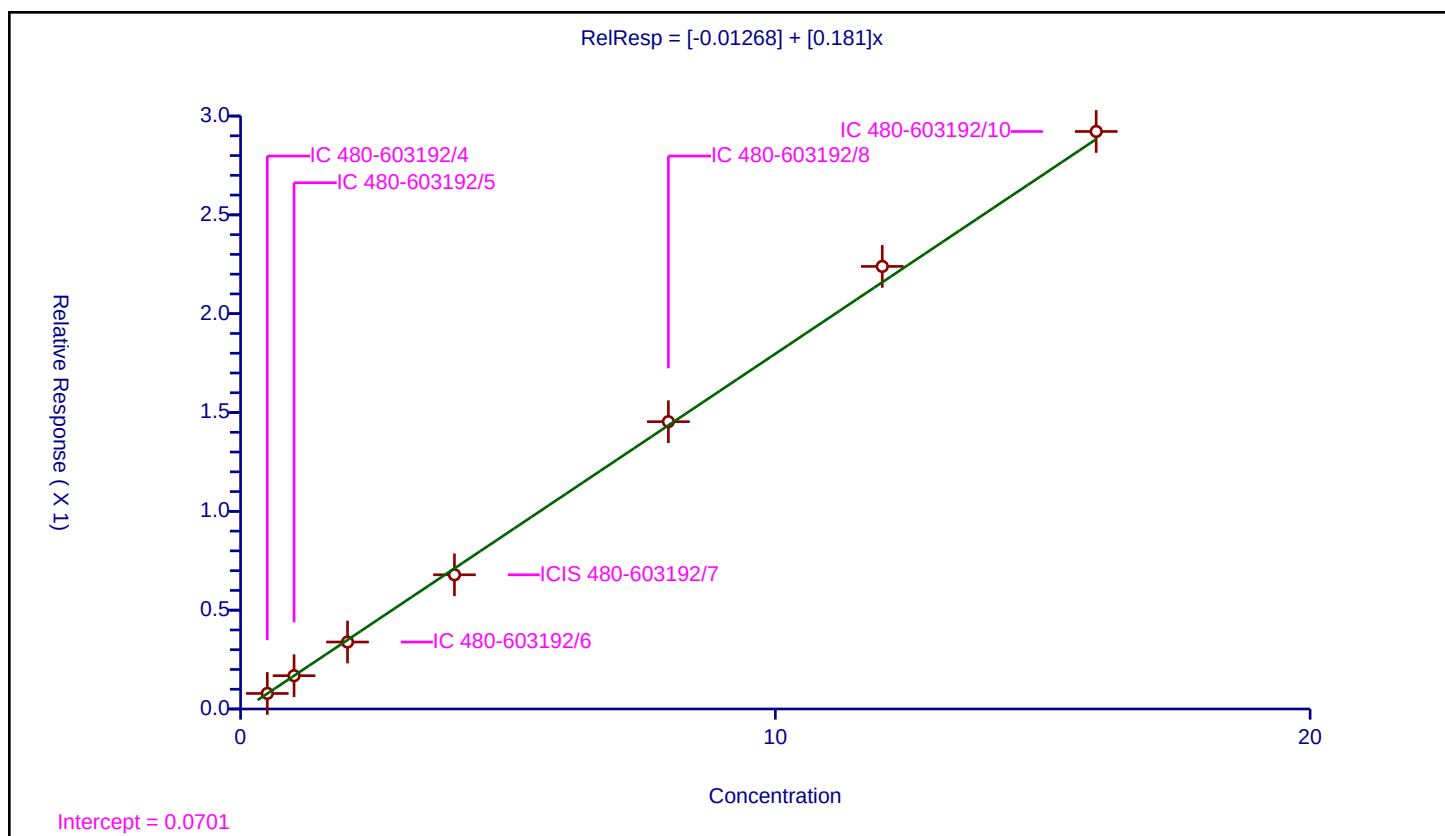
Curve Coefficients

Intercept: -0.01268
 Slope: 0.181

Error Coefficients

Standard Error: 571000
 Relative Standard Error: 3.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.078691	4.0	1232063.0	0.157382	Y
2	IC 480-603192/5	1.0	0.16841	4.0	1179072.0	0.16841	Y
3	IC 480-603192/6	2.0	0.33878	4.0	1240038.0	0.16939	Y
4	ICIS 480-603192/7	4.0	0.679053	4.0	1247120.0	0.169763	Y
5	IC 480-603192/8	8.0	1.453589	4.0	1238339.0	0.181699	Y
6	IC 480-603192/9	12.0	2.239094	4.0	1234435.0	0.186591	Y
7	IC 480-603192/10	16.0	2.921835	4.0	1293613.0	0.182615	Y



Calibration

/ Benzoic acid

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

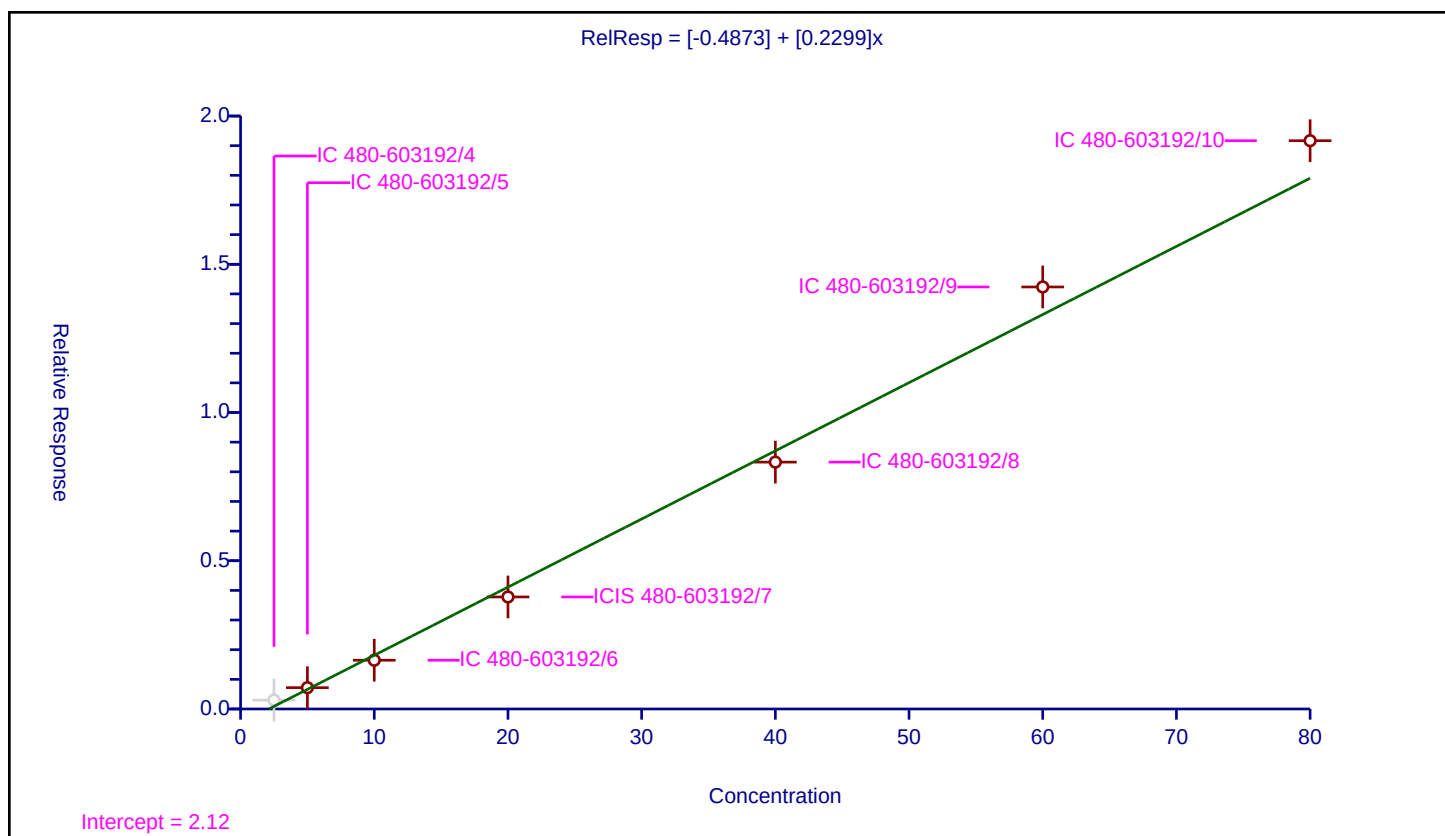
Curve Coefficients

Intercept: -0.4873
 Slope: 0.2299

Error Coefficients

Standard Error: 4060000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	2.5	0.30029	4.0	1232063.0	0.120116	N
2	IC 480-603192/5	5.0	0.718989	4.0	1179072.0	0.143798	Y
3	IC 480-603192/6	10.0	1.644282	4.0	1240038.0	0.164428	Y
4	ICIS 480-603192/7	20.0	3.779255	4.0	1247120.0	0.188963	Y
5	IC 480-603192/8	40.0	8.327487	4.0	1238339.0	0.208187	Y
6	IC 480-603192/9	60.0	14.234797	4.0	1234435.0	0.237247	Y
7	IC 480-603192/10	80.0	19.167943	4.0	1293613.0	0.239599	Y



Calibration

/ Bis(2-chloroethoxy)methane

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

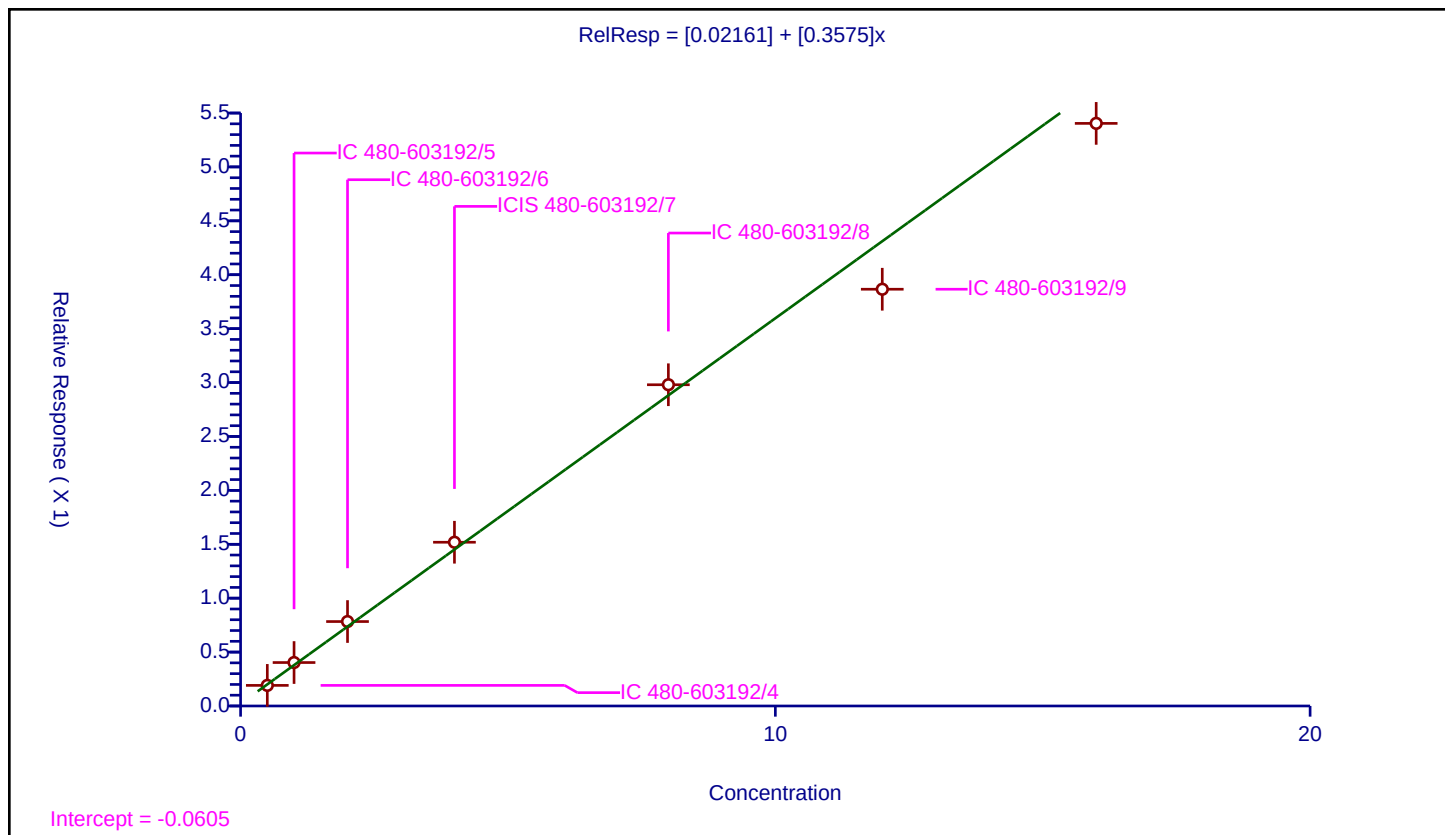
Curve Coefficients

Intercept: 0.02161
 Slope: 0.3575

Error Coefficients

Standard Error: 1060000
 Relative Standard Error: 7.6
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.191029	4.0	1232063.0	0.382058	Y
2	IC 480-603192/5	1.0	0.40326	4.0	1179072.0	0.40326	Y
3	IC 480-603192/6	2.0	0.78335	4.0	1240038.0	0.391675	Y
4	ICIS 480-603192/7	4.0	1.518885	4.0	1247120.0	0.379721	Y
5	IC 480-603192/8	8.0	2.979859	4.0	1238339.0	0.372482	Y
6	IC 480-603192/9	12.0	3.865496	4.0	1234435.0	0.322125	Y
7	IC 480-603192/10	16.0	5.404117	4.0	1293613.0	0.337757	Y



Calibration

/ 2,4-Dichlorophenol

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

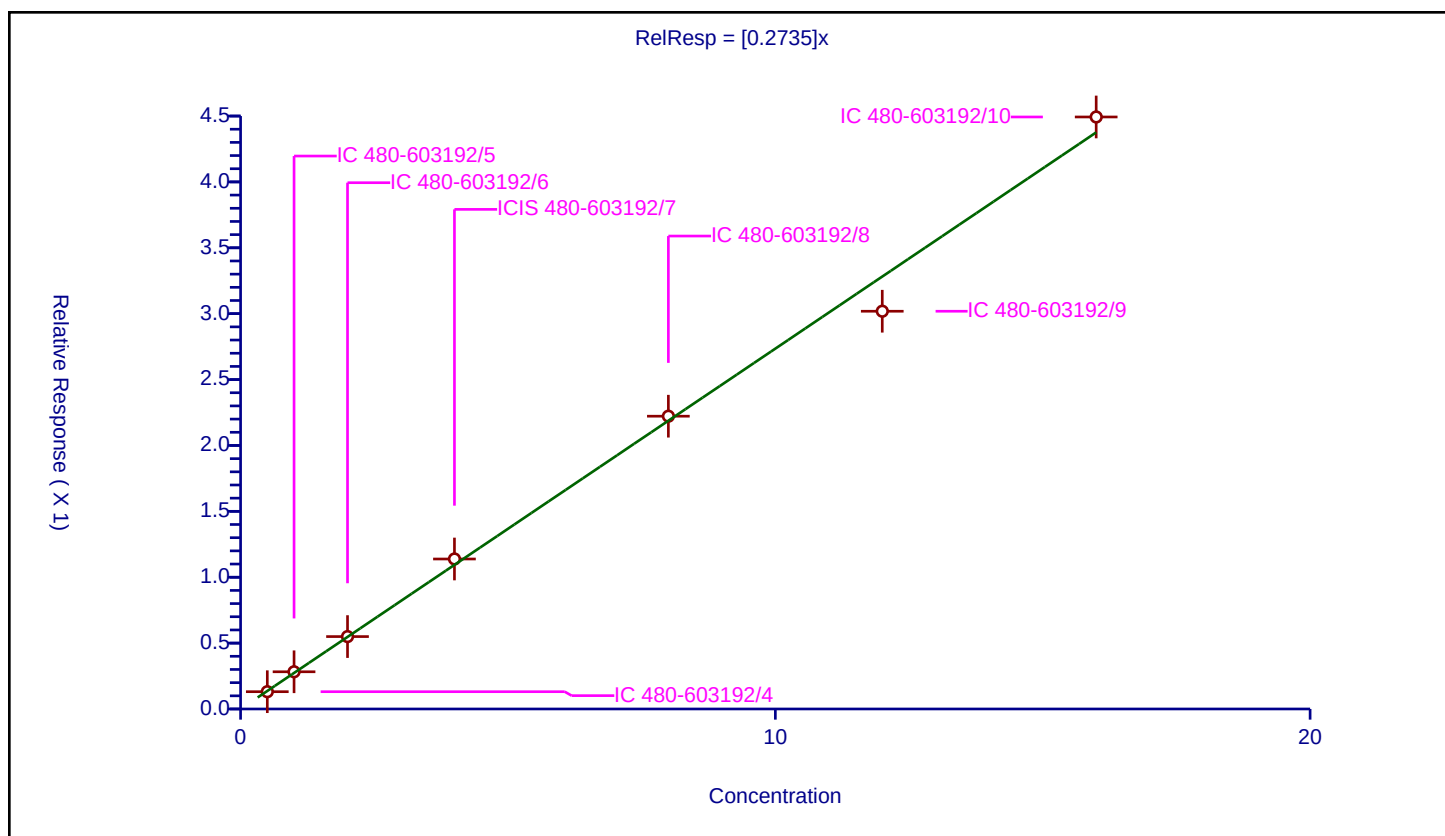
Curve Coefficients

Intercept: 0
 Slope: 0.2735

Error Coefficients

Standard Error: 776000
 Relative Standard Error: 4.4
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.131266	4.0	1232063.0	0.262532	Y
2	IC 480-603192/5	1.0	0.282381	4.0	1179072.0	0.282381	Y
3	IC 480-603192/6	2.0	0.549477	4.0	1240038.0	0.274738	Y
4	ICIS 480-603192/7	4.0	1.138498	4.0	1247120.0	0.284625	Y
5	IC 480-603192/8	8.0	2.221934	4.0	1238339.0	0.277742	Y
6	IC 480-603192/9	12.0	3.01868	4.0	1234435.0	0.251557	Y
7	IC 480-603192/10	16.0	4.492732	4.0	1293613.0	0.280796	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

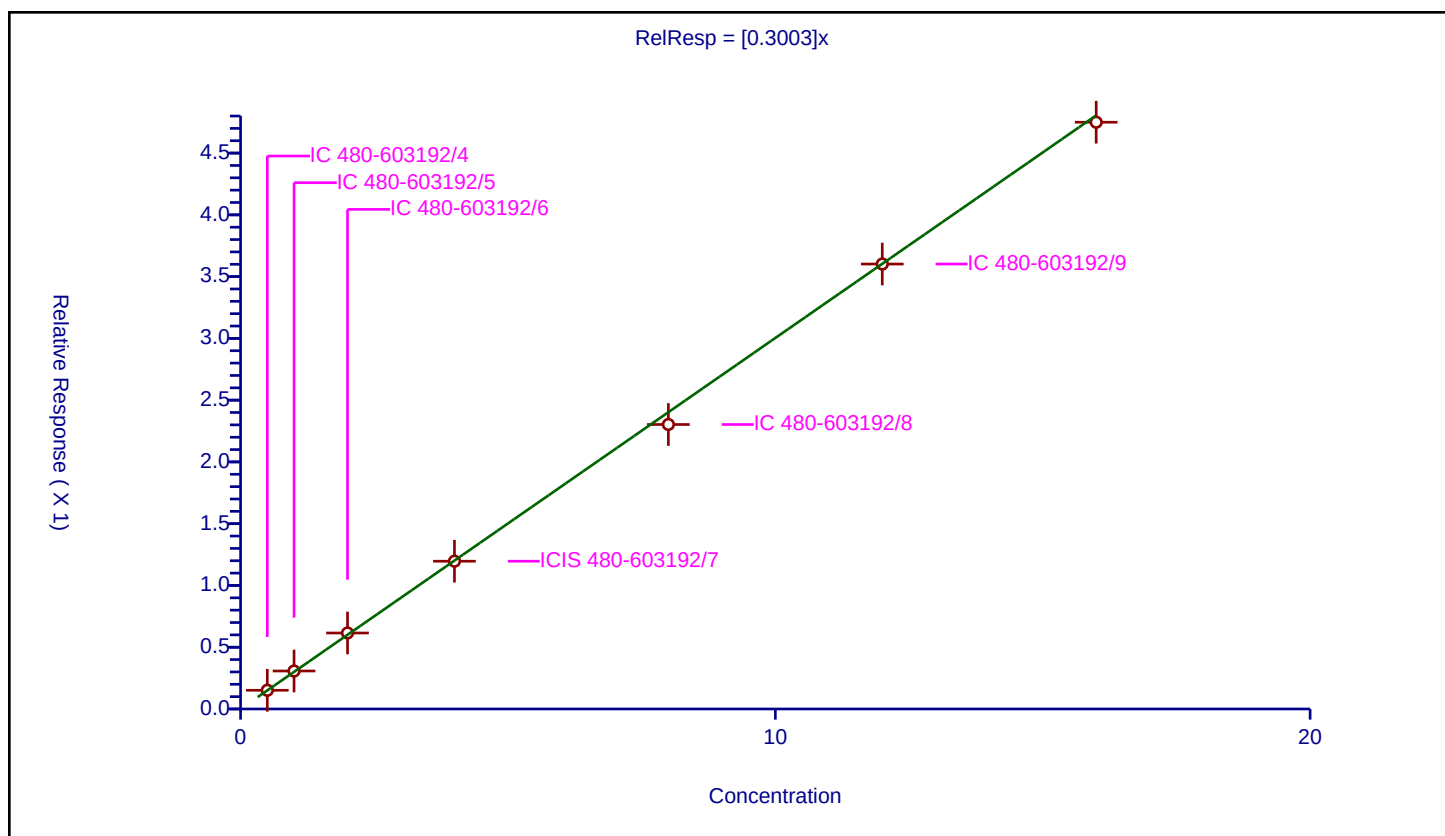
Curve Coefficients

Intercept: 0
 Slope: 0.3003

Error Coefficients

Standard Error: 846000
 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 480-603192/4	0.5	0.151547	4.0	1232063.0	0.303095	Y
2	IC 480-603192/5	1.0	0.307503	4.0	1179072.0	0.307503	Y
3	IC 480-603192/6	2.0	0.615213	4.0	1240038.0	0.307607	Y
4	ICIS 480-603192/7	4.0	1.196485	4.0	1247120.0	0.299121	Y
5	IC 480-603192/8	8.0	2.303104	4.0	1238339.0	0.287888	Y
6	IC 480-603192/9	12.0	3.60202	4.0	1234435.0	0.300168	Y
7	IC 480-603192/10	16.0	4.749838	4.0	1293613.0	0.296865	Y



Calibration

/ Naphthalene

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

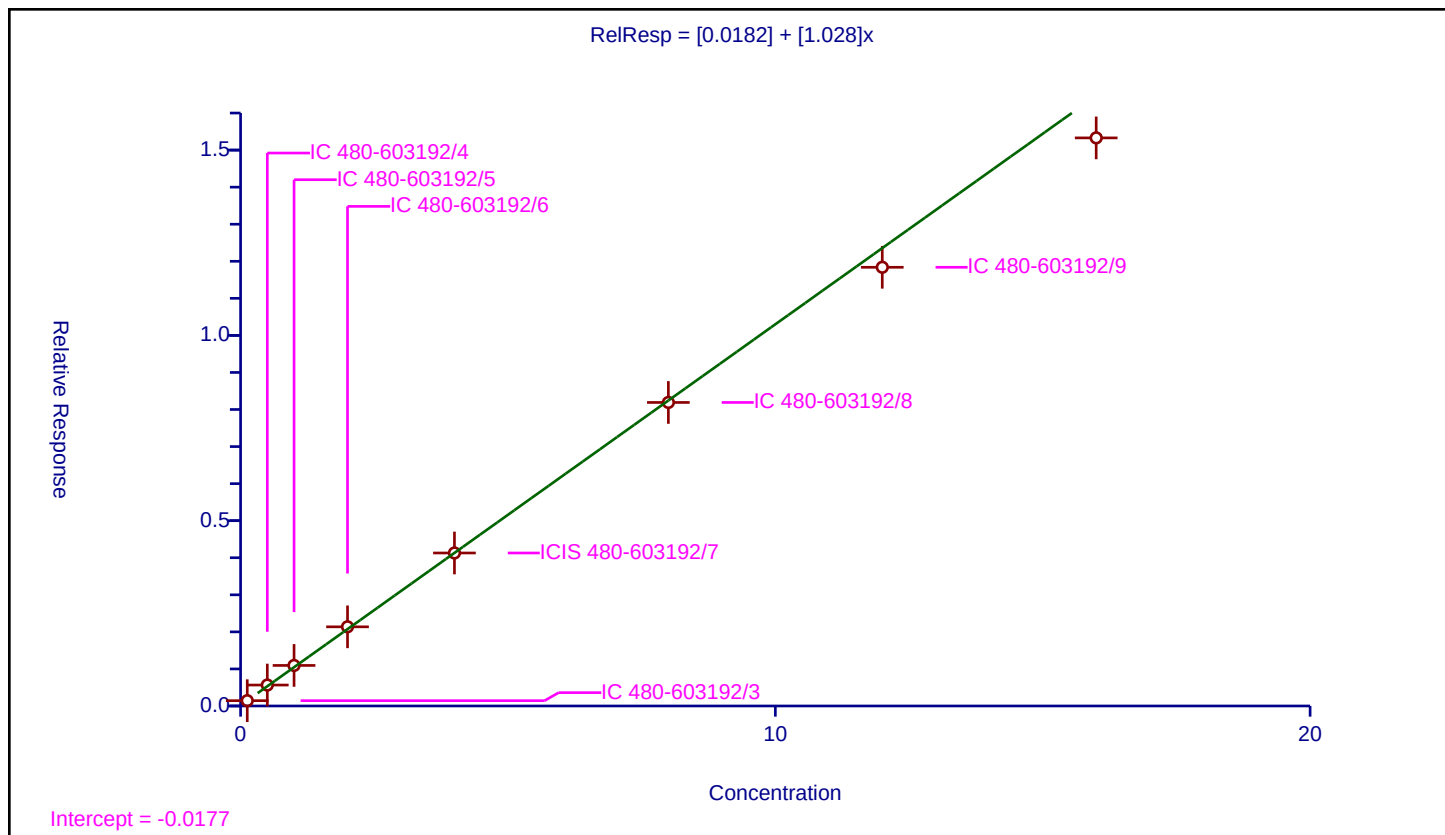
Curve Coefficients

Intercept: 0.0182
 Slope: 1.028

Error Coefficients

Standard Error: 2790000
 Relative Standard Error: 4.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.143814	4.0	1179138.0	1.150508	Y
2	IC 480-603192/4	0.5	0.565098	4.0	1232063.0	1.130195	Y
3	IC 480-603192/5	1.0	1.093864	4.0	1179072.0	1.093864	Y
4	IC 480-603192/6	2.0	2.136728	4.0	1240038.0	1.068364	Y
5	ICIS 480-603192/7	4.0	4.129197	4.0	1247120.0	1.032299	Y
6	IC 480-603192/8	8.0	8.190471	4.0	1238339.0	1.023809	Y
7	IC 480-603192/9	12.0	11.838167	4.0	1234435.0	0.986514	Y
8	IC 480-603192/10	16.0	15.329125	4.0	1293613.0	0.95807	Y



Calibration

/ 4-Chloroaniline

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

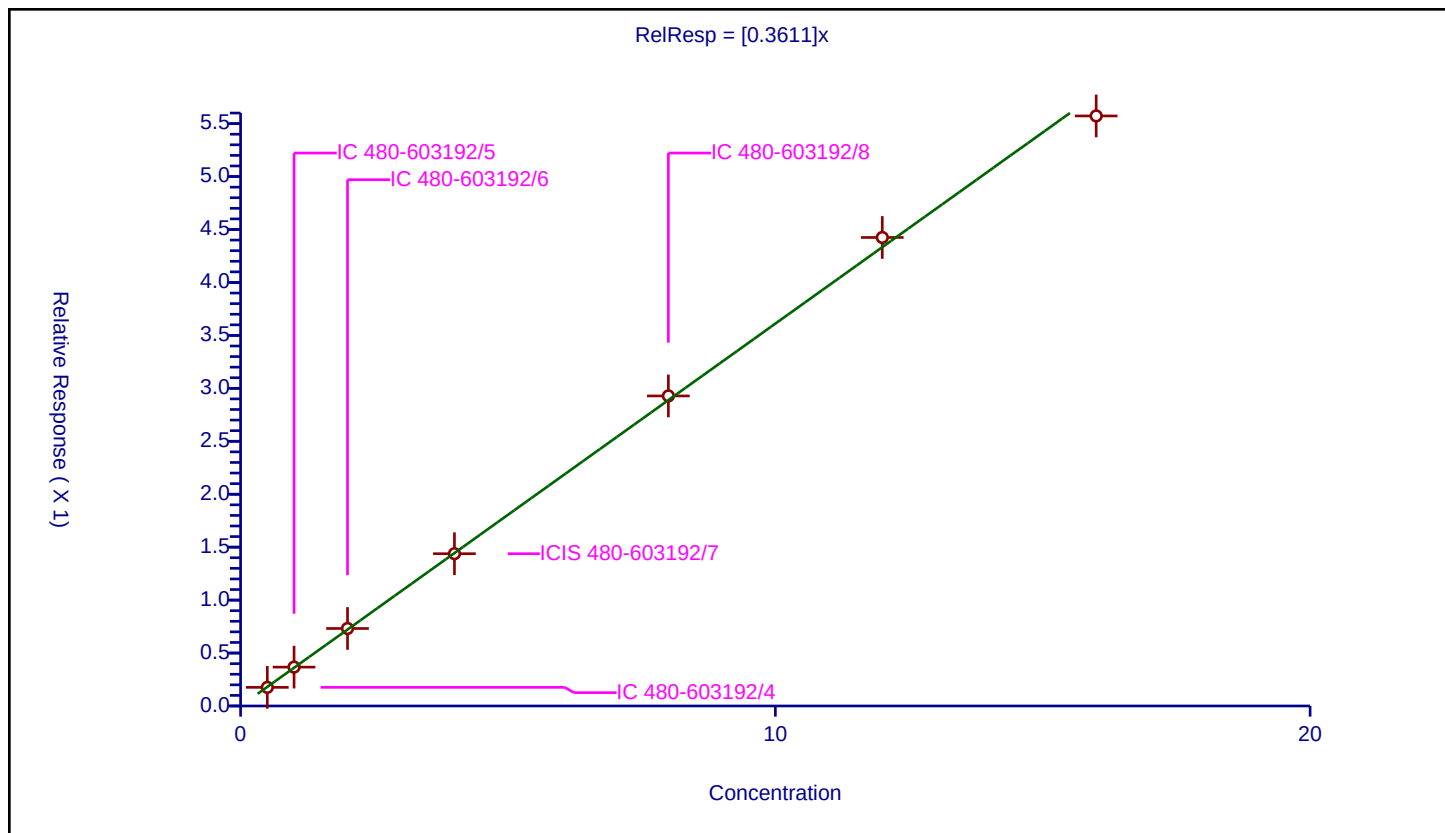
Curve Coefficients

Intercept: 0
 Slope: 0.3611

Error Coefficients

Standard Error: 1020000
 Relative Standard Error: 2.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.17589	4.0	1232063.0	0.351781	Y
2	IC 480-603192/5	1.0	0.367211	4.0	1179072.0	0.367211	Y
3	IC 480-603192/6	2.0	0.732026	4.0	1240038.0	0.366013	Y
4	ICIS 480-603192/7	4.0	1.43838	4.0	1247120.0	0.359595	Y
5	IC 480-603192/8	8.0	2.928332	4.0	1238339.0	0.366042	Y
6	IC 480-603192/9	12.0	4.424719	4.0	1234435.0	0.368727	Y
7	IC 480-603192/10	16.0	5.572517	4.0	1293613.0	0.348282	Y



Calibration

/ 2,6-Dichlorophenol

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

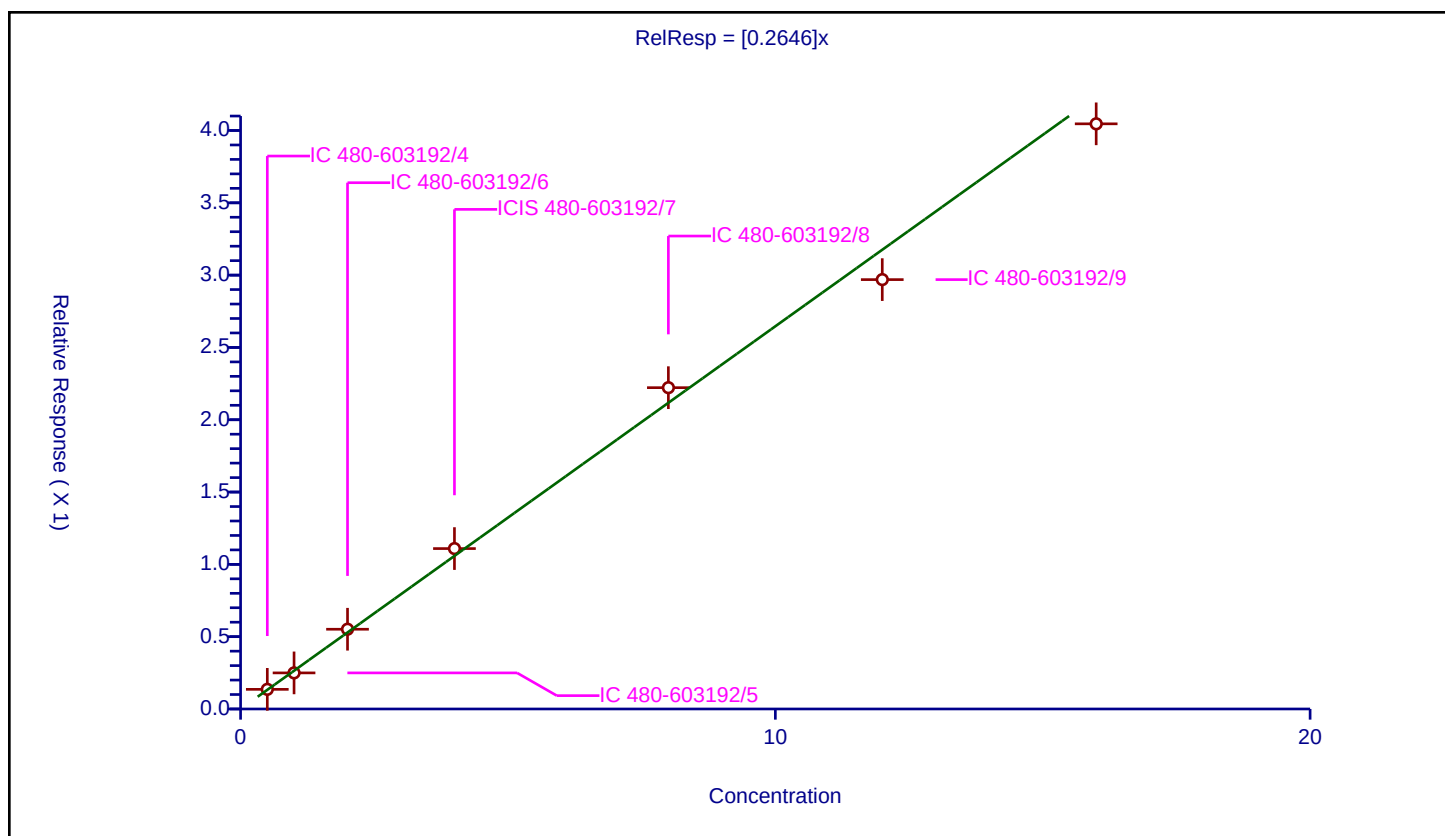
Curve Coefficients

Intercept: 0
 Slope: 0.2646

Error Coefficients

Standard Error: 728000
 Relative Standard Error: 5.3
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.135808	4.0	1232063.0	0.271616	Y
2	IC 480-603192/5	1.0	0.249603	4.0	1179072.0	0.249603	Y
3	IC 480-603192/6	2.0	0.551657	4.0	1240038.0	0.275829	Y
4	ICIS 480-603192/7	4.0	1.109154	4.0	1247120.0	0.277288	Y
5	IC 480-603192/8	8.0	2.22167	4.0	1238339.0	0.277709	Y
6	IC 480-603192/9	12.0	2.968924	4.0	1234435.0	0.24741	Y
7	IC 480-603192/10	16.0	4.046042	4.0	1293613.0	0.252878	Y



Calibration

/ Hexachlorobutadiene

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

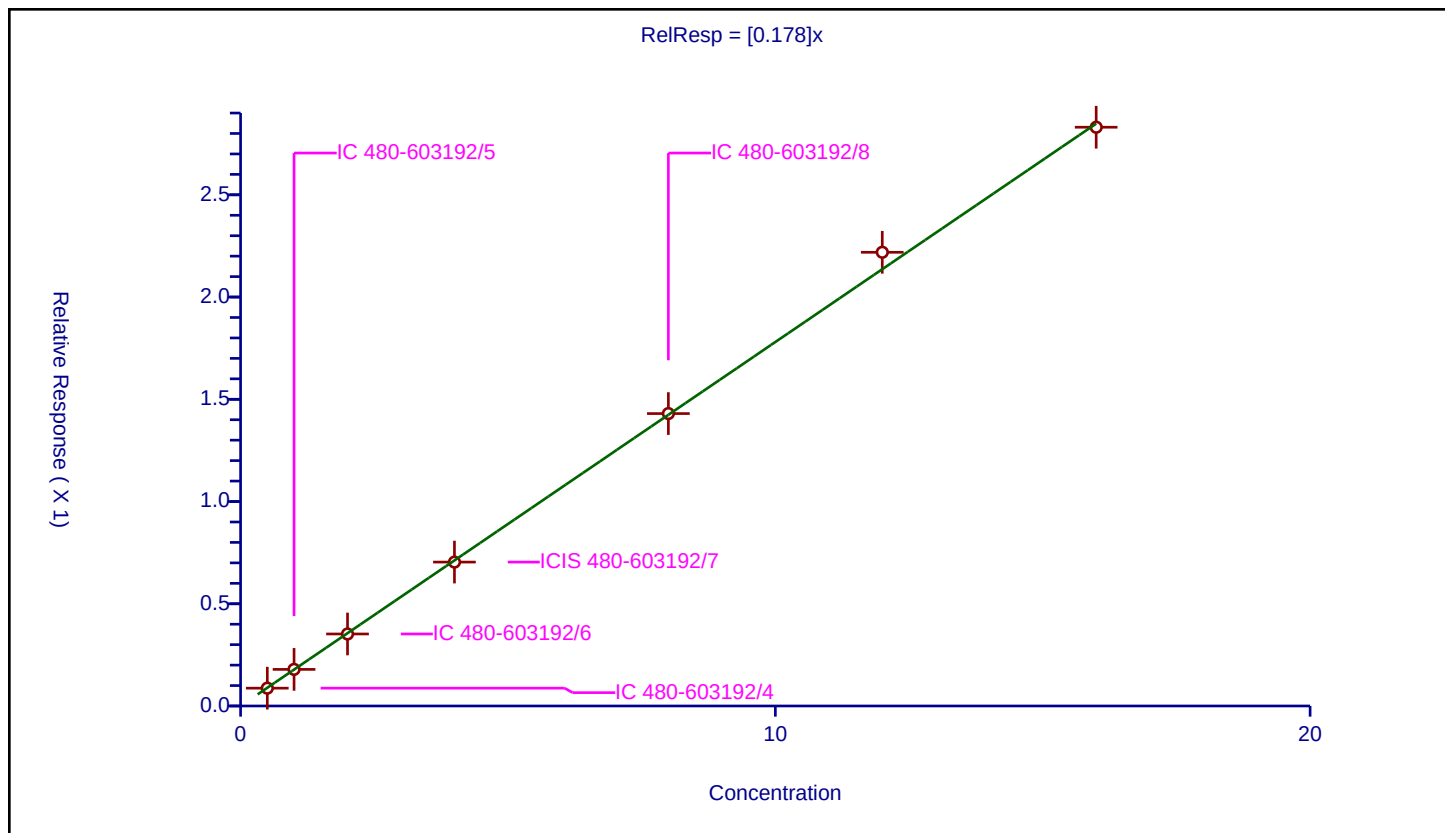
Curve Coefficients

Intercept: 0
 Slope: 0.178

Error Coefficients

Standard Error: 511000
 Relative Standard Error: 1.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.08722	4.0	1232063.0	0.174439	Y
2	IC 480-603192/5	1.0	0.179032	4.0	1179072.0	0.179032	Y
3	IC 480-603192/6	2.0	0.35216	4.0	1240038.0	0.17608	Y
4	ICIS 480-603192/7	4.0	0.703743	4.0	1247120.0	0.175936	Y
5	IC 480-603192/8	8.0	1.430196	4.0	1238339.0	0.178775	Y
6	IC 480-603192/9	12.0	2.218991	4.0	1234435.0	0.184916	Y
7	IC 480-603192/10	16.0	2.830476	4.0	1293613.0	0.176905	Y



Calibration

/ Caprolactam

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

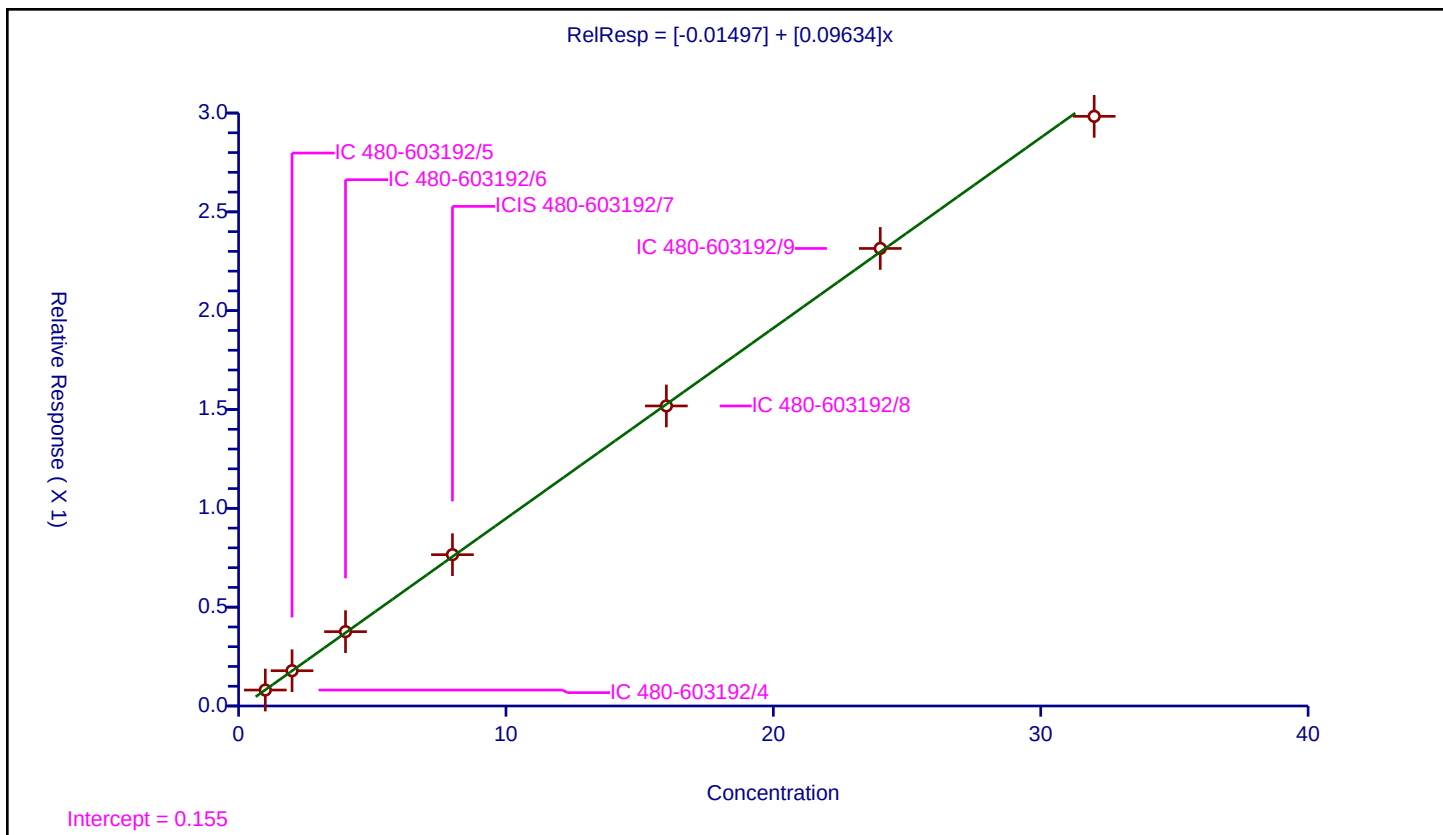
Curve Coefficients

Intercept: -0.01497
Slope: 0.09634

Error Coefficients

Standard Error: 589000
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 480-603192/4	1.0	0.080756	4.0	1232063.0	0.080756	Y
2	IC 480-603192/5	2.0	0.178462	4.0	1179072.0	0.089231	Y
3	IC 480-603192/6	4.0	0.376153	4.0	1240038.0	0.094038	Y
4	ICIS 480-603192/7	8.0	0.765691	4.0	1247120.0	0.095711	Y
5	IC 480-603192/8	16.0	1.51815	4.0	1238339.0	0.094884	Y
6	IC 480-603192/9	24.0	2.314928	4.0	1234435.0	0.096455	Y
7	IC 480-603192/10	32.0	2.983245	4.0	1293613.0	0.093226	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

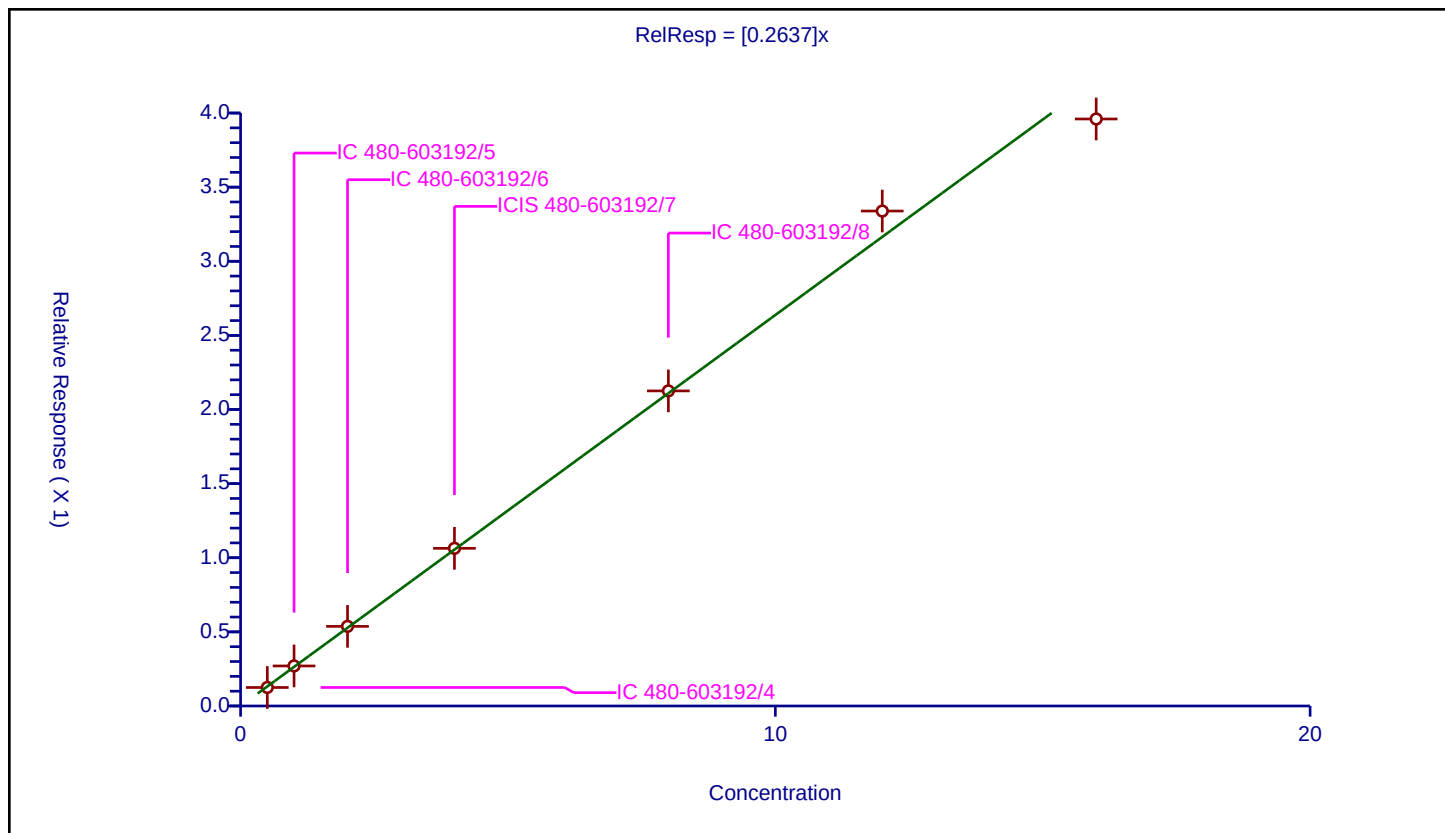
Curve Coefficients

Intercept: 0
 Slope: 0.2637

Error Coefficients

Standard Error: 739000
 Relative Standard Error: 4.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.124925	4.0	1232063.0	0.249851	Y
2	IC 480-603192/5	1.0	0.270253	4.0	1179072.0	0.270253	Y
3	IC 480-603192/6	2.0	0.537287	4.0	1240038.0	0.268643	Y
4	ICIS 480-603192/7	4.0	1.063477	4.0	1247120.0	0.265869	Y
5	IC 480-603192/8	8.0	2.125583	4.0	1238339.0	0.265698	Y
6	IC 480-603192/9	12.0	3.338833	4.0	1234435.0	0.278236	Y
7	IC 480-603192/10	16.0	3.959657	4.0	1293613.0	0.247479	Y



Calibration

/ 2-Methylnaphthalene

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

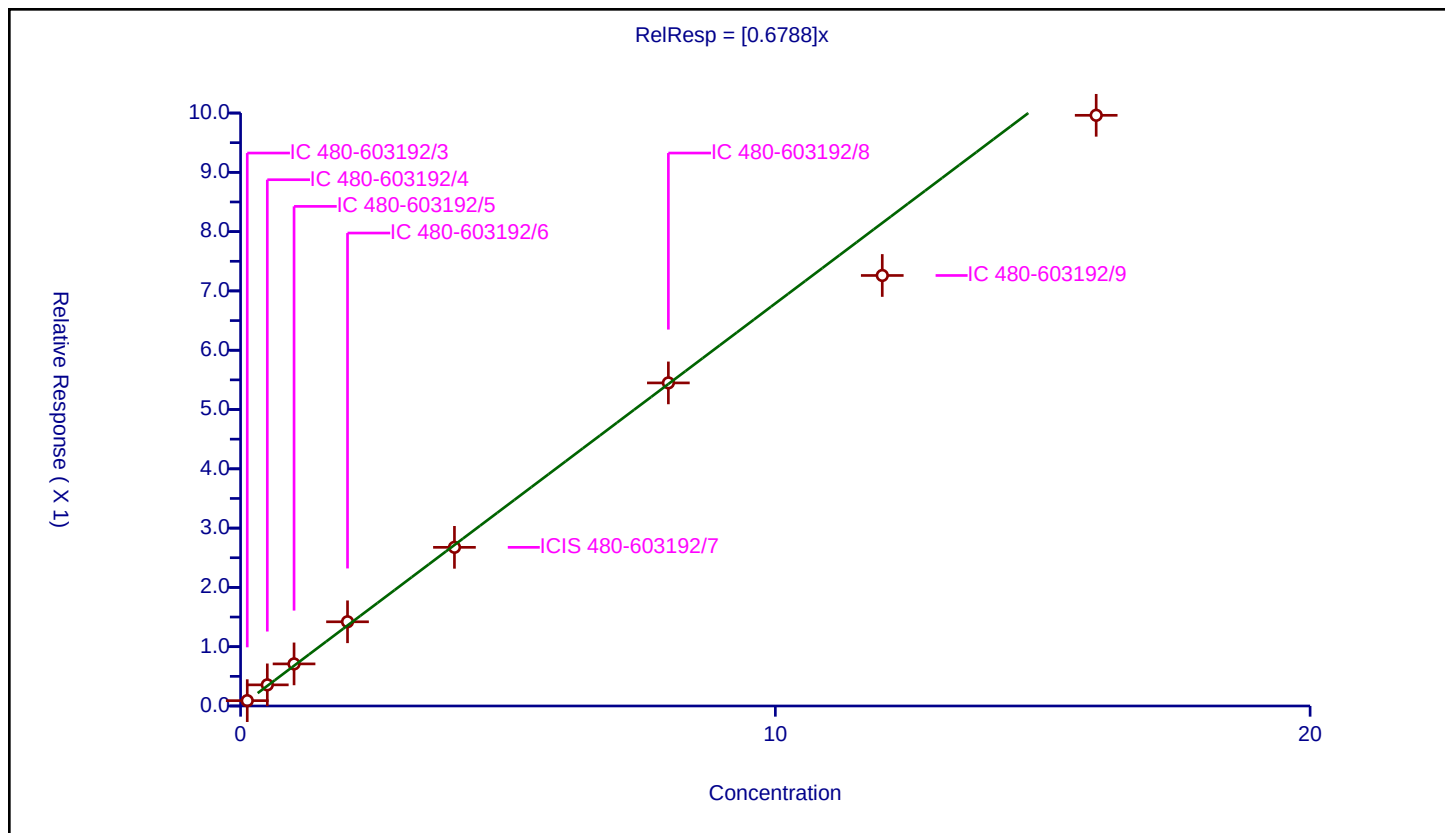
Curve Coefficients

Intercept: 0
 Slope: 0.6788

Error Coefficients

Standard Error: 1660000
 Relative Standard Error: 6.5
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.090028	4.0	1179138.0	0.720228	Y
2	IC 480-603192/4	0.5	0.3563	4.0	1232063.0	0.7126	Y
3	IC 480-603192/5	1.0	0.709785	4.0	1179072.0	0.709785	Y
4	IC 480-603192/6	2.0	1.42045	4.0	1240038.0	0.710225	Y
5	ICIS 480-603192/7	4.0	2.676211	4.0	1247120.0	0.669053	Y
6	IC 480-603192/8	8.0	5.44906	4.0	1238339.0	0.681133	Y
7	IC 480-603192/9	12.0	7.260475	4.0	1234435.0	0.60504	Y
8	IC 480-603192/10	16.0	9.961962	4.0	1293613.0	0.622623	Y



Calibration

/ 1-Methylnaphthalene

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

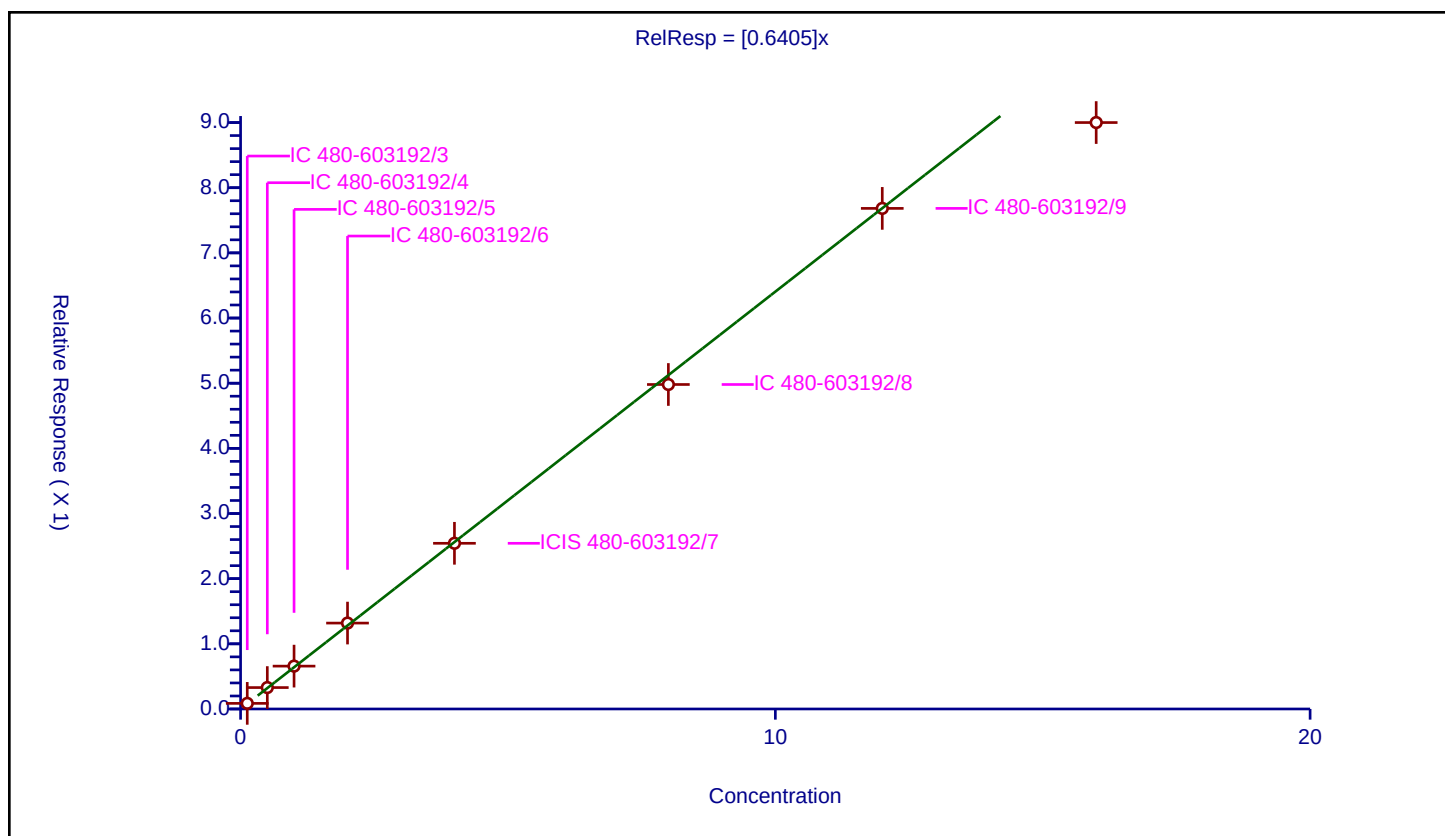
Curve Coefficients

Intercept: 0
 Slope: 0.6405

Error Coefficients

Standard Error: 1570000
 Relative Standard Error: 5.8
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.085961	4.0	1179138.0	0.687689	Y
2	IC 480-603192/4	0.5	0.328827	4.0	1232063.0	0.657655	Y
3	IC 480-603192/5	1.0	0.657951	4.0	1179072.0	0.657951	Y
4	IC 480-603192/6	2.0	1.318727	4.0	1240038.0	0.659364	Y
5	ICIS 480-603192/7	4.0	2.543245	4.0	1247120.0	0.635811	Y
6	IC 480-603192/8	8.0	4.979599	4.0	1238339.0	0.62245	Y
7	IC 480-603192/9	12.0	7.682537	4.0	1234435.0	0.640211	Y
8	IC 480-603192/10	16.0	9.000043	4.0	1293613.0	0.562503	Y



Calibration

/ Hexachlorocyclopentadiene

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

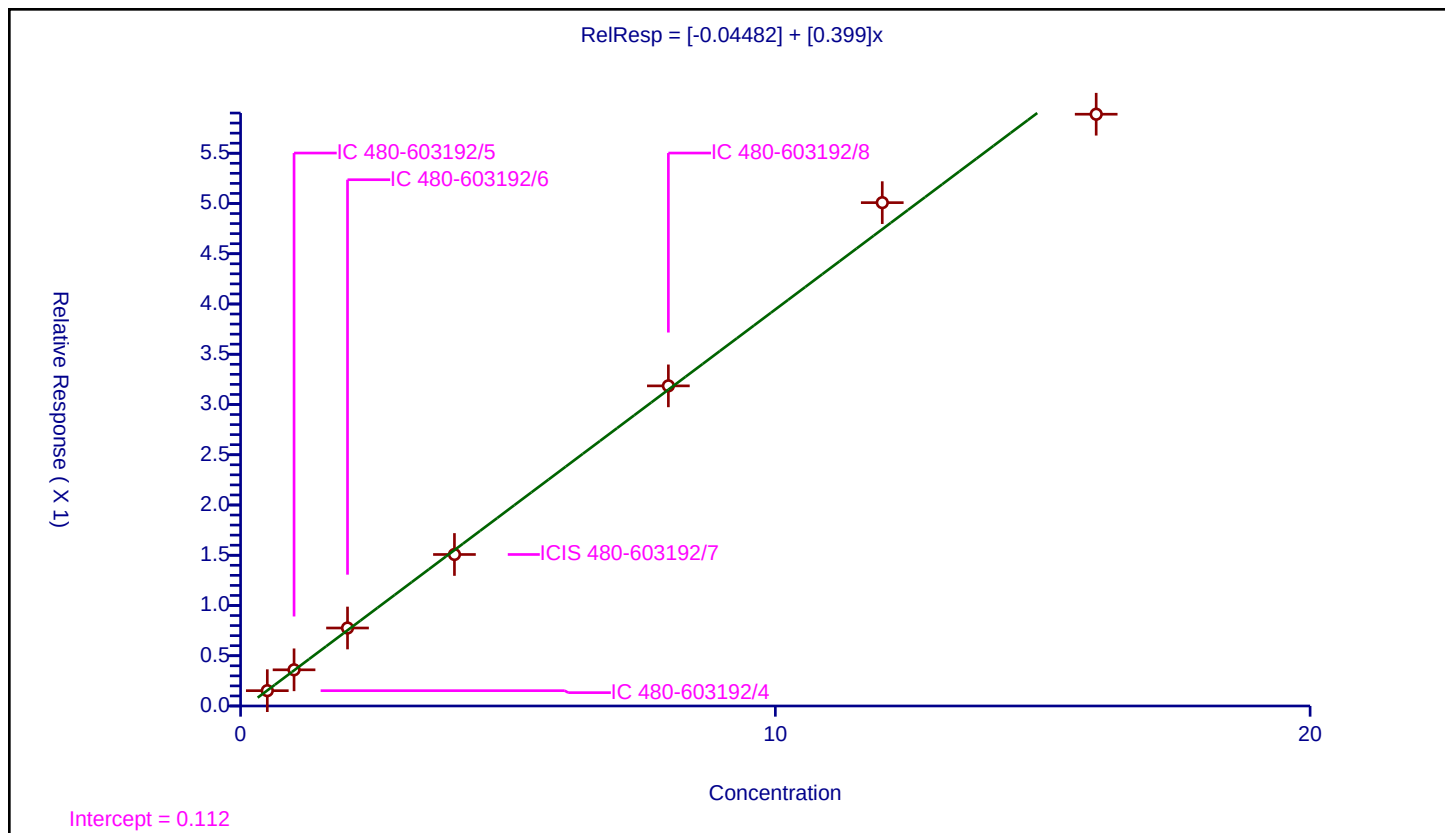
Curve Coefficients

Intercept: -0.04482
 Slope: 0.399

Error Coefficients

Standard Error: 636000
 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 480-603192/4	0.5	0.152383	4.0	654928.0	0.304766	Y
2	IC 480-603192/5	1.0	0.359868	4.0	661610.0	0.359868	Y
3	IC 480-603192/6	2.0	0.776084	4.0	637946.0	0.388042	Y
4	ICIS 480-603192/7	4.0	1.50753	4.0	670031.0	0.376883	Y
5	IC 480-603192/8	8.0	3.185363	4.0	663049.0	0.39817	Y
6	IC 480-603192/9	12.0	5.008273	4.0	638549.0	0.417356	Y
7	IC 480-603192/10	16.0	5.888098	4.0	686312.0	0.368006	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

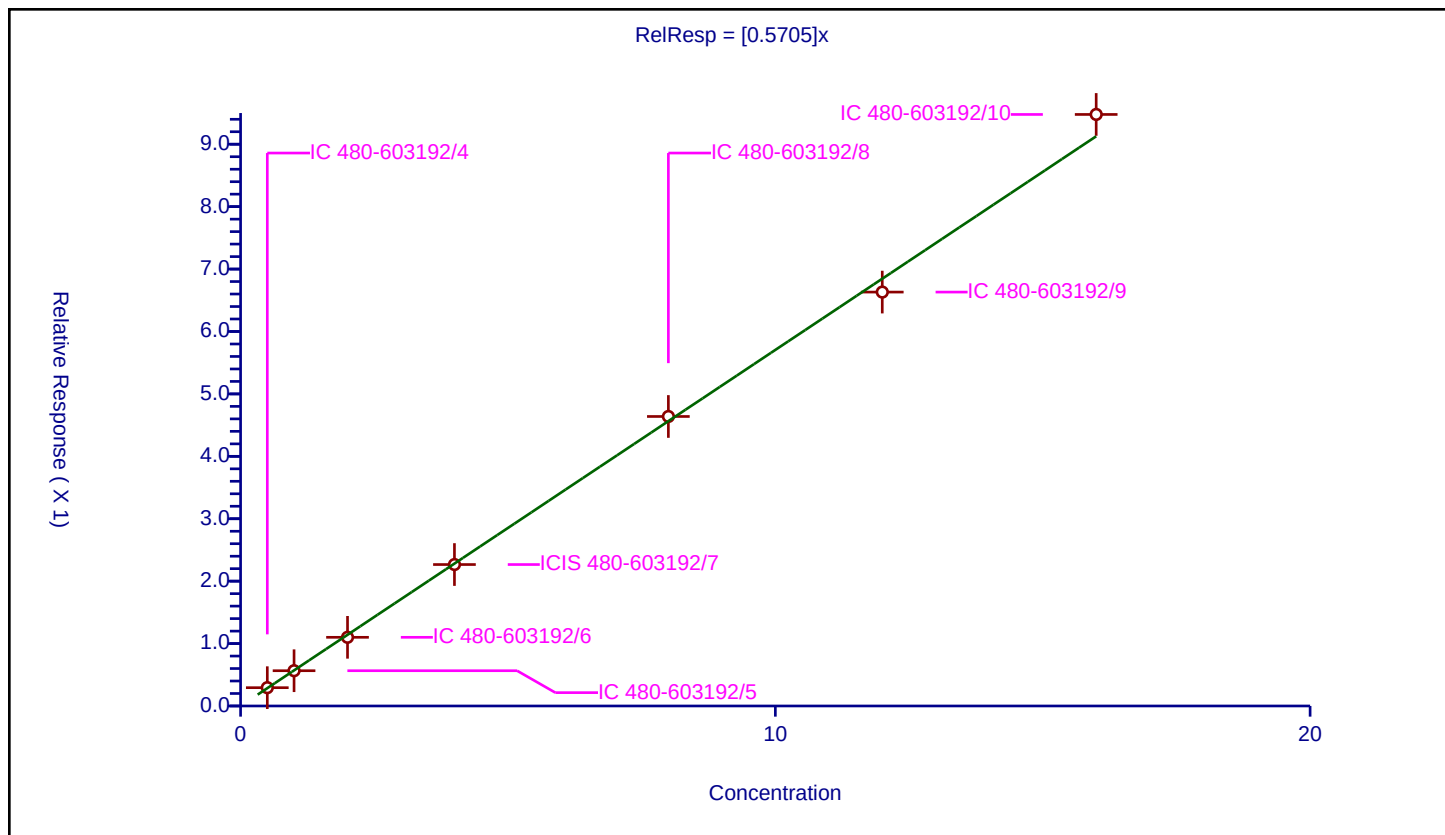
Curve Coefficients

Intercept: 0
 Slope: 0.5705

Error Coefficients

Standard Error: 870000
 Relative Standard Error: 2.9
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.293406	4.0	654928.0	0.586813	Y
2	IC 480-603192/5	1.0	0.565034	4.0	661610.0	0.565034	Y
3	IC 480-603192/6	2.0	1.10025	4.0	637946.0	0.550125	Y
4	ICIS 480-603192/7	4.0	2.266235	4.0	670031.0	0.566559	Y
5	IC 480-603192/8	8.0	4.638342	4.0	663049.0	0.579793	Y
6	IC 480-603192/9	12.0	6.631115	4.0	638549.0	0.552593	Y
7	IC 480-603192/10	16.0	9.477264	4.0	686312.0	0.592329	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

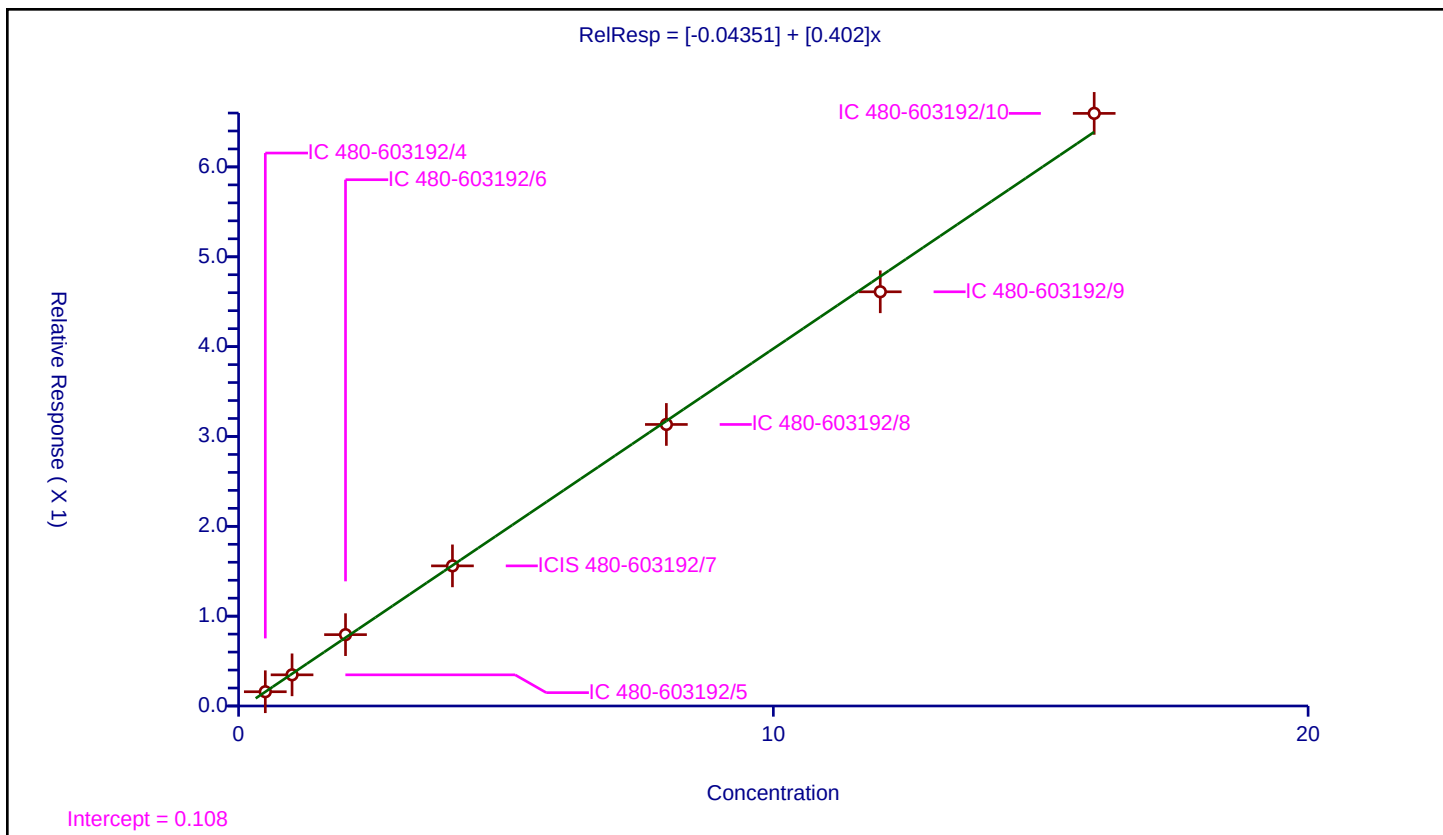
Curve Coefficients

Intercept: -0.04351
 Slope: 0.402

Error Coefficients

Standard Error: 660000
 Relative Standard Error: 3.2
 Correlation Coefficient: 0.992
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.158637	4.0	654928.0	0.317275	Y
2	IC 480-603192/5	1.0	0.346948	4.0	661610.0	0.346948	Y
3	IC 480-603192/6	2.0	0.79403	4.0	637946.0	0.397015	Y
4	ICIS 480-603192/7	4.0	1.559516	4.0	670031.0	0.389879	Y
5	IC 480-603192/8	8.0	3.133602	4.0	663049.0	0.3917	Y
6	IC 480-603192/9	12.0	4.610597	4.0	638549.0	0.384216	Y
7	IC 480-603192/10	16.0	6.596219	4.0	686312.0	0.412264	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

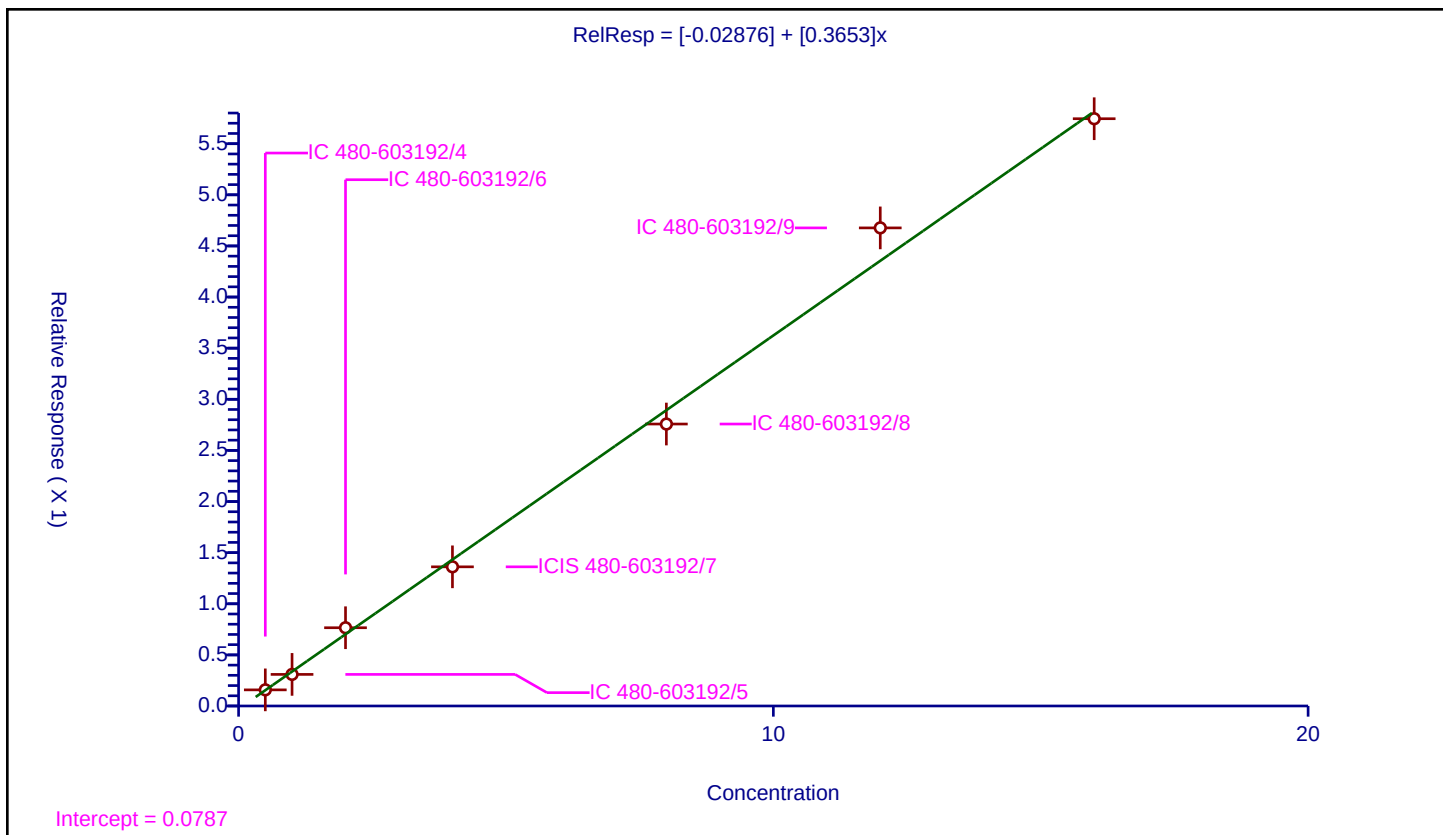
Curve Coefficients

Intercept: -0.02876
 Slope: 0.3653

Error Coefficients

Standard Error: 601000
 Relative Standard Error: 6.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.157947	4.0	654928.0	0.315894	Y
2	IC 480-603192/5	1.0	0.308919	4.0	661610.0	0.308919	Y
3	IC 480-603192/6	2.0	0.765338	4.0	637946.0	0.382669	Y
4	ICIS 480-603192/7	4.0	1.361167	4.0	670031.0	0.340292	Y
5	IC 480-603192/8	8.0	2.75798	4.0	663049.0	0.344748	Y
6	IC 480-603192/9	12.0	4.676596	4.0	638549.0	0.389716	Y
7	IC 480-603192/10	16.0	5.744081	4.0	686312.0	0.359005	Y



Calibration

/ 2-Fluorobiphenyl

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

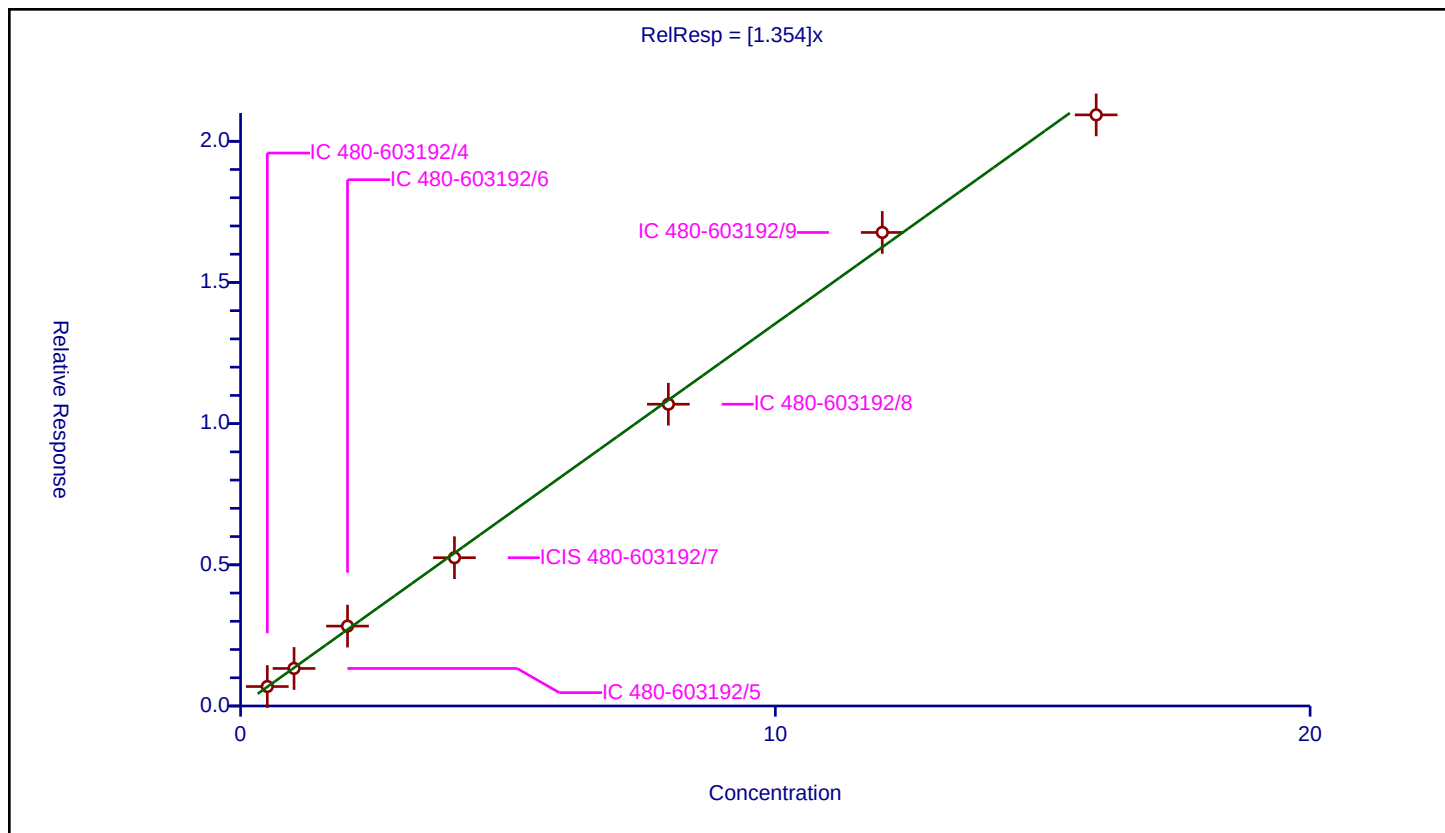
Curve Coefficients

Intercept: 0
 Slope: 1.354

Error Coefficients

Standard Error: 2010000
 Relative Standard Error: 3.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.689523	4.0	654928.0	1.379046	Y
2	IC 480-603192/5	1.0	1.330409	4.0	661610.0	1.330409	Y
3	IC 480-603192/6	2.0	2.829017	4.0	637946.0	1.414508	Y
4	ICIS 480-603192/7	4.0	5.252258	4.0	670031.0	1.313065	Y
5	IC 480-603192/8	8.0	10.688574	4.0	663049.0	1.336072	Y
6	IC 480-603192/9	12.0	16.770898	4.0	638549.0	1.397575	Y
7	IC 480-603192/10	16.0	20.934147	4.0	686312.0	1.308384	Y



Calibration

/ 1,1'-Biphenyl

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

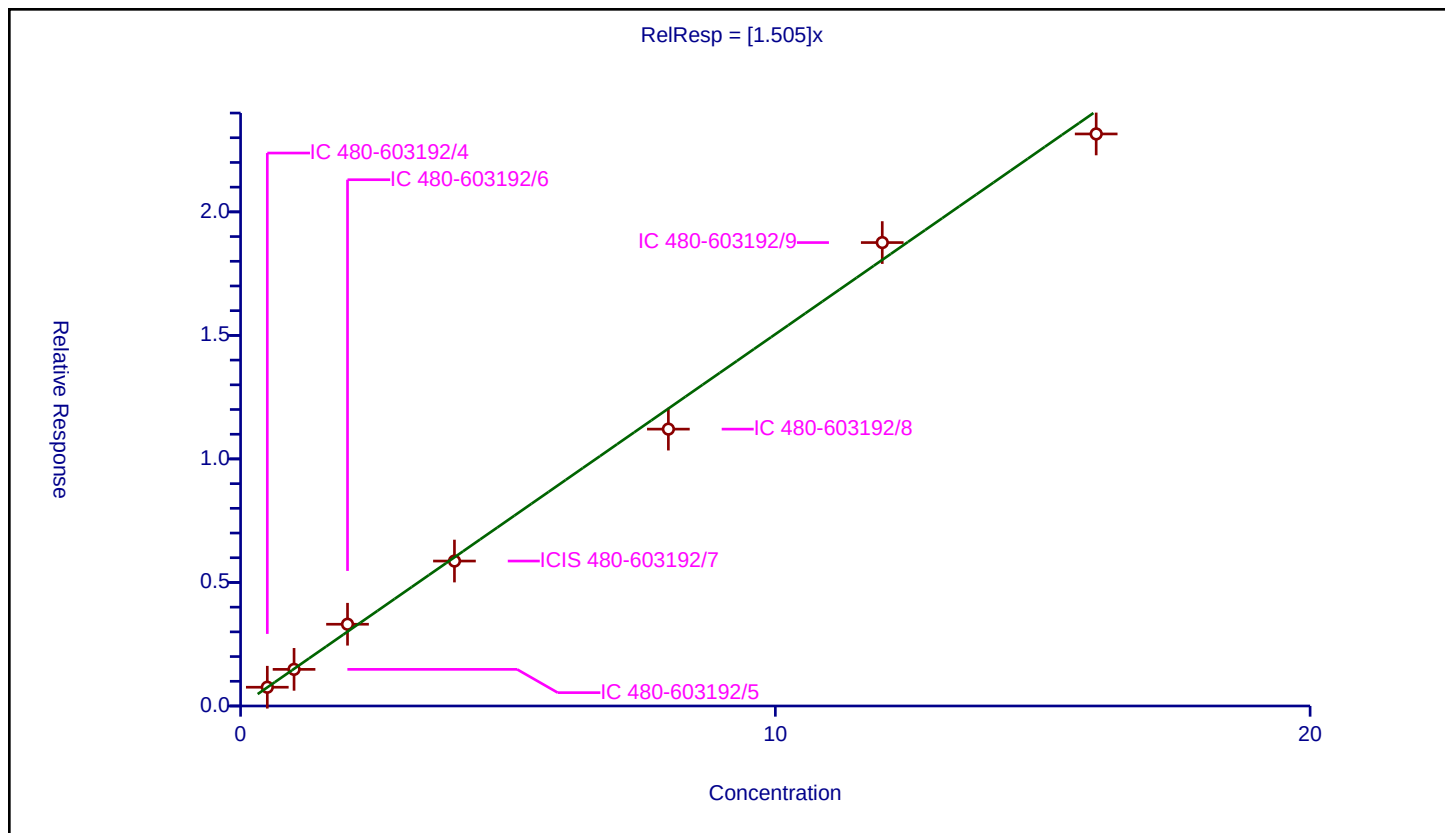
Curve Coefficients

Intercept: 0
Slope: 1.505

Error Coefficients

Standard Error: 2220000
Relative Standard Error: 5.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.759418	4.0	654928.0	1.518836	Y
2	IC 480-603192/5	1.0	1.482366	4.0	661610.0	1.482366	Y
3	IC 480-603192/6	2.0	3.309597	4.0	637946.0	1.654798	Y
4	ICIS 480-603192/7	4.0	5.866797	4.0	670031.0	1.466699	Y
5	IC 480-603192/8	8.0	11.206912	4.0	663049.0	1.400864	Y
6	IC 480-603192/9	12.0	18.756368	4.0	638549.0	1.563031	Y
7	IC 480-603192/10	16.0	23.153936	4.0	686312.0	1.447121	Y



Calibration

/ 2-Chloronaphthalene

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

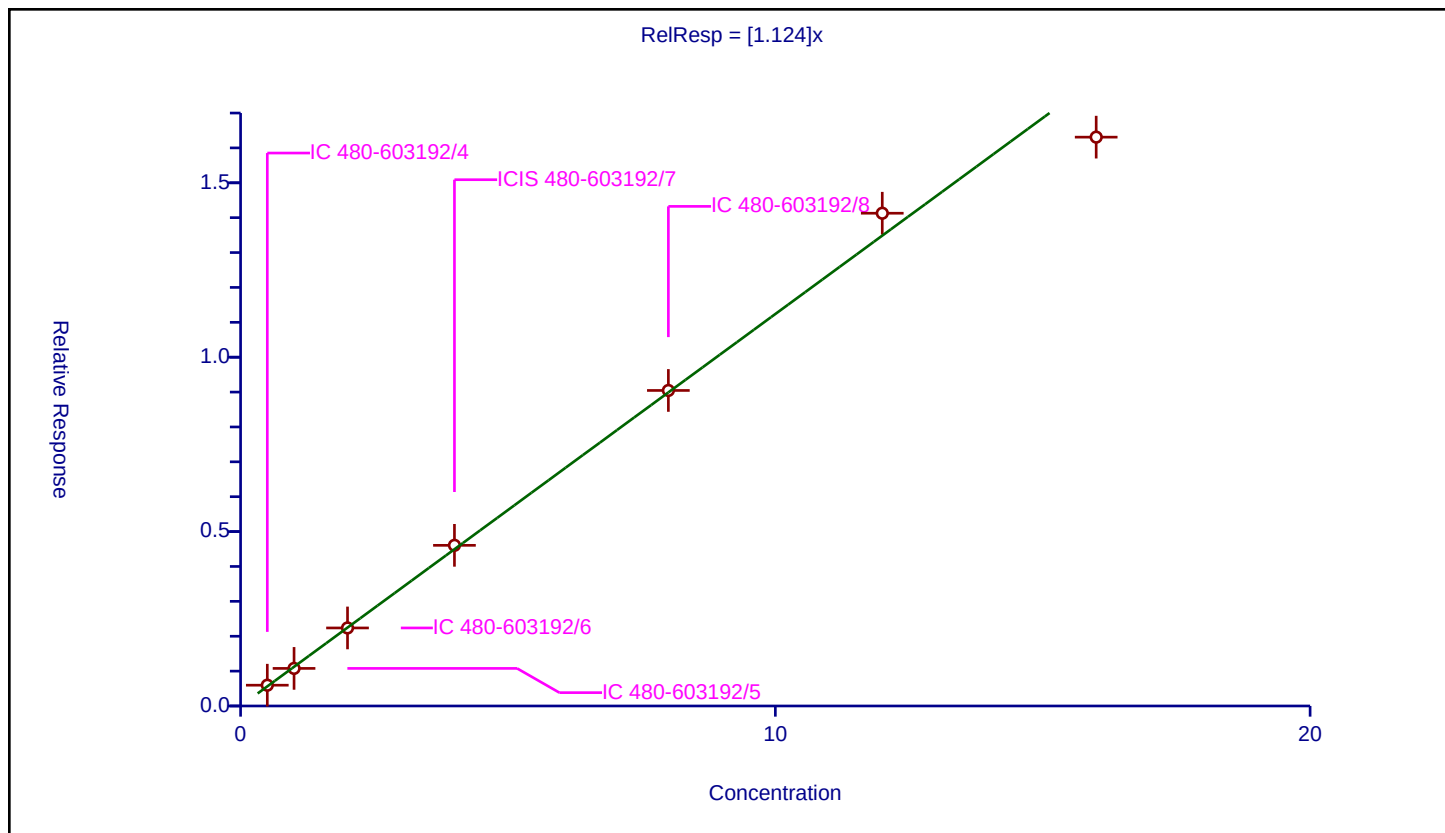
Curve Coefficients

Intercept: 0
 Slope: 1.124

Error Coefficients

Standard Error: 1630000
 Relative Standard Error: 5.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.595717	4.0	654928.0	1.191435	Y
2	IC 480-603192/5	1.0	1.07739	4.0	661610.0	1.07739	Y
3	IC 480-603192/6	2.0	2.237381	4.0	637946.0	1.11869	Y
4	ICIS 480-603192/7	4.0	4.606217	4.0	670031.0	1.151554	Y
5	IC 480-603192/8	8.0	9.046137	4.0	663049.0	1.130767	Y
6	IC 480-603192/9	12.0	14.126603	4.0	638549.0	1.177217	Y
7	IC 480-603192/10	16.0	16.308612	4.0	686312.0	1.019288	Y



Calibration

/ 2-Nitroaniline

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

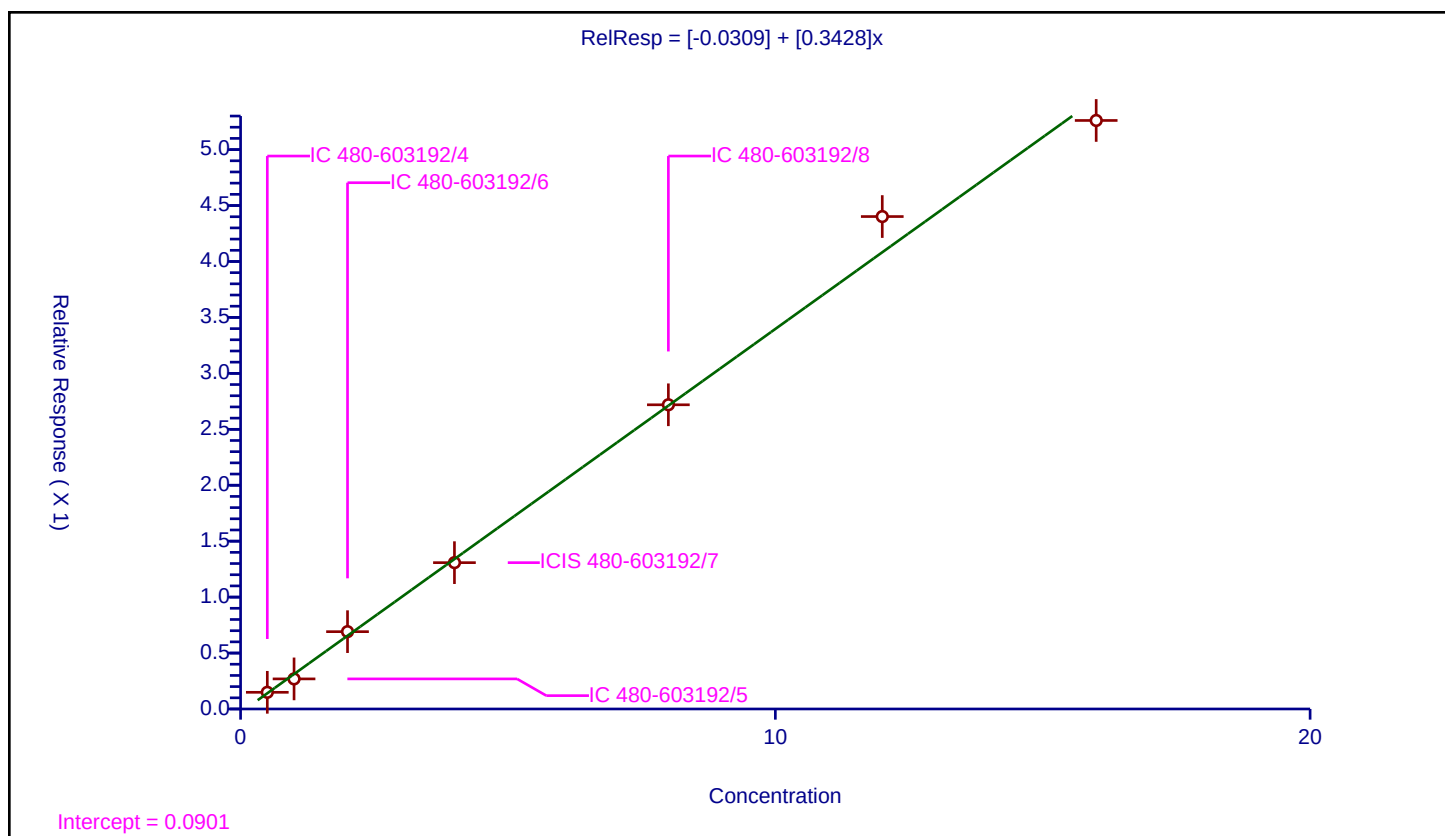
Curve Coefficients

Intercept: -0.0309
 Slope: 0.3428

Error Coefficients

Standard Error: 561000
 Relative Standard Error: 7.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.149036	4.0	654928.0	0.298072	Y
2	IC 480-603192/5	1.0	0.268896	4.0	661610.0	0.268896	Y
3	IC 480-603192/6	2.0	0.691225	4.0	637946.0	0.345612	Y
4	ICIS 480-603192/7	4.0	1.308107	4.0	670031.0	0.327027	Y
5	IC 480-603192/8	8.0	2.719292	4.0	663049.0	0.339912	Y
6	IC 480-603192/9	12.0	4.401316	4.0	638549.0	0.366776	Y
7	IC 480-603192/10	16.0	5.260208	4.0	686312.0	0.328763	Y



Calibration

/ Dimethyl phthalate

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

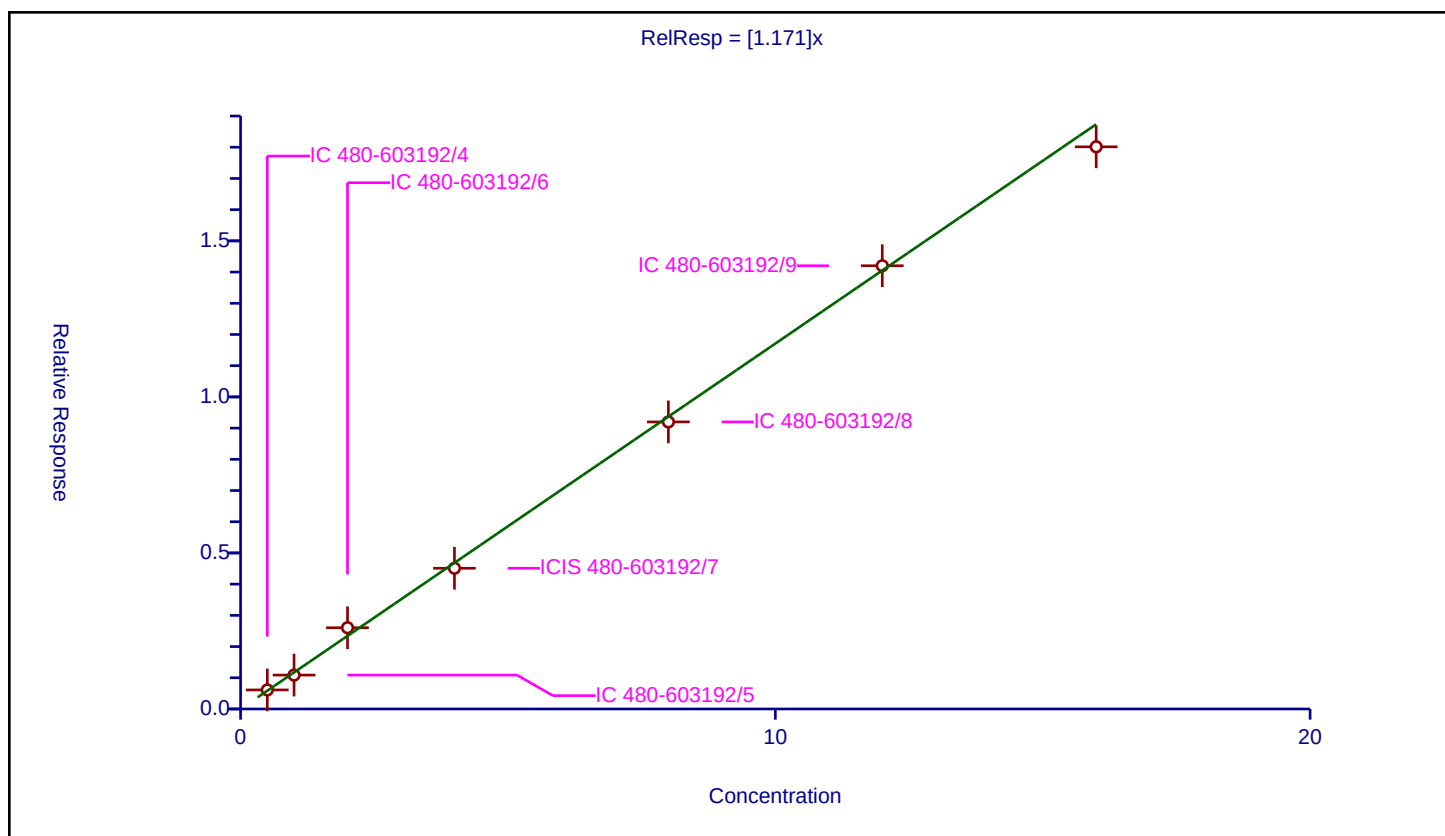
Curve Coefficients

Intercept: 0
Slope: 1.171

Error Coefficients

Standard Error: 1720000
Relative Standard Error: 6.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.610656	4.0	654928.0	1.221313	Y
2	IC 480-603192/5	1.0	1.086374	4.0	661610.0	1.086374	Y
3	IC 480-603192/6	2.0	2.604252	4.0	637946.0	1.302126	Y
4	ICIS 480-603192/7	4.0	4.510197	4.0	670031.0	1.127549	Y
5	IC 480-603192/8	8.0	9.198844	4.0	663049.0	1.149855	Y
6	IC 480-603192/9	12.0	14.202656	4.0	638549.0	1.183555	Y
7	IC 480-603192/10	16.0	18.014029	4.0	686312.0	1.125877	Y



Calibration

/ 1,3-Dinitrobenzene

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

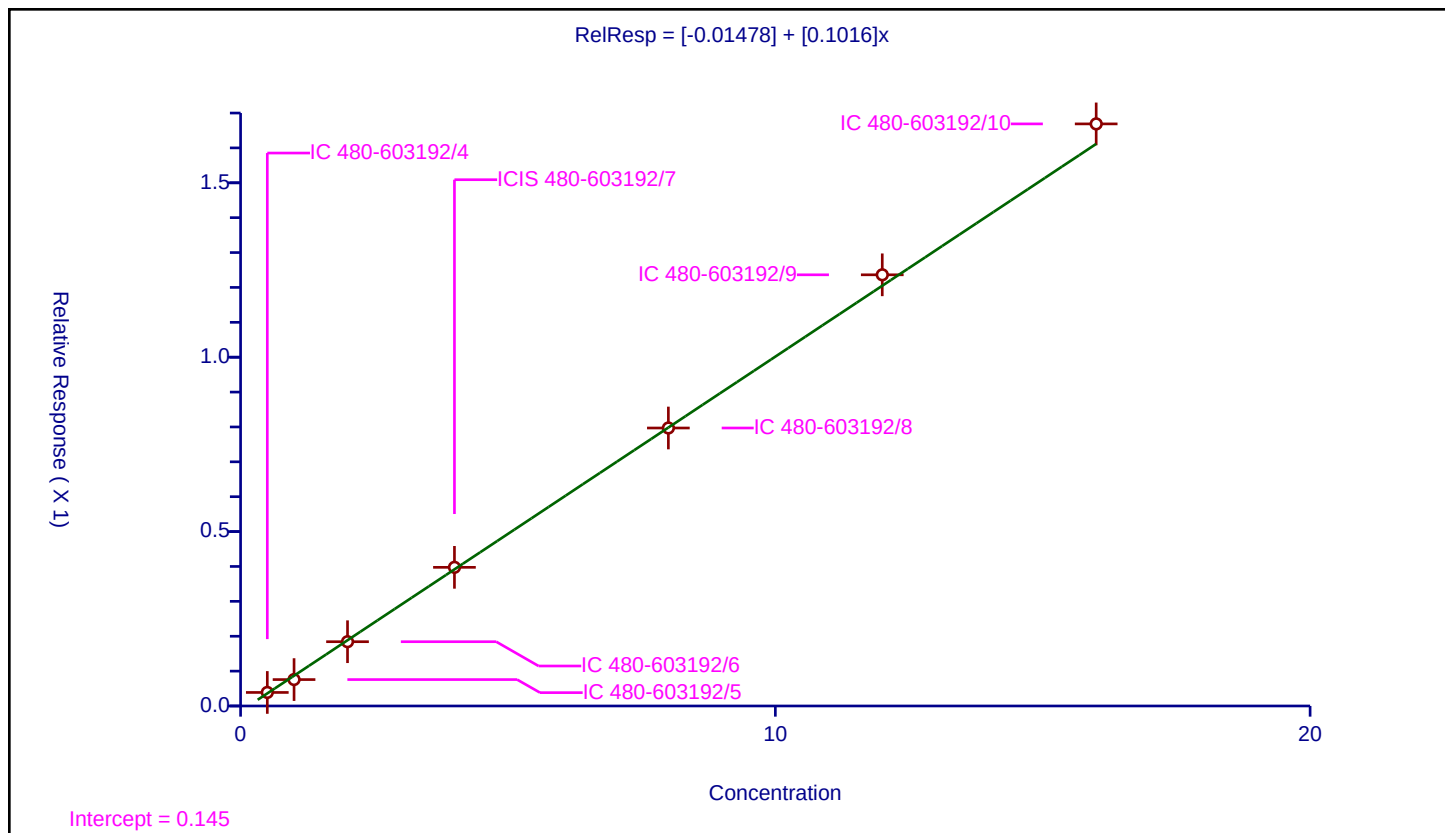
Curve Coefficients

Intercept: -0.01478
 Slope: 0.1016

Error Coefficients

Standard Error: 322000
 Relative Standard Error: 5.9
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.038858	4.0	1232063.0	0.077717	Y
2	IC 480-603192/5	1.0	0.075836	4.0	1179072.0	0.075836	Y
3	IC 480-603192/6	2.0	0.184298	4.0	1240038.0	0.092149	Y
4	ICIS 480-603192/7	4.0	0.397546	4.0	1247120.0	0.099387	Y
5	IC 480-603192/8	8.0	0.797006	4.0	1238339.0	0.099626	Y
6	IC 480-603192/9	12.0	1.236209	4.0	1234435.0	0.103017	Y
7	IC 480-603192/10	16.0	1.668824	4.0	1293613.0	0.104301	Y



Calibration

/ 2,6-Dinitrotoluene

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

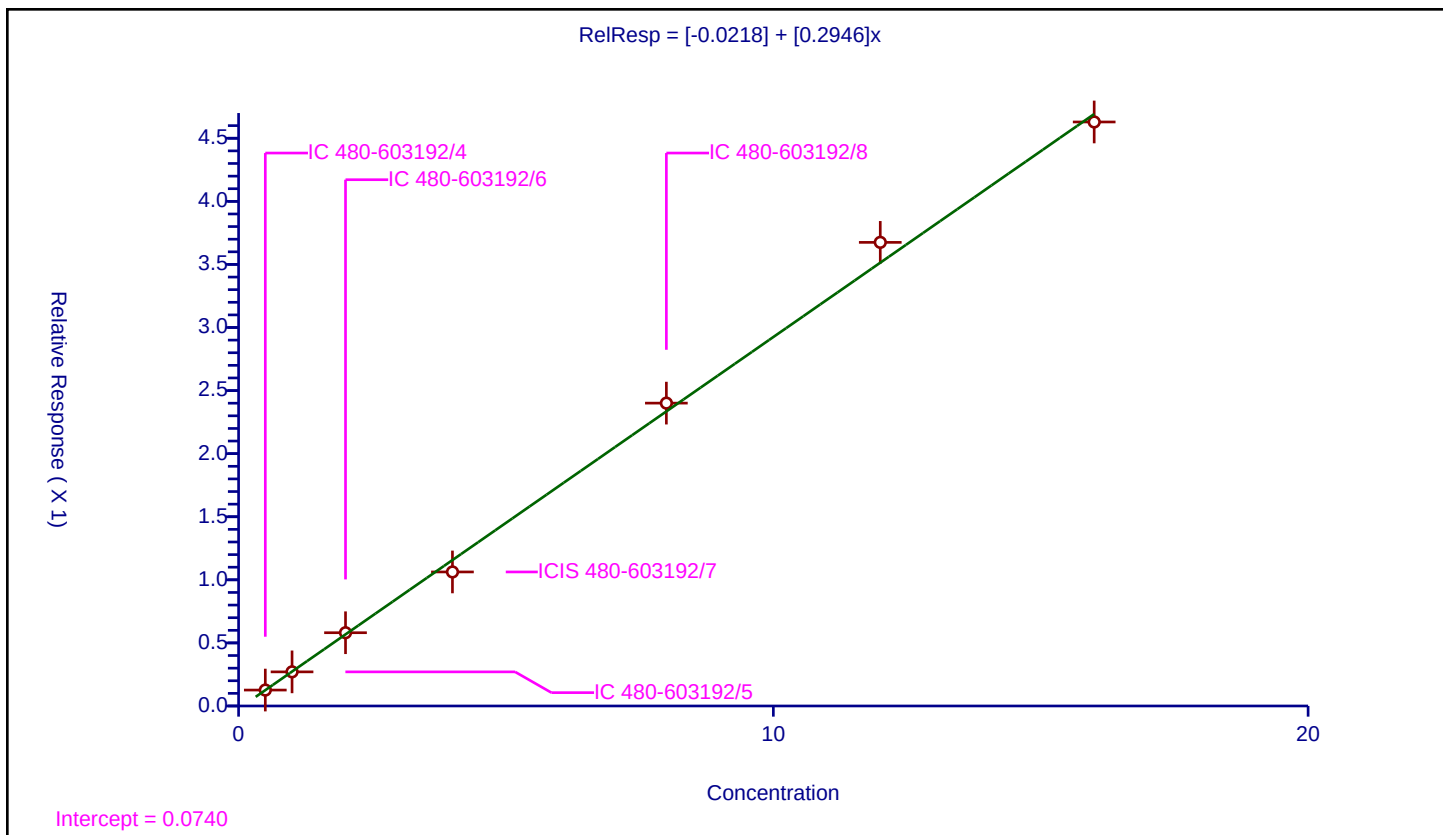
Curve Coefficients

Intercept: -0.0218
 Slope: 0.2946

Error Coefficients

Standard Error: 485000
 Relative Standard Error: 4.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.126218	4.0	654928.0	0.252437	Y
2	IC 480-603192/5	1.0	0.270649	4.0	661610.0	0.270649	Y
3	IC 480-603192/6	2.0	0.580783	4.0	637946.0	0.290391	Y
4	ICIS 480-603192/7	4.0	1.062345	4.0	670031.0	0.265586	Y
5	IC 480-603192/8	8.0	2.400486	4.0	663049.0	0.300061	Y
6	IC 480-603192/9	12.0	3.674825	4.0	638549.0	0.306235	Y
7	IC 480-603192/10	16.0	4.62895	4.0	686312.0	0.289309	Y



Calibration

/ Acenaphthylene

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

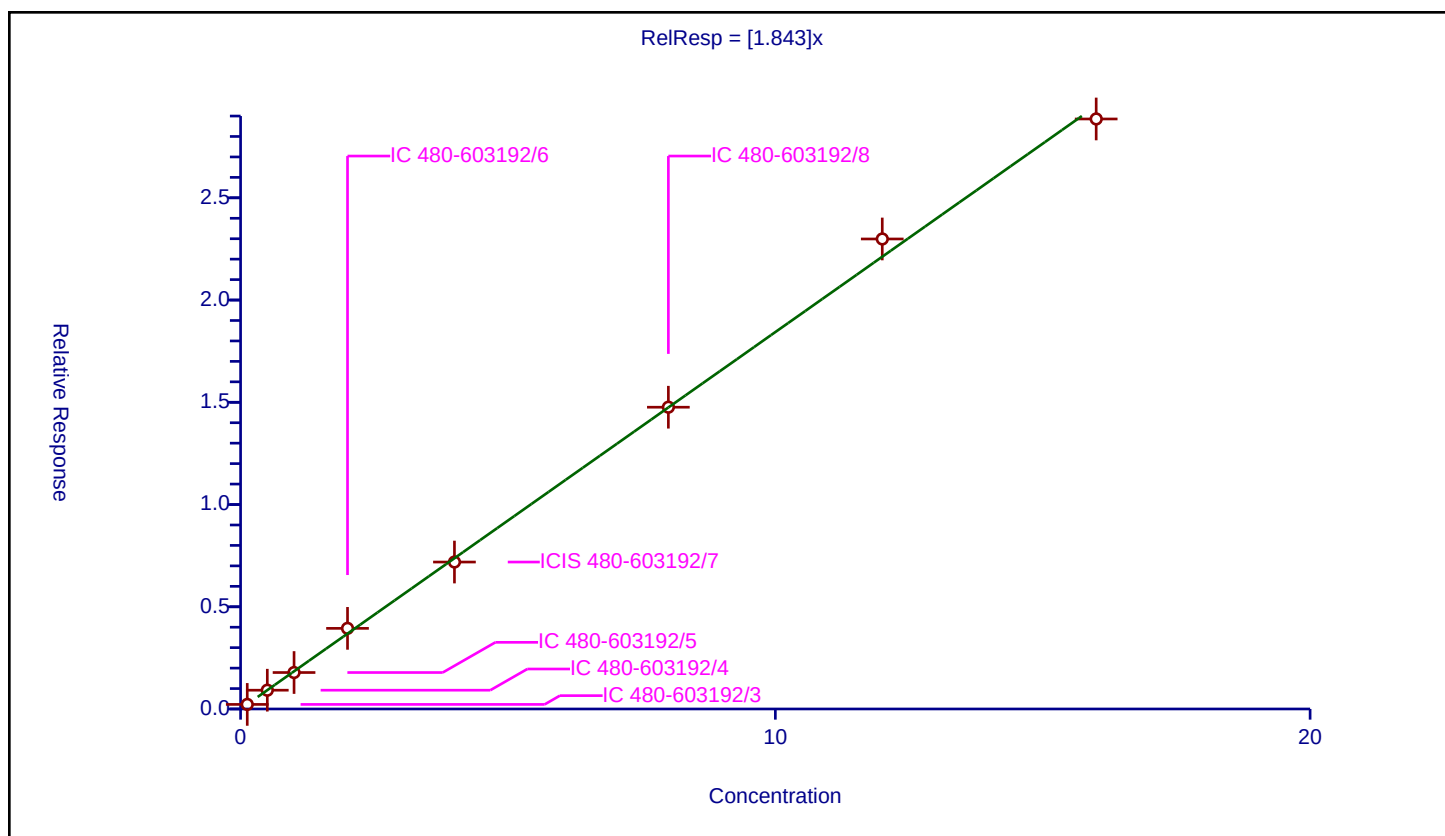
Curve Coefficients

Intercept: 0
 Slope: 1.843

Error Coefficients

Standard Error: 2560000
 Relative Standard Error: 3.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.224179	4.0	644468.0	1.79343	Y
2	IC 480-603192/4	0.5	0.91866	4.0	654928.0	1.83732	Y
3	IC 480-603192/5	1.0	1.783189	4.0	661610.0	1.783189	Y
4	IC 480-603192/6	2.0	3.943293	4.0	637946.0	1.971647	Y
5	ICIS 480-603192/7	4.0	7.187936	4.0	670031.0	1.796984	Y
6	IC 480-603192/8	8.0	14.760134	4.0	663049.0	1.845017	Y
7	IC 480-603192/9	12.0	22.987035	4.0	638549.0	1.915586	Y
8	IC 480-603192/10	16.0	28.856176	4.0	686312.0	1.803511	Y



Calibration

/ 3-Nitroaniline

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

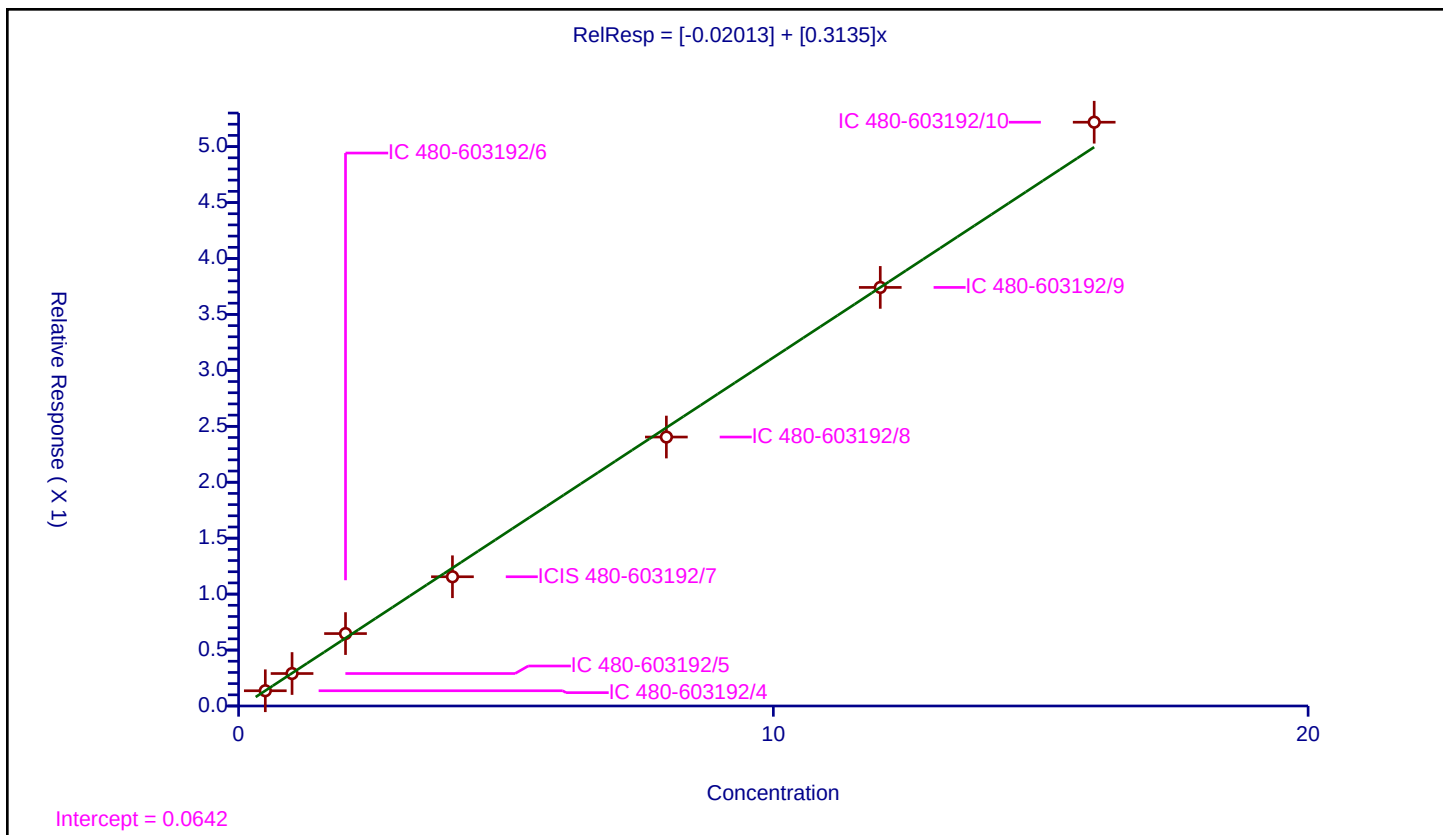
Curve Coefficients

Intercept: -0.02013
 Slope: 0.3135

Error Coefficients

Standard Error: 523000
 Relative Standard Error: 4.7
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.13621	4.0	654928.0	0.272421	Y
2	IC 480-603192/5	1.0	0.290213	4.0	661610.0	0.290213	Y
3	IC 480-603192/6	2.0	0.647183	4.0	637946.0	0.323592	Y
4	ICIS 480-603192/7	4.0	1.155027	4.0	670031.0	0.288757	Y
5	IC 480-603192/8	8.0	2.403955	4.0	663049.0	0.300494	Y
6	IC 480-603192/9	12.0	3.741288	4.0	638549.0	0.311774	Y
7	IC 480-603192/10	16.0	5.218093	4.0	686312.0	0.326131	Y



Calibration

/ 2,4-Dinitrophenol

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

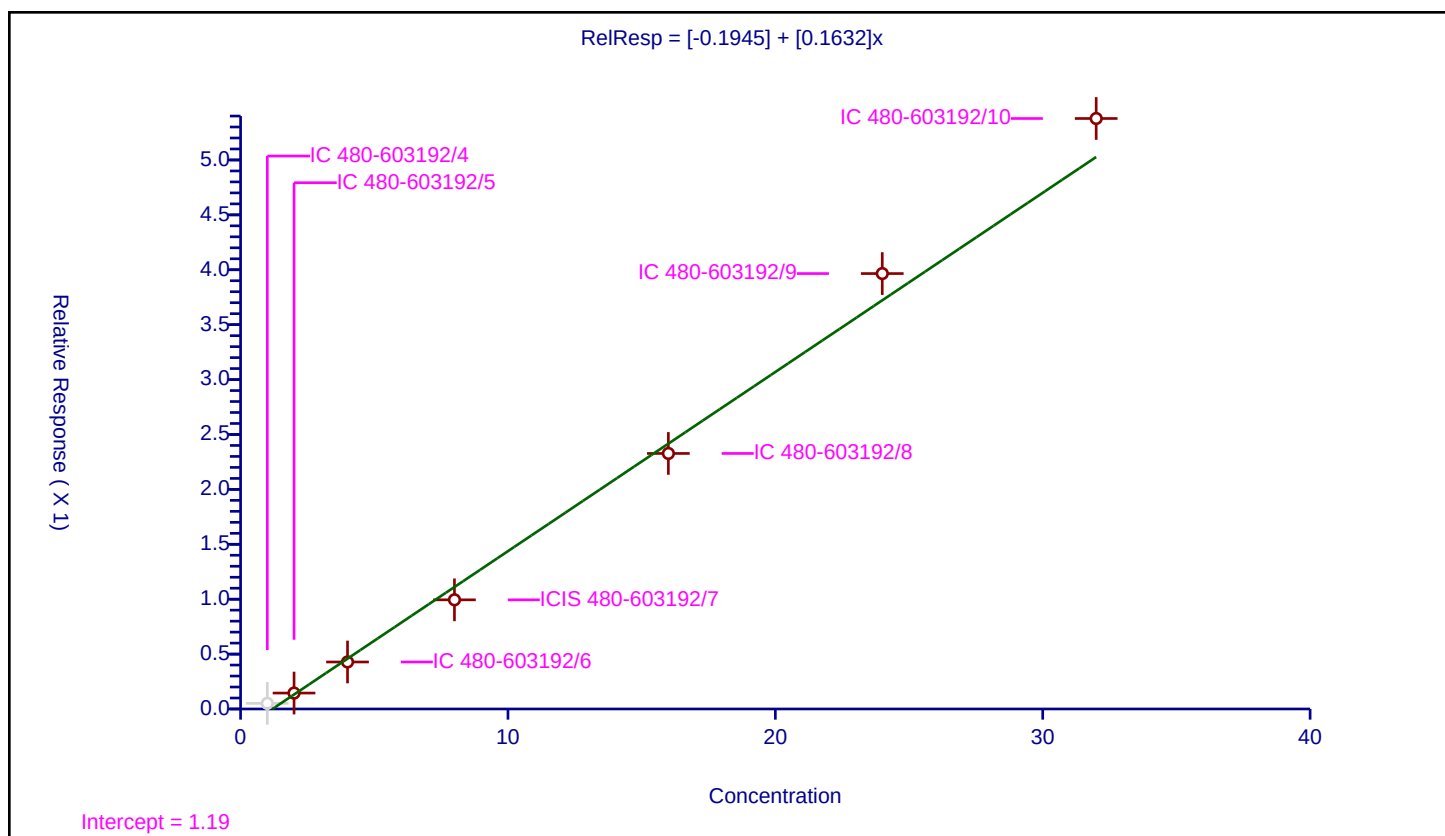
Curve Coefficients

Intercept: -0.1945
 Slope: 0.1632

Error Coefficients

Standard Error: 599000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	1.0	0.051358	4.0	654928.0	0.051358	N
2	IC 480-603192/5	2.0	0.14501	4.0	661610.0	0.072505	Y
3	IC 480-603192/6	4.0	0.428262	4.0	637946.0	0.107065	Y
4	ICIS 480-603192/7	8.0	0.994205	4.0	670031.0	0.124276	Y
5	IC 480-603192/8	16.0	2.32708	4.0	663049.0	0.145442	Y
6	IC 480-603192/9	24.0	3.965365	4.0	638549.0	0.165224	Y
7	IC 480-603192/10	32.0	5.377397	4.0	686312.0	0.168044	Y



Calibration

/ Acenaphthene

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

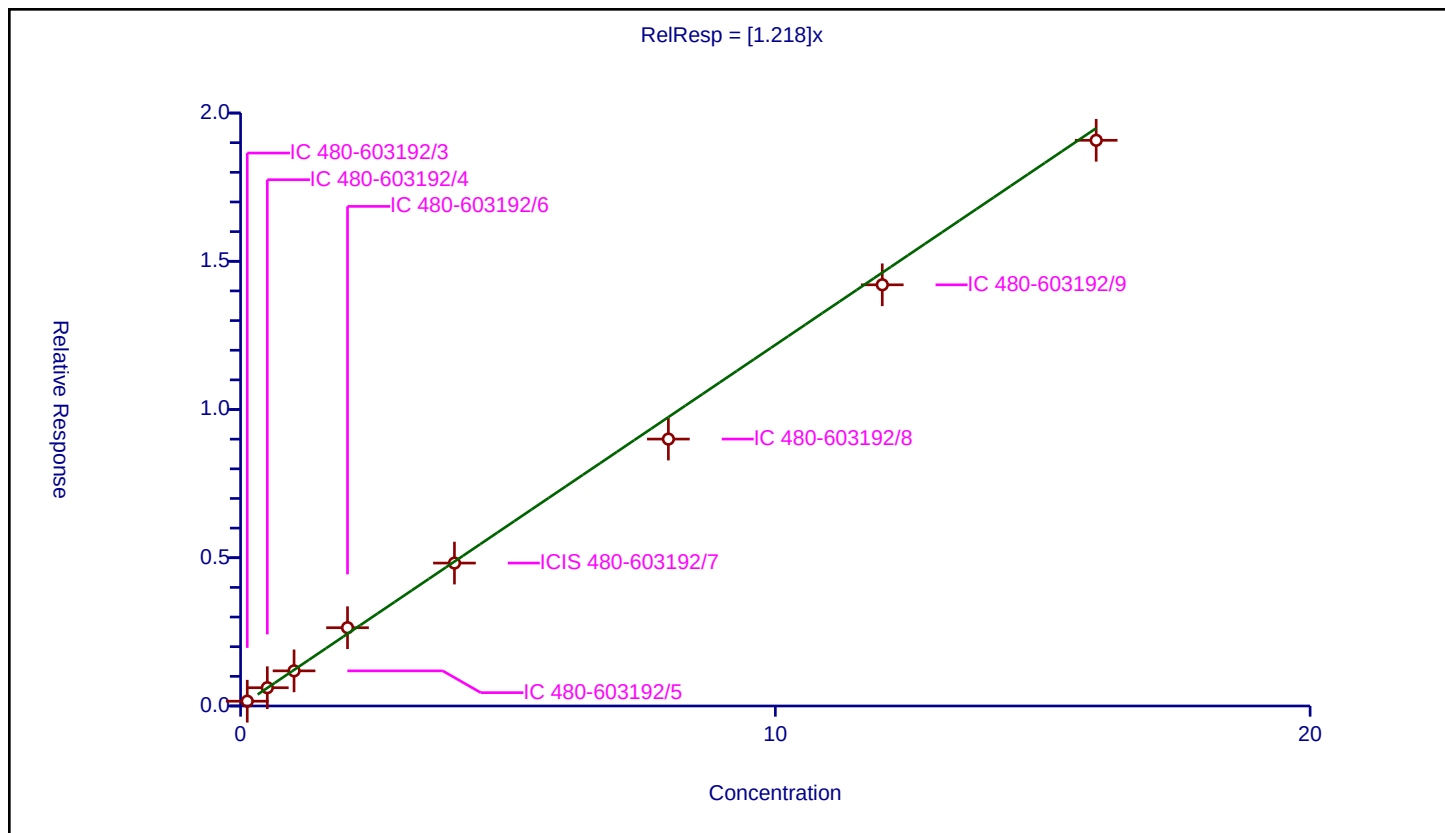
Curve Coefficients

Intercept: 0
 Slope: 1.218

Error Coefficients

Standard Error: 1650000
 Relative Standard Error: 5.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.16254	4.0	644468.0	1.300322	Y
2	IC 480-603192/4	0.5	0.616135	4.0	654928.0	1.23227	Y
3	IC 480-603192/5	1.0	1.184589	4.0	661610.0	1.184589	Y
4	IC 480-603192/6	2.0	2.640481	4.0	637946.0	1.32024	Y
5	ICIS 480-603192/7	4.0	4.820261	4.0	670031.0	1.205065	Y
6	IC 480-603192/8	8.0	9.002393	4.0	663049.0	1.125299	Y
7	IC 480-603192/9	12.0	14.207066	4.0	638549.0	1.183922	Y
8	IC 480-603192/10	16.0	19.079905	4.0	686312.0	1.192494	Y



Calibration

/ 4-Nitrophenol

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

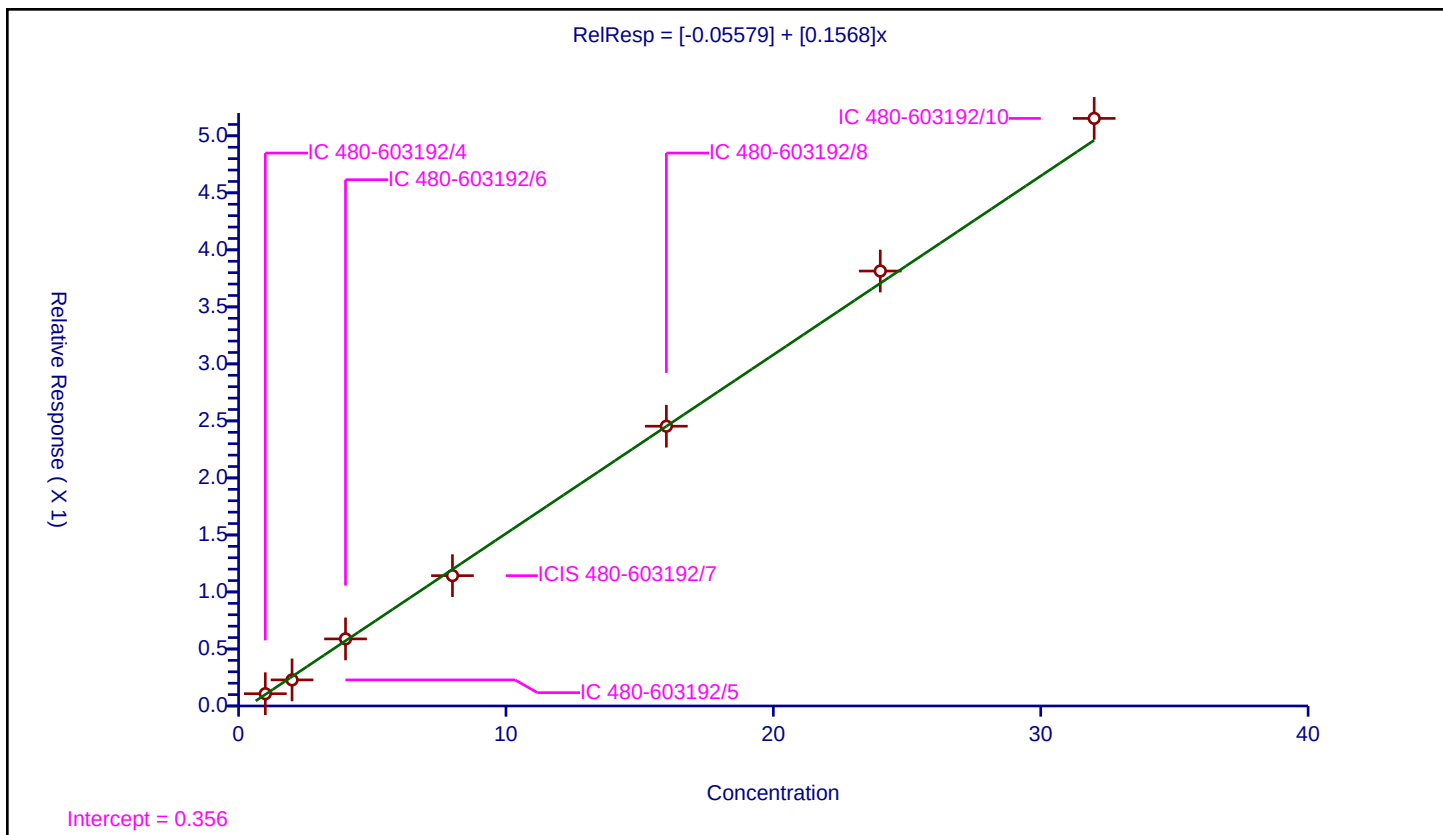
Curve Coefficients

Intercept: -0.05579
 Slope: 0.1568

Error Coefficients

Standard Error: 523000
 Relative Standard Error: 5.5
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	1.0	0.107676	4.0	654928.0	0.107676	Y
2	IC 480-603192/5	2.0	0.228787	4.0	661610.0	0.114394	Y
3	IC 480-603192/6	4.0	0.588407	4.0	637946.0	0.147102	Y
4	ICIS 480-603192/7	8.0	1.143141	4.0	670031.0	0.142893	Y
5	IC 480-603192/8	16.0	2.453562	4.0	663049.0	0.153348	Y
6	IC 480-603192/9	24.0	3.814454	4.0	638549.0	0.158936	Y
7	IC 480-603192/10	32.0	5.152904	4.0	686312.0	0.161028	Y



Calibration

/ 2,4-Dinitrotoluene

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

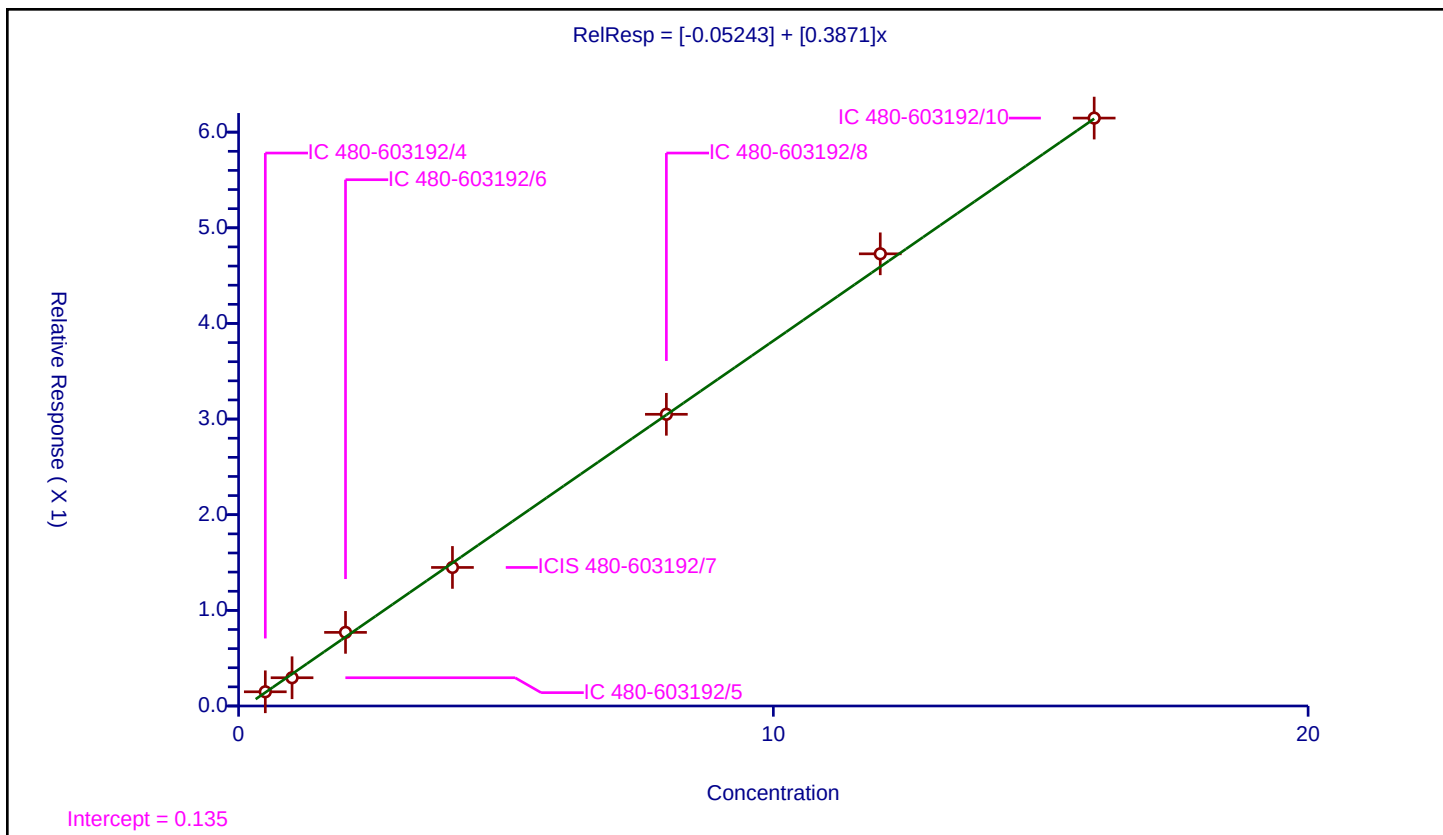
Curve Coefficients

Intercept: -0.05243
 Slope: 0.3871

Error Coefficients

Standard Error: 635000
 Relative Standard Error: 5.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.148371	4.0	654928.0	0.296741	Y
2	IC 480-603192/5	1.0	0.295437	4.0	661610.0	0.295437	Y
3	IC 480-603192/6	2.0	0.76972	4.0	637946.0	0.38486	Y
4	ICIS 480-603192/7	4.0	1.448536	4.0	670031.0	0.362134	Y
5	IC 480-603192/8	8.0	3.050206	4.0	663049.0	0.381276	Y
6	IC 480-603192/9	12.0	4.727856	4.0	638549.0	0.393988	Y
7	IC 480-603192/10	16.0	6.14693	4.0	686312.0	0.384183	Y



