Fourth Quarter 2020
Groundwater Monitoring Report
Patchogue Former MGP Site
NYSDEC Site No. 1-52-182
Village of Patchogue, Suffolk County, New York

Prepared for

National Grid USA, Hicksville, New York

March 18, 2021

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List of Abbreviations

BC	Brown and Caldwell Associates
BTEX	Benzene, Toluene, Ethylbenzene and Isomers of Xylene
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
FER	Final Engineering Report
ISS	In-Situ Solidification
Lancaster	Eurofins Lancaster Laboratories Environmental
MGP	Manufactured Gas Plant
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MTBE	Methyl tertiary-butyl ether
NAPL	Non-Aqueous Phase Liquid
NYCRR	New York State Code of Rules and Regulations
NYSDEC	New York Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAHs	Polycyclic Aromatic Hydrocarbons
QA/QC	Quality Assurance/Quality Control
Site	Patchogue Former MGP Site
TOGS	Technical and Operational Guidance Series
µg/L	micrograms per liter
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey

Section 1

Introduction

This Groundwater Monitoring Report documents the implementation and summarizes the results of the groundwater monitoring activities conducted during the fourth quarter of 2020 at the Patchogue Former Manufactured Gas Plant (MGP) Site (hereinafter referred to as the "Site"). This monitoring event is the fourth to be conducted after completion of remedy implementation in the fourth quarter 2019. The groundwater monitoring activities included the performance of water level measurements, non-aqueous phase liquid (NAPL) gauging and groundwater sampling activities.

The groundwater monitoring event and the preparation of this report are part of the long-term groundwater monitoring program being conducted at the Site in accordance with the "100% Remedial Design Report" (Brown and Caldwell Associates (BC), May 2019) as modified by subsequent email correspondence between National Grid and the New York State Department of Environmental Conservation (NYSDEC). Remedial construction activities were substantially completed in 2019 and site restoration activities were completed in Summer 2020. This report has been prepared for submittal to the NYSDEC and includes the following:

- Description of the scope of the field activities, methods, and procedures;
- Table summarizing the results of the water level measurements and the gauging for the presence of NAPL in the monitoring wells (Table 1);
- Table summarizing the analytical results for the groundwater samples obtained during the December 2020 monitoring event including a comparison to the applicable groundwater quality criteria (Table 2);
- Comparison of data from this monitoring period to data from historical monitoring events (Tables 3 and 4);
- Discussion of the results and findings from the groundwater monitoring data;
- A water table elevation contour map depicting the generalized direction of groundwater flow based on groundwater elevation data obtained from monitoring wells (Figure 1);
- Field Sampling Data Sheets (Appendix A);
- Laboratory Data Report (Appendix B);
- Data Validator Qualifications (Appendix C);
- Data Usability Summary Report (DUSR) (Appendix D);
- Evaluation of Potential Impact to River from Site Constituents in Groundwater – December 2020 Data (Appendix E).
- Evaluation of Potential Impact to River from Site Constituents in Groundwater – March, June, and September 2020 Data (Appendix F); and
- Evaluation of Potential Impact to River from Increased pH Levels in Groundwater – December 2020 Data (Appendix G).

1.1 Background

This report presents the results and findings associated with the December 2020 groundwater monitoring event, which is the fourth such event conducted following implementation of the Site remedy. Groundwater conditions prior to remedy implementation are documented and discussed in previous groundwater monitoring reports dating back to 2009 and in the "Final Remedial Investigation Report for the Patchogue Former MGP Site" (Tetra Tech EC, Inc., December 2009). Remedial construction activities, which included in-situ solidification (ISS) of MGP-related source materials and associated soils, were performed during the period from June through December 2019. Final site restoration efforts were completed in the Summer of 2020. At the end of 2018, groundwater monitoring was suspended to allow for remedial construction activities. Several monitoring wells and piezometers were decommissioned prior to remedial construction activities to facilitate remedy implementation. These wells included MW-5, MW-6, MW-9S, MW-9D, and PZ-1A through PZ-4A. Each well/piezometer was decommissioned in accordance with NYSDEC's guidance document "CP-43: Groundwater Monitoring Well Decommissioning Policy". A description of the decommissioning activities, as well as field inspection logs and well decommissioning records, will be provided under separate cover in the Final Engineering Report (FER).

Prior to resumption of groundwater monitoring following remedial construction activities, five monitoring well couplets (MW-10S/D through MW-14S/D) were installed in January 2020 to facilitate performance of a long-term groundwater monitoring program at the Site. These additions to the well network were installed in accordance with the "100% Remedial Design Report" (BC, May 2019) and as modified by subsequent email correspondence between National Grid and the NYSDEC. These wells are supplemental to existing wells MW-1, MW-3, MW-4S/D, MW-7S/D, and MW-8S/D, which serve as site perimeter monitoring locations. The well couplets were installed to provide additional well coverage for post-remediation groundwater quality monitoring at locations positioned around the ISS mass, and at locations between the ISS mass and the Patchogue River. The screens of the monitoring wells provide coverage across the vertical extent of the ISS mass. A description of the well installation activities and monitoring well construction logs for the well couplets installed in January 2020 couplets will be provided in the FER.

Groundwater monitoring prior to remedy implementation was conducted on a semi-annual basis; however, the sampling frequency was temporarily increased to quarterly to evaluate the effectiveness of the remedy for Calendar Year 2020. As described in Section 4, based on the results of the 2020 quarterly monitoring activities, recommendations are made to reduce the sampling frequency as well as the number of sampling locations for Calendar Year 2021.

Section 2

Scope of Work

Field activities for the fourth quarter 2020 groundwater monitoring were conducted by BC from December 28 through December 30, 2020. The activities conducted during this monitoring event are described below. Locations of the monitoring wells and staff gauge referenced below are depicted on Figure 1.

Prior to groundwater sampling, water level measurements and NAPL gauging was performed in the monitoring wells associated with the Site. The level of the Patchogue River was measured during the December 2020 sampling event from surface water elevation control points SG-1 and SG-2. Water level measurements and NAPL gauging were conducted using an electronic oil/water interface probe; measurements were made to the nearest 0.01 foot.

Groundwater sampling was conducted at 18 monitoring wells (MW-1, MW-3, well couplets MW-4S/D, MW-7S/D and MW-8S/D; and well couplets MW-10S/D through MW-14S/D) following the water level and NAPL gauging activities using low flow purging and sampling techniques in accordance with the United States Environmental Protection Agency (USEPA) protocol (USEPA, July 1996, Revised September 2017). Samples were submitted to Eurofins Lancaster Laboratories Environmental (Lancaster) located in Lancaster, Pennsylvania. Lancaster is certified (Certification No. 10670) through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

The groundwater samples were analyzed for: benzene, toluene, ethylbenzene, and isomers of xylene (BTEX) compounds and methyl tertiary-butyl ether (MTBE) using USEPA SW-846 Method 8260C, and polycyclic aromatic hydrocarbons (PAHs) using USEPA SW-846 Method 8270D. The groundwater samples were also analyzed in the field for pH, specific conductivity, temperature, turbidity, oxidation-reduction potential, and dissolved oxygen (see Appendix A for field data sheets).

The laboratory report from Lancaster is provided in Appendix B. Laboratory analytical data were provided to BC in electronic form by Lancaster and have been incorporated into the environmental database maintained by BC for the Site.

In addition to the samples described above, quality assurance/quality control (QA/QC) samples were also collected. The QA/QC samples included: trip blanks (one per cooler containing samples for BTEX and MTBE analysis), a field duplicate, and an equipment blank. Also, extra sample volume was collected from one location to provide for matrix spike/matrix spike duplicate (MS/MSD) analysis. The trip blank sample was analyzed for BTEX and MTBE only. The other QA/QC samples were analyzed for BTEX, MTBE, and PAHs.

The groundwater analytical data packages were validated by Jaclyn Lauer of BC. Ms. Lauer's qualifications and experience as a data validator are included in Appendix C. A DUSR was prepared for the groundwater data packages (see Appendix D). Overall, the analytical data for the groundwater monitoring were determined to be usable for the intended purposes and none of the data was rejected.

Section 3

Results and Findings

3.1 Water Level Data

Table 1 provides the water level data and calculated water elevations from the December 2020 measurements. Figure 1 illustrates the elevation contours of the water table based on these data. The contours were developed using water level elevation data from the shallow monitoring wells (i.e., those with screens that straddle, or are just below, the water table) considered representative of the water table, and the staff gauges in the Patchogue River. The groundwater elevation (hydraulic head) values for the wells screened in deeper intervals are also posted for reference on Figure 1. The water table is relatively shallow and is typically positioned in the fill that overlies the native alluvial deposits and outwash deposits and that overlies the ISS mass. The water table contours indicate that lateral groundwater flow is from the northwest to the south and southeast across the Site toward the Patchogue River.

3.2 NAPL Gauging

Table 1 presents the results of the NAPL gauging conducted in the monitoring wells associated with the Site during the September 2020 groundwater monitoring event. NAPL was not identified in any of the site monitoring wells during the December 2020 gauging activities.

3.3 Groundwater Quality Data

Table 2 provides the results of the laboratory analyses of the groundwater samples collected during the December 2020 monitoring event and a comparison of the data to the New York State Class GA groundwater quality criteria (i.e., New York State Codes, Rules and Regulations (NYCRR) Part 703 groundwater standards for Class GA water (groundwater) or, for constituents with no standard, the corresponding guidance value from Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1). Comparisons of total BTEX and total PAH concentrations from this sampling event to previous sampling events are provided as Tables 3 and 4, respectively.

Groundwater samples were collected from the 18 site monitoring wells listed in Table 2 in December 2020 and submitted to the laboratory for analysis of BTEX, MTBE, and PAHs. Constituent concentrations were detected above Class GA groundwater quality criteria in the December 2020 samples at locations MW-3, MW-11S, and MW-13S for one or more of the following tested constituents: benzene, ethylbenzene, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and naphthalene. Each of these locations are proximal to the ISS mass. The presence of these constituents in groundwater is an expected result of the disturbance of the subsurface during implementation of the ISS. Prior to remediation in the area downgradient of the MGP-related source materials, these constituents were either not detected or detected at concentrations below Class GA groundwater quality criteria in the wells that were in place prior to remedy implementation. These concentrations are anticipated to decrease with time and will be evaluated during subsequent monitoring events. As described above in Section 3.1, groundwater flow is from the northwest to the south and southeast across the Site toward the Patchogue River. The concentrations of some of the constituents that were detected and potentially mobile in the dissolved phase (benzene and ethylbenzene) were below applicable surface water quality criteria listed in the New York State Ambient

Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004) that are applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per 6 NYCRR Part 897). Therefore, they do not have the potential to impact water quality the river. However, the concentration of one or more of the following seven constituents were detected above their respective applicable surface water quality criteria in downgradient monitoring wells proximal to the river (MW-3 and MW-4S): acenaphthene, benzo(a)anthracene, benzo(a)pyrene, fluorene, naphthalene, phenanthrene, and pyrene. Although it was not anticipated that these constituent concentrations would impact surface water quality if they discharged to the river, an analysis was conducted to assess the potential for discharge of site-related constituents in shallow groundwater to impact water quality in the Patchogue River, consistent with the analyses performed and document in the last three quarterly monitoring reports (BC, June 2020; BC, October 2020; and BC, December 2020) where it was determined that the estimated concentrations of acenaphthene, benzo(a)anthracene, fluorene, naphthalene, phenanthrene, and pyrene in the river were below applicable surface water criteria. The evaluation was conducted by estimating the rate at which a mass of site-related constituents dissolved in groundwater may be contributing to the surface water in the Patchogue River (i.e., the mass flux of constituents from groundwater to surface water). The details of these constituent mass flux analyses are presented in Appendix E; the results are summarized below.

The concentrations of acenaphthene, benzo(a)anthracene, fluorene, naphthalene, and pyrene in the December 2020 samples were similar (within the same order of magnitude) to those in the March, June, and September 2020 samples. Since the estimated surface water concentrations of these five constituents were below applicable surface water criteria, based on the mass flux analyses using the March, June, and September 2020 data (see Appendix F), an additional estimation of concentrations of these constituents in the river is not necessary. However, due to increased concentrations of benzo(a)pyrene and phenanthrene in MW-3, an additional analysis was conducted for these constituents in this report. The details of these constituent mass flux analyses are presented in Appendix E; the results are summarized below.

As a conservative measure, a mass flux analyses was performed for benzo(a)pyrene due to the very low surface water quality criteria associated with this constituent for Class C surface waters (i.e., 0.0012 micrograms per liter (µg/L) to provide protection for human consumption of fish). Noteworthy is that benzo(a)pyrene has a very low aqueous solubility, is not readily mobile in groundwater, and is unlikely to have migrated from the on-Site source area. Moreover, the detection of this constituent in the monitoring locations is likely related to the disturbance of fine or colloid sized particles during purging or sampling activities. These particles are derived from within the well or the soil adjacent to the well that become suspended into the water column of the well.

The estimated concentrations of benzo(a)pyrene and phenanthrene in the Patchogue River resulting from the discharge of site groundwater to the river was calculated using conservative assumptions that bias the estimates toward higher concentrations. Based on the results of the mass flux evaluation, the estimated concentrations of benzo(a)pyrene and phenanthrene in the Patchogue River adjacent to the Site during low-flow conditions are 0.00008 µg/L and 0.025 µg/L, respectively (see Appendix E). These estimated concentrations are below the guidance values for these constituents. Based on the evaluation conducted, site-related constituents in shallow groundwater do not impact surface water quality in the Patchogue River.

MTBE was not detected at any of the 18 monitoring wells sampled during the June 2020 monitoring event. MTBE is not an MGP-related constituent but has been detected at times in the past as a result of off-site sources.

Another noteworthy groundwater quality observation gleaned from the December 2020 field parameter measurements (see Appendix A) includes an apparent increase in pH levels in wells MW-3 and MW-13S

from the levels observed in September 2020 at these locations. Specifically, pH levels in MW-3 increased from 10.01 to 10.46; levels in MW-13S increased slightly from 9.54 to 9.60. Additionally, the pH levels in MW-3 prior to implementation of the remedy were considerably less than observed in December 2018 (6.9) but have increased since remedy implementation (7.43 in March 2020, 9.02 in June 2020 and 10.01 in September 2020). MW-13S was not installed until after completion of the remedy and thus, pre-remediation pH data is not available for this location. However, pH levels in MW-13S have increased with each post-remediation sampling event from 7.66 in March 2020, 9.46 in June 2020, and to 9.54 in September 2020. The increased pH levels are considered a potential effect from implementation of ISS in the area and it is anticipated that the pH will decrease to pre-remedy levels with time (i.e., as ISS mass continues to fully cure). Although the increased pH levels in groundwater are not anticipated to impact surface water quality in the Patchogue River, similar to the evaluations conducted for certain PAHs dissolved in groundwater to potentially effect surface water quality, an analysis was conducted herein to evaluate the potential for the increased pH levels to effect surface water quality in the river. The details of this pH mass discharge analysis are presented in Appendix G; the results are summarized below.

The estimated pH level in the Patchogue River resulting from the discharge of site groundwater to the river was calculated using conservative assumptions that bias the estimates toward higher concentrations. Based on the results of the mass discharge evaluation, the estimated pH level in the Patchogue River adjacent to the Site during low-flow conditions is 7.45 (see Appendix G), using a conservative assumption that there is no pH buffering capacity in the river water; the buffering capacity would resist change to pH in the river water due to contributions of higher pH groundwater. For comparison, water quality data was obtained from a United States Geological Survey (USGS) river gauging station proximal to the Site (USGS 01306000, Patchogue River at Patchogue New York) for the period May 6, 1966 to August 12, 1996; pH levels measured at this station ranged from 5.3 to 8.4 and had a median of 6.8. This median pH value was accounted for in the mass flux estimate, as discussed in Appendix G. The estimated pH level of 7.45 is above the median level measured in the river, which may be a result of the increased pH levels in shallow groundwater adjacent to the river. However, it is within the acceptable range for pH levels in Class C water bodies in accordance with 6 NYCRR Part 703.3 (i.e., pH shall not be less than 6.5 nor more than 8.5). Based on the evaluation conducted, the increased pH levels in shallow groundwater do not impact surface water quality in the Patchogue River.

Section 4

Conclusions and Recommendations

The following is a summary of the findings and conclusions associated with the December 2020 groundwater monitoring event.

- NAPL was not identified in any of the site monitoring wells during the December 2020 gauging activities.
- Constituent concentrations above Class GA groundwater quality criteria were detected in December 2020 samples at four shallow well locations proximal to the ISS mass (MW-3, MW-4S, MW-11S, and MW-13S). The exceedances in the wells were for one or more of the following constituents: benzene, ethylbenzene, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and naphthalene. The presence of these constituents is an expected result of the disturbance of the subsurface during implementation of the ISS. These concentrations are anticipated to decrease with time and will be evaluated during subsequent monitoring events.
- The concentrations of Site-related constituents detected in groundwater at the Site are not impacting surface water quality in the Patchogue River based on an evaluation of the mass flux of constituents in groundwater to the river.
- Increased pH levels in groundwater downgradient of the ISS mass are considered a potential effect from implementation of ISS in the area. It is anticipated that the pH will decrease to pre-remedy levels with time. The increased pH levels measured in groundwater at the Site are not impacting surface water quality in the Patchogue River based on a mass flux analysis.

Based on the results of the 2020 quarterly monitoring activities, National Grid is proposing the following modifications, for review and approval by the NYSDEC, to the long-term post-remedial groundwater monitoring program for the Site.

- Monitoring of the deep groundwater (8 well locations) is no longer warranted. Four quarters of groundwater sampling have been conducted since completion of remedy implementation. MGP-related constituents were not detected or detected at very low levels in the deep groundwater wells during these four sampling events.
- The frequency of groundwater monitoring should be reduced from quarterly to semi-annually. Tables 3 and 4 provide historical total BTEX and total PAH concentration data, respectively, and based on a review of the 2020 data in these tables, it is evident that the concentrations of more mobile constituents (i.e., BTEX) increased shortly after completion of the remedy followed by increases in concentrations of less mobile PAH compounds in wells downgradient of the ISS mass. The BTEX concentrations have decreased throughout Calendar Year 2020, while the PAH concentrations appear to have plateaued and are anticipated to decrease during 2021. Sampling on a semi-annual basis is adequate for assessing groundwater quality conditions at the Site.

Section 5

References

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NYSDEC, CP-43: Groundwater Monitoring Well Decommissioning Policy, November 2009).

Tetra Tech EC, Inc, December 2009. Final Remedial Investigation Report for the Patchogue Former MGP Site, Patchogue, Suffolk County, New York.

USEPA, July 1996; Revised September 2017. Low-Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells.

Tables

TABLE 1
WATER ELEVATIONS AND NAPL MONITORING DATA
FOURTH QUARTER 2020 GROUNDWATER MONITORING EVENT
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

		12/28/2020			
Location ID	Top of Casing Elevation (ft., NAVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NAVD)	Depth to NAPL (ft., BTOC)	Total Depth of Well (ft., BTOC)
MW-1	11.47	5.16	6.31	NI	15.23
MW-3	5.56	1.31	4.25	NI	10.14
MW-4S	7.97	4.39	3.58	NI	12.28
MW-4D	7.79	4.11	3.68	NI	26.69
MW-7S	8.45	3.93	4.52	NI	12.46
MW-7D	8.31	3.76	4.55	NI	28.21
MW-8S	5.01	0.18	4.83	NI	9.97
MW-8D	4.99	0.10	4.89	NI	25.15
MW-10S	5.77	0.51	5.26	NI	15.51
MW-10D	5.73	0.48	5.25	NI	25.36
MW-11S	5.02	1.07	3.95	NI	13.91
MW-11D	5.14	0.94	4.20	NI	23.93
MW-12S	4.99	0.37	4.62	NI	13.81
MW-12D	4.92	0.49	4.43	NI	23.61
MW-13S	4.98	0.93	4.05	NI	13.32
MW-13D	4.96	0.89	4.07	NI	23.96
MW-14S	4.86	0.54	4.32	NI	12.63
MW-14D	4.82	0.50	4.32	NI	22.12
SG-1	5.38	3.85	1.53	--	NA
SG-2	5.25	3.59	1.66	--	NA

Notes:
NAVD - North American Vertical Datum 1988
ft. - Feet
BGS - Below Ground Surface
BTOC - Below Top of Casing
NA - Not Applicable
NI - NAPL not Indicated by Oil/Water Interface Probe
NM - Not measured
MW - monitoring well
SG - staff gauge

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
FOURTH QUARTER 2020 GROUNDWATER MONITORING EVENT
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Constituent	Class GA Groundwater Criteria TOGS 1.1.1 Guidance	NYS Part 703 Standard	Units	Loc ID / Date	MW-1 12/28/2020	MW-3 12/30/2020	MW-3 (Dup) 12/30/2020	MW-4S 12/30/2020	MW-4D 12/30/2020	MW-7S 12/29/2020	MW-7D 12/29/2020	MW-8S 12/28/2020	MW-8D 12/29/2020	MW-10S 12/28/2020	MW-10D 12/28/2020
Volatile Organic Compounds (VOCs)															
BTEX Compounds															
Benzene	NE	1	µg/L		1.0 U	**1.5 J**	**1.6**	1.0	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U	0.20 U	0.20 U
Toluene	NE	5	µg/L		1.0 U	1.2 J	1.3	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U	0.20 U	0.20 U
Ethylbenzene	NE	5	µg/L		2.0 U	**6.7**	**7.3**	0.40 U	0.40 U	0.40 U	0.40 U	2.0 U	0.40 U	0.40 U	0.40 U
Xylenes, Total	NE	NE	µg/L		7.0 U	7.0 U	9.0	1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U
Total BTEX[(a)]	NE	NE	µg/L		ND	9.4 J	19	1.0	ND	ND	ND	ND	ND	ND	ND
Other VOCs															
Methyl Tertiary Butyl Ether	10	NE	µg/L		1.0 U	1.0 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U	0.20 U	0.20 U
Semi-Volatile Organic Compounds (SVOCs)															
Polycyclic Aromatic Hydrocarbons (PAHs)															
Acenaphthene	20	NE	µg/L		0.10 U	**49**	**53**	18	0.10 U	0.10 U	0.10 U	0.14 J	0.11 U	0.10 U	0.10 U
Acenaphthylene	NE	NE	µg/L		0.10 U	7.7	8.7	0.68	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Anthracene	50	NE	µg/L		0.10 U	1.5	1.6	0.38 J	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Benzo(a)anthracene	0.002	NE	µg/L		0.10 U	**2.7**	**2.8**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Benzo(a)pyrene	NE	0	µg/L		0.10 U	**0.10 J**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Benzo(b)fluoranthene	0.002	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Benzo(g,h,i)perylene	NE	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Benzo(k)fluoranthene	0.002	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Chrysene	0.002	NE	µg/L		0.10 U	**1.7**	**1.8**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	NE	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Fluoranthene	50	NE	µg/L		0.10 U	19	21	2.8	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Fluorene	50	NE	µg/L		0.10 U	12	13	6.8	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	0.002	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Naphthalene	10	NE	µg/L		0.10 U	**170**	**190**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Phenanthrene	50	NE	µg/L		0.10 U	12	13	0.15 J	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Pyrene	50	NE	µg/L		0.10 U	26	28	3.8	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.10 U
Total PAHs[(b)]	NE	NE	µg/L		ND	302	333	33	ND	ND	ND	0.14 J	ND	ND	ND

Notes:
BTEX - benzene, toluene, ethylbenzene and isomers of xylene.
U - The analyte was analyzed for, but was not detected above the sample reporting limit. Value shown is representative of method detection limit for the analyzed constituent.
J - Estimated concentration. The result is below the reporting limit but above the method detection limit.
µg/L - micrograms per liter
ND - Not detected.
NE - Not established.
(a) - To calculate total BTEX concentration, a value of zero is used for non-detect values.
(b) - To calculate total PAH concentration, a value of zero is used for non-detect values.

Boxed concentrations in bold font are above New York State Class GA Groundwater Quality Criteria (Standards or Guidance values).

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
FOURTH QUARTER 2020 GROUNDWATER MONITORING EVENT
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Constituent	Class GA Groundwater Criteria TOGS 1.1.1 Guidance	NYS Part 703 Standard	Units	Loc ID / Date	MW-11S 12/29/2020	MW-11D 12/29/2020	MW-12S 12/29/2020	MW-12D 12/29/2020	MW-13S 12/30/2020	MW-13D 12/30/2020	MW-14S 12/29/2020	MW-14D 12/29/2020
Volatile Organic Compounds (VOCs)												
BTEX Compounds												
Benzene	NE	1	µg/L		0.20 U	0.20 U	0.20 U	0.20 U	**2.0 J**	0.20 U	0.20 U	0.20 U
Toluene	NE	5	µg/L		0.20 U	0.20 U	0.20 U	0.20 U	1.1 J	0.20 U	0.20 U	0.20 U
Ethylbenzene	NE	5	µg/L		0.40 U	0.40 U	0.40 U	0.40 U	3.8 J	0.40 U	0.40 U	0.40 U
Xylenes, Total	NE	NE	µg/L		1.4 U	1.4 U	1.4 U	1.4 U	7.0 U	1.4 U	1.4 U	1.4 U
Total BTEX[(a)]	NE	NE	µg/L		ND	ND	ND	ND	6.9 J	ND	ND	ND
Other VOCs												
Methyl Tertiary Butyl Ether	10	NE	µg/L		0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U	0.20 U	0.20 U
Semi-Volatile Organic Compounds (SVOCs)												
Polycyclic Aromatic Hydrocarbons (PAHs)												
Acenaphthene	20	NE	µg/L		0.93	0.10 U	0.10 U	0.10 U	**35**	0.10 U	1.4	0.10 U
Acenaphthylene	NE	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	1.5	0.10 U	0.10 U	0.10 U
Anthracene	50	NE	µg/L		0.27 J	0.10 U	0.10 U	0.10 U	7.3	0.10 U	0.10 U	0.10 U
Benzo(a)anthracene	0.002	NE	µg/L		**0.30 J**	0.10 U	0.10 U	0.10 U	**1.3**	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	NE	0	µg/L		**0.16 J**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(b)fluoranthene	0.002	NE	µg/L		**0.13 J**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(g,h,i)perylene	NE	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	0.002	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chrysene	0.002	NE	µg/L		**0.33 J**	0.10 U	0.10 U	0.10 U	**1.0**	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	NE	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluoranthene	50	NE	µg/L		1.2	0.10 U	0.10 U	0.10 U	7.0	0.10 U	0.10 U	0.10 U
Fluorene	50	NE	µg/L		0.31 J	0.10 U	0.10 U	0.10 U	14	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd)pyrene	0.002	NE	µg/L		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Naphthalene	10	NE	µg/L		0.25 J	0.10 U	0.17 J	0.10 U	**61**	0.10 U	0.28 J	0.10 U
Phenanthrene	50	NE	µg/L		0.74	0.10 U	0.10 U	0.10 U	45	0.10 U	0.10 U	0.10 U
Pyrene	50	NE	µg/L		2.2	0.10 U	0.10 U	0.10 U	9.3	0.10 U	0.10 U	0.10 U
Total PAHs[(b)]	NE	NE	µg/L		6.8	ND	0.17 J	ND	182	ND	1.7 J	ND

Notes:
BTEX - benzene, toluene, ethylbenzene and isomers of xylene.
U - The analyte was analyzed for, but was not detected above the sample reporting limit. Value shown is representative of method detection limit for the analyzed constituent.
J - Estimated concentration. The result is below the reporting limit but above the method detection limit.
µg/L - micrograms per liter
ND - Not detected.
NE - Not established.
(a) - To calculate total BTEX concentration, a value of zero is used for non-detect values.
(b) - To calculate total PAH concentration, a value of zero is used for non-detect values.

Boxed concentrations in bold font are above New York State Class GA Groundwater Quality Criteria (Standards or Guidance values).

TABLE 3
SUMMARY OF HISTORICAL BTEX CONCENTRATIONS
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Sampling Date	Total BTEX Concentrations (µg/L) [a]													
	Monitoring Well													
	MW-1	MW-2S	MW-2D	MW-3	MW-4S	MW-4D	MW-5	MW-6	MW-7S	MW-7D	MW-8S	MW-8D	MW-9S	MW-9D
Mar-08	0	0	0	0	3.4	0	1016	57	NS	NS	NS	NS	NS	NS
Jul-08	NS	0	0	0	0	0	678	0	0	0	0	0	0	0
Mar-09	0	0	0	0	0	0	975	0	0	1	0	0	0	0
Sep-09	0	0	0	0	0	0	1257	1	0	0	0	0	0	0
Mar-10	0	0	0	0	0	0	637	2	0	9	0	0	0	0
Sep-10	0	0	0	0	0	0	NS	0	0	0	0	0	27	0
Jan-11	1.7	0	0	0	0	0	NS	NS	0	0	0	0	1	0
Apr-11	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
Aug-11	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
Nov-11	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
Feb-12	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
May-12	0	0	0	0	0	0	NS	NS	0	0	0	0	0	0
Nov-12	0	-- [b]	-- [a]	0	12	0	NS	NS	1	0	0	0	NS	NS
Jun-13	0	-- [b]	-- [b]	0	0.8	0	NS	NS	0.7	0	0	0	0	NS
Dec-13	0	-- [b]	-- [b]	NS	0	0	NS	NS	0.8	0	0	0	NS	NS
Jun-14	0	-- [b]	-- [b]	0	0	0	NS	NS	0.8	0	0	0	NS	NS
Dec-14	0	-- [b]	-- [b]	0	0	0	NS	NS	1.3	0	0	0	0	0
Jun-15	0	-- [b]	-- [b]	0	0	0	NS	NS	0	0	0	0	0	0
Dec-15	0	-- [b]	-- [b]	0	0	0	NS	NS	0.5	0	0	0	0	0
Jun-16	0	-- [b]	-- [b]	0	0	0	NS	NS	0	0	0	0	0	0
Dec-16	0	-- [b]	-- [b]	0	0	0	NS	NS	0	0	0	0	0	0
Jun-17	0	-- [b]	-- [b]	0	0	0	NS	NS	0	0	0	0	0	0
Dec-17	0	-- [b]	-- [b]	0	0	0	NS	NS	0	0	0	0	0	0
Jun-18	0	-- [b]	-- [b]	0	0	0	NS	0	0	0	0	0	0	0
Dec-18	0	-- [b]	-- [b]	0	0	0	NS	NS	0	0	0	0	0	0
Mar-20	0	-- [b]	-- [b]	35	4.3	0	-- [c]	-- [c]	0.4	0	0	0	-- [c]	-- [c]
Jun-20	0	-- [b]	-- [b]	18	2	0	-- [c]	-- [c]	0	0	0	0	-- [c]	-- [c]
Sep-20	0	-- [b]	-- [b]	20	2	0	-- [c]	-- [c]	0.4	0	0	0	-- [c]	-- [c]
Dec-20	0	-- [b]	-- [b]	19	1	0	-- [c]	-- [c]	0	0	0	0	-- [c]	-- [c]
Minimum	0	0	0	0	0	0	637	0	0	0	0	0	0	0
Maximum	1.7	0	0	35	12	0	1257	57	1.3	9.0	0	0	27	0
Mean	0.1	0	0	3.3	0.9	0	913	8.6	0.2	0.4	0	0	1.3	0

Notes:
BTEX - Benzene, toluene, ethylbenzene and isomers of xylene
µg/L - micrograms per liter
NS - Not sampled.
NI - Monitoring well or piezometer not installed at time of sampling.
(a) - To calculate total BTEX concentration, a value of zero is used for non-detect values.
(b) - Monitoring well was decommissioned on 6/4/12 as part of the Utility Corridor Construction activities. See "Construction Completion Report, Utility Corridor Work Plan Implementation" (BC, December 2012).
(c) - Monitoring well/piezometer was decommissioned on 6/13/19 as part of pre-remedial construction activities in accordance with the "Remedial Design Report (100% Submittal)" (BC, May 2019) and "CP-43: Groundwater Monitoring Well Decommissioning Policy" (NYSDEC, November 2009).

TABLE 3
SUMMARY OF HISTORICAL BTEX CONCENTRATIONS
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Sampling Date	Total BTEX Concentrations (µg/L) [a]										
	Monitoring Well/Piezometer										
	MW-10S	MW-10D	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14S	MW-14D	PZ-4A
Mar-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jan-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Aug-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
May-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Dec-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0
Dec-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Mar-20	0	0	4	0	0	0	37	0	0	0	-- [c]
Jun-20	0	0	2.7	0	0	0	25	0	0.73	0	-- [c]
Sep-20	0	0	1.9	0	0	0	26	0	0	0	-- [c]
Dec-20	0	0	0	0	0	0	6.9	0	0	0	-- [c]
Minimum	0	0	0	0	0	0	6.9	0	0	0	0
Maximum	0	0	4.0	0	0	0	37	0	0.73	0	0
Mean	0	0	2.2	0	0	0	24	0	0.2	0	0

Notes:
BTEX - Benzene, toluene, ethylbenzene and isomers of xylene
µg/L - micrograms per liter
NS - Not sampled.
NI - Monitoring well or piezometer not installed at time of sampling.
(a) - To calculate total BTEX concentration, a value of zero is used for non-detect values.
(b) - Monitoring well was decommissioned on 6/4/12 as part of the Utility Corridor Construction activities. See "Construction Completion Report, Utility Corridor Work Plan Implementation" (BC, December 2012).
(c) - Monitoring well/piezometer was decommissioned on 6/13/19 as part of pre-remedial construction activities in accordance with the "Remedial Design Report (100% Submittal)" (BC, May 2019) and "CP-43: Groundwater Monitoring Well Decommissioning Policy" (NYSDEC, November 2009).

TABLE 4
SUMMARY OF HISTORICAL PAH CONCENTRATIONS
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Sampling Date	Total PAH Concentrations (µg/L) [a]													
	Monitoring Well													
	MW-1	MW-2S	MW-2D	MW-3	MW-4S	MW-4D	MW-5	MW-6	MW-7S	MW-7D	MW-8S	MW-8D	MW-9S	MW-9D
Mar-08	0	0	0	0.76	0.6	4.3	1774	214	NS	NS	NS	NS	NS	NS
Jul-08	NS	0.7	0	0	8	0	1799	154	0	0.47	0	0	12	0
Mar-09	0	0	0	0	0	0	2730	0	0	0	0	0	0	0
Sep-09	0	0	0	0	0	0	3373	1	0	0	0	0	0	0
Mar-10	0	0	0	0	0	39	2390	17	0	0	22	0	2	0
Sep-10	0	0	0	128	0	6	NS	14	0	0	11	0	396	0
Jan-11	22	0	0	17	0	12	NS	NS	0	0	6	0	42	5
Apr-11	0	0	0	6	0	20	NS	NS	0	0	0	0	9	0
Aug-11	0	0	0.1	14	0.1	0	NS	NS	0	0	0.4	0	16	1.2
Nov-11	0	0	0.2	10	0.4	0	NS	NS	0	0	0.8	0.2	8	3.4
Feb-12	0.2	0	0	6	0.6	4	NS	NS	0.1	0	0.6	0	5	2.9
May-12	0.4	0.1	0.6	5	0	5.8	NS	NS	0.1	0.3	1	0	6	2.8
Nov-12	0.1	-- [b]	-- [b]	5.6	0.4	11.7	NS	NS	2.5	2.6	0.8	1.2	NS	NS
Jun-13	0.8	-- [b]	-- [b]	NS	0.3	3.7	NS	NS	1.3	0.4	0.4	0.6	2	NS
Dec-13	0	-- [b]	-- [b]	NS	0	2.5	NS	NS	0.8	0.4	0.3	0	NS	NS
Jun-14	0	-- [b]	-- [b]	2.2	0.9	0	NS	NS	0.8	0.3	0.2	0	NS	NS
Dec-14	0.1	-- [b]	-- [b]	1.2	0.4	0	NS	NS	3	0	0.1	0	21	0.3
Jun-15	0	-- [b]	-- [b]	1.1	0.9	0	NS	NS	0.9	0	0.3	0	10	0.3
Dec-15	0	-- [b]	-- [b]	0	0	0	NS	NS	0.9	0	0	0	3.9	0
Jun-16	0	-- [b]	-- [b]	1.9	0.8	0	NS	NS	2.5	0	0	0	5.9	0
Dec-16	0	-- [b]	-- [b]	0.02	0	0.1	NS	NS	0	0	0	0	5.5	0.07
Jun-17	0	-- [b]	-- [b]	2.0	0.5	0	NS	NS	1	0	0	0	3.2	0
Dec-17	0	-- [b]	-- [b]	0.53	0	0.031	NS	NS	0	0.11	0	0.017	6.0	0.14
Jun-18	0	-- [b]	-- [b]	3.1	1.1	0.010	NS	53	0.02	0.01	0.08	0.09	7.4	0.55
Dec-18	0.31	-- [b]	-- [b]	1.5	1.2	0.080	NS	NS	0.08	0.05	0.10	0.13	7.9	1.0
Mar-20	0	-- [b]	-- [b]	20	17	0.21	-- [c]	-- [c]	0.32	0	0.09	0	-- [c]	-- [c]
Jun-20	0	-- [b]	-- [b]	179	37	0	-- [c]	-- [c]	0.14	0	0.11	0	-- [c]	-- [c]
Sep-20	0	-- [b]	-- [b]	336	41	0	-- [c]	-- [c]	0	0	0.21	0	-- [c]	-- [c]
Dec-20	0	-- [b]	-- [b]	333	33	0	-- [c]	-- [c]	0	0	0.14	0	-- [c]	-- [c]
Min	0	0	0	0	0	0	1774	0	0	0	0	0	0	0
Max	22	0.7	0.6	336	41	39	3373	214	3	2.6	22	1.2	396	5
Mean	0.9	0	0.1	40	5	3.8	2413	65	0.5	0.2	1.6	0.1	27	0.9

Notes:
PAH - Polycyclic aromatic hydrocarbons
µg/L - micrograms per liter
NS - Not sampled.
NI - Monitoring Well or piezometer not installed at time of sampling.
(a) - To calculate total PAH concentration, a value of zero is used for non-detect values.
(b) - Monitoring well was decommissioned on 6/4/12 as part of the Utility Corridor Construction activities. See "Construction Completion Report, Utility Corridor Work Plan Implementation" (Brown and Caldwell, December 2012).
(c) - Monitoring well/piezometer was decommissioned on 6/13/19 as part of pre-remedial construction activities in accordance with the "Remedial Design Report (100% Submittal)" (BC, May 2019) and "CP-43: Groundwater Monitoring Well Decommissioning Policy" (NYSDEC, November 2009).

TABLE 4
SUMMARY OF HISTORICAL PAH CONCENTRATIONS
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Sampling Date	Total PAH Concentrations (µg/L) [a]										
	Monitoring Well/Piezometer										
	MW-10S	MW-10D	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14S	MW-14D	PZ-4A
Mar-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jul-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Mar-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Sep-10	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jan-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Apr-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Aug-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Feb-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
May-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Nov-12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Dec-13	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Jun-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0.3
Dec-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-17	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Jun-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Dec-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NS
Mar-20	0.3	0.3	96	1.5	14	0	188	0.1	0.5	0.04	-- [c]
Jun-20	0	0	63	0	0	0	394	0.11	1.8	0	-- [c]
Sep-20	0	0	127	0	0	0	467	0	0.12	0	-- [c]
Dec-20	0	0	6.8	0	0.17	0	182	0	1.7	0	-- [c]
Min	0	0	6.8	0	0	0	182	0	0.12	0	0.3
Max	0.3	0.3	127	2	14	0	467	0.11	1.8	0.04	0.3
Mean	0.1	0.1	73	0.4	3.5	0	308	0.05	0.9	0.01	0.3

Notes:
PAH - Polycyclic aromatic hydrocarbons
µg/L - micrograms per liter
NS - Not sampled.
NI - Monitoring well or piezometer not installed at time of sampling.
(a) - To calculate total PAH concentration, a value of zero is used for non-detect values.
(b) - Monitoring well was decommissioned on 6/4/12 as part of the Utility Corridor Construction activities. See "Construction Completion Report, Utility Corridor Work Plan Implementation" (Brown and Caldwell, December 2012).
(c) - Monitoring well/piezometer was decommissioned on 6/13/19 as part of pre-remedial construction activities in accordance with the "Remedial Design Report (100% Submittal)" (BC, May 2019) and "CP-43: Groundwater Monitoring Well Decommissioning Policy" (NYSDEC, November 2009).

Figures

Path: P:\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-1-(Deptt-2020) Plot Date: January 11, 2021 4:53 PM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LEGEND:

- PROPERTY LINE
- x x FENCE
- 10 TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- (6.31) GROUNDWATER ELEVATION (FT., NAVD) FROM SHALLOW MONITORING WELL (SCREENED ACROSS OR CLOSE TO WATER TABLE) OR RIVER LEVEL FROM STAFF GAUGE (FT., NAVD).
- (5.25) GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE NOT USED FOR CONTOURING.
- * NON-STATIC. POSTED ELEVATION NOT USED IN DEVELOPMENT OF CONTOURS
- GENERALIZED DIRECTION OF GROUNDWATER FLOW

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

MW-1 (6.31)
MW-8D (4.89)
MW-8S (4.83)
MW-10S (5.26)
MW-10D (5.25)
MW-11S (3.95)*
MW-11D (4.20)
MW-12S (4.62)
MW-12D (4.40)
MW-13S (4.05)
MW-13D (4.10)
MW-14S (4.32)
MW-14D (4.52)
MW-3 (4.25)
MW-4S (3.58)
MW-4D (4.04)
MW-7S (4.52)
MW-7D (4.55)
SG-1 (1.53)
SG-2 (1.66)

NORTHERN AREA

IN-SITU SOLIDIFICATION MASS

Brown AND Caldwell	SCALE: 1" = 60' 153021 DATE: 1/11/2021	NATIONAL GRID PATCHOGUE FORMER MGP SITE VILLAGE OF PATCHOGUE, NEW YORK	WATER TABLE ELEVATION CONTOUR MAP DECEMBER 28, 2020	FIGURE 1

Appendix A: Field Sampling Data Sheets

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: RES/AFV
Purge/Sample Depth: ~13'

Project Number: 153021
Date: 12/28/20
Well ID: MW-1
Sample ID: MW-1-20201228

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (ms/cm)	DO (mg/L)	Turbidity (NTU)				
1222	6.54	12.73	0.994	1.75	32.2	58	5.18	200	
1225	6.52	12.76	1.00	1.16	37.8	4	5.18		
1228	6.62	12.88	1.06	1.11	35.5	-11	5.18		
1231	6.64	12.93	1.06	1.02	30.3	-26	5.18		
1234	6.68	12.95	1.00	0.94	26.9	-39	5.19		
1237	6.66	13.18	0.971	1.01	24.1	-45	5.20		
1240	6.70	13.32	0.956	1.03	19.6	-51	5.21		
1243	6.74	13.36	0.914	1.25	18.4	-56	5.21		
1246	6.80	13.42	0.914	1.06	18.7	-54	5.21		
1249	6.74	13.46	0.905	0.91	16.3	-64	5.21		
1252	6.75	13.54	0.897	0.95	16.5	-67	5.21		
1255	Collect MW-1-20201228								

AFV
12/28/20

Certified Sample Information:
Time of Sample: 1255
Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Serial No. Handheld: JPPV0HT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-1
Sample I.D.: MW-1-20201228 (if different from well no.)

Project: Patchogue
Personnel: AFV/REJ

Date: 12/28/20 Time: 1222
Weather: Cloudy Air Temp.: 53°F

WELL DATA:

Casing Diameter: 4" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 5.16 ft Bottom of Well: 15.33 ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☒ ~~Teflon®~~ AFV ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☒ Prepared Off-Site ☐ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☒ ~~Teflon®~~ AFV ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☒ Prepared Off-Site ☐ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☐ Clear ☐ Turbid ☒ Color: Tan ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV Date: 12/28/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: AFV/RES
Purge/Sample Depth: ~11'

Project Number: 153021
Date: 12/28/20
Well ID: MW-10S
Sample ID: MW-10S-20201228

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1314	6.57	13.76	~~0.524~~ 0.524	1.51	76.4	-86	0.60	250	
1317	6.55	14.11	0.526	1.17	109	-99	0.60		
1320	6.62	14.34	0.525	1.16	118	-106	0.60		
1323	6.62	14.39	0.523	1.09	116	-112	0.60		
1326	6.64	14.51	0.522	0.91	112	-118	0.60		
1329	6.64	14.57	0.522	0.47	110	-118	0.60		
1332	6.63	14.56	0.520	0.48	92.8	-125	0.60		
1335	6.65	14.51	0.520	0.48	88.8	-122	0.60		
1338	6.67	14.60	0.520	0.46	72.1	-125	0.60		
1341	6.64	14.65	0.520	0.47	70.1	-126	0.60		
1344	6.65	14.70	0.519	0.49	68.3	-130	0.60		
1347	Collect	MW-10S-20201228							

AFV 12/28/20

Certified Sample Information:
Time of Sample: 1347

Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMQX51M
Calibration Date/Time:

Serial No. Handheld: JPPV0HT4

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-10S

Sample I.D.: MW-10S-2020 1228 (if different from well no.)

Project: Patchogue

Personnel: AFV/RES

Date: 12/28/20 Time: 1314

Weather: Sunny Air Temp.: 53°F

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____

Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock

DEPTH TO : Static Water Level: 0.51 ft Bottom of Well: _____ ft

DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:

CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No

Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No

Does Weep Hole adequately drain well head? ☒ Yes ☐ No

Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No

Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No

Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____

(Tubing/Rope): ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 2.5 gal

Was well Evacuated? ☐ Yes ☐ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☒ Prepared Off-Site ☐ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel

(Tubing/Rope): ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☒ Prepared Off-Site ☐ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____

MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: _____ Date: 12/28/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: AFV/RES
Purge/Sample Depth: ~21'

Project Number: 153021
Date: 12/28/20
Well ID: MW-10D
Sample ID: MW-10D-20201228

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1358	6.81	13.96	0.418	1.57	35.1	-69	0.60	250	
1401	6.86	14.37	0.409	1.15	43.4	-60	0.61		
1404	6.82	14.63	0.401	0.92	42.2	-44	0.61		
1407	6.84	14.69	0.392	0.87	36.9	-35	0.61		
1410	6.86	14.75	0.383	1.05	29.4	-25	0.61		
1413	6.89	14.78	0.380	1.12	25.7	-21	0.61		
1416	6.92	14.82	0.373	1.20	30.5	-15	0.61		
1419	6.91	14.86	0.366	1.28	28.0	-10	0.61		
1422	6.85	14.89	0.363	1.33	24.4	-5	0.61		
1425	6.88	14.90	0.360	1.35	20.5	0	0.61		
1428	6.85	14.96	0.358	1.40	19.3	2	0.61		
1431	Collect MW-10D-20201228 +MS/MSD								

AFV 12/28/20

Certified Sample Information:
Time of Sample: 1431
Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Serial No. Handheld: JPPV0HT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-10D
Sample I.D.: MW-10D-20201228 (if different from well no.)

Project: Patchogue
Personnel: AFO/RES

Date: 12/28/20 Time: 13:58
Weather: Sunny Air Temp.: 52°F

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 0.48 ft Bottom of Well: 25.3 ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 250mL/min Elapsed Time: 30min Volume Pumped: 2.5gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☐ No ☒ Yes Name: MW-10D-20201228 (MS/MSD)

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols

Signature: _____ Date: 12/28/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: AFV/RES
Purge/Sample Depth: ~6'

Project Number: 153021
Date: 12/28/20
Well ID: MW-85
Sample ID: MW-85-20201228

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1501	6.91	13.00	0.508	8.94	88.7	-60	0.10	250	
1504	6.68	13.49	0.503	7.53	113	-57	0.10		
1507	6.62	13.58	0.493	6.11	73.6	-57	0.10		
1510	6.58	13.61	0.488	5.41	62.3	-60	0.10		
1513	6.56	13.65	0.487	4.87	56.9	-58	0.10		
1516	6.57	13.74	0.486	4.05	42.8	-57	0.10		
1519	6.57	13.77	0.487	3.52	42.5	-61	0.10		
1522	6.58	13.77	0.486	3.19	33.8	-61	0.10		
1525	6.55	13.75	0.487	2.82	33.4	-61	0.10		
1528	6.56	13.82	0.486	2.47	30.1	-61	0.10		
1531	6.54	13.80	0.487	2.26	30.6	-61	0.10		
1534	Collect MW-85-20201228								

AFV 12/28/20

Certified Sample Information:
Time of Sample: 1534

Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Calibration Date/Time:
Serial No. Handheld: JPPV0HT4

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-8S

Sample I.D.: MW-8S-20201228 (if different from well no.)

Project: ~~AFV~~ Patchogue

Personnel: AFV/RES

Date: 12/28/20 Time: 1501

Weather: Sunny Air Temp.: 52°F

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____

Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock

DEPTH TO : Static Water Level: 0.18 ft Bottom of Well: 9.97 ft

DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:

CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No

Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No

Does Weep Hole adequately drain well head? ☒ Yes ☐ No

Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No

Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No

Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____

(Tubing/Rope): ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 2.5 gal

Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel

(Tubing/Rope): ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method: _____

APPEARANCE: ☐ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____

MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: _____ Date: 12/28/20

Brown AND Caldwell
2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: RES / AFV
Purge/Sample Depth: ~20

Project Number: 153021
Date: 12/29/20
Well ID: MW-8D
Sample ID: MW-8D-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (ms/cm)	DO (mg/L)	Turbidity (NTU)				
0749	5.19	13.03	0.233	4.05	67.2	219	0.10	150	
0752	5.55	13.09	0.260	2.93	34.2	205	0.10		
0755	5.58	12.99	0.270	2.73	30.7	207	0.10		
0758	5.62	13.09	0.283	2.47	22.5	207	0.10		
0801	5.60	12.92	0.294	2.31	19.8	210	0.10		
0804	5.59	13.08	0.301	2.16	16.6	213	0.10		
0807	5.61	13.07	0.304	2.08	15.6	214	0.10		
0810	5.60	13.06	0.306	2.04	15.3	213	0.10		
0813	5.59	12.95	0.308	2.02	16.6	218	0.10		
0816	5.54	12.75	0.313	1.95	15.2	218	0.10		
0819	5.58	12.95	0.313	1.91	15.0	221	0.10		
0822	Collect MW-8D-20201229								

Certified Sample Information:
Time of Sample: 0822
Analyst Signature: Rachel Escandalo

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Serial No. Handheld: 3PPVOHT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-8D

Sample I.D.: MW-8D-20201229 (if different from well no.)

Project: Patchogue

Personnel: RES AFV

Date: 12/29/20 Time: 0745

Weather: sunny Air Temp.: 36

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other:

Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock

DEPTH TO : Static Water Level: 0.15 ft Bottom of Well: ft

DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:

CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No

Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No

Does Weep Hole adequately drain well head? ☐ Yes ☒ No

Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No

Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No

Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: To be purged:

PURGE DATA:

METHOD: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other:

Tubing/Rope: ☒ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other:

Pumping Rate: 150 mL/min Elapsed Time: 30 min Volume Pumped: 1.56

Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed:

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel

Tubing/Rope: ☒ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

Metals samples field filtered? ☐ Yes ☒ No Method:

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name:

MS/MSD : ☒ No ☐ Yes Name:

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Fondale Date: 12/29/20

Brown AND Caldwell
2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: RES / AFN
Purge/Sample Depth: ~10
Project Number: 153021
Date: 12/29/20
Well ID: MW-7S
Sample ID: MW-7S-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0846	5.96	9.40	0.569	3.55	275	-35	4.11	450	
0849	6.34	9.66	0.576	1.37	287	-77	4.09		
0852	6.52	9.84	0.575	1.30	278	-97	4.08		
0855	6.61	9.93	0.570	1.07	280	-109	4.07		
0858	6.69	10.05	0.567	0.88	282	-126	4.07		
0901	6.73	10.09	0.571	0.81	277	-131	4.07		
0904	6.75	10.16	0.568	0.76	201	-136	4.07		
0907	6.78	10.15	0.570	0.74	194	-138	4.07		
0910	6.79	10.14	0.570	0.72	176	-140	4.07		
0913	6.83	10.19	0.570	0.71	167	-143	4.07		
0916	6.80	10.18	0.570	0.70	167	-144	4.07		
0919	Collect	MW-7S-20201229							

Certified Sample Information:
Time of Sample: 0919
Analyst Signature: Rachel Scardale

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTM0x51M
Serial No. Handheld: JPPVOH T4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-7S
Sample I.D.: MW-7S (if different from well no.)

Project: Patchogue
Personnel: RES / AFV

Date: 12/29/20 Time: _____
Weather: Sunny Air Temp.: 36

WELL DATA:

Casing Diameter: 4" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 3.98 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 1.50 mL/min Elapsed Time: 30 min Volume Pumped: 1.5 G
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☐ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Scandale Date: 12/29/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: RGS / AFV
Purge/Sample Depth: ~25

Project Number: 153021
Date: 12/29/20
Well ID: MW-7D
Sample ID: MW-7D-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0934	6.68	9.81	0.458	9.24	39.0	-52	3.83	150	
0937	5.91	10.62	0.461	3.53	31.4	68	3.83		
0940	5.40	11.04	0.459	3.03	26.1	131	3.83		
0943	5.12	11.33	0.458	2.79	21.5	178	3.83		
0946	5.10	11.46	0.459	2.69	19.3	189	3.83		
0949	5.17	11.53	0.461	2.59	19.6	200	3.83		
0952	5.20	11.60	0.464	2.51	15.0	205	3.83		
0955	5.20	11.64	0.465	2.45	14.7	207	3.83		
0958	5.24	11.63	0.467	2.41	15.8	210	3.83		
1001	5.25	11.68	0.468	[illegible]	13.6	211	3.83		
1004	5.28	11.70	0.469	2.31	13.8	211	3.81		
1007	collect MW-7D-20201229								

Certified Sample Information:
Time of Sample: 1007
Analyst Signature: Rachel Scalzo

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTM0X51M
Serial No. Handheld: JPPVOMT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-7D
Sample I.D.: MW-7D-20201229 (if different from well no.)

Project: Patalogue
Personnel: RES/AFV

Date: 12/29/20 Time: 0930
Weather: Sun Air Temp.: 36

WELL DATA:

Casing Diameter: 4 ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2 ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 3.81 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 650 mL/min Elapsed Time: 30 min Volume Pumped: 1.5 Gr
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☐ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☐ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Scandale Date: 12/29/2020

Brown AND Caldwell
2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: RES / AFV
Purge/Sample Depth: ~10'

Project Number: 153021
Date: 12/29/20
Well ID: MW-14S
Sample ID: MW-14S-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1026	5.82	10.90	0.596	1.77	220	136	0.65	200	
1029	6.39	11.37	0.598	1.05	189	104	0.65		
1032	6.58	11.47	0.599	0.88	155	87	0.65		
1035	6.74	11.44	0.600	0.83	142	71	0.65		
1038	6.74	11.52	0.601	0.76	122	64	0.65		
1041	6.91	11.57	0.601	0.72	103	51	0.65		
1044	7.02	11.60	0.602	0.70	85.6	41	0.65		
1047	7.09	11.68	0.603	0.68	75.7	32	0.65		
1050	7.12	11.71	0.604	0.67	67.7	21	0.65		
1053	7.17	11.70	0.605	0.67	67.5	11	0.65		
1056	7.22	11.71	0.606	0.66	61.9	5	0.65		
1059	Collect MW-14S-20201229								

Certified Sample Information:
Time of Sample: 1059
Analyst Signature: Rachel Scardale

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTM0X51M
Serial No. Handheld: JPPVOHT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-14S
Sample I.D.: MW-14S-20201229 (if different from well no.)

Project: Petrologue
Personnel: RES/AFN

Date: 12/29/20 Time: 1020
Weather: Sunny Air Temp.: 37

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other:
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 6.65 ft Bottom of Well: ft
DATUM: ☐ Top of Protective Casing ☑ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: To be purged:

PURGE DATA:

METHOD: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other:
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other:

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 G
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed:
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method:
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name:
MS/MSD : ☒ No ☐ Yes Name:

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Scandale Date: 12/29/20

Brown AND Caldwell
2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: KES/AFV
Purge/Sample Depth: ~18

Project Number: 153021
Date: 12/29/20
Well ID: MW-14D
Sample ID: MW-14D-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (ms/cm)	DO (mg/L)	Turbidity (NTU)				
1106	6.73	12.14	0.750	1.38	125	177	0.57	175	
1109	5.95	12.48	0.759	0.89	121	135	0.57		
1112	5.45	12.72	0.763	0.72	129	198	0.57		
1115	5.27	12.85	0.760	075	133	210	0.57		
1118	5.23	13.18	0.758	0.63	174	223	0.57		
1121	5.16	13.39	0.755	0.57	220	234	0.57		
1124	5.16	13.31	0.754	0.57	254	240	0.57		
1127	5.15	13.24	0.753	0.57	221	245	0.57		
1130	5.16	13.24	0.754	0.54	202	249	0.57		
1133	5.14	13.25	0.753	0.53	189	251	0.57		
1136	5.14	13.29	0.754	0.50	177	255	0.57		
1139	4.92	13.48	0.752	0.86	260	261	0.57		clean horiba chamber
1142	4.97	13.46	0.750	0.58	260	264	0.57		
1145	5.00	13.40	0.750	0.50	254	263	0.57		
1148	4.93	13.38	0.751	0.46	248	268	0.57		
1151	collect MW-14D-20201229								

Certified Sample Information:
Time of Sample: 1151
Analyst Signature: Rachel Scarbate

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Serial No. Handheld: JPPVOH T4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-14D
Sample I.D.: MW-14D-20201229 (if different from well no.)

Project: Patchogue
Personnel: RES / APV

Date: 12/29/20 Time: 1103
Weather: Sunny Air Temp.: 37

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2' ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 0.57 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 175 ml/min Elapsed Time: 42 min Volume Pumped: 7.35 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☐ Clear ☒ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Scadale Date: 12/28/20

Brown AND Caldwell
2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023

LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: RES/AFV
Purge/Sample Depth: ~9

Project Number: 153021
Date: 12/29/2020
Well ID: MW-12S
Sample ID: MW-12S-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1245	5.55	12.35	0.319	2.10	23.9	191	1.19	150	
1248	5.90	12.77	0.337	1.40	21.7	174	1.19		
1251	6.25	13.19	0.360	1.18	27.5	142	1.19		
1254	6.37	13.33	0.366	1.11	23.4	123	1.19		
1257	6.44	13.38	0.370	1.08	19.5	98	1.19		
1300	6.49	13.47	0.375	1.04	14.5	75	1.20		
1303	6.50	13.50	0.375	1.01	13.8	54	1.20		
1306	6.53	13.57	0.378	0.99	11.5	37	1.21		
1309	6.57	13.62	0.379	0.98	10.4	25	1.21		
1312	6.59	13.63	0.380	0.97	10.8	14	1.21		
1315	6.58	13.60	0.383	0.96	9.4	10	1.21		
1318	collect MW-12S-20201229								

Certified Sample Information:
Time of Sample: 1318
Analyst Signature: Rachel Escandale

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: 6TM0x51M
Serial No. Handheld: 31PV0HT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-12S
Sample I.D.: MW-12S-20201228 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 12/28/20 Time: 1340
Weather: Sunny Air Temp.: 38

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.14 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☐ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 150mL/min Elapsed Time: 30 min Volume Pumped: 1.5G
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Scandale Date: 12/29/20

Brown AND Caldwell
2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National
Personnel: RES / AFV
Purge/Sample Depth: ~20

Project Number: 153021
Date: 12/29/20
Well ID: MW-12D
Sample ID: MW-12D-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1327	6.20	12.24	0.559	1.51	24.2	75	1.04	200	
1330	5.33	12.61	0.568	0.78	22.7	171	1.04		
1333	5.24	12.77	0.571	0.64	22.4	205	1.04		
1336	5.21	12.86	0.573	0.57	20.4	226	1.04		
1339	5.15	12.93	0.574	0.54	9.6	241	1.04		
1342	5.14	12.91	0.576	0.52	8.9	250	1.04		
1345	5.14	12.91	0.578	0.50	8.3	255	1.04		
1348	5.14	12.95	0.578	0.49	7.8	259	1.04		
1351	5.14	12.94	0.579	0.48	7.5	264	1.04		
1354	5.13	12.96	0.579	0.47	7.1	266	1.04		
1357	5.13	12.99	0.580	0.47	6.8	269	1.04		
1400	Collect Sample MW-12D-20201229								

Certified Sample Information:
Time of Sample: 1400
Analyst Signature: Rachel Scandale

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Serial No. Handheld: JPPVOHT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-12D
Sample I.D.: MW-12D-20201228 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 12/28/20 Time: 1325
Weather: Sunny Air Temp.: 39

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: ____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.02 ft Bottom of Well: ____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☐ Yes ☐ No
VOLUME OF WATER: Standing in well: ____ To be purged: ____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: ____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: ____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 GL
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: ____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: ____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: ____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: ____
MS/MSD : ☒ No ☐ Yes Name: ____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Scandale Date: 12/29/2020

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: RES/AFV
Purge/Sample Depth: ~9

Project Number: 153021
Date: 12/29/20
Well ID: MW-11S
Sample ID: MW-11S-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1429	5.67	11.54	0.645	1.84	58.0	13	0.44	200	
1432	5.99	12.35	0.643	0.96	66.1	-65	0.44		
1435	6.47	12.76	0.642	0.76	66.2	-110	0.44		
1438	6.59	12.69	0.639	0.67	68.0	-128	0.44		
1441	6.70	13.07	0.639	0.62	69.1	-139	0.44		
1444	6.77	13.17	0.638	0.58	67.8	-146	0.44		
1447	6.77	13.20	0.636	0.57	70.6	-149	0.44		
1450	6.77	13.20	0.636	0.54	71.6	-151	0.44		
1453	6.80	13.23	0.633	0.53	70.0	-154	0.44		
1456	6.95	13.27	0.632	0.51	66.6	-155	0.44		
1459	6.82	13.28	0.632	0.50	64.8	-155	0.44		
1502	Collect								

Certified Sample Information:
Time of Sample: 1502
Analyst Signature: Rachel Scarfale

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Serial No. Handheld: JPPVOHT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-11S
Sample I.D.: MW-11S-20201229 (if different from well no.)

Project: Patchogue
Personnel: RES/AFV

Date: 12/29/20 Time: 1426
Weather: Sunny Air Temp.: 39

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other:
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 0.44 ft Bottom of Well: ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☐ Yes ☒ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: To be purged:

PURGE DATA:

METHOD: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other:
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other:

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 G
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed:
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method:
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name:
MS/MSD : ☒ No ☐ Yes Name:

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Scandale Date: 12/29/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Pactolus
Client: National Grid
Personnel: RES / AFV
Purge/Sample Depth: ~20'

Project Number: 153021
Date: 12/29/2020
Well ID: MW-110
Sample ID: MW-110-20201229

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1510	6.46	12.08	0.366	2.00	111	-68	0.56	175	
1513	6.55	12.48	0.364	1.54	102	-58	0.56		
1516	6.54	13.27	0.355	1.32	151	-30	0.56		
1519	6.52	13.48	0.354	1.25	144	-9	0.56		
1522	6.42	13.57	0.353	1.21	132	7	0.56		
1525	6.44	13.64	0.355	1.18	110	19	0.56		
1528	6.40	13.61	0.356	1.14	99.6	24	0.56		
1531	6.44	13.65	0.356	1.11	84.3	31	0.56		
1534	6.36	13.60	0.357	1.08	74.9	37	0.56		
1537	6.36	13.67	0.360	1.05	62.9	42	0.56		
1540	6.40	13.71	0.360	1.04	55.0	49	0.56		
1543	6.36	13.78	0.360	1.03	49.9	53	0.56		
1546	6.42	13.75	0.361	1.02	44.8	58	0.56		
1549	6.42	13.77	0.362	1.00	42.1	57	0.56		
1552	Collect MW-110-20201229								

Certified Sample Information:
Time of Sample: 1552
Analyst Signature: Rachel Scandale

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOx51M
Serial No. Handheld: JPPVOHT4
Calibration Date/Time:

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-11D
Sample I.D.: MW-11D-20201229 (If different from well no.)