Calibration

/ Dibenzofuran

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

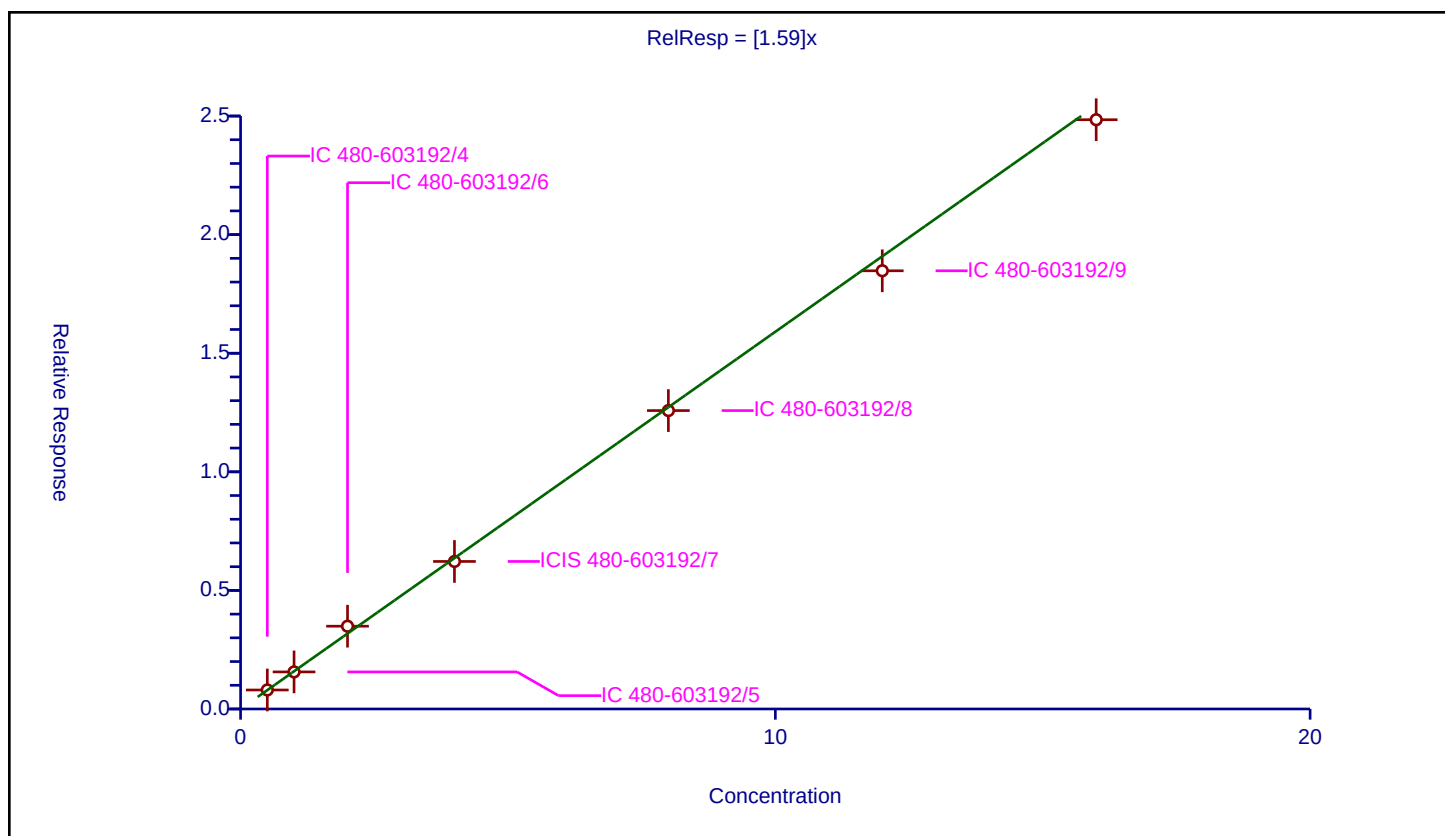
Curve Coefficients

Intercept: 0
 Slope: 1.59

Error Coefficients

Standard Error: 2330000
 Relative Standard Error: 4.5
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.802226	4.0	654928.0	1.604451	Y
2	IC 480-603192/5	1.0	1.56329	4.0	661610.0	1.56329	Y
3	IC 480-603192/6	2.0	3.490258	4.0	637946.0	1.745129	Y
4	ICIS 480-603192/7	4.0	6.220375	4.0	670031.0	1.555094	Y
5	IC 480-603192/8	8.0	12.580693	4.0	663049.0	1.572587	Y
6	IC 480-603192/9	12.0	18.476095	4.0	638549.0	1.539675	Y
7	IC 480-603192/10	16.0	24.844088	4.0	686312.0	1.552756	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

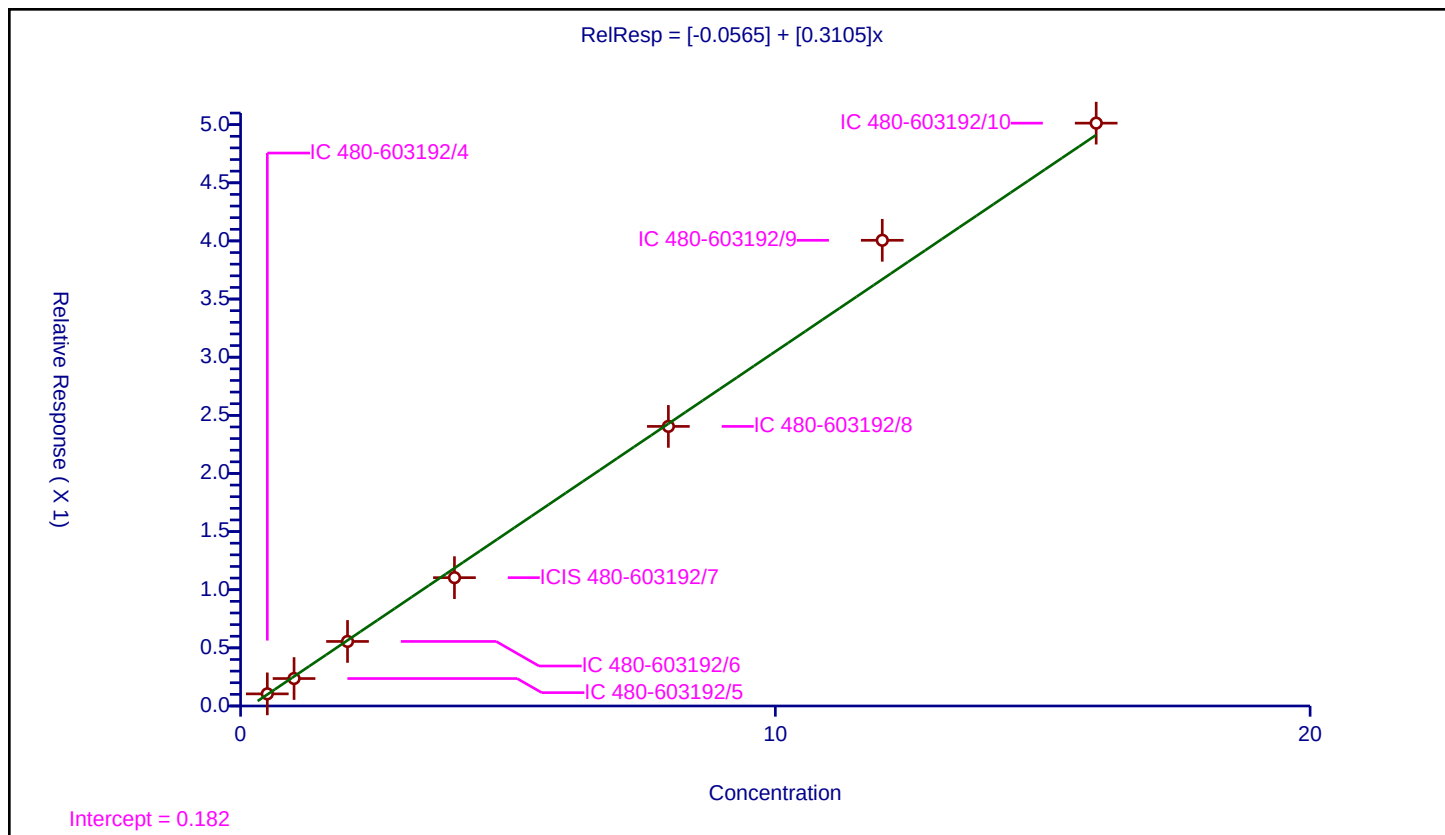
Curve Coefficients

Intercept: -0.0565
 Slope: 0.3105

Error Coefficients

Standard Error: 520000
 Relative Standard Error: 6.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.104476	4.0	654928.0	0.208951	Y
2	IC 480-603192/5	1.0	0.236236	4.0	661610.0	0.236236	Y
3	IC 480-603192/6	2.0	0.555238	4.0	637946.0	0.277619	Y
4	ICIS 480-603192/7	4.0	1.103835	4.0	670031.0	0.275959	Y
5	IC 480-603192/8	8.0	2.404643	4.0	663049.0	0.30058	Y
6	IC 480-603192/9	12.0	4.005625	4.0	638549.0	0.333802	Y
7	IC 480-603192/10	16.0	5.013149	4.0	686312.0	0.313322	Y



Calibration

/ Hexadecane

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

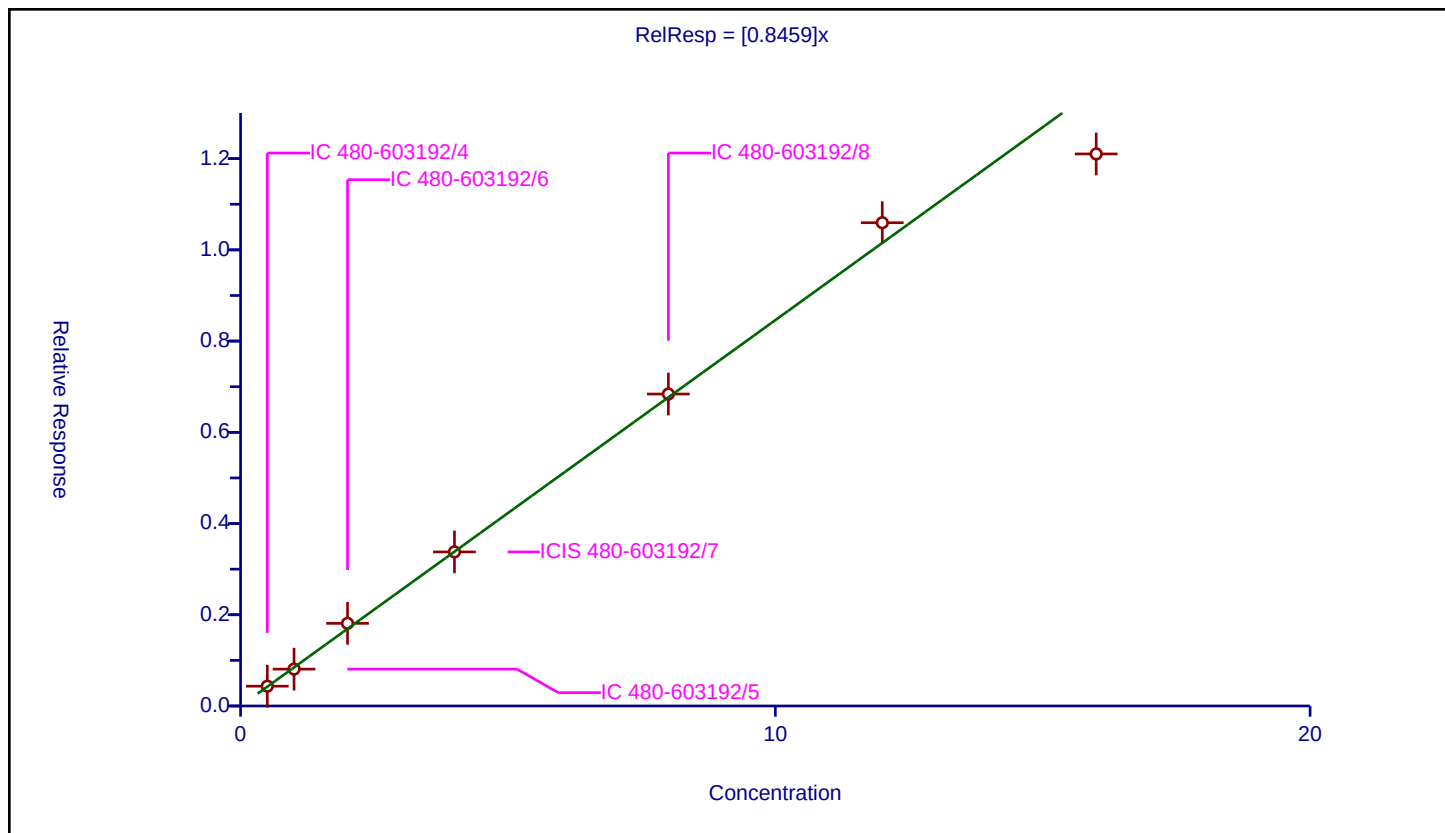
Curve Coefficients

Intercept: 0
Slope: 0.8459

Error Coefficients

Standard Error: 1220000
Relative Standard Error: 5.9
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.434124	4.0	654928.0	0.868248	Y
2	IC 480-603192/5	1.0	0.808906	4.0	661610.0	0.808906	Y
3	IC 480-603192/6	2.0	1.811301	4.0	637946.0	0.90565	Y
4	ICIS 480-603192/7	4.0	3.378124	4.0	670031.0	0.844531	Y
5	IC 480-603192/8	8.0	6.839308	4.0	663049.0	0.854913	Y
6	IC 480-603192/9	12.0	10.594676	4.0	638549.0	0.88289	Y
7	IC 480-603192/10	16.0	12.103457	4.0	686312.0	0.756466	Y



Calibration

/ Diethyl phthalate

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

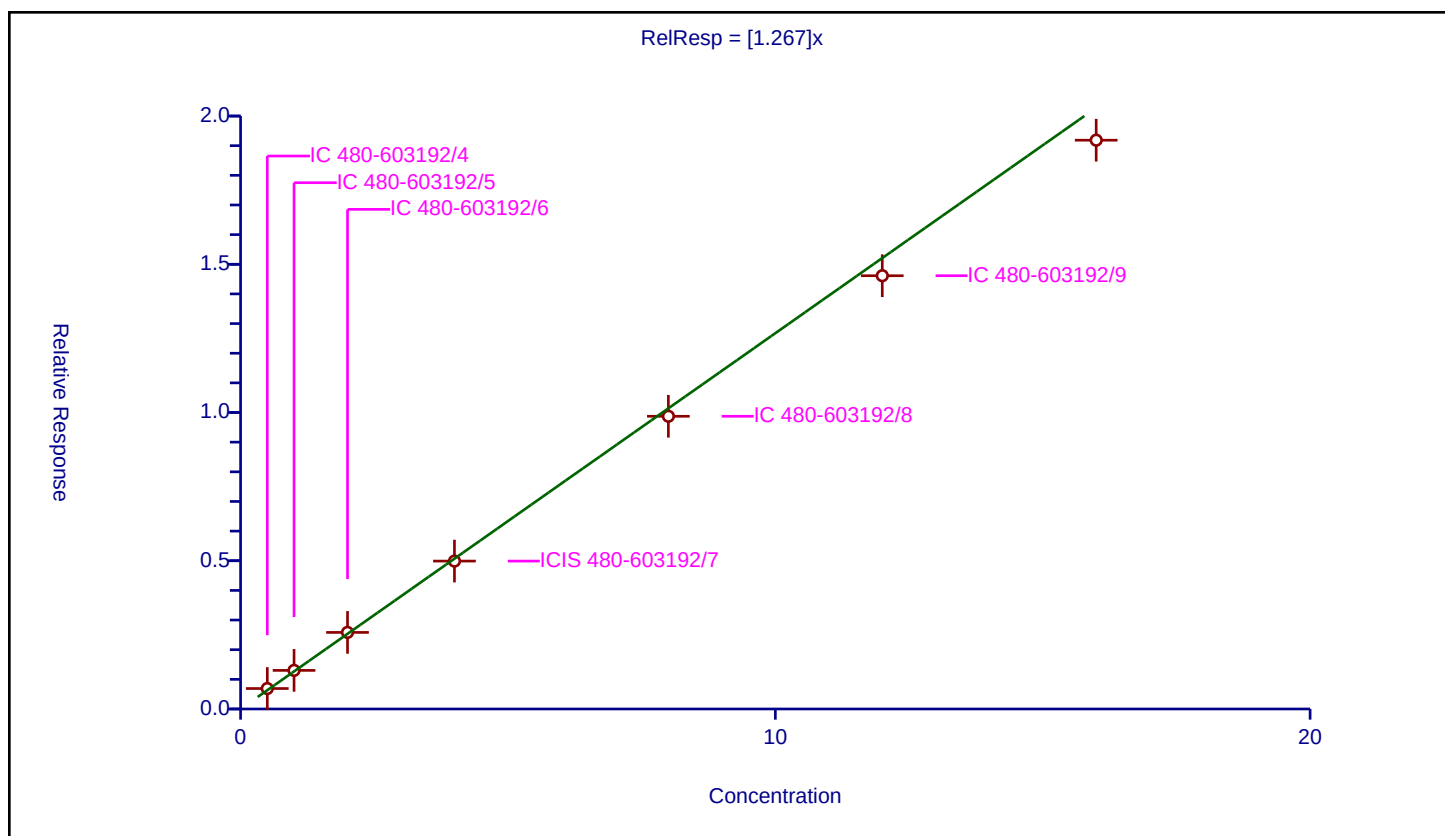
Curve Coefficients

Intercept: 0
 Slope: 1.267

Error Coefficients

Standard Error: 1820000
 Relative Standard Error: 4.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.690574	4.0	654928.0	1.381147	Y
2	IC 480-603192/5	1.0	1.301486	4.0	661610.0	1.301486	Y
3	IC 480-603192/6	2.0	2.58314	4.0	637946.0	1.29157	Y
4	ICIS 480-603192/7	4.0	4.988671	4.0	670031.0	1.247168	Y
5	IC 480-603192/8	8.0	9.873255	4.0	663049.0	1.234157	Y
6	IC 480-603192/9	12.0	14.613663	4.0	638549.0	1.217805	Y
7	IC 480-603192/10	16.0	19.185053	4.0	686312.0	1.199066	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

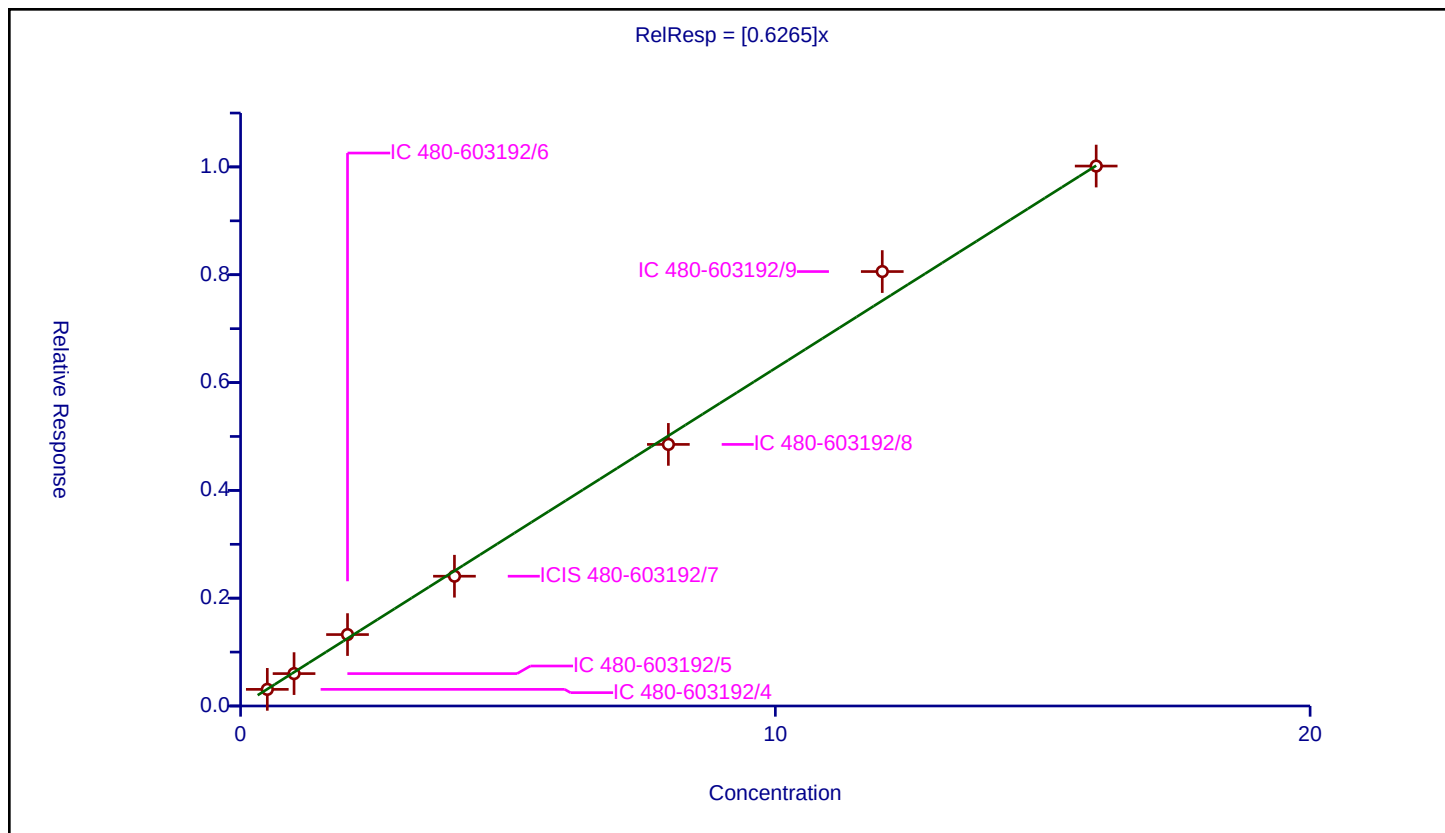
Curve Coefficients

Intercept: 0
 Slope: 0.6265

Error Coefficients

Standard Error: 955000
 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 480-603192/4	0.5	0.308248	4.0	654928.0	0.616495	Y
2	IC 480-603192/5	1.0	0.600638	4.0	661610.0	0.600638	Y
3	IC 480-603192/6	2.0	1.324996	4.0	637946.0	0.662498	Y
4	ICIS 480-603192/7	4.0	2.407841	4.0	670031.0	0.60196	Y
5	IC 480-603192/8	8.0	4.852703	4.0	663049.0	0.606588	Y
6	IC 480-603192/9	12.0	8.059241	4.0	638549.0	0.671603	Y
7	IC 480-603192/10	16.0	10.016506	4.0	686312.0	0.626032	Y



Calibration

/ 4-Nitroaniline

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

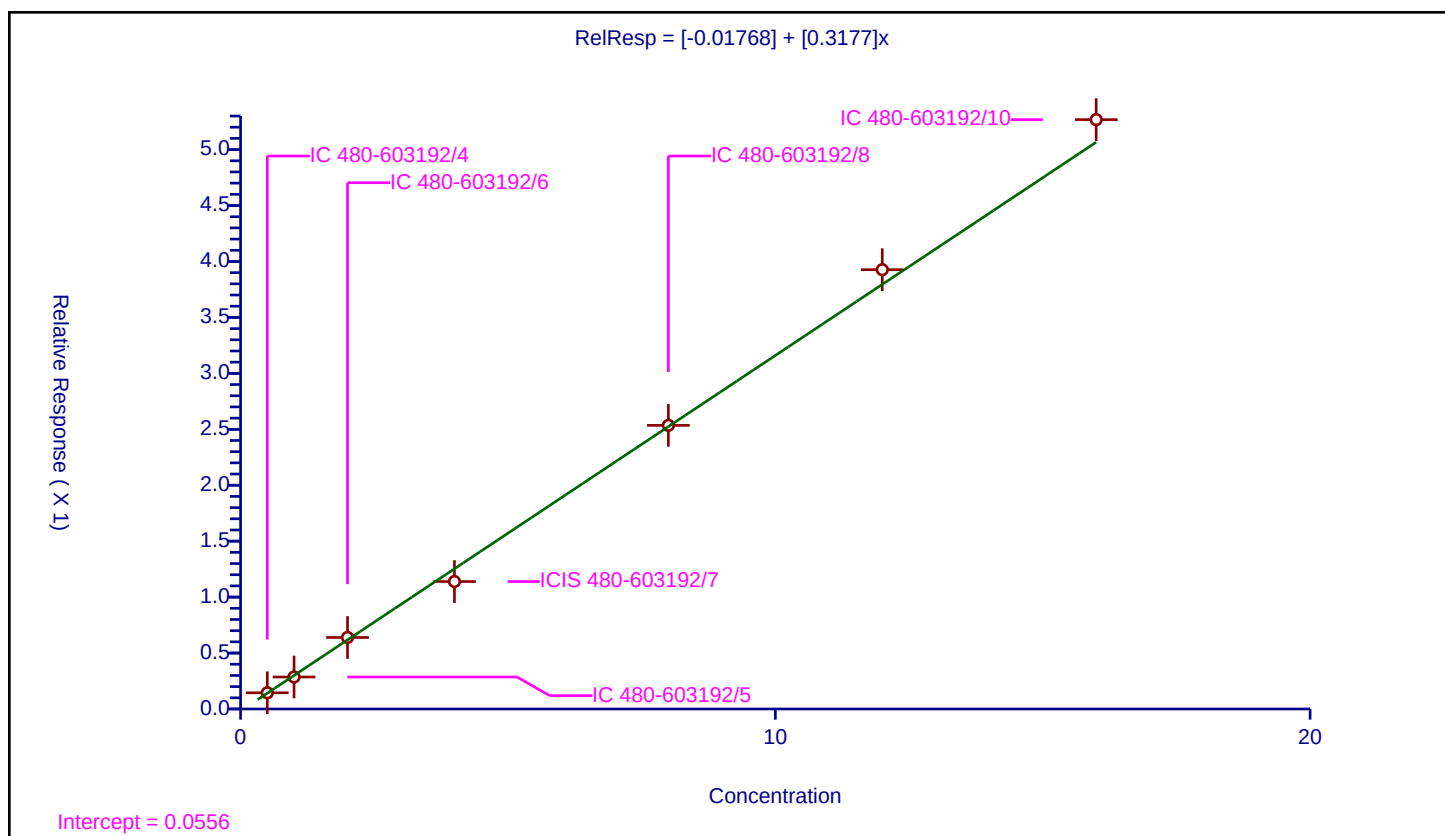
Curve Coefficients

Intercept: -0.01768
 Slope: 0.3177

Error Coefficients

Standard Error: 536000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.144712	4.0	654928.0	0.289424	Y
2	IC 480-603192/5	1.0	0.285854	4.0	661610.0	0.285854	Y
3	IC 480-603192/6	2.0	0.639214	4.0	637946.0	0.319607	Y
4	ICIS 480-603192/7	4.0	1.139416	4.0	670031.0	0.284854	Y
5	IC 480-603192/8	8.0	2.535071	4.0	663049.0	0.316884	Y
6	IC 480-603192/9	12.0	3.926678	4.0	638549.0	0.327223	Y
7	IC 480-603192/10	16.0	5.267721	4.0	686312.0	0.329233	Y



Calibration

/ Fluorene

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

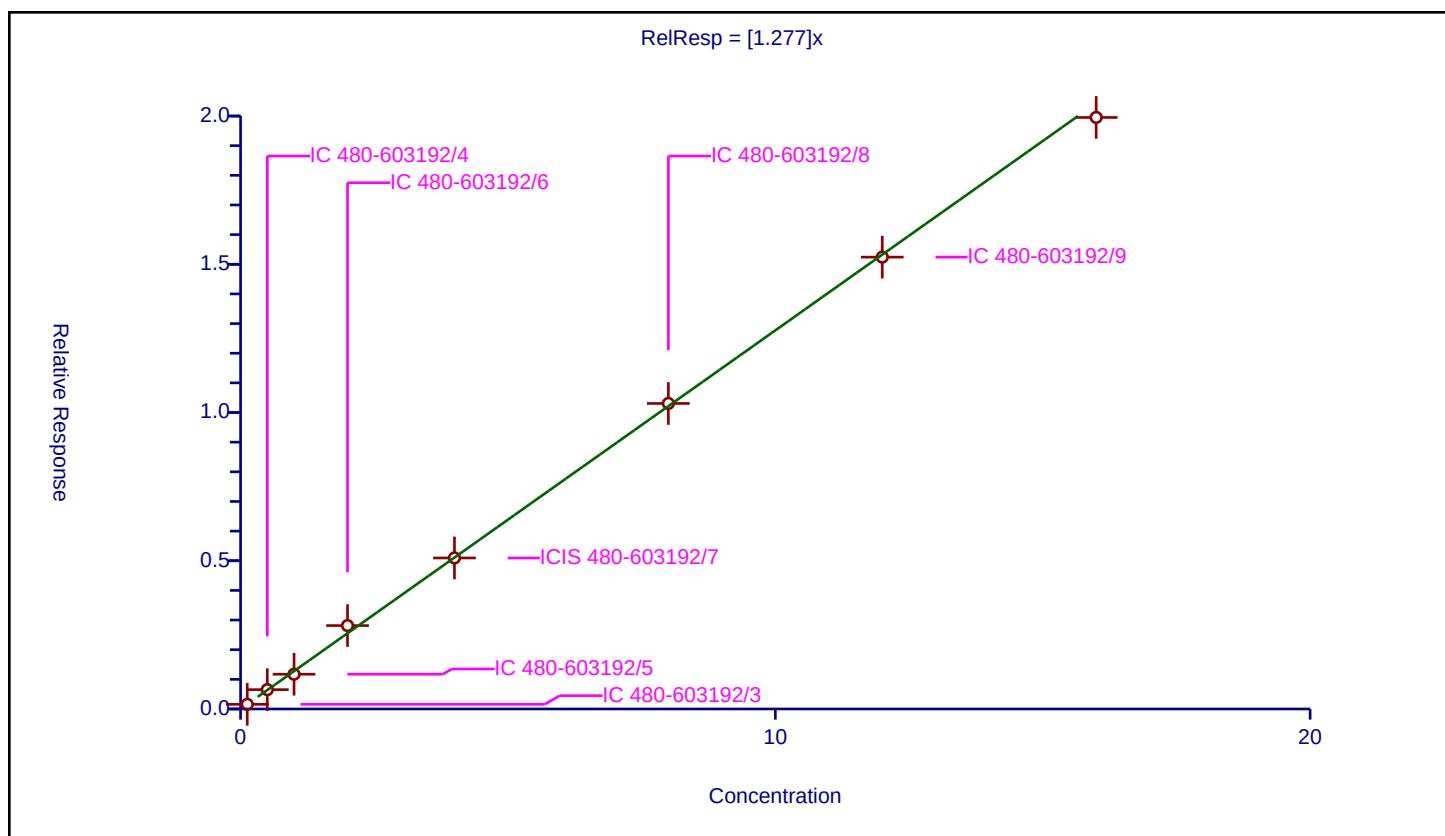
Curve Coefficients

Intercept: 0
Slope: 1.277

Error Coefficients

Standard Error: 1750000
Relative Standard Error: 5.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.156619	4.0	644468.0	1.252953	Y
2	IC 480-603192/4	0.5	0.652456	4.0	654928.0	1.304913	Y
3	IC 480-603192/5	1.0	1.172425	4.0	661610.0	1.172425	Y
4	IC 480-603192/6	2.0	2.814088	4.0	637946.0	1.407044	Y
5	ICIS 480-603192/7	4.0	5.094785	4.0	670031.0	1.273696	Y
6	IC 480-603192/8	8.0	10.305953	4.0	663049.0	1.288244	Y
7	IC 480-603192/9	12.0	15.241349	4.0	638549.0	1.270112	Y
8	IC 480-603192/10	16.0	19.95243	4.0	686312.0	1.247027	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

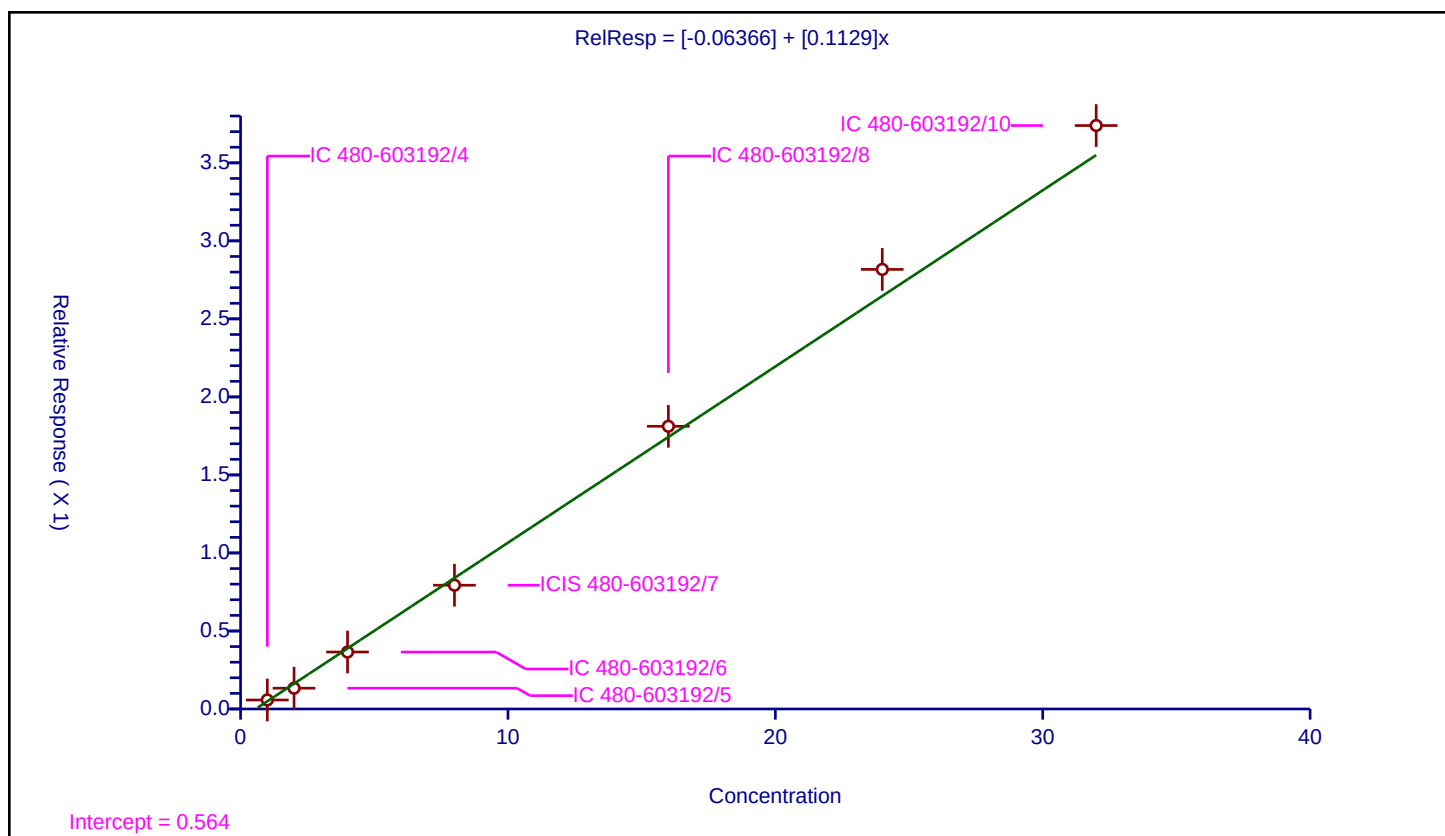
Curve Coefficients

Intercept: -0.06366
 Slope: 0.1129

Error Coefficients

Standard Error: 665000
 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 480-603192/4	1.0	0.057887	4.0	1079406.0	0.057887	Y
2	IC 480-603192/5	2.0	0.133292	4.0	1083729.0	0.066646	Y
3	IC 480-603192/6	4.0	0.365146	4.0	1104073.0	0.091287	Y
4	ICIS 480-603192/7	8.0	0.793318	4.0	1125511.0	0.099165	Y
5	IC 480-603192/8	16.0	1.811865	4.0	1122929.0	0.113242	Y
6	IC 480-603192/9	24.0	2.816981	4.0	1166348.0	0.117374	Y
7	IC 480-603192/10	32.0	3.739095	4.0	1180139.0	0.116847	Y



Calibration

/ Diphenylamine

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

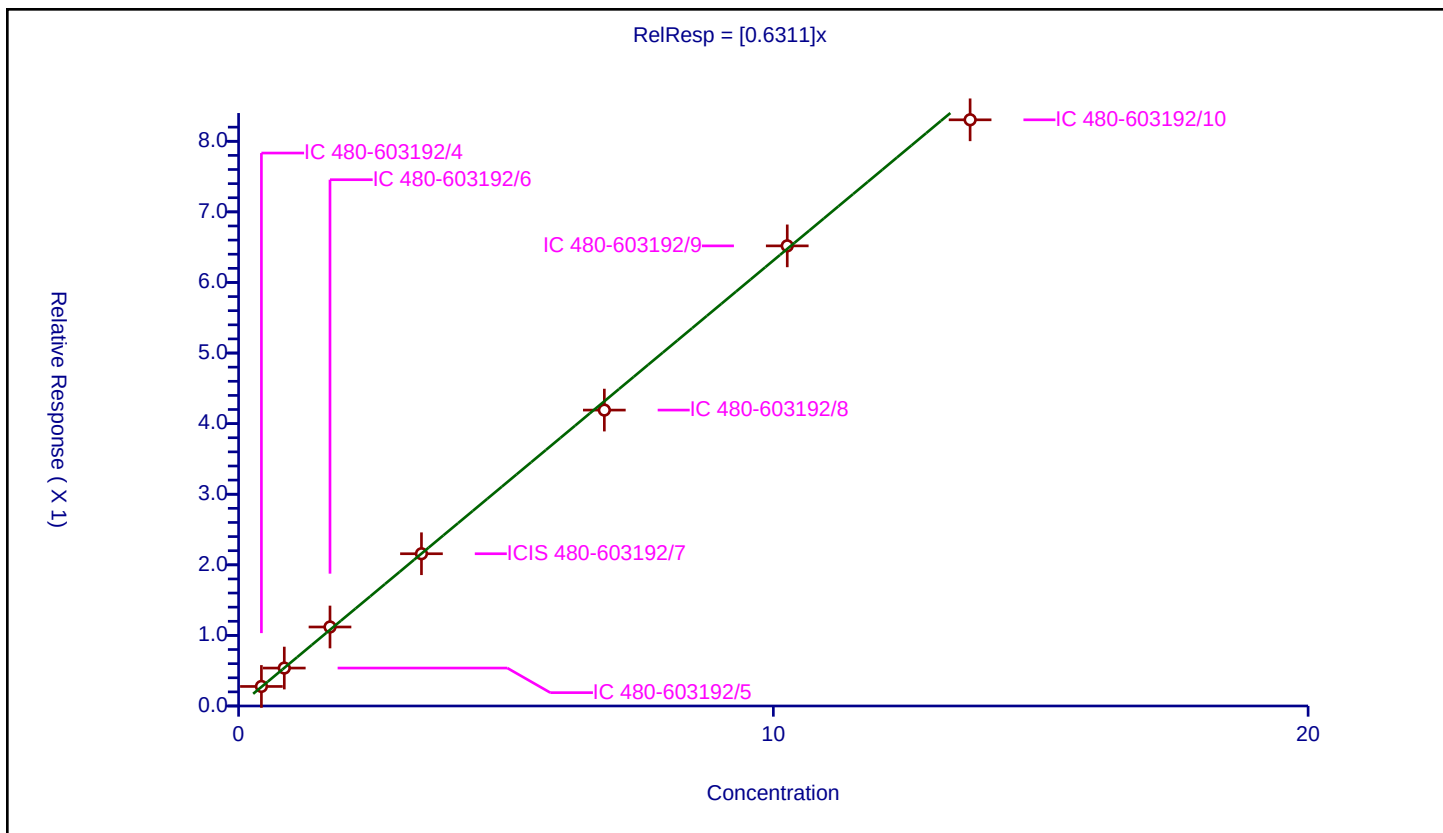
Curve Coefficients

Intercept: 0
 Slope: 0.6311

Error Coefficients

Standard Error: 1380000
 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 480-603192/4	0.4275	0.277227	4.0	1079406.0	0.648483	Y
2	IC 480-603192/5	0.855	0.537485	4.0	1083729.0	0.628637	Y
3	IC 480-603192/6	1.71	1.119531	4.0	1104073.0	0.654697	Y
4	ICIS 480-603192/7	3.42	2.15694	4.0	1125511.0	0.630684	Y
5	IC 480-603192/8	6.84	4.191649	4.0	1122929.0	0.612814	Y
6	IC 480-603192/9	10.26	6.518326	4.0	1166348.0	0.635314	Y
7	IC 480-603192/10	13.68	8.304215	4.0	1180139.0	0.607033	Y



Calibration

/ N-Nitrosodiphenylamine

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

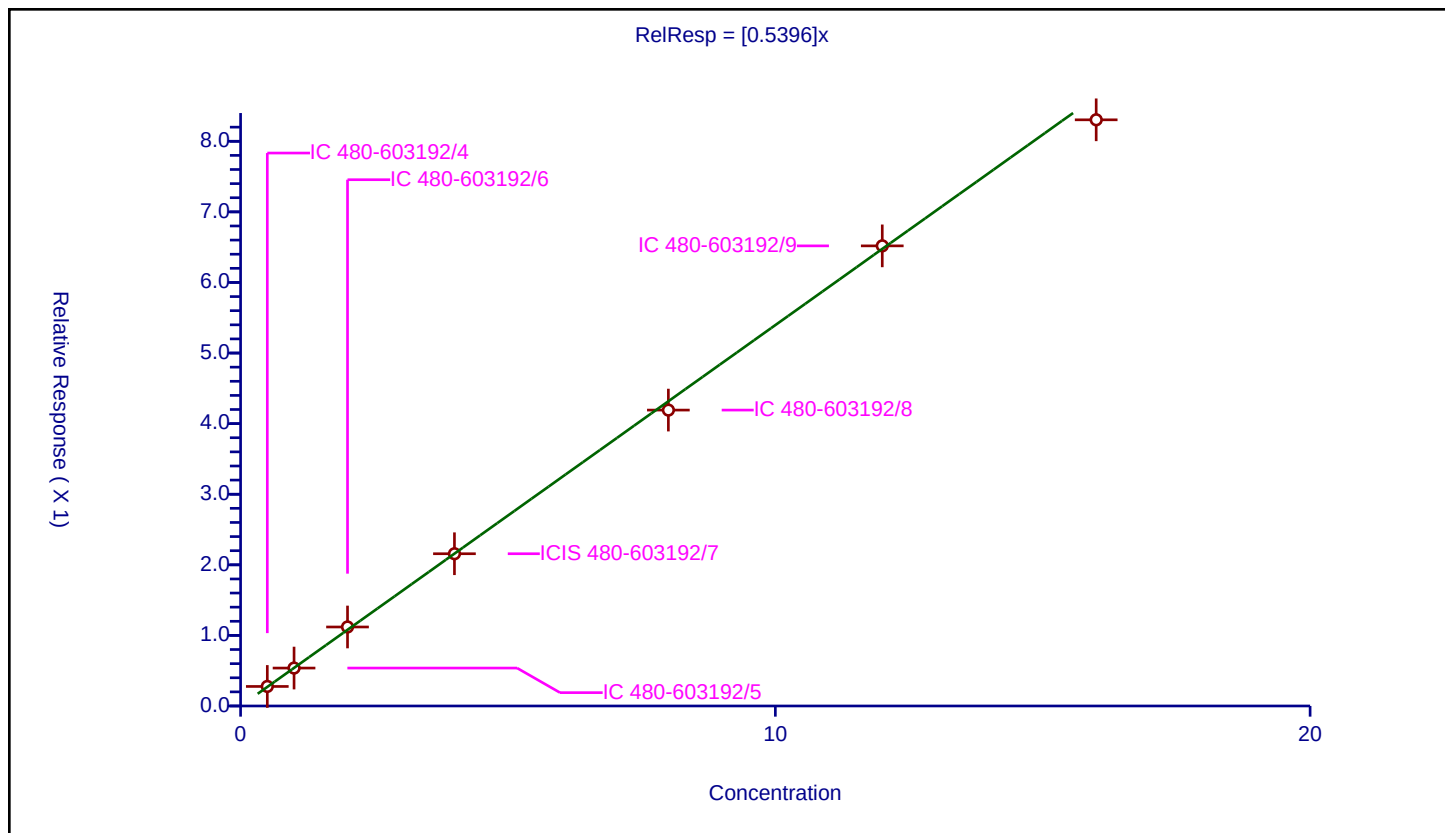
Curve Coefficients

Intercept: 0
 Slope: 0.5396

Error Coefficients

Standard Error: 1380000
 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 480-603192/4	0.5	0.277227	4.0	1079406.0	0.554453	Y
2	IC 480-603192/5	1.0	0.537485	4.0	1083729.0	0.537485	Y
3	IC 480-603192/6	2.0	1.119531	4.0	1104073.0	0.559766	Y
4	ICIS 480-603192/7	4.0	2.15694	4.0	1125511.0	0.539235	Y
5	IC 480-603192/8	8.0	4.191649	4.0	1122929.0	0.523956	Y
6	IC 480-603192/9	12.0	6.518326	4.0	1166348.0	0.543194	Y
7	IC 480-603192/10	16.0	8.304215	4.0	1180139.0	0.519013	Y



Calibration

/ 1,2-Diphenylhydrazine

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

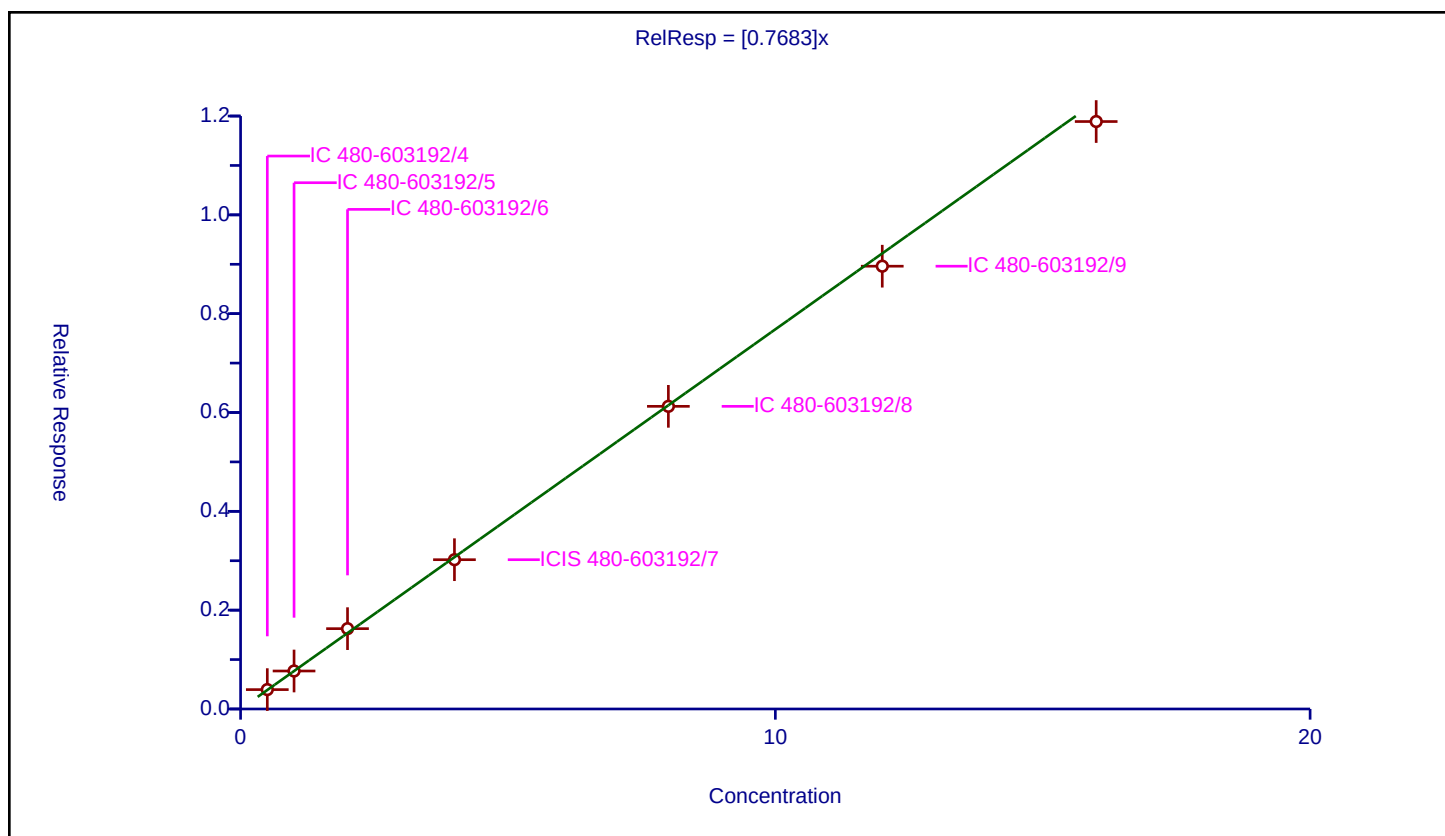
Curve Coefficients

Intercept: 0
Slope: 0.7683

Error Coefficients

Standard Error: 1960000
Relative Standard Error: 3.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.392864	4.0	1079406.0	0.785728	Y
2	IC 480-603192/5	1.0	0.768997	4.0	1083729.0	0.768997	Y
3	IC 480-603192/6	2.0	1.62549	4.0	1104073.0	0.812745	Y
4	ICIS 480-603192/7	4.0	3.021479	4.0	1125511.0	0.75537	Y
5	IC 480-603192/8	8.0	6.124594	4.0	1122929.0	0.765574	Y
6	IC 480-603192/9	12.0	8.960976	4.0	1166348.0	0.746748	Y
7	IC 480-603192/10	16.0	11.889033	4.0	1180139.0	0.743065	Y



Calibration

/ Azobenzene

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

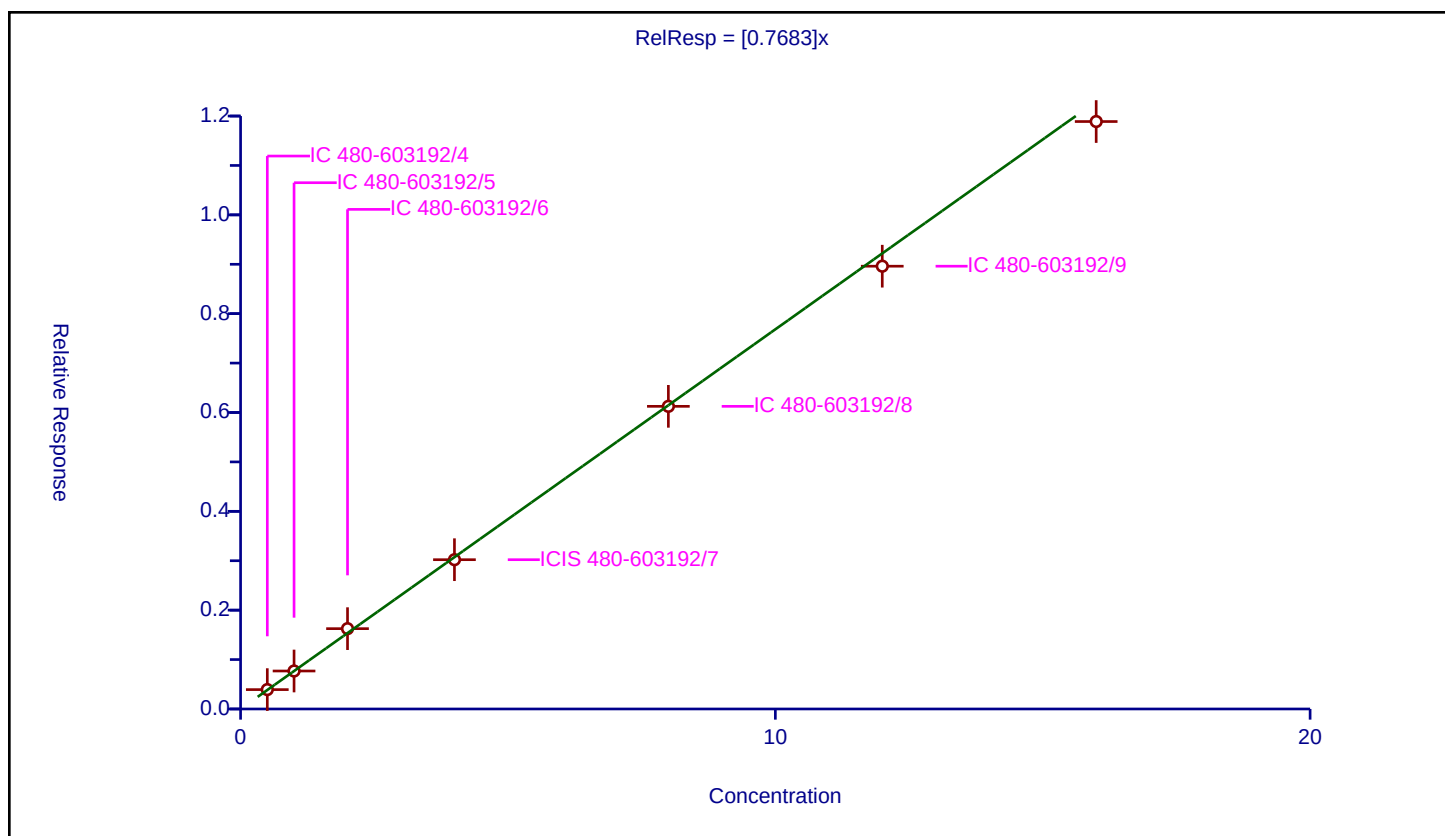
Curve Coefficients

Intercept: 0
Slope: 0.7683

Error Coefficients

Standard Error: 1960000
Relative Standard Error: 3.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.392864	4.0	1079406.0	0.785728	Y
2	IC 480-603192/5	1.0	0.768997	4.0	1083729.0	0.768997	Y
3	IC 480-603192/6	2.0	1.62549	4.0	1104073.0	0.812745	Y
4	ICIS 480-603192/7	4.0	3.021479	4.0	1125511.0	0.75537	Y
5	IC 480-603192/8	8.0	6.124594	4.0	1122929.0	0.765574	Y
6	IC 480-603192/9	12.0	8.960976	4.0	1166348.0	0.746748	Y
7	IC 480-603192/10	16.0	11.88904	4.0	1180139.0	0.743065	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

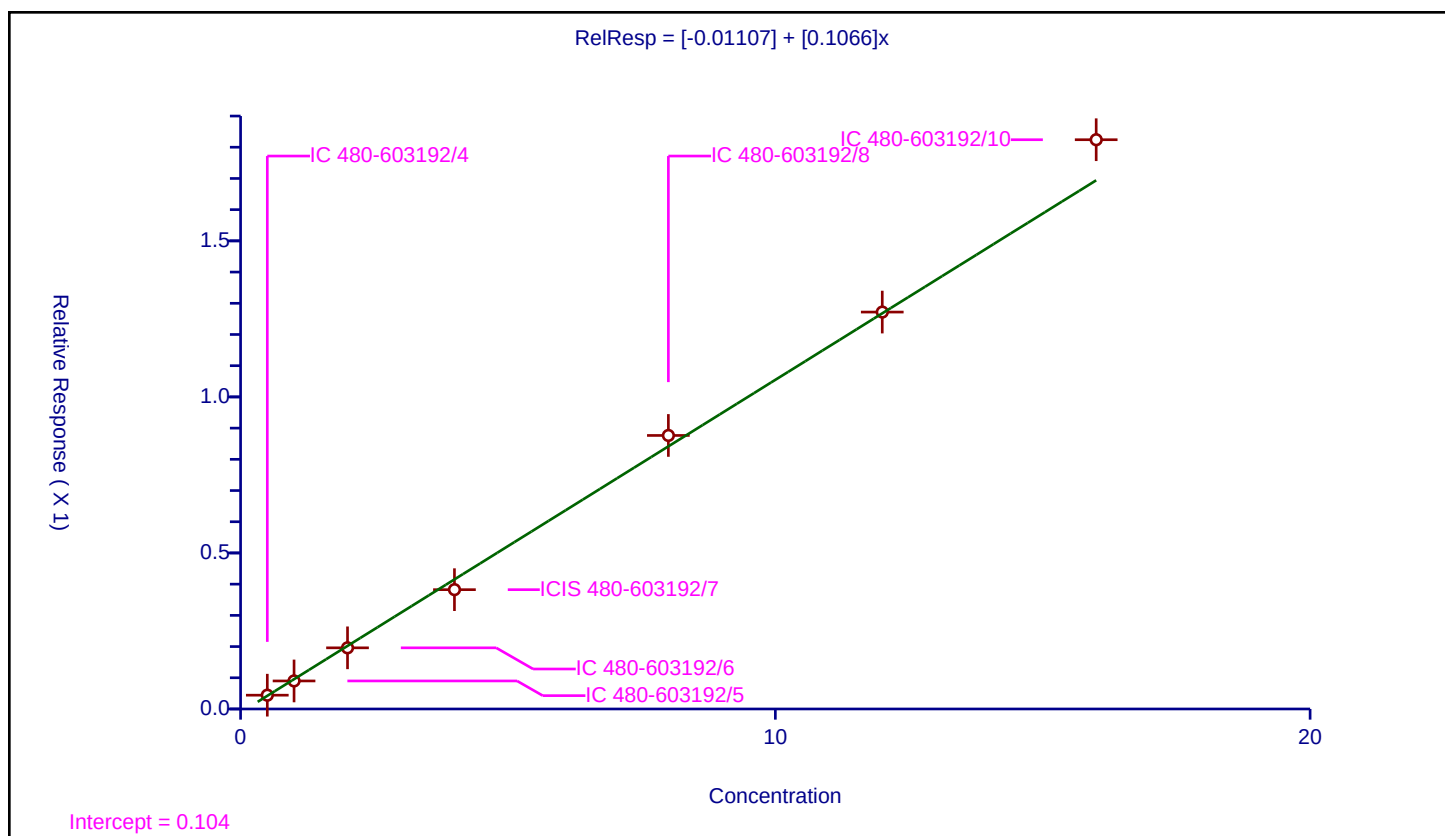
Curve Coefficients

Intercept: -0.01107
 Slope: 0.1066

Error Coefficients

Standard Error: 317000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.044239	4.0	1079406.0	0.088478	Y
2	IC 480-603192/5	1.0	0.089897	4.0	1083729.0	0.089897	Y
3	IC 480-603192/6	2.0	0.195936	4.0	1104073.0	0.097968	Y
4	ICIS 480-603192/7	4.0	0.382433	4.0	1125511.0	0.095608	Y
5	IC 480-603192/8	8.0	0.876426	4.0	1122929.0	0.109553	Y
6	IC 480-603192/9	12.0	1.271782	4.0	1166348.0	0.105982	Y
7	IC 480-603192/10	16.0	1.824019	4.0	1180139.0	0.114001	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

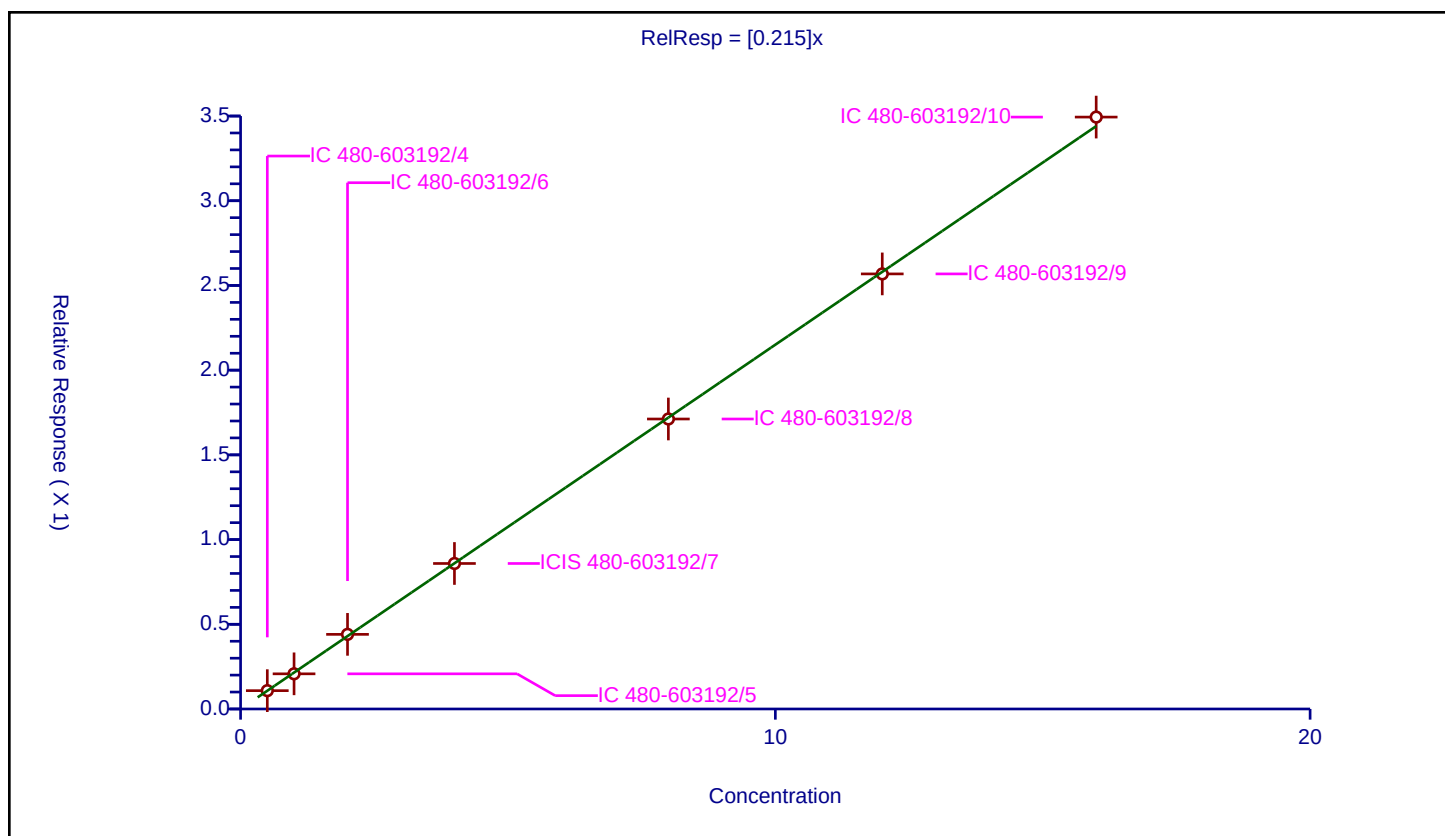
Curve Coefficients

Intercept: 0
 Slope: 0.215

Error Coefficients

Standard Error: 567000
 Relative Standard Error: 1.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.108134	4.0	1079406.0	0.216267	Y
2	IC 480-603192/5	1.0	0.207613	4.0	1083729.0	0.207613	Y
3	IC 480-603192/6	2.0	0.440442	4.0	1104073.0	0.220221	Y
4	ICIS 480-603192/7	4.0	0.858803	4.0	1125511.0	0.214701	Y
5	IC 480-603192/8	8.0	1.711773	4.0	1122929.0	0.213972	Y
6	IC 480-603192/9	12.0	2.568009	4.0	1166348.0	0.214001	Y
7	IC 480-603192/10	16.0	3.493677	4.0	1180139.0	0.218355	Y



Calibration

/ Atrazine

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

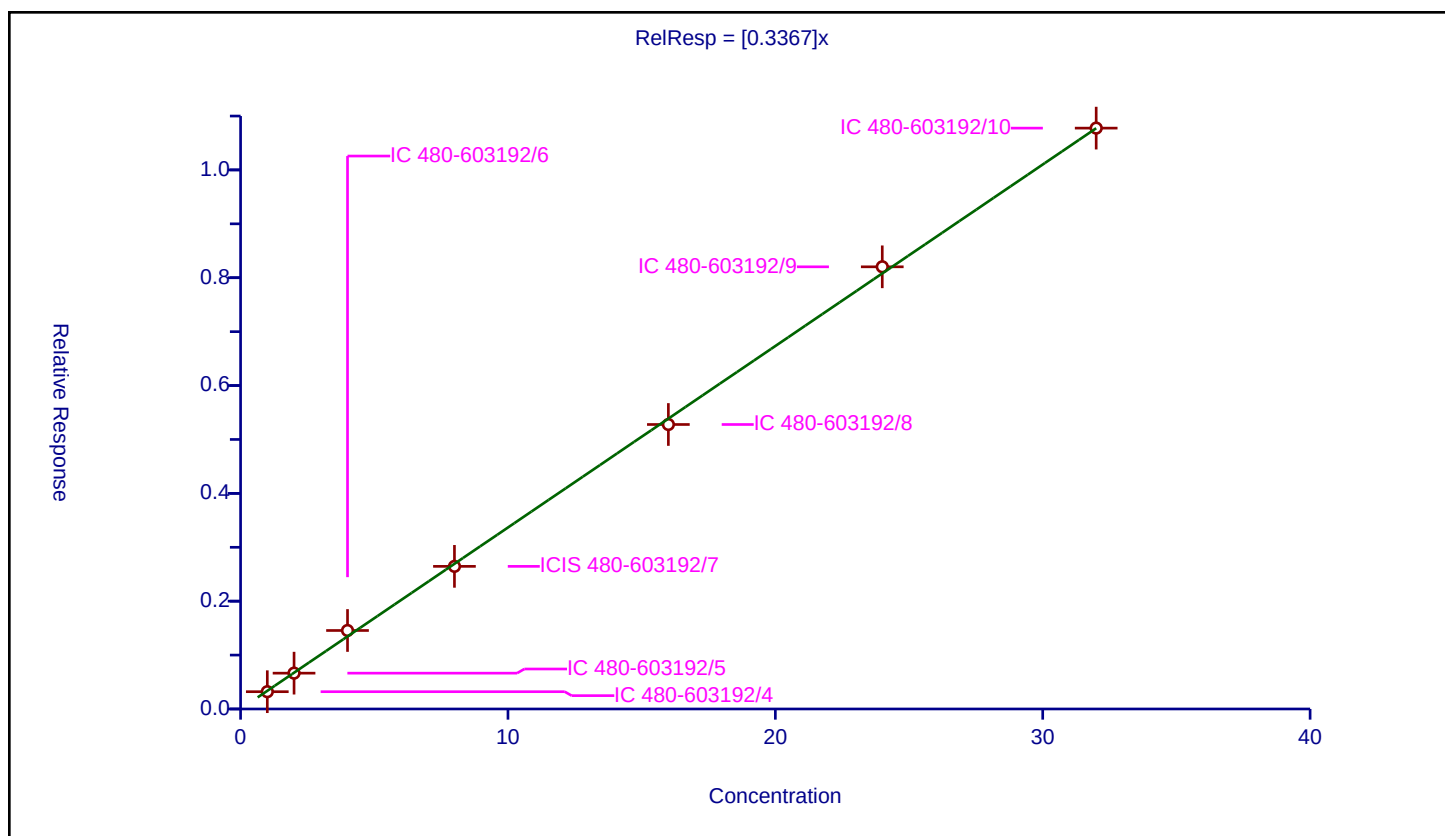
Curve Coefficients

Intercept: 0
 Slope: 0.3367

Error Coefficients

Standard Error: 1010000
 Relative Standard Error: 4.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	1.0	0.320982	4.0	654928.0	0.320982	Y
2	IC 480-603192/5	2.0	0.665256	4.0	661610.0	0.332628	Y
3	IC 480-603192/6	4.0	1.456104	4.0	637946.0	0.364026	Y
4	ICIS 480-603192/7	8.0	2.645651	4.0	670031.0	0.330706	Y
5	IC 480-603192/8	16.0	5.277402	4.0	663049.0	0.329838	Y
6	IC 480-603192/9	24.0	8.202879	4.0	638549.0	0.341787	Y
7	IC 480-603192/10	32.0	10.776131	4.0	686312.0	0.336754	Y



Calibration

/ Hexachlorobenzene

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

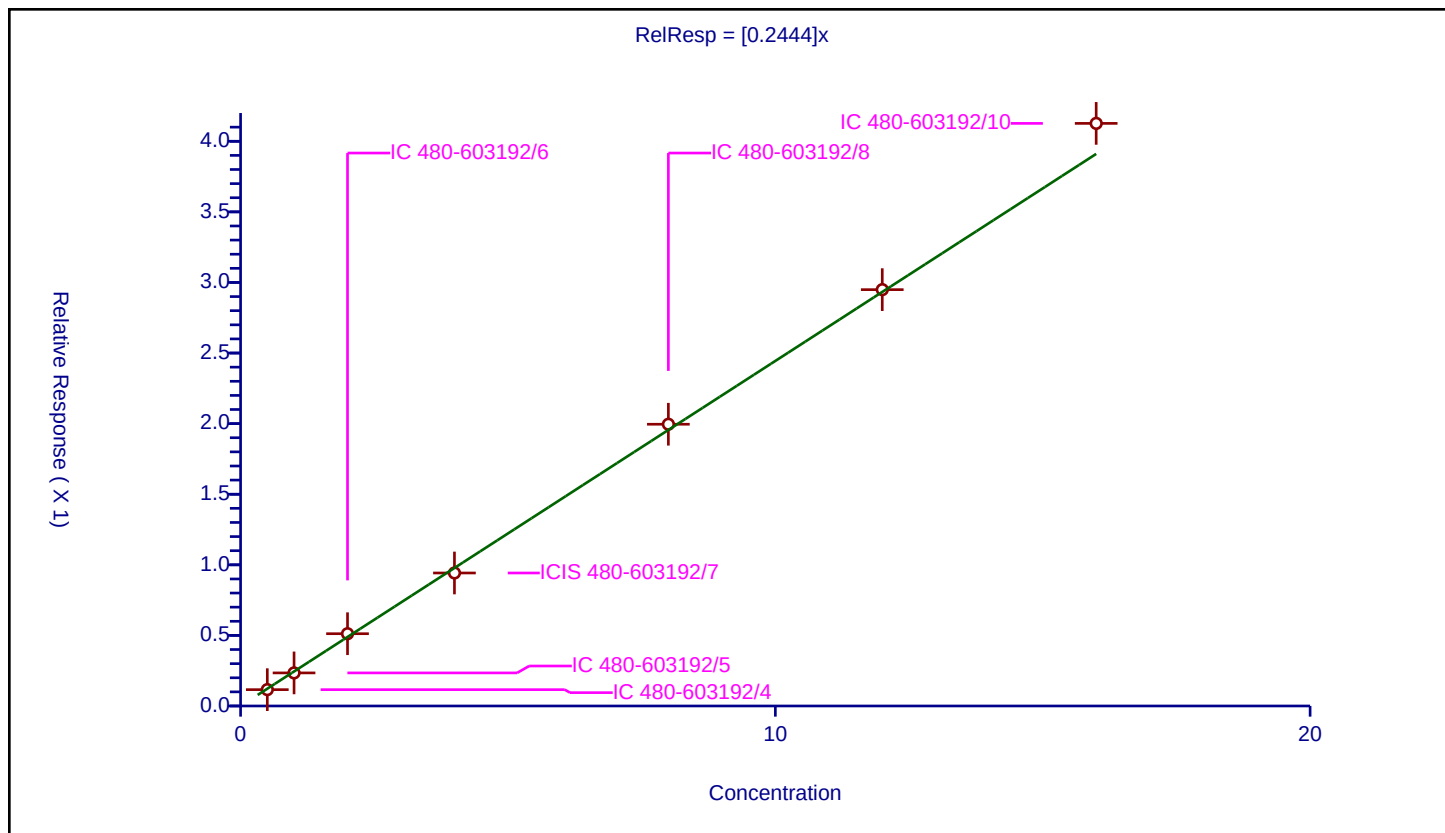
Curve Coefficients

Intercept: 0
 Slope: 0.2444

Error Coefficients

Standard Error: 662000
 Relative Standard Error: 4.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.115949	4.0	1079406.0	0.231898	Y
2	IC 480-603192/5	1.0	0.234262	4.0	1083729.0	0.234262	Y
3	IC 480-603192/6	2.0	0.511915	4.0	1104073.0	0.255958	Y
4	ICIS 480-603192/7	4.0	0.942224	4.0	1125511.0	0.235556	Y
5	IC 480-603192/8	8.0	1.995581	4.0	1122929.0	0.249448	Y
6	IC 480-603192/9	12.0	2.949014	4.0	1166348.0	0.245751	Y
7	IC 480-603192/10	16.0	4.126588	4.0	1180139.0	0.257912	Y



Calibration

/ n-Octadecane

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

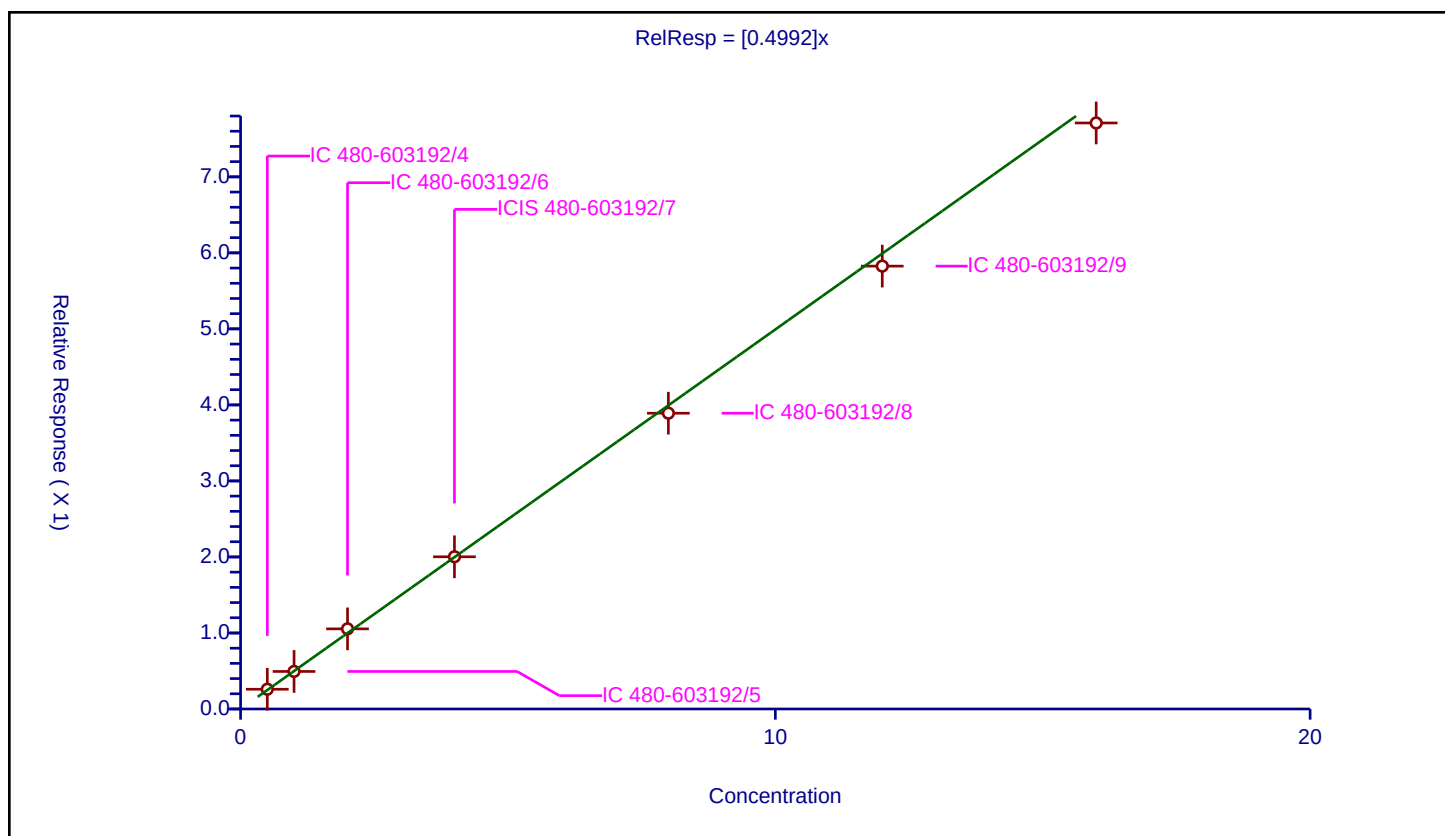
Curve Coefficients

Intercept: 0
 Slope: 0.4992

Error Coefficients

Standard Error: 1270000
 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 480-603192/4	0.5	0.259609	4.0	1079406.0	0.519219	Y
2	IC 480-603192/5	1.0	0.494076	4.0	1083729.0	0.494076	Y
3	IC 480-603192/6	2.0	1.054401	4.0	1104073.0	0.527201	Y
4	ICIS 480-603192/7	4.0	2.002426	4.0	1125511.0	0.500606	Y
5	IC 480-603192/8	8.0	3.890821	4.0	1122929.0	0.486353	Y
6	IC 480-603192/9	12.0	5.825719	4.0	1166348.0	0.485477	Y
7	IC 480-603192/10	16.0	7.708502	4.0	1180139.0	0.481781	Y



Calibration

/ Pentachlorophenol

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

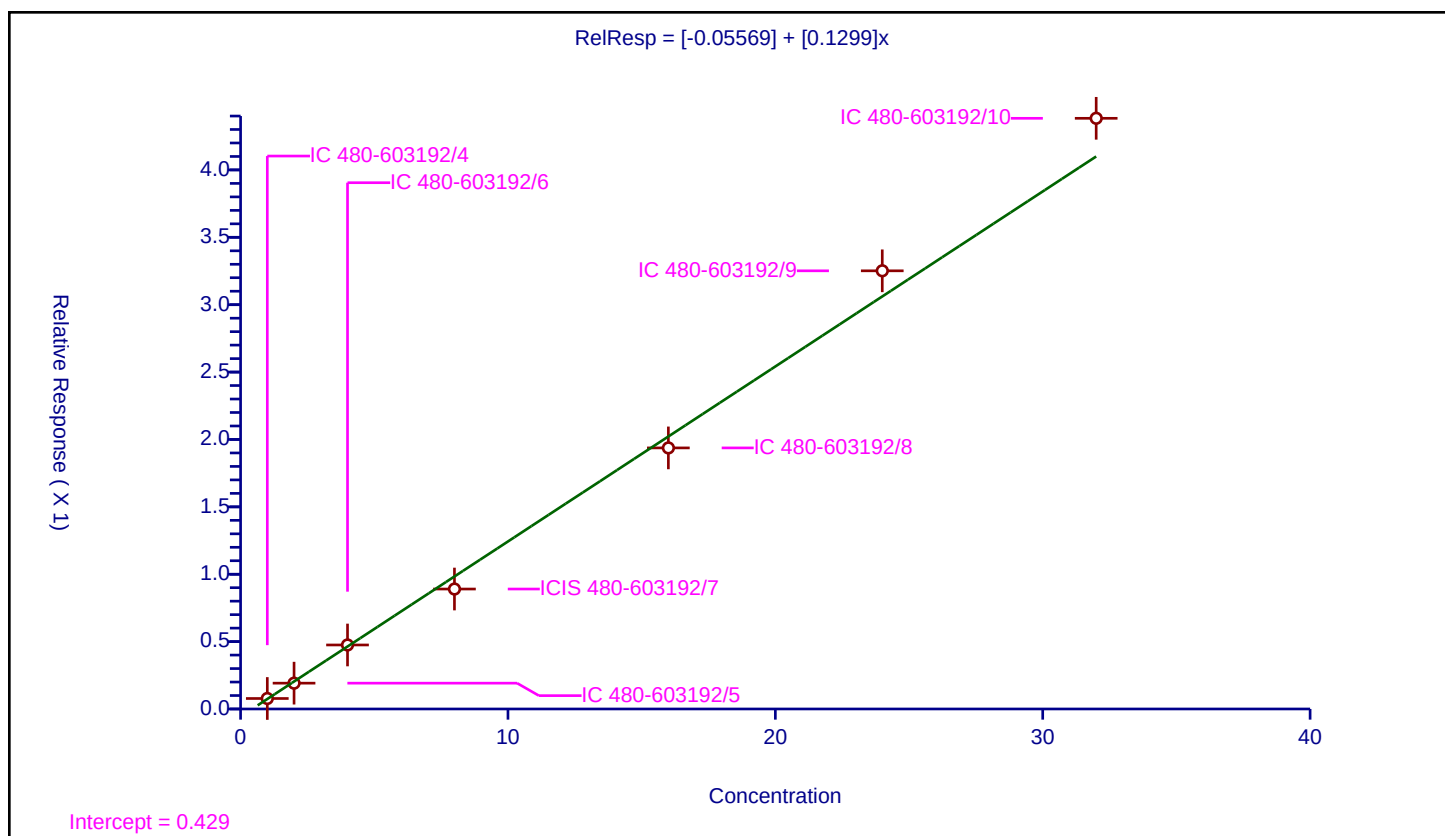
Curve Coefficients

Intercept: -0.05569
 Slope: 0.1299

Error Coefficients

Standard Error: 768000
 Relative Standard Error: 6.6
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	1.0	0.077769	4.0	1079406.0	0.077769	Y
2	IC 480-603192/5	2.0	0.191576	4.0	1083729.0	0.095788	Y
3	IC 480-603192/6	4.0	0.475034	4.0	1104073.0	0.118758	Y
4	ICIS 480-603192/7	8.0	0.890092	4.0	1125511.0	0.111261	Y
5	IC 480-603192/8	16.0	1.937255	4.0	1122929.0	0.121078	Y
6	IC 480-603192/9	24.0	3.251458	4.0	1166348.0	0.135477	Y
7	IC 480-603192/10	32.0	4.383243	4.0	1180139.0	0.136976	Y



Calibration

/ Phenanthrene

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

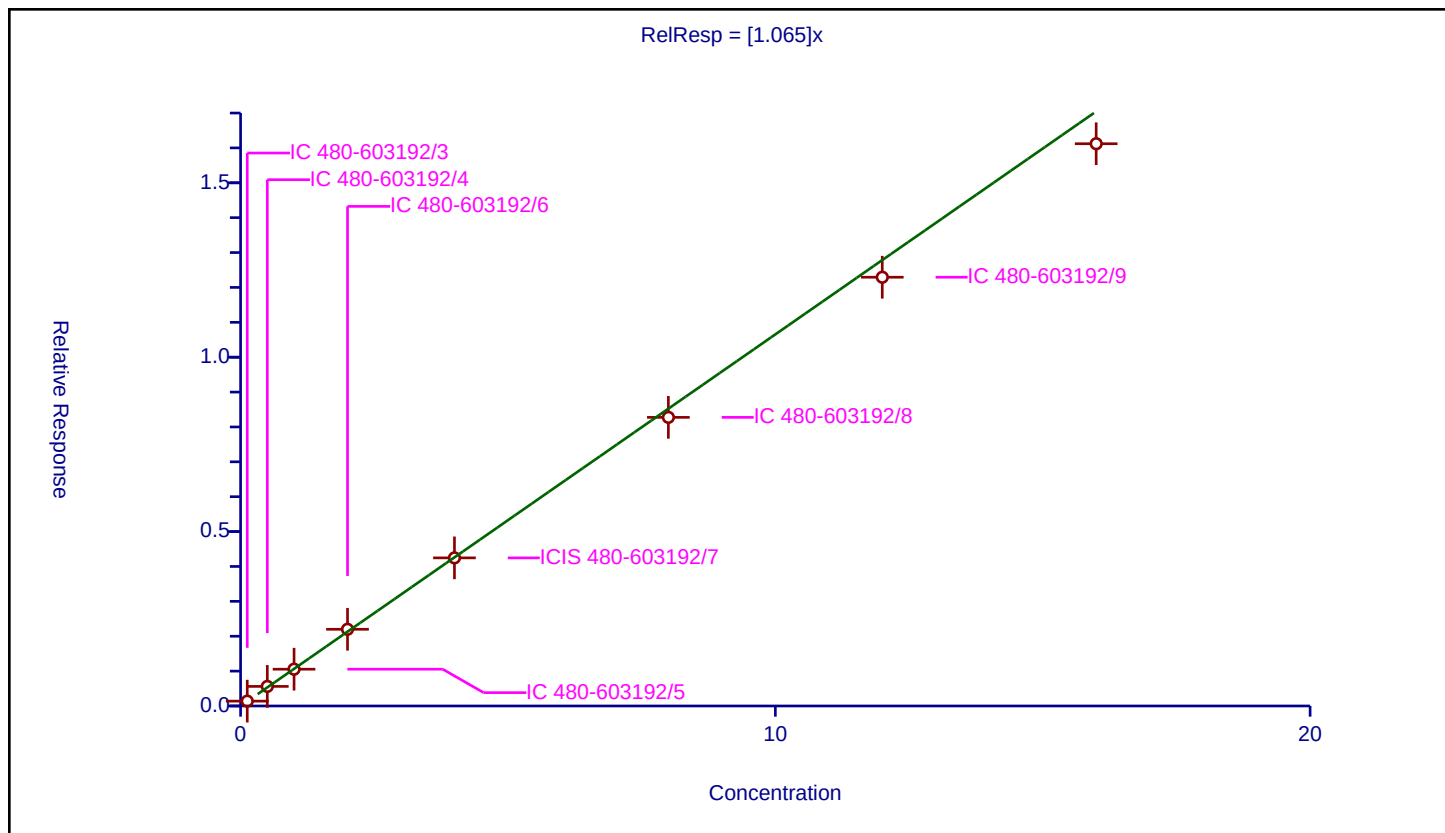
Curve Coefficients

Intercept: 0
 Slope: 1.065

Error Coefficients

Standard Error: 2470000
 Relative Standard Error: 4.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.139778	4.0	1060165.0	1.118226	Y
2	IC 480-603192/4	0.5	0.561483	4.0	1079406.0	1.122966	Y
3	IC 480-603192/5	1.0	1.054337	4.0	1083729.0	1.054337	Y
4	IC 480-603192/6	2.0	2.198934	4.0	1104073.0	1.099467	Y
5	ICIS 480-603192/7	4.0	4.246302	4.0	1125511.0	1.061576	Y
6	IC 480-603192/8	8.0	8.27481	4.0	1122929.0	1.034351	Y
7	IC 480-603192/9	12.0	12.292276	4.0	1166348.0	1.024356	Y
8	IC 480-603192/10	16.0	16.119844	4.0	1180139.0	1.00749	Y



Calibration

/ Anthracene

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

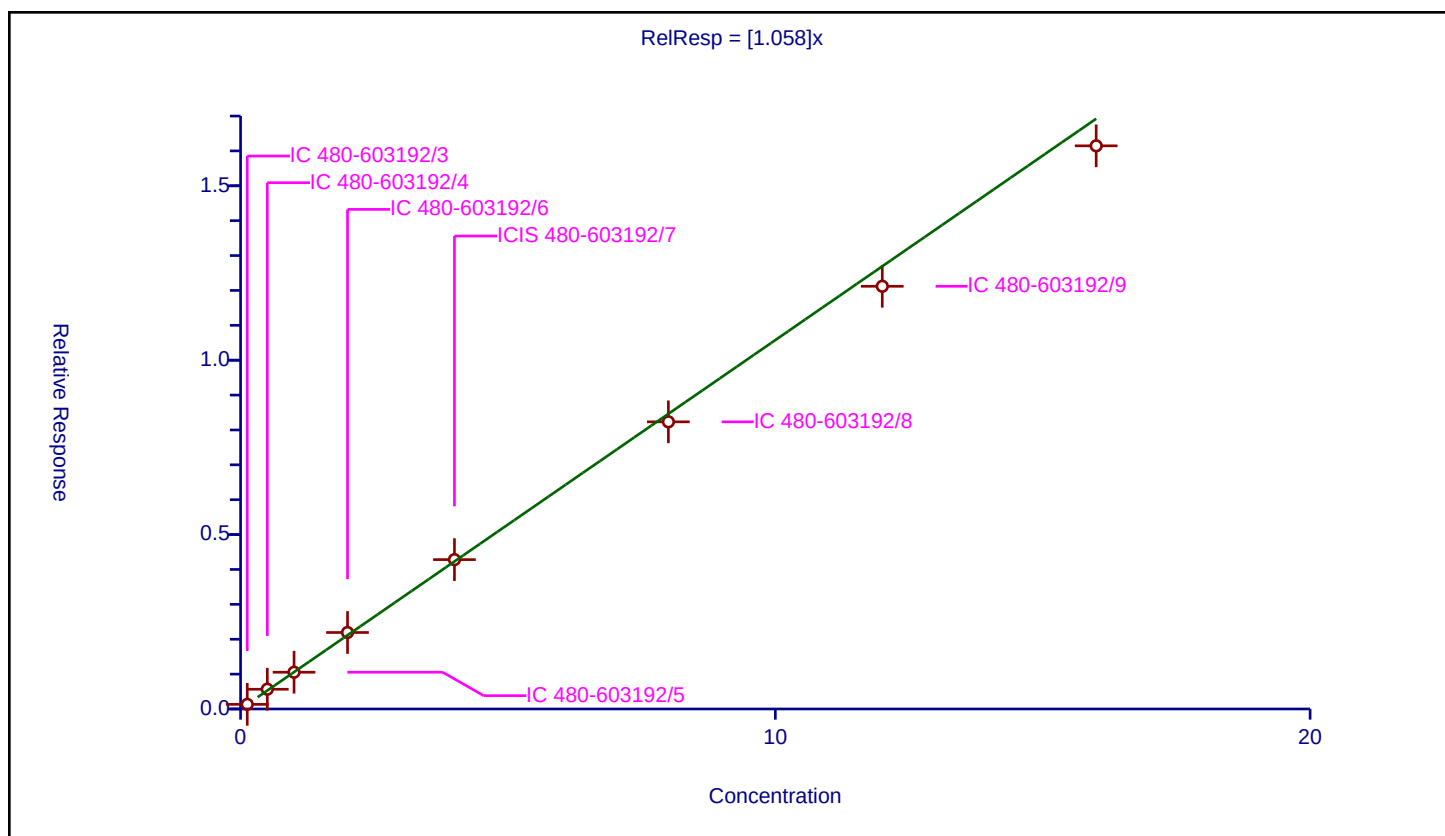
Curve Coefficients

Intercept: 0
 Slope: 1.058

Error Coefficients

Standard Error: 2460000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.13233	4.0	1060165.0	1.058643	Y
2	IC 480-603192/4	0.5	0.566545	4.0	1079406.0	1.13309	Y
3	IC 480-603192/5	1.0	1.054179	4.0	1083729.0	1.054179	Y
4	IC 480-603192/6	2.0	2.19313	4.0	1104073.0	1.096565	Y
5	ICIS 480-603192/7	4.0	4.282567	4.0	1125511.0	1.070642	Y
6	IC 480-603192/8	8.0	8.23283	4.0	1122929.0	1.029104	Y
7	IC 480-603192/9	12.0	12.119114	4.0	1166348.0	1.009926	Y
8	IC 480-603192/10	16.0	16.144963	4.0	1180139.0	1.00906	Y



Calibration

/ Carbazole

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

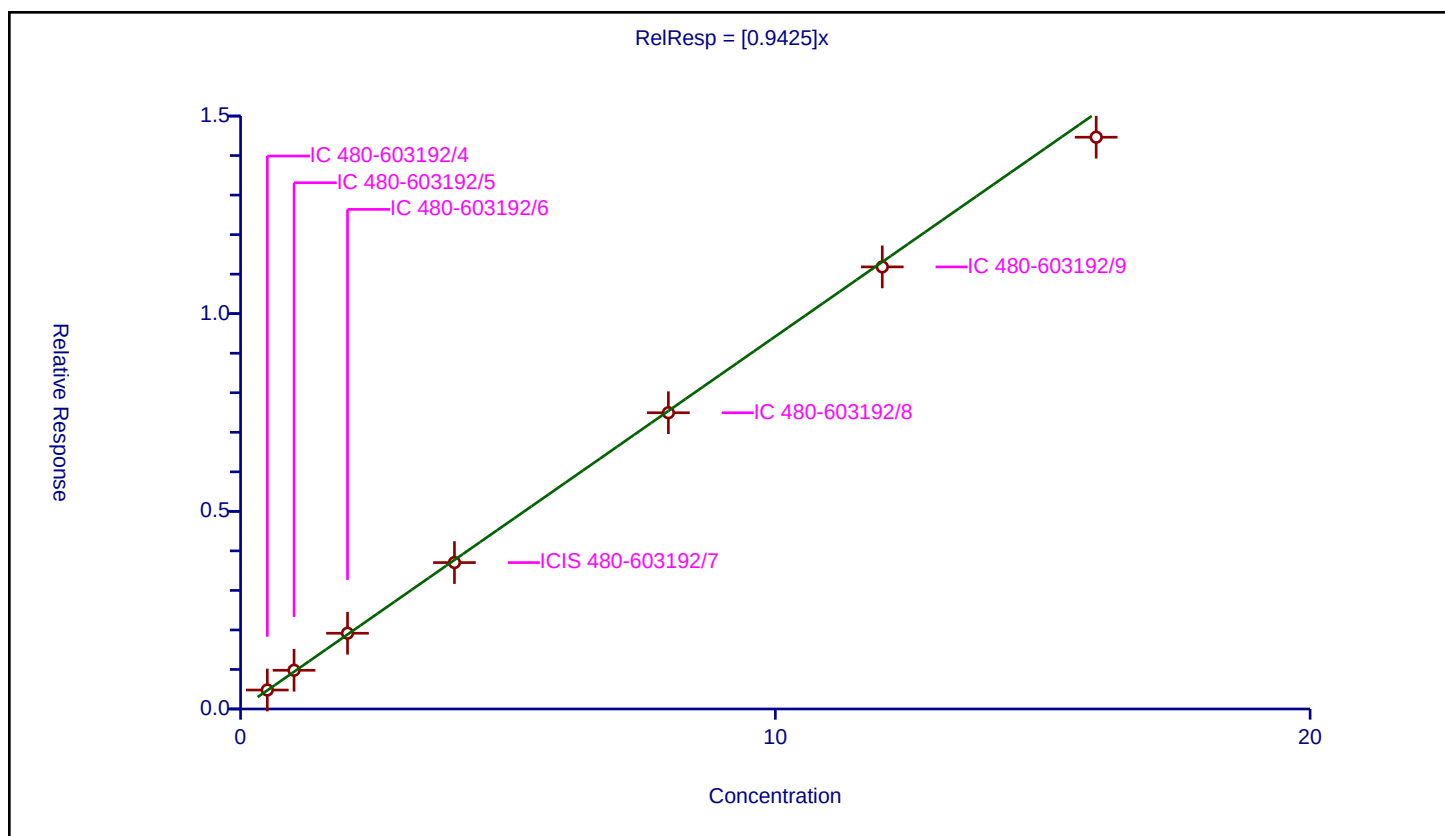
Curve Coefficients

Intercept: 0
 Slope: 0.9425

Error Coefficients

Standard Error: 2410000
 Relative Standard Error: 2.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.480186	4.0	1079406.0	0.960373	Y
2	IC 480-603192/5	1.0	0.979714	4.0	1083729.0	0.979714	Y
3	IC 480-603192/6	2.0	1.916627	4.0	1104073.0	0.958313	Y
4	ICIS 480-603192/7	4.0	3.704689	4.0	1125511.0	0.926172	Y
5	IC 480-603192/8	8.0	7.493781	4.0	1122929.0	0.936723	Y
6	IC 480-603192/9	12.0	11.183077	4.0	1166348.0	0.931923	Y
7	IC 480-603192/10	16.0	14.464316	4.0	1180139.0	0.90402	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

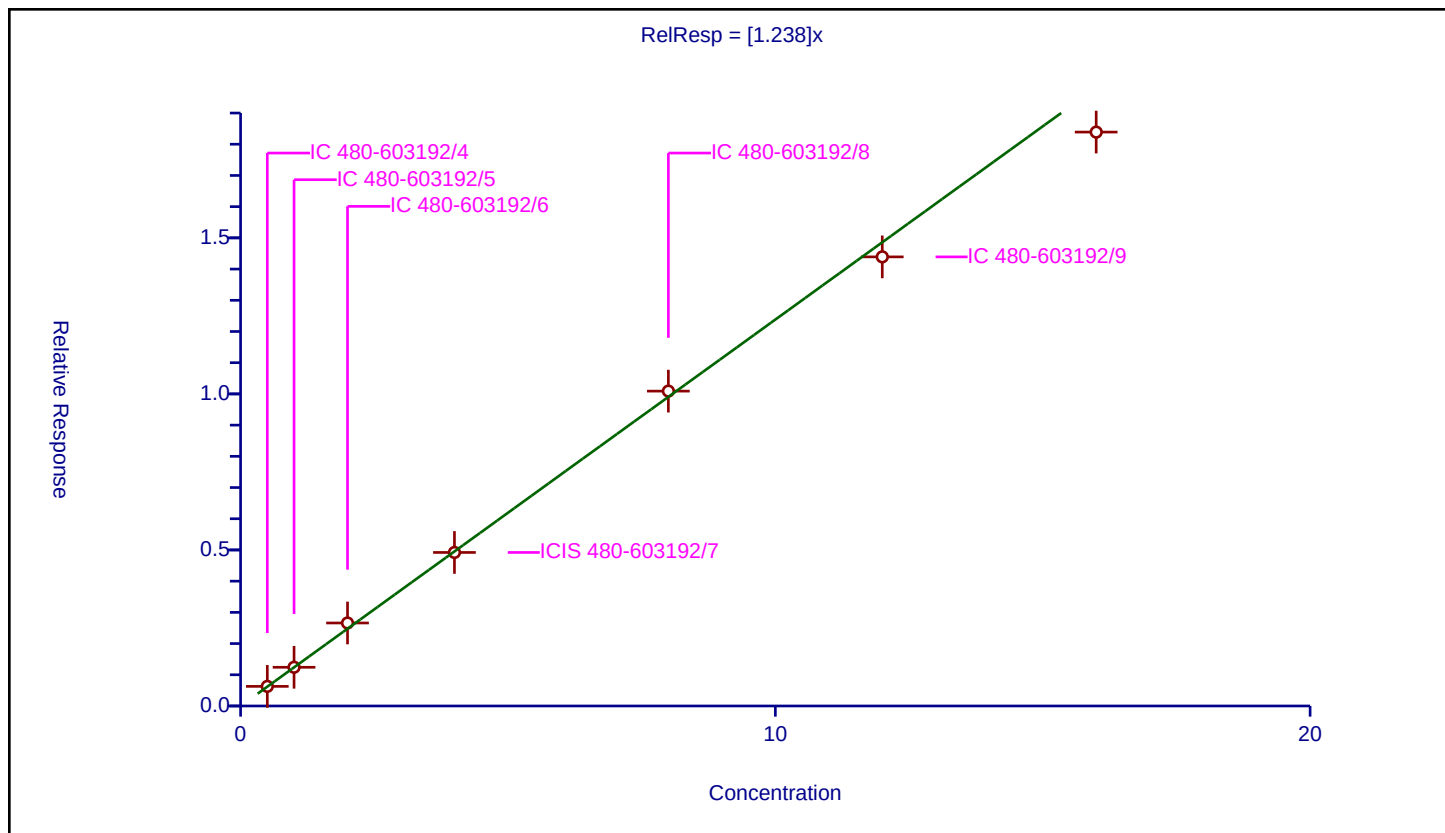
Curve Coefficients

Intercept: 0
 Slope: 1.238

Error Coefficients

Standard Error: 3100000
 Relative Standard Error: 4.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.628475	4.0	1079406.0	1.256951	Y
2	IC 480-603192/5	1.0	1.240901	4.0	1083729.0	1.240901	Y
3	IC 480-603192/6	2.0	2.65931	4.0	1104073.0	1.329655	Y
4	ICIS 480-603192/7	4.0	4.919572	4.0	1125511.0	1.229893	Y
5	IC 480-603192/8	8.0	10.08991	4.0	1122929.0	1.261239	Y
6	IC 480-603192/9	12.0	14.391496	4.0	1166348.0	1.199291	Y
7	IC 480-603192/10	16.0	18.388637	4.0	1180139.0	1.14929	Y



Calibration

/ Fluoranthene

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

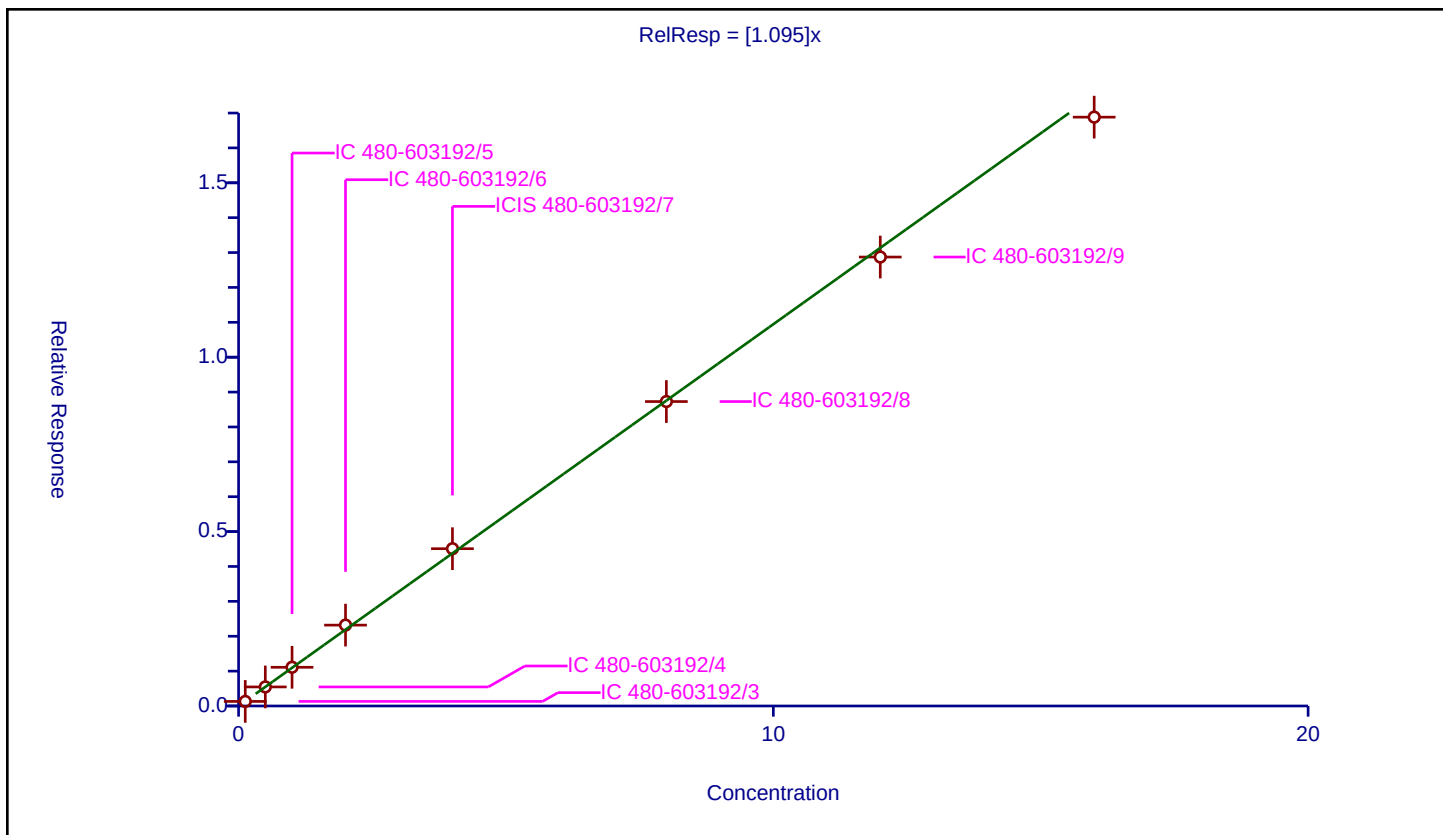
Curve Coefficients

Intercept: 0
 Slope: 1.095

Error Coefficients

Standard Error: 2590000
 Relative Standard Error: 3.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.1309	4.0	1060165.0	1.047203	Y
2	IC 480-603192/4	0.5	0.546452	4.0	1079406.0	1.092905	Y
3	IC 480-603192/5	1.0	1.110687	4.0	1083729.0	1.110687	Y
4	IC 480-603192/6	2.0	2.319079	4.0	1104073.0	1.159539	Y
5	ICIS 480-603192/7	4.0	4.509109	4.0	1125511.0	1.127277	Y
6	IC 480-603192/8	8.0	8.728449	4.0	1122929.0	1.091056	Y
7	IC 480-603192/9	12.0	12.871476	4.0	1166348.0	1.072623	Y
8	IC 480-603192/10	16.0	16.882499	4.0	1180139.0	1.055156	Y



Calibration

/ Benzidine

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

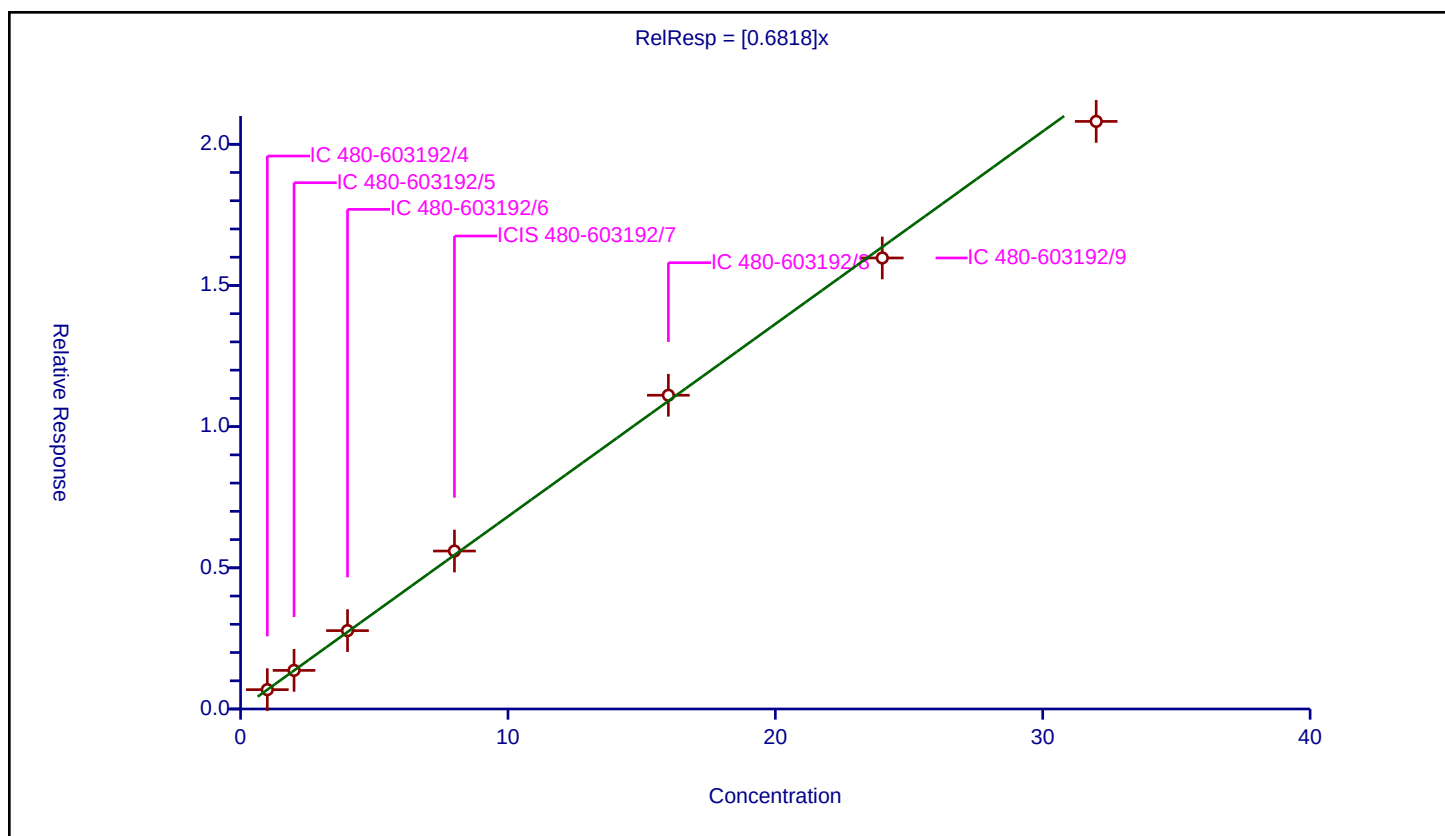
Curve Coefficients

Intercept: 0
Slope: 0.6818

Error Coefficients

Standard Error: 3010000
Relative Standard Error: 2.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	1.0	0.685153	4.0	897260.0	0.685153	Y
2	IC 480-603192/5	2.0	1.367386	4.0	914305.0	0.683693	Y
3	IC 480-603192/6	4.0	2.775859	4.0	943123.0	0.693965	Y
4	ICIS 480-603192/7	8.0	5.593835	4.0	943332.0	0.699229	Y
5	IC 480-603192/8	16.0	11.110867	4.0	962799.0	0.694429	Y
6	IC 480-603192/9	24.0	15.974207	4.0	996862.0	0.665592	Y
7	IC 480-603192/10	32.0	20.80991	4.0	1038194.0	0.65031	Y



Calibration

/ Pyrene

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

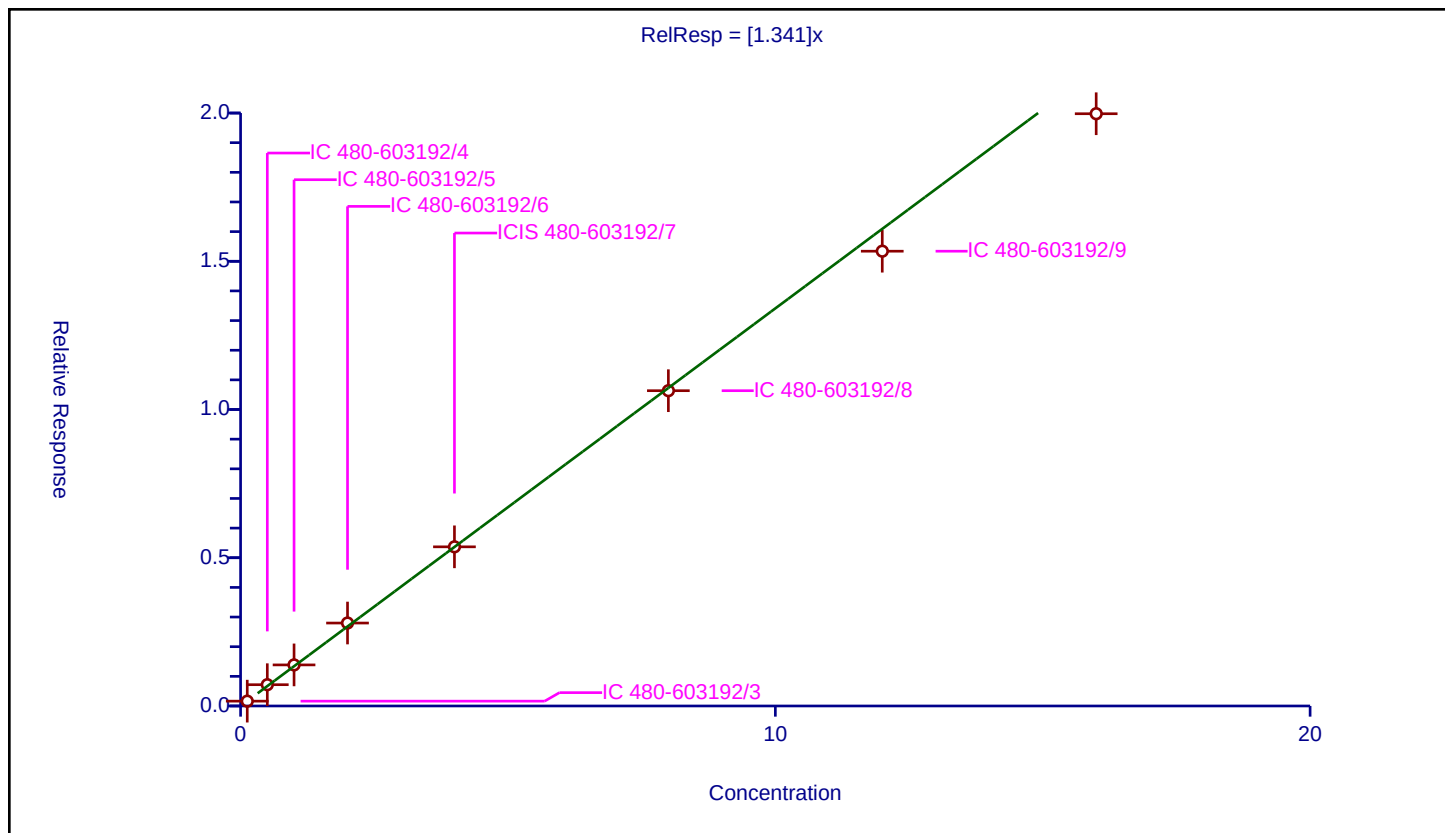
Curve Coefficients

Intercept: 0
 Slope: 1.341

Error Coefficients

Standard Error: 2680000
 Relative Standard Error: 4.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.163607	4.0	926783.0	1.308854	Y
2	IC 480-603192/4	0.5	0.718151	4.0	897260.0	1.436302	Y
3	IC 480-603192/5	1.0	1.385315	4.0	914305.0	1.385315	Y
4	IC 480-603192/6	2.0	2.798859	4.0	943123.0	1.399429	Y
5	ICIS 480-603192/7	4.0	5.368278	4.0	943332.0	1.342069	Y
6	IC 480-603192/8	8.0	10.634174	4.0	962799.0	1.329272	Y
7	IC 480-603192/9	12.0	15.340286	4.0	996862.0	1.278357	Y
8	IC 480-603192/10	16.0	19.976725	4.0	1038194.0	1.248545	Y



Calibration

/ p-Terphenyl-d14

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

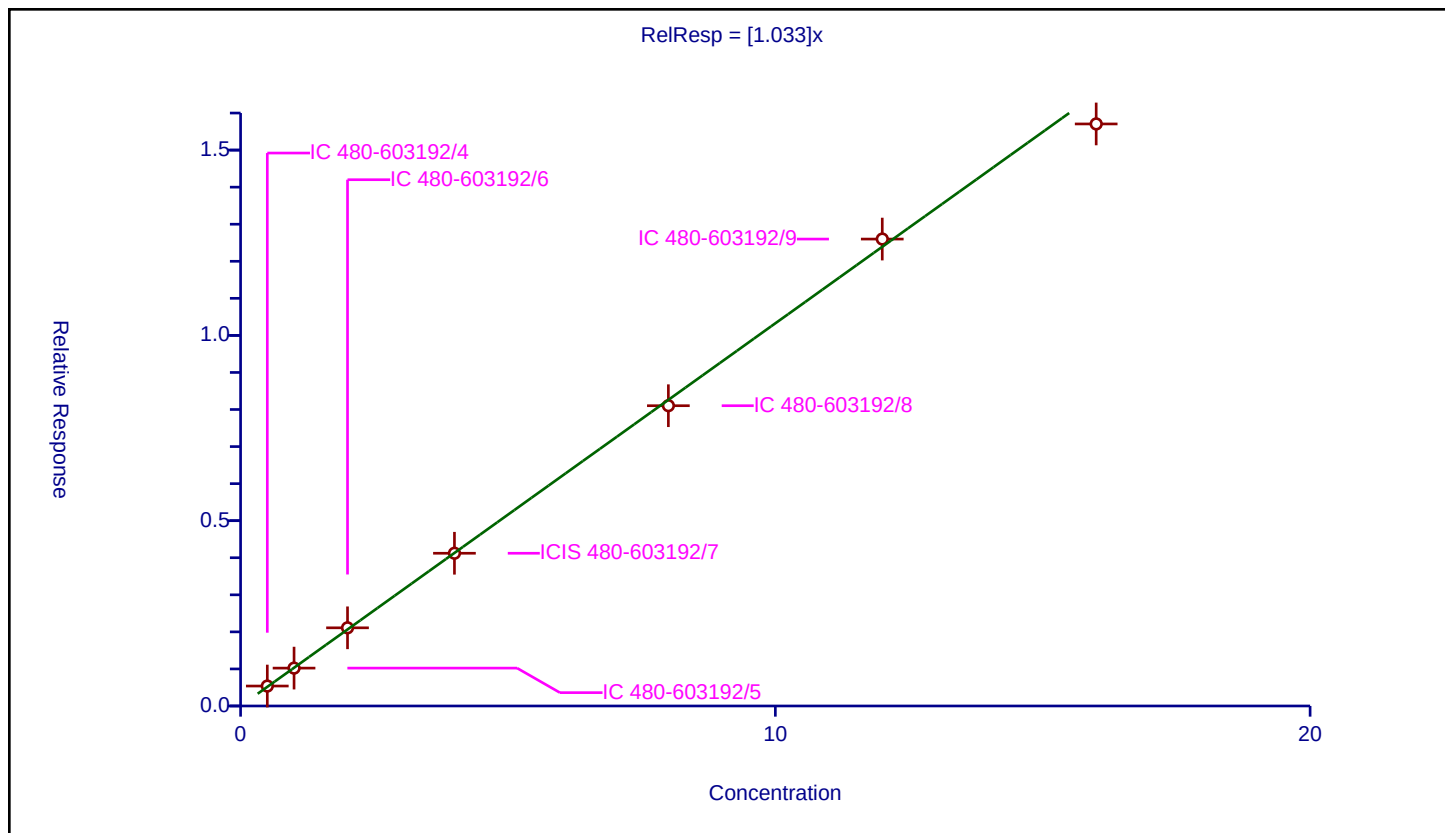
Curve Coefficients

Intercept: 0
 Slope: 1.033

Error Coefficients

Standard Error: 2290000
 Relative Standard Error: 3.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.538207	4.0	897260.0	1.076415	Y
2	IC 480-603192/5	1.0	1.022018	4.0	914305.0	1.022018	Y
3	IC 480-603192/6	2.0	2.10915	4.0	943123.0	1.054575	Y
4	ICIS 480-603192/7	4.0	4.121544	4.0	943332.0	1.030386	Y
5	IC 480-603192/8	8.0	8.103423	4.0	962799.0	1.012928	Y
6	IC 480-603192/9	12.0	12.599581	4.0	996862.0	1.049965	Y
7	IC 480-603192/10	16.0	15.705627	4.0	1038194.0	0.981602	Y



Calibration

/ Butyl benzyl phthalate

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

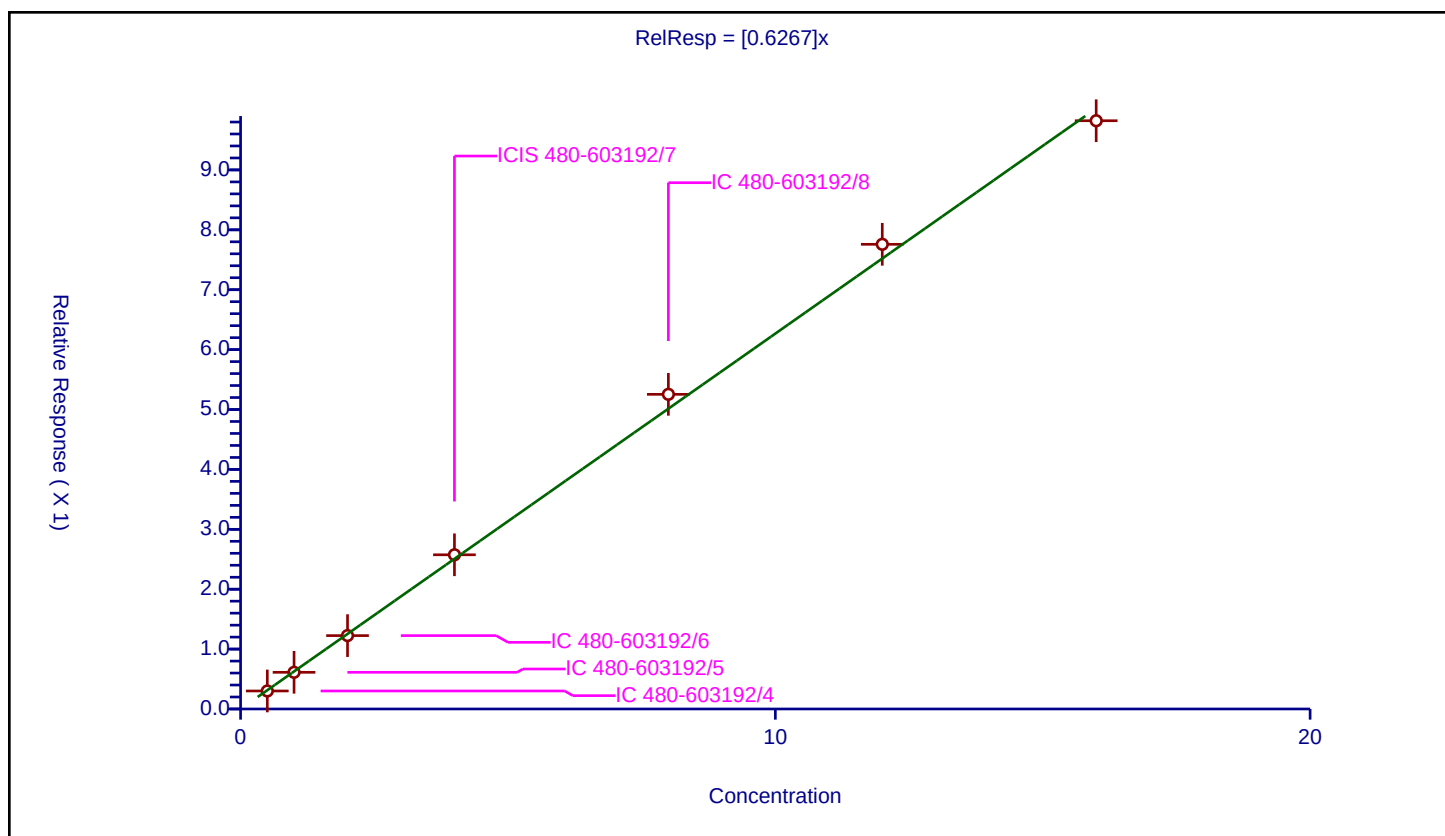
Curve Coefficients

Intercept: 0
 Slope: 0.6267

Error Coefficients

Standard Error: 1430000
 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 480-603192/4	0.5	0.300707	4.0	897260.0	0.601413	Y
2	IC 480-603192/5	1.0	0.612238	4.0	914305.0	0.612238	Y
3	IC 480-603192/6	2.0	1.225584	4.0	943123.0	0.612792	Y
4	ICIS 480-603192/7	4.0	2.574856	4.0	943332.0	0.643714	Y
5	IC 480-603192/8	8.0	5.253578	4.0	962799.0	0.656697	Y
6	IC 480-603192/9	12.0	7.758157	4.0	996862.0	0.646513	Y
7	IC 480-603192/10	16.0	9.821163	4.0	1038194.0	0.613823	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

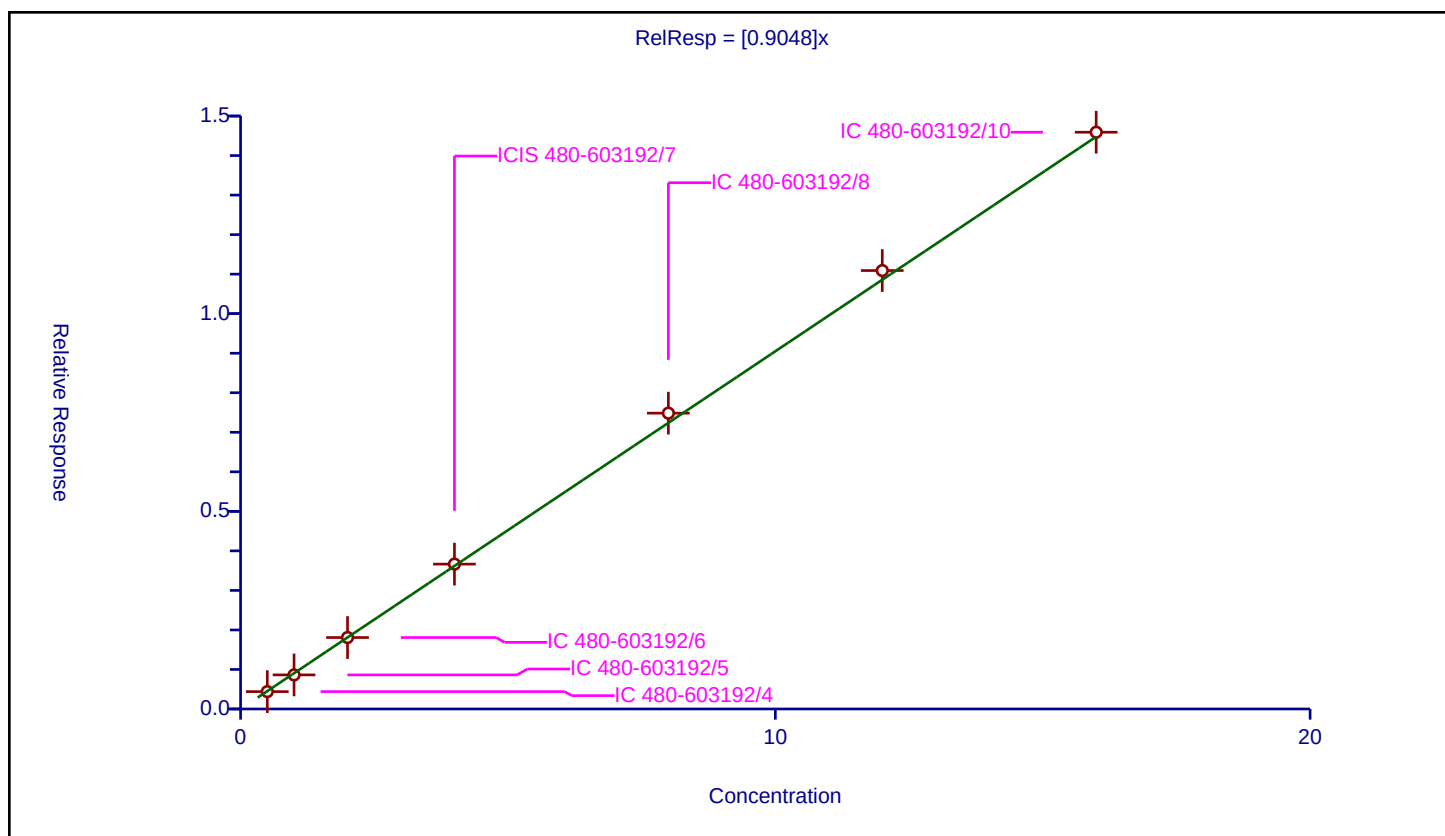
Curve Coefficients

Intercept: 0
 Slope: 0.9048

Error Coefficients

Standard Error: 2090000
 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 480-603192/4	0.5	0.440158	4.0	897260.0	0.880316	Y
2	IC 480-603192/5	1.0	0.862189	4.0	914305.0	0.862189	Y
3	IC 480-603192/6	2.0	1.807412	4.0	943123.0	0.903706	Y
4	ICIS 480-603192/7	4.0	3.664653	4.0	943332.0	0.916163	Y
5	IC 480-603192/8	8.0	7.48336	4.0	962799.0	0.93542	Y
6	IC 480-603192/9	12.0	11.090755	4.0	996862.0	0.92423	Y
7	IC 480-603192/10	16.0	14.589855	4.0	1038194.0	0.911866	Y



Calibration

/ 3,3'-Dichlorobenzidine

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

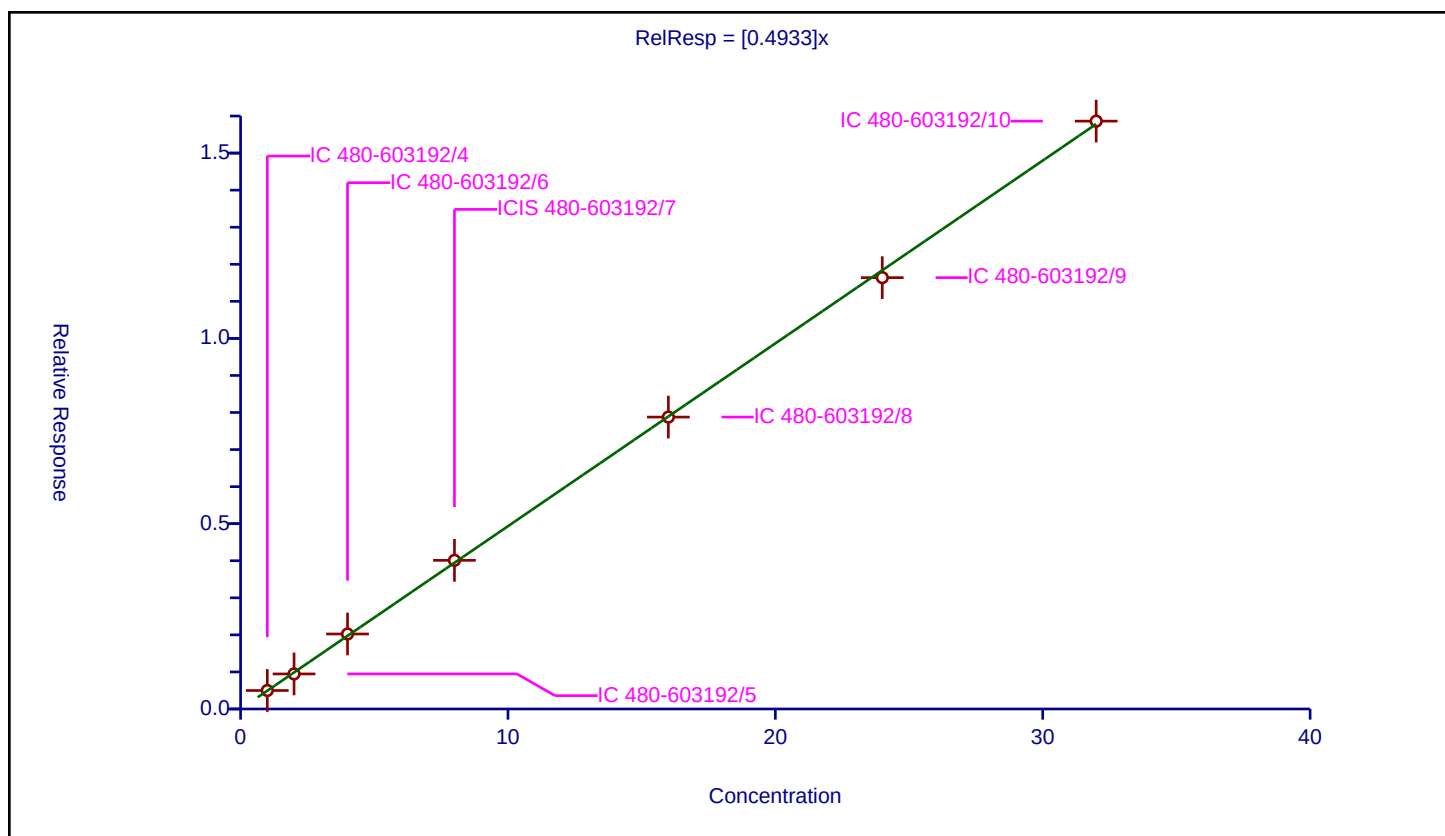
Curve Coefficients

Intercept: 0
Slope: 0.4933

Error Coefficients

Standard Error: 2240000
Relative Standard Error: 2.3
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	1.0	0.499552	4.0	897260.0	0.499552	Y
2	IC 480-603192/5	2.0	0.945899	4.0	914305.0	0.472949	Y
3	IC 480-603192/6	4.0	2.023566	4.0	943123.0	0.505892	Y
4	ICIS 480-603192/7	8.0	4.01108	4.0	943332.0	0.501385	Y
5	IC 480-603192/8	16.0	7.877054	4.0	962799.0	0.492316	Y
6	IC 480-603192/9	24.0	11.639457	4.0	996862.0	0.484977	Y
7	IC 480-603192/10	32.0	15.861999	4.0	1038194.0	0.495687	Y



Calibration

/ Benzo[a]anthracene

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

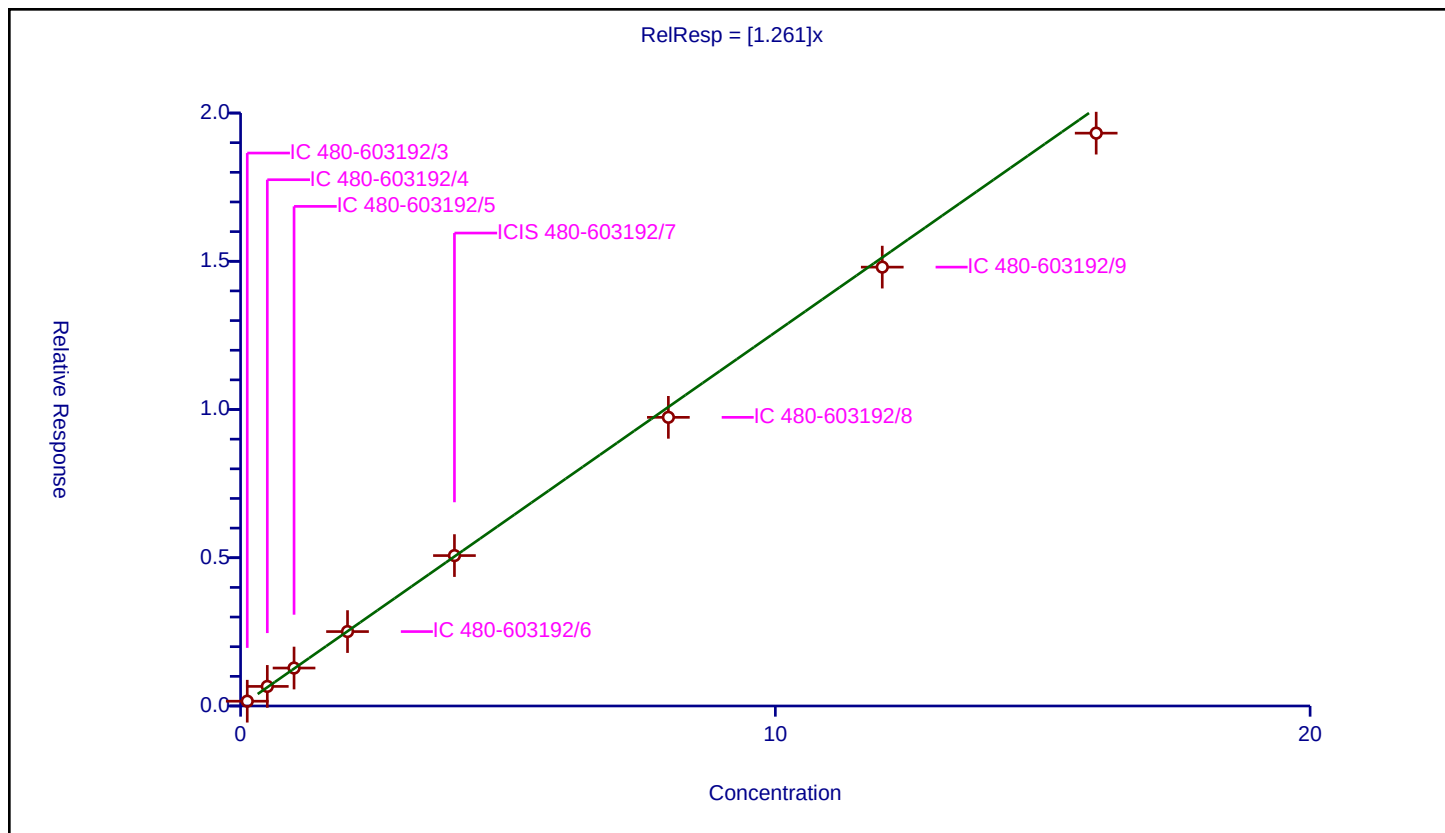
Curve Coefficients

Intercept: 0
 Slope: 1.261

Error Coefficients

Standard Error: 2570000
 Relative Standard Error: 3.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.162584	4.0	926783.0	1.300671	Y
2	IC 480-603192/4	0.5	0.660825	4.0	897260.0	1.32165	Y
3	IC 480-603192/5	1.0	1.28029	4.0	914305.0	1.28029	Y
4	IC 480-603192/6	2.0	2.511019	4.0	943123.0	1.25551	Y
5	ICIS 480-603192/7	4.0	5.073069	4.0	943332.0	1.268267	Y
6	IC 480-603192/8	8.0	9.73694	4.0	962799.0	1.217117	Y
7	IC 480-603192/9	12.0	14.803192	4.0	996862.0	1.233599	Y
8	IC 480-603192/10	16.0	19.321614	4.0	1038194.0	1.207601	Y



Calibration

/ Chrysene

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

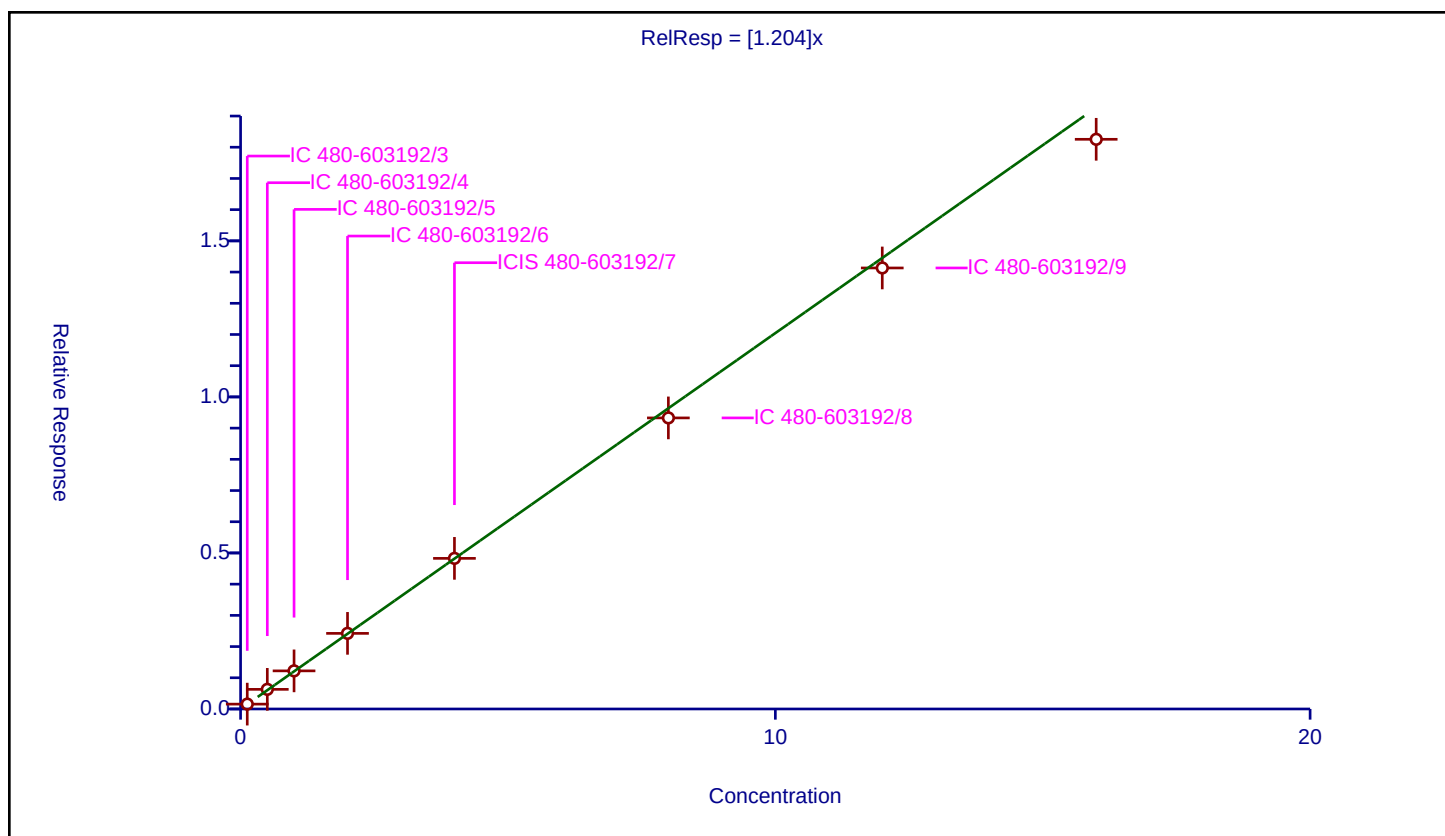
Curve Coefficients

Intercept: 0
 Slope: 1.204

Error Coefficients

Standard Error: 2440000
 Relative Standard Error: 3.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.156416	4.0	926783.0	1.251331	Y
2	IC 480-603192/4	0.5	0.629365	4.0	897260.0	1.25873	Y
3	IC 480-603192/5	1.0	1.221776	4.0	914305.0	1.221776	Y
4	IC 480-603192/6	2.0	2.423756	4.0	943123.0	1.211878	Y
5	ICIS 480-603192/7	4.0	4.826534	4.0	943332.0	1.206634	Y
6	IC 480-603192/8	8.0	9.32755	4.0	962799.0	1.165944	Y
7	IC 480-603192/9	12.0	14.13199	4.0	996862.0	1.177666	Y
8	IC 480-603192/10	16.0	18.253633	4.0	1038194.0	1.140852	Y



Calibration

/ Di-n-octyl phthalate

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

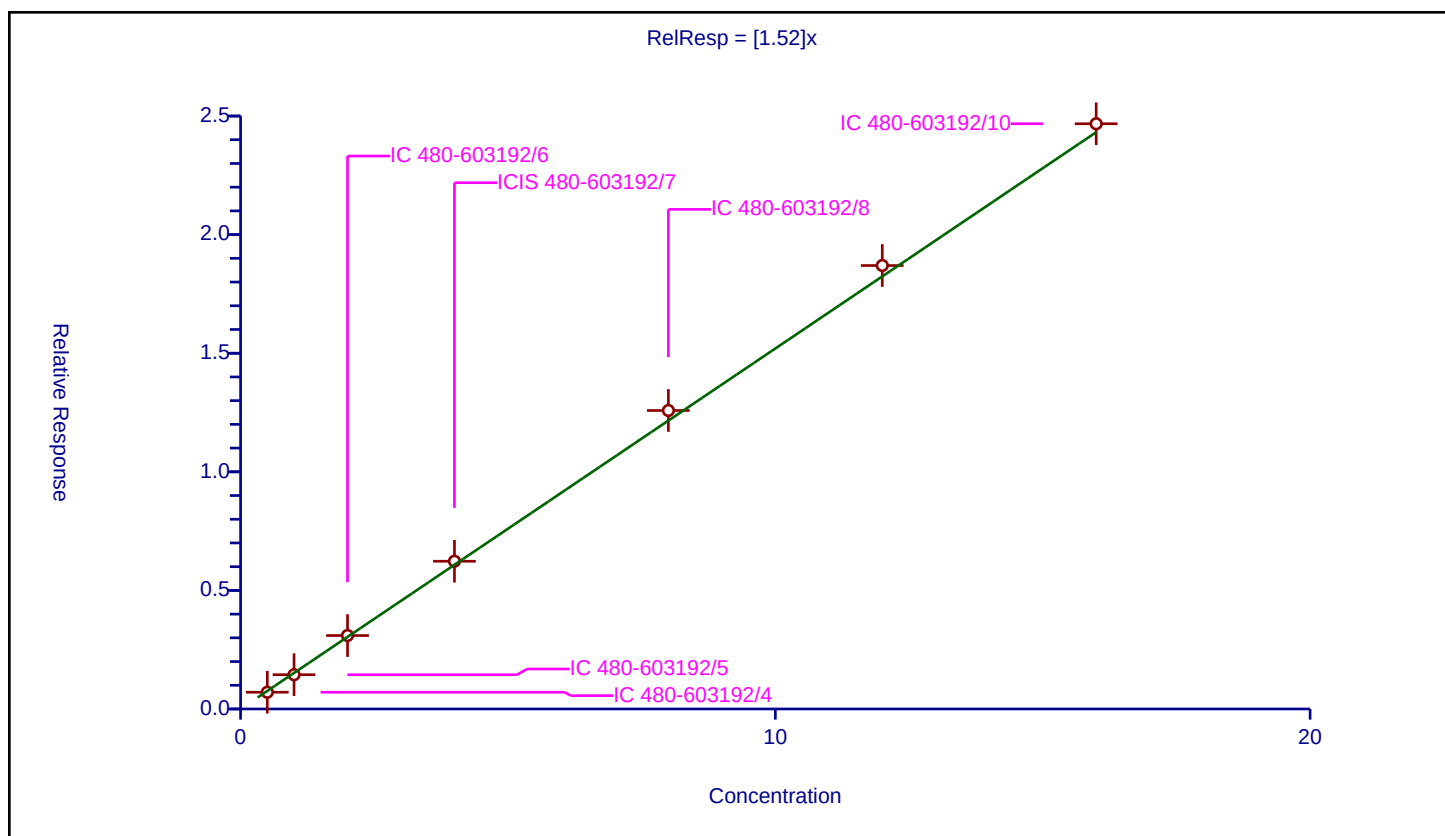
Curve Coefficients

Intercept: 0
 Slope: 1.52

Error Coefficients

Standard Error: 3530000
 Relative Standard Error: 4.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/4	0.5	0.706983	4.0	897260.0	1.413967	Y
2	IC 480-603192/5	1.0	1.444831	4.0	914305.0	1.444831	Y
3	IC 480-603192/6	2.0	3.098323	4.0	943123.0	1.549162	Y
4	ICIS 480-603192/7	4.0	6.230544	4.0	943332.0	1.557636	Y
5	IC 480-603192/8	8.0	12.584317	4.0	962799.0	1.57304	Y
6	IC 480-603192/9	12.0	18.697581	4.0	996862.0	1.558132	Y
7	IC 480-603192/10	16.0	24.673435	4.0	1038194.0	1.54209	Y



Calibration

/ Benzo[b]fluoranthene

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

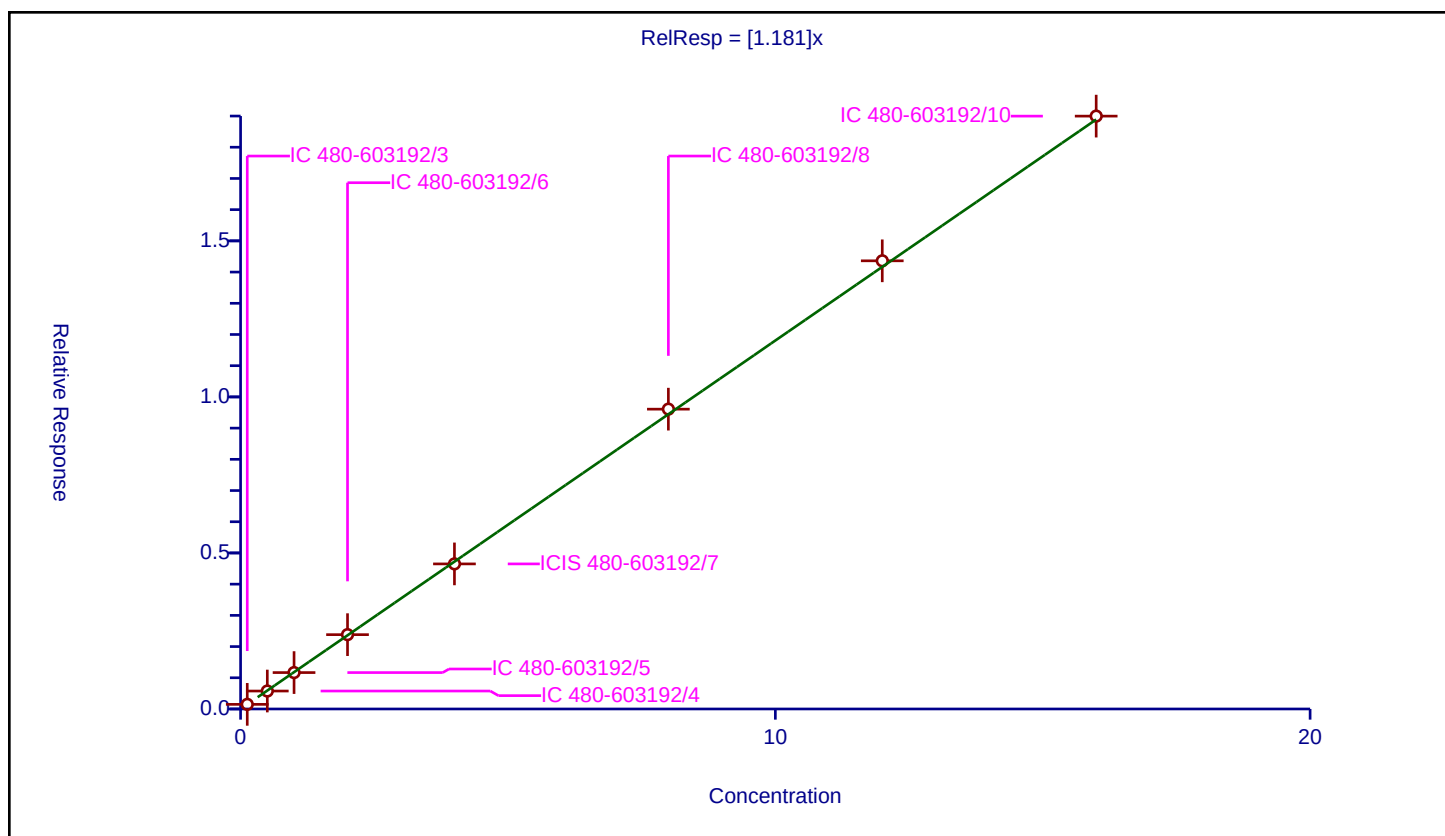
Curve Coefficients

Intercept: 0
 Slope: 1.181

Error Coefficients

Standard Error: 2710000
 Relative Standard Error: 1.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.148522	4.0	916013.0	1.188175	Y
2	IC 480-603192/4	0.5	0.575515	4.0	970074.0	1.15103	Y
3	IC 480-603192/5	1.0	1.166503	4.0	957988.0	1.166503	Y
4	IC 480-603192/6	2.0	2.382644	4.0	1008918.0	1.191322	Y
5	ICIS 480-603192/7	4.0	4.649498	4.0	1003132.0	1.162374	Y
6	IC 480-603192/8	8.0	9.608271	4.0	1029369.0	1.201034	Y
7	IC 480-603192/9	12.0	14.360731	4.0	1063030.0	1.196728	Y
8	IC 480-603192/10	16.0	18.997313	4.0	1135014.0	1.187332	Y



Calibration

/ Benzo[k]fluoranthene

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

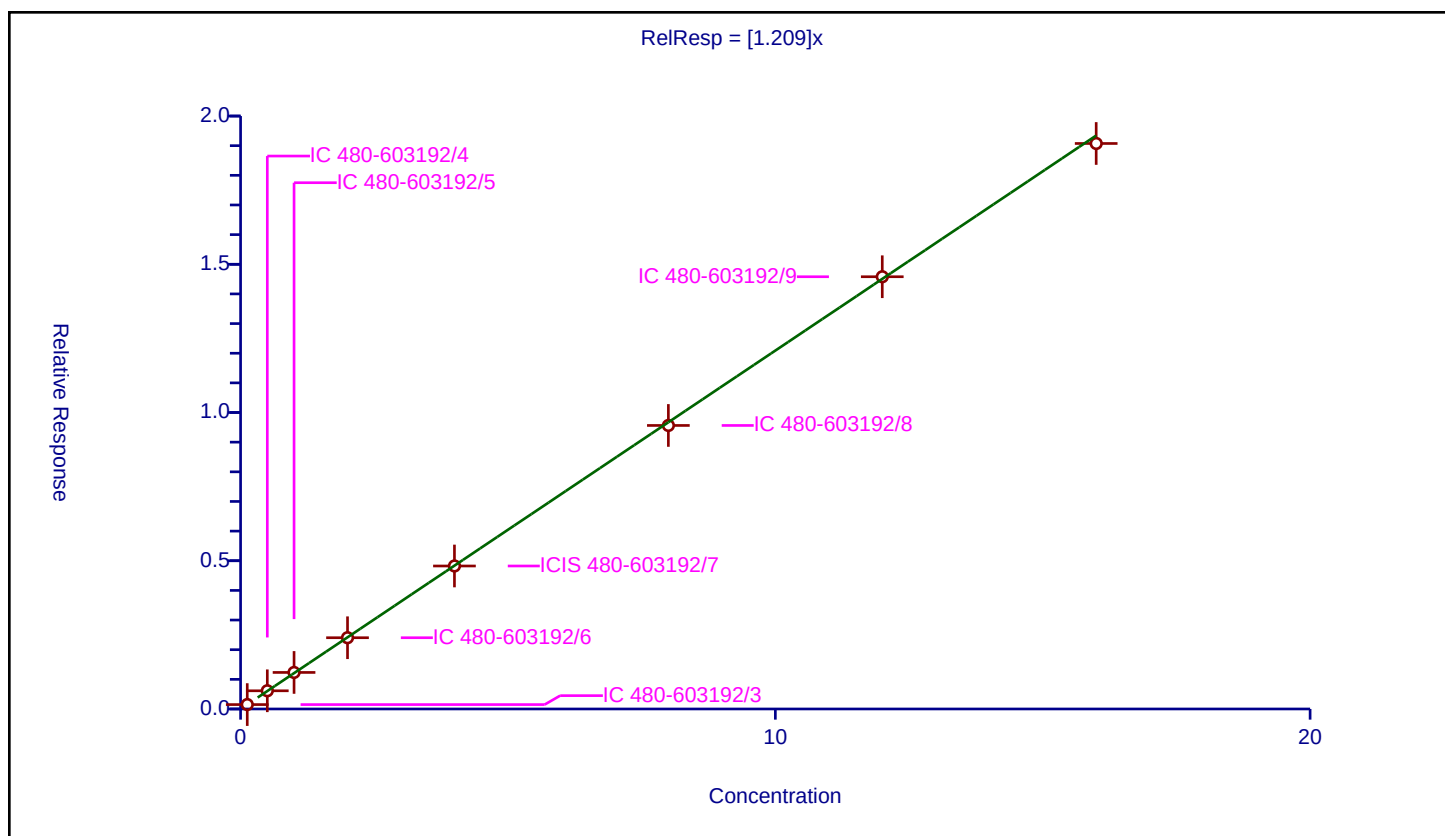
Curve Coefficients

Intercept: 0
 Slope: 1.209

Error Coefficients

Standard Error: 2730000
 Relative Standard Error: 1.3
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.149806	4.0	916013.0	1.198446	Y
2	IC 480-603192/4	0.5	0.614827	4.0	970074.0	1.229655	Y
3	IC 480-603192/5	1.0	1.232546	4.0	957988.0	1.232546	Y
4	IC 480-603192/6	2.0	2.404049	4.0	1008918.0	1.202024	Y
5	ICIS 480-603192/7	4.0	4.824498	4.0	1003132.0	1.206124	Y
6	IC 480-603192/8	8.0	9.563043	4.0	1029369.0	1.19538	Y
7	IC 480-603192/9	12.0	14.579585	4.0	1063030.0	1.214965	Y
8	IC 480-603192/10	16.0	19.07396	4.0	1135014.0	1.192123	Y



Calibration

/ Benzo[a]pyrene

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

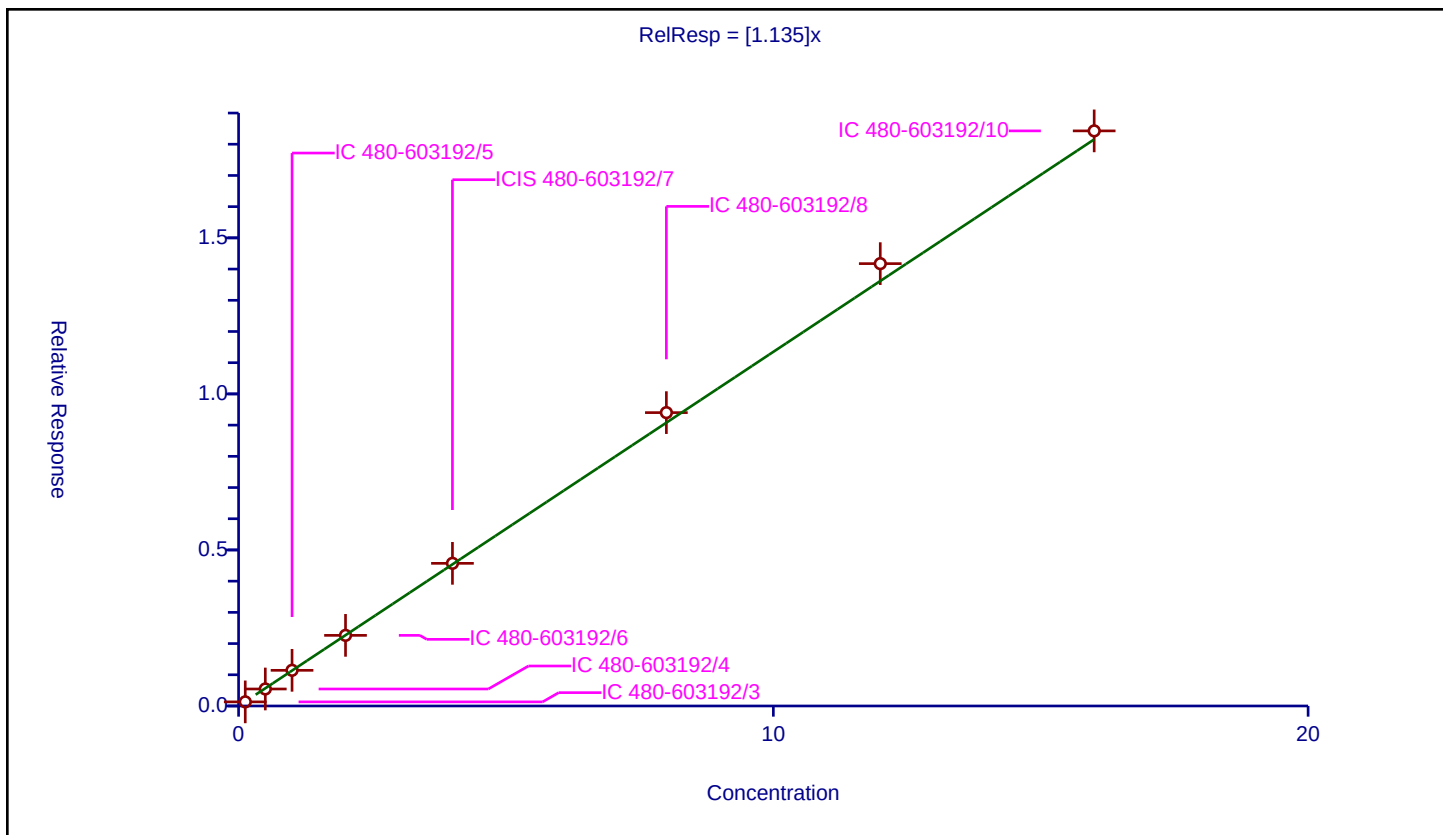
Curve Coefficients

Intercept: 0
 Slope: 1.135

Error Coefficients

Standard Error: 2650000
 Relative Standard Error: 3.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.132719	4.0	916013.0	1.061749	Y
2	IC 480-603192/4	0.5	0.545229	4.0	970074.0	1.090457	Y
3	IC 480-603192/5	1.0	1.143492	4.0	957988.0	1.143492	Y
4	IC 480-603192/6	2.0	2.262943	4.0	1008918.0	1.131472	Y
5	ICIS 480-603192/7	4.0	4.571458	4.0	1003132.0	1.142865	Y
6	IC 480-603192/8	8.0	9.40066	4.0	1029369.0	1.175083	Y
7	IC 480-603192/9	12.0	14.17408	4.0	1063030.0	1.181173	Y
8	IC 480-603192/10	16.0	18.427336	4.0	1135014.0	1.151708	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

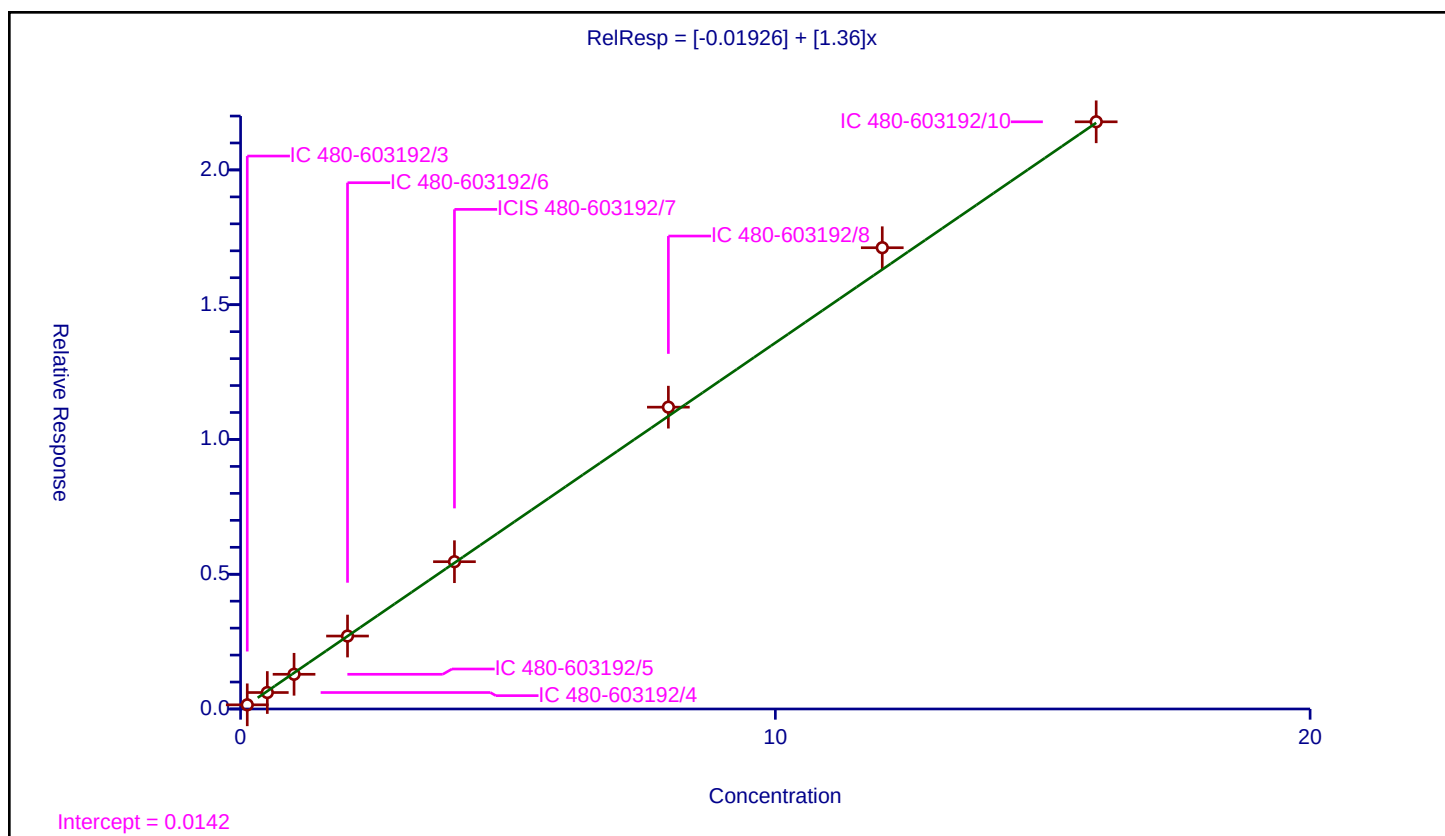
Curve Coefficients

Intercept: -0.01926
 Slope: 1.36

Error Coefficients

Standard Error: 3410000
 Relative Standard Error: 4.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.154557	4.0	916013.0	1.236454	Y
2	IC 480-603192/4	0.5	0.610609	4.0	970074.0	1.221218	Y
3	IC 480-603192/5	1.0	1.28729	4.0	957988.0	1.28729	Y
4	IC 480-603192/6	2.0	2.706503	4.0	1008918.0	1.353252	Y
5	ICIS 480-603192/7	4.0	5.464653	4.0	1003132.0	1.366163	Y
6	IC 480-603192/8	8.0	11.198934	4.0	1029369.0	1.399867	Y
7	IC 480-603192/9	12.0	17.114663	4.0	1063030.0	1.426222	Y
8	IC 480-603192/10	16.0	21.786766	4.0	1135014.0	1.361673	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

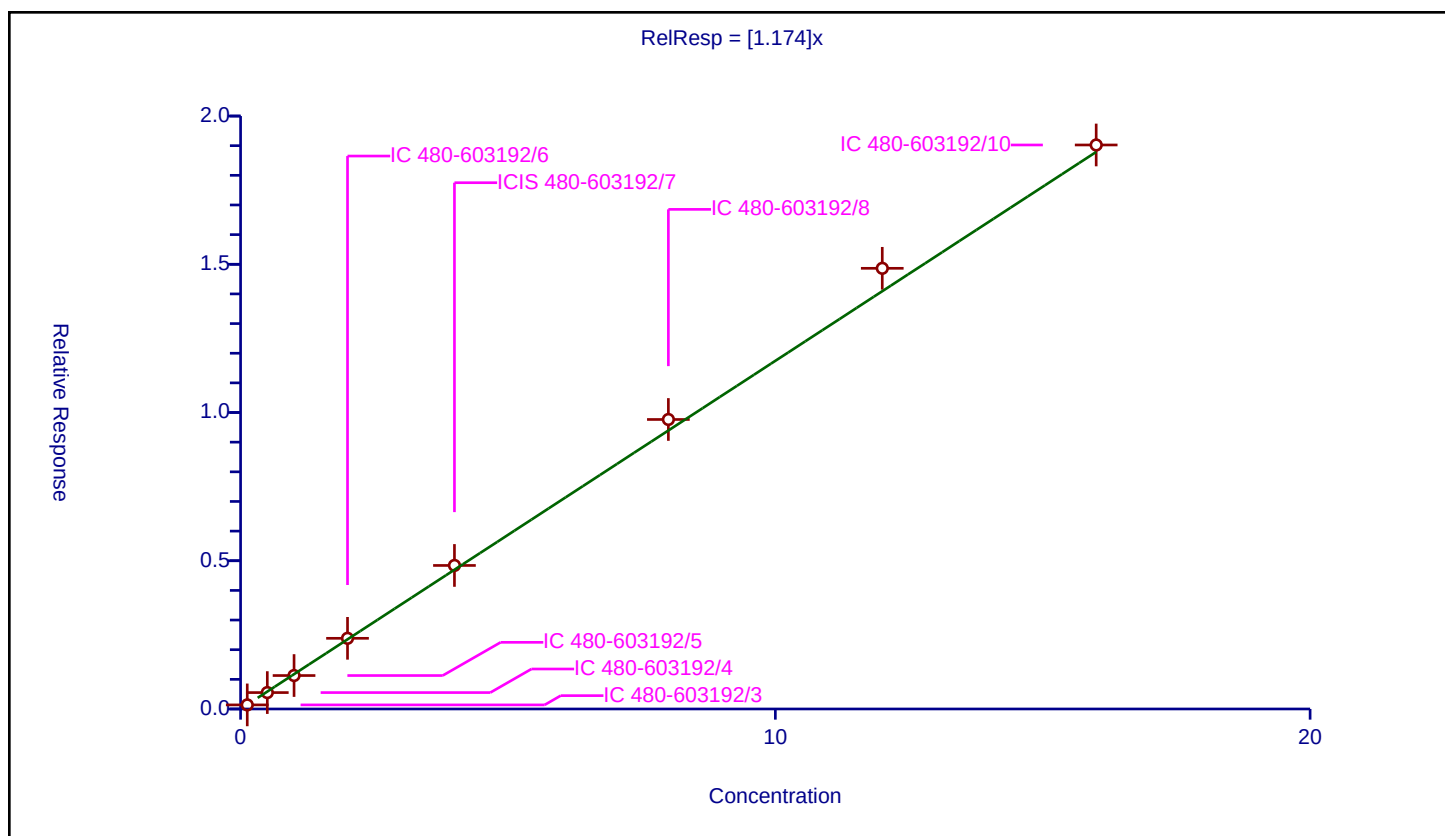
Curve Coefficients

Intercept: 0
 Slope: 1.174

Error Coefficients

Standard Error: 2750000
 Relative Standard Error: 4.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.138461	4.0	916013.0	1.107687	Y
2	IC 480-603192/4	0.5	0.553545	4.0	970074.0	1.107091	Y
3	IC 480-603192/5	1.0	1.128749	4.0	957988.0	1.128749	Y
4	IC 480-603192/6	2.0	2.384269	4.0	1008918.0	1.192135	Y
5	ICIS 480-603192/7	4.0	4.842386	4.0	1003132.0	1.210596	Y
6	IC 480-603192/8	8.0	9.76493	4.0	1029369.0	1.220616	Y
7	IC 480-603192/9	12.0	14.863573	4.0	1063030.0	1.238631	Y
8	IC 480-603192/10	16.0	19.022888	4.0	1135014.0	1.18893	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

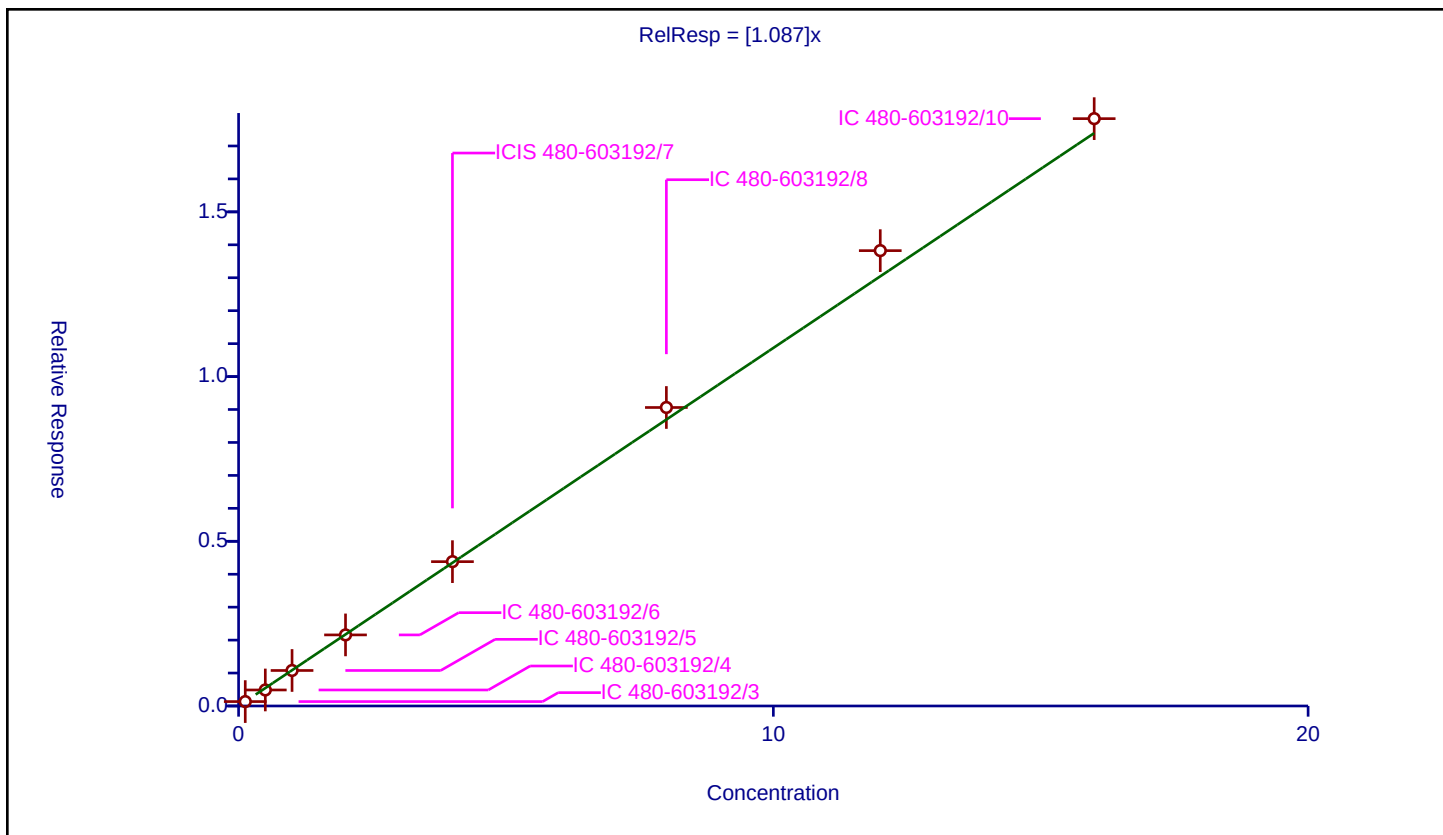
Curve Coefficients

Intercept: 0
 Slope: 1.087

Error Coefficients

Standard Error: 2570000
 Relative Standard Error: 5.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-603192/3	0.125	0.133933	4.0	916013.0	1.071461	Y
2	IC 480-603192/4	0.5	0.486359	4.0	970074.0	0.972718	Y
3	IC 480-603192/5	1.0	1.077613	4.0	957988.0	1.077613	Y
4	IC 480-603192/6	2.0	2.157305	4.0	1008918.0	1.078653	Y
5	ICIS 480-603192/7	4.0	4.382247	4.0	1003132.0	1.095562	Y
6	IC 480-603192/8	8.0	9.06187	4.0	1029369.0	1.132734	Y
7	IC 480-603192/9	12.0	13.823392	4.0	1063030.0	1.151949	Y
8	IC 480-603192/10	16.0	17.828841	4.0	1135014.0	1.114303	Y



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1 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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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 1.0143	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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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		19385	40421	90137	185782		0.500	1.00	2.00	4.00
			409543	612360	789770			8.00	12.0	16.0		
p-Terphenyl-d14 (Surr)	CRY	Ave		155683	299788	637984	1244196		0.500	1.00	2.00	4.00
			2520141	3684474	4782100			8.00	12.0	16.0		

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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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.: 480-191867-1 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

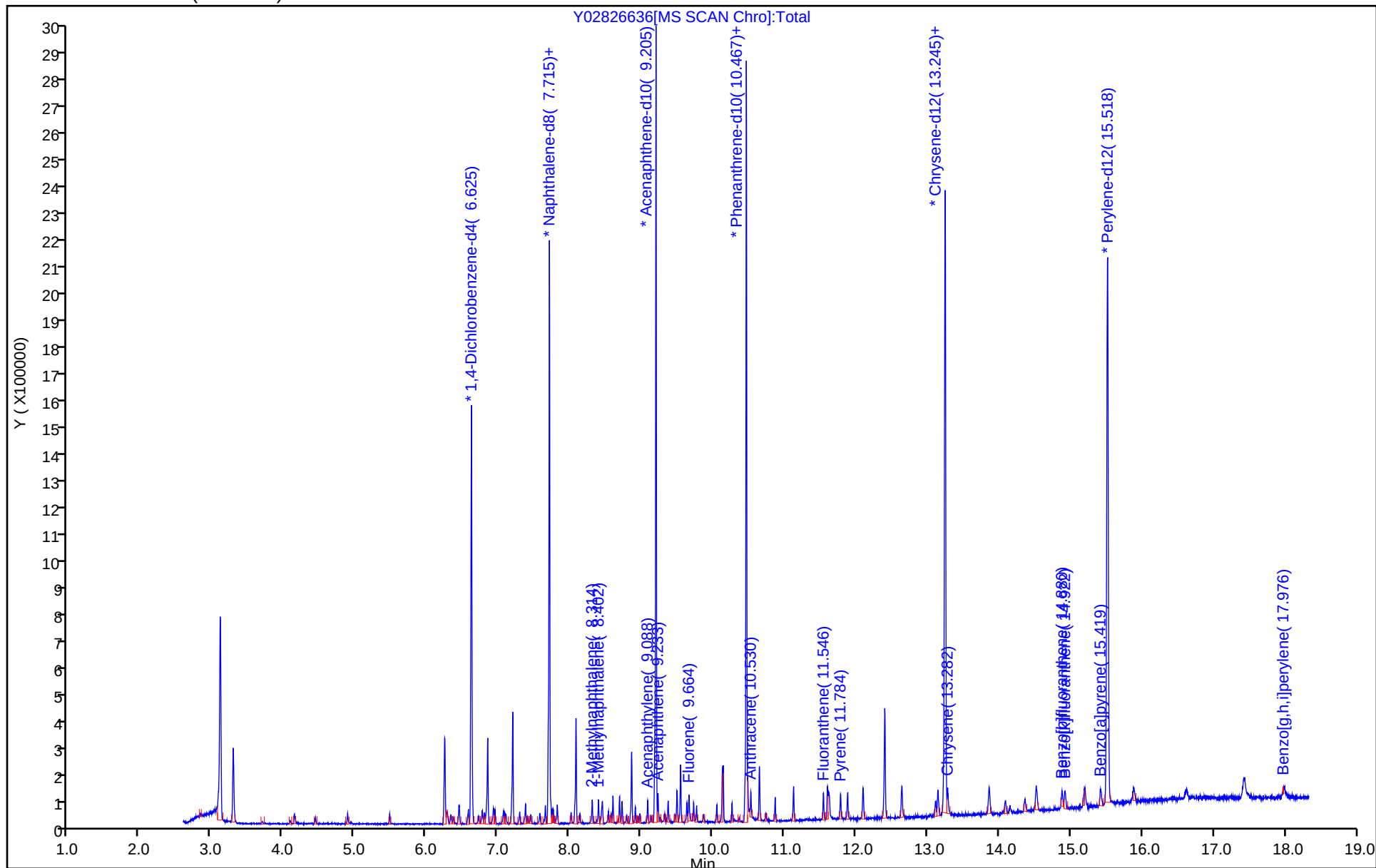
Dil. Factor: 1.0000

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

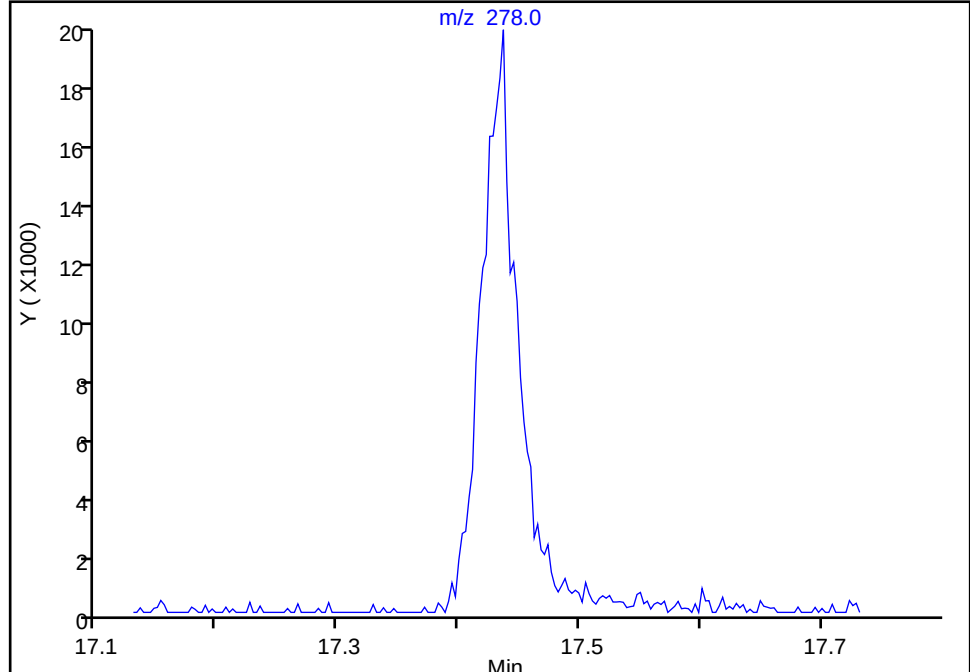
194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

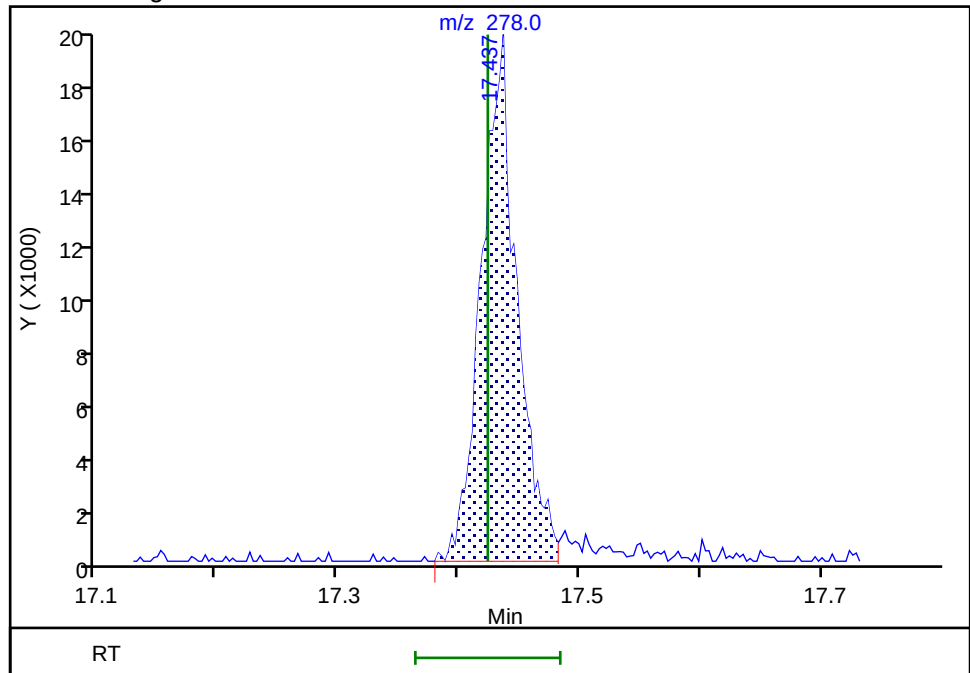
Not Detected

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

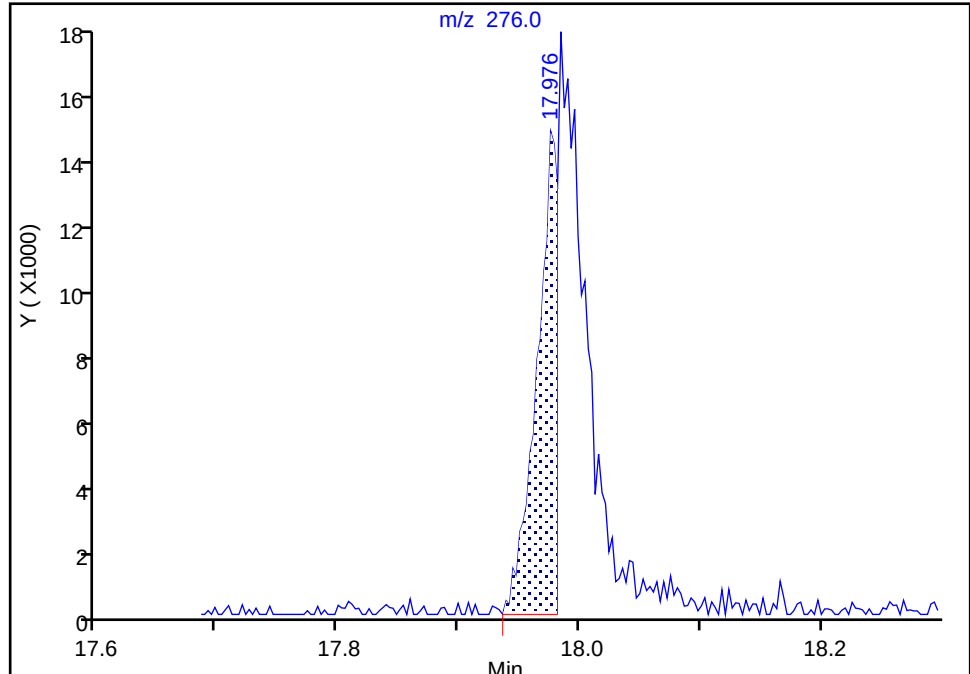
MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

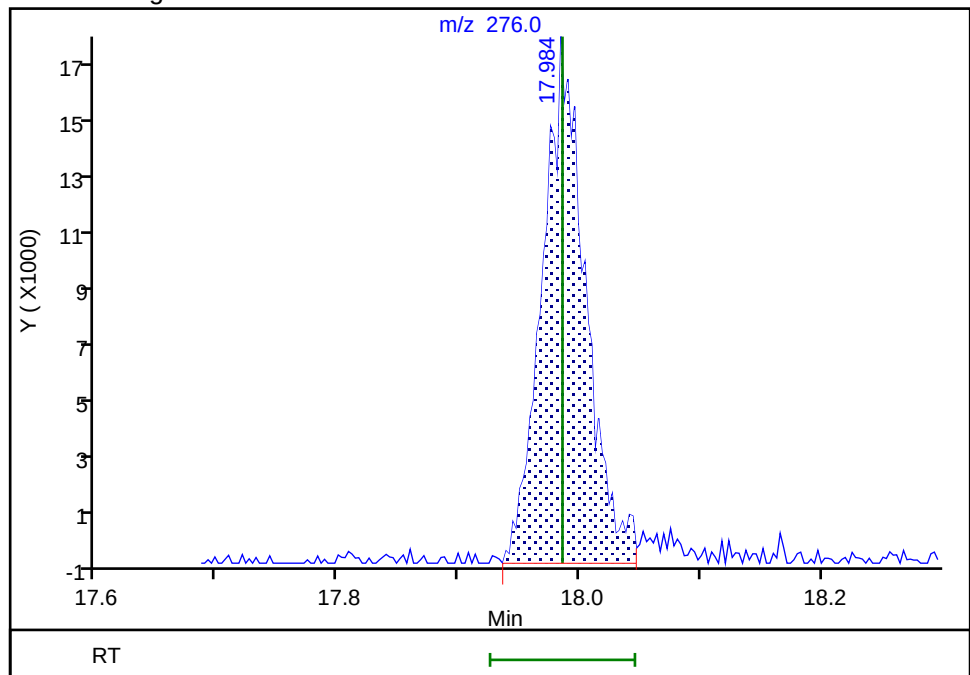
RT: 17.98
Area: 16886
Amount: 0.053437
Amount Units: ng/uL

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

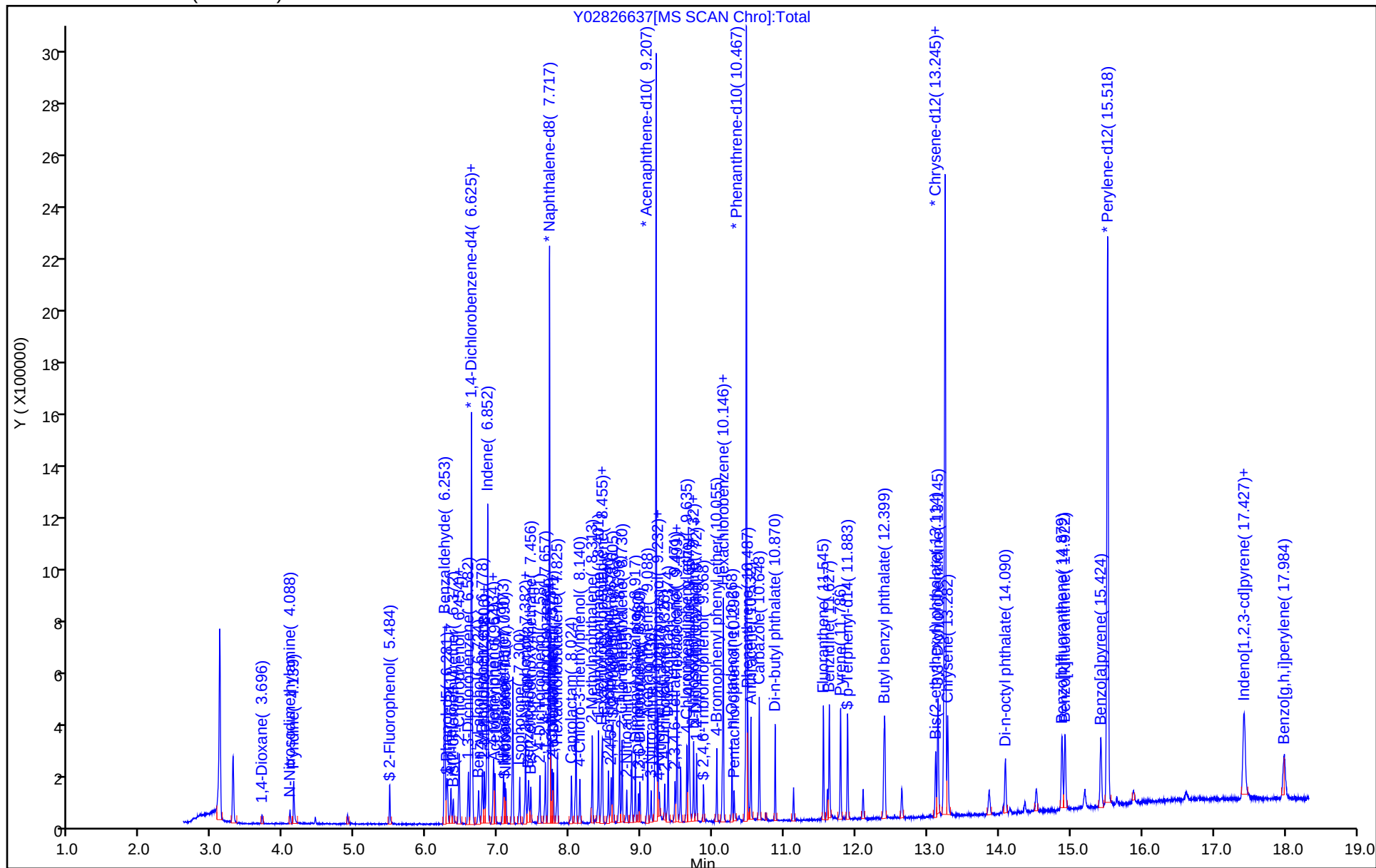
Dil. Factor: 1.0000

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

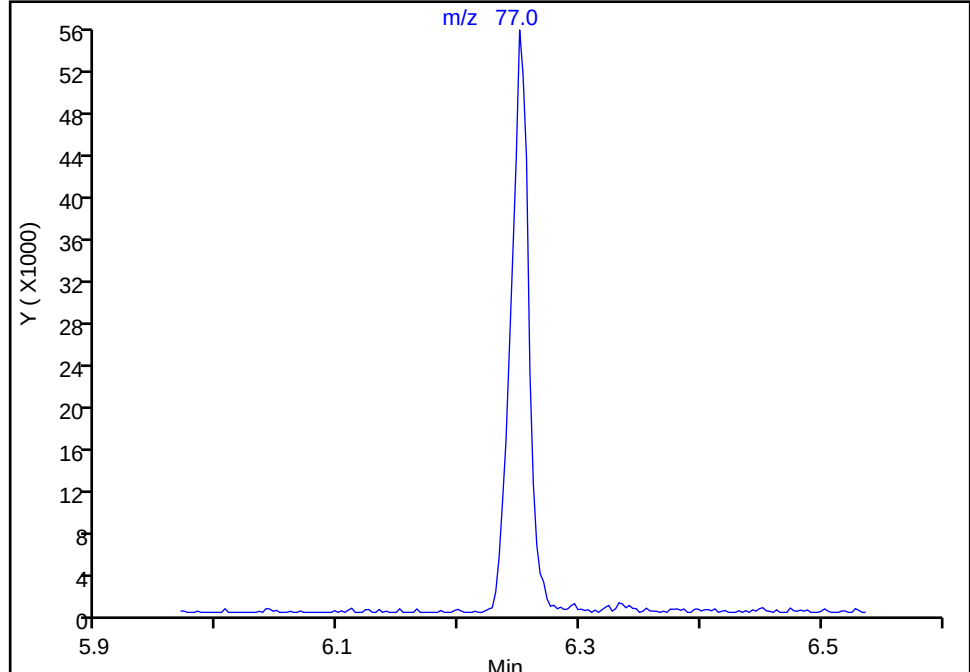
35 Benzaldehyde, CAS: 100-52-7

Signal: 1

Not Detected

Expected RT: 6.25

Processing Integration Results



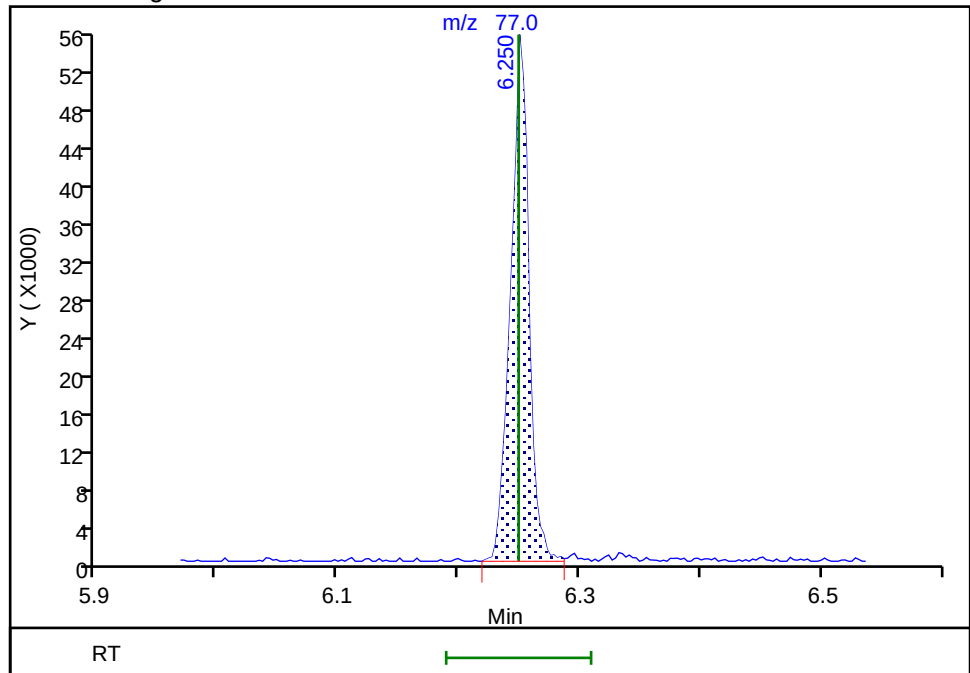
RT: 6.25

Area: 57507

Amount: 0.981506

Amount Units: ng/uL

Manual Integration Results



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

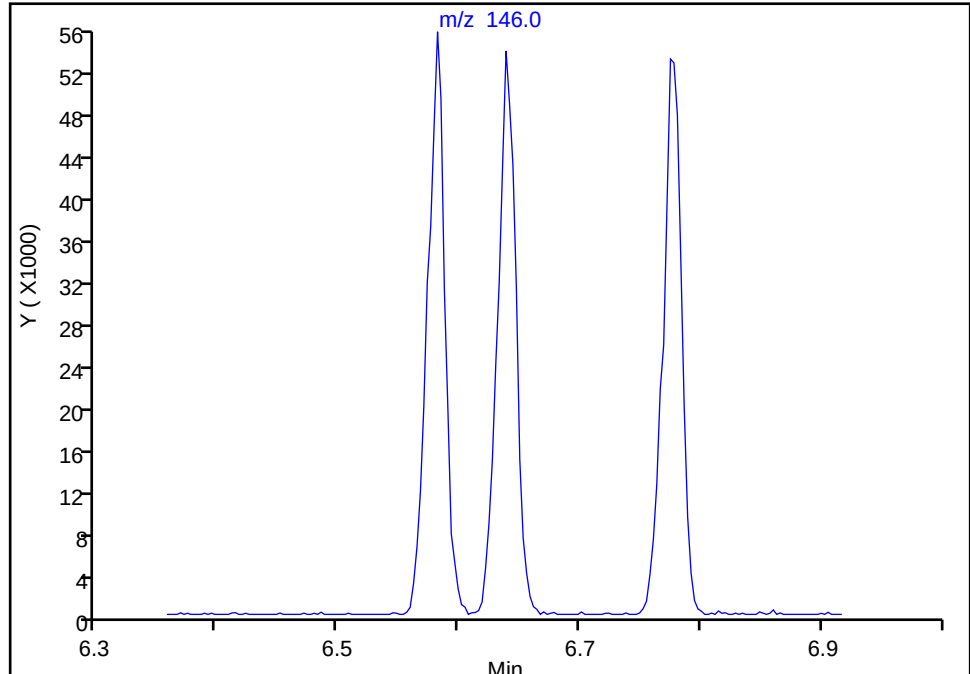
44 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

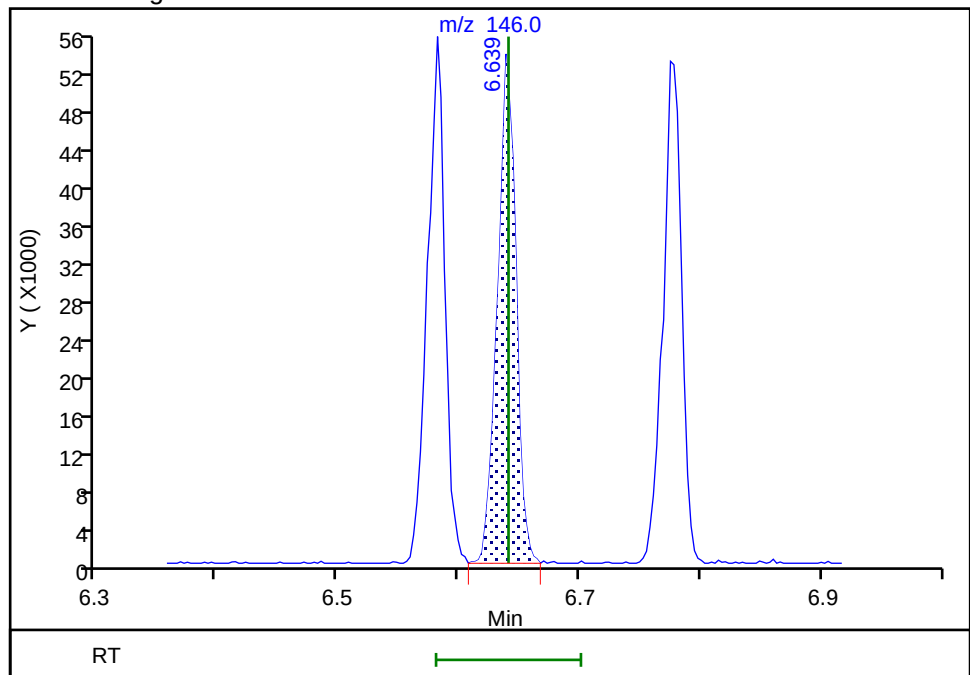
Not Detected

Expected RT: 6.64

Processing Integration Results



Manual Integration Results



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

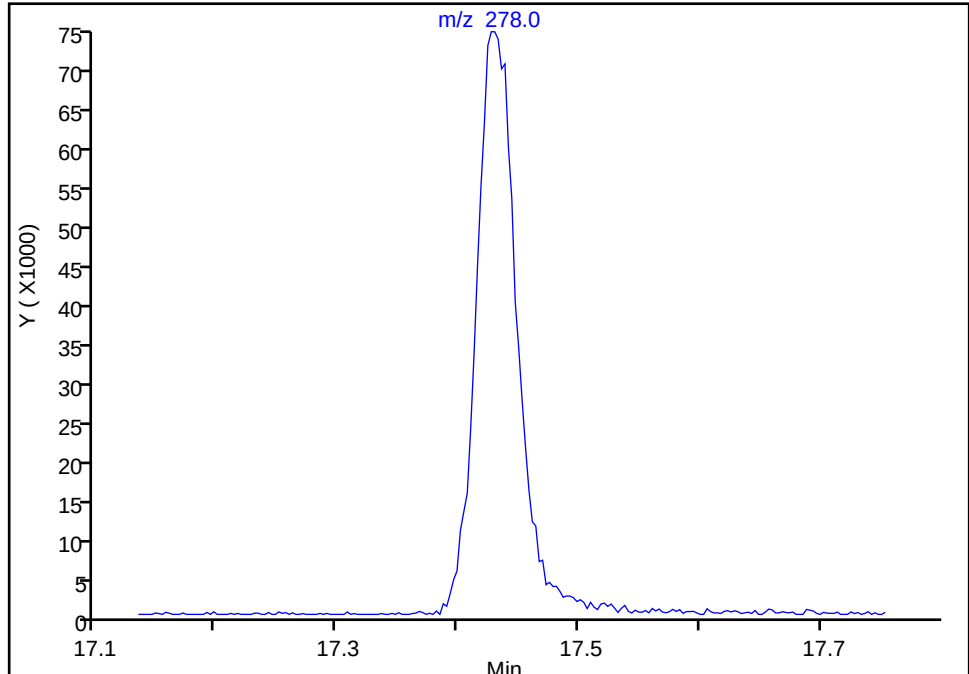
194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

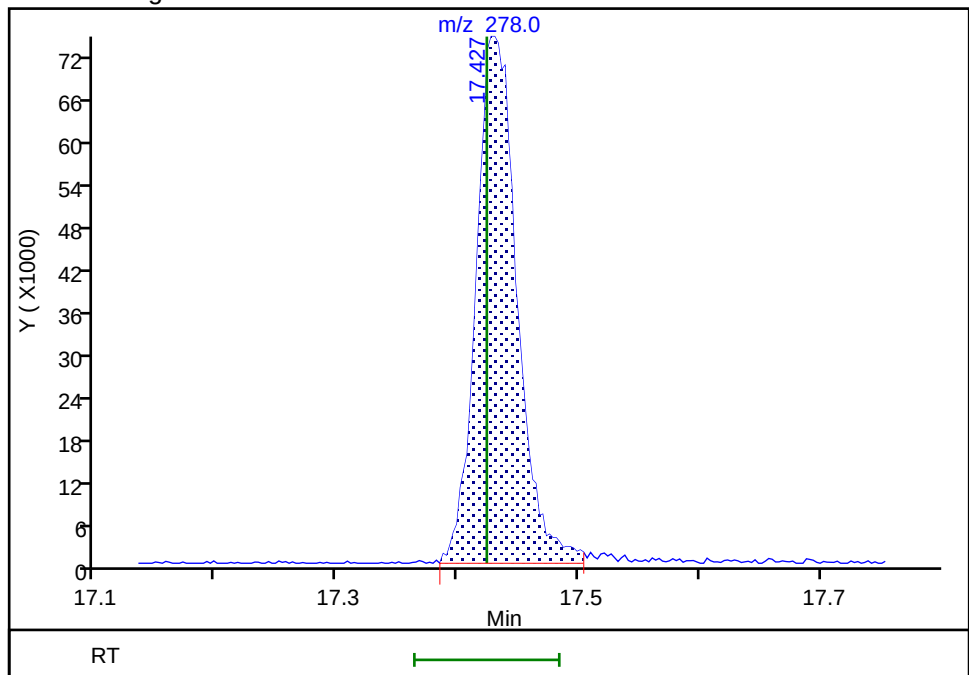
Not Detected

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

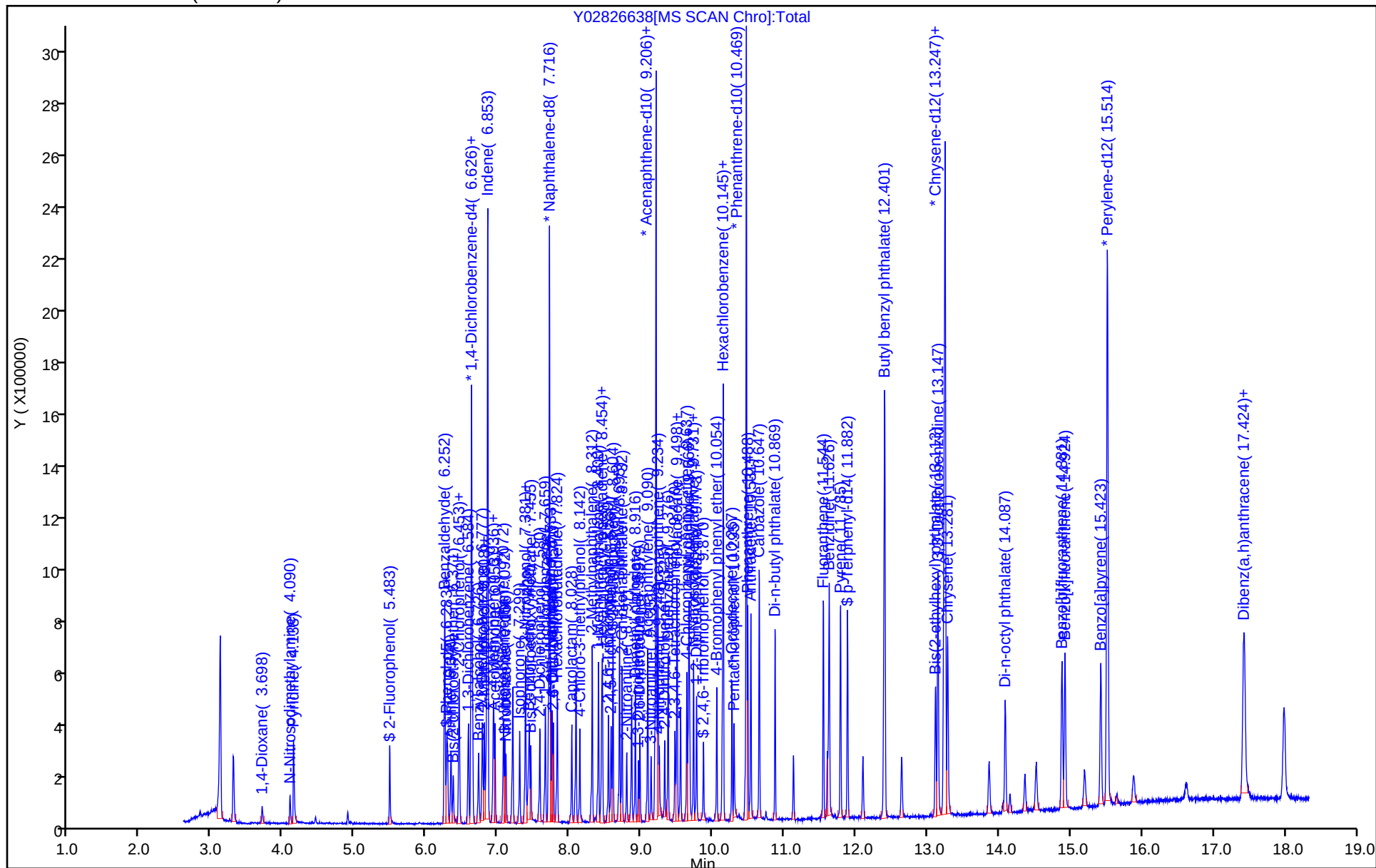
Dil. Factor: 1.0000

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

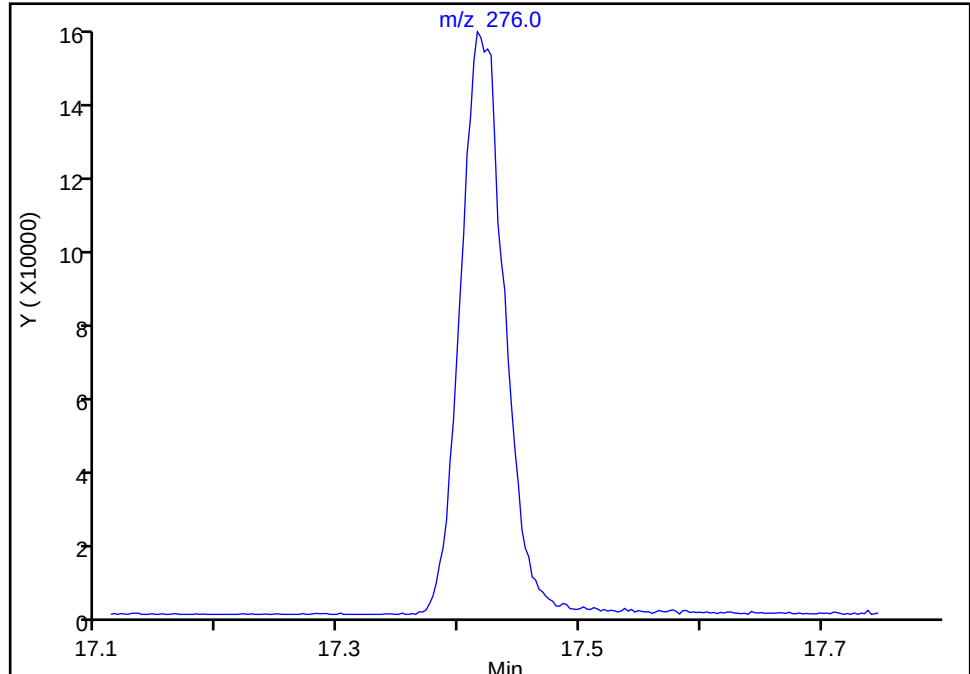
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

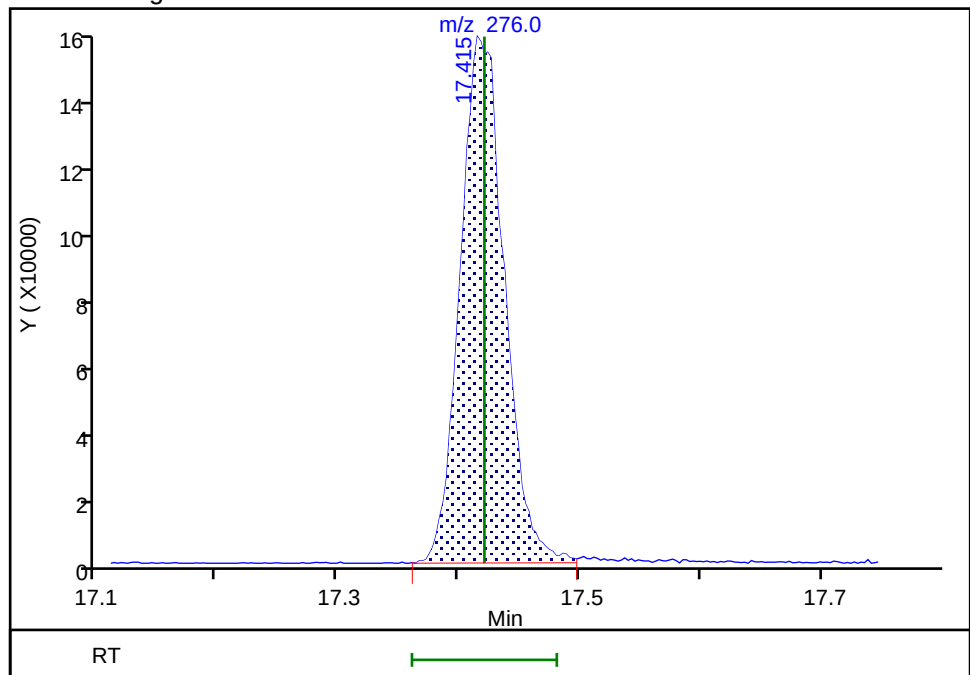
Not Detected

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

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

Operator ID: JM

Lims ID: IC - List 1 - 2

Worklist Smp#: 6

Client ID:

Injection Vol: 2.0 ul

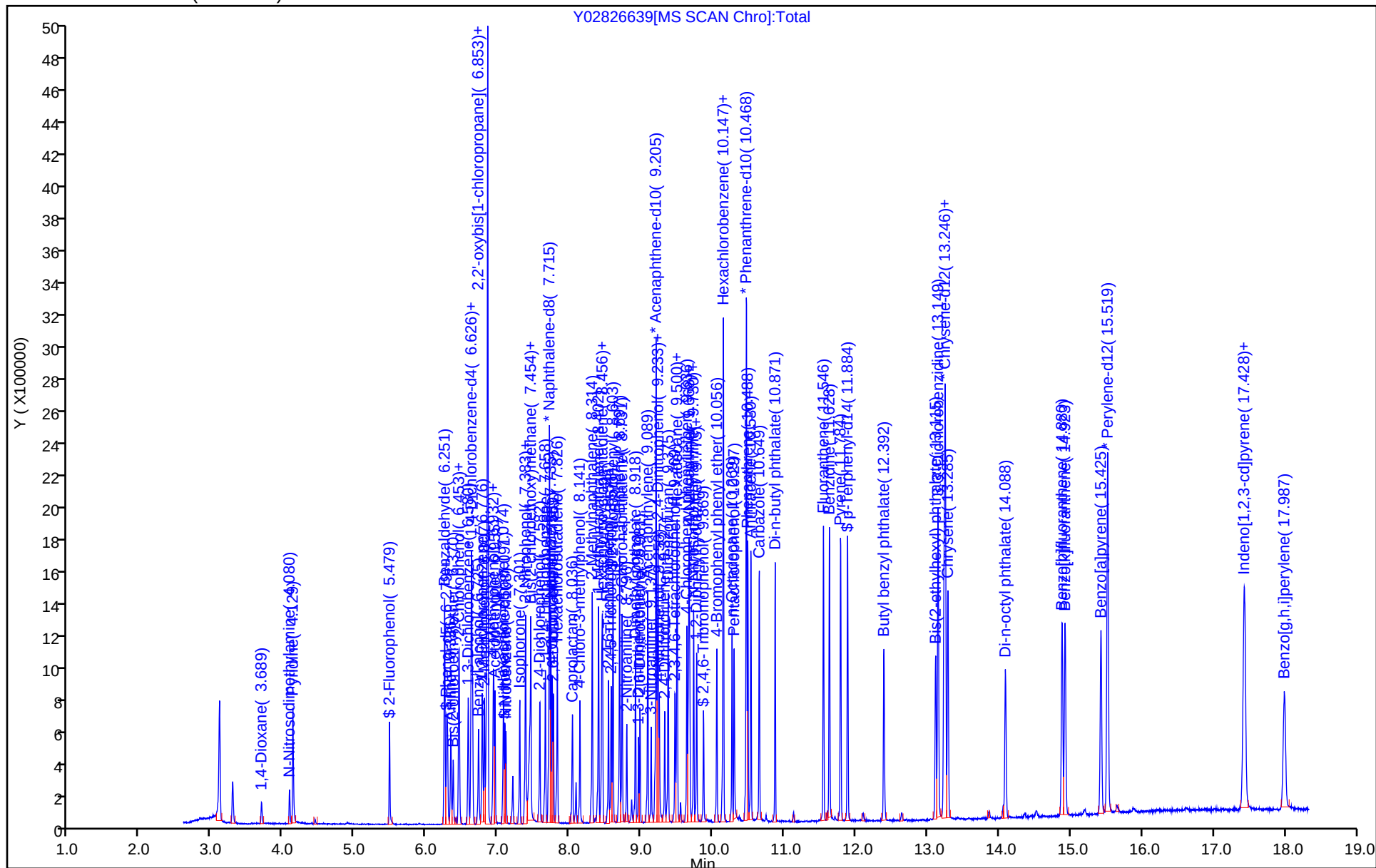
Dil. Factor: 1.0000

ALS Bottle#: 6

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\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

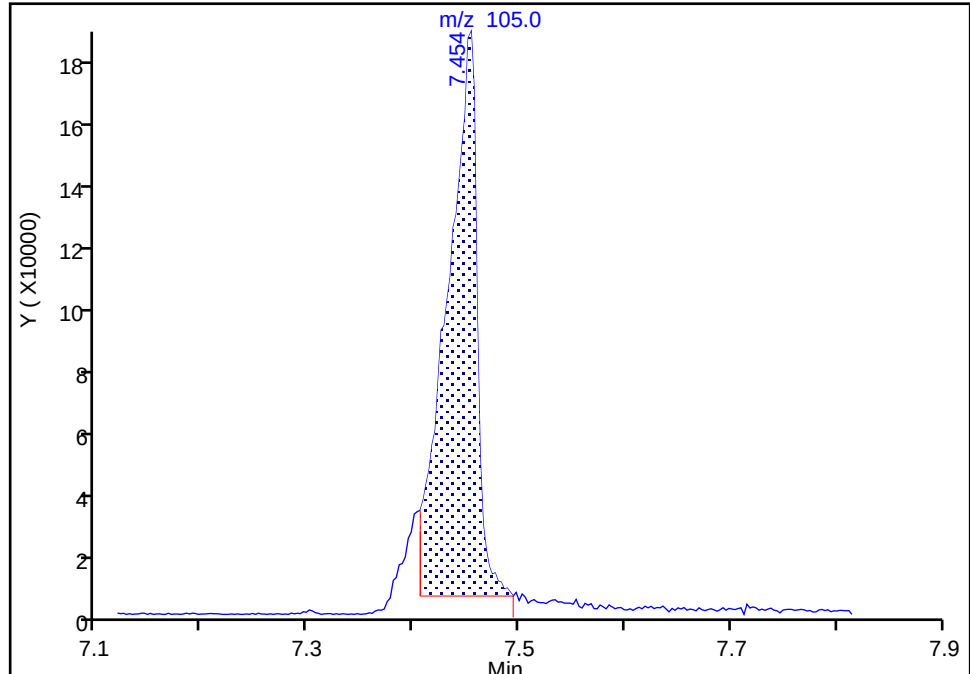
MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

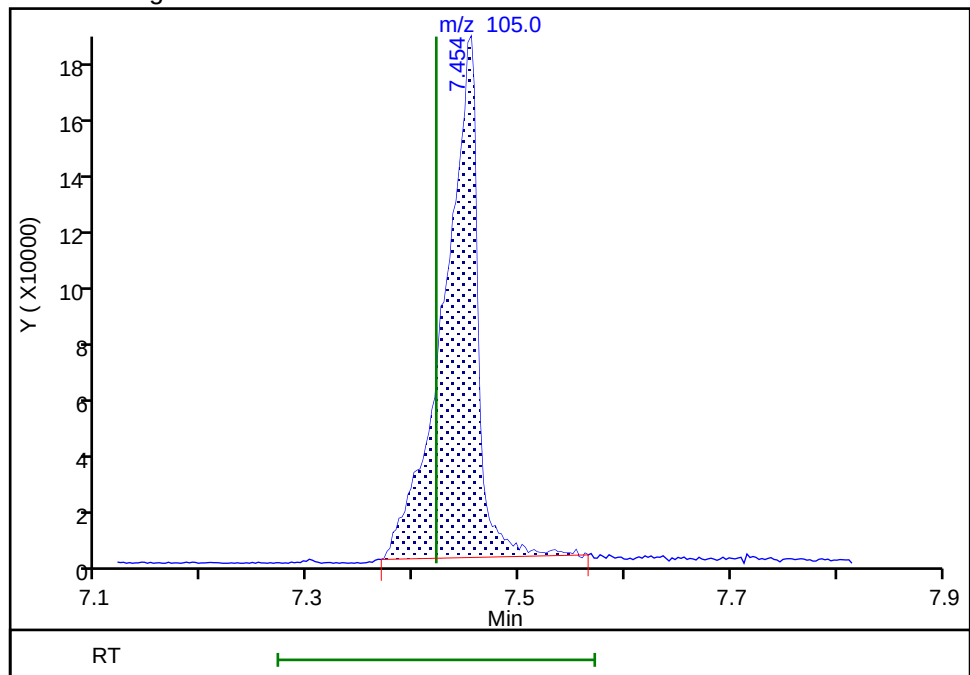
RT: 7.45
Area: 347570
Amount: 42.502265
Amount Units: ng/uL

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

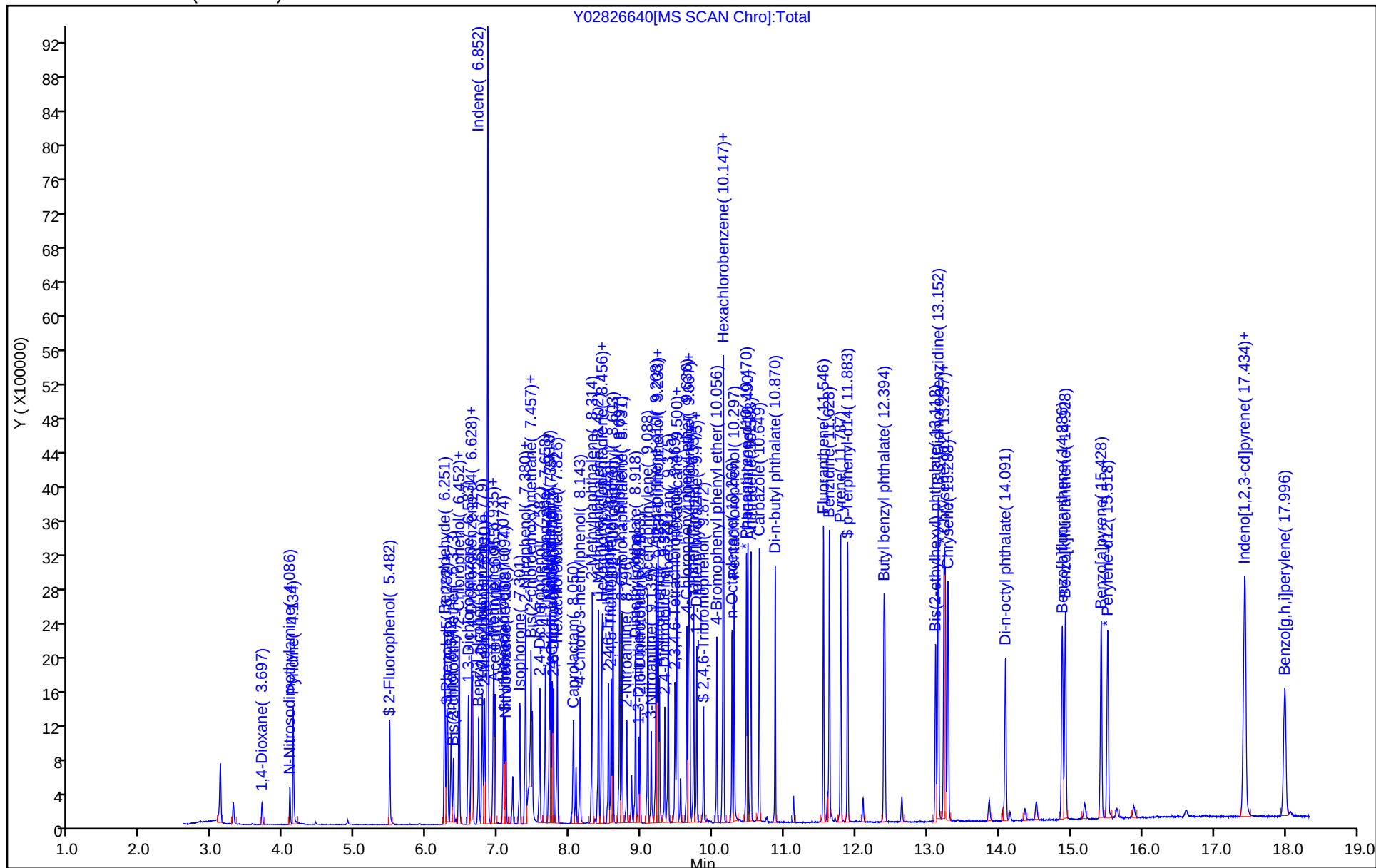
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



11/16/2021

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

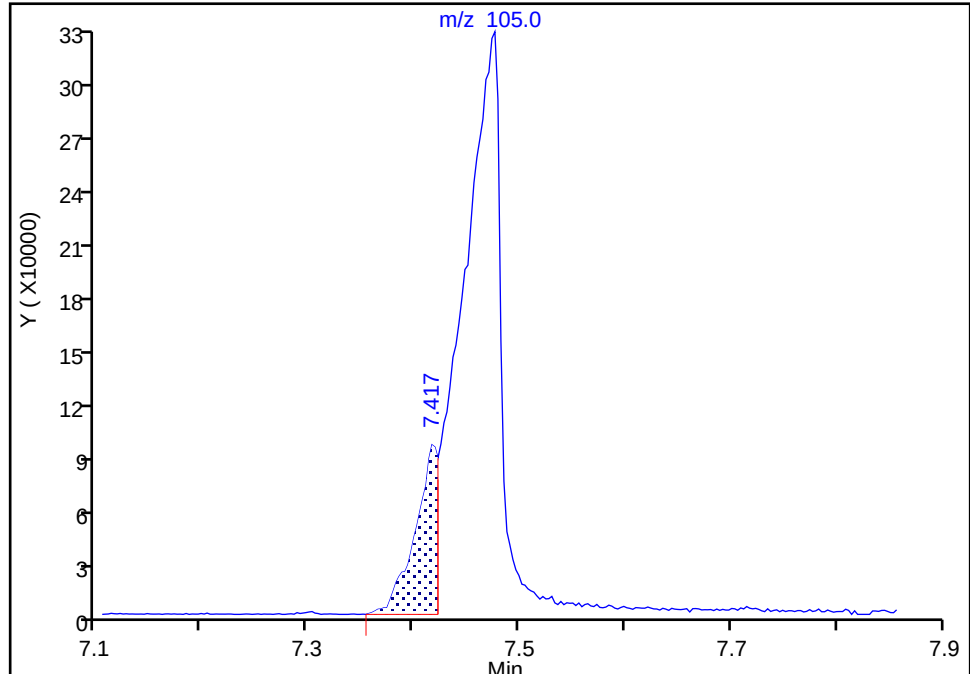
MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

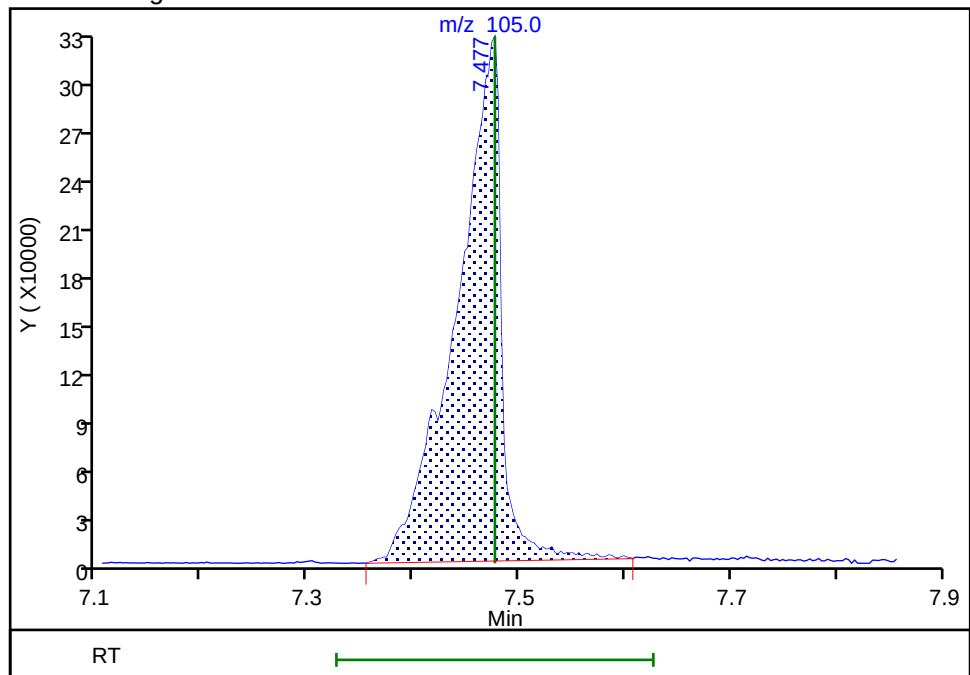
RT: 7.42
Area: 142398
Amount: 11.158632
Amount Units: ng/uL

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

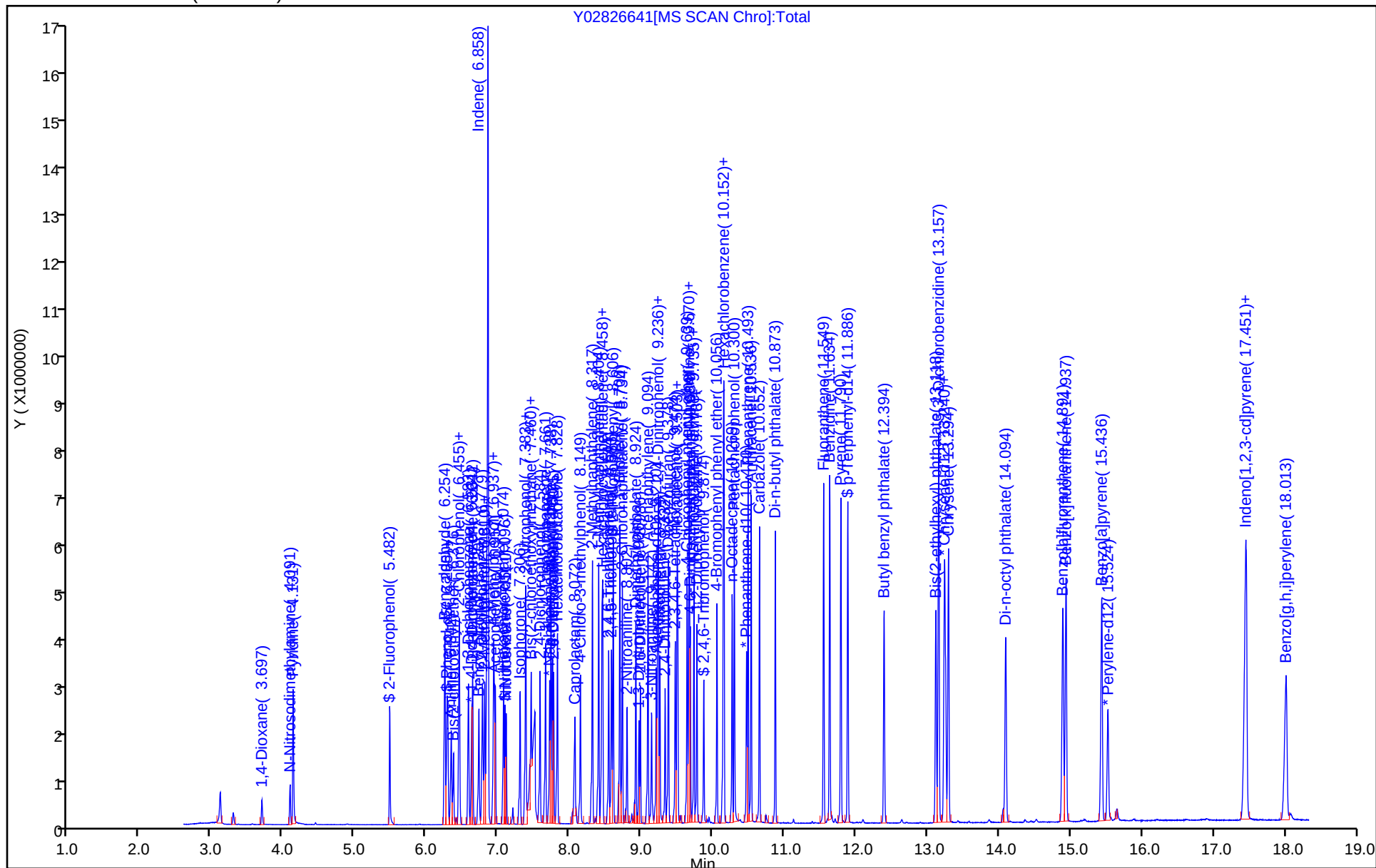
Dil. Factor: 1.0000

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)

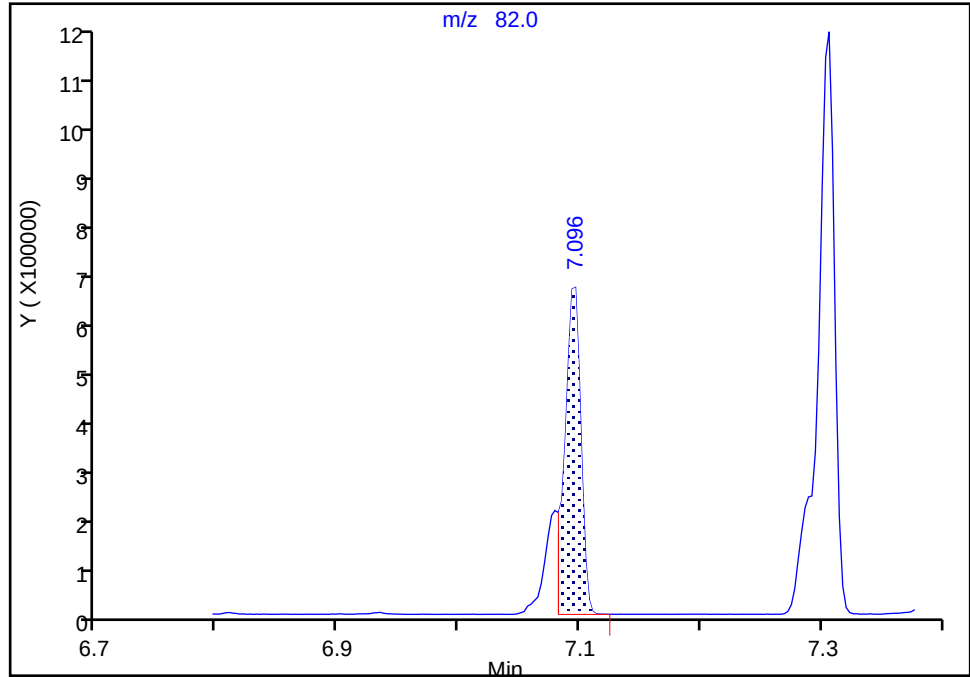
Detector: MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

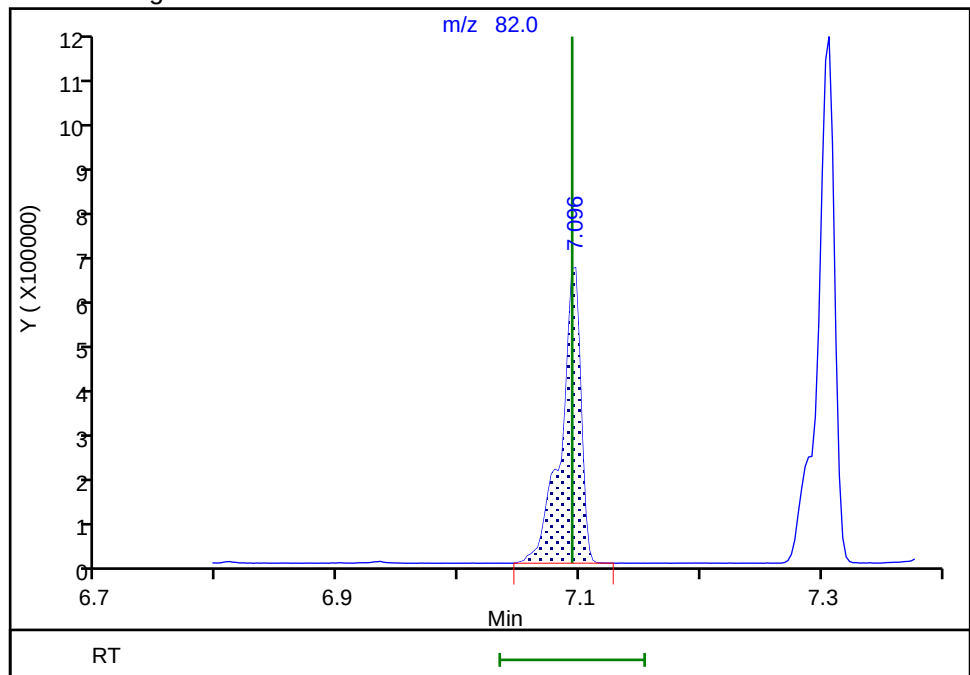
RT: 7.10
Area: 603232
Amount: 7.070909
Amount Units: ng/uL

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)

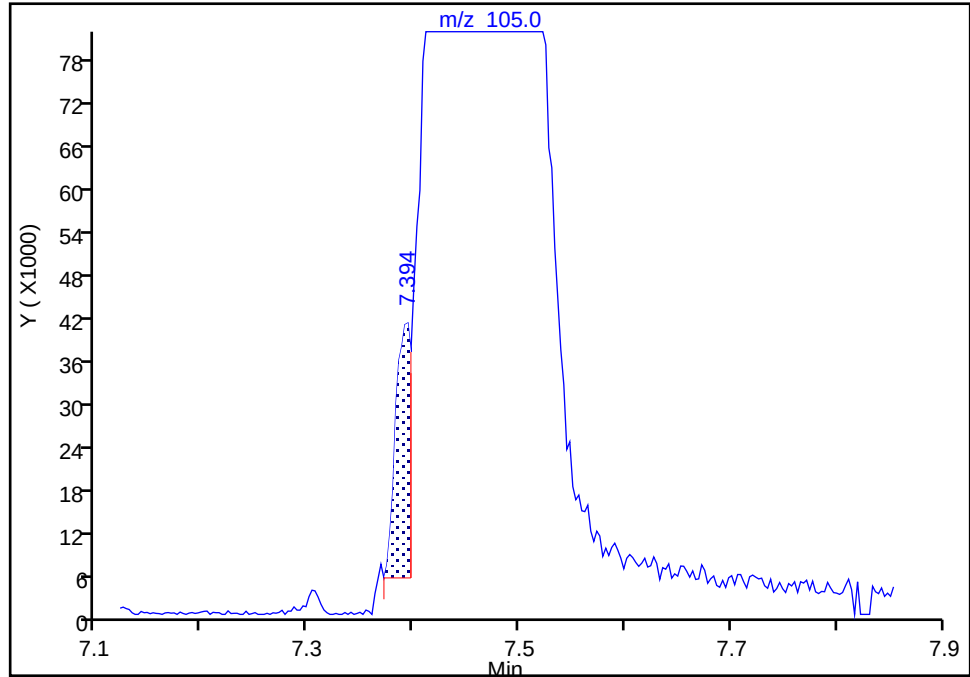
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

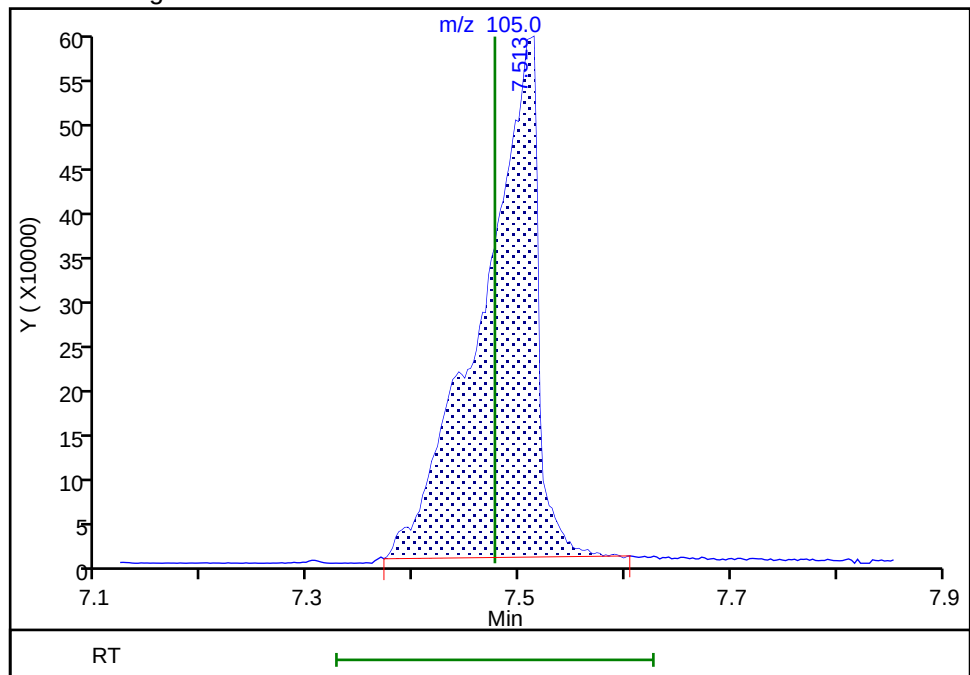
RT: 7.39
Area: 35914
Amount: -0.169071
Amount Units: ng/uL

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

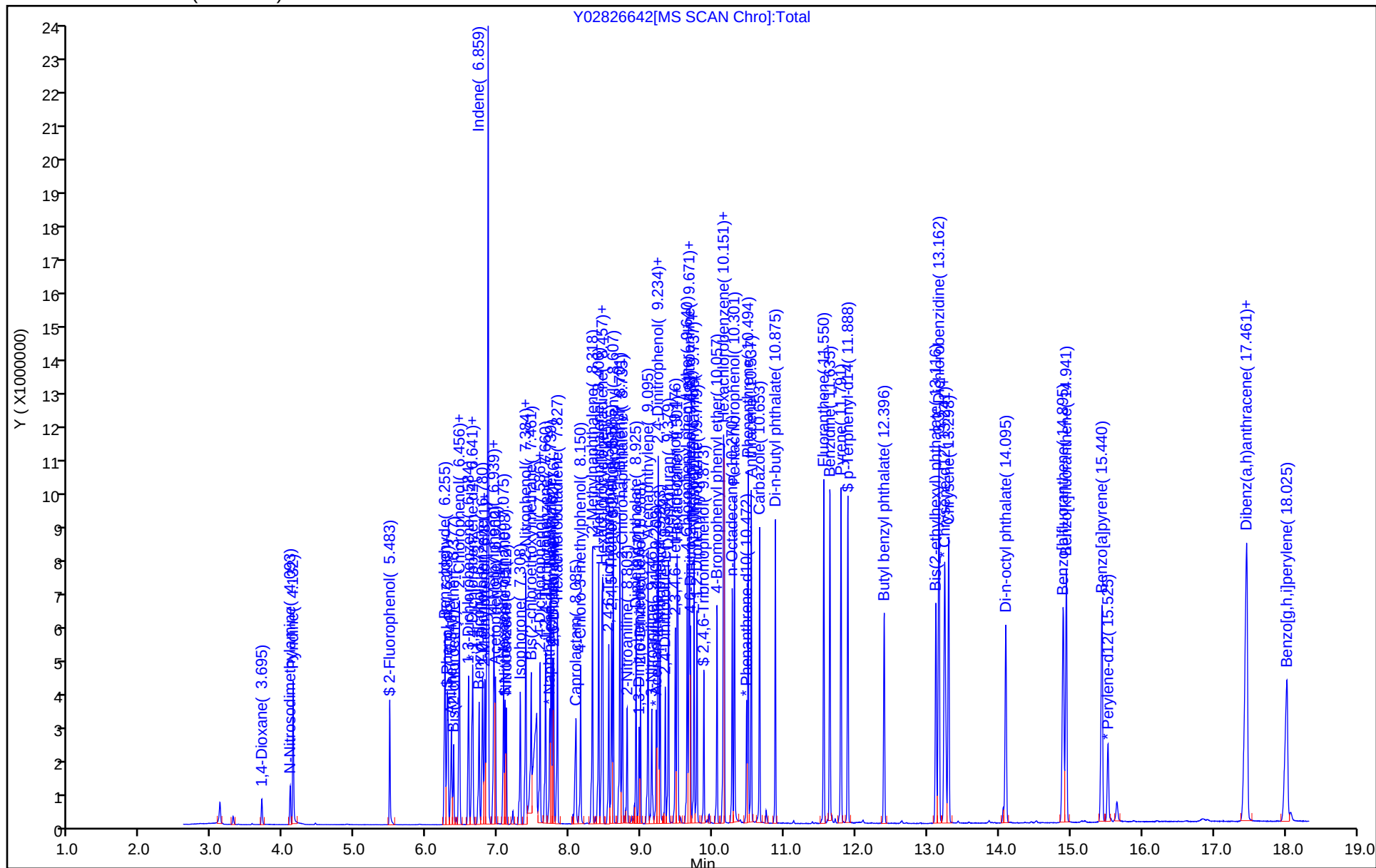
Dil. Factor: 1.0000

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

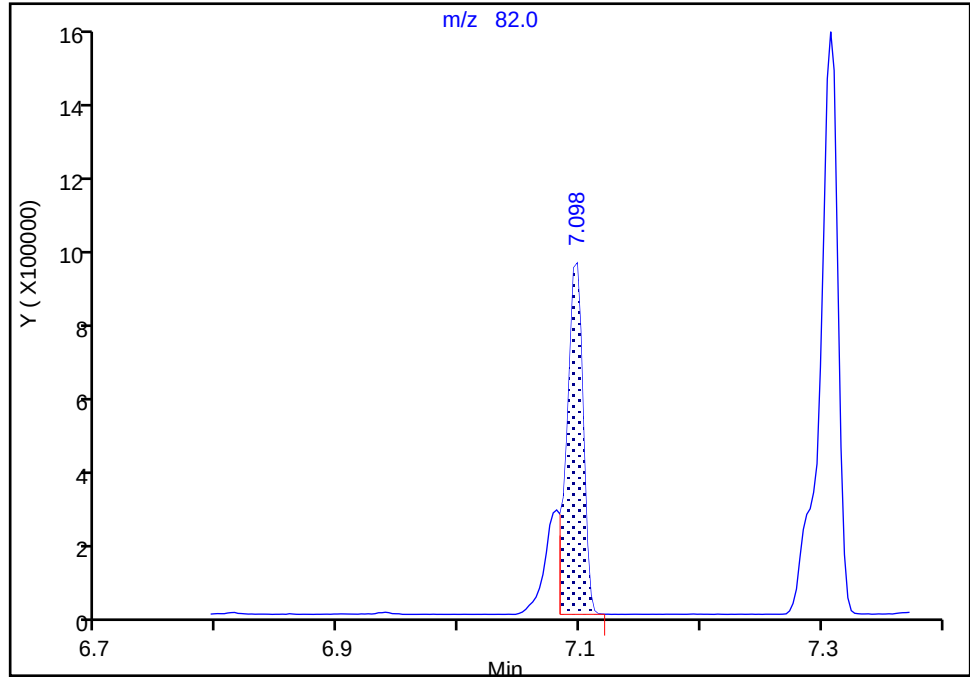
MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

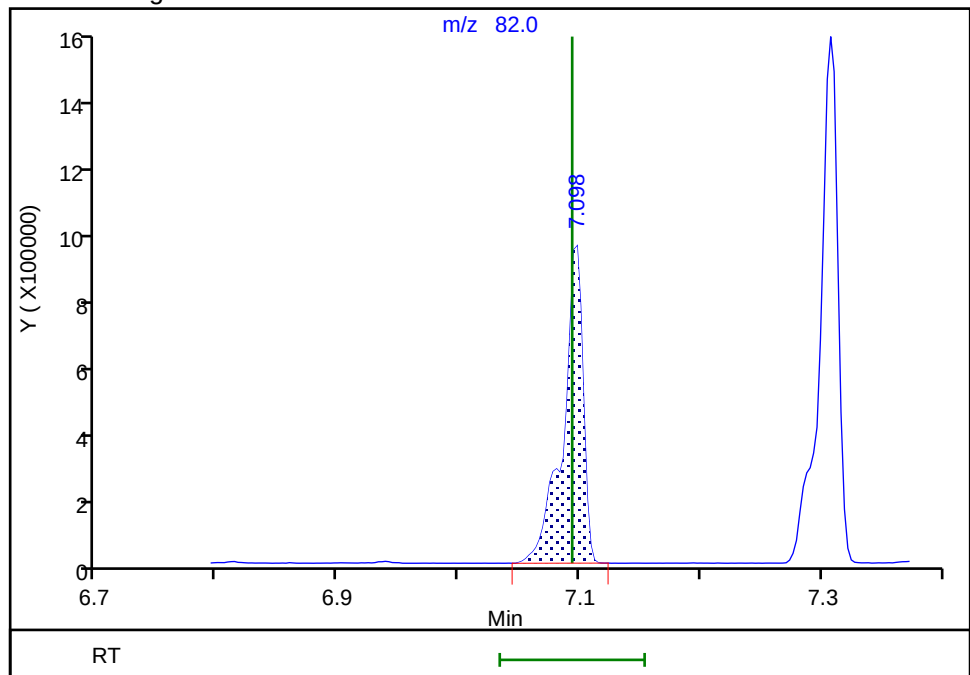
RT: 7.10
Area: 881142
Amount: 10.179542
Amount Units: ng/uL

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)

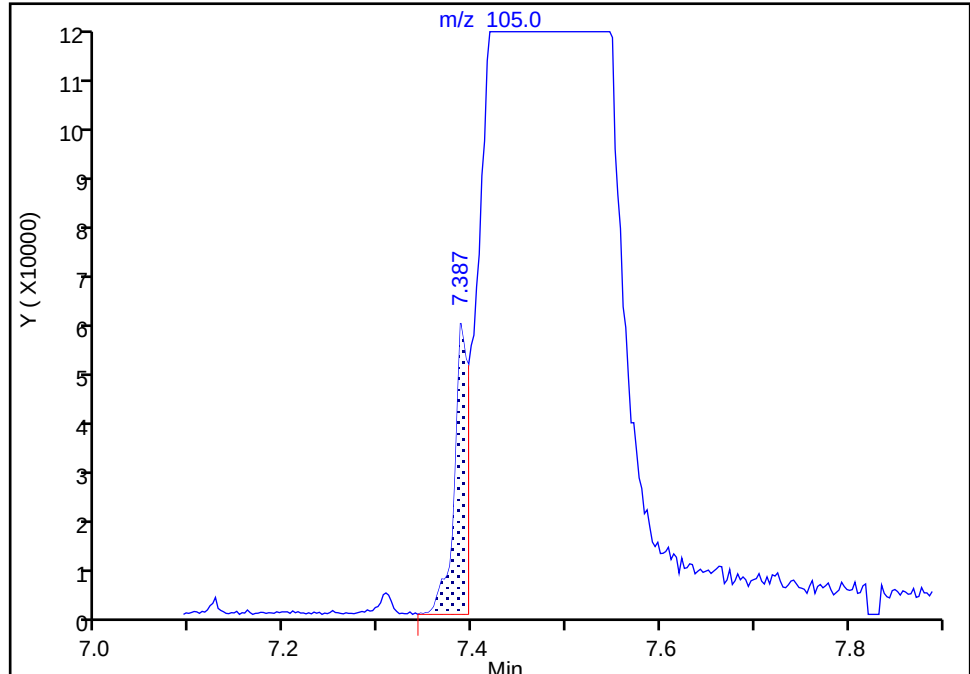
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

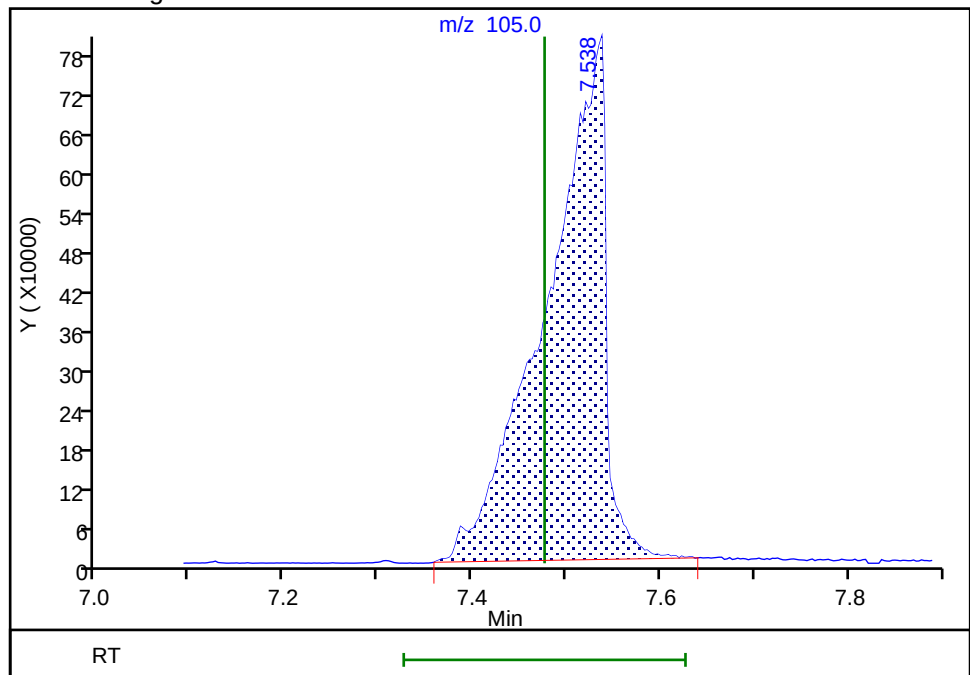
RT: 7.39
Area: 56806
Amount: 2.057795
Amount Units: ng/uL

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

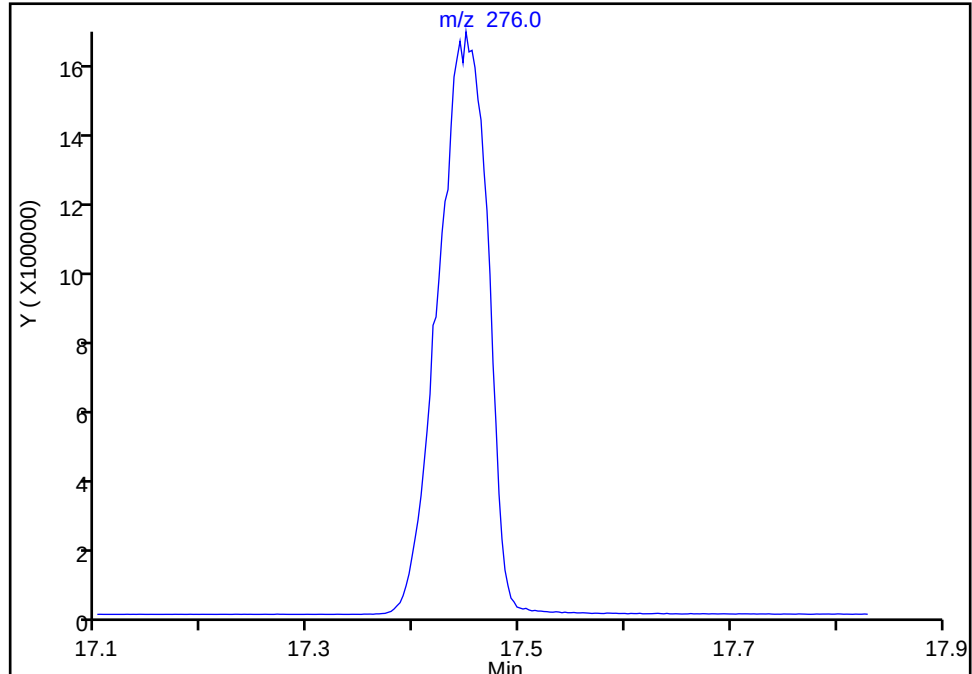
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

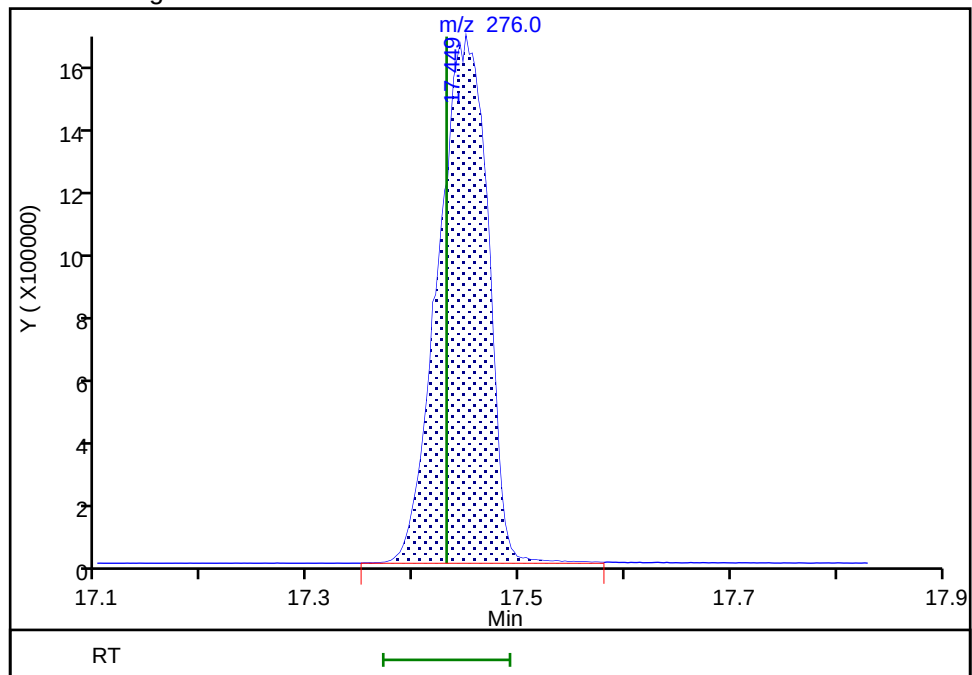
Not Detected

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

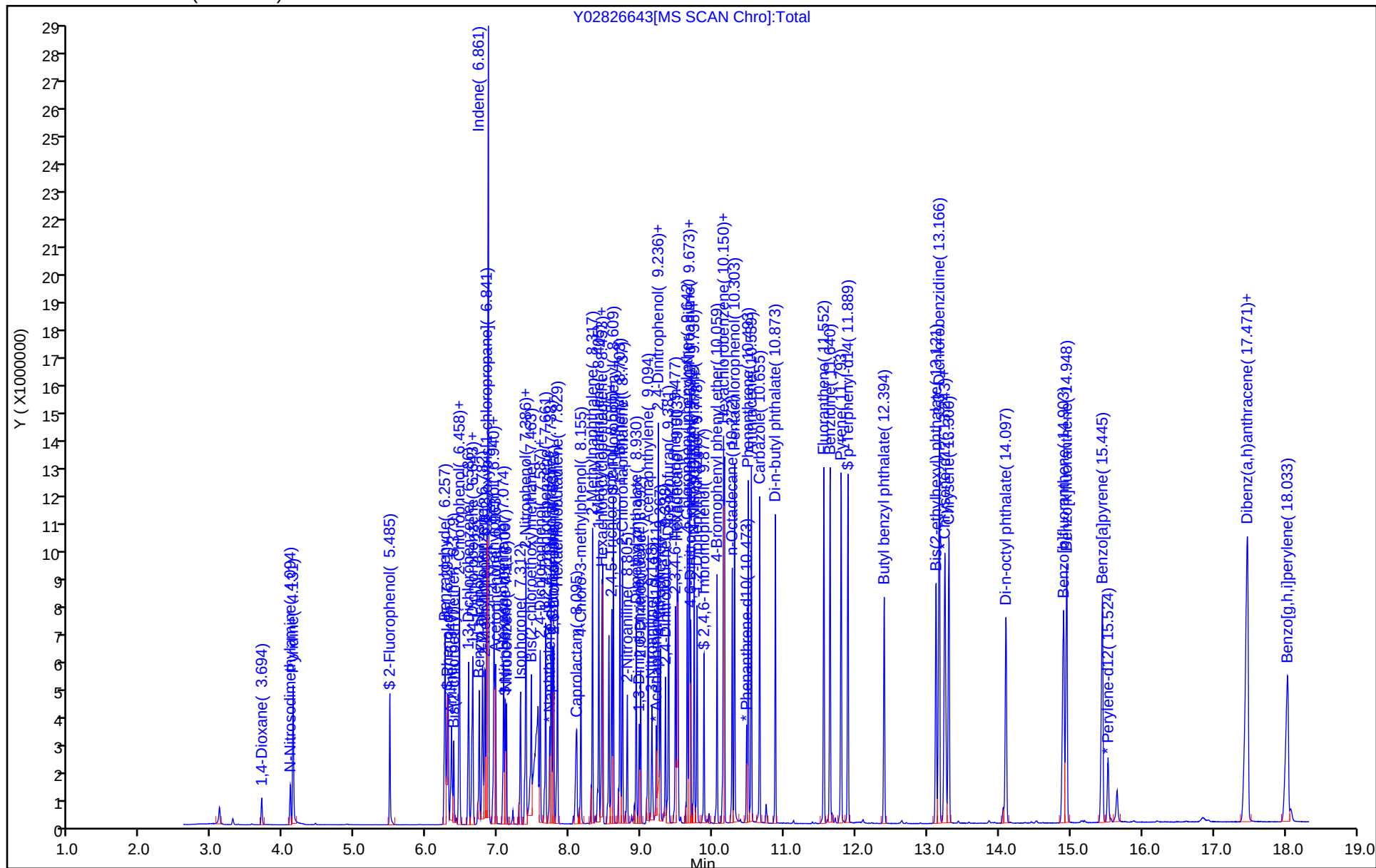
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



11/16/2021

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

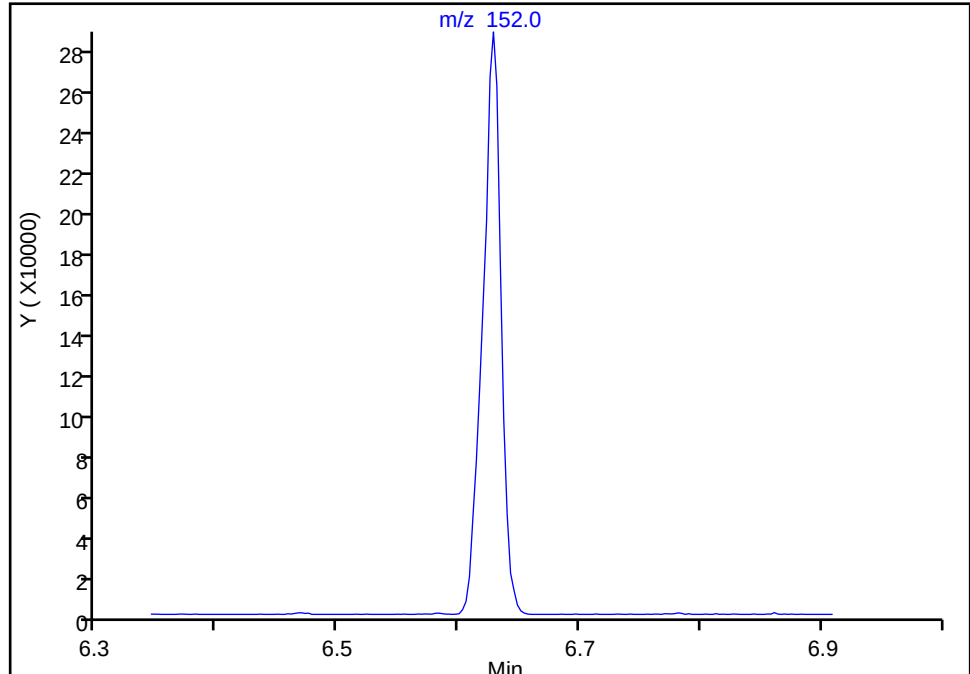
* 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

Not Detected

Expected RT: 6.63

Processing Integration Results



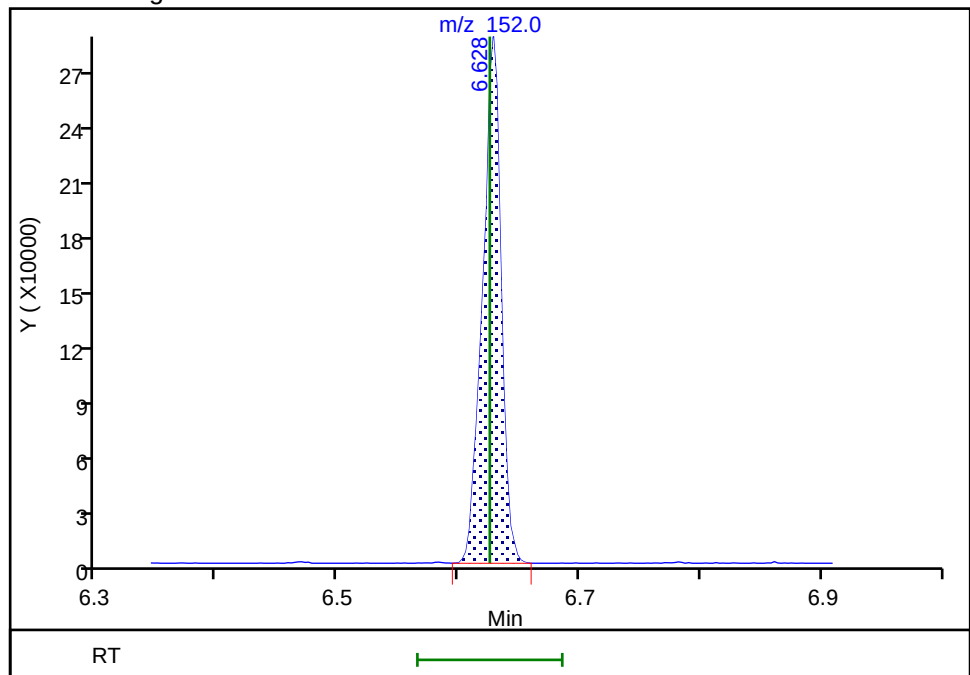
RT: 6.63

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

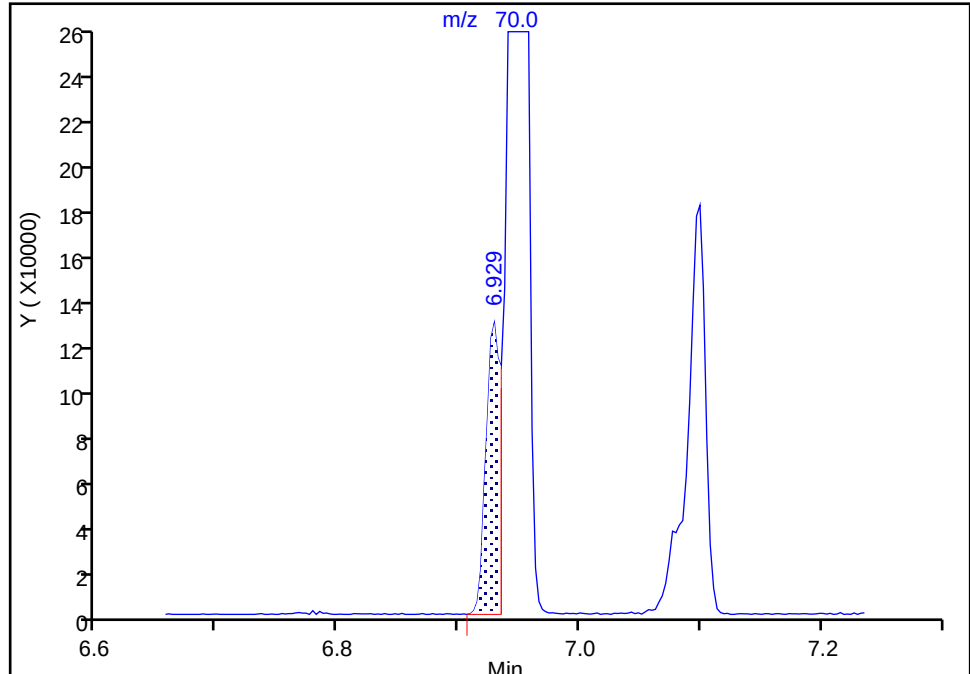
MS SCAN

53 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

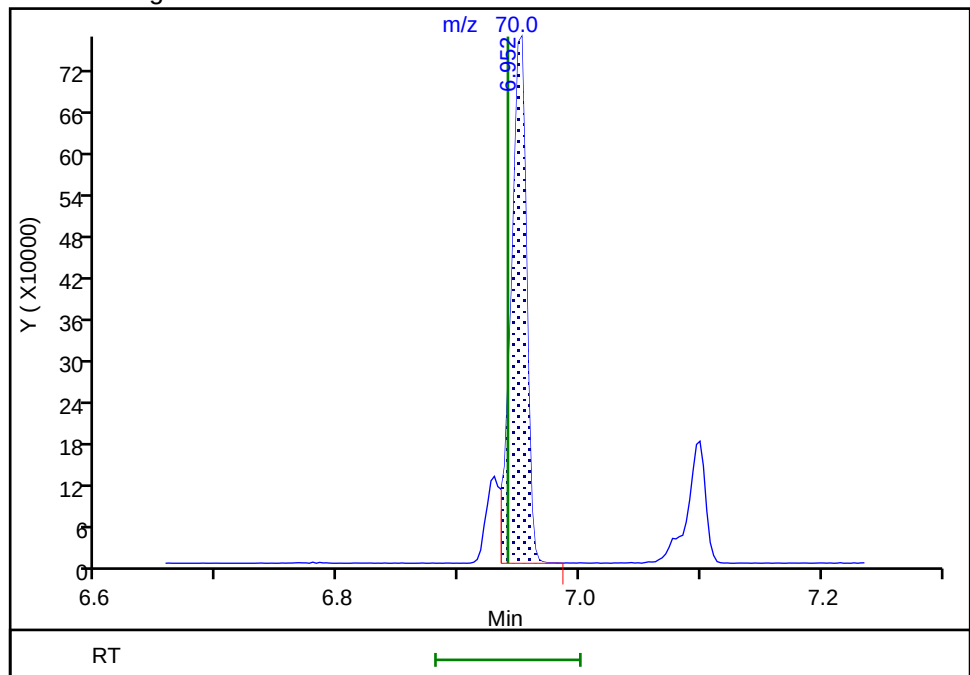
RT: 6.93
Area: 107349
Amount: 2.698951
Amount Units: ng/uL

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)