Project: Patrologic
Personnel: RES/AFV

Date: 12/29/20 Time: 1507
Weather: sunny Air Temp.: 37

WELL DATA:

Casing Diameter: 8 ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2 ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 0.56 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☐ Yes ☒ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☐ Yes ☒ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☐ Yes ☒ No J-plug broken
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 175 mL/min Elapsed Time: 39 Volume Pumped: ~2 G
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☐ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Rachel Scandale Date: 12/29/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: AFV/RES
Purge/Sample Depth: ~ 10'

Project Number: 153021
Date: 12/30/20
Well ID: MW-4S
Sample ID: MW-4S-20201230

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0833	5.38	10.19	0.678	1.35	297	94	4.78	250	
0836	6.11	10.70	0.699	0.80	158	-3	4.79		
0839	6.36	11.18	0.704	0.70	114	-40	4.80		
0842	6.47	11.41	0.704	0.65	190	-65	4.81		
0845	6.62	11.70	0.707	0.61	238	-85	4.81		
0848	6.69	11.76	0.707	0.60	146	-92	4.81		
0851	6.59	11.79	0.708	0.59	112	-94	4.81		
0854	6.77	11.71	0.708	0.57	88.3	-105	4.81		
0857	6.82	11.78	0.709	0.56	76.9	-111	4.81		
0900	6.85	11.83	0.709	0.55	72.4	-116	4.81		
0903	6.85	11.86	0.708	0.54	71.5	-119	4.81		
0906	Collect	MW-4S-20201230							

AFV 12/30/20

Certified Sample Information:
Time of Sample: 0906
Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTM0X51M
Calibration Date/Time: 12/30/20 0810
Serial No. Handheld: JPPV0HT4

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-45
Sample I.D.: MW-45-20201230 (if different from well no.)

Project: Patchogue
Personnel: AFV/RES

Date: 12/30/20 Time: 0833
Weather: Cloudy Air Temp.: 27°F

WELL DATA:

Casing Diameter: 4" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other:
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 4.64 ft Bottom of Well: ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: To be purged:

PURGE DATA:

METHOD: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other:
(Tubing/Rope): ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other:

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 2.5 g
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed:
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel
(Tubing/Rope): ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method:
APPEARANCE: ☐ Clear ☐ Turbid ☒ Color: Tan ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name:
MS/MSD : ☒ No ☐ Yes Name:

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: Date: 12/30/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: AFV/RES
Purge/Sample Depth: ~22.5'

Project Number: 153021
Date: 12/30/20
Well ID: MW-4D
Sample ID: MW-4D-20201230

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
							4.35		
0913	6.56	11.22	0.502	2.14	0.0	-18	4.35	150	
0916	6.16	11.31	0.549	1.53	0.0	25	4.35		
0919	6.03	11.47	0.580	1.08	0.0	49	4.35		
0922	6.03	11.65	0.596	0.82	0.0	66	4.35		
0925	5.98	11.74	0.607	0.70	0.0	79	4.35		
0928	5.92	11.91	0.618	0.63	0.0	89	4.35		
0931	5.90	11.93	0.620	0.60	0.0	100	4.35		
0934	5.91	12.00	0.623	0.56	0.0	109	4.35		
0937	5.88	12.07	0.627	0.53	0.0	116	4.35		
6940	5.86	12.02	0.627	0.52	0.0	122	4.35		
0943	5.85	12.00	0.627	0.50	0.0	125	4.35	↓	
0946	MW-4D-20201230					Collect	Sample		

AFV 12/30/20

Certified Sample Information:
Time of Sample: 0946
Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Serial No. Handheld: JPPVOHT4
Calibration Date/Time: 12/30/20 0810

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-4D
Sample I.D.: MW-4D-20201230 (if different from well no.)

Project: Patchogue
Personnel: AFV/RES

Date: 12/30/20 Time: 0913
Weather: Cloudy Air Temp.: 27°F

WELL DATA:

Casing Diameter: 4" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 4.33 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 150 mL/min Elapsed Time: 30 min Volume Pumped: 1.5 g
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: AFV Date: 12/30/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: AFV/RES
Purge/Sample Depth: ~8.5'

Project Number: 153021
Date: 12/30/20
Well ID: MW-3
Sample ID: MW-3-20201230

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1004	7.68	9.96	0.510	1.17	4.5	-165	1.64	200	Moderate-Strong
1007	8.88	10.74	0.509	0.55	1.0	-181	1.64		
1010	9.34	11.20	0.540	0.40	2.9	-205	1.64		Mothball
1013	9.66	11.37	0.580	0.44	3.0	-226	1.64		like odor
1016	9.91	11.46	0.610	0.52	2.5	-245	1.64		
1019	10.13	11.55	0.640	0.83	2.3	-263	1.64		
1022	10.26	11.56	0.660	0.85	2.4	-277	1.64		
1025	10.36	11.62	0.677	0.86	2.2	-289	1.64		
1028	10.40	11.68	0.688	0.86	2.2	-295	1.64		
1031	10.43	11.67	0.698	0.86	2.1	-303	1.64		
1034	10.46	11.70	0.703	0.85	2.3	-305	1.64		
1037	Collect MW-3-20201230 + DUP-20201230								

AFV 12/30/20

Certified Sample Information:
Time of Sample: 1037

Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX51M
Calibration Date/Time: 12/30/20 0810
Serial No. Handheld: JPPV0HTH

Are low-flow parameters subject to field lab certification? ~~Yes~~ X No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-3
Sample I.D.: MW-3-20201230 (if different from well no.)

Project: Patchogue
Personnel: AFV/RES

Date: 12/30/20 Time: 1004
Weather: Cloudy Air Temp.: 27°F

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: ____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.51 ft Bottom of Well: ____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☒ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: ____ To be purged: ____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: ____
(Tubing/Rope): ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: ____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: ____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel
(Tubing/Rope): ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: ____
APPEARANCE: ☐ Clear ☐ Turbid ☒ Color: Tan Brown ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☐ No ☒ Yes Name: DUP-20201230
MS/MSD : ☒ No ☐ Yes Name: ____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: ____ Date: 12/30/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: AFV/RES
Purge/Sample Depth: ~191'

Project Number: 153021
Date: 12/30/20
Well ID: MW-13D
Sample ID: MW-13D-20201230

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (ms/cm)	DO (mg/L)	Turbidity (NTU)				
1047	9.34	10.97	0.449	1.11	65.4	-114	1.10	200	
1050	8.58	12.35	0.423	0.73	110	-84	1.10		
1053	8.25	12.65	0.420	0.63	160	-57	1.10		
1056	8.04	12.83	0.418	0.59	150	-41	1.10		
1059	7.85	12.92	0.414	0.56	143	-27	1.10		
1102	7.59	12.96	0.412	0.58	110	-4	1.10		
1105	7.43	13.04	0.410	0.56	83.1	6	1.10		
1108	7.27	13.07	0.411	0.54	64.5	17	1.10		
1111	7.17	13.08	0.411	0.54	51.7	24	1.10		
1114	7.06	13.11	0.411	0.53	36.4	33	1.10		
1117	6.98	13.16	0.410	0.52	23.3	43	1.10		
1120	6.90	13.16	0.411	0.52	19.5	44	1.10		
1123	6.87	13.20	0.410	0.52	18.3	49	1.10	↓	
1126	Collect MW-13D-20201230								

AFV
12/30/20

Certified Sample Information:
Time of Sample: 1126
Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: 6TM0X51M
Serial No. Handheld: JPPV0HT4
Calibration Date/Time: 12/30/20 0810

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-13D
Sample I.D.: MW-13D-20201230 (if different from well no.)

Project: Patchogue
Personnel: AFV/RES

Date: 12/30/20 Time: 1047
Weather: Sunny Air Temp.: 37°F

WELL DATA:

Casing Diameter: 2" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: ____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.10 ft Bottom of Well: ____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: ____ To be purged: ____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: ____
Tubing/Rope: ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: ____

Pumping Rate: 200mL/min Elapsed Time: 36min Volume Pumped: 2gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: ____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: ____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: ____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: ____
MS/MSD : ☒ No ☐ Yes Name: ____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: [signature] Date: 12/30/20

Brown AND Caldwell

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Patchogue
Client: National Grid
Personnel: AFV/RES
Purge/Sample Depth: ~ 10'

Project Number: 153021
Date: 12/30/20
Well ID: MW-135
Sample ID: MW-135-20201230

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1132	8.86	11.66	0.680	0.56	67.4	-150	1.11	150	
1135	9.38	11.51	0.690	0.31	63.4	-252	1.11		
1138	9.42	11.46	0.692	0.33	63.4	-298	1.11		
1141	9.41	11.47	0.693	0.36	63.6	-320	1.11		
1144	9.30	11.55	0.695	0.41	62.5	-341	1.11		
1147	9.48	11.64	0.696	0.42	62.4	-357	1.11		
1150	9.51	11.71	0.696	0.45	61.8	-366	1.11		
1153	9.60	11.74	0.697	0.46	60.4	-370	1.11		
1156	9.59	11.83	0.698	0.48	59.3	-380	1.11		
1159	9.62	11.88	0.698	0.48	59.2	-385	1.11		
1202	9.60	11.90	0.698	0.51	58.7	-385	1.11		
1205	Collect MW-135-20201230								

12/30/20

Certified Sample Information:
Time of Sample: 1205

Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: GTMOX5IM
Calibration Date/Time: 12/30/20 0810

Serial No. Handheld: JPPVOHTH

Are low-flow parameters subject to field lab certification? ☐ Yes ☒ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-13S
Sample I.D.: MW-13S-20201230 (if different from well no.)

Project: Patchogue
Personnel: AFV/RES

Date: 12/30/20 Time: 1132
Weather: Sunny Air Temp.: 37°F

WELL DATA:

Casing Diameter: 8" ☐ Stainless Steel ☒ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 1.10 ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☐ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☒ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
(Tubing/Rope): ☐ Teflon® ☒ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: _____ Elapsed Time: _____ Volume Pumped: _____
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: (Pump/Bailer): ☐ Teflon® ☒ Stainless Steel
(Tubing/Rope): ☐ Teflon® ☒ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☐ Yes ☒ No Method: _____
APPEARANCE: ☐ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☒ No ☐ Yes Name: _____
MS/MSD : ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: _____ Date: 12/30/20

Appendix B: Laboratory Reports

ANALYTICAL REPORT

Job Number: 410-25282-1

Job Description: Patchogue, NY

For:
Brown and Caldwell
500 North Franklin Turnpike
Suite 306
Ramsey, NJ 07446

Attention: Mr. James L Marolda

Barb Weyandt

Approved for release.
Barbara A Weyandt
Project Manager
2/2/2021 12:08 AM

Barbara A Weyandt, Project Manager
2425 New Holland Pike, Lancaster, PA, 17601
(717)556-7264
Barbara.Weyandt@eurofinset.com
02/02/2021
Revision: 1

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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.

Job Number: 410-25282-1

Job Description: Patchogue, NY

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Job Narrative
410-25282-1

Revision
The report being provided is a revision of the original report sent on 1/13/2021. The report (revision 1) is being revised to correct sample ID MW-1-2020128 to MW-1-20201228.

Receipt
The samples were received on 12/31/2020 8:12 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.4º C, 1.2º C and 2.8º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-1-20201228 (410-25282-1) and MW-8S-20201228 (410-25282-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-3-20201230 (410-25282-17) and MW-13S-20201230 (410-25282-19). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The surrogate recovery for the blank associated with preparation batch 410-81991 was below the lower control limits. Since there are no detections in samples MW-8D-20201229 (410-25282-5), MW-7S-20201229 (410-25282-6), MW-7D-20201229 (410-25282-7), MW-14D-20201229 (410-25282-9), MW-12D-20201229 (410-25282-11), FB-20201229 (410-25282-12) and MW-11D-20201229 (410-25282-14), the data has been reported.

Method 8270D: The surrogate recovery for the blank associated with preparation batch 410-81991 was below the lower control limits. The associated sample(s) was re-prepared re-analyzed outside holding time with acceptable results. The first set of data has been reported. The associated samples are MW-14S-20201229 (410-25282-8), MW-12S-20201229 (410-25282-10) and MW-11S-20201229 (410-25282-13).

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

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

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

Sample Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-25282-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-25282-1	MW-1-20201228	Ground Water	12/28/20 12:55	12/31/20 08:12	
410-25282-2	MW-10S-20201228	Ground Water	12/28/20 13:47	12/31/20 08:12	
410-25282-3	MW-10D-20201228	Ground Water	12/28/20 14:31	12/31/20 08:12	
410-25282-4	MW-8S-20201228	Ground Water	12/28/20 15:34	12/31/20 08:12	
410-25282-5	MW-8D-20201229	Ground Water	12/29/20 08:22	12/31/20 08:12	
410-25282-6	MW-7S-20201229	Ground Water	12/29/20 09:19	12/31/20 08:12	
410-25282-7	MW-7D-20201229	Ground Water	12/29/20 10:07	12/31/20 08:12	
410-25282-8	MW-14S-20201229	Ground Water	12/29/20 10:59	12/31/20 08:12	
410-25282-9	MW-14D-20201229	Ground Water	12/29/20 11:51	12/31/20 08:12	
410-25282-10	MW-12S-20201229	Ground Water	12/29/20 13:18	12/31/20 08:12	
410-25282-11	MW-12D-20201229	Ground Water	12/29/20 14:00	12/31/20 08:12	
410-25282-12	FB-20201229	Ground Water	12/29/20 14:20	12/31/20 08:12	
410-25282-13	MW-11S-20201229	Ground Water	12/29/20 15:02	12/31/20 08:12	
410-25282-14	MW-11D-20201229	Ground Water	12/29/20 15:52	12/31/20 08:12	
410-25282-15	MW-4S-20201230	Ground Water	12/30/20 09:06	12/31/20 08:12	
410-25282-16	MW-4D-20201230	Ground Water	12/30/20 09:46	12/31/20 08:12	
410-25282-17	MW-3-20201230	Ground Water	12/30/20 10:37	12/31/20 08:12	
410-25282-18	MW-13D-20201230	Ground Water	12/30/20 11:26	12/31/20 08:12	
410-25282-19	MW-13S-20201230	Ground Water	12/30/20 12:05	12/31/20 08:12	
410-25282-20	DUP-20201230	Ground Water	12/30/20 00:00	12/31/20 08:12	
410-25282-21	Trip Blank-20201230	Water	12/30/20 00:00	12/31/20 08:12	

Detection Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-25282-1

Client Sample ID: MW-1-20201228 — Lab Sample ID: 410-25282-1

No Detections.

Client Sample ID: MW-10S-20201228 — Lab Sample ID: 410-25282-2

No Detections.

Client Sample ID: MW-10D-20201228 — Lab Sample ID: 410-25282-3

No Detections.

Client Sample ID: MW-8S-20201228 — Lab Sample ID: 410-25282-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.14	J	0.50	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-8D-20201229 — Lab Sample ID: 410-25282-5

No Detections.

Client Sample ID: MW-7S-20201229 — Lab Sample ID: 410-25282-6

No Detections.

Client Sample ID: MW-7D-20201229 — Lab Sample ID: 410-25282-7

No Detections.

Client Sample ID: MW-14S-20201229 — Lab Sample ID: 410-25282-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1.4		0.51	0.10	ug/L	1		8270D	Total/NA
Naphthalene	0.28	J	0.51	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-14D-20201229 — Lab Sample ID: 410-25282-9

No Detections.

Client Sample ID: MW-12S-20201229 — Lab Sample ID: 410-25282-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.17	J	0.51	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-12D-20201229 — Lab Sample ID: 410-25282-11

No Detections.

Client Sample ID: FB-20201229 — Lab Sample ID: 410-25282-12

No Detections.

Client Sample ID: MW-11S-20201229 — Lab Sample ID: 410-25282-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.93		0.51	0.10	ug/L	1		8270D	Total/NA
Anthracene	0.27	J	0.51	0.10	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	0.30	J	0.51	0.10	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	0.16	J	0.51	0.10	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.13	J	0.51	0.10	ug/L	1		8270D	Total/NA
Chrysene	0.33	J	0.51	0.10	ug/L	1		8270D	Total/NA
Fluoranthene	1.2		0.51	0.10	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11S-20201229 (Continued) — Lab Sample ID: 410-25282-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.31	J	0.51	0.10	ug/L	1		8270D	Total/NA
Naphthalene	0.25	J	0.51	0.10	ug/L	1		8270D	Total/NA
Phenanthrene	0.74		0.51	0.10	ug/L	1		8270D	Total/NA
Pyrene	2.2		0.51	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-11D-20201229 — Lab Sample ID: 410-25282-14

No Detections.

Client Sample ID: MW-4S-20201230 — Lab Sample ID: 410-25282-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		1.0	0.20	ug/L	1		8260C	Total/NA
Acenaphthene	18		0.51	0.10	ug/L	1		8270D	Total/NA
Acenaphthylene	0.68		0.51	0.10	ug/L	1		8270D	Total/NA
Anthracene	0.38	J	0.51	0.10	ug/L	1		8270D	Total/NA
Fluoranthene	2.8		0.51	0.10	ug/L	1		8270D	Total/NA
Fluorene	6.8		0.51	0.10	ug/L	1		8270D	Total/NA
Phenanthrene	0.15	J	0.51	0.10	ug/L	1		8270D	Total/NA
Pyrene	3.8		0.51	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: MW-4D-20201230 — Lab Sample ID: 410-25282-16

No Detections.

Client Sample ID: MW-3-20201230 — Lab Sample ID: 410-25282-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5	J	5.0	1.0	ug/L	5		8260C	Total/NA
Ethylbenzene	6.7		5.0	2.0	ug/L	5		8260C	Total/NA
Toluene	1.2	J	5.0	1.0	ug/L	5		8260C	Total/NA
Acenaphthene	49		0.50	0.10	ug/L	1		8270D	Total/NA
Acenaphthylene	7.7		0.50	0.10	ug/L	1		8270D	Total/NA
Anthracene	1.5		0.50	0.10	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	2.7		0.50	0.10	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	0.10	J	0.50	0.10	ug/L	1		8270D	Total/NA
Chrysene	1.7		0.50	0.10	ug/L	1		8270D	Total/NA
Fluoranthene	19		0.50	0.10	ug/L	1		8270D	Total/NA
Fluorene	12		0.50	0.10	ug/L	1		8270D	Total/NA
Phenanthrene	12		0.50	0.10	ug/L	1		8270D	Total/NA
Pyrene	26		0.50	0.10	ug/L	1		8270D	Total/NA
Naphthalene - DL	170		2.5	0.50	ug/L	5		8270D	Total/NA

Client Sample ID: MW-13D-20201230 — Lab Sample ID: 410-25282-18

No Detections.

Client Sample ID: MW-13S-20201230 — Lab Sample ID: 410-25282-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.0	J	5.0	1.0	ug/L	5		8260C	Total/NA
Ethylbenzene	3.8	J	5.0	2.0	ug/L	5		8260C	Total/NA
Toluene	1.1	J	5.0	1.0	ug/L	5		8260C	Total/NA
Acenaphthene	35		0.50	0.10	ug/L	1		8270D	Total/NA
Acenaphthylene	1.5		0.50	0.10	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-13S-20201230 (Continued) — Lab Sample ID: 410-25282-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	7.3		0.50	0.10	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	1.3		0.50	0.10	ug/L	1		8270D	Total/NA
Chrysene	1.0		0.50	0.10	ug/L	1		8270D	Total/NA
Fluoranthene	7.0		0.50	0.10	ug/L	1		8270D	Total/NA
Fluorene	14		0.50	0.10	ug/L	1		8270D	Total/NA
Naphthalene	61		0.50	0.10	ug/L	1		8270D	Total/NA
Phenanthrene	45		0.50	0.10	ug/L	1		8270D	Total/NA
Pyrene	9.3		0.50	0.10	ug/L	1		8270D	Total/NA

Client Sample ID: DUP-20201230 — Lab Sample ID: 410-25282-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		1.0	0.20	ug/L	1		8260C	Total/NA
Ethylbenzene	7.3		1.0	0.40	ug/L	1		8260C	Total/NA
Toluene	1.3		1.0	0.20	ug/L	1		8260C	Total/NA
Xylenes, Total	9.0		6.0	1.4	ug/L	1		8260C	Total/NA
Acenaphthene	53		0.50	0.10	ug/L	1		8270D	Total/NA
Acenaphthylene	8.7		0.50	0.10	ug/L	1		8270D	Total/NA
Anthracene	1.6		0.50	0.10	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	2.8		0.50	0.10	ug/L	1		8270D	Total/NA
Chrysene	1.8		0.50	0.10	ug/L	1		8270D	Total/NA
Fluoranthene	21		0.50	0.10	ug/L	1		8270D	Total/NA
Fluorene	13		0.50	0.10	ug/L	1		8270D	Total/NA
Phenanthrene	13		0.50	0.10	ug/L	1		8270D	Total/NA
Pyrene	28		0.50	0.10	ug/L	1		8270D	Total/NA
Naphthalene - DL	190		2.5	0.50	ug/L	5		8270D	Total/NA

Client Sample ID: Trip Blank-20201230 — Lab Sample ID: 410-25282-21

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-25282-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client Sample ID: MW-1-20201228

Date Collected: 12/28/20 12:55
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	1.0	ug/L			01/06/21 02:00	5
Ethylbenzene	ND		5.0	2.0	ug/L			01/06/21 02:00	5
Toluene	ND		5.0	1.0	ug/L			01/06/21 02:00	5
Xylenes, Total	ND		30	7.0	ug/L			01/06/21 02:00	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			01/06/21 02:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*01/06/21 02:00*	*5*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*01/06/21 02:00*	*5*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*01/06/21 02:00*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 02:00*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Chrysene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Fluorene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Naphthalene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Phenanthrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1
Pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*44 - 102*	*01/04/21 17:22*	*01/06/21 15:05*	*1*
Nitrobenzene-d5 (Surr)	*69*		*23 - 128*	*01/04/21 17:22*	*01/06/21 15:05*	*1*
p-Terphenyl-d14 (Surr)	*76*		*31 - 113*	*01/04/21 17:22*	*01/06/21 15:05*	*1*

Client Sample ID: MW-10S-20201228

Date Collected: 12/28/20 13:47
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 02:22	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 02:22	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 02:22	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 02:22	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*01/06/21 02:22*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 02:22*	*1*

Client Sample ID: MW-10S-20201228

Date Collected: 12/28/20 13:47
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-2

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 02:22*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/06/21 02:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Chrysene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Fluorene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Naphthalene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Phenanthrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1
Pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*44 - 102*	*01/04/21 17:22*	*01/06/21 15:35*	*1*
Nitrobenzene-d5 (Surr)	*55*		*23 - 128*	*01/04/21 17:22*	*01/06/21 15:35*	*1*
p-Terphenyl-d14 (Surr)	*63*		*31 - 113*	*01/04/21 17:22*	*01/06/21 15:35*	*1*

Client Sample ID: MW-10D-20201228

Date Collected: 12/28/20 14:31
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 11:33	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 11:33	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 11:33	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 11:33	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*01/06/21 11:33*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*01/06/21 11:33*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*01/06/21 11:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/06/21 11:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1

Client Sample ID: MW-10D-20201228

Lab Sample ID: 410-25282-3

Date Collected: 12/28/20 14:31
Matrix: Ground Water
Date Received: 12/31/20 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Chrysene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Fluoranthene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Fluorene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Naphthalene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Phenanthrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1
Pyrene	ND		0.51	0.10	ug/L		01/04/21 17:22	01/06/21 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*44 - 102*	*01/04/21 17:22*	*01/06/21 16:05*	*1*
Nitrobenzene-d5 (Surr)	*71*		*23 - 128*	*01/04/21 17:22*	*01/06/21 16:05*	*1*
p-Terphenyl-d14 (Surr)	*70*		*31 - 113*	*01/04/21 17:22*	*01/06/21 16:05*	*1*

Client Sample ID: MW-8S-20201228

Lab Sample ID: 410-25282-4

Date Collected: 12/28/20 15:34
Matrix: Ground Water
Date Received: 12/31/20 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	1.0	ug/L			01/06/21 02:44	5
Ethylbenzene	ND		5.0	2.0	ug/L			01/06/21 02:44	5
Toluene	ND		5.0	1.0	ug/L			01/06/21 02:44	5
Xylenes, Total	ND		30	7.0	ug/L			01/06/21 02:44	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			01/06/21 02:44	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*01/06/21 02:44*	*5*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/06/21 02:44*	*5*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 02:44*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 02:44*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.14**	**J**	0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Acenaphthylene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Anthracene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Chrysene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Fluoranthene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Fluorene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1

Client Sample ID: MW-8S-20201228

Date Collected: 12/28/20 15:34
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Naphthalene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Phenanthrene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1
Pyrene	ND		0.50	0.10	ug/L		01/04/21 17:22	01/06/21 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*44 - 102*	*01/04/21 17:22*	*01/06/21 20:33*	*1*
Nitrobenzene-d5 (Surr)	*70*		*23 - 128*	*01/04/21 17:22*	*01/06/21 20:33*	*1*
p-Terphenyl-d14 (Surr)	*82*		*31 - 113*	*01/04/21 17:22*	*01/06/21 20:33*	*1*

Client Sample ID: MW-8D-20201229

Date Collected: 12/29/20 08:22
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-5

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 03:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 03:06	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 03:06	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 03:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*01/06/21 03:06*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 03:06*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 03:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/06/21 03:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Acenaphthylene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Anthracene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Benzo[a]anthracene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Benzo[a]pyrene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Benzo[b]fluoranthene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Benzo[g,h,i]perylene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Benzo[k]fluoranthene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Chrysene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Dibenz(a,h)anthracene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Fluoranthene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Fluorene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Indeno[1,2,3-cd]pyrene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Naphthalene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Phenanthrene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1
Pyrene	ND		0.53	0.11	ug/L		01/05/21 09:15	01/07/21 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*44 - 102*	*01/05/21 09:15*	*01/07/21 02:47*	*1*
Nitrobenzene-d5 (Surr)	*71*		*23 - 128*	*01/05/21 09:15*	*01/07/21 02:47*	*1*
p-Terphenyl-d14 (Surr)	*75*		*31 - 113*	*01/05/21 09:15*	*01/07/21 02:47*	*1*

Client Sample ID: MW-7S-20201229

Date Collected: 12/29/20 09:19
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 12:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 12:39	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 12:39	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 12:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*01/06/21 12:39*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/06/21 12:39*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 12:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 12:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Acenaphthylene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Chrysene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Fluorene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Naphthalene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Phenanthrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1
Pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*44 - 102*	*01/05/21 09:15*	*01/07/21 03:16*	*1*
Nitrobenzene-d5 (Surr)	*77*		*23 - 128*	*01/05/21 09:15*	*01/07/21 03:16*	*1*
p-Terphenyl-d14 (Surr)	*54*		*31 - 113*	*01/05/21 09:15*	*01/07/21 03:16*	*1*

Client Sample ID: MW-7D-20201229

Date Collected: 12/29/20 10:07
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 13:01	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 13:01	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 13:01	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 13:01	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*01/06/21 13:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/06/21 13:01*	*1*

Client Sample ID: MW-7D-20201229

Date Collected: 12/29/20 10:07
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-7

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*01/06/21 13:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 13:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Acenaphthylene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Chrysene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Fluorene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Naphthalene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Phenanthrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1
Pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*44 - 102*	*01/05/21 09:15*	*01/07/21 03:44*	*1*
Nitrobenzene-d5 (Surr)	*73*		*23 - 128*	*01/05/21 09:15*	*01/07/21 03:44*	*1*
p-Terphenyl-d14 (Surr)	*80*		*31 - 113*	*01/05/21 09:15*	*01/07/21 03:44*	*1*

Client Sample ID: MW-14S-20201229

Date Collected: 12/29/20 10:59
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 13:23	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 13:23	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 13:23	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 13:23	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*01/06/21 13:23*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/06/21 13:23*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*01/06/21 13:23*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/06/21 13:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.4**		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1

Client Sample ID: MW-14S-20201229

Date Collected: 12/29/20 10:59
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Chrysene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Fluorene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Naphthalene	**0.28**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Phenanthrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1
Pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*44 - 102*	*01/05/21 09:15*	*01/07/21 04:13*	*1*
Nitrobenzene-d5 (Surr)	*71*		*23 - 128*	*01/05/21 09:15*	*01/07/21 04:13*	*1*
p-Terphenyl-d14 (Surr)	*66*		*31 - 113*	*01/05/21 09:15*	*01/07/21 04:13*	*1*

Client Sample ID: MW-14D-20201229

Date Collected: 12/29/20 11:51
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-9

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 13:45	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 13:45	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 13:45	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 13:45	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*01/06/21 13:45*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 13:45*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*01/06/21 13:45*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 13:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Chrysene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Fluorene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1

Client Sample ID: MW-14D-20201229

Date Collected: 12/29/20 11:51
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-9

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Naphthalene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Phenanthrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1
Pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*44 - 102*	*01/05/21 09:15*	*01/07/21 04:42*	*1*
Nitrobenzene-d5 (Surr)	*71*		*23 - 128*	*01/05/21 09:15*	*01/07/21 04:42*	*1*
p-Terphenyl-d14 (Surr)	*62*		*31 - 113*	*01/05/21 09:15*	*01/07/21 04:42*	*1*

Client Sample ID: MW-12S-20201229

Date Collected: 12/29/20 13:18
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-10

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 14:07	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 14:07	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 14:07	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 14:07	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*01/06/21 14:07*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 14:07*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 14:07*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/06/21 14:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Chrysene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Fluorene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Naphthalene	**0.17**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Phenanthrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1
Pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*44 - 102*	*01/05/21 09:15*	*01/07/21 05:10*	*1*
Nitrobenzene-d5 (Surr)	*66*		*23 - 128*	*01/05/21 09:15*	*01/07/21 05:10*	*1*
p-Terphenyl-d14 (Surr)	*38*		*31 - 113*	*01/05/21 09:15*	*01/07/21 05:10*	*1*

Client Sample ID: MW-12D-20201229

Lab Sample ID: 410-25282-11

Date Collected: 12/29/20 14:00

Matrix: Ground Water

Date Received: 12/31/20 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 14:30	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 14:30	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 14:30	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 14:30	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*01/06/21 14:30*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 14:30*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*01/06/21 14:30*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/06/21 14:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Chrysene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Fluorene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Naphthalene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Phenanthrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1
Pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*44 - 102*	*01/05/21 09:15*	*01/07/21 05:39*	*1*
Nitrobenzene-d5 (Surr)	*69*		*23 - 128*	*01/05/21 09:15*	*01/07/21 05:39*	*1*
p-Terphenyl-d14 (Surr)	*76*		*31 - 113*	*01/05/21 09:15*	*01/07/21 05:39*	*1*

Client Sample ID: FB-20201229

Lab Sample ID: 410-25282-12

Date Collected: 12/29/20 14:20

Matrix: Ground Water

Date Received: 12/31/20 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 10:49	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 10:49	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 10:49	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 10:49	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*01/06/21 10:49*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 10:49*	*1*

Client Sample ID: FB-20201229

Date Collected: 12/29/20 14:20
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-12

Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 10:49*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/06/21 10:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Acenaphthylene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Chrysene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Fluorene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Naphthalene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Phenanthrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1
Pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/07/21 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*44 - 102*	*01/05/21 09:15*	*01/07/21 06:08*	*1*
Nitrobenzene-d5 (Surr)	*73*		*23 - 128*	*01/05/21 09:15*	*01/07/21 06:08*	*1*
p-Terphenyl-d14 (Surr)	*80*		*31 - 113*	*01/05/21 09:15*	*01/07/21 06:08*	*1*

Client Sample ID: MW-11S-20201229

Date Collected: 12/29/20 15:02
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-13

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 14:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 14:52	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 14:52	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 14:52	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*01/06/21 14:52*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 14:52*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 14:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 14:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.93**		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Anthracene	**0.27**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1

Client Sample ID: MW-11S-20201229

Date Collected: 12/29/20 15:02
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-13

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.30**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Benzo[a]pyrene	**0.16**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Benzo[b]fluoranthene	**0.13**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Chrysene	**0.33**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Fluoranthene	**1.2**		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Fluorene	**0.31**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Naphthalene	**0.25**	**J**	0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Phenanthrene	**0.74**		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1
Pyrene	**2.2**		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*44 - 102*	*01/05/21 09:15*	*01/07/21 06:36*	*1*
Nitrobenzene-d5 (Surr)	*74*		*23 - 128*	*01/05/21 09:15*	*01/07/21 06:36*	*1*
p-Terphenyl-d14 (Surr)	*61*		*31 - 113*	*01/05/21 09:15*	*01/07/21 06:36*	*1*

Client Sample ID: MW-11D-20201229

Date Collected: 12/29/20 15:52
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-14

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 15:14	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 15:14	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 15:14	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 15:14	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*01/06/21 15:14*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/06/21 15:14*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*01/06/21 15:14*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/06/21 15:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Chrysene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Fluoranthene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Fluorene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1

Client Sample ID: MW-11D-20201229

Date Collected: 12/29/20 15:52
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-14

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Naphthalene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Phenanthrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1
Pyrene	ND		0.51	0.10	ug/L		01/05/21 09:15	01/07/21 07:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*44 - 102*	*01/05/21 09:15*	*01/07/21 07:05*	*1*
Nitrobenzene-d5 (Surr)	*71*		*23 - 128*	*01/05/21 09:15*	*01/07/21 07:05*	*1*
p-Terphenyl-d14 (Surr)	*71*		*31 - 113*	*01/05/21 09:15*	*01/07/21 07:05*	*1*

Client Sample ID: MW-4S-20201230

Date Collected: 12/30/20 09:06
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-15

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.0**		1.0	0.20	ug/L			01/06/21 15:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 15:36	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 15:36	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 15:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*01/06/21 15:36*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*01/06/21 15:36*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*01/06/21 15:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 15:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**18**		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Acenaphthylene	**0.68**		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Anthracene	**0.38**	**J**	0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Chrysene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Fluoranthene	**2.8**		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Fluorene	**6.8**		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Naphthalene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Phenanthrene	**0.15**	**J**	0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1
Pyrene	**3.8**		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*44 - 102*	*01/06/21 09:50*	*01/07/21 17:54*	*1*
Nitrobenzene-d5 (Surr)	*66*		*23 - 128*	*01/06/21 09:50*	*01/07/21 17:54*	*1*
p-Terphenyl-d14 (Surr)	*43*		*31 - 113*	*01/06/21 09:50*	*01/07/21 17:54*	*1*

Client Sample ID: MW-4D-20201230

Date Collected: 12/30/20 09:46
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-16
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 15:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 15:58	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 15:58	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 15:58	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*01/06/21 15:58*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 15:58*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*01/06/21 15:58*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 15:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Acenaphthylene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Chrysene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Fluorene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Naphthalene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Phenanthrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1
Pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*44 - 102*	*01/06/21 09:50*	*01/07/21 18:23*	*1*
Nitrobenzene-d5 (Surr)	*62*		*23 - 128*	*01/06/21 09:50*	*01/07/21 18:23*	*1*
p-Terphenyl-d14 (Surr)	*35*		*31 - 113*	*01/06/21 09:50*	*01/07/21 18:23*	*1*

Client Sample ID: MW-3-20201230

Date Collected: 12/30/20 10:37
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-17
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.5**	**J**	5.0	1.0	ug/L			01/06/21 16:20	5
Ethylbenzene	**6.7**		5.0	2.0	ug/L			01/06/21 16:20	5
Toluene	**1.2**	**J**	5.0	1.0	ug/L			01/06/21 16:20	5
Xylenes, Total	ND		30	7.0	ug/L			01/06/21 16:20	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			01/06/21 16:20	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*01/06/21 16:20*	*5*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*01/06/21 16:20*	*5*

Client Sample ID: MW-3-20201230

Date Collected: 12/30/20 10:37
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-17
Matrix: Ground Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 16:20*	*5*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/06/21 16:20*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**49**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Acenaphthylene	**7.7**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Anthracene	**1.5**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Benzo[a]anthracene	**2.7**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Benzo[a]pyrene	**0.10**	**J**	0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Chrysene	**1.7**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Fluoranthene	**19**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Fluorene	**12**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Phenanthrene	**12**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1
Pyrene	**26**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*44 - 102*	*01/06/21 09:50*	*01/07/21 18:52*	*1*
Nitrobenzene-d5 (Surr)	*54*		*23 - 128*	*01/06/21 09:50*	*01/07/21 18:52*	*1*
p-Terphenyl-d14 (Surr)	*60*		*31 - 113*	*01/06/21 09:50*	*01/07/21 18:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**170**		2.5	0.50	ug/L		01/06/21 09:50	01/08/21 00:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*44 - 102*	*01/06/21 09:50*	*01/08/21 00:50*	*5*
Nitrobenzene-d5 (Surr)	*53*		*23 - 128*	*01/06/21 09:50*	*01/08/21 00:50*	*5*
p-Terphenyl-d14 (Surr)	*59*		*31 - 113*	*01/06/21 09:50*	*01/08/21 00:50*	*5*

Client Sample ID: MW-13D-20201230

Date Collected: 12/30/20 11:26
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-18
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 16:42	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 16:42	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 16:42	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 16:42	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*01/06/21 16:42*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/06/21 16:42*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*01/06/21 16:42*	*1*

Client Sample ID: MW-13D-20201230

Date Collected: 12/30/20 11:26
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-18

Matrix: Ground Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/06/21 16:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Acenaphthylene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Anthracene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Benzo[a]anthracene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Benzo[a]pyrene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Benzo[b]fluoranthene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Benzo[g,h,i]perylene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Benzo[k]fluoranthene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Chrysene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Dibenz(a,h)anthracene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Fluoranthene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Fluorene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Indeno[1,2,3-cd]pyrene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Naphthalene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Phenanthrene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1
Pyrene	ND		0.51	0.10	ug/L		01/06/21 09:50	01/07/21 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*58*		*44 - 102*	*01/06/21 09:50*	*01/07/21 19:20*	*1*
Nitrobenzene-d5 (Surr)	*63*		*23 - 128*	*01/06/21 09:50*	*01/07/21 19:20*	*1*
p-Terphenyl-d14 (Surr)	*66*		*31 - 113*	*01/06/21 09:50*	*01/07/21 19:20*	*1*

Client Sample ID: MW-13S-20201230

Date Collected: 12/30/20 12:05
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-19

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.0**	**J**	5.0	1.0	ug/L			01/06/21 17:04	5
Ethylbenzene	**3.8**	**J**	5.0	2.0	ug/L			01/06/21 17:04	5
Toluene	**1.1**	**J**	5.0	1.0	ug/L			01/06/21 17:04	5
Xylenes, Total	ND		30	7.0	ug/L			01/06/21 17:04	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			01/06/21 17:04	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*01/06/21 17:04*	*5*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 17:04*	*5*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 17:04*	*5*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/06/21 17:04*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**35**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Acenaphthylene	**1.5**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Anthracene	**7.3**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Benzo[a]anthracene	**1.3**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1

Client Sample ID: MW-13S-20201230

Date Collected: 12/30/20 12:05
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-19

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Chrysene	**1.0**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Fluoranthene	**7.0**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Fluorene	**14**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Naphthalene	**61**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Phenanthrene	**45**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1
Pyrene	**9.3**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*44 - 102*	*01/06/21 09:50*	*01/07/21 19:49*	*1*
Nitrobenzene-d5 (Surr)	*52*		*23 - 128*	*01/06/21 09:50*	*01/07/21 19:49*	*1*
p-Terphenyl-d14 (Surr)	*51*		*31 - 113*	*01/06/21 09:50*	*01/07/21 19:49*	*1*

Client Sample ID: DUP-20201230

Date Collected: 12/30/20 00:00
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-20

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.6**		1.0	0.20	ug/L			01/06/21 17:26	1
Ethylbenzene	**7.3**		1.0	0.40	ug/L			01/06/21 17:26	1
Toluene	**1.3**		1.0	0.20	ug/L			01/06/21 17:26	1
Xylenes, Total	**9.0**		6.0	1.4	ug/L			01/06/21 17:26	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*01/06/21 17:26*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 17:26*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*01/06/21 17:26*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 17:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**53**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Acenaphthylene	**8.7**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Anthracene	**1.6**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Benzo[a]anthracene	**2.8**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Chrysene	**1.8**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Fluoranthene	**21**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Fluorene	**13**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1

Client Sample ID: DUP-20201230

Lab Sample ID: 410-25282-20

Date Collected: 12/30/20 00:00

Matrix: Ground Water

Date Received: 12/31/20 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	**13**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1
Pyrene	**28**		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*44 - 102*	*01/06/21 09:50*	*01/07/21 20:17*	*1*
Nitrobenzene-d5 (Surr)	*62*		*23 - 128*	*01/06/21 09:50*	*01/07/21 20:17*	*1*
p-Terphenyl-d14 (Surr)	*62*		*31 - 113*	*01/06/21 09:50*	*01/07/21 20:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**190**		2.5	0.50	ug/L		01/06/21 09:50	01/08/21 01:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*44 - 102*	*01/06/21 09:50*	*01/08/21 01:19*	*5*
Nitrobenzene-d5 (Surr)	*64*		*23 - 128*	*01/06/21 09:50*	*01/08/21 01:19*	*5*
p-Terphenyl-d14 (Surr)	*65*		*31 - 113*	*01/06/21 09:50*	*01/08/21 01:19*	*5*

Client Sample ID: Trip Blank-20201230

Lab Sample ID: 410-25282-21

Date Collected: 12/30/20 00:00

Matrix: Water

Date Received: 12/31/20 08:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.20	ug/L			01/06/21 11:11	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 11:11	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 11:11	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 11:11	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*01/06/21 11:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/21 11:11*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*01/06/21 11:11*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/06/21 11:11*	*1*

Surrogate Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-25282-1

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

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-25282-1	MW-1-20201228	100	93	94	100
410-25282-2	MW-10S-20201228	97	94	95	99
410-25282-3	MW-10D-20201228	96	93	94	99
410-25282-3 MS	MW-10D-20201228	98	95	96	100
410-25282-3 MSD	MW-10D-20201228	99	95	95	100
410-25282-4	MW-8S-20201228	97	95	95	100
410-25282-5	MW-8D-20201229	100	94	95	99
410-25282-6	MW-7S-20201229	99	95	95	100
410-25282-7	MW-7D-20201229	99	95	94	100
410-25282-8	MW-14S-20201229	100	95	96	101
410-25282-9	MW-14D-20201229	96	94	93	100
410-25282-10	MW-12S-20201229	99	94	95	99
410-25282-11	MW-12D-20201229	99	94	94	99
410-25282-12	FB-20201229	100	94	95	101
410-25282-13	MW-11S-20201229	99	94	95	100
410-25282-14	MW-11D-20201229	96	95	94	101
410-25282-15	MW-4S-20201230	101	93	94	100
410-25282-16	MW-4D-20201230	100	94	93	100
410-25282-17	MW-3-20201230	97	93	95	98
410-25282-18	MW-13D-20201230	99	95	96	99
410-25282-19	MW-13S-20201230	98	94	95	98
410-25282-20	DUP-20201230	98	94	94	100

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-25282-21	Trip Blank-20201230	99	94	95	100
LCS 410-82265/4	Lab Control Sample	97	96	95	100
LCS 410-82360/5	Lab Control Sample	97	95	96	100
MB 410-82265/6	Method Blank	100	94	96	100
MB 410-82360/7	Method Blank	98	93	96	99

Surrogate Legend

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

Surrogate Summary

Client: Brown and Caldwell
Job ID: 410-25282-1
Project/Site: Patchogue, NY

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

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	FBP (44-102)	NBZ (23-128)	TPHd14 (31-113)
410-25282-1	MW-1-20201228	74	69	76
410-25282-2	MW-10S-20201228	59	55	63
410-25282-3	MW-10D-20201228	77	71	70
410-25282-3 MS	MW-10D-20201228	77	76	65
410-25282-3 MSD	MW-10D-20201228	63	60	56
410-25282-4	MW-8S-20201228	74	70	82
410-25282-5	MW-8D-20201229	72	71	75
410-25282-6	MW-7S-20201229	76	77	54
410-25282-7	MW-7D-20201229	73	73	80
410-25282-8	MW-14S-20201229	72	71	66
410-25282-9	MW-14D-20201229	70	71	62
410-25282-10	MW-12S-20201229	66	66	38
410-25282-11	MW-12D-20201229	70	69	76
410-25282-12	FB-20201229	71	73	80
410-25282-13	MW-11S-20201229	73	74	61
410-25282-14	MW-11D-20201229	72	71	71
410-25282-15	MW-4S-20201230	62	66	43
410-25282-16	MW-4D-20201230	57	62	35
410-25282-17	MW-3-20201230	52	54	60
410-25282-17 - DL	MW-3-20201230	53	53	59
410-25282-18	MW-13D-20201230	58	63	66
410-25282-19	MW-13S-20201230	51	52	51
410-25282-20	DUP-20201230	58	62	62
410-25282-20 - DL	DUP-20201230	62	64	65

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	FBP (44-102)	NBZ (23-128)	TPHd14 (31-113)
LCS 410-81865/2-A	Lab Control Sample	75	70	86
LCS 410-81991/2-A	Lab Control Sample	60	64	78
LCS 410-82383/2-A	Lab Control Sample	62	67	77
MB 410-81865/1-A	Method Blank	83	76	91
MB 410-81991/1-A	Method Blank	42 S1-	50	62
MB 410-82383/1-A	Method Blank	51	58	79

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 410-82265/6
Matrix: Water
Analysis Batch: 82265

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	0.20	ug/L			01/05/21 20:46	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/05/21 20:46	1
Toluene	ND		1.0	0.20	ug/L			01/05/21 20:46	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/05/21 20:46	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/05/21 20:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*01/05/21 20:46*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/05/21 20:46*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*01/05/21 20:46*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/05/21 20:46*	*1*

Lab Sample ID: LCS 410-82265/4
Matrix: Water
Analysis Batch: 82265

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			20.0	19.5		ug/L		97	80 - 120		
Ethylbenzene			20.0	19.8		ug/L		99	80 - 120		
Toluene			20.0	20.1		ug/L		101	80 - 120		
Xylenes, Total			60.0	60.6		ug/L		101	80 - 120		
Methyl tertiary butyl ether			20.0	18.3		ug/L		92	69 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 410-82360/7
Matrix: Water
Analysis Batch: 82360

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	0.20	ug/L			01/06/21 09:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			01/06/21 09:55	1
Toluene	ND		1.0	0.20	ug/L			01/06/21 09:55	1
Xylenes, Total	ND		6.0	1.4	ug/L			01/06/21 09:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			01/06/21 09:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*01/06/21 09:55*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*01/06/21 09:55*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*01/06/21 09:55*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/06/21 09:55*	*1*

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

Lab Sample ID: LCS 410-82360/5
Matrix: Water
Analysis Batch: 82360

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			20.0	20.0		ug/L		100	80 - 120		
Ethylbenzene			20.0	20.5		ug/L		103	80 - 120		
Toluene			20.0	20.7		ug/L		103	80 - 120		
Xylenes, Total			60.0	61.6		ug/L		103	80 - 120		
Methyl tertiary butyl ether			20.0	18.3		ug/L		92	69 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 410-25282-3 MS
Matrix: Ground Water
Analysis Batch: 82360

Client Sample ID: MW-10D-20201228
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND		20.0	22.1		ug/L		110	80 - 120		
Ethylbenzene	ND		20.0	22.4		ug/L		112	80 - 120		
Toluene	ND		20.0	22.4		ug/L		112	80 - 120		
Xylenes, Total	ND		60.0	66.8		ug/L		111	80 - 120		
Methyl tertiary butyl ether	ND		20.0	18.9		ug/L		94	69 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 410-25282-3 MSD
Matrix: Ground Water
Analysis Batch: 82360

Client Sample ID: MW-10D-20201228
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		20.0	22.6		ug/L		113	80 - 120	2	30
Ethylbenzene	ND		20.0	23.1		ug/L		116	80 - 120	3	30
Toluene	ND		20.0	22.9		ug/L		115	80 - 120	2	30
Xylenes, Total	ND		60.0	68.6		ug/L		114	80 - 120	3	30
Methyl tertiary butyl ether	ND		20.0	18.7		ug/L		93	69 - 122	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 410-81865/1-A
Matrix: Water
Analysis Batch: 82495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 81865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Acenaphthylene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Anthracene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Benzo[g,h,i]perylene	0.329	J	0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Chrysene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Dibenz(a,h)anthracene	0.382	J	0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Fluoranthene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Fluorene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Indeno[1,2,3-cd]pyrene	0.352	J	0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Naphthalene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Phenanthrene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1
Pyrene	ND		0.50	0.10	ug/L		01/04/21 17:21	01/06/21 13:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*44 - 102*	*01/04/21 17:21*	*01/06/21 13:06*	*1*
Nitrobenzene-d5 (Surr)	*76*		*23 - 128*	*01/04/21 17:21*	*01/06/21 13:06*	*1*
p-Terphenyl-d14 (Surr)	*91*		*31 - 113*	*01/04/21 17:21*	*01/06/21 13:06*	*1*

Lab Sample ID: LCS 410-81865/2-A
Matrix: Water
Analysis Batch: 82495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	42.6		ug/L		85	52 - 114
Acenaphthylene	50.0	49.0		ug/L		98	55 - 117
Anthracene	50.0	44.0		ug/L		88	61 - 117
Benzo[a]anthracene	50.0	48.1		ug/L		96	61 - 126
Benzo[a]pyrene	50.0	40.0		ug/L		80	60 - 116
Benzo[b]fluoranthene	50.0	42.3		ug/L		85	61 - 119
Benzo[g,h,i]perylene	50.0	40.1		ug/L		80	54 - 120
Benzo[k]fluoranthene	50.0	47.5		ug/L		95	69 - 122
Chrysene	50.0	47.8		ug/L		96	65 - 121
Dibenz(a,h)anthracene	50.0	39.4		ug/L		79	57 - 124
Fluoranthene	50.0	45.4		ug/L		91	63 - 122
Fluorene	50.0	44.7		ug/L		89	56 - 115
Indeno[1,2,3-cd]pyrene	50.0	35.1		ug/L		70	52 - 121
Naphthalene	50.0	40.8		ug/L		82	51 - 102
Phenanthrene	50.0	42.8		ug/L		86	65 - 113
Pyrene	50.0	47.2		ug/L		94	65 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*75*		*44 - 102*
Nitrobenzene-d5 (Surr)	*70*		*23 - 128*
p-Terphenyl-d14 (Surr)	*86*		*31 - 113*

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

Lab Sample ID: 410-25282-3 MS
Matrix: Ground Water
Analysis Batch: 82495

Client Sample ID: MW-10D-20201228
Prep Type: Total/NA
Prep Batch: 81865

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		50.6	46.4		ug/L		92	52 - 114
Acenaphthylene	ND		50.6	52.3		ug/L		103	55 - 117
Anthracene	ND		50.6	44.8		ug/L		88	61 - 117
Benzo[a]anthracene	ND		50.6	37.9		ug/L		75	61 - 126
Benzo[a]pyrene	ND		50.6	34.4		ug/L		68	60 - 116
Benzo[b]fluoranthene	ND		50.6	36.2		ug/L		71	61 - 119
Benzo[g,h,i]perylene	ND		50.6	33.7		ug/L		66	54 - 120
Benzo[k]fluoranthene	ND		50.6	40.0		ug/L		79	69 - 122
Chrysene	ND		50.6	38.8		ug/L		77	65 - 121
Dibenz(a,h)anthracene	ND		50.6	33.9		ug/L		67	57 - 124
Fluoranthene	ND		50.6	44.3		ug/L		88	63 - 122
Fluorene	ND		50.6	45.9		ug/L		91	56 - 115
Indeno[1,2,3-cd]pyrene	ND		50.6	30.7		ug/L		61	52 - 121
Naphthalene	ND		50.6	44.5		ug/L		88	51 - 102
Phenanthrene	ND		50.6	44.1		ug/L		87	65 - 113
Pyrene	ND		50.6	42.9		ug/L		85	65 - 115

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*77*		*44 - 102*
Nitrobenzene-d5 (Surr)	*76*		*23 - 128*
p-Terphenyl-d14 (Surr)	*65*		*31 - 113*

Lab Sample ID: 410-25282-3 MSD
Matrix: Ground Water
Analysis Batch: 82495

Client Sample ID: MW-10D-20201228
Prep Type: Total/NA
Prep Batch: 81865

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		50.9	37.5		ug/L		74	52 - 114	21	30
Acenaphthylene	ND		50.9	41.7		ug/L		82	55 - 117	23	30
Anthracene	ND		50.9	37.0		ug/L		73	61 - 117	19	30
Benzo[a]anthracene	ND		50.9	33.4		ug/L		66	61 - 126	12	30
Benzo[a]pyrene	ND		50.9	34.0		ug/L		67	60 - 116	1	30
Benzo[b]fluoranthene	ND		50.9	38.0		ug/L		75	61 - 119	5	30
Benzo[g,h,i]perylene	ND		50.9	33.4		ug/L		66	54 - 120	1	30
Benzo[k]fluoranthene	ND		50.9	41.1		ug/L		81	69 - 122	3	30
Chrysene	ND		50.9	34.5		ug/L		68	65 - 121	12	30
Dibenz(a,h)anthracene	ND		50.9	35.0		ug/L		69	57 - 124	3	30
Fluoranthene	ND		50.9	37.1		ug/L		73	63 - 122	18	30
Fluorene	ND		50.9	39.2		ug/L		77	56 - 115	16	30
Indeno[1,2,3-cd]pyrene	ND		50.9	31.7		ug/L		62	52 - 121	3	30
Naphthalene	ND		50.9	34.3		ug/L		67	51 - 102	26	30
Phenanthrene	ND		50.9	37.4		ug/L		73	65 - 113	16	30
Pyrene	ND		50.9	38.1		ug/L		75	65 - 115	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*63*		*44 - 102*
Nitrobenzene-d5 (Surr)	*60*		*23 - 128*
p-Terphenyl-d14 (Surr)	*56*		*31 - 113*

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

Lab Sample ID: MB 410-81991/1-A
Matrix: Water
Analysis Batch: 82729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 81991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Acenaphthylene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Chrysene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Fluoranthene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Fluorene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Naphthalene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Phenanthrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1
Pyrene	ND		0.50	0.10	ug/L		01/05/21 09:15	01/06/21 23:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*42*	*S1-*	*44 - 102*	*01/05/21 09:15*	*01/06/21 23:55*	*1*
Nitrobenzene-d5 (Surr)	*50*		*23 - 128*	*01/05/21 09:15*	*01/06/21 23:55*	*1*
p-Terphenyl-d14 (Surr)	*62*		*31 - 113*	*01/05/21 09:15*	*01/06/21 23:55*	*1*

Lab Sample ID: LCS 410-81991/2-A
Matrix: Water
Analysis Batch: 82729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 81991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	33.4		ug/L		67	52 - 114
Acenaphthylene	50.0	39.3		ug/L		79	55 - 117
Anthracene	50.0	37.6		ug/L		75	61 - 117
Benzo[a]anthracene	50.0	40.0		ug/L		80	61 - 126
Benzo[a]pyrene	50.0	36.8		ug/L		74	60 - 116
Benzo[b]fluoranthene	50.0	37.3		ug/L		75	61 - 119
Benzo[g,h,i]perylene	50.0	40.9		ug/L		82	54 - 120
Benzo[k]fluoranthene	50.0	41.2		ug/L		82	69 - 122
Chrysene	50.0	40.9		ug/L		82	65 - 121
Dibenz(a,h)anthracene	50.0	40.2		ug/L		80	57 - 124
Fluoranthene	50.0	38.0		ug/L		76	63 - 122
Fluorene	50.0	36.7		ug/L		73	56 - 115
Indeno[1,2,3-cd]pyrene	50.0	38.4		ug/L		77	52 - 121
Naphthalene	50.0	28.6		ug/L		57	51 - 102
Phenanthrene	50.0	36.9		ug/L		74	65 - 113
Pyrene	50.0	37.7		ug/L		75	65 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*60*		*44 - 102*
Nitrobenzene-d5 (Surr)	*64*		*23 - 128*
p-Terphenyl-d14 (Surr)	*78*		*31 - 113*

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

Lab Sample ID: MB 410-82383/1-A
Matrix: Water
Analysis Batch: 82839

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Acenaphthylene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Benzo[a]anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Benzo[a]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Benzo[b]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Benzo[g,h,i]perylene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Benzo[k]fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Chrysene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Dibenz(a,h)anthracene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Fluoranthene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Fluorene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Indeno[1,2,3-cd]pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Naphthalene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Phenanthrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1
Pyrene	ND		0.50	0.10	ug/L		01/06/21 09:50	01/07/21 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*44 - 102*	*01/06/21 09:50*	*01/07/21 10:15*	*1*
Nitrobenzene-d5 (Surr)	*58*		*23 - 128*	*01/06/21 09:50*	*01/07/21 10:15*	*1*
p-Terphenyl-d14 (Surr)	*79*		*31 - 113*	*01/06/21 09:50*	*01/07/21 10:15*	*1*

Lab Sample ID: LCS 410-82383/2-A
Matrix: Water
Analysis Batch: 82839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 82383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	34.3		ug/L		69	52 - 114
Acenaphthylene	50.0	41.0		ug/L		82	55 - 117
Anthracene	50.0	40.5		ug/L		81	61 - 117
Benzo[a]anthracene	50.0	41.4		ug/L		83	61 - 126
Benzo[a]pyrene	50.0	36.3		ug/L		73	60 - 116
Benzo[b]fluoranthene	50.0	37.7		ug/L		75	61 - 119
Benzo[g,h,i]perylene	50.0	37.9		ug/L		76	54 - 120
Benzo[k]fluoranthene	50.0	41.1		ug/L		82	69 - 122
Chrysene	50.0	41.9		ug/L		84	65 - 121
Dibenz(a,h)anthracene	50.0	38.2		ug/L		76	57 - 124
Fluoranthene	50.0	40.8		ug/L		82	63 - 122
Fluorene	50.0	39.1		ug/L		78	56 - 115
Indeno[1,2,3-cd]pyrene	50.0	36.8		ug/L		74	52 - 121
Naphthalene	50.0	30.6		ug/L		61	51 - 102
Phenanthrene	50.0	40.5		ug/L		81	65 - 113
Pyrene	50.0	40.5		ug/L		81	65 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*62*		*44 - 102*
Nitrobenzene-d5 (Surr)	*67*		*23 - 128*
p-Terphenyl-d14 (Surr)	*77*		*31 - 113*

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

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
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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

GC/MS VOA

Analysis Batch: 82265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-1	MW-1-20201228	Total/NA	Ground Water	8260C	
410-25282-2	MW-10S-20201228	Total/NA	Ground Water	8260C	
410-25282-4	MW-8S-20201228	Total/NA	Ground Water	8260C	
410-25282-5	MW-8D-20201229	Total/NA	Ground Water	8260C	
MB 410-82265/6	Method Blank	Total/NA	Water	8260C	
LCS 410-82265/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 82360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-3	MW-10D-20201228	Total/NA	Ground Water	8260C	
410-25282-6	MW-7S-20201229	Total/NA	Ground Water	8260C	
410-25282-7	MW-7D-20201229	Total/NA	Ground Water	8260C	
410-25282-8	MW-14S-20201229	Total/NA	Ground Water	8260C	
410-25282-9	MW-14D-20201229	Total/NA	Ground Water	8260C	
410-25282-10	MW-12S-20201229	Total/NA	Ground Water	8260C	
410-25282-11	MW-12D-20201229	Total/NA	Ground Water	8260C	
410-25282-12	FB-20201229	Total/NA	Ground Water	8260C	
410-25282-13	MW-11S-20201229	Total/NA	Ground Water	8260C	
410-25282-14	MW-11D-20201229	Total/NA	Ground Water	8260C	
410-25282-15	MW-4S-20201230	Total/NA	Ground Water	8260C	
410-25282-16	MW-4D-20201230	Total/NA	Ground Water	8260C	
410-25282-17	MW-3-20201230	Total/NA	Ground Water	8260C	
410-25282-18	MW-13D-20201230	Total/NA	Ground Water	8260C	
410-25282-19	MW-13S-20201230	Total/NA	Ground Water	8260C	
410-25282-20	DUP-20201230	Total/NA	Ground Water	8260C	
410-25282-21	Trip Blank-20201230	Total/NA	Water	8260C	
MB 410-82360/7	Method Blank	Total/NA	Water	8260C	
LCS 410-82360/5	Lab Control Sample	Total/NA	Water	8260C	
410-25282-3 MS	MW-10D-20201228	Total/NA	Ground Water	8260C	
410-25282-3 MSD	MW-10D-20201228	Total/NA	Ground Water	8260C	

GC/MS Semi VOA

Prep Batch: 81865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-1	MW-1-20201228	Total/NA	Ground Water	3510C	
410-25282-2	MW-10S-20201228	Total/NA	Ground Water	3510C	
410-25282-3	MW-10D-20201228	Total/NA	Ground Water	3510C	
410-25282-4	MW-8S-20201228	Total/NA	Ground Water	3510C	
MB 410-81865/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-81865/2-A	Lab Control Sample	Total/NA	Water	3510C	
410-25282-3 MS	MW-10D-20201228	Total/NA	Ground Water	3510C	
410-25282-3 MSD	MW-10D-20201228	Total/NA	Ground Water	3510C	

Prep Batch: 81991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-5	MW-8D-20201229	Total/NA	Ground Water	3510C	
410-25282-6	MW-7S-20201229	Total/NA	Ground Water	3510C	
410-25282-7	MW-7D-20201229	Total/NA	Ground Water	3510C	
410-25282-8	MW-14S-20201229	Total/NA	Ground Water	3510C	
410-25282-9	MW-14D-20201229	Total/NA	Ground Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 81991 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-10	MW-12S-20201229	Total/NA	Ground Water	3510C	
410-25282-11	MW-12D-20201229	Total/NA	Ground Water	3510C	
410-25282-12	FB-20201229	Total/NA	Ground Water	3510C	
410-25282-13	MW-11S-20201229	Total/NA	Ground Water	3510C	
410-25282-14	MW-11D-20201229	Total/NA	Ground Water	3510C	
MB 410-81991/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-81991/2-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 82383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-15	MW-4S-20201230	Total/NA	Ground Water	3510C	
410-25282-16	MW-4D-20201230	Total/NA	Ground Water	3510C	
410-25282-17 - DL	MW-3-20201230	Total/NA	Ground Water	3510C	
410-25282-17	MW-3-20201230	Total/NA	Ground Water	3510C	
410-25282-18	MW-13D-20201230	Total/NA	Ground Water	3510C	
410-25282-19	MW-13S-20201230	Total/NA	Ground Water	3510C	
410-25282-20 - DL	DUP-20201230	Total/NA	Ground Water	3510C	
410-25282-20	DUP-20201230	Total/NA	Ground Water	3510C	
MB 410-82383/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-82383/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 82495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-1	MW-1-20201228	Total/NA	Ground Water	8270D	81865
410-25282-2	MW-10S-20201228	Total/NA	Ground Water	8270D	81865
410-25282-3	MW-10D-20201228	Total/NA	Ground Water	8270D	81865
410-25282-4	MW-8S-20201228	Total/NA	Ground Water	8270D	81865
MB 410-81865/1-A	Method Blank	Total/NA	Water	8270D	81865
LCS 410-81865/2-A	Lab Control Sample	Total/NA	Water	8270D	81865
410-25282-3 MS	MW-10D-20201228	Total/NA	Ground Water	8270D	81865
410-25282-3 MSD	MW-10D-20201228	Total/NA	Ground Water	8270D	81865