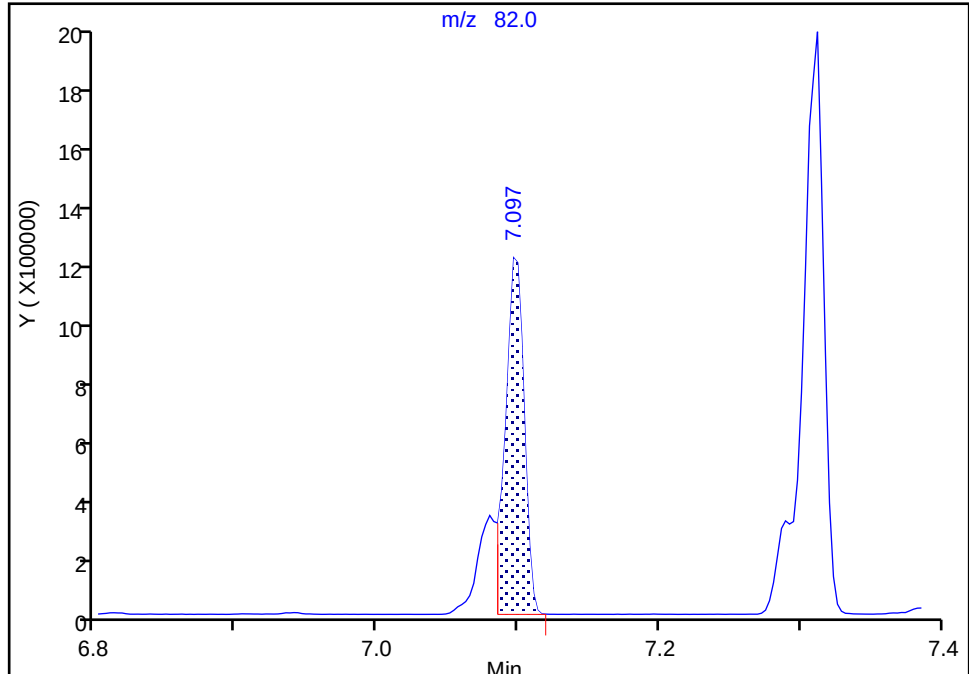
Detector: MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

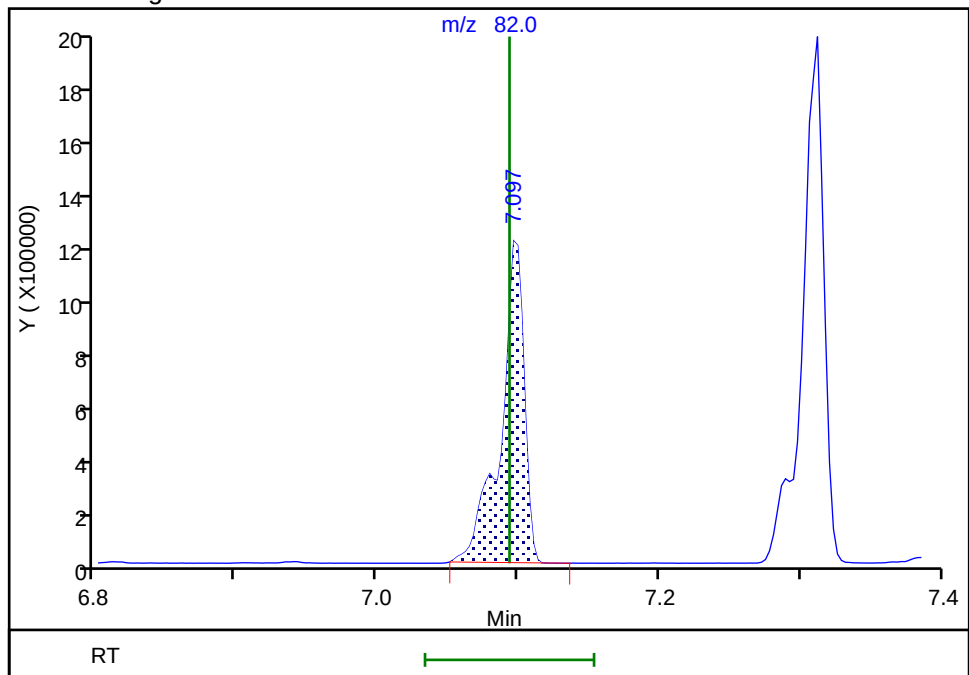
RT: 7.10
Area: 1120861
Amount: 13.239791
Amount Units: ng/uL

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

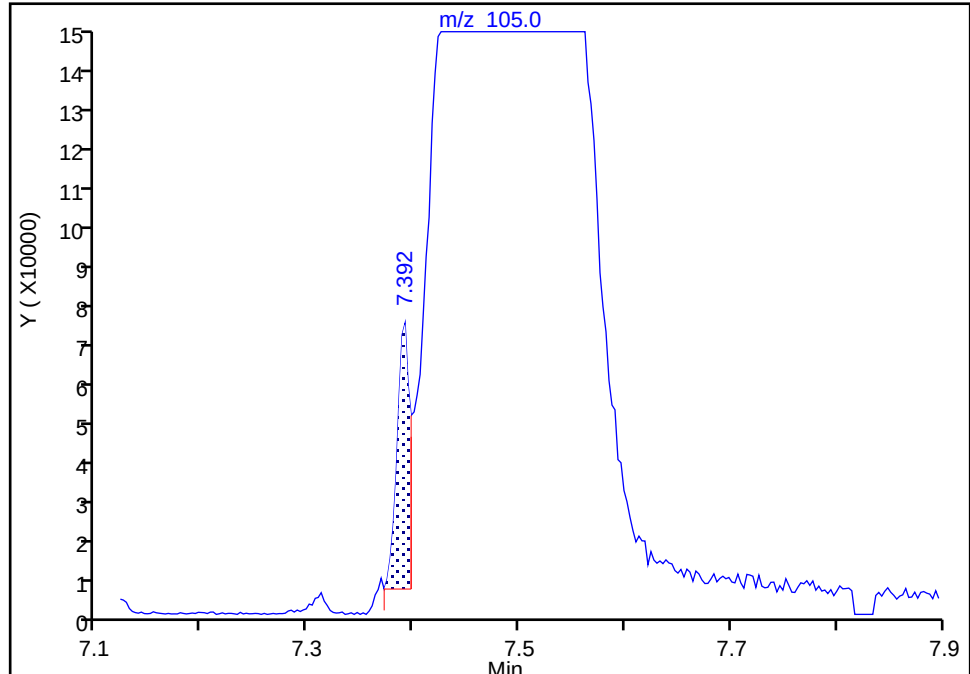
MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

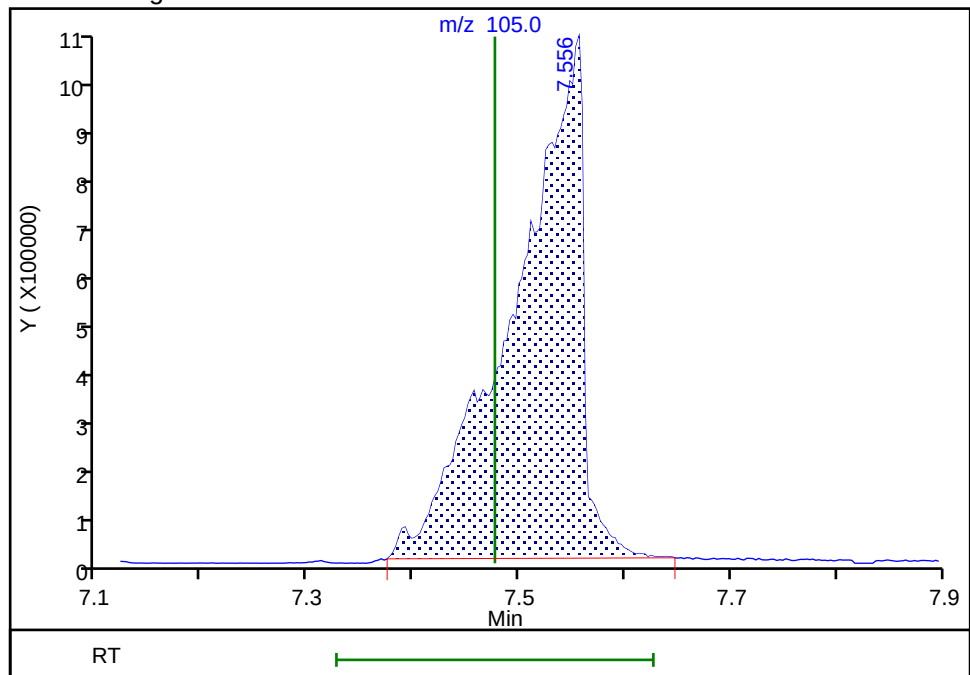
RT: 7.39
Area: 54500
Amount: 2.518222
Amount Units: ng/uL

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

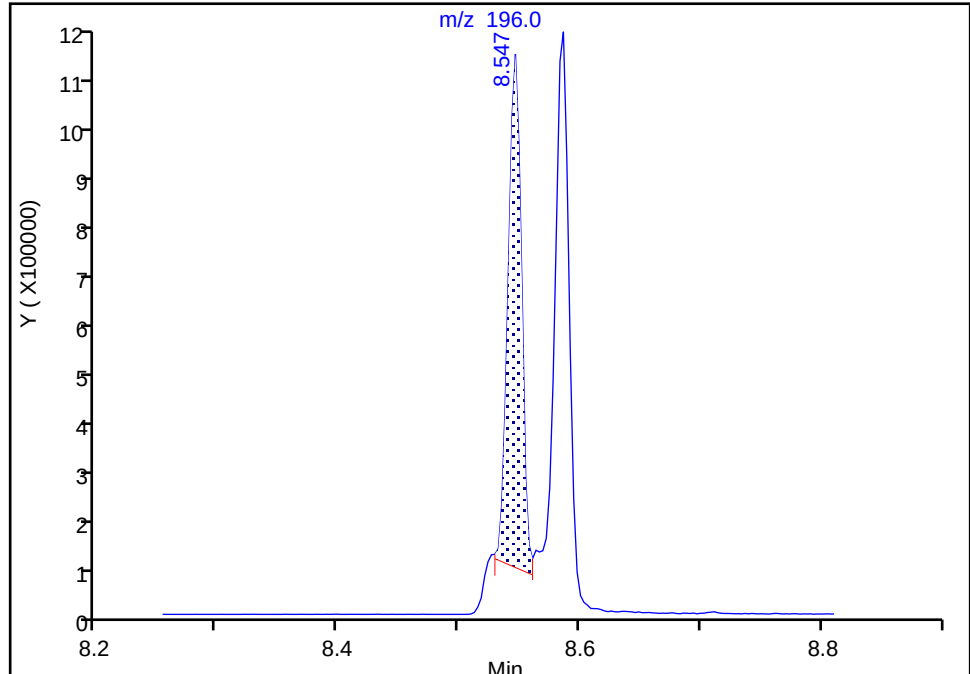
MS SCAN

93 2,4,6-Trichlorophenol, CAS: 88-06-2

Signal: 1

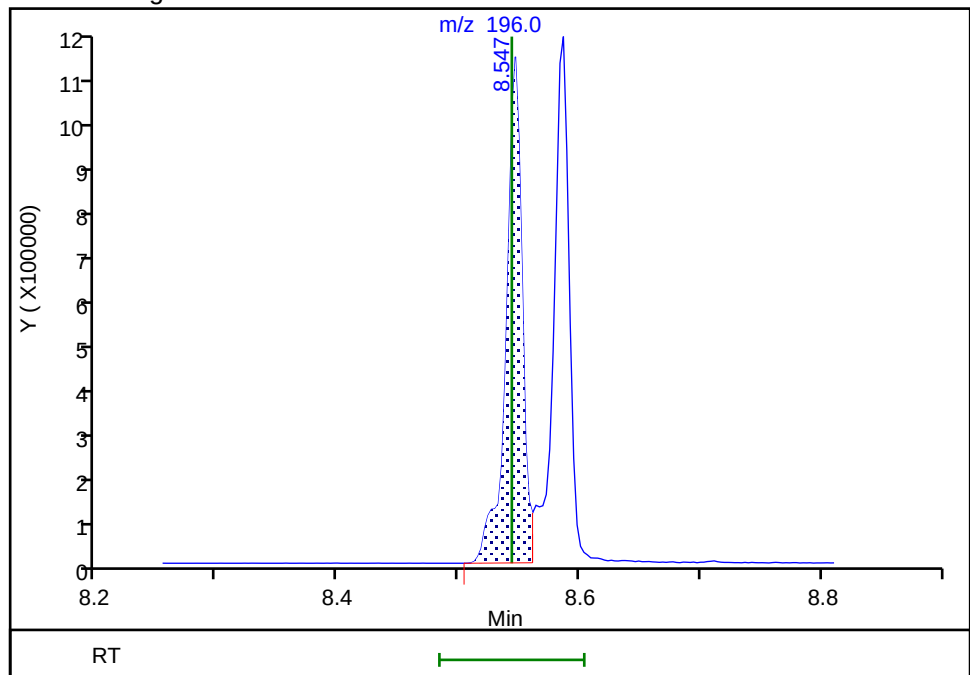
RT: 8.55
Area: 800333
Amount: 12.828163
Amount Units: ng/uL

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

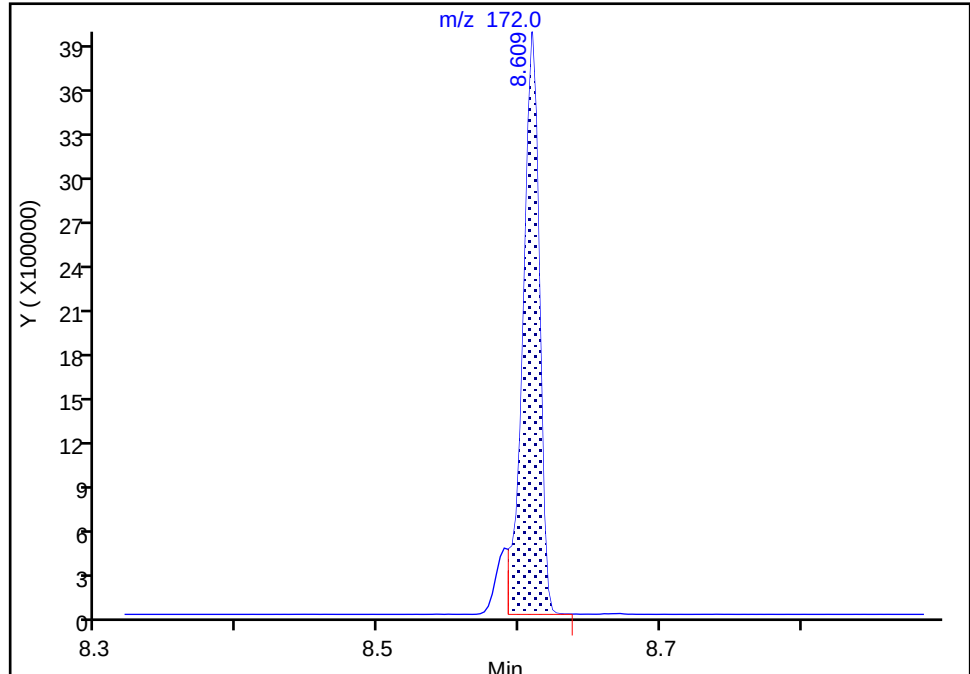
MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

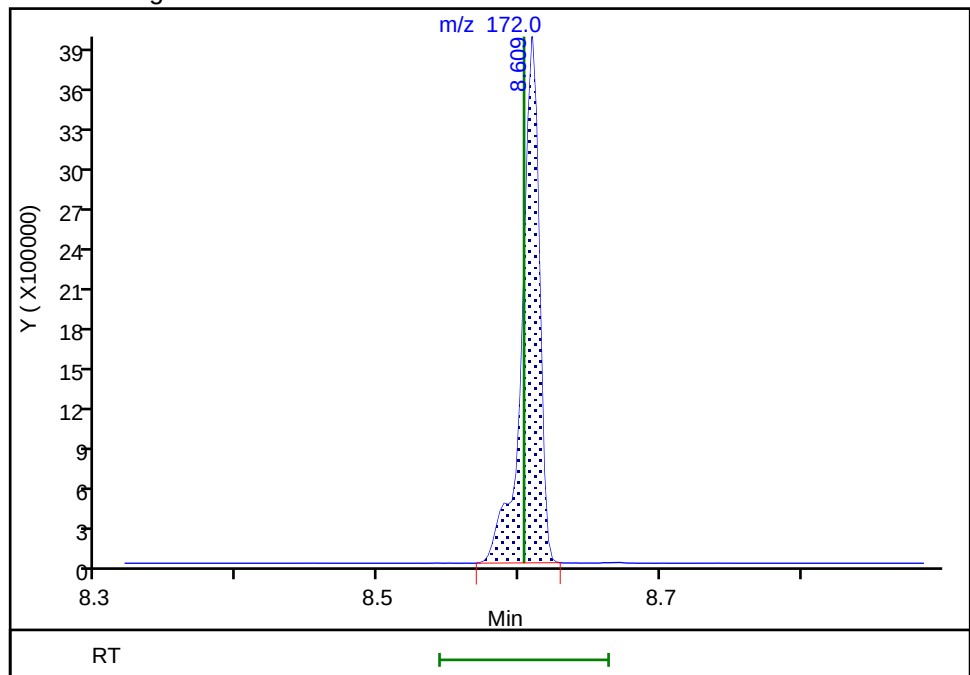
RT: 8.61
Area: 3203967
Amount: 14.643619
Amount Units: ng/uL

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

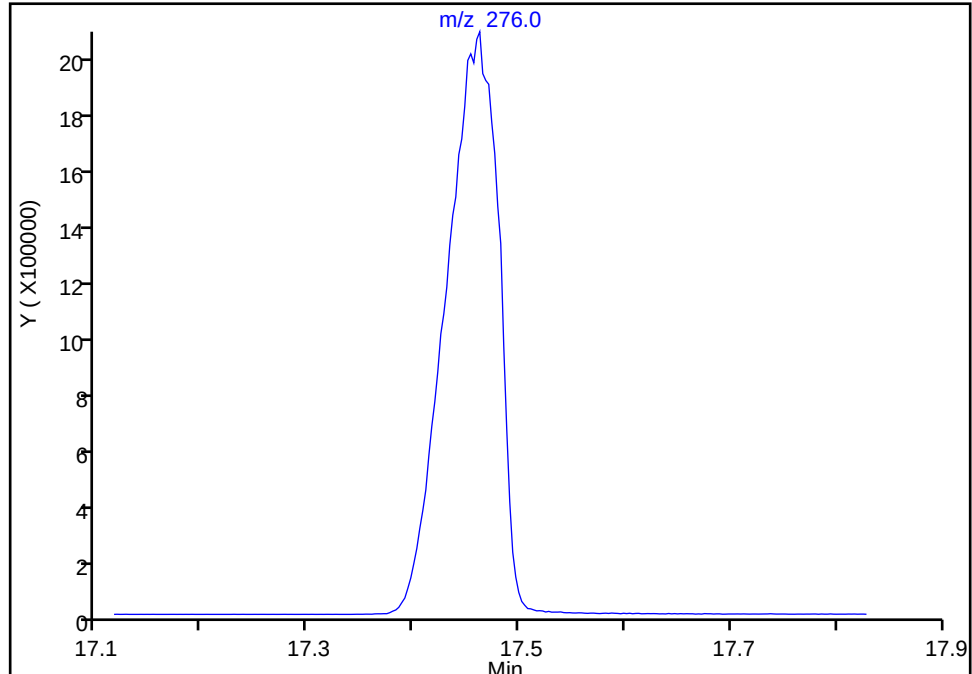
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

Not Detected

Expected RT: 17.43

Processing Integration Results



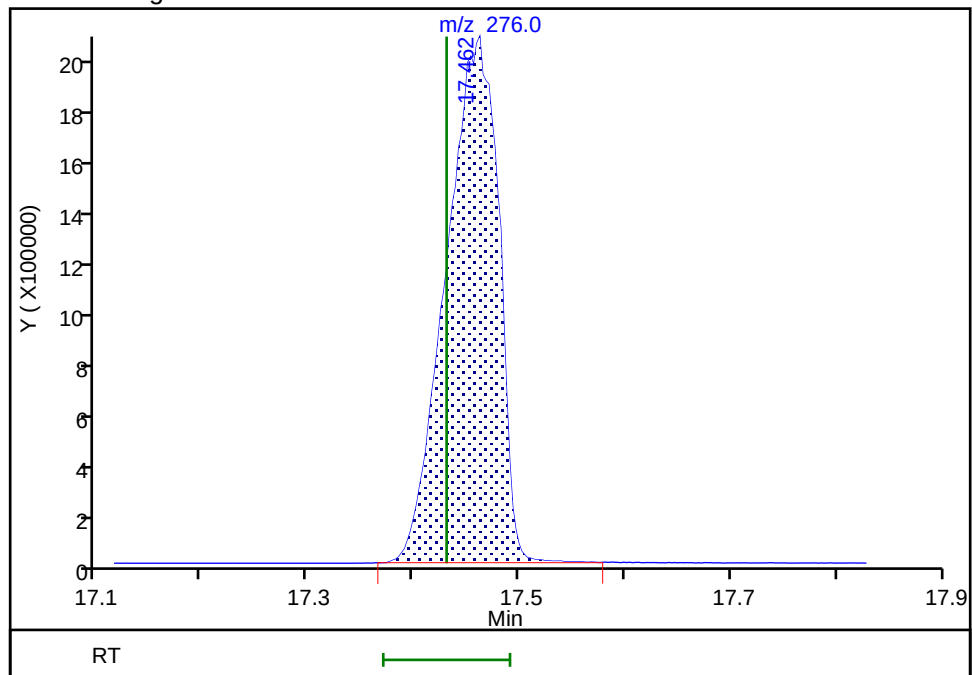
RT: 17.46

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

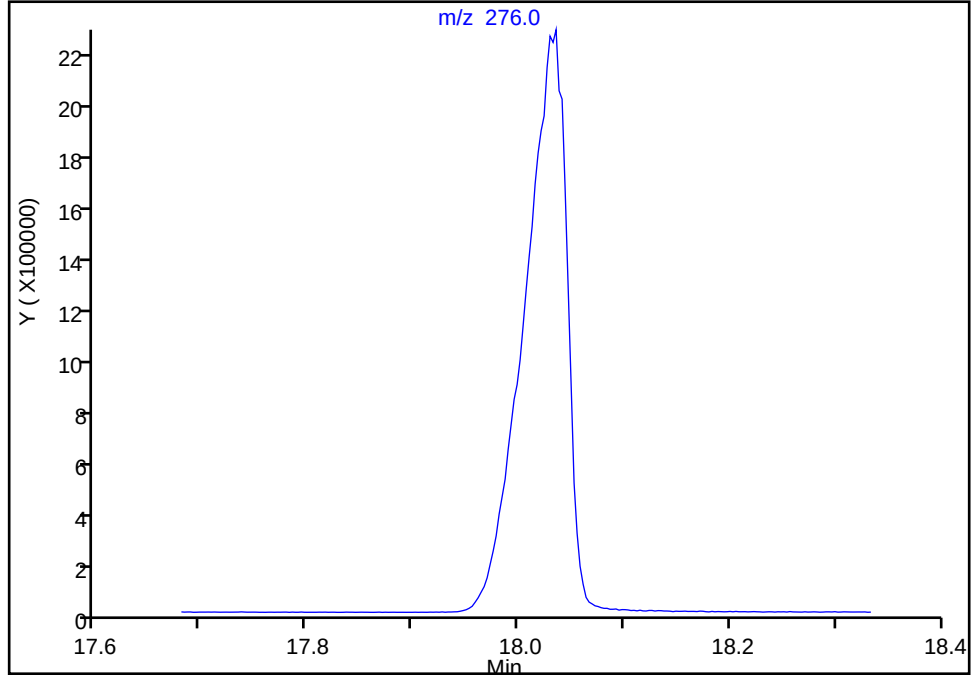
195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