Analysis Batch: 82729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-5	MW-8D-20201229	Total/NA	Ground Water	8270D	81991
410-25282-6	MW-7S-20201229	Total/NA	Ground Water	8270D	81991
410-25282-7	MW-7D-20201229	Total/NA	Ground Water	8270D	81991
410-25282-8	MW-14S-20201229	Total/NA	Ground Water	8270D	81991
410-25282-9	MW-14D-20201229	Total/NA	Ground Water	8270D	81991
410-25282-10	MW-12S-20201229	Total/NA	Ground Water	8270D	81991
410-25282-11	MW-12D-20201229	Total/NA	Ground Water	8270D	81991
410-25282-12	FB-20201229	Total/NA	Ground Water	8270D	81991
410-25282-13	MW-11S-20201229	Total/NA	Ground Water	8270D	81991
410-25282-14	MW-11D-20201229	Total/NA	Ground Water	8270D	81991
MB 410-81991/1-A	Method Blank	Total/NA	Water	8270D	81991
LCS 410-81991/2-A	Lab Control Sample	Total/NA	Water	8270D	81991

Analysis Batch: 82839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-15	MW-4S-20201230	Total/NA	Ground Water	8270D	82383
410-25282-16	MW-4D-20201230	Total/NA	Ground Water	8270D	82383

GC/MS Semi VOA (Continued)

Analysis Batch: 82839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-17	MW-3-20201230	Total/NA	Ground Water	8270D	82383
410-25282-18	MW-13D-20201230	Total/NA	Ground Water	8270D	82383
410-25282-19	MW-13S-20201230	Total/NA	Ground Water	8270D	82383
410-25282-20	DUP-20201230	Total/NA	Ground Water	8270D	82383
MB 410-82383/1-A	Method Blank	Total/NA	Water	8270D	82383
LCS 410-82383/2-A	Lab Control Sample	Total/NA	Water	8270D	82383

Analysis Batch: 83166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-17 - DL	MW-3-20201230	Total/NA	Ground Water	8270D	82383
410-25282-20 - DL	DUP-20201230	Total/NA	Ground Water	8270D	82383

Prep Batch: 83558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-8 - RE	MW-14S-20201229	Total/NA	Ground Water	3510C	
410-25282-10 - RE	MW-12S-20201229	Total/NA	Ground Water	3510C	
410-25282-13 - RE	MW-11S-20201229	Total/NA	Ground Water	3510C	
MB 410-83558/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-83558/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-83558/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 84066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25282-8 - RE	MW-14S-20201229	Total/NA	Ground Water	8270D	83558
410-25282-10 - RE	MW-12S-20201229	Total/NA	Ground Water	8270D	83558
410-25282-13 - RE	MW-11S-20201229	Total/NA	Ground Water	8270D	83558
MB 410-83558/1-A	Method Blank	Total/NA	Water	8270D	83558
LCS 410-83558/2-A	Lab Control Sample	Total/NA	Water	8270D	83558
LCSD 410-83558/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	83558

Client Sample ID: MW-1-20201228
Lab Sample ID: 410-25282-1
Date Collected: 12/28/20 12:55
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	82265	01/06/21 02:00	ULCP	ELLE
Total/NA	Prep	3510C			81865	01/04/21 17:22	DN9W	ELLE
Total/NA	Analysis	8270D		1	82495	01/06/21 15:05	SJ89	ELLE

Client Sample ID: MW-10S-20201228
Lab Sample ID: 410-25282-2
Date Collected: 12/28/20 13:47
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82265	01/06/21 02:22	ULCP	ELLE
Total/NA	Prep	3510C			81865	01/04/21 17:22	DN9W	ELLE
Total/NA	Analysis	8270D		1	82495	01/06/21 15:35	SJ89	ELLE

Client Sample ID: MW-10D-20201228
Lab Sample ID: 410-25282-3
Date Collected: 12/28/20 14:31
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 11:33	H9JD	ELLE
Total/NA	Prep	3510C			81865	01/04/21 17:22	DN9W	ELLE
Total/NA	Analysis	8270D		1	82495	01/06/21 16:05	SJ89	ELLE

Client Sample ID: MW-8S-20201228
Lab Sample ID: 410-25282-4
Date Collected: 12/28/20 15:34
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	82265	01/06/21 02:44	ULCP	ELLE
Total/NA	Prep	3510C			81865	01/04/21 17:22	DN9W	ELLE
Total/NA	Analysis	8270D		1	82495	01/06/21 20:33	SJ89	ELLE

Client Sample ID: MW-8D-20201229
Lab Sample ID: 410-25282-5
Date Collected: 12/29/20 08:22
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82265	01/06/21 03:06	ULCP	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 02:47	W6XI	ELLE

Client Sample ID: MW-7S-20201229
Lab Sample ID: 410-25282-6
Date Collected: 12/29/20 09:19
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 12:39	H9JD	ELLE

Client Sample ID: MW-7S-20201229
Lab Sample ID: 410-25282-6

Date Collected: 12/29/20 09:19
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 03:16	W6XI	ELLE

Client Sample ID: MW-7D-20201229
Lab Sample ID: 410-25282-7

Date Collected: 12/29/20 10:07
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 13:01	H9JD	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 03:44	W6XI	ELLE

Client Sample ID: MW-14S-20201229
Lab Sample ID: 410-25282-8

Date Collected: 12/29/20 10:59
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 13:23	H9JD	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 04:13	W6XI	ELLE
Total/NA	Prep	3510C	RE		83558	01/11/21 10:30	U2SJ	ELLE
Total/NA	Analysis	8270D	RE	1	84066	01/12/21 21:24	WKV3	ELLE

Client Sample ID: MW-14D-20201229
Lab Sample ID: 410-25282-9

Date Collected: 12/29/20 11:51
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 13:45	H9JD	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 04:42	W6XI	ELLE

Client Sample ID: MW-12S-20201229
Lab Sample ID: 410-25282-10

Date Collected: 12/29/20 13:18
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 14:07	H9JD	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 05:10	W6XI	ELLE
Total/NA	Prep	3510C	RE		83558	01/11/21 10:30	U2SJ	ELLE
Total/NA	Analysis	8270D	RE	1	84066	01/12/21 21:54	WKV3	ELLE

Client Sample ID: MW-12D-20201229
Lab Sample ID: 410-25282-11

Date Collected: 12/29/20 14:00
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 14:30	H9JD	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 05:39	W6XI	ELLE

Client Sample ID: FB-20201229
Lab Sample ID: 410-25282-12

Date Collected: 12/29/20 14:20
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 10:49	H9JD	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 06:08	W6XI	ELLE

Client Sample ID: MW-11S-20201229
Lab Sample ID: 410-25282-13

Date Collected: 12/29/20 15:02
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 14:52	H9JD	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 06:36	W6XI	ELLE
Total/NA	Prep	3510C	RE		83558	01/11/21 10:30	U2SJ	ELLE
Total/NA	Analysis	8270D	RE	1	84066	01/12/21 22:24	WKV3	ELLE

Client Sample ID: MW-11D-20201229
Lab Sample ID: 410-25282-14

Date Collected: 12/29/20 15:52
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 15:14	H9JD	ELLE
Total/NA	Prep	3510C			81991	01/05/21 09:15	R9CT	ELLE
Total/NA	Analysis	8270D		1	82729	01/07/21 07:05	W6XI	ELLE

Client Sample ID: MW-4S-20201230
Lab Sample ID: 410-25282-15

Date Collected: 12/30/20 09:06
Matrix: Ground Water
Date Received: 12/31/20 08:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 15:36	H9JD	ELLE
Total/NA	Prep	3510C			82383	01/06/21 09:50	U2SJ	ELLE
Total/NA	Analysis	8270D		1	82839	01/07/21 17:54	WKV3	ELLE

Client Sample ID: MW-4D-20201230
Date Collected: 12/30/20 09:46
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-16
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 15:58	H9JD	ELLE
Total/NA	Prep	3510C			82383	01/06/21 09:50	U2SJ	ELLE
Total/NA	Analysis	8270D		1	82839	01/07/21 18:23	WKV3	ELLE

Client Sample ID: MW-3-20201230
Date Collected: 12/30/20 10:37
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-17
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	82360	01/06/21 16:20	H9JD	ELLE
Total/NA	Prep	3510C			82383	01/06/21 09:50	U2SJ	ELLE
Total/NA	Analysis	8270D		1	82839	01/07/21 18:52	WKV3	ELLE
Total/NA	Prep	3510C	DL		82383	01/06/21 09:50	U2SJ	ELLE
Total/NA	Analysis	8270D	DL	5	83166	01/08/21 00:50	LW6J	ELLE

Client Sample ID: MW-13D-20201230
Date Collected: 12/30/20 11:26
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-18
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 16:42	H9JD	ELLE
Total/NA	Prep	3510C			82383	01/06/21 09:50	U2SJ	ELLE
Total/NA	Analysis	8270D		1	82839	01/07/21 19:20	WKV3	ELLE

Client Sample ID: MW-13S-20201230
Date Collected: 12/30/20 12:05
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-19
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	82360	01/06/21 17:04	H9JD	ELLE
Total/NA	Prep	3510C			82383	01/06/21 09:50	U2SJ	ELLE
Total/NA	Analysis	8270D		1	82839	01/07/21 19:49	WKV3	ELLE

Client Sample ID: DUP-20201230
Date Collected: 12/30/20 00:00
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-20
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 17:26	H9JD	ELLE
Total/NA	Prep	3510C			82383	01/06/21 09:50	U2SJ	ELLE
Total/NA	Analysis	8270D		1	82839	01/07/21 20:17	WKV3	ELLE
Total/NA	Prep	3510C	DL		82383	01/06/21 09:50	U2SJ	ELLE
Total/NA	Analysis	8270D	DL	5	83166	01/08/21 01:19	LW6J	ELLE

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-25282-1

Client Sample ID: Trip Blank-20201230

Date Collected: 12/30/20 00:00
Date Received: 12/31/20 08:12

Lab Sample ID: 410-25282-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	82360	01/06/21 11:11	H9JD	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Brown and Caldwell
Project/Site: Patchogue, NY

Job ID: 410-25282-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	01-27-21
Alaska	State	PA00009	06-30-21
Alaska (UST)	State	17-027	01-31-21
Arizona	State	AZ0780	03-12-21
Arkansas DEQ	State	19-053-0	08-09-21
California	State	2792	01-31-21
Colorado	State	PA00009	06-30-21
Connecticut	State	PH-0746	06-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-22
Delaware (DW)	State	N/A	01-25-21
Florida	NELAP	E87997	07-01-21
Hawaii	State	N/A	01-31-21
Illinois	NELAP	004559	01-31-21
Iowa	State	361	03-02-22
Kansas	NELAP	E-10151	10-31-21
Kentucky (DW)	State	KY90088	01-01-22
Kentucky (WW)	State	KY90088	12-31-21
Louisiana	NELAP	02055	06-30-21
Maine	State	2019012	03-12-21
Maryland	State	100	06-30-21
Massachusetts	State	M-PA009	06-30-21
Michigan	State	9930	01-31-21
Minnesota	NELAP	042-999-487	12-31-21
Missouri	State	450	01-31-22
Montana (DW)	State	0098	01-01-22
Montana (UST)	State	0098	01-01-22
Nebraska	State	NE-OS-32-17	01-31-20 *
Nevada	State	PA000092019-3	07-31-21
New Hampshire	NELAP	273019	01-10-22
New Jersey	NELAP	PA011	06-30-21
New York	NELAP	10670	04-01-21
North Carolina (DW)	State	42705	07-31-21
North Carolina (WW/SW)	State	521	12-31-21
North Dakota	State	R-205	01-31-20 *
Oklahoma	NELAP	R-205	02-01-21
Oregon	NELAP	PA200001-018	09-12-21
PALA	Canada	1978	05-08-21
Pennsylvania	NELAP	36-00037	01-31-22
South Carolina	State	89002002	01-31-21
Tennessee	State	02838	01-31-21
Texas	NELAP	T104704194-20-38	08-31-21
Utah	NELAP	PA000092019-16	02-28-21
Vermont	State	VT - 36037	10-29-21
Virginia	NELAP	10561	06-14-21
Washington	State	C457	04-11-21
West Virginia DEP	State	055	06-30-21
Wyoming	State	8TMS-L	01-31-22
Wyoming (UST)	A2LA	1.01	01-27-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-1-20201228	410-25282-1	94	100	100	93
MW-10S-20201228	410-25282-2	95	97	99	94
MW-10D-20201228	410-25282-3	94	96	99	93
MW-8S-20201228	410-25282-4	95	97	100	95
MW-8D-20201229	410-25282-5	95	100	99	94
MW-7S-20201229	410-25282-6	95	99	100	95
MW-7D-20201229	410-25282-7	94	99	100	95
MW-14S-20201229	410-25282-8	96	100	101	95
MW-14D-20201229	410-25282-9	93	96	100	94
MW-12S-20201229	410-25282-10	95	99	99	94
MW-12D-20201229	410-25282-11	94	99	99	94
FB-20201229	410-25282-12	95	100	101	94
MW-11S-20201229	410-25282-13	95	99	100	94
MW-11D-20201229	410-25282-14	94	96	101	95
MW-4S-20201230	410-25282-15	94	101	100	93
MW-4D-20201230	410-25282-16	93	100	100	94
MW-3-20201230	410-25282-17	95	97	98	93
MW-13D-20201230	410-25282-18	96	99	99	95
MW-13S-20201230	410-25282-19	95	98	98	94
DUP-20201230	410-25282-20	94	98	100	94
Trip Blank-20201230	410-25282-21	95	99	100	94
	MB 410-82265/6	96	100	100	94
	MB 410-82360/7	96	98	99	93
	LCS 410-82265/4	95	97	100	96
	LCS 410-82360/5	96	97	100	95
MW-10D-20201228 MS	410-25282-3 MS	96	98	100	95
MW-10D-20201228 MSD	410-25282-3 MSD	95	99	100	95

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	80-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NJ05L35.D

Lab ID: LCS 410-82265/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	20.0	19.5	97	80-120	
Ethylbenzene	20.0	19.8	99	80-120	
Toluene	20.0	20.1	101	80-120	
Xylenes, Total	60.0	60.6	101	80-120	
Methyl tertiary butyl ether	20.0	18.3	92	69-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NJ06L01.D

Lab ID: LCS 410-82360/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	20.0	20.0	100	80-120	
Ethylbenzene	20.0	20.5	103	80-120	
Toluene	20.0	20.7	103	80-120	
Xylenes, Total	60.0	61.6	103	80-120	
Methyl tertiary butyl ether	20.0	18.3	92	69-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NJ06S04.D

Lab ID: 410-25282-3 MS Client ID: MW-10D-20201228 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	20.0	ND	22.1	110	80-120	
Ethylbenzene	20.0	ND	22.4	112	80-120	
Toluene	20.0	ND	22.4	112	80-120	
Xylenes, Total	60.0	ND	66.8	111	80-120	
Methyl tertiary butyl ether	20.0	ND	18.9	94	69-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: NJ06S05.D

Lab ID: 410-25282-3 MSD Client ID: MW-10D-20201228 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzene	20.0	22.6	113	2	30	80-120	
Ethylbenzene	20.0	23.1	116	3	30	80-120	
Toluene	20.0	22.9	115	2	30	80-120	
Xylenes, Total	60.0	68.6	114	3	30	80-120	
Methyl tertiary butyl ether	20.0	18.7	93	1	30	69-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab File ID: NJ05B35.D Lab Sample ID: MB 410-82265/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 7159 Date Analyzed: 01/05/2021 20:46

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-82265/4	NJ05L35.D	01/05/2021 20:02
MW-1-20201228	410-25282-1	NJ05S48.D	01/06/2021 02:00
MW-10S-20201228	410-25282-2	NJ05S49.D	01/06/2021 02:22
MW-8S-20201228	410-25282-4	NJ05S50.D	01/06/2021 02:44
MW-8D-20201229	410-25282-5	NJ05S51.D	01/06/2021 03:06

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab File ID: NJ06B01.D Lab Sample ID: MB 410-82360/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 7159 Date Analyzed: 01/06/2021 09:55

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-82360/5	NJ06L01.D	01/06/2021 09:11
FB-20201229	410-25282-12	NJ06S01.D	01/06/2021 10:49
Trip Blank-20201230	410-25282-21	NJ06S02.D	01/06/2021 11:11
MW-10D-20201228	410-25282-3	NJ06S03.D	01/06/2021 11:33
MW-10D-20201228 MS	410-25282-3 MS	NJ06S04.D	01/06/2021 11:55
MW-10D-20201228 MSD	410-25282-3 MSD	NJ06S05.D	01/06/2021 12:17
MW-7S-20201229	410-25282-6	NJ06S06.D	01/06/2021 12:39
MW-7D-20201229	410-25282-7	NJ06S07.D	01/06/2021 13:01
MW-14S-20201229	410-25282-8	NJ06S08.D	01/06/2021 13:23
MW-14D-20201229	410-25282-9	NJ06S09.D	01/06/2021 13:45
MW-12S-20201229	410-25282-10	NJ06S10.D	01/06/2021 14:07
MW-12D-20201229	410-25282-11	NJ06S11.D	01/06/2021 14:30
MW-11S-20201229	410-25282-13	NJ06S12.D	01/06/2021 14:52
MW-11D-20201229	410-25282-14	NJ06S13.D	01/06/2021 15:14
MW-4S-20201230	410-25282-15	NJ06S14.D	01/06/2021 15:36
MW-4D-20201230	410-25282-16	NJ06S15.D	01/06/2021 15:58
MW-3-20201230	410-25282-17	NJ06S16.D	01/06/2021 16:20
MW-13D-20201230	410-25282-18	NJ06S17.D	01/06/2021 16:42
MW-13S-20201230	410-25282-19	NJ06S18.D	01/06/2021 17:04
DUP-20201230	410-25282-20	NJ06S19.D	01/06/2021 17:26

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: NN09T01.D BFB Injection Date: 11/09/2020

Instrument ID: 7159 BFB Injection Time: 12:33

Analysis Batch No.: 63741

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.9	
75	30.0 - 60.0 % of mass 95	48.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	70.5	
175	5.0 - 9.0 % of mass 174	5.4	(7.7) 1
176	95.0 - 101.0 % of mass 174	67.6	(96.0) 1
177	5.0 - 9.0 % of mass 176	4.8	(7.1) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-63741/3	NN09I01.D	11/09/2020	13:40
	IC 410-63741/4	NN09I02.D	11/09/2020	14:02
	ICIS 410-63741/5	NN09I03.D	11/09/2020	14:24
	IC 410-63741/6	NN09I04.D	11/09/2020	14:46
	IC 410-63741/7	NN09I05.D	11/09/2020	15:08
	IC 410-63741/8	NN09I06.D	11/09/2020	15:30
	IC 410-63741/9	NN09I07.D	11/09/2020	15:52
	ICV 410-63741/10	NN09V01.D	11/09/2020	16:14

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: NJ05T35.D BFB Injection Date: 01/05/2021

Instrument ID: 7159 BFB Injection Time: 19:02

Analysis Batch No.: 82265

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	45.7	
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	79.5	
175	5.0 - 9.0 % of mass 174	6.1	(7.7) 1
176	95.0 - 101.0 % of mass 174	76.6	(96.4) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.9) 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 410-82265/3	NJ05C35.D	01/05/2021	19:39
	LCS 410-82265/4	NJ05L35.D	01/05/2021	20:02
	MB 410-82265/6	NJ05B35.D	01/05/2021	20:46
MW-1-20201228	410-25282-1	NJ05S48.D	01/06/2021	2:00
MW-10S-20201228	410-25282-2	NJ05S49.D	01/06/2021	2:22
MW-8S-20201228	410-25282-4	NJ05S50.D	01/06/2021	2:44
MW-8D-20201229	410-25282-5	NJ05S51.D	01/06/2021	3:06

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: NJ06T01.D BFB Injection Date: 01/06/2021

Instrument ID: 7159 BFB Injection Time: 07:49

Analysis Batch No.: 82360

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.7
75	30.0 - 60.0 % of mass 95	46.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	77.9
175	5.0 - 9.0 % of mass 174	6.3 (8.1) 1
176	95.0 - 101.0 % of mass 174	74.7 (95.9) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-82360/3	NJ06C01.D	01/06/2021	8:27
	LCS 410-82360/5	NJ06L01.D	01/06/2021	9:11
	MB 410-82360/7	NJ06B01.D	01/06/2021	9:55
FB-20201229	410-25282-12	NJ06S01.D	01/06/2021	10:49
Trip Blank-20201230	410-25282-21	NJ06S02.D	01/06/2021	11:11
MW-10D-20201228	410-25282-3	NJ06S03.D	01/06/2021	11:33
MW-10D-20201228 MS	410-25282-3 MS	NJ06S04.D	01/06/2021	11:55
MW-10D-20201228 MSD	410-25282-3 MSD	NJ06S05.D	01/06/2021	12:17
MW-7S-20201229	410-25282-6	NJ06S06.D	01/06/2021	12:39
MW-7D-20201229	410-25282-7	NJ06S07.D	01/06/2021	13:01
MW-14S-20201229	410-25282-8	NJ06S08.D	01/06/2021	13:23
MW-14D-20201229	410-25282-9	NJ06S09.D	01/06/2021	13:45
MW-12S-20201229	410-25282-10	NJ06S10.D	01/06/2021	14:07
MW-12D-20201229	410-25282-11	NJ06S11.D	01/06/2021	14:30
MW-11S-20201229	410-25282-13	NJ06S12.D	01/06/2021	14:52
MW-11D-20201229	410-25282-14	NJ06S13.D	01/06/2021	15:14
MW-4S-20201230	410-25282-15	NJ06S14.D	01/06/2021	15:36
MW-4D-20201230	410-25282-16	NJ06S15.D	01/06/2021	15:58
MW-3-20201230	410-25282-17	NJ06S16.D	01/06/2021	16:20
MW-13D-20201230	410-25282-18	NJ06S17.D	01/06/2021	16:42
MW-13S-20201230	410-25282-19	NJ06S18.D	01/06/2021	17:04
DUP-20201230	410-25282-20	NJ06S19.D	01/06/2021	17:26

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: ICIS 410-63741/5 Date Analyzed: 11/09/2020 14:24

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NN09I03.D Heated Purge: (Y/N) N

Calibration ID: 15009

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		325187	4.39	1304709	7.91	987609	11.35
UPPER LIMIT		650374	4.89	2609418	8.41	1975218	11.85
LOWER LIMIT		162594	3.89	652355	7.41	493805	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-63741/10		337942	4.37	1312200	7.90	984463	11.35
CCVIS 410-82265/3		315127	4.37	1181473	7.90	855160	11.35
CCVIS 410-82360/3		229029	4.37	1152162	7.90	833940	11.35

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: ICIS 410-63741/5 Date Analyzed: 11/09/2020 14:24

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NN09I03.D Heated Purge: (Y/N) N

Calibration ID: 15009

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		515083	13.23				
UPPER LIMIT		1030166	13.73				
LOWER LIMIT		257542	12.73				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-63741/10		512709	13.23				
CCVIS 410-82265/3		437208	13.23				
CCVIS 410-82360/3		435723	13.23				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82265/3 Date Analyzed: 01/05/2021 19:39

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NJ05C35.D Heated Purge: (Y/N) N

Calibration ID: 15009

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		315127	4.37	1181473	7.90	855160	11.35
UPPER LIMIT		630254	4.87	2362946	8.40	1710320	11.85
LOWER LIMIT		157564	3.87	590737	7.40	427580	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-82265/4		350461	4.40	1188246	7.90	845429	11.35
MB 410-82265/6		328735	4.38	1186417	7.90	853746	11.35
410-25282-1	MW-1-20201228	336918	4.37	1210681	7.90	866826	11.35
410-25282-2	MW-10S-20201228	334798	4.36	1212220	7.90	866492	11.35
410-25282-4	MW-8S-20201228	330864	4.37	1175544	7.90	843353	11.35
410-25282-5	MW-8D-20201229	333073	4.39	1195254	7.90	866048	11.35

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82265/3 Date Analyzed: 01/05/2021 19:39

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NJ05C35.D Heated Purge: (Y/N) N

Calibration ID: 15009

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		437208	13.23				
UPPER LIMIT		874416	13.73				
LOWER LIMIT		218604	12.73				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-82265/4		435667	13.23				
MB 410-82265/6		441345	13.22				
410-25282-1	MW-1-20201228	452847	13.23				
410-25282-2	MW-10S-20201228	444639	13.23				
410-25282-4	MW-8S-20201228	434261	13.22				
410-25282-5	MW-8D-20201229	444620	13.23				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82360/3 Date Analyzed: 01/06/2021 08:27

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NJ06C01.D Heated Purge: (Y/N) N

Calibration ID: 15009

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		229029	4.37	1152162	7.90	833940	11.35
UPPER LIMIT		458058	4.87	2304324	8.40	1667880	11.85
LOWER LIMIT		114515	3.87	576081	7.40	416970	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-82360/5		289616	4.38	1187537	7.90	856050	11.35
MB 410-82360/7		320516	4.38	1177474	7.90	848202	11.35
410-25282-12	FB-20201229	320043	4.37	1166932	7.90	836715	11.35
410-25282-21	Trip Blank-20201230	301285	4.38	1166364	7.90	844133	11.35
410-25282-3	MW-10D-20201228	299156	4.37	1187858	7.90	853947	11.35
410-25282-3 MS	MW-10D-20201228 MS	291033	4.36	1166039	7.90	843603	11.35
410-25282-3 MSD	MW-10D-20201228 MSD	306131	4.37	1152692	7.90	829628	11.35
410-25282-6	MW-7S-20201229	305545	4.37	1167874	7.90	838757	11.35
410-25282-7	MW-7D-20201229	297746	4.37	1134752	7.90	812250	11.35
410-25282-8	MW-14S-20201229	300395	4.37	1140512	7.90	815241	11.35
410-25282-9	MW-14D-20201229	293239	4.38	1170074	7.90	832569	11.35
410-25282-10	MW-12S-20201229	297057	4.38	1177614	7.90	846280	11.35
410-25282-11	MW-12D-20201229	295167	4.37	1172295	7.90	844738	11.35
410-25282-13	MW-11S-20201229	301237	4.38	1189835	7.90	856844	11.35
410-25282-14	MW-11D-20201229	299677	4.36	1178606	7.90	835702	11.35
410-25282-15	MW-4S-20201230	301239	4.36	1167556	7.90	841155	11.35
410-25282-16	MW-4D-20201230	298075	4.37	1154601	7.90	828650	11.35
410-25282-17	MW-3-20201230	293519	4.37	1147067	7.90	840069	11.35
410-25282-18	MW-13D-20201230	294161	4.36	1141640	7.90	827882	11.35
410-25282-19	MW-13S-20201230	305541	4.36	1153864	7.90	837899	11.35
410-25282-20	DUP-20201230	271986	4.37	1158902	7.90	828506	11.35

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82360/3 Date Analyzed: 01/06/2021 08:27

Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): NJ06C01.D Heated Purge: (Y/N) N

Calibration ID: 15009

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		435723	13.23				
UPPER LIMIT		871446	13.73				
LOWER LIMIT		217862	12.73				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-82360/5		444158	13.23				
MB 410-82360/7		437690	13.23				
410-25282-12	FB-20201229	434711	13.23				
410-25282-21	Trip Blank-20201230	438897	13.23				
410-25282-3	MW-10D-20201228	445146	13.23				
410-25282-3 MS	MW-10D-20201228 MS	435093	13.22				
410-25282-3 MSD	MW-10D-20201228 MSD	428670	13.23				
410-25282-6	MW-7S-20201229	435495	13.23				
410-25282-7	MW-7D-20201229	416009	13.23				
410-25282-8	MW-14S-20201229	423968	13.23				
410-25282-9	MW-14D-20201229	430099	13.23				
410-25282-10	MW-12S-20201229	432176	13.23				
410-25282-11	MW-12D-20201229	439079	13.23				
410-25282-13	MW-11S-20201229	443732	13.23				
410-25282-14	MW-11D-20201229	436914	13.23				
410-25282-15	MW-4S-20201230	433822	13.22				
410-25282-16	MW-4D-20201230	424709	13.23				
410-25282-17	MW-3-20201230	431571	13.23				
410-25282-18	MW-13D-20201230	423673	13.22				
410-25282-19	MW-13S-20201230	434327	13.23				
410-25282-20	DUP-20201230	432213	13.23				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-1-20201228 Lab Sample ID: 410-25282-1

Matrix: Ground Water Lab File ID: NJ05S48.D

Analysis Method: 8260C Date Collected: 12/28/2020 12:55

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 02:00

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82265 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		5.0	1.0
100-41-4	Ethylbenzene	ND		5.0	2.0
108-88-3	Toluene	ND		5.0	1.0
1330-20-7	Xylenes, Total	ND		30	7.0
1634-04-4	Methyl tertiary butyl ether	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05S48.D
Lims ID: 410-25282-A-1
Client ID: MW-1-2020128
Sample Type: Client
Inject. Date: 06-Jan-2021 02:00:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 410-0019274-020
Misc. Info.: 410-25282-A-1
Operator ID: etp33087 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 11:00:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 10:51:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.367	4.373	-0.006	0	336918	250.0	
33 Methyl tert-butyl ether	73		4.793				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.007	-0.006	93	262811	46.8	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.470	-0.013	98	76118	50.2	
60 Benzene	78		7.500				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.902	-0.007	99	1210681	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1167506	50.2	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	866826	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.570				ND	7
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.343	0.000	89	422107	46.6	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	452847	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

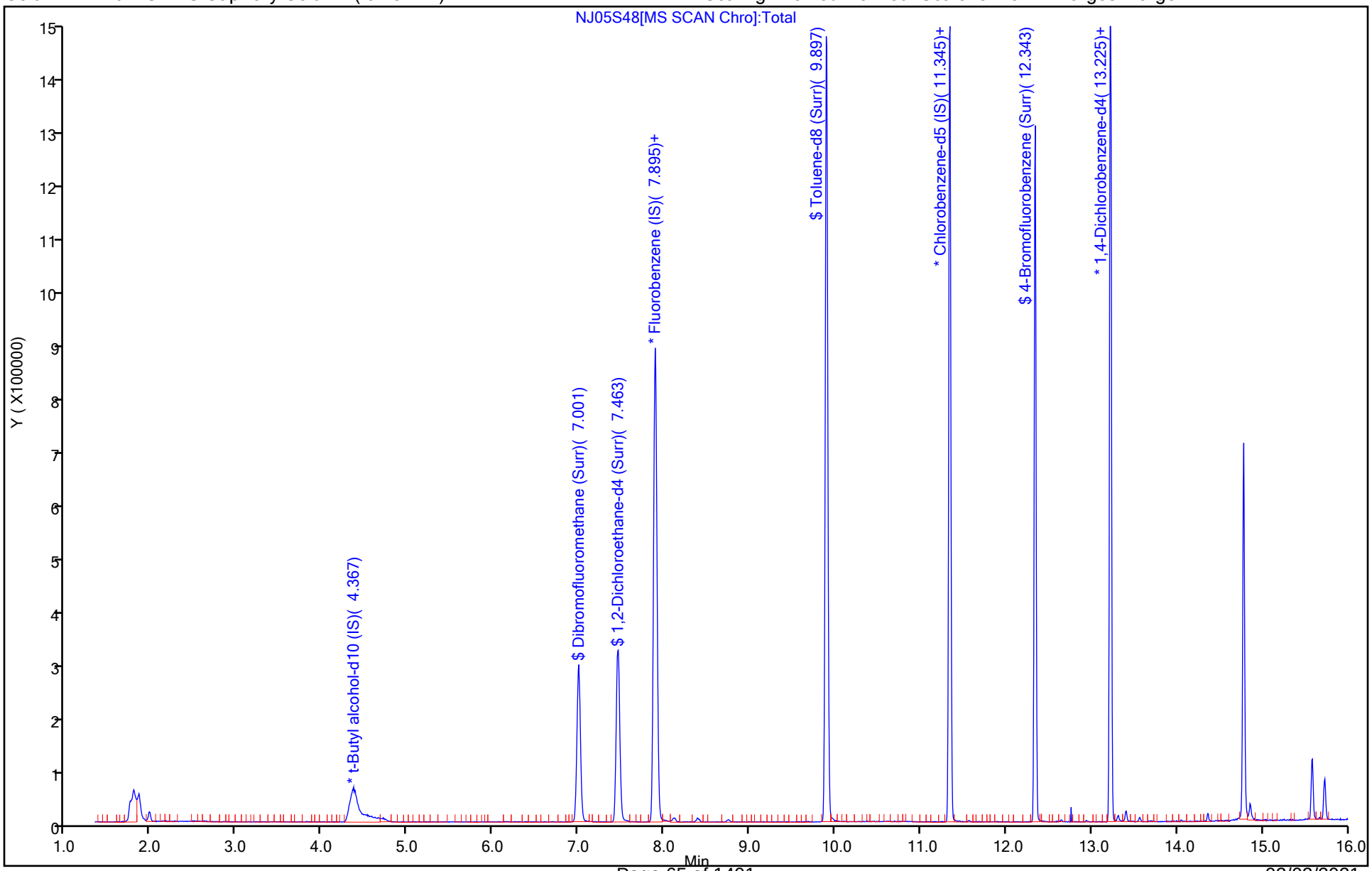
MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 11:01:22 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05S48.D				
Injection Date:	06-Jan-2021 02:00:30	Instrument ID:	7159	Operator ID:	etp33087
Lims ID:	410-25282-A-1	Lab Sample ID:	410-25282-1	Worklist Smp#:	20
Client ID:	MW-1-2020128				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	19
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-10S-20201228 Lab Sample ID: 410-25282-2

Matrix: Ground Water Lab File ID: NJ05S49.D

Analysis Method: 8260C Date Collected: 12/28/2020 13:47

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 02:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82265 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05S49.D
Lims ID: 410-25282-A-2
Client ID: MW-10S-20201228
Sample Type: Client
Inject. Date: 06-Jan-2021 02:22:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019274-021
Misc. Info.: 410-25282-A-2
Operator ID: etp33087 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 11:00:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 10:51:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.361	4.373	-0.012	0	334798	250.0	
33 Methyl tert-butyl ether	73		4.793				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.007	-0.006	94	267680	47.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.470	-0.013	98	73867	48.7	
60 Benzene	78		7.500				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.902	-0.007	99	1212220	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1154368	49.7	
82 Toluene	92		9.976				ND	7
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	866492	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.570				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.343	0.000	90	424378	46.8	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	96	444639	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

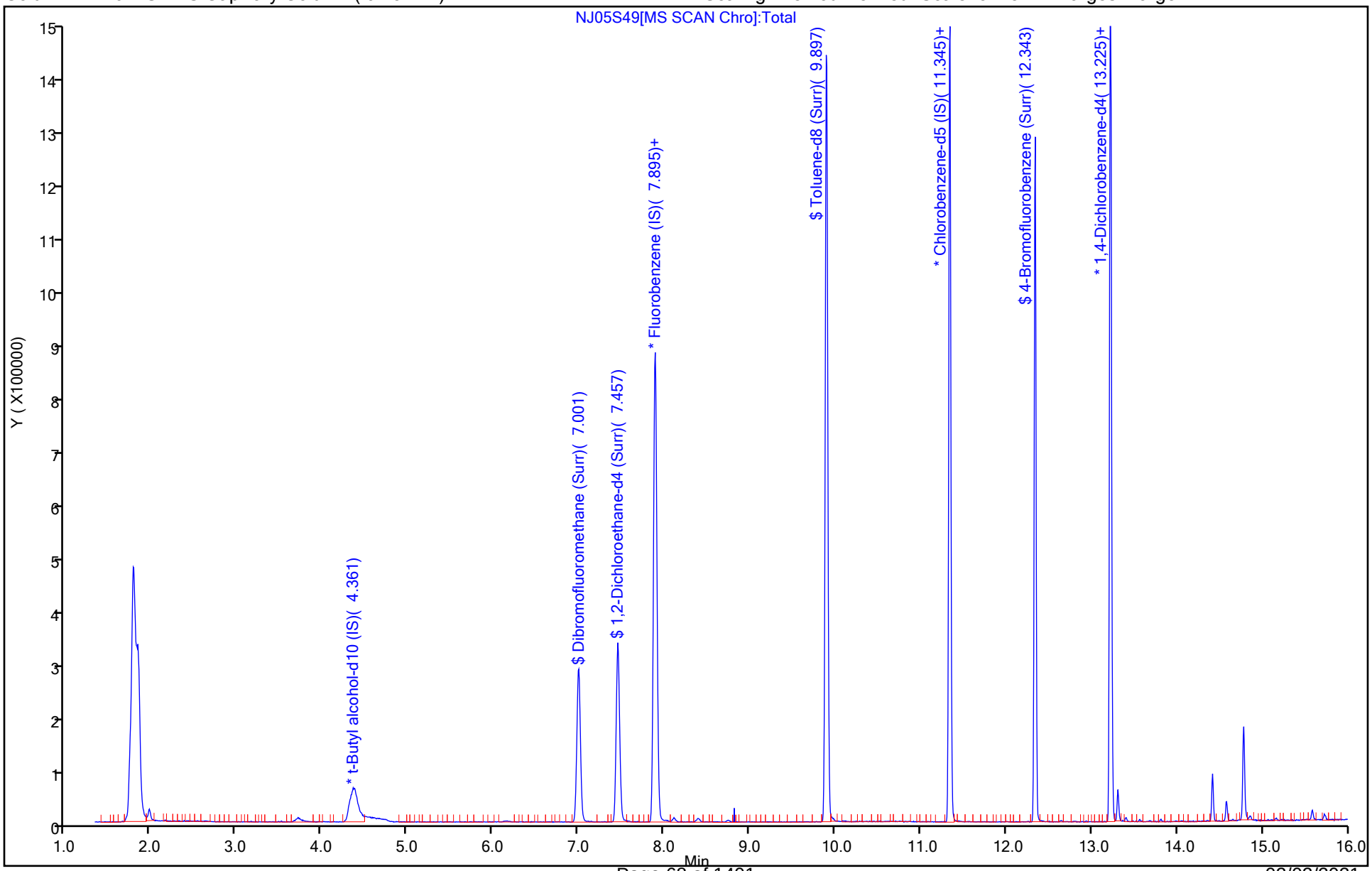
Report Date: 06-Jan-2021 11:01:24 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05S49.D

Injection Date:	06-Jan-2021 02:22:30	Instrument ID:	7159	Operator ID:	etp33087
Lims ID:	410-25282-A-2	Lab Sample ID:	410-25282-2	Worklist Smp#:	21
Client ID:	MW-10S-20201228				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-10D-20201228 Lab Sample ID: 410-25282-3

Matrix: Ground Water Lab File ID: NJ06S03.D

Analysis Method: 8260C Date Collected: 12/28/2020 14:31

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S03.D
Lims ID: 410-25282-A-3
Client ID: MW-10D-20201228
Sample Type: Client
Inject. Date: 06-Jan-2021 11:33:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-010
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 12:51:09 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 12:15:25

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.170				ND	
2	Chlorodifluoromethane	51		1.389				ND	
3	2-Chloro-1,1,1-Trifluoroethane	118		1.389				ND	
4	Ethyl ether	59		1.926				ND	
5	Dichlorodifluoromethane	85		2.013				ND	
6	Chloromethane	50		2.225				ND	
7	Acetonitrile	41		2.334				ND	
8	Vinyl chloride	62		2.347				ND	
9	Butadiene	39		2.347				ND	
10	Bromomethane	94		2.688				ND	
11	Chloroethane	64		2.779				ND	
12	Dichlorofluoromethane	67		3.028				ND	
13	Trichlorofluoromethane	101		3.095				ND	
14	Vinyl acetate	43		3.115				ND	
15	Pentane	43		3.144				ND	
16	Ethanol	45		3.223				ND	
17	1,2-Dichloro-1,1,2-trifluoroetha	67		3.442				ND	
18	Acrolein	56		3.539				ND	
19	Ethyl acetate	43	3.716	3.675	0.041	1	224	NC	
20	1,1-Dichloroethene	96		3.685				ND	
21	Acetone	58		3.710				ND	
22	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.716				ND	
23	Isopropyl alcohol	45		3.868				ND	
24	Iodomethane	142		3.892				ND	
25	Carbon disulfide	76		4.008				ND	
26	Methyl acetate	43		4.154				ND	
27	3-Chloro-1-propene	41		4.184				ND	
* 29	t-Butyl alcohol-d10 (IS)	65	4.373	4.367	0.006	0	299156	250.0	
28	Methylene Chloride	84		4.379				ND	
31	2-Methyl-2-propanol	59		4.501				ND	
30	Isopropyl acetate	43		4.535				ND	
32	Acrylonitrile	53		4.714				ND	

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
	33 Methyl tert-butyl ether	73		4.781				ND	
	34 trans-1,2-Dichloroethene	96		4.805				ND	
	36 Hexane	57		5.231				ND	
	37 1,1-Dichloroethane	63		5.468				ND	
	39 Isopropyl ether	45		5.517				ND	
	38 n-Propyl acetate	61		5.529				ND	
	40 2-Chloro-1,3-butadiene	53		5.577				ND	
	41 Tert-butyl ethyl ether	59		6.058				ND	
S	42 1,2-Dichloroethene, Total	100		6.155				ND	7
	43 2-Butanone (MEK)	43		6.253				ND	
	44 cis-1,2-Dichloroethene	96		6.301				ND	
	45 2,2-Dichloropropane	77		6.320				ND	
	46 Propionitrile	54		6.344				ND	
	47 Methacrylonitrile	67		6.563				ND	
	48 Chlorobromomethane	128		6.636				ND	
	49 Tetrahydrofuran	71		6.636				ND	
	50 Chloroform	83		6.782				ND	
$	51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	258441	46.9	
	52 1,1,1-Trichloroethane	97		7.019				ND	
	53 3,4-Dichloro-1-butene	75		7.108				ND	
	54 Cyclohexane	56		7.117				ND	
	56 1,1-Dichloropropene	75		7.232				ND	
	55 Carbon tetrachloride	117		7.232				ND	
	57 n-Butyl acetate	43		7.333				ND	
	58 Isobutyl alcohol	41		7.354				ND	
$	59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	71490	48.1	
	60 Benzene	78		7.494				ND	
	61 1,2-Dichloroethane	62		7.567				ND	7
	62 Tert-amyl methyl ether	73		7.682				ND	
	63 t-Amyl alcohol	73	7.895	7.895	0.000	34	14476	NC	
*	64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1187858	50.0	
	65 n-Heptane	43		7.907				ND	
	66 n-Butanol	56		8.242				ND	
	67 Trichloroethene	95		8.376				ND	
	68 Methylcyclohexane	83		8.698				ND	
	69 2-ethoxy-2-methyl butane	87		8.717				ND	
	70 1,2-Dichloropropane	63		8.717				ND	
	71 Methyl methacrylate	69		8.790				ND	
	72 1,4-Dioxane	88		8.802				ND	
	74 Dibromomethane	93		8.832				ND	
	73 cis-1,4-Dichloro-2-butene	88		8.833				ND	
	75 Dichlorobromomethane	83		9.063				ND	
	76 2,3,4-Trichlorobutene	109		9.296				ND	
	77 2-Nitropropane	41		9.319				ND	
	78 2-Chloroethyl vinyl ether	63		9.410				ND	
	79 cis-1,3-Dichloropropene	75		9.599				ND	
	80 4-Methyl-2-pentanone (MIBK)	43		9.757				ND	
$	81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1138398	49.7	
	82 Toluene	92		9.976				ND	
S	83 1,3-Dichloropropene, Total	100		10.060				ND	7
	84 trans-1,3-Dichloropropene	75		10.225				ND	
	85 Ethyl methacrylate	69		10.280				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
86 1,1,2-Trichloroethane	97		10.426				ND	
87 Tetrachloroethene	166		10.517				ND	
88 1,3-Dichloropropane	76		10.590				ND	
89 2-Hexanone	43		10.633				ND	
90 Chlorodibromomethane	129		10.803				ND	
91 Ethylene Dibromide	107		10.919				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	853947	50.0	
94 1-Chlorohexane	91		11.345				ND	U
95 Chlorobenzene	112		11.369				ND	
96 1,1,1,2-Tetrachloroethane	131		11.448				ND	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
100 Styrene	104		11.910				ND	
101 Bromoform	173		12.069				ND	
102 Isopropylbenzene	105		12.196				ND	
103 Cyclohexanone	55		12.269				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.342	0.001	89	416258	46.6	
105 1,1,2,2-Tetrachloroethane	83		12.434				ND	
106 Bromobenzene	156		12.458				ND	
107 trans-1,4-Dichloro-2-butene	53		12.464				ND	
108 1,2,3-Trichloropropane	110		12.482				ND	
109 N-Propylbenzene	91		12.525				ND	
110 2-Chlorotoluene	126		12.604				ND	
111 1,3,5-Trimethylbenzene	105		12.659				ND	
112 4-Chlorotoluene	126		12.695				ND	
113 tert-Butylbenzene	134		12.902				ND	
114 Pentachloroethane	167		12.939				ND	
115 1,2,4-Trimethylbenzene	105		12.945				ND	
116 sec-Butylbenzene	105		13.066				ND	
117 1,3-Dichlorobenzene	146		13.170				ND	
118 4-Isopropyltoluene	119		13.170				ND	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	445146	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.243	-0.006	88	6334	0.4156	
121 1,2,3-Trimethylbenzene	105		13.249				ND	
122 Benzyl chloride	91		13.316				ND	7
123 1,3-Diethylbenzene	119		13.371				ND	
124 p-Diethylbenzene	119		13.444				ND	
125 n-Butylbenzene	92		13.462				ND	
126 1,2-Dichlorobenzene	146		13.498				ND	
127 o-diethylbenzene	119		13.517				ND	
128 Hexachloroethane	201		13.560				ND	
129 1,2-Dibromo-3-Chloropropane	75		14.046				ND	
130 1,3,5-Trichlorobenzene	180		14.174				ND	
131 1,2,4-Trichlorobenzene	180		14.599				ND	
132 Hexachlorobutadiene	225		14.678				ND	
133 Naphthalene	128		14.782				ND	7
134 1,2,3-Trichlorobenzene	180		14.928				ND	
135 2-Methylnaphthalene	142		15.579				ND	
136 C4-C10	1		0.000				ND	
137 Chloroacetonitrile	1		0.000				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
138 Ethyl bromide	1		0.000				ND	
139 1,3-Divinylbenzene	1		0.000				ND	
140 tert-Butyl Formate	1		0.000				ND	
141 Methyl acrylate	1		0.000				ND	
142 C6-C10	1		0.000				ND	
143 3-chloro-1-Butene	1		0.000				ND	
S 144 Total Diethylbenzene	1		0.000				ND	7
145 1,4-Divinylbenzene TIC	1		0.000				ND	
146 C6-C12	1		0.000				ND	
147 1-Bromo-2-chloroethane	1		0.000				ND	
148 C5-C12	1		0.000				ND	
149 Propene oxide TIC	1		0.000				ND	
150 Diethoxymethane	1		0.000				ND	
151 1,3-Divinylbenzene TIC	1		0.000				ND	
152 2,3-Dichloro-1,3-butadiene	1		0.000				ND	
153 cis-1,2,3-Trichlorobutene-2	1		0.000				ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000				ND	
155 trans-1,2,3-Trichlorobutene-2	1		0.000				ND	
156 1,4-Divinylbenzene	1		0.000				ND	
157 1-Chlorobutane	1		0.000				ND	
158 C4-C12	1		0.000				ND	
159 Methyal TIC	1		0.000				ND	
160 Propene oxide	1		0.000				ND	
161 1,3-Dichlorobutene-2(total)	1		0.000				ND	
S 162 divinyl benzene	1		0.000				ND	7
163 Methylal	1		0.000				ND	
165 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000				ND	
166 Ethyl acrylate	55		0.000				ND	
167 n-Decane	57		0.000				ND	
168 Dodecane	57		0.000				ND	
169 Butane	1		0.000				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

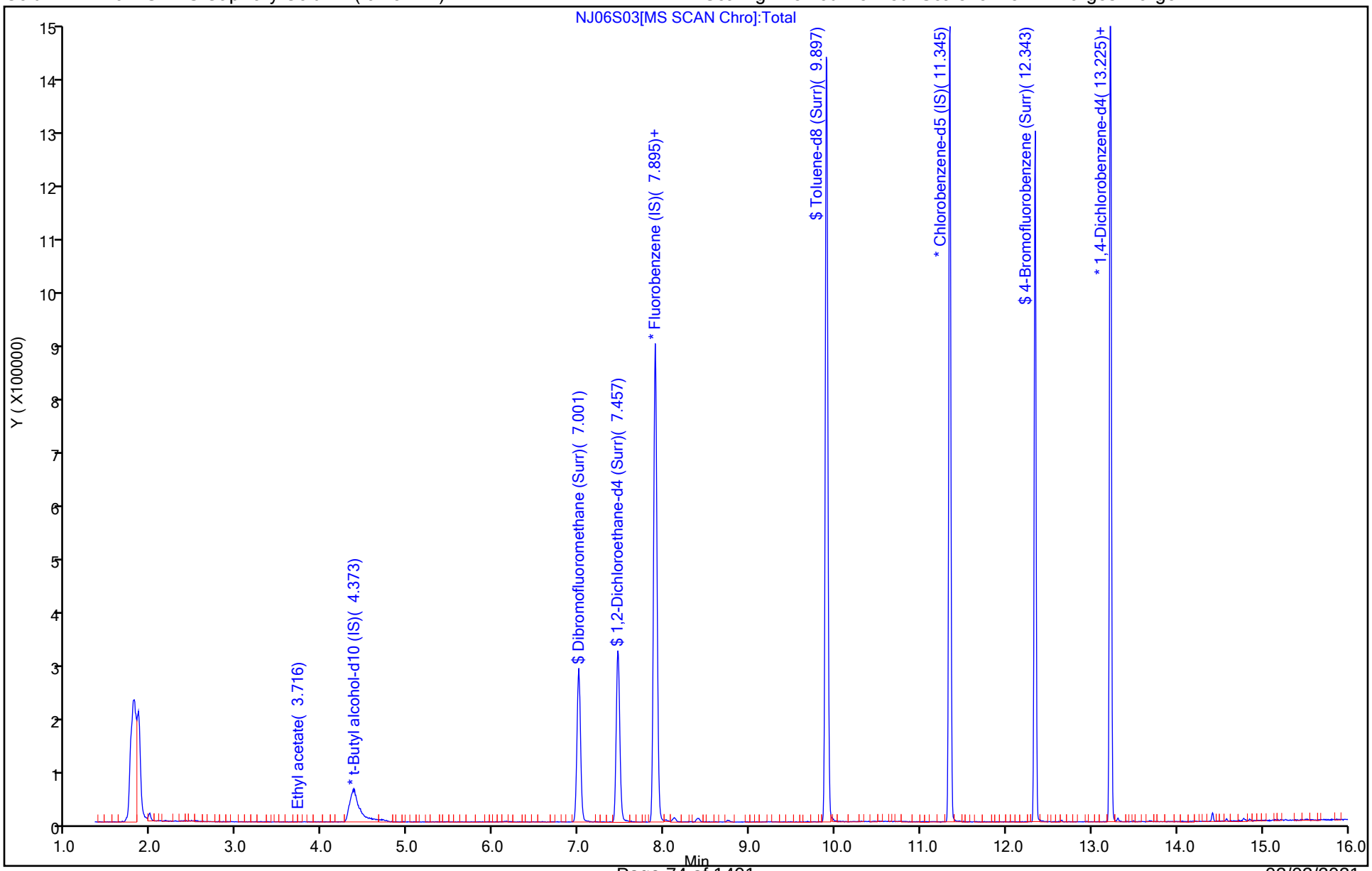
Report Date: 06-Jan-2021 12:53:49 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S03.D

Injection Date:	06-Jan-2021 11:33:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-3	Lab Sample ID:	410-25282-3	Worklist Smp#:	10
Client ID:	MW-10D-20201228				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-8S-20201228 Lab Sample ID: 410-25282-4

Matrix: Ground Water Lab File ID: NJ05S50.D

Analysis Method: 8260C Date Collected: 12/28/2020 15:34

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 02:44

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82265 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		5.0	1.0
100-41-4	Ethylbenzene	ND		5.0	2.0
108-88-3	Toluene	ND		5.0	1.0
1330-20-7	Xylenes, Total	ND		30	7.0
1634-04-4	Methyl tertiary butyl ether	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05S50.D
Lims ID: 410-25282-A-4
Client ID: MW-8S-20201228
Sample Type: Client
Inject. Date: 06-Jan-2021 02:44:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 410-0019274-022
Misc. Info.: 410-25282-A-4
Operator ID: etp33087 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 11:00:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 10:51:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.373	0.000	0	330864	250.0	
33 Methyl tert-butyl ether	73		4.793				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.007	0.000	93	258361	47.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.469	7.470	-0.001	98	71589	48.7	
60 Benzene	78		7.500				ND	
* 64 Fluorobenzene (IS)	96	7.901	7.902	-0.001	99	1175544	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1126445	49.8	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	843353	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.570				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.343	-0.001	88	418978	47.5	
* 119 1,4-Dichlorobenzene-d4	152	13.224	13.225	-0.001	96	434261	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

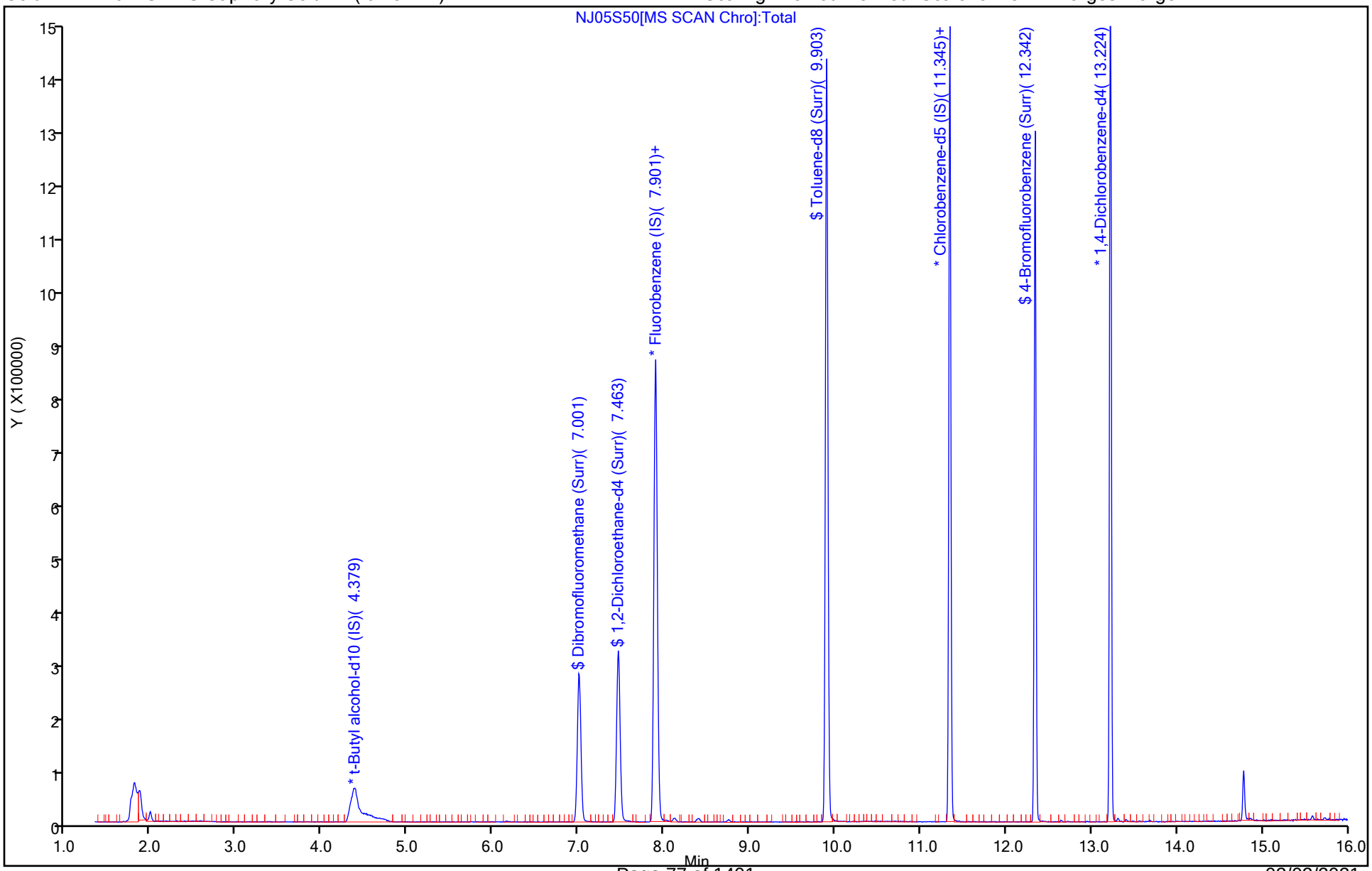
MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 11:01:25 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05S50.D				
Injection Date:	06-Jan-2021 02:44:30	Instrument ID:	7159	Operator ID:	etp33087
Lims ID:	410-25282-A-4	Lab Sample ID:	410-25282-4	Worklist Smp#:	22
Client ID:	MW-8S-20201228				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	21
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-8D-20201229 Lab Sample ID: 410-25282-5

Matrix: Ground Water Lab File ID: NJ05S51.D

Analysis Method: 8260C Date Collected: 12/29/2020 08:22

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 03:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82265 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05S51.D
Lims ID: 410-25282-A-5
Client ID: MW-8D-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 03:06:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019274-023
Misc. Info.: 410-25282-A-5
Operator ID: etp33087 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 11:00:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 10:51:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.385	4.373	0.012	0	333073	250.0	
33 Methyl tert-butyl ether	73		4.793				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.007	0.000	94	262788	47.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.464	7.470	-0.006	98	74756	50.0	
60 Benzene	78		7.500				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.902	-0.007	99	1195254	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1148742	49.4	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	866048	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.570				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.343	0.000	89	426450	47.1	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	444620	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

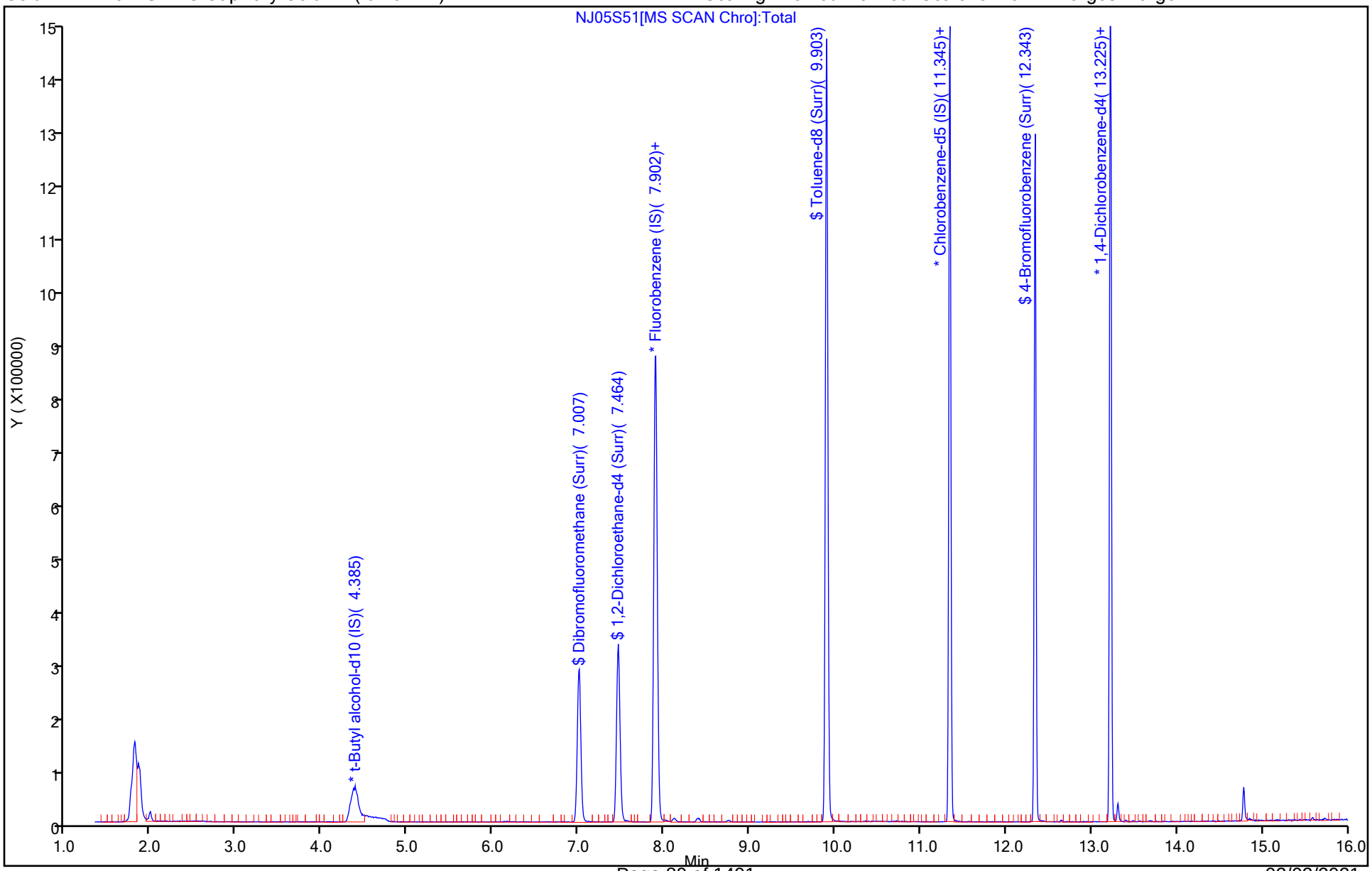
MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 11:01:26 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05S51.D				
Injection Date:	06-Jan-2021 03:06:30	Instrument ID:	7159	Operator ID:	etp33087
Lims ID:	410-25282-A-5	Lab Sample ID:	410-25282-5	Worklist Smp#:	23
Client ID:	MW-8D-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-7S-20201229 Lab Sample ID: 410-25282-6

Matrix: Ground Water Lab File ID: NJ06S06.D

Analysis Method: 8260C Date Collected: 12/29/2020 09:19

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 12:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S06.D
Lims ID: 410-25282-A-6
Client ID: MW-7S-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 12:39:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-013
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:11:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:02:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.367	0.006	0	305545	250.0	M
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	256434	47.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	72151	49.4	
60 Benzene	78	7.500	7.494	0.006	40	5181	0.1843	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1167874	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1123966	50.0	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	838757	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	7
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	88	415406	47.4	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	435495	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

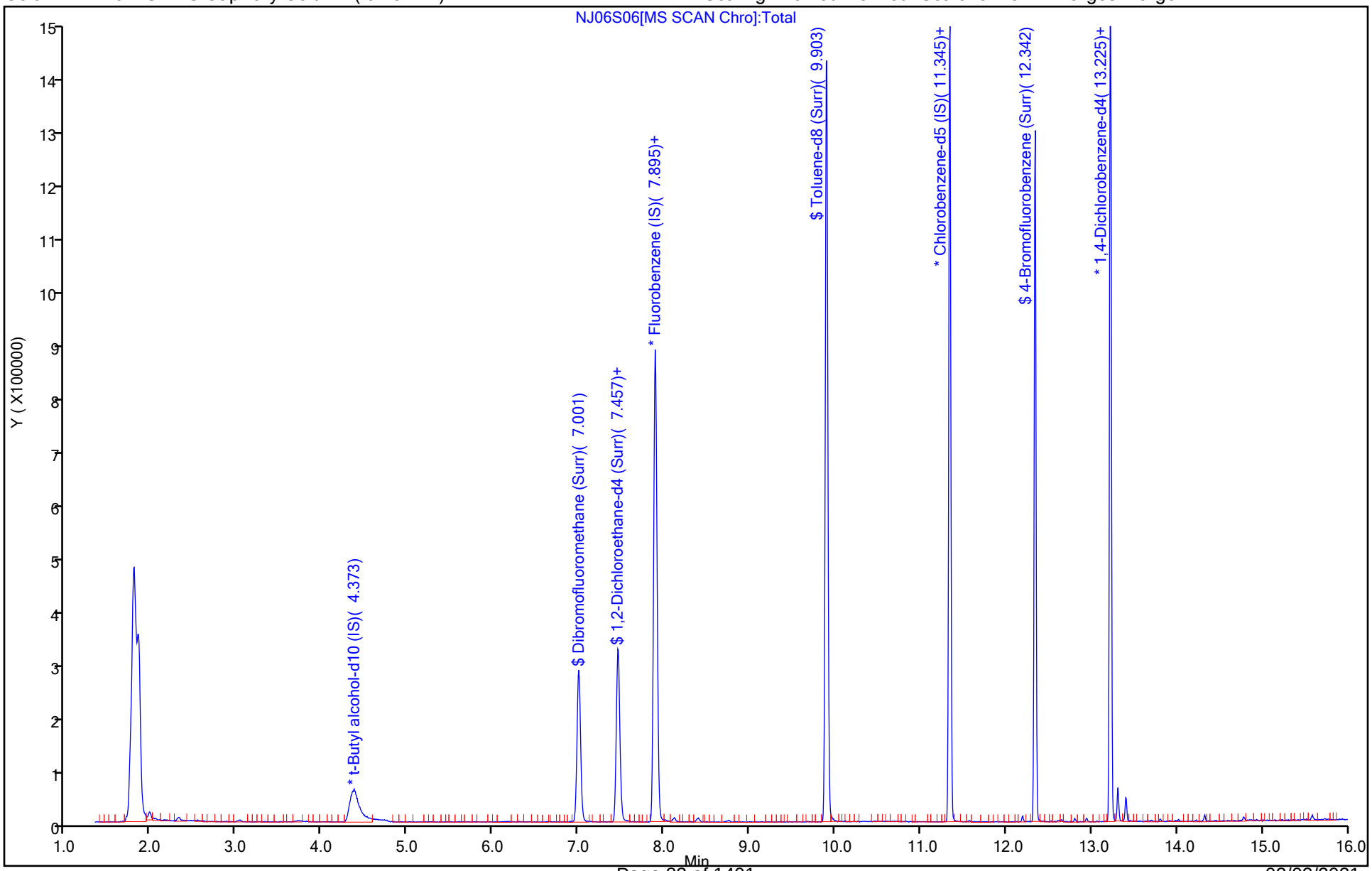
Report Date: 06-Jan-2021 17:12:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S06.D

Injection Date:	06-Jan-2021 12:39:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-6	Lab Sample ID:	410-25282-6	Worklist Smp#:	13
Client ID:	MW-7S-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

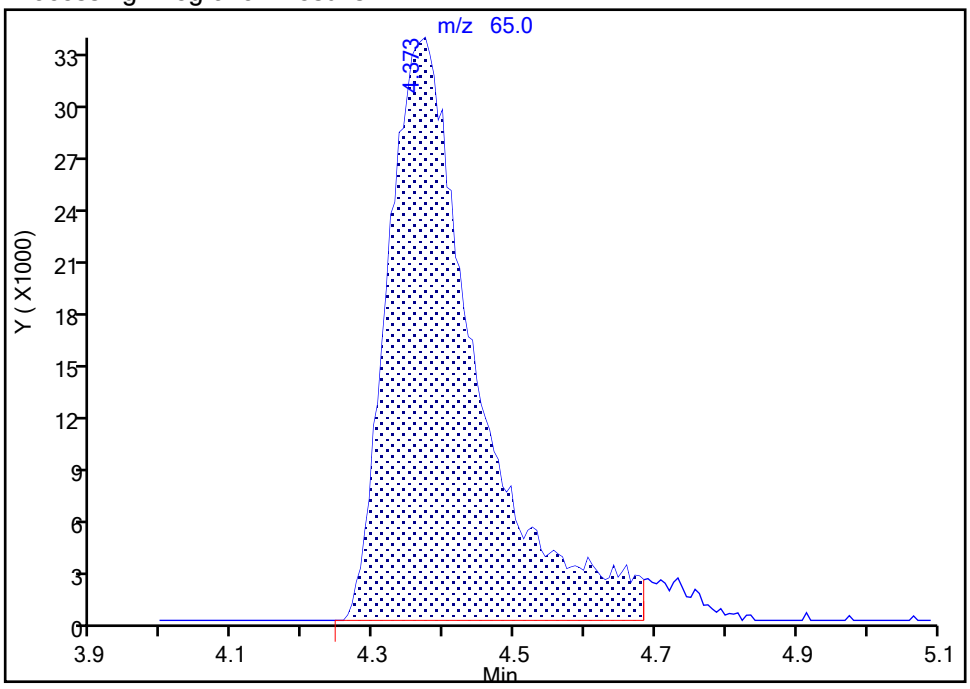
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S06.D				
Injection Date:	06-Jan-2021 12:39:30	Instrument ID:	7159		
Lims ID:	410-25282-A-6	Lab Sample ID:	410-25282-6		
Client ID:	MW-7S-20201229				
Operator ID:	lcp00895	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

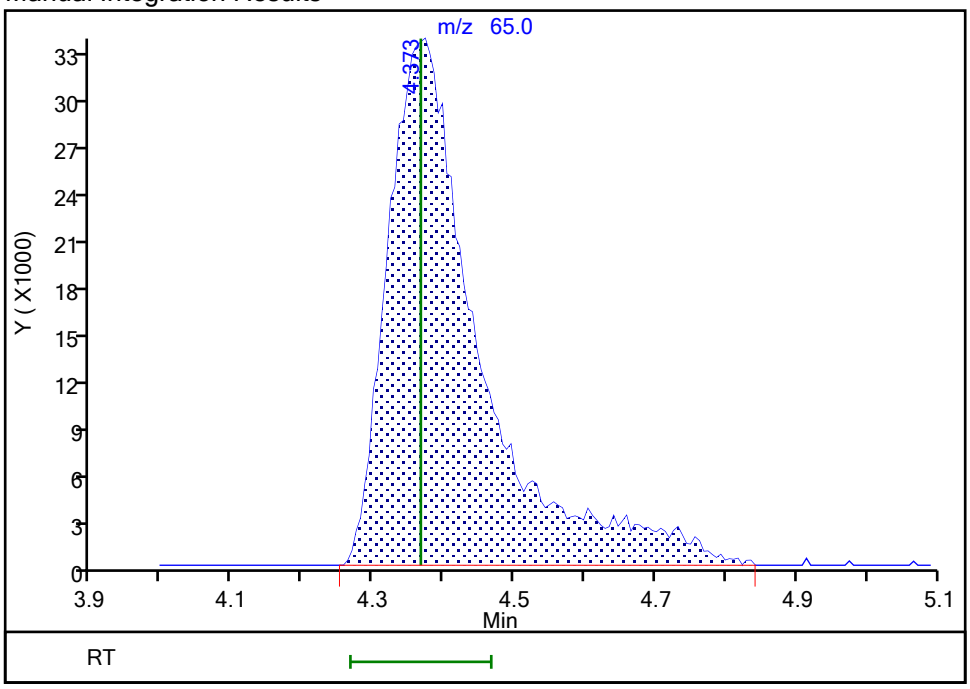
Processing Integration Results

RT: 4.37
Area: 294179
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 305545
Amount: 250.0000
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 17:02:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-7D-20201229 Lab Sample ID: 410-25282-7

Matrix: Ground Water Lab File ID: NJ06S07.D

Analysis Method: 8260C Date Collected: 12/29/2020 10:07

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S07.D
Lims ID: 410-25282-A-7
Client ID: MW-7D-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 13:01:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-014
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:11:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:02:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.367	4.367	0.000	0	297746	250.0	
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	246543	46.8	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	70165	49.4	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	1134752	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1087897	49.9	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	812250	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	95	405443	47.7	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	96	416009	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

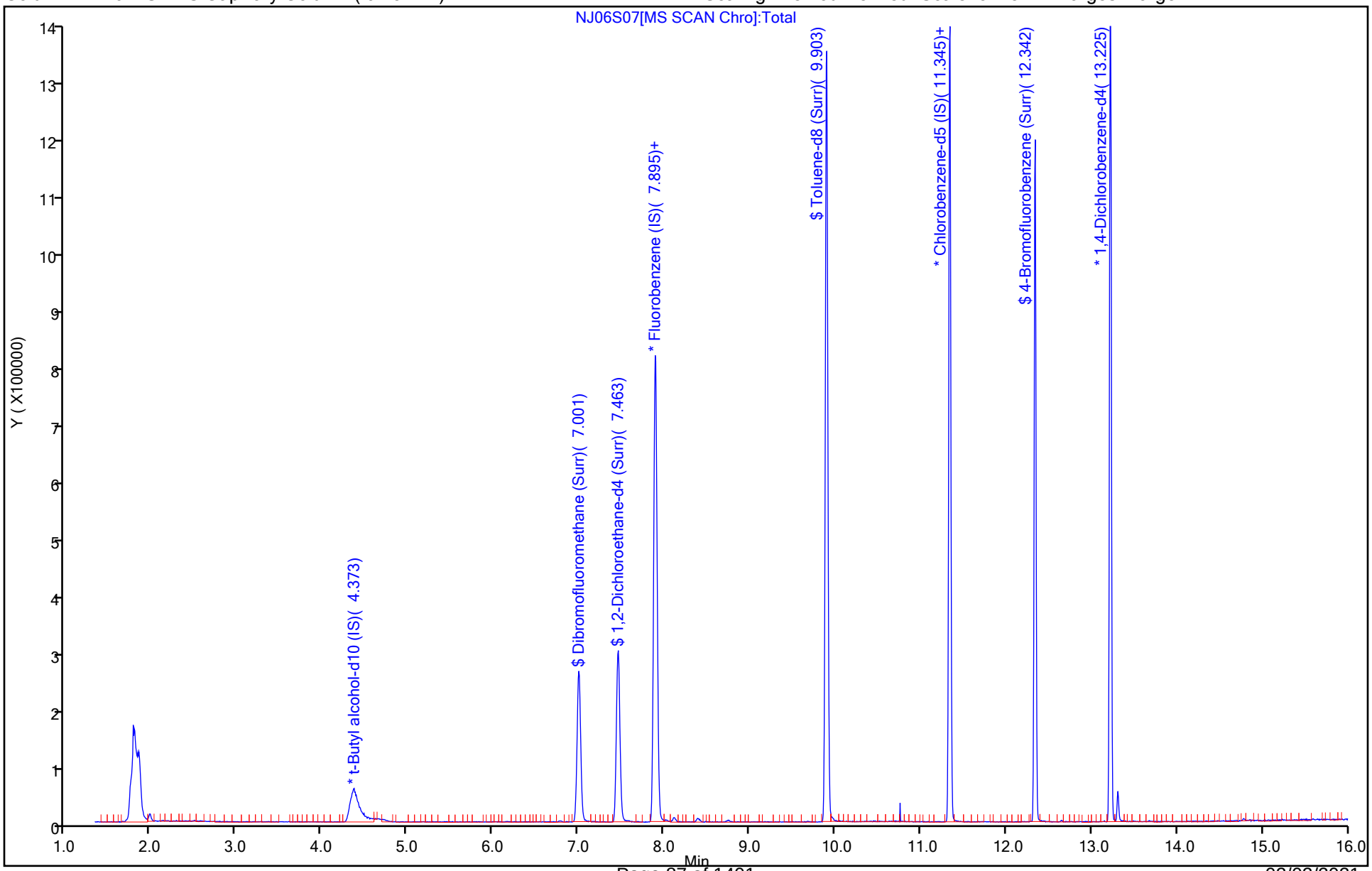
Report Date: 06-Jan-2021 17:12:57 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S07.D

Injection Date:	06-Jan-2021 13:01:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-7	Lab Sample ID:	410-25282-7	Worklist Smp#:	14
Client ID:	MW-7D-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-14S-20201229 Lab Sample ID: 410-25282-8

Matrix: Ground Water Lab File ID: NJ06S08.D

Analysis Method: 8260C Date Collected: 12/29/2020 10:59

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 13:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S08.D
Lims ID: 410-25282-A-8
Client ID: MW-14S-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 13:23:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-015
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:11:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:09:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.367	0.006	0	300395	250.0	M
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	253324	47.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	71345	50.0	
60 Benzene	78		7.494				ND	7
* 64 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	1140512	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	94	1099654	50.3	
82 Toluene	92		9.976				ND	7
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	815241	50.0	
97 Ethylbenzene	91		11.454				ND	7
98 m-Xylene & p-Xylene	106		11.564				ND	7
99 o-Xylene	106		11.898				ND	7
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	89	403752	47.4	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	423968	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

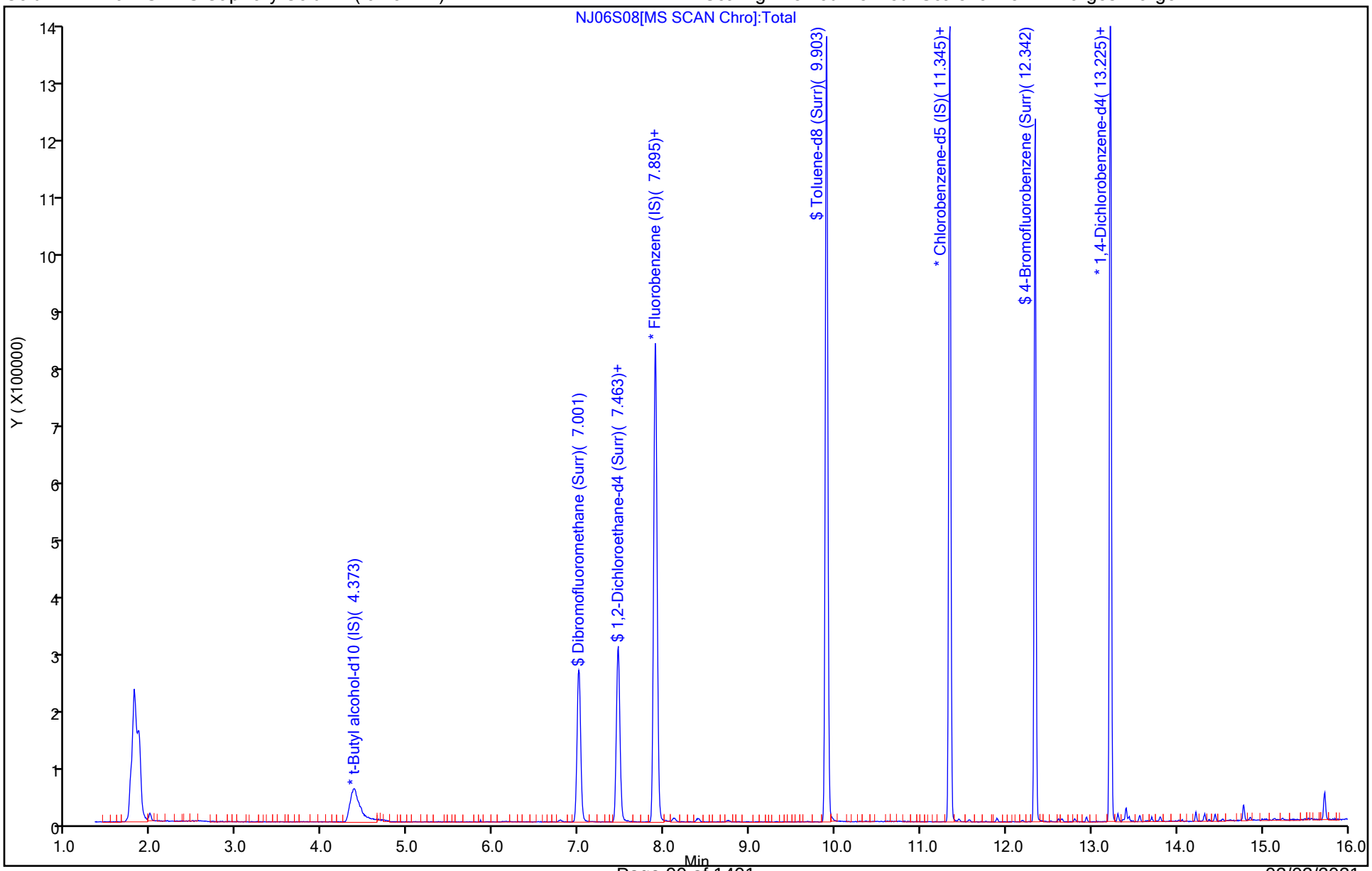
Report Date: 06-Jan-2021 17:12:59 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S08.D

Injection Date:	06-Jan-2021 13:23:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-8	Lab Sample ID:	410-25282-8	Worklist Smp#:	15
Client ID:	MW-14S-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

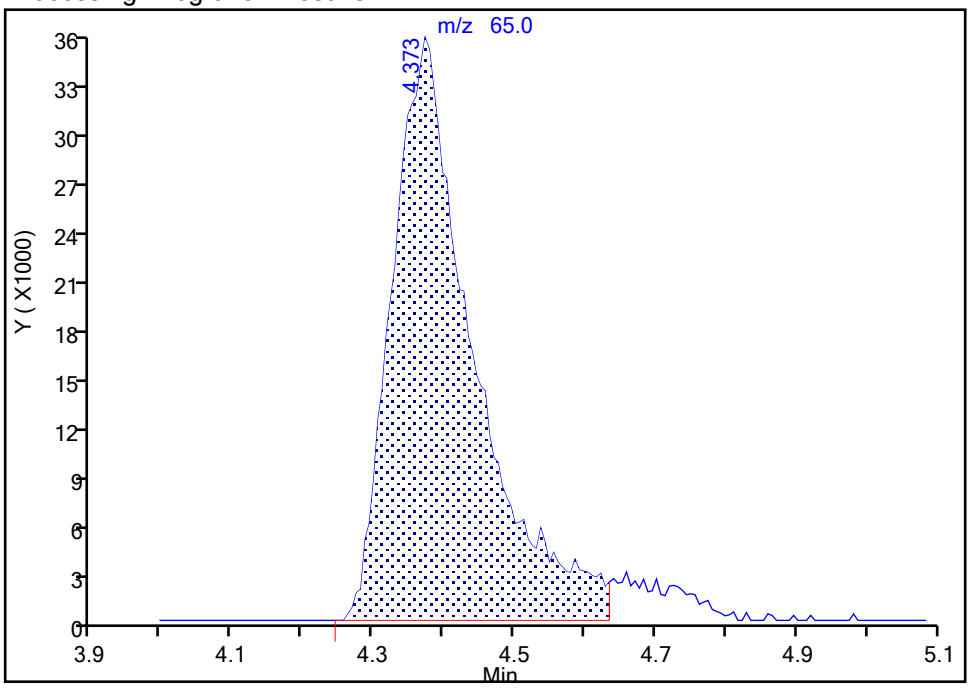
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S08.D				
Injection Date:	06-Jan-2021 13:23:30	Instrument ID:	7159		
Lims ID:	410-25282-A-8	Lab Sample ID:	410-25282-8		
Client ID:	MW-14S-20201229				
Operator ID:	lcp00895	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

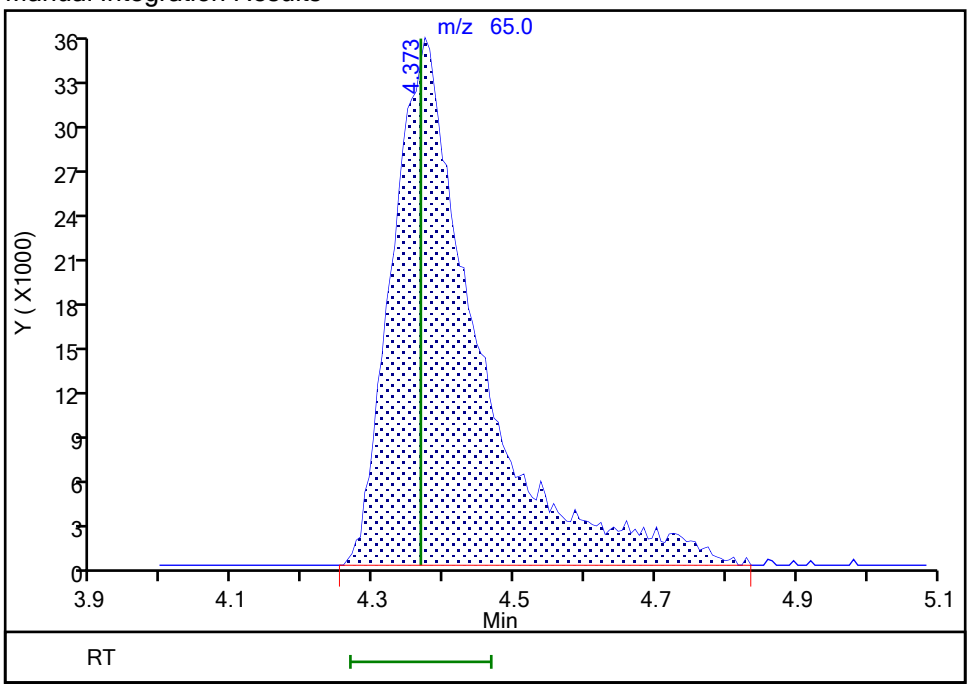
Processing Integration Results

RT: 4.37
Area: 283131
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 300395
Amount: 250.0000
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 17:09:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-14D-20201229 Lab Sample ID: 410-25282-9

Matrix: Ground Water Lab File ID: NJ06S09.D

Analysis Method: 8260C Date Collected: 12/29/2020 11:51

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 13:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S09.D
Lims ID: 410-25282-A-9
Client ID: MW-14D-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 13:45:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-016
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:11:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:10:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.367	0.012	0	293239	250.0	
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	94	253572	46.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	70592	48.2	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1170074	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1118894	50.1	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	832569	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	89	410895	47.2	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	-0.001	95	430099	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

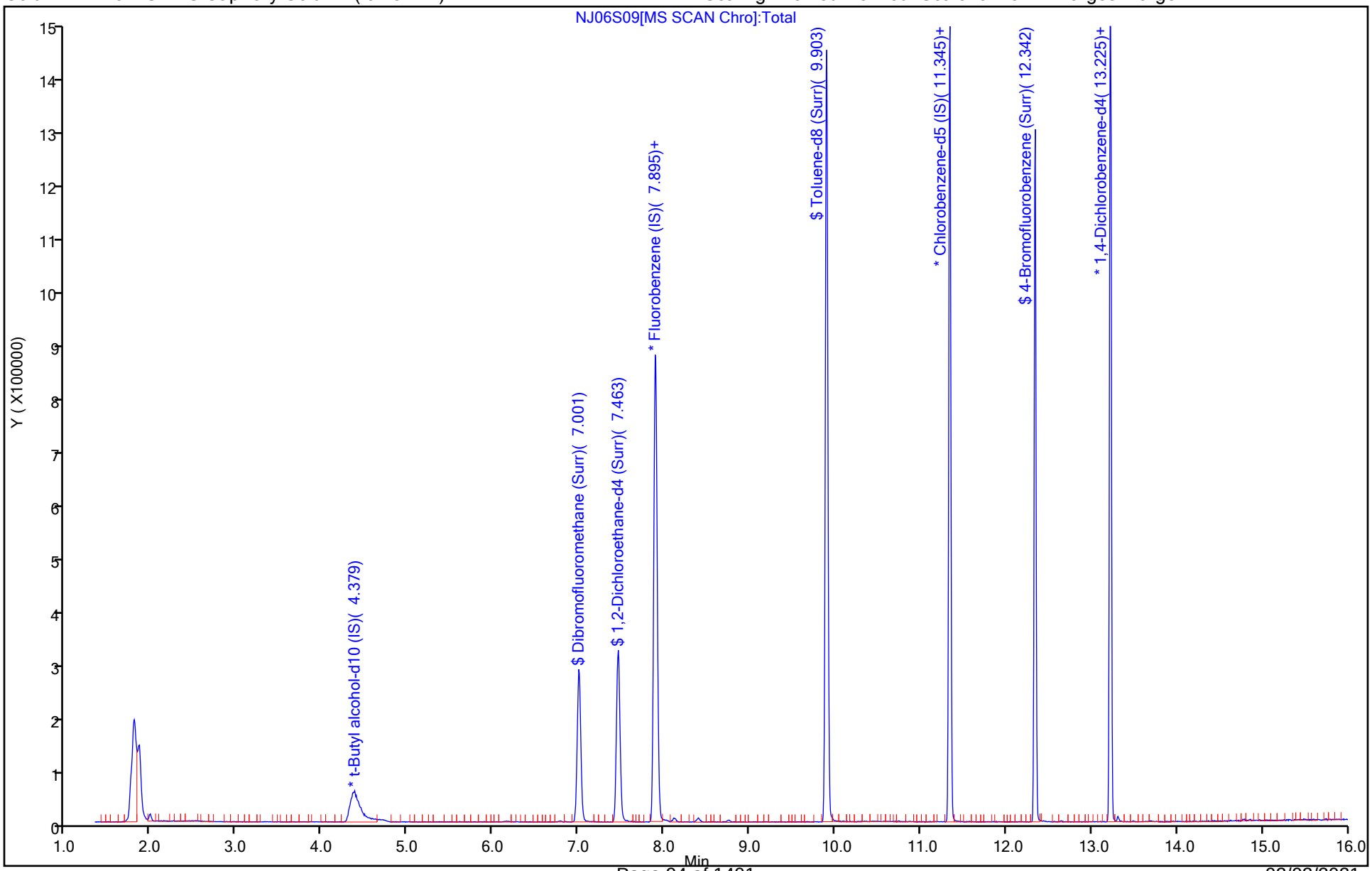
Report Date: 06-Jan-2021 17:13:00 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S09.D

Injection Date:	06-Jan-2021 13:45:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-9	Lab Sample ID:	410-25282-9	Worklist Smp#:	16
Client ID:	MW-14D-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-12S-20201229 Lab Sample ID: 410-25282-10

Matrix: Ground Water Lab File ID: NJ06S10.D

Analysis Method: 8260C Date Collected: 12/29/2020 13:18

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 14:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S10.D
Lims ID: 410-25282-A-10
Client ID: MW-12S-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 14:07:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-017
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:11:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:11:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.367	0.012	0	297057	250.0	M
33 Methyl tert-butyl ether	73		4.781				ND	7
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	259824	47.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	73080	49.6	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1177614	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1123329	49.5	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	846280	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	89	417170	47.1	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	96	432176	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

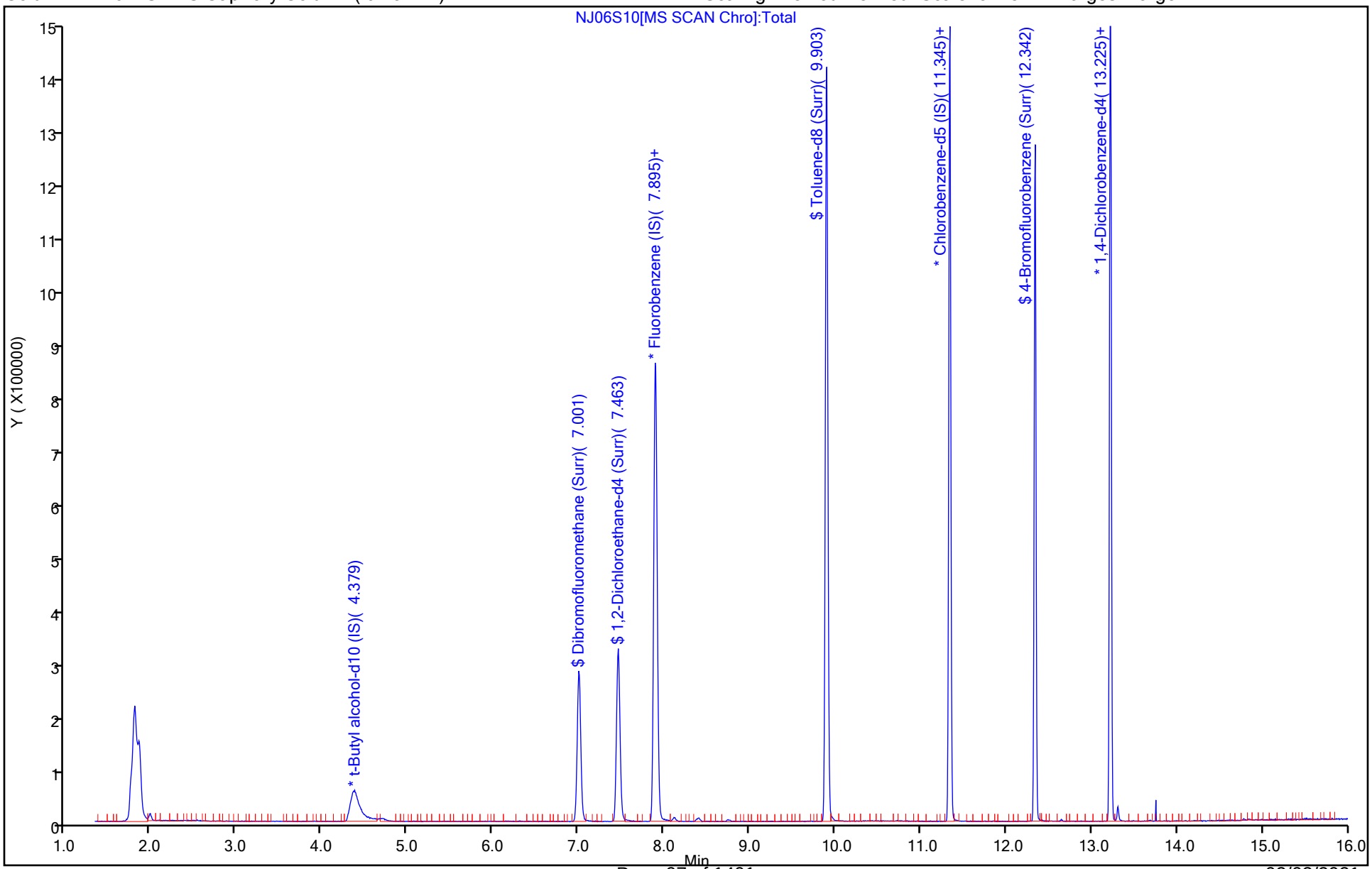
Report Date: 06-Jan-2021 17:13:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S10.D

Injection Date:	06-Jan-2021 14:07:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-10	Lab Sample ID:	410-25282-10	Worklist Smp#:	17
Client ID:	MW-12S-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

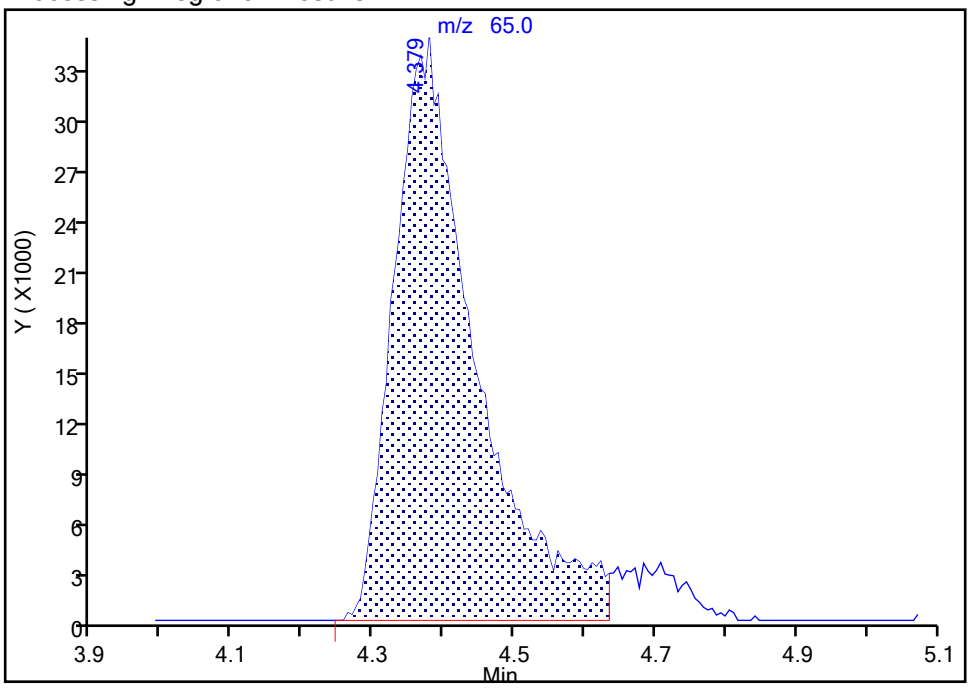
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Injection Date:	06-Jan-2021 14:07:30	Instrument ID:	7159		
Lims ID:	410-25282-A-10	Lab Sample ID:	410-25282-10		
Client ID:	MW-12S-20201229				
Operator ID:	lcp00895	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

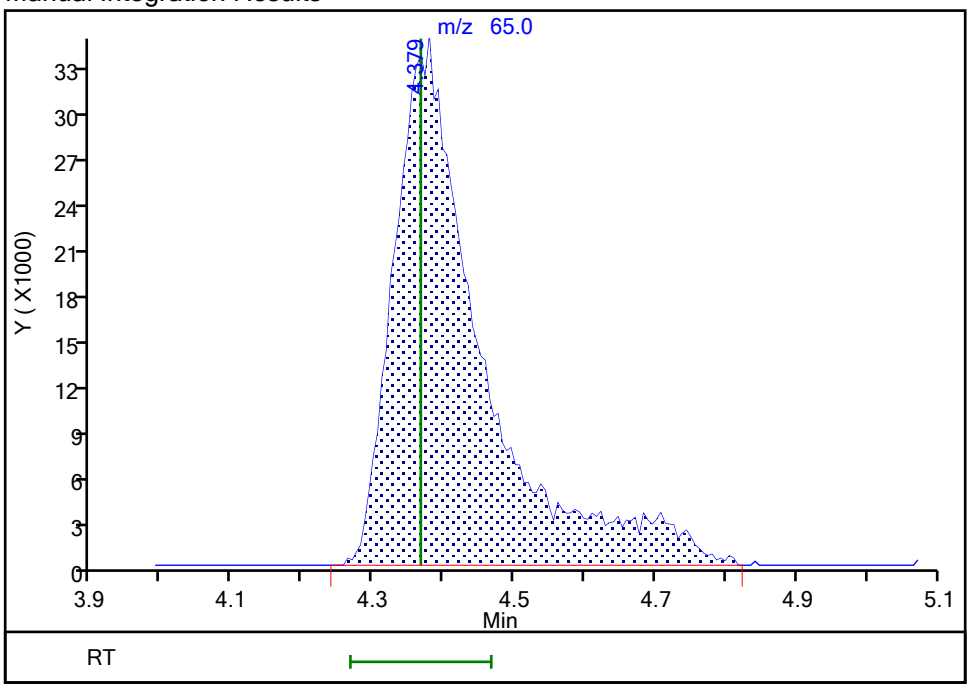
Processing Integration Results

RT: 4.38
Area: 276258
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.38
Area: 297057
Amount: 250.0000
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 17:11:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-12D-20201229 Lab Sample ID: 410-25282-11

Matrix: Ground Water Lab File ID: NJ06S11.D

Analysis Method: 8260C Date Collected: 12/29/2020 14:00

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 14:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S11.D
Lims ID: 410-25282-A-11
Client ID: MW-12D-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 14:30:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-018
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:11:33 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:12:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.367	0.006	0	295167	250.0	
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.001	0.006	93	256098	47.1	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	72610	49.5	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	1172295	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1124384	49.6	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	844738	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	89	415080	47.0	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	439079	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

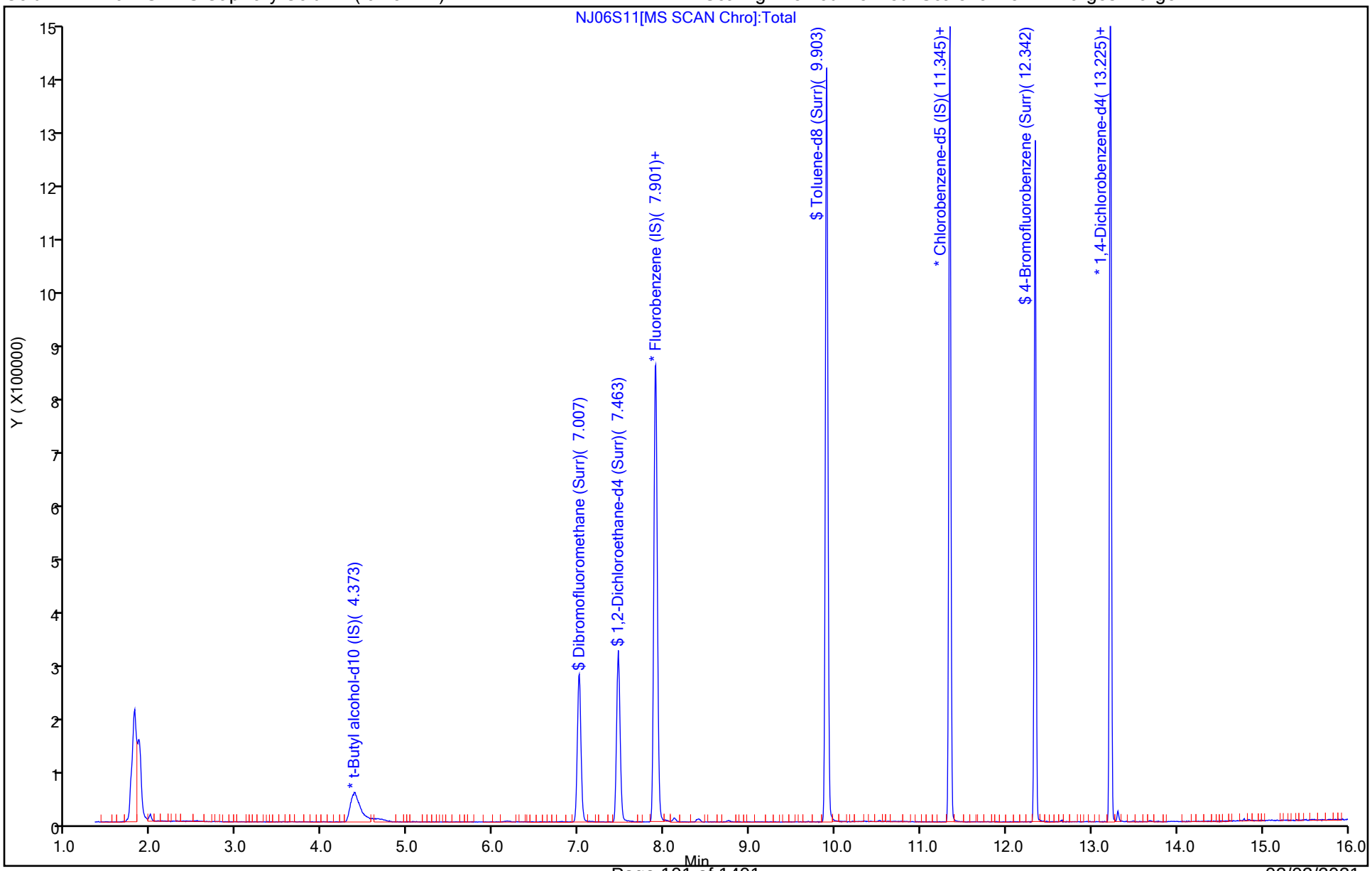
Report Date: 06-Jan-2021 17:13:02 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S11.D

Injection Date:	06-Jan-2021 14:30:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-11	Lab Sample ID:	410-25282-11	Worklist Smp#:	18
Client ID:	MW-12D-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: FB-20201229 Lab Sample ID: 410-25282-12

Matrix: Ground Water Lab File ID: NJ06S01.D

Analysis Method: 8260C Date Collected: 12/29/2020 14:20

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 10:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S01.D
Lims ID: 410-25282-A-12
Client ID: FB-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 10:49:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-008
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 12:51:09 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 12:14:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.367	4.367	0.000	0	320043	250.0	
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	256316	47.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	72842	49.9	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1166932	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1129338	50.3	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	836715	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.342	0.001	88	411524	47.0	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	96	434711	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

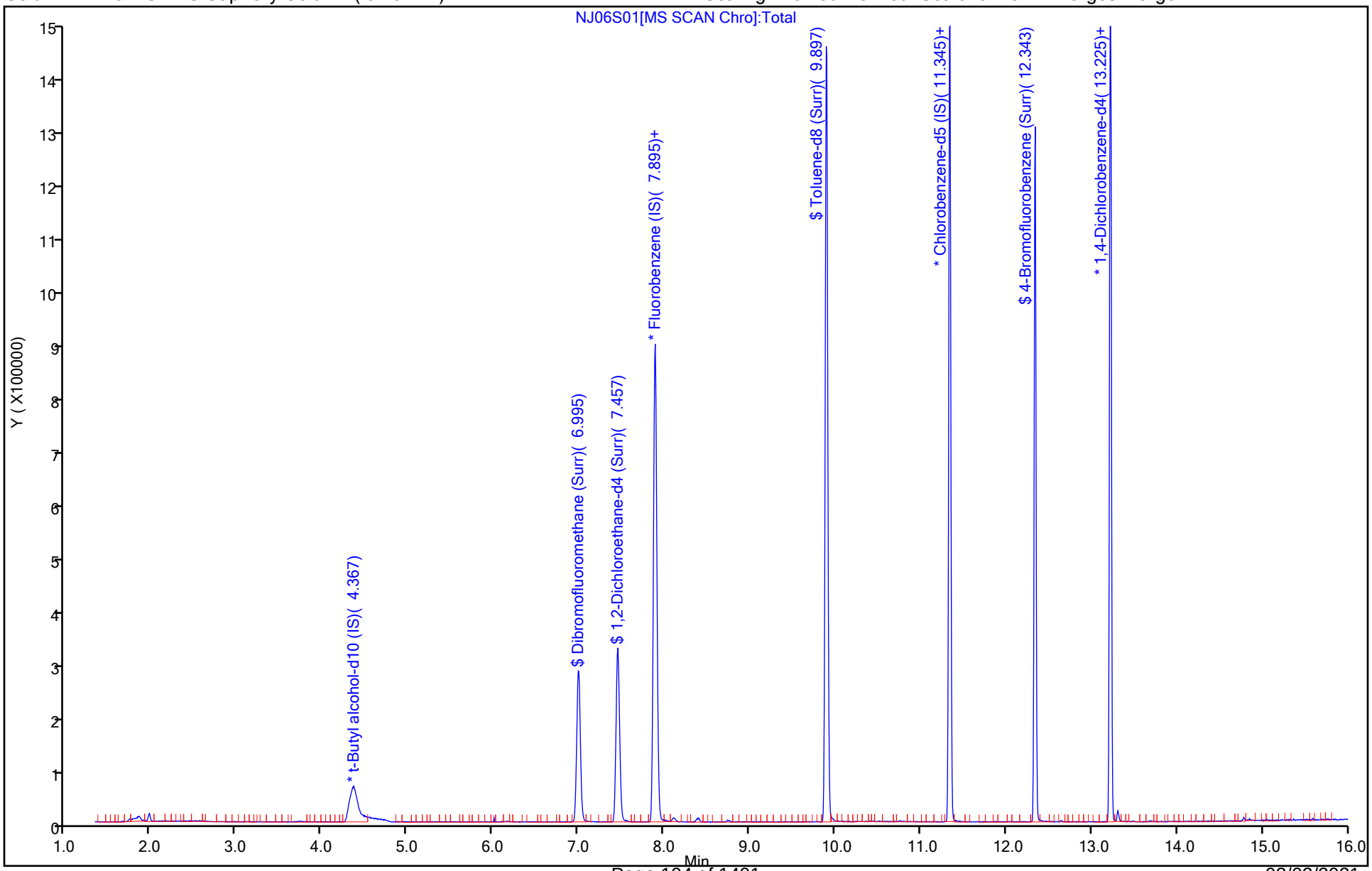
MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 12:53:47 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S01.D				
Injection Date:	06-Jan-2021 10:49:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-12	Lab Sample ID:	410-25282-12	Worklist Smp#:	8
Client ID:	FB-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-11S-20201229 Lab Sample ID: 410-25282-13

Matrix: Ground Water Lab File ID: NJ06S12.D

Analysis Method: 8260C Date Collected: 12/29/2020 15:02

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 14:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S12.D
Lims ID: 410-25282-A-13
Client ID: MW-11S-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 14:52:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-019
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:16:44 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:13:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.367	0.012	0	301237	250.0	
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.001	0.006	93	262912	47.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	73664	49.5	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	1189835	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1144918	49.8	
82 Toluene	92		9.976				ND	7
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	856844	50.0	
97 Ethylbenzene	91		11.454				ND	7
98 m-Xylene & p-Xylene	106		11.564				ND	7
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	88	419294	46.8	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	443732	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

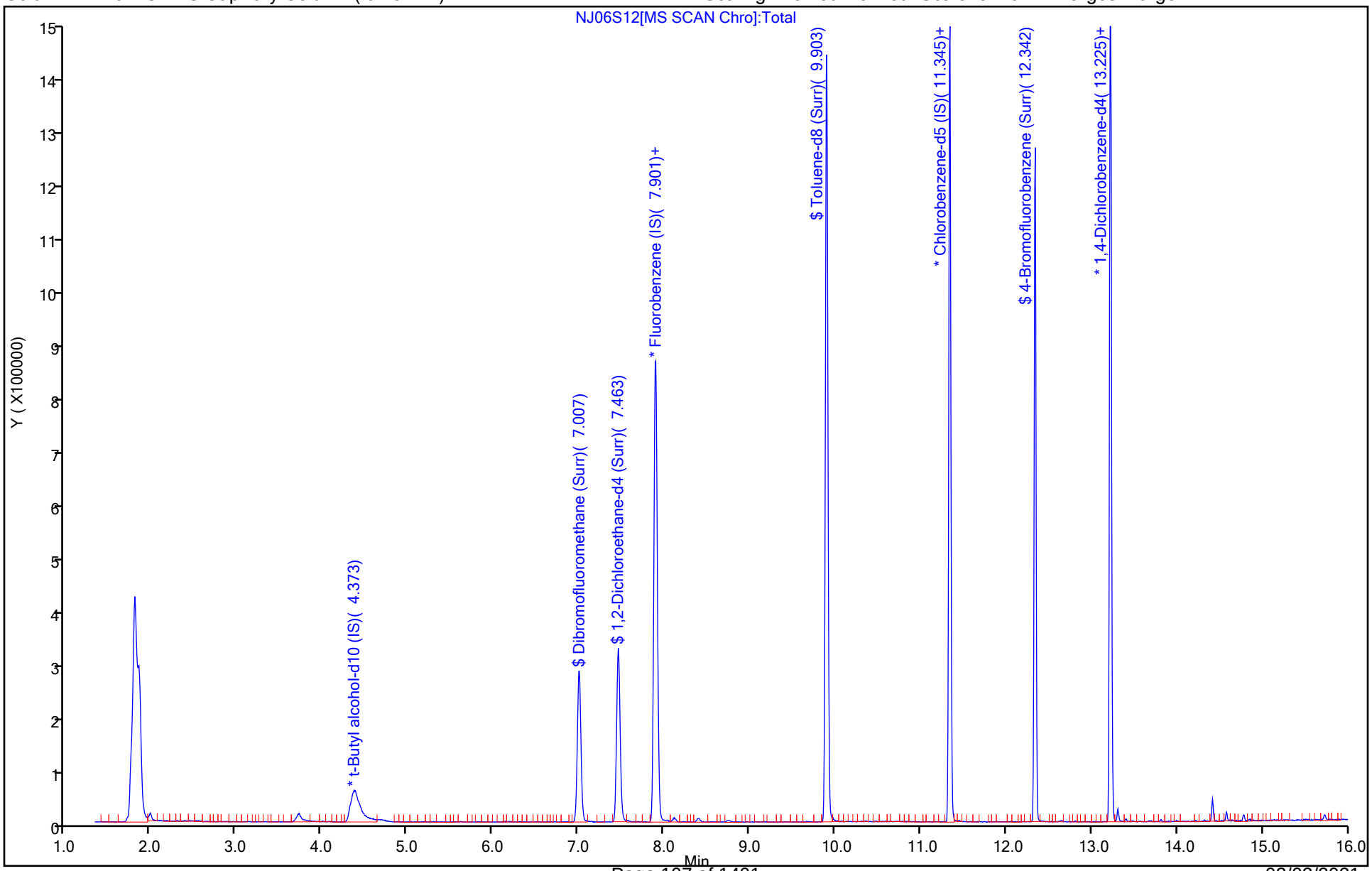
Report Date: 06-Jan-2021 17:16:45 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S12.D

Injection Date:	06-Jan-2021 14:52:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-13	Lab Sample ID:	410-25282-13	Worklist Smp#:	19
Client ID:	MW-11S-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-11D-20201229 Lab Sample ID: 410-25282-14

Matrix: Ground Water Lab File ID: NJ06S13.D

Analysis Method: 8260C Date Collected: 12/29/2020 15:52

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 15:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S13.D
Lims ID: 410-25282-A-14
Client ID: MW-11D-20201229
Sample Type: Client
Inject. Date: 06-Jan-2021 15:14:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-020
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:16:44 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:13:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.361	4.367	-0.006	0	299677	250.0	
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	257850	47.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	70480	47.8	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1178606	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1129503	50.4	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	835702	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	90	415173	47.5	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	96	436914	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

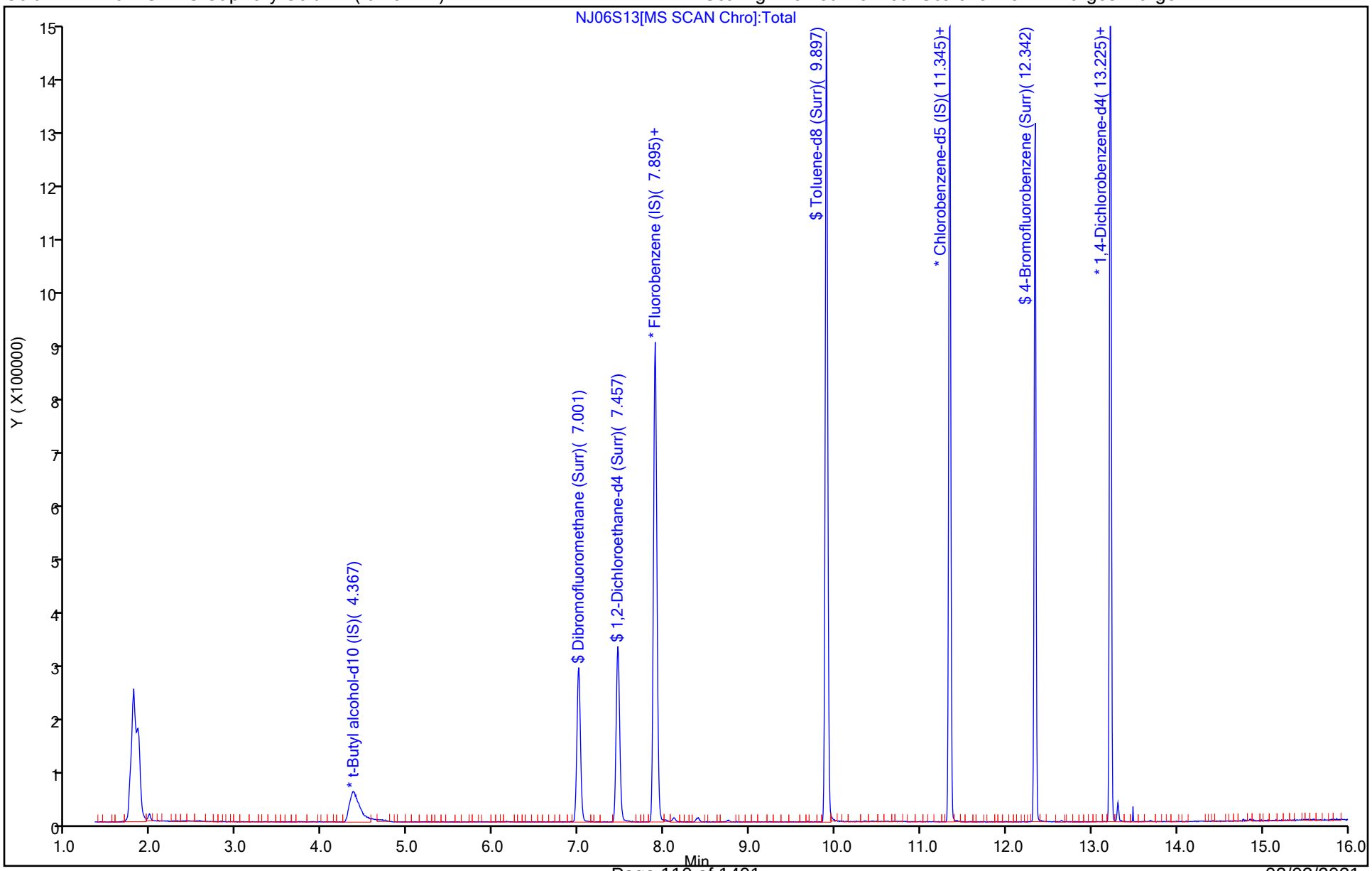
Report Date: 06-Jan-2021 17:16:46 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S13.D

Injection Date:	06-Jan-2021 15:14:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-14	Lab Sample ID:	410-25282-14	Worklist Smp#:	20
Client ID:	MW-11D-20201229				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-4S-20201230 Lab Sample ID: 410-25282-15

Matrix: Ground Water Lab File ID: NJ06S14.D

Analysis Method: 8260C Date Collected: 12/30/2020 09:06

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 15:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.0		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S14.D
Lims ID: 410-25282-A-15
Client ID: MW-4S-20201230
Sample Type: Client
Inject. Date: 06-Jan-2021 15:36:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-021
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:16:44 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:14:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.361	4.367	-0.006	0	301239	250.0	
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.995	7.001	-0.006	94	255807	47.2	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	73558	50.3	
60 Benzene	78	7.488	7.494	-0.006	96	28515	1.01	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1167556	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1124097	49.8	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	841155	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	7
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	88	410902	46.7	
* 119 1,4-Dichlorobenzene-d4	152	13.224	13.225	-0.001	96	433822	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

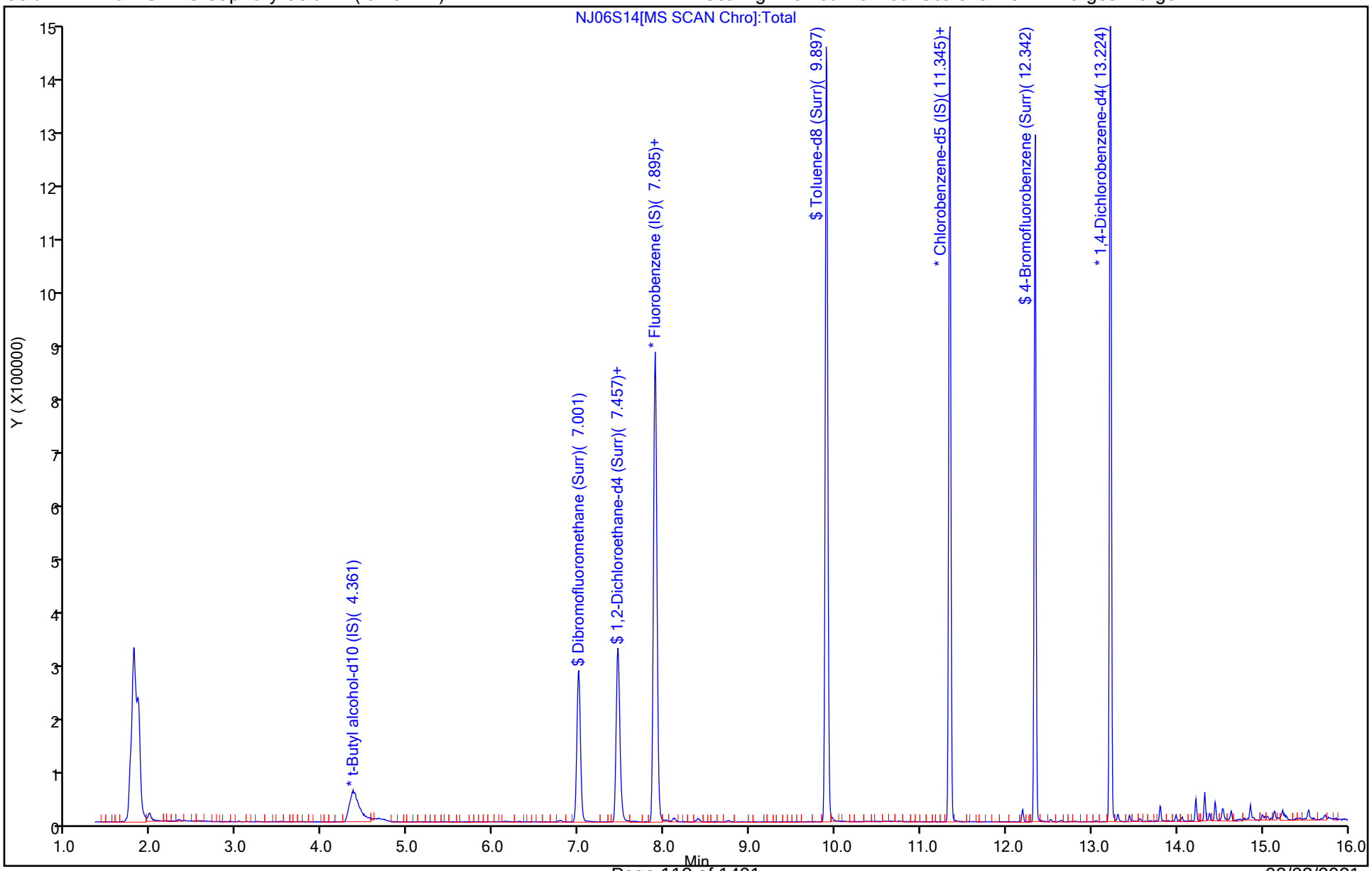
Report Date: 06-Jan-2021 17:16:47 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S14.D

Injection Date:	06-Jan-2021 15:36:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-15	Lab Sample ID:	410-25282-15	Worklist Smp#:	21
Client ID:	MW-4S-20201230				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 06-Jan-2021 17:16:47 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S14.D

Injection Date: 06-Jan-2021 15:36:30 Instrument ID: 7159

Lims ID: 410-25282-A-15 Lab Sample ID: 410-25282-15

Client ID: MW-4S-20201230

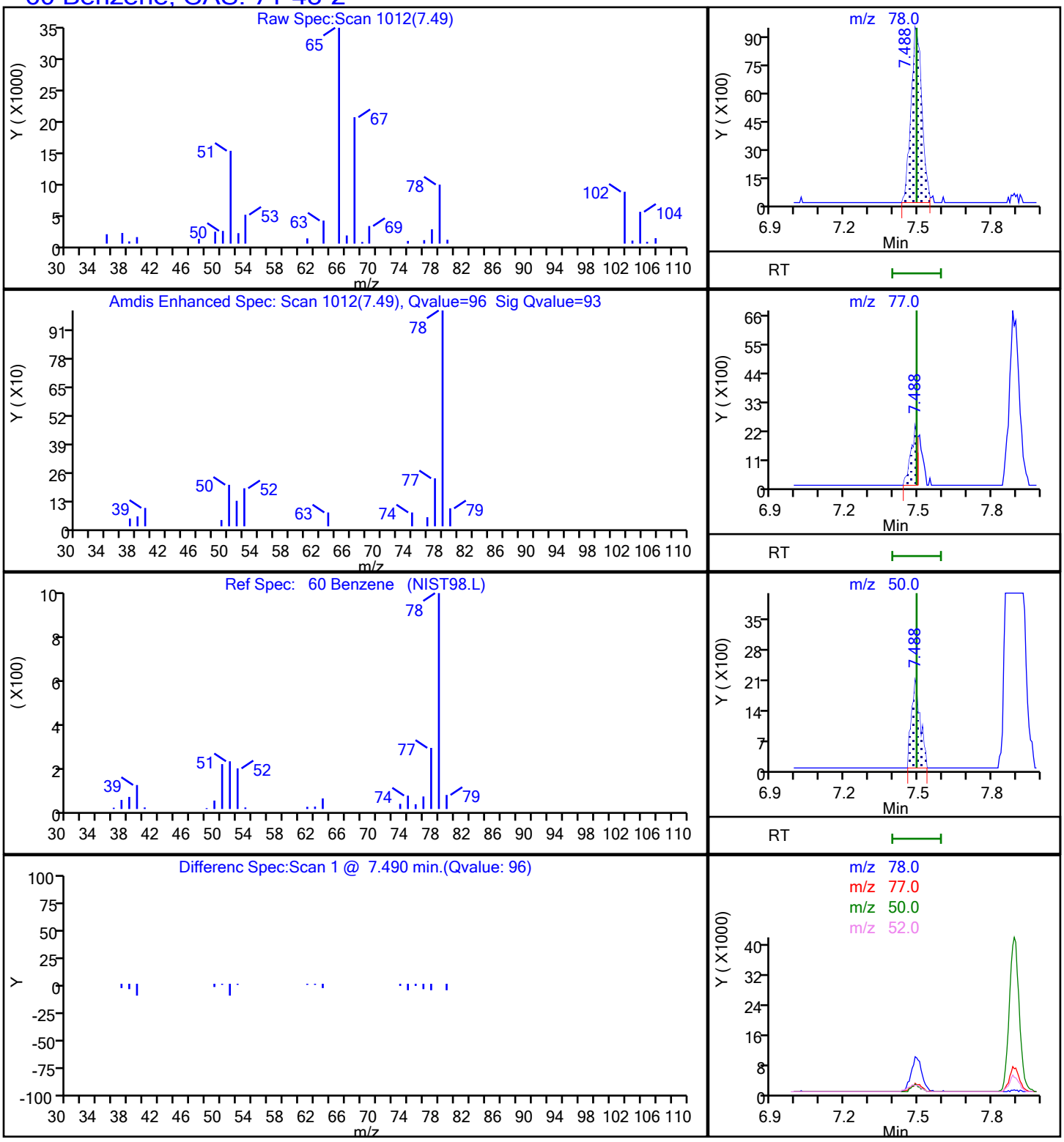
Operator ID: lcp00895 ALS Bottle#: 21 Worklist Smp#: 21