Not Detected

Expected RT: 18.00

Processing Integration Results



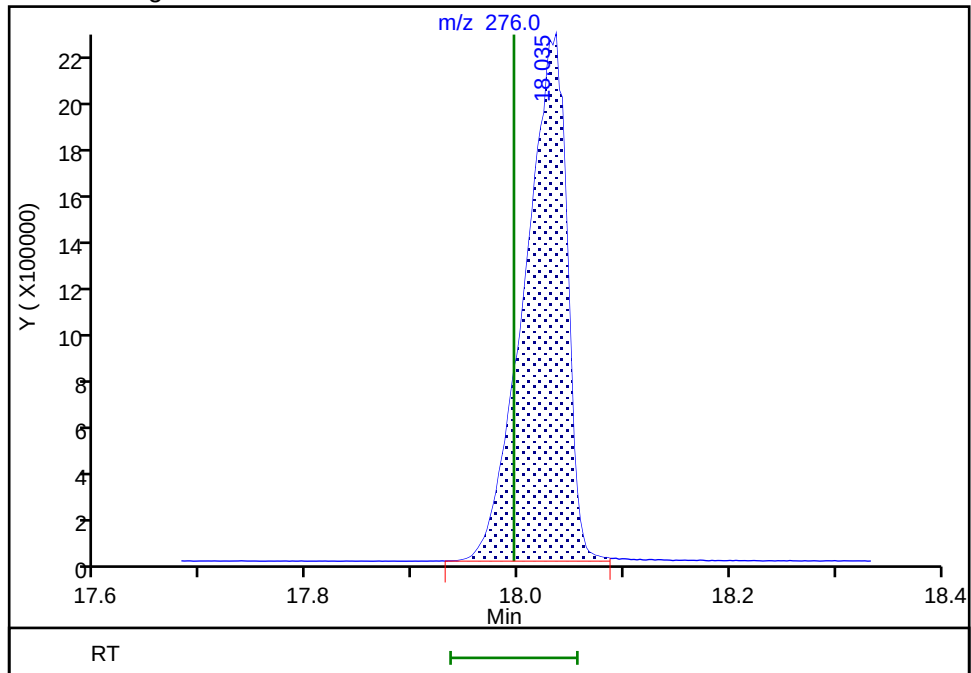
RT: 18.04

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

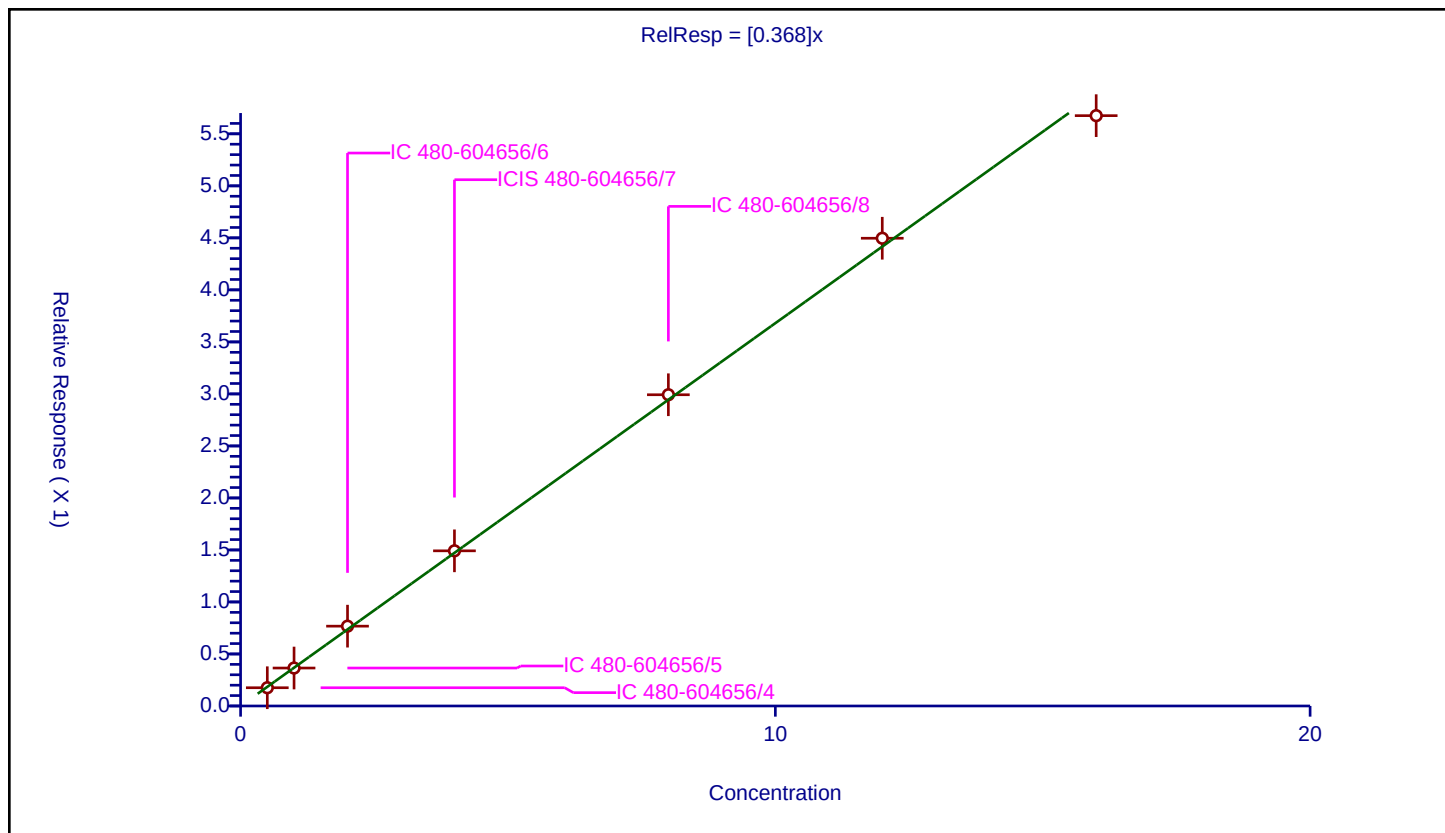
Curve Coefficients

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

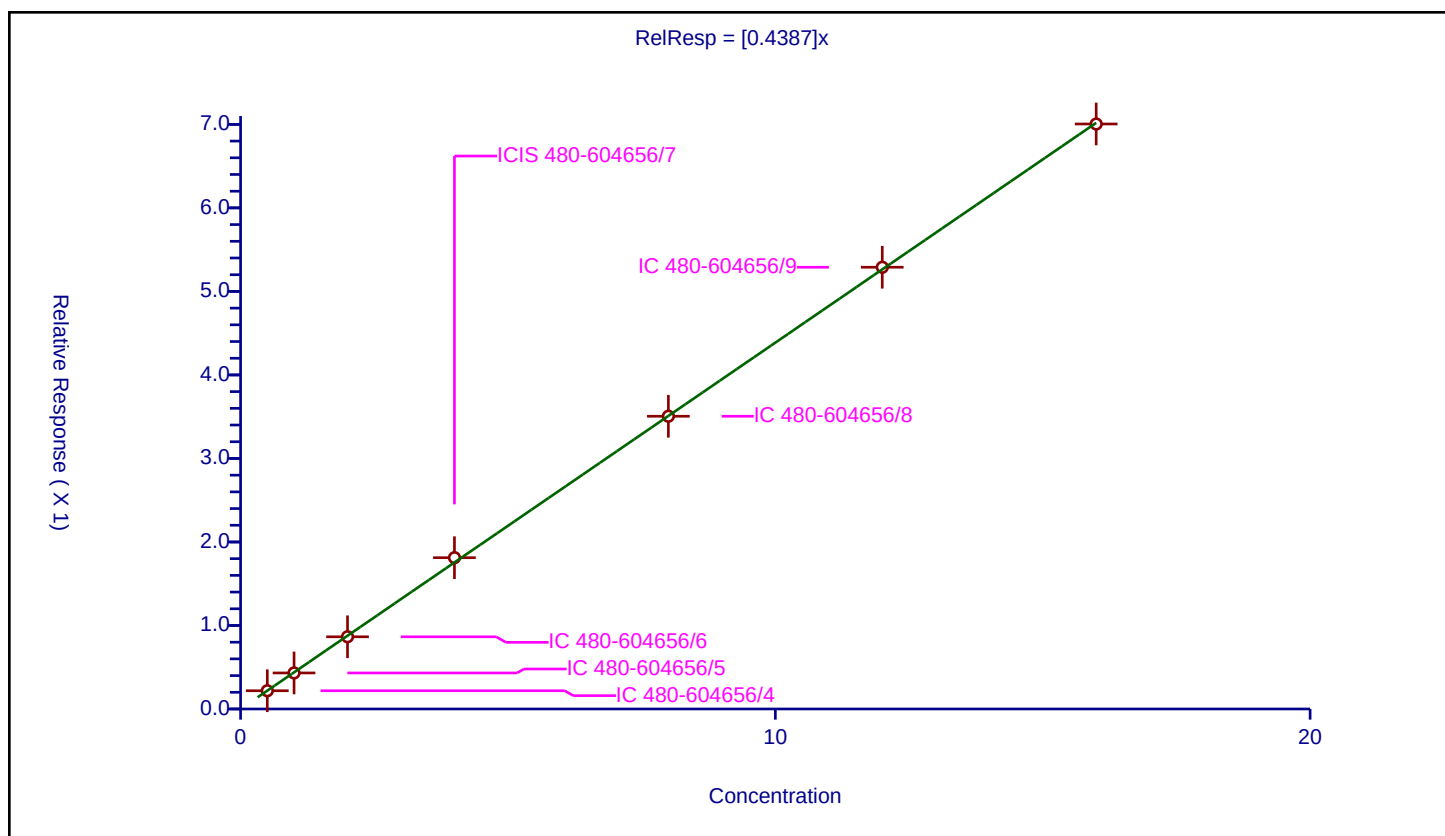
Curve Coefficients

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

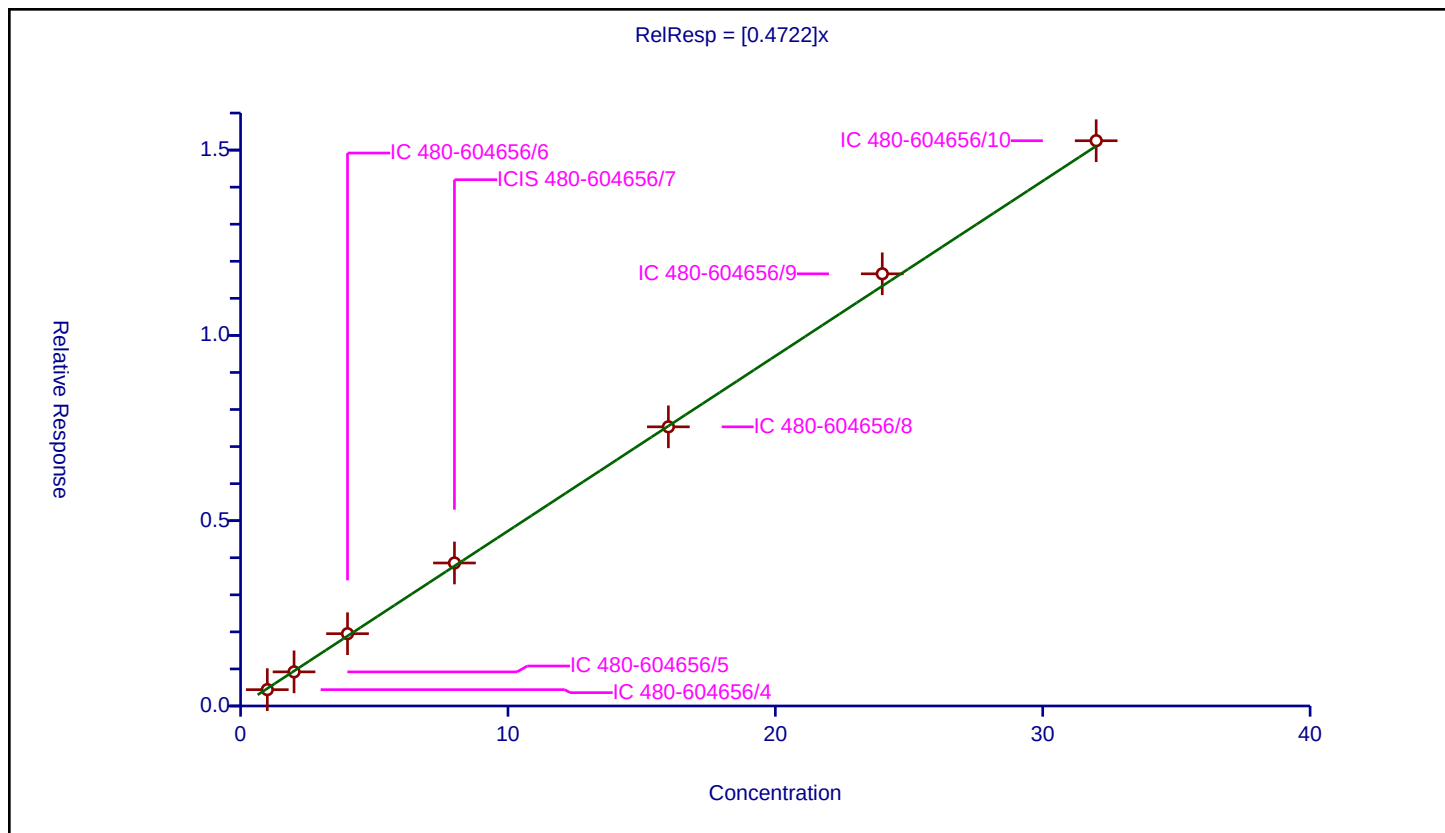
Curve Coefficients

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

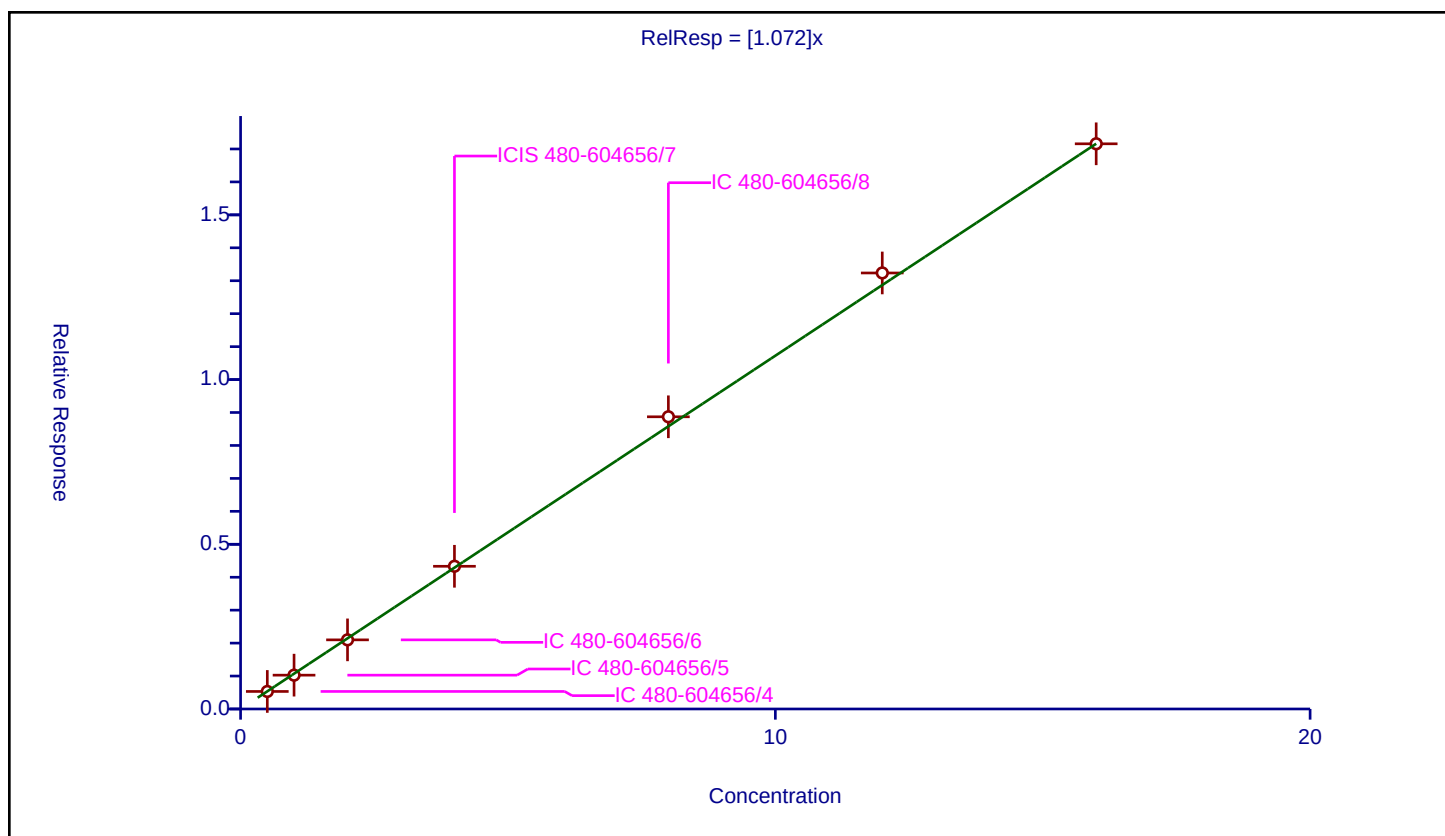
Curve Coefficients

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

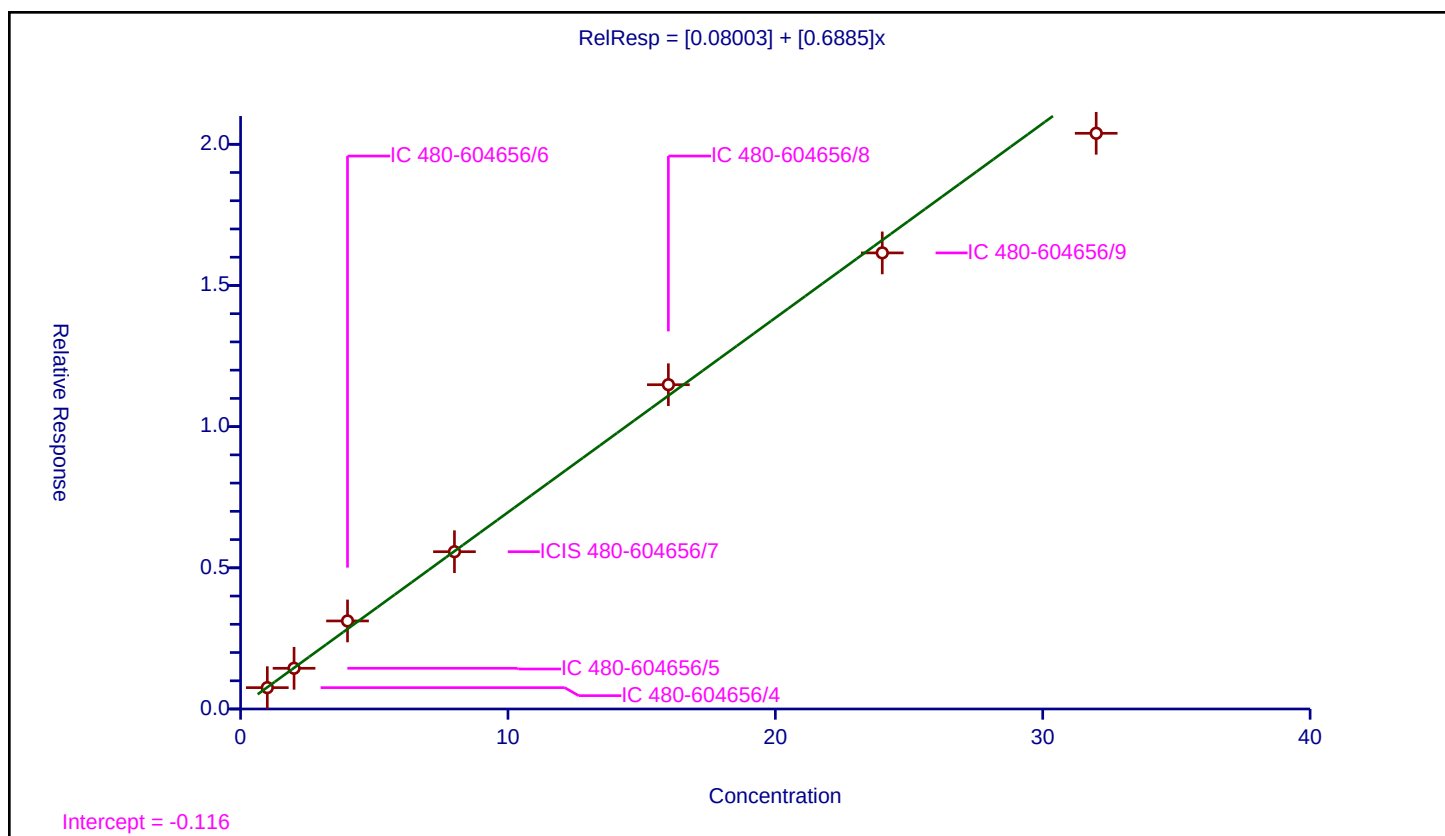
Curve Coefficients

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

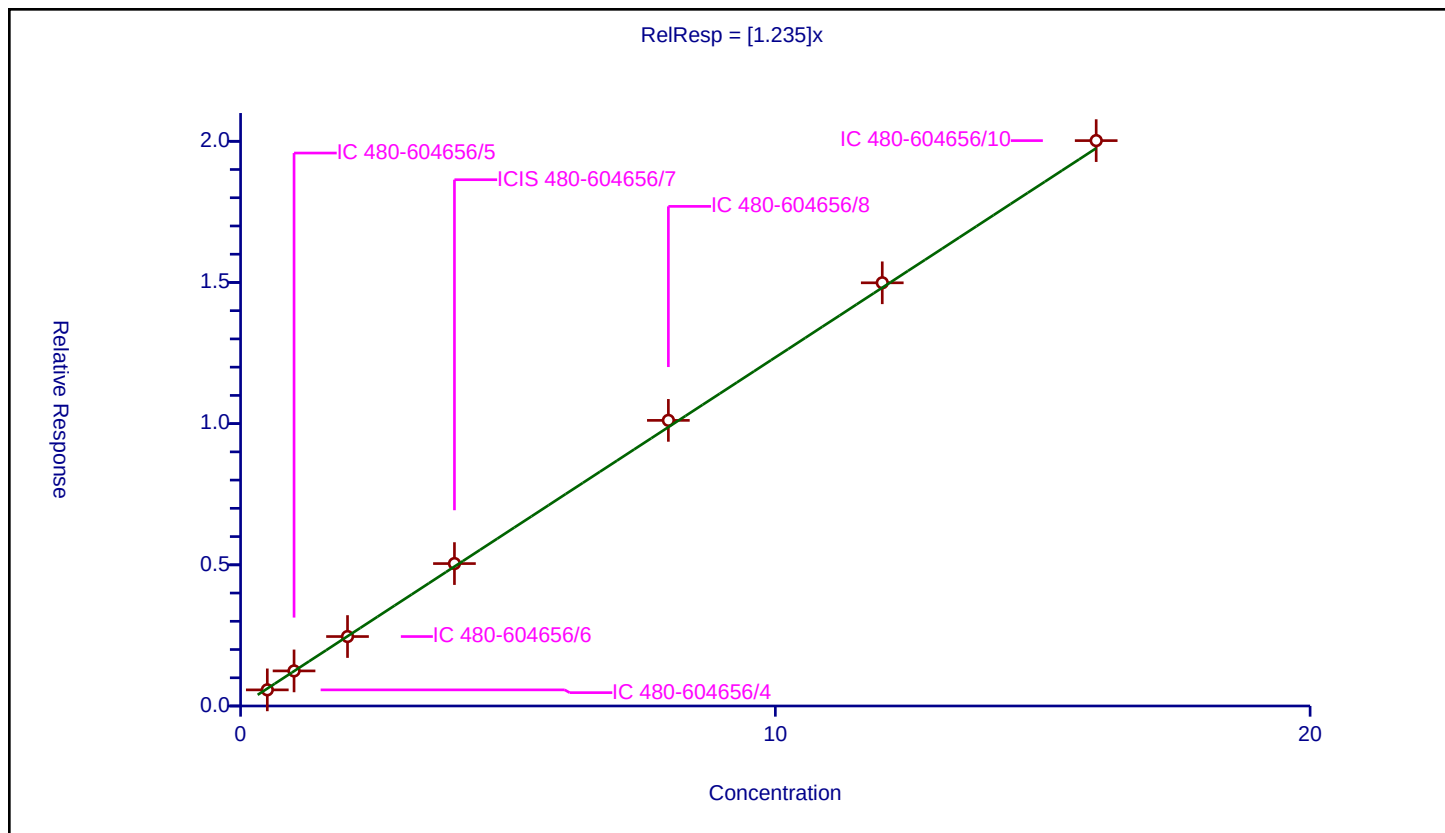
Curve Coefficients

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

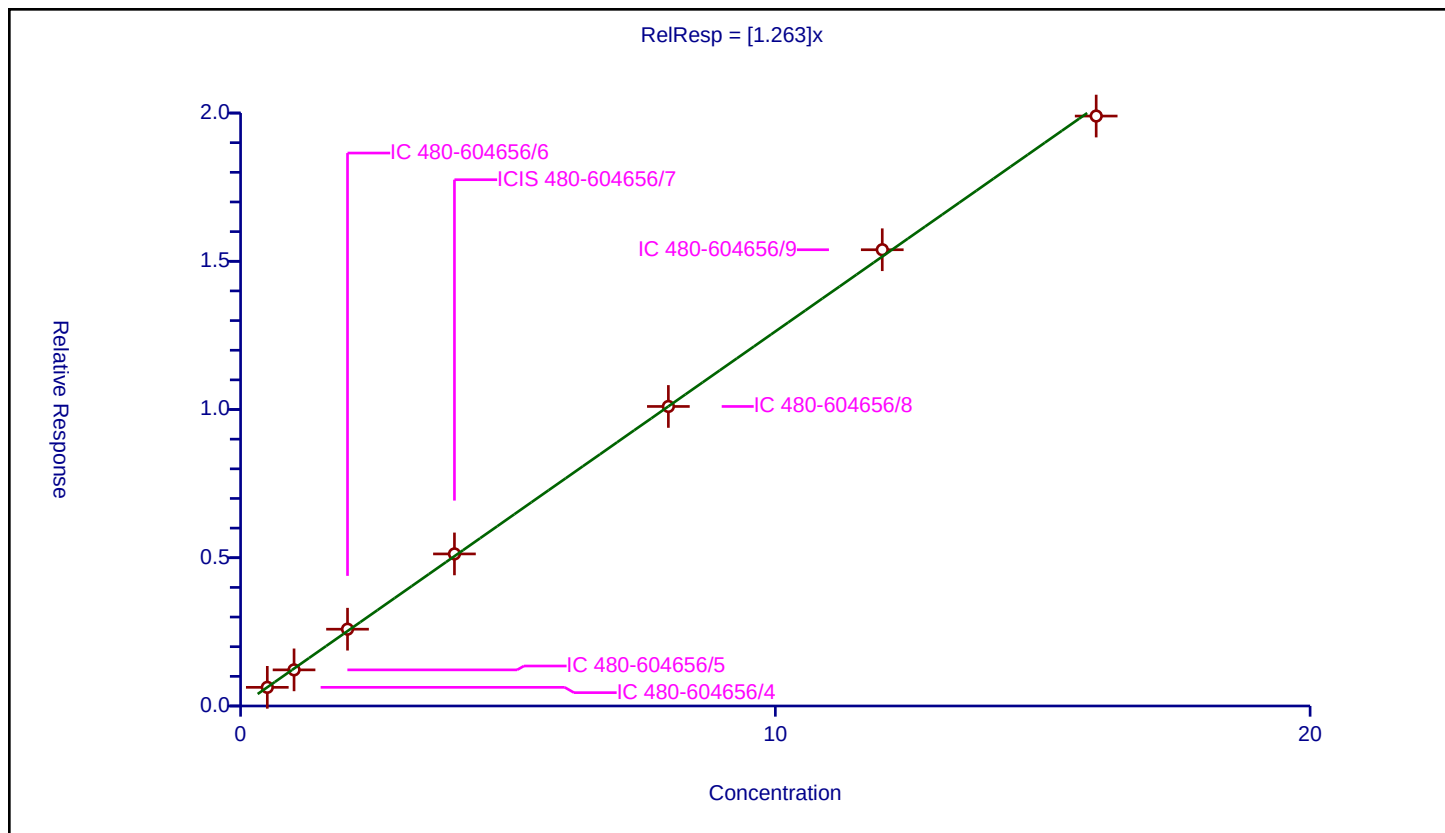
Curve Coefficients

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

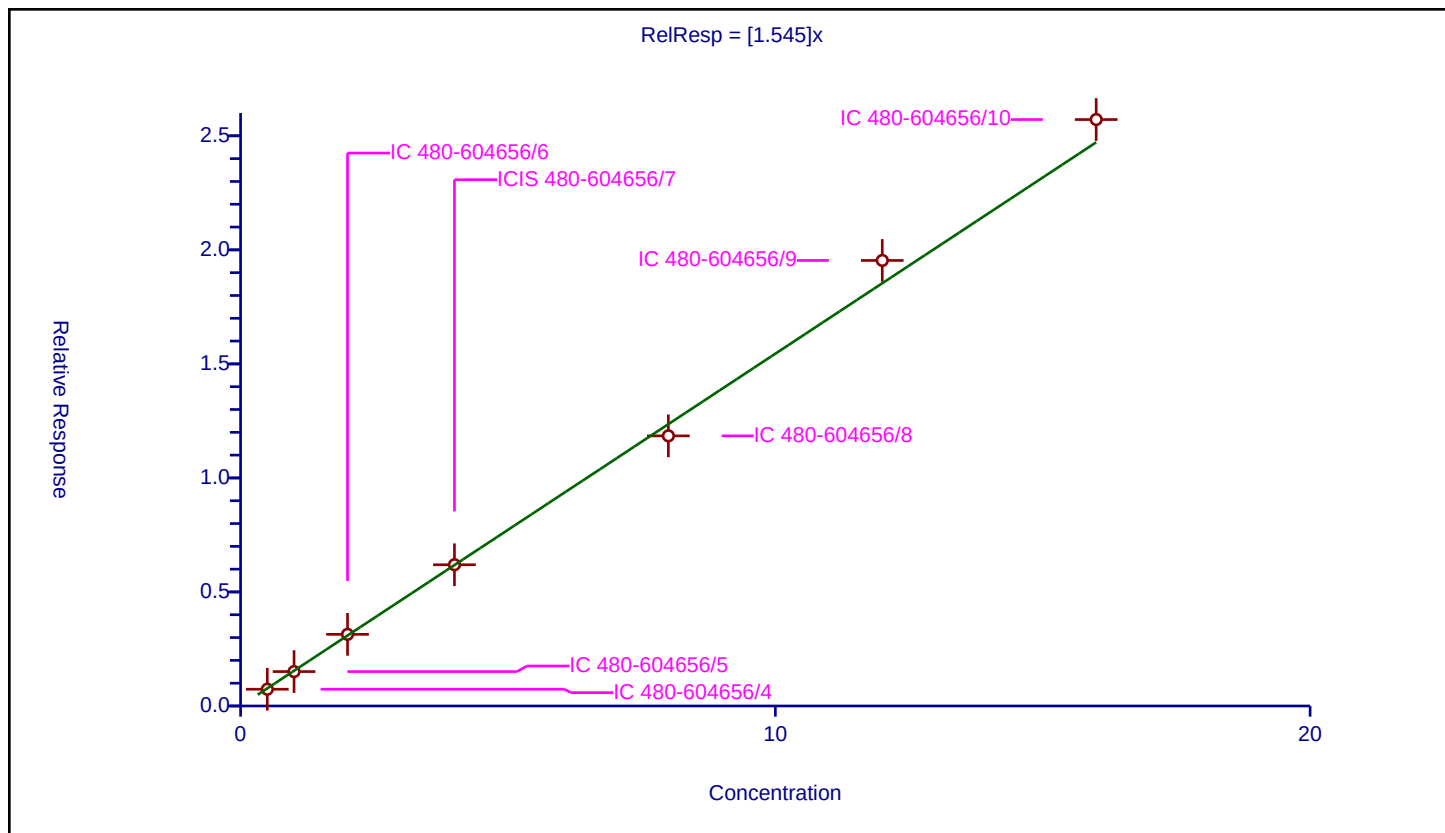
Curve Coefficients

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

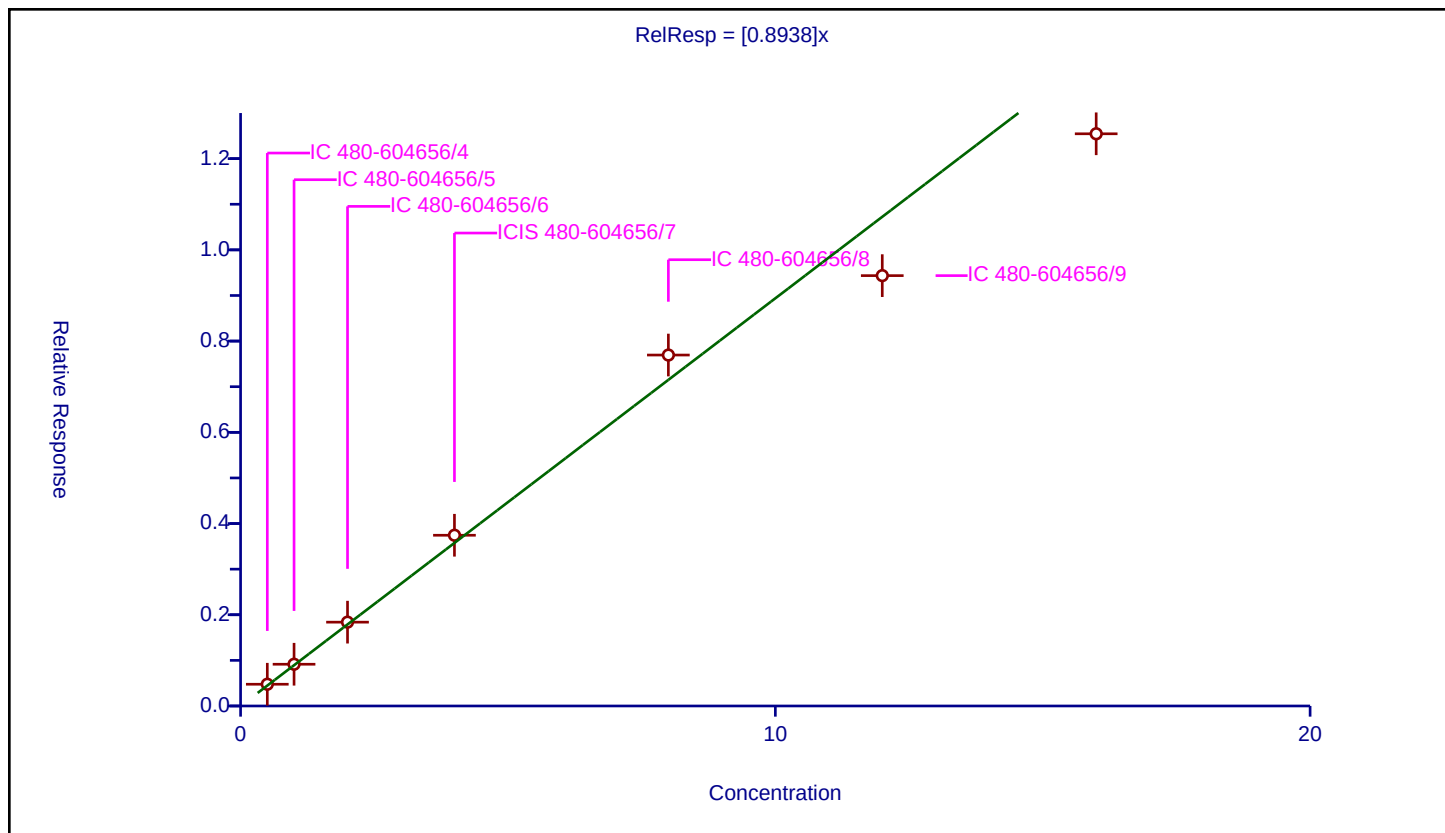
Curve Coefficients

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

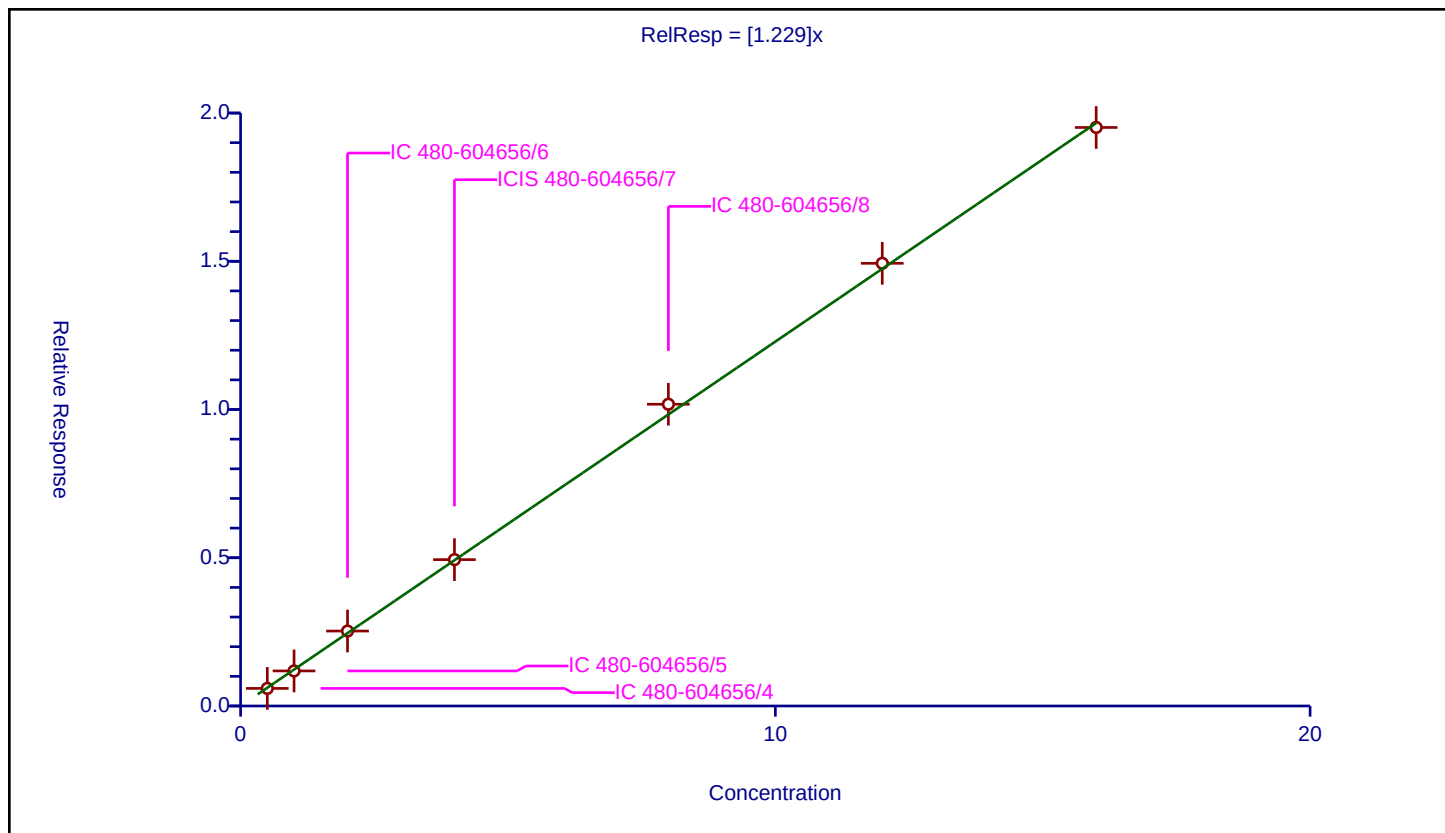
Curve Coefficients

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

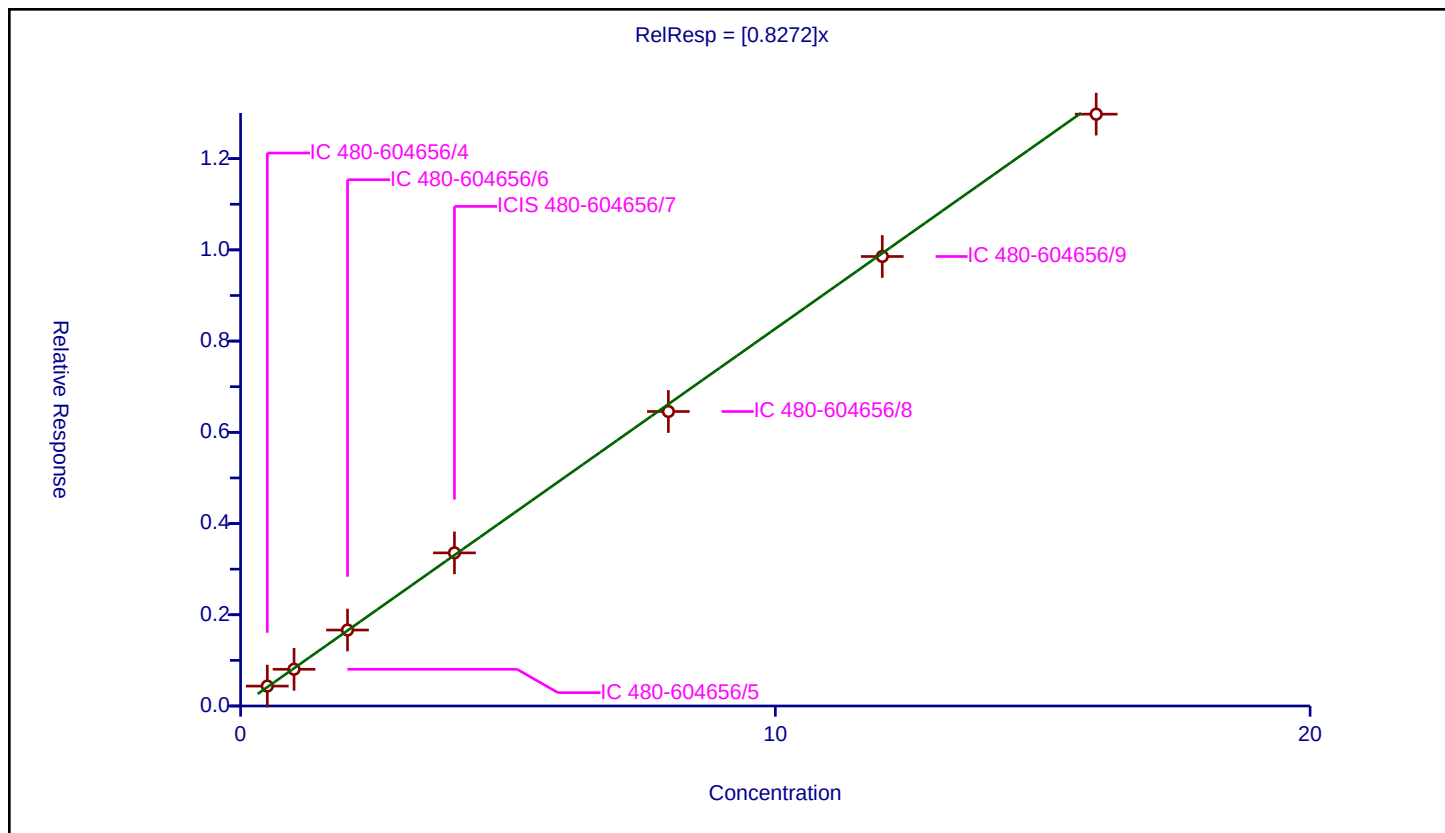
Curve Coefficients

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

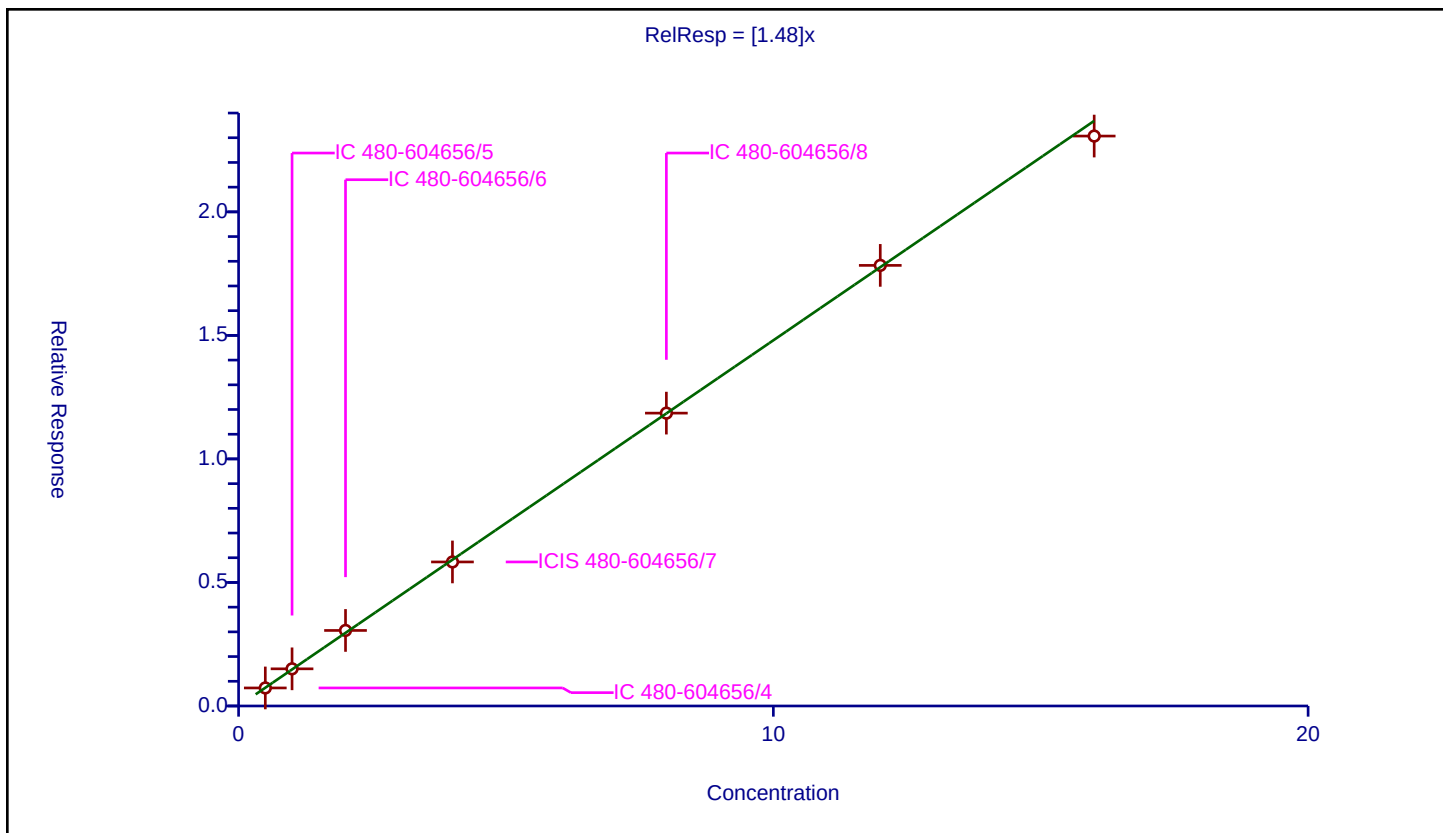
Curve Coefficients

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

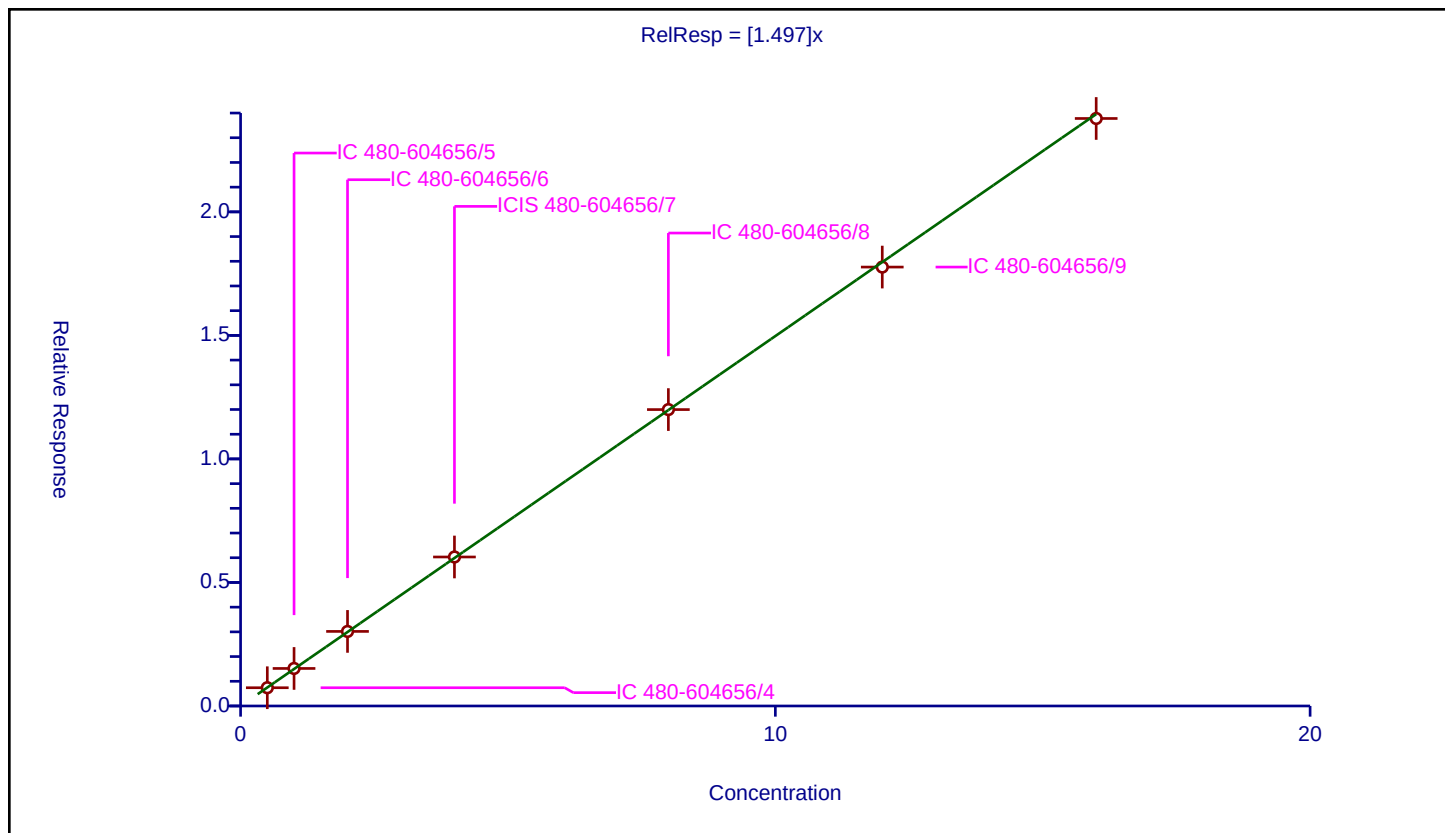
Curve Coefficients

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

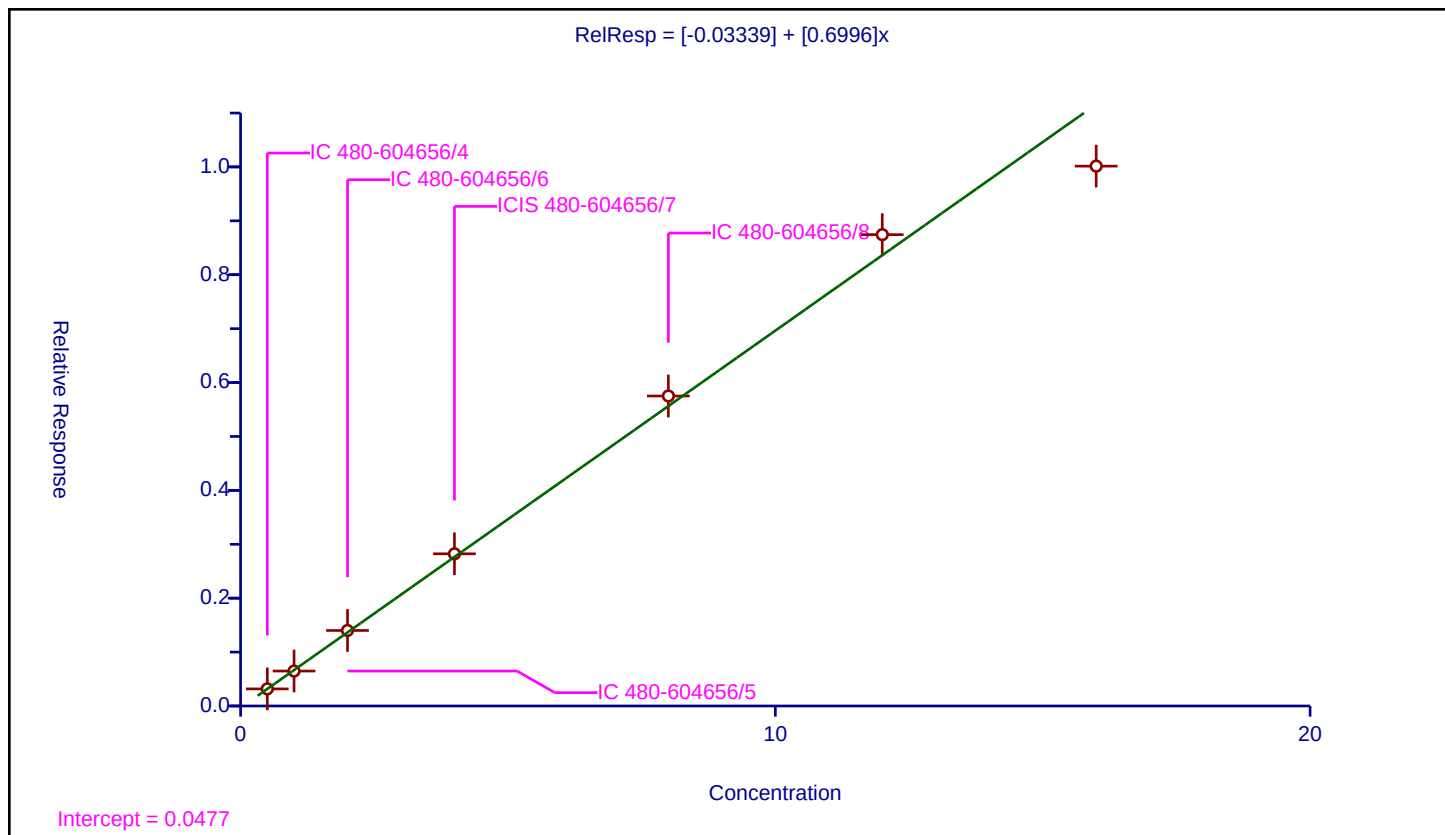
Curve Coefficients

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

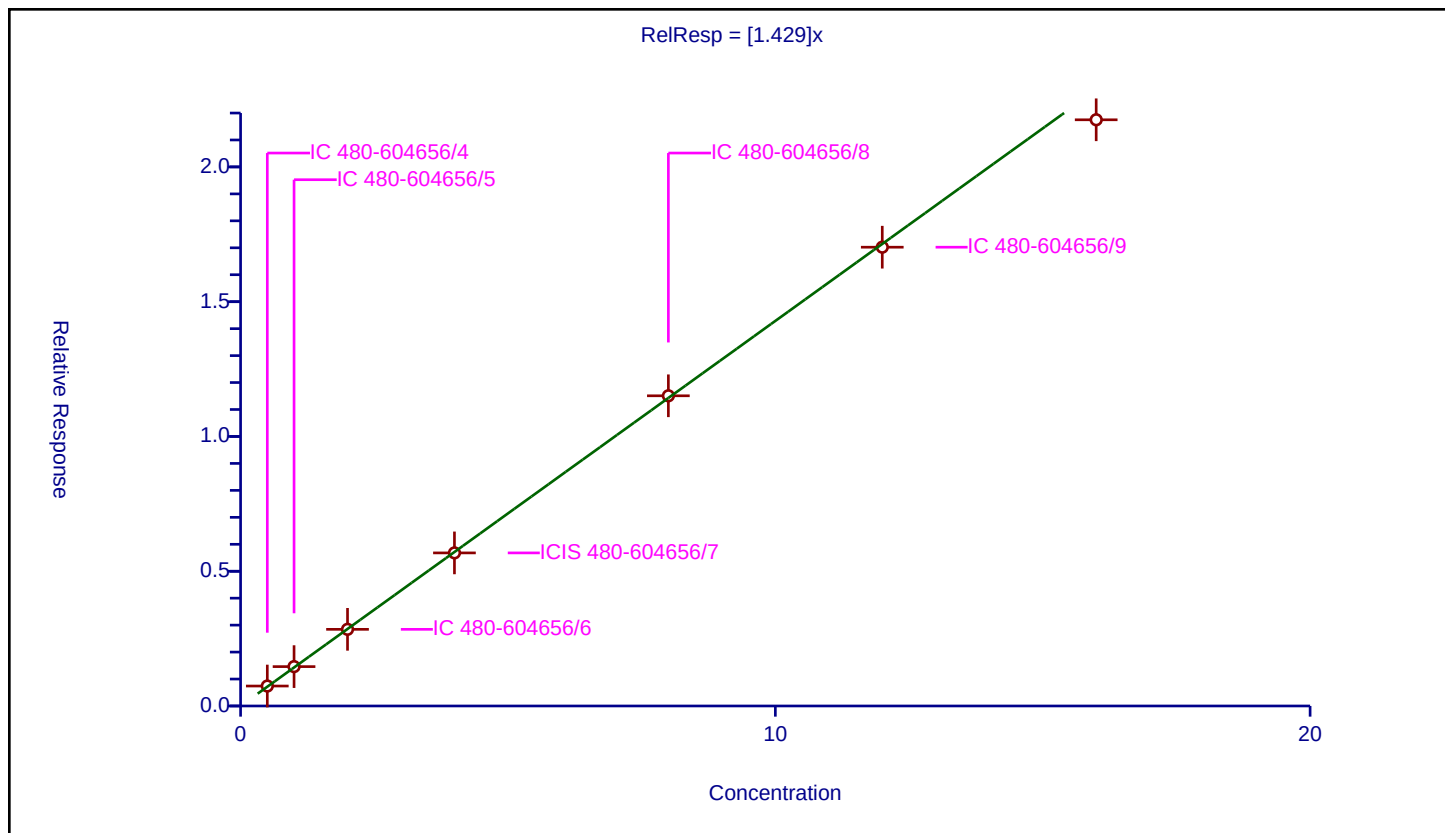
Curve Coefficients

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

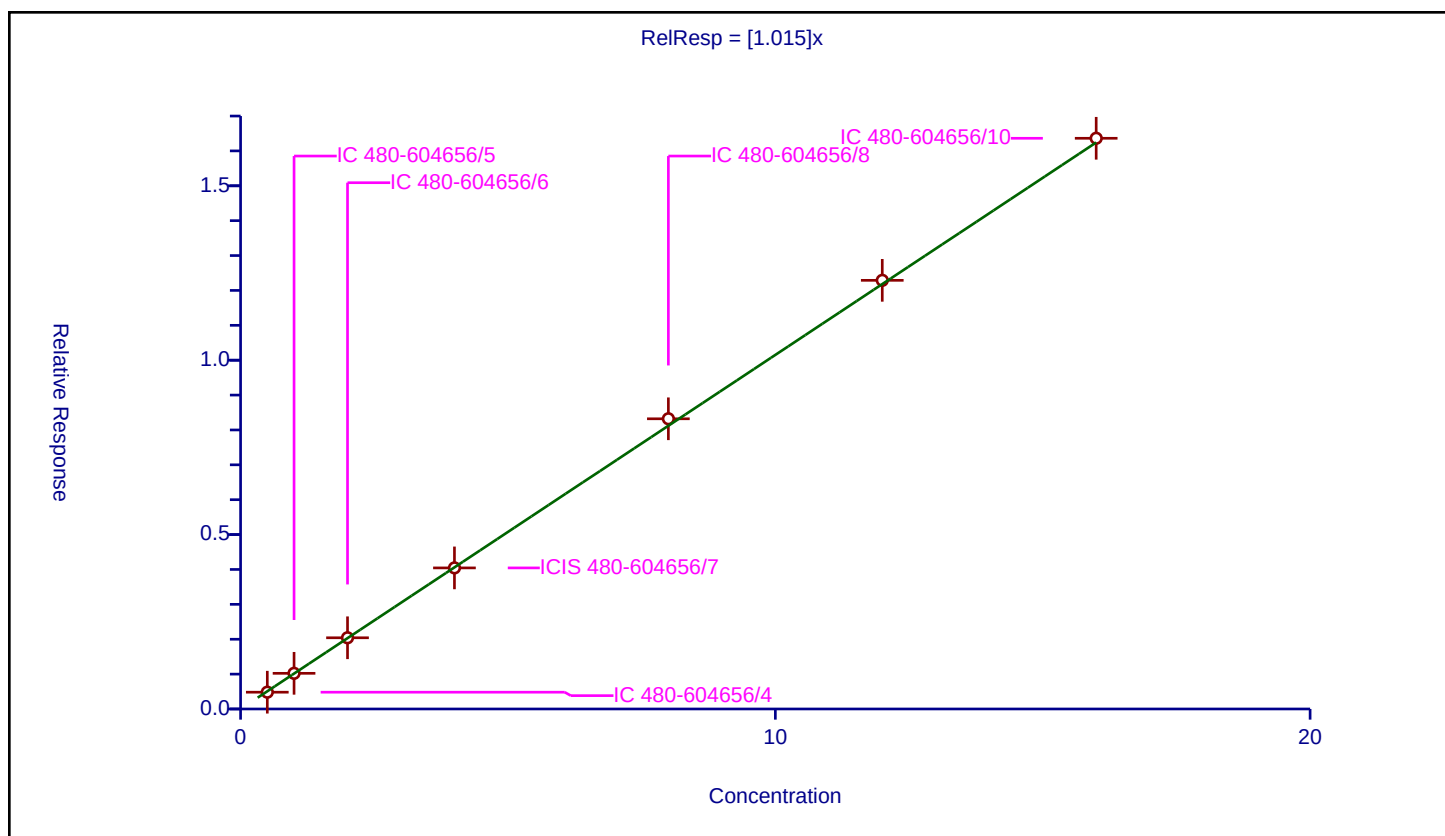
Curve Coefficients

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

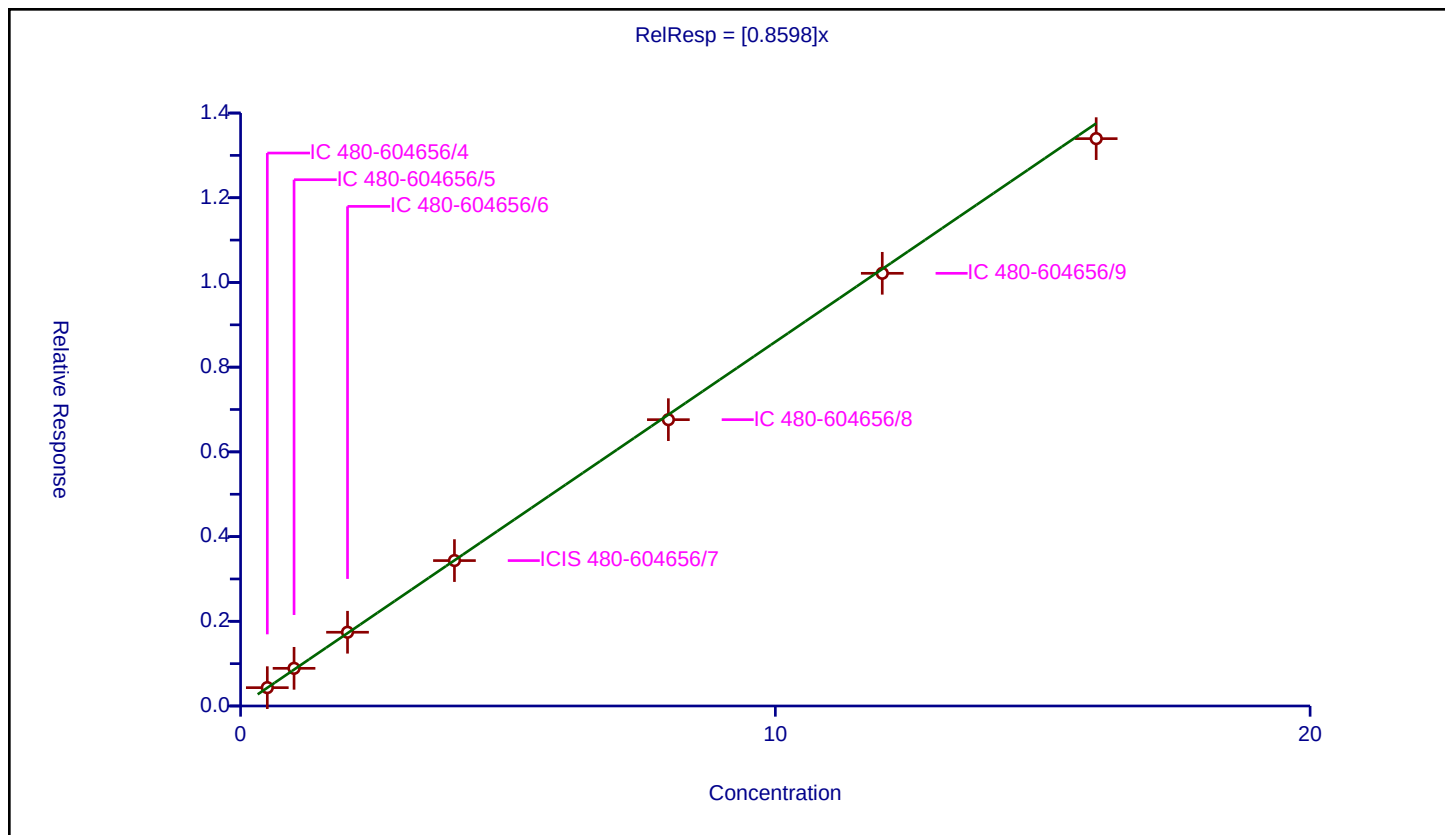
Curve Coefficients

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

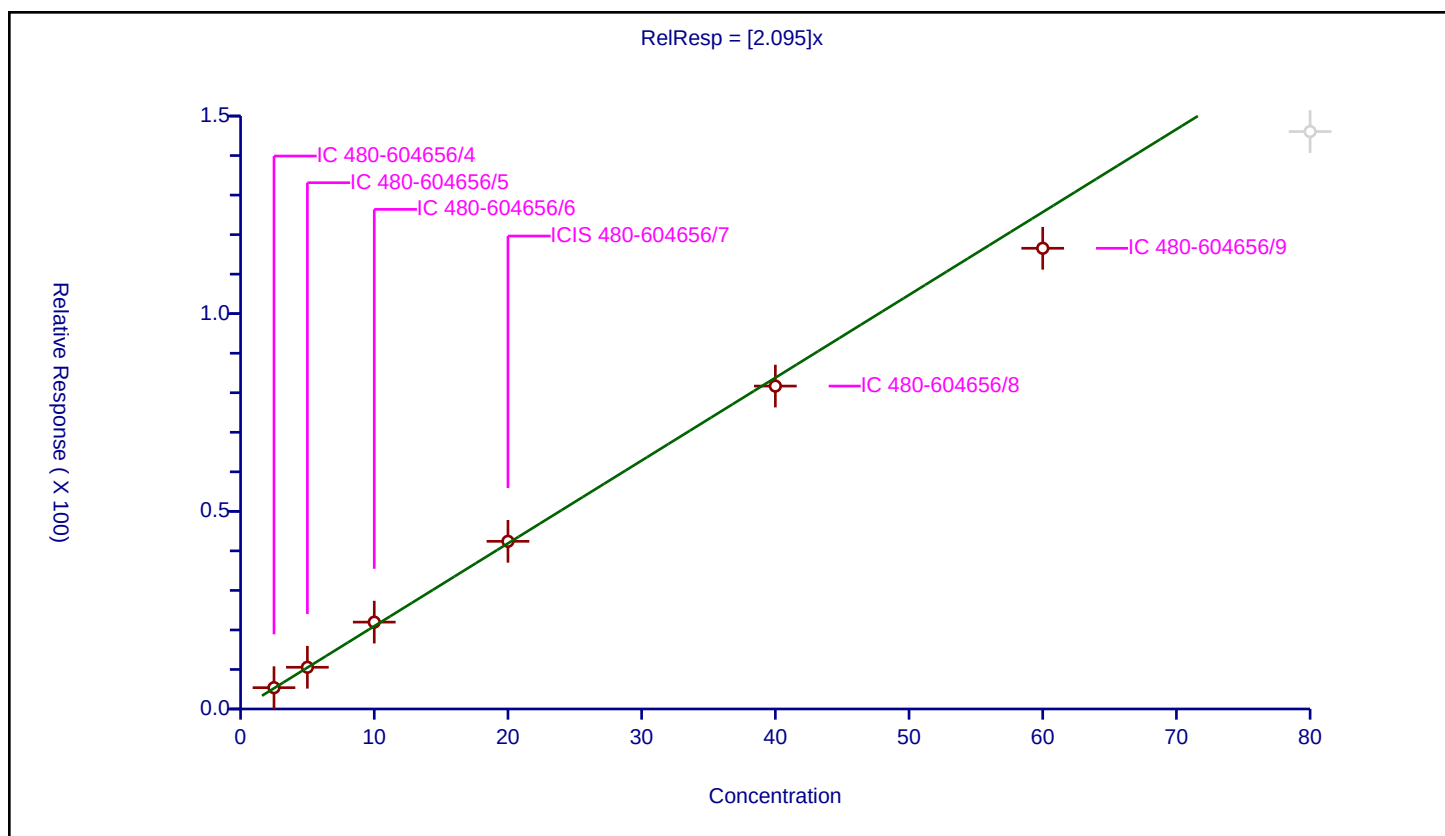
Curve Coefficients

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

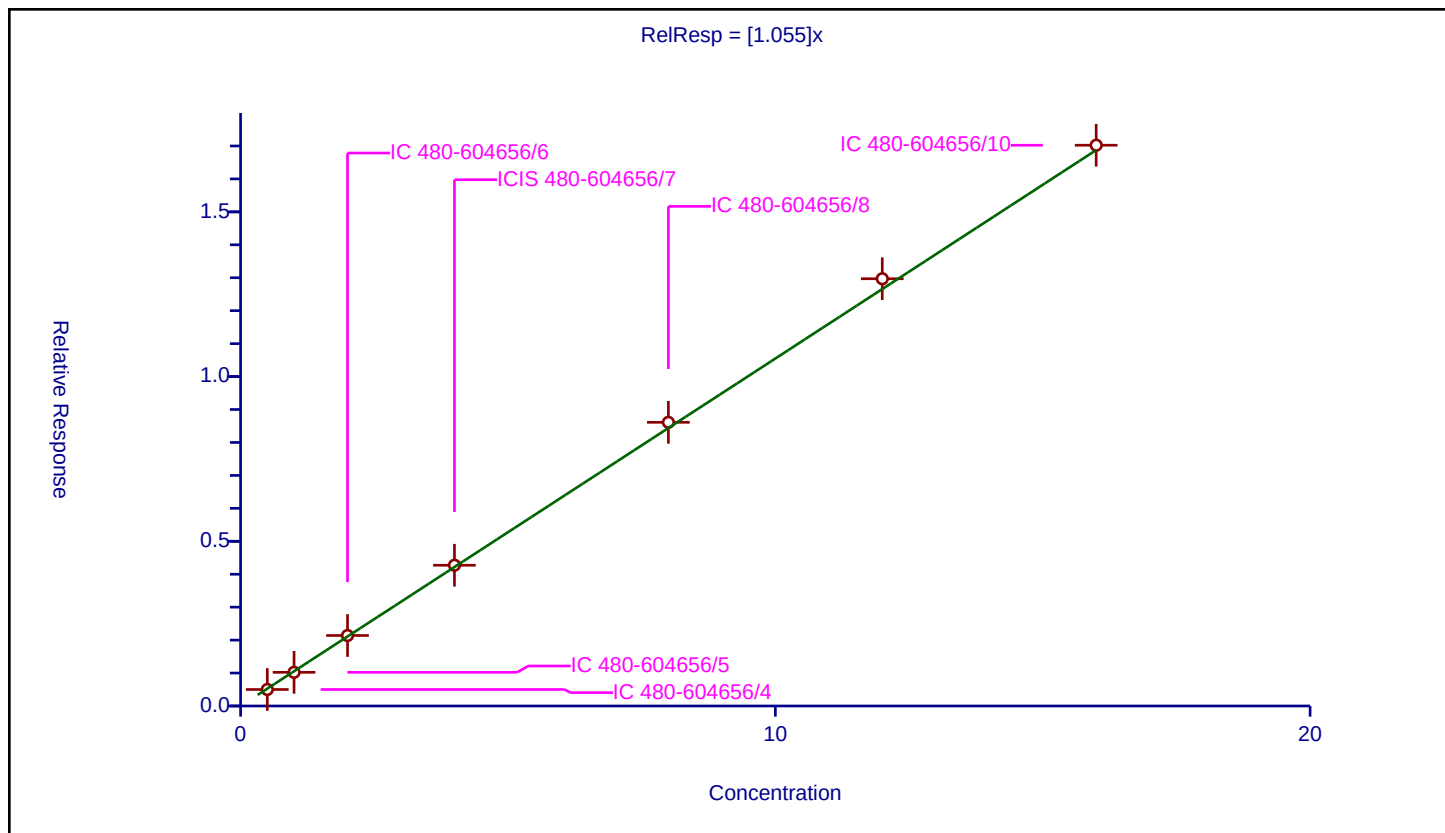
Curve Coefficients

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

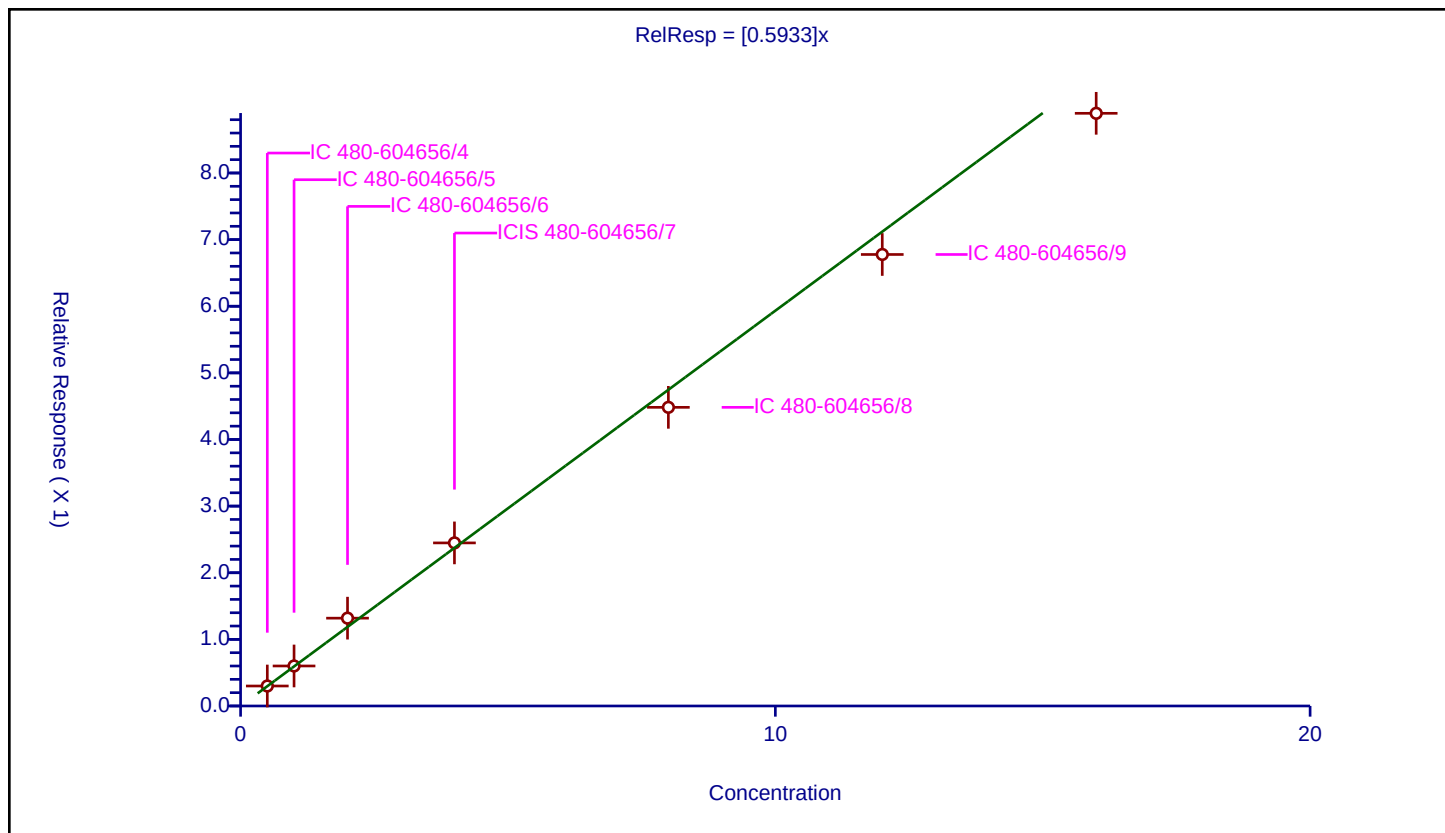
Curve Coefficients

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

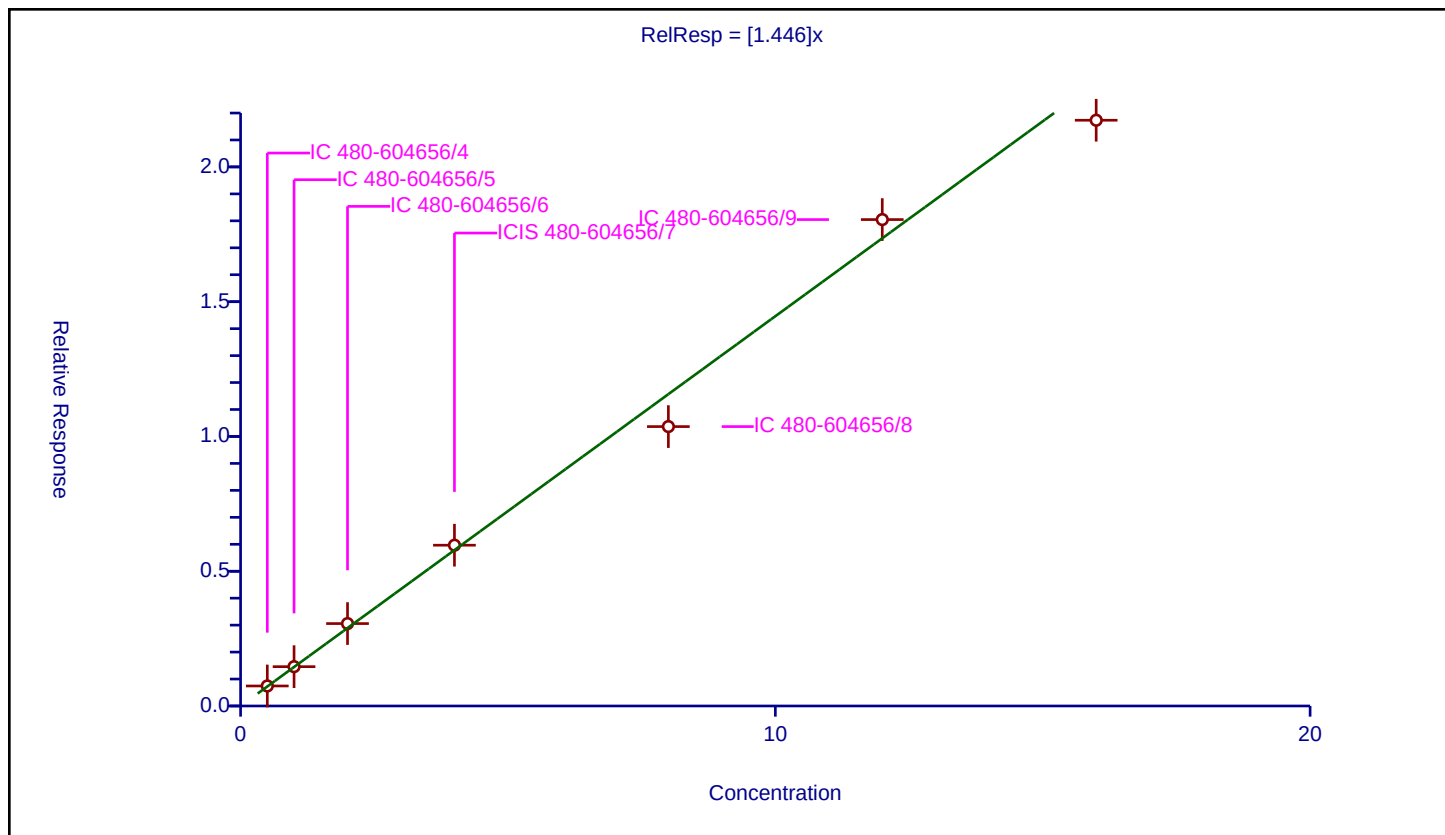
Curve Coefficients

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

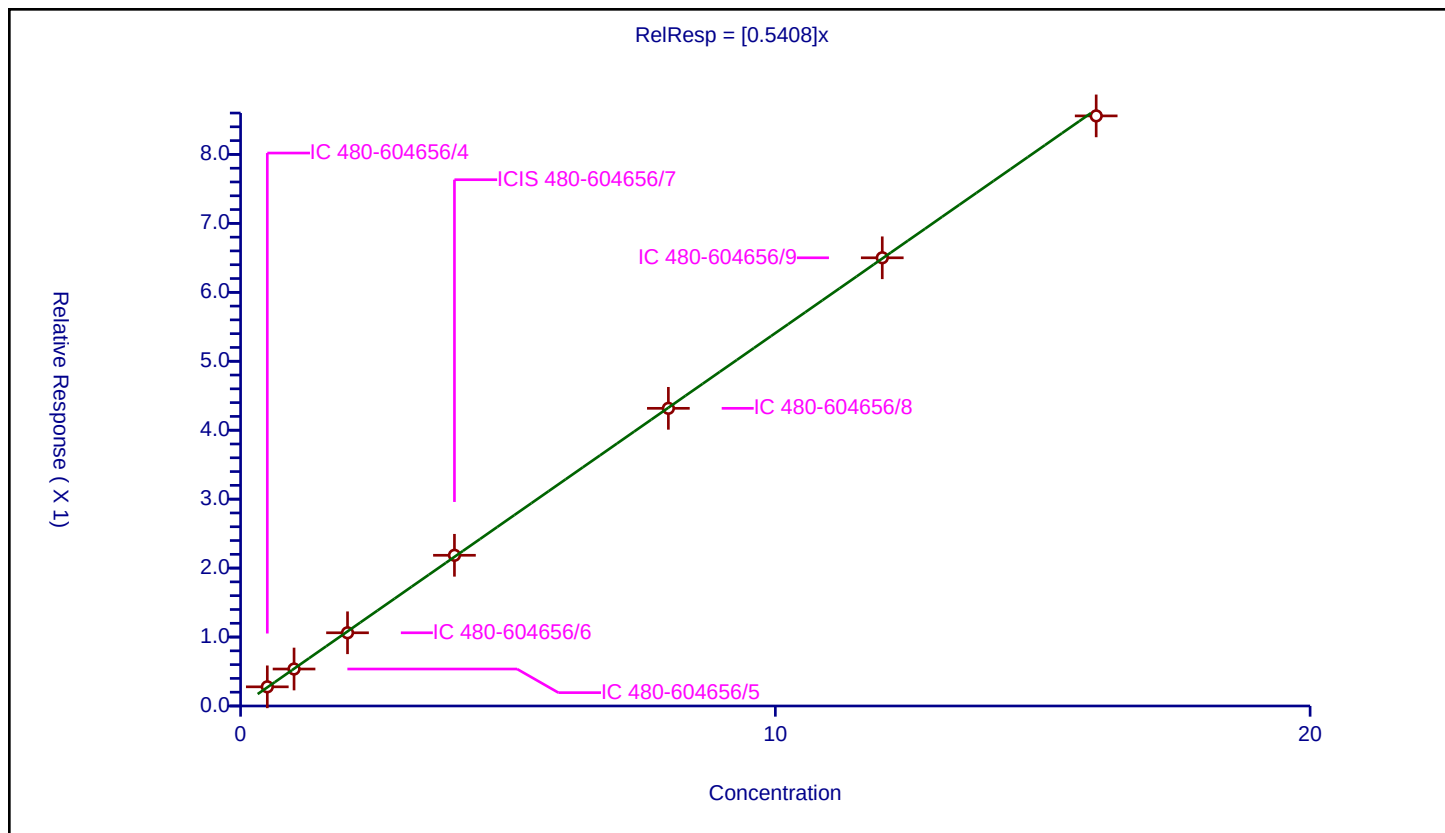
Curve Coefficients

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

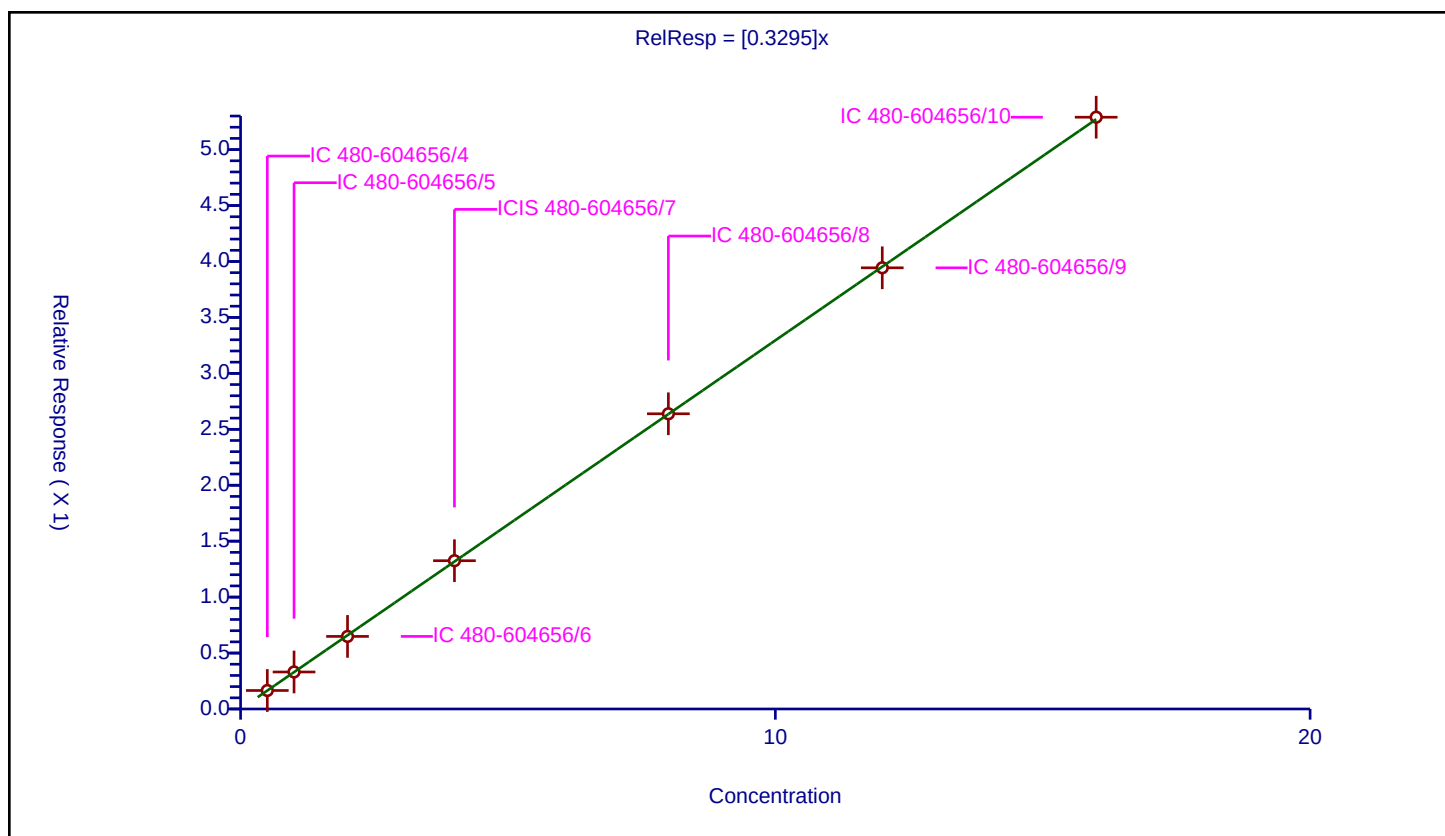
Curve Coefficients

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

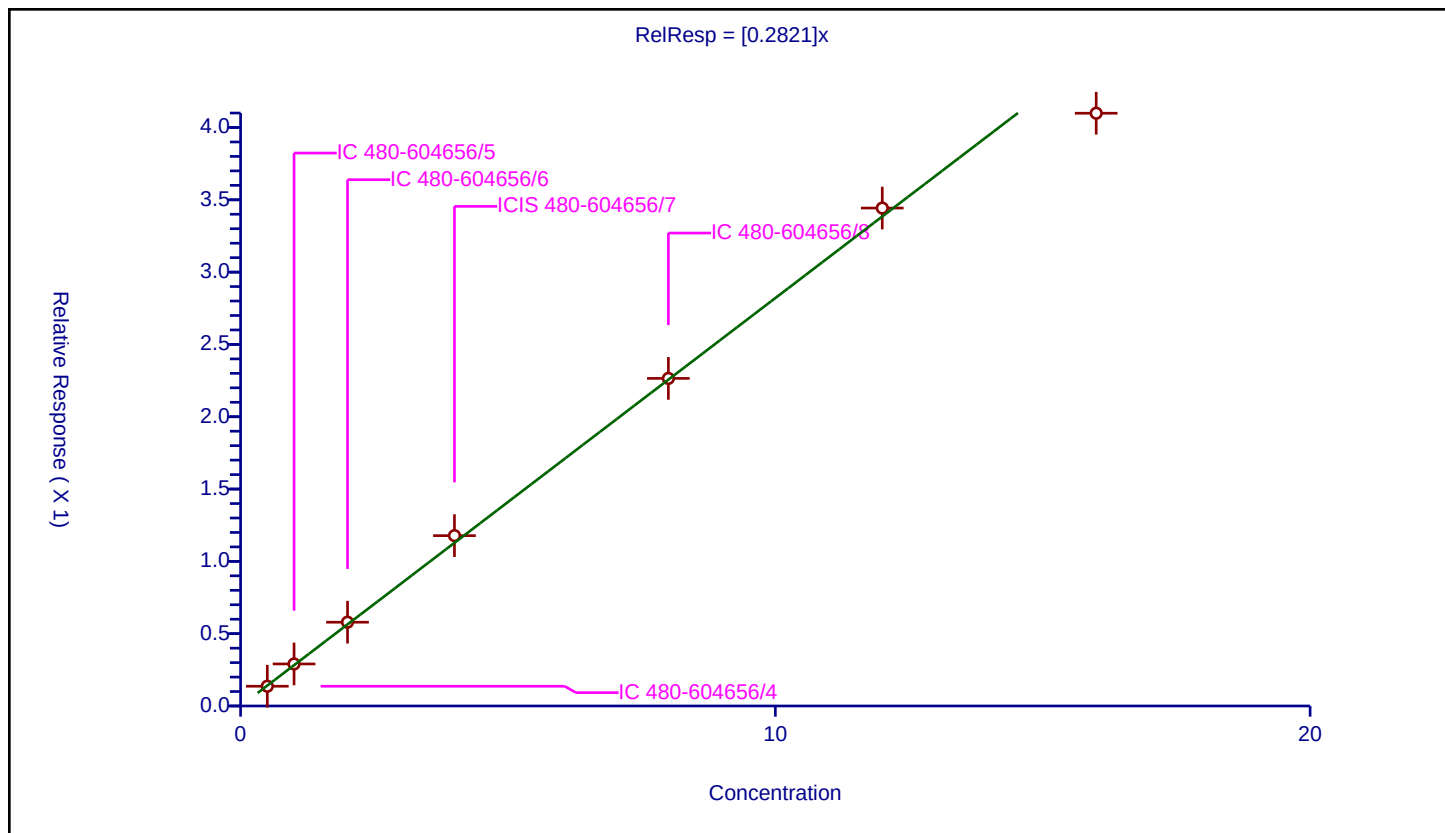
Curve Coefficients

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

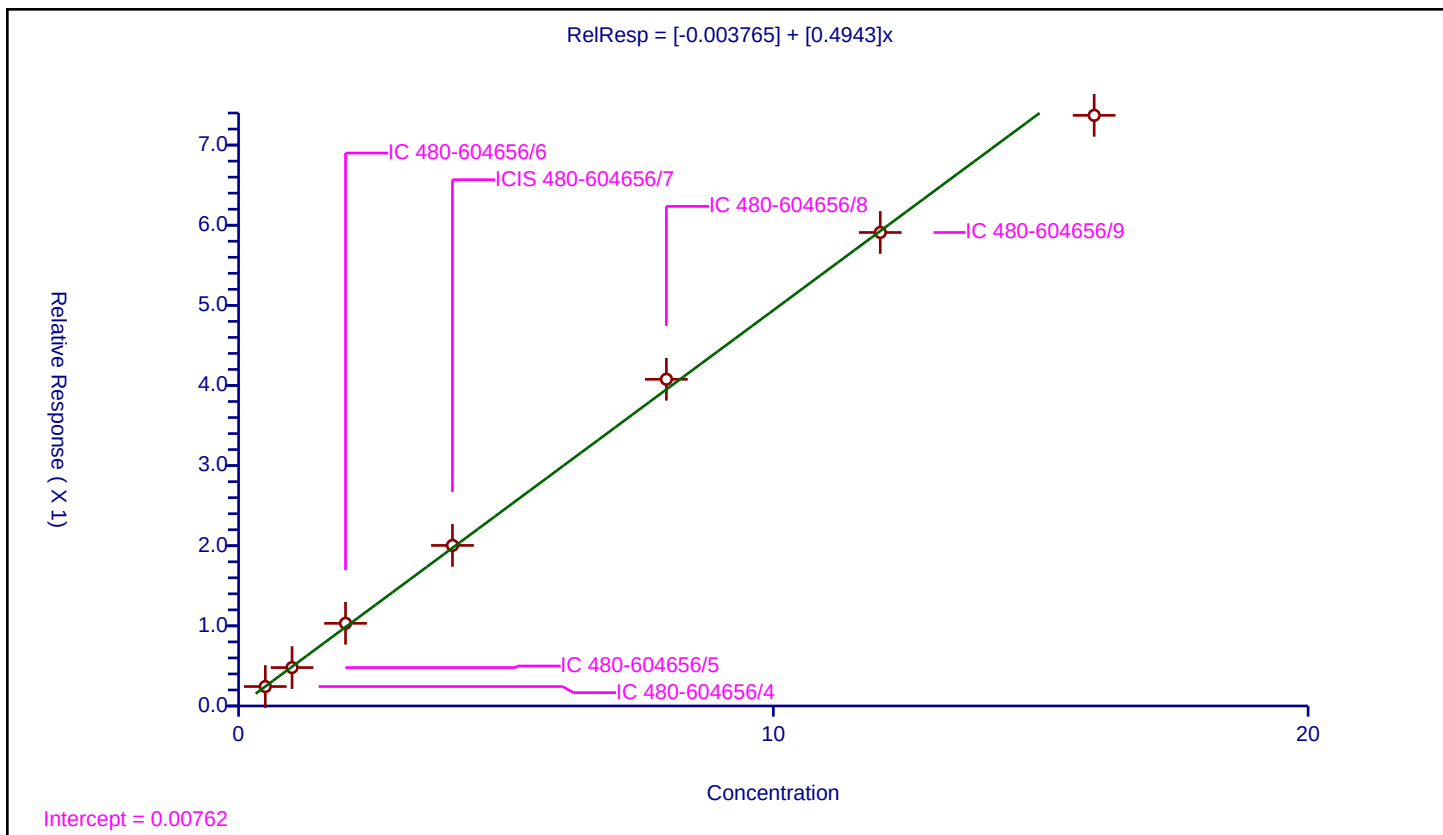
Curve Coefficients

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

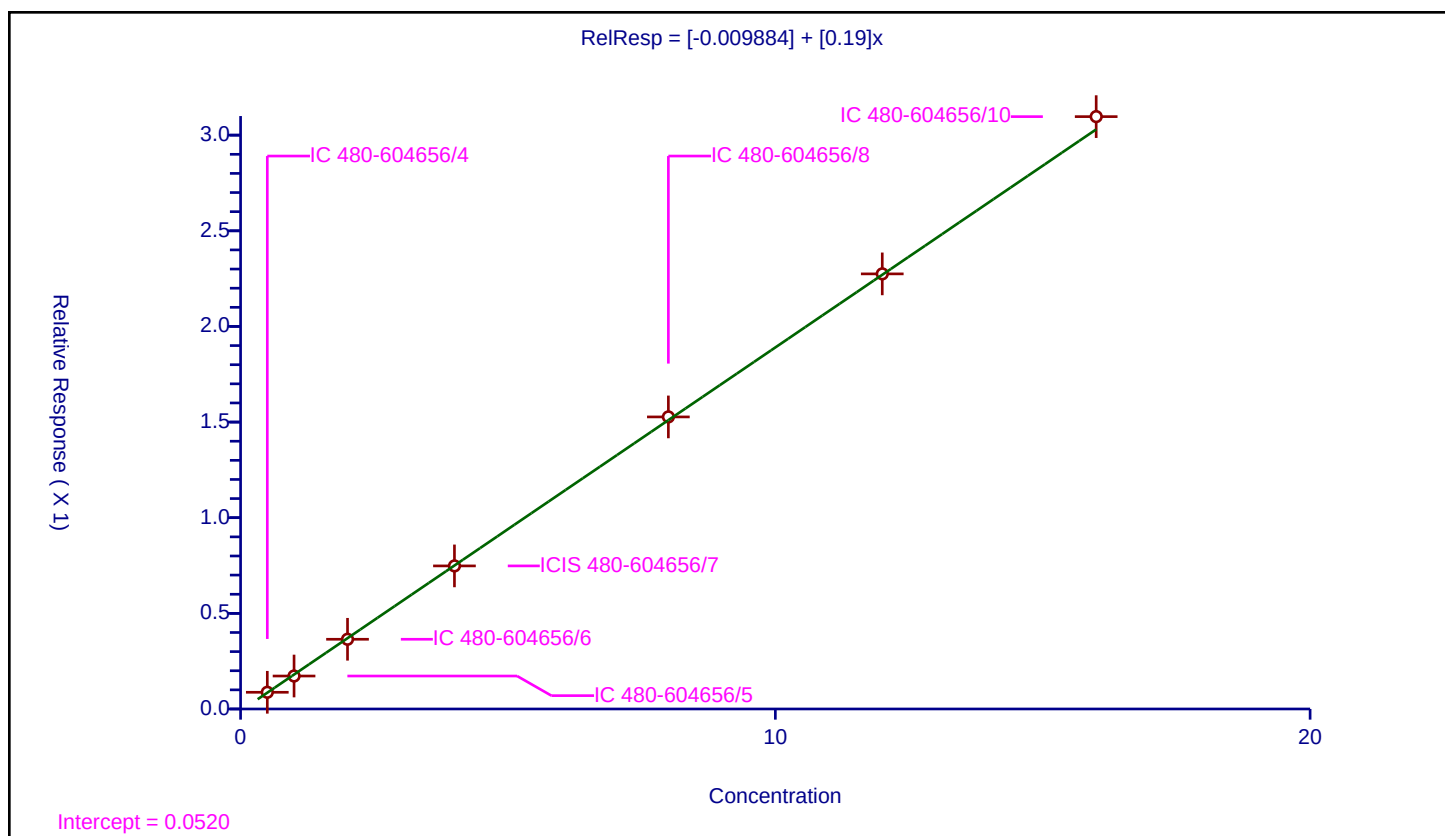
Curve Coefficients

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

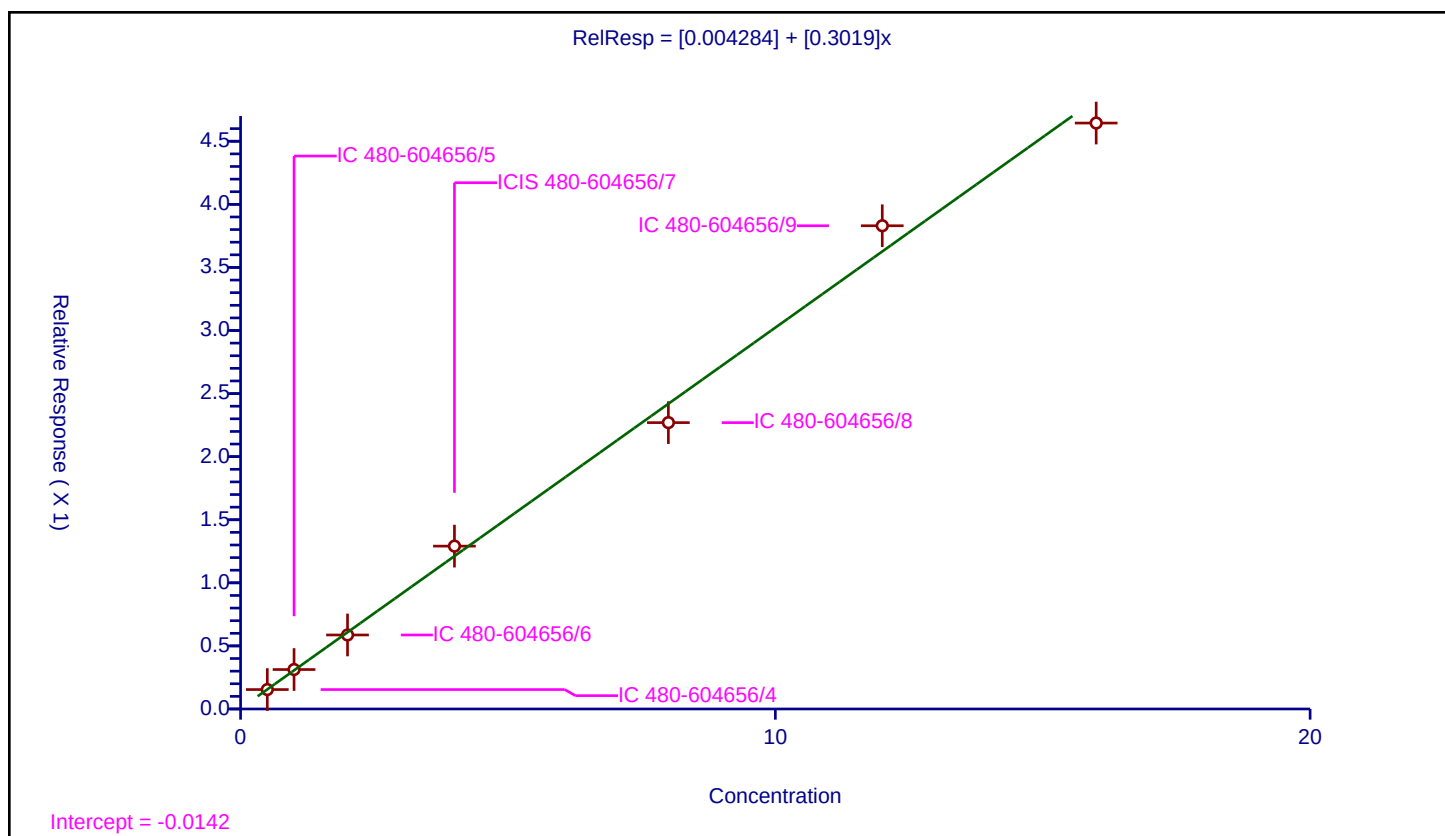
Curve Coefficients

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

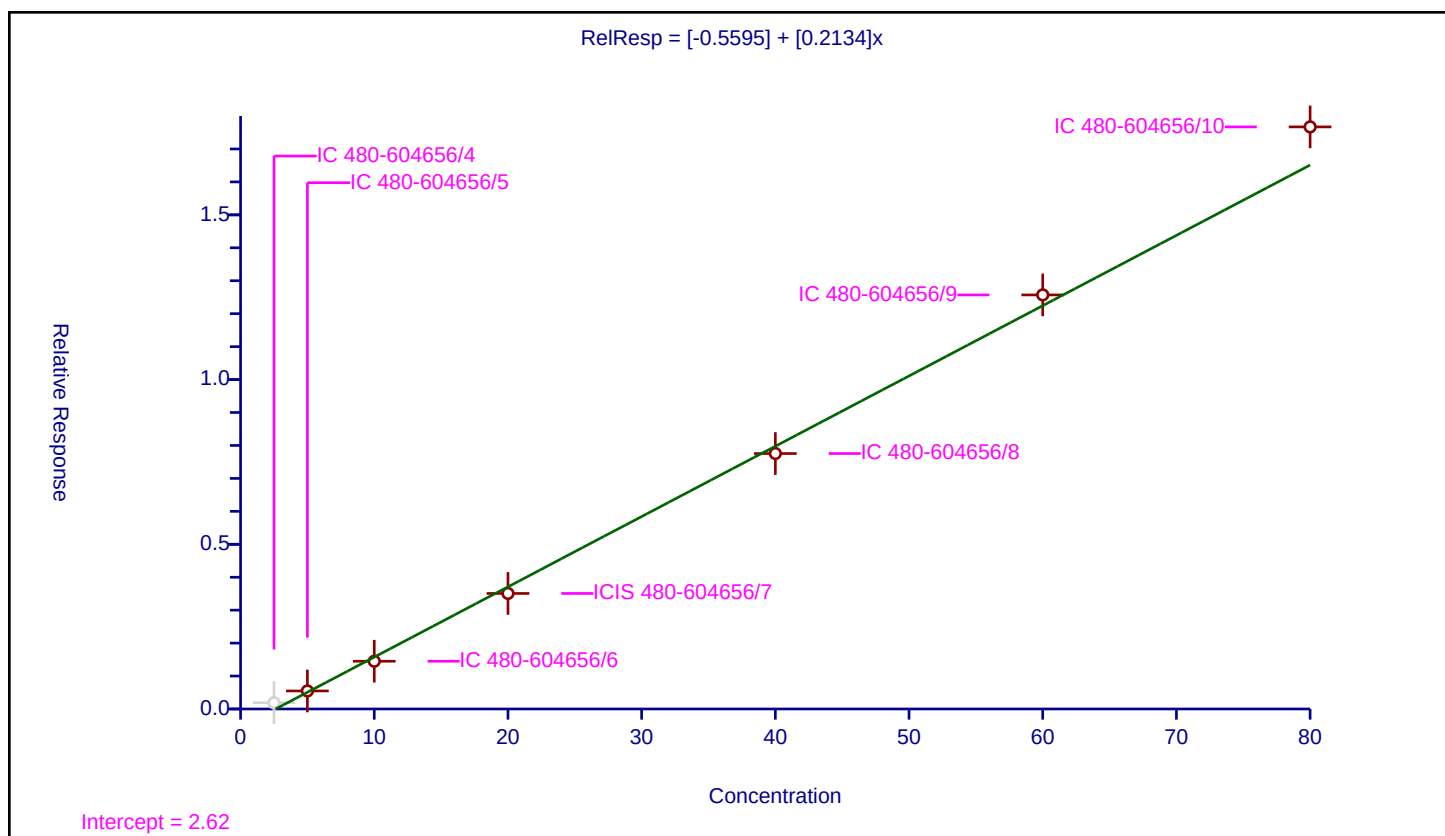
Curve Coefficients

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

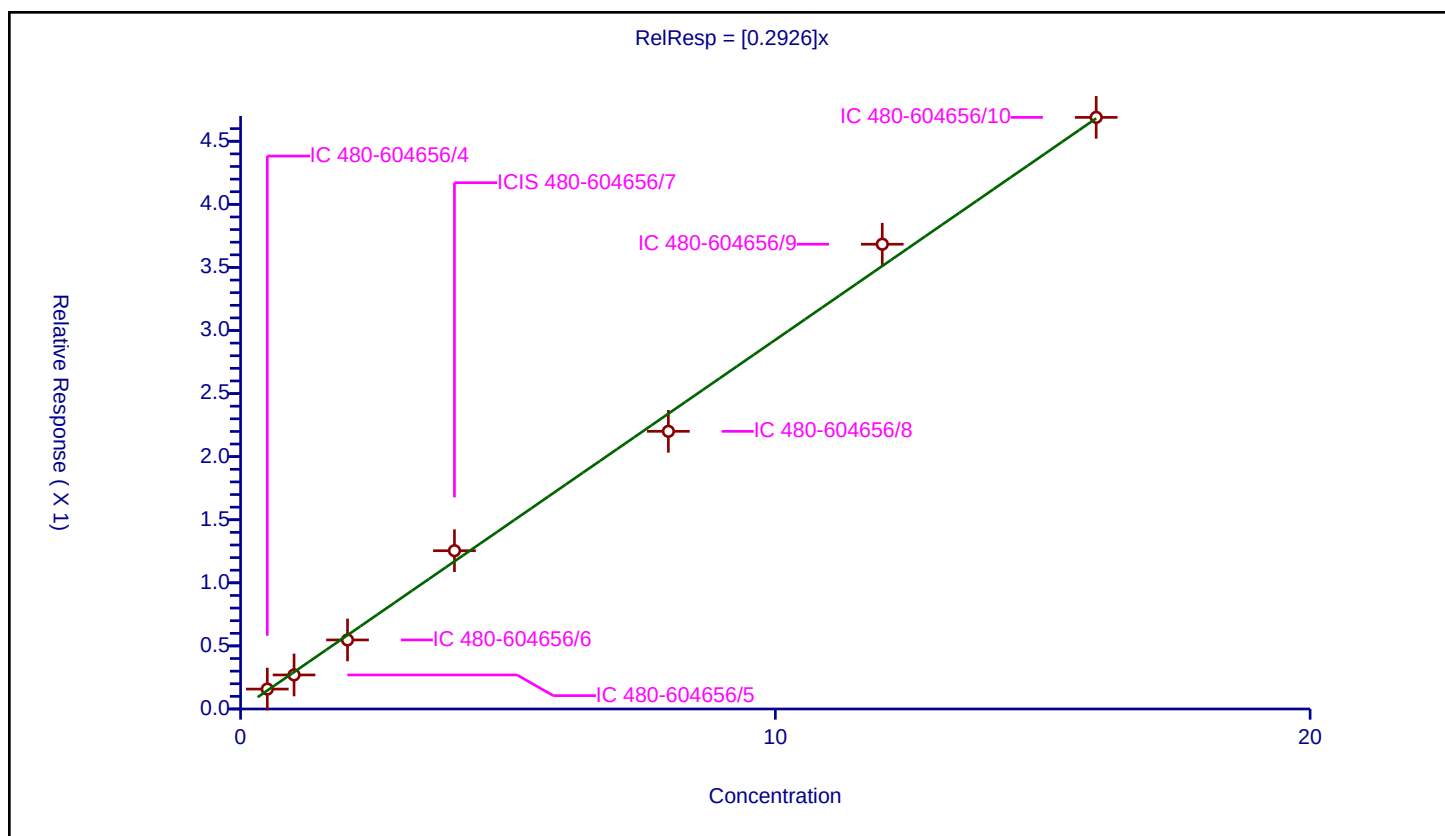
Curve Coefficients

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

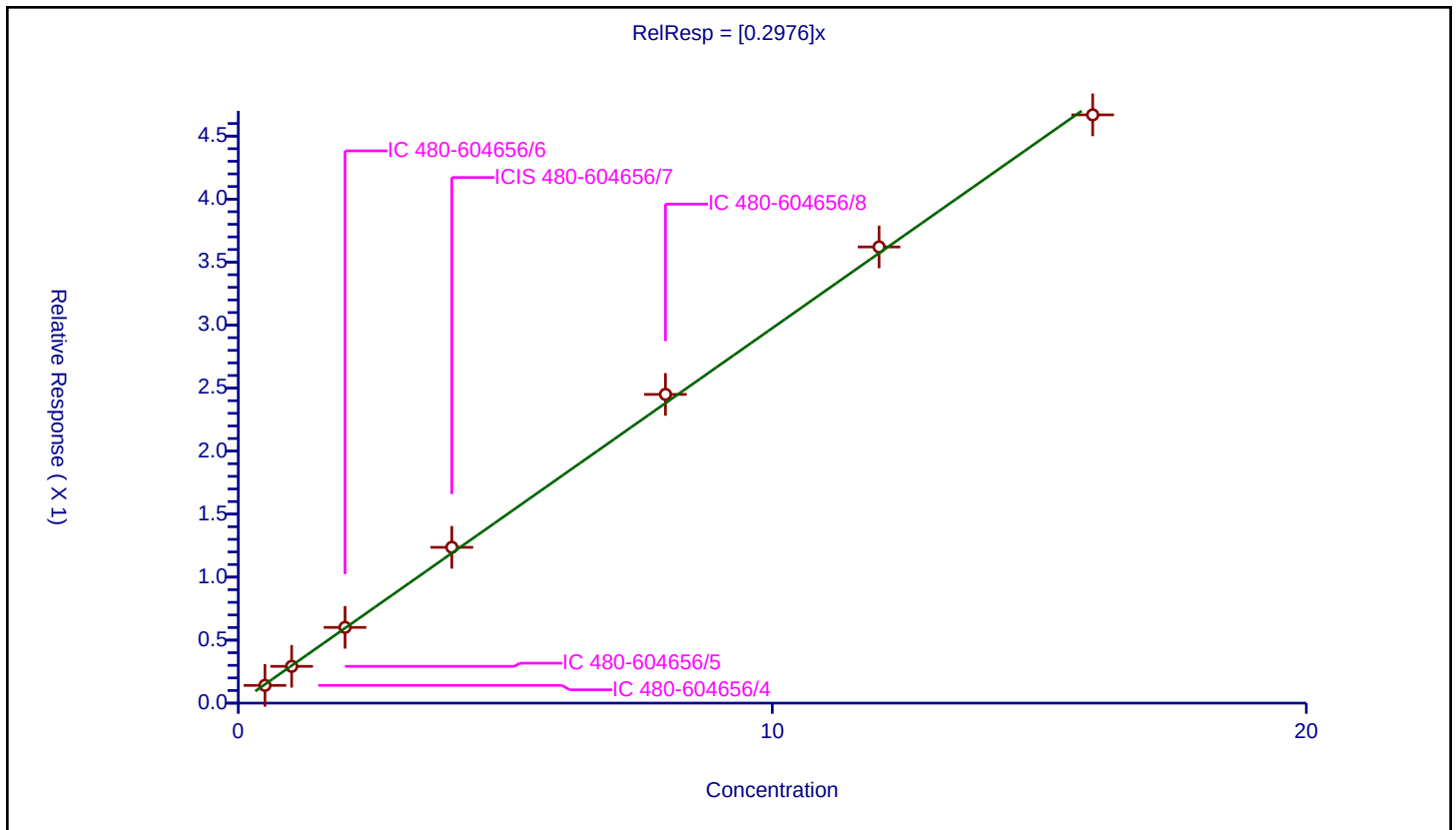
Curve Coefficients

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

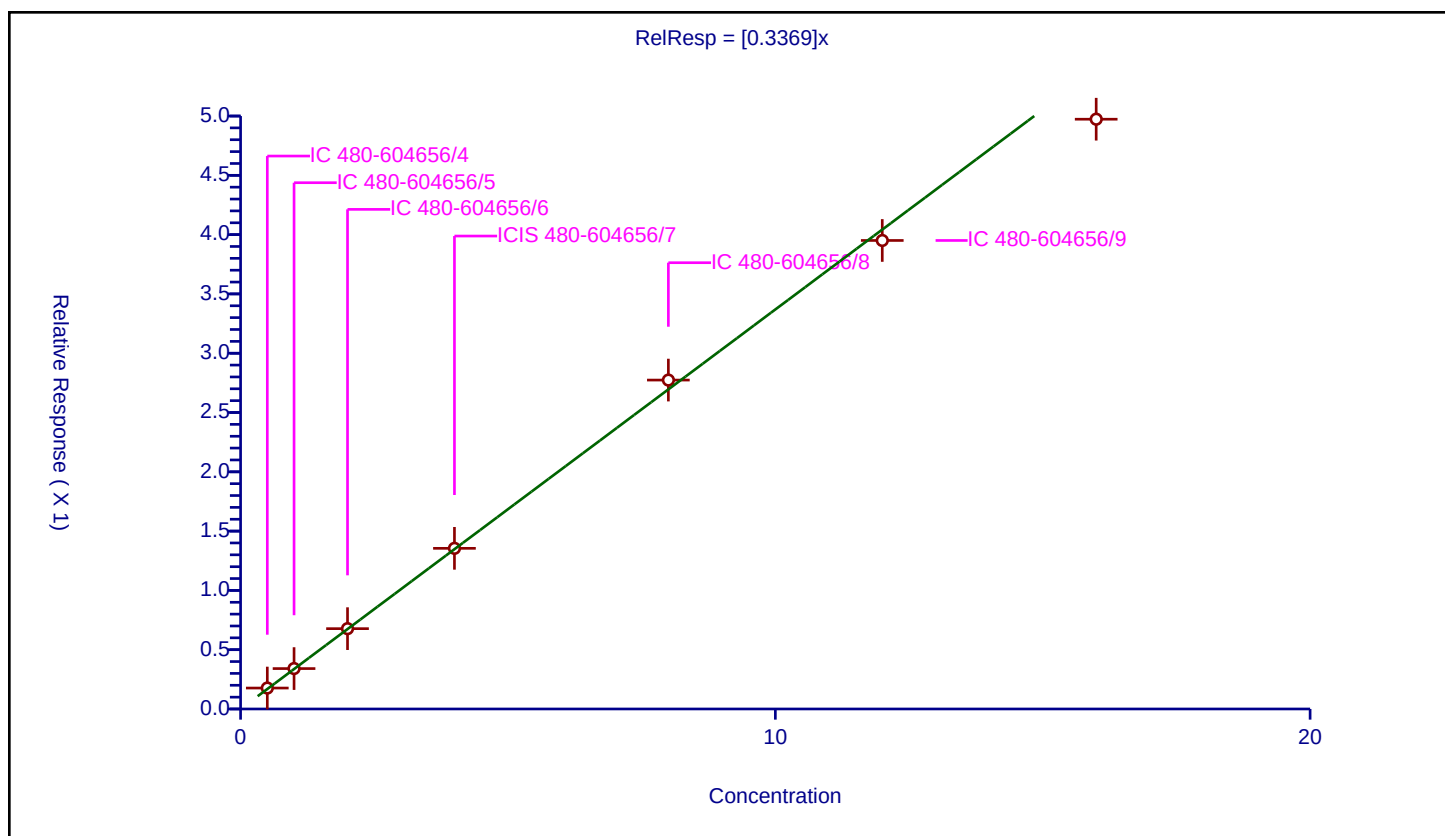
Curve Coefficients

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

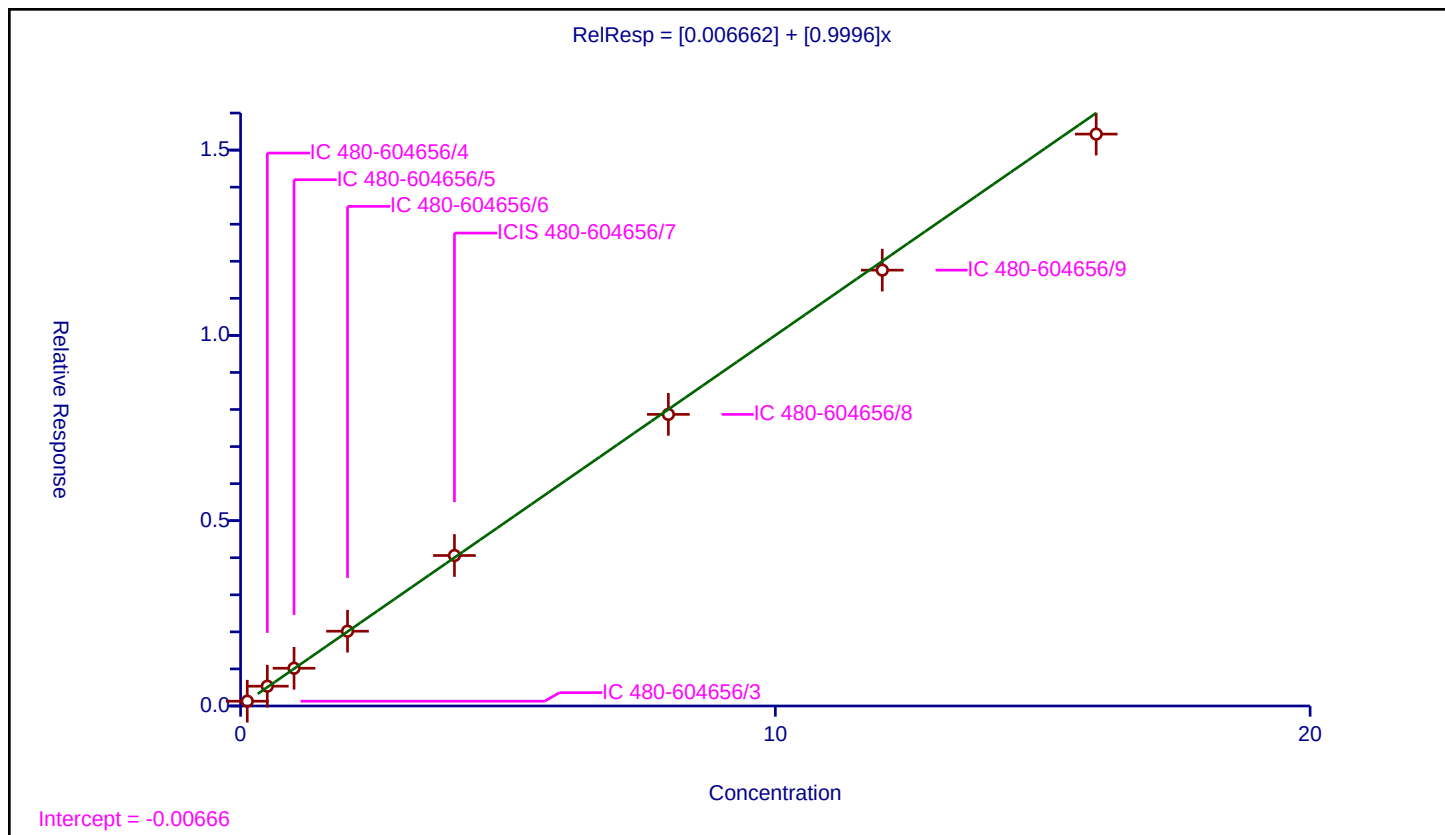
Curve Coefficients

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

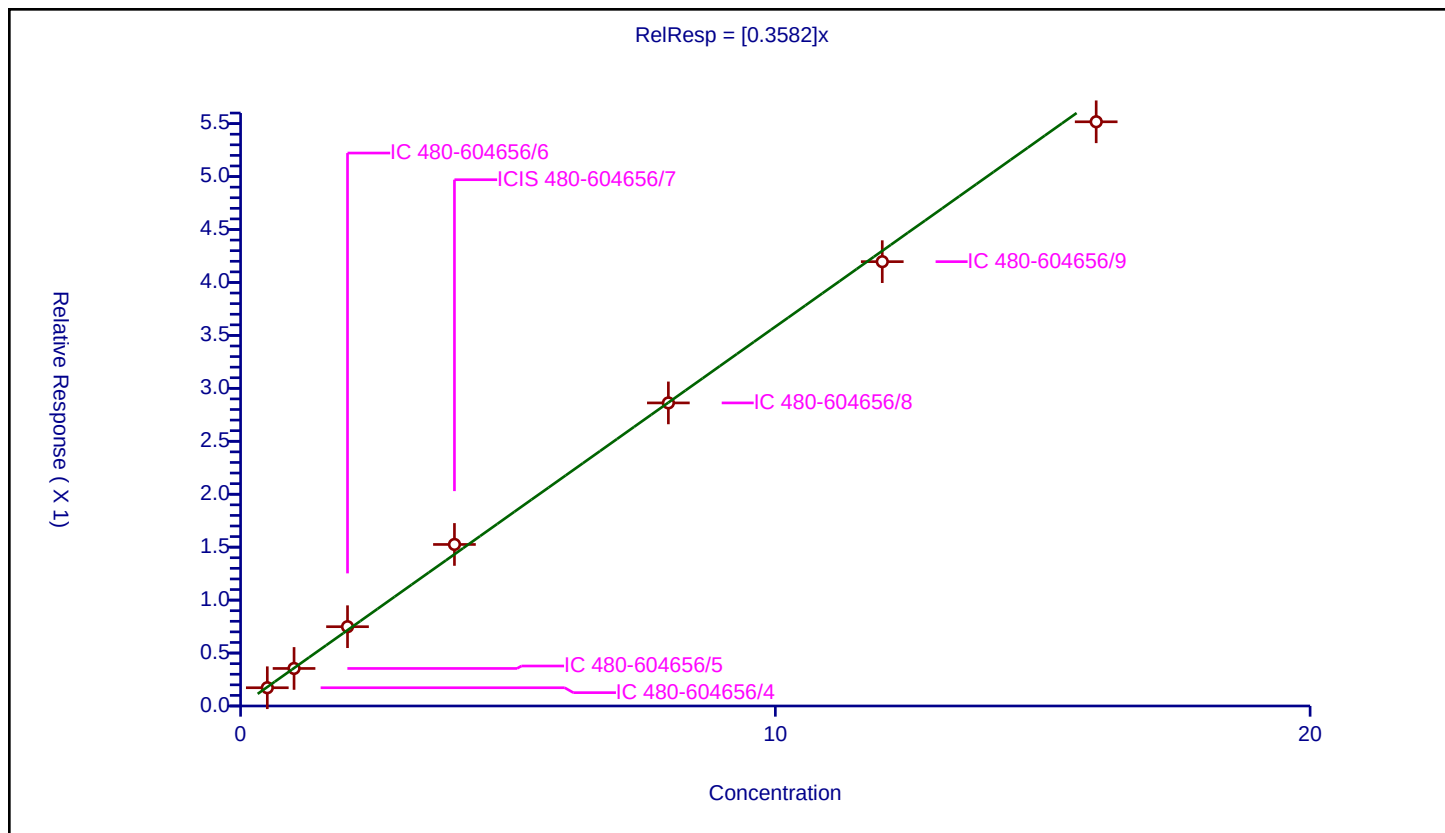
Curve Coefficients

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

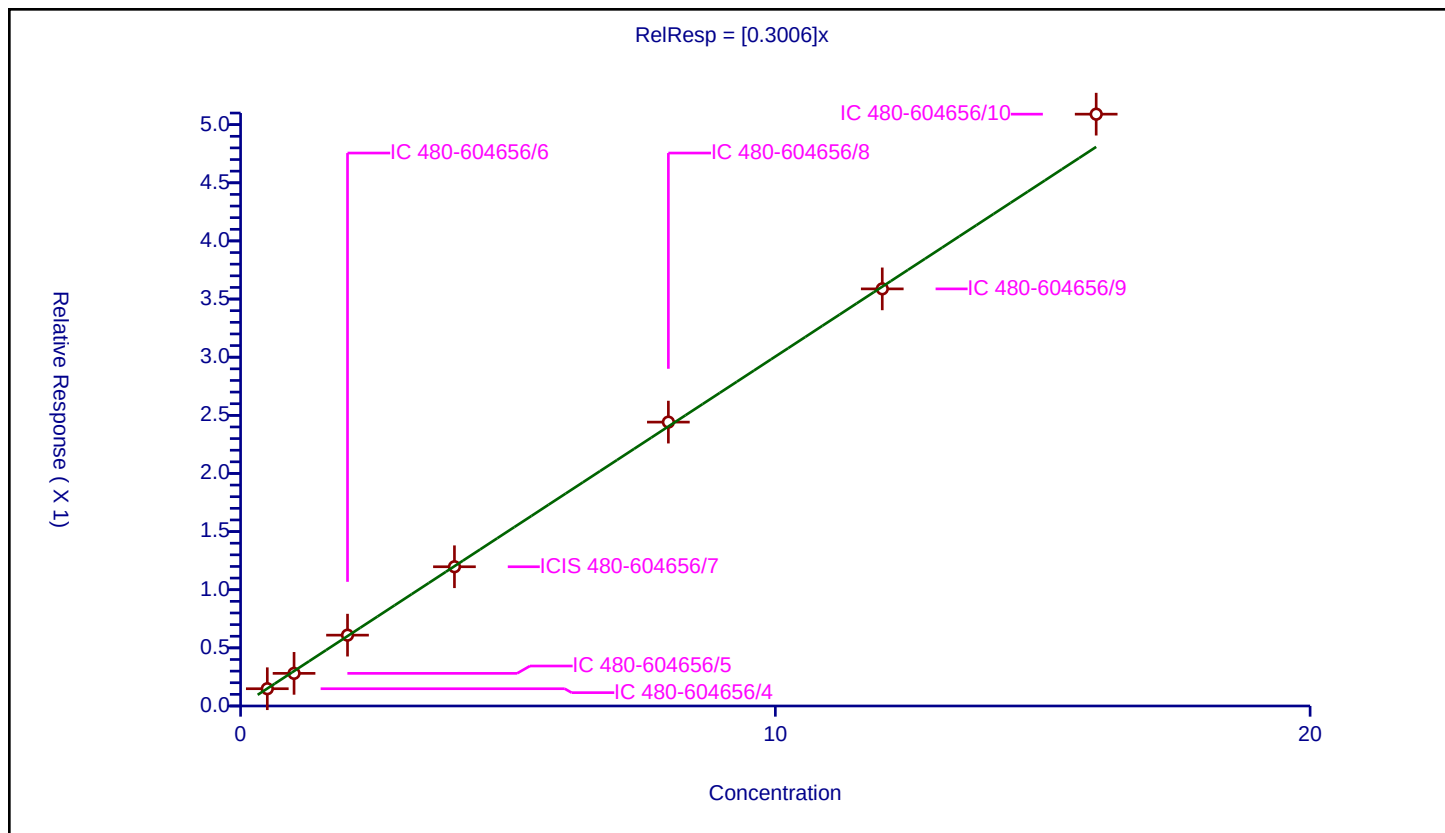
Curve Coefficients

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

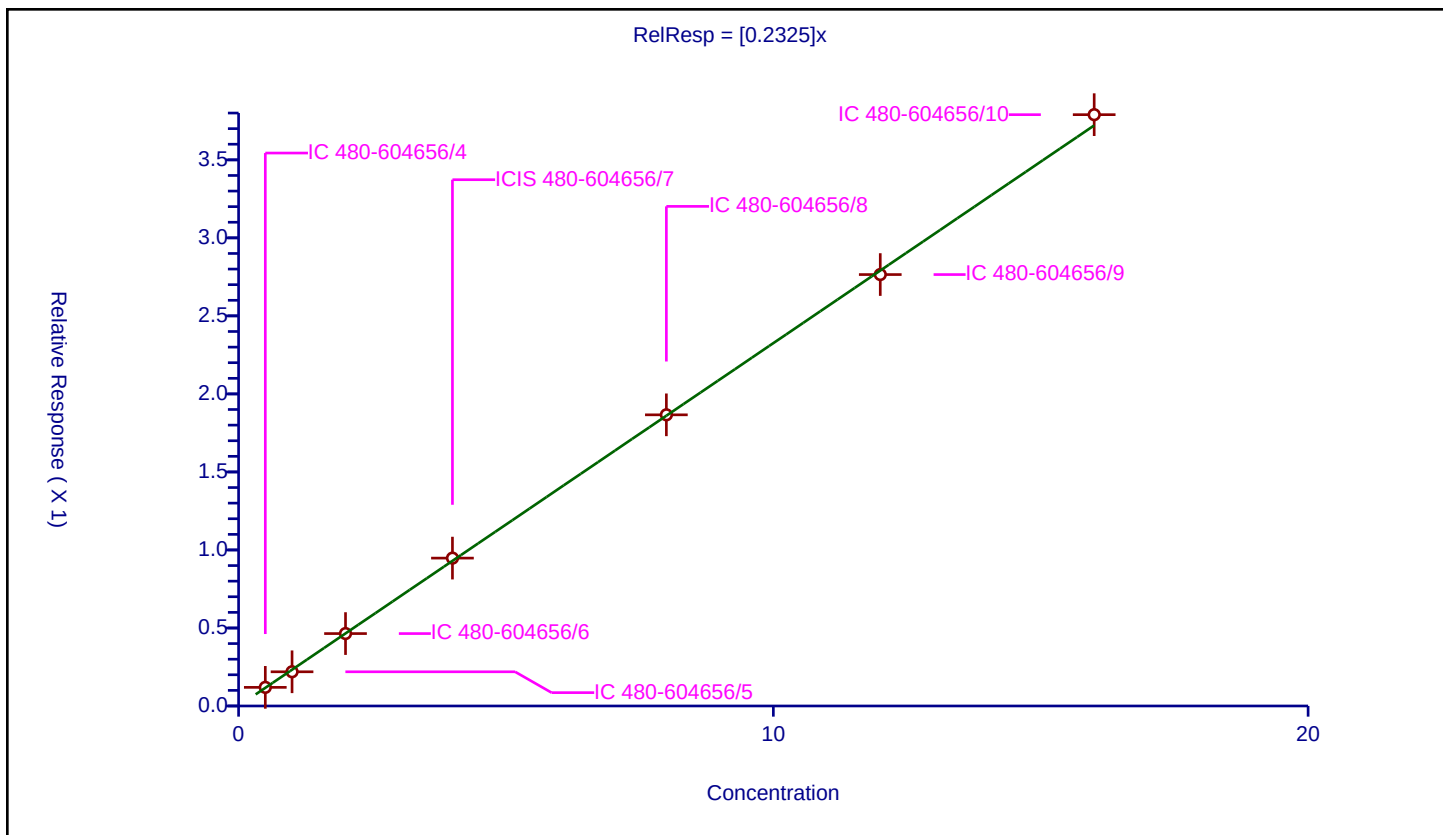
Curve Coefficients

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

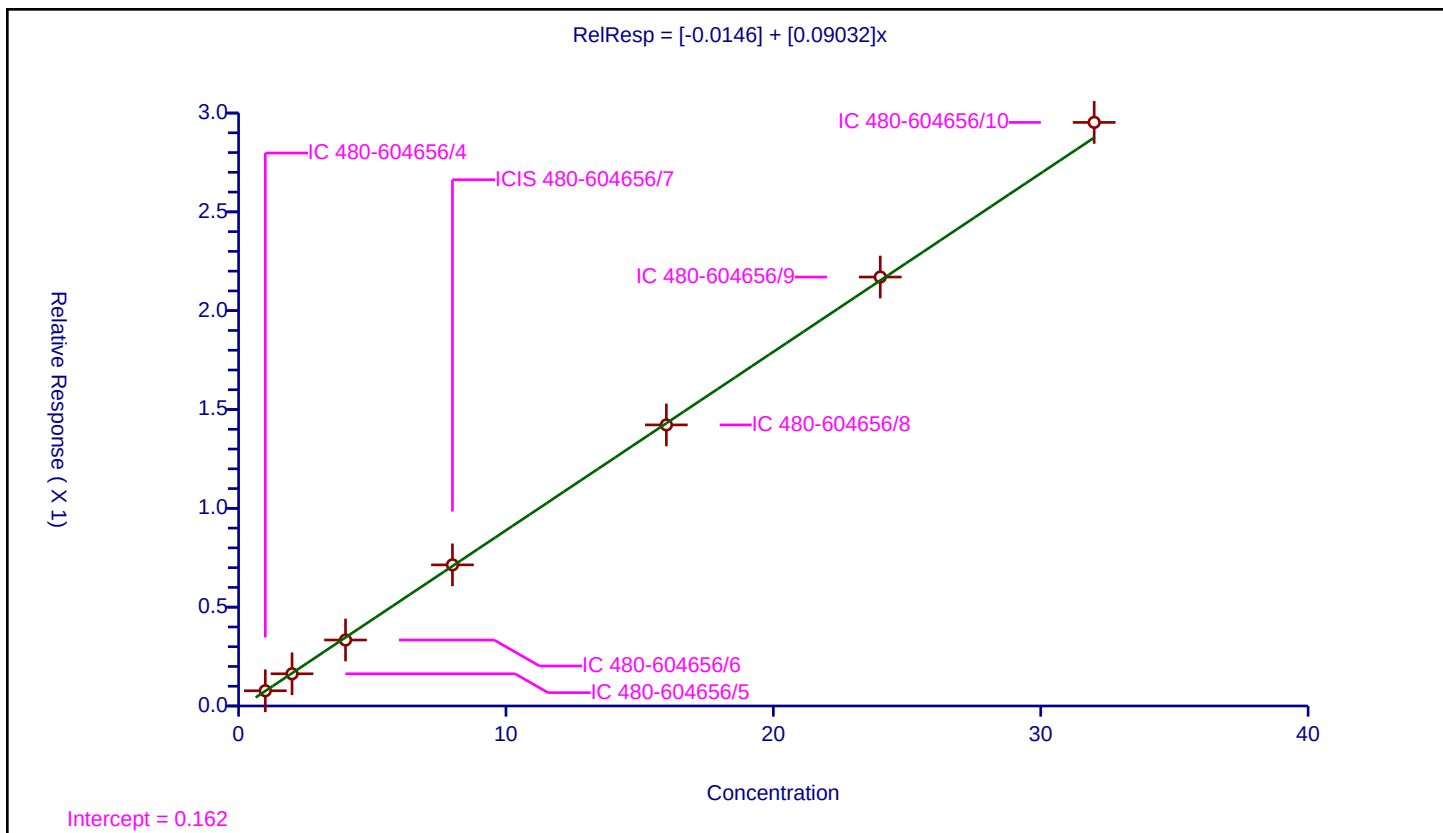
Curve Coefficients

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

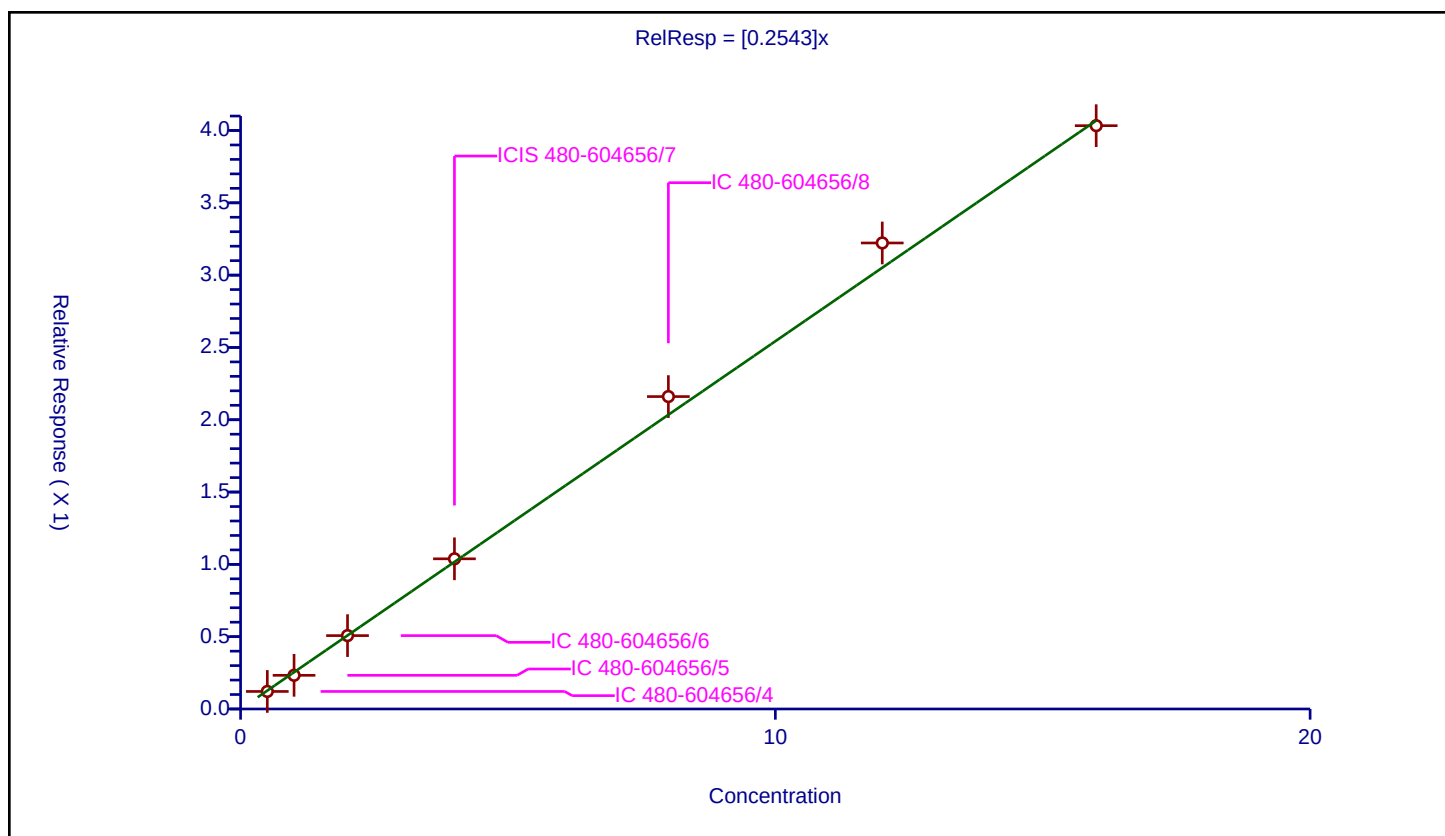
Curve Coefficients

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

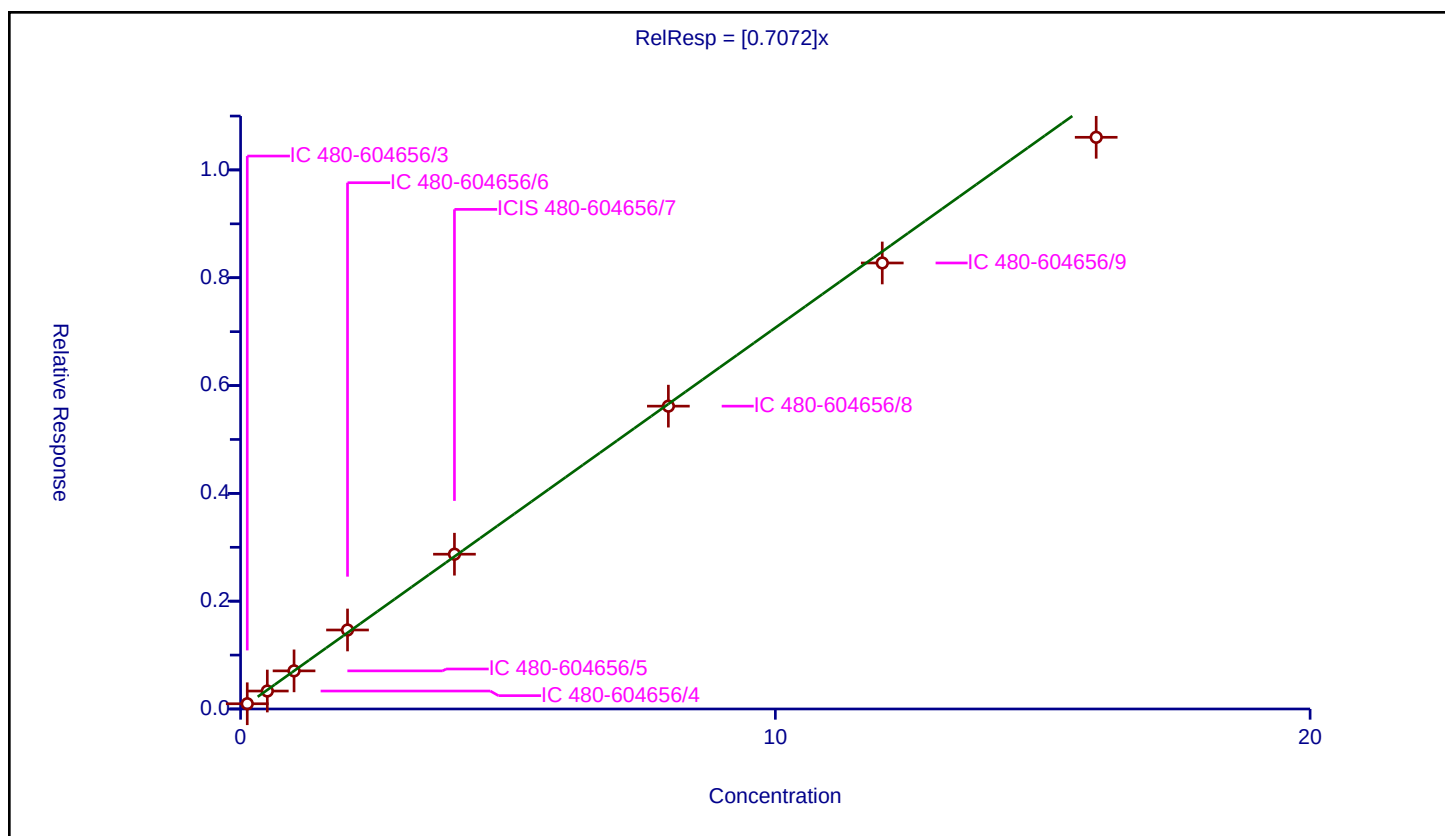
Curve Coefficients

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

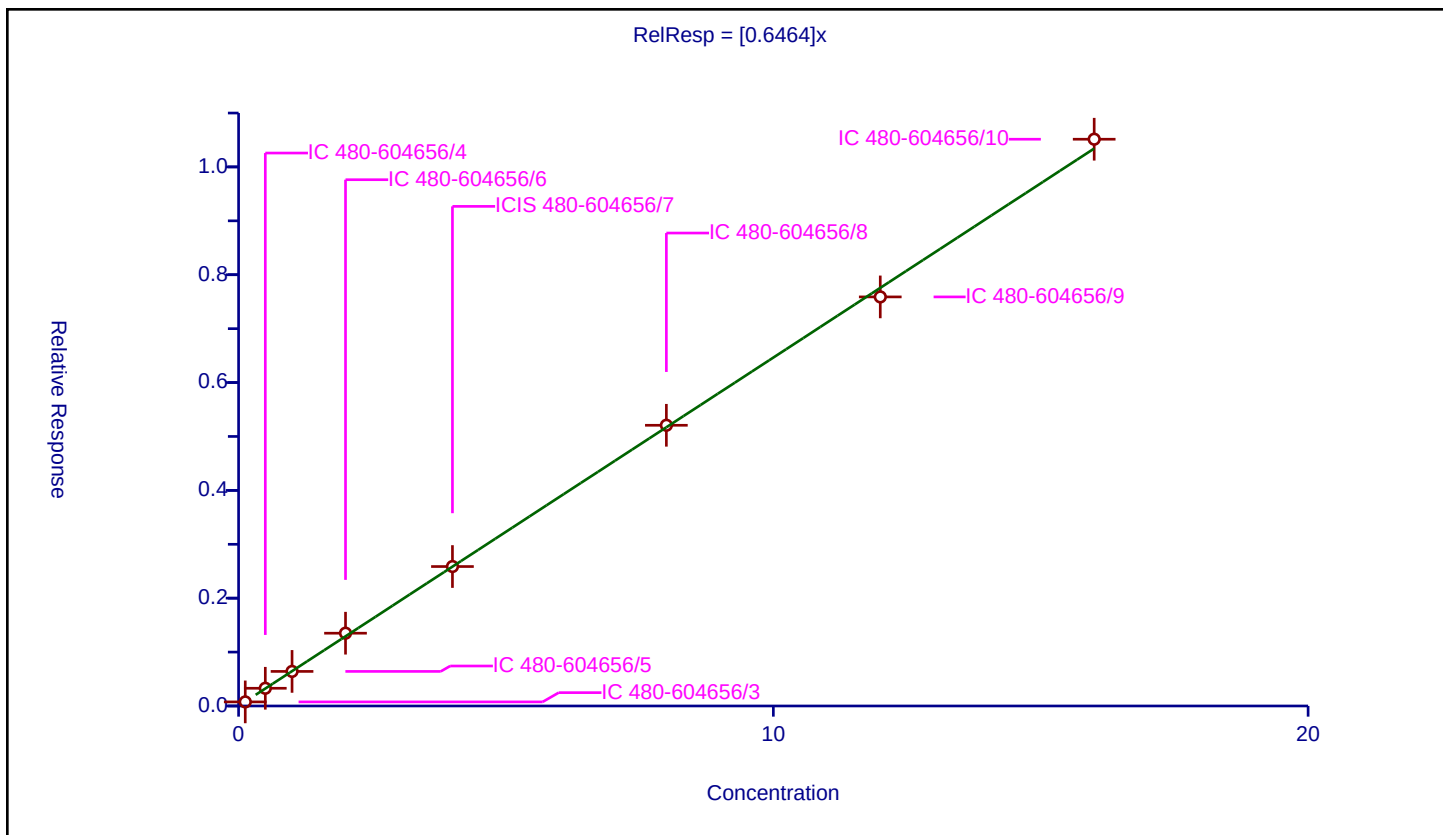
Curve Coefficients

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

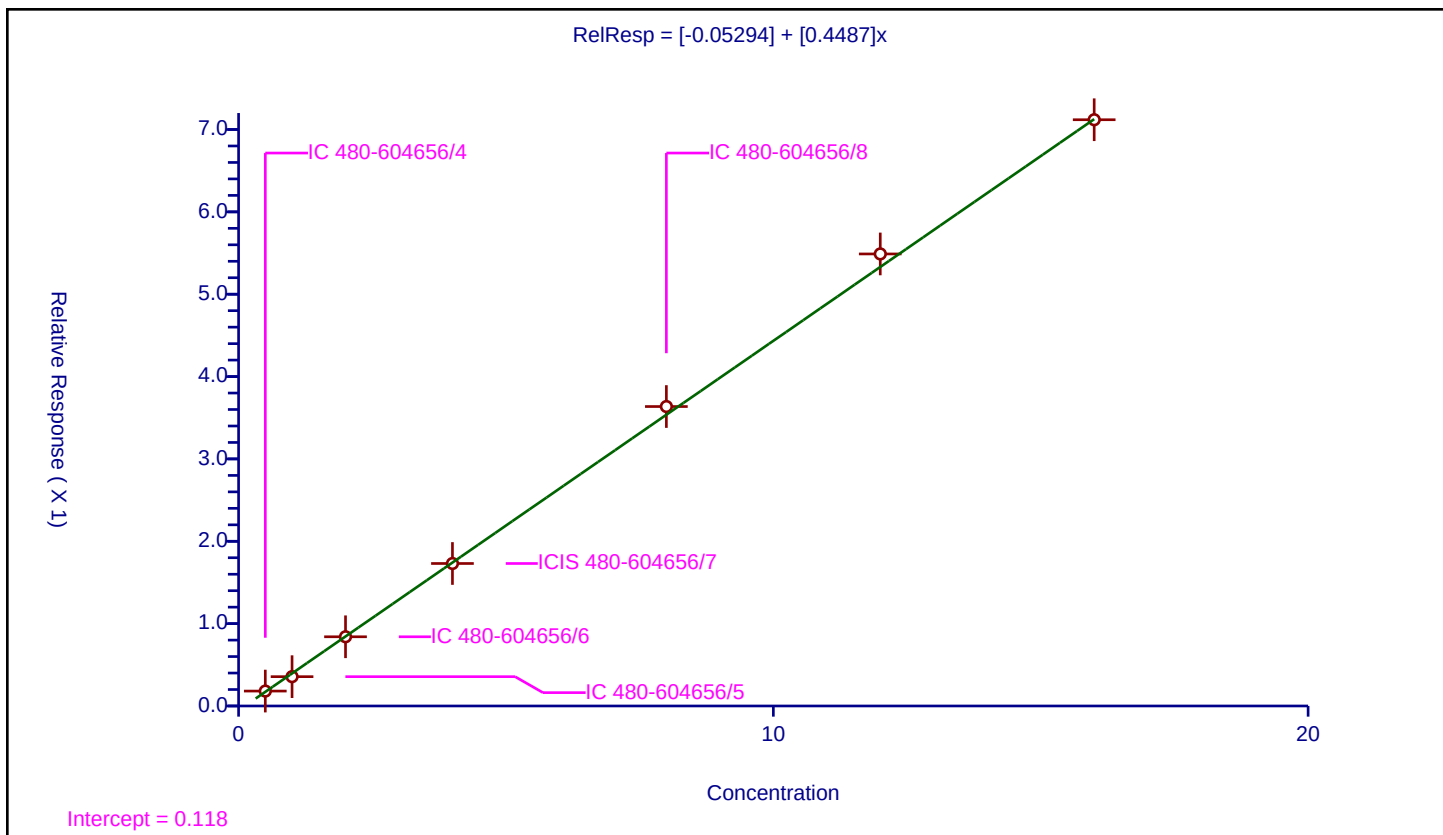
Curve Coefficients

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

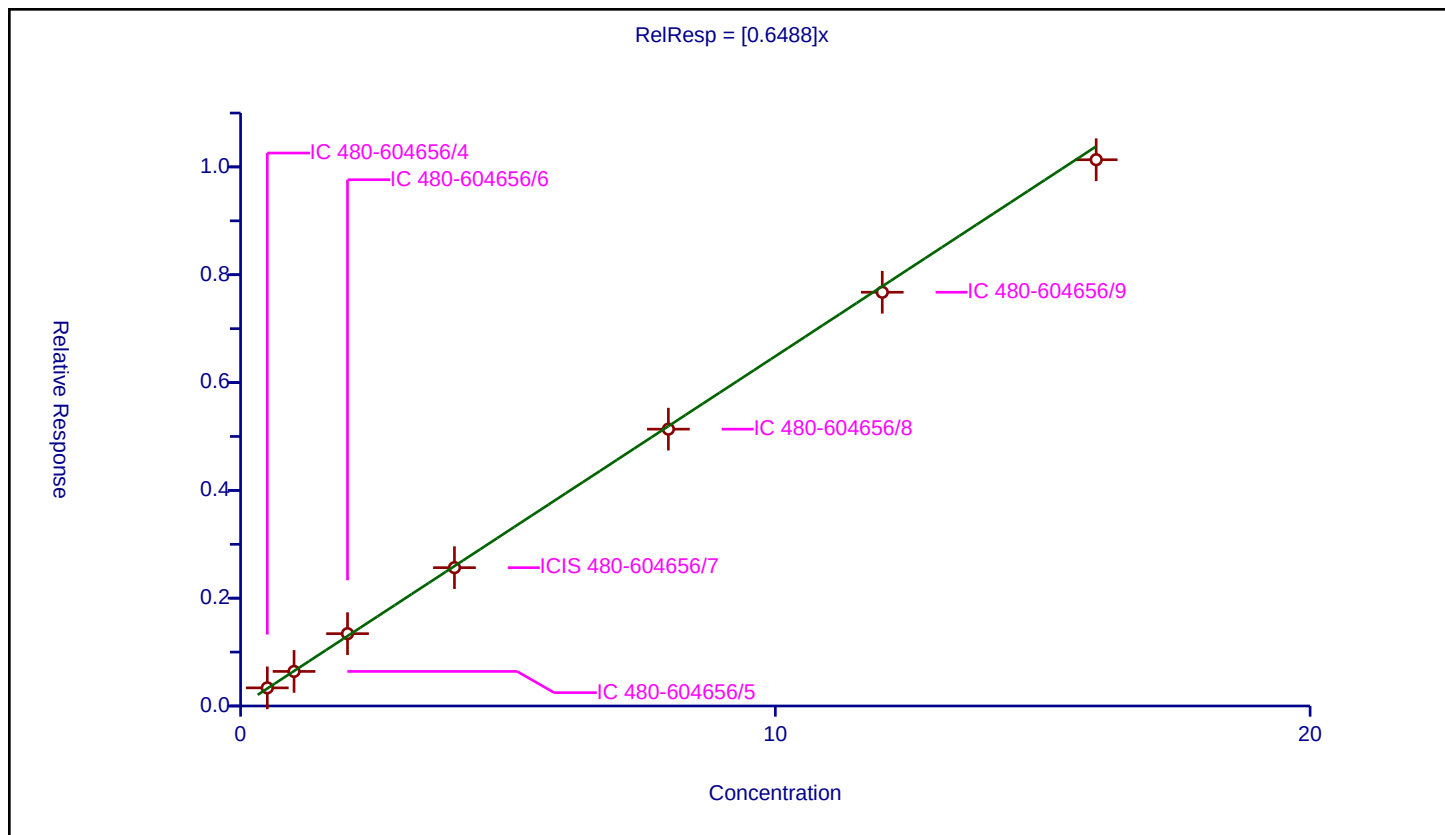
Curve Coefficients

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

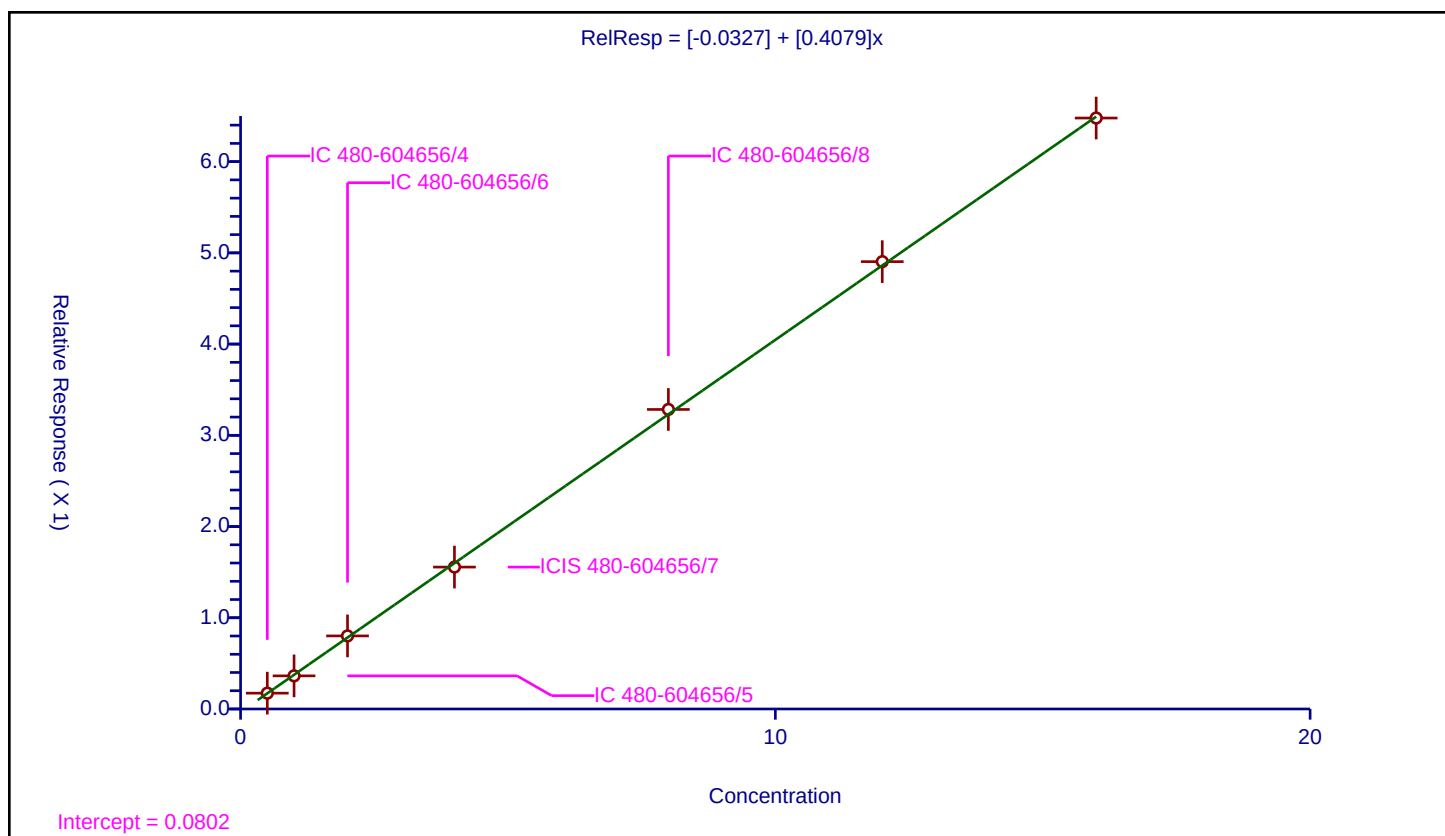
Curve Coefficients

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

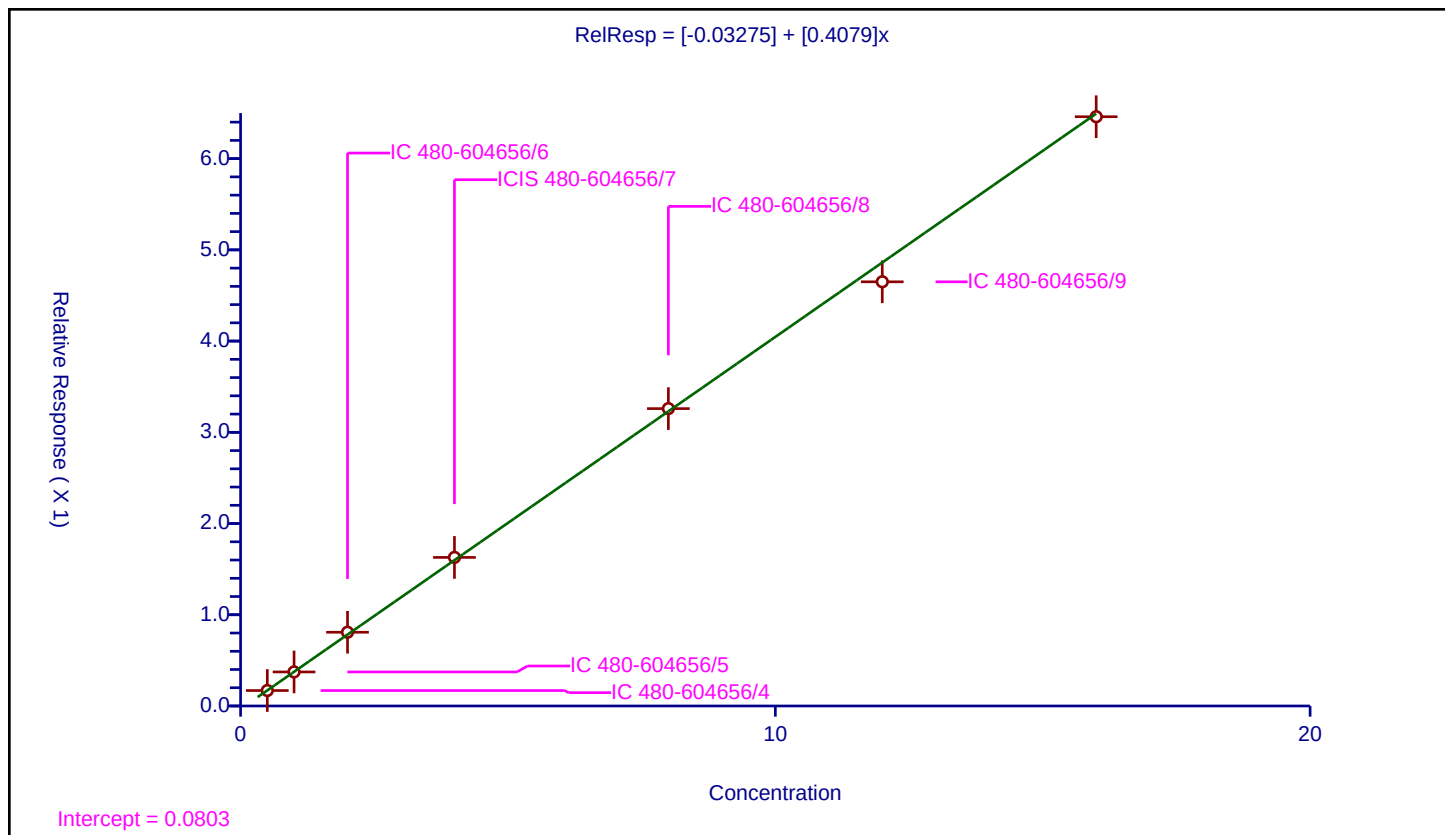
Curve Coefficients

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

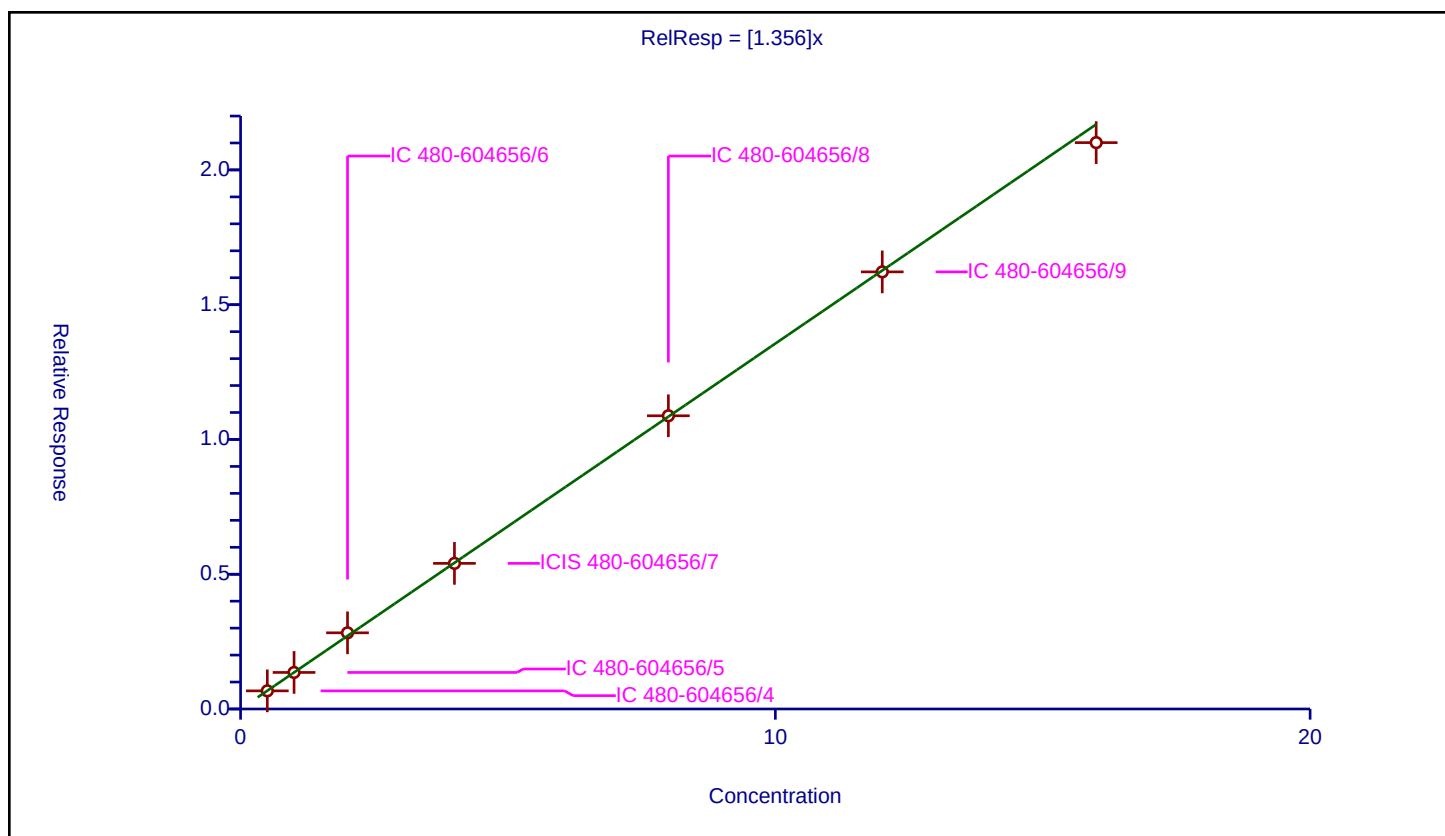
Curve Coefficients

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

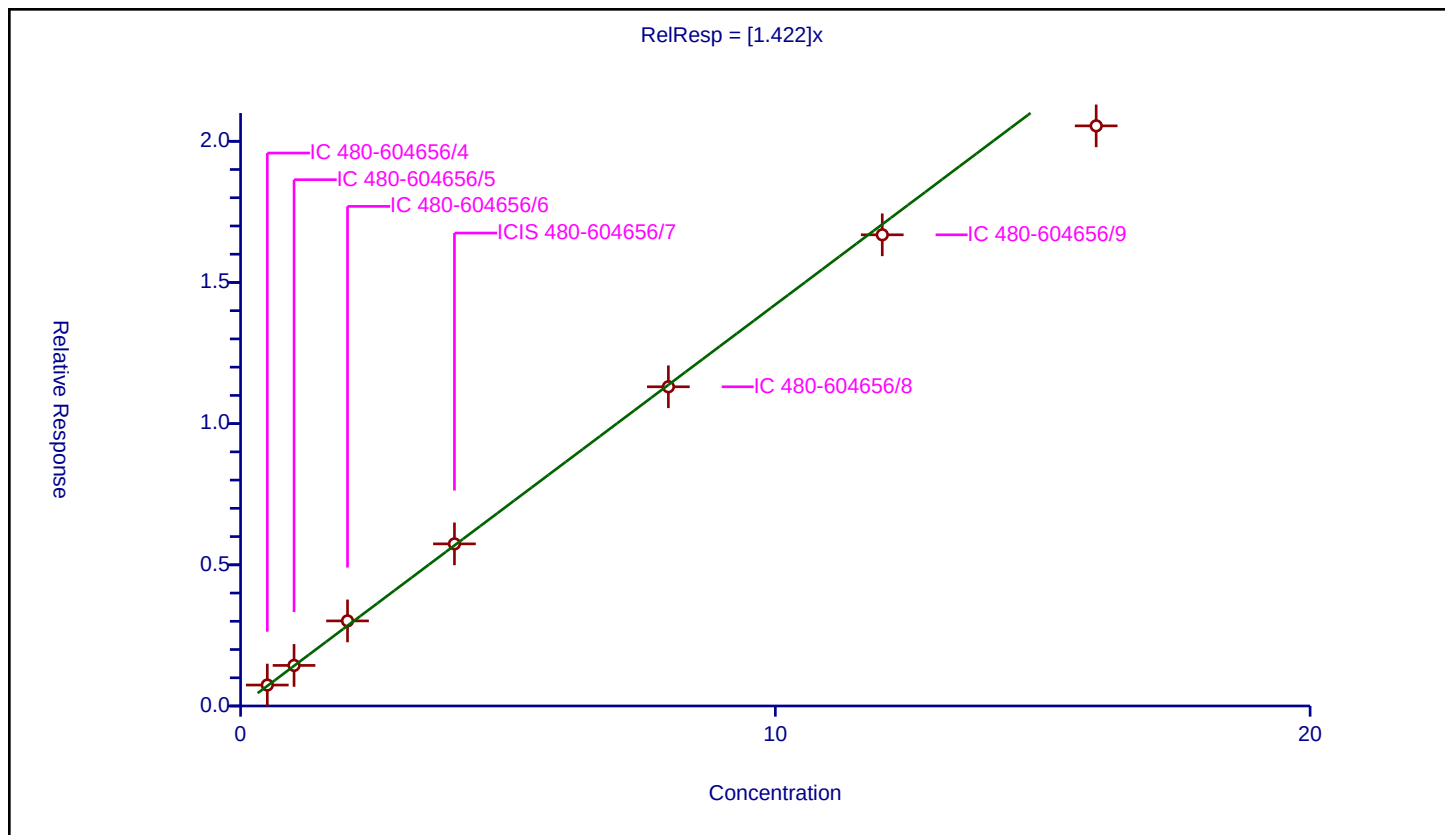
Curve Coefficients

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

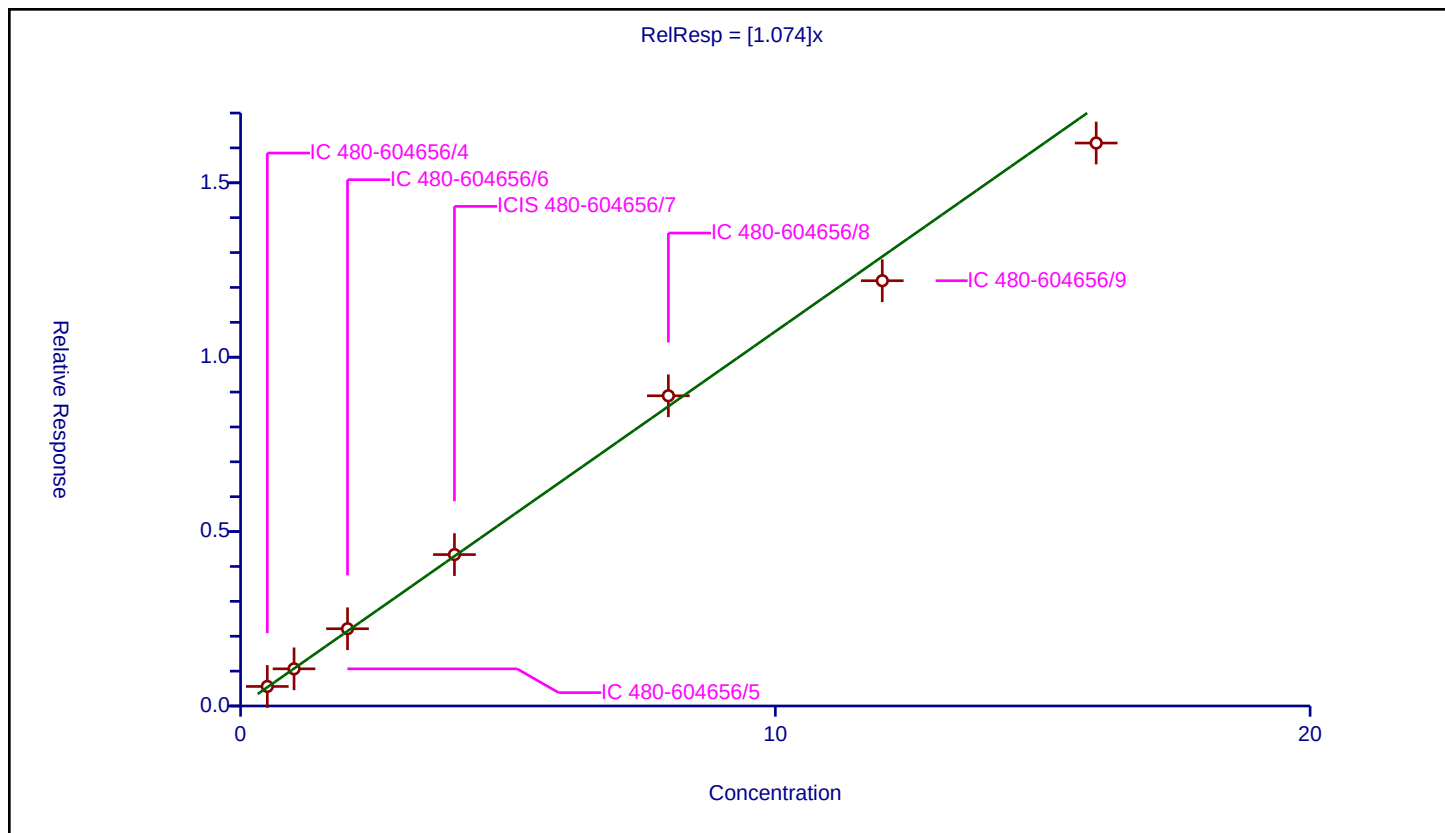
Curve Coefficients

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

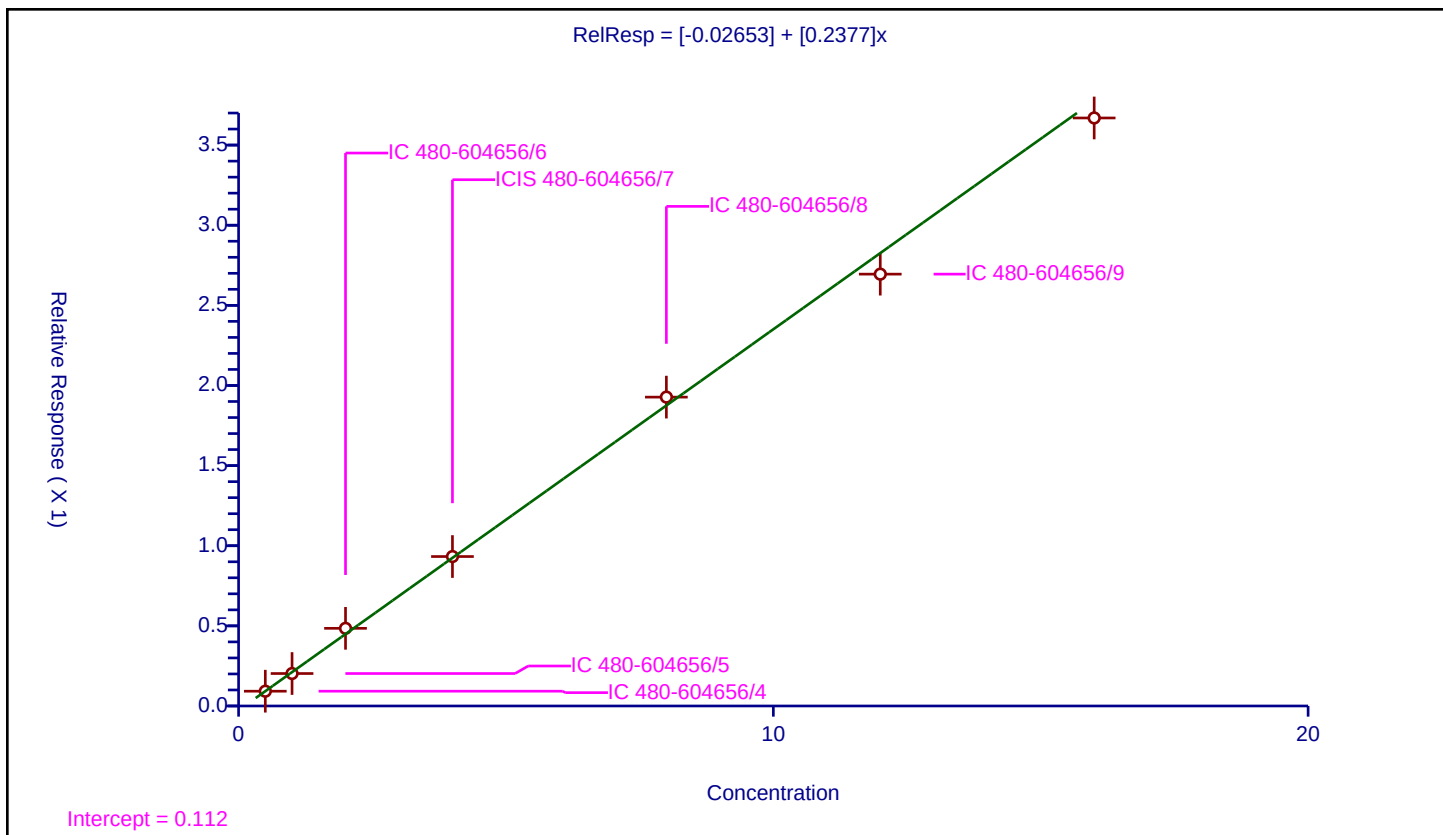
Curve Coefficients

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

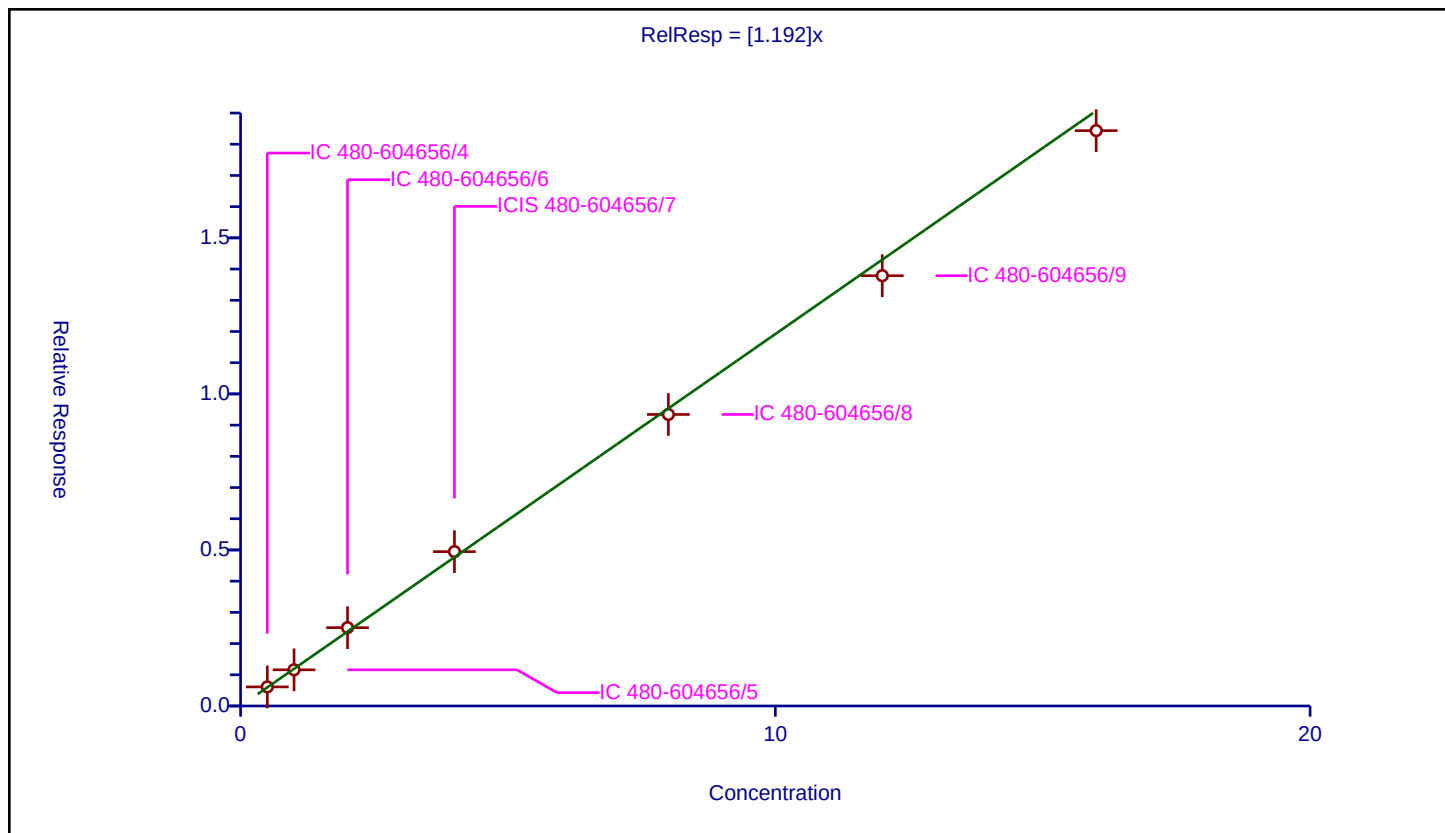
Curve Coefficients

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

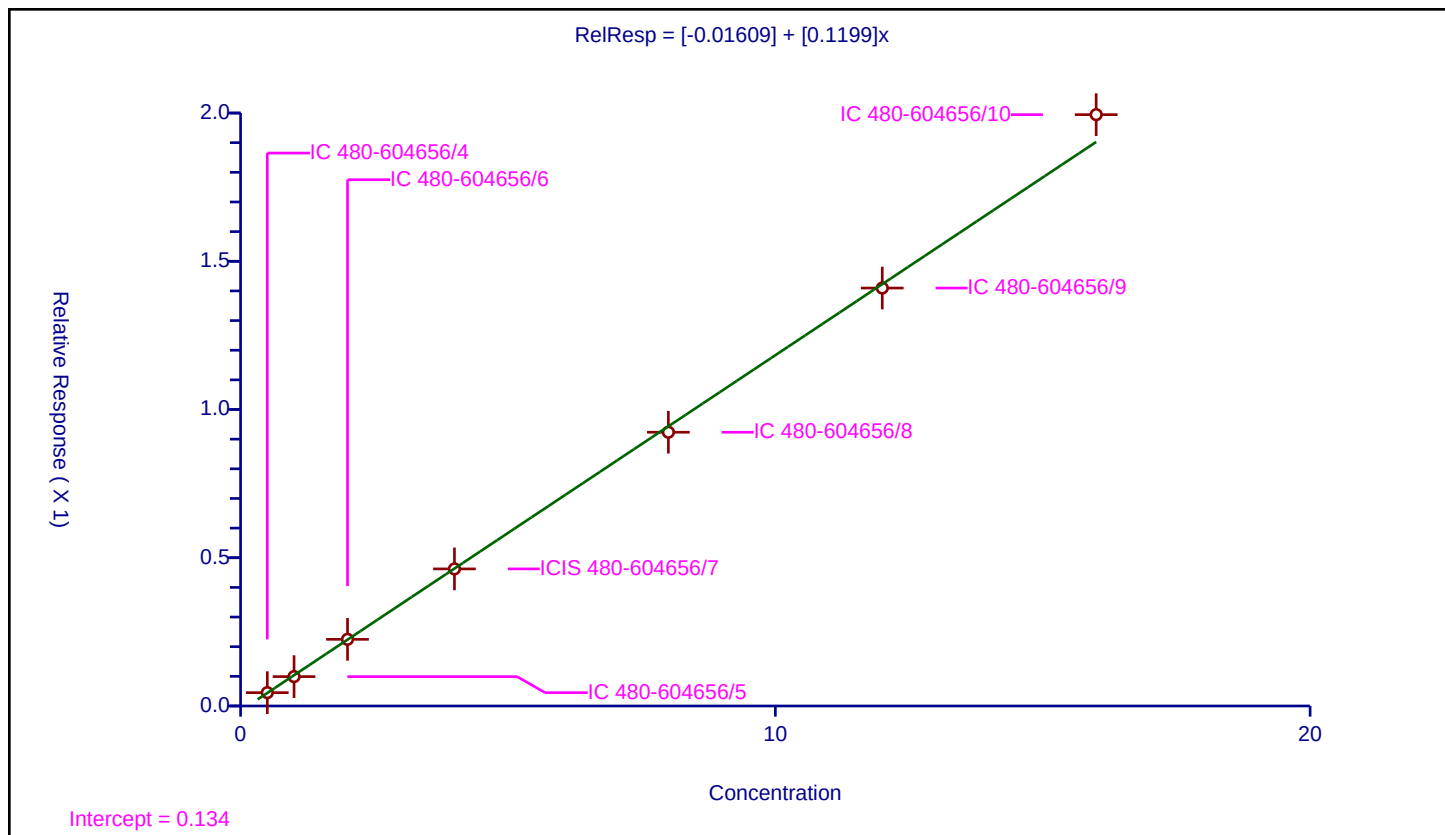
Curve Coefficients

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

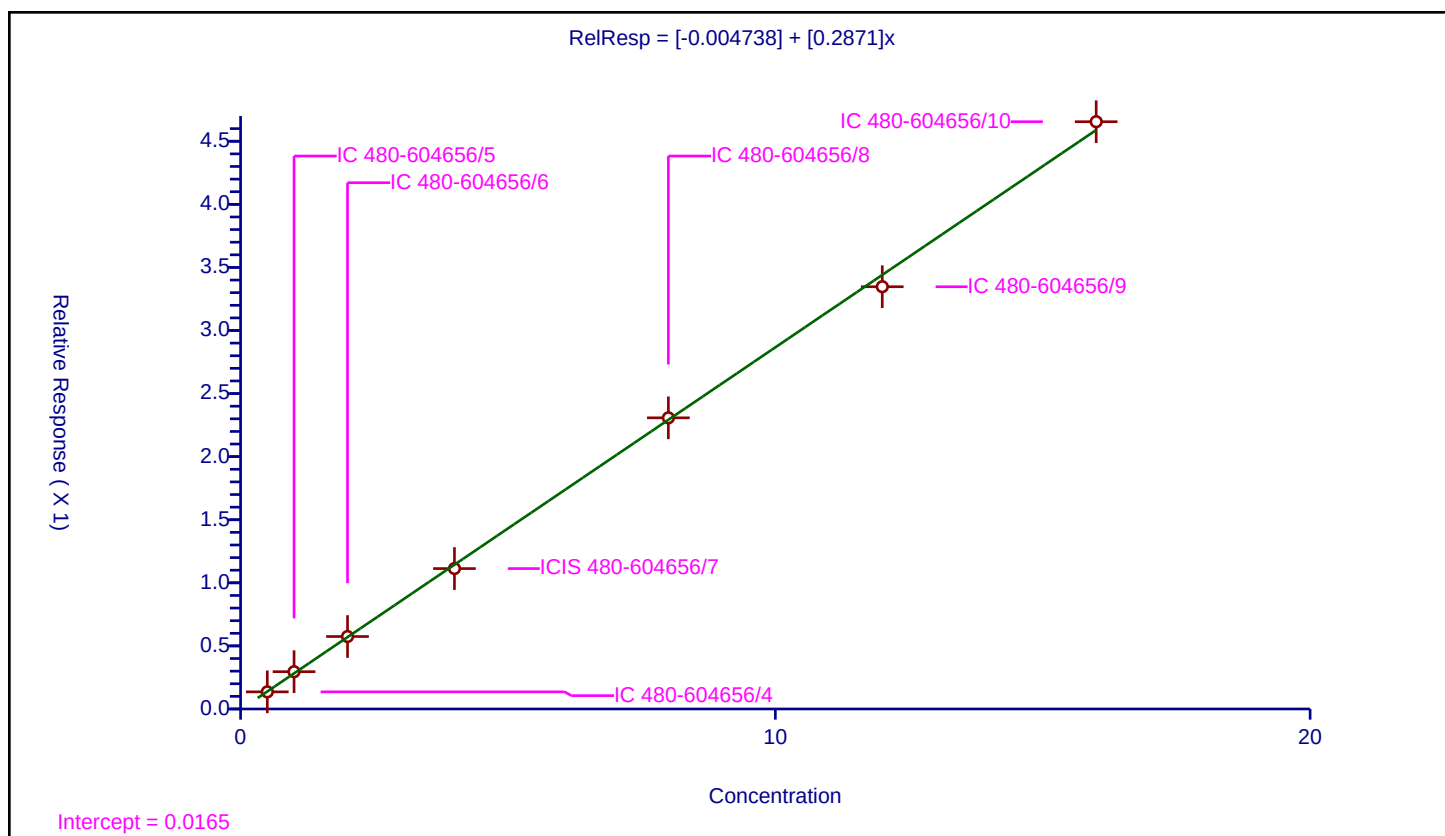
Curve Coefficients

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

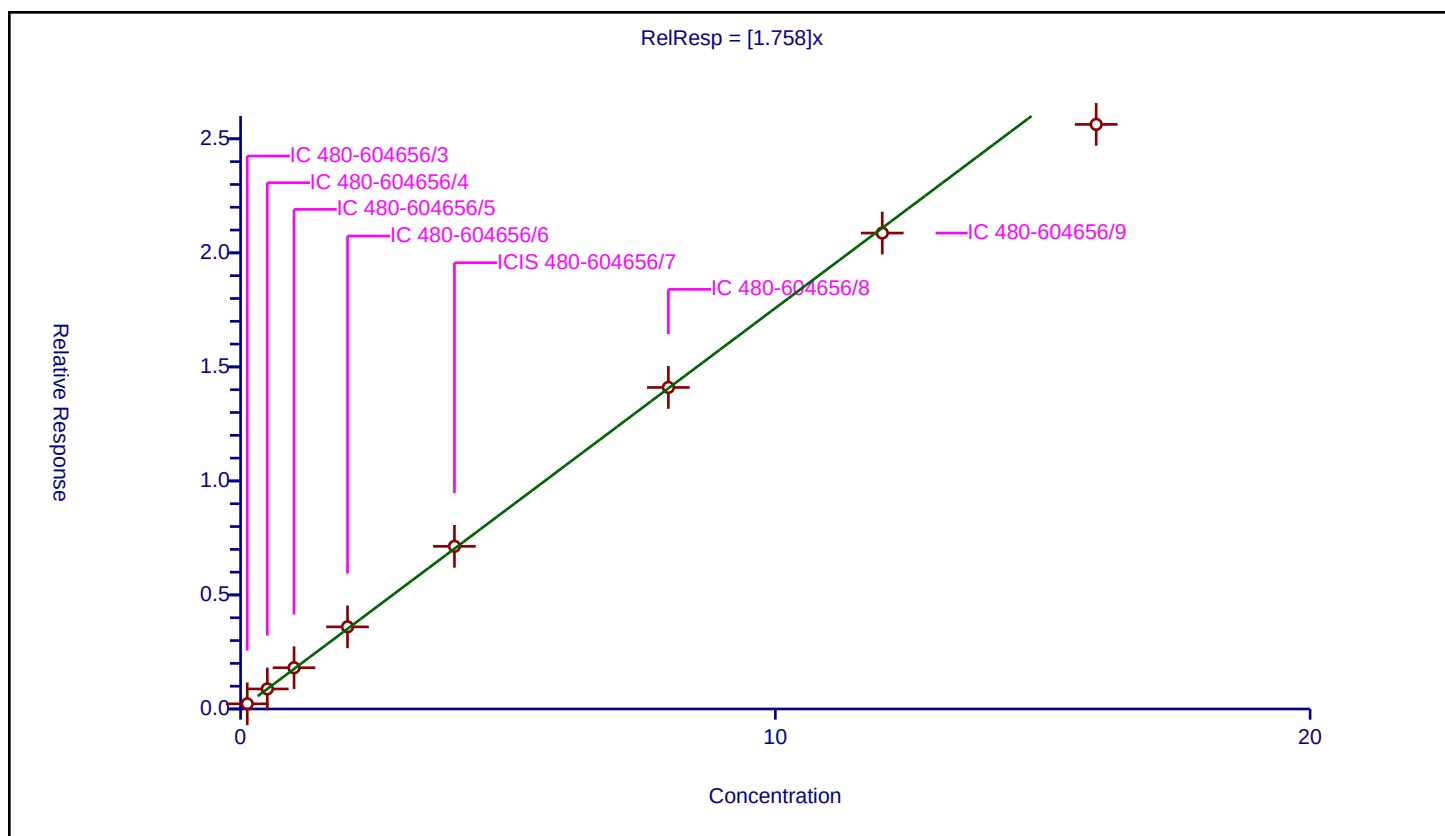
Curve Coefficients

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

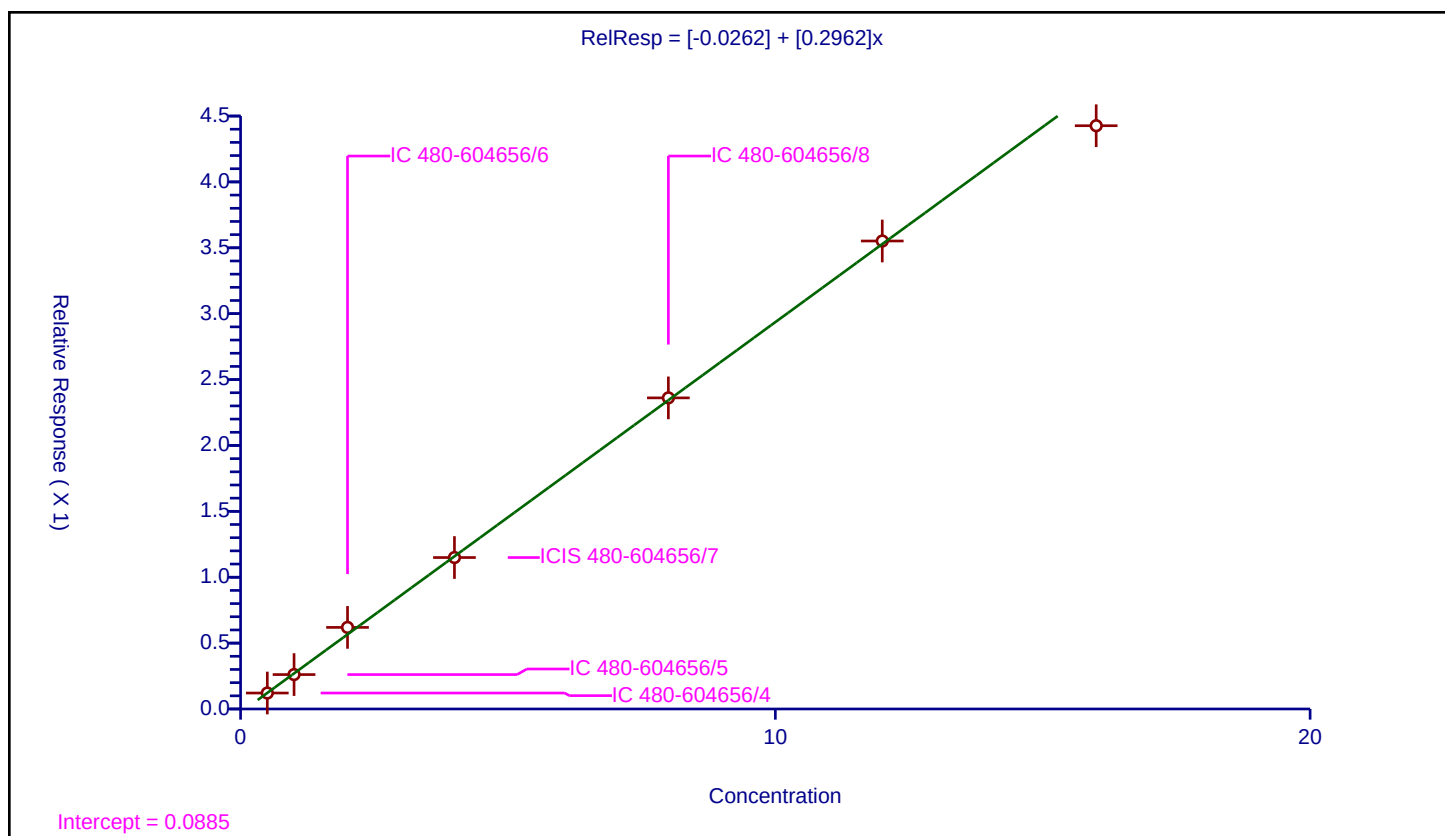
Curve Coefficients

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

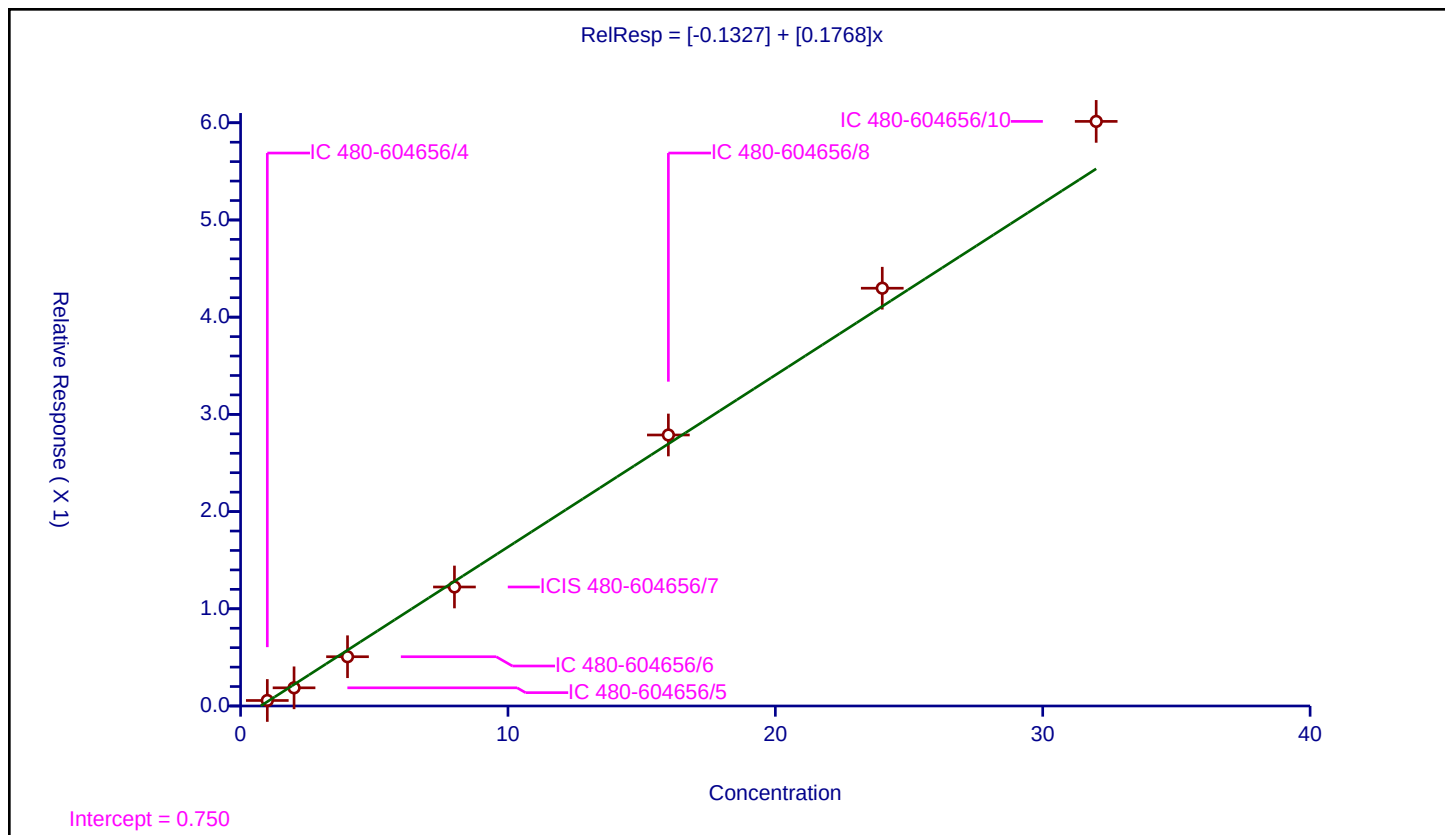
Curve Coefficients

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

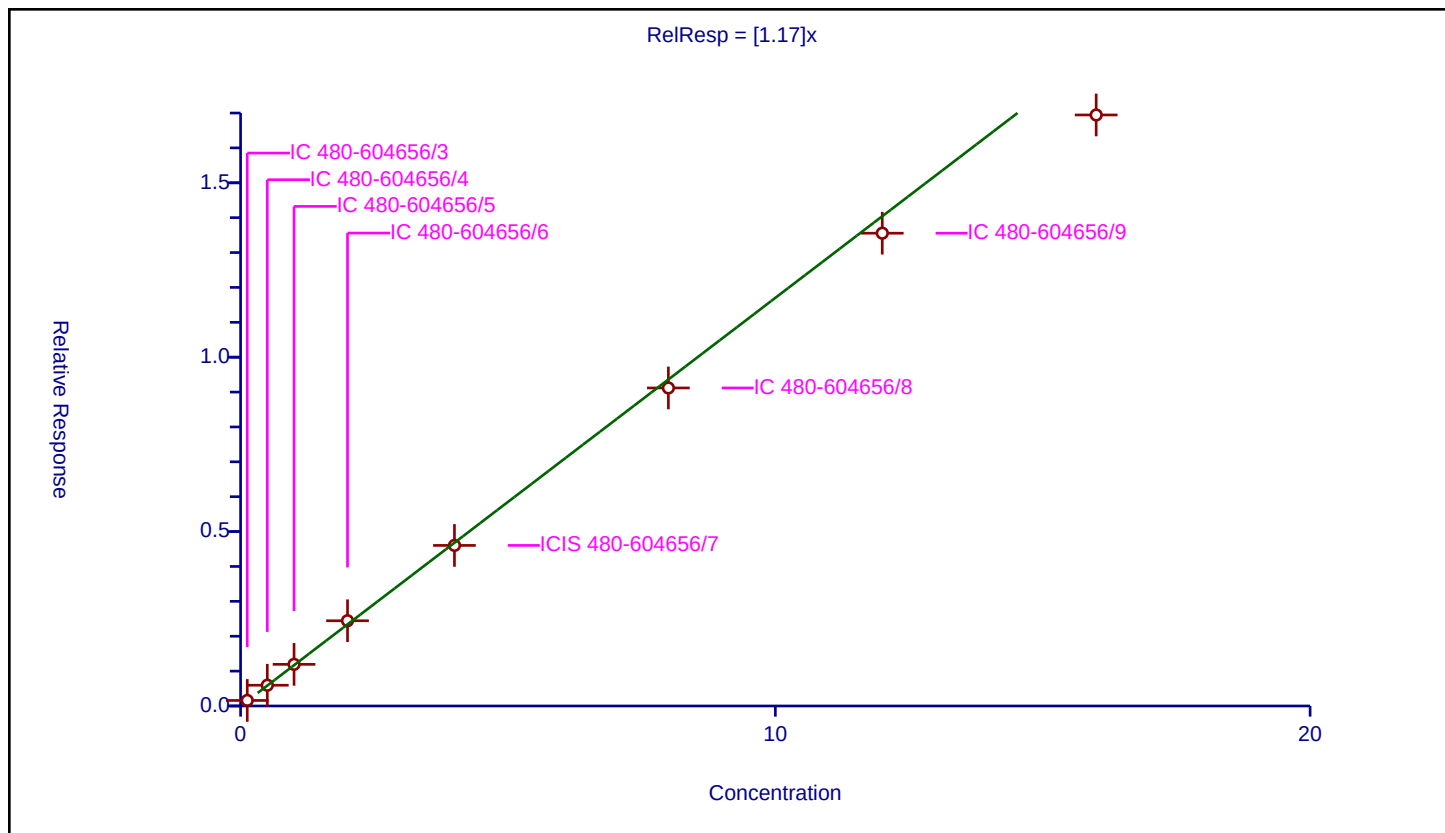
Curve Coefficients

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

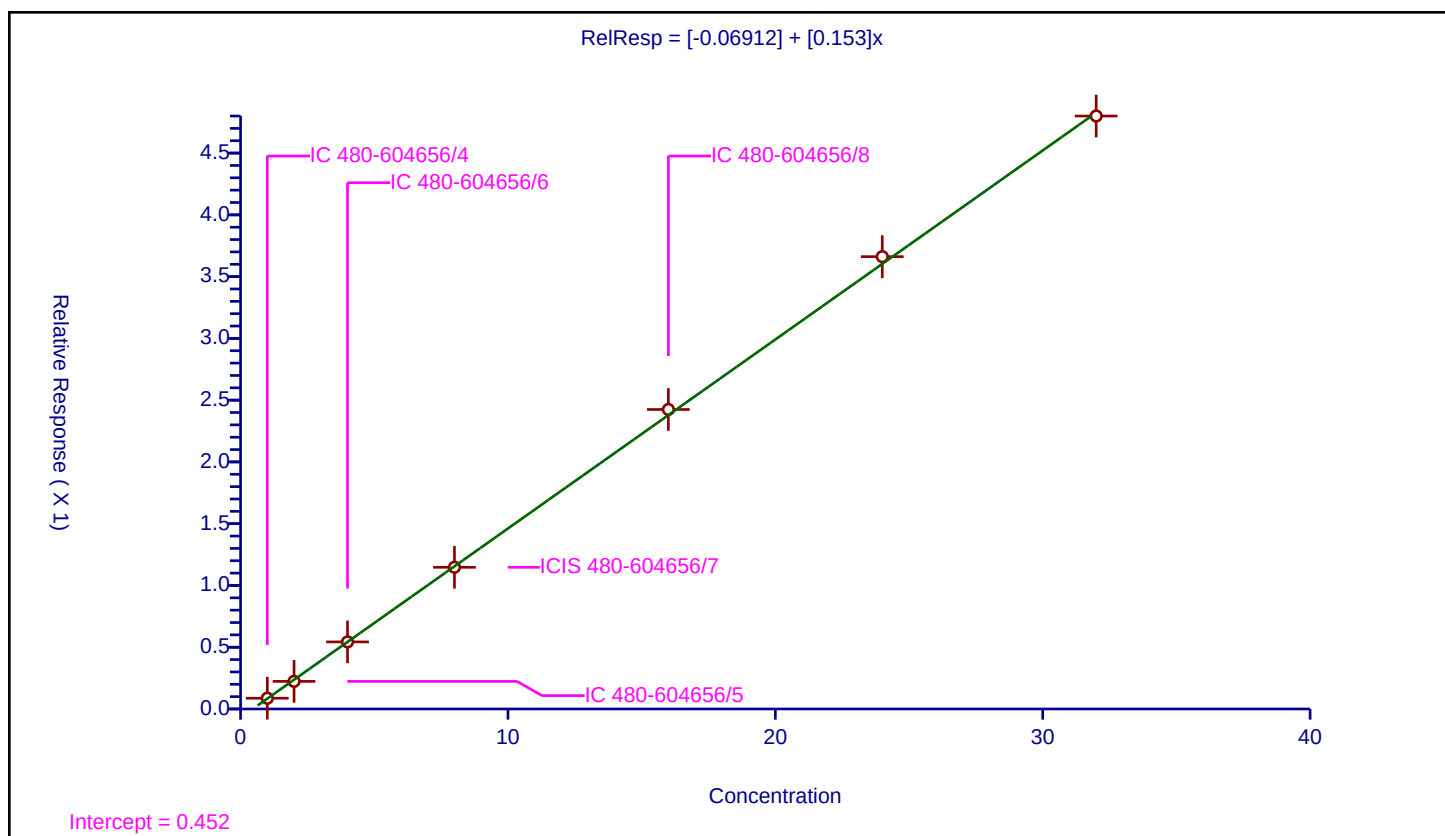
Curve Coefficients

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

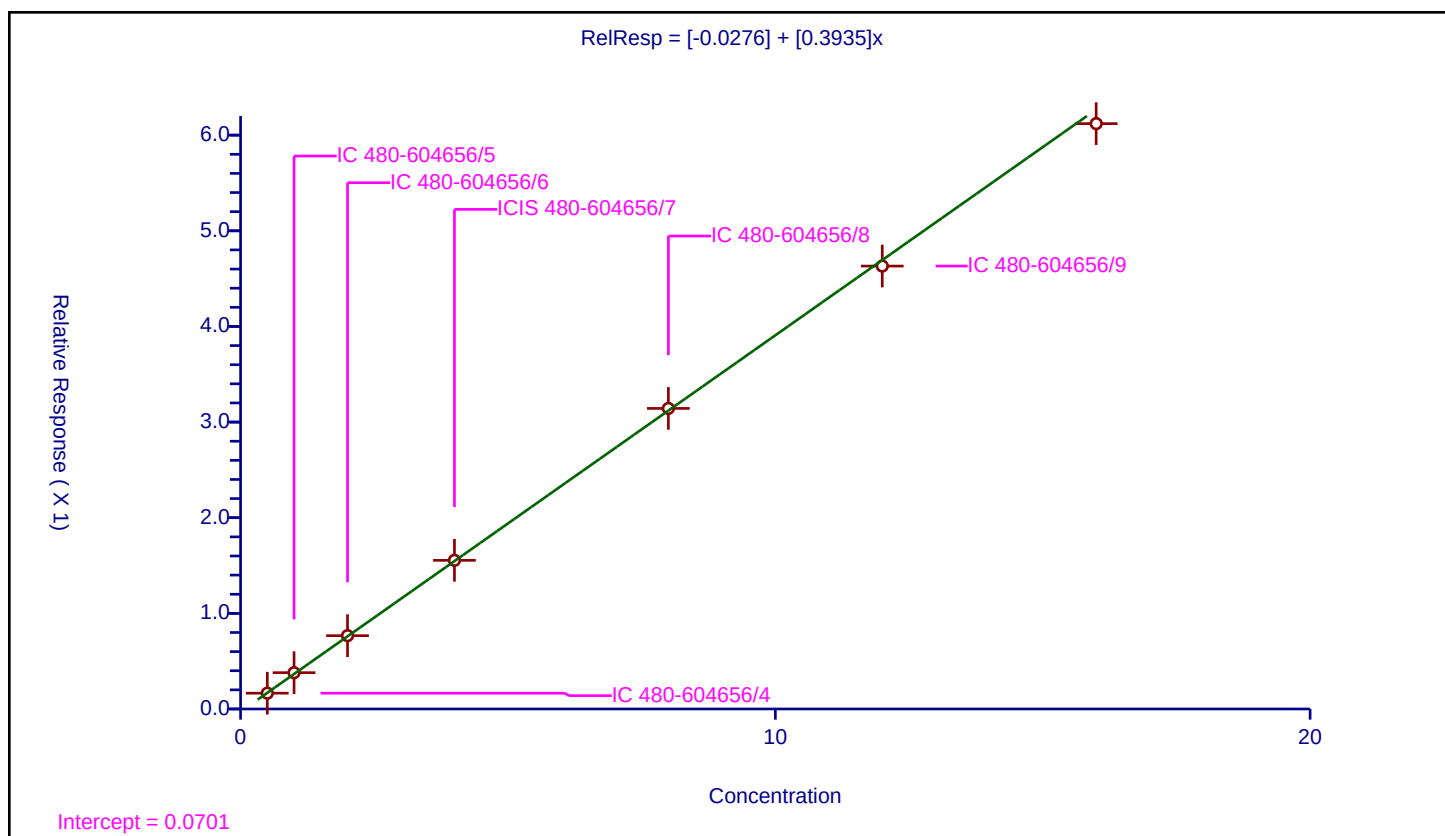
Curve Coefficients

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

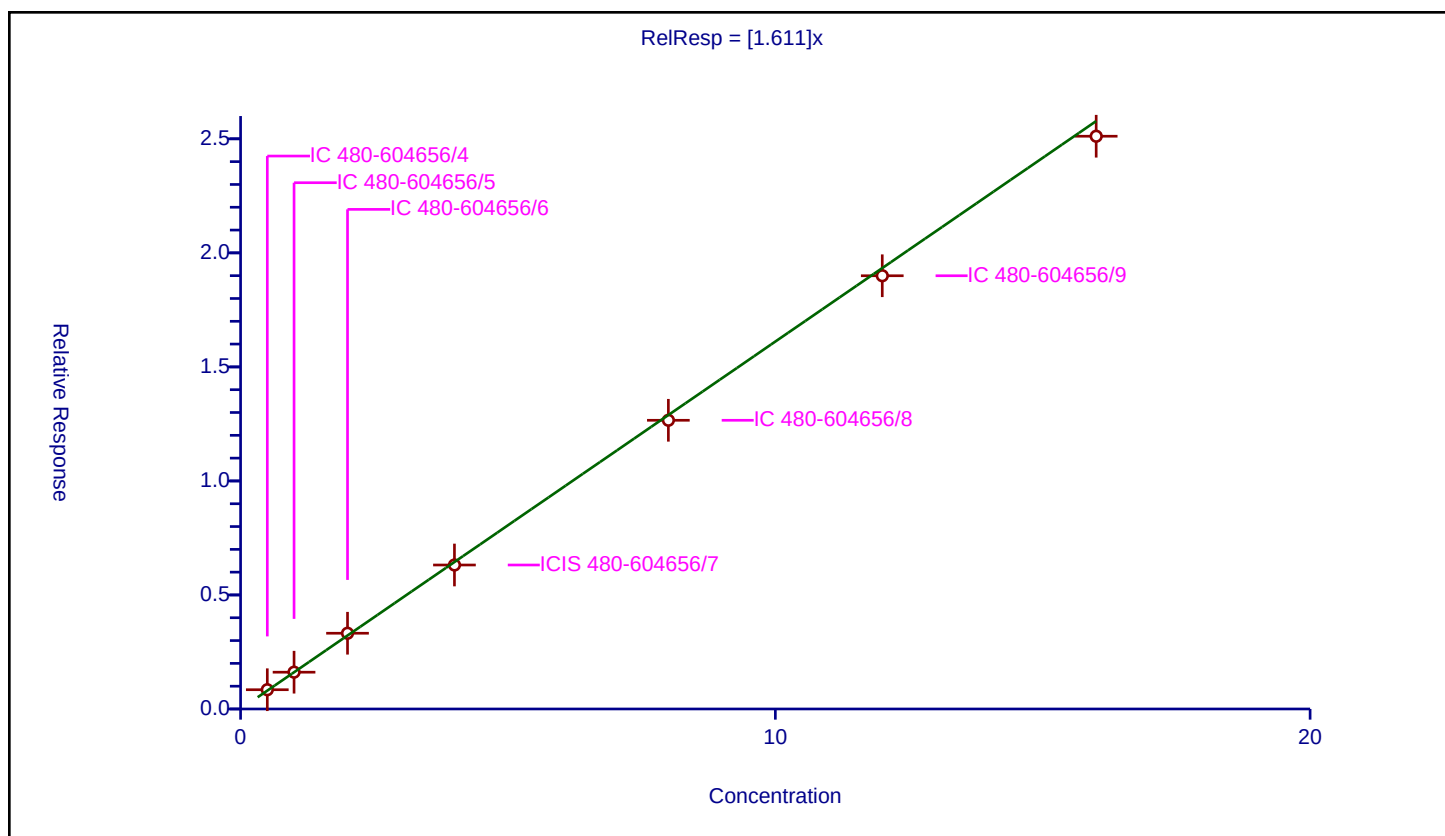
Curve Coefficients

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

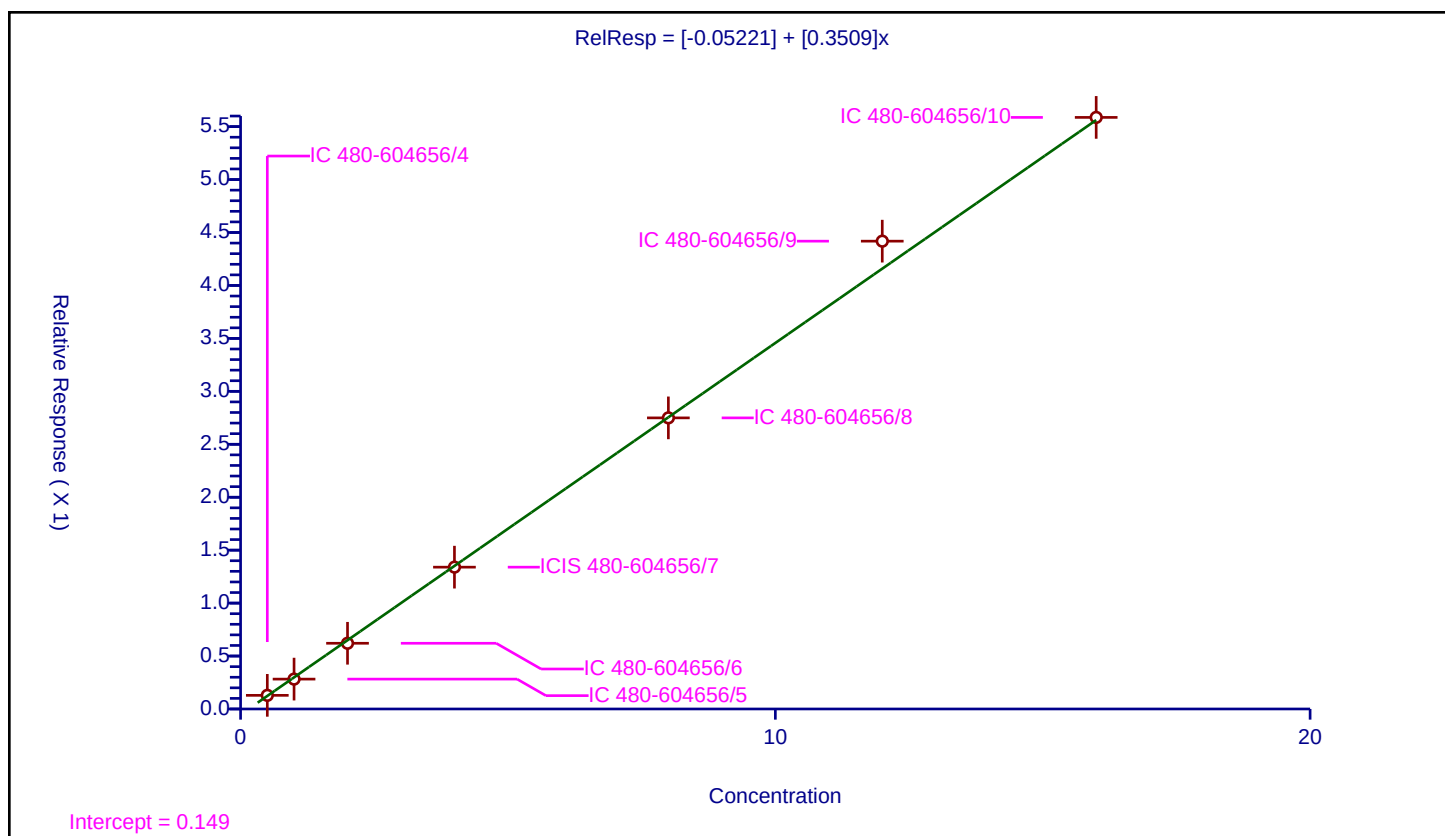
Curve Coefficients

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

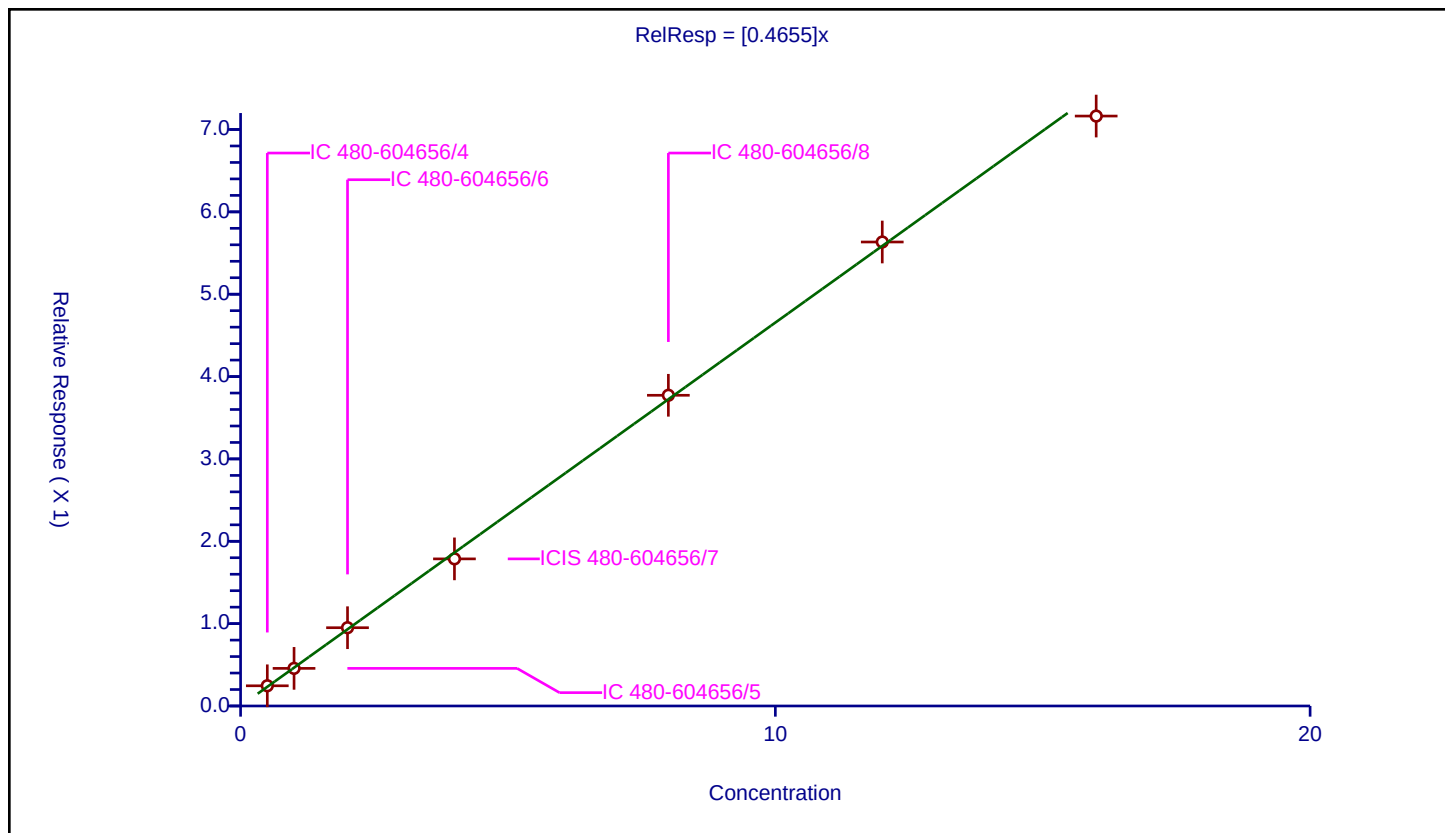
Curve Coefficients

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

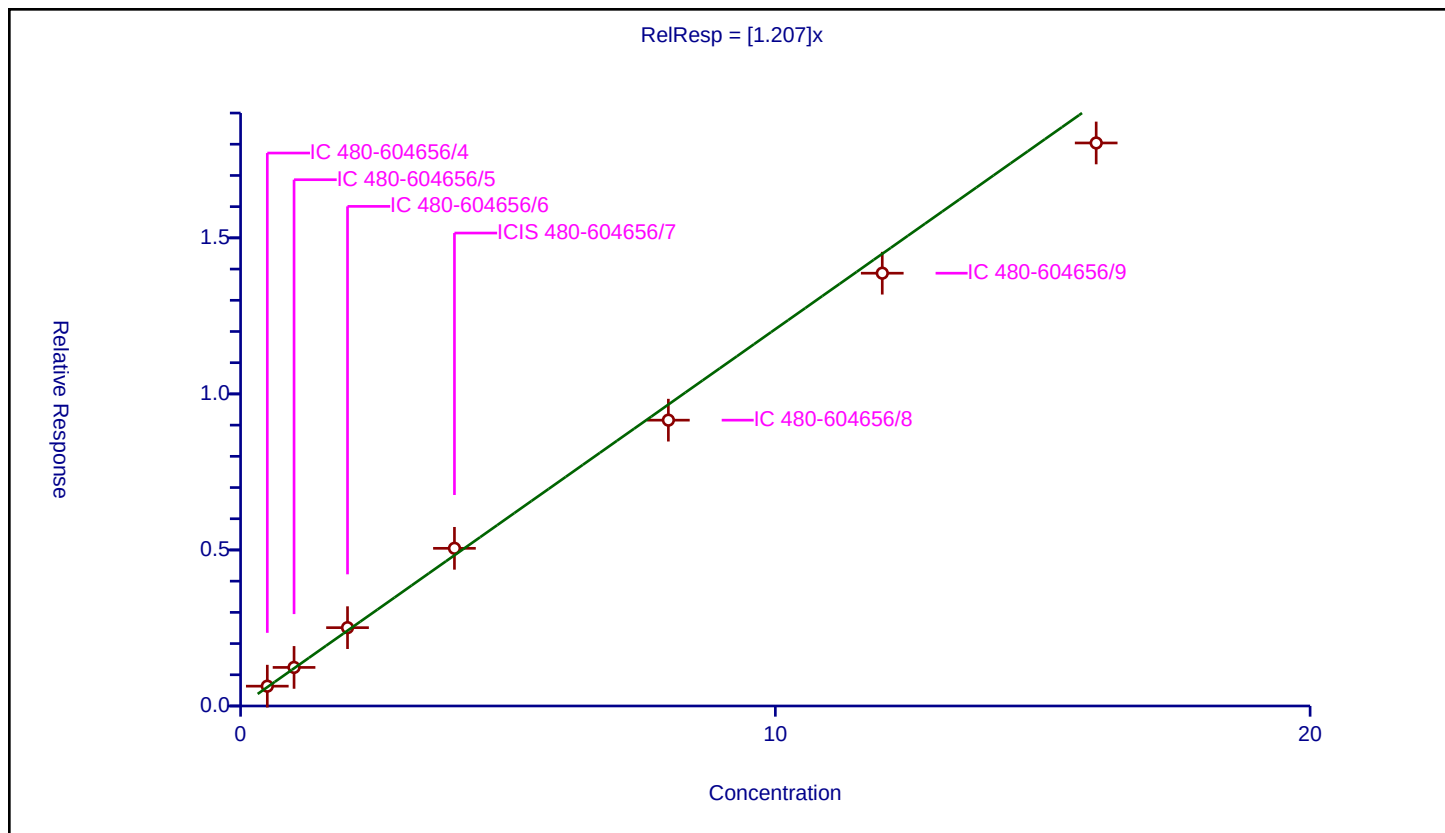
Curve Coefficients

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

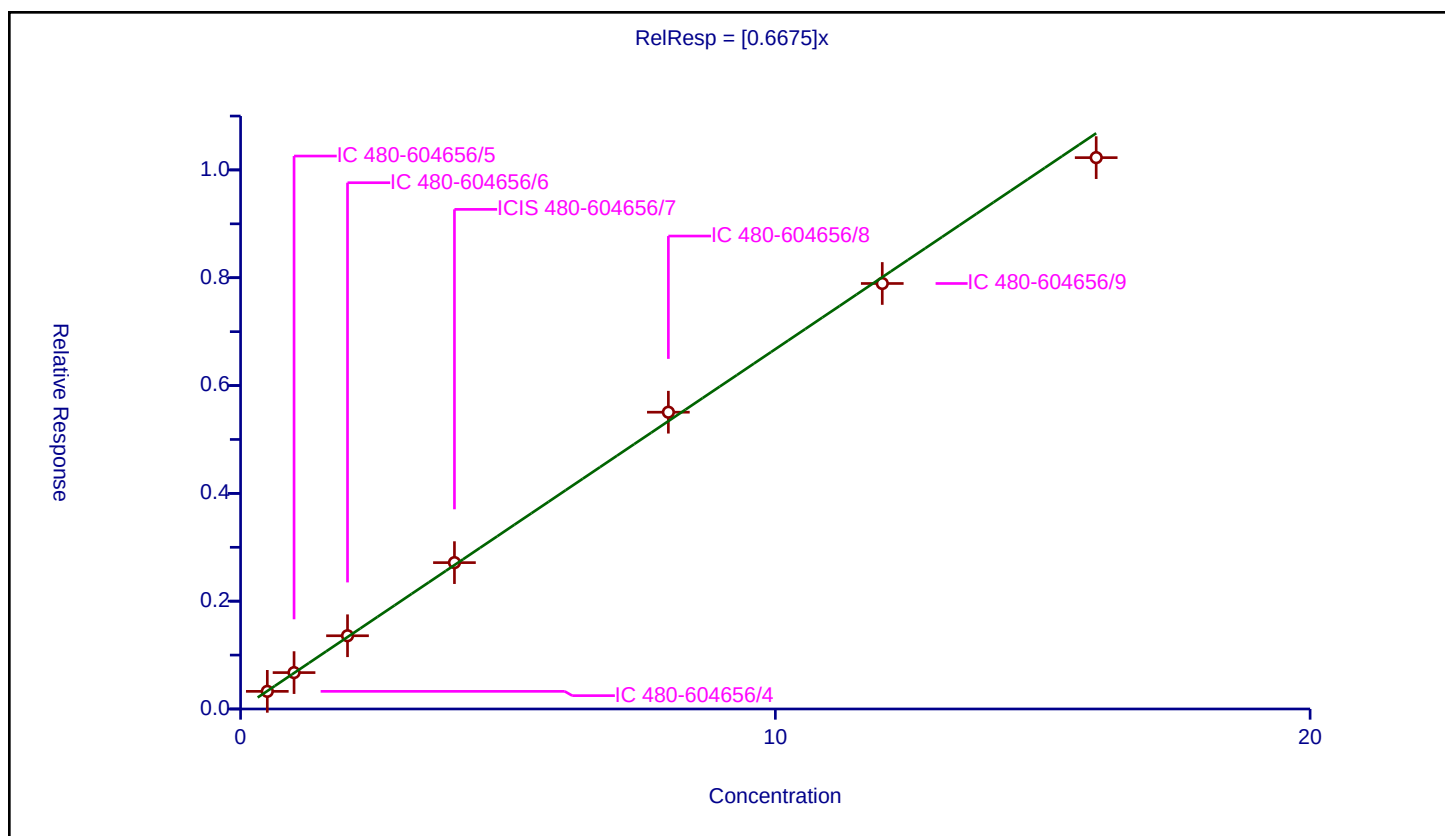
Curve Coefficients

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

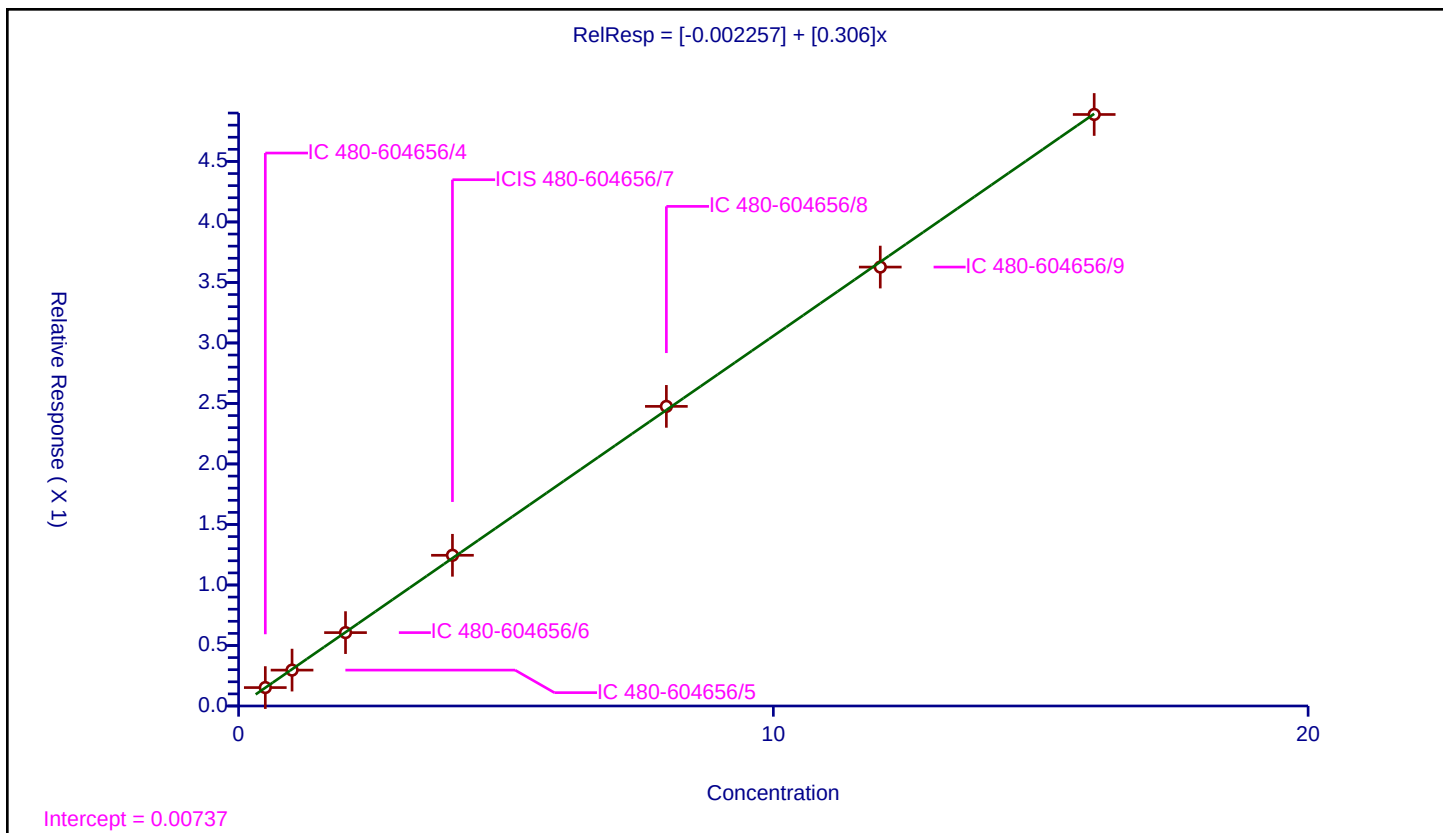
Curve Coefficients

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

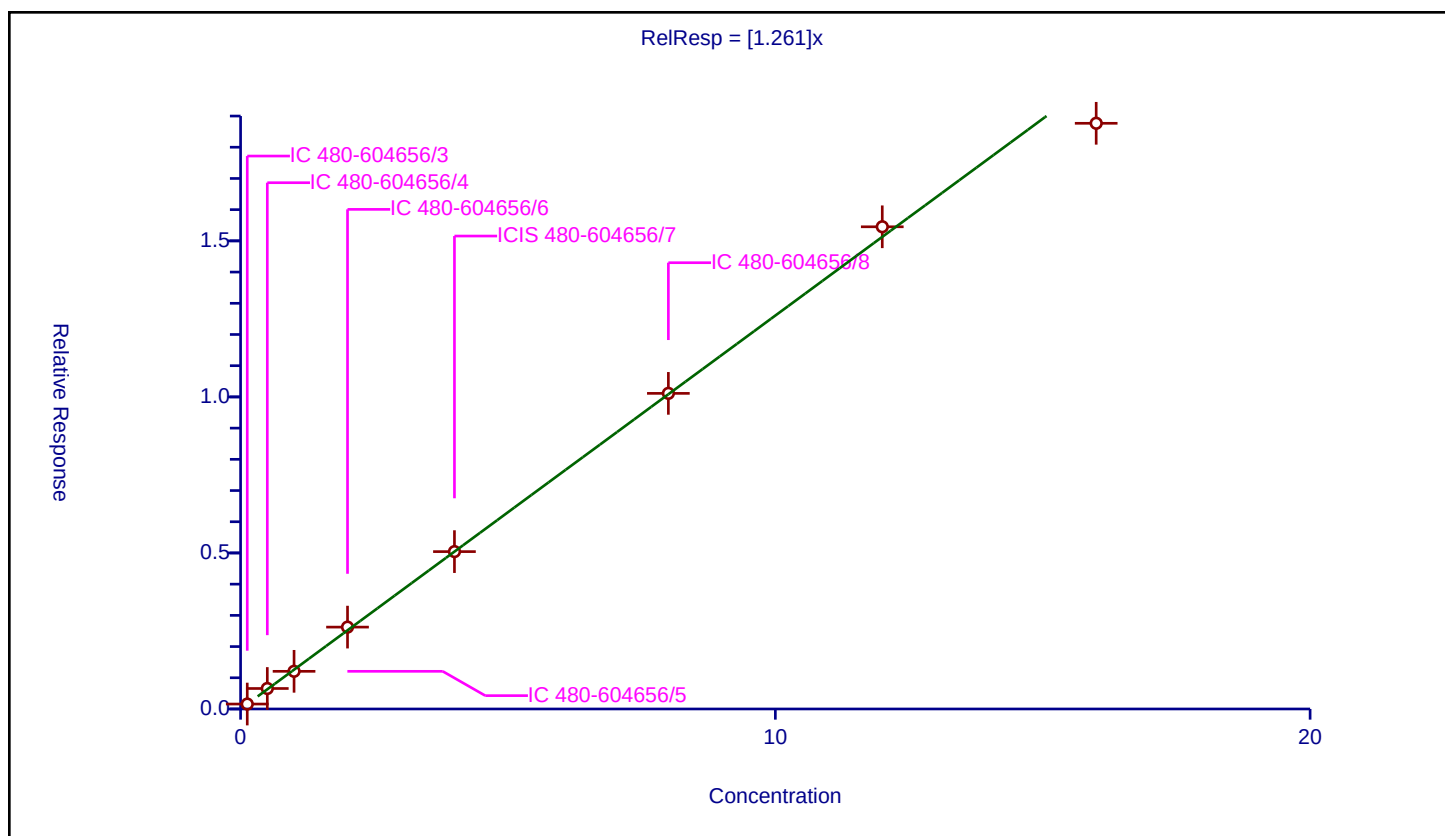
Curve Coefficients

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

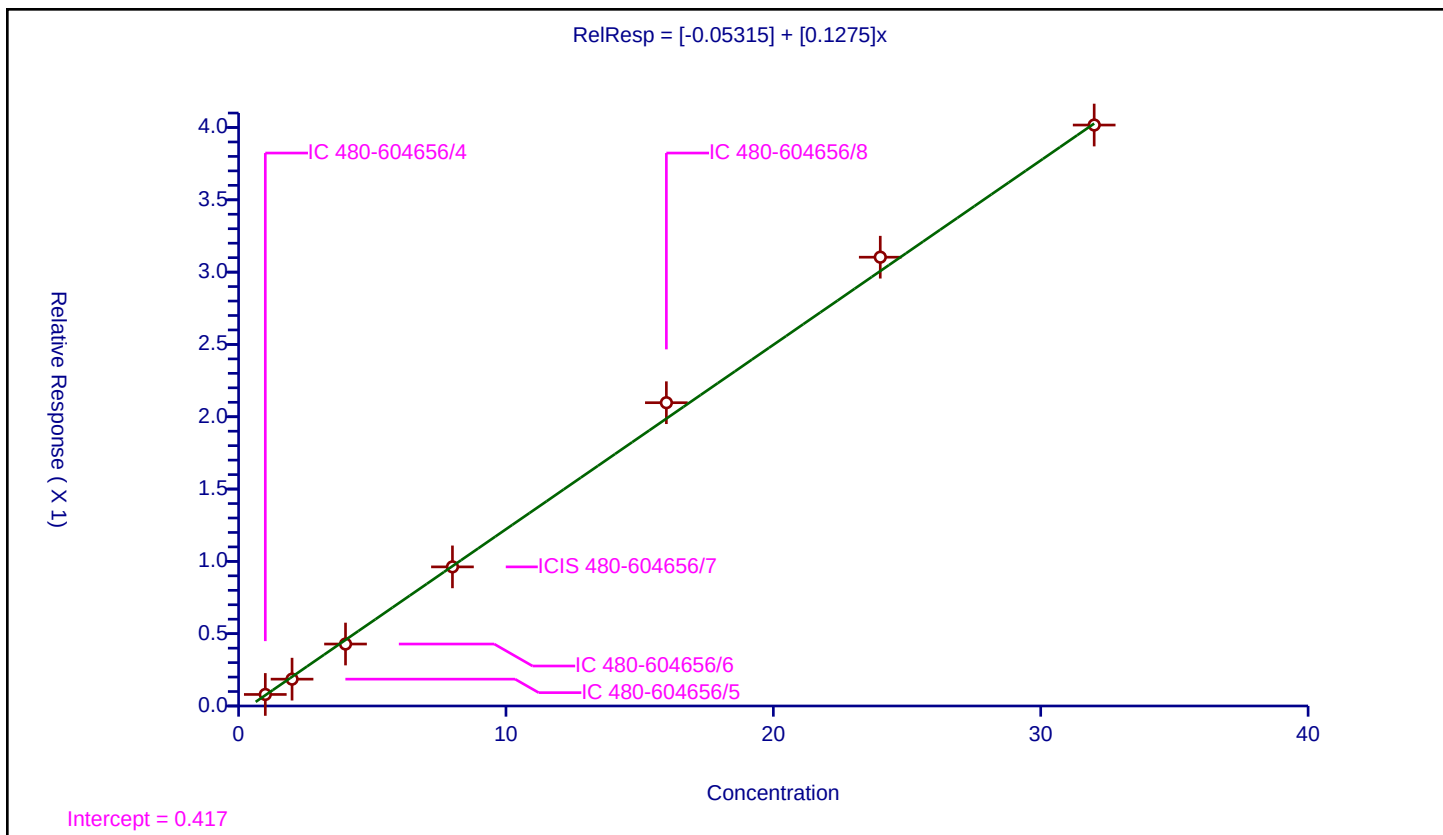
Curve Coefficients

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

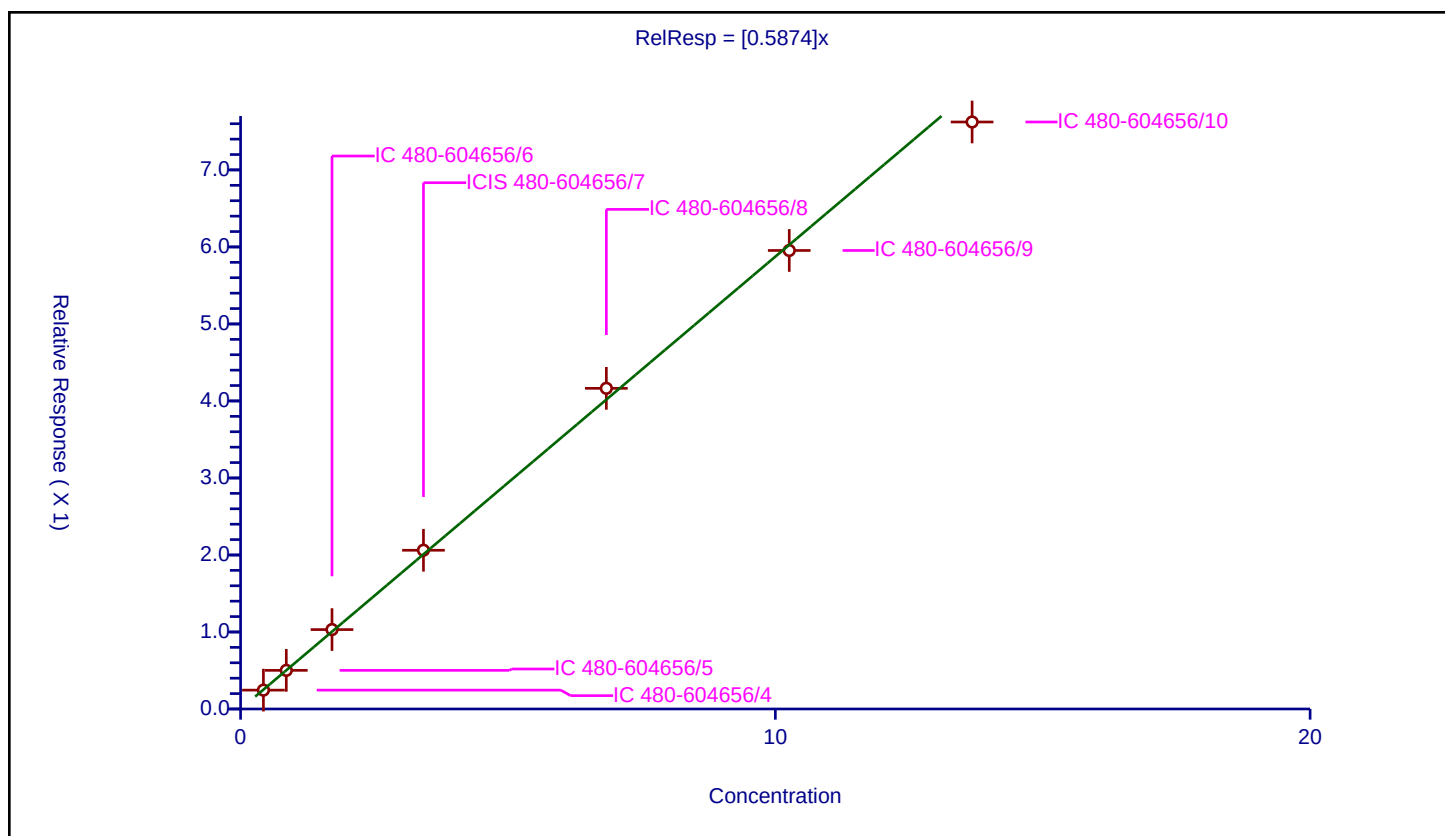
Curve Coefficients

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

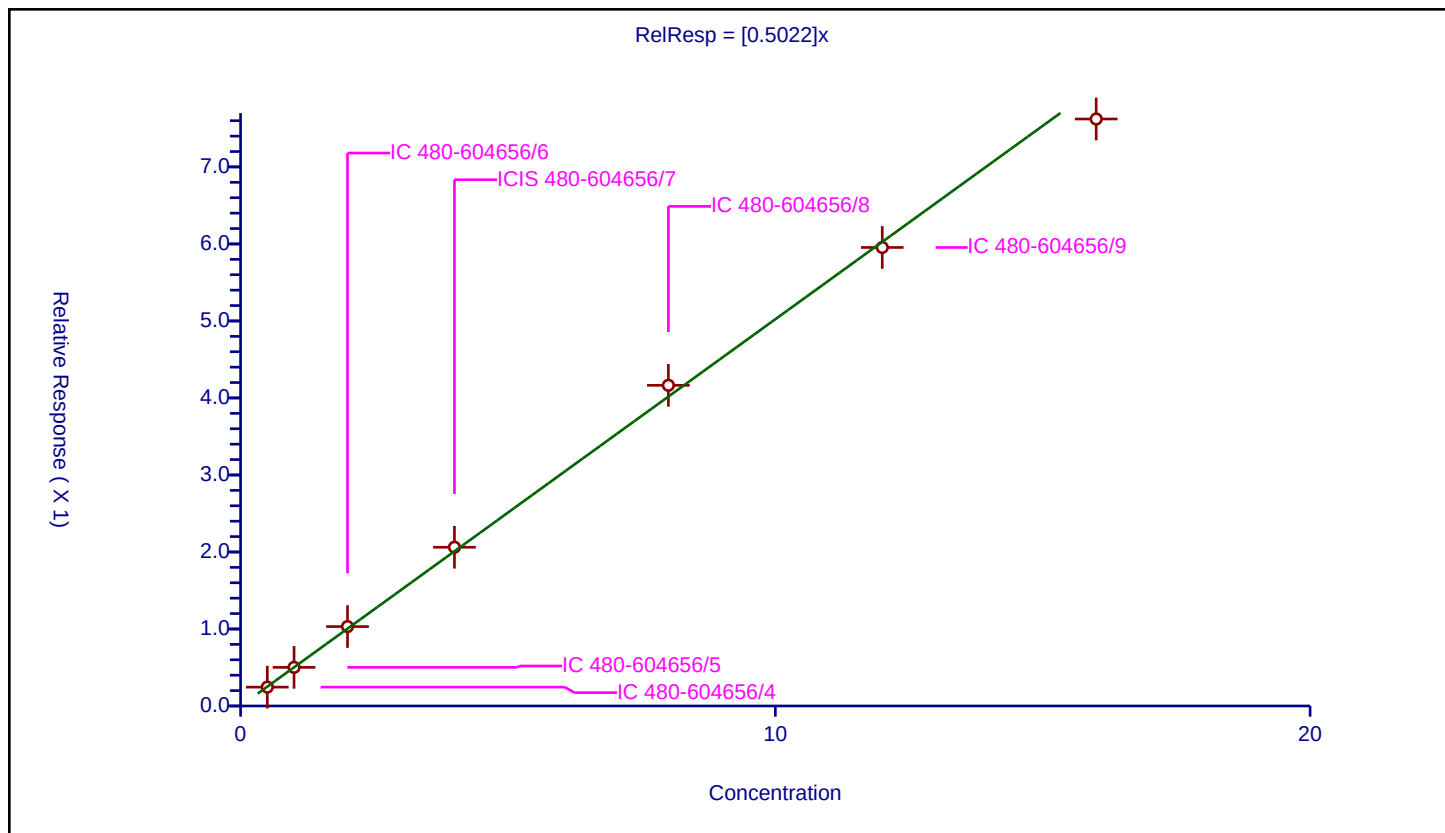
Curve Coefficients

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

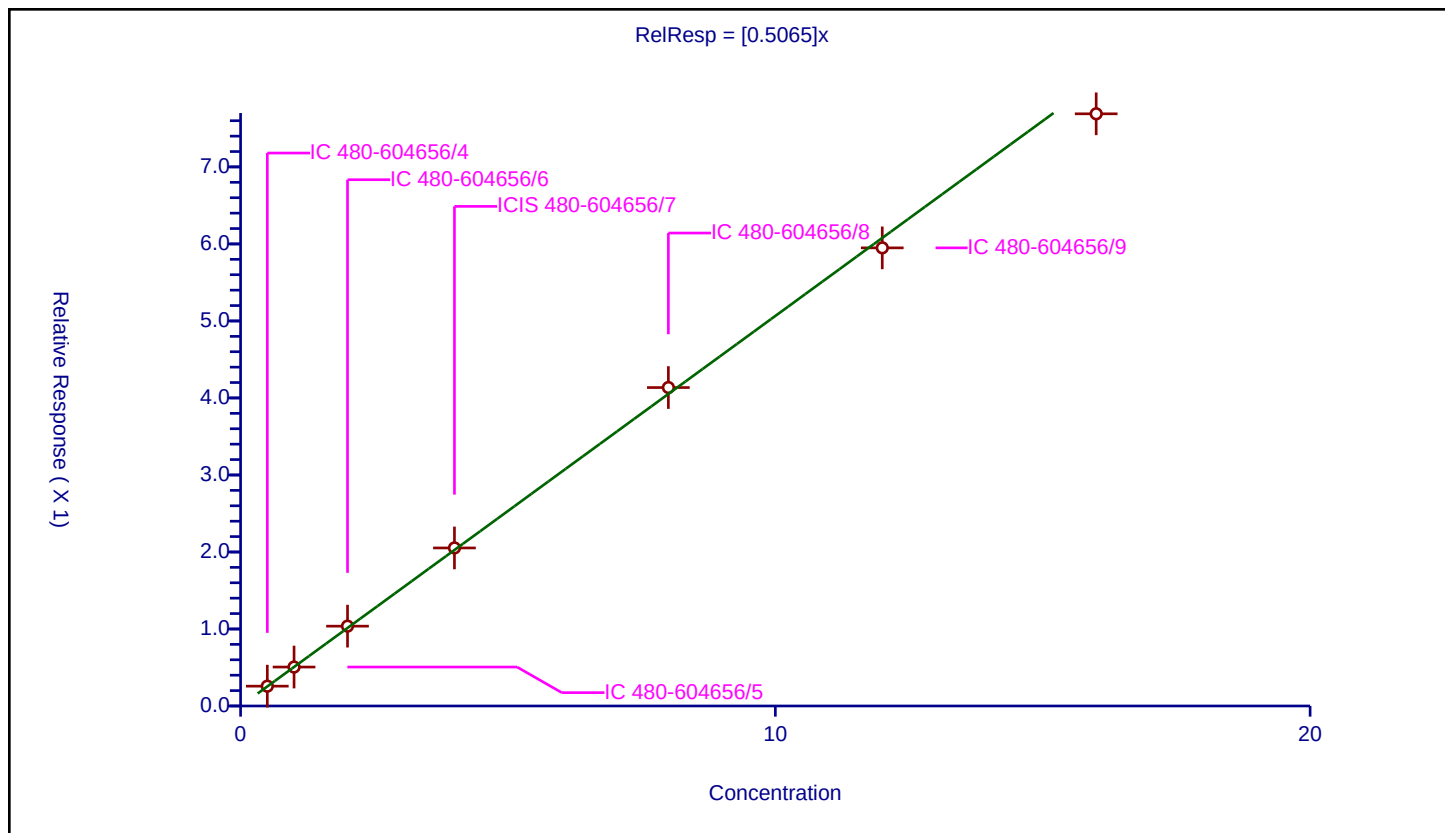
Curve Coefficients

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

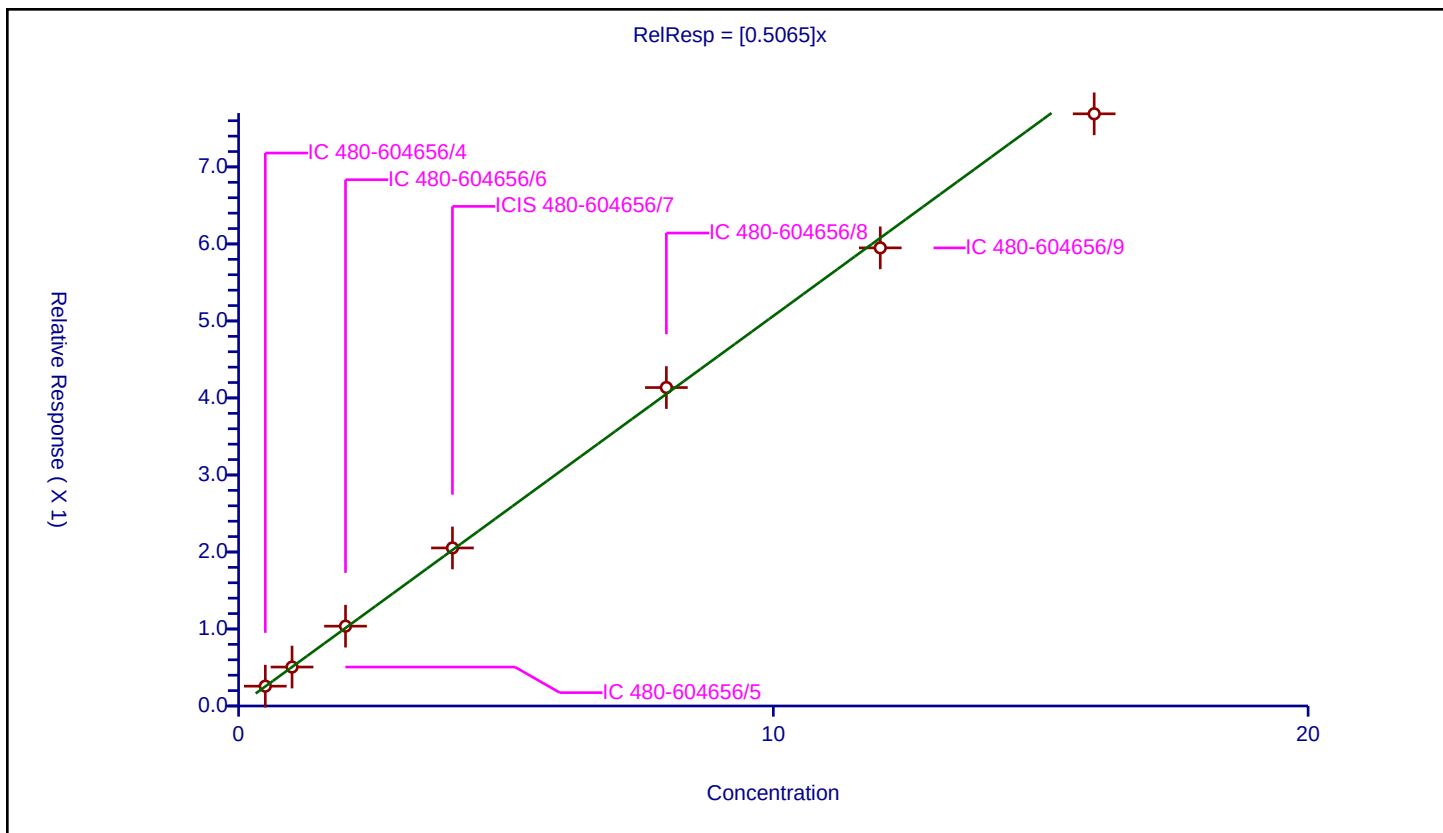
Curve Coefficients

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

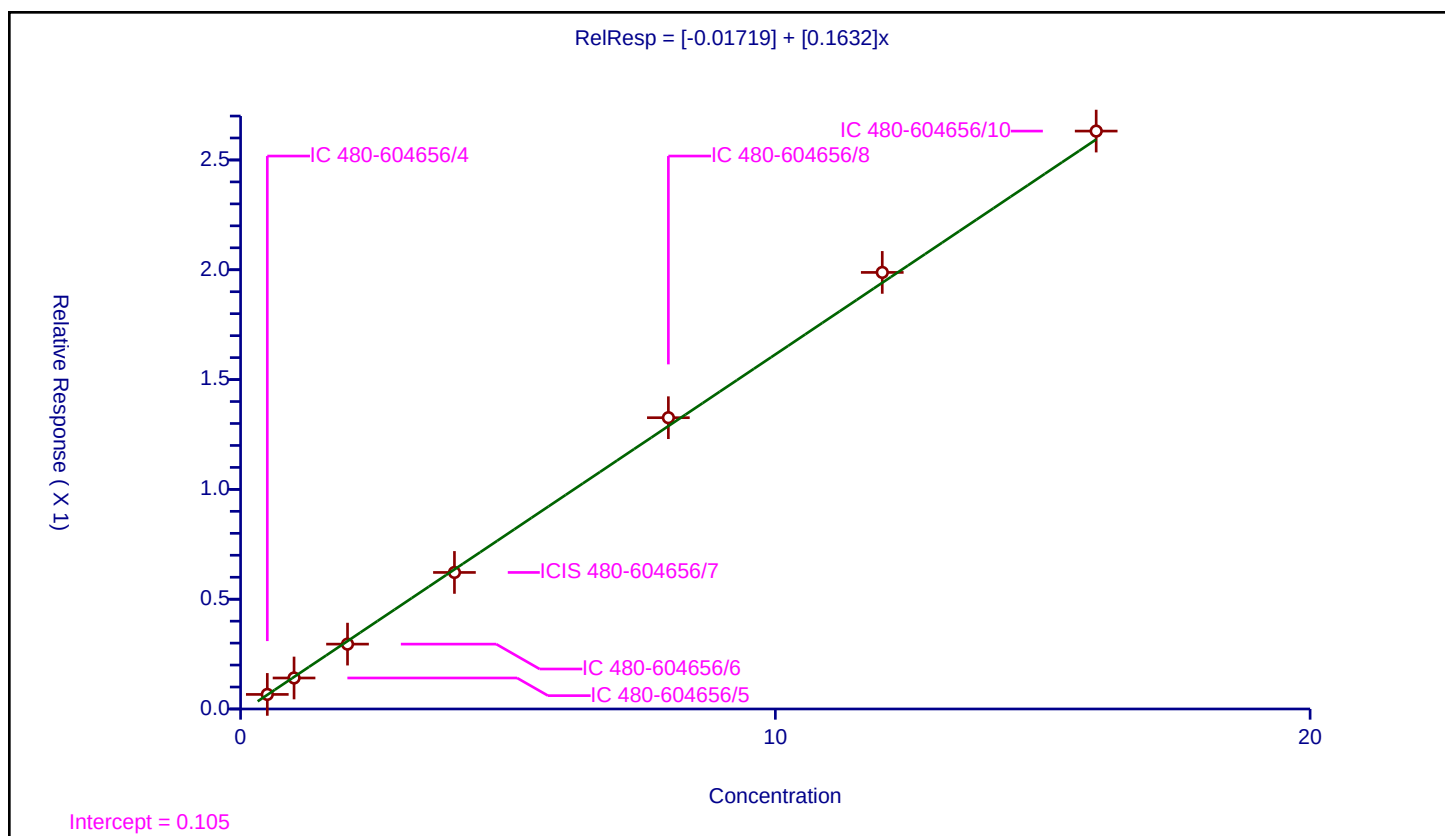
Curve Coefficients

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

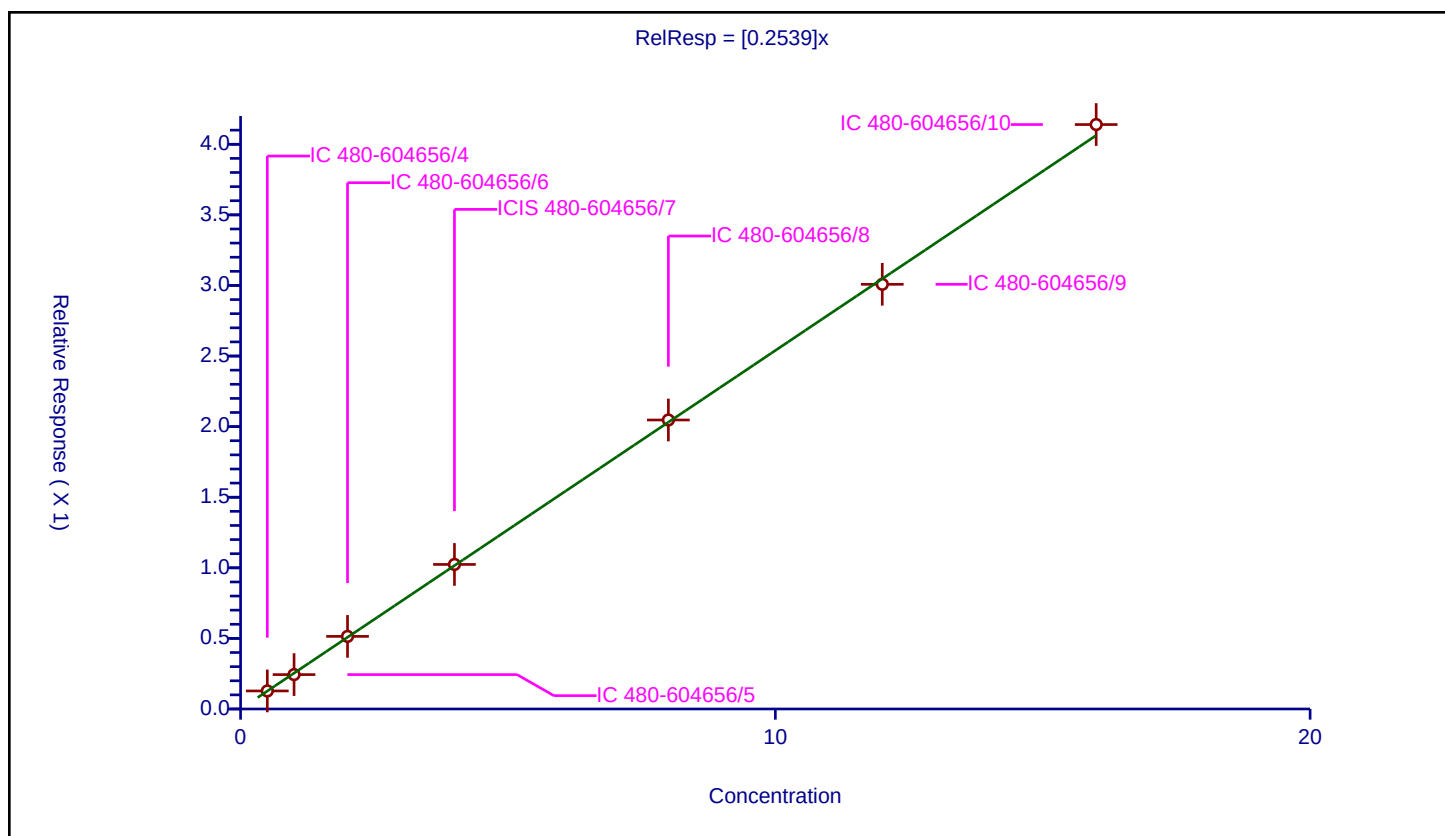
Curve Coefficients

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

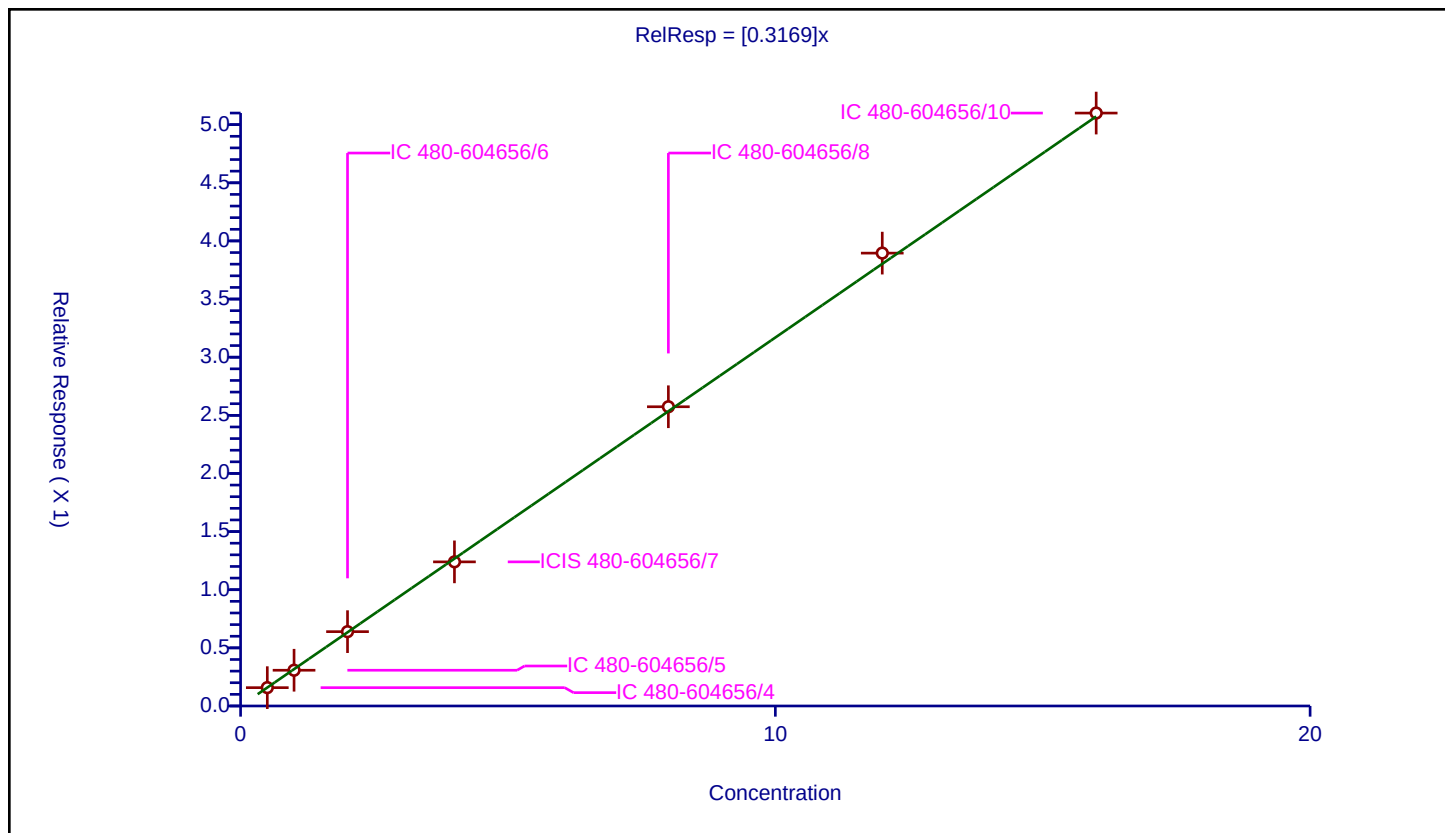
Curve Coefficients

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

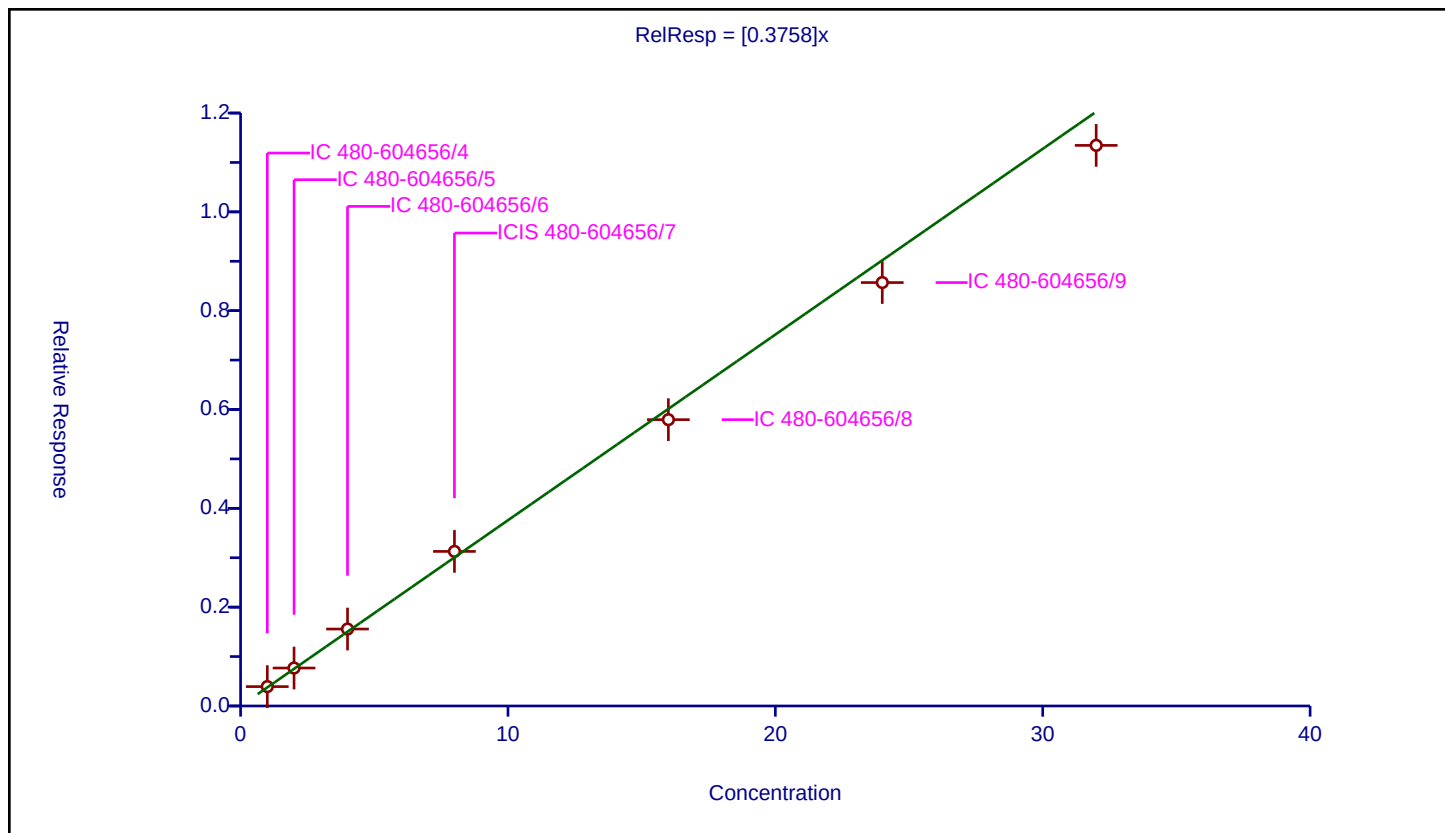
Curve Coefficients

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

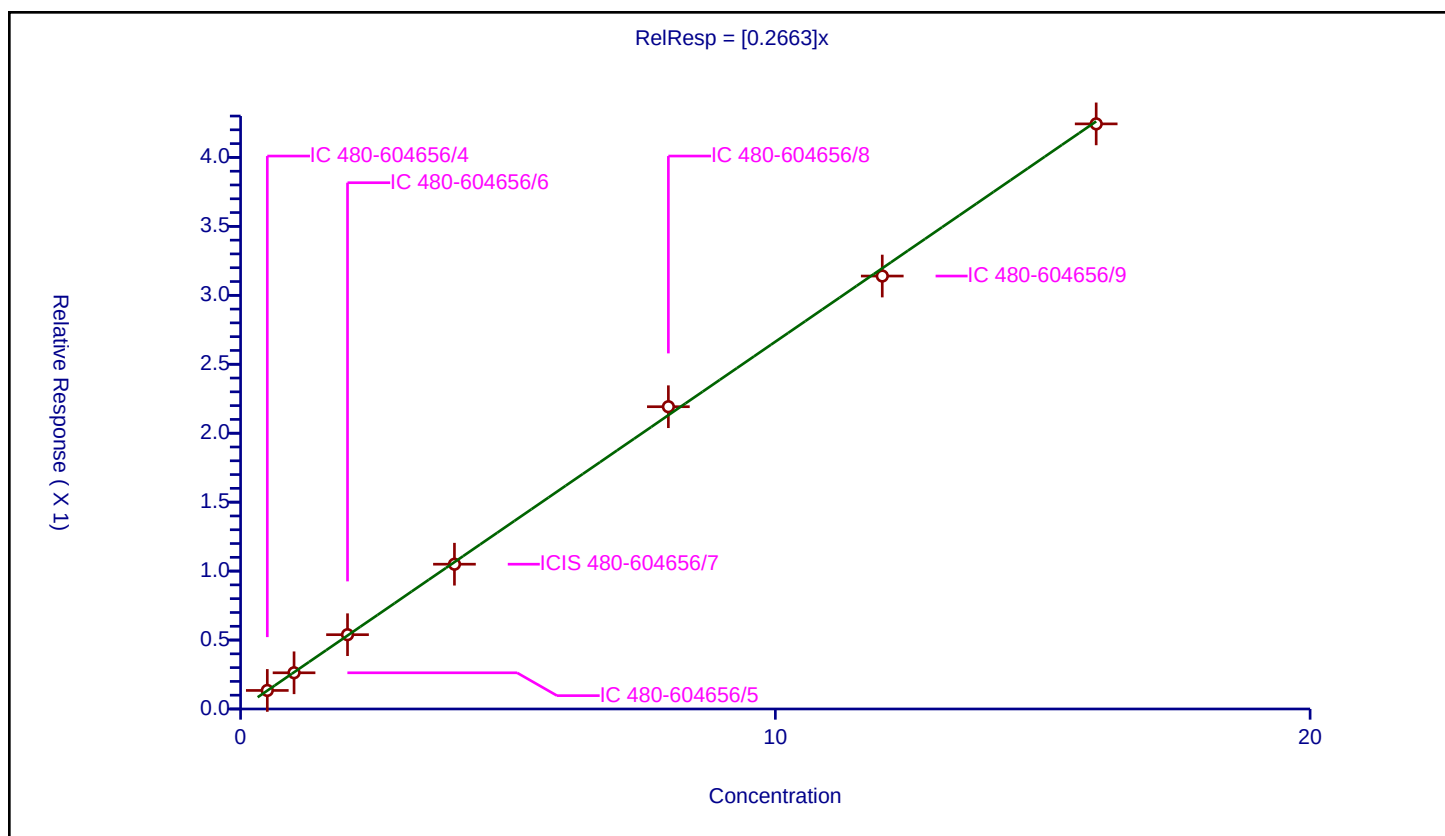
Curve Coefficients

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

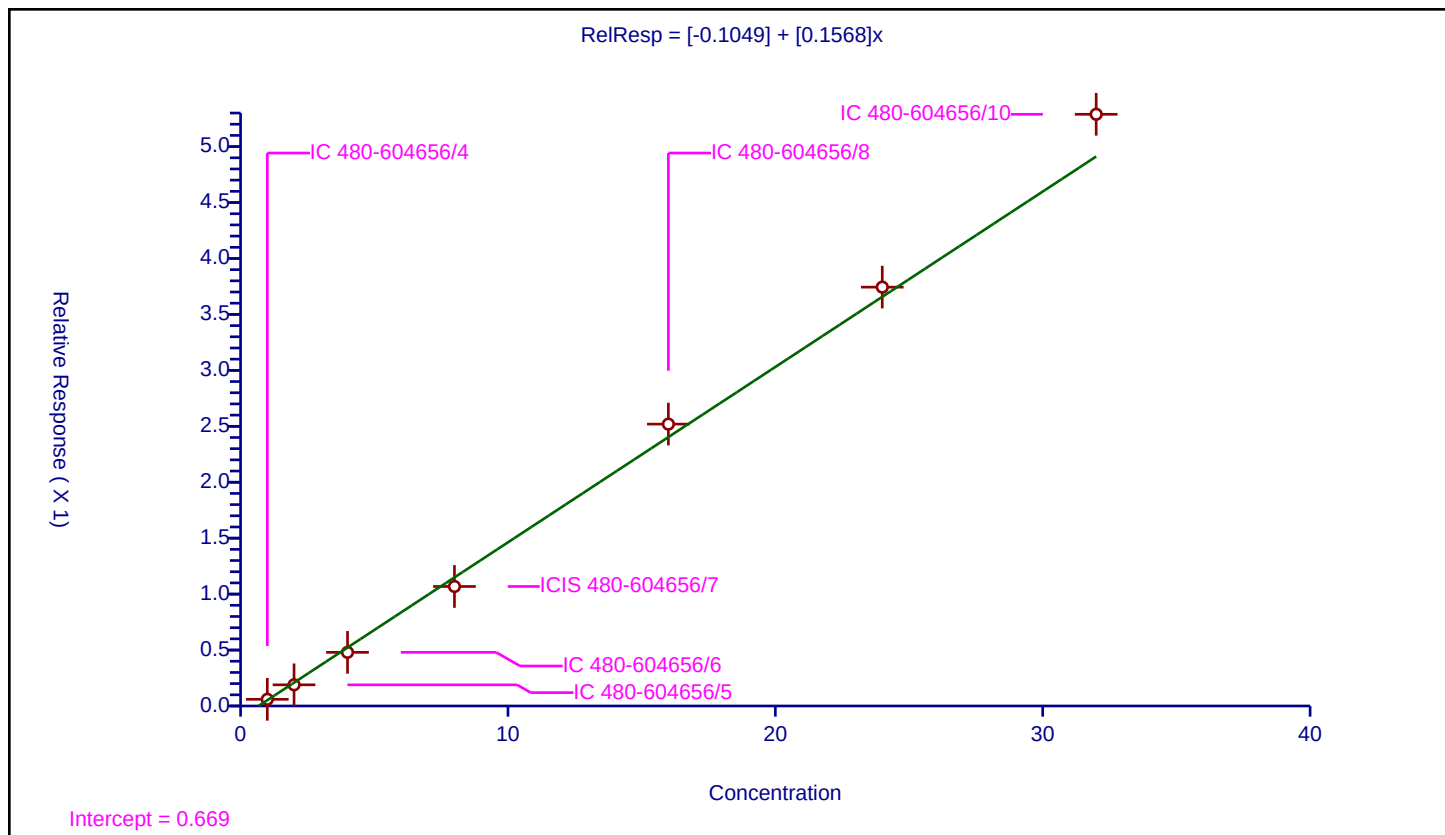
Curve Coefficients

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

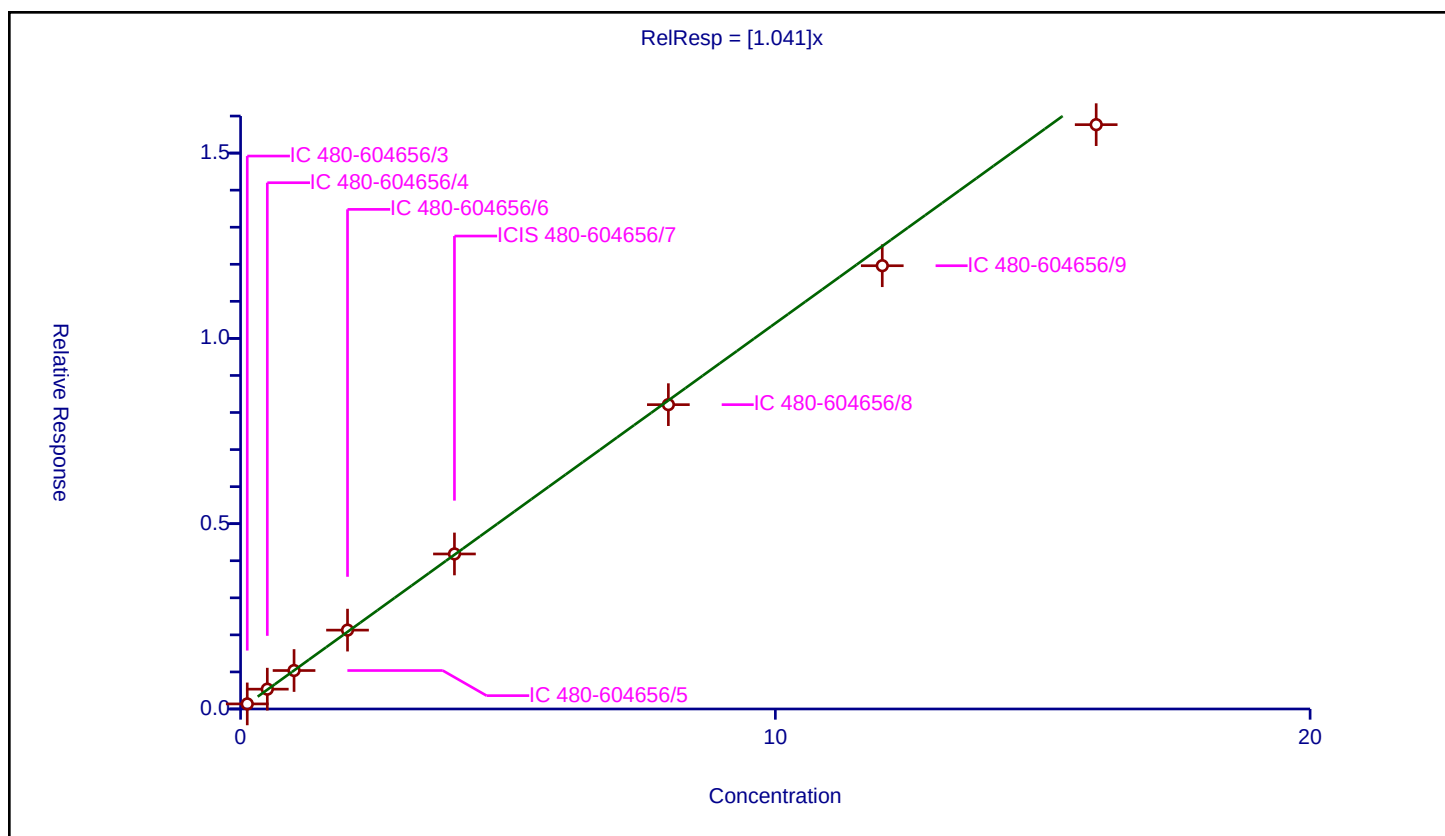
Curve Coefficients

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

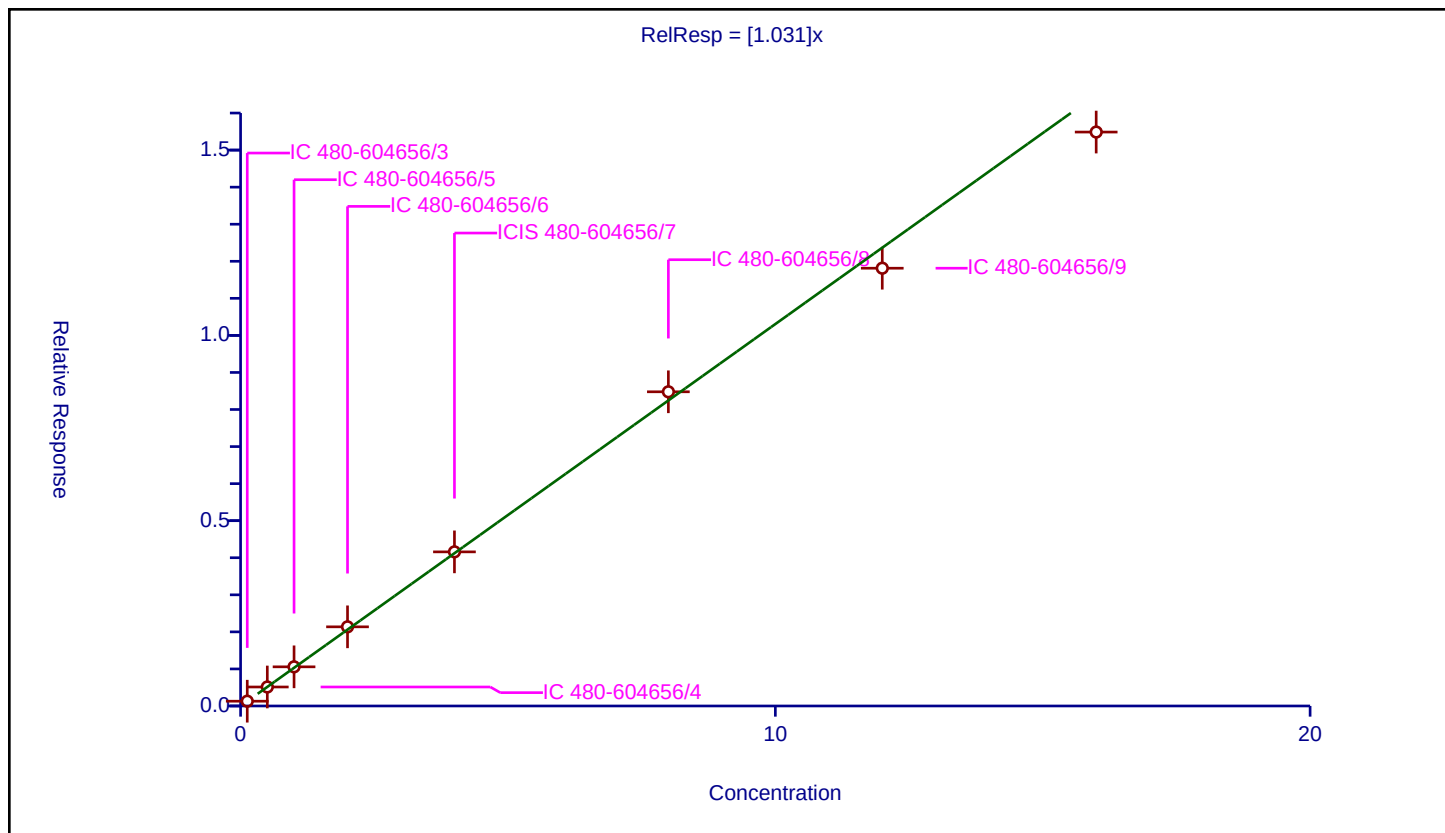
Curve Coefficients

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

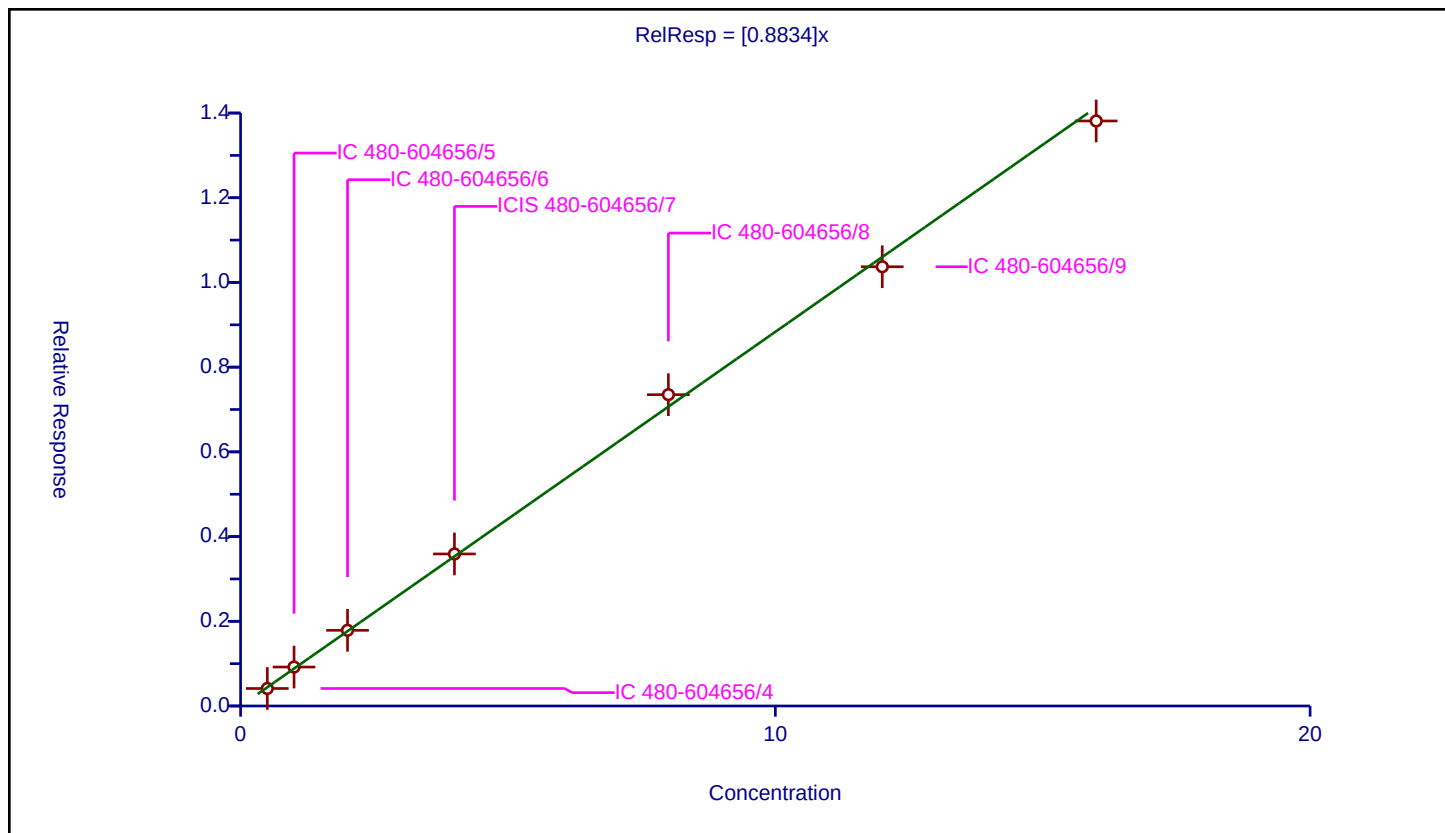
Curve Coefficients

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

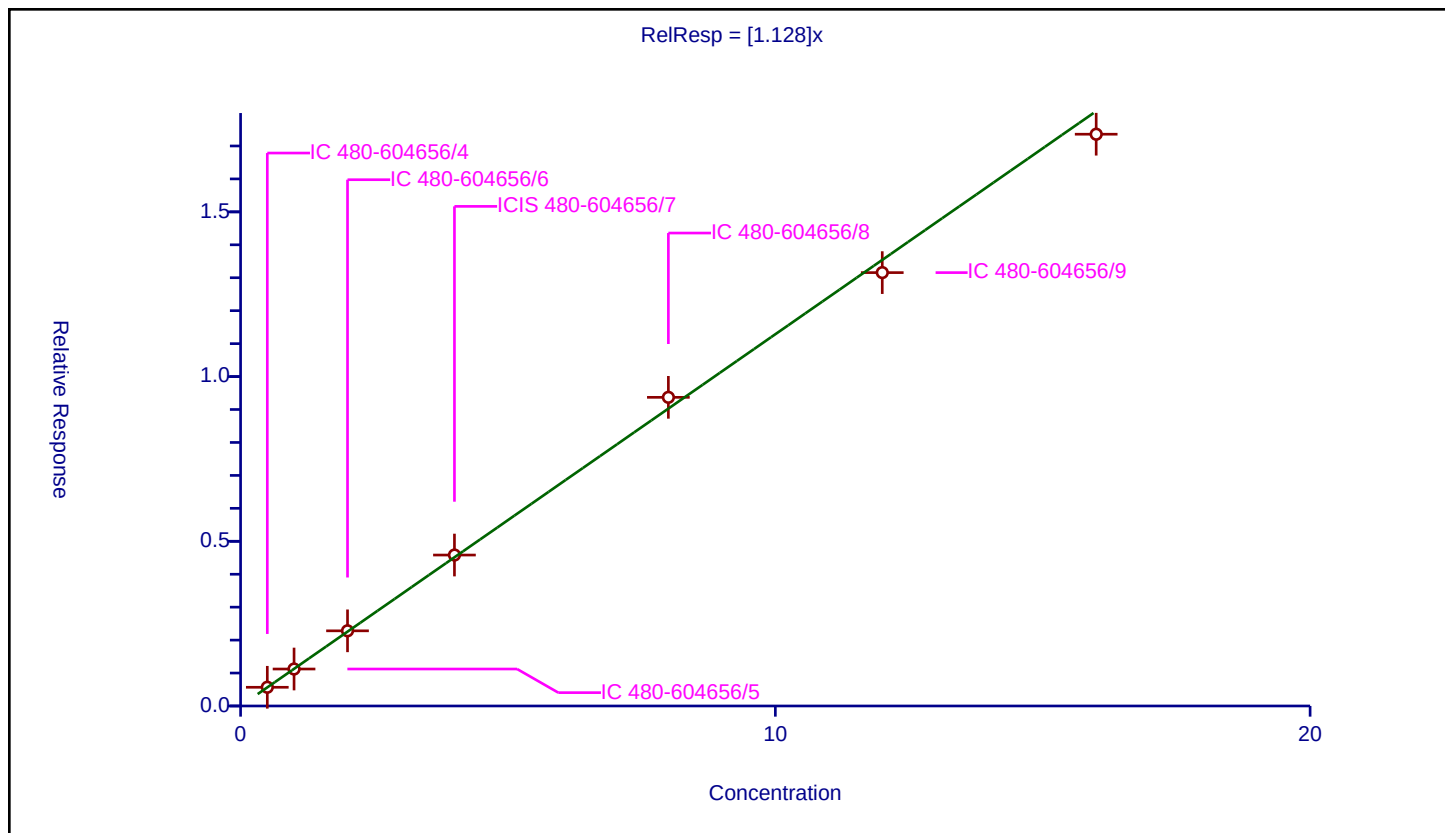
Curve Coefficients

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

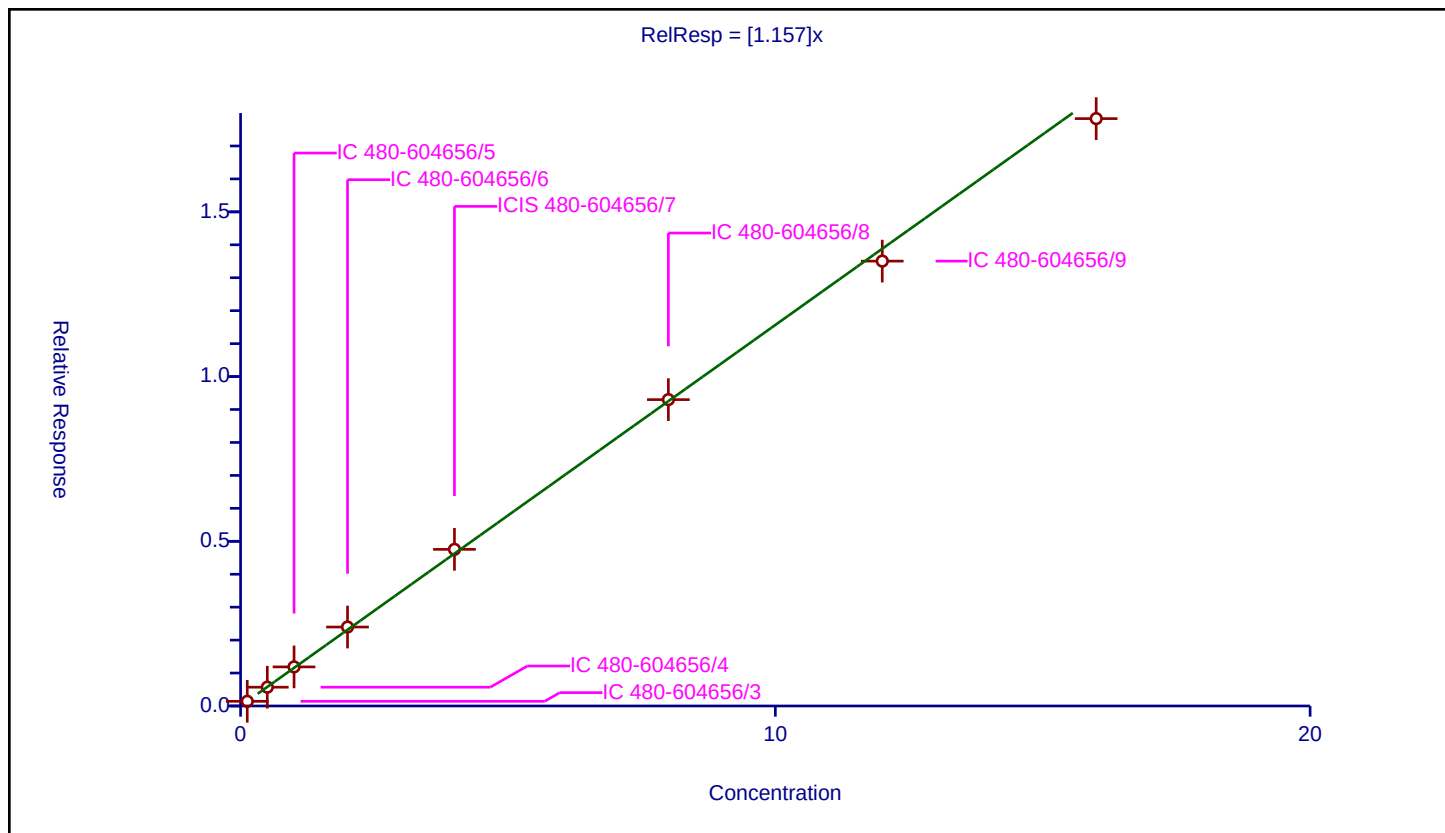
Curve Coefficients

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

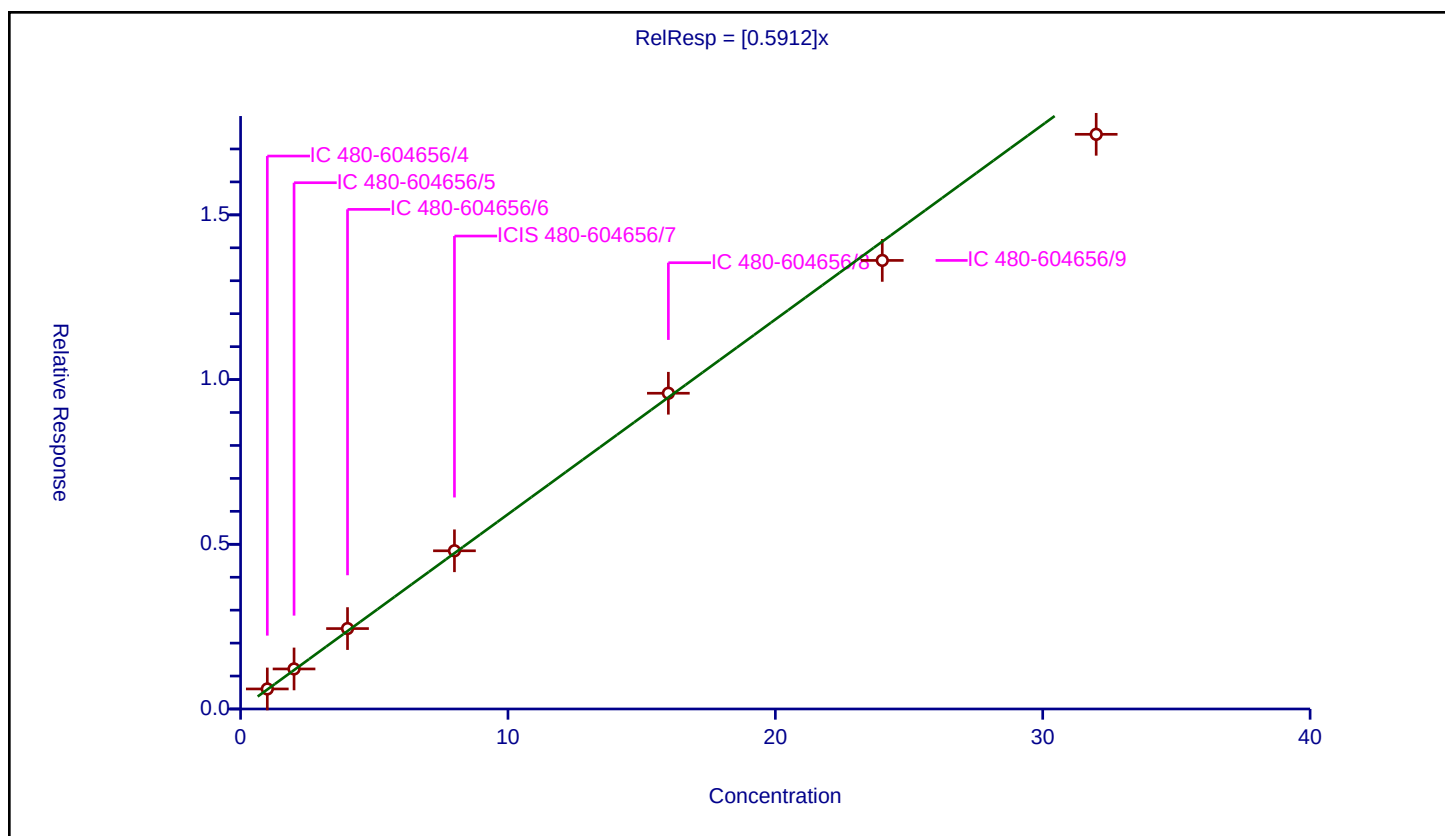
Curve Coefficients

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

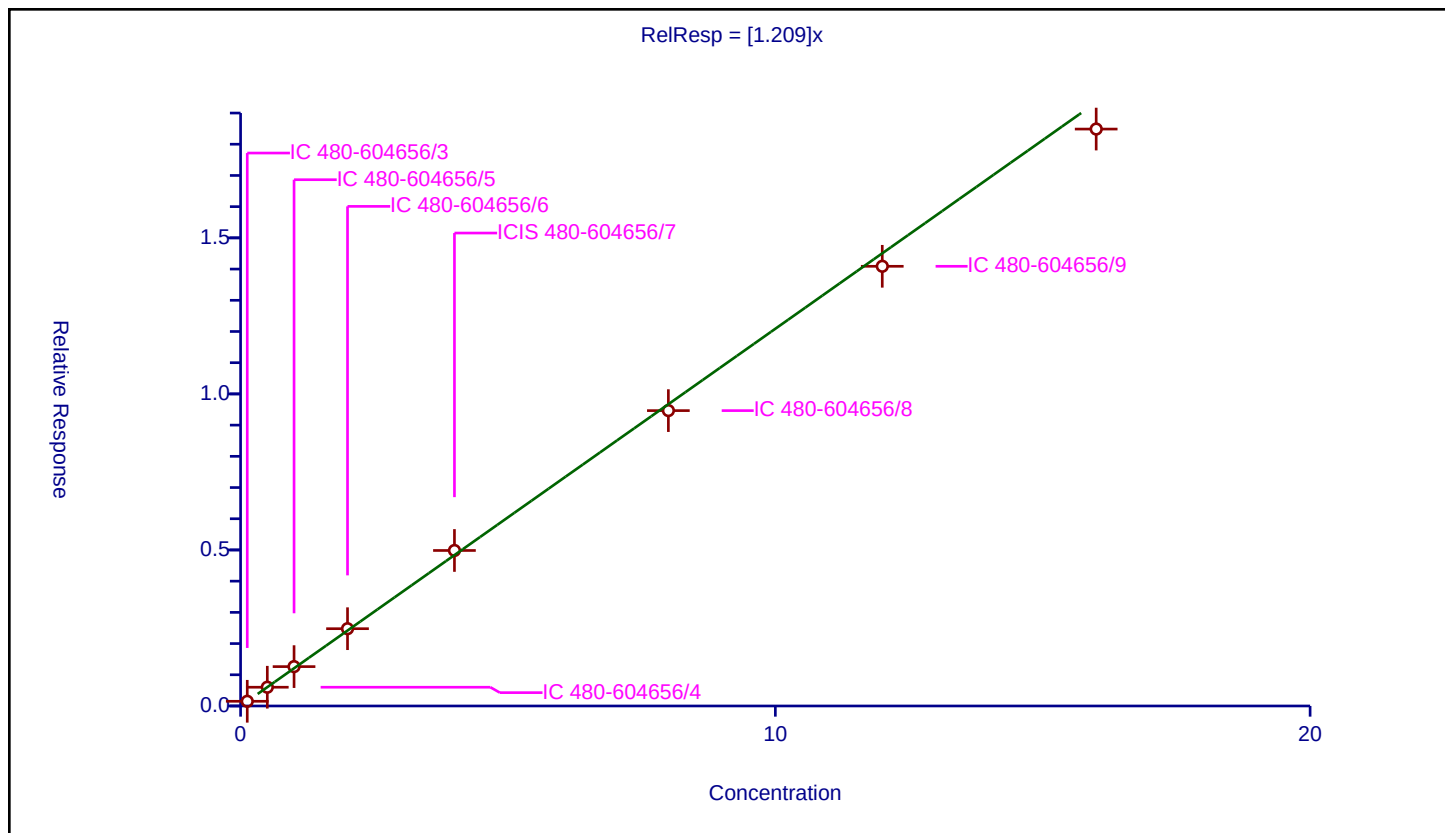
Curve Coefficients

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

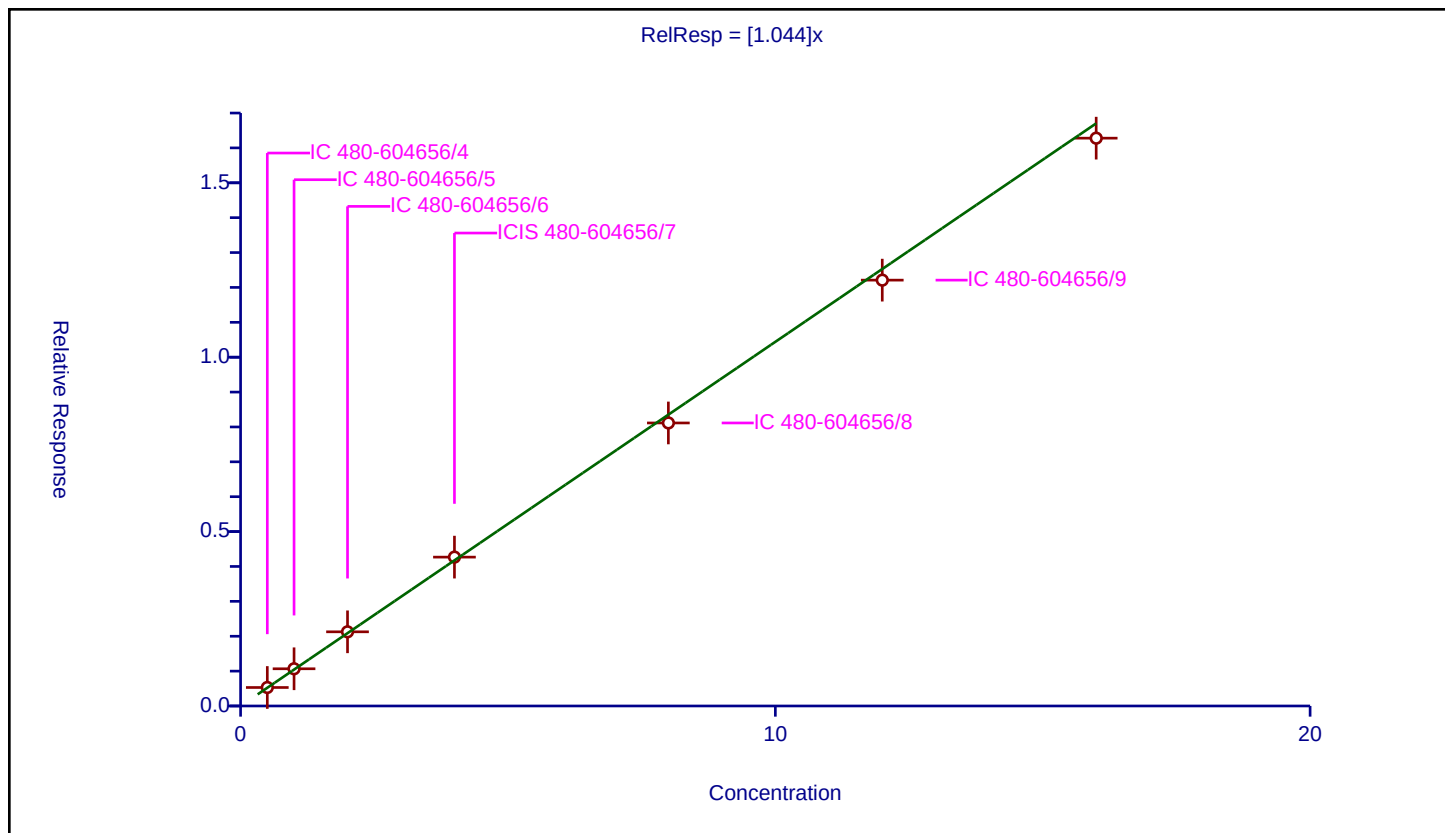
Curve Coefficients

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

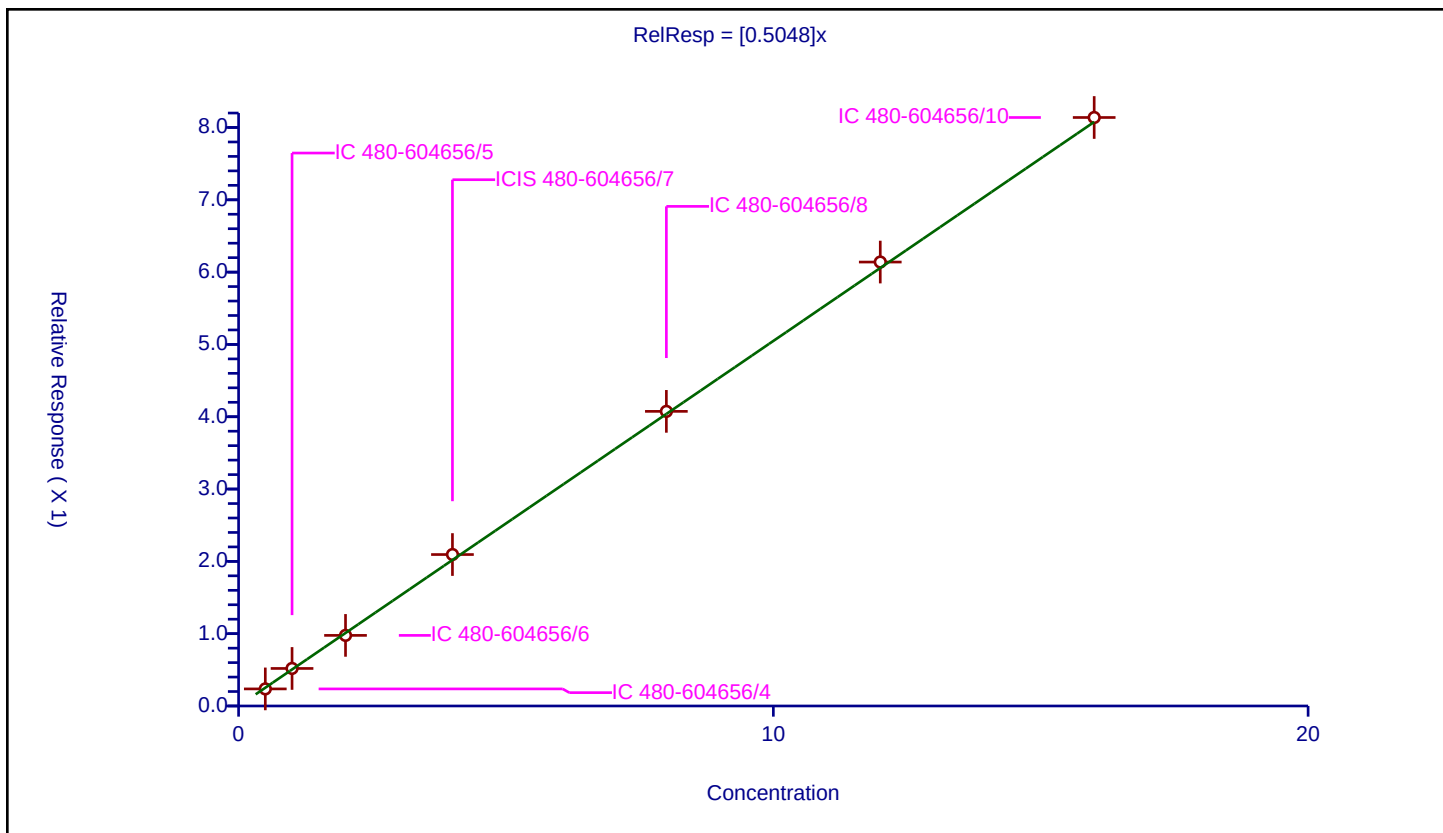
Curve Coefficients

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

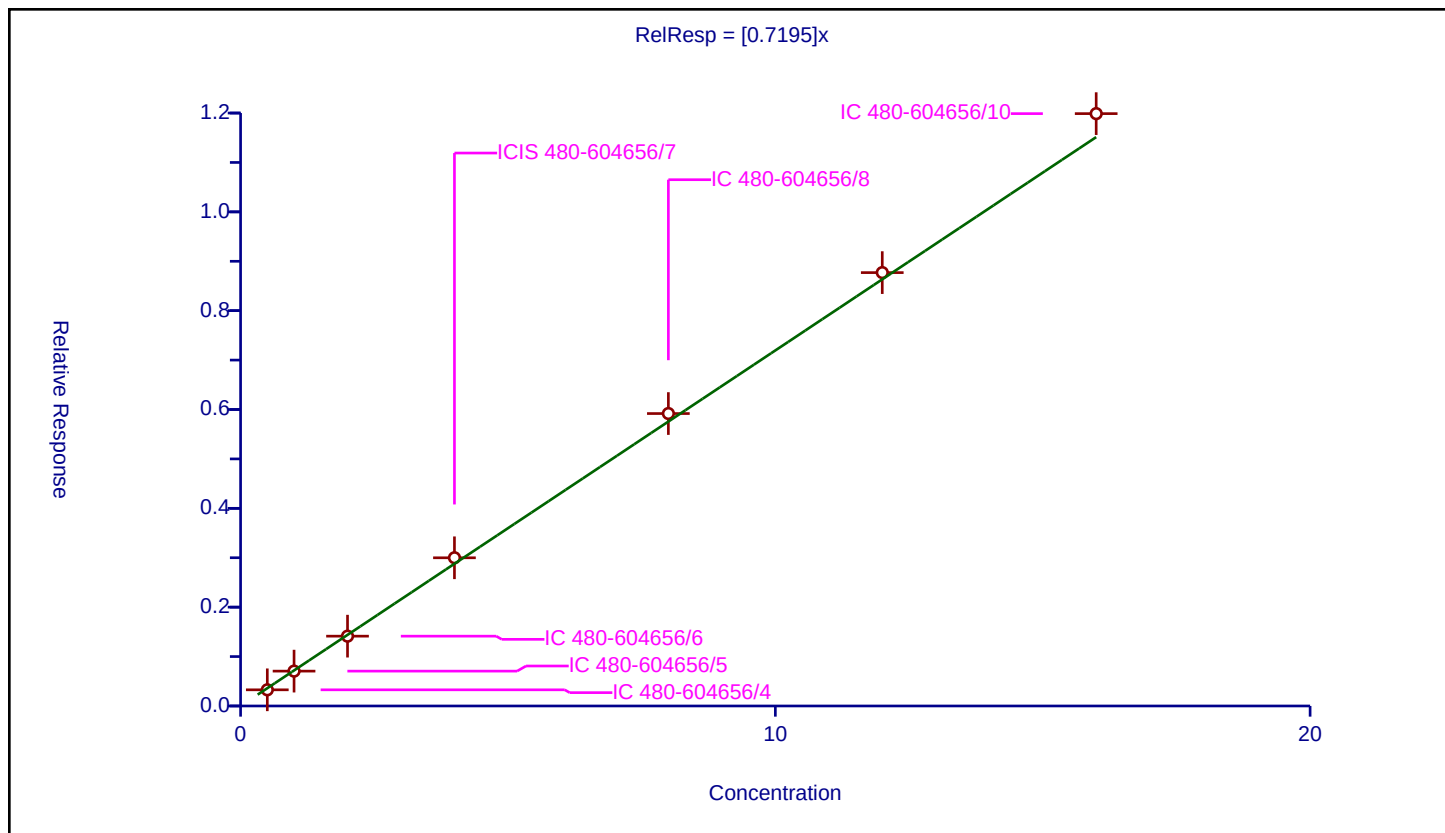
Curve Coefficients

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

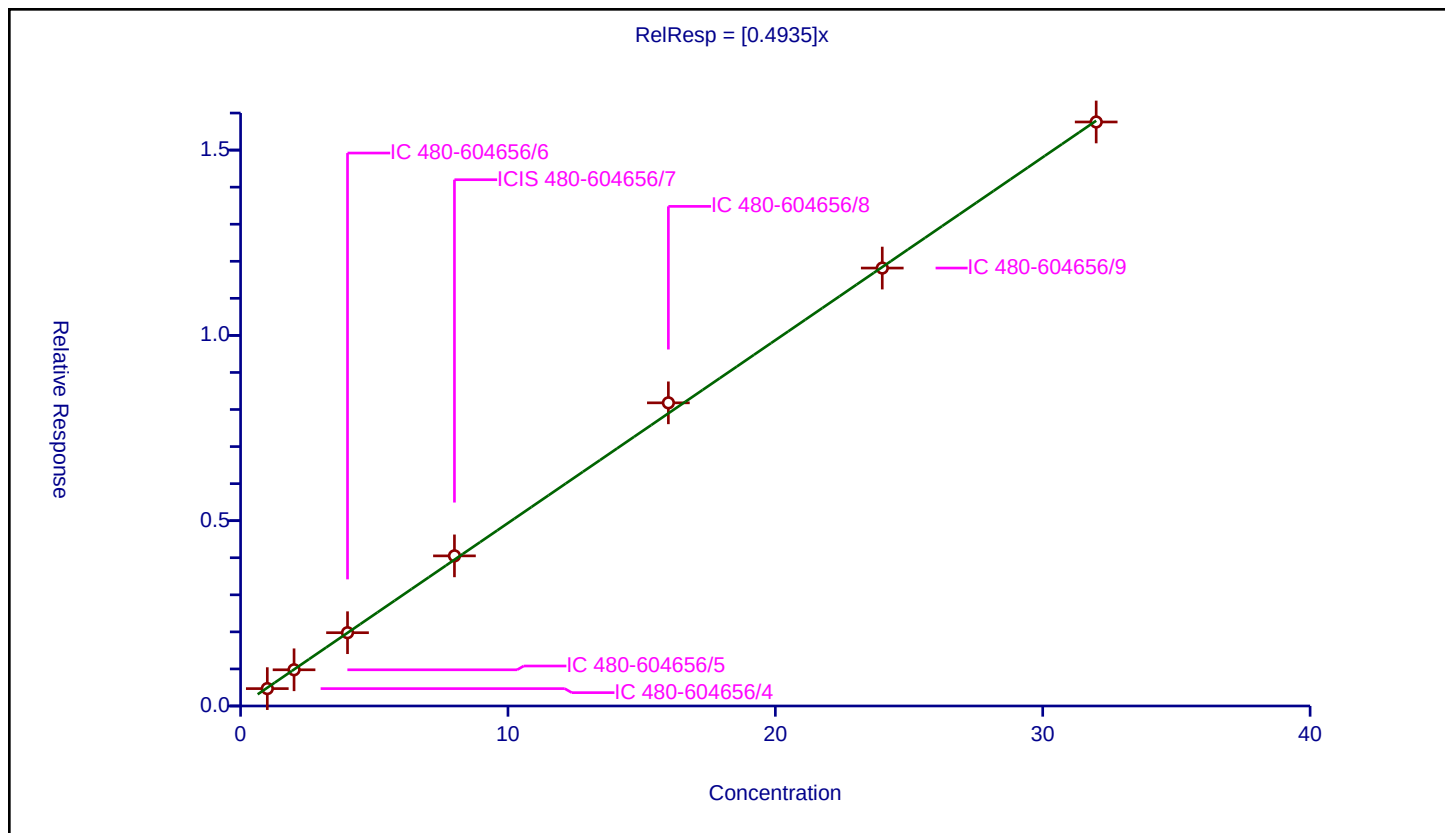
Curve Coefficients

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

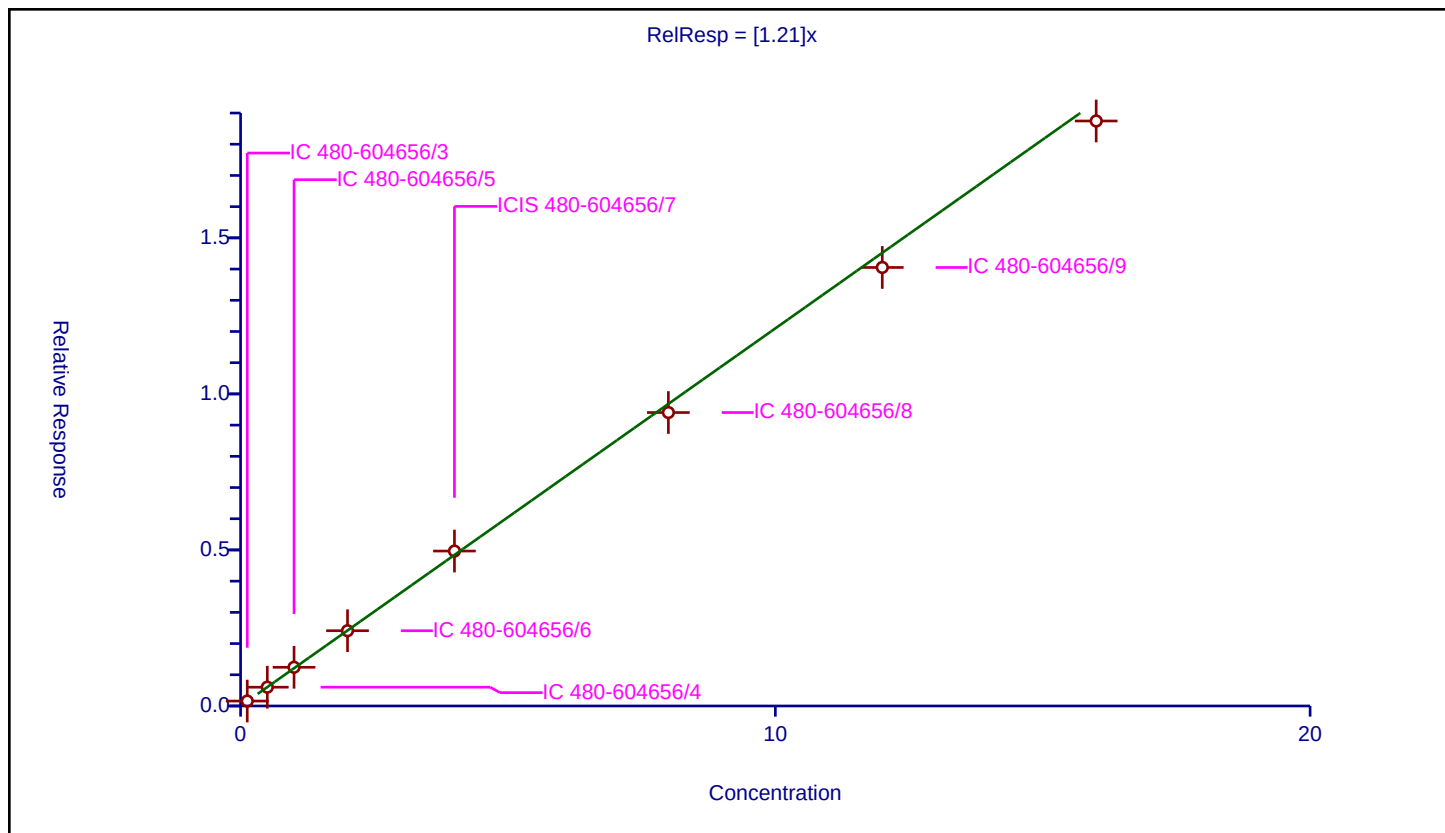
Curve Coefficients

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

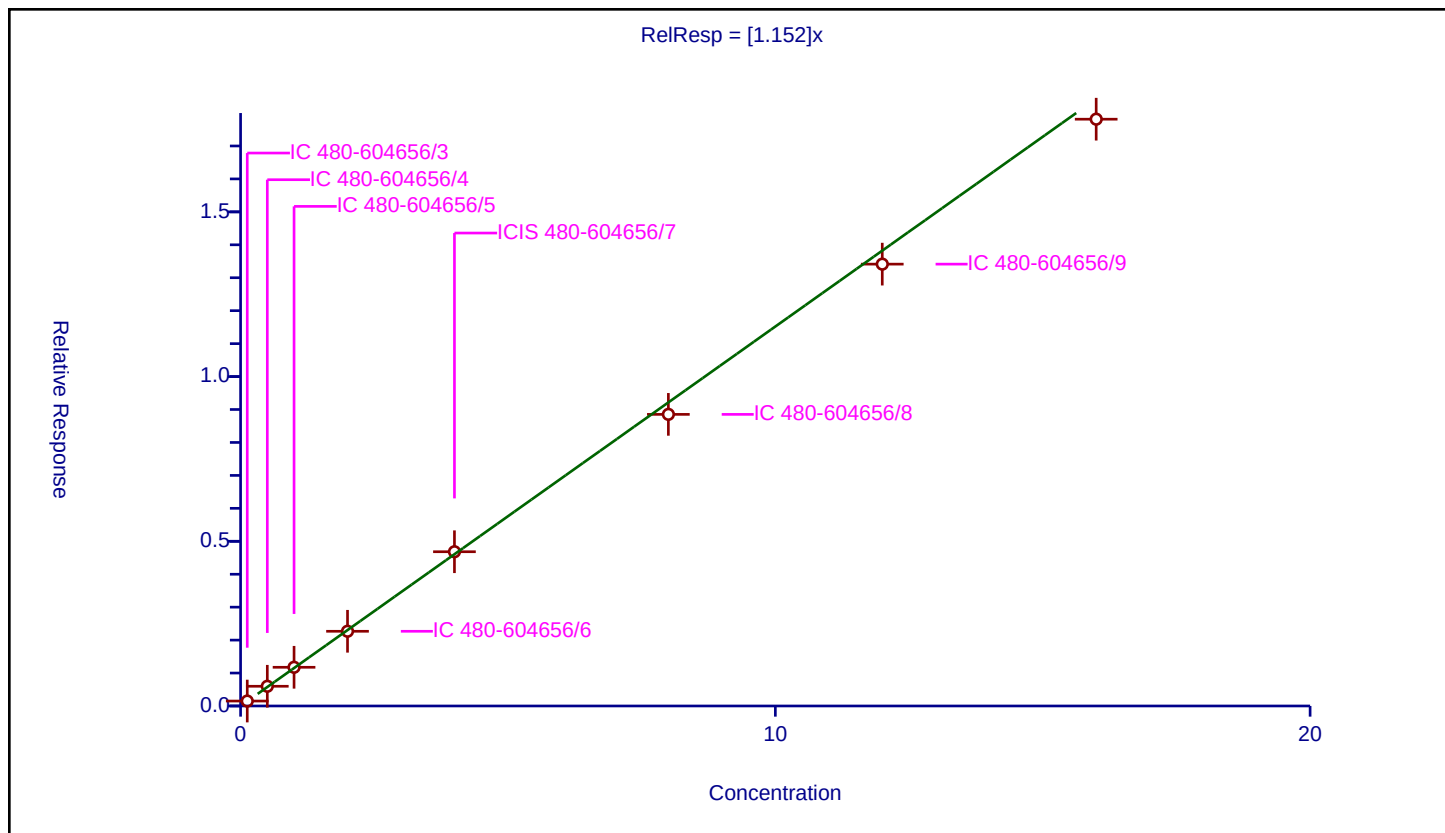
Curve Coefficients

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

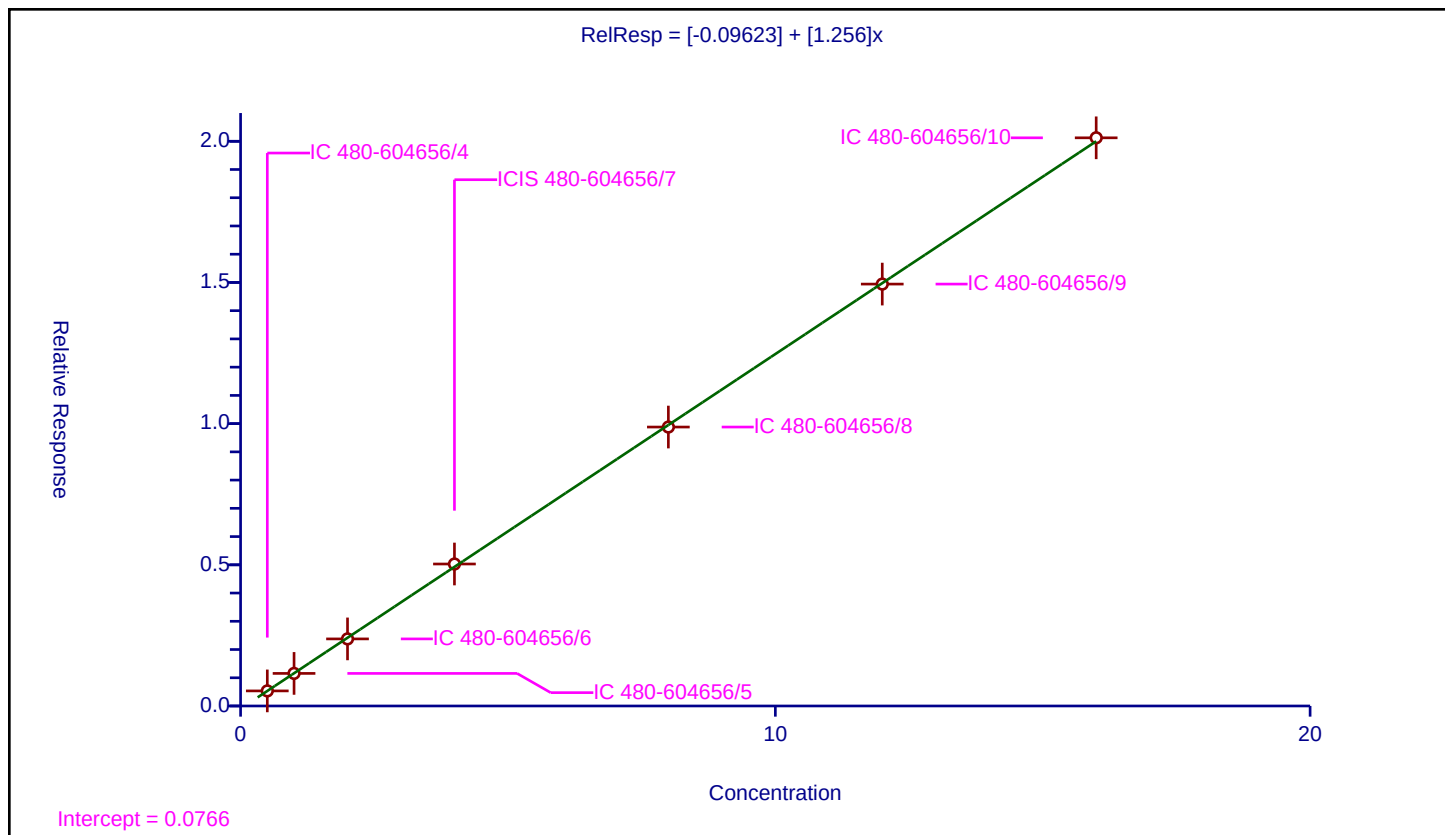
Curve Coefficients

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

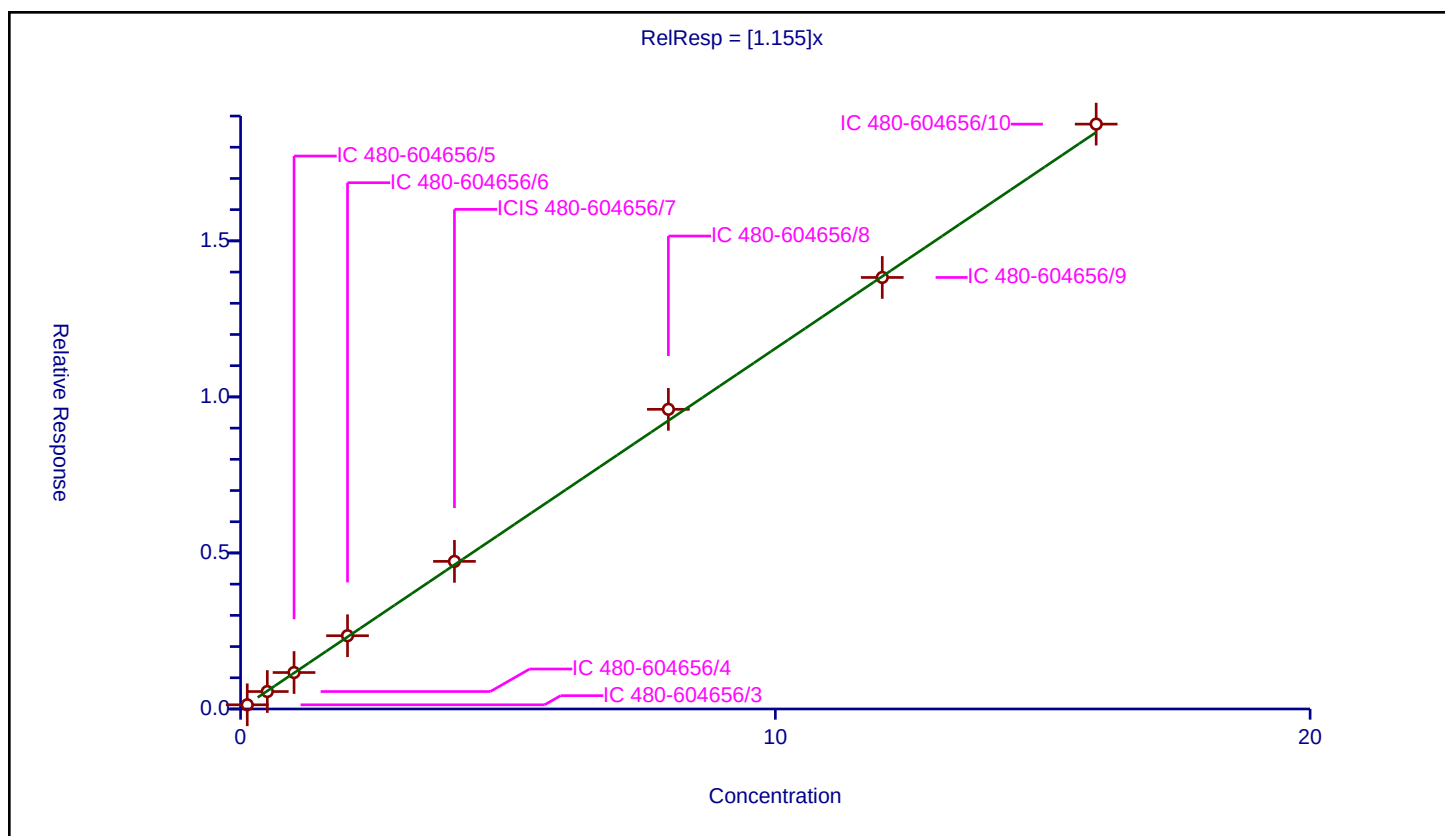
Curve Coefficients

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

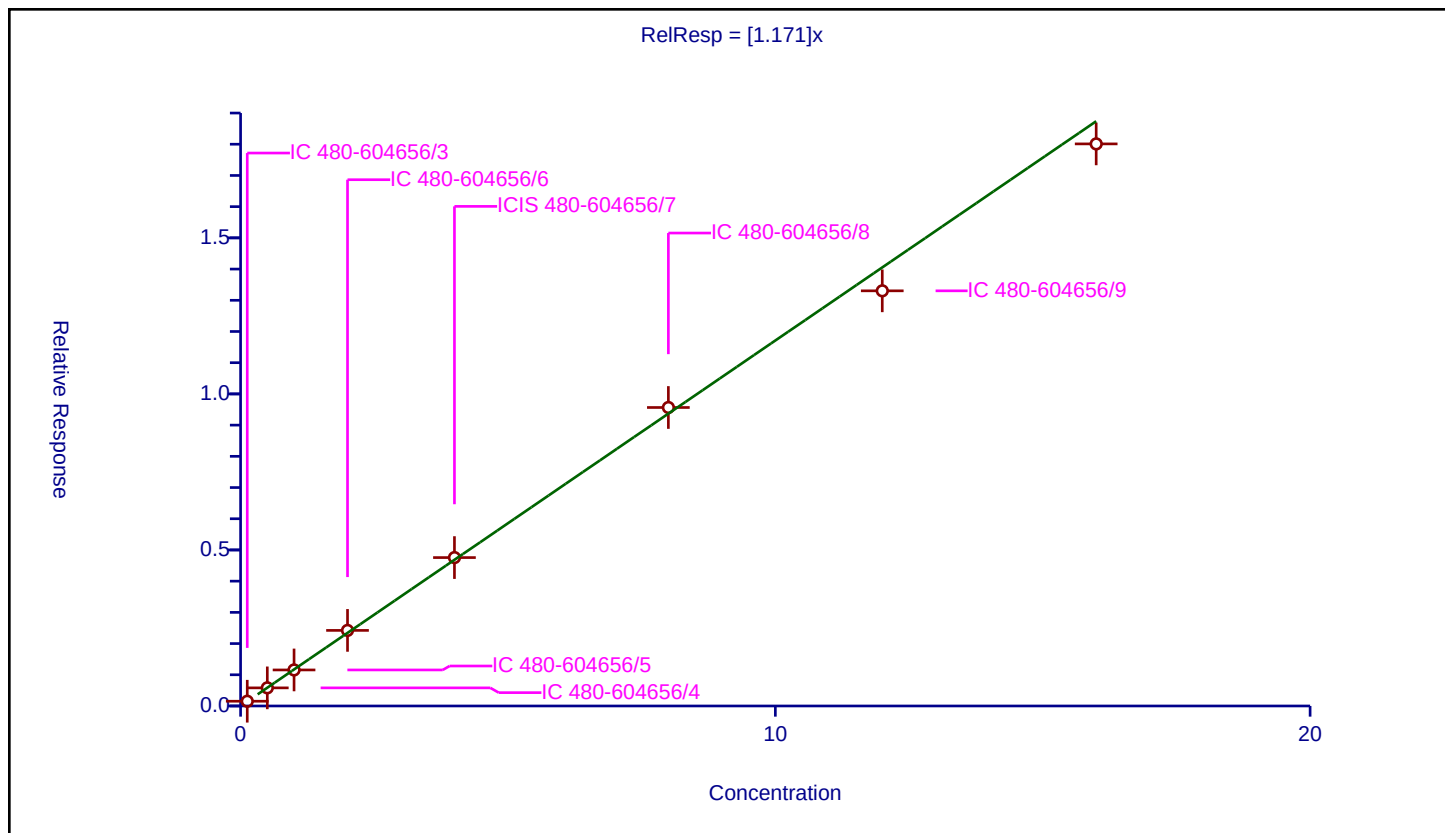
Curve Coefficients

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

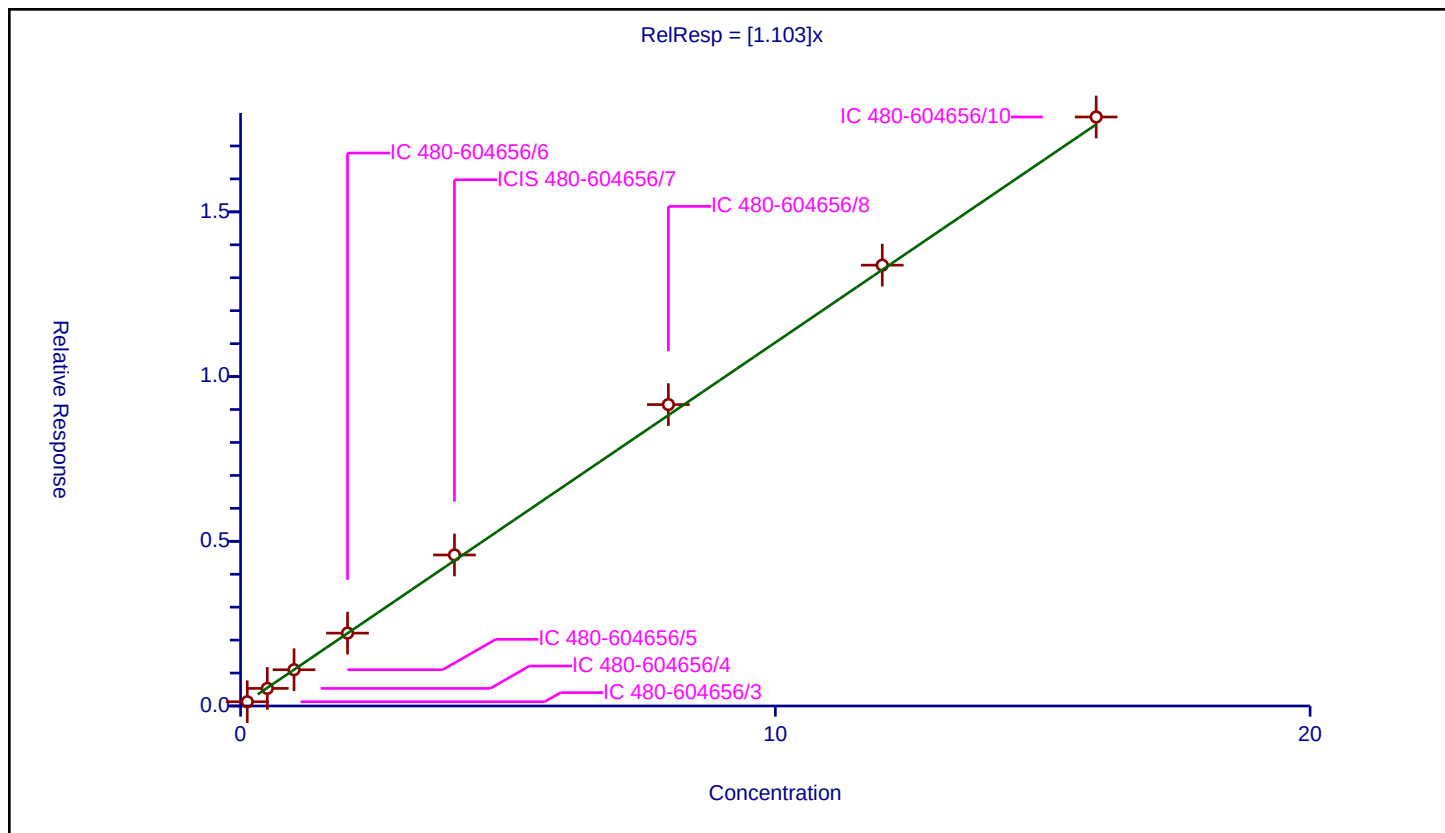
Curve Coefficients

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

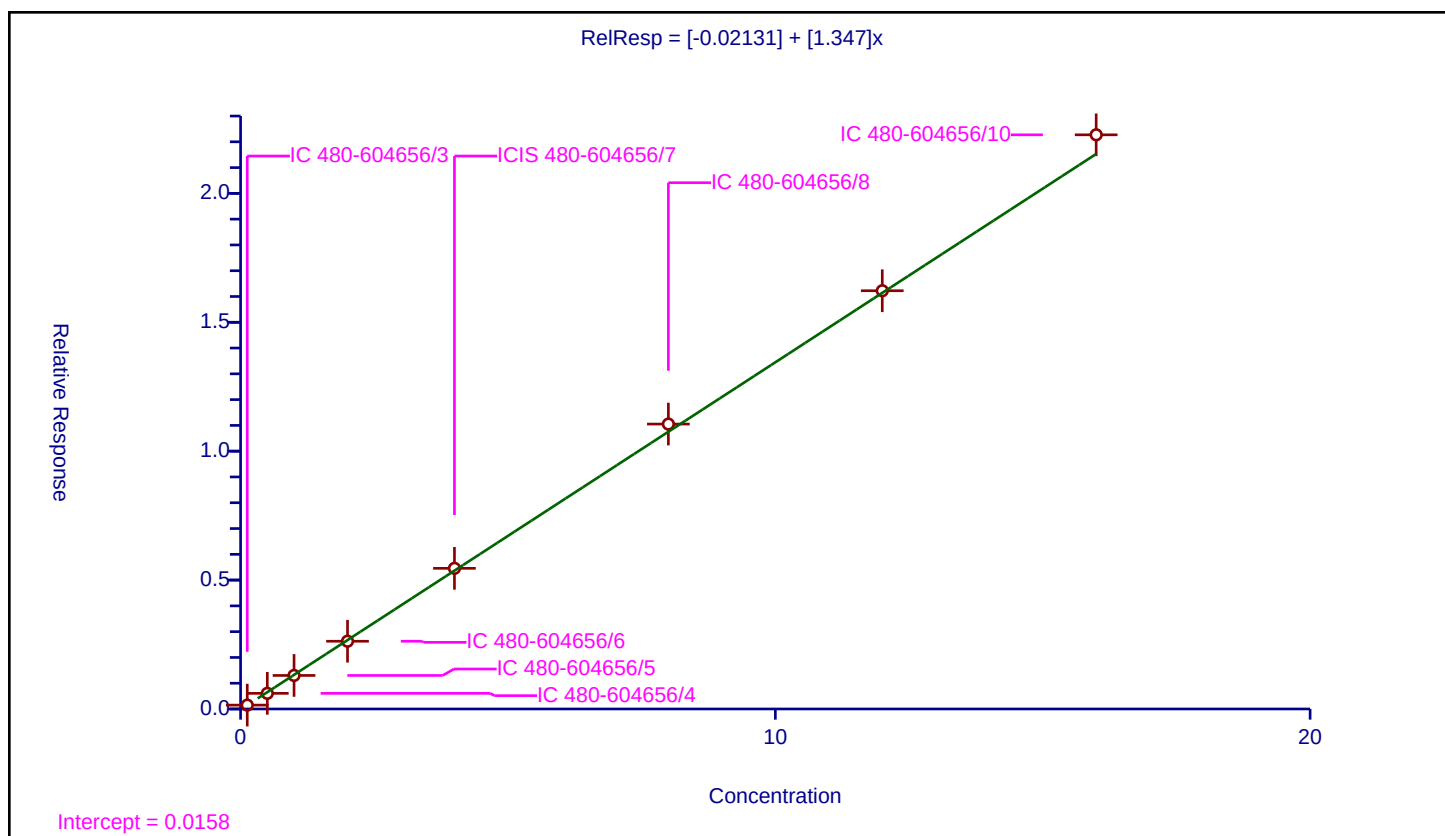
Curve Coefficients

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

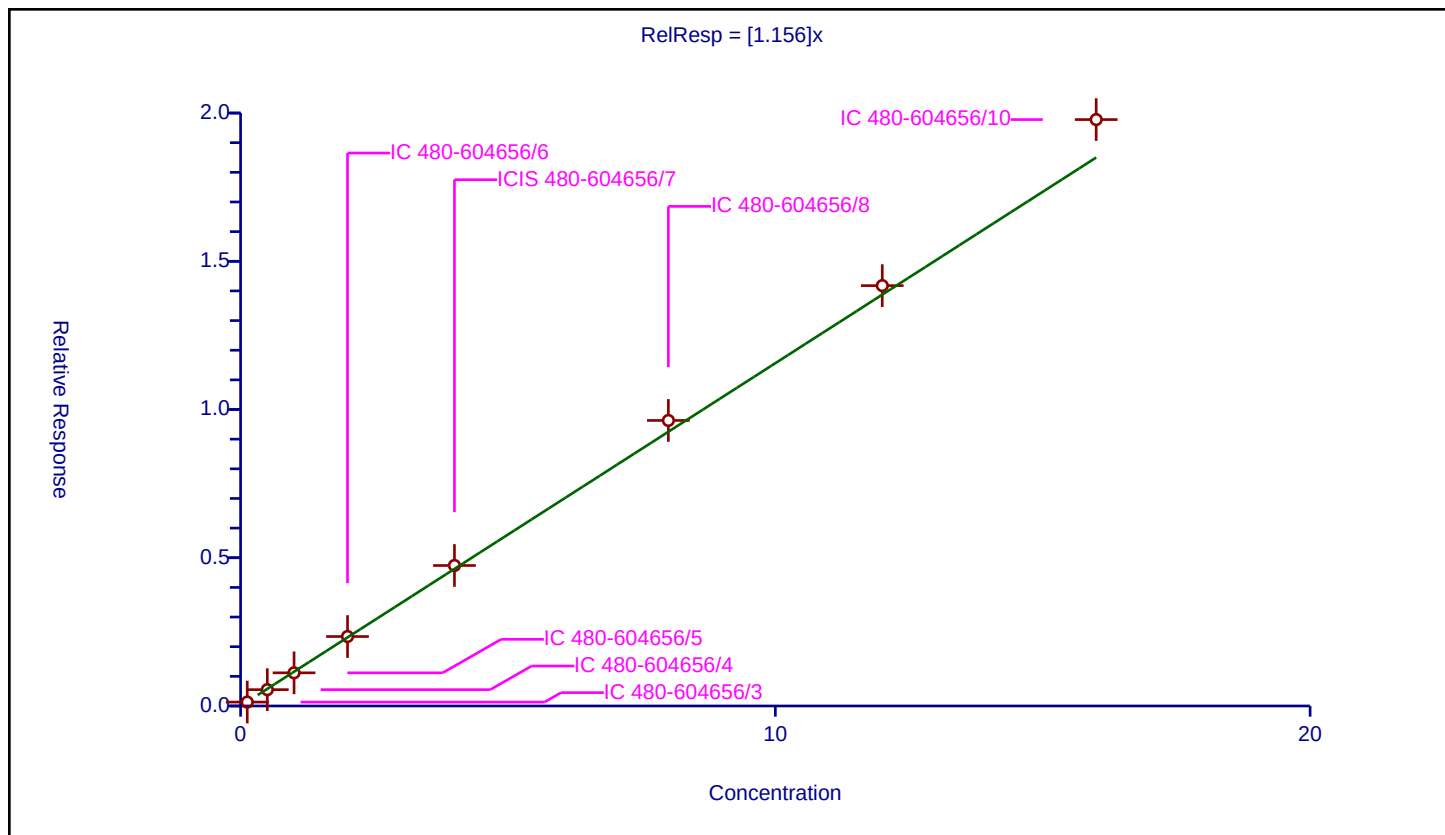
Curve Coefficients

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

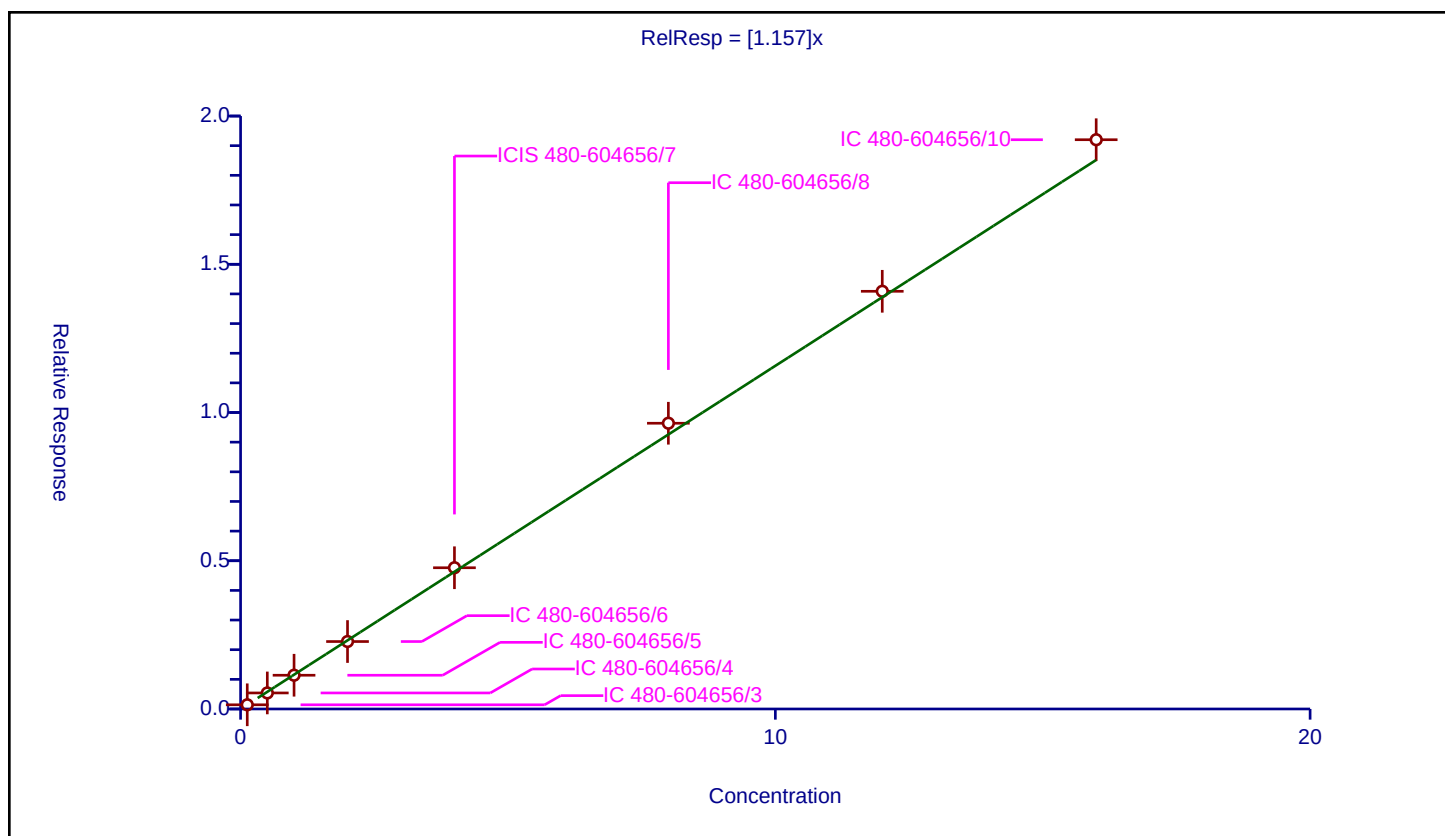
Curve Coefficients

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.: 480-191867-1

SDG No.: _____

Lab Sample ID (1): ICIS 480-603192/7 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25 (mm) Date Analyzed (1): 11/03/2021 12:32

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.97	16.40

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Lab Sample ID (1): CCVIS 480-604439/3 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25 (mm) Date Analyzed (1): 11/11/2021 15:49

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.89	18.20

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

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.: 480-191867-1

SDG No.: _____

Lab Sample ID (1): CCVIS 480-604662/3 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25 (mm) Date Analyzed (1): 11/13/2021 00:58

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.89	18.20

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-604439/3 Calibration Date: 11/11/2021 15:49
 Instrument ID: HP5973Y Calib Start Date: 11/03/2021 10:44
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/03/2021 13:53
 Lab File ID: Y02826593.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5024	0.3895	0.0100	3100	4000	-22.5*	20.0
N-Nitrosodimethylamine	Ave	0.6878	0.4716	0.0100	2740	4000	-31.4	50.0
Pyridine	Ave	0.8806	0.5100	0.0100	4630	8000	-42.1	50.0
Benzaldehyde	Lin2		0.6939	0.0100	5650	8000	-29.4	50.0
Phenol	Ave	1.617	1.285	0.8000	3180	4000	-20.5*	20.0
Aniline	Ave	2.001	1.549	0.0100	3100	4000	-22.6*	20.0
Bis(2-chloroethyl)ether	Ave	1.205	0.9000	0.7000	2990	4000	-25.3*	20.0
2-Chlorophenol	Ave	1.329	1.234	0.8000	3710	4000	-7.2	20.0
n-Decane	Ave	1.490	0.8700	0.0100	2330	4000	-41.6*	20.0
1,3-Dichlorobenzene	Ave	1.509	1.484	0.0100	3930	4000	-1.6	20.0
1,4-Dichlorobenzene	Ave	1.543	1.492	0.0100	3870	4000	-3.3	20.0
Benzyl alcohol	Ave	0.8691	0.6973	0.0100	3210	4000	-19.8	20.0
1,2-Dichlorobenzene	Ave	1.458	1.425	0.0100	3910	4000	-2.3	20.0
2-Methylphenol	Ave	1.214	1.003	0.7000	3300	4000	-17.4	20.0
bis (2-chloroisopropyl) ether	Ave	1.932	0.9333	0.0100	1930	4000	-51.7*	20.0
Indene	Ave	2.325	2.088	0.0100	18000	20000	-10.2	20.0
4-Methylphenol	Ave	1.206	1.047	0.6000	3470	4000	-13.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.8680	0.6183	0.5000	2850	4000	-28.8*	20.0
Acetophenone	Lin2		1.480	0.0100	3640	4000	-8.9	20.0
Hexachloroethane	Ave	0.6029	0.5395	0.3000	3580	4000	-10.5	20.0
Nitrobenzene	Ave	0.3392	0.2940	0.2000	3470	4000	-13.3	20.0
Isophorone	Lin2		0.5087	0.4000	3390	4000	-15.2	20.0
2-Nitrophenol	Lin2		0.1803	0.1000	4050	4000	1.4	20.0
2,4-Dimethylphenol	Lin2		0.3257	0.2000	3880	4000	-2.9	20.0
Bis(2-chloroethoxy)methane	Lin2		0.3164	0.3000	3480	4000	-13.0	20.0
Benzoic acid	Lin2		0.1677	0.0100	16700	20000	-16.4	50.0
2,4-Dichlorophenol	Ave	0.2735	0.3050	0.2000	4460	4000	11.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3003	0.3383	0.0100	4510	4000	12.6	20.0
Naphthalene	Lin2		1.004	0.7000	3890	4000	-2.8	20.0
4-Chloroaniline	Ave	0.3611	0.3740	0.0100	4140	4000	3.6	20.0
2,6-Dichlorophenol	Ave	0.2646	0.2985	0.0100	4510	4000	12.8	20.0
Hexachlorobutadiene	Ave	0.1780	0.2282	0.0100	5130	4000	28.2*	20.0
Caprolactam	Lin2		0.0858	0.0100	7280	8000	-9.0	50.0
4-Chloro-3-methylphenol	Ave	0.2637	0.2611	0.2000	3960	4000	-1.0	20.0
2-Methylnaphthalene	Ave	0.6788	0.6973	0.4000	4110	4000	2.7	20.0
1-Methylnaphthalene	Ave	0.6405	0.6441	0.0100	4020	4000	0.6	20.0
Hexachlorocyclopentadiene	Lin2		0.3935	0.0500	4060	4000	1.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5705	0.6044	0.0100	4240	4000	6.0	20.0
2,4,6-Trichlorophenol	Lin2		0.3887	0.2000	3980	4000	-0.6	20.0
2,4,5-Trichlorophenol	Lin2		0.3943	0.2000	4400	4000	9.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Lab Sample ID: CCVIS 480-604439/3 Calibration Date: 11/11/2021 15:49

Instrument ID: HP5973Y Calib Start Date: 11/03/2021 10:44

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/03/2021 13:53

Lab File ID: Y02826593.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.505	1.480	0.0100	3930	4000	-1.7	20.0
2-Chloronaphthalene	Ave	1.124	1.122	0.8000	3990	4000	-0.1	20.0
2-Nitroaniline	Lin2		0.2483	0.0100	2990	4000	-25.3*	20.0
Dimethyl phthalate	Ave	1.171	1.275	0.0100	4360	4000	8.9	20.0
1,3-Dinitrobenzene	Lin2		0.1069	0.0100	4350	4000	8.8	20.0
2,6-Dinitrotoluene	Lin2		0.3013	0.2000	4160	4000	4.1	20.0
Acenaphthylene	Ave	1.843	1.797	0.9000	3900	4000	-2.5	20.0
3-Nitroaniline	Lin2		0.2913	0.0100	3780	4000	-5.5	20.0
2,4-Dinitrophenol	Lin2		0.1404	0.0100	8080	8000	1.0	20.0
Acenaphthene	Ave	1.218	1.176	0.9000	3860	4000	-3.5	20.0
4-Nitrophenol	Lin2		0.1537	0.0100	8200	8000	2.5	20.0
2,4-Dinitrotoluene	Lin2		0.3912	0.2000	4180	4000	4.5	20.0
Dibenzofuran	Ave	1.590	1.612	0.8000	4050	4000	1.4	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3273	0.0100	4400	4000	9.9	20.0
Hexadecane	Ave	0.8459	0.4887	0.0100	2310	4000	-42.2*	20.0
Diethyl phthalate	Ave	1.267	1.265	0.0100	3990	4000	-0.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6265	0.6766	0.4000	4320	4000	8.0	20.0
4-Nitroaniline	Lin2		0.3021	0.0100	3860	4000	-3.5	20.0
Fluorene	Ave	1.277	1.295	0.9000	4060	4000	1.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1118	0.0100	8490	8000	6.1	20.0
Diphenylamine	Ave	0.6311	0.5830	0.0100	3160	3420	-7.6	20.0
N-Nitrosodiphenylamine	Ave	0.5396	0.4985	0.0100	3700	4000	-7.6	20.0
1,2-Diphenylhydrazine	Ave	0.7683	0.5218	0.0100	2720	4000	-32.1*	20.0
trans-Azobenzene	Ave	0.7683	0.5218	0.0100	2720	4000	-32.1*	20.0
4-Bromophenyl phenyl ether	Ave	0.2150	0.2483	0.1000	4620	4000	15.5	20.0
Hexachlorobenzene	Ave	0.2444	0.3030	0.1000	4960	4000	24.0*	20.0
Atrazine	Ave	0.3367	0.3851	0.0100	9150	8000	14.4	20.0
n-Octadecane	Ave	0.4992	0.2818	0.0100	2260	4000	-43.5*	20.0
Pentachlorophenol	Lin2		0.1287	0.0500	8360	8000	4.5	20.0
Phenanthrene	Ave	1.065	1.027	0.7000	3860	4000	-3.6	20.0
Anthracene	Ave	1.058	1.058	0.7000	4000	4000	0.0	20.0
Carbazole	Ave	0.9425	0.9120	0.0100	3870	4000	-3.2	20.0
Di-n-butyl phthalate	Ave	1.238	1.189	0.0100	3840	4000	-4.0	20.0
Fluoranthene	Ave	1.095	1.196	0.6000	4370	4000	9.2	20.0
Benidine	Ave	0.6818	0.5953	0.0100	6990	8000	-12.7	50.0
Pyrene	Ave	1.341	1.216	0.6000	3630	4000	-9.3	20.0
Butyl benzyl phthalate	Ave	0.6267	0.5213	0.0100	3330	4000	-16.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9048	0.7512	0.0100	3320	4000	-17.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4933	0.5033	0.0100	8160	8000	2.0	50.0
Benzo[a]anthracene	Ave	1.261	1.242	0.8000	3940	4000	-1.5	20.0
Chrysene	Ave	1.204	1.156	0.7000	3840	4000	-4.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-604439/3 Calibration Date: 11/11/2021 15:49
 Instrument ID: HP5973Y Calib Start Date: 11/03/2021 10:44
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/03/2021 13:53
 Lab File ID: Y02826593.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.520	1.295	0.0100	3410	4000	-14.8	20.0
Benzo[b]fluoranthene	Ave	1.181	1.195	0.7000	4050	4000	1.3	20.0
Benzo[k]fluoranthene	Ave	1.209	1.204	0.7000	3980	4000	-0.4	20.0
Benzo[a]pyrene	Ave	1.135	1.141	0.7000	4020	4000	0.6	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.341	0.5000	3960	4000	-1.1	20.0
Dibenz(a,h)anthracene	Ave	1.174	1.158	0.4000	3950	4000	-1.4	20.0
Benzo[g,h,i]perylene	Ave	1.087	1.129	0.5000	4150	4000	3.9	20.0
2-Fluorophenol (Surr)	Ave	1.244	1.124	0.0100	3610	4000	-9.7	20.0
Phenol-d5 (Surr)	Ave	1.529	1.253	0.0100	3280	4000	-18.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3905	0.3386	0.0100	3470	4000	-13.3	20.0
2-Fluorobiphenyl (Surr)	Ave	1.354	1.370	0.0100	4050	4000	1.1	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1426	0.0100	5460	4000	36.4*	20.0
p-Terphenyl-d14 (Surr)	Ave	1.033	1.027	0.0100	3980	4000	-0.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826593.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 11-Nov-2021 15:49:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: CCV Test
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 12-Nov-2021 14:20:04 Calib Date: 08-Nov-2021 14:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973Y\20211108-102235.b\Y02826458.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1608

First Level Reviewer: marshallj

Date: 11-Nov-2021 16:11:53

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	6.629	6.629	0.000	92	292262	4.00	4.00	
* 2 Naphthalene-d8	136	7.716	7.716	0.000	99	1020323	4.00	4.00	
* 3 Acenaphthene-d10	164	9.206	9.206	0.000	91	589586	4.00	4.00	
* 4 Phenanthrene-d10	188	10.469	10.469	0.000	94	1090937	4.00	4.00	
* 5 Chrysene-d12	240	13.249	13.249	0.000	97	1088457	4.00	4.00	
* 6 Perylene-d12	264	15.519	15.519	0.000	98	1206206	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.483	5.483	0.000	89	328396	4.00	3.61	
\$ 8 Phenol-d5	99	6.280	6.280	0.000	0	366277	4.00	3.28	
\$ 9 Nitrobenzene-d5	82	7.092	7.092	0.000	87	345466	4.00	3.47	
\$ 10 2-Fluorobiphenyl	172	8.604	8.604	0.000	99	807441	4.00	4.05	
\$ 11 2,4,6-Tribromophenol	330	9.870	9.870	0.000	90	155571	4.00	5.46	
\$ 12 p-Terphenyl-d14	244	11.884	11.884	0.000	96	1117616	4.00	3.98	
13 1,4-Dioxane	88	3.698	3.698	0.000	91	113823	4.00	3.10	
14 N-Nitrosodimethylamine	42	4.087	4.087	0.000	90	137836	4.00	2.74	
15 Pyridine	52	4.135	4.135	0.000	97	298116	8.00	4.63	
35 Benzaldehyde	77	6.252	6.252	0.000	93	405608	8.00	5.65	
37 Phenol	94	6.294	6.294	0.000	98	375592	4.00	3.18	
36 Aniline	93	6.343	6.343	0.000	98	452674	4.00	3.10	
39 Bis(2-chloroethyl)ether	93	6.374	6.374	0.000	99	263026	4.00	2.99	
40 2-Chlorophenol	128	6.453	6.453	0.000	95	360645	4.00	3.71	
41 n-Decane	57	6.459	6.459	0.000	88	254272	4.00	2.33	
43 1,3-Dichlorobenzene	146	6.584	6.584	0.000	98	433835	4.00	3.93	
44 1,4-Dichlorobenzene	146	6.643	6.643	0.000	95	435921	4.00	3.87	
45 Benzyl alcohol	108	6.726	6.726	0.000	94	203804	4.00	3.21	
46 1,2-Dichlorobenzene	146	6.780	6.780	0.000	98	416535	4.00	3.91	
48 2-Methylphenol	108	6.808	6.808	0.000	93	293111	4.00	3.30	
49 2,2'-oxybis[1-chloropropane]	45	6.828	6.828	0.000	88	272780	4.00	1.93	
47 Indene	115	6.856	6.856	0.000	89	3050815	20.0	18.0	
57 4-Methylphenol	108	6.930	6.930	0.000	98	305944	4.00	3.47	
53 N-Nitrosodi-n-propylamine	70	6.941	6.941	0.000	88	180719	4.00	2.85	
52 Acetophenone	105	6.956	6.956	0.000	96	432414	4.00	3.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.075	7.075	0.000	90	157664	4.00	3.58	
59 Nitrobenzene	77	7.112	7.112	0.000	85	299945	4.00	3.47	
62 Isophorone	82	7.302	7.302	0.000	98	519082	4.00	3.39	
64 2-Nitrophenol	139	7.381	7.381	0.000	95	183957	4.00	4.05	
66 2,4-Dimethylphenol	107	7.384	7.384	0.000	92	332269	4.00	3.88	
69 Bis(2-chloroethoxy)methane	93	7.458	7.458	0.000	97	322809	4.00	3.48	
70 Benzoic acid	105	7.475	7.475	0.000	86	855740	20.0	16.7	M
72 2,4-Dichlorophenol	162	7.580	7.580	0.000	89	311190	4.00	4.46	
73 1,2,4-Trichlorobenzene	180	7.659	7.659	0.000	94	345133	4.00	4.51	
74 Naphthalene	128	7.736	7.736	0.000	97	1024589	4.00	3.89	
76 4-Chloroaniline	127	7.756	7.756	0.000	97	381550	4.00	4.14	
77 2,6-Dichlorophenol	162	7.773	7.773	0.000	97	304554	4.00	4.51	
79 Hexachlorobutadiene	225	7.827	7.827	0.000	94	232887	4.00	5.13	
84 Caprolactam	113	8.051	8.051	0.000	85	175025	8.00	7.28	
85 4-Chloro-3-methylphenol	107	8.142	8.142	0.000	94	266397	4.00	3.96	
87 2-Methylnaphthalene	142	8.315	8.315	0.000	93	711487	4.00	4.11	
89 1-Methylnaphthalene	142	8.403	8.403	0.000	92	657239	4.00	4.02	
90 Hexachlorocyclopentadiene	237	8.448	8.448	0.000	91	232027	4.00	4.06	
91 1,2,4,5-Tetrachlorobenzene	216	8.457	8.457	0.000	95	356369	4.00	4.24	
93 2,4,6-Trichlorophenol	196	8.542	8.542	0.000	89	229164	4.00	3.98	
94 2,4,5-Trichlorophenol	196	8.579	8.579	0.000	94	232498	4.00	4.40	
96 1,1'-Biphenyl	154	8.698	8.698	0.000	95	872471	4.00	3.93	
97 2-Chloronaphthalene	162	8.732	8.732	0.000	95	661579	4.00	3.99	
100 2-Nitroaniline	65	8.797	8.797	0.000	91	146421	4.00	2.99	
105 Dimethyl phthalate	163	8.919	8.919	0.000	99	751675	4.00	4.36	
106 1,3-Dinitrobenzene	168	8.962	8.962	0.000	94	109047	4.00	4.35	
107 2,6-Dinitrotoluene	165	8.984	8.984	0.000	93	177646	4.00	4.16	
108 Acenaphthylene	152	9.089	9.089	0.000	97	1059303	4.00	3.90	
109 3-Nitroaniline	138	9.138	9.138	0.000	94	171755	4.00	3.78	
111 2,4-Dinitrophenol	184	9.223	9.223	0.000	88	165602	8.00	8.08	
110 Acenaphthene	153	9.234	9.234	0.000	94	693141	4.00	3.86	
112 4-Nitrophenol	109	9.251	9.251	0.000	84	181212	8.00	8.20	
114 2,4-Dinitrotoluene	165	9.328	9.328	0.000	94	230669	4.00	4.18	
115 Dibenzofuran	168	9.376	9.376	0.000	97	950520	4.00	4.05	
118 2,3,4,6-Tetrachlorophenol	232	9.473	9.473	0.000	69	192943	4.00	4.40	
121 Hexadecane	57	9.495	9.495	0.000	98	288143	4.00	2.31	
120 Diethyl phthalate	149	9.504	9.504	0.000	98	745560	4.00	3.99	
123 4-Chlorophenyl phenyl ether	204	9.637	9.637	0.000	87	398912	4.00	4.32	
126 4-Nitroaniline	138	9.657	9.657	0.000	92	178086	4.00	3.86	
124 Fluorene	166	9.668	9.668	0.000	93	763365	4.00	4.06	
127 4,6-Dinitro-2-methylphenol	198	9.680	9.680	0.000	94	243971	8.00	8.49	
130 N-Nitrosodiphenylamine	169	9.731	9.731	0.000	86	543791	4.00	3.70	
129 Diphenylamine	169	9.731	9.731	0.000	93	543791	3.42	3.16	
132 Azobenzene	77	9.773	9.773	0.000	97	569304	4.00	2.72	
131 1,2-Diphenylhydrazine	77	9.773	9.773	0.000	42	569304	4.00	2.72	
139 4-Bromophenyl phenyl ether	248	10.054	10.054	0.000	59	270923	4.00	4.62	
140 Hexachlorobenzene	284	10.145	10.145	0.000	96	330536	4.00	4.96	
143 Atrazine	200	10.151	10.151	0.000	95	454140	8.00	9.15	
148 n-Octadecane	57	10.267	10.267	0.000	95	307469	4.00	2.26	
145 Pentachlorophenol	266	10.298	10.298	0.000	95	280870	8.00	8.36	
151 Phenanthrene	178	10.488	10.488	0.000	96	1120848	4.00	3.86	
152 Anthracene	178	10.531	10.531	0.000	95	1154240	4.00	4.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.650	10.650	0.000	96	994968	4.00	3.87	
157 Di-n-butyl phthalate	149	10.871	10.871	0.000	99	1296771	4.00	3.84	
164 Fluoranthene	202	11.547	11.547	0.000	97	1304375	4.00	4.37	
166 Benzidine	184	11.629	11.629	0.000	98	1295900	8.00	6.99	
167 Pyrene	202	11.788	11.788	0.000	97	1323534	4.00	3.63	
174 Butyl benzyl phthalate	149	12.390	12.390	0.000	94	567366	4.00	3.33	
181 Bis(2-ethylhexyl) phthalate	149	13.116	13.116	0.000	93	817692	4.00	3.32	
179 3,3'-Dichlorobenzidine	252	13.150	13.150	0.000	72	1095634	8.00	8.16	
180 Benzo[a]anthracene	228	13.232	13.232	0.000	97	1351530	4.00	3.94	
182 Chrysene	228	13.286	13.286	0.000	96	1258352	4.00	3.84	
184 Di-n-octyl phthalate	149	14.089	14.089	0.000	98	1409619	4.00	3.41	
186 Benzo[b]fluoranthene	252	14.887	14.887	0.000	96	1441809	4.00	4.05	
187 Benzo[k]fluoranthene	252	14.929	14.929	0.000	98	1452242	4.00	3.98	
189 Benzo[a]pyrene	252	15.429	15.429	0.000	76	1376626	4.00	4.02	
193 Indeno[1,2,3-cd]pyrene	276	17.432	17.432	0.000	95	1617741	4.00	3.96	
194 Dibenz(a,h)anthracene	278	17.438	17.438	0.000	90	1397082	4.00	3.95	
195 Benzo[g,h,i]perylene	276	17.997	17.997	0.000	97	1361695	4.00	4.15	

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

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Operator ID: JM

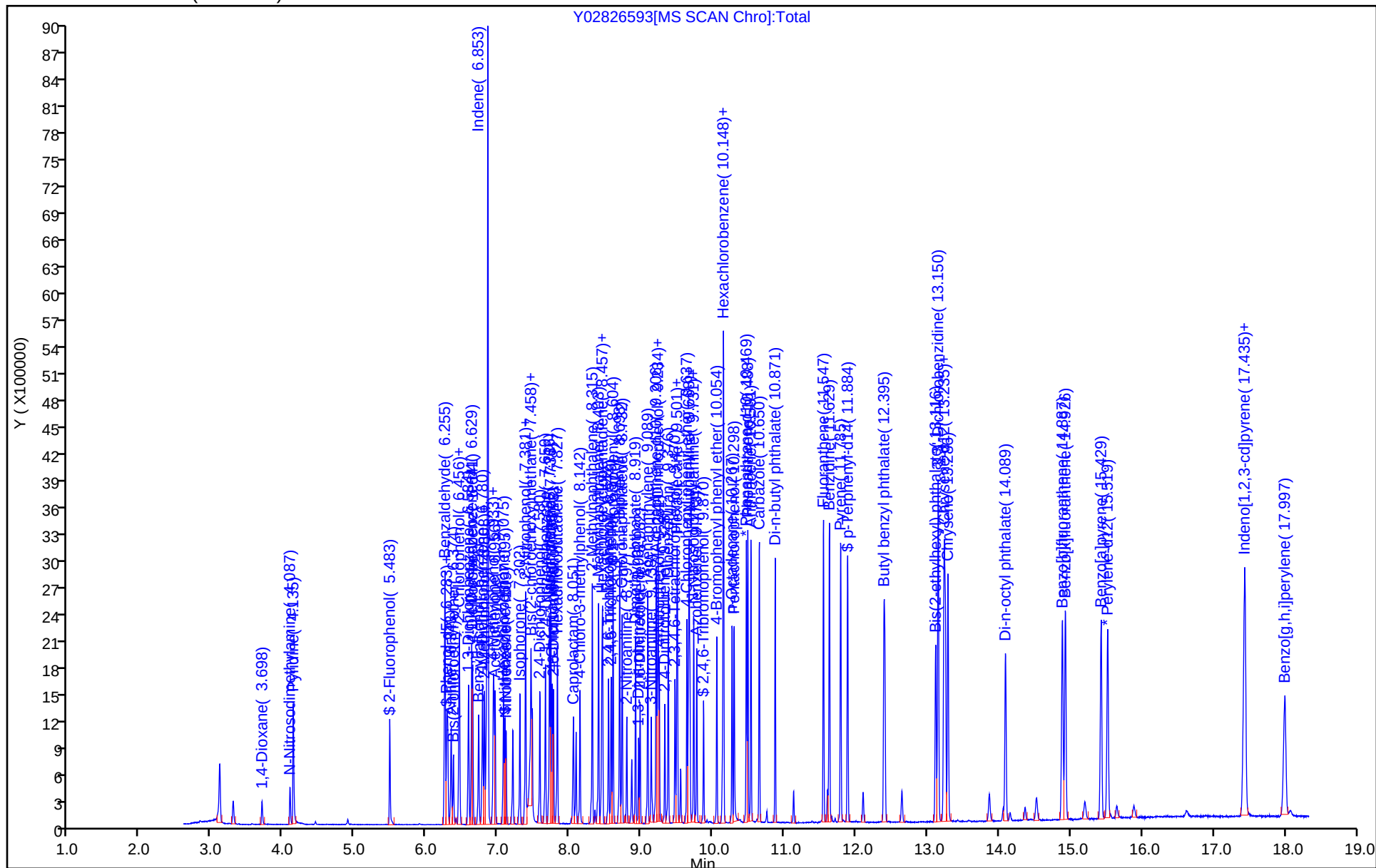
Worklist Smp#: 3

Client ID:

ALS Bottle#: 3

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826593.D

Injection Date: 11-Nov-2021 15:49:30

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)

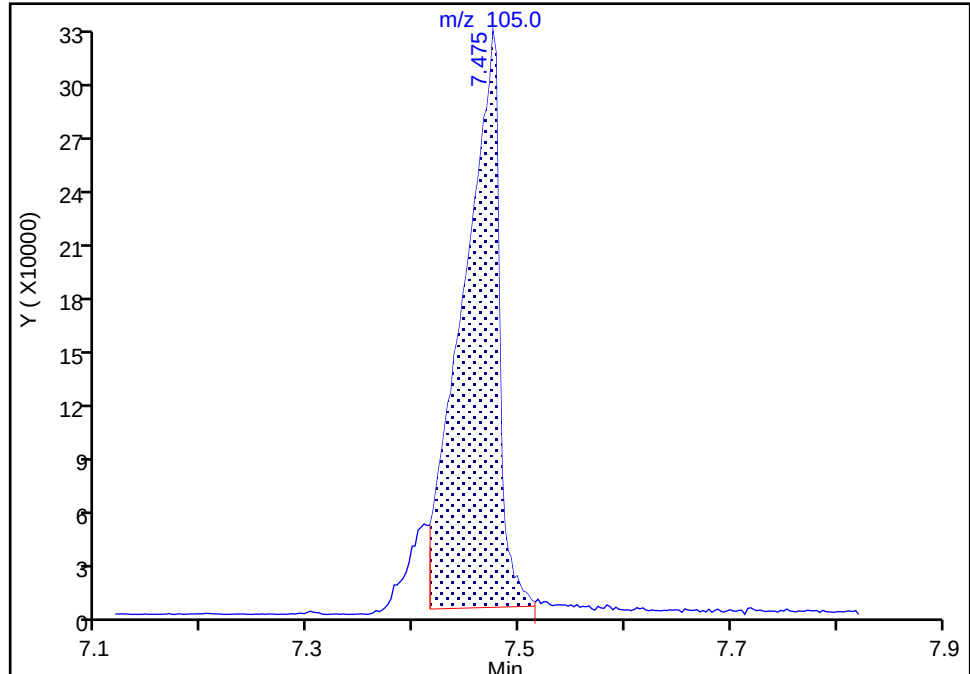
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