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

60 Benzene, CAS: 71-43-2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-4D-20201230 Lab Sample ID: 410-25282-16

Matrix: Ground Water Lab File ID: NJ06S15.D

Analysis Method: 8260C Date Collected: 12/30/2020 09:46

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 15:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S15.D
Lims ID: 410-25282-A-16
Client ID: MW-4D-20201230
Sample Type: Client
Inject. Date: 06-Jan-2021 15:58:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-022
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:16:44 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:14:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.367	4.367	0.000	0	298075	250.0	M
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	6.995	7.001	-0.006	93	249121	46.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.464	7.463	0.001	98	71972	49.8	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1154601	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1110047	49.9	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	828650	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.342	0.001	89	406371	46.9	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	96	424709	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

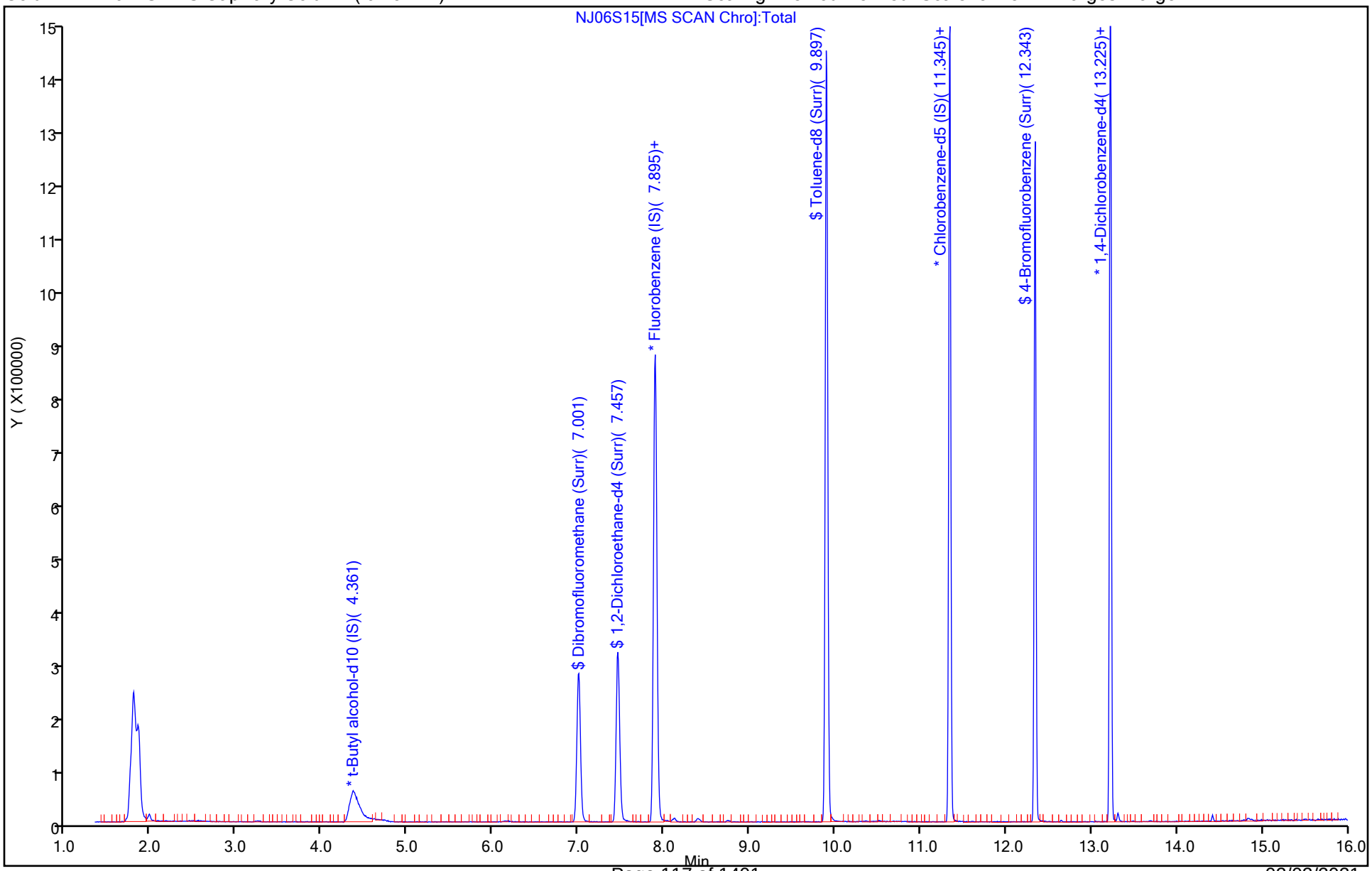
Report Date: 06-Jan-2021 17:16:49 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S15.D

Injection Date:	06-Jan-2021 15:58:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-16	Lab Sample ID:	410-25282-16	Worklist Smp#:	22
Client ID:	MW-4D-20201230				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

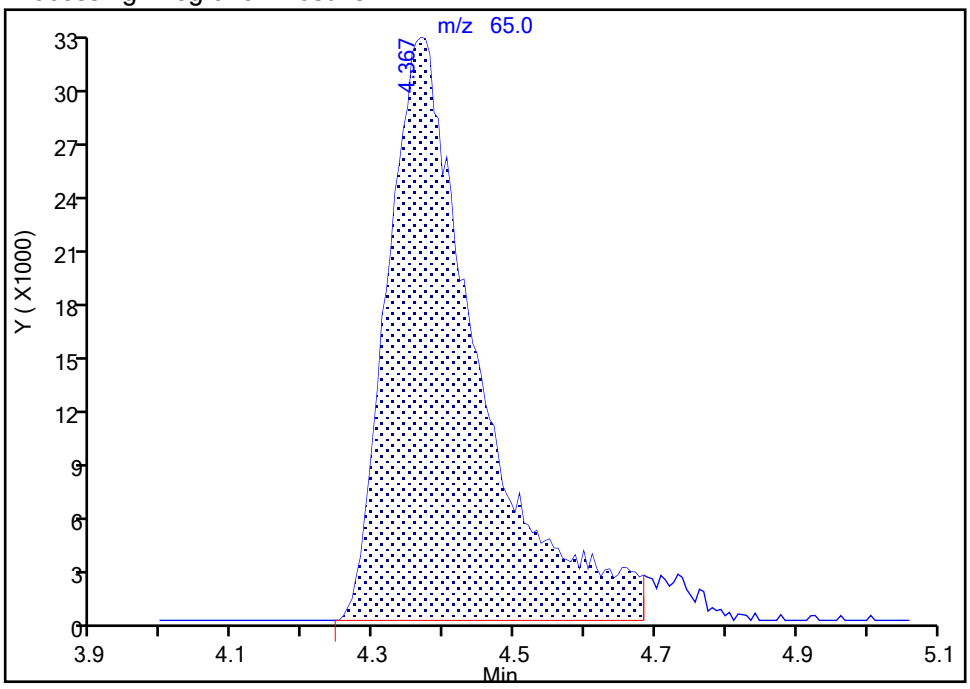
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S15.D				
Injection Date:	06-Jan-2021 15:58:30	Instrument ID:	7159		
Lims ID:	410-25282-A-16	Lab Sample ID:	410-25282-16		
Client ID:	MW-4D-20201230				
Operator ID:	lcp00895	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

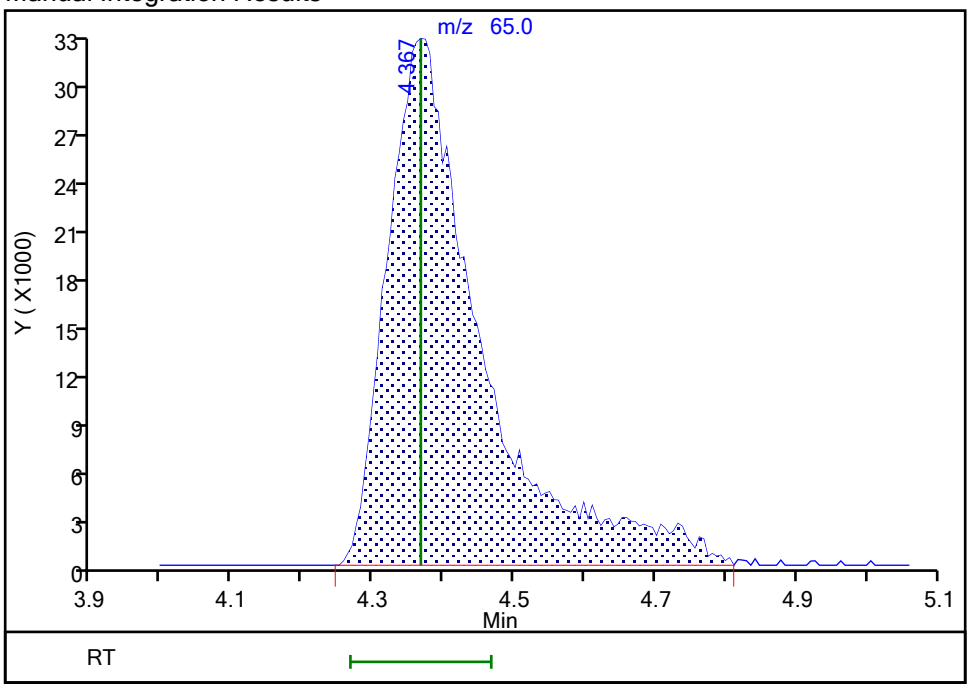
Processing Integration Results

RT: 4.37
Area: 286963
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 298075
Amount: 250.0000
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 17:14:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-3-20201230 Lab Sample ID: 410-25282-17

Matrix: Ground Water Lab File ID: NJ06S16.D

Analysis Method: 8260C Date Collected: 12/30/2020 10:37

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 16:20

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.5	J	5.0	1.0
100-41-4	Ethylbenzene	6.7		5.0	2.0
108-88-3	Toluene	1.2	J	5.0	1.0
1330-20-7	Xylenes, Total	ND		30	7.0
1634-04-4	Methyl tertiary butyl ether	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S16.D
Lims ID: 410-25282-A-17
Client ID: MW-3-20201230
Sample Type: Client
Inject. Date: 06-Jan-2021 16:20:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 410-0019298-023
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:16:44 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:15:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.367	4.367	0.000	0	293519	250.0	M
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	253711	47.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	69644	48.5	
60 Benzene	78	7.488	7.494	-0.006	64	8221	0.2978	M
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1147067	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1106801	49.1	
82 Toluene	92	9.982	9.976	0.006	97	4269	0.2444	
S 92 Xylenes, Total	106				0		1.62	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	840069	50.0	
97 Ethylbenzene	91	11.454	11.454	0.000	97	45098	1.33	
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	99	9902	0.7472	
99 o-Xylene	106	11.892	11.898	-0.006	97	11248	0.8722	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	95	408670	46.5	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	431571	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

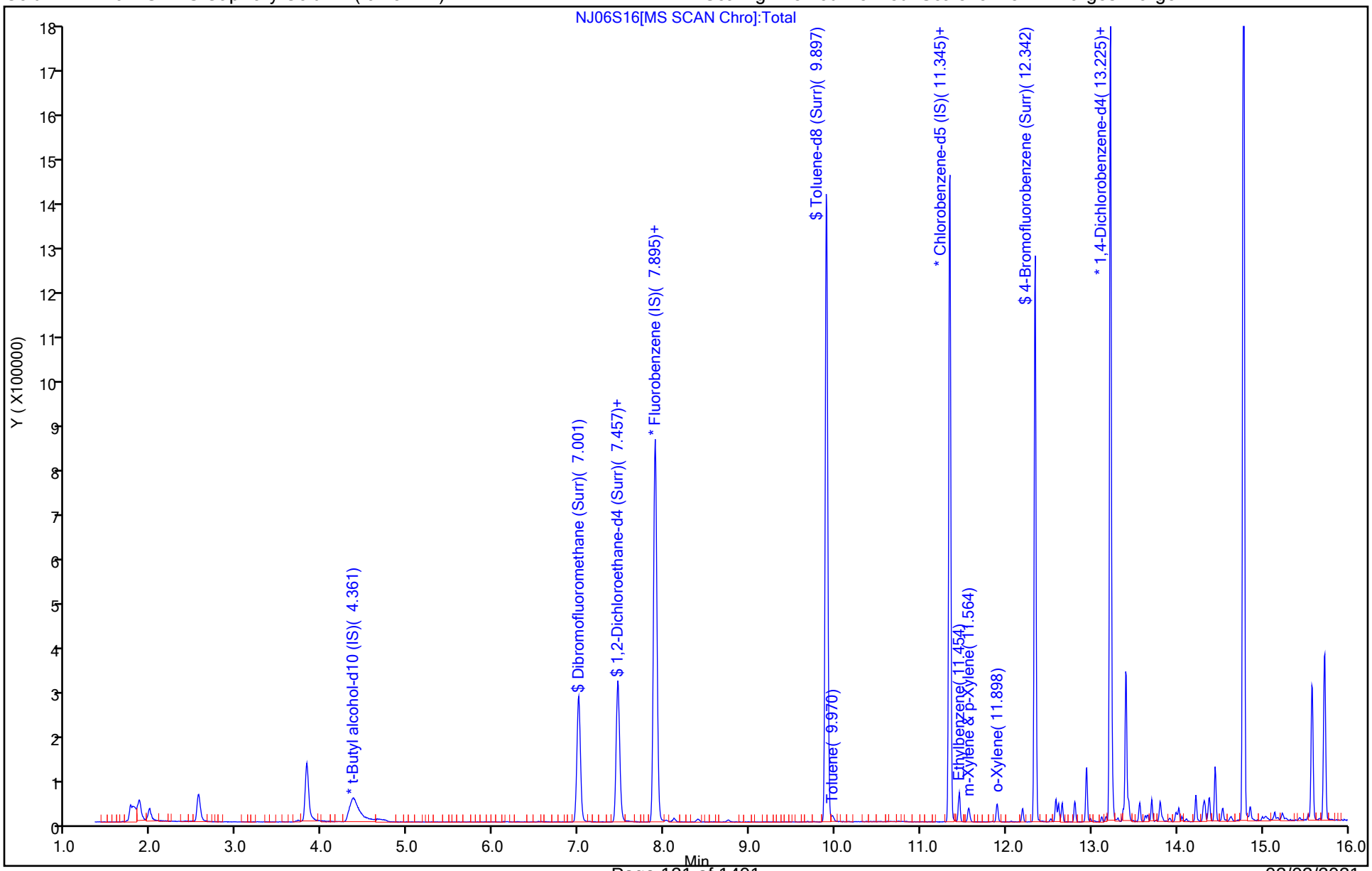
MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 17:16:50 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S16.D				
Injection Date:	06-Jan-2021 16:20:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-17	Lab Sample ID:	410-25282-17	Worklist Smp#:	23
Client ID:	MW-3-20201230				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	23
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 06-Jan-2021 17:16:50 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S16.D

Injection Date: 06-Jan-2021 16:20:30 Instrument ID: 7159

Lims ID: 410-25282-A-17 Lab Sample ID: 410-25282-17

Client ID: MW-3-20201230

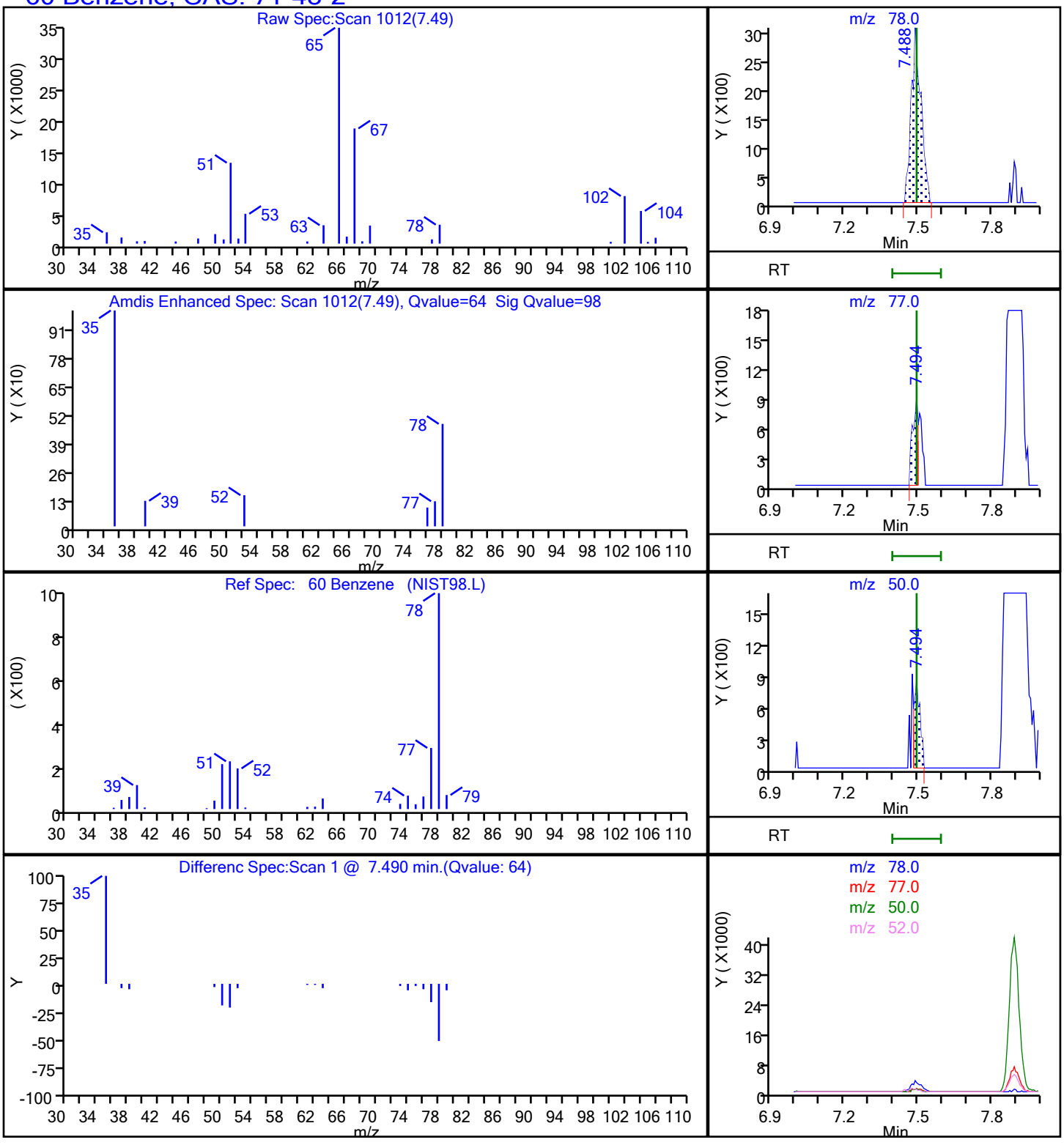
Operator ID: lcp00895 ALS Bottle#: 23 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 5.0000

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

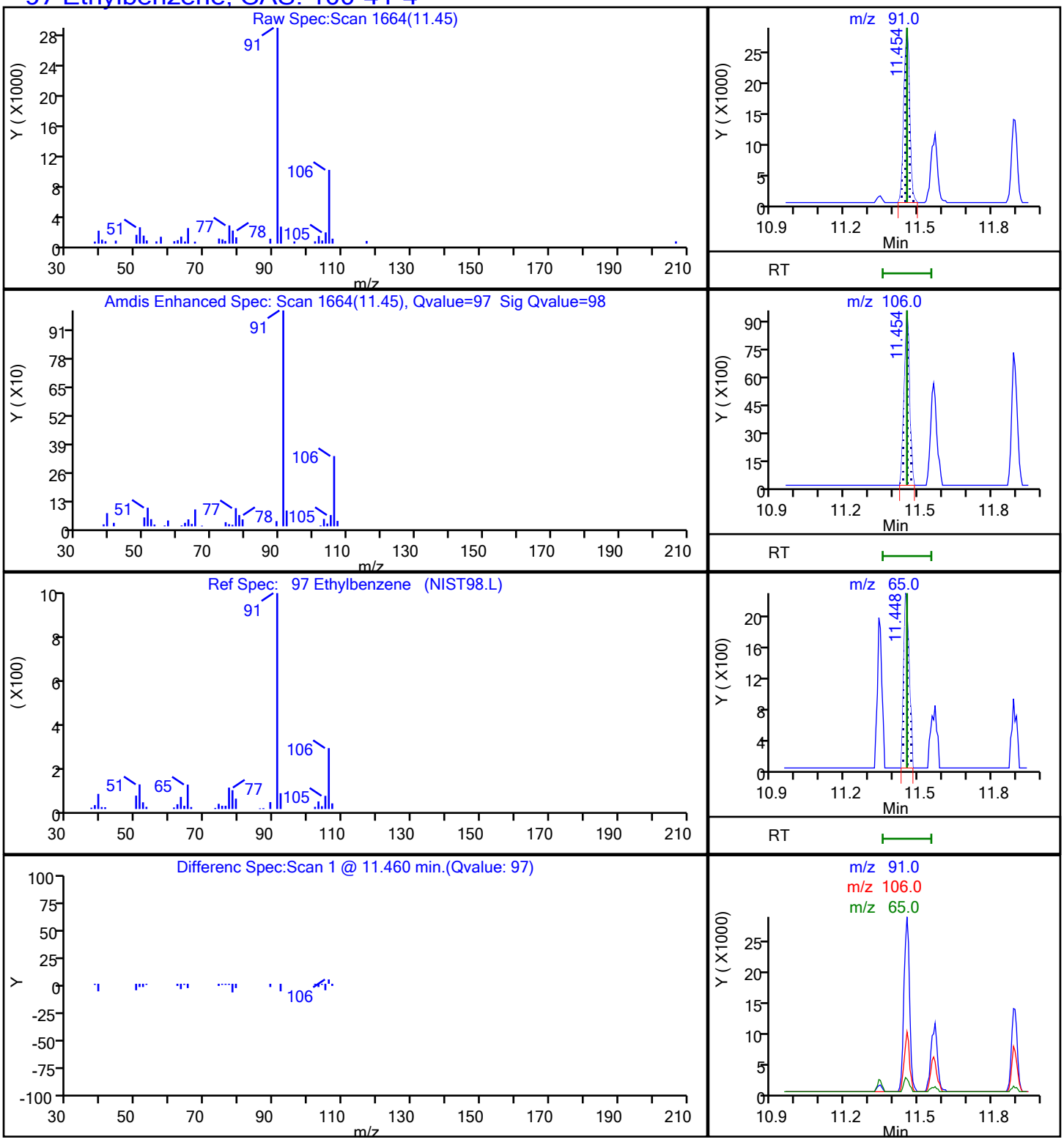
60 Benzene, CAS: 71-43-2



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S16.D				
Injection Date:	06-Jan-2021 16:20:30	Instrument ID:	7159		
Lims ID:	410-25282-A-17	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	lcp00895	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

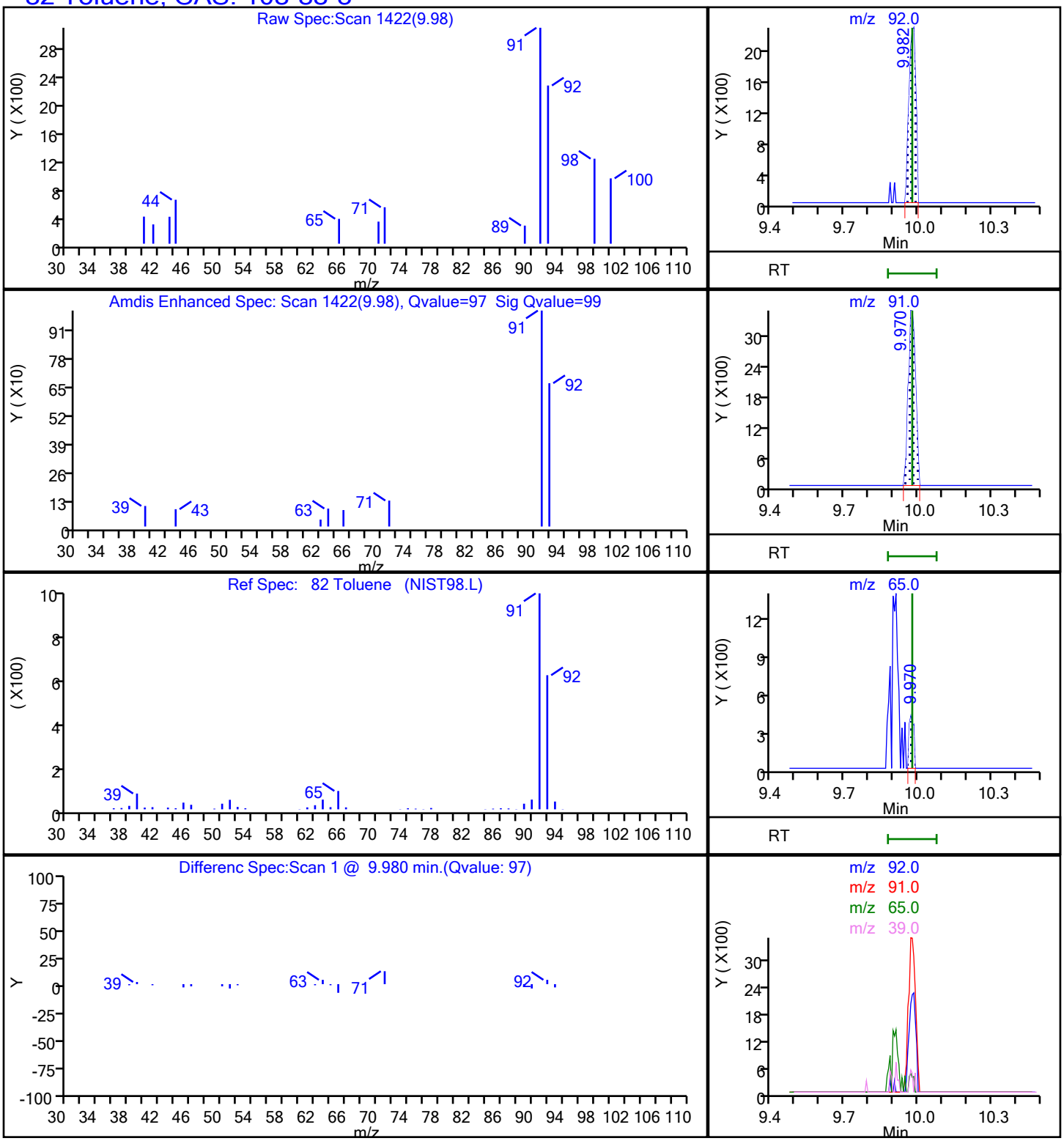
97 Ethylbenzene, CAS: 100-41-4



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S16.D				
Injection Date:	06-Jan-2021 16:20:30	Instrument ID:	7159		
Lims ID:	410-25282-A-17	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	lcp00895	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

82 Toluene, CAS: 108-88-3



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

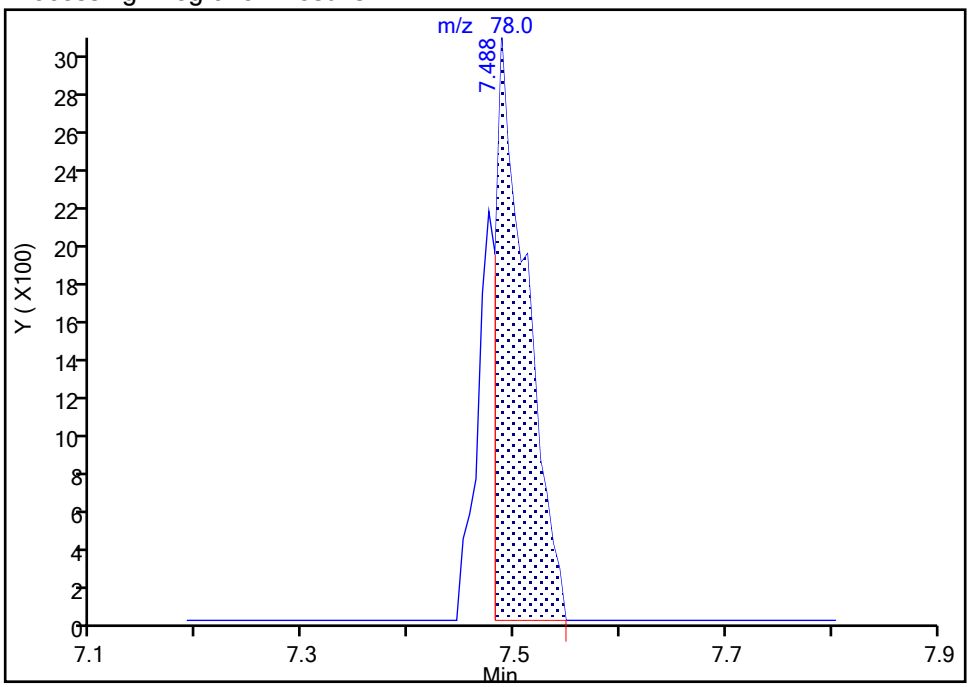
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Injection Date:	06-Jan-2021 16:20:30	Instrument ID:	7159		
Lims ID:	410-25282-A-17	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	lcp00895	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2

Signal: 1

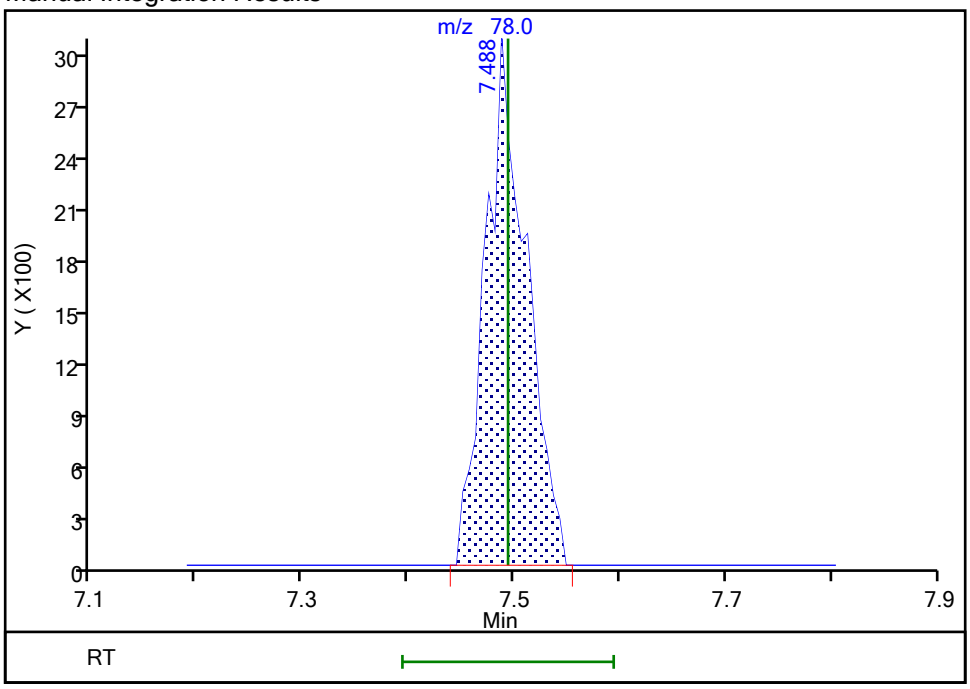
Processing Integration Results

RT: 7.49
Area: 6186
Amount: 0.224062
Amount Units: ug/l



Manual Integration Results

RT: 7.49
Area: 8221
Amount: 0.297771
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 17:15:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

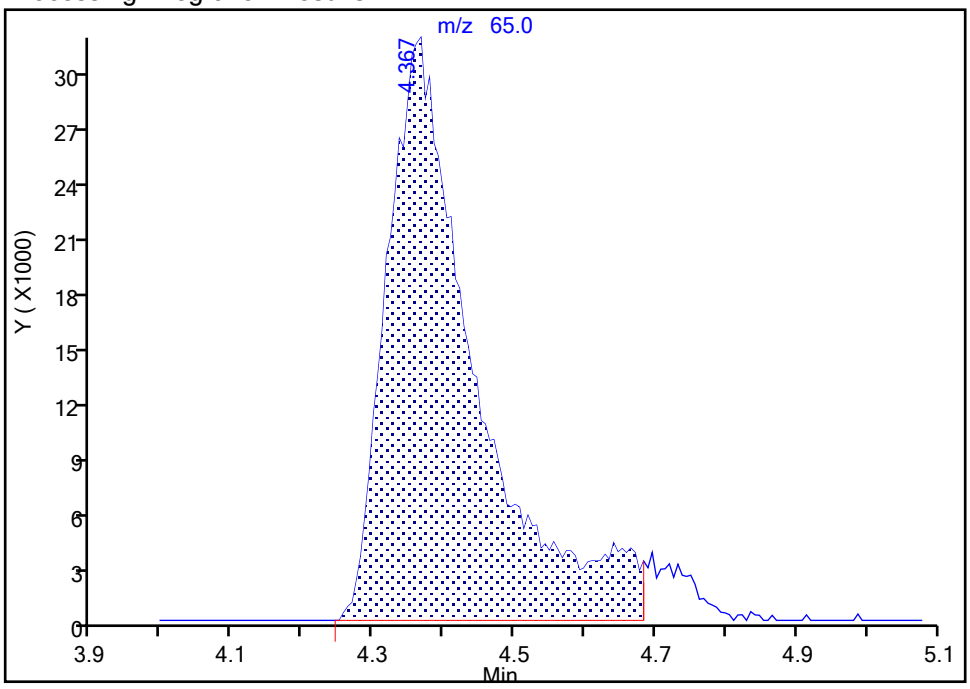
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Injection Date:	06-Jan-2021 16:20:30	Instrument ID:	7159		
Lims ID:	410-25282-A-17	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	lcp00895	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

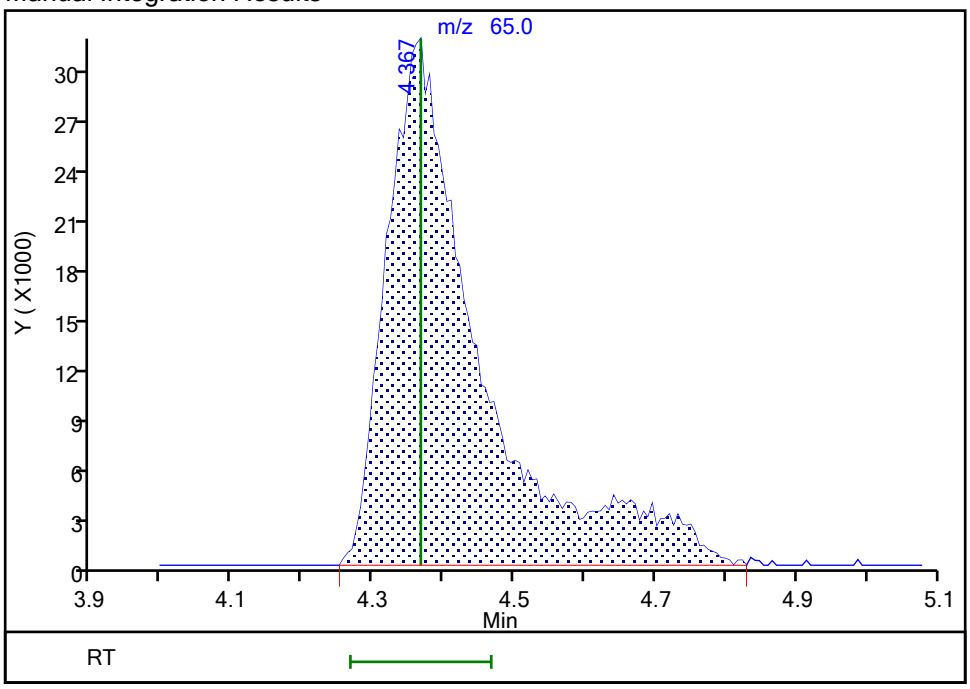
Processing Integration Results

RT: 4.37
Area: 279313
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 293519
Amount: 250.0000
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 17:15:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-13D-20201230 Lab Sample ID: 410-25282-18

Matrix: Ground Water Lab File ID: NJ06S17.D

Analysis Method: 8260C Date Collected: 12/30/2020 11:26

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 16:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

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

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S17.D
Lims ID: 410-25282-A-18
Client ID: MW-13D-20201230
Sample Type: Client
Inject. Date: 06-Jan-2021 16:42:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-024
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:16:44 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:16:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.361	4.367	-0.006	0	294161	250.0	M
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	94	254233	48.0	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	70428	49.3	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1141640	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1104395	49.7	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	827882	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	88	410119	47.4	
* 119 1,4-Dichlorobenzene-d4	152	13.224	13.225	-0.001	95	423673	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

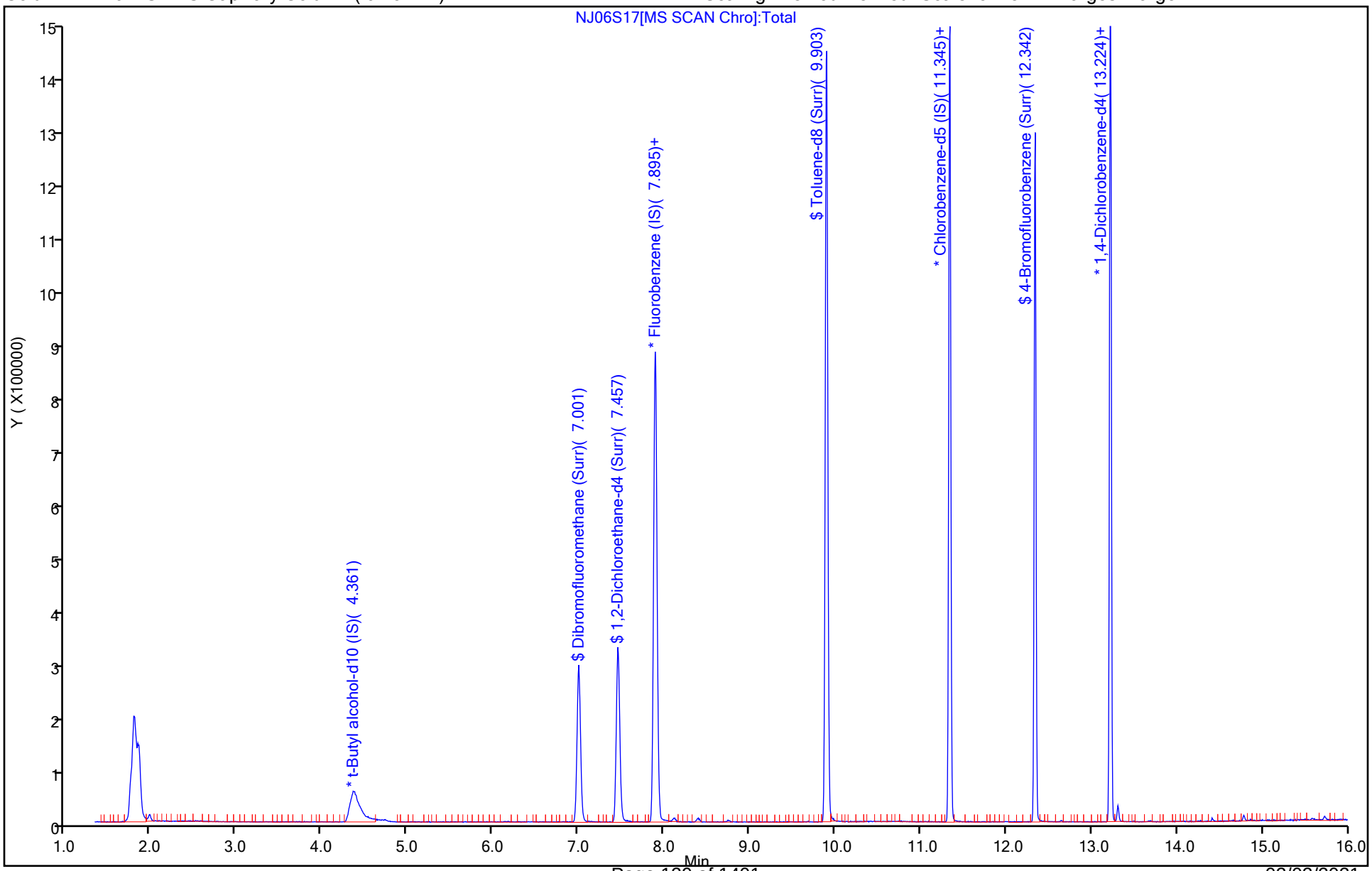
Report Date: 06-Jan-2021 17:16:52 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S17.D

Injection Date:	06-Jan-2021 16:42:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-18	Lab Sample ID:	410-25282-18	Worklist Smp#:	24
Client ID:	MW-13D-20201230				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

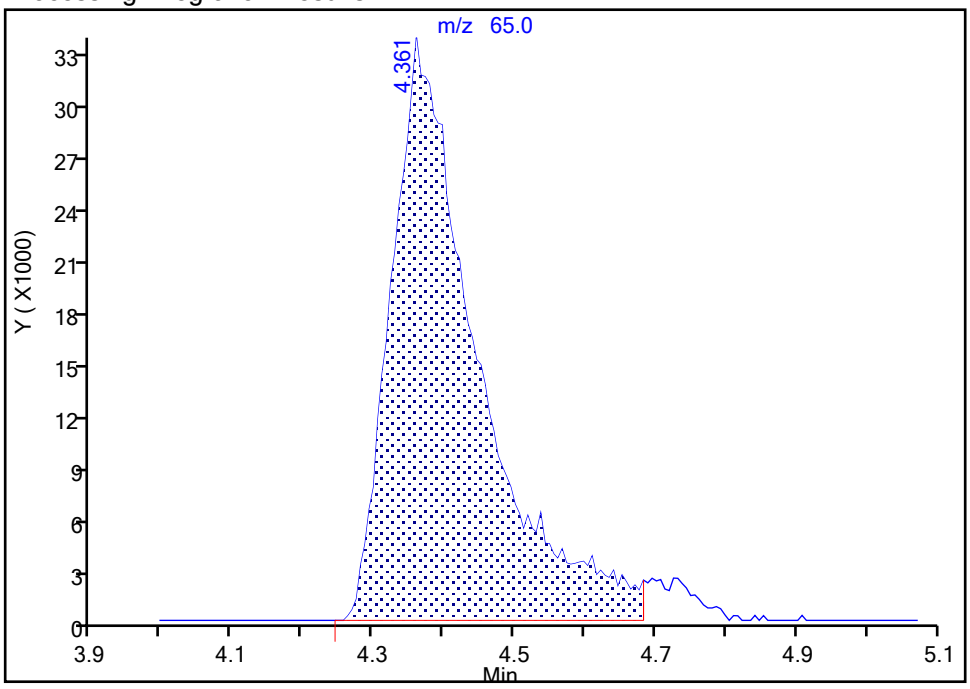
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S17.D				
Injection Date:	06-Jan-2021 16:42:30	Instrument ID:	7159		
Lims ID:	410-25282-A-18	Lab Sample ID:	410-25282-18		
Client ID:	MW-13D-20201230				
Operator ID:	lcp00895	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

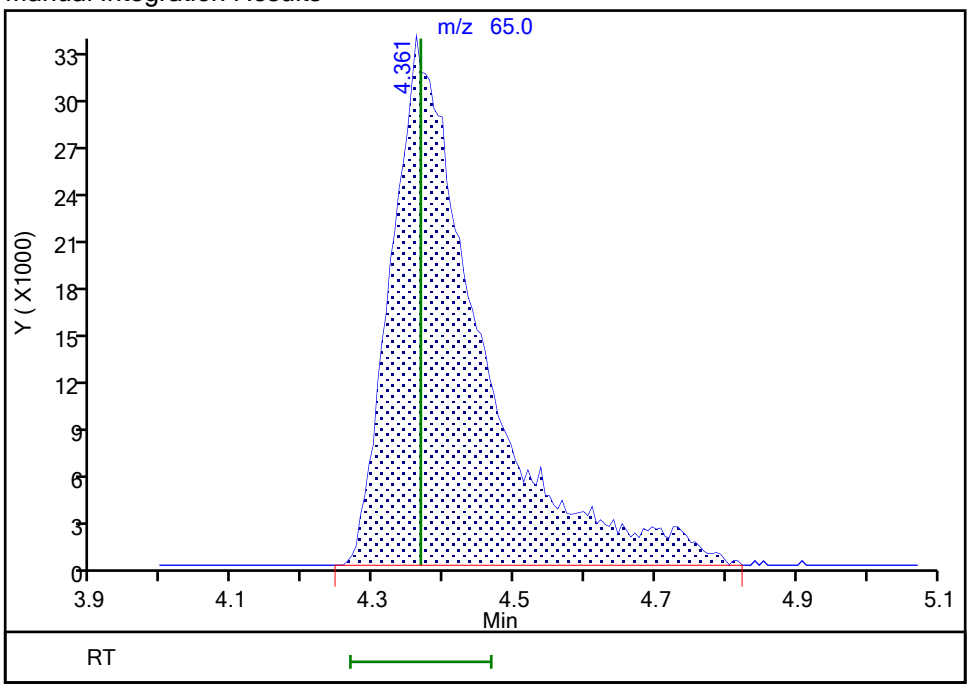
Processing Integration Results

RT: 4.36
Area: 283162
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.36
Area: 294161
Amount: 250.0000
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 17:16:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-13S-20201230 Lab Sample ID: 410-25282-19

Matrix: Ground Water Lab File ID: NJ06S18.D

Analysis Method: 8260C Date Collected: 12/30/2020 12:05

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 17:04

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2.0	J	5.0	1.0
100-41-4	Ethylbenzene	3.8	J	5.0	2.0
108-88-3	Toluene	1.1	J	5.0	1.0
1330-20-7	Xylenes, Total	ND		30	7.0
1634-04-4	Methyl tertiary butyl ether	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S18.D
Lims ID: 410-25282-A-19
Client ID: MW-13S-20201230
Sample Type: Client
Inject. Date: 06-Jan-2021 17:04:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 410-0019298-025
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 17:47:04 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 17:47:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.361	4.367	-0.006	0	305541	250.0	
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.001	0.006	94	253873	47.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	70509	48.8	
60 Benzene	78	7.494	7.494	0.000	47	11146	0.4013	
* 64 Fluorobenzene (IS)	96	7.896	7.901	-0.005	99	1153864	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	93	1102973	49.1	
82 Toluene	92	9.970	9.976	-0.006	98	3675	0.2109	M
S 92 Xylenes, Total	106				0		0.9348	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	837899	50.0	
97 Ethylbenzene	91	11.454	11.454	0.000	99	25357	0.7520	
98 m-Xylene & p-Xylene	106	11.570	11.564	0.006	98	5251	0.3972	
99 o-Xylene	106	11.898	11.898	0.000	97	6914	0.5375	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.342	0.001	89	411316	46.9	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	434327	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

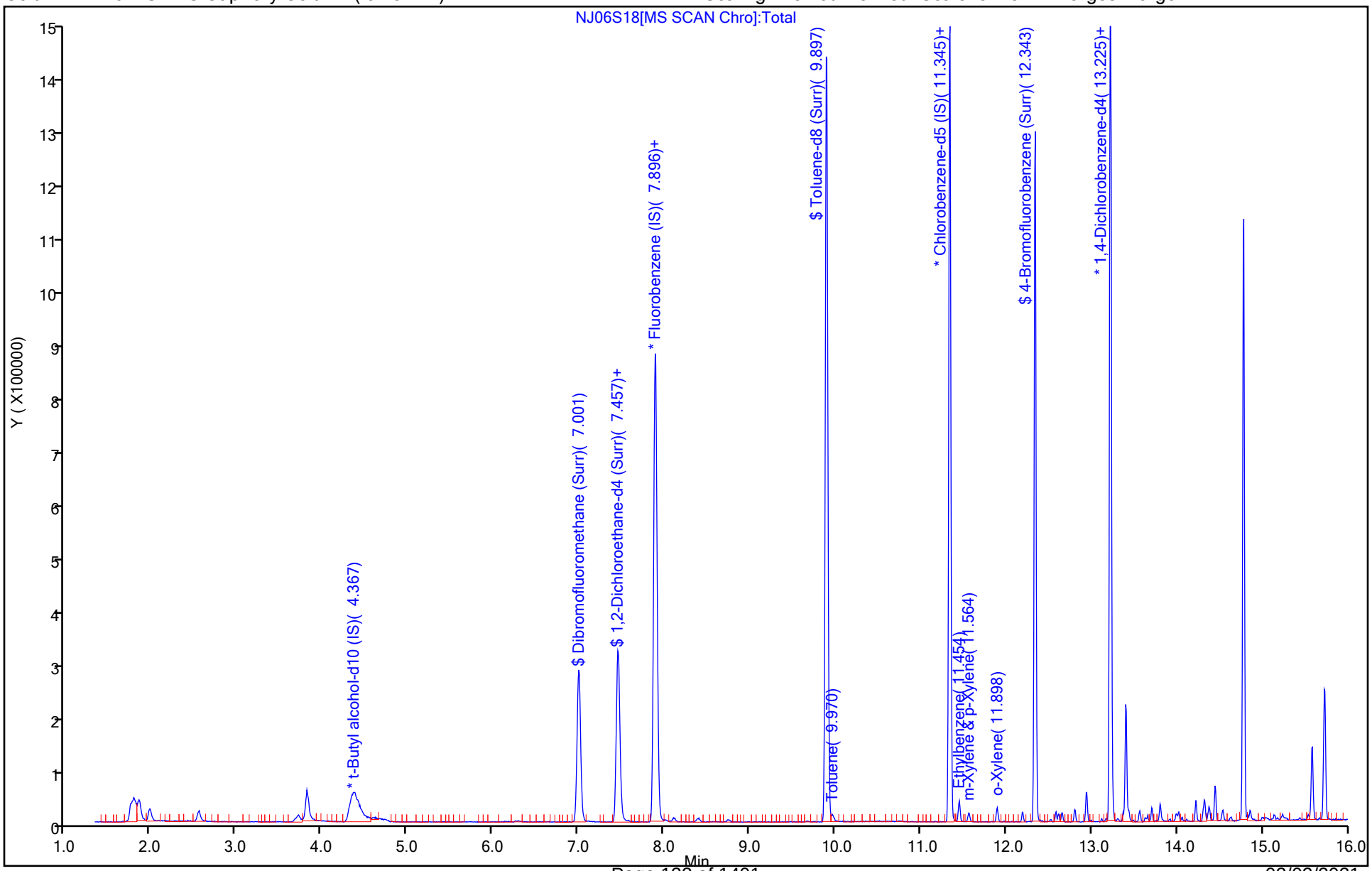
MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 17:47:23 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S18.D				
Injection Date:	06-Jan-2021 17:04:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-19	Lab Sample ID:	410-25282-19	Worklist Smp#:	25
Client ID:	MW-13S-20201230				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	25
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2

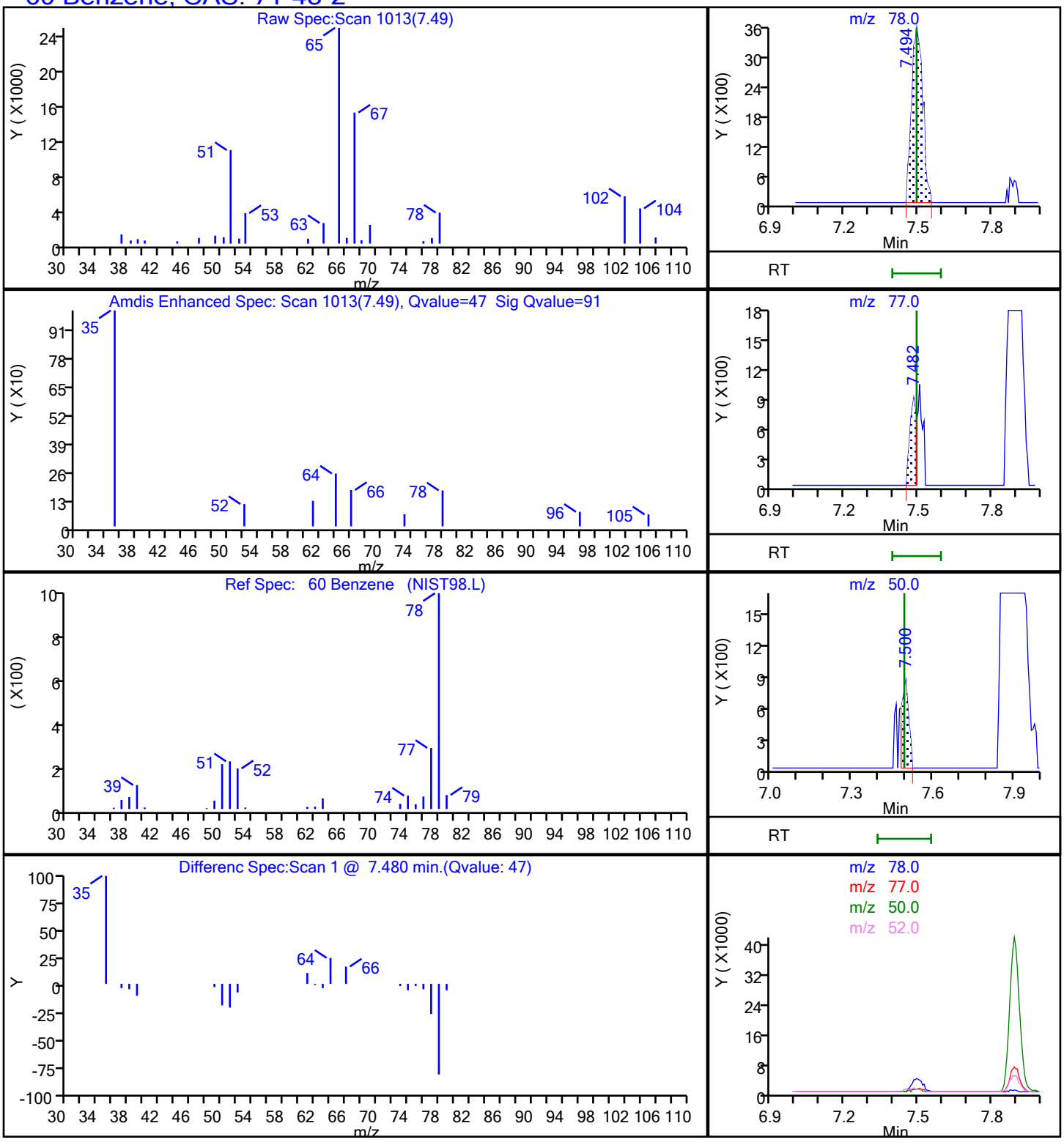


Report Date: 06-Jan-2021 17:47:23 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S18.D				
Injection Date:	06-Jan-2021 17:04:30	Instrument ID:	7159		
Lims ID:	410-25282-A-19	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	lcp00895	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2

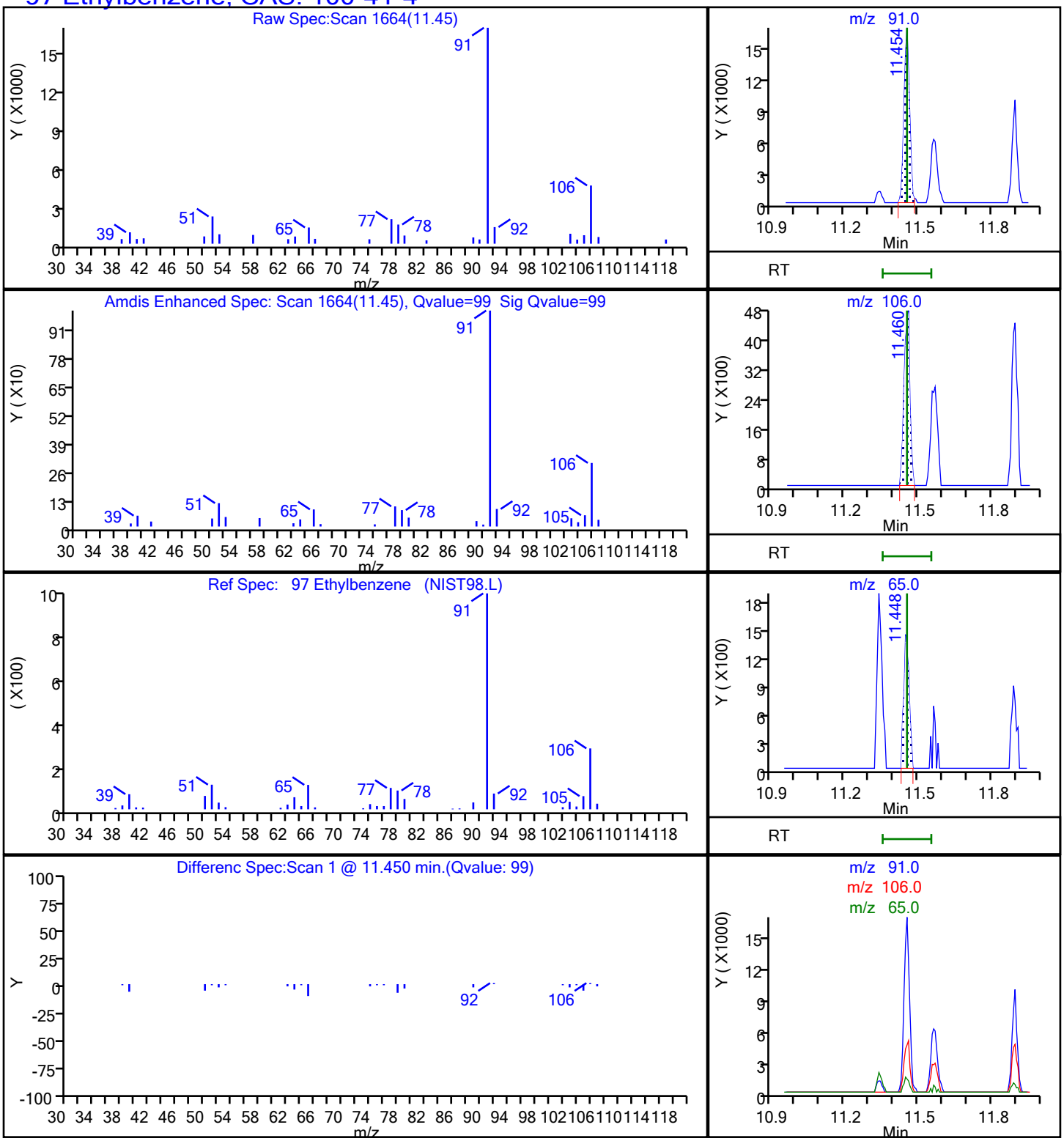


Report Date: 06-Jan-2021 17:47:23 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S18.D				
Injection Date:	06-Jan-2021 17:04:30	Instrument ID:	7159		
Lims ID:	410-25282-A-19	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	lcp00895	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

97 Ethylbenzene, CAS: 100-41-4

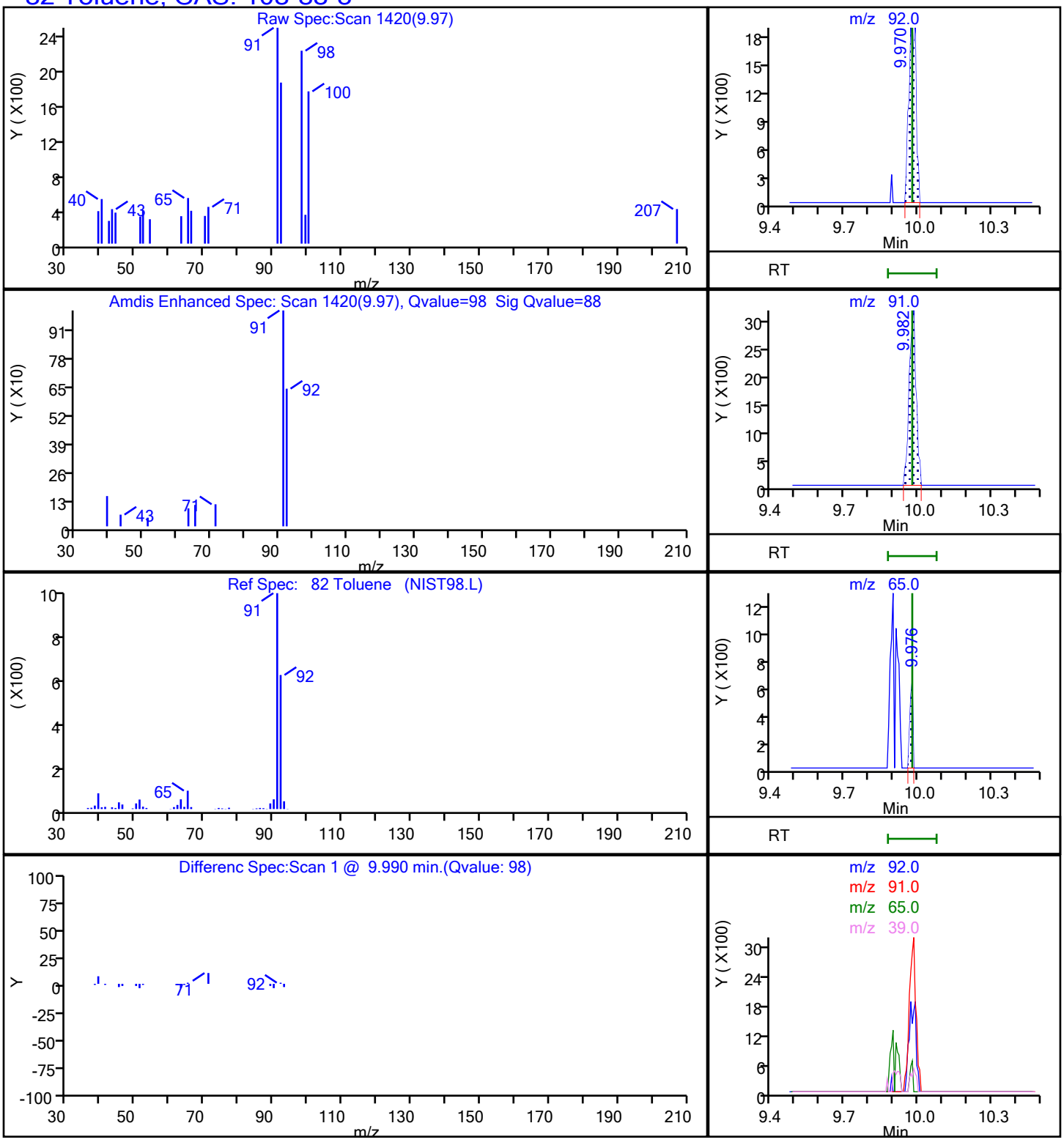


Report Date: 06-Jan-2021 17:47:23 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S18.D				
Injection Date:	06-Jan-2021 17:04:30	Instrument ID:	7159		
Lims ID:	410-25282-A-19	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	lcp00895	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

82 Toluene, CAS: 108-88-3



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

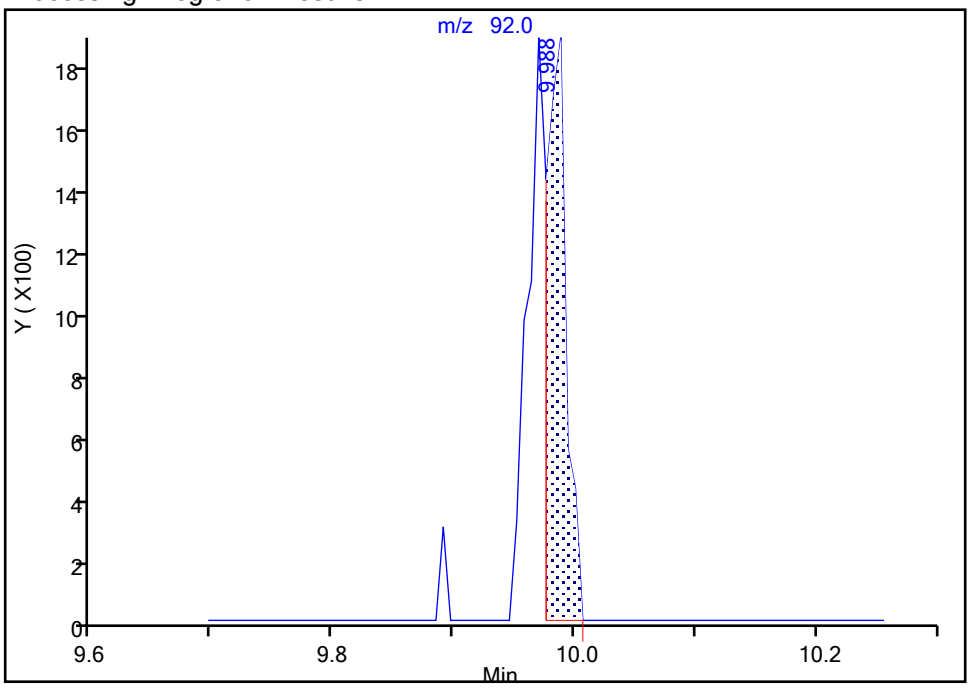
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S18.D				
Injection Date:	06-Jan-2021 17:04:30	Instrument ID:	7159		
Lims ID:	410-25282-A-19	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	lcp00895	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

82 Toluene, CAS: 108-88-3

Signal: 1

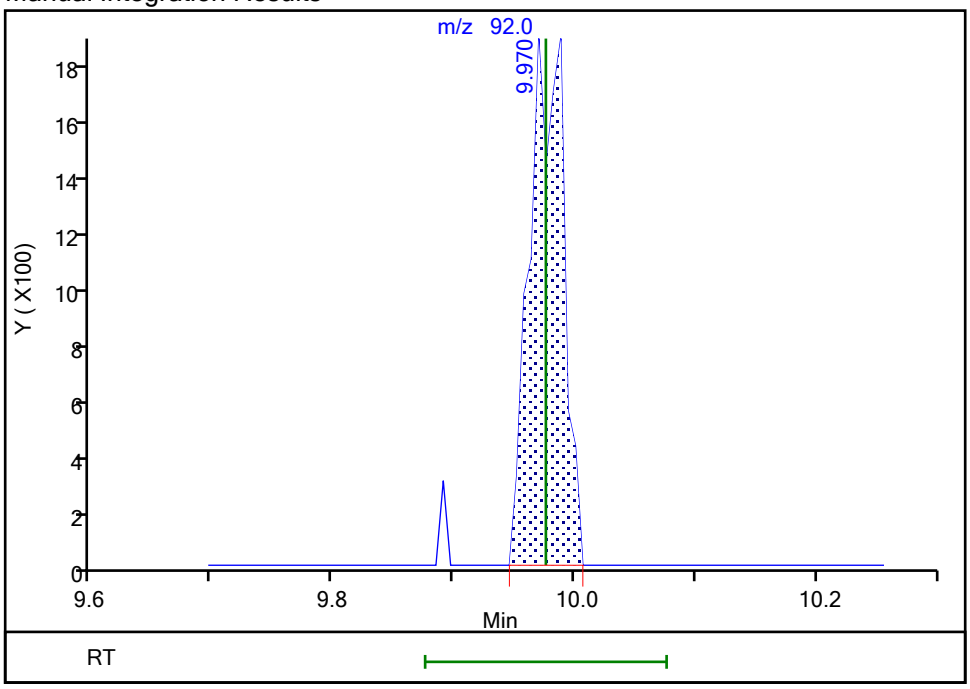
Processing Integration Results

RT: 9.99
Area: 2144
Amount: 0.123060
Amount Units: ug/l



Manual Integration Results

RT: 9.97
Area: 3675
Amount: 0.210935
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 17:46:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: DUP-20201230 Lab Sample ID: 410-25282-20

Matrix: Ground Water Lab File ID: NJ06S19.D

Analysis Method: 8260C Date Collected: 12/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 17:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1.6		1.0	0.20
100-41-4	Ethylbenzene	7.3		1.0	0.40
108-88-3	Toluene	1.3		1.0	0.20
1330-20-7	Xylenes, Total	9.0		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D
Lims ID: 410-25282-A-20
Client ID: DUP-20201230
Sample Type: Client
Inject. Date: 06-Jan-2021 17:26:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-026
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 18:02:27 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1621

First Level Reviewer: proctore Date: 06-Jan-2021 18:02:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.367	0.006	0	271986	250.0	M
33 Methyl tert-butyl ether	73	4.811	4.781	0.030	1	1081	0.0518	7M
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.001	0.006	94	253447	47.1	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	71411	49.2	
60 Benzene	78	7.494	7.494	0.000	94	44010	1.58	
* 64 Fluorobenzene (IS)	96	7.896	7.901	-0.005	99	1158902	50.0	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	94	1112288	50.0	
82 Toluene	92	9.976	9.976	0.000	98	22872	1.33	
S 92 Xylenes, Total	106				0		9.00	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	828506	50.0	
97 Ethylbenzene	91	11.454	11.454	0.000	98	244966	7.35	
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	99	57704	4.41	
99 o-Xylene	106	11.899	11.898	0.000	97	58284	4.58	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.342	0.001	89	407041	47.0	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	432213	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

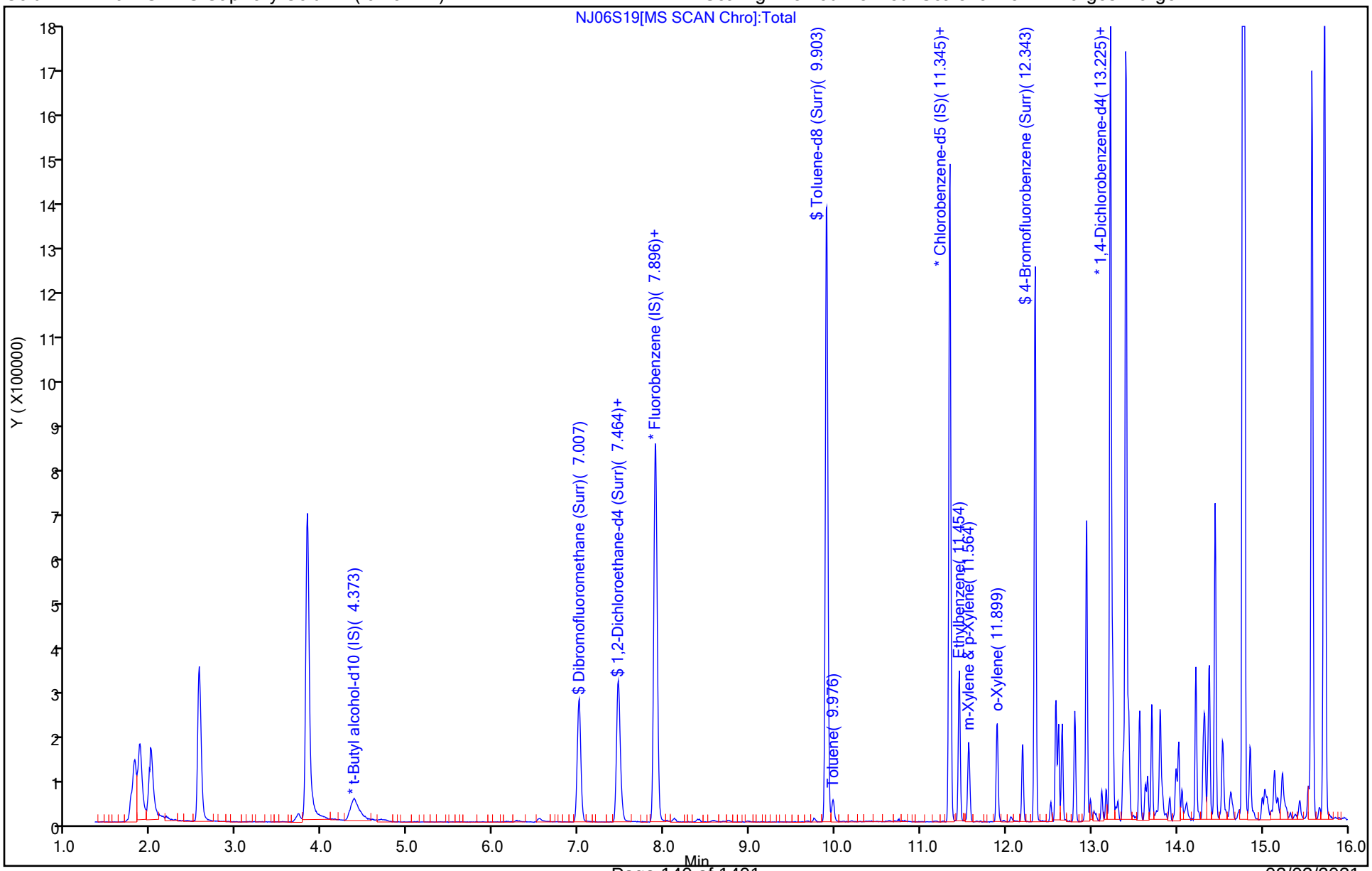
Report Date: 06-Jan-2021 18:02:50 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D

Injection Date:	06-Jan-2021 17:26:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-20	Lab Sample ID:	410-25282-20	Worklist Smp#:	26
Client ID:	DUP-20201230				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 06-Jan-2021 18:02:50 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D

Injection Date: 06-Jan-2021 17:26:30 Instrument ID: 7159

Lims ID: 410-25282-A-20 Lab Sample ID: 410-25282-20

Client ID: DUP-20201230

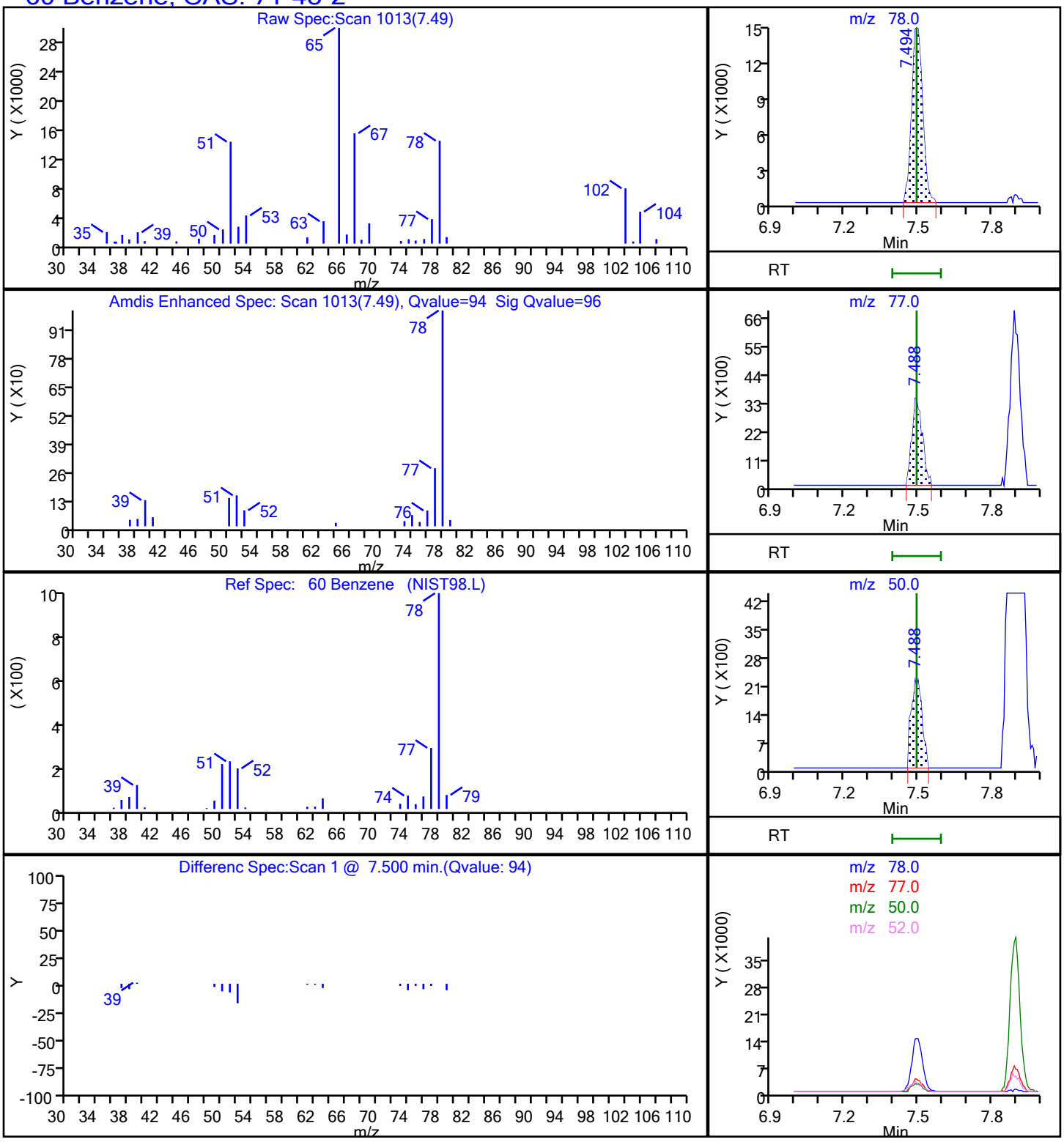
Operator ID: lcp00895 ALS Bottle#: 26 Worklist Smp#: 26

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

60 Benzene, CAS: 71-43-2



Report Date: 06-Jan-2021 18:02:50 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D

Injection Date: 06-Jan-2021 17:26:30 Instrument ID: 7159

Lims ID: 410-25282-A-20 Lab Sample ID: 410-25282-20

Client ID: DUP-20201230

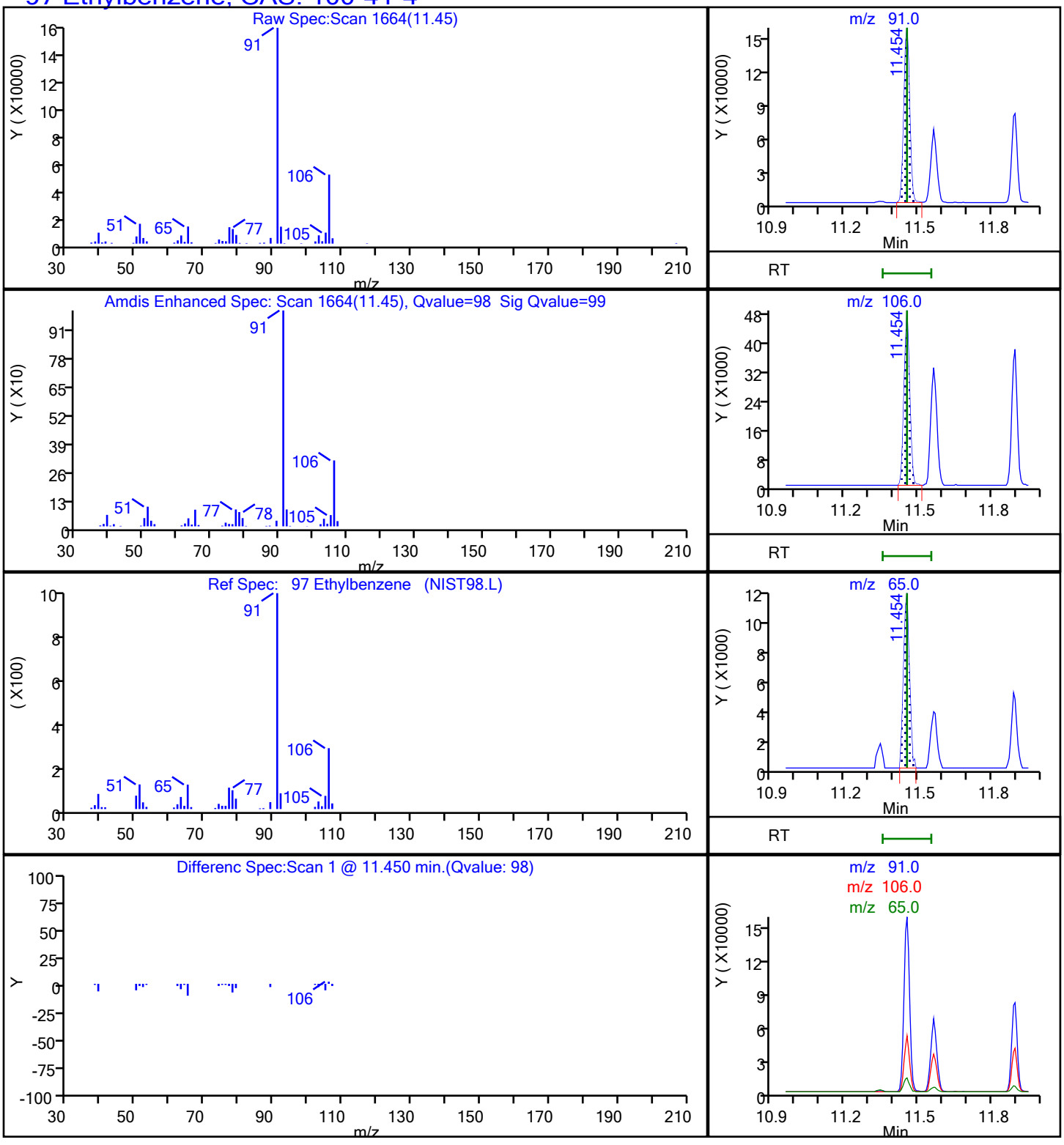
Operator ID: lcp00895 ALS Bottle#: 26 Worklist Smp#: 26

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

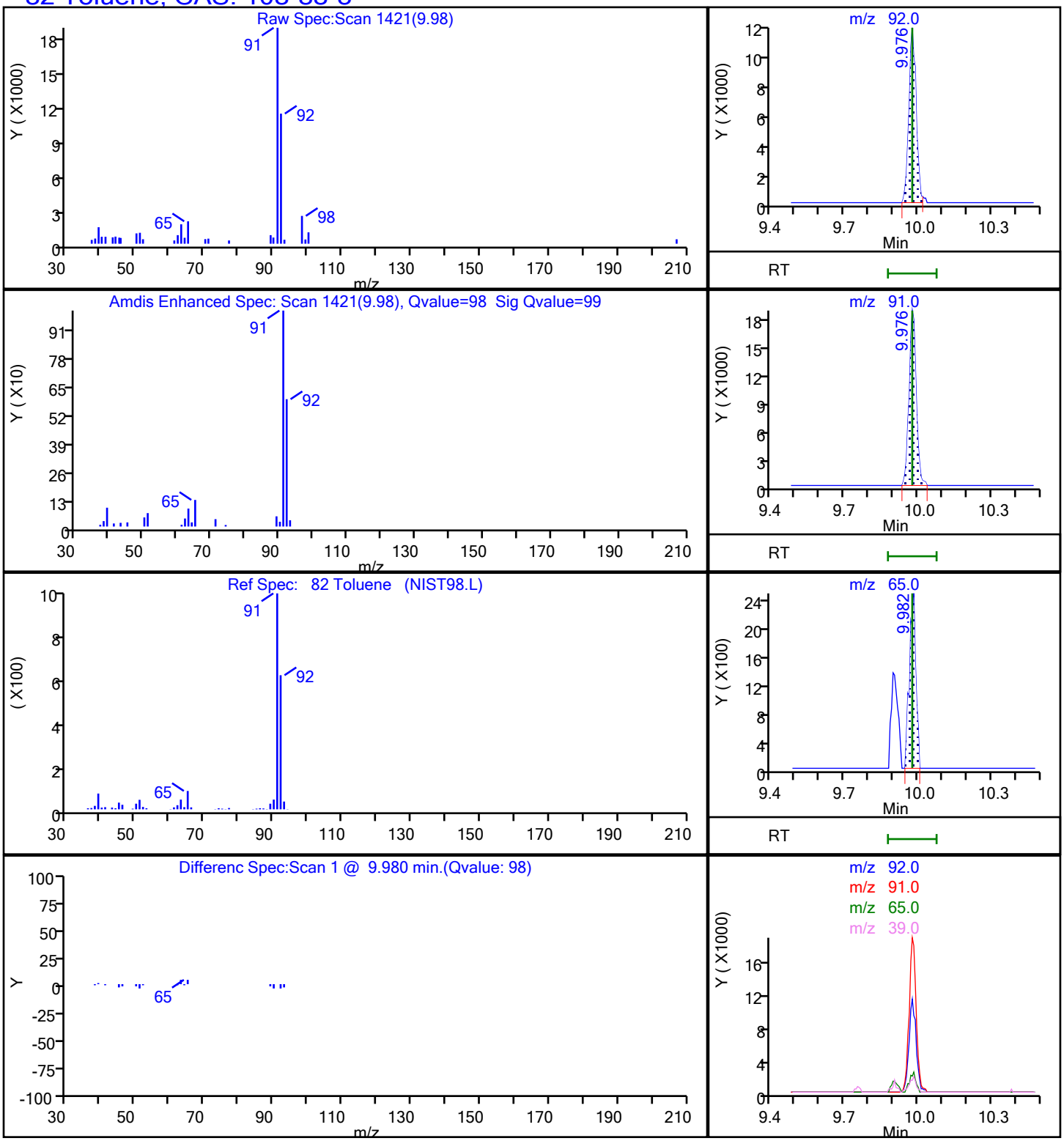
97 Ethylbenzene, CAS: 100-41-4



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D				
Injection Date:	06-Jan-2021 17:26:30	Instrument ID:	7159		
Lims ID:	410-25282-A-20	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	lcp00895	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

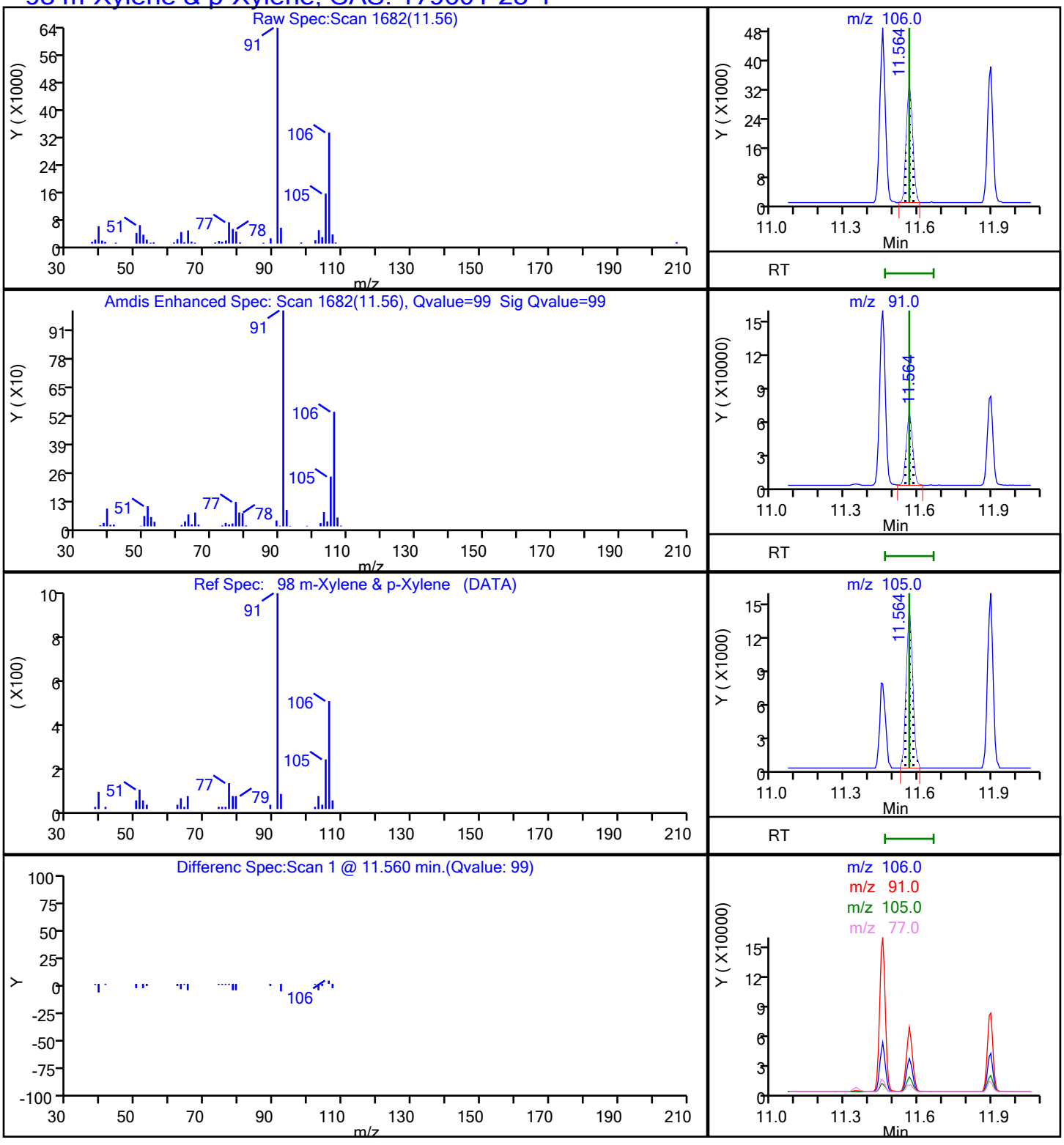
82 Toluene, CAS: 108-88-3



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D				
Injection Date:	06-Jan-2021 17:26:30	Instrument ID:	7159		
Lims ID:	410-25282-A-20	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	lcp00895	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

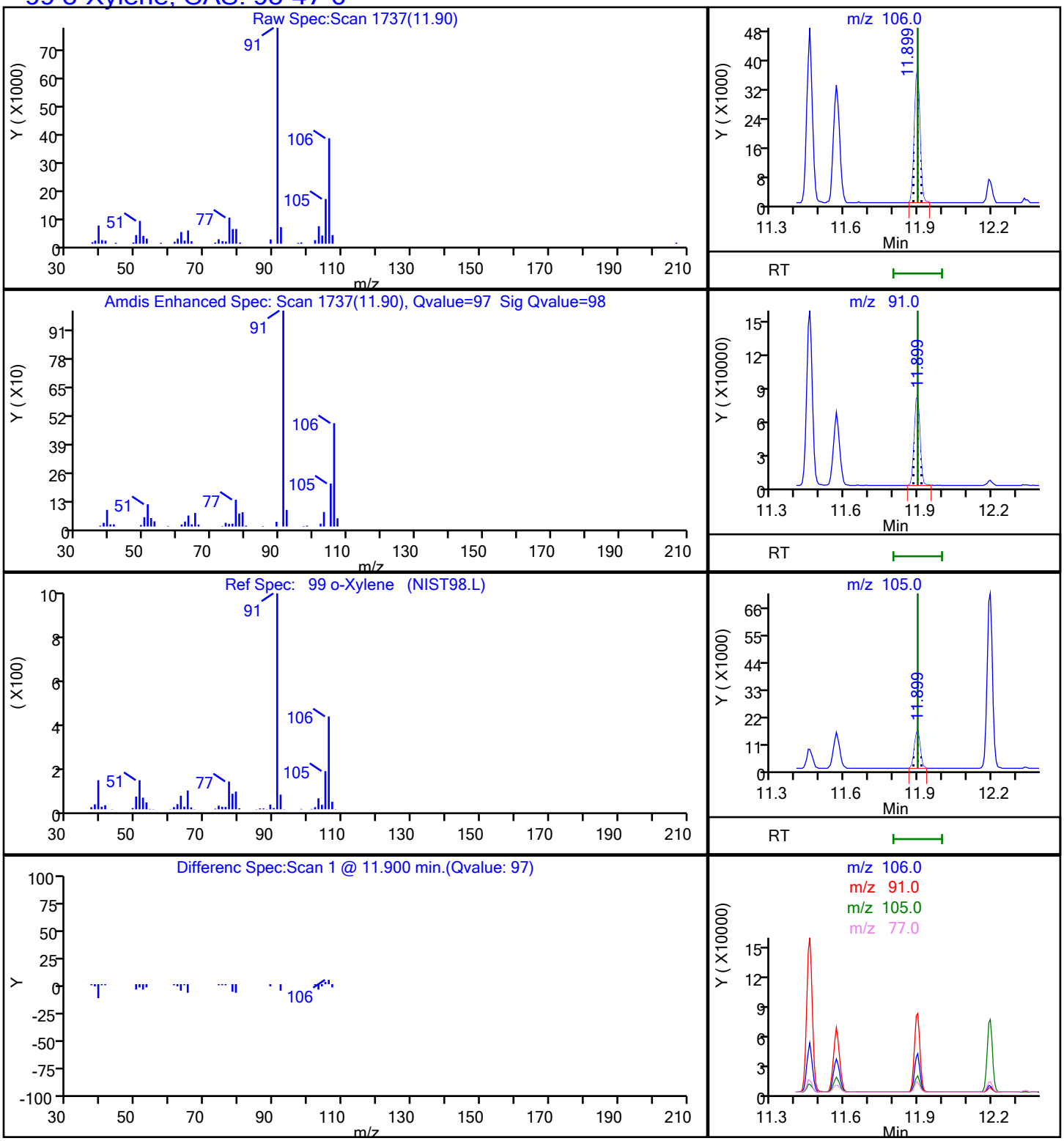
98 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D				
Injection Date:	06-Jan-2021 17:26:30	Instrument ID:	7159		
Lims ID:	410-25282-A-20	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	lcp00895	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

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



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

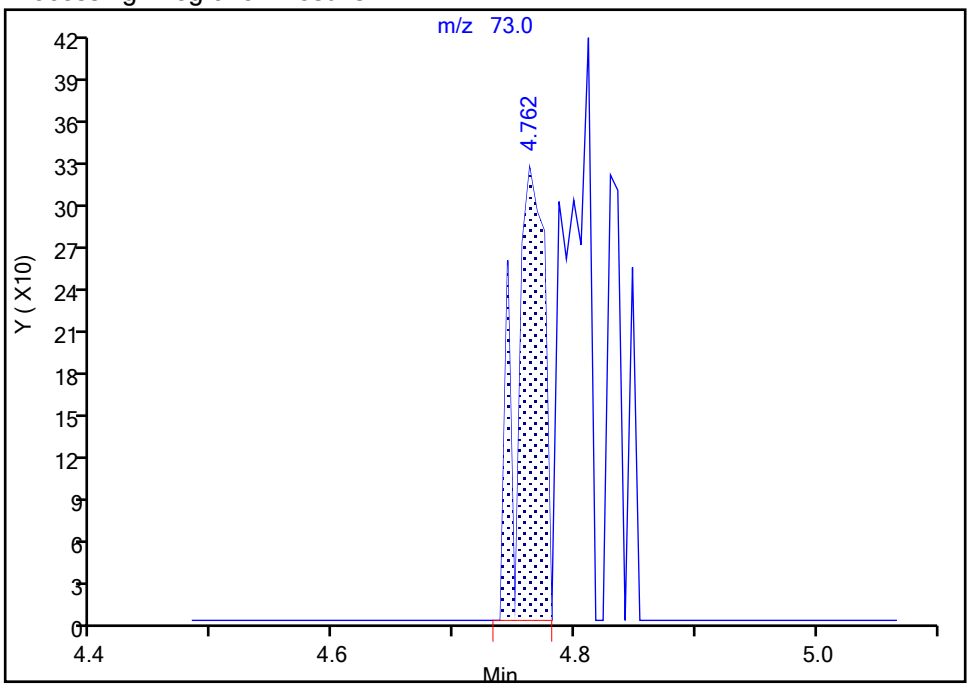
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D				
Injection Date:	06-Jan-2021 17:26:30	Instrument ID:	7159		
Lims ID:	410-25282-A-20	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	lcp00895	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

33 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

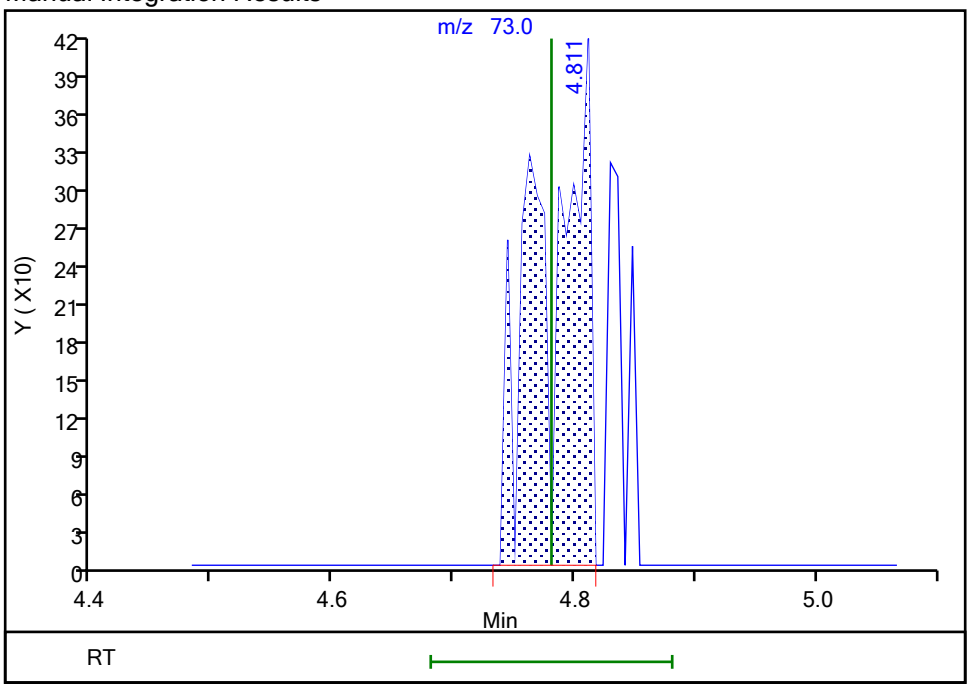
Processing Integration Results

RT: 4.76
Area: 518
Amount: 0.024827
Amount Units: ug/l



Manual Integration Results

RT: 4.81
Area: 1081
Amount: 0.051810
Amount Units: ug/l



Reviewer: proctore, 06-Jan-2021 18:02:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

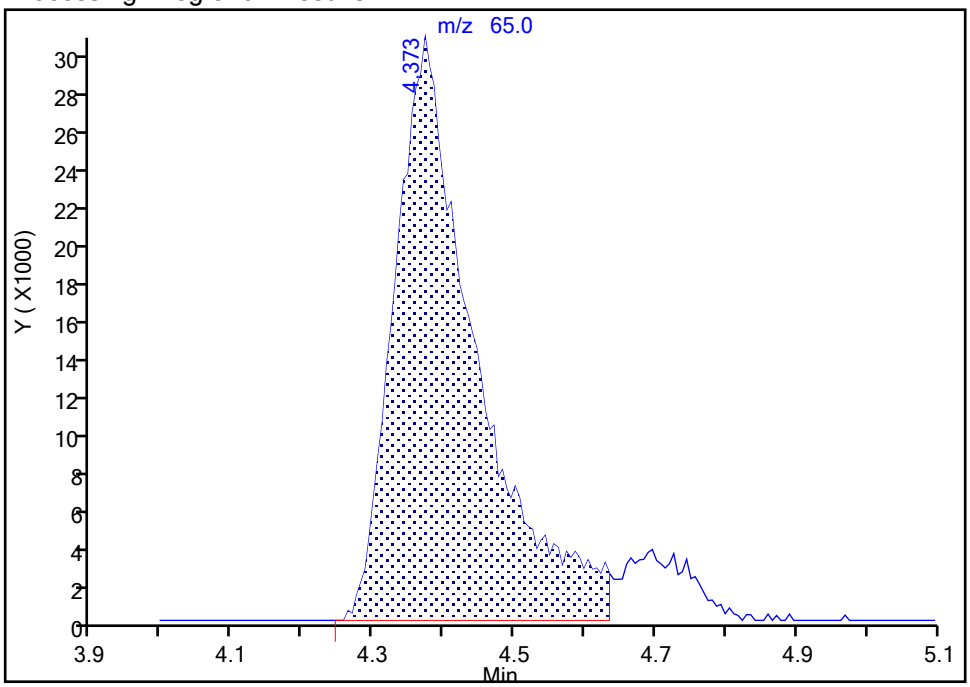
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S19.D				
Injection Date:	06-Jan-2021 17:26:30	Instrument ID:	7159		
Lims ID:	410-25282-A-20	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	lcp00895	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

Processing Integration Results

RT: 4.37
Area: 247513
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 271986
Amount: 250.0000
Amount Units: ug/l

Reviewer: proctore, 06-Jan-2021 18:02:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Trip Blank-20201230 Lab Sample ID: 410-25282-21

Matrix: Water Lab File ID: NJ06S02.D

Analysis Method: 8260C Date Collected: 12/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 11:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S02.D
Lims ID: 410-25282-A-21
Client ID: Trip Blank-20201230
Sample Type: Client
Inject. Date: 06-Jan-2021 11:11:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-009
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 12:51:09 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 12:14:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.367	0.012	0	301285	250.0	M
33 Methyl tert-butyl ether	73		4.781				ND	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.001	0.006	94	257796	47.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.470	7.463	0.007	98	71964	49.3	
60 Benzene	78		7.494				ND	
* 64 Fluorobenzene (IS)	96	7.902	7.901	0.001	99	1166364	50.0	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1127085	49.8	
82 Toluene	92		9.976				ND	
S 92 Xylenes, Total	106		11.245				ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	844133	50.0	
97 Ethylbenzene	91		11.454				ND	
98 m-Xylene & p-Xylene	106		11.564				ND	
99 o-Xylene	106		11.898				ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.342	0.001	89	413484	46.8	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	438897	50.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

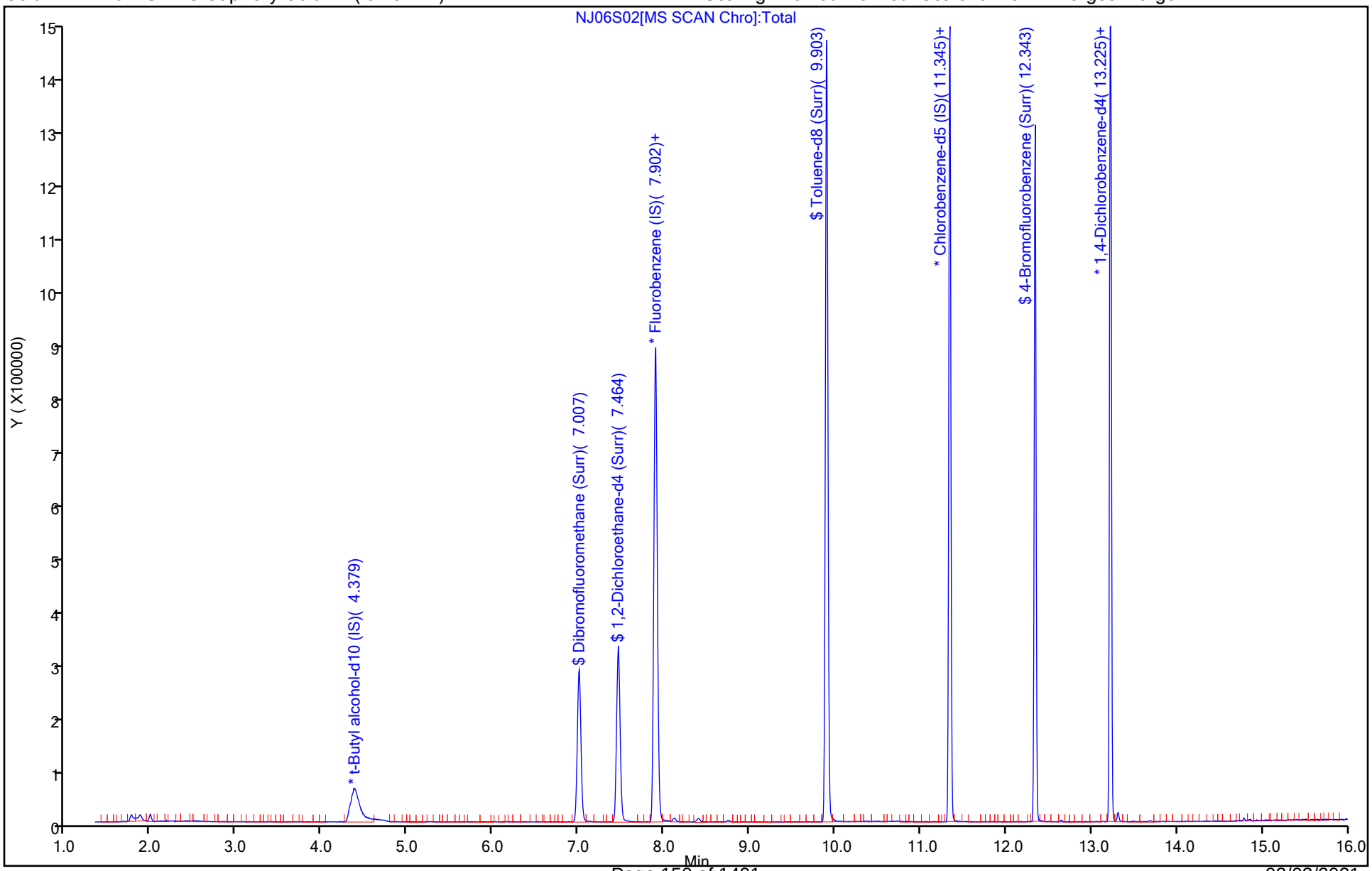
MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 12:53:48 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S02.D				
Injection Date:	06-Jan-2021 11:11:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	410-25282-A-21	Lab Sample ID:	410-25282-21	Worklist Smp#:	9
Client ID:	Trip Blank-20201230				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

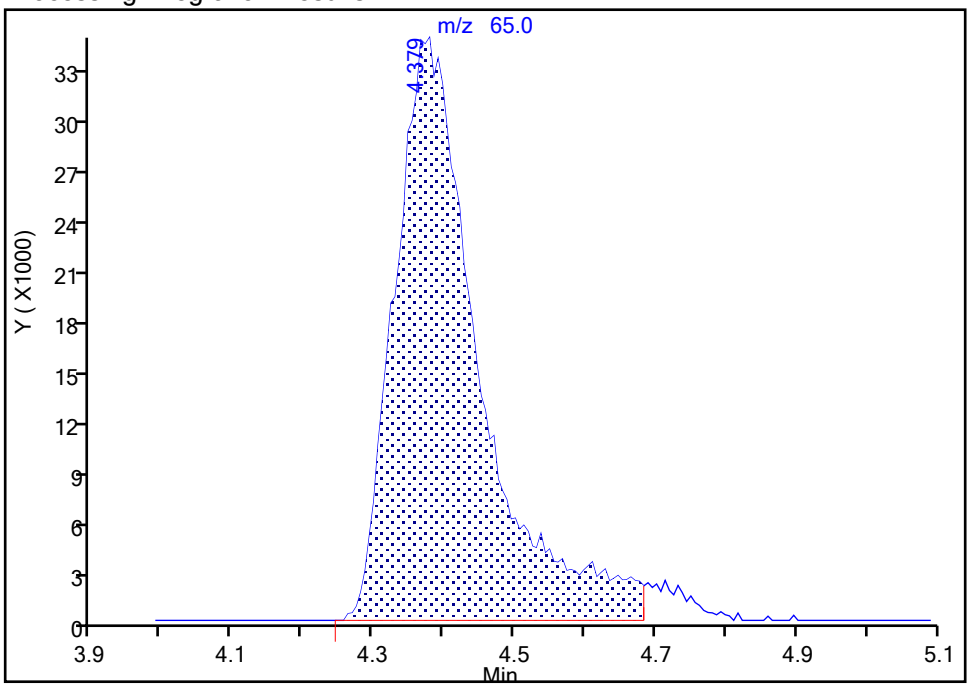
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S02.D				
Injection Date:	06-Jan-2021 11:11:30	Instrument ID:	7159		
Lims ID:	410-25282-A-21	Lab Sample ID:	410-25282-21		
Client ID:	Trip Blank-20201230				
Operator ID:	lcp00895	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

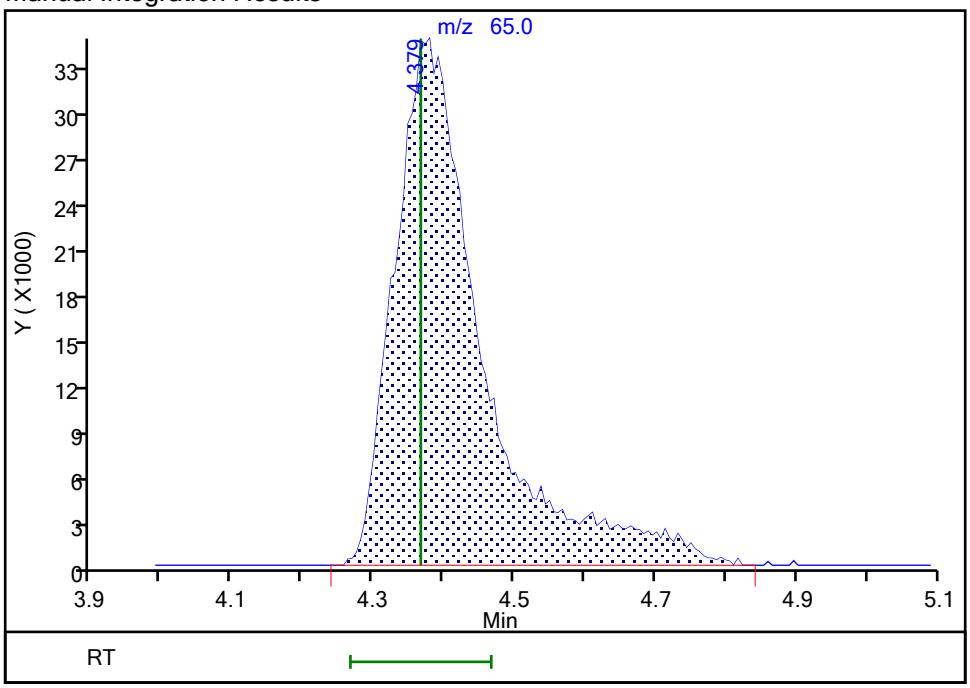
Processing Integration Results

RT: 4.38
Area: 291975
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.38
Area: 301285
Amount: 250.0000
Amount Units: ug/l



Reviewer: papel, 06-Jan-2021 12:14:27

Audit Action: Manually Integrated Audit Reason: Baseline

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-63741/9	NN09I07.D
Level 2	IC 410-63741/8	NN09I06.D
Level 3	IC 410-63741/7	NN09I05.D
Level 4	IC 410-63741/6	NN09I04.D
Level 5	ICIS 410-63741/5	NN09I03.D
Level 6	IC 410-63741/4	NN09I02.D
Level 7	IC 410-63741/3	NN09I01.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 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2040 0.2697	0.2957 0.2684	0.2750	0.2779	0.2843	Ave		0.2679			0.1000	11.1		20.0			
Chloromethane	0.3671 0.3403	0.3565 0.3406	0.3456	0.3675	0.3448	Ave		0.3518			0.1000	3.4		20.0			
Vinyl chloride	0.2983 0.3474	0.3547 0.3426	0.3522	0.3522	0.3384	Ave		0.3408			0.1000	5.8		20.0			
1,3-Butadiene	0.4366 0.2990	0.3362 0.2833	0.3070	0.2844	0.2987	Ave		0.3208				16.9		20.0			
Bromomethane	0.2113 0.2365	0.2373 0.2305	0.2448	0.2507	0.2354	Ave		0.2352			0.1000	5.3		20.0			
Chloroethane	0.1956 0.2226	0.2230 0.2157	0.2284	0.2354	0.2186	Ave		0.2199			0.1000	5.7		20.0			
Dichlorofluoromethane	0.5302 0.5084	0.5490 0.4945	0.5307	0.5209	0.4961	Ave		0.5185			0.1000	3.9		20.0			
Trichlorofluoromethane	0.3587 0.4254	0.4321 0.4229	0.4363	0.4374	0.4376	Ave		0.4215			0.1000	6.7		20.0			
n-Pentane	0.3637 0.4716	0.4473 0.4448	0.4731	0.3673	0.4840	Ave		0.4360				11.5		20.0			
Ethanol	0.0792 0.0738	0.0754 0.0709	0.0733	0.0691	0.0693	Ave		0.0730				4.9		20.0			
Freon 123a	0.2956 0.3183	0.3265 0.3115	0.3390	0.3077	0.3176	Ave		0.3166				4.4		20.0			
Acrolein	1.9335 1.9563	1.7943 1.8198	1.8049	1.7426	1.8052	Ave		1.8366				4.3		20.0			
1,1-Dichloroethene	0.2217 0.2556	0.2564 0.2440	0.2663	0.2372	0.2519	Ave		0.2476			0.1000	5.9		20.0			
Acetone	0.6734 0.8074	0.8134 0.7666	0.8064	0.7229	0.7791	Ave		0.7670			0.1000	6.8		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

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 4	LVL 5		B	M1	M2								
Freon 113	0.1847 0.2618	0.2546 0.2455	0.2626	0.2180	0.2665	Ave		0.2420			0.1000	12.5		20.0			
2-Propanol	0.4960 0.4563	0.3912 0.4554	0.4869	0.4837	0.4343	Ave		0.4577				8.0		20.0			
Methyl iodide	0.3730 0.4451	0.4274 0.4234	0.4468	0.4229	0.4376	Ave		0.4252				5.9		20.0			
Carbon disulfide	0.7508 0.8618	0.8200 0.8211	0.8751	0.8013	0.8465	Ave		0.8252			0.1000	5.1		20.0			
Methyl acetate	0.3602 0.2590	0.2729 0.2702	0.2468	0.2558	0.2656	Ave		0.2758			0.1000	13.9		20.0			
Allyl chloride	0.3763 0.4284	0.4281 0.4132	0.4133	0.4133	0.4141	Ave		0.4124				4.2		20.0			
Methylene Chloride	0.2658 0.2926	0.2808 0.2783	0.2993	0.2788	0.2813	Ave		0.2824			0.1000	3.8		20.0			
t-Butyl alcohol	0.9896 1.0288	0.8618 1.0026	1.0074	1.0249	1.0076	Ave		0.9890				5.8		20.0			
Acrylonitrile	0.1266 0.1456	0.1418 0.1494	0.1478	0.1467	0.1541	Ave		0.1446				6.1		20.0			
Methyl tertiary butyl ether	0.8820 0.9158	0.8977 0.8737	0.9285	0.8929	0.9108	Ave		0.9002			0.1000	2.2		20.0			
trans-1,2-Dichloroethene	0.2474 0.2947	0.2880 0.2807	0.3001	0.2736	0.2880	Ave		0.2818			0.1000	6.2		20.0			
n-Hexane	0.3489 0.4634	0.4491 0.4383	0.4563	0.3280	0.4711	Ave		0.4222				13.8		20.0			
1,1-Dichloroethane	0.4517 0.5296	0.5021 0.5045	0.5326	0.5025	0.5220	Ave		0.5064			0.2000	5.4		20.0			
di-Isopropyl ether	0.8687 0.9054	0.8692 0.8560	0.9167	0.8650	0.8875	Ave		0.8812				2.6		20.0			
2-Chloro-1,3-butadiene	0.4067 0.4919	0.4737 0.4693	0.4886	0.4557	0.4818	Ave		0.4668				6.3		20.0			
Ethyl t-butyl ether	0.9096 0.9168	0.9018 0.8659	0.9253	0.8942	0.9187	Ave		0.9046				2.2		20.0			
2-Butanone	0.2744 0.1883	0.1994 0.1879	0.1865	0.1850	0.1968	Ave		0.2026			0.1000	15.9		20.0			
cis-1,2-Dichloroethene	0.3185 0.3344	0.3200 0.3177	0.3473	0.3160	0.3249	Ave		0.3256			0.1000	3.5		20.0			
2,2-Dichloropropane	0.4221 0.4864	0.4723 0.4612	0.4876	0.4444	0.4776	Ave		0.4645				5.2		20.0			
Propionitrile	1.1522 1.2730	1.2003 1.2102	1.1415	1.1889	1.2228	Ave		1.1984				3.7		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

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 4	LVL 5		B	M1	M2								
Methacrylonitrile	0.1611 0.1698	0.1610 0.1633	0.1632	0.1638	0.1694	Ave		0.1645				2.2		20.0			
Bromochloromethane	0.1436 0.1556	0.1505 0.1489	0.1534	0.1492	0.1534	Ave		0.1506				2.6		20.0			
Tetrahydrofuran	1.7458 1.2791	1.2850 1.1914	1.1850	1.2151	1.2043	Ave		1.3008				15.4		20.0			
Chloroform	0.4862 0.5147	0.5083 0.4882	0.5168	0.4875	0.5040	Ave		0.5008			0.2000	2.7		20.0			
1,1,1-Trichloroethane	0.4286 0.4678	0.4489 0.4474	0.4772	0.4332	0.4629	Ave		0.4523			0.1000	4.0		20.0			
Cyclohexane	0.4445 0.5380	0.5340 0.5091	0.5377	0.4355	0.5512	Ave		0.5072			0.1000	9.4		20.0			
1,1-Dichloropropene	0.3604 0.4346	0.4079 0.4225	0.4343	0.4012	0.4264	Ave		0.4125				6.3		20.0			
Carbon tetrachloride	0.3220 0.3946	0.3675 0.3770	0.3912	0.3566	0.3894	Ave		0.3712			0.1000	6.9		20.0			
Isobutyl alcohol	0.3158 0.3418	0.3263 0.3287	0.3337	0.3134	0.3258	Ave		0.3265				3.0		20.0			
Benzene	1.1032 1.2563	1.2012 1.1915	1.2571	1.1847	1.2301	Ave		1.2034			0.5000	4.4		20.0			
1,2-Dichloroethane	0.4330 0.4120	0.4163 0.3993	0.4063	0.3754	0.4018	Ave		0.4063			0.1000	4.3		20.0			
t-Amyl methyl ether	0.8737 0.9129	0.9044 0.8546	0.9257	0.8924	0.9151	Ave		0.8970				2.8		20.0			
n-Heptane	0.4342 0.4604	0.4171 0.4403	0.4049	0.3057	0.4638	Ave		0.4180				12.9		20.0			
n-Butanol	0.3001 0.3163	0.2818 0.2973	0.3066	0.3051	0.3025	Ave		0.3014				3.5		20.0			
Trichloroethene	0.2762 0.3188	0.3053 0.3090	0.3205	0.2950	0.3122	Ave		0.3053			0.2000	5.1		20.0			
Methylcyclohexane	0.4873 0.5696	0.5950 0.5604	0.5544	0.5324	0.5860	Ave		0.5550			0.1000	6.5		20.0			
t-Amyl ethyl ether	0.4394 0.5032	0.4754 0.4841	0.4933	0.4710	0.4956	Ave		0.4803				4.4		20.0			
1,2-Dichloropropane	0.2706 0.3179	0.2998 0.3083	0.3107	0.2961	0.3107	Ave		0.3020			0.1000	5.2		20.0			
Methyl methacrylate	0.3273 0.2912	0.2955 0.2805	0.2916	0.2805	0.2855	Ave		0.2932				5.5		20.0			
1,4-Dioxane	0.0637 0.0717	0.0614 0.0664	0.0679	0.0634	0.0663	Ave		0.0658			0.0050	5.2		20.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

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 4	LVL 5		B	M1	M2								
Dibromomethane	0.1701 0.1871	0.1785 0.1794	0.1878	0.1784	0.1808	Ave		0.1803				3.3		20.0			
Bromodichloromethane	0.3716 0.3993	0.3758 0.3887	0.3861	0.3734	0.3915	Ave		0.3838			0.2000	2.7		20.0			
2-Nitropropane	2.4870 2.6036	2.2690 2.5408	2.6387	2.3874	2.3881	Ave		2.4735				5.4		20.0			
2-Chloroethyl vinyl ether	0.2174 0.2372	0.2338 0.2301	0.2271	0.2272	0.2311	Ave		0.2291				2.7		20.0			
cis-1,3-Dichloropropene	0.4726 0.5304	0.4864 0.5098	0.5299	0.4965	0.5138	Ave		0.5056			0.2000	4.3		20.0			
4-Methyl-2-pentanone	0.4114 0.4000	0.4244 0.3884	0.4184	0.3995	0.4208	Ave		0.4090			0.1000	3.3		20.0			
Toluene	0.9709 1.0801	1.0573 1.0156	1.0874	1.0125	1.0539	Ave		1.0397			0.4000	4.0		20.0			
trans-1,3-Dichloropropene	0.5964 0.6392	0.6013 0.6097	0.6289	0.5974	0.6216	Ave		0.6135			0.1000	2.7		20.0			
Ethyl methacrylate	0.6240 0.6503	0.6599 0.6180	0.6408	0.6269	0.6355	Ave		0.6365				2.4		20.0			
1,1,2-Trichloroethane	0.3794 0.3652	0.3598 0.3474	0.3678	0.3545	0.3570	Ave		0.3616			0.1000	2.9		20.0			
Tetrachloroethene	0.4086 0.4626	0.4728 0.4470	0.5007	0.4693	0.4774	Ave		0.4626			0.2000	6.2		20.0			
1,3-Dichloropropane	0.6277 0.6431	0.6274 0.6145	0.6389	0.6209	0.6386	Ave		0.6301				1.7		20.0			
2-Hexanone	0.4490 0.4121	0.4323 0.3928	0.4313	0.4083	0.4279	Ave		0.4220			0.1000	4.4		20.0			
Dibromochloromethane	0.3400 0.4024	0.3679 0.3879	0.3933	0.3732	0.3911	Ave		0.3794				5.5		20.0			
1,2-Dibromoethane	0.3498 0.3880	0.3737 0.3715	0.3849	0.3699	0.3819	Ave		0.3743			0.1000	3.4		20.0			
1-Chlorohexane	0.5984 0.6370	0.6311 0.6037	0.6466	0.5622	0.6322	Ave		0.6159				4.8		20.0			
Chlorobenzene	1.0505 1.1729	1.1270 1.0933	1.1797	1.1034	1.1455	Ave		1.1246			0.5000	4.1		20.0			
1,1,1,2-Tetrachloroethane	0.3456 0.4053	0.3738 0.3872	0.3908	0.3737	0.3920	Ave		0.3812				5.0		20.0			
Ethylbenzene	1.8525 2.1053	2.0543 1.8911	2.1517	1.9623	2.0683	Ave		2.0122			0.1000	5.6		20.0			
m&p-Xylene	0.7315 0.8268	0.7907 0.7612	0.8336	0.7671	0.8106	Ave		0.7888			0.1000	4.8		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

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 4	LVL 5		B	M1	M2								
o-Xylene	0.6962 0.8116	0.7501 0.7556	0.8141	0.7535	0.7920	Ave		0.7676			0.3000	5.4		20.0			
Styrene	1.1918 1.3680	1.2766 1.2614	1.3660	1.2825	1.3419	Ave		1.2983			0.3000	4.9		20.0			
Bromoform	0.2376 0.2846	0.2543 0.2766	0.2672	0.2567	0.2774	Ave		0.2649			0.1000	6.2		20.0			
Isopropylbenzene	1.9142 2.1446	2.0981 1.8962	2.2071	1.9908	2.1242	Ave		2.0536			0.1000	5.9		20.0			
Cyclohexanone	0.2890 0.2769	0.2566 0.2805	0.2607	0.2619	0.2581	Ave		0.2691				4.8		20.0			
1,1,2,2-Tetrachloroethane	1.0448 1.0795	1.1258 1.0305	1.0956	1.0706	1.0822	Ave		1.0756			0.3000	2.9		20.0			
Bromobenzene	0.8458 0.8976	0.8690 0.8546	0.8882	0.8362	0.8928	Ave		0.8692				2.8		20.0			
trans-1,4-Dichloro-2-butene	0.3761 0.3896	0.3797 0.3733	0.3752	0.3730	0.3889	Ave		0.3794				1.9		20.0			
1,2,3-Trichloropropane	0.3446 0.3403	0.3415 0.3288	0.3504	0.3273	0.3417	Ave		0.3392				2.5		20.0			
N-Propylbenzene	4.2784 4.7931	4.6781 4.0761	4.8894	4.4335	4.7707	Ave		4.5599				6.6		20.0			
2-Chlorotoluene	0.7272 0.9490	0.8933 0.8946	0.9602	0.8698	0.9347	Ave		0.8898				8.9		20.0			
1,3,5-Trimethylbenzene	3.0798 3.5026	3.3485 3.1333	3.5690	3.2437	3.4614	Ave		3.3340				5.7		20.0			
4-Chlorotoluene	0.8688 0.9689	0.8812 0.9206	0.9610	0.9031	0.9467	Ave		0.9215				4.2		20.0			
tert-Butylbenzene	0.6418 0.7598	0.7126 0.7365	0.7366	0.6733	0.7452	Ave		0.7151				6.0		20.0			
Pentachloroethane	0.4486 0.5156	0.4301 0.4989	0.4265	0.4206	0.4843	Ave		0.4607				8.4		20.0			
1,2,4-Trimethylbenzene	3.1421 3.5737	3.4230 3.1971	3.6534	3.2778	3.5319	Ave		3.3999				5.8		20.0			
sec-Butylbenzene	3.7993 4.4787	4.2911 3.8599	4.5225	3.9874	4.4675	Ave		4.2009				7.4		20.0			
1,3-Dichlorobenzene	1.5780 1.7719	1.6983 1.6574	1.7754	1.6467	1.7486	Ave		1.6966			0.6000	4.4		20.0			
p-Isopropyltoluene	3.1827 3.8467	3.6401 3.3685	3.8391	3.4478	3.8117	Ave		3.5909				7.3		20.0			
1,4-Dichlorobenzene	1.5998 1.7738	1.7159 1.6675	1.8068	1.6619	1.7582	Ave		1.7120			0.5000	4.3		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