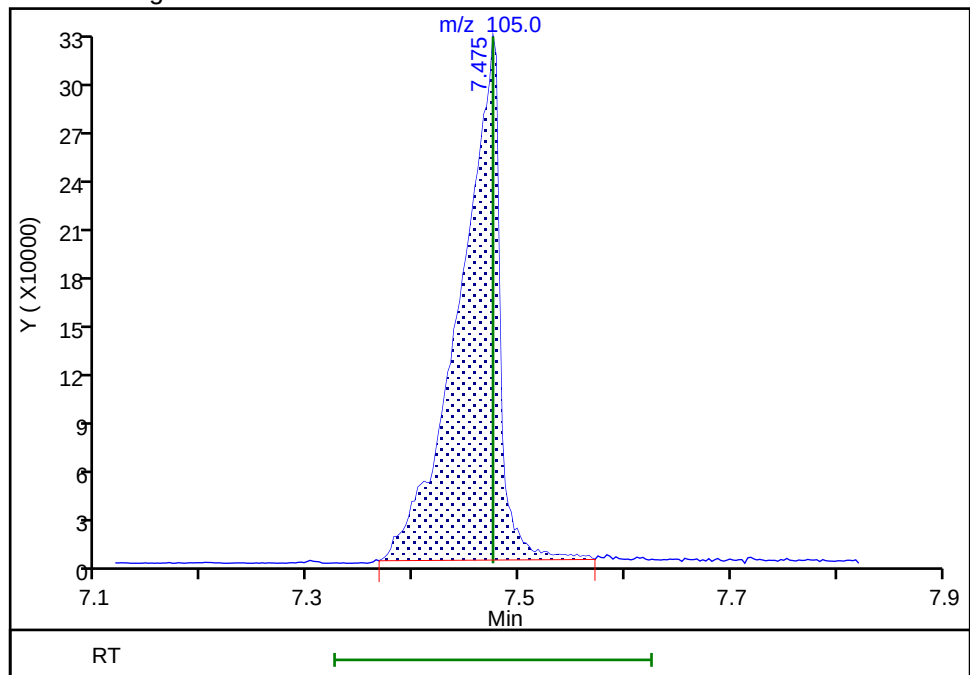
RT: 7.47
Area: 768452
Amount: 15.226021
Amount Units: ng/uL

Processing Integration Results



RT: 7.47
Area: 855740
Amount: 16.714747
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 12:51:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

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.: 480-191867-1

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.: 480-191867-1
 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

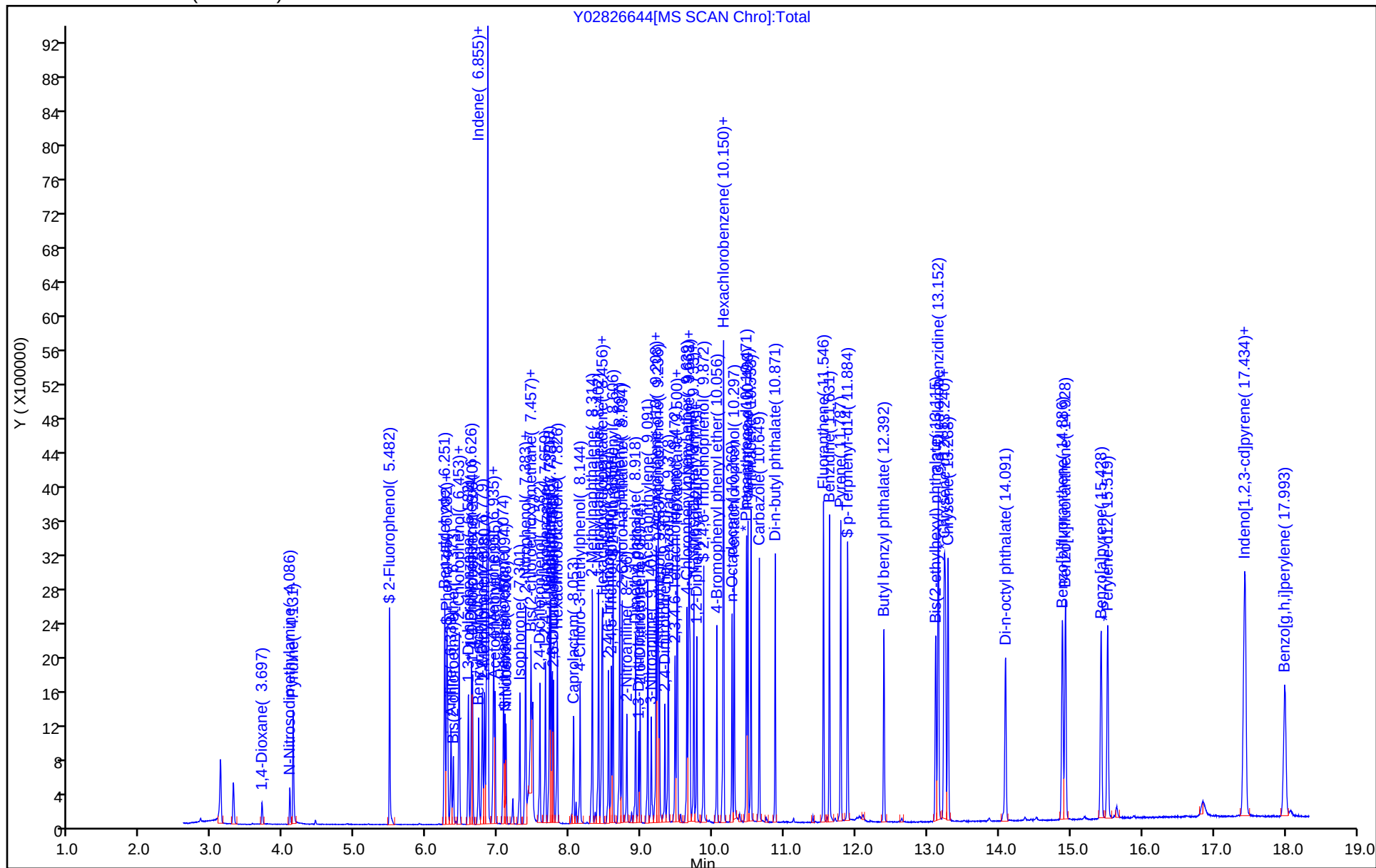
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



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

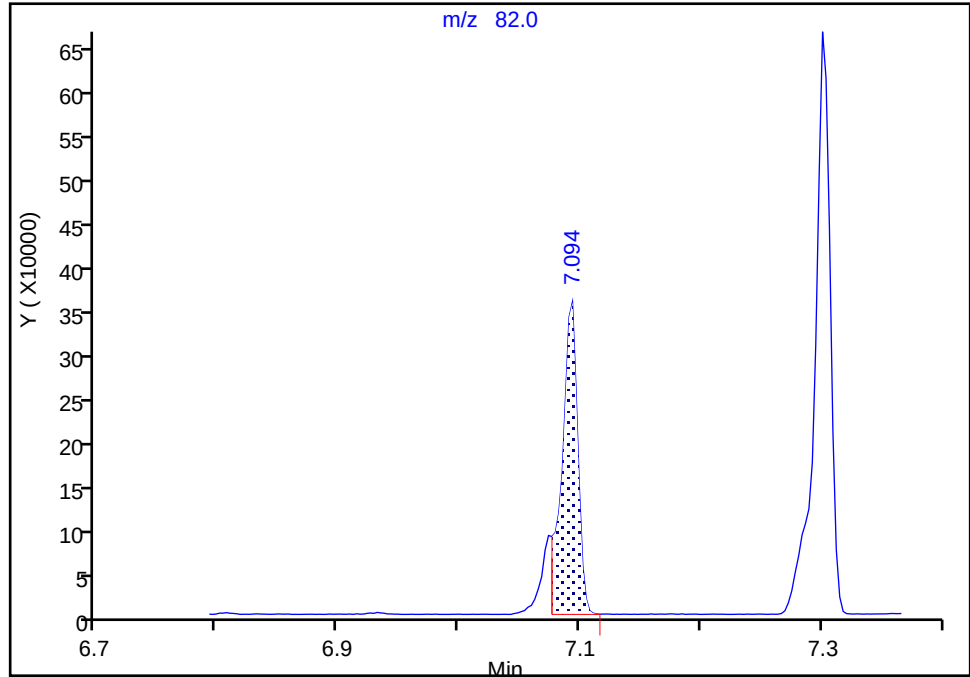
MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

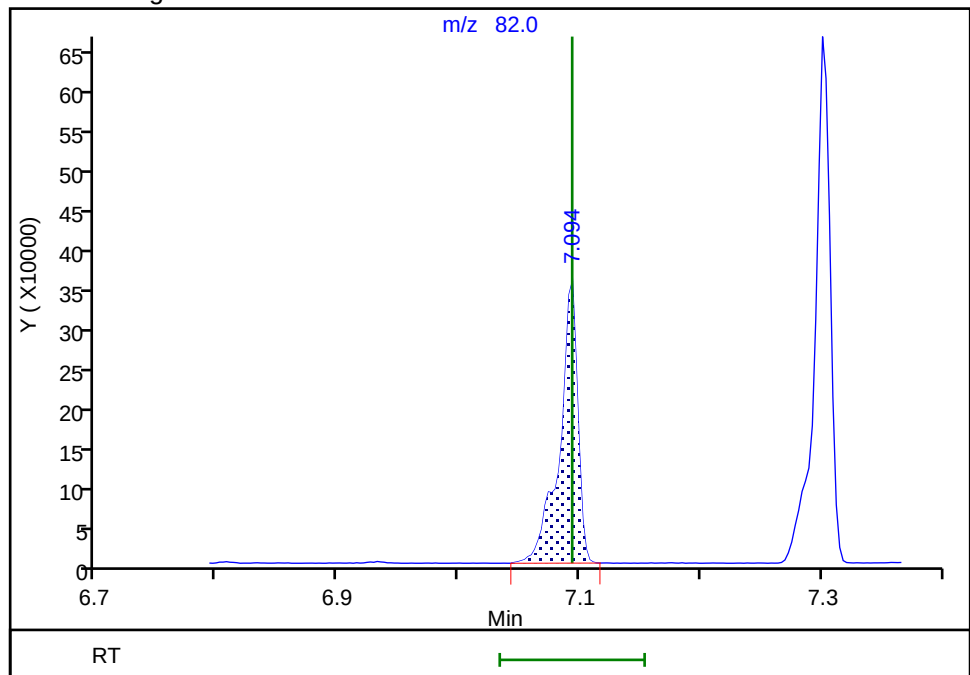
RT: 7.09
Area: 322674
Amount: 3.603303
Amount Units: ng/uL

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

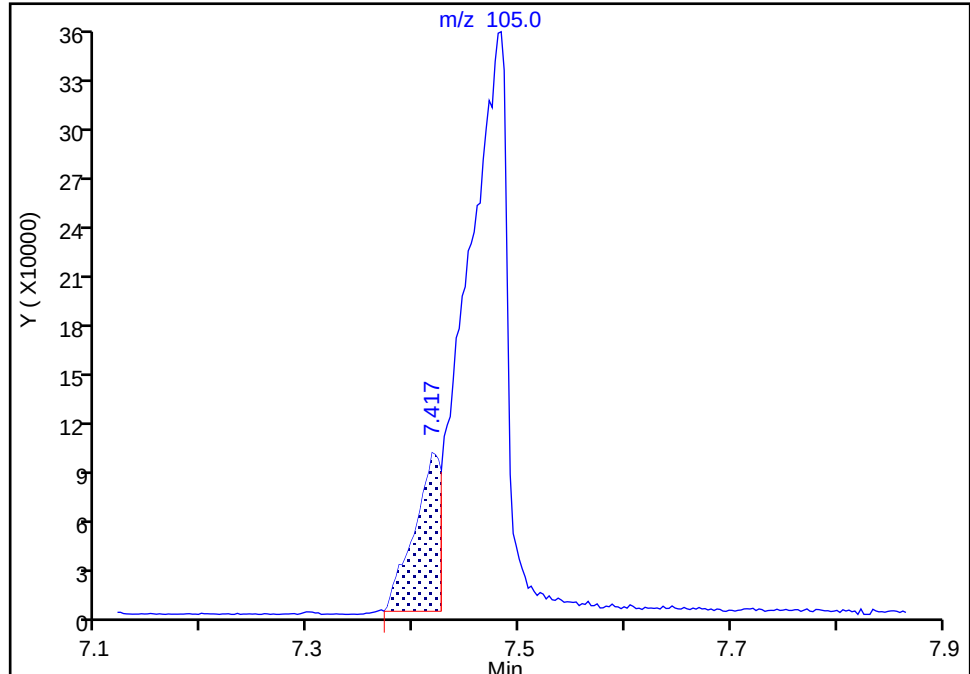
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D
Injection Date: 12-Nov-2021 15:00:30 Instrument ID: HP5973Y
Lims ID: ICV - List 1 - 4
Client ID:
Operator ID: JM ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

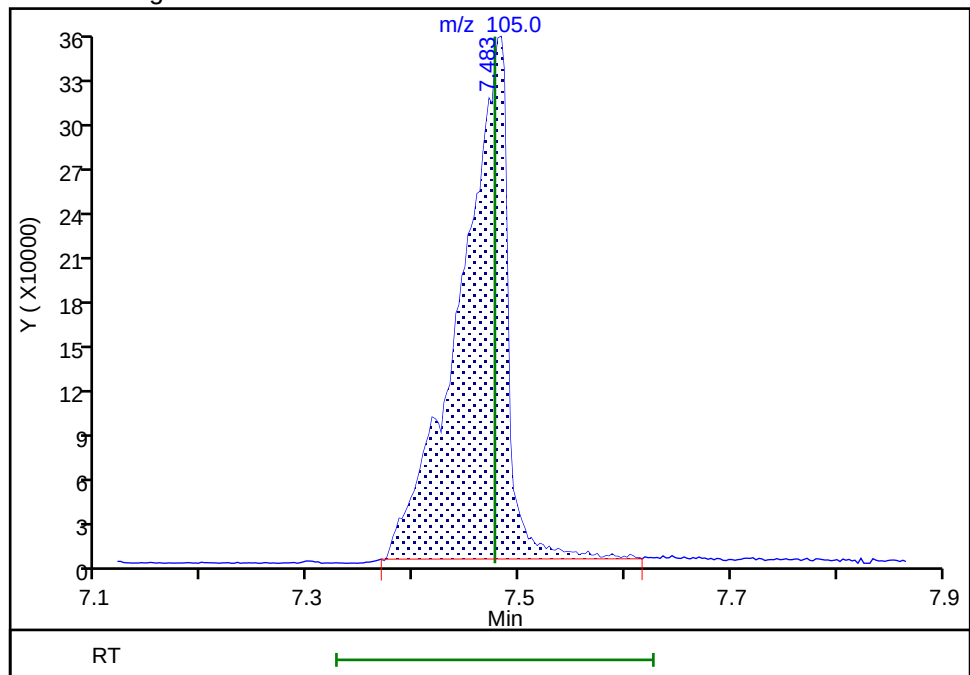
RT: 7.42
Area: 166396
Amount: 4.784758
Amount Units: ng/uL

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 695 of 807

11/16/2021

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

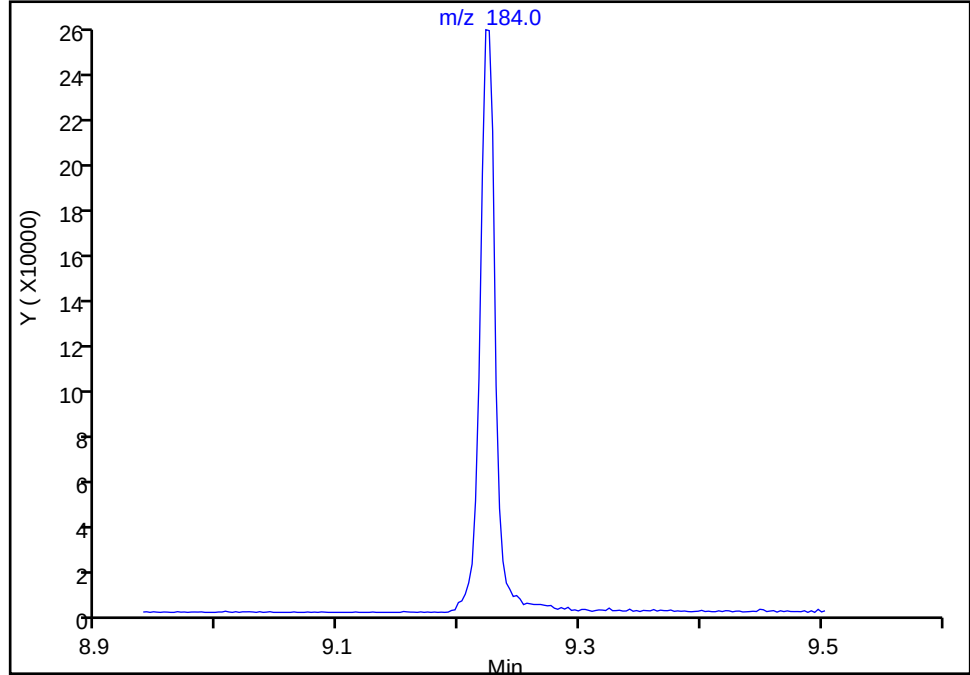
111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

Not Detected

Expected RT: 9.22

Processing Integration Results



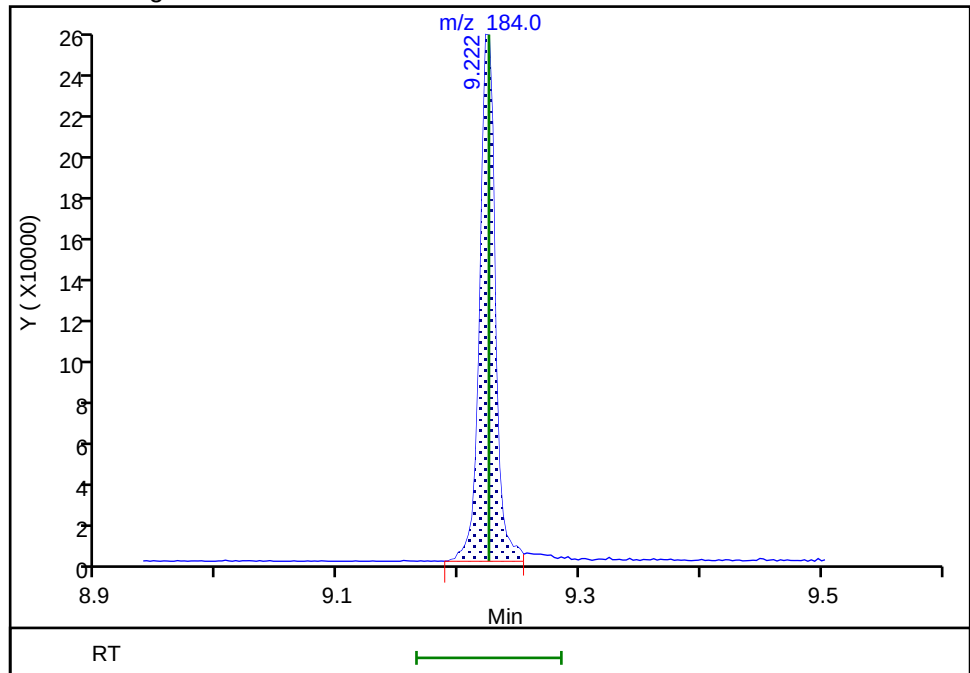
RT: 9.22

Area: 225322

Amount: 8.282139

Amount Units: ng/uL

Manual Integration Results



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.: 480-191867-1

SDG No.: _____

Lab Sample ID: CCVIS 480-604662/3 Calibration Date: 11/13/2021 00:58

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: Y02826666.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	0.3663	0.0100	3980	4000	-0.5	20.0
N-Nitrosodimethylamine	Ave	0.4387	0.4401	0.0100	4010	4000	0.3	50.0
Pyridine	Ave	0.4722	0.4607	0.0100	7810	8000	-2.4	50.0
Benzaldehyde	Lin2		0.6774	0.0100	7750	8000	-3.1	50.0
Phenol	Ave	1.263	1.211	0.8000	3830	4000	-4.1	20.0
Aniline	Ave	1.545	1.476	0.0100	3820	4000	-4.4	20.0
Bis(2-chloroethyl)ether	Ave	0.8938	0.8995	0.7000	4030	4000	0.6	20.0
2-Chlorophenol	Ave	1.229	1.194	0.8000	3890	4000	-2.8	20.0
n-Decane	Ave	0.8272	0.8067	0.0100	3900	4000	-2.5	20.0
1,3-Dichlorobenzene	Ave	1.480	1.462	0.0100	3950	4000	-1.2	20.0
1,4-Dichlorobenzene	Ave	1.497	1.476	0.0100	3940	4000	-1.4	20.0
Benzyl alcohol	Lin2		0.6867	0.0100	3970	4000	-0.7	20.0
1,2-Dichlorobenzene	Ave	1.429	1.394	0.0100	3900	4000	-2.4	20.0
2-Methylphenol	Ave	1.015	0.9897	0.7000	3900	4000	-2.5	20.0
bis (2-chloroisopropyl) ether	Ave	0.8598	0.8420	0.0100	3920	4000	-2.1	20.0
Indene	Ave	2.095	2.017	0.0100	19300	20000	-3.7	20.0
4-Methylphenol	Ave	1.055	1.021	0.6000	3870	4000	-3.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.5933	0.5980	0.5000	4030	4000	0.8	20.0
Acetophenone	Ave	1.446	1.427	0.0100	3950	4000	-1.3	20.0
Hexachloroethane	Ave	0.5408	0.5228	0.3000	3870	4000	-3.3	20.0
Nitrobenzene	Ave	0.2821	0.2892	0.2000	4100	4000	2.5	20.0
Isophorone	Lin2		0.5108	0.4000	4140	4000	3.5	20.0
2-Nitrophenol	Lin2		0.1969	0.1000	4200	4000	4.9	20.0
2,4-Dimethylphenol	Lin2		0.3234	0.2000	4270	4000	6.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.2926	0.3125	0.3000	4270	4000	6.8	20.0
Benzoic acid	Lin2		0.1820	0.0100	19700	20000	-1.6	50.0
2,4-Dichlorophenol	Ave	0.2976	0.3082	0.2000	4140	4000	3.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3445	0.0100	4090	4000	2.3	20.0
Naphthalene	Lin2		1.005	0.7000	4020	4000	0.4	20.0
4-Chloroaniline	Ave	0.3582	0.3716	0.0100	4150	4000	3.7	20.0
2,6-Dichlorophenol	Ave	0.3006	0.3132	0.0100	4170	4000	4.2	20.0
Hexachlorobutadiene	Ave	0.2325	0.2399	0.0100	4130	4000	3.2	20.0
Caprolactam	Lin2		0.0888	0.0100	8030	8000	0.3	50.0
4-Chloro-3-methylphenol	Ave	0.2543	0.2644	0.2000	4160	4000	4.0	20.0
2-Methylnaphthalene	Ave	0.7072	0.7213	0.4000	4080	4000	2.0	20.0
1-Methylnaphthalene	Ave	0.6464	0.6746	0.0100	4170	4000	4.4	20.0
Hexachlorocyclopentadiene	Lin2		0.4168	0.0500	3830	4000	-4.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6488	0.6463	0.0100	3980	4000	-0.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3937	0.2000	3940	4000	-1.5	20.0
2,4,5-Trichlorophenol	Lin2		0.3992	0.2000	4000	4000	-0.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-604662/3 Calibration Date: 11/13/2021 00:58
 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: Y02826666.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.422	1.441	0.0100	4050	4000	1.3	20.0
2-Chloronaphthalene	Ave	1.074	1.108	0.8000	4130	4000	3.2	20.0
2-Nitroaniline	Lin2		0.2286	0.0100	3960	4000	-1.1	20.0
Dimethyl phthalate	Ave	1.192	1.236	0.0100	4150	4000	3.7	20.0
1,3-Dinitrobenzene	Lin2		0.1215	0.0100	4190	4000	4.6	20.0
2,6-Dinitrotoluene	Lin2		0.2997	0.2000	4190	4000	4.8	20.0
Acenaphthylene	Ave	1.758	1.762	0.9000	4010	4000	0.2	20.0
3-Nitroaniline	Lin2		0.2598	0.0100	3600	4000	-10.1	20.0
2,4-Dinitrophenol	Lin2		0.1397	0.0100	7070	8000	-11.6	20.0
Acenaphthene	Ave	1.170	1.155	0.9000	3950	4000	-1.3	20.0
4-Nitrophenol	Lin2		0.1354	0.0100	7530	8000	-5.8	20.0
2,4-Dinitrotoluene	Lin2		0.3946	0.2000	4080	4000	2.0	20.0
Dibenzofuran	Ave	1.611	1.599	0.8000	3970	4000	-0.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3502	0.0100	4140	4000	3.5	20.0
Hexadecane	Ave	0.4655	0.4569	0.0100	3930	4000	-1.9	20.0
Diethyl phthalate	Ave	1.207	1.243	0.0100	4120	4000	3.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.6675	0.6827	0.4000	4090	4000	2.3	20.0
4-Nitroaniline	Lin2		0.2719	0.0100	3560	4000	-11.0	20.0
Fluorene	Ave	1.261	1.316	0.9000	4180	4000	4.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1147	0.0100	7620	8000	-4.8	20.0
Diphenylamine	Ave	0.5874	0.5796	0.0100	3370	3420	-1.3	20.0
N-Nitrosodiphenylamine	Ave	0.5022	0.4955	0.0100	3950	4000	-1.3	20.0
1,2-Diphenylhydrazine	Ave	0.5065	0.4922	0.0100	3890	4000	-2.8	20.0
trans-Azobenzene	Ave	0.5065	0.4922	0.0100	3890	4000	-2.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2539	0.2499	0.1000	3940	4000	-1.6	20.0
Hexachlorobenzene	Ave	0.3169	0.3174	0.1000	4010	4000	0.1	20.0
Atrazine	Ave	0.3758	0.3763	0.0100	8010	8000	0.1	20.0
n-Octadecane	Ave	0.2663	0.2512	0.0100	3770	4000	-5.7	20.0
Pentachlorophenol	Lin2		0.1473	0.0500	8180	8000	2.3	20.0
Phenanthrene	Ave	1.041	0.996	0.7000	3830	4000	-4.3	20.0
Anthracene	Ave	1.031	1.013	0.7000	3930	4000	-1.7	20.0
Carbazole	Ave	0.8834	0.9007	0.0100	4080	4000	2.0	20.0
Di-n-butyl phthalate	Ave	1.128	1.172	0.0100	4160	4000	3.9	20.0
Fluoranthene	Ave	1.157	1.163	0.6000	4020	4000	0.5	20.0
Benidine	Ave	0.5912	0.5766	0.0100	7800	8000	-2.5	50.0
Pyrene	Ave	1.209	1.263	0.6000	4180	4000	4.5	20.0
Butyl benzyl phthalate	Ave	0.5048	0.5483	0.0100	4340	4000	8.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7195	0.7735	0.0100	4300	4000	7.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4935	0.5194	0.0100	8420	8000	5.3	50.0
Benzo[a]anthracene	Ave	1.210	1.216	0.8000	4020	4000	0.5	20.0
Chrysene	Ave	1.152	1.178	0.7000	4090	4000	2.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-604662/3 Calibration Date: 11/13/2021 00:58
 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: Y02826666.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		1.295	0.0100	4200	4000	5.0	20.0
Benzo[b]fluoranthene	Ave	1.155	1.153	0.7000	3990	4000	-0.2	20.0
Benzo[k]fluoranthene	Ave	1.171	1.175	0.7000	4010	4000	0.3	20.0
Benzo[a]pyrene	Ave	1.103	1.132	0.7000	4100	4000	2.6	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.386	0.5000	4130	4000	3.3	20.0
Dibenz(a,h)anthracene	Ave	1.156	1.176	0.4000	4070	4000	1.7	20.0
Benzo[g,h,i]perylene	Ave	1.157	1.197	0.5000	4140	4000	3.4	20.0
2-Fluorophenol (Surr)	Ave	1.072	1.060	0.0100	3950	4000	-1.1	20.0
Phenol-d5 (Surr)	Ave	1.235	1.211	0.0100	3920	4000	-1.9	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3295	0.3274	0.0100	3980	4000	-0.6	20.0
2-Fluorobiphenyl	Ave	1.356	1.336	0.0100	3940	4000	-1.5	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1579	0.0100	3980	4000	-0.6	20.0
p-Terphenyl-d14 (Surr)	Ave	1.044	1.105	0.0100	4230	4000	5.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826666.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 13-Nov-2021 00:58:30 ALS Bottle#: 33 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102376-003
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 14:53:13 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: 15-Nov-2021 13:20:11

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	6.627	0.000	93	348892	4.00	4.00	
* 2 Naphthalene-d8	136	7.717	7.717	0.000	98	1181778	4.00	4.00	
* 3 Acenaphthene-d10	164	9.207	9.207	0.000	90	718785	4.00	4.00	
* 4 Phenanthrene-d10	188	10.470	10.470	0.000	94	1343601	4.00	4.00	
* 5 Chrysene-d12	240	13.250	13.250	0.000	97	1267233	4.00	4.00	
* 6 Perylene-d12	264	15.523	15.523	0.000	98	1455473	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.484	5.484	0.000	89	369898	4.00	3.95	
\$ 8 Phenol-d5	99	6.284	6.284	0.000	0	422475	4.00	3.92	
\$ 9 Nitrobenzene-d5	82	7.093	7.093	0.000	87	386949	4.00	3.98	M
\$ 10 2-Fluorobiphenyl	172	8.605	8.605	0.000	98	960105	4.00	3.94	
\$ 11 2,4,6-Tribromophenol	330	9.871	9.871	0.000	90	212093	4.00	3.98	
\$ 12 p-Terphenyl-d14	244	11.886	11.886	0.000	96	1399722	4.00	4.23	
13 1,4-Dioxane	88	3.693	3.693	0.000	90	127796	4.00	3.98	
14 N-Nitrosodimethylamine	42	4.085	4.085	0.000	90	153559	4.00	4.01	
15 Pyridine	52	4.130	4.130	0.000	97	321439	8.00	7.81	
35 Benzaldehyde	77	6.253	6.253	0.000	93	472706	8.00	7.75	
37 Phenol	94	6.296	6.296	0.000	98	422456	4.00	3.83	
36 Aniline	93	6.341	6.341	0.000	99	514989	4.00	3.82	
39 Bis(2-chloroethyl)ether	93	6.372	6.372	0.000	100	313831	4.00	4.03	
40 2-Chlorophenol	128	6.452	6.452	0.000	93	416694	4.00	3.89	
41 n-Decane	57	6.454	6.454	0.000	87	281462	4.00	3.90	
43 1,3-Dichlorobenzene	146	6.582	6.582	0.000	98	510106	4.00	3.95	
44 1,4-Dichlorobenzene	146	6.642	6.642	0.000	95	515115	4.00	3.94	
45 Benzyl alcohol	108	6.727	6.727	0.000	96	239570	4.00	3.97	
46 1,2-Dichlorobenzene	146	6.778	6.778	0.000	98	486479	4.00	3.90	
48 2-Methylphenol	108	6.809	6.809	0.000	93	345314	4.00	3.90	
49 2,2'-oxybis[1-chloropropane]	45	6.832	6.832	0.000	88	293759	4.00	3.92	
47 Indene	115	6.855	6.855	0.000	89	3518777	20.0	19.3	
57 4-Methylphenol	108	6.934	6.934	0.000	97	356244	4.00	3.87	
53 N-Nitrosodi-n-propylamine	70	6.942	6.942	0.000	84	208628	4.00	4.03	
52 Acetophenone	105	6.957	6.957	0.000	97	497752	4.00	3.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.073	7.073	0.000	89	182410	4.00	3.87	
59 Nitrobenzene	77	7.110	7.110	0.000	86	341825	4.00	4.10	
62 Isophorone	82	7.303	7.303	0.000	98	603600	4.00	4.14	
64 2-Nitrophenol	139	7.379	7.379	0.000	93	232661	4.00	4.20	
66 2,4-Dimethylphenol	107	7.385	7.385	0.000	94	382204	4.00	4.27	
69 Bis(2-chloroethoxy)methane	93	7.459	7.459	0.000	97	369351	4.00	4.27	
70 Benzoic acid	105	7.484	7.484	0.000	87	1075587	20.0	19.7	M
72 2,4-Dichlorophenol	162	7.584	7.584	0.000	89	364198	4.00	4.14	
73 1,2,4-Trichlorobenzene	180	7.660	7.660	0.000	94	407110	4.00	4.09	
74 Naphthalene	128	7.737	7.737	0.000	98	1187724	4.00	4.02	
76 4-Chloroaniline	127	7.757	7.757	0.000	97	439176	4.00	4.15	
77 2,6-Dichlorophenol	162	7.774	7.774	0.000	96	370098	4.00	4.17	
79 Hexachlorobutadiene	225	7.825	7.825	0.000	93	283478	4.00	4.13	
84 Caprolactam	113	8.055	8.055	0.000	86	209899	8.00	8.03	
85 4-Chloro-3-methylphenol	107	8.146	8.146	0.000	93	312504	4.00	4.16	
87 2-Methylnaphthalene	142	8.316	8.316	0.000	92	852466	4.00	4.08	
89 1-Methylnaphthalene	142	8.401	8.401	0.000	94	797260	4.00	4.17	
90 Hexachlorocyclopentadiene	237	8.449	8.449	0.000	92	299621	4.00	3.83	
91 1,2,4,5-Tetrachlorobenzene	216	8.458	8.458	0.000	95	464582	4.00	3.98	
93 2,4,6-Trichlorophenol	196	8.543	8.543	0.000	87	282968	4.00	3.94	
94 2,4,5-Trichlorophenol	196	8.580	8.580	0.000	95	286930	4.00	4.00	
96 1,1'-Biphenyl	154	8.696	8.696	0.000	94	1035490	4.00	4.05	
97 2-Chloronaphthalene	162	8.733	8.733	0.000	95	796461	4.00	4.13	
100 2-Nitroaniline	65	8.798	8.798	0.000	93	164285	4.00	3.96	
105 Dimethyl phthalate	163	8.920	8.920	0.000	99	888330	4.00	4.15	
106 1,3-Dinitrobenzene	168	8.963	8.963	0.000	96	143547	4.00	4.19	
107 2,6-Dinitrotoluene	165	8.986	8.986	0.000	92	215432	4.00	4.19	
108 Acenaphthylene	152	9.091	9.091	0.000	97	1266560	4.00	4.01	
109 3-Nitroaniline	138	9.139	9.139	0.000	94	186734	4.00	3.60	
111 2,4-Dinitrophenol	184	9.224	9.224	0.000	87	200806	8.00	7.07	
110 Acenaphthene	153	9.235	9.235	0.000	93	830223	4.00	3.95	
112 4-Nitrophenol	109	9.255	9.255	0.000	84	194692	8.00	7.53	
114 2,4-Dinitrotoluene	165	9.329	9.329	0.000	93	283656	4.00	4.08	
115 Dibenzofuran	168	9.377	9.377	0.000	96	1149371	4.00	3.97	
118 2,3,4,6-Tetrachlorophenol	232	9.471	9.471	0.000	68	251698	4.00	4.14	
121 Hexadecane	57	9.499	9.499	0.000	96	328409	4.00	3.93	
120 Diethyl phthalate	149	9.505	9.505	0.000	99	893776	4.00	4.12	
123 4-Chlorophenyl phenyl ether	204	9.638	9.638	0.000	86	490720	4.00	4.09	
126 4-Nitroaniline	138	9.658	9.658	0.000	91	195418	4.00	3.56	
124 Fluorene	166	9.669	9.669	0.000	94	945849	4.00	4.18	
127 4,6-Dinitro-2-methylphenol	198	9.681	9.681	0.000	94	308329	8.00	7.62	
130 N-Nitrosodiphenylamine	169	9.735	9.735	0.000	63	665800	4.00	3.95	
129 Diphenylamine	169	9.735	9.735	0.000	92	665800	3.42	3.37	
131 1,2-Diphenylhydrazine	77	9.774	9.774	0.000	41	661337	4.00	3.89	
132 Azobenzene	77	9.774	9.774	0.000	97	661337	4.00	3.89	
139 4-Bromophenyl phenyl ether	248	10.055	10.055	0.000	58	335717	4.00	3.94	
140 Hexachlorobenzene	284	10.143	10.143	0.000	95	426405	4.00	4.01	
143 Atrazine	200	10.152	10.152	0.000	94	540944	8.00	8.01	
148 n-Octadecane	57	10.268	10.268	0.000	97	337491	4.00	3.77	
145 Pentachlorophenol	266	10.299	10.299	0.000	95	395705	8.00	8.18	
151 Phenanthrene	178	10.489	10.489	0.000	95	1338398	4.00	3.83	
152 Anthracene	178	10.532	10.532	0.000	95	1361070	4.00	3.93	

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	10.648	0.000	97	1210203	4.00	4.08	
157 Di-n-butyl phthalate	149	10.870	10.870	0.000	99	1575226	4.00	4.16	
164 Fluoranthene	202	11.548	11.548	0.000	97	1562190	4.00	4.02	
166 Benzidine	184	11.630	11.630	0.000	98	1461473	8.00	7.80	
167 Pyrene	202	11.786	11.786	0.000	98	1600525	4.00	4.18	
174 Butyl benzyl phthalate	149	12.391	12.391	0.000	93	694817	4.00	4.34	
181 Bis(2-ethylhexyl) phthalate	149	13.114	13.114	0.000	92	980222	4.00	4.30	
179 3,3'-Dichlorobenzidine	252	13.151	13.151	0.000	72	1316515	8.00	8.42	
180 Benzo[a]anthracene	228	13.233	13.233	0.000	97	1541172	4.00	4.02	
182 Chrysene	228	13.287	13.287	0.000	96	1492823	4.00	4.09	
184 Di-n-octyl phthalate	149	14.093	14.093	0.000	98	1641420	4.00	4.20	
186 Benzo[b]fluoranthene	252	14.888	14.888	0.000	96	1678561	4.00	3.99	
187 Benzo[k]fluoranthene	252	14.930	14.930	0.000	97	1709852	4.00	4.01	
189 Benzo[a]pyrene	252	15.430	15.430	0.000	76	1648005	4.00	4.10	
193 Indeno[1,2,3-cd]pyrene	276	17.430	17.430	0.000	97	2017656	4.00	4.13	a
194 Dibenz(a,h)anthracene	278	17.444	17.444	0.000	89	1711586	4.00	4.07	
195 Benzo[g,h,i]perylene	276	18.001	18.001	0.000	97	1742041	4.00	4.14	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

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 14:53:14

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826666.D

Injection Date: 13-Nov-2021 00:58:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul

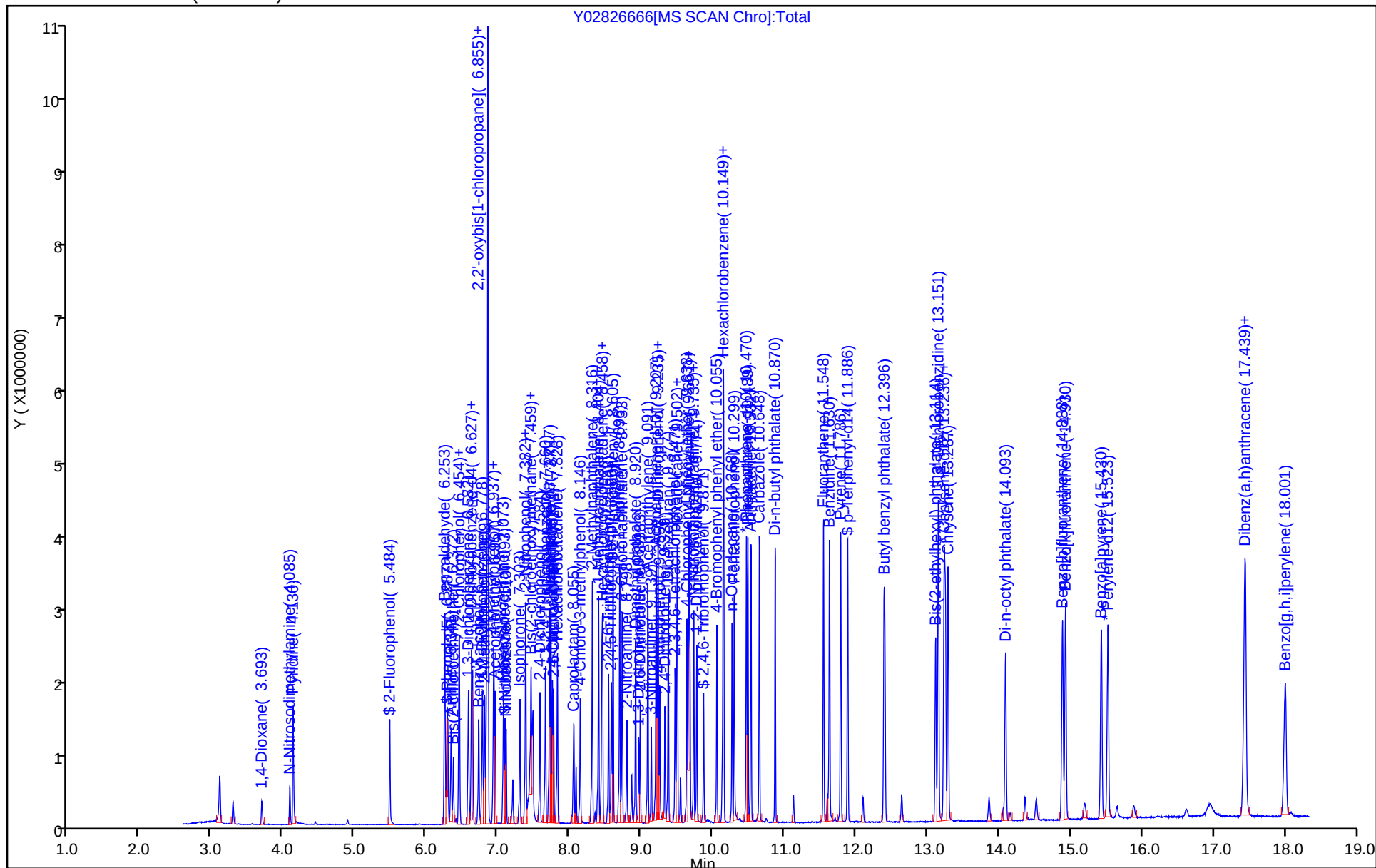
Dil. Factor: 1.0000

ALS Bottle#: 33

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\20211112-102376.b\Y02826666.D

Injection Date: 13-Nov-2021 00:58:30

Instrument ID: HP5973Y

Lims ID: CCVIS

Client ID:

Operator ID: JM

ALS Bottle#:

33

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

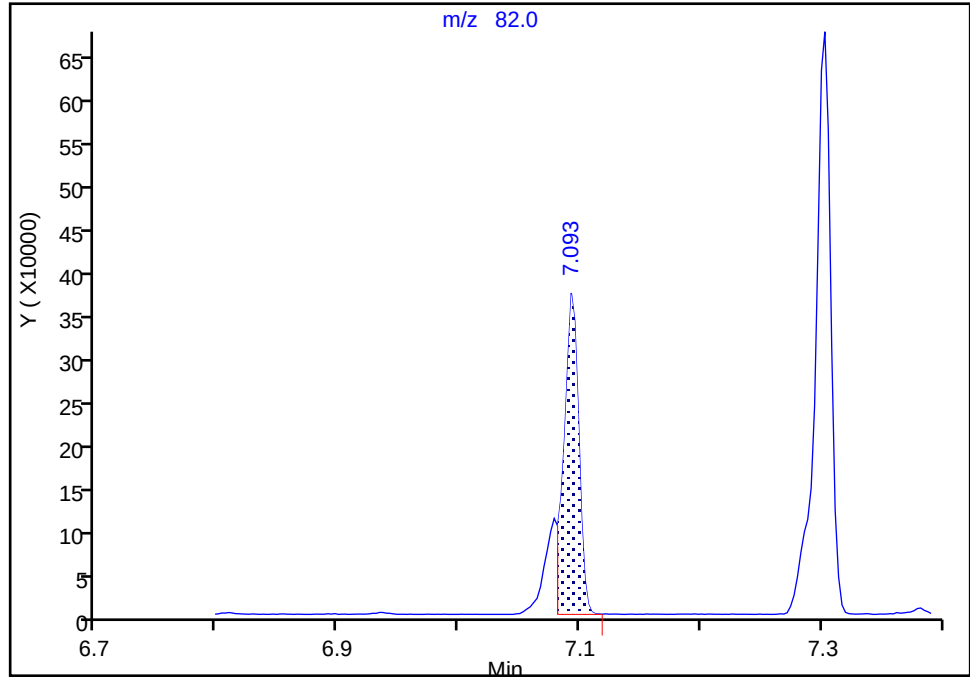
MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

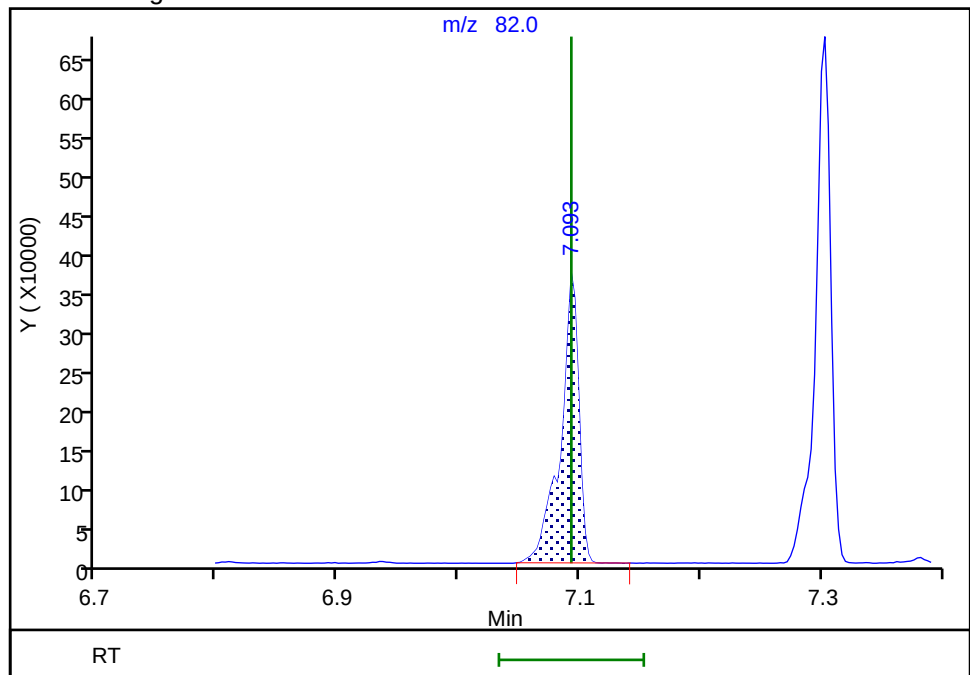
RT: 7.09
Area: 317264
Amount: 3.259462
Amount Units: ng/uL

Processing Integration Results



RT: 7.09
Area: 386949
Amount: 3.975382
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 15-Nov-2021 14:00:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826666.D

Injection Date: 13-Nov-2021 00:58:30

Instrument ID: HP5973Y

Lims ID: CCVIS

Client ID:

Operator ID: JM

ALS Bottle#:

33

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)

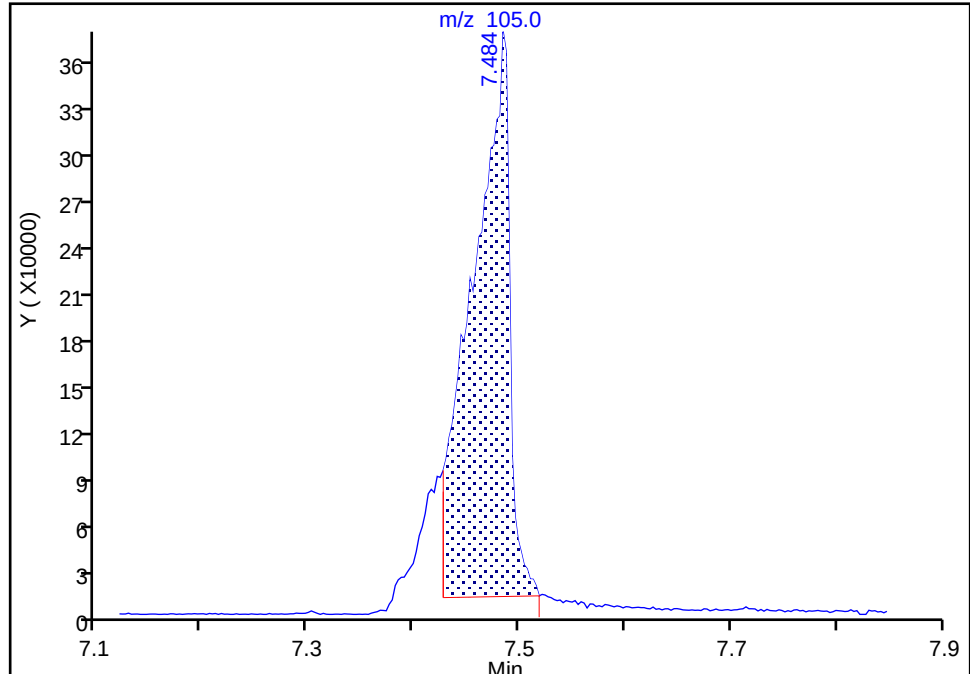
Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

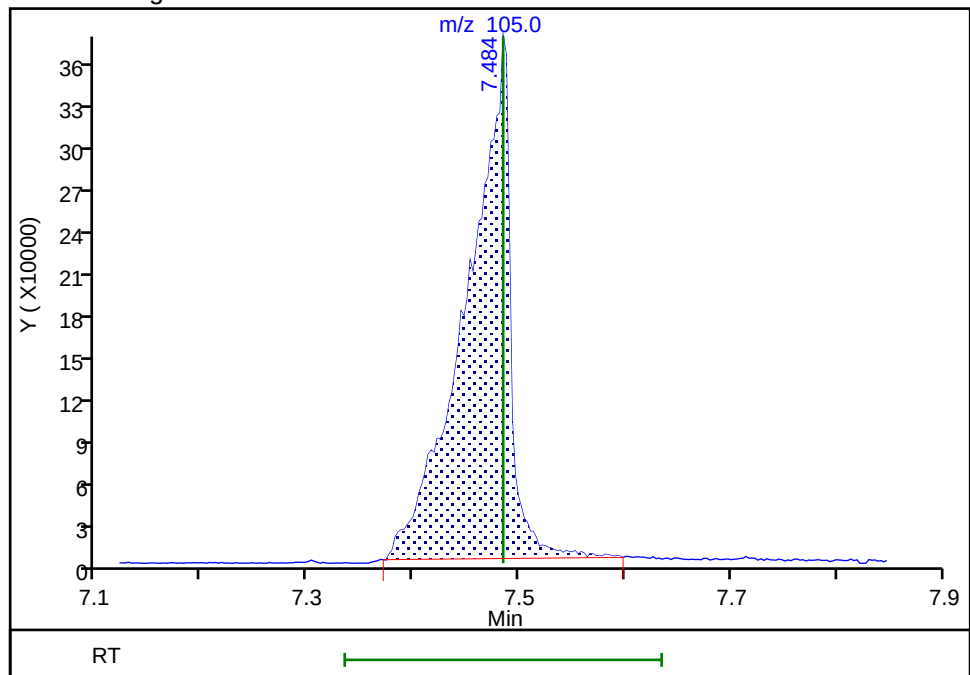
RT: 7.48
Area: 881995
Amount: 16.611998
Amount Units: ng/uL

Processing Integration Results



RT: 7.48
Area: 1075587
Amount: 19.682753
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 15-Nov-2021 14:01:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826666.D

Injection Date: 13-Nov-2021 00:58:30

Instrument ID: HP5973Y

Lims ID: CCVIS

Client ID:

Operator ID: JM

ALS Bottle#:

33

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

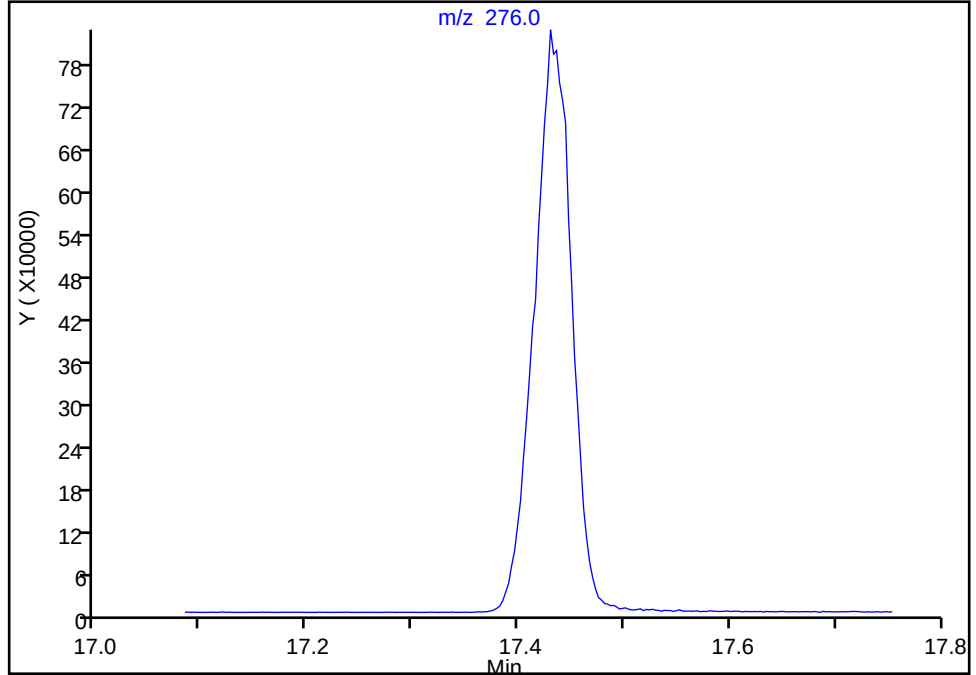
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

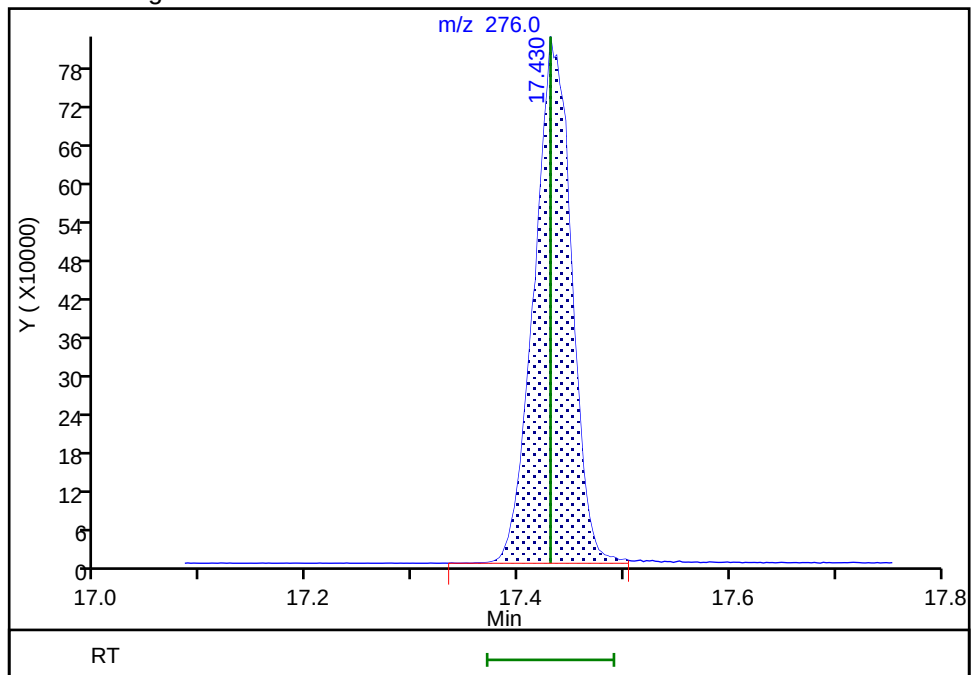
Not Detected

Expected RT: 17.43

Processing Integration Results



Manual Integration Results



Reviewer: marshallj, 15-Nov-2021 13:19:28

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826378.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 03-Nov-2021 10:17:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102124-002
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 04-Nov-2021 10:04:02 Calib Date: 03-Nov-2021 17:56:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826394.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1680

First Level Reviewer: marshallj

Date: 03-Nov-2021 10:39:22

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	10.345	10.345	0.000	94	780088	NR	NR	a
251 DFTPP									
252 Benzidine_T	184	11.690	11.690	0.000	99	3759370	NR	NR	a
253 4,4'-DDE	246	11.877	11.877	0.000	88	3072		NR	a
254 4,4'-DDD	235	12.252	12.252	0.000	96	12282		NR	a
255 4,4'-DDT	235	12.629	12.629	0.000	98	2699027	NR	NR	a

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

8 - Failed MS Tune Ratio Test

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_DFTPP_WRK_00401

Amount Added: 1.00

Units: mL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826378.D

Injection Date: 03-Nov-2021 10:17:30

Instrument ID: HP5973Y

Lims ID: DFTPP

Client ID:

Operator ID: JM

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 2.0 ul

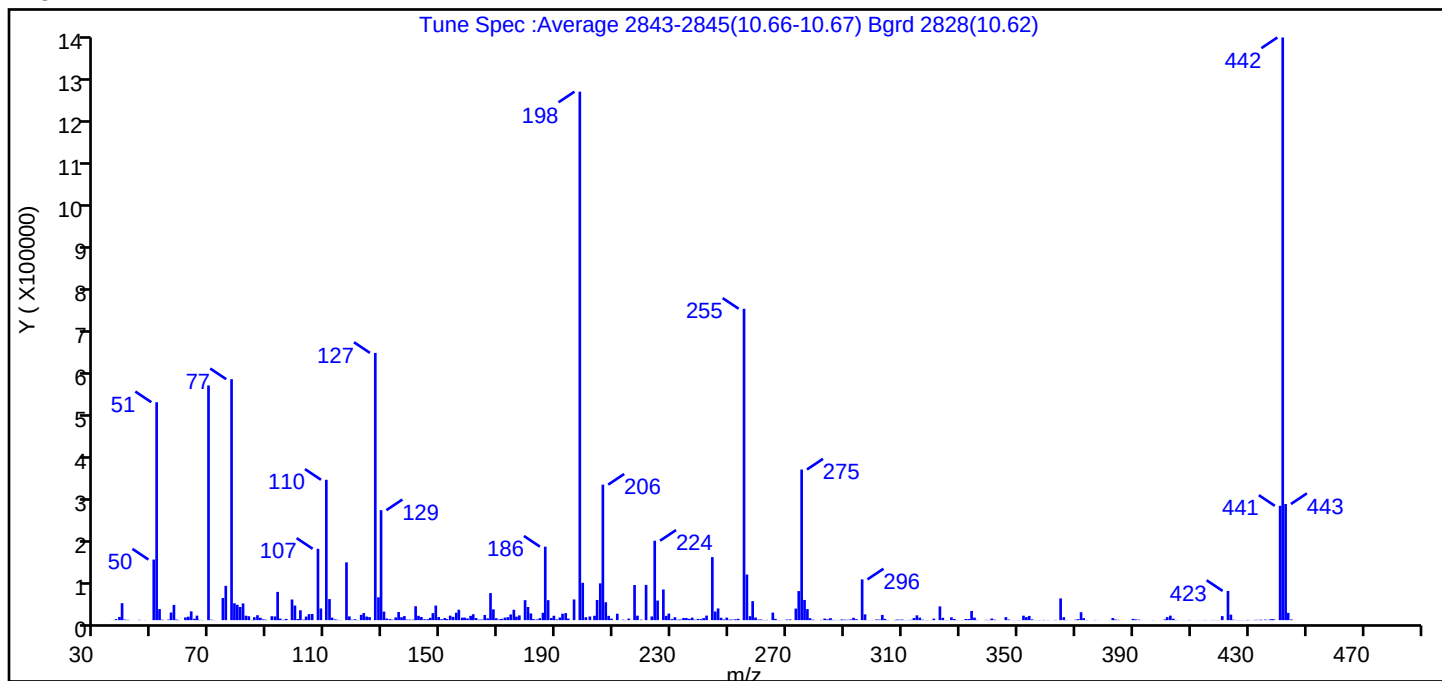
Dil. Factor: 1.0000

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 (90.7)
51	10-80% of the base peak	41.2
68	<2% of mass 69	0.0 (0.0)
69	Present	44.4
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	50.6
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	28.5
365	>1% of mass 198	4.1
441	present but <24% of mass 442	21.6 (19.6)
442	base peak, or >50% of 198	110.3
443	15-24% of mass 442	22.0 (19.9)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826378.D\Y-LVI-8270.rsl\spectra.d
Injection Date: 03-Nov-2021 10:17:30
Spectrum: Tune Spec :Average 2843-2845(10.66-10.67) Bgrd 2828(10.62)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	102	145.00	2227	250.00	1190	352.00	10254
36.00	121	146.00	5319	251.00	1365	353.00	6910
37.00	2328	147.00	16208	252.00	2023	354.00	9761
38.00	7379	148.00	33632	253.00	2978	355.00	1870
39.00	39160	149.00	7160	255.00	717952	356.00	199
40.00	1273	150.00	2136	256.00	105144	357.00	202
41.00	758	151.00	4834	257.00	9143	358.00	311
42.00	111	152.00	2492	258.00	43880	359.00	641
45.00	707	153.00	10352	259.00	6034	360.00	140
46.00	41	154.00	7588	260.00	1279	361.00	384
47.00	234	155.00	17200	261.00	1493	362.00	202
50.00	139712	156.00	24000	262.00	290	363.00	585
51.00	502528	157.00	5663	263.00	665	365.00	50072
52.00	25432	158.00	5854	264.00	186	366.00	6752
53.00	1055	159.00	3834	265.00	17392	367.00	292
55.00	1279	160.00	9899	266.00	2899	368.00	146
56.00	17576	161.00	13585	267.00	297	369.00	101
57.00	35128	162.00	4816	268.00	185	370.00	1000
58.00	1352	163.00	1152	270.00	1392	371.00	2340
59.00	359	164.00	1305	271.00	1694	372.00	18248
61.00	6317	165.00	11805	273.00	26648	373.00	4571
62.00	7931	166.00	4034	274.00	67080	374.00	475
63.00	20256	167.00	62376	275.00	347328	375.00	58
64.00	3092	168.00	24904	276.00	46560	377.00	69
65.00	10384	169.00	4366	277.00	25480	377.00	470
66.00	735	170.00	1764	278.00	4421	378.00	136
67.00	420	171.00	3035	279.00	1194	379.00	42
69.00	541184	172.00	5772	280.00	251	380.00	34
70.00	960	173.00	6828	282.00	675	382.00	63
71.00	293	174.00	13163	283.00	3459	382.00	91
74.00	51160	175.00	23912	284.00	1907	383.00	4967
75.00	79168	176.00	8032	285.00	4672	384.00	1551
77.00	555584	177.00	10946	286.00	659	385.00	614

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826378.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 03-Nov-2021 10:17:30

Spectrum: Tune Spec :Average 2843-2845(10.66-10.67) Bgrd 2828(10.62)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	38944	179.00	46096	287.00	335	388.00	50
79.00	35376	180.00	30312	288.00	436	389.00	43
80.00	30312	181.00	15430	289.00	1622	390.00	2903
81.00	38544	182.00	2390	290.00	1167	391.00	1903
82.00	10211	183.00	1640	291.00	834	392.00	1157
83.00	9049	184.00	4388	292.00	1561	393.00	197
84.00	368	185.00	16920	293.00	5408	395.00	92
85.00	6758	186.00	169472	294.00	2280	396.00	65
86.00	11349	187.00	46080	296.00	93960	397.00	295
87.00	5607	188.00	4783	297.00	13377	399.00	50
88.00	1795	189.00	10102	298.00	315	400.00	140
89.00	1047	190.00	1849	299.00	243	401.00	1676
91.00	9074	191.00	6065	300.00	99	402.00	6977
92.00	8482	192.00	14707	301.00	1594	403.00	10372
93.00	65152	193.00	16195	302.00	1234	404.00	3350
94.00	3530	194.00	3531	303.00	11976	405.00	510
95.00	856	196.00	47728	304.00	2875	406.00	153
96.00	2857	198.00	1218560	305.00	501	407.00	66
98.00	47592	199.00	86136	306.00	88	408.00	126
99.00	33696	200.00	6759	307.00	320	409.00	168
100.00	2661	202.00	8464	308.00	1369	410.00	516
101.00	22736	203.00	10035	309.00	1110	412.00	80
102.00	1149	204.00	46536	310.00	1336	413.00	159
103.00	8214	205.00	84792	311.00	279	414.00	189
104.00	13896	206.00	312448	312.00	418	415.00	430
105.00	14235	207.00	41256	313.00	824	416.00	128
107.00	164544	208.00	9927	314.00	4960	417.00	223
108.00	26896	209.00	3466	315.00	11085	418.00	454
110.00	323648	211.00	14807	316.00	5778	419.00	146
111.00	48576	213.00	1095	317.00	1032	420.00	360
112.00	5745	214.00	374	318.00	241	421.00	9309
113.00	1850	215.00	3605	319.00	285	423.00	67320
114.00	613	217.00	80928	320.00	250	424.00	12610
115.00	403	218.00	10323	321.00	3468	425.00	986

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826378.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 03-Nov-2021 10:17:30

Spectrum: Tune Spec :Average 2843-2845(10.66-10.67) Bgrd 2828(10.62)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	133312	219.00	1089	323.00	31688	426.00	396
118.00	8622	221.00	81272	324.00	5383	427.00	294
119.00	1017	223.00	8562	325.00	378	428.00	301
120.00	2017	224.00	183104	326.00	251	430.00	347
121.00	363	225.00	45160	327.00	6449	430.00	550
122.00	12230	227.00	70688	328.00	2648	431.00	207
123.00	16238	228.00	9872	329.00	405	432.00	520
124.00	8242	229.00	15082	330.00	190	433.00	708
125.00	6997	230.00	2440	331.00	251	434.00	838
127.00	616192	231.00	6727	332.00	2727	435.00	746
128.00	52712	232.00	1053	333.00	2591	436.00	1300
129.00	253568	233.00	1549	334.00	21160	438.00	1321
130.00	19768	234.00	4968	335.00	5777	438.00	2275
131.00	3765	235.00	4910	336.00	561	439.00	1806
132.00	2335	236.00	3035	338.00	58	441.00	263616
133.00	999	237.00	5656	339.00	670	442.00	1343488
134.00	6280	238.00	921	340.00	473	443.00	267776
135.00	18688	239.00	2864	341.00	3771	444.00	16720
136.00	6714	240.00	2339	342.00	1126	445.00	1642
137.00	9322	241.00	4679	343.00	88	446.00	45
138.00	1233	242.00	10486	344.00	53	462.00	34
139.00	1215	244.00	145280	346.00	6957	469.00	67
140.00	1142	245.00	19880	347.00	1408	474.00	67
141.00	32064	246.00	26944	348.00	58	488.00	34
142.00	9950	247.00	5461	349.00	197		
143.00	7227	248.00	1627	350.00	323		
144.00	1940	249.00	5749	351.00	413		

Report Date: 04-Nov-2021 10:04:02

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826378.D

Injection Date: 03-Nov-2021 10:17:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

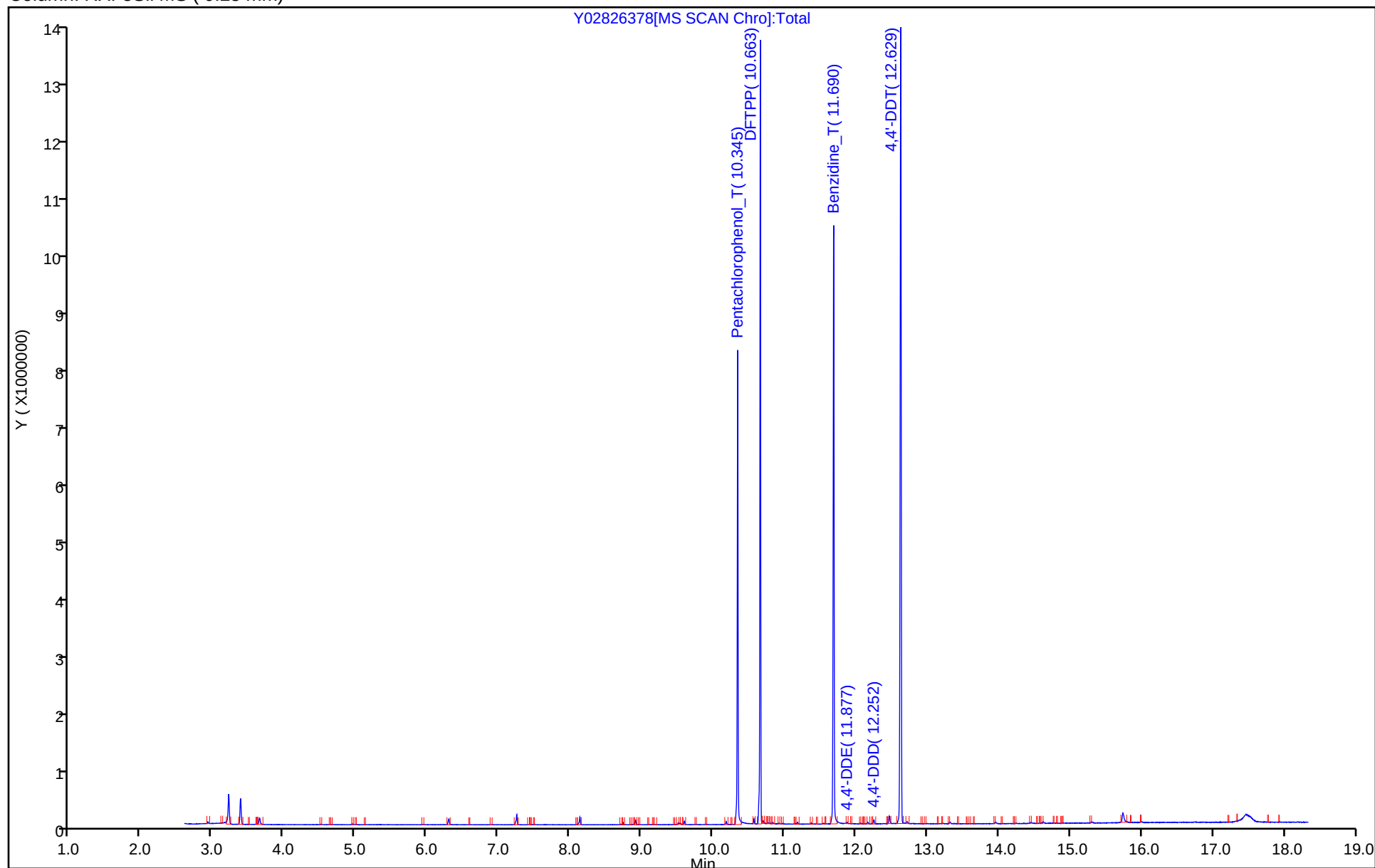
Dil. Factor: 1.0000

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\20211103-102124.b\Y02826378.D

Injection Date: 03-Nov-2021 10:17:30

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 =

$$\left(\frac{\text{Area Breakdown Cpnds}}{\text{Total Area Breakdown Cpnds}} \right) * 100$$

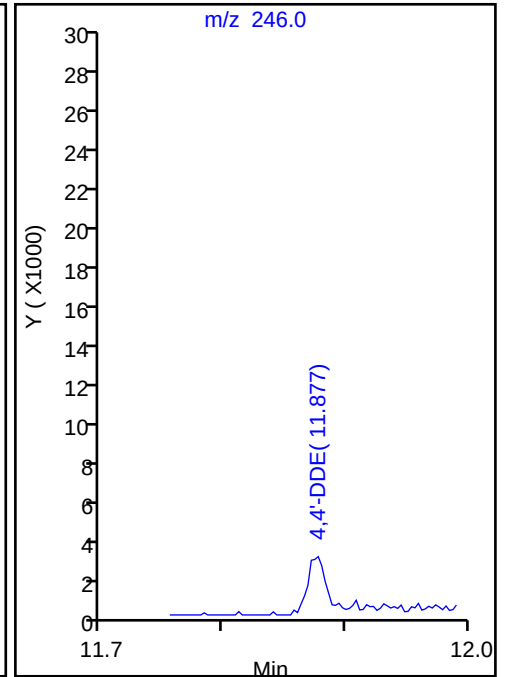
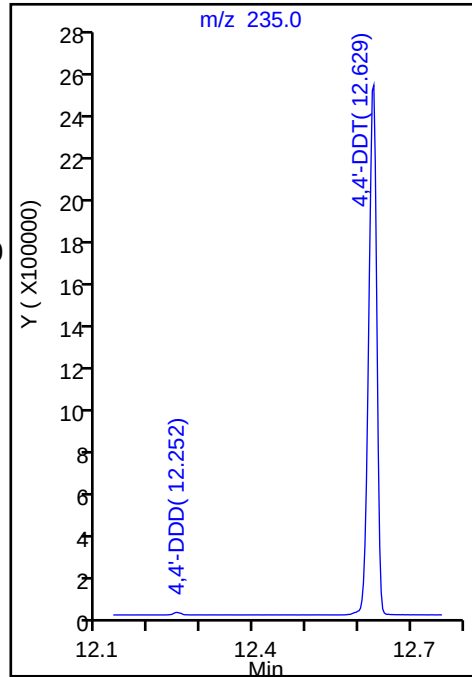
255 4,4'-DDT, Area = 2699027

254 4,4'-DDD, Area = 12282

253 4,4'-DDE, Area = 3072

%Breakdown: 0.57%, <= 20.00%

Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211103-102124.b\Y02826378.D

Injection Date: 03-Nov-2021 10:17:30

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 =

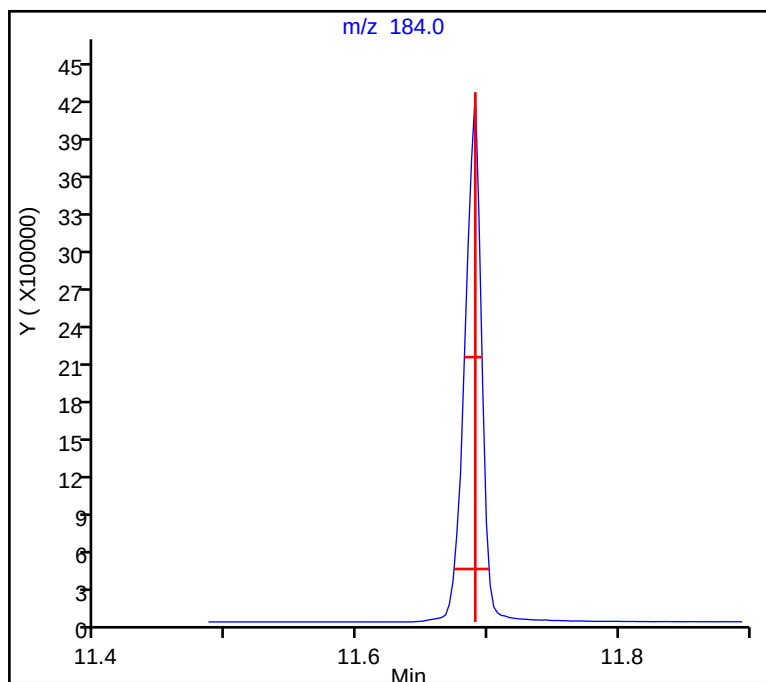
BackWidth/FrontWidth @ 10% Peak Height

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\20211103-102124.b\Y02826378.D

Injection Date: 03-Nov-2021 10:17:30

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 =

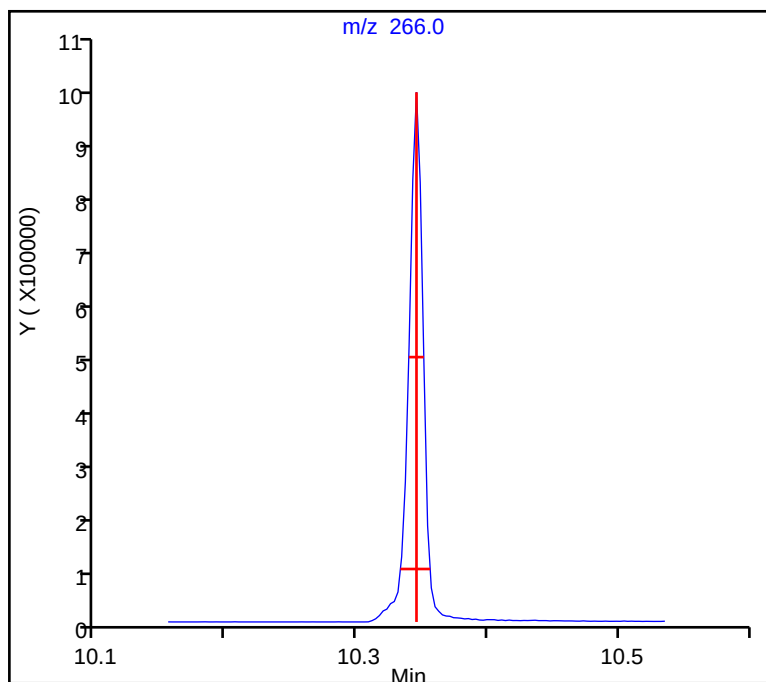
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)

Front Width = 0.012 (min.)

Tailing Factor = 0.83, Max. Tailing <= 2.00

Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826592.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 11-Nov-2021 15:21:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: DFTPP
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 12-Nov-2021 14:20:01 Calib Date: 08-Nov-2021 14:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211108-102235.b\Y02826458.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1608

First Level Reviewer: marshallj

Date: 11-Nov-2021 15:43:41

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	10.300	10.300	0.000	94	869955	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.634	11.634	0.000	98	3903334	NR	NR	
253 4,4'-DDE	246	11.818	11.818	0.000	93	7919		NR	
254 4,4'-DDD	235	12.187	12.187	0.000	96	66031		NR	
255 4,4'-DDT	235	12.562	12.562	0.000	99	3023012	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\20211111-102335.b\Y02826592.D

Injection Date: 11-Nov-2021 15:21:30

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

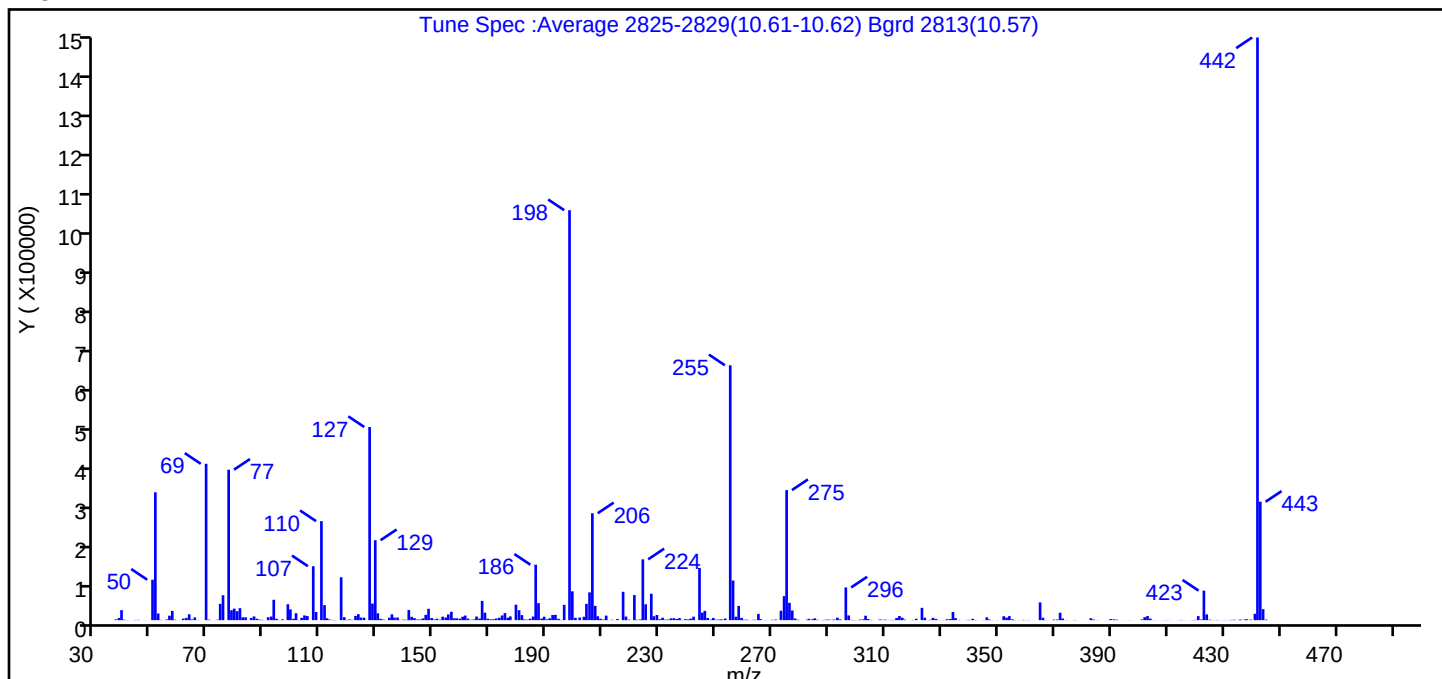
Method: Y-LVI-8270

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 (70.4)
51	10-80% of the base peak	31.2
68	<2% of mass 69	0.0 (0.0)
69	Present	38.1
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	47.1
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.0
275	10-60% of the base peak	31.7
365	>1% of mass 198	4.3
441	present but <24% of mass 442	1.5 (1.1)
442	base peak, or >50% of 198	142.1
443	15-24% of mass 442	28.9 (20.3)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826592.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 11-Nov-2021 15:21:30
Spectrum: Tune Spec :Average 2825-2829(10.61-10.62) Bgrd 2813(10.57)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1964	146.00	4407	251.00	1527	358.00	165
38.00	5589	147.00	13493	252.00	2073	359.00	656
39.00	25448	148.00	28912	253.00	4194	360.00	245
40.00	1172	149.00	5378	255.00	647488	361.00	509
41.00	410	150.00	1566	256.00	100656	363.00	69
42.00	161	151.00	3453	257.00	8679	363.00	204
43.00	47	152.00	1020	258.00	36168	365.00	45144
44.00	633	153.00	8810	259.00	5727	366.00	6147
45.00	621	154.00	6691	260.00	1103	367.00	461
47.00	49	155.00	14538	261.00	1224	368.00	108
47.00	212	156.00	21256	262.00	228	369.00	58
48.00	152	157.00	4747	263.00	759	370.00	1489
50.00	102728	158.00	4547	264.00	894	371.00	1546
51.00	324864	159.00	3794	265.00	15856	372.00	18816
52.00	16832	160.00	8755	266.00	2456	373.00	4163
53.00	744	161.00	11730	268.00	432	374.00	465
54.00	187	162.00	3966	269.00	201	375.00	67
55.00	1772	163.00	891	270.00	953	376.00	30
56.00	11310	164.00	1639	271.00	1525	377.00	515
57.00	23448	165.00	9219	273.00	23896	378.00	258
58.00	1236	166.00	4148	274.00	60984	379.00	39
59.00	169	167.00	48928	275.00	330432	381.00	26
61.00	3991	168.00	18944	276.00	44056	382.00	140
62.00	5650	169.00	3648	277.00	24504	383.00	4880
63.00	14794	170.00	2019	278.00	4199	384.00	1634
64.00	1923	171.00	2354	279.00	999	385.00	294
65.00	6947	172.00	4306	280.00	145	386.00	100
66.00	336	173.00	6003	282.00	774	389.00	40
69.00	397184	174.00	11907	283.00	3429	390.00	2797
70.00	1298	175.00	17832	284.00	2339	391.00	1966
71.00	143	176.00	6184	285.00	4602	392.00	1410
72.00	145	177.00	9522	286.00	937	393.00	105
73.00	1136	179.00	39328	287.00	153	394.00	60

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826592.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 11-Nov-2021 15:21:30

Spectrum: Tune Spec :Average 2825-2829(10.61-10.62) Bgrd 2813(10.57)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	41400	180.00	25184	288.00	546	395.00	160
75.00	63304	181.00	12817	289.00	1167	396.00	121
77.00	382208	182.00	1841	290.00	1310	397.00	277
78.00	25184	183.00	1165	291.00	776	398.00	51
79.00	29280	184.00	3665	292.00	1470	401.00	1720
80.00	22664	185.00	9136	293.00	6265	402.00	7467
81.00	30384	186.00	140864	294.00	2015	403.00	10397
82.00	7290	187.00	43176	296.00	83080	404.00	3915
83.00	7173	188.00	3880	297.00	11932	405.00	304
85.00	5618	189.00	8655	298.00	787	406.00	161
86.00	9481	190.00	2170	299.00	429	407.00	81
87.00	3631	191.00	4815	300.00	187	408.00	165
88.00	1334	192.00	13041	301.00	1429	409.00	130
89.00	678	193.00	13412	302.00	1901	410.00	397
90.00	89	194.00	3322	303.00	11197	411.00	170
91.00	7371	195.00	671	304.00	2925	412.00	23
92.00	9082	196.00	38864	305.00	662	414.00	126
93.00	51752	198.00	1041472	306.00	104	414.00	167
94.00	3581	199.00	73232	308.00	1426	415.00	613
95.00	385	200.00	6038	309.00	1084	416.00	237
96.00	2213	202.00	6592	310.00	1343	417.00	248
98.00	40408	203.00	8517	311.00	318	419.00	227
99.00	27256	204.00	41424	312.00	547	419.00	274
100.00	3436	205.00	70584	313.00	774	420.00	709
101.00	17504	206.00	271552	314.00	5541	421.00	10300
102.00	507	207.00	36264	315.00	10488	422.00	1592
103.00	5836	208.00	9917	316.00	6222	423.00	75000
104.00	11898	209.00	3461	317.00	1358	424.00	14664
105.00	10363	210.00	1442	318.00	16	425.00	1314
107.00	137024	211.00	11466	319.00	203	426.00	299
108.00	20792	212.00	222	320.00	651	427.00	295
110.00	251456	213.00	862	321.00	3440	428.00	450
111.00	38224	214.00	255	323.00	31304	429.00	289
112.00	4678	215.00	2859	324.00	6180	430.00	150

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826592.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 11-Nov-2021 15:21:30

Spectrum: Tune Spec :Average 2825-2829(10.61-10.62) Bgrd 2813(10.57)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	1395	217.00	72064	325.00	394	431.00	294
114.00	547	218.00	9111	326.00	958	432.00	476
115.00	324	219.00	1327	327.00	5883	433.00	878
117.00	108968	221.00	63568	328.00	3205	434.00	938
118.00	7473	222.00	1066	329.00	645	436.00	993
119.00	777	223.00	1803	330.00	214	436.00	1285
120.00	1789	224.00	154496	331.00	209	438.00	1606
121.00	708	225.00	40200	332.00	2478	438.00	2281
122.00	10646	227.00	67056	333.00	2969	440.00	1329
123.00	15213	228.00	9973	334.00	20776	441.00	16080
124.00	6647	229.00	13082	335.00	5150	442.00	1480192
125.00	6226	230.00	2335	336.00	676	443.00	300800
127.00	490624	231.00	6111	338.00	110	444.00	27920
128.00	42120	232.00	1202	339.00	567	445.00	1437
129.00	203136	233.00	1658	340.00	699	446.00	144
130.00	17432	234.00	4576	341.00	3353	451.00	32
131.00	3278	235.00	4930	342.00	637	452.00	47
132.00	1442	236.00	2974	343.00	107	455.00	21
133.00	251	237.00	5180	344.00	115	456.00	21
134.00	6193	238.00	743	345.00	191	458.00	70
135.00	14769	239.00	2566	346.00	7167	460.00	21
136.00	6454	240.00	1900	347.00	1743	461.00	55
137.00	6656	241.00	3816	348.00	201	466.00	49
138.00	756	242.00	8764	350.00	210	477.00	21
139.00	1167	244.00	132544	350.00	184	478.00	30
140.00	950	245.00	18992	352.00	9910	480.00	20
141.00	25912	246.00	23544	353.00	6554	486.00	22
142.00	8481	247.00	5455	354.00	10160	489.00	20
143.00	5191	248.00	1353	355.00	2166	498.00	23
144.00	1722	249.00	5604	356.00	336		
145.00	1492	250.00	1095	357.00	220		

Report Date: 12-Nov-2021 14:20:01

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826592.D

Injection Date: 11-Nov-2021 15:21:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

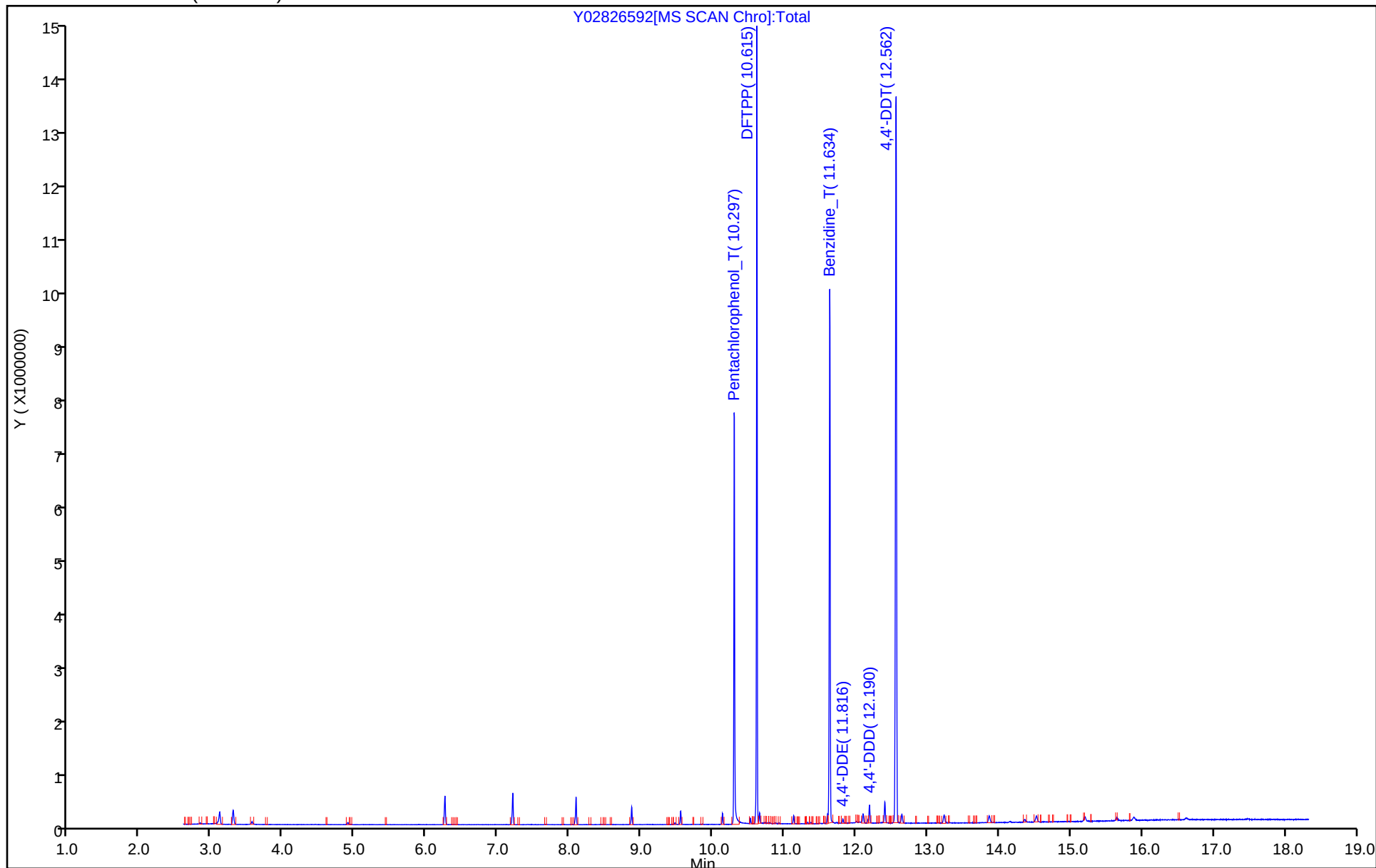
Dil. Factor: 1.0000

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\20211111-102335.b\Y02826592.D
Injection Date: 11-Nov-2021 15:21:30 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

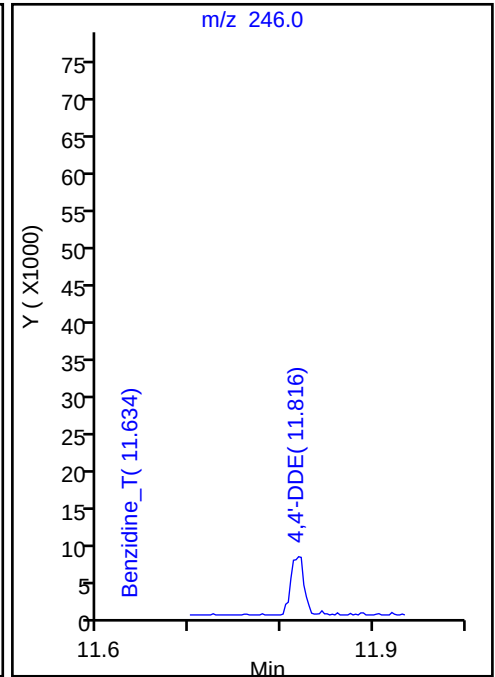
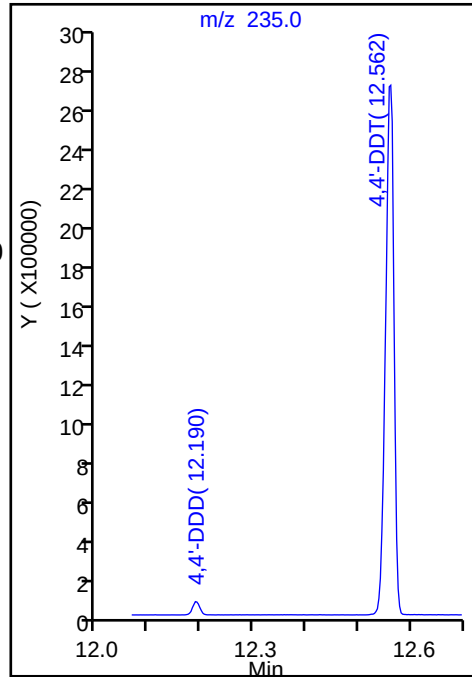
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 3023012

254 4,4'-DDD, Area = 66031

253 4,4'-DDE, Area = 7919

%Breakdown: 2.39%, <= 20.00%
Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826592.D

Injection Date: 11-Nov-2021 15:21:30

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 =

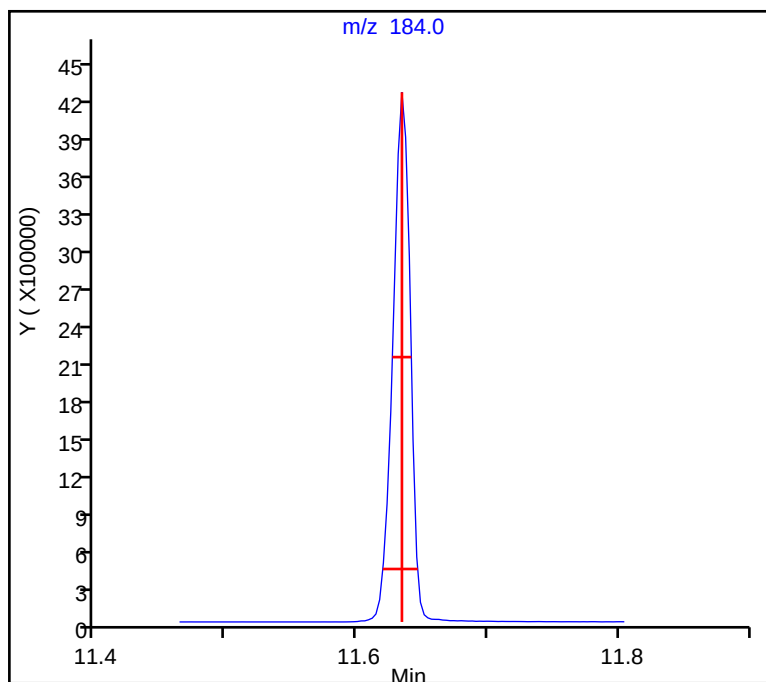
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 0.80, Max. Tailing <= 2.00

Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826592.D

Injection Date: 11-Nov-2021 15:21:30

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 =

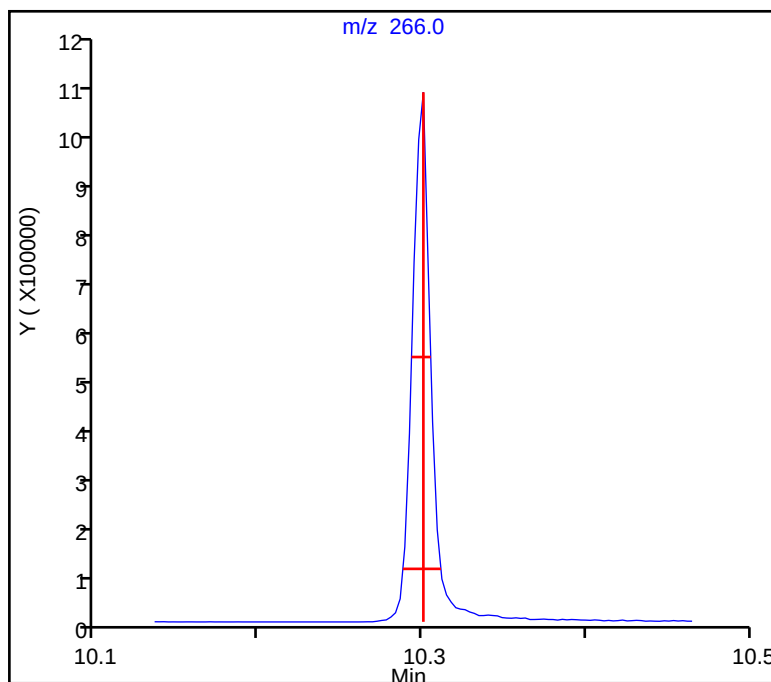
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)

Front Width = 0.013 (min.)

Tailing Factor = 0.85, Max. Tailing <= 2.00

Passed



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

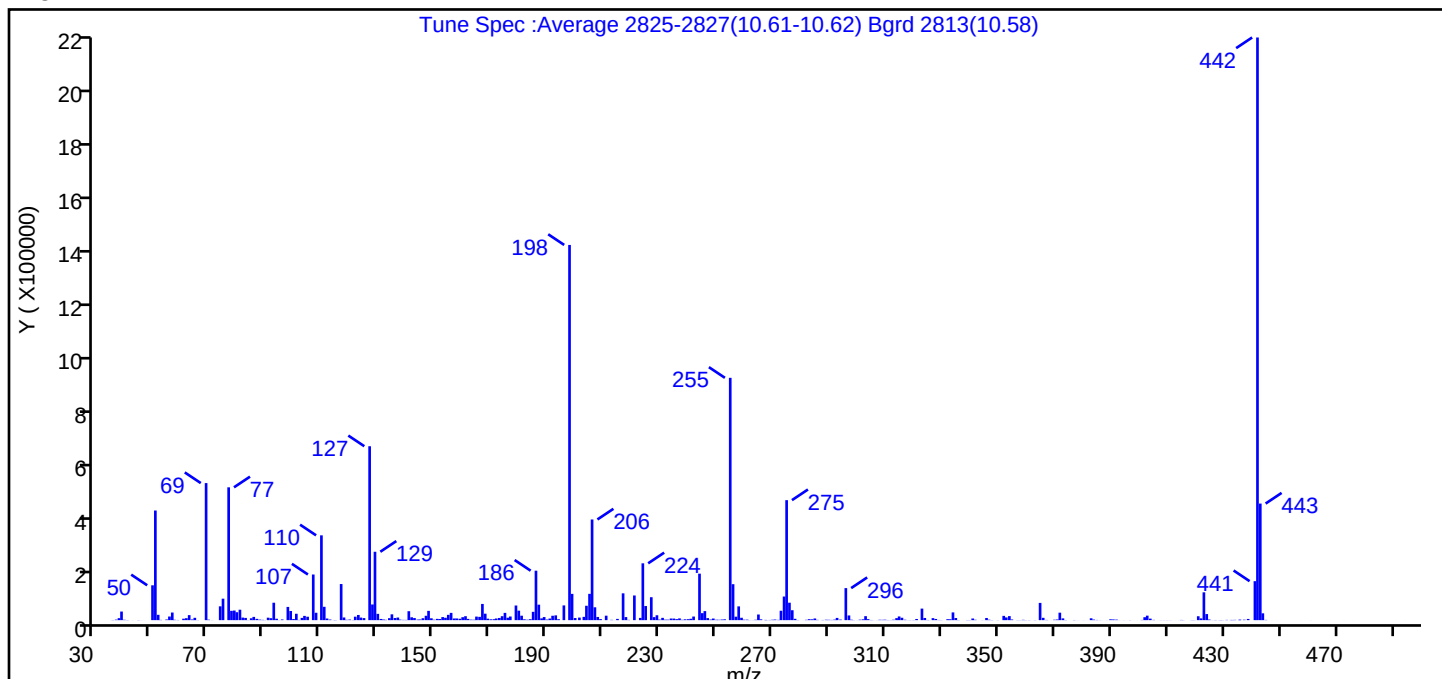
Method: Y-LVI-8270

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

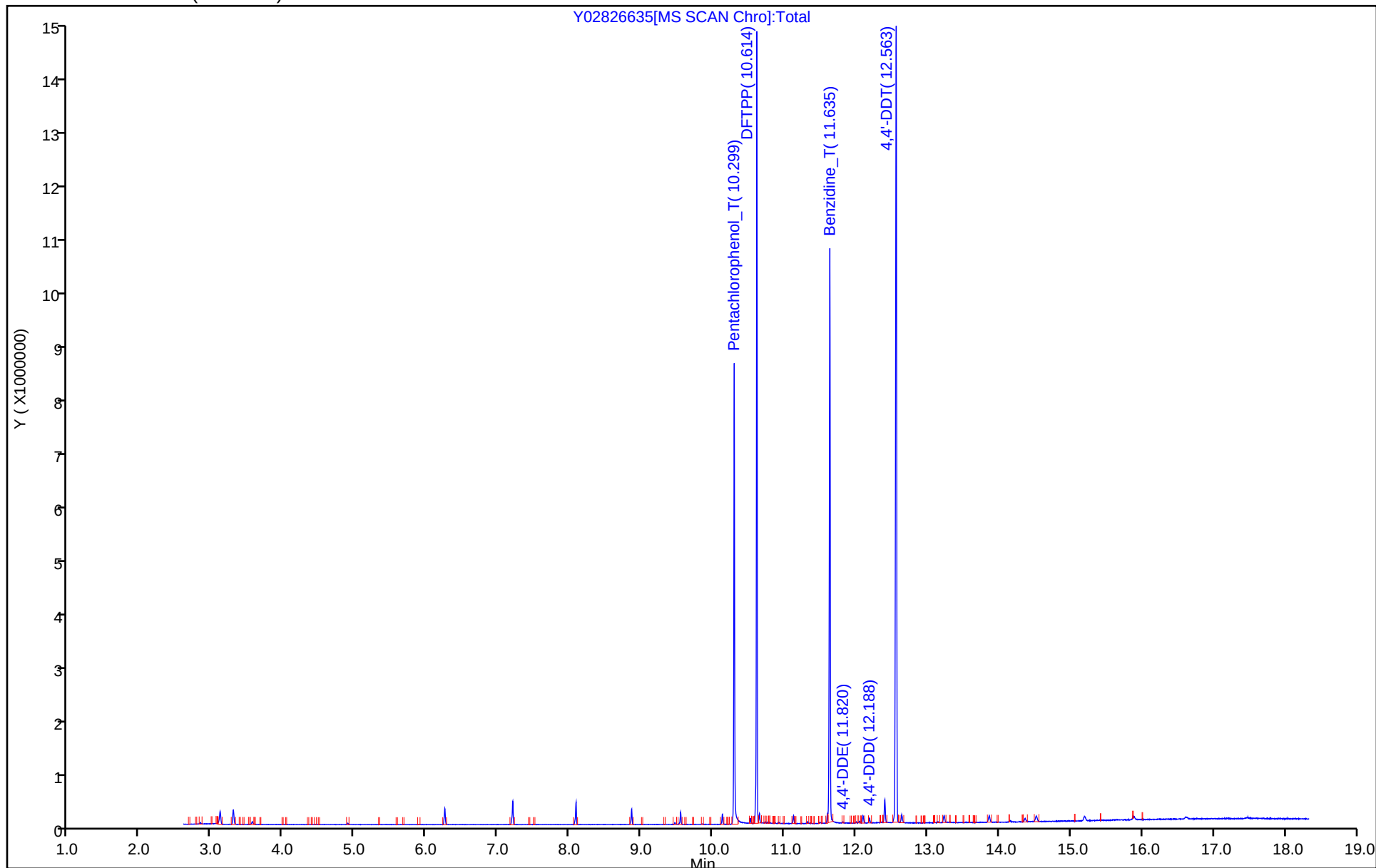
Dil. Factor: 1.0000

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 =

$$\left(\frac{\text{Area Breakdown Cpnds}}{\text{Total Area Breakdown Cpnds}} \right) * 100$$

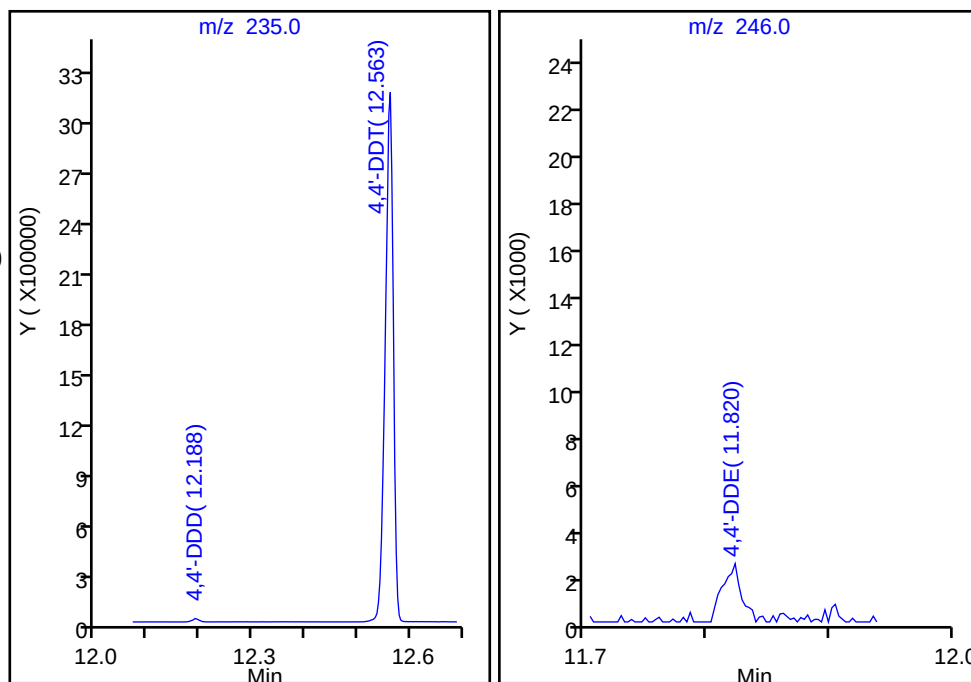
255 4,4'-DDT, Area = 3397321

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 =

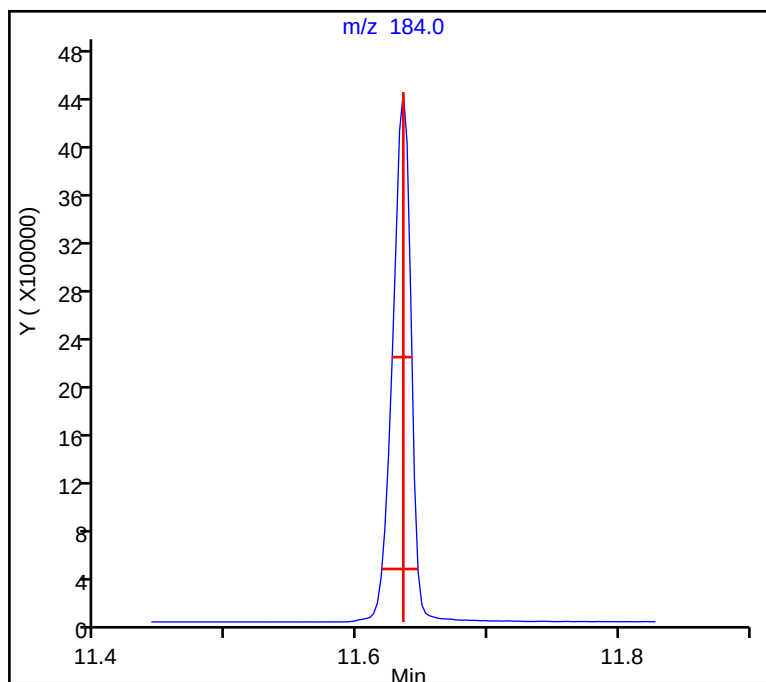
BackWidth/FrontWidth @ 10% Peak Height

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 =

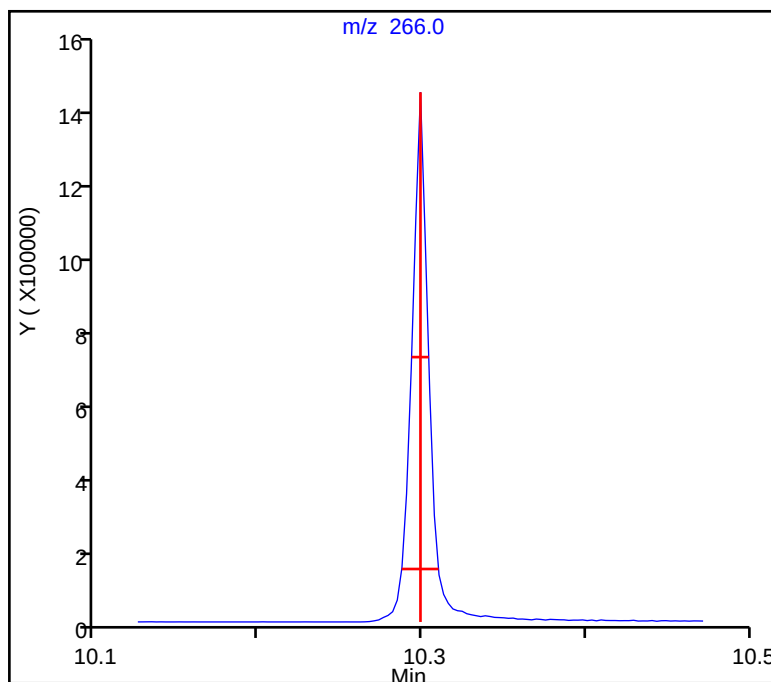
BackWidth/FrontWidth @ 10% Peak Height

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\20211112-102376.b\Y02826665.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 13-Nov-2021 00:31:30 ALS Bottle#: 32 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102376-002
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 14:53:10 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: 15-Nov-2021 09:06:38

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	10.300	10.300	0.000	95	1037199	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.636	11.636	0.000	98	4099242	NR	NR	
253 4,4'-DDE	246	11.818	11.818	0.000	93	5214		NR	
254 4,4'-DDD	235	12.190	12.190	0.000	97	52141		NR	
255 4,4'-DDT	235	12.561	12.561	0.000	98	3355293	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\20211112-102376.b\Y02826665.D

Injection Date: 13-Nov-2021 00:31:30

Instrument ID: HP5973Y

Lims ID: DFTPP

Client ID:

Operator ID: JM

ALS Bottle#: 32 Worklist Smp#: 2

Injection Vol: 2.0 ul

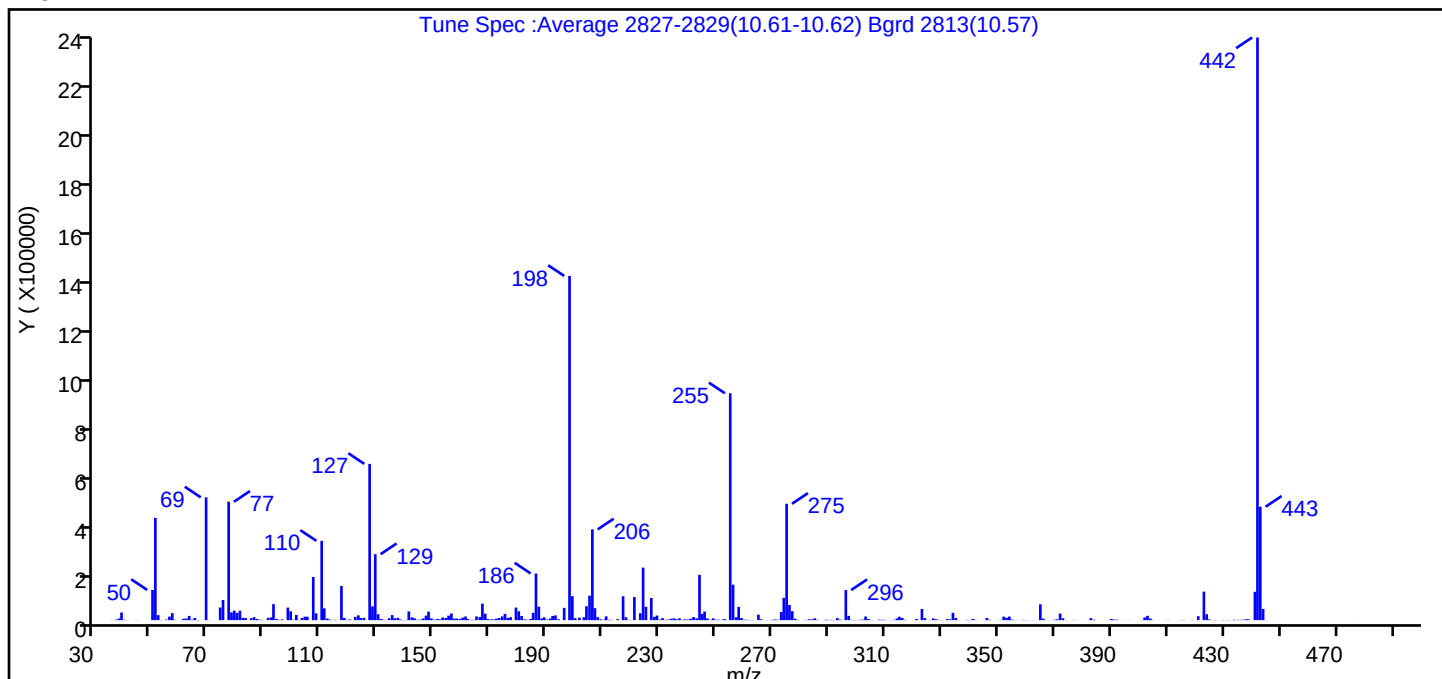
Dil. Factor: 1.0000

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 (59.1)
51	10-80% of the base peak	29.7
68	<2% of mass 69	0.0 (0.0)
69	Present	35.7
70	<2% of mass 69	0.0 (0.1)
127	10-80% of the base peak	45.4
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	33.8
365	>1% of mass 198	4.6
441	present but <24% of mass 442	8.2 (4.9)
442	base peak, or >50% of 198	169.3
443	15-24% of mass 442	32.9 (19.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826665.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 13-Nov-2021 00:31:30
Spectrum: Tune Spec :Average 2827-2829(10.61-10.62) Bgrd 2813(10.57)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 388

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	135	149.00	6851	256.00	142272	357.00	185
36.00	445	150.00	2253	257.00	11611	358.00	347
37.00	2269	151.00	4971	258.00	53128	359.00	1197
38.00	6501	152.00	3011	259.00	8148	360.00	398
39.00	30688	153.00	10337	260.00	1625	361.00	506
40.00	1437	154.00	8944	261.00	1493	362.00	246
41.00	579	155.00	18096	262.00	552	363.00	295
42.00	83	156.00	26800	263.00	646	365.00	63208
44.00	476	157.00	6258	265.00	21984	366.00	6184
45.00	414	158.00	6382	266.00	3314	367.00	537
50.00	121040	159.00	4988	268.00	639	368.00	137
51.00	409984	160.00	10093	269.00	630	369.00	137
52.00	20104	161.00	14577	270.00	1431	370.00	1860
53.00	561	162.00	4806	271.00	2597	371.00	3420
55.00	2400	163.00	1267	272.00	1608	372.00	26440
56.00	14136	164.00	1330	273.00	32664	373.00	7394
57.00	28088	165.00	14842	274.00	89560	374.00	563
58.00	1408	166.00	12188	275.00	466432	376.00	91
59.00	140	167.00	65952	276.00	60584	376.00	43
60.00	245	168.00	25856	277.00	35864	377.00	918
61.00	5679	169.00	4264	278.00	5817	378.00	193
62.00	6601	170.00	3064	279.00	1177	379.00	118
63.00	17000	171.00	2972	280.00	159	380.00	47
64.00	2149	172.00	5951	281.00	243	382.00	114
65.00	8786	173.00	8473	282.00	1120	383.00	7906
66.00	869	174.00	14859	283.00	3597	384.00	1991
67.00	230	175.00	25296	284.00	2871	385.00	499
69.00	492160	176.00	9544	285.00	7282	387.00	143
70.00	632	177.00	11709	286.00	1440	388.00	68
71.00	149	179.00	50376	287.00	166	389.00	168
74.00	50584	180.00	35608	288.00	397	390.00	4987
75.00	80656	181.00	16480	289.00	1824	391.00	2660
77.00	474752	182.00	3046	290.00	1122	392.00	2297

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826665.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 13-Nov-2021 00:31:30

Spectrum: Tune Spec :Average 2827-2829(10.61-10.62) Bgrd 2813(10.57)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 388

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	31072	183.00	1485	291.00	1213	393.00	160
79.00	37944	184.00	4969	292.00	702	394.00	139
80.00	29080	185.00	29384	293.00	8099	395.00	360
81.00	38016	186.00	187136	294.00	2152	396.00	202
82.00	9219	187.00	54088	296.00	120664	397.00	261
83.00	8835	188.00	6814	297.00	17192	398.00	109
85.00	7578	189.00	11447	298.00	1466	399.00	46
86.00	11931	190.00	2434	299.00	376	400.00	34
87.00	4810	191.00	6659	300.00	592	401.00	882
88.00	1688	192.00	16688	301.00	1640	402.00	10859
89.00	1098	193.00	19048	302.00	1964	403.00	17368
90.00	24	194.00	3683	303.00	14572	404.00	6220
91.00	9566	196.00	49288	304.00	4349	405.00	814
92.00	11280	198.00	1379840	305.00	680	406.00	78
93.00	64192	199.00	95880	306.00	180	407.00	150
94.00	4751	200.00	7932	307.00	316	408.00	100
95.00	1418	202.00	9938	308.00	2176	409.00	58
96.00	3003	203.00	11725	309.00	1301	410.00	667
98.00	50432	204.00	55688	310.00	1382	411.00	175
99.00	35344	205.00	98016	311.00	264	412.00	42
100.00	1484	206.00	363840	312.00	350	413.00	178
101.00	20656	207.00	48016	313.00	1208	414.00	94
102.00	858	208.00	12304	314.00	6835	415.00	951
103.00	8633	209.00	3454	315.00	13806	416.00	583
104.00	13921	211.00	2770	316.00	8825	418.00	37
105.00	13669	211.00	15239	317.00	1410	419.00	503
107.00	173056	212.00	1167	318.00	234	420.00	293
108.00	27320	213.00	1254	319.00	230	421.00	15685
110.00	317824	215.00	4259	320.00	432	423.00	114368
111.00	47328	217.00	95504	321.00	4836	424.00	23752
112.00	6412	218.00	11693	323.00	44608	425.00	2934
113.00	2361	219.00	1252	324.00	8047	426.00	330
114.00	453	221.00	92792	325.00	434	427.00	725
115.00	1181	223.00	27712	326.00	721	428.00	386

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826665.D\Y-LVI-8270.rslt\spectra.d

Injection Date: 13-Nov-2021 00:31:30

Spectrum: Tune Spec :Average 2827-2829(10.61-10.62) Bgrd 2813(10.57)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 388

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	137280	224.00	210624	327.00	7303	430.00	301
118.00	8925	225.00	53552	328.00	3684	430.00	739
119.00	1392	227.00	88912	329.00	737	431.00	266
120.00	2565	228.00	13123	330.00	383	432.00	888
122.00	13170	229.00	18408	331.00	175	433.00	513
123.00	19288	230.00	2284	332.00	4053	434.00	1698
124.00	8678	231.00	8080	333.00	3160	435.00	1379
125.00	9088	232.00	1355	334.00	29480	436.00	1413
127.00	626432	233.00	2141	335.00	8964	437.00	2349
128.00	55016	234.00	5587	336.00	203	438.00	3741
129.00	264512	235.00	7362	337.00	164	439.00	2033
130.00	23624	236.00	3924	338.00	119	441.00	113680
131.00	4670	237.00	7236	339.00	1034	442.00	2335744
132.00	2141	238.00	1032	340.00	432	443.00	454656
133.00	557	239.00	3235	341.00	4992	444.00	44904
134.00	7703	240.00	2722	342.00	1457	445.00	760
135.00	20320	241.00	5487	343.00	49	449.00	45
136.00	7631	242.00	12509	344.00	38	454.00	89
137.00	9472	243.00	6944	345.00	164	461.00	119
138.00	2578	244.00	181696	346.00	8514	462.00	46
139.00	541	245.00	25080	347.00	1773	465.00	37
140.00	985	246.00	34576	348.00	128	470.00	39
141.00	35144	247.00	6664	349.00	56	476.00	132
142.00	11179	248.00	1675	350.00	469	477.00	72
143.00	7501	249.00	7076	351.00	766	478.00	49
144.00	1573	250.00	1544	352.00	13899	483.00	36
145.00	2103	251.00	1755	353.00	9602	490.00	44
146.00	6734	252.00	1605	354.00	14354	492.00	131
147.00	18088	253.00	4423	355.00	2576	494.00	41
148.00	34144	255.00	909440	356.00	272	499.00	87

Report Date: 15-Nov-2021 14:53:11

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826665.D

Injection Date: 13-Nov-2021 00:31:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

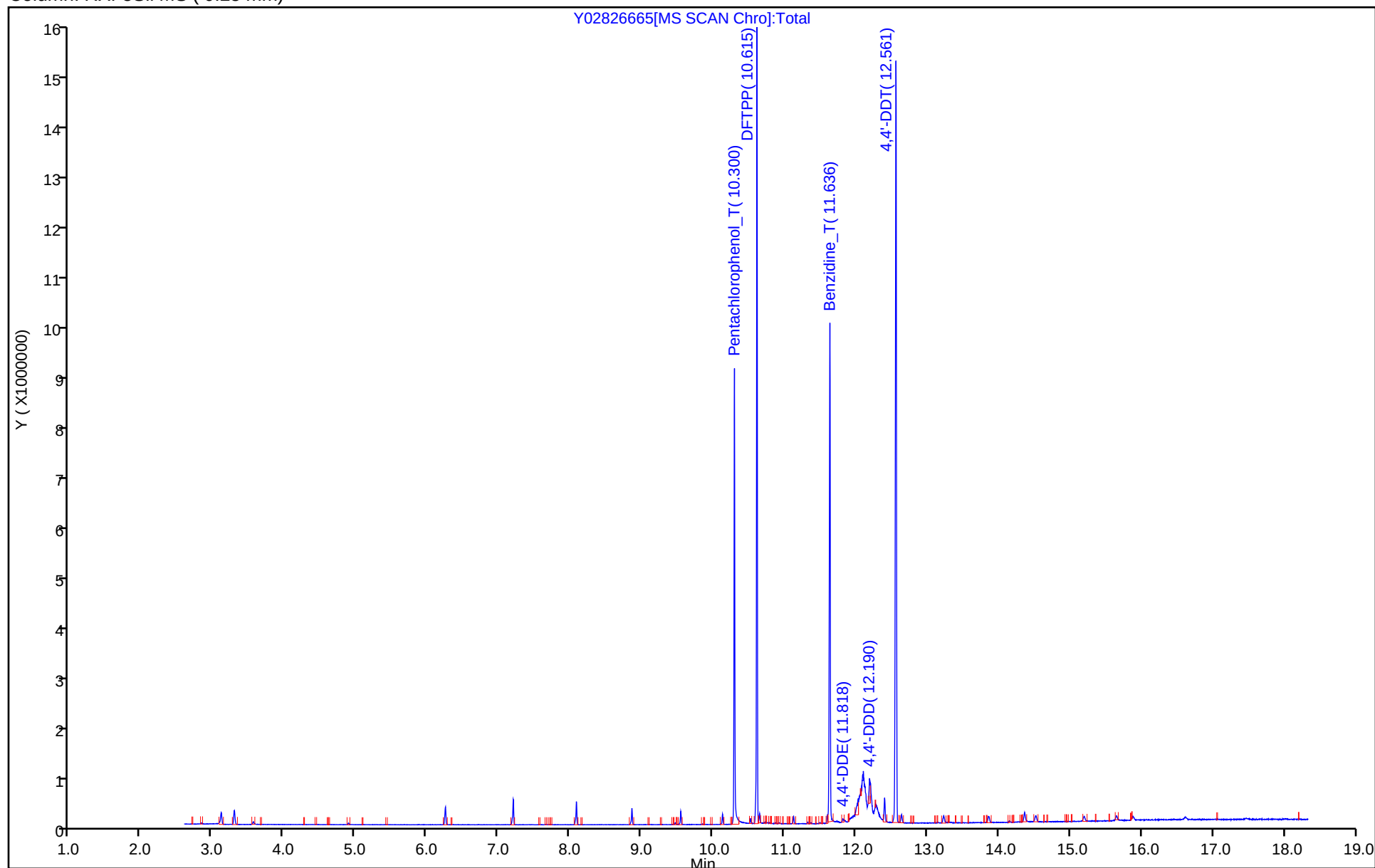
Dil. Factor: 1.0000

ALS Bottle#: 32

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\20211112-102376.b\Y02826665.D
Injection Date: 13-Nov-2021 00:31:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 32 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

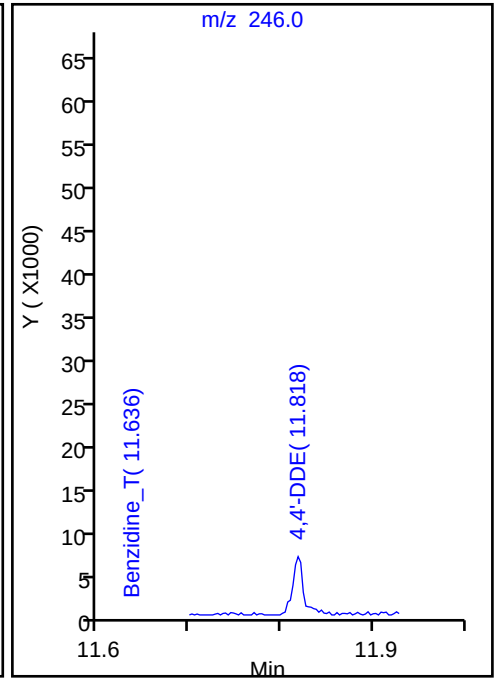
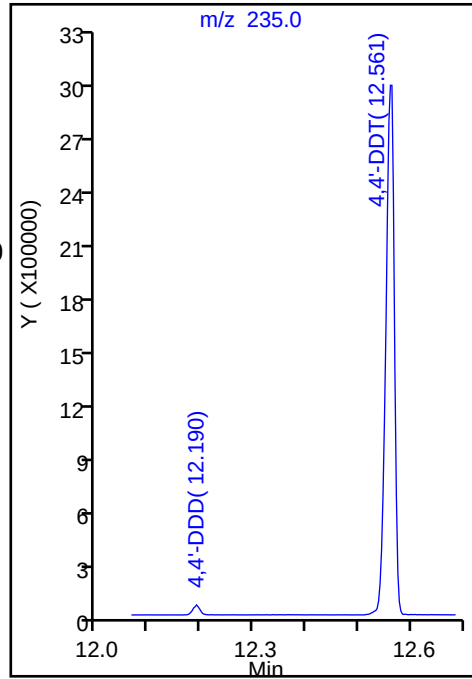
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 3355293

254 4,4'-DDD, Area = 52141

253 4,4'-DDE, Area = 5214

%Breakdown: 1.68%, <= 20.00%
Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826665.D

Injection Date: 13-Nov-2021 00:31:30

Instrument ID: HP5973Y

Lims ID: DFTPP

Client ID:

Operator ID: JM

ALS Bottle#: 32 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 =

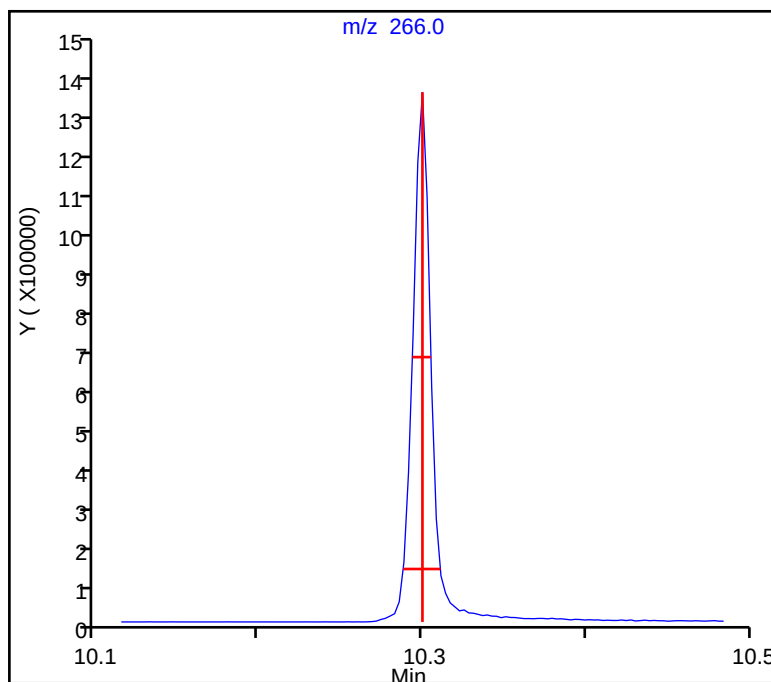
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)

Front Width = 0.012 (min.)

Tailing Factor = 0.92, Max. Tailing <= 2.00

Passed



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826665.D
Injection Date: 13-Nov-2021 00:31:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 32 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

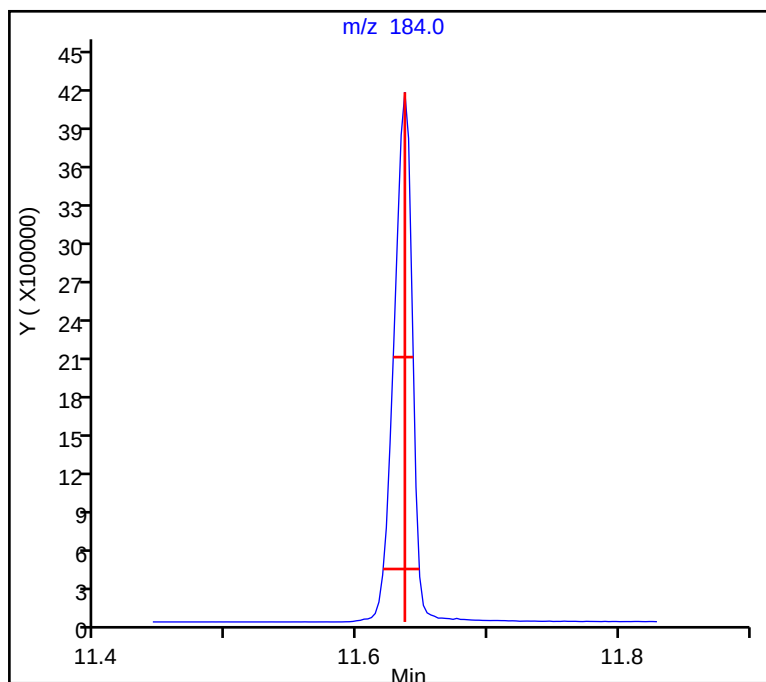
252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)

Front Width = 0.017 (min.)