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 4	LVL 5		B	M1	M2								
1,2,3-Trimethylbenzene	3.2194 3.4779	3.5537 3.1675	3.4242	3.4037	3.4843	Ave		3.3901				4.2		20.0			
Benzyl chloride	2.3136 2.5545	2.4174 2.3658	2.4963	2.4146	2.5125	Ave		2.4393				3.5		20.0			
1,3-Diethylbenzene	2.0841 2.2752	2.2357 2.1351	2.2378	2.2169	2.2762	Ave		2.2087				3.3		20.0			
1,4-Diethylbenzene	2.1939 2.3753	2.3467 2.2203	2.3310	2.3135	2.3673	Ave		2.3069				3.1		20.0			
n-Butylbenzene	1.5837 1.9609	1.7902 1.8161	1.8823	1.7125	1.9286	Ave		1.8106				7.2		20.0			
1,2-Dichlorobenzene	1.5588 1.6526	1.6102 1.5489	1.6742	1.5547	1.6447	Ave		1.6063			0.4000	3.3		20.0			
1,2-Diethylbenzene	1.7295 1.8653	1.8451 1.7816	1.8356	1.8359	1.8688	Ave		1.8231				2.8		20.0			
1,2-Dibromo-3-Chloropropane	0.2871 0.2842	0.2654 0.2813	0.2846	0.2674	0.2873	Ave		0.2796			0.0500	3.3		20.0			
1,3,5-Trichlorobenzene	1.0535 1.2098	1.1037 1.1378	1.1731	1.0749	1.1721	Ave		1.1321				5.0		20.0			
1,2,4-Trichlorobenzene	0.9397 1.0633	0.9989 0.9957	1.0382	0.9623	1.0310	Ave		1.0041			0.2000	4.3		20.0			
Hexachlorobutadiene	0.3797 0.4544	0.3924 0.4197	0.4222	0.3660	0.4334	Ave		0.4097				7.7		20.0			
Naphthalene	3.7671 3.7629	3.7108 3.3511	3.8034	3.6547	3.8051	Ave		3.6936				4.3		20.0			
1,2,3-Trichlorobenzene	0.9046 0.9852	0.9262 0.9264	0.9845	0.9142	0.9647	Ave		0.9437				3.6		20.0			
2-Methylnaphthalene	2.1377 2.1445	2.0038 1.9615	2.0432	2.1000	2.1373	Ave		2.0754				3.5		20.0			
Dibromofluoromethane (Surr)	0.2286 0.2330	0.2329 0.2326	0.2322	0.2320	0.2326	Ave		0.2320				0.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0624 0.0630	0.0636 0.0626	0.0623	0.0622	0.0619	Ave		0.0626				0.9		20.0			
Toluene-d8 (Surr)	1.3427 1.3368	1.3472 1.3231	1.3513	1.3459	1.3419	Ave		1.3412				0.7		20.0			
4-Bromofluorobenzene (Surr)	0.5223 0.5218	0.5274 0.5205	0.5284	0.5170	0.5230	Ave		0.5229				0.8		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-63741/9	NN09I07.D
Level 2	IC 410-63741/8	NN09I06.D
Level 3	IC 410-63741/7	NN09I05.D
Level 4	IC 410-63741/6	NN09I04.D
Level 5	ICIS 410-63741/5	NN09I03.D
Level 6	IC 410-63741/4	NN09I02.D
Level 7	IC 410-63741/3	NN09I01.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	5345 697327	30532 2118757	70603	142822	370969	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	9619 879676	36811 2688281	88715	188883	449901	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	7818 898067	36628 2703716	90401	181010	441487	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	11442 772937	34718 2235905	78815	146193	389719	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	5538 611504	24505 1819257	62828	128825	307108	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5127 575604	23027 1702500	58625	120987	285270	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	13893 1314354	56689 3902827	136218	267693	647209	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	9399 1099707	44616 3337618	111991	224822	570986	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	9530 1219338	46192 3510432	121435	188751	631521	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd10	Ave	6061 212584	24017 641127	44245	84508	112702	62.5 2500	250 7499	500	1000	1250
Freon 123a	FB	Ave	7746 822858	33710 2458650	87023	158136	414427	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd10	Ave	23674 2252789	91493 6578692	217866	426469	1174075	10.0 1000	40.0 3000	100	200	500
1,1-Dichloroethene	FB	Ave	5811 660767	26471 1925987	68367	121909	328595	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd10	Ave	1649 185943	8295 554236	19468	35382	101338	2.00 200	8.00 600	20.0	40.0	100

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Freon 113	FB	Ave	4841 676930	26286 1937778	67418	112033	347729	1.00 100	4.00 300	10.0	20.0	50.0
2-Propanol	TBAd10	Ave	12145 262725	39897 823174	58778	118371	141227	20.0 500	80.0 1500	100	200	250
Methyl iodide	FB	Ave	9774 1150642	44133 3341996	114696	217357	570965	1.00 100	4.00 300	10.0	20.0	50.0
Carbon disulfide	FB	Ave	19675 2228076	84671 6481074	224636	411807	1104380	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	9438 669473	28174 2132256	63354	131479	346506	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	9860 1107543	44203 3260963	106087	212399	540299	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	6966 756463	28994 2196436	76828	143280	367014	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd10	Ave	24233 592326	87879 1812268	121600	250833	327666	20.0 500	80.0 1500	100	200	250
Acrylonitrile	FB	Ave	3317 376332	14642 1178954	37948	75405	201007	1.00 100	4.00 300	10.0	20.0	50.0
Methyl tertiary butyl ether	FB	Ave	23112 2367607	92694 6895839	238337	458899	1188377	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	6482 761827	29738 2215555	77021	140602	375805	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	9143 1197920	46378 3459424	117134	168573	614602	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	11836 1369083	51850 3981715	136722	258269	681118	1.00 100	4.00 300	10.0	20.0	50.0
di-Isopropyl ether	FB	Ave	22765 2340781	89747 6756121	235311	444548	1157993	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	10659 1271693	48917 3704165	125421	234188	628631	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl t-butyl ether	FB	Ave	23836 2370205	93115 6834745	237512	459587	1198624	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone	FB	Ave	14382 973600	41184 2965569	95759	190140	513552	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	8347 864593	33045 2507497	89157	162390	423931	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	11060 1257472	48764 3639766	125172	228392	623114	1.00 100	4.00 300	10.0	20.0	50.0
Propionitrile	TBAd10	Ave	28215	122406	137785	290954	397646	20.0	80.0	100	200	250

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			732944	2187453				500	1500			
Methacrylonitrile	FB	Ave	42205 1097640	166252 3222228	209506	420940	552626	10.0 250	40.0 750	50.0	100	125
Bromochloromethane	FB	Ave	3763 402173	15545 1175373	39365	76657	200165	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd10	Ave	4275 294585	13104 861343	28608	59477	156649	2.00 200	8.00 600	20.0	40.0	100
Chloroform	FB	Ave	12742 1330790	52482 3853559	132654	250538	657626	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	11231 1209472	46354 3530871	122493	222651	603928	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	11649 1391028	55144 4017929	138034	223808	719181	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	9445 1123525	42121 3334794	111484	206219	556263	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	8439 1020042	37952 2975883	100430	183281	508083	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd10	Ave	19332 491979	83195 1485119	100713	191720	264829	50.0 1250	200 3750	250	500	625
Benzene	FB	Ave	28911 3247898	124035 9403978	322684	608862	1604912	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	11346 1065167	42986 3151206	104288	192920	524256	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	22896 2360267	93382 6745287	237632	458655	1193969	1.00 100	4.00 300	10.0	20.0	50.0
n-Heptane	FB	Ave	11379 1190197	43065 3475020	103945	157105	605064	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd10	Ave	36747 910535	143674 2686695	185040	373312	491845	100 2500	400 7500	500	1000	1250
Trichloroethene	FB	Ave	7239 824151	31527 2438539	82283	151591	407343	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	12769 1472664	61441 4423086	142308	273619	764575	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	11514 1300994	49089 3820879	126631	242060	646560	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	7091 821902	30960 2433034	79764	152178	405396	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	8577 752777	30511 2214019	74853	144183	372458	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	TBAd10	Ave	3900 103204	15644 299884	20487	38793	53909	50.0 1250	200 3750	250	500	625
Dibromomethane	FB	Ave	4457 483693	18428 1415965	48213	91691	235953	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	9737 1032219	38804 3068297	99102	191905	510760	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd10	Ave	6090 599631	23139 1837011	63702	116854	310637	2.00 200	8.00 600	20.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	5698 613273	24139 1816457	58297	116776	301472	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	12385 1371225	50222 4024078	136011	255157	670414	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	21560 2068498	87637 6131218	214787	410599	1098039	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd5	Ave	19177 2113790	81346 6145738	208381	392080	1040838	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZd5	Ave	11779 1251019	46267 3689647	120524	231360	613900	1.00 100	4.00 300	10.0	20.0	50.0
Ethyl methacrylate	CBZd5	Ave	12325 1272677	50771 3740054	122796	242753	627600	1.00 100	4.00 300	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZd5	Ave	7493 714679	27680 2102172	70487	137287	352540	1.00 100	4.00 300	10.0	20.0	50.0
Tetrachloroethene	CBZd5	Ave	8071 905376	36374 2705153	95948	181735	471505	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichloropropane	CBZd5	Ave	12397 1258652	48269 3718674	122447	240427	630681	1.00 100	4.00 300	10.0	20.0	50.0
2-Hexanone	CBZd5	Ave	17738 1612982	66528 4754129	165319	316229	845218	2.00 200	8.00 600	20.0	40.0	100
Dibromochloromethane	CBZd5	Ave	6716 787485	28306 2347562	75363	144508	386213	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromoethane	CBZd5	Ave	6910 759296	28755 2248187	73760	143236	377197	1.00 100	4.00 300	10.0	20.0	50.0
1-Chlorohexane	CBZd5	Ave	11820 1246687	48558 3653586	123920	217694	624354	1.00 100	4.00 300	10.0	20.0	50.0
Chlorobenzene	CBZd5	Ave	20748 2295547	86714 6616088	226075	427289	1131261	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZd5	Ave	6826 793212	28757 2343339	74894	144701	387165	1.00 100	4.00 300	10.0	20.0	50.0
Ethylbenzene	CBZd5	Ave	36590 4120368	158060 11444102	412354	759905	2042720	1.00 100	4.00 300	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
m&p-Xylene	CBZd5	Ave	28896 3236206	121680 9212200	319514	594080	1601123	2.00 200	8.00 600	20.0	40.0	100
o-Xylene	CBZd5	Ave	13750 1588403	57711 4572699	156007	291808	782175	1.00 100	4.00 300	10.0	20.0	50.0
Styrene	CBZd5	Ave	23540 2677378	98221 7633344	261769	496644	1325305	1.00 100	4.00 300	10.0	20.0	50.0
Bromoform	CBZd5	Ave	4693 556939	19565 1673922	51204	99422	273992	1.00 100	4.00 300	10.0	20.0	50.0
Isopropylbenzene	CBZd5	Ave	37809 4197298	161427 11474637	422971	770944	2097862	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexanone	TBAd10	Ave	17689 398475	65408 1267570	78673	160197	209815	50.0 1250	200 3750	250	500	625
1,1,2,2-Tetrachloroethane	DCBd4	Ave	10789 1114204	45177 3308245	109727	217850	557406	1.00 100	4.00 300	10.0	20.0	50.0
Bromobenzene	DCBd4	Ave	8734 926477	34870 2743497	88955	170158	459851	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	38836 1005374	152352 2996175	187907	379471	500758	10.0 250	40.0 750	50.0	100	125
1,2,3-Trichloropropane	DCBd4	Ave	3558 351198	13703 1055692	35098	66593	175987	1.00 100	4.00 300	10.0	20.0	50.0
N-Propylbenzene	DCBd4	Ave	44179 4947034	187722 13086169	489688	902119	2457313	1.00 100	4.00 300	10.0	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	7509 979466	35846 2872021	96168	176994	481444	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	31803 3615075	134368 10059343	357440	660030	1782902	1.00 100	4.00 300	10.0	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	8971 999988	35360 2955626	96243	183757	487638	1.00 100	4.00 300	10.0	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	6627 784203	28593 2364653	73774	137010	383839	1.00 100	4.00 300	10.0	20.0	50.0
Pentachloroethane	DCBd4	Ave	4632 532168	17259 1601662	42719	85588	249474	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCBd4	Ave	32446 3688505	137358 10264273	365894	666971	1819209	1.00 100	4.00 300	10.0	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	39232 4622616	172191 12391988	452942	811349	2301121	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	16295 1828870	68147 5320928	177811	335061	900691	1.00 100	4.00 300	10.0	20.0	50.0
p-Isopropyltoluene	DCBd4	Ave	32865 3970260	146070 10814283	384495	701546	1963364	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	16520	68854	180960	338163	905641	1.00	4.00	10.0	20.0	50.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 63741

SDG No.:

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2020 13:40 Calibration End Date: 11/09/2020 15:52 Calibration ID: 15009

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1830777	5353556				100	300			
1,2,3-Trimethylbenzene	DCBd4	Ave	33244 3589607	142603 10169157	342941	692571	1794693	1.00 100	4.00 300	10.0	20.0	50.0
Benzyl chloride	DCBd4	Ave	23891 2636587	97006 7595321	250009	491316	1294137	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Diethylbenzene	DCBd4	Ave	21521 2348313	89713 6854507	224122	451100	1172429	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Diethylbenzene	DCBd4	Ave	22655 2451599	94166 7128265	233455	470758	1219363	1.00 100	4.00 300	10.0	20.0	50.0
n-Butylbenzene	DCBd4	Ave	16354 2023936	71835 5830500	188517	348463	993393	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	16096 1705638	64614 4972763	167678	316339	847165	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd4	Ave	17859 1925173	74040 5719798	183838	373573	962562	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	2965 293281	10651 902979	28500	54408	147964	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd4	Ave	10879 1248691	44290 3652752	117489	218726	603753	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	9703 1097505	40083 3196552	103974	195798	531034	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	3921 468994	15747 1347416	42286	74472	223255	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd4	Ave	38900 3883751	148904 10758411	380921	743654	1959958	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	9341 1016806	37167 2974166	98605	186011	496890	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd4	Ave	22074 2213417	80406 6297206	204632	427297	1100888	1.00 100	4.00 300	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	299508 301198	300624 305977	298018	298043	303537	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	81793 81417	82034 82397	80018	79859	80763	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd5	Ave	1326021 1308103	1295641 1334413	1294796	1302948	1325225	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	515822 510628	507273 524971	506323	500537	516560	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:
Ave = Average ISTD

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I01.D
Lims ID: IC STD300
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 09-Nov-2020 13:40:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC VSTD300
Misc. Info.: 410-0015005-003
Operator ID: DVV10203 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub5

Method: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 09-Nov-2020 17:27:55 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: greenl Date: 09-Nov-2020 16:38:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.020	2.020	0.000	100	2118757	300.0	300.6	
6 Chloromethane	50	2.227	2.232	-0.005	99	2688281	300.0	290.5	
8 Vinyl chloride	62	2.348	2.354	-0.006	98	2703716	300.0	301.5	
9 Butadiene	39	2.354	2.354	0.000	90	2235905	300.0	265.0	
10 Bromomethane	94	2.689	2.695	-0.006	91	1819257	300.0	294.0	
11 Chloroethane	64	2.780	2.786	-0.006	100	1702500	300.0	294.2	
12 Dichlorofluoromethane	67	3.030	3.035	-0.005	98	3902827	300.0	286.1	
13 Trichlorofluoromethane	101	3.103	3.108	-0.005	97	3337618	300.0	301.0	
15 Pentane	43	3.151	3.151	0.000	97	3510432	300.0	306.1	
16 Ethanol	45	3.212	3.224	-0.012	95	641127	7499.5	7287.4	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.449	3.449	0.000	93	2458650	300.0	295.2	
18 Acrolein	56	3.541	3.547	-0.005	99	6578692	3000.1	2972.6	
20 1,1-Dichloroethene	96	3.693	3.693	0.001	98	1925987	300.0	295.7	
21 Acetone	58	3.717	3.723	-0.006	100	554236	600.0	599.7	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.723	3.729	-0.006	95	1937778	300.0	304.4	
23 Isopropyl alcohol	45	3.875	3.845	0.030	99	823174	1500.0	1492.6	
24 Iodomethane	142	3.900	3.899	0.001	98	3341996	300.0	298.8	
25 Carbon disulfide	76	4.015	4.015	0.000	99	6481074	300.0	298.5	
26 Methyl acetate	43	4.155	4.155	0.000	97	2132256	300.0	293.9	
27 3-Chloro-1-propene	41	4.186	4.197	-0.011	91	3260963	300.0	300.6	
* 29 t-Butyl alcohol-d10 (IS)	65	4.386	4.386	0.000	0	301247	250.0	250.0	
28 Methylene Chloride	84	4.386	4.392	-0.006	91	2196436	300.0	295.6	
31 2-Methyl-2-propanol	59	4.508	4.508	0.000	100	1812268	1500.0	1520.8	
32 Acrylonitrile	53	4.721	4.727	-0.006	98	1178954	300.0	310.0	
33 Methyl tert-butyl ether	73	4.794	4.800	-0.006	95	6895839	300.0	291.2	
34 trans-1,2-Dichloroethene	96	4.812	4.818	-0.006	99	2215555	300.0	298.9	
36 Hexane	57	5.238	5.238	0.000	91	3459424	300.0	311.5	
37 1,1-Dichloroethane	63	5.469	5.475	-0.006	96	3981715	300.0	298.8	
39 Isopropyl ether	45	5.524	5.530	-0.006	93	6756121	300.0	291.4	
40 2-Chloro-1,3-butadiene	53	5.585	5.584	0.001	91	3704165	300.0	301.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.065	6.065	0.000	97	6834745	300.0	287.2	
S 42 1,2-Dichloroethene, Total	100				0			591.6	
43 2-Butanone (MEK)	43	6.266	6.260	0.006	99	2965569	600.0	556.3	
44 cis-1,2-Dichloroethene	96	6.309	6.314	-0.005	82	2507497	300.0	292.8	
45 2,2-Dichloropropane	77	6.327	6.327	0.000	87	3639766	300.0	297.8	
46 Propionitrile	54	6.357	6.345	0.012	99	2187453	1500.0	1514.8	
47 Methacrylonitrile	67	6.576	6.570	0.006	90	3222228	750.0	744.4	
48 Chlorobromomethane	128	6.643	6.643	0.000	96	1175373	300.0	296.6	
49 Tetrahydrofuran	71	6.649	6.649	0.000	83	861343	600.0	549.5	
50 Chloroform	83	6.789	6.795	-0.006	93	3853559	300.0	292.5	
$ 51 Dibromofluoromethane (Surr)	113	7.008	7.008	0.000	93	305977	50.0	50.1	
52 1,1,1-Trichloroethane	97	7.026	7.026	0.000	99	3530871	300.0	296.7	
54 Cyclohexane	56	7.130	7.130	0.000	89	4017929	300.0	301.1	
56 1,1-Dichloropropene	75	7.239	7.239	0.000	95	3334794	300.0	307.3	
55 Carbon tetrachloride	117	7.239	7.239	0.000	80	2975883	300.0	304.7	
58 Isobutyl alcohol	41	7.361	7.361	0.000	94	1485119	3750.0	3774.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.471	7.470	0.001	96	82397	50.0	50.1	
60 Benzene	78	7.507	7.507	0.000	97	9403978	300.0	297.0	
61 1,2-Dichloroethane	62	7.574	7.574	0.000	98	3151206	300.0	294.8	
62 Tert-amyl methyl ether	73	7.690	7.689	0.001	98	6745287	300.0	285.8	
* 64 Fluorobenzene (IS)	96	7.909	7.908	0.001	99	1315464	50.0	50.0	
65 n-Heptane	43	7.915	7.914	0.001	90	3475020	300.0	316.0	
66 n-Butanol	56	8.243	8.243	0.000	87	2686695	7500.0	7398.1	
67 Trichloroethene	95	8.389	8.389	0.000	99	2438539	300.0	303.6	
68 Methylcyclohexane	83	8.706	8.705	0.001	94	4423086	300.0	302.9	
70 1,2-Dichloropropane	63	8.730	8.724	0.006	85	2433034	300.0	306.2	
69 2-ethoxy-2-methyl butane	87	8.730	8.724	0.006	92	3820879	300.0	302.4	
71 Methyl methacrylate	69	8.797	8.797	0.000	90	2214019	300.0	287.1	
72 1,4-Dioxane	88	8.809	8.803	0.006	58	299884	3750.0	3781.1	M
74 Dibromomethane	93	8.839	8.839	0.000	97	1415965	300.0	298.5	
75 Dichlorobromomethane	83	9.071	9.070	0.001	100	3068297	300.0	303.9	
77 2-Nitropropane	41	9.332	9.326	0.006	97	1837011	600.0	616.3	
78 2-Chloroethyl vinyl ether	63	9.423	9.423	0.000	92	1816457	300.0	301.3	
79 cis-1,3-Dichloropropene	75	9.606	9.606	0.000	96	4024078	300.0	302.5	
80 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.000	95	6131218	600.0	569.8	
$ 81 Toluene-d8 (Surr)	98	9.910	9.910	0.000	93	1334413	50.0	49.3	
82 Toluene	92	9.983	9.983	0.000	98	6145738	300.0	293.1	
S 83 1,3-Dichloropropene, Total	100				0			600.6	
84 trans-1,3-Dichloropropene	75	10.232	10.232	0.000	92	3689647	300.0	298.1	
85 Ethyl methacrylate	69	10.287	10.287	0.000	89	3740054	300.0	291.3	
86 1,1,2-Trichloroethane	97	10.439	10.433	0.006	91	2102172	300.0	288.2	
87 Tetrachloroethene	166	10.531	10.524	0.007	95	2705153	300.0	289.9	
88 1,3-Dichloropropane	76	10.597	10.597	0.000	90	3718674	300.0	292.6	
89 2-Hexanone	43	10.640	10.640	0.000	95	4754129	600.0	558.5	
90 Chlorodibromomethane	129	10.810	10.810	0.000	90	2347562	300.0	306.8	
91 Ethylene Dibromide	107	10.926	10.926	0.000	98	2248187	300.0	297.8	
S 92 Xylenes, Total	106				0			874.3	
* 93 Chlorobenzene-d5 (IS)	117	11.352	11.352	0.000	87	1008582	50.0	50.0	
94 1-Chlorohexane	91	11.352	11.352	0.000	98	3653586	300.0	294.1	
95 Chlorobenzene	112	11.376	11.376	0.000	93	6616088	300.0	291.6	
96 1,1,1,2-Tetrachloroethane	131	11.455	11.455	0.000	97	2343339	300.0	304.8	
97 Ethylbenzene	91	11.461	11.461	0.000	98	11444102	300.0	281.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.577	11.571	0.006	96	9212200	600.0	579.0	
99 o-Xylene	106	11.905	11.905	0.000	96	4572699	300.0	295.3	
100 Styrene	104	11.918	11.917	0.001	94	7633344	300.0	291.5	
101 Bromoform	173	12.076	12.076	0.000	96	1673922	300.0	313.2	
102 Isopropylbenzene	105	12.204	12.203	0.001	96	11474637	300.0	277.0	
103 Cyclohexanone	55	12.277	12.276	0.001	92	1267570	3749.8	3909.3	
$ 104 4-Bromofluorobenzene (Surr)	95	12.350	12.349	0.001	86	524971	50.0	49.8	
105 1,1,2,2-Tetrachloroethane	83	12.447	12.441	0.006	94	3308245	300.0	287.4	
106 Bromobenzene	156	12.465	12.465	0.000	98	2743497	300.0	295.0	
107 trans-1,4-Dichloro-2-butene	53	12.471	12.465	0.006	90	2996175	750.0	737.9	
108 1,2,3-Trichloropropane	110	12.496	12.489	0.007	83	1055692	300.0	290.8	
109 N-Propylbenzene	91	12.532	12.532	0.000	97	13086169	300.0	268.2	e
110 2-Chlorotoluene	126	12.611	12.611	0.000	96	2872021	300.0	301.6	
111 1,3,5-Trimethylbenzene	105	12.666	12.666	0.000	95	10059343	300.0	281.9	
112 4-Chlorotoluene	126	12.702	12.702	0.000	97	2955626	300.0	299.7	
113 tert-Butylbenzene	134	12.909	12.909	0.000	92	2364653	300.0	309.0	
114 Pentachloroethane	167	12.946	12.945	0.001	87	1601662	300.0	324.9	
115 1,2,4-Trimethylbenzene	105	12.952	12.952	0.000	97	10264273	300.0	282.1	
116 sec-Butylbenzene	105	13.073	13.073	0.000	95	12391988	300.0	275.6	
117 1,3-Dichlorobenzene	146	13.177	13.171	0.006	96	5320928	300.0	293.1	
118 4-Isopropyltoluene	119	13.177	13.177	0.000	95	10814283	300.0	281.4	
* 119 1,4-Dichlorobenzene-d4	152	13.232	13.231	0.001	86	535075	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.250	13.250	0.000	92	5353556	300.0	292.2	
121 1,2,3-Trimethylbenzene	105	13.256	13.256	0.000	97	10169157	300.0	280.3	
122 Benzyl chloride	91	13.323	13.323	0.000	99	7595321	300.0	291.0	
123 1,3-Diethylbenzene	119	13.378	13.377	0.001	94	6854507	300.0	290.0	
124 p-Diethylbenzene	119	13.451	13.450	0.001	92	7128265	300.0	288.7	
125 n-Butylbenzene	92	13.469	13.469	0.000	96	5830500	300.0	300.9	
126 1,2-Dichlorobenzene	146	13.505	13.505	0.000	96	4972763	300.0	289.3	
127 o-diethylbenzene	119	13.524	13.523	0.001	96	5719798	300.0	293.2	
129 1,2-Dibromo-3-Chloropropane	75	14.047	14.047	0.000	85	902979	300.0	301.8	
130 1,3,5-Trichlorobenzene	180	14.181	14.174	0.007	97	3652752	300.0	301.5	
131 1,2,4-Trichlorobenzene	180	14.600	14.600	0.000	95	3196552	300.0	297.5	
132 Hexachlorobutadiene	225	14.686	14.685	0.001	98	1347416	300.0	307.3	
133 Naphthalene	128	14.789	14.789	0.000	98	10758411	300.0	272.2	
134 1,2,3-Trichlorobenzene	180	14.935	14.935	0.000	95	2974166	300.0	294.5	
135 2-Methylnaphthalene	142	15.586	15.586	0.000	92	6297206	300.0	283.5	
S 144 Total Diethylbenzene	1				0			871.9	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

MSV_VCYC_00005	Amount Added:	30.00	Units: uL	
MSV_V_ETOH_00008	Amount Added:	30.00	Units: uL	
MSV_V_2CEVE_00120	Amount Added:	15.00	Units: uL	
MSV_V_VOA3_00054	Amount Added:	6.00	Units: uL	
MSV_V_VOA6_00060	Amount Added:	15.00	Units: uL	
MSV_DCFM_00054	Amount Added:	7.50	Units: uL	
MSV_V_VOA1_00108	Amount Added:	15.00	Units: uL	
MSV_V_Gas_00172	Amount Added:	7.50	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 09-Nov-2020 17:27:57 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I01.D

Injection Date: 09-Nov-2020 13:40:30 Instrument ID: 7159 Operator ID: DVV10203

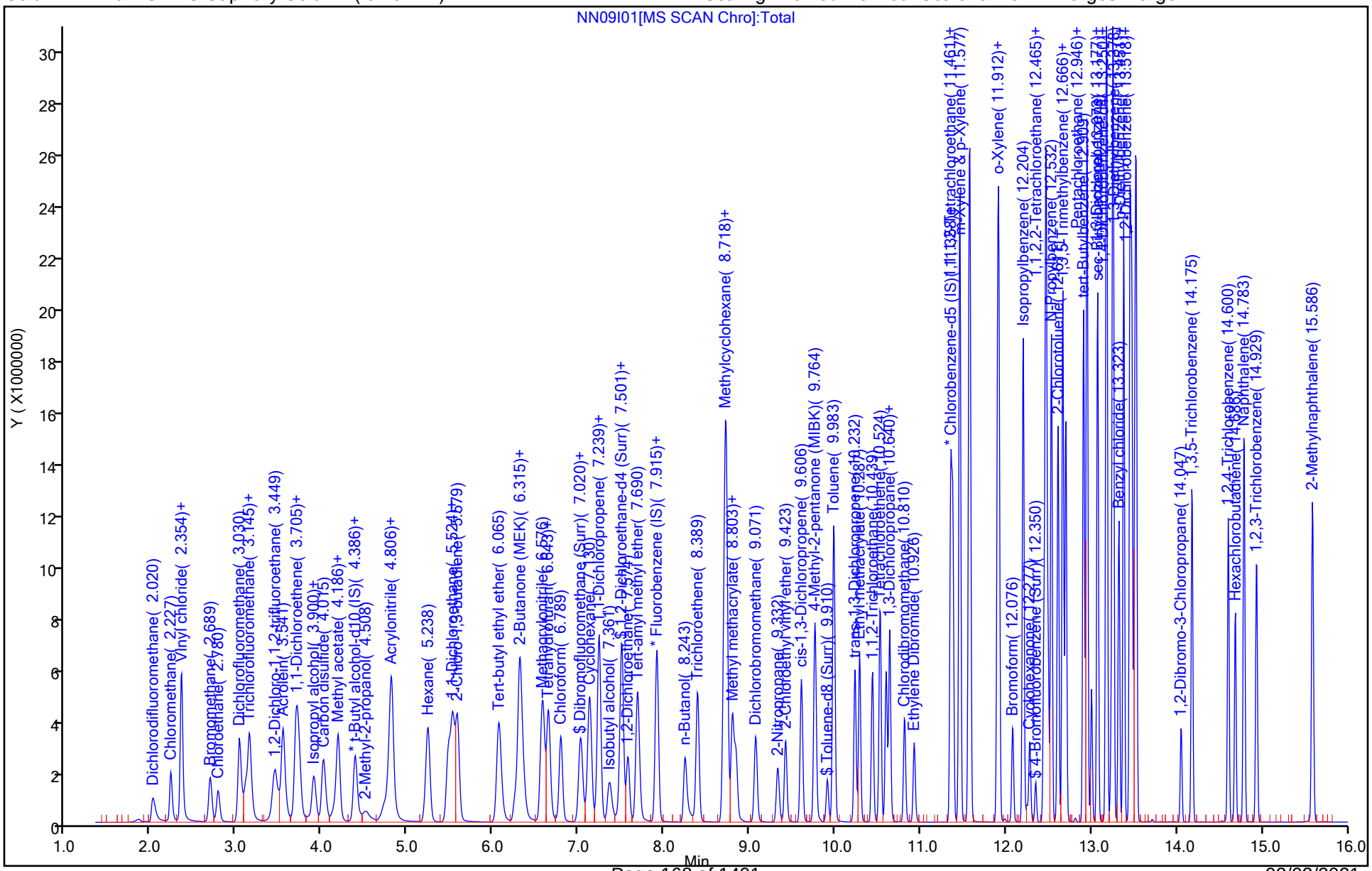
Lims ID: IC STD300 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

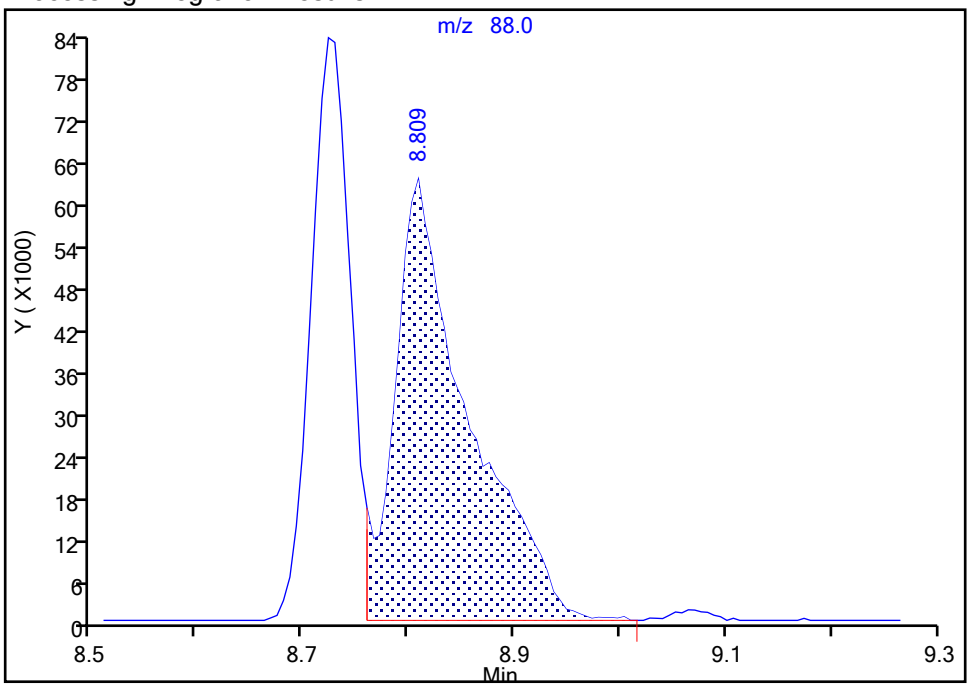
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Injection Date: 09-Nov-2020 13:40:30 Instrument ID: 7159
Lims ID: IC STD300
Client ID:
Operator ID: DVV10203 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

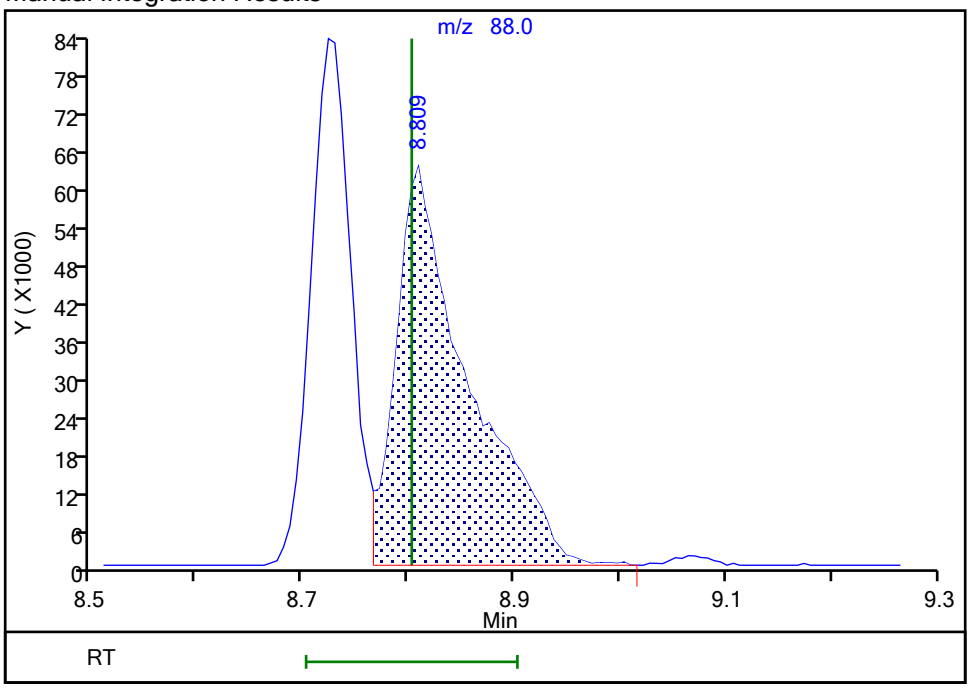
Processing Integration Results

RT: 8.81
Area: 305742
Amount: 3796.5908
Amount Units: ug/l



Manual Integration Results

RT: 8.81
Area: 299884
Amount: 3781.0534
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:38:16
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I02.D
Lims ID: IC STD100
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 09-Nov-2020 14:02:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC VSTD100
Misc. Info.: 410-0015005-004
Operator ID: DVV10203 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub5

Method: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 09-Nov-2020 17:28:11 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: greenl Date: 09-Nov-2020 16:41:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.021	2.020	0.001	99	697327	100.0	100.7	
6 Chloromethane	50	2.228	2.232	-0.004	99	879676	100.0	96.7	
8 Vinyl chloride	62	2.355	2.354	0.001	98	898067	100.0	101.9	
9 Butadiene	39	2.355	2.354	0.001	89	772937	100.0	93.2	
10 Bromomethane	94	2.690	2.695	-0.005	90	611504	100.0	100.6	
11 Chloroethane	64	2.787	2.786	0.001	100	575604	100.0	101.2	
12 Dichlorofluoromethane	67	3.031	3.035	-0.004	98	1314354	100.0	98.0	
13 Trichlorofluoromethane	101	3.110	3.108	0.002	98	1099707	100.0	100.9	
15 Pentane	43	3.152	3.151	0.001	96	1219338	100.0	108.2	
16 Ethanol	45	3.225	3.224	0.001	88	212584	2499.8	2528.5	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.450	3.449	0.001	93	822858	100.0	100.5	
18 Acrolein	56	3.548	3.547	0.002	99	2252789	1000.0	1065.2	
20 1,1-Dichloroethene	96	3.694	3.693	0.002	98	660767	100.0	103.2	
21 Acetone	58	3.718	3.723	-0.005	64	185943	200.0	210.5	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.724	3.729	-0.005	94	676930	100.0	108.2	
23 Isopropyl alcohol	45	3.882	3.845	0.037	97	262725	500.0	498.5	
24 Iodomethane	142	3.901	3.899	0.002	98	1150642	100.0	104.7	
25 Carbon disulfide	76	4.016	4.015	0.001	99	2228076	100.0	104.4	
26 Methyl acetate	43	4.156	4.155	0.001	97	669473	100.0	93.9	
27 3-Chloro-1-propene	41	4.193	4.197	-0.004	92	1107543	100.0	103.9	
* 29 t-Butyl alcohol-d10 (IS)	65	4.381	4.386	-0.005	0	287881	250.0	250.0	
28 Methylene Chloride	84	4.387	4.392	-0.005	91	756463	100.0	103.6	
31 2-Methyl-2-propanol	59	4.509	4.508	0.001	99	592326	500.0	520.1	
32 Acrylonitrile	53	4.728	4.727	0.001	100	376332	100.0	100.7	
33 Methyl tert-butyl ether	73	4.795	4.800	-0.005	95	2367607	100.0	101.7	
34 trans-1,2-Dichloroethene	96	4.813	4.818	-0.005	99	761827	100.0	104.6	
36 Hexane	57	5.239	5.238	0.001	91	1197920	100.0	109.8	
37 1,1-Dichloroethane	63	5.476	5.475	0.001	97	1369083	100.0	104.6	
39 Isopropyl ether	45	5.525	5.530	-0.005	93	2340781	100.0	102.7	
40 2-Chloro-1,3-butadiene	53	5.586	5.584	0.002	91	1271693	100.0	105.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.066	6.065	0.001	97	2370205	100.0	101.3	
S 42 1,2-Dichloroethene, Total	100				0			207.3	
43 2-Butanone (MEK)	43	6.261	6.260	0.001	99	973600	200.0	185.9	
44 cis-1,2-Dichloroethene	96	6.310	6.314	-0.004	82	864593	100.0	102.7	
45 2,2-Dichloropropane	77	6.322	6.327	-0.005	87	1257472	100.0	104.7	
46 Propionitrile	54	6.346	6.345	0.001	98	732944	500.0	531.1	
47 Methacrylonitrile	67	6.571	6.570	0.001	91	1097640	250.0	258.1	
48 Chlorobromomethane	128	6.644	6.643	0.001	96	402173	100.0	103.3	
49 Tetrahydrofuran	71	6.644	6.649	-0.005	82	294585	200.0	196.7	
50 Chloroform	83	6.790	6.795	-0.005	94	1330790	100.0	102.8	
$ 51 Dibromofluoromethane (Surr)	113	7.009	7.008	0.001	93	301198	50.0	50.2	
52 1,1,1-Trichloroethane	97	7.028	7.026	0.002	99	1209472	100.0	103.4	
54 Cyclohexane	56	7.125	7.130	-0.005	90	1391028	100.0	106.1	
56 1,1-Dichloropropene	75	7.240	7.239	0.001	95	1123525	100.0	105.4	
55 Carbon tetrachloride	117	7.240	7.239	0.001	85	1020042	100.0	106.3	
58 Isobutyl alcohol	41	7.356	7.361	-0.005	95	491979	1250.0	1308.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.466	7.470	-0.004	97	81417	50.0	50.3	
60 Benzene	78	7.502	7.507	-0.005	96	3247898	100.0	104.4	
61 1,2-Dichloroethane	62	7.575	7.574	0.001	98	1065167	100.0	101.4	
62 Tert-amyl methyl ether	73	7.691	7.689	0.002	98	2360267	100.0	101.8	
* 64 Fluorobenzene (IS)	96	7.910	7.908	0.002	99	1292662	50.0	50.0	
65 n-Heptane	43	7.916	7.914	0.002	90	1190197	100.0	110.1	
66 n-Butanol	56	8.244	8.243	0.001	88	910535	2500.0	2623.7	
67 Trichloroethene	95	8.390	8.389	0.001	99	824151	100.0	104.4	
68 Methylcyclohexane	83	8.707	8.705	0.002	94	1472664	100.0	102.6	
70 1,2-Dichloropropane	63	8.725	8.724	0.001	69	821902	100.0	105.3	
69 2-ethoxy-2-methyl butane	87	8.725	8.724	0.001	95	1300994	100.0	104.8	
71 Methyl methacrylate	69	8.798	8.797	0.001	88	752777	100.0	99.3	
72 1,4-Dioxane	88	8.810	8.803	0.007	32	103204	1250.0	1361.7	M
74 Dibromomethane	93	8.840	8.839	0.001	96	483693	100.0	103.8	
75 Dichlorobromomethane	83	9.072	9.070	0.002	100	1032219	100.0	104.0	
77 2-Nitropropane	41	9.327	9.326	0.001	97	599631	200.0	210.5	
78 2-Chloroethyl vinyl ether	63	9.418	9.423	-0.005	92	613273	100.0	103.5	
79 cis-1,3-Dichloropropene	75	9.607	9.606	0.001	96	1371225	100.0	104.9	
80 4-Methyl-2-pentanone (MIBK)	43	9.765	9.764	0.001	95	2068498	200.0	195.6	
$ 81 Toluene-d8 (Surr)	98	9.911	9.910	0.001	93	1308103	50.0	49.8	
82 Toluene	92	9.984	9.983	0.001	98	2113790	100.0	103.9	
S 83 1,3-Dichloropropene, Total	100				0			209.1	
84 trans-1,3-Dichloropropene	75	10.234	10.232	0.002	92	1251019	100.0	104.2	
85 Ethyl methacrylate	69	10.288	10.287	0.001	89	1272677	100.0	102.2	
86 1,1,2-Trichloroethane	97	10.434	10.433	0.001	90	714679	100.0	101.0	
87 Tetrachloroethene	166	10.526	10.524	0.002	96	905376	100.0	100.0	
88 1,3-Dichloropropane	76	10.599	10.597	0.002	90	1258652	100.0	102.1	
89 2-Hexanone	43	10.635	10.640	-0.005	95	1612982	200.0	195.3	
90 Chlorodibromomethane	129	10.811	10.810	0.001	90	787485	100.0	106.1	
91 Ethylene Dibromide	107	10.927	10.926	0.001	98	759296	100.0	103.7	
S 92 Xylenes, Total	106				0			315.4	
* 93 Chlorobenzene-d5 (IS)	117	11.347	11.352	-0.005	86	978556	50.0	50.0	
94 1-Chlorohexane	91	11.353	11.352	0.001	98	1246687	100.0	103.4	
95 Chlorobenzene	112	11.377	11.376	0.001	94	2295547	100.0	104.3	
96 1,1,1,2-Tetrachloroethane	131	11.456	11.455	0.001	97	793212	100.0	106.3	
97 Ethylbenzene	91	11.462	11.461	0.001	98	4120368	100.0	104.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.572	11.571	0.001	99	3236206	200.0	209.6	
99 o-Xylene	106	11.900	11.905	-0.005	96	1588403	100.0	105.7	
100 Styrene	104	11.919	11.917	0.002	94	2677378	100.0	105.4	
101 Bromoform	173	12.077	12.076	0.001	96	556939	100.0	107.4	
102 Isopropylbenzene	105	12.199	12.203	-0.005	96	4197298	100.0	104.4	
103 Cyclohexanone	55	12.278	12.276	0.002	91	398475	1249.9	1286.0	
$ 104 4-Bromofluorobenzene (Surr)	95	12.345	12.349	-0.005	85	510628	50.0	49.9	
105 1,1,2,2-Tetrachloroethane	83	12.442	12.441	0.001	96	1114204	100.0	100.4	
106 Bromobenzene	156	12.466	12.465	0.001	95	926477	100.0	103.3	
107 trans-1,4-Dichloro-2-butene	53	12.466	12.465	0.001	90	1005374	250.0	256.7	
108 1,2,3-Trichloropropane	110	12.491	12.489	0.001	83	351198	100.0	100.3	
109 N-Propylbenzene	91	12.527	12.532	-0.005	98	4947034	100.0	105.1	
110 2-Chlorotoluene	126	12.606	12.611	-0.005	96	979466	100.0	106.6	
111 1,3,5-Trimethylbenzene	105	12.661	12.666	-0.005	94	3615075	100.0	105.1	
112 4-Chlorotoluene	126	12.697	12.702	-0.005	98	999988	100.0	105.1	
113 tert-Butylbenzene	134	12.910	12.909	0.001	93	784203	100.0	106.2	
114 Pentachloroethane	167	12.941	12.945	-0.004	89	532168	100.0	111.9	
115 1,2,4-Trimethylbenzene	105	12.947	12.952	-0.005	97	3688505	100.0	105.1	
116 sec-Butylbenzene	105	13.068	13.073	-0.005	95	4622616	100.0	106.6	
117 1,3-Dichlorobenzene	146	13.172	13.171	0.001	97	1828870	100.0	104.4	
118 4-Isopropyltoluene	119	13.178	13.177	0.001	96	3970260	100.0	107.1	
* 119 1,4-Dichlorobenzene-d4	152	13.227	13.231	-0.004	96	516062	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.245	13.250	-0.005	93	1830777	100.0	103.6	
121 1,2,3-Trimethylbenzene	105	13.257	13.256	0.001	98	3589607	100.0	102.6	
122 Benzyl chloride	91	13.318	13.323	-0.005	99	2636587	100.0	104.7	
123 1,3-Diethylbenzene	119	13.379	13.377	0.002	95	2348313	100.0	103.0	
124 p-Diethylbenzene	119	13.452	13.450	0.002	93	2451599	100.0	103.0	
125 n-Butylbenzene	92	13.470	13.469	0.001	97	2023936	100.0	108.3	
126 1,2-Dichlorobenzene	146	13.506	13.505	0.001	97	1705638	100.0	102.9	
127 o-diethylbenzene	119	13.525	13.523	0.002	96	1925173	100.0	102.3	
129 1,2-Dibromo-3-Chloropropane	75	14.048	14.047	0.001	84	293281	100.0	101.6	
130 1,3,5-Trichlorobenzene	180	14.176	14.174	0.002	97	1248691	100.0	106.9	
131 1,2,4-Trichlorobenzene	180	14.601	14.600	0.001	94	1097505	100.0	105.9	
132 Hexachlorobutadiene	225	14.687	14.685	0.002	98	468994	100.0	110.9	
133 Naphthalene	128	14.784	14.789	-0.005	97	3883751	100.0	101.9	
134 1,2,3-Trichlorobenzene	180	14.930	14.935	-0.005	95	1016806	100.0	104.4	
135 2-Methylnaphthalene	142	15.587	15.586	0.001	92	2213417	100.0	103.3	
S 144 Total Diethylbenzene	1				0			308.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_VCYC_00005	Amount Added:	10.00	Units: uL	
MSV_V_2CEVE_00120	Amount Added:	5.00	Units: uL	
MSV_V_VOA3_00054	Amount Added:	2.00	Units: uL	
MSV_V_VOA6_00060	Amount Added:	5.00	Units: uL	
MSV_V_ETOH_00008	Amount Added:	10.00	Units: uL	
MSV_DCFM_00054	Amount Added:	2.50	Units: uL	
MSV_V_VOA1_00108	Amount Added:	5.00	Units: uL	
MSV_V_Gas_00172	Amount Added:	2.50	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 09-Nov-2020 17:28:13 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I02.D

Injection Date: 09-Nov-2020 14:02:30 Instrument ID: 7159 Operator ID: DVV10203

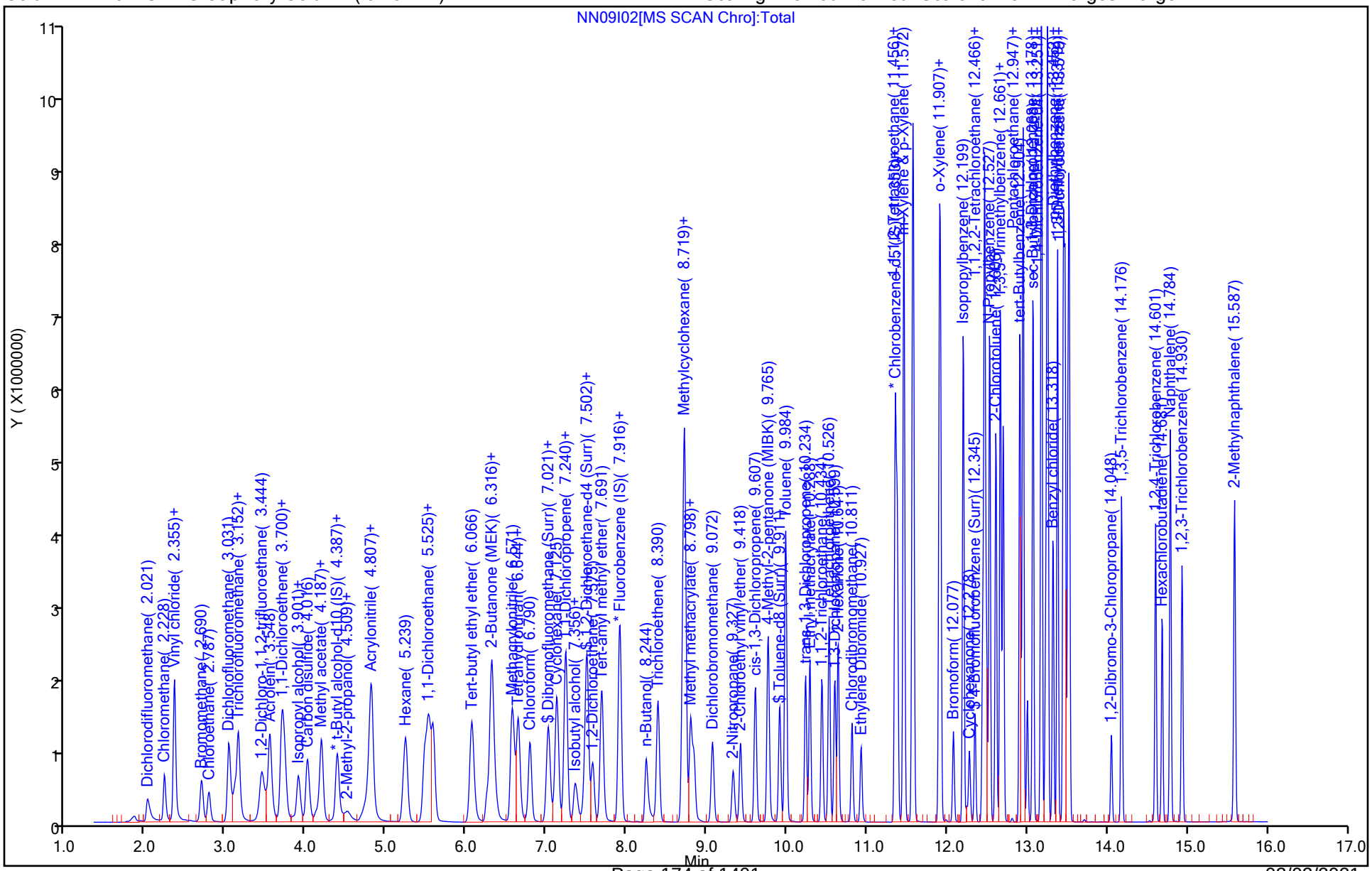
Lims ID: IC STD100 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

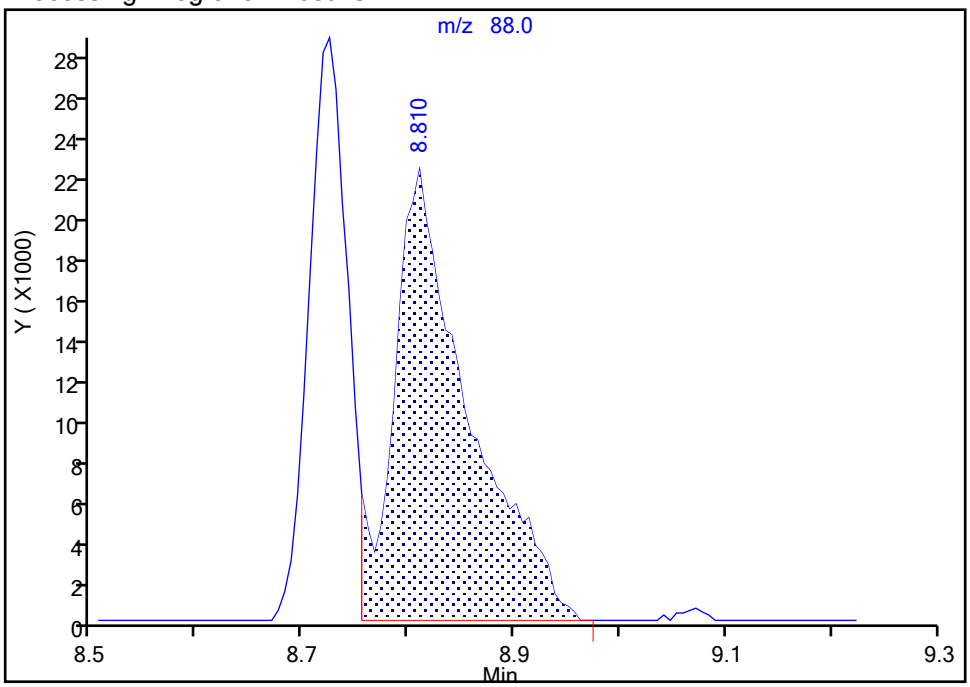
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Injection Date: 09-Nov-2020 14:02:30 Instrument ID: 7159
Lims ID: IC STD100
Client ID:
Operator ID: DVV10203 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

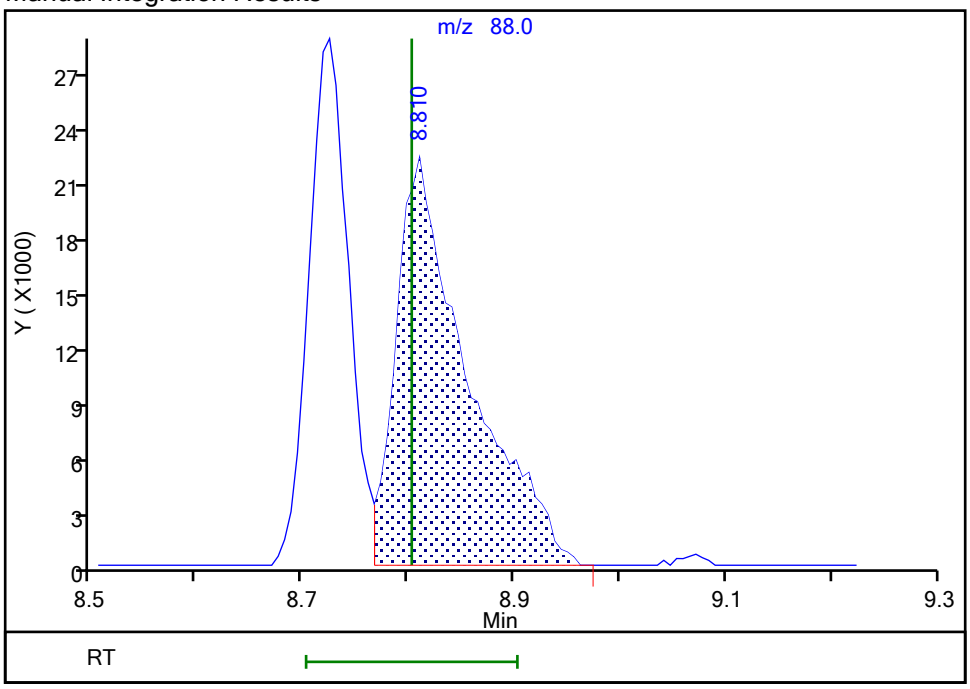
Processing Integration Results

RT: 8.81
Area: 107028
Amount: 1395.2505
Amount Units: ug/l



Manual Integration Results

RT: 8.81
Area: 103204
Amount: 1361.6509
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:40:50
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I03.D
Lims ID: ICIS STD50
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 09-Nov-2020 14:24:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS VSTD050
Misc. Info.: 410-0015005-005
Operator ID: DVV10203 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub5

Method: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 09-Nov-2020 17:28:29 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: greenl Date: 09-Nov-2020 16:34:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.020	2.020	0.000	100	370969	50.0	53.1	
6 Chloromethane	50	2.232	2.232	0.000	99	449901	50.0	49.0	
8 Vinyl chloride	62	2.354	2.354	0.000	84	441487	50.0	49.6	
9 Butadiene	39	2.354	2.354	0.000	89	389719	50.0	46.6	
10 Bromomethane	94	2.695	2.695	0.000	91	307108	50.0	50.0	
11 Chloroethane	64	2.786	2.786	0.000	100	285270	50.0	49.7	
12 Dichlorofluoromethane	67	3.035	3.035	0.000	97	647209	50.0	47.8	
13 Trichlorofluoromethane	101	3.108	3.108	0.000	97	570986	50.0	51.9	
15 Pentane	43	3.151	3.151	0.000	96	631521	50.0	55.5	
16 Ethanol	45	3.224	3.224	0.000	28	112702	1249.9	1186.7	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.449	3.449	0.000	93	414427	50.0	50.2	
18 Acrolein	56	3.547	3.547	0.000	99	1174075	500.0	491.4	
20 1,1-Dichloroethene	96	3.693	3.693	0.000	98	328595	50.0	50.9	
21 Acetone	58	3.723	3.723	0.000	87	101338	100.0	101.6	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.729	3.729	0.000	95	347729	50.0	55.1	
23 Isopropyl alcohol	45	3.845	3.845	0.000	98	141227	250.0	237.2	
24 Iodomethane	142	3.899	3.899	0.000	97	570965	50.0	51.5	
25 Carbon disulfide	76	4.015	4.015	0.000	99	1104380	50.0	51.3	
26 Methyl acetate	43	4.155	4.155	0.000	97	346506	50.0	48.2	
27 3-Chloro-1-propene	41	4.197	4.197	0.000	91	540299	50.0	50.2	
* 29 t-Butyl alcohol-d10 (IS)	65	4.386	4.386	0.000	0	325187	250.0	250.0	
28 Methylene Chloride	84	4.392	4.392	0.000	91	367014	50.0	49.8	
31 2-Methyl-2-propanol	59	4.508	4.508	0.000	100	327666	250.0	254.7	
32 Acrylonitrile	53	4.727	4.727	0.000	99	201007	50.0	53.3	
33 Methyl tert-butyl ether	73	4.800	4.800	0.000	95	1188377	50.0	50.6	
34 trans-1,2-Dichloroethene	96	4.818	4.818	0.000	99	375805	50.0	51.1	
36 Hexane	57	5.238	5.238	0.000	91	614602	50.0	55.8	
37 1,1-Dichloroethane	63	5.475	5.475	0.000	96	681118	50.0	51.5	
39 Isopropyl ether	45	5.530	5.530	0.000	93	1157993	50.0	50.4	
40 2-Chloro-1,3-butadiene	53	5.584	5.584	0.000	91	628631	50.0	51.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.065	6.065	0.000	97	1198624	50.0	50.8	
43 2-Butanone (MEK)	43	6.260	6.260	0.000	99	513552	100.0	97.1	
44 cis-1,2-Dichloroethene	96	6.314	6.314	0.000	83	423931	50.0	49.9	
45 2,2-Dichloropropane	77	6.327	6.327	0.000	88	623114	50.0	51.4	
46 Propionitrile	54	6.345	6.345	0.000	98	397646	250.0	255.1	
47 Methacrylonitrile	67	6.570	6.570	0.000	91	552626	125.0	128.7	
48 Chlorobromomethane	128	6.643	6.643	0.000	95	200165	50.0	50.9	
49 Tetrahydrofuran	71	6.649	6.649	0.000	82	156649	100.0	92.6	
50 Chloroform	83	6.795	6.795	0.000	93	657626	50.0	50.3	
$ 51 Dibromofluoromethane (Surr)	113	7.008	7.008	0.000	92	303537	50.0	50.1	
52 1,1,1-Trichloroethane	97	7.026	7.026	0.000	98	603928	50.0	51.2	
54 Cyclohexane	56	7.130	7.130	0.000	89	719181	50.0	54.3	
56 1,1-Dichloropropene	75	7.239	7.239	0.000	95	556263	50.0	51.7	
55 Carbon tetrachloride	117	7.239	7.239	0.000	86	508083	50.0	52.5	
58 Isobutyl alcohol	41	7.361	7.361	0.000	95	264829	625.0	623.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.470	7.470	0.000	97	80763	50.0	49.5	
60 Benzene	78	7.507	7.507	0.000	96	1604912	50.0	51.1	
61 1,2-Dichloroethane	62	7.574	7.574	0.000	98	524256	50.0	49.5	
62 Tert-amyl methyl ether	73	7.689	7.689	0.000	98	1193969	50.0	51.0	
* 64 Fluorobenzene (IS)	96	7.908	7.908	0.000	99	1304709	50.0	50.0	
65 n-Heptane	43	7.914	7.914	0.000	91	605064	50.0	55.5	
66 n-Butanol	56	8.243	8.243	0.000	87	491845	1250.0	1254.6	
67 Trichloroethene	95	8.389	8.389	0.000	99	407343	50.0	51.1	
68 Methylcyclohexane	83	8.705	8.705	0.000	94	764575	50.0	52.8	
70 1,2-Dichloropropane	63	8.724	8.724	0.000	85	405396	50.0	51.4	
69 2-ethoxy-2-methyl butane	87	8.724	8.724	0.000	92	646560	50.0	51.6	
71 Methyl methacrylate	69	8.797	8.797	0.000	89	372458	50.0	48.7	
72 1,4-Dioxane	88	8.803	8.803	0.000	47	53909	625.0	629.7	M
74 Dibromomethane	93	8.839	8.839	0.000	97	235953	50.0	50.2	
75 Dichlorobromomethane	83	9.070	9.070	0.000	99	510760	50.0	51.0	
77 2-Nitropropane	41	9.326	9.326	0.000	97	310637	100.0	96.5	
78 2-Chloroethyl vinyl ether	63	9.423	9.423	0.000	92	301472	50.0	50.4	
79 cis-1,3-Dichloropropene	75	9.606	9.606	0.000	96	670414	50.0	50.8	
80 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.000	96	1098039	100.0	102.9	
$ 81 Toluene-d8 (Surr)	98	9.910	9.910	0.000	93	1325225	50.0	50.0	
82 Toluene	92	9.983	9.983	0.000	98	1040838	50.0	50.7	
84 trans-1,3-Dichloropropene	75	10.232	10.232	0.000	93	613900	50.0	50.7	
85 Ethyl methacrylate	69	10.287	10.287	0.000	89	627600	50.0	49.9	
86 1,1,2-Trichloroethane	97	10.433	10.433	0.000	91	352540	50.0	49.4	
87 Tetrachloroethene	166	10.524	10.524	0.000	96	471505	50.0	51.6	
88 1,3-Dichloropropane	76	10.597	10.597	0.000	90	630681	50.0	50.7	
89 2-Hexanone	43	10.640	10.640	0.000	95	845218	100.0	101.4	
90 Chlorodibromomethane	129	10.810	10.810	0.000	90	386213	50.0	51.5	
91 Ethylene Dibromide	107	10.926	10.926	0.000	99	377197	50.0	51.0	
* 93 Chlorobenzene-d5 (IS)	117	11.352	11.352	0.000	87	987609	50.0	50.0	
94 1-Chlorohexane	91	11.352	11.352	0.000	96	624354	50.0	51.3	
95 Chlorobenzene	112	11.376	11.376	0.000	95	1131261	50.0	50.9	
96 1,1,1,2-Tetrachloroethane	131	11.455	11.455	0.000	95	387165	50.0	51.4	
97 Ethylbenzene	91	11.461	11.461	0.000	98	2042720	50.0	51.4	
98 m-Xylene & p-Xylene	106	11.571	11.571	0.000	100	1601123	100.0	102.8	
99 o-Xylene	106	11.905	11.905	0.000	96	782175	50.0	51.6	
100 Styrene	104	11.917	11.917	0.000	94	1325305	50.0	51.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
101 Bromoform	173	12.076	12.076	0.000	96	273992	50.0	52.4	
102 Isopropylbenzene	105	12.203	12.203	0.000	96	2097862	50.0	51.7	
103 Cyclohexanone	55	12.276	12.276	0.000	91	209815	625.0	599.4	
$ 104 4-Bromofluorobenzene (Surr)	95	12.349	12.349	0.000	86	516560	50.0	50.0	
105 1,1,2,2-Tetrachloroethane	83	12.441	12.441	0.000	94	557406	50.0	50.3	
106 Bromobenzene	156	12.465	12.465	0.000	96	459851	50.0	51.4	
107 trans-1,4-Dichloro-2-butene	53	12.465	12.465	0.000	89	500758	125.0	128.1	
108 1,2,3-Trichloropropane	110	12.489	12.489	0.000	83	175987	50.0	50.4	
109 N-Propylbenzene	91	12.532	12.532	0.000	98	2457313	50.0	52.3	
110 2-Chlorotoluene	126	12.611	12.611	0.000	96	481444	50.0	52.5	
111 1,3,5-Trimethylbenzene	105	12.666	12.666	0.000	94	1782902	50.0	51.9	
112 4-Chlorotoluene	126	12.702	12.702	0.000	98	487638	50.0	51.4	
113 tert-Butylbenzene	134	12.909	12.909	0.000	92	383839	50.0	52.1	
114 Pentachloroethane	167	12.945	12.945	0.000	89	249474	50.0	52.6	
115 1,2,4-Trimethylbenzene	105	12.952	12.952	0.000	97	1819209	50.0	51.9	
116 sec-Butylbenzene	105	13.073	13.073	0.000	94	2301121	50.0	53.2	
117 1,3-Dichlorobenzene	146	13.171	13.171	0.000	97	900691	50.0	51.5	
118 4-Isopropyltoluene	119	13.177	13.177	0.000	97	1963364	50.0	53.1	
* 119 1,4-Dichlorobenzene-d4	152	13.231	13.231	0.000	95	515083	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.250	13.250	0.000	93	905641	50.0	51.4	
121 1,2,3-Trimethylbenzene	105	13.256	13.256	0.000	98	1794693	50.0	51.4	
122 Benzyl chloride	91	13.323	13.323	0.000	99	1294137	50.0	51.5	
123 1,3-Diethylbenzene	119	13.377	13.377	0.000	95	1172429	50.0	51.5	
124 p-Diethylbenzene	119	13.450	13.450	0.000	93	1219363	50.0	51.3	
125 n-Butylbenzene	92	13.469	13.469	0.000	96	993393	50.0	53.3	
126 1,2-Dichlorobenzene	146	13.505	13.505	0.000	97	847165	50.0	51.2	
127 o-diethylbenzene	119	13.523	13.523	0.000	96	962562	50.0	51.3	
129 1,2-Dibromo-3-Chloropropane	75	14.047	14.047	0.000	84	147964	50.0	51.4	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	97	603753	50.0	51.8	
131 1,2,4-Trichlorobenzene	180	14.600	14.600	0.000	94	531034	50.0	51.3	
132 Hexachlorobutadiene	225	14.685	14.685	0.000	98	223255	50.0	52.9	
133 Naphthalene	128	14.789	14.789	0.000	97	1959958	50.0	51.5	
134 1,2,3-Trichlorobenzene	180	14.935	14.935	0.000	95	496890	50.0	51.1	
135 2-Methylnaphthalene	142	15.586	15.586	0.000	92	1100888	50.0	51.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_VCYC_00005	Amount Added:	10.00	Units: uL	
MSV_V_ETOH_00008	Amount Added:	10.00	Units: uL	
MSV_V_2CEVE_00120	Amount Added:	5.00	Units: uL	
MSV_V_VOA3_00054	Amount Added:	2.00	Units: uL	
MSV_V_VOA6_00060	Amount Added:	5.00	Units: uL	
MSV_DCFM_00054	Amount Added:	2.50	Units: uL	
MSV_V_VOA1_00108	Amount Added:	5.00	Units: uL	
MSV_V_Gas_00172	Amount Added:	2.50	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 09-Nov-2020 17:28:30 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I03.D