Tailing Factor = 0.65, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-603553/1-A
 Matrix: Water Lab File ID: Y02826602.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/05/2021 07:11
 Sample wt/vol: 250 (mL) Date Analyzed: 11/11/2021 19:57
 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.: 604439 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	103		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	81		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	108		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826602.D

Lims ID: MB 480-603553/1-A

Client ID:

Sample Type: MB

Inject. Date: 11-Nov-2021 19:57:30

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Sample Info: 480-0102335-012

Operator ID: JM

Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y-LVI-8270.m

Limit Group: MB - 8270D ICAL

Last Update: 12-Nov-2021 14:20:04

Calib Date: 08-Nov-2021 14:51:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211108-102235.b\Y02826458.D

Column 1 : RXI-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: CTX1608

First Level Reviewer: marshallj

Date: 12-Nov-2021 09:06:52

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	6.629	-0.001	93	263689	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.716	-0.001	99	951391	4.00	4.00	
* 3 Acenaphthene-d10	164	9.205	9.206	-0.001	92	573519	4.00	4.00	
* 4 Phenanthrene-d10	188	10.468	10.469	0.000	94	1014608	4.00	4.00	
* 5 Chrysene-d12	240	13.249	13.249	0.000	97	1014124	4.00	4.00	
* 6 Perylene-d12	264	15.519	15.519	0.000	98	1132062	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.502	5.483	0.019	89	448360	8.00	5.47	
\$ 8 Phenol-d5	99	6.282	6.280	0.002	0	401428	8.00	3.98	
\$ 9 Nitrobenzene-d5	82	7.091	7.092	-0.001	86	599596	8.00	6.46	a
\$ 10 2-Fluorobiphenyl	172	8.603	8.604	-0.001	99	1599003	8.00	8.24	
\$ 11 2,4,6-Tribromophenol	330	9.869	9.870	-0.001	90	206093	8.00	7.73	
\$ 12 p-Terphenyl-d14	244	11.887	11.884	0.002	88	2267080	8.00	8.66	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88		3.698					ND	
14 N-Nitrosodimethylamine	42		4.087					ND	
15 Pyridine	52		4.135					ND	
18 1-Methylcyclopentanol	71	4.645	4.617	0.028	57	2695		NC	
19 2-Picoline	93		4.938					ND	
20 N-Nitrosomethylethylamine	88		5.040					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
24 Acrylamide	71		5.292					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
22 Methyl methanesulfonate	80		5.321					ND	
26 4-Chloropyridine	78	5.505	5.475	0.030	0	467		NC	
196 CBF-400	214		5.530					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
28 N-Nitrosodiethylamine	102		5.690					ND	
31 2-Chloropyridine	78		5.922					ND	
30 Ethyl methanesulfonate	79		5.936					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	
34 4-Chlorotoluene	91		6.134					ND	
35 Benzaldehyde	77		6.252					ND	
37 Phenol	94		6.294					ND	
36 Aniline	93		6.343					ND	
39 Bis(2-chloroethyl)ether	93		6.374					ND	
38 Pentachloroethane	167		6.390					ND	
42 p-Fluoroaniline	111		6.408					ND	
40 2-Chlorophenol	128		6.453					ND	
41 n-Decane	57	6.458	6.459	-0.001	85	6993		0.0712	
43 1,3-Dichlorobenzene	146		6.584					ND	
44 1,4-Dichlorobenzene	146		6.643					ND	
45 Benzyl alcohol	108		6.726					ND	
46 1,2-Dichlorobenzene	146		6.780					ND	
48 2-Methylphenol	108		6.808					ND	
49 2,2'-oxybis[1-chloropropane]	45		6.828					ND	
51 N-Methylaniline	106		6.855					ND	
47 Indene	115	6.853	6.856	-0.003	91	3358		0.0219	
50 N-Nitrosopyrrolidine	100		6.930					ND	
57 4-Methylphenol	108		6.930					ND	
53 N-Nitrosodi-n-propylamine	70		6.941					ND	
54 N-Nitrosomorpholine	56		6.955					ND	
52 Acetophenone	105	6.949	6.956	-0.007	97	5427		-0.0149	
56 2-Toluidine	106		6.986					ND	
55 4-Methylbenzenamine	106		7.038					ND	
60 2,6-Dichloropyridine	112		7.071					ND	
58 Hexachloroethane	117		7.075					ND	
59 Nitrobenzene	77		7.112					ND	
61 N-Nitrosopiperidine	114		7.230					ND	
65 Benzeneacetonitrile	117		7.282					ND	
62 Isophorone	82		7.302					ND	
64 2-Nitrophenol	139		7.381					ND	
282 2,4-Dichlorotoluene	125		7.383					ND	
66 2,4-Dimethylphenol	107		7.384					ND	
63 2-Chloroaniline	127		7.395					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
68 o,o',o''-Triethylphosphorothioate	198		7.423					ND	
69 Bis(2-chloroethoxy)methane	93		7.458					ND	
70 Benzoic acid	105		7.475					ND	
67 Tetraethyl lead	237		7.486					ND	
71 alpha,alpha-Dimethyl phenethylamine	59		7.559					ND	
72 2,4-Dichlorophenol	162		7.580					ND	
73 1,2,4-Trichlorobenzene	180		7.659					ND	
286 4-Chlorophenol	128		7.691					ND	
74 Naphthalene	128	7.735	7.736	-0.001	93	3828		-0.002048	
75 Alpha-Terpineol	59		7.756					ND	
76 4-Chloroaniline	127		7.756					ND	
77 2,6-Dichlorophenol	162		7.773					ND	
78 Hexachloropropene	213		7.806					ND	
79 Hexachlorobutadiene	225		7.827					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		8.011					ND	
82 N-Nitrosodi-n-butylamine	84		8.011					ND	
83 p-Phenylene diamine	108		8.045					ND	
84 Caprolactam	113		8.051					ND	
85 4-Chloro-3-methylphenol	107		8.142					ND	
86 Safrole, Total	162		8.212					ND	
281 2,4,5-Trichlorotoluene	159		8.296					ND	
198 NVF-400	82	8.305	8.311	-0.006	0	167		0.000702	
87 2-Methylnaphthalene	142	8.314	8.315	-0.001	94	7665		0.0475	
258 CU-600	58	8.308	8.316	-0.008	0	229		0.000963	
88 Phthalic anhydride	104		8.391					ND	
89 1-Methylnaphthalene	142	8.399	8.403	-0.004	91	3150		0.0207	
90 Hexachlorocyclopentadiene	237		8.448					ND	
91 1,2,4,5-Tetrachlorobenzene	216		8.457					ND	
275 Isosafrole Peak 1	162		8.459					ND	
93 2,4,6-Trichlorophenol	196		8.542					ND	
94 2,4,5-Trichlorophenol	196		8.579					ND	
284 2,3-Dichlorobenzeneamine	161	8.592	8.596	-0.004	48	103		NC	
277 Isosafrole Peak 2	162		8.649					ND	
95 Isosafrole	162		8.649					ND	
96 1,1'-Biphenyl	154		8.698					ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
97 2-Chloronaphthalene	162		8.732					ND	
99 1-Chloronaphthalene	162		8.754					ND	
100 2-Nitroaniline	65		8.797					ND	
102 1,4-Naphthoquinone	158		8.865					ND	
104 1,4-Dinitrobenzene	168		8.893					ND	
103 Dicyclohexylamine	138		8.916					ND	
105 Dimethyl phthalate	163		8.919					ND	
106 1,3-Dinitrobenzene	168		8.962					ND	
107 2,6-Dinitrotoluene	165		8.984					ND	
108 Acenaphthylene	152		9.089					ND	
109 3-Nitroaniline	138		9.138					ND	
111 2,4-Dinitrophenol	184		9.223					ND	
110 Acenaphthene	153		9.234					ND	
112 4-Nitrophenol	109		9.251					ND	
114 2,4-Dinitrotoluene	165		9.328					ND	
113 Pentachlorobenzene	250		9.347					ND	
115 Dibenzofuran	168		9.376					ND	
116 1-Naphthylamine	143		9.435					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.435					ND	
118 2,3,4,6-Tetrachlorophenol	232		9.473					ND	
121 Hexadecane	57		9.495					ND	U
119 2-Naphthylamine	143		9.500					ND	
120 Diethyl phthalate	149	9.503	9.504	-0.001	94	2373		0.0131	
122 Thionazin	97		9.577					ND	
123 4-Chlorophenyl phenyl ether	204		9.637					ND	
125 N-Nitro-o-toluidine	152		9.651					ND	
126 4-Nitroaniline	138		9.657					ND	
124 Fluorene	166		9.668					ND	
127 4,6-Dinitro-2-methylphenol	198		9.680					ND	
128 Tributyl phosphate	99		9.700					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		9.731					ND	
129 Diphenylamine	169		9.731					ND	U
132 Azobenzene	77	9.778	9.773	0.005	60	1011		0.005188	
131 1,2-Diphenylhydrazine	77	9.778	9.773	0.005	47	1011		0.005188	
134 Sulfotepp	322		9.821					ND	
135 1,3,5-Trinitrobenzene	213		9.918					ND	
136 Diallate	86		9.960					ND	
278 Diallate Peak 1	86		9.960					ND	
138 Phenacetin	108		9.960					ND	
137 Phorate	75		9.969					ND	U
280 Diallate Peak 2	86		10.042					ND	
139 4-Bromophenyl phenyl ether	248		10.054					ND	
141 Dimethoate	87		10.119					ND	
140 Hexachlorobenzene	284		10.145					ND	
143 Atrazine	200		10.151					ND	
142 Simazine	201		10.173					ND	
148 n-Octadecane	57	10.269	10.267	0.002	53	1913		0.0151	
144 4-Aminobiphenyl	169		10.275					ND	
147 Pronamide	173		10.289					ND	
145 Pentachlorophenol	266		10.298					ND	
146 Pentachloronitrobenzene	237		10.309					ND	
149 Disulfoton	88		10.408					ND	
150 Dinoseb	211		10.417					ND	U
151 Phenanthrene	178	10.488	10.488	0.000	50	11664		0.0432	
152 Anthracene	178		10.531					ND	
153 Carbazole	167		10.650					ND	
155 Methyl parathion	109		10.735					ND	
154 Alachlor	160		10.778					ND	
157 Di-n-butyl phthalate	149	10.871	10.871	0.000	99	17816		0.0567	
288 2-Methylantracene	192	10.879	10.885	-0.006	1	159		NC	
158 Ethyl Parathion	97		11.053					ND	
159 4-Nitroquinoline-1-oxide	190		11.132					ND	
161 Methapyrilene	58		11.158					ND	
160 Anthraquinone	180		11.220					ND	
162 Isodrin	193		11.407					ND	
164 Fluoranthene	202		11.547					ND	
166 Benzidine	184		11.629					ND	
165 1-Hydroxyanthraquinone	224		11.632					ND	U
241 5-Methyl-o-Anisidine	122		11.753					ND	
167 Pyrene	202		11.788					ND	
276 Aramite Peak 1	185		11.805					ND	U
168 Aramite, Total	185		11.884					ND	
279 Aramite Peak 2	185		11.884					ND	U
170 p-Dimethylamino azobenzene	120		12.029					ND	
171 Chlorobenzilate	251		12.060					ND	
169 1,4-Dihydroxyanthraquinone	240		12.123					ND	U
174 Butyl benzyl phthalate	149	12.389	12.390	-0.001	89	8617		0.0542	
172 Famphur	218		12.412					ND	
173 3,3'-Dimethylbenzidine	212		12.417					ND	U
175 9-Octadecenamide	59		12.441					ND	
176 Kepone	272		12.634					ND	
177 2-Acetylaminofluorene	181		12.747					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		13.116					ND	
178 4,4'-Methylene bis(2-chloroaniline)	231		13.135					ND	
179 3,3'-Dichlorobenzidine	252		13.150					ND	
180 Benzo[a]anthracene	228		13.232					ND	
182 Chrysene	228		13.286					ND	
183 6-Methylchrysene	242		13.947					ND	
184 Di-n-octyl phthalate	149		14.089					ND	
185 7,12-Dimethylbenz(a)anthracene	256		14.861					ND	
186 Benzo[b]fluoranthene	252		14.887					ND	
187 Benzo[k]fluoranthene	252		14.929					ND	
192 Hexachlorophene	196		15.237					ND	
283 Benzo[e]pyrene	252	15.340	15.335	0.005	1	185		NC	
189 Benzo[a]pyrene	252		15.429					ND	
190 3-Methylcholanthrene	268		15.981					ND	
191 Dibenz[a,h]acridine	279		16.949					ND	U
193 Indeno[1,2,3-cd]pyrene	276		17.432					ND	
194 Dibenz(a,h)anthracene	278		17.438					ND	
195 Benzo[g,h,i]perylene	276		17.997					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	
298 2-Bromopyridine TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
225 Dibenz(a,i)pyrene	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
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
254 4,4'-DDD	235		12.187					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1		0.195					ND	
S 262 3 & 4 Methylphenol	108		0.195					ND	
S 263 3-Methylphenol	1		0.195					ND	
S 260 Chlorotoluene N.O.S	1		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

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 12-Nov-2021 14:20:17

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826602.D

Injection Date: 11-Nov-2021 19:57:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: MB 480-603553/1-A

Worklist Smp#: 12

Client ID:

Injection Vol: 2.0 ul

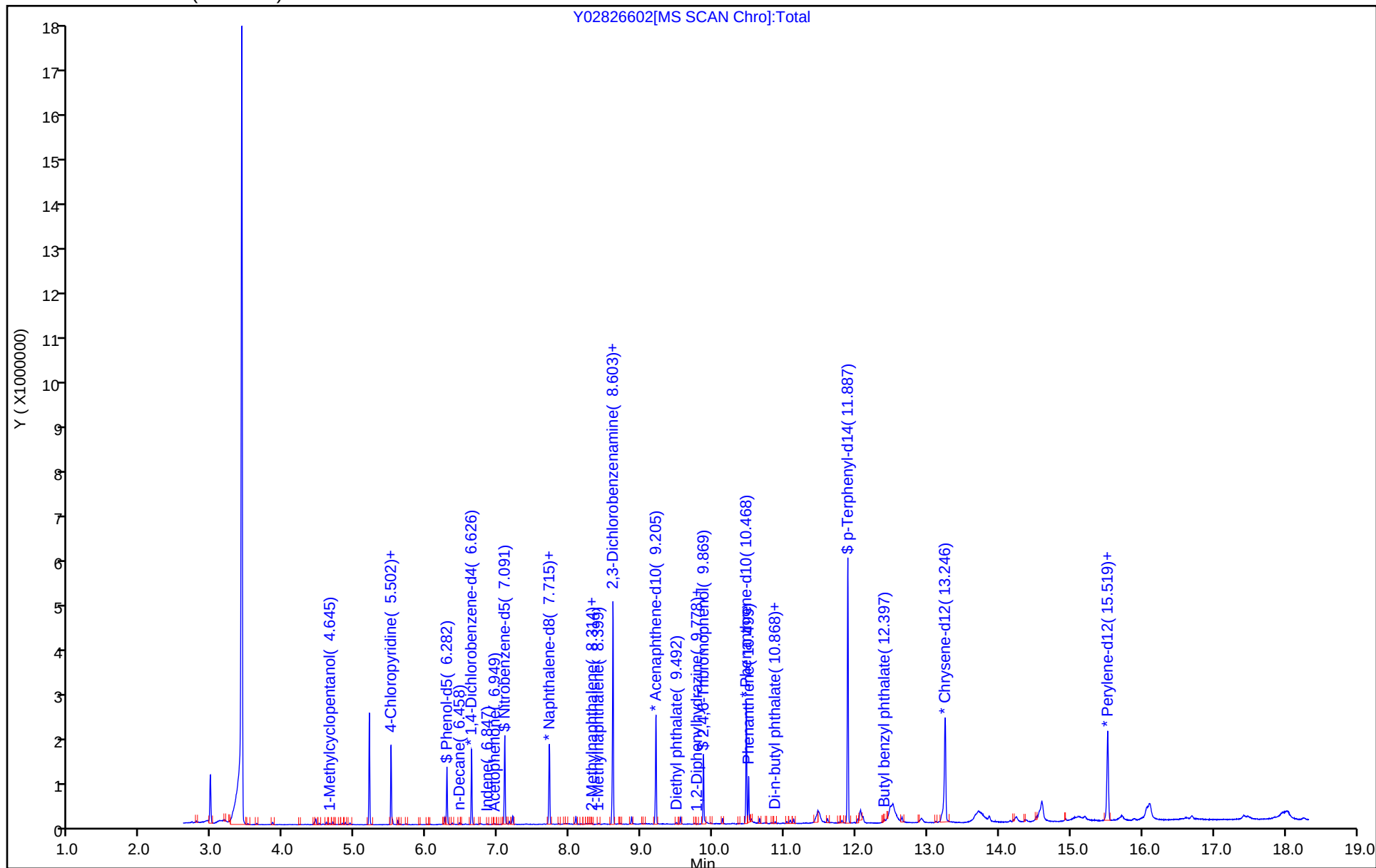
Dil. Factor: 1.0000

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\20211111-102335.b\Y02826602.D

Injection Date: 11-Nov-2021 19:57:30

Instrument ID: HP5973Y

Lims ID: MB 480-603553/1-A

Client ID:

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

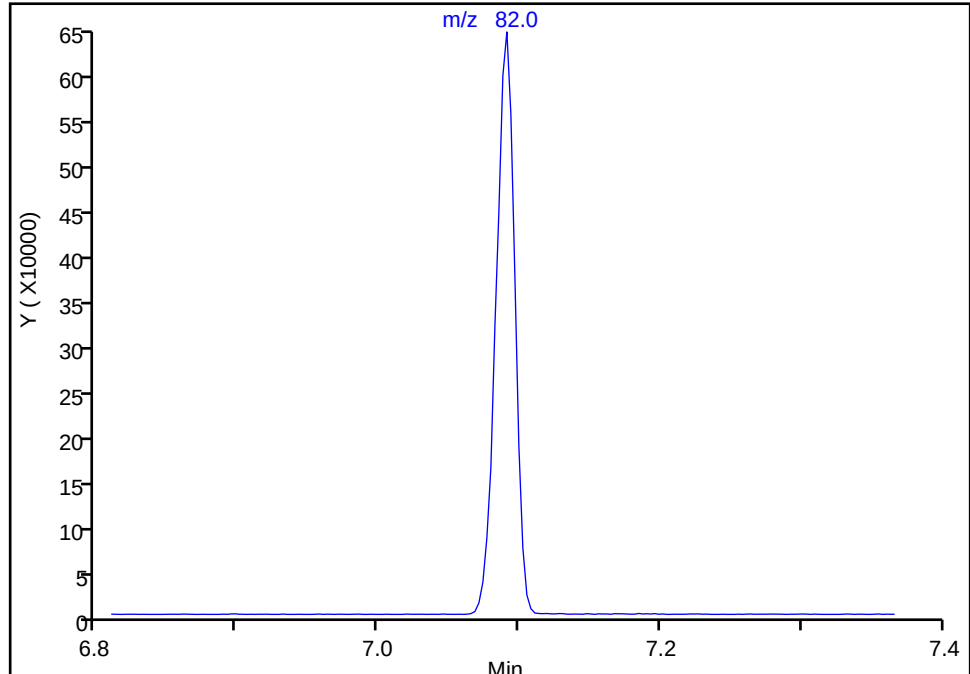
\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

Not Detected

Expected RT: 7.09

Processing Integration Results



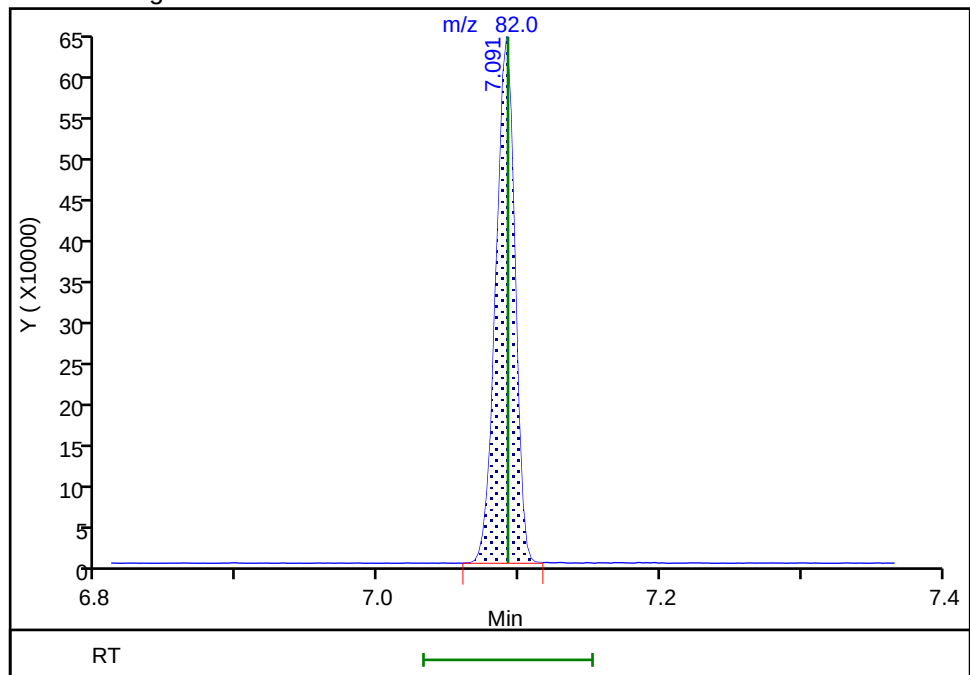
RT: 7.09

Area: 599596

Amount: 6.455044

Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 09:06:38

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.: 480-191867-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-603553/2-A
 Matrix: Water Lab File ID: Y02826603.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/05/2021 07:11
 Sample wt/vol: 250 (mL) Date Analyzed: 11/11/2021 20:24
 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.: 604439 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	33.5		5.0	0.41
208-96-8	Acenaphthylene	34.5		5.0	0.38
120-12-7	Anthracene	35.1		5.0	0.28
56-55-3	Benzo[a]anthracene	33.9		5.0	0.36
50-32-8	Benzo[a]pyrene	32.1		5.0	0.47
205-99-2	Benzo[b]fluoranthene	32.6		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	33.6		5.0	0.35
207-08-9	Benzo[k]fluoranthene	31.4		5.0	0.73
218-01-9	Chrysene	33.3		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	31.1		5.0	0.42
206-44-0	Fluoranthene	39.2		5.0	0.40
86-73-7	Fluorene	36.5		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	31.2		5.0	0.47
91-20-3	Naphthalene	31.7		5.0	0.76
85-01-8	Phenanthrene	34.4		5.0	0.44
129-00-0	Pyrene	33.2		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	113		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	94		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\20211111-102335.b\Y02826603.D

Lims ID: LCS 480-603553/2-A

Client ID:

Sample Type: LCS

Inject. Date: 11-Nov-2021 20:24:30

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Sample Info: 480-0102335-013

Operator ID: JM

Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y-LVI-8270.m

Limit Group: MB - 8270D ICAL

Last Update: 12-Nov-2021 14:20:04

Calib Date: 08-Nov-2021 14:51:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211108-102235.b\Y02826458.D

Column 1 : RXI-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: CTX1608

First Level Reviewer: marshallj

Date: 12-Nov-2021 09:07:28

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	6.629	6.629	0.000	92	259025	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.716	-0.001	99	937696	4.00	4.00	
* 3 Acenaphthene-d10	164	9.208	9.206	0.002	92	549047	4.00	4.00	
* 4 Phenanthrene-d10	188	10.471	10.469	0.003	94	1037991	4.00	4.00	
* 5 Chrysene-d12	240	13.254	13.249	0.005	97	1014373	4.00	4.00	
* 6 Perylene-d12	264	15.519	15.519	0.000	98	1143125	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.502	5.483	0.019	89	469487	8.00	5.83	
\$ 8 Phenol-d5	99	6.285	6.280	0.005	0	418585	8.00	4.23	
\$ 9 Nitrobenzene-d5	82	7.091	7.092	-0.001	88	687528	8.00	7.51	
\$ 10 2-Fluorobiphenyl	172	8.604	8.604	0.000	99	1679707	8.00	9.04	
\$ 11 2,4,6-Tribromophenol	330	9.872	9.870	0.002	90	379334	8.00	13.8	
\$ 12 p-Terphenyl-d14	244	11.887	11.884	0.003	96	2236295	8.00	8.54	
13 1,4-Dioxane	88	3.771	3.698	0.073	89	146767	8.00	4.51	a
14 N-Nitrosodimethylamine	42	4.132	4.087	0.045	89	208455	8.00	4.68	
15 Pyridine	52	4.188	4.135	0.053	96	266958	16.0	4.68	
35 Benzaldehyde	77	6.254	6.252	0.002	93	889454	16.0	14.2	
37 Phenol	94	6.297	6.294	0.003	99	435102	8.00	4.15	
36 Aniline	93	6.342	6.343	-0.001	97	558668	8.00	4.31	
39 Bis(2-chloroethyl)ether	93	6.373	6.374	-0.001	99	534418	8.00	6.85	
40 2-Chlorophenol	128	6.456	6.453	0.003	95	667903	8.00	7.76	
41 n-Decane	57	6.458	6.459	-0.001	91	325700	8.00	3.37	
43 1,3-Dichlorobenzene	146	6.583	6.584	-0.001	98	723137	8.00	7.40	
44 1,4-Dichlorobenzene	146	6.643	6.643	0.000	96	737564	8.00	7.38	
45 Benzyl alcohol	108	6.728	6.726	0.002	95	394004	8.00	7.00	
46 1,2-Dichlorobenzene	146	6.779	6.780	-0.001	98	716573	8.00	7.59	
48 2-Methylphenol	108	6.810	6.808	0.002	94	550253	8.00	7.00	
49 2,2'-oxybis[1-chloropropane]	45	6.830	6.828	0.002	87	513235	8.00	4.10	
47 Indene	115	6.859	6.856	0.003	89	8040537	64.0	53.4	
57 4-Methylphenol	108	6.935	6.930	0.005	94	553220	8.00	7.08	
53 N-Nitrosodi-n-propylamine	70	6.944	6.941	0.003	84	368083	8.00	6.55	
52 Acetophenone	105	6.955	6.956	-0.001	97	847836	8.00	8.14	
58 Hexachloroethane	117	7.074	7.075	-0.001	91	253061	8.00	6.48	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Nitrobenzene	77	7.111	7.112	-0.001	85	590784	8.00	7.43	
62 Isophorone	82	7.304	7.302	0.002	98	1062656	8.00	7.62	
64 2-Nitrophenol	139	7.381	7.381	0.000	95	383301	8.00	9.10	
66 2,4-Dimethylphenol	107	7.383	7.384	-0.001	93	658757	8.00	8.31	
69 Bis(2-chloroethoxy)methane	93	7.457	7.458	-0.001	98	660720	8.00	7.82	
70 Benzoic acid	105	7.500	7.475	0.025	87	1760541	64.0	34.8	Ma
72 2,4-Dichlorophenol	162	7.582	7.580	0.002	90	641986	8.00	10.0	
73 1,2,4-Trichlorobenzene	180	7.659	7.659	0.000	95	609371	8.00	8.66	
74 Naphthalene	128	7.735	7.736	-0.001	97	1911577	8.00	7.91	
76 4-Chloroaniline	127	7.758	7.756	0.002	97	616900	8.00	7.29	
77 2,6-Dichlorophenol	162	7.772	7.773	-0.001	97	621755	8.00	10.0	
79 Hexachlorobutadiene	225	7.826	7.827	-0.001	93	382707	8.00	9.17	
84 Caprolactam	113	8.056	8.051	0.005	84	149563	16.0	6.78	
85 4-Chloro-3-methylphenol	107	8.144	8.142	0.002	93	546728	8.00	8.84	
87 2-Methylnaphthalene	142	8.314	8.315	-0.001	92	1382956	8.00	8.69	
89 1-Methylnaphthalene	142	8.402	8.403	-0.001	93	1275510	8.00	8.50	
90 Hexachlorocyclopentadiene	237	8.445	8.448	-0.003	91	77612	8.00	1.53	
91 1,2,4,5-Tetrachlorobenzene	216	8.456	8.457	-0.001	95	714150	8.00	9.12	
93 2,4,6-Trichlorophenol	196	8.541	8.542	-0.001	89	486974	8.00	8.93	
94 2,4,5-Trichlorophenol	196	8.578	8.579	-0.001	94	525222	8.00	10.6	
96 1,1'-Biphenyl	154	8.697	8.698	-0.001	95	1694050	8.00	8.20	
97 2-Chloronaphthalene	162	8.731	8.732	-0.001	95	1297585	8.00	8.41	
100 2-Nitroaniline	65	8.797	8.797	0.000	91	322142	8.00	6.94	
105 Dimethyl phthalate	163	8.921	8.919	0.002	99	1620078	8.00	10.1	
106 1,3-Dinitrobenzene	168	8.964	8.962	0.002	94	265841	8.00	11.3	
107 2,6-Dinitrotoluene	165	8.984	8.984	0.000	91	398147	8.00	9.92	
108 Acenaphthylene	152	9.092	9.089	0.003	97	2181307	8.00	8.62	
109 3-Nitroaniline	138	9.140	9.138	0.002	95	310497	8.00	7.28	
111 2,4-Dinitrophenol	184	9.225	9.223	0.002	86	415372	16.0	19.7	
110 Acenaphthene	153	9.236	9.234	0.002	93	1399958	8.00	8.37	
112 4-Nitrophenol	109	9.256	9.251	0.005	84	287008	16.0	13.7	
114 2,4-Dinitrotoluene	165	9.330	9.328	0.002	94	520721	8.00	9.94	
115 Dibenzofuran	168	9.378	9.376	0.002	96	1972139	8.00	9.03	
118 2,3,4,6-Tetrachlorophenol	232	9.472	9.473	0.000	69	438807	8.00	10.5	
121 Hexadecane	57	9.497	9.495	0.002	97	461981	8.00	3.98	
120 Diethyl phthalate	149	9.509	9.504	0.005	98	1628518	8.00	9.36	
123 4-Chlorophenyl phenyl ether	204	9.639	9.637	0.002	86	837532	8.00	9.74	
126 4-Nitroaniline	138	9.662	9.657	0.005	90	390186	8.00	9.00	
124 Fluorene	166	9.668	9.668	0.000	93	1600069	8.00	9.13	
127 4,6-Dinitro-2-methylphenol	198	9.685	9.680	0.005	94	592111	16.0	20.8	
130 N-Nitrosodiphenylamine	169	9.733	9.731	0.002	63	1193088	8.00	8.52	
129 Diphenylamine	169	9.733	9.731	0.002	93	1193088	6.84	7.29	
132 Azobenzene	77	9.776	9.773	0.003	97	1195759	8.00	6.00	
131 1,2-Diphenylhydrazine	77	9.776	9.773	0.003	41	1195759	8.00	6.00	
139 4-Bromophenyl phenyl ether	248	10.056	10.054	0.002	59	579642	8.00	10.4	
140 Hexachlorobenzene	284	10.144	10.145	-0.001	95	700360	8.00	11.0	
143 Atrazine	200	10.156	10.151	0.005	95	1023088	16.0	22.1	
148 n-Octadecane	57	10.269	10.267	0.002	96	520143	8.00	4.01	
145 Pentachlorophenol	266	10.298	10.298	0.000	95	603873	16.0	18.3	
151 Phenanthrene	178	10.491	10.488	0.003	97	2375543	8.00	8.59	
152 Anthracene	178	10.536	10.531	0.005	95	2409694	8.00	8.78	
153 Carbazole	167	10.650	10.650	0.000	96	2172571	8.00	8.88	

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	10.874	10.871	0.003	100	2748798	8.00	8.56	
164 Fluoranthene	202	11.549	11.547	0.002	98	2782126	8.00	9.80	
166 Benzidine	184	11.629	11.629	0.000	98	141592	16.0	0.8190	
167 Pyrene	202	11.790	11.788	0.002	97	2821871	8.00	8.30	
174 Butyl benzyl phthalate	149	12.392	12.390	0.002	95	1224310	8.00	7.70	
181 Bis(2-ethylhexyl) phthalate	149	13.115	13.116	-0.001	93	1552075	8.00	6.76	
179 3,3'-Dichlorobenzidine	252	13.155	13.150	0.005	72	2009578	16.0	16.1	
180 Benzo[a]anthracene	228	13.237	13.232	0.005	97	2707000	8.00	8.47	
182 Chrysene	228	13.291	13.286	0.005	96	2544563	8.00	8.33	
184 Di-n-octyl phthalate	149	14.094	14.089	0.005	98	2633267	8.00	6.83	
186 Benzo[b]fluoranthene	252	14.892	14.887	0.005	96	2753243	8.00	8.16	
187 Benzo[k]fluoranthene	252	14.934	14.929	0.005	98	2710308	8.00	7.84	
189 Benzo[a]pyrene	252	15.434	15.429	0.005	77	2600684	8.00	8.02	
193 Indeno[1,2,3-cd]pyrene	276	17.434	17.432	0.002	96	3023303	8.00	7.79	a
194 Dibenz(a,h)anthracene	278	17.451	17.438	0.013	92	2609831	8.00	7.78	
195 Benzo[g,h,i]perylene	276	18.010	17.997	0.013	97	2605610	8.00	8.39	
S 263 3-Methylphenol	1				0		8.00	7.08	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 12-Nov-2021 14:20:19

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826603.D

Injection Date: 11-Nov-2021 20:24:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: LCS 480-603553/2-A

Worklist Smp#: 13

Client ID:

Injection Vol: 2.0 ul

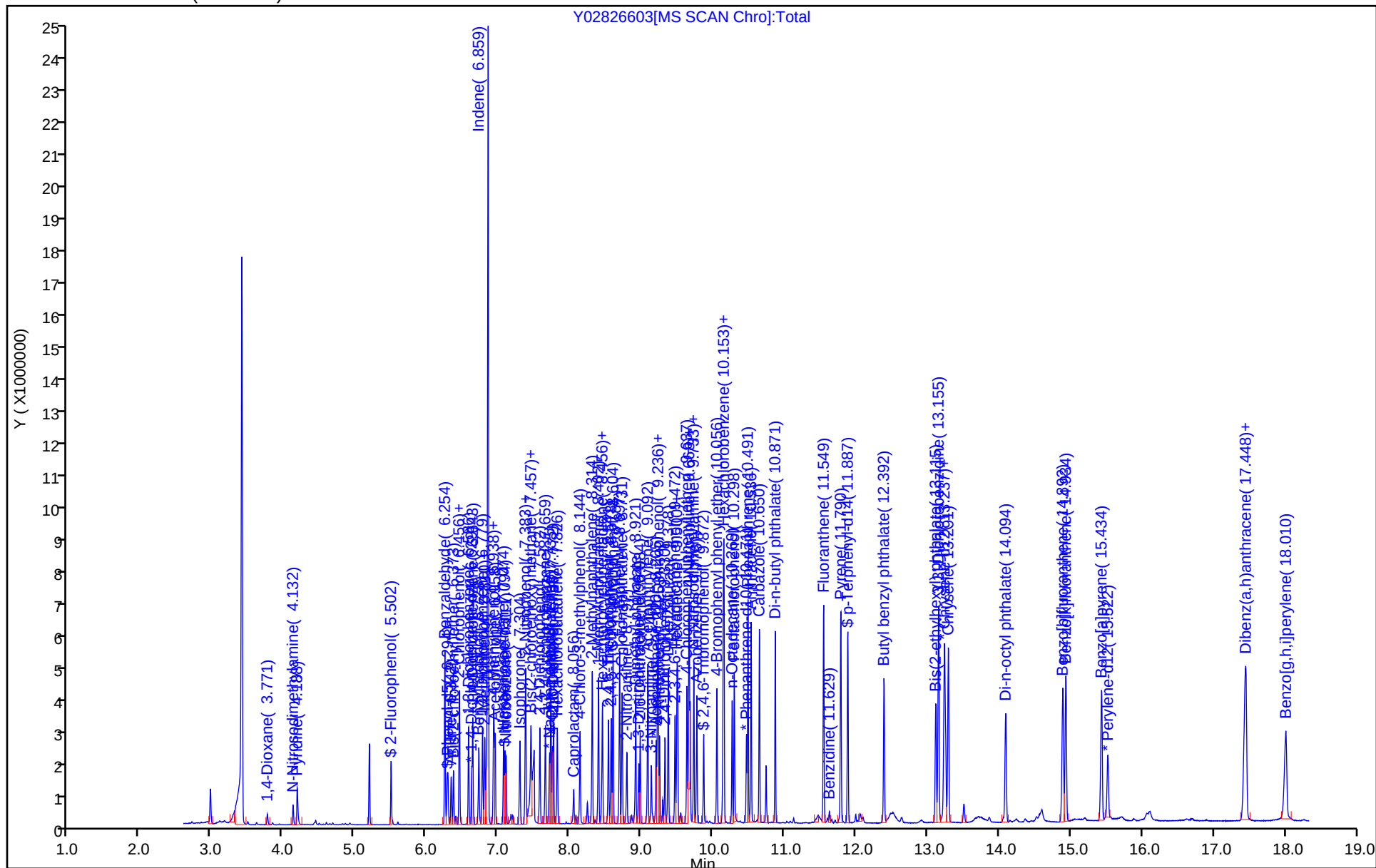
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211111-102335.b\Y02826603.D

Injection Date: 11-Nov-2021 20:24:30

Instrument ID: HP5973Y

Lims ID: LCS 480-603553/2-A

Client ID:

Operator ID: JM

ALS Bottle#:

13

Worklist Smp#: 13

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

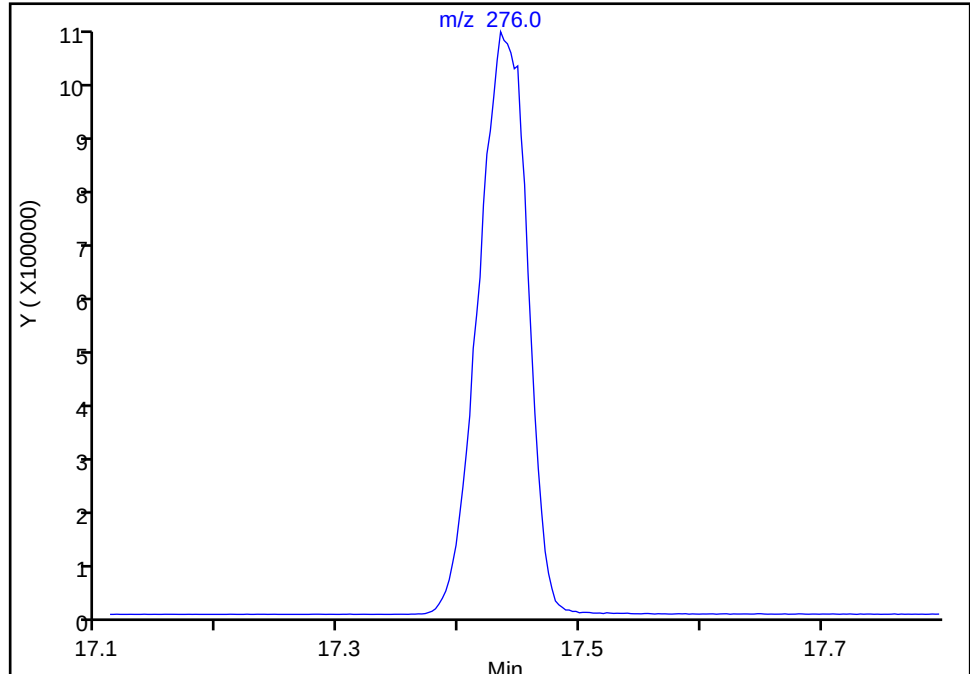
193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

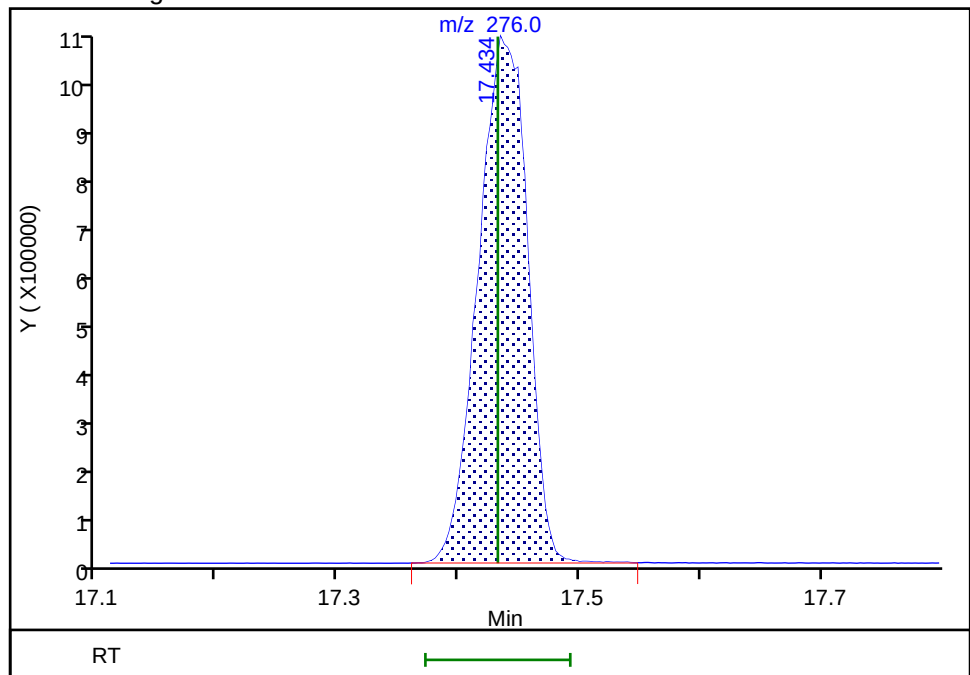
Not Detected

Expected RT: 17.43

Processing Integration Results



Manual Integration Results



RT: 17.43

Area: 3023303

Amount: 7.790293

Amount Units: ng/uL

Reviewer: marshallj, 12-Nov-2021 09:07:22

Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-191867-1</u>
SDG No.: _____	
Client Sample ID: <u>PZ03-01D MS</u>	Lab Sample ID: <u>480-191867-2 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y02826670.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>11/02/2021 14:40</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>11/05/2021 07:11</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>11/13/2021 02:47</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>604662</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	72.6		5.0	0.41
208-96-8	Acenaphthylene	34.3		5.0	0.38
120-12-7	Anthracene	34.5		5.0	0.28
56-55-3	Benzo[a]anthracene	23.2		5.0	0.36
50-32-8	Benzo[a]pyrene	19.3		5.0	0.47
205-99-2	Benzo[b]fluoranthene	19.6		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	18.9		5.0	0.35
207-08-9	Benzo[k]fluoranthene	18.1		5.0	0.73
218-01-9	Chrysene	22.7		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	18.6		5.0	0.42
206-44-0	Fluoranthene	32.7		5.0	0.40
86-73-7	Fluorene	40.3		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	18.4		5.0	0.47
91-20-3	Naphthalene	32.4		5.0	0.76
85-01-8	Phenanthrene	34.1		5.0	0.44
129-00-0	Pyrene	32.4		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	103		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	102		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	65		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826670.D
 Lims ID: 480-191867-B-2-A MS
 Client ID: PZ03-01D
 Sample Type: MS
 Inject. Date: 13-Nov-2021 02:47:30 ALS Bottle#: 37 Worklist Smp#: 7
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102376-007
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 14:53:13 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: 15-Nov-2021 13:20:52

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	6.627	0.001	92	260748	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.717	-0.002	99	915883	4.00	4.00	
* 3 Acenaphthene-d10	164	9.207	9.207	0.000	92	563345	4.00	4.00	
* 4 Phenanthrene-d10	188	10.470	10.470	0.000	94	1012124	4.00	4.00	
* 5 Chrysene-d12	240	13.254	13.250	0.004	97	1004901	4.00	4.00	
* 6 Perylene-d12	264	15.521	15.523	-0.002	98	1140297	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.501	5.484	0.017	89	437791	8.00	6.26	
\$ 8 Phenol-d5	99	6.287	6.284	0.003	0	385473	8.00	4.79	
\$ 9 Nitrobenzene-d5	82	7.093	7.093	0.000	86	617545	8.00	8.19	
\$ 10 2-Fluorobiphenyl	172	8.606	8.605	0.001	98	1574855	8.00	8.25	
\$ 11 2,4,6-Tribromophenol	330	9.874	9.871	0.003	89	373546	8.00	9.15	
\$ 12 p-Terphenyl-d14	244	11.883	11.886	-0.003	96	1354265	8.00	5.16	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88	3.770	3.693	0.077	87	137239	8.00	5.72	a
14 N-Nitrosodimethylamine	42	4.131	4.085	0.046	89	187705	8.00	6.56	
15 Pyridine	52	4.188	4.130	0.058	96	269064	16.0	8.74	
18 1-Methylcyclopentanol	71		4.617					ND	
19 2-Picoline	93		4.932					ND	
20 N-Nitrosomethylethylamine	88		5.037					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
24 Acrylamide	71		5.304					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
22 Methyl methanesulfonate	80		5.321					ND	
26 4-Chloropyridine	78	5.504	5.474	0.029	0	1579		NC	
196 CBF-400	214		5.530					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
28 N-Nitrosodiethylamine	102		5.687					ND	
31 2-Chloropyridine	78		5.922					ND	
30 Ethyl methanesulfonate	79		5.936					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	
34 4-Chlorotoluene	91		6.134					ND	
35 Benzaldehyde	77	6.253	6.253	0.000	94	763873	16.0	16.9	
37 Phenol	94	6.299	6.296	0.003	98	417157	8.00	5.07	
36 Aniline	93	6.341	6.341	0.000	99	536961	8.00	5.33	
39 Bis(2-chloroethyl)ether	93	6.373	6.372	0.001	100	525211	8.00	9.01	
38 Pentachloroethane	167		6.388					ND	
42 p-Fluoroaniline	111	6.455	6.407	0.047	51	1160		NC	
40 2-Chlorophenol	128	6.455	6.452	0.003	94	628550	8.00	7.85	
41 n-Decane	57	6.458	6.454	0.004	84	243554	8.00	4.52	
43 1,3-Dichlorobenzene	146	6.583	6.582	0.000	98	663962	8.00	6.88	
44 1,4-Dichlorobenzene	146	6.642	6.642	0.000	96	705580	8.00	7.23	
45 Benzyl alcohol	108	6.730	6.727	0.003	95	361177	8.00	7.97	
46 1,2-Dichlorobenzene	146	6.778	6.778	0.000	98	657879	8.00	7.06	
48 2-Methylphenol	108	6.812	6.809	0.003	91	509377	8.00	7.70	
49 2,2'-oxybis[1-chloropropane]	45	6.829	6.832	-0.003	84	442220	8.00	7.89	
47 Indene	115	6.855	6.855	0.001	89	7761396	64.0	56.8	
51 N-Methylaniline	106		6.855					ND	
50 N-Nitrosopyrrolidine	100		6.932					ND	
57 4-Methylphenol	108	6.934	6.934	0.000	95	517254	8.00	7.52	
53 N-Nitrosodi-n-propylamine	70	6.940	6.942	-0.002	85	336293	8.00	8.70	
52 Acetophenone	105	6.957	6.957	0.000	96	800060	8.00	8.49	
54 N-Nitrosomorpholine	56		6.961					ND	
56 2-Toluidine	106		6.989					ND	
55 4-Methylbenzenamine	106		7.038					ND	
60 2,6-Dichloropyridine	112		7.071					ND	
58 Hexachloroethane	117	7.073	7.073	0.000	90	243710	8.00	6.91	
59 Nitrobenzene	77	7.110	7.110	0.000	85	550217	8.00	8.52	
61 N-Nitrosopiperidine	114		7.233					ND	
65 Benzeneacetonitrile	117		7.282					ND	
62 Isophorone	82	7.303	7.303	0.000	99	972612	8.00	8.60	
64 2-Nitrophenol	139	7.380	7.379	0.001	90	363300	8.00	8.40	
282 2,4-Dichlorotoluene	125	7.400	7.379	0.018	1	99		NC	
66 2,4-Dimethylphenol	107	7.386	7.385	0.001	95	630970	8.00	9.11	
63 2-Chloroaniline	127		7.395					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
68 o,o',o''-Triethylphosphorothioat	198		7.426					ND	
69 Bis(2-chloroethoxy)methane	93	7.456	7.459	-0.003	98	608753	8.00	9.09	
70 Benzoic acid	105	7.510	7.484	0.026	86	2155265	64.0	46.7	M
67 Tetraethyl lead	237		7.486					ND	
71 alpha,alpha-Dimethyl phenethylam	150		7.562					ND	
72 2,4-Dichlorophenol	162	7.584	7.584	0.000	89	582303	8.00	8.55	
73 1,2,4-Trichlorobenzene	180	7.658	7.660	-0.002	94	577666	8.00	7.49	
286 4-Chlorophenol	128	7.666	7.687	-0.025	53	387		NC	
74 Naphthalene	128	7.735	7.737	-0.002	97	1857568	8.00	8.11	
75 Alpha-Terpineol	59		7.756					ND	
76 4-Chloroaniline	127	7.757	7.757	0.000	97	556407	8.00	6.78	
77 2,6-Dichlorophenol	162	7.771	7.774	-0.003	96	587859	8.00	8.54	
78 Hexachloropropene	213		7.809					ND	
79 Hexachlorobutadiene	225	7.825	7.825	0.000	93	362306	8.00	6.80	
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		8.011					ND	U
82 N-Nitrosodi-n-butylamine	84		8.014					ND	U
83 p-Phenylene diamine	108		8.048					ND	
84 Caprolactam	113	8.055	8.055	0.000	85	140155	16.0	6.94	
85 4-Chloro-3-methylphenol	107	8.146	8.146	0.000	94	523818	8.00	9.00	
86 Safrole, Total	162		8.212					ND	U
281 2,4,5-Trichlorotoluene	159	8.294	8.292	-0.002	0	575		NC	
198 NVF-400	82	8.277	8.306	-0.034	0	1674		0.007311	
87 2-Methylnaphthalene	142	8.313	8.316	-0.003	92	1304507	8.00	8.06	
258 CU-600	58	8.282	8.312	-0.034	0	1745		0.007621	
88 Phthalic anhydride	104		8.391					ND	
89 1-Methylnaphthalene	142	8.401	8.401	0.000	93	1879081	8.00	12.7	
90 Hexachlorocyclopentadiene	237	8.447	8.449	-0.002	94	370792	8.00	5.99	
91 1,2,4,5-Tetrachlorobenzene	216	8.455	8.458	-0.003	95	667116	8.00	7.30	
275 Isosafrole Peak 1	162		8.459					ND	
93 2,4,6-Trichlorophenol	196	8.543	8.543	0.000	89	477691	8.00	8.40	
94 2,4,5-Trichlorophenol	196	8.580	8.580	0.000	93	505195	8.00	8.88	
284 2,3-Dichlorobenzenamine	161	8.603	8.592	0.007	29	263		NC	
277 Isosafrole Peak 2	162		8.652					ND	
95 Isosafrole	162		8.652					ND	
96 1,1'-Biphenyl	154	8.697	8.696	0.001	95	1607658	8.00	8.03	
285 1,2,3,4 -Tetrachlorobenzene	216	8.714	8.729	-0.016	1	70		NC	
97 2-Chloronaphthalene	162	8.733	8.733	0.000	95	1234857	8.00	8.17	
99 1-Chloronaphthalene	162		8.757					ND	U
100 2-Nitroaniline	65	8.799	8.798	0.001	92	279046	8.00	8.45	
102 1,4-Naphthoquinone	158		8.868					ND	U
104 1,4-Dinitrobenzene	168		8.896					ND	
103 Dicyclohexylamine	138		8.916					ND	
105 Dimethyl phthalate	163	8.921	8.920	0.001	99	1497205	8.00	8.92	
106 1,3-Dinitrobenzene	168	8.966	8.963	0.003	95	248047	8.00	9.17	
107 2,6-Dinitrotoluene	165	8.986	8.986	0.000	91	358097	8.00	8.87	
108 Acenaphthylene	152	9.091	9.091	0.000	97	2124903	8.00	8.58	
109 3-Nitroaniline	138	9.142	9.139	0.003	92	267122	8.00	6.49	
111 2,4-Dinitrophenol	184	9.224	9.224	0.000	84	418873	16.0	17.6	a
110 Acenaphthene	153	9.239	9.235	0.003	94	2989594	8.00	18.1	E
112 4-Nitrophenol	109	9.261	9.255	0.006	83	250468	16.0	12.1	
114 2,4-Dinitrotoluene	165	9.332	9.329	0.003	94	502988	8.00	9.15	
113 Pentachlorobenzene	250	9.346	9.343	-0.001	50	2567		0.0295	
115 Dibenzofuran	168	9.378	9.377	0.001	96	1836650	8.00	8.09	
116 1-Naphthylamine	143		9.438					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.438					ND	
118 2,3,4,6-Tetrachlorophenol	232	9.474	9.471	0.003	68	434082	8.00	8.93	
121 Hexadecane	57	9.497	9.499	-0.002	96	270048	8.00	4.12	
119 2-Naphthylamine	143		9.500					ND	
120 Diethyl phthalate	149	9.508	9.505	0.003	99	1494177	8.00	8.79	
122 Thionazin	97		9.580					ND	
123 4-Chlorophenyl phenyl ether	204	9.639	9.638	0.001	87	777796	8.00	8.27	
125 N-Nitro-o-toluidine	152		9.657					ND	U
126 4-Nitroaniline	138	9.664	9.658	0.006	91	353167	8.00	8.20	
124 Fluorene	166	9.670	9.669	0.001	93	1787686	8.00	10.1	
127 4,6-Dinitro-2-methylphenol	198	9.684	9.681	0.003	96	590270	16.0	18.7	
128 Tributyl phosphate	99		9.700					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	9.735	9.735	0.000	64	1136812	8.00	8.95	
129 Diphenylamine	169	9.735	9.735	0.000	92	1136812	6.84	7.65	
131 1,2-Diphenylhydrazine	77	9.775	9.774	0.001	46	1104056	8.00	8.61	
132 Azobenzene	77	9.775	9.774	0.001	97	1104056	8.00	8.61	
134 Sulfotepp	322		9.824					ND	
135 1,3,5-Trinitrobenzene	213		9.923					ND	U
278 Diallate Peak 1	86		9.963					ND	
136 Diallate	86		9.963					ND	
138 Phenacetin	108		9.966					ND	
137 Phorate	75		9.971					ND	U
280 Diallate Peak 2	86		10.042					ND	
139 4-Bromophenyl phenyl ether	248	10.056	10.055	0.001	59	528774	8.00	8.23	
141 Dimethoate	87		10.125					ND	
140 Hexachlorobenzene	284	10.147	10.143	0.004	95	593344	8.00	7.40	
143 Atrazine	200	10.158	10.152	0.006	95	949185	16.0	17.9	
142 Simazine	201		10.173					ND	U
148 n-Octadecane	57	10.269	10.268	0.001	97	302625	8.00	4.49	
144 4-Aminobiphenyl	169		10.275					ND	U
147 Pronamide	173		10.292					ND	
145 Pentachlorophenol	266	10.300	10.299	0.001	95	658277	16.0	17.3	
146 Pentachloronitrobenzene	237		10.312					ND	
149 Disulfoton	88		10.408					ND	
150 Dinoseb	211		10.417					ND	U
151 Phenanthrene	178	10.490	10.489	0.001	95	2241717	8.00	8.51	
152 Anthracene	178	10.535	10.532	0.003	95	2249002	8.00	8.62	
153 Carbazole	167	10.652	10.648	0.004	96	2052764	8.00	9.18	
155 Methyl parathion	109		10.735					ND	U
154 Alachlor	160		10.778					ND	U
157 Di-n-butyl phthalate	149	10.873	10.870	0.003	99	2343950	8.00	8.21	
288 2-Methylantracene	192	10.887	10.881	0.002	83	6215		NC	
158 Ethyl Parathion	97		11.055					ND	U
159 4-Nitroquinoline-1-oxide	190		11.135					ND	U
161 Methapyrilene	58		11.160					ND	
160 Anthraquinone	180		11.220					ND	U
162 Isodrin	193		11.407					ND	
164 Fluoranthene	202	11.548	11.548	0.000	97	2395148	8.00	8.18	
166 Benzidine	184	11.631	11.630	0.001	98	170399	16.0	1.15	
165 1-Hydroxyanthraquinone	224		11.632					ND	U
241 5-Methyl-o-Anisidine	122		11.753					ND	U
167 Pyrene	202	11.790	11.786	0.004	97	2460403	8.00	8.10	
276 Aramite Peak 1	185		11.807					ND	U
279 Aramite Peak 2	185		11.887					ND	U
168 Aramite, Total	185		11.887					ND	
170 p-Dimethylamino azobenzene	120		12.032					ND	
171 Chlorobenzilate	251		12.063					ND	
169 1,4-Dihydroxyanthraquinone	240		12.123					ND	
174 Butyl benzyl phthalate	149	12.394	12.391	0.003	94	961108	8.00	7.58	
172 Famphur	218		12.412					ND	U
173 3,3'-Dimethylbenzidine	212		12.420					ND	
175 9-Octadecenamide	59		12.441					ND	
176 Kepone	272		12.634					ND	
177 2-Acetylaminofluorene	181		12.752					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	13.115	13.114	0.001	93	939010	8.00	5.19	
178 4,4'-Methylene bis(2-chloroaniline)	231		13.138					ND	
179 3,3'-Dichlorobenzidine	252	13.154	13.151	0.003	72	1242609	16.0	10.0	
180 Benzo[a]anthracene	228	13.234	13.233	0.001	97	1760836	8.00	5.79	
182 Chrysene	228	13.291	13.287	0.004	96	1644774	8.00	5.68	
183 6-Methylchrysene	242		13.950					ND	U
184 Di-n-octyl phthalate	149	14.091	14.093	-0.002	98	1521594	8.00	4.90	
185 7,12-Dimethylbenz(a)anthracene	256		14.861					ND	U
186 Benzo[b]fluoranthene	252	14.888	14.888	0.000	96	1611519	8.00	4.89	
187 Benzo[k]fluoranthene	252	14.934	14.930	0.004	98	1513611	8.00	4.53	
192 Hexachlorophene	196		15.237					ND	
283 Benzo[e]pyrene	252	15.356	15.331	0.021	1	647		NC	
189 Benzo[a]pyrene	252	15.430	15.430	0.000	76	1520359	8.00	4.83	
190 3-Methylcholanthrene	268		15.990					ND	
191 Dibenz[a,h]acridine	279		16.952					ND	
193 Indeno[1,2,3-cd]pyrene	276	17.433	17.430	0.003	95	1764544	8.00	4.61	
194 Dibenz(a,h)anthracene	278	17.439	17.444	-0.005	92	1530322	8.00	4.64	
195 Benzo[g,h,i]perylene	276	17.998	18.001	-0.003	97	1557198	8.00	4.72	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	
297 Fluorobenzene TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
219 Photomirex TIC	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
224 1-Bromopropane	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
238 Phenylacetic Acid	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
250 Pentachlorophenol_T	266	10.300	10.300	0.000	95	616739		NR	
252 Benzidine_T	184	11.631	11.636	-0.005	98	169686		NR	
253 4,4'-DDE	246		11.818					ND	
254 4,4'-DDD	235		12.190					ND	
255 4,4'-DDT	235		12.561					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			15.2	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1				0		8.00	7.52	
S 262 3 & 4 Methylphenol	108				0			7.52	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 14:53:24

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826670.D

Injection Date: 13-Nov-2021 02:47:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-191867-B-2-A MS

Worklist Smp#: 7

Client ID: PZ03-01D

Injection Vol: 2.0 ul

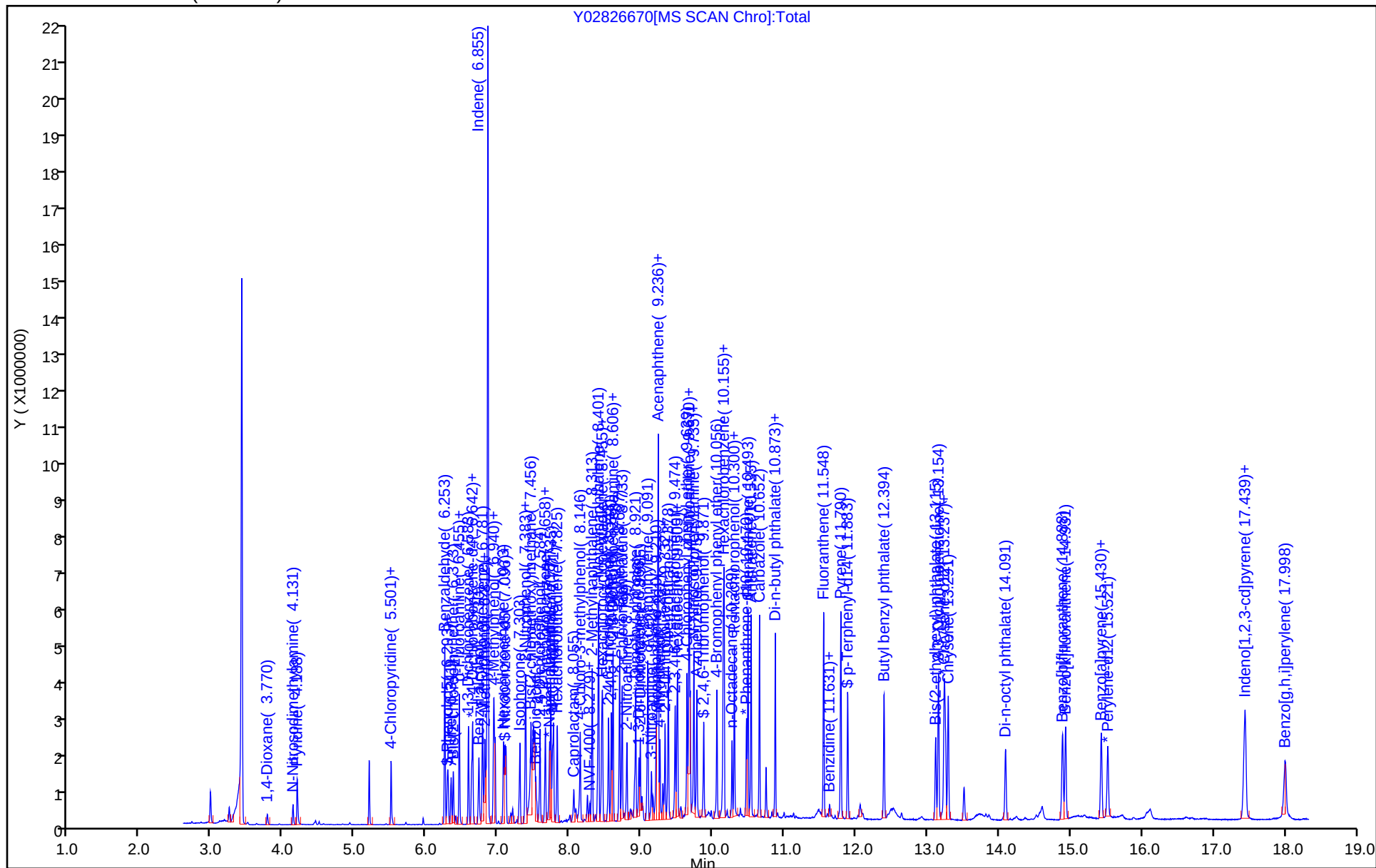
Dil. Factor: 1.0000

ALS Bottle#: 37

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\20211112-102376.b\Y02826670.D

Injection Date: 13-Nov-2021 02:47:30

Instrument ID: HP5973Y

Lims ID: 480-191867-B-2-A MS

Client ID: PZ03-01D

Operator ID: JM

ALS Bottle#:

37

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

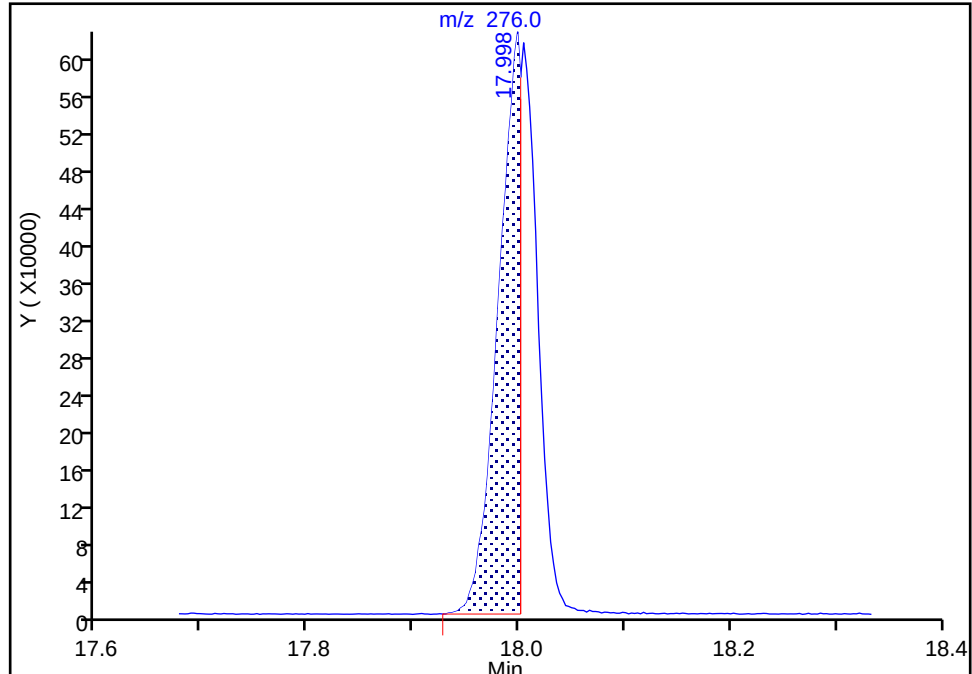
MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

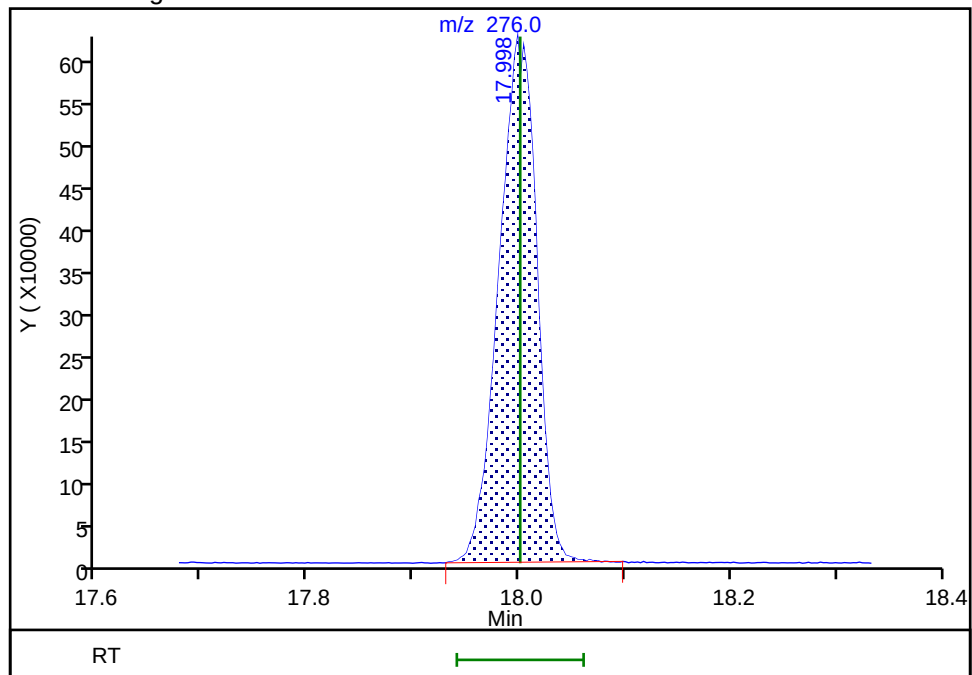
RT: 18.00
Area: 927198
Amount: 2.810199
Amount Units: ng/uL

Processing Integration Results



RT: 18.00
Area: 1557198
Amount: 4.719635
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 15-Nov-2021 14:14:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
 SDG No.: _____
 Client Sample ID: PZ03-01D MSD Lab Sample ID: 480-191867-2 MSD
 Matrix: Water Lab File ID: Y02826671.D
 Analysis Method: 8270D Date Collected: 11/02/2021 14:40
 Extract. Method: 3510C Date Extracted: 11/05/2021 07:11
 Sample wt/vol: 250 (mL) Date Analyzed: 11/13/2021 03:15
 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.: 604662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	78.0		5.0	0.41
208-96-8	Acenaphthylene	36.7		5.0	0.38
120-12-7	Anthracene	35.3		5.0	0.28
56-55-3	Benzo[a]anthracene	23.7		5.0	0.36
50-32-8	Benzo[a]pyrene	19.0		5.0	0.47
205-99-2	Benzo[b]fluoranthene	19.4		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	18.5		5.0	0.35
207-08-9	Benzo[k]fluoranthene	17.7		5.0	0.73
218-01-9	Chrysene	22.2		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	18.3		5.0	0.42
206-44-0	Fluoranthene	33.9		5.0	0.40
86-73-7	Fluorene	43.5		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	18.1		5.0	0.47
91-20-3	Naphthalene	34.9		5.0	0.76
85-01-8	Phenanthrene	36.0		5.0	0.44
129-00-0	Pyrene	34.2		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	111		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	110		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	63		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826671.D
 Lims ID: 480-191867-C-2-A MSD
 Client ID: PZ03-01D
 Sample Type: MSD
 Inject. Date: 13-Nov-2021 03:15:30 ALS Bottle#: 38 Worklist Smp#: 8
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102376-008
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 14:53:13 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: 15-Nov-2021 13:21:08

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	6.626	6.627	-0.001	91	271161	4.00	4.00	
* 2 Naphthalene-d8	136	7.716	7.717	-0.001	98	949449	4.00	4.00	
* 3 Acenaphthene-d10	164	9.209	9.207	0.002	92	580377	4.00	4.00	
* 4 Phenanthrene-d10	188	10.471	10.470	0.001	94	1045377	4.00	4.00	
* 5 Chrysene-d12	240	13.252	13.250	0.002	96	1034838	4.00	4.00	
* 6 Perylene-d12	264	15.522	15.523	-0.001	98	1159984	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.503	5.484	0.019	88	470143	8.00	6.47	
\$ 8 Phenol-d5	99	6.289	6.284	0.005	0	417130	8.00	4.98	
\$ 9 Nitrobenzene-d5	82	7.095	7.093	0.002	86	685963	8.00	8.77	
\$ 10 2-Fluorobiphenyl	172	8.607	8.605	0.002	99	1739340	8.00	8.84	
\$ 11 2,4,6-Tribromophenol	330	9.873	9.871	0.002	89	426648	8.00	10.1	
\$ 12 p-Terphenyl-d14	244	11.884	11.886	-0.002	96	1352417	8.00	5.01	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88	3.772	3.693	0.079	88	147069	8.00	5.90	a
14 N-Nitrosodimethylamine	42	4.132	4.085	0.047	90	198153	8.00	6.66	
15 Pyridine	52	4.189	4.130	0.059	96	297768	16.0	9.30	
18 1-Methylcyclopentanol	71		4.617					ND	
19 2-Picoline	93		4.932					ND	
20 N-Nitrosomethylethylamine	88		5.037					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
24 Acrylamide	71		5.304					ND	U
25 n,n'-Dimethylacetamide	87		5.306					ND	
22 Methyl methanesulfonate	80		5.321					ND	
26 4-Chloropyridine	78	5.503	5.474	0.028	0	793		NC	
196 CBF-400	214		5.530					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
28 N-Nitrosodiethylamine	102		5.687					ND	
31 2-Chloropyridine	78		5.922					ND	
30 Ethyl methanesulfonate	79		5.936					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	
34 4-Chlorotoluene	91		6.134					ND	
35 Benzaldehyde	77	6.252	6.253	-0.001	94	871700	16.0	18.6	
37 Phenol	94	6.300	6.296	0.004	98	445079	8.00	5.20	
36 Aniline	93	6.340	6.341	-0.001	99	589517	8.00	5.63	
39 Bis(2-chloroethyl)ether	93	6.374	6.372	0.002	99	564435	8.00	9.32	
38 Pentachloroethane	167		6.388					ND	
42 p-Fluoroaniline	111	6.450	6.407	0.042	51	2162		NC	
40 2-Chlorophenol	128	6.453	6.452	0.001	94	685950	8.00	8.23	
41 n-Decane	57	6.456	6.454	0.002	87	250552	8.00	4.47	
43 1,3-Dichlorobenzene	146	6.584	6.582	0.002	97	758773	8.00	7.56	
44 1,4-Dichlorobenzene	146	6.641	6.642	-0.002	96	768261	8.00	7.57	
45 Benzyl alcohol	108	6.731	6.727	0.004	94	389069	8.00	8.25	
46 1,2-Dichlorobenzene	146	6.780	6.778	0.002	98	734823	8.00	7.59	
48 2-Methylphenol	108	6.814	6.809	0.005	92	533754	8.00	7.76	
49 2,2'-oxybis[1-chloropropane]	45	6.831	6.832	-0.001	84	474414	8.00	8.14	
47 Indene	115	6.859	6.855	0.005	88	8456934	64.0	59.5	
51 N-Methylaniline	106		6.855					ND	
50 N-Nitrosopyrrolidine	100		6.932					ND	
57 4-Methylphenol	108	6.938	6.934	0.004	97	562170	8.00	7.86	
53 N-Nitrosodi-n-propylamine	70	6.944	6.942	0.002	84	378673	8.00	9.42	
52 Acetophenone	105	6.958	6.957	0.001	96	901797	8.00	9.20	
54 N-Nitrosomorpholine	56		6.961					ND	
56 2-Toluidine	106		6.989					ND	
55 4-Methylbenzenamine	106		7.038					ND	
60 2,6-Dichloropyridine	112		7.071					ND	
58 Hexachloroethane	117	7.072	7.073	-0.001	90	272220	8.00	7.43	
59 Nitrobenzene	77	7.109	7.110	-0.001	85	585535	8.00	8.75	
61 N-Nitrosopiperidine	114		7.233					ND	
65 Benzeneacetonitrile	117		7.282					ND	
62 Isophorone	82	7.304	7.303	0.001	98	1066711	8.00	9.10	
64 2-Nitrophenol	139	7.381	7.379	0.002	93	404901	8.00	9.03	
282 2,4-Dichlorotoluene	125	7.401	7.379	0.019	1	129		NC	
66 2,4-Dimethylphenol	107	7.387	7.385	0.002	94	667399	8.00	9.30	
63 2-Chloroaniline	127		7.395					ND	
287 1,3,5-Trichlorobenzene	180	7.446	7.415	0.030	38	48		NC	
68 o,o',o''-Triethylphosphorothioate	198		7.426					ND	
69 Bis(2-chloroethoxy)methane	93	7.458	7.459	-0.001	97	670020	8.00	9.65	
70 Benzoic acid	105	7.520	7.484	0.036	88	2490219	64.0	51.8	M
67 Tetraethyl lead	237		7.486					ND	
71 alpha,alpha-Dimethyl phenethylamine	150		7.562					ND	
72 2,4-Dichlorophenol	162	7.585	7.584	0.001	89	647462	8.00	9.17	
73 1,2,4-Trichlorobenzene	180	7.659	7.660	-0.001	94	652903	8.00	8.17	
286 4-Chlorophenol	128	7.642	7.687	-0.049	64	3255		NC	
74 Naphthalene	128	7.736	7.737	-0.001	97	2073296	8.00	8.73	
75 Alpha-Terpineol	59		7.756					ND	
76 4-Chloroaniline	127	7.759	7.757	0.001	97	543006	8.00	6.39	
77 2,6-Dichlorophenol	162	7.773	7.774	-0.001	96	651685	8.00	9.13	
78 Hexachloropropene	213		7.809					ND	
79 Hexachlorobutadiene	225	7.827	7.825	0.002	93	398760	8.00	7.22	
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		8.011					ND	U
82 N-Nitrosodi-n-butylamine	84		8.014					ND	
83 p-Phenylene diamine	108		8.048					ND	
84 Caprolactam	113	8.059	8.055	0.004	86	152624	16.0	7.28	
85 4-Chloro-3-methylphenol	107	8.147	8.146	0.001	93	564330	8.00	9.35	
86 Safrole, Total	162		8.212					ND	U
281 2,4,5-Trichlorotoluene	159	8.269	8.292	-0.027	0	347		NC	
198 NVF-400	82	8.315	8.306	0.004	0	685		0.002886	
87 2-Methylnaphthalene	142	8.315	8.316	-0.001	90	1422840	8.00	8.48	
258 CU-600	58	8.326	8.312	0.010	0	858		0.003615	
88 Phthalic anhydride	104		8.391					ND	
89 1-Methylnaphthalene	142	8.403	8.401	0.002	92	2096988	8.00	13.7	
90 Hexachlorocyclopentadiene	237	8.445	8.449	-0.004	92	398853	8.00	6.24	
91 1,2,4,5-Tetrachlorobenzene	216	8.457	8.458	-0.001	95	753955	8.00	8.01	
275 Isosafrole Peak 1	162		8.459					ND	
93 2,4,6-Trichlorophenol	196	8.542	8.543	-0.001	89	540532	8.00	9.21	
94 2,4,5-Trichlorophenol	196	8.581	8.580	0.001	95	562945	8.00	9.59	
284 2,3-Dichlorobenzeneamine	161	8.545	8.592	-0.051	51	7967		NC	
277 Isosafrole Peak 2	162		8.652					ND	U
95 Isosafrole	162		8.652					ND	U
96 1,1'-Biphenyl	154	8.698	8.696	0.002	95	1754596	8.00	8.51	
285 1,2,3,4 -Tetrachlorobenzene	216	8.703	8.729	-0.027	48	93		NC	
97 2-Chloronaphthalene	162	8.732	8.733	-0.001	96	1354713	8.00	8.70	
99 1-Chloronaphthalene	162		8.757					ND	U
100 2-Nitroaniline	65	8.800	8.798	0.002	92	314385	8.00	9.23	
102 1,4-Naphthoquinone	158		8.868					ND	
104 1,4-Dinitrobenzene	168		8.896					ND	
103 Dicyclohexylamine	138		8.916					ND	
105 Dimethyl phthalate	163	8.922	8.920	0.002	99	1672497	8.00	9.67	
106 1,3-Dinitrobenzene	168	8.967	8.963	0.004	94	266182	8.00	9.49	
107 2,6-Dinitrotoluene	165	8.987	8.986	0.001	90	402838	8.00	9.69	
108 Acenaphthylene	152	9.092	9.091	0.001	97	2337012	8.00	9.16	
109 3-Nitroaniline	138	9.143	9.139	0.004	91	289989	8.00	6.84	
111 2,4-Dinitrophenol	184	9.228	9.224	0.004	86	468616	16.0	19.0	
110 Acenaphthene	153	9.237	9.235	0.002	94	3309224	8.00	19.5	E
112 4-Nitrophenol	109	9.262	9.255	0.007	84	300734	16.0	14.0	
114 2,4-Dinitrotoluene	165	9.333	9.329	0.004	94	545281	8.00	9.62	
113 Pentachlorobenzene	250		9.347					ND	U
115 Dibenzofuran	168	9.379	9.377	0.002	96	2022888	8.00	8.65	
116 1-Naphthylamine	143		9.438					ND	U
117 2,3,5,6-Tetrachlorophenol	232		9.438					ND	
118 2,3,4,6-Tetrachlorophenol	232	9.472	9.471	0.001	68	487702	8.00	9.73	
121 Hexadecane	57	9.495	9.499	-0.004	98	265528	8.00	3.93	
119 2-Naphthylamine	143		9.500					ND	U
120 Diethyl phthalate	149	9.506	9.505	0.001	99	1658843	8.00	9.47	
122 Thionazin	97		9.580					ND	
123 4-Chlorophenyl phenyl ether	204	9.640	9.638	0.002	89	854957	8.00	8.83	
125 N-Nitro-o-toluidine	152		9.657					ND	U
126 4-Nitroaniline	138	9.663	9.658	0.005	91	392458	8.00	8.85	
124 Fluorene	166	9.668	9.669	-0.001	93	1990334	8.00	10.9	
127 4,6-Dinitro-2-methylphenol	198	9.685	9.681	0.004	95	660622	16.0	20.2	
128 Tributyl phosphate	99		9.700					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	9.733	9.735	-0.002	63	1243391	8.00	9.47	
129 Diphenylamine	169	9.733	9.735	-0.002	92	1243391	6.84	8.10	
131 1,2-Diphenylhydrazine	77	9.776	9.774	0.002	42	1202782	8.00	9.09	
132 Azobenzene	77	9.776	9.774	0.002	97	1202782	8.00	9.09	
134 Sulfotepp	322		9.824					ND	
135 1,3,5-Trinitrobenzene	213		9.923					ND	U
278 Diallate Peak 1	86		9.963					ND	
136 Diallate	86		9.963					ND	
138 Phenacetin	108		9.966					ND	
137 Phorate	75		9.971					ND	
280 Diallate Peak 2	86		10.042					ND	
139 4-Bromophenyl phenyl ether	248	10.057	10.055	0.002	58	582344	8.00	8.78	
141 Dimethoate	87		10.125					ND	
140 Hexachlorobenzene	284	10.145	10.143	0.002	94	616206	8.00	7.44	
143 Atrazine	200	10.159	10.152	0.007	94	1056694	16.0	19.4	
142 Simazine	201		10.173					ND	
148 n-Octadecane	57	10.270	10.268	0.002	96	310492	8.00	4.46	a
144 4-Aminobiphenyl	169		10.275					ND	U
147 Pronamide	173		10.292					ND	U
145 Pentachlorophenol	266	10.301	10.299	0.002	95	730501	16.0	18.5	
146 Pentachloronitrobenzene	237		10.312					ND	
149 Disulfoton	88		10.408					ND	
150 Dinoseb	211		10.417					ND	U
151 Phenanthrene	178	10.491	10.489	0.002	95	2447078	8.00	9.00	
152 Anthracene	178	10.537	10.532	0.005	95	2376535	8.00	8.82	
153 Carbazole	167	10.653	10.648	0.005	96	2285030	8.00	9.90	
155 Methyl parathion	109		10.735					ND	
154 Alachlor	160		10.778					ND	
157 Di-n-butyl phthalate	149	10.874	10.870	0.004	99	2536499	8.00	8.60	
288 2-Methylantracene	192	10.911	10.881	0.026	17	593		NC	
158 Ethyl Parathion	97		11.055					ND	U
159 4-Nitroquinoline-1-oxide	190		11.135					ND	
161 Methapyrilene	58		11.160					ND	
160 Anthraquinone	180		11.220					ND	U
162 Isodrin	193		11.407					ND	U
164 Fluoranthene	202	11.550	11.548	0.002	97	2563006	8.00	8.48	
166 Benzidine	184	11.635	11.630	0.005	98	64164	16.0	0.4195	
165 1-Hydroxyanthraquinone	224		11.632					ND	U
241 5-Methyl-o-Anisidine	122		11.753					ND	U
167 Pyrene	202	11.791	11.786	0.005	97	2670465	8.00	8.54	
276 Aramite Peak 1	185		11.807					ND	U
279 Aramite Peak 2	185		11.887					ND	U
168 Aramite, Total	185		11.887					ND	
170 p-Dimethylamino azobenzene	120		12.032					ND	
171 Chlorobenzilate	251		12.063					ND	
169 1,4-Dihydroxyanthraquinone	240		12.123					ND	
174 Butyl benzyl phthalate	149	12.392	12.391	0.001	94	1045429	8.00	8.01	
172 Famphur	218		12.412					ND	
173 3,3'-Dimethylbenzidine	212		12.420					ND	
175 9-Octadecenamide	59		12.441					ND	
176 Kepone	272		12.634					ND	
177 2-Acetylaminofluorene	181		12.752					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	13.113	13.114	-0.001	93	907995	8.00	4.88	
178 4,4'-Methylene bis(2-chloroaniline)	231		13.138					ND	
179 3,3'-Dichlorobenzidine	252	13.156	13.151	0.005	72	1266702	16.0	9.92	
180 Benzo[a]anthracene	228	13.235	13.233	0.002	97	1852612	8.00	5.92	
182 Chrysene	228	13.289	13.287	0.002	96	1657057	8.00	5.56	
183 6-Methylchrysene	242		13.950					ND	U
184 Di-n-octyl phthalate	149	14.092	14.093	-0.001	98	1519294	8.00	4.75	
185 7,12-Dimethylbenz(a)anthracene	256		14.861					ND	U
186 Benzo[b]fluoranthene	252	14.889	14.888	0.001	96	1624497	8.00	4.85	
187 Benzo[k]fluoranthene	252	14.932	14.930	0.002	97	1501358	8.00	4.42	
192 Hexachlorophene	196		15.237					ND	
283 Benzo[e]pyrene	252	15.341	15.331	0.006	3	260		NC	
189 Benzo[a]pyrene	252	15.431	15.430	0.001	75	1517384	8.00	4.74	
190 3-Methylcholanthrene	268		15.990					ND	U
191 Dibenz[a,h]acridine	279		16.952					ND	U
193 Indeno[1,2,3-cd]pyrene	276	17.432	17.430	0.002	97	1763837	8.00	4.53	a
194 Dibenz(a,h)anthracene	278	17.446	17.444	0.002	91	1532407	8.00	4.57	
195 Benzo[g,h,i]perylene	276	18.002	18.001	0.001	97	1556278	8.00	4.64	
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	
297 Fluorobenzene TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
219 Photomirex TIC	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
224 1-Bromopropane	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
238 Phenylacetic Acid	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
250 Pentachlorophenol_T	266		10.300					ND	
252 Benzidine_T	184	11.635	11.636	-0.001	98	62392		NR	
253 4,4'-DDE	246	11.811	11.818	-0.007	52	317		NR	
254 4,4'-DDD	235		12.190					ND	
255 4,4'-DDT	235	12.526	12.561	-0.035	58	656		NR	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			15.6	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1				0		8.00	7.86	
S 262 3 & 4 Methylphenol	108				0			7.86	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 15-Nov-2021 14:53:27

Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826671.D

Injection Date: 13-Nov-2021 03:15:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-191867-C-2-A MSD

Worklist Smp#: 8

Client ID: PZ03-01D

Injection Vol: 2.0 ul

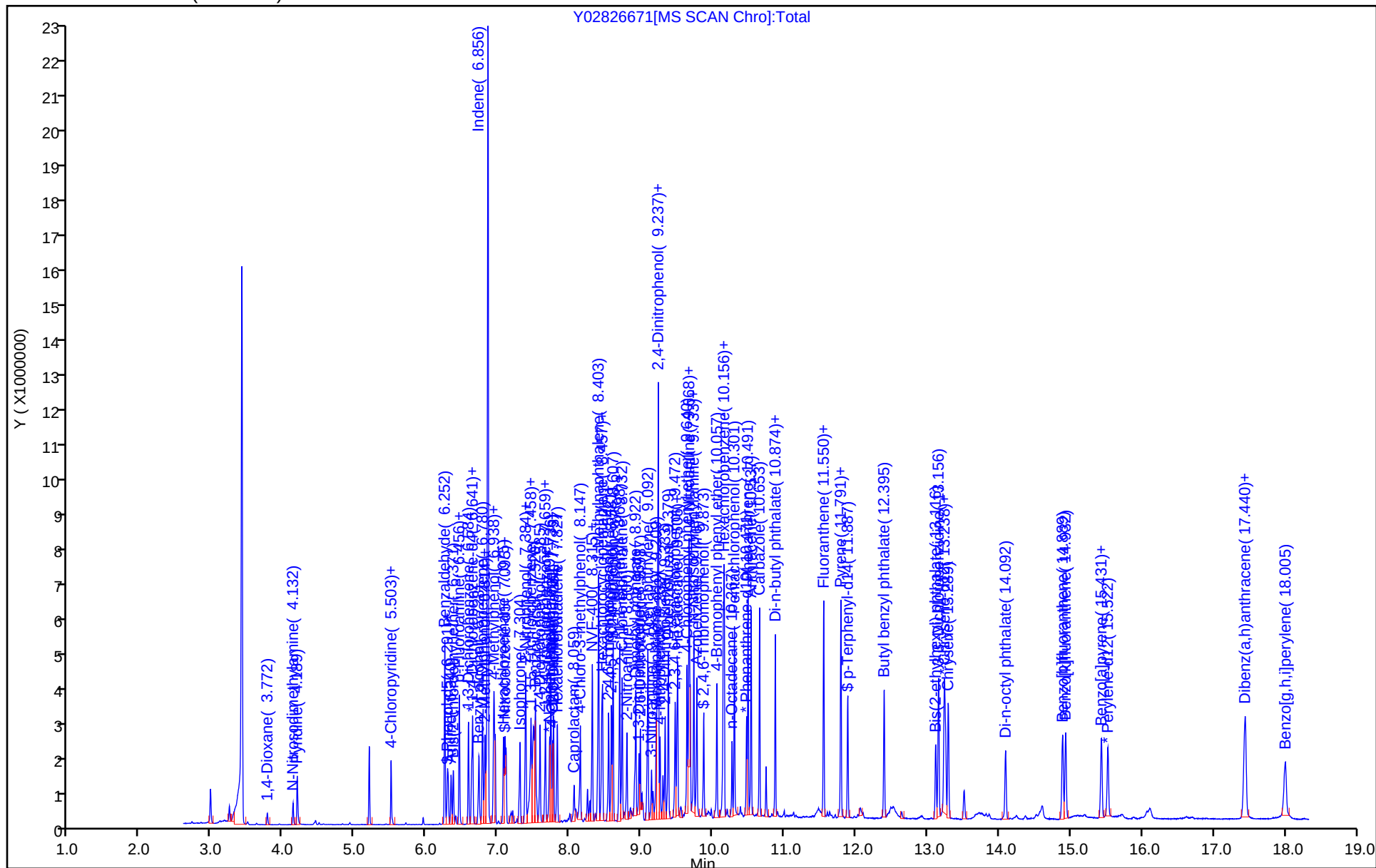
Dil. Factor: 1.0000

ALS Bottle#: 38

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

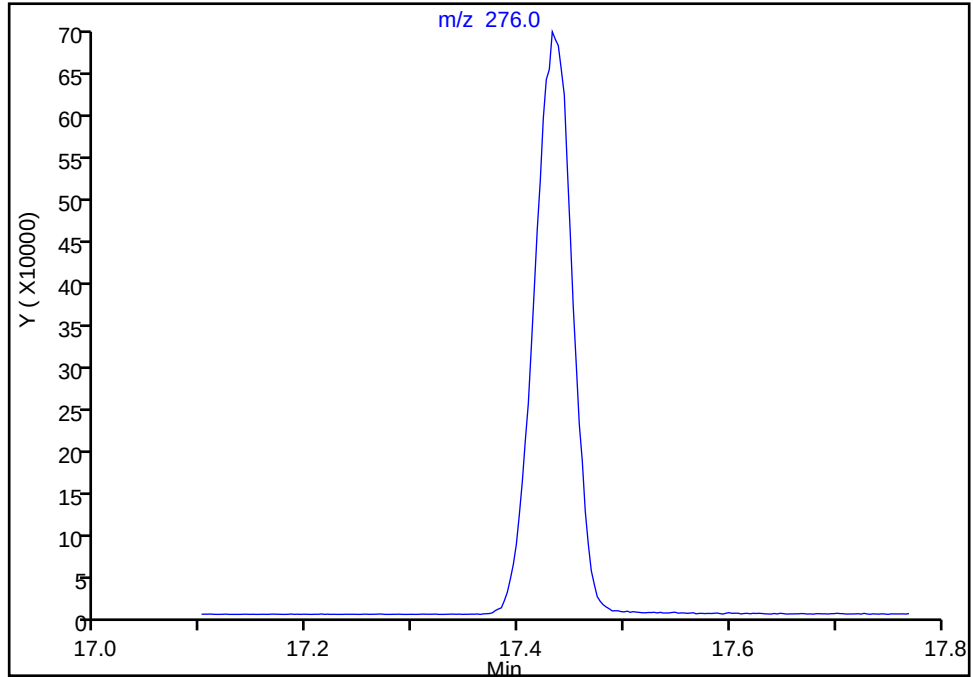
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102376.b\Y02826671.D
Injection Date: 13-Nov-2021 03:15:30 Instrument ID: HP5973Y
Lims ID: 480-191867-C-2-A MSD
Client ID: PZ03-01D
Operator ID: JM ALS Bottle#: 38 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

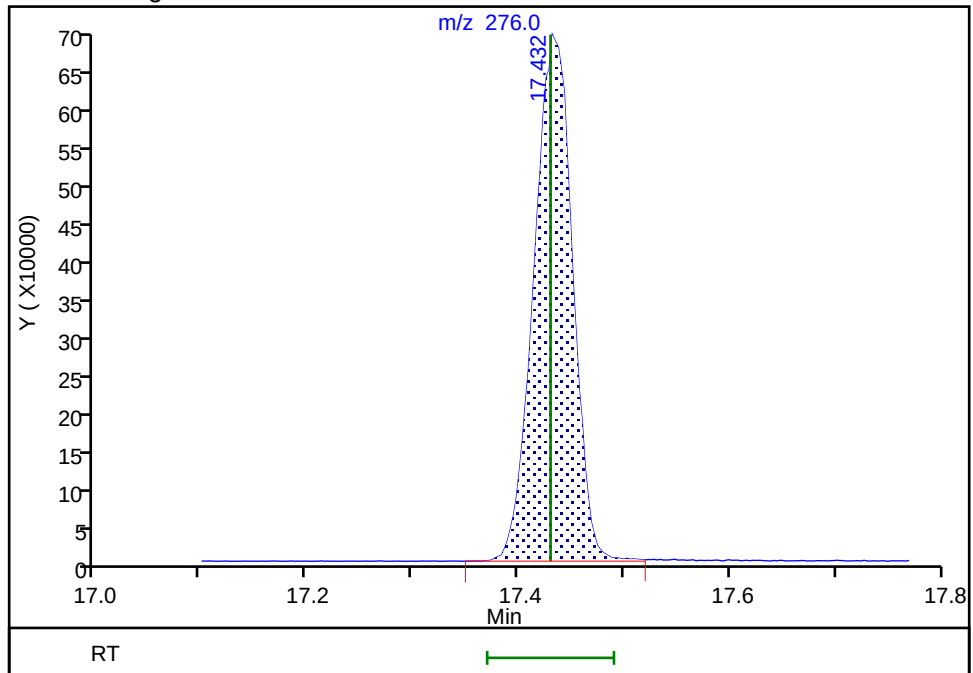
Not Detected
Expected RT: 17.43

Processing Integration Results



RT: 17.43
Area: 1763837
Amount: 4.531669
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 15-Nov-2021 14:22:33
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration
Page 775 of 807

11/16/2021

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-191867-1

SDG No.: _____

Instrument ID: HP5973YStart Date: 11/03/2021 10:17Analysis Batch Number: 603192End Date: 11/03/2021 19:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-603192/2		11/03/2021 10:17	1	Y02826378.D	RXI-5Sil MS 0.25 (mm)
IC 480-603192/3		11/03/2021 10:44	1	Y02826379.D	RXI-5Sil MS 0.25 (mm)
IC 480-603192/4		11/03/2021 11:11	1	Y02826380.D	RXI-5Sil MS 0.25 (mm)
IC 480-603192/5		11/03/2021 11:38	1	Y02826381.D	RXI-5Sil MS 0.25 (mm)
IC 480-603192/6		11/03/2021 12:05	1	Y02826382.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-603192/7		11/03/2021 12:32	1	Y02826383.D	RXI-5Sil MS 0.25 (mm)
IC 480-603192/8		11/03/2021 12:59	1	Y02826384.D	RXI-5Sil MS 0.25 (mm)
IC 480-603192/9		11/03/2021 13:26	1	Y02826385.D	RXI-5Sil MS 0.25 (mm)
IC 480-603192/10		11/03/2021 13:53	1	Y02826386.D	RXI-5Sil MS 0.25 (mm)
ICV 480-603192/11		11/03/2021 14:20	1		RXI-5Sil MS 0.25 (mm)
IC 480-603192/12		11/03/2021 15:15	1		RXI-5Sil MS 0.25 (mm)
IC 480-603192/13		11/03/2021 15:42	1		RXI-5Sil MS 0.25 (mm)
IC 480-603192/14		11/03/2021 16:09	1		RXI-5Sil MS 0.25 (mm)
IC 480-603192/15		11/03/2021 16:36	1		RXI-5Sil MS 0.25 (mm)
IC 480-603192/16		11/03/2021 17:03	1		RXI-5Sil MS 0.25 (mm)
IC 480-603192/17		11/03/2021 17:29	1		RXI-5Sil MS 0.25 (mm)
IC 480-603192/18		11/03/2021 17:56	1		RXI-5Sil MS 0.25 (mm)
ICV 480-603192/19		11/03/2021 18:23	1		RXI-5Sil MS 0.25 (mm)
ICV 480-603192/20		11/03/2021 18:50	1		RXI-5Sil MS 0.25 (mm)
CCVIS 480-603192/21		11/03/2021 19:17	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-191867-1

SDG No.: _____

Instrument ID: HP5973YStart Date: 11/11/2021 15:21Analysis Batch Number: 604439End Date: 11/12/2021 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-604439/2		11/11/2021 15:21	1	Y02826592.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-604439/3		11/11/2021 15:49	1	Y02826593.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2021 17:40	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2021 18:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2021 18:35	1		RXI-5Sil MS 0.25 (mm)
MB 480-603553/1-A		11/11/2021 19:57	1	Y02826602.D	RXI-5Sil MS 0.25 (mm)
LCS 480-603553/2-A		11/11/2021 20:24	1	Y02826603.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 02:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 02:47	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 03:15	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-191867-1

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.: 480-191867-1

SDG No.:

Instrument ID: HP5973Y

Start Date: 11/13/2021 00:31

Analysis Batch Number: 604662

End Date: 11/13/2021 10:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-604662/2		11/13/2021 00:31	1	Y02826665.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-604662/3		11/13/2021 00:58	1	Y02826666.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 01:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 02:20	1		RXI-5Sil MS 0.25 (mm)
480-191867-2 MS	PZ03-01D MS	11/13/2021 02:47	1	Y02826670.D	RXI-5Sil MS 0.25 (mm)
480-191867-2 MSD	PZ03-01D MSD	11/13/2021 03:15	1	Y02826671.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 03:42	1		RXI-5Sil MS 0.25 (mm)
480-191867-2	PZ03-01D	11/13/2021 04:09	1	Y02826673.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 04:36	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 05:04	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 05:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 05:58	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 06:26	1		RXI-5Sil MS 0.25 (mm)
480-191867-1	MW97-7	11/13/2021 06:53	1	Y02826679.D	RXI-5Sil MS 0.25 (mm)
480-191867-3	FD11022021	11/13/2021 07:20	1	Y02826680.D	RXI-5Sil MS 0.25 (mm)
480-191867-4	MW01-17S	11/13/2021 07:47	1	Y02826681.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 08:14	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 08:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 09:09	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 09:36	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 10:04	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 10:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/13/2021 10:58	20		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Batch Number: 603553 Batch Start Date: 11/05/21 07:10 Batch Analyst: Palermo, Stephan MBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8270LL LCS 00123
MB 480-603553/1		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	
LCS 480-603553/2		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-191867-B-2 MS	PZ03-01D	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-191867-C-2 MSD	PZ03-01D	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-191867-C-2	PZ03-01D	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191867-B-1	MW97-7	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191867-C-3	FD11022021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-191867-B-4	MW01-17S	3510C, 8270D	T	240 mL	1 mL	7 SU	<2 SU	>11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00086					
MB 480-603553/1		3510C, 8270D		1 mL					
LCS 480-603553/2		3510C, 8270D		1 mL					
480-191867-B-2 MS	PZ03-01D	3510C, 8270D	T	1 mL					
480-191867-C-2 MSD	PZ03-01D	3510C, 8270D	T	1 mL					
480-191867-C-2	PZ03-01D	3510C, 8270D	T	1 mL					
480-191867-B-1	MW97-7	3510C, 8270D	T	1 mL					
480-191867-C-3	FD11022021	3510C, 8270D	T	1 mL					
480-191867-B-4	MW01-17S	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.: 480-191867-1

SDG No.: _____

Batch Number: 603553 Batch Start Date: 11/05/21 07:10 Batch Analyst: Palermo, Stephan MBatch Method: 3510C Batch End Date: _____

Batch Notes	
Method/Fraction	3510C_LVI/8270D
Analyst ID - Extraction	SP
Analyst ID - Spike Analyst	SP
Analyst ID - Spike Witness Analyst	SP
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	6650797
Base Used to Adjust pH ID	6650804
Prep Solvent ID	6743630
Prep Solvent Volume Used	120 mL
Na2SO4 ID	6673813
Analyst ID - Concentration	SP, VF
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: 480-191867-1

SDG No.: _____

Project: NYSEG Groundwater Analysis - Binghamton,

Client Sample ID	Lab Sample ID
MW97-7	480-191867-1
PZ03-01D	480-191867-2
FD11022021	480-191867-3
MW01-17S	480-191867-4

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW97-7
Lab Name: Eurofins TestAmerica, Buffalo
SDG ID.:
Matrix: Water
Reporting Basis: WET

Lab Sample ID: 480-191867-1
Job No.: 480-191867-1
Date Sampled: 11/02/2021 11:50
Date Received: 11/04/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.013	0.010	0.0050	mg/L		B	1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PZ03-01D

Lab Sample ID: 480-191867-2

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-191867-1

SDG ID.:

Matrix: Water

Date Sampled: 11/02/2021 14:40

Reporting Basis: WET

Date Received: 11/04/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.015	0.010	0.0050	mg/L		B F1	1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: FD11022021

Lab Sample ID: 480-191867-3

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-191867-1

SDG ID.:

Matrix: Water

Date Sampled: 11/02/2021 00:00

Reporting Basis: WET

Date Received: 11/04/2021 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0050	mg/L		B	1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW01-17S Lab Sample ID: 480-191867-4
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1
SDG ID.:
Matrix: Water Date Sampled: 11/03/2021 13:00
Reporting Basis: WET Date Received: 11/04/2021 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.: 480-191867-1
SDG No.: _____
Analyst: CLT Batch Start Date: 11/15/2021
Reporting Units: mg/L Analytical Batch No.: 605025

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	14:13	Cyanide, Total	0.252	0.250	101	90-110		CN CCV_01590
2	CCB	14:15	Cyanide, Total	ND					
13	CCV	14:31	Cyanide, Total	0.252	0.250	101	90-110		CN CCV_01590
14	CCB	14:32	Cyanide, Total	ND					
25	CCV	14:48	Cyanide, Total	0.253	0.250	101	90-110		CN CCV_01590
26	CCB	14:49	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.: 480-191867-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 605025 Date: 11/15/2021 14:16 Prep Batch: 604979 Date: 11/15/2021 11:35							
9012B	MB 480-604979/1-A	Cyanide, Total	0.00840	J	mg/L	0.010	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 605025 Date: 11/15/2021 14:22 Prep Batch: 604979 Date: 11/15/2021 11:35											
9012B	480-191867-2	Cyanide, Total	0.015		mg/L						B F1
9012B	480-191867-2	Cyanide, Total	0.104		mg/L	0.100	89	90-110			F1
	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.: 480-191867-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 605025 Date: 11/15/2021 14:24 Prep Batch: 604979 Date: 11/15/2021 11:35											
9012B	480-191867-2	Cyanide, Total	0.104		mg/L	0.100	89	90-110	0	15	F1
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.: 480-191867-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 605025 Date: 11/15/2021 14:18 Prep Batch: 604979 Date: 11/15/2021 11:35											
LCS Source: CN LCS 250_00228											
9012B	LCS 480-604979/2-A	Cyanide, Total	0.240		mg/L	0.250	96	90-110			

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

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-191867-1
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: 480-191867-1
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.: 480-191867-1

SDG No.: _____

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-604979/1-A	11/15/2021 11:35	604979		6	6
LCS 480-604979/2-A	11/15/2021 11:35	604979		6	6
480-191867-2	11/15/2021 11:35	604979		6	6
480-191867-2 MS	11/15/2021 11:35	604979		6	6
480-191867-2 MSD	11/15/2021 11:35	604979		6	6
480-191867-1	11/15/2021 11:35	604979		6	6
480-191867-3	11/15/2021 11:35	604979		6	6
480-191867-4	11/15/2021 11:35	604979		6	6

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012B

Start Date: 11/15/2021 14:13 End Date: 11/15/2021 14:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C N																	
CCV 480-605025/1	1		14:13	X																	
CCB 480-605025/2	1		14:15	X																	
MB 480-604979/1-A	1	T	14:16	X																	
LCS 480-604979/2-A	1	T	14:18	X																	
ZZZZZZ			14:19																		
480-191867-2	1	T	14:21	X																	
480-191867-2 MS	1	T	14:22	X																	
480-191867-2 MSD	1	T	14:24	X																	
ZZZZZZ			14:25																		
ZZZZZZ			14:26																		
ZZZZZZ			14:28																		
ZZZZZZ			14:29																		
CCV 480-605025/13	1		14:31	X																	
CCB 480-605025/14	1		14:32	X																	
480-191867-1	1	T	14:34	X																	
480-191867-3	1	T	14:35	X																	
480-191867-4	1	T	14:36	X																	
ZZZZZZ			14:38																		
ZZZZZZ			14:39																		
ZZZZZZ			14:41																		
ZZZZZZ			14:42																		
ZZZZZZ			14:44																		
ZZZZZZ			14:45																		
ZZZZZZ			14:47																		
CCV 480-605025/25	1		14:48	X																	
CCB 480-605025/26	1		14:49	X																	
ZZZZZZ			14:51																		
ZZZZZZ			14:52																		
CCV 480-605025/29			14:54																		
CCB 480-605025/30			14:55																		

Prep Types

T = Total/NA

605025

Solutions:

Potassium Phosphate Buffer	6760425	Exp: 12/09/2021
Pyridine Barbituric Acid	6769773	Exp: 11/18/2021
Chloramine-T	6775712	Exp: 11/16/2021
50ppm INT STD	6775850	Exp: 11/22/2021
CN .25ppm CCV Std	6777327	Exp: 11/16/2021

LCS = 0.4mg/L, 0.25mg/L

CCV = 0.25mg/L

MS/MSD = 0.1mg/L

Cyanide Curve Lachat 2 : 11/15/2021

Curve Standard (50 ppm): 6775850

ICV (0.250 ppm): 604961/3

Original Run Filename: OM_11-15-2021_02-12-57PM.OMN Created: 11/15/2021 2:12:57 PM
 Original Run Author's Signature: [Buflachat2]
 Current Run Filename: OM_11-15-2021_02-12-57PM.OMN Last Modified: 11/15/2021 2:58:54 PM
 Current Run Author's Signature: [Buflachat2]
 Description: 10-204-00-1-A

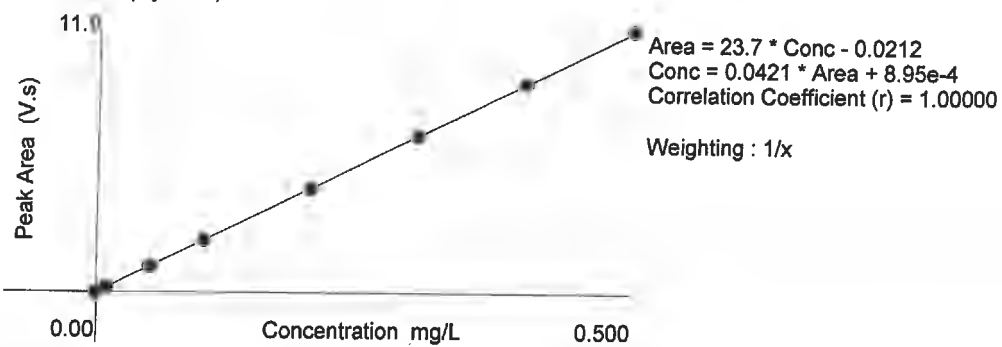
605025

Sample	Rep.	Cup No.	Channel 1			Detection Time
			Cyanide	Area	Height	
			Conc. (mg/L)	(V.s)	(V)	
CCV	1	S9	0.252	5.95	0.265	11/15/2021@2:13:54 PM
Known Conc:			0.250			
Calibration:			Table/Fig. : 1			
CCB	1	S10	-3.04e-4	-0.0285	-1.72e-3	11/15/2021@2:15:20 PM
Known Conc:			0.00			
MB 480-604979/1-A	1	1	8.40e-3	0.178	7.26e-3	11/15/2021@2:16:48 PM
LCS 480-604979/2-A	1	2	0.240	5.67	0.251	11/15/2021@2:18:15 PM
CCVL 480-604979/3-A	1	3	0.0955	2.24	0.100	11/15/2021@2:19:42 PM
480-191867-A-2-A	1	4	0.0153	0.341	0.0140	11/15/2021@2:21:09 PM
480-191867-A-2-B MS	1	5	0.104	2.45	0.109	11/15/2021@2:22:36 PM
480-191867-A-2-C MSD	1	6	0.104	2.44	0.107	11/15/2021@2:24:02 PM
480-191799-G-6-A	1	7	5.60e-3	0.112	4.09e-3	11/15/2021@2:25:29 PM
480-191802-E-4-A	1	8	2.93e-3	0.0482	2.55e-3	11/15/2021@2:26:55 PM
480-191802-E-5-A	1	9	2.15e-3	0.0298	1.76e-3	11/15/2021@2:28:22 PM
480-191802-E-6-A	1	10	3.03e-3	0.0507	2.54e-3	11/15/2021@2:29:48 PM
CCV	1	S9	0.252	5.97	0.267	11/15/2021@2:31:14 PM
Known Conc:			0.250			
CCB	1	S10	-1.01e-4	-0.0236	-9.68e-4	11/15/2021@2:32:40 PM
Known Conc:			0.00			
480-191867-A-1-A	1	11	0.0131	0.289	0.0120	11/15/2021@2:34:07 PM
480-191867-A-3-O	1	12	9.96e-3	0.215	8.63e-3	11/15/2021@2:35:32 PM
480-191867-A-4-A	1	13	2.85e-4	-0.0145	-1.41e-3	11/15/2021@2:36:58 PM
480-191881-F-1-A	1	14	3.65e-3	0.0654	2.95e-3	11/15/2021@2:38:24 PM
480-191881-F-2-A	1	15	4.64e-3	0.0888	3.99e-3	11/15/2021@2:39:50 PM
480-191881-F-3-A	1	16	6.52e-3	0.133	5.64e-3	11/15/2021@2:41:17 PM
480-191881-F-4-A	1	17	5.72e-3	0.114	3.85e-3	11/15/2021@2:42:44 PM
480-191881-F-5-A	1	18	2.31e-3	0.0335	1.57e-3	11/15/2021@2:44:12 PM
480-192028-B-2-A	1	19	2.48e-3	0.0377	1.92e-3	11/15/2021@2:45:39 PM
480-191784-A-2-A	1	20	0.0104	0.226	9.15e-3	11/15/2021@2:47:05 PM
CCV	1	S9	0.253	5.99	0.265	11/15/2021@2:48:32 PM
Known Conc:			0.250			
CCB	1	S10	2.19e-3	0.0308	8.92e-4	11/15/2021@2:49:58 PM
Known Conc:			0.00			
480-191897-E-2-A	1	21	6.87e-3	0.142	4.99e-3	11/15/2021@2:51:25 PM
480-191897-E-2-B MS	1	22	0.104	2.44	0.108	11/15/2021@2:52:51 PM
CCV	1	S9	0.254	6.00	0.265	11/15/2021@2:54:17 PM
Known Conc:			0.250			
CCB	1	S10	1.74e-4	-0.0171	-1.17e-3	11/15/2021@2:55:43 PM
Known Conc:			0.00			

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	11.9	0.527	0.0	-0.3	0.502	11/15/2021	11:05:54 AM
2	0.400	1	9.47	0.421	0.0	-0.1	0.400	11/15/2021	11:07:21 AM
3	0.300	1	7.07	0.313	0.0	0.4	0.299	11/15/2021	11:08:47 AM
4	0.200	1	4.69	0.209	0.0	0.7	0.199	11/15/2021	11:10:14 AM
5	0.100	1	2.36	0.105	0.0	-0.2	0.100	11/15/2021	11:11:42 AM
6	0.0500	1	1.16	0.0515	0.0	0.1	0.0499	11/15/2021	11:13:09 AM
7	0.0100	1	0.227	9.99e-3	0.0	-5.2	0.0105	11/15/2021	11:14:37 AM
8	0.00	1	-0.0310	-2.03e-3			-4.12e-4	11/15/2021	11:16:04 AM

Figure : 1 (Cyanide)



Original Run Filename: OM_11-15-2021_11-04-58AM.OMN Created: 11/15/2021 11:04:58 AM
 Original Run Author's Signature: [BufLachat2]
 Current Run Filename: OM_11-15-2021_11-04-58AM.OMN Last Modified: 11/15/2021 11:23:34 AM
 Current Run Author's Signature: [BufLachat2]
 Description: 10-204-00-1-A

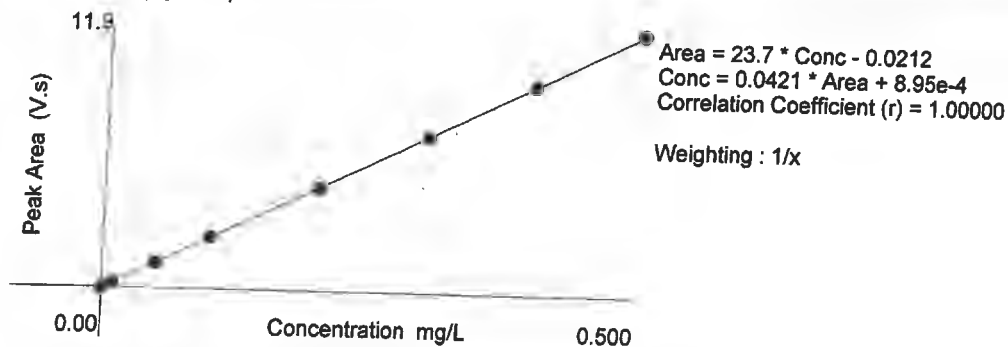
Sample	Rep.	Cup No.	Channel 1 Cyanide			Detection Time
			Conc. (mg/L)	Area (V.s)	Height (V)	
Cal Std 1 - 0.5	1	S1	0.500	11.9	0.527	11/15/2021 @ 11:05:54 AM
Cal Std 2 - 0.4	1	S2	0.400	9.47	0.421	11/15/2021 @ 11:07:21 AM
Cal Std 3 - 0.3	1	S3	0.300	7.07	0.313	11/15/2021 @ 11:08:47 AM
Cal Std 4 - 0.2	1	S4	0.200	4.69	0.209	11/15/2021 @ 11:10:14 AM
Cal Std 5 - 0.1	1	S5	0.100	2.36	0.105	11/15/2021 @ 11:11:42 AM
Cal Std 6 - 0.05	1	S6	0.0500	1.16	0.0515	11/15/2021 @ 11:13:09 AM
Cal Std 7 - 0.01	1	S7	0.0100	0.227	9.99e-3	11/15/2021 @ 11:14:37 AM
cal Std 8 - 0	1	S10	0.00	-0.0310	-2.03e-3	11/15/2021 @ 11:16:04 AM
icv	1	1	0.270	6.40	0.281	11/15/2021 @ 11:17:31 AM
Known Conc:			1.50			
Calibration:			Table/Fig. : 1			
icb	1	S10	-3.27e-4	-0.0290	-1.33e-3	11/15/2021 @ 11:18:57 AM
Known Conc:			100			
icvl	1	S7	0.0109	0.236	0.0101	11/15/2021 @ 11:20:25 AM
Known Conc:			0.00			

108% recovery

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	11.9	0.527	0.0	-0.3	0.502	11/15/2021	11:05:54 AM
2	0.400	1	9.47	0.421	0.0	-0.1	0.400	11/15/2021	11:07:21 AM
3	0.300	1	7.07	0.313	0.0	0.4	0.299	11/15/2021	11:08:47 AM
4	0.200	1	4.69	0.209	0.0	0.7	0.199	11/15/2021	11:10:14 AM
5	0.100	1	2.36	0.105	0.0	-0.2	0.100	11/15/2021	11:11:42 AM
6	0.0500	1	1.16	0.0515	0.0	0.1	0.0499	11/15/2021	11:13:09 AM
7	0.0100	1	0.227	9.99e-3	0.0	-5.2	0.0105	11/15/2021	11:14:37 AM
8	0.00	1	-0.0310	-2.03e-3			-4.12e-4	11/15/2021	11:16:04 AM

Figure : 1 (Cyanide)



Historical Data Summary Report

For Batch 605025

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Points	Dilution	Result	Fail 3-Sigma Limits	Fail Client Limits
480-191784-A-2-A	PS-SS1 GRAB	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0.052	☐ 0 - 0.043
480-191799-G-6-A	100067 SW-07	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	0.0056	☐ 0 - 0.008	☐ 0 - 0.007
480-191802-E-4-A	100039 MW-13B	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-191802-E-5-A	100113 MW-13A	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-191802-E-6-A	100114 MW-14A	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-191881-F-1-A	G127	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-191881-F-2-A	G128	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-191881-F-3-A	G129	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-191881-F-4-A	G140	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-191881-F-5-A	G145	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-191897-E-2-A	US-06D	9012B	Dissolved Cyanide	Dissolved	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0

604979

Analyst: RM Date: 11/15/21
 TALS Batch #: _____

TestAmerica BUFFALO
 Cyanide Micro-Distillation Logbook

Logbook # A20-30

Job #	Sample LD.	Dist. Flask	Sample Volume (mL)	Soil Weight (g)	Spike Volume	If Spiked Please Check:	Comments
MPB	Blank	1	6 ml				
LCS	0.250	2			6 mL	✓	
CCVL	0.100	3			6 mL	✓	
191867	A2	4					
I	A2 MS	5			60 uL	✓	
I	A2 MSD	6			60 uL	✓	
91799	G6	7					
91802	E4	8					
I	F5	9					
I	E6	10					
191867	A1	11					
I	A3	12					
I	A4	13					
191881	F1	14					
I	F2	15					
I	F3	16					
I	F4	17					
I	F5	18					
192028	B2	19					
191784	A2	20					
191897	E2	21					
I	E2 MS	22			60 uL	✓	

Time: _____
 Date: _____
 Initials: ✓

0.400 mg/L Complex CN LCS: _____
 0.250 mg/L Complex CN LCS: 6775873
 0.100 mg/L Free CN CCVL: 6776874
 10 ppm Complex CN MS: 6775873
 10 ppm Free CN MS: _____
 ERA Soil Lot: _____

1.0 N NaOH: _____
 7.11M H₂SO₄ / 0.79M MgCl₂: _____
 H₂NSO₃: 6778174
 NaCH₃COO: _____
 ZnCH₃COO: _____

Block C: Set Temp. (°C): 135 Measured Start Temp. (°C): 135 Measured End Temp. (°C): 135

ON: 11:36
 OFF: 12:00
 Reviewed By: RM Date: 11/15/21

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Batch Number: 604979 Batch Start Date: 11/15/21 11:35 Batch Analyst: Mooney, Ryan JBatch Method: 9012B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	10ppm CN MS 00205	CN LCS 250 00228		
MB 480-604979/1		9012B, 9012B		6 mL	6 mL				
LCS 480-604979/2		9012B, 9012B		6 mL	6 mL		6 mL		
480-191867-A-2	PZ03-01D	9012B, 9012B	T	6 mL	6 mL				
480-191867-A-2 MS	PZ03-01D	9012B, 9012B	T	6 mL	6 mL	60 uL			
480-191867-A-2 MSD	PZ03-01D	9012B, 9012B	T	6 mL	6 mL	60 uL			
480-191867-A-1	MW97-7	9012B, 9012B	T	6 mL	6 mL				
480-191867-A-3	FD11022021	9012B, 9012B	T	6 mL	6 mL				
480-191867-A-4	MW01-17S	9012B, 9012B	T	6 mL	6 mL				

Batch Notes	
Distillation Start Time	11/15/2021 11:30
Distillation End Time	11/15/2021 12:00
Chlorination Start Time	11/15/2021 11:30
Chlorination End Time	11/15/2021 12:00

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-191867-1

SDG No.: _____

Batch Number: 605025 Batch Start Date: 11/15/21 14:13 Batch Analyst: Thomas, Christine LBatch Method: 9012B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CN CCV 01590			
CCV 480-605025/1		9012B		5 mL	5 mL	# mL			
CCB 480-605025/2		9012B		5 mL	5 mL				
MB 480-604979/1-A		9012B		5 mL	5 mL				
LCS 480-604979/2-A		9012B		5 mL	5 mL				
480-191867-A-2-A	PZ03-01D	9012B	T	5 mL	5 mL				
480-191867-A-2-B MS	PZ03-01D	9012B	T	5 mL	5 mL				
480-191867-A-2-C MSD	PZ03-01D	9012B	T	5 mL	5 mL				
CCV 480-605025/13		9012B		5 mL	5 mL	# mL			
CCB 480-605025/14		9012B		5 mL	5 mL				
480-191867-A-1-A	MW97-7	9012B	T	5 mL	5 mL				
480-191867-A-3-A	FD11022021	9012B	T	5 mL	5 mL				
480-191867-A-4-A	MW01-17S	9012B	T	5 mL	5 mL				
CCV 480-605025/25		9012B		5 mL	5 mL	# mL			
CCB 480-605025/26		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.

9012B

Page 1 of 1

Shipping and Receiving Documents

Environment Testing America

31

11/16/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-191867-1

Login Number: 191867

List Number: 1

Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

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	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Attachment 7

Date Usability Summary Report

NYSEG Binghamton Court Street Site

Data Usability Summary Report

Binghamton, New York

Volatile Organic Compound (VOC), Semi-volatile Organic Compound (SVOC), and Cyanide Analyses

SDG # 480-191867-1

Analyses Performed By:
Eurofins TestAmerica
Buffalo, New York, USA

Report #43634R
Review Level: Tier III
Project: 30101107.00030

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) # 480-191867-1 for samples collected in association with the NYSEG Binghamton Court Street Site, NY. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	SVOC	CN
MW97-7	480-191867-1	Water	11/02/2021		X	X	X
PZ03-01D	480-191867-2	Water	11/02/2021		X	X	X
FD11022021	480-191867-3	Water	11/02/2021	PZ03-01D	X	X	X
MW01-17S	480-191867-4	Water	11/03/2021		X	X	X
TRIP BLANK	480-191867-5	Water	11/02/2021		X		

Notes:

VOC = Volatile Organic Compounds

SVOC = Semi-volatile Organic Compounds

CN = Cyanide analysis

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:

QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C and 8270D. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate and applicable Region II SOPs. USEPA NFGs and Region II SOPs were followed for qualification purposes.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times/Preservation

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u. with hydrochloric acid

Note:

s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample PZ03-01D exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result (µg/l)	Duplicate Result (µg/l)	RPD
PZ03-01D / FD11022021	Benzene	43	48	11%

The calculated RPD between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)						
Tier II Validation						
Holding times/Preservation		X		X		
Reporting limits (units)		X		X		
Blanks						
A. Method blanks		X		X		
B. Equipment blanks	X				X	
C. Trip blanks		X		X		
Laboratory Control Sample (LCS) %R		X		X		
Laboratory Control Sample Duplicate (LCSD) %R	X				X	
LCS/LCSD Precision (RPD)	X				X	
Matrix Spike (MS) %R		X		X		
Matrix Spike Duplicate (MSD) %R		X		X		
MS/MSD Precision (RPD)		X		X		
Field/Lab Duplicate (RPD)		X		X		
Surrogate Spike Recoveries		X		X		
Dilution Factor		X		X		
Moisture Content	X				X	
Tier III Validation						
System performance and column resolution		X		X		
Initial calibration %RSDs		X		X		
Continuing calibration RRFs		X		X		

Data Review Report

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
 %R Percent recovery
 RPD Relative percent difference
 %D Percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270D	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample PZ03-01D exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compounds	Sample Result (µg/l)	Duplicate Result (µg/l)	RPD
PZ03-01D / FD11022021	Acenaphthene	41	47	14%
	Fluorene	5.4	6.4	AC
	Naphthalene	1.4 J	1.6 J	AC
	Phenanthrene	0.81 J	1.0 J	AC
	Pyrene	0.62 J	0.70 J	AC

Note:

AC = Acceptable

The results and calculated RPD between the parent sample and field duplicate were acceptable

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)						
Tier II Validation						
Holding times		X		X		
Reporting limits (units)		X		X		
Blanks						
A. Method blanks		X		X		
B. Equipment blanks	X				X	
Laboratory Control Sample (LCS) %R		X		X		
Laboratory Control Sample Duplicate (LCSD) %R	X				X	
LCS/LCSD Precision (RPD)	X				X	
Matrix Spike (MS) %R		X		X		
Matrix Spike Duplicate (MSD) %R		X		X		
MS/MSD Precision (RPD)		X		X		
Field/Lab Duplicate (RPD)		X		X		
Surrogate Spike Recoveries		X		X		
Dilution Factor		X		X		
Moisture Content	X				X	
Tier III Validation						
System performance and column resolution		X		X		
Initial calibration %RSDs		X		X		
Continuing calibration RRFs		X		X		
Continuing calibration %Ds		X		X		
Instrument tune and performance check		X		X		
Ion abundance criteria for each instrument used		X		X		

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency USEPA Method 9012B. Data were reviewed in accordance with USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA 542-R-20-006, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-04-004, October 2004), as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
 - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
 - E The reported value is estimated due to the presence of interference.
 - N Spiked sample recovery is not within control limits.
 - * Duplicate analysis is not within control limits.
- Validation Qualifiers
 - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
 - UB Analyte considered non-detect at the listed value due to associated blank contamination.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

General Chemistry Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Total Cyanide by SW-846 9012B	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of greater than 12 with NaOH.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All analytes associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the analytes listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) from the data. Sample results less than the BAL associated with the following samples were qualified as listed in the following table.

Sample ID	Analyte	Sample Result	Qualification
MW97-7 PZ03-01D FD11022021	Total Cyanide (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration

Notes:

MB = Method blank

RL = reporting limit

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis performed on sample PZ03-01D exhibited recoveries and RPD within the control limits.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices and two times the RL for soil matrices.

MS/MSD analysis performed in replacement of the laboratory duplicate analysis. The MS/MSD recoveries exhibited acceptable RPD.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
PZ03-01D / FD11022021	Total Cyanide	U	U	AC

Note:

AC = Acceptable

The result between the parent sample and field duplicate were acceptable.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for General Chemistry

General Chemistry: SW-846 9012B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X	X		
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
Transcription/calculations acceptable		X		X	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%R Percent recovery

RPD Relative percent difference

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹			Noncompliance
					VOC	SVOC	CN	
480-191867-1	11/02/2021	SW846	MW97-7	Water	yes	yes	no	Cyanide – blank contamination
	11/02/2021	SW846	PZ03-01D	Water	yes	yes	no	Cyanide – blank contamination
	11/02/2021	SW846	FD11022021	Water	yes	yes	no	Cyanide – blank contamination
	11/03/2021	SW846	MW01-17S	Water	yes	yes	yes	--
	11/02/2021	SW846	TRIP BLANK	Water	yes	--	--	--

Note:

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant, or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

DATA USABILITY SUMMARY REPORT

VALIDATION PERFORMED BY: Pruthvi Kumar C

SIGNATURE:



DATE: December 06, 2021

PEER REVIEW: Andrew Korycinski

DATE: December 6, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: MW97-7

Lab Sample ID: 480-191867-1

Date Collected: 11/02/21 11:50

Matrix: Water

Date Received: 11/04/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.5		1.0	0.41	ug/L			11/08/21 15:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 15:17	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 15:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					11/08/21 15:17	1
4-Bromofluorobenzene (Surr)	103		73 - 120					11/08/21 15:17	1
Dibromofluoromethane (Surr)	108		75 - 123					11/08/21 15:17	1
Toluene-d8 (Surr)	103		80 - 120					11/08/21 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.5	J	5.0	0.41	ug/L		11/05/21 07:11	11/13/21 06:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/05/21 07:11	11/13/21 06:53	1
Anthracene	ND		5.0	0.28	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/05/21 07:11	11/13/21 06:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/05/21 07:11	11/13/21 06:53	1
Chrysene	ND		5.0	0.33	ug/L		11/05/21 07:11	11/13/21 06:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/05/21 07:11	11/13/21 06:53	1
Fluoranthene	ND		5.0	0.40	ug/L		11/05/21 07:11	11/13/21 06:53	1
Fluorene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 06:53	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 06:53	1
Naphthalene	ND		5.0	0.76	ug/L		11/05/21 07:11	11/13/21 06:53	1
Phenanthrene	ND		5.0	0.44	ug/L		11/05/21 07:11	11/13/21 06:53	1
Pyrene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 06:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	106		48 - 120				11/05/21 07:11	11/13/21 06:53	1
Nitrobenzene-d5 (Surr)	94		46 - 120				11/05/21 07:11	11/13/21 06:53	1
p-Terphenyl-d14 (Surr)	84		60 - 148				11/05/21 07:11	11/13/21 06:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.013	~~B~~ UB	0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:34	1

Client Sample ID: PZ03-01D

Lab Sample ID: 480-191867-2

Date Collected: 11/02/21 14:40

Matrix: Water

Date Received: 11/04/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	43		1.0	0.41	ug/L			11/08/21 15:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 15:40	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 15:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 15:40	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: PZ03-01D

Lab Sample ID: 480-191867-2

Date Collected: 11/02/21 14:40

Matrix: Water

Date Received: 11/04/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		11/08/21 15:40	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/08/21 15:40	1
Dibromofluoromethane (Surr)	103		75 - 123		11/08/21 15:40	1
Toluene-d8 (Surr)	101		80 - 120		11/08/21 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	41		5.0	0.41	ug/L		11/05/21 07:11	11/13/21 04:09	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/05/21 07:11	11/13/21 04:09	1
Anthracene	ND		5.0	0.28	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/05/21 07:11	11/13/21 04:09	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/05/21 07:11	11/13/21 04:09	1
Chrysene	ND		5.0	0.33	ug/L		11/05/21 07:11	11/13/21 04:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/05/21 07:11	11/13/21 04:09	1
Fluoranthene	ND		5.0	0.40	ug/L		11/05/21 07:11	11/13/21 04:09	1
Fluorene	5.4		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 04:09	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 04:09	1
Naphthalene	1.4	J	5.0	0.76	ug/L		11/05/21 07:11	11/13/21 04:09	1
Phenanthrene	0.81	J	5.0	0.44	ug/L		11/05/21 07:11	11/13/21 04:09	1
Pyrene	0.62	J	5.0	0.34	ug/L		11/05/21 07:11	11/13/21 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	110		48 - 120	11/05/21 07:11	11/13/21 04:09	1
Nitrobenzene-d5 (Surr)	96		46 - 120	11/05/21 07:11	11/13/21 04:09	1
p-Terphenyl-d14 (Surr)	92		60 - 148	11/05/21 07:11	11/13/21 04:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.015	B F1 UB	0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:21	1

Client Sample ID: FD11022021

Lab Sample ID: 480-191867-3

Date Collected: 11/02/21 00:00

Matrix: Water

Date Received: 11/04/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	48		1.0	0.41	ug/L			11/08/21 16:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 16:03	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 16:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		77 - 120		11/08/21 16:03	1
4-Bromofluorobenzene (Surr)	102		73 - 120		11/08/21 16:03	1
Dibromofluoromethane (Surr)	104		75 - 123		11/08/21 16:03	1
Toluene-d8 (Surr)	102		80 - 120		11/08/21 16:03	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: FD11022021

Lab Sample ID: 480-191867-3

Date Collected: 11/02/21 00:00

Matrix: Water

Date Received: 11/04/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	47		5.0	0.41	ug/L		11/05/21 07:11	11/13/21 07:20	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/05/21 07:11	11/13/21 07:20	1
Anthracene	ND		5.0	0.28	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/05/21 07:11	11/13/21 07:20	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/05/21 07:11	11/13/21 07:20	1
Chrysene	ND		5.0	0.33	ug/L		11/05/21 07:11	11/13/21 07:20	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/05/21 07:11	11/13/21 07:20	1
Fluoranthene	ND		5.0	0.40	ug/L		11/05/21 07:11	11/13/21 07:20	1
Fluorene	6.4		5.0	0.36	ug/L		11/05/21 07:11	11/13/21 07:20	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/05/21 07:11	11/13/21 07:20	1
Naphthalene	1.6 J		5.0	0.76	ug/L		11/05/21 07:11	11/13/21 07:20	1
Phenanthrene	1.0 J		5.0	0.44	ug/L		11/05/21 07:11	11/13/21 07:20	1
Pyrene	0.70 J		5.0	0.34	ug/L		11/05/21 07:11	11/13/21 07:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	111		48 - 120				11/05/21 07:11	11/13/21 07:20	1
Nitrobenzene-d5 (Surr)	98		46 - 120				11/05/21 07:11	11/13/21 07:20	1
p-Terphenyl-d14 (Surr)	84		60 - 148				11/05/21 07:11	11/13/21 07:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	B UB	0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:35	1

Client Sample ID: MW01-17S

Lab Sample ID: 480-191867-4

Date Collected: 11/03/21 13:00

Matrix: Water

Date Received: 11/04/21 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			11/08/21 16:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 16:26	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 16:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120					11/08/21 16:26	1
4-Bromofluorobenzene (Surr)	106		73 - 120					11/08/21 16:26	1
Dibromofluoromethane (Surr)	107		75 - 123					11/08/21 16:26	1
Toluene-d8 (Surr)	105		80 - 120					11/08/21 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2	0.43	ug/L		11/05/21 07:11	11/13/21 07:47	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/05/21 07:11	11/13/21 07:47	1
Anthracene	ND		5.2	0.29	ug/L		11/05/21 07:11	11/13/21 07:47	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/05/21 07:11	11/13/21 07:47	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/05/21 07:11	11/13/21 07:47	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/05/21 07:11	11/13/21 07:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG Groundwater Analysis - Binghamton,

Job ID: 480-191867-1

Client Sample ID: MW01-17S

Lab Sample ID: 480-191867-4

Date Collected: 11/03/21 13:00

Matrix: Water

Date Received: 11/04/21 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		5.2	0.36	ug/L		11/05/21 07:11	11/13/21 07:47	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/05/21 07:11	11/13/21 07:47	1
Chrysene	ND		5.2	0.34	ug/L		11/05/21 07:11	11/13/21 07:47	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/05/21 07:11	11/13/21 07:47	1
Fluoranthene	ND		5.2	0.42	ug/L		11/05/21 07:11	11/13/21 07:47	1
Fluorene	ND		5.2	0.38	ug/L		11/05/21 07:11	11/13/21 07:47	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/05/21 07:11	11/13/21 07:47	1
Naphthalene	ND		5.2	0.79	ug/L		11/05/21 07:11	11/13/21 07:47	1
Phenanthrene	ND		5.2	0.46	ug/L		11/05/21 07:11	11/13/21 07:47	1
Pyrene	ND		5.2	0.35	ug/L		11/05/21 07:11	11/13/21 07:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	114		48 - 120	11/05/21 07:11	11/13/21 07:47	1
Nitrobenzene-d5 (Surr)	101		46 - 120	11/05/21 07:11	11/13/21 07:47	1
p-Terphenyl-d14 (Surr)	79		60 - 148	11/05/21 07:11	11/13/21 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/15/21 11:35	11/15/21 14:36	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-191867-5

Date Collected: 11/02/21 00:00

Matrix: Water

Date Received: 11/04/21 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			11/08/21 16:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/21 16:49	1
Toluene	ND		1.0	0.51	ug/L			11/08/21 16:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/21 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		11/08/21 16:49	1
4-Bromofluorobenzene (Surr)	106		73 - 120		11/08/21 16:49	1
Dibromofluoromethane (Surr)	111		75 - 123		11/08/21 16:49	1
Toluene-d8 (Surr)	105		80 - 120		11/08/21 16:49	1

Attachment 8

Site Inspection Form

Binghamton (Court Street) Former MGP Site

Binghamton, Broome County, New York

Site-Wide Inspection Form

Date: November 2, 2021

Personnel: J. Bistrovich, R. Graziano

Time of Arrival: 12:00 PM

Time of Departure: 2:00 PM

Weather Conditions: Cloudy, little wind

Temperature: 45 F

Wind Speed: <10 mph

Wind Direction (from): WSW

Inspection Checklist	Yes	No	Comments
Cover System			
Intrusive Activities Being Performed?			
- Trenching?		X	
- Excavation?		X	
- Tunneling?		X	
- Saw cutting?		X	
Signs of Previous Intrusive Activities Performed?			
- New drainage feature?		X	
- Evidence of a new underground utility?		X	
- New grass/vegetation/asphalt?		X	
- Other (e.g., cracking, potholes, depressions)		X	Site cover intact and functioning, some water filled depressions present
Monitoring Well Condition			
Groundwater monitoring needs to be performed this year?	X		Yes at wells, PZ-03-01-D, MW-97-7, & MW-01-17-S
Covers secure?	X		Well repair and redevelopment activities completed prior to sampling/gauging.
Casing in need of repair?		X	Well repair and redevelopment activities completed prior to sampling/gauging.
Concrete surface seal intact?	X		Well repair and redevelopment activities completed prior to sampling/gauging.
Settling in area around well?		X	Well repair and redevelopment activities completed prior to sampling/gauging.
Well obstructed?		X	Well repair and redevelopment activities completed prior to sampling/gauging.
Ponded water above well?		X	
Well screen silted in?		X	Well repair and redevelopment activities completed prior to sampling/gauging.
Well in need of redevelopment?		X	Well repair and redevelopment activities completed prior to sampling/gauging.

General Comments/Suggested Action Items:

Well repair and redevelopment activities were completed at all wells included as part of the well network, All well locations and elevations were resurveyed following repair activities.