Injection Date: 09-Nov-2020 14:24:30 Instrument ID: 7159 Operator ID: DVV10203

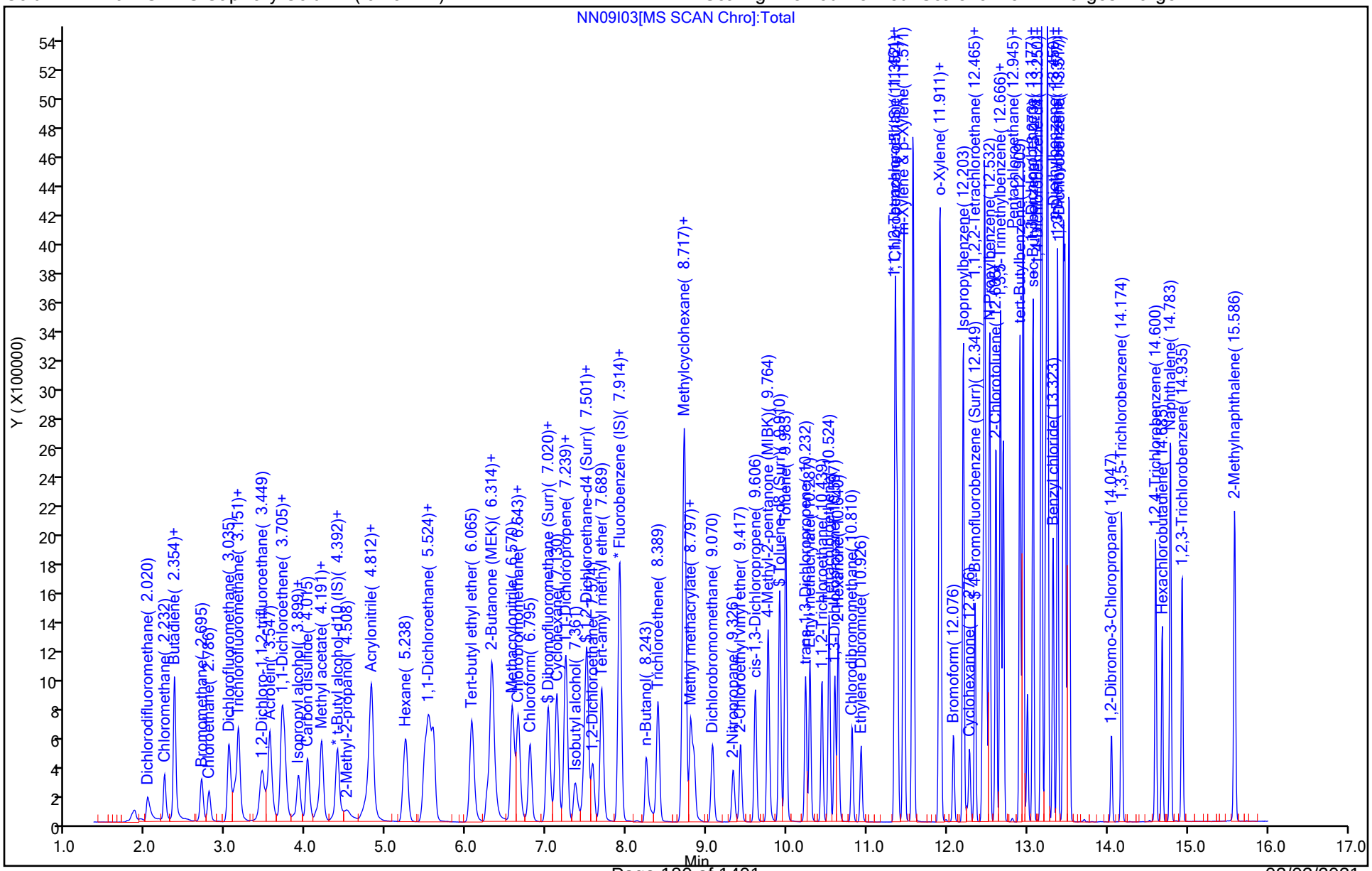
Lims ID: ICIS STD50 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

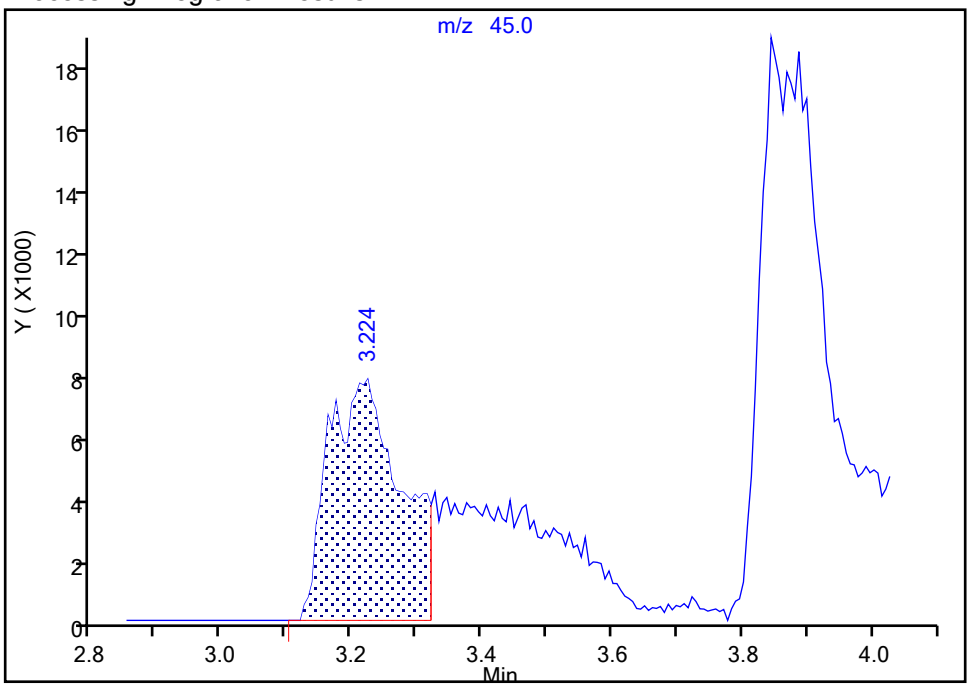
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Injection Date: 09-Nov-2020 14:24:30 Instrument ID: 7159
Lims ID: ICIS STD50
Client ID:
Operator ID: DVV10203 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

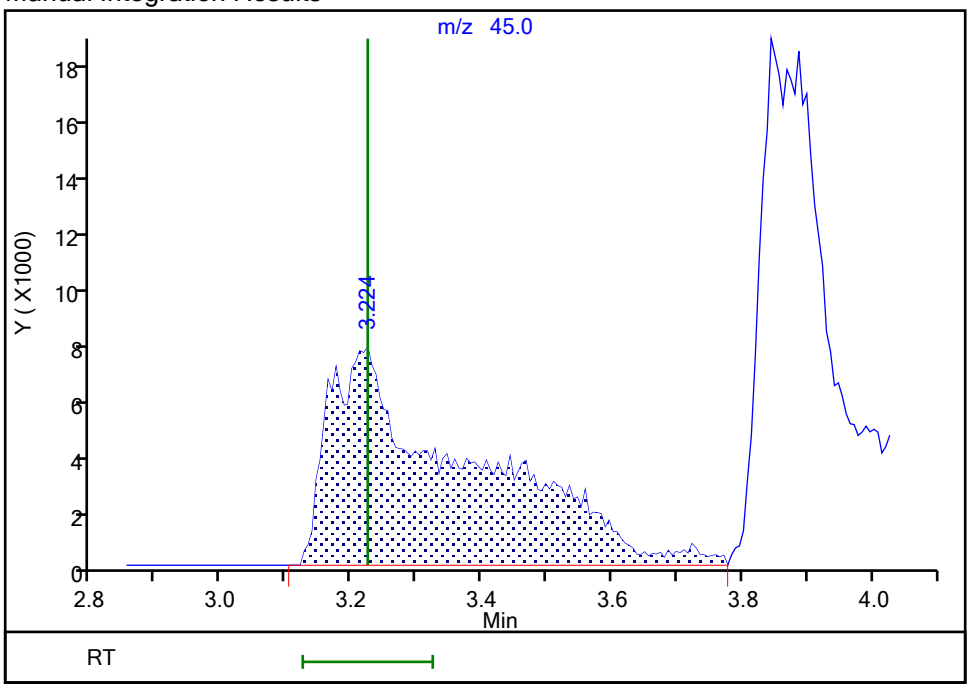
Processing Integration Results

RT: 3.22
Area: 58878
Amount: 756.0087
Amount Units: ug/l



Manual Integration Results

RT: 3.22
Area: 112702
Amount: 1186.7237
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:32:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

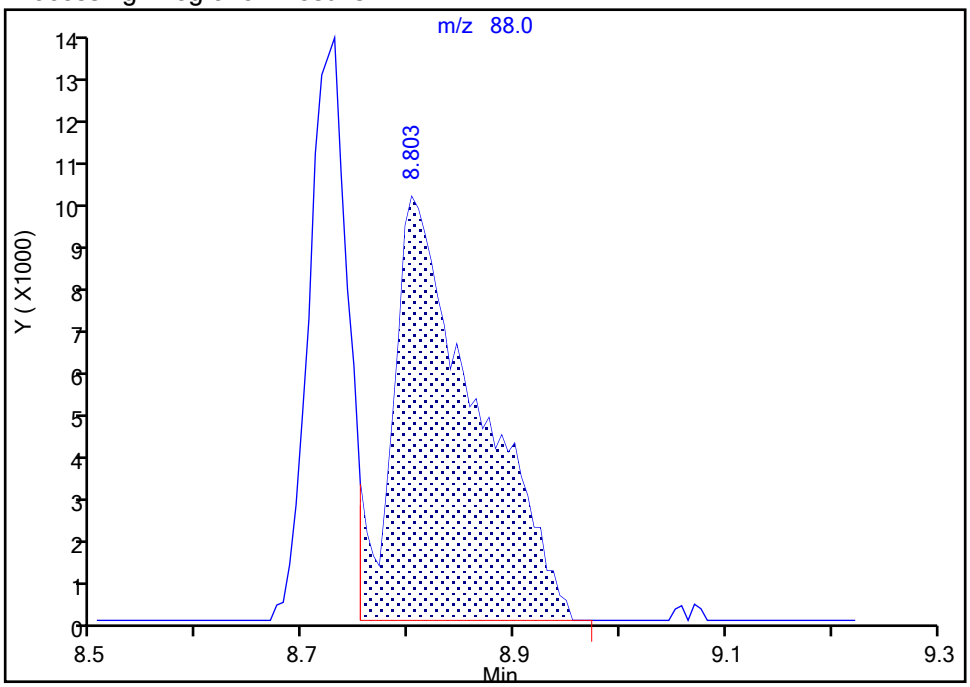
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Injection Date: 09-Nov-2020 14:24:30 Instrument ID: 7159
Lims ID: ICIS STD50
Client ID:
Operator ID: DVV10203 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

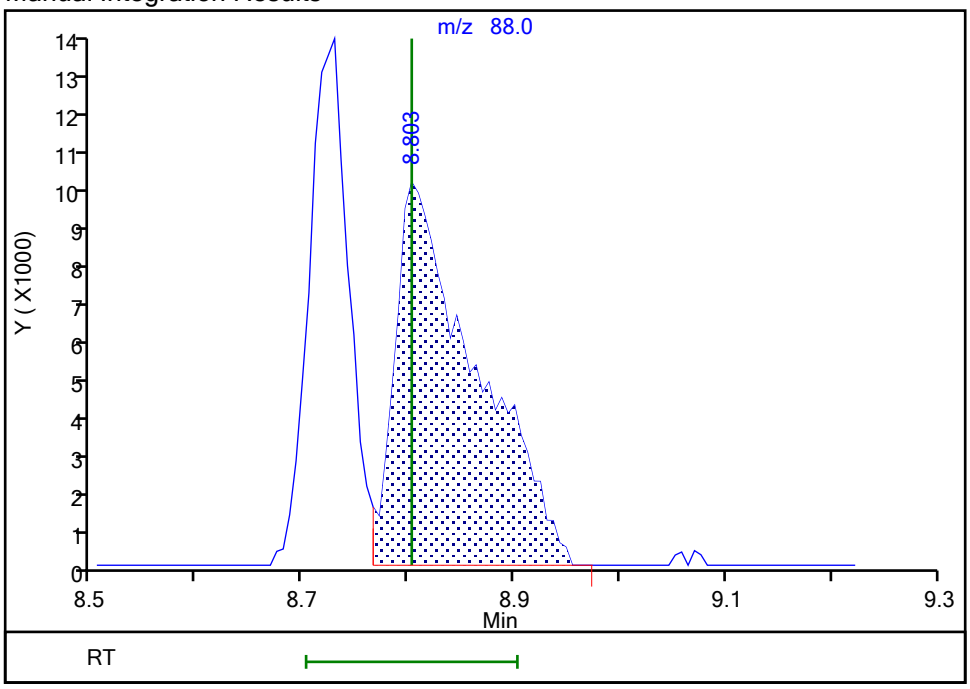
Processing Integration Results

RT: 8.80
Area: 55853
Amount: 638.6936
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 53909
Amount: 629.6662
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:34:17
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I04.D
Lims ID: IC STD20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 09-Nov-2020 14:46:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC VSTD020
Misc. Info.: 410-0015005-006
Operator ID: DVV10203 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub5

Method: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 09-Nov-2020 17:28:42 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: greenl Date: 09-Nov-2020 16:43:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.027	2.027	0.000	99	142822	20.0	20.7	
6 Chloromethane	50	2.234	2.234	0.000	99	188883	20.0	20.9	M
8 Vinyl chloride	62	2.356	2.356	0.000	97	181010	20.0	20.7	
9 Butadiene	39	2.356	2.356	0.000	90	146193	20.0	17.7	
10 Bromomethane	94	2.697	2.697	0.000	91	128825	20.0	21.3	
11 Chloroethane	64	2.794	2.794	0.000	100	120987	20.0	21.4	
12 Dichlorofluoromethane	67	3.037	3.037	0.000	97	267693	20.0	20.1	
13 Trichlorofluoromethane	101	3.110	3.110	0.000	97	224822	20.0	20.8	
15 Pentane	43	3.159	3.159	0.000	97	188751	20.0	16.8	
16 Ethanol	45	3.232	3.232	0.000	91	84508	999.9	945.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.445	3.445	0.000	95	158136	20.0	19.4	
18 Acrolein	56	3.548	3.548	0.000	99	426469	200.0	189.8	
20 1,1-Dichloroethene	96	3.694	3.694	0.000	98	121909	20.0	19.2	
21 Acetone	58	3.725	3.725	0.000	80	35382	40.0	37.7	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.725	3.725	0.000	94	112033	20.0	18.0	
23 Isopropyl alcohol	45	3.877	3.877	0.000	99	118371	200.0	211.4	
24 Iodomethane	142	3.907	3.907	0.000	98	217357	20.0	19.9	
25 Carbon disulfide	76	4.017	4.017	0.000	99	411807	20.0	19.4	
26 Methyl acetate	43	4.163	4.163	0.000	98	131479	20.0	18.6	
27 3-Chloro-1-propene	41	4.193	4.193	0.000	91	212399	20.0	20.0	
* 29 t-Butyl alcohol-d10 (IS)	65	4.376	4.376	0.000	0	305914	250.0	250.0	
28 Methylene Chloride	84	4.388	4.388	0.000	90	143280	20.0	19.7	
31 2-Methyl-2-propanol	59	4.516	4.516	0.000	100	250833	200.0	207.3	
32 Acrylonitrile	53	4.729	4.729	0.000	99	75405	20.0	20.3	
33 Methyl tert-butyl ether	73	4.802	4.802	0.000	96	458899	20.0	19.8	
34 trans-1,2-Dichloroethene	96	4.826	4.826	0.000	99	140602	20.0	19.4	
36 Hexane	57	5.246	5.246	0.000	92	168573	20.0	15.5	
37 1,1-Dichloroethane	63	5.477	5.477	0.000	97	258269	20.0	19.8	
39 Isopropyl ether	45	5.532	5.532	0.000	93	444548	20.0	19.6	
40 2-Chloro-1,3-butadiene	53	5.586	5.586	0.000	92	234188	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.067	6.067	0.000	97	459587	20.0	19.8	
S 42 1,2-Dichloroethene, Total	100				0			38.8	
43 2-Butanone (MEK)	43	6.262	6.262	0.000	99	190140	40.0	36.5	
44 cis-1,2-Dichloroethene	96	6.310	6.310	0.000	84	162390	20.0	19.4	
45 2,2-Dichloropropane	77	6.328	6.328	0.000	88	228392	20.0	19.1	
46 Propionitrile	54	6.347	6.347	0.000	98	290954	200.0	198.4	
47 Methacrylonitrile	67	6.572	6.572	0.000	91	420940	100.0	99.6	
48 Chlorobromomethane	128	6.645	6.645	0.000	95	76657	20.0	19.8	
49 Tetrahydrofuran	71	6.651	6.651	0.000	78	59477	40.0	37.4	
50 Chloroform	83	6.791	6.791	0.000	93	250538	20.0	19.5	
$ 51 Dibromofluoromethane (Surr)	113	7.010	7.010	0.000	93	298043	50.0	50.0	
52 1,1,1-Trichloroethane	97	7.022	7.022	0.000	98	222651	20.0	19.2	
54 Cyclohexane	56	7.132	7.132	0.000	89	223808	20.0	17.2	
56 1,1-Dichloropropene	75	7.241	7.241	0.000	95	206219	20.0	19.5	
55 Carbon tetrachloride	117	7.241	7.241	0.000	84	183281	20.0	19.2	
58 Isobutyl alcohol	41	7.357	7.357	0.000	93	191720	500.0	479.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.466	7.466	0.000	98	79859	50.0	49.7	
60 Benzene	78	7.503	7.503	0.000	97	608862	20.0	19.7	
61 1,2-Dichloroethane	62	7.576	7.576	0.000	98	192920	20.0	18.5	
62 Tert-amyl methyl ether	73	7.685	7.685	0.000	98	458655	20.0	19.9	
* 64 Fluorobenzene (IS)	96	7.910	7.910	0.000	99	1284881	50.0	50.0	
65 n-Heptane	43	7.916	7.916	0.000	87	157105	20.0	14.6	
66 n-Butanol	56	8.245	8.245	0.000	88	373312	1000.0	1012.3	
67 Trichloroethene	95	8.391	8.391	0.000	99	151591	20.0	19.3	
68 Methylcyclohexane	83	8.701	8.701	0.000	93	273619	20.0	19.2	
70 1,2-Dichloropropane	63	8.725	8.725	0.000	78	152178	20.0	19.6	
69 2-ethoxy-2-methyl butane	87	8.725	8.725	0.000	92	242060	20.0	19.6	
71 Methyl methacrylate	69	8.798	8.798	0.000	91	144183	20.0	19.1	
72 1,4-Dioxane	88	8.811	8.811	0.000	38	38793	500.0	481.7	
74 Dibromomethane	93	8.841	8.841	0.000	96	91691	20.0	19.8	
75 Dichlorobromomethane	83	9.072	9.072	0.000	99	191905	20.0	19.5	
77 2-Nitropropane	41	9.328	9.328	0.000	98	116854	40.0	38.6	
78 2-Chloroethyl vinyl ether	63	9.419	9.419	0.000	93	116776	20.0	19.8	
79 cis-1,3-Dichloropropene	75	9.607	9.607	0.000	96	255157	20.0	19.6	
80 4-Methyl-2-pentanone (MIBK)	43	9.766	9.766	0.000	96	410599	40.0	39.1	
$ 81 Toluene-d8 (Surr)	98	9.906	9.906	0.000	93	1302948	50.0	50.2	
82 Toluene	92	9.985	9.985	0.000	98	392080	20.0	19.5	
S 83 1,3-Dichloropropene, Total	100				0			39.1	
84 trans-1,3-Dichloropropene	75	10.234	10.234	0.000	94	231360	20.0	19.5	
85 Ethyl methacrylate	69	10.289	10.289	0.000	89	242753	20.0	19.7	
86 1,1,2-Trichloroethane	97	10.435	10.435	0.000	90	137287	20.0	19.6	
87 Tetrachloroethene	166	10.526	10.526	0.000	95	181735	20.0	20.3	
88 1,3-Dichloropropane	76	10.599	10.599	0.000	90	240427	20.0	19.7	
89 2-Hexanone	43	10.642	10.642	0.000	95	316229	40.0	38.7	
90 Chlorodibromomethane	129	10.812	10.812	0.000	90	144508	20.0	19.7	
91 Ethylene Dibromide	107	10.928	10.928	0.000	98	143236	20.0	19.8	
S 92 Xylenes, Total	106				0			58.5	
* 93 Chlorobenzene-d5 (IS)	117	11.347	11.347	0.000	87	968118	50.0	50.0	
94 1-Chlorohexane	91	11.353	11.353	0.000	98	217694	20.0	18.3	
95 Chlorobenzene	112	11.378	11.378	0.000	95	427289	20.0	19.6	
96 1,1,1,2-Tetrachloroethane	131	11.457	11.457	0.000	96	144701	20.0	19.6	
97 Ethylbenzene	91	11.457	11.457	0.000	98	759905	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.572	11.572	0.000	100	594080	40.0	38.9	
99 o-Xylene	106	11.901	11.901	0.000	97	291808	20.0	19.6	
100 Styrene	104	11.919	11.919	0.000	95	496644	20.0	19.8	
101 Bromoform	173	12.077	12.077	0.000	96	99422	20.0	19.4	
102 Isopropylbenzene	105	12.199	12.199	0.000	96	770944	20.0	19.4	
103 Cyclohexanone	55	12.278	12.278	0.000	91	160197	500.0	486.5	
$ 104 4-Bromofluorobenzene (Surr)	95	12.345	12.345	0.000	86	500537	50.0	49.4	
105 1,1,2,2-Tetrachloroethane	83	12.442	12.442	0.000	94	217850	20.0	19.9	
106 Bromobenzene	156	12.467	12.467	0.000	91	170158	20.0	19.2	
107 trans-1,4-Dichloro-2-butene	53	12.467	12.467	0.000	90	379471	100.0	98.3	
108 1,2,3-Trichloropropane	110	12.491	12.491	0.000	85	66593	20.0	19.3	
109 N-Propylbenzene	91	12.528	12.528	0.000	99	902119	20.0	19.4	
110 2-Chlorotoluene	126	12.607	12.607	0.000	96	176994	20.0	19.6	
111 1,3,5-Trimethylbenzene	105	12.661	12.661	0.000	93	660030	20.0	19.5	
112 4-Chlorotoluene	126	12.698	12.698	0.000	98	183757	20.0	19.6	
113 tert-Butylbenzene	134	12.905	12.905	0.000	93	137010	20.0	18.8	
114 Pentachloroethane	167	12.941	12.941	0.000	87	85588	20.0	18.3	
115 1,2,4-Trimethylbenzene	105	12.947	12.947	0.000	97	666971	20.0	19.3	
116 sec-Butylbenzene	105	13.069	13.069	0.000	94	811349	20.0	19.0	
117 1,3-Dichlorobenzene	146	13.172	13.172	0.000	97	335061	20.0	19.4	
118 4-Isopropyltoluene	119	13.178	13.178	0.000	97	701546	20.0	19.2	
* 119 1,4-Dichlorobenzene-d4	152	13.227	13.227	0.000	95	508697	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.245	13.245	0.000	93	338163	20.0	19.4	
121 1,2,3-Trimethylbenzene	105	13.251	13.251	0.000	98	692571	20.0	20.1	
122 Benzyl chloride	91	13.318	13.318	0.000	99	491316	20.0	19.8	
123 1,3-Diethylbenzene	119	13.379	13.379	0.000	95	451100	20.0	20.1	
124 p-Diethylbenzene	119	13.452	13.452	0.000	95	470758	20.0	20.1	
125 n-Butylbenzene	92	13.470	13.470	0.000	98	348463	20.0	18.9	
126 1,2-Dichlorobenzene	146	13.507	13.507	0.000	97	316339	20.0	19.4	
127 o-diethylbenzene	119	13.525	13.525	0.000	95	373573	20.0	20.1	
129 1,2-Dibromo-3-Chloropropane	75	14.048	14.048	0.000	83	54408	20.0	19.1	
130 1,3,5-Trichlorobenzene	180	14.176	14.176	0.000	97	218726	20.0	19.0	
131 1,2,4-Trichlorobenzene	180	14.602	14.602	0.000	94	195798	20.0	19.2	
132 Hexachlorobutadiene	225	14.681	14.681	0.000	98	74472	20.0	17.9	
133 Naphthalene	128	14.785	14.785	0.000	97	743654	20.0	19.8	
134 1,2,3-Trichlorobenzene	180	14.931	14.931	0.000	96	186011	20.0	19.4	
135 2-Methylnaphthalene	142	15.588	15.588	0.000	92	427297	20.0	20.2	
S 144 Total Diethylbenzene	1				0			60.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_VCYC_00005	Amount Added:	16.00	Units: uL	
MSV_V_2CEVE_00120	Amount Added:	4.00	Units: uL	
MSV_V_VOA3_00054	Amount Added:	1.60	Units: uL	
MSV_V_VOA2_00057	Amount Added:	4.00	Units: uL	
MSV_V_VOA6_00060	Amount Added:	4.00	Units: uL	
MSV_V_ETOH_00008	Amount Added:	16.00	Units: uL	
MSV_DCFM_00054	Amount Added:	2.00	Units: uL	
MSV_V_VOA1_00108	Amount Added:	4.00	Units: uL	
MSV_V_Gas_00172	Amount Added:	2.00	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 09-Nov-2020 17:28:43 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I04.D

Injection Date: 09-Nov-2020 14:46:30 Instrument ID: 7159 Operator ID: DVV10203

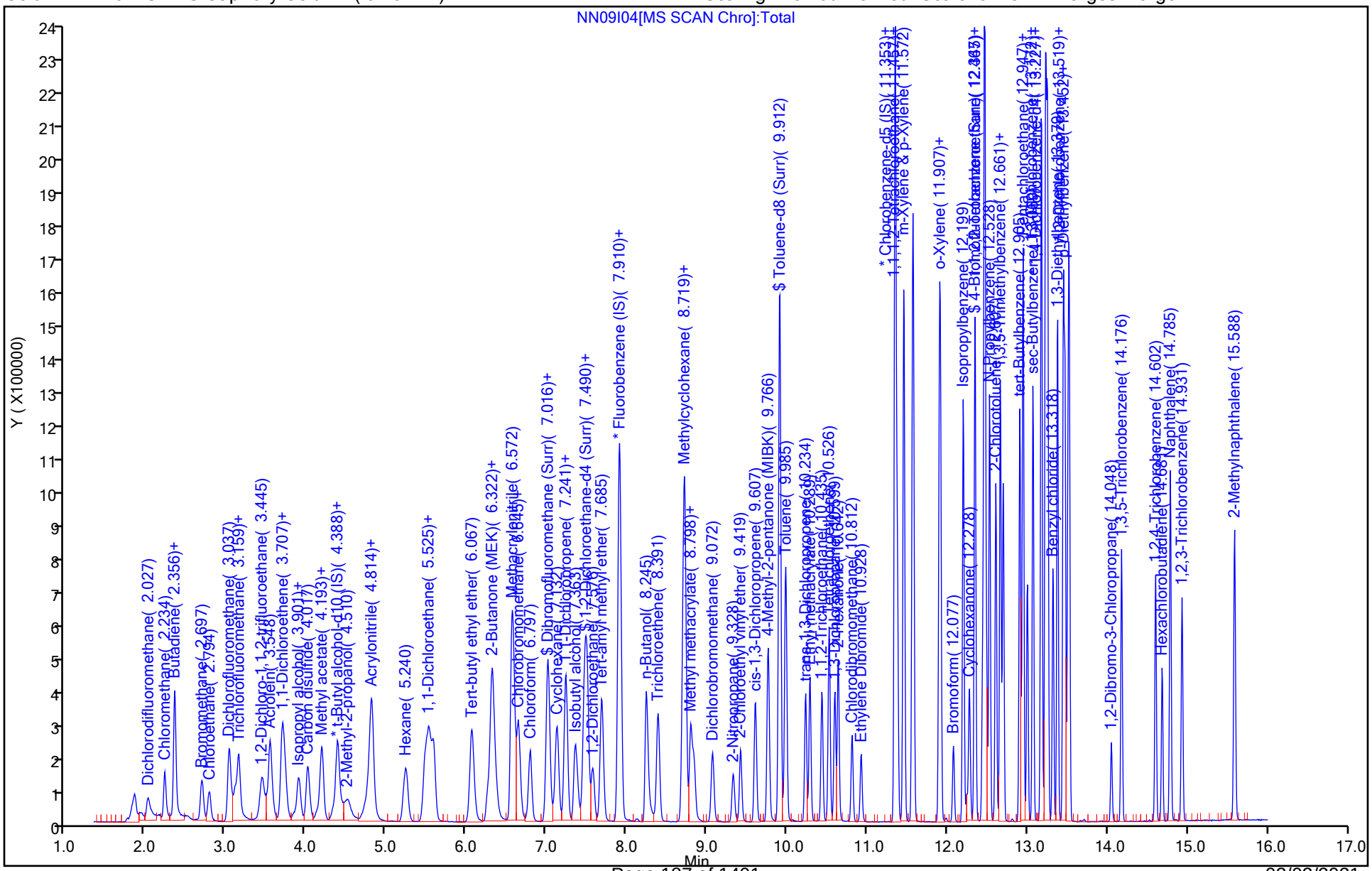
Lims ID: IC STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

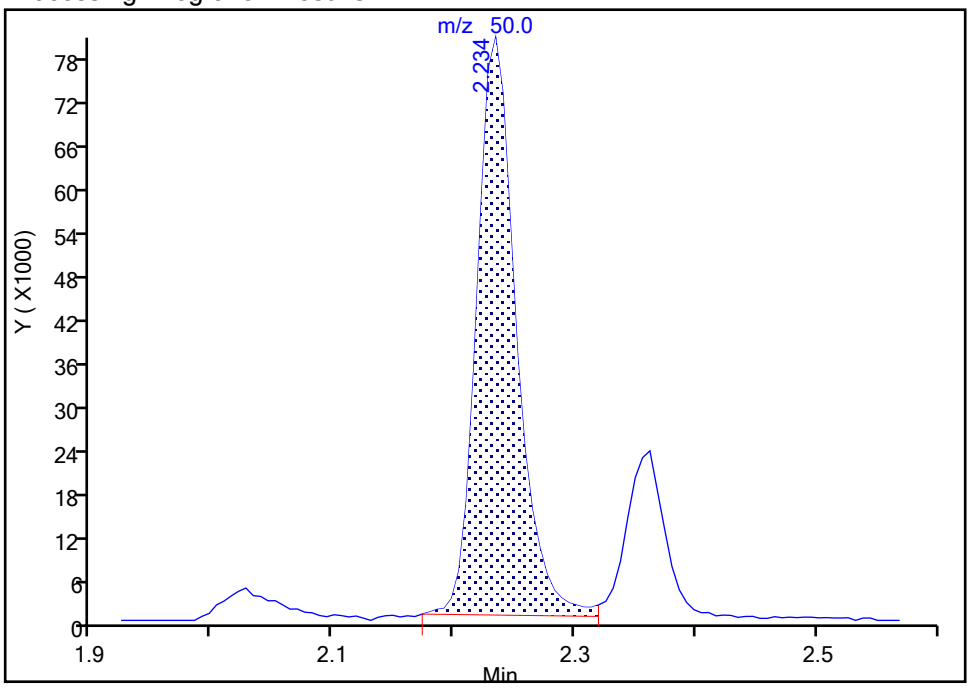
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Injection Date: 09-Nov-2020 14:46:30 Instrument ID: 7159
Lims ID: IC STD20
Client ID:
Operator ID: DVV10203 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

6 Chloromethane, CAS: 74-87-3

Signal: 1

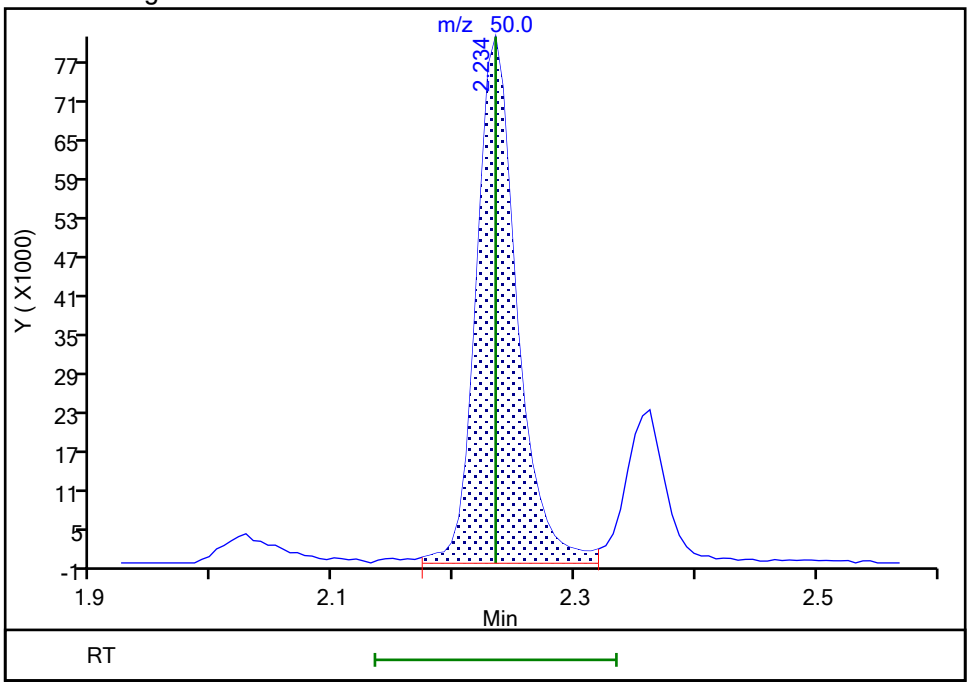
Processing Integration Results

RT: 2.23
Area: 181980
Amount: 20.241944
Amount Units: ug/l



Manual Integration Results

RT: 2.23
Area: 188883
Amount: 20.895176
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:42:11
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I05.D
Lims ID: IC STD10
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 09-Nov-2020 15:08:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC VSTD010
Misc. Info.: 410-0015005-007
Operator ID: DVV10203 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub5

Method: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 09-Nov-2020 17:28:54 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: greenl Date: 09-Nov-2020 16:46:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.031	2.027	0.004	99	70603	10.0	10.3	
6 Chloromethane	50	2.238	2.234	0.004	99	88715	10.0	9.82	
8 Vinyl chloride	62	2.360	2.356	0.004	90	90401	10.0	10.3	
9 Butadiene	39	2.360	2.356	0.004	88	78815	10.0	9.57	
10 Bromomethane	94	2.700	2.697	0.003	90	62828	10.0	10.4	
11 Chloroethane	64	2.792	2.794	-0.002	99	58625	10.0	10.4	
12 Dichlorofluoromethane	67	3.041	3.037	0.004	97	136218	10.0	10.2	
13 Trichlorofluoromethane	101	3.114	3.110	0.004	97	111991	10.0	10.4	
15 Pentane	43	3.157	3.159	-0.002	96	121435	10.0	10.9	
16 Ethanol	45	3.224	3.232	-0.008	77	44245	500.0	502.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.449	3.445	0.004	93	87023	10.0	10.7	
18 Acrolein	56	3.552	3.548	0.004	99	217866	100.0	98.3	
20 1,1-Dichloroethene	96	3.698	3.694	0.004	98	68367	10.0	10.8	
21 Acetone	58	3.729	3.725	0.003	73	19468	20.0	21.0	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.735	3.725	0.010	95	67418	10.0	10.9	
23 Isopropyl alcohol	45	3.868	3.877	-0.009	99	58778	100.0	106.4	
24 Iodomethane	142	3.905	3.907	-0.002	98	114696	10.0	10.5	
25 Carbon disulfide	76	4.021	4.017	0.003	99	224636	10.0	10.6	
26 Methyl acetate	43	4.167	4.163	0.004	96	63354	10.0	8.95	
27 3-Chloro-1-propene	41	4.191	4.193	-0.002	91	106087	10.0	10.0	
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.376	0.003	0	301768	250.0	250.0	
28 Methylene Chloride	84	4.386	4.388	-0.002	90	76828	10.0	10.6	
31 2-Methyl-2-propanol	59	4.513	4.516	-0.003	98	121600	100.0	101.9	
32 Acrylonitrile	53	4.738	4.729	0.009	97	37948	10.0	10.2	
33 Methyl tert-butyl ether	73	4.793	4.802	-0.009	94	238337	10.0	10.3	
34 trans-1,2-Dichloroethene	96	4.824	4.826	-0.002	98	77021	10.0	10.6	
36 Hexane	57	5.243	5.246	-0.003	92	117134	10.0	10.8	
37 1,1-Dichloroethane	63	5.481	5.477	0.004	96	136722	10.0	10.5	
39 Isopropyl ether	45	5.523	5.532	-0.009	93	235311	10.0	10.4	
40 2-Chloro-1,3-butadiene	53	5.590	5.586	0.004	92	125421	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.071	6.067	0.004	97	237512	10.0	10.2	
S 42 1,2-Dichloroethene, Total	100				0			21.3	
43 2-Butanone (MEK)	43	6.265	6.262	0.003	99	95759	20.0	18.4	
44 cis-1,2-Dichloroethene	96	6.314	6.310	0.004	82	89157	10.0	10.7	
45 2,2-Dichloropropane	77	6.326	6.328	-0.002	88	125172	10.0	10.5	
46 Propionitrile	54	6.344	6.347	-0.003	96	137785	100.0	95.2	
47 Methacrylonitrile	67	6.569	6.572	-0.003	90	209506	50.0	49.6	
48 Chlorobromomethane	128	6.655	6.645	0.010	92	39365	10.0	10.2	
49 Tetrahydrofuran	71	6.661	6.651	0.010	79	28608	20.0	18.2	
50 Chloroform	83	6.795	6.791	0.004	94	132654	10.0	10.3	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.010	-0.003	93	298018	50.0	50.0	
52 1,1,1-Trichloroethane	97	7.026	7.022	0.004	98	122493	10.0	10.6	
54 Cyclohexane	56	7.129	7.132	-0.003	89	138034	10.0	10.6	
56 1,1-Dichloropropene	75	7.239	7.241	-0.002	95	111484	10.0	10.5	
55 Carbon tetrachloride	117	7.245	7.241	0.004	87	100430	10.0	10.5	
58 Isobutyl alcohol	41	7.360	7.357	0.003	93	100713	250.0	255.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.470	7.466	0.004	99	80018	50.0	49.8	
60 Benzene	78	7.506	7.503	0.003	96	322684	10.0	10.4	
61 1,2-Dichloroethane	62	7.573	7.576	-0.003	97	104288	10.0	10.0	
62 Tert-amyl methyl ether	73	7.689	7.685	0.004	98	237632	10.0	10.3	
* 64 Fluorobenzene (IS)	96	7.908	7.910	-0.002	98	1283469	50.0	50.0	
65 n-Heptane	43	7.920	7.916	0.004	59	103945	10.0	9.69	
66 n-Butanol	56	8.249	8.245	0.004	87	185040	500.0	508.6	
67 Trichloroethene	95	8.388	8.391	-0.003	99	82283	10.0	10.5	
68 Methylcyclohexane	83	8.705	8.701	0.004	93	142308	10.0	9.99	
70 1,2-Dichloropropane	63	8.723	8.725	-0.002	70	79764	10.0	10.3	
69 2-ethoxy-2-methyl butane	87	8.723	8.725	-0.002	93	126631	10.0	10.3	
71 Methyl methacrylate	69	8.802	8.798	0.004	92	74853	10.0	9.95	
72 1,4-Dioxane	88	8.820	8.811	0.009	41	20487	250.0	257.9	
74 Dibromomethane	93	8.839	8.841	-0.002	96	48213	10.0	10.4	
75 Dichlorobromomethane	83	9.070	9.072	-0.002	99	99102	10.0	10.1	
77 2-Nitropropane	41	9.325	9.328	-0.003	98	63702	20.0	21.3	
78 2-Chloroethyl vinyl ether	63	9.423	9.419	0.004	92	58297	10.0	9.91	
79 cis-1,3-Dichloropropene	75	9.605	9.607	-0.002	95	136011	10.0	10.5	
80 4-Methyl-2-pentanone (MIBK)	43	9.763	9.766	-0.003	96	214787	20.0	20.5	
$ 81 Toluene-d8 (Surr)	98	9.909	9.906	0.003	93	1294796	50.0	50.4	
82 Toluene	92	9.982	9.985	-0.003	98	208381	10.0	10.5	
S 83 1,3-Dichloropropene, Total	100				0			20.7	
84 trans-1,3-Dichloropropene	75	10.232	10.234	-0.002	93	120524	10.0	10.3	
85 Ethyl methacrylate	69	10.286	10.289	-0.003	90	122796	10.0	10.1	
86 1,1,2-Trichloroethane	97	10.439	10.435	0.004	92	70487	10.0	10.2	
87 Tetrachloroethene	166	10.524	10.526	-0.002	96	95948	10.0	10.8	
88 1,3-Dichloropropane	76	10.597	10.599	-0.002	89	122447	10.0	10.1	
89 2-Hexanone	43	10.639	10.642	-0.003	96	165319	20.0	20.4	
90 Chlorodibromomethane	129	10.810	10.812	-0.002	90	75363	10.0	10.4	
91 Ethylene Dibromide	107	10.925	10.928	-0.003	99	73760	10.0	10.3	
S 92 Xylenes, Total	106				0			31.7	
* 93 Chlorobenzene-d5 (IS)	117	11.351	11.347	0.004	88	958193	50.0	50.0	
94 1-Chlorohexane	91	11.351	11.353	-0.002	97	123920	10.0	10.5	
95 Chlorobenzene	112	11.375	11.378	-0.003	95	226075	10.0	10.5	
96 1,1,1,2-Tetrachloroethane	131	11.455	11.457	-0.003	94	74894	10.0	10.3	
97 Ethylbenzene	91	11.461	11.457	0.004	98	412354	10.0	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.576	11.572	0.004	100	319514	20.0	21.1	
99 o-Xylene	106	11.905	11.901	0.004	96	156007	10.0	10.6	
100 Styrene	104	11.917	11.919	-0.002	94	261769	10.0	10.5	
101 Bromoform	173	12.081	12.077	0.004	95	51204	10.0	10.1	
102 Isopropylbenzene	105	12.203	12.199	0.004	96	422971	10.0	10.7	
103 Cyclohexanone	55	12.276	12.278	-0.002	91	78673	250.0	242.2	
$ 104 4-Bromofluorobenzene (Surr)	95	12.349	12.345	0.004	86	506323	50.0	50.5	
105 1,1,2,2-Tetrachloroethane	83	12.440	12.442	-0.002	96	109727	10.0	10.2	
106 Bromobenzene	156	12.464	12.467	-0.003	96	88955	10.0	10.2	
107 trans-1,4-Dichloro-2-butene	53	12.464	12.467	-0.003	89	187907	50.0	49.5	
108 1,2,3-Trichloropropane	110	12.495	12.491	0.004	86	35098	10.0	10.3	
109 N-Propylbenzene	91	12.531	12.528	0.003	99	489688	10.0	10.7	
110 2-Chlorotoluene	126	12.610	12.607	0.003	96	96168	10.0	10.8	
111 1,3,5-Trimethylbenzene	105	12.665	12.661	0.004	94	357440	10.0	10.7	
112 4-Chlorotoluene	126	12.702	12.698	0.004	98	96243	10.0	10.4	
113 tert-Butylbenzene	134	12.908	12.905	0.003	93	73774	10.0	10.3	
114 Pentachloroethane	167	12.945	12.941	0.004	83	42719	10.0	9.26	
115 1,2,4-Trimethylbenzene	105	12.951	12.947	0.004	97	365894	10.0	10.7	
116 sec-Butylbenzene	105	13.073	13.069	0.004	94	452942	10.0	10.8	
117 1,3-Dichlorobenzene	146	13.170	13.172	-0.002	97	177811	10.0	10.5	
118 4-Isopropyltoluene	119	13.176	13.178	-0.002	97	384495	10.0	10.7	
* 119 1,4-Dichlorobenzene-d4	152	13.231	13.227	0.004	97	500762	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.249	13.245	0.004	94	180960	10.0	10.6	
121 1,2,3-Trimethylbenzene	105	13.255	13.251	0.004	98	342941	10.0	10.1	
122 Benzyl chloride	91	13.322	13.318	0.004	99	250009	10.0	10.2	
123 1,3-Diethylbenzene	119	13.377	13.379	-0.002	95	224122	10.0	10.1	
124 p-Diethylbenzene	119	13.450	13.452	-0.002	95	233455	10.0	10.1	
125 n-Butylbenzene	92	13.468	13.470	-0.002	97	188517	10.0	10.4	
126 1,2-Dichlorobenzene	146	13.505	13.507	-0.002	97	167678	10.0	10.4	
127 o-diethylbenzene	119	13.523	13.525	-0.002	96	183838	10.0	10.1	
129 1,2-Dibromo-3-Chloropropane	75	14.046	14.048	-0.002	84	28500	10.0	10.2	
130 1,3,5-Trichlorobenzene	180	14.180	14.176	0.004	97	117489	10.0	10.4	
131 1,2,4-Trichlorobenzene	180	14.600	14.602	-0.002	94	103974	10.0	10.3	
132 Hexachlorobutadiene	225	14.685	14.681	0.004	97	42286	10.0	10.3	
133 Naphthalene	128	14.788	14.785	0.004	97	380921	10.0	10.3	
134 1,2,3-Trichlorobenzene	180	14.934	14.931	0.004	95	98605	10.0	10.4	
135 2-Methylnaphthalene	142	15.585	15.588	-0.003	93	204632	10.0	9.84	
S 144 Total Diethylbenzene	1				0			30.3	

QC Flag Legend

Processing Flags

Reagents:

MSV_VCYC_00005	Amount Added:	8.00	Units: uL	
MSV_V_ETOH_00008	Amount Added:	8.00	Units: uL	
MSV_V_2CEVE_00120	Amount Added:	2.00	Units: uL	
MSV_V_VOA3_00054	Amount Added:	0.80	Units: uL	
MSV_V_VOA2_00057	Amount Added:	2.00	Units: uL	
MSV_V_VOA6_00060	Amount Added:	2.00	Units: uL	
MSV_DCFM_00054	Amount Added:	1.00	Units: uL	
MSV_V_VOA1_00108	Amount Added:	2.00	Units: uL	
MSV_V_Gas_00172	Amount Added:	1.00	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 09-Nov-2020 17:28:55 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I05.D

Injection Date: 09-Nov-2020 15:08:30 Instrument ID: 7159 Operator ID: DVV10203

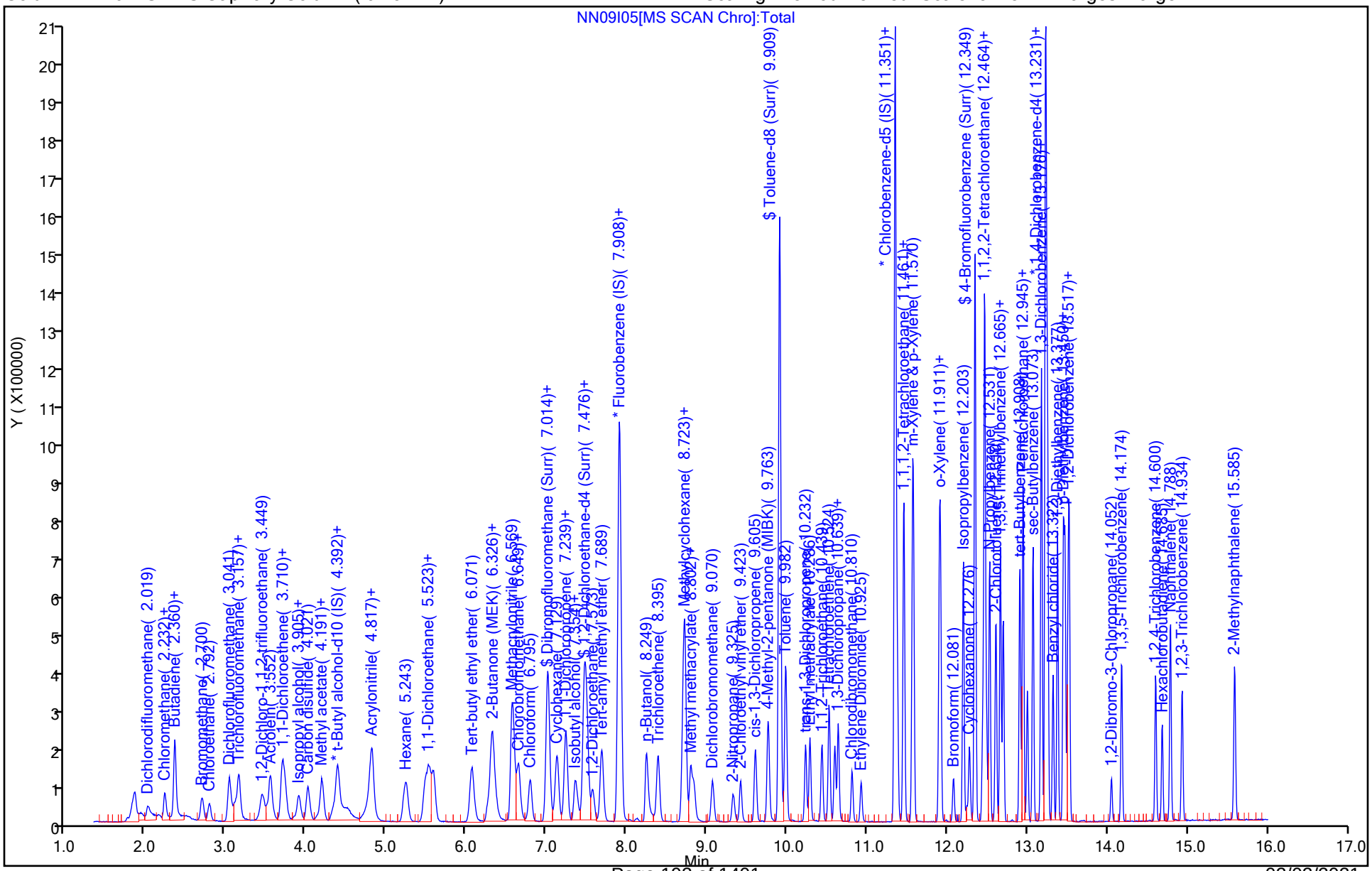
Lims ID: IC STD10 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I06.D
Lims ID: IC STD4
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 09-Nov-2020 15:30:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC VSTD004
Misc. Info.: 410-0015005-008
Operator ID: DVV10203 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub5

Method: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 09-Nov-2020 17:29:07 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: greenl Date: 09-Nov-2020 16:52:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.021	2.027	-0.006	99	30532	4.00	4.42	
6 Chloromethane	50	2.234	2.234	0.000	99	36811	4.00	4.05	
8 Vinyl chloride	62	2.361	2.356	0.005	91	36628	4.00	4.16	
9 Butadiene	39	2.361	2.356	0.005	89	34718	4.00	4.19	
10 Bromomethane	94	2.696	2.697	-0.001	91	24505	4.00	4.04	
11 Chloroethane	64	2.793	2.794	-0.001	99	23027	4.00	4.06	
12 Dichlorofluoromethane	67	3.043	3.037	0.006	97	56689	4.00	4.24	
13 Trichlorofluoromethane	101	3.116	3.110	0.006	82	44616	4.00	4.10	
15 Pentane	43	3.164	3.159	0.005	95	46192	4.00	4.10	
16 Ethanol	45	3.237	3.232	0.005	30	24017	250.0	258.1	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.450	3.445	0.005	92	33710	4.00	4.12	
18 Acrolein	56	3.560	3.548	0.012	99	91493	40.0	39.1	
20 1,1-Dichloroethene	96	3.706	3.694	0.012	98	26471	4.00	4.14	
21 Acetone	58	3.736	3.725	0.011	74	8295	8.00	8.48	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.730	3.725	0.005	92	26286	4.00	4.21	
23 Isopropyl alcohol	45	3.888	3.877	0.011	99	39897	80.0	68.4	
24 Iodomethane	142	3.913	3.907	0.006	98	44133	4.00	4.02	
25 Carbon disulfide	76	4.022	4.017	0.005	99	84671	4.00	3.97	
26 Methyl acetate	43	4.174	4.163	0.011	96	28174	4.00	3.96	M
27 3-Chloro-1-propene	41	4.199	4.193	0.006	92	44203	4.00	4.15	
* 29 t-Butyl alcohol-d10 (IS)	65	4.381	4.376	0.005	0	318677	250.0	250.0	
28 Methylene Chloride	84	4.393	4.388	0.005	83	28994	4.00	3.98	
31 2-Methyl-2-propanol	59	4.509	4.516	-0.007	99	87879	80.0	69.7	
32 Acrylonitrile	53	4.758	4.729	0.029	96	14642	4.00	3.92	
33 Methyl tert-butyl ether	73	4.795	4.802	-0.007	94	92694	4.00	3.99	
34 trans-1,2-Dichloroethene	96	4.819	4.826	-0.007	98	29738	4.00	4.09	
36 Hexane	57	5.239	5.246	-0.007	91	46378	4.00	4.26	M
37 1,1-Dichloroethane	63	5.482	5.477	0.005	96	51850	4.00	3.97	
39 Isopropyl ether	45	5.537	5.532	0.005	96	89747	4.00	3.95	
40 2-Chloro-1,3-butadiene	53	5.592	5.586	0.006	92	48917	4.00	4.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.066	6.067	-0.001	97	93115	4.00	3.99	
S 42 1,2-Dichloroethene, Total	100				0			8.02	
43 2-Butanone (MEK)	43	6.273	6.262	0.011	100	41184	8.00	7.87	
44 cis-1,2-Dichloroethene	96	6.316	6.310	0.006	84	33045	4.00	3.93	
45 2,2-Dichloropropane	77	6.334	6.328	0.006	75	48764	4.00	4.07	a
46 Propionitrile	54	6.358	6.347	0.011	100	122406	80.0	80.1	
47 Methacrylonitrile	67	6.571	6.572	-0.001	90	166252	40.0	39.1	
48 Chlorobromomethane	128	6.650	6.645	0.005	91	15545	4.00	4.00	
49 Tetrahydrofuran	71	6.650	6.651	-0.001	72	13104	8.00	7.90	
50 Chloroform	83	6.796	6.791	0.005	93	52482	4.00	4.06	
$ 51 Dibromofluoromethane (Surr)	113	7.009	7.010	-0.001	93	300624	50.0	50.2	
52 1,1,1-Trichloroethane	97	7.027	7.022	0.005	98	46354	4.00	3.97	
54 Cyclohexane	56	7.125	7.132	-0.007	88	55144	4.00	4.21	
56 1,1-Dichloropropene	75	7.240	7.241	-0.001	94	42121	4.00	3.96	
55 Carbon tetrachloride	117	7.246	7.241	0.005	88	37952	4.00	3.96	
58 Isobutyl alcohol	41	7.362	7.357	0.005	94	83195	200.0	199.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.471	7.466	0.005	98	82034	50.0	50.8	
60 Benzene	78	7.508	7.503	0.005	94	124035	4.00	3.99	
61 1,2-Dichloroethane	62	7.581	7.576	0.005	97	42986	4.00	4.10	
62 Tert-amyl methyl ether	73	7.684	7.685	-0.001	98	93382	4.00	4.03	
* 64 Fluorobenzene (IS)	96	7.909	7.910	-0.001	98	1290720	50.0	50.0	
65 n-Heptane	43	7.916	7.916	0.000	39	43065	4.00	3.99	
66 n-Butanol	56	8.250	8.245	0.005	89	143674	400.0	374.0	
67 Trichloroethene	95	8.390	8.391	-0.001	98	31527	4.00	4.00	
68 Methylcyclohexane	83	8.706	8.701	0.005	93	61441	4.00	4.29	
70 1,2-Dichloropropane	63	8.731	8.725	0.006	68	30960	4.00	3.97	
69 2-ethoxy-2-methyl butane	87	8.725	8.725	0.000	89	49089	4.00	3.96	
71 Methyl methacrylate	69	8.798	8.798	0.000	91	30511	4.00	4.03	
72 1,4-Dioxane	88	8.816	8.811	0.005	81	15644	200.0	186.5	
74 Dibromomethane	93	8.840	8.841	-0.001	95	18428	4.00	3.96	
75 Dichlorobromomethane	83	9.071	9.072	-0.001	98	38804	4.00	3.92	
77 2-Nitropropane	41	9.333	9.328	0.005	98	23139	8.00	7.34	
78 2-Chloroethyl vinyl ether	63	9.418	9.419	-0.001	93	24139	4.00	4.08	
79 cis-1,3-Dichloropropene	75	9.607	9.607	0.000	96	50222	4.00	3.85	
80 4-Methyl-2-pentanone (MIBK)	43	9.765	9.766	-0.001	95	87637	8.00	8.30	
$ 81 Toluene-d8 (Surr)	98	9.911	9.906	0.005	93	1295641	50.0	50.2	
82 Toluene	92	9.984	9.985	-0.001	99	81346	4.00	4.07	
S 83 1,3-Dichloropropene, Total	100				0			7.77	
84 trans-1,3-Dichloropropene	75	10.233	10.234	-0.001	92	46267	4.00	3.92	
85 Ethyl methacrylate	69	10.288	10.289	-0.001	88	50771	4.00	4.15	
86 1,1,2-Trichloroethane	97	10.440	10.435	0.005	90	27680	4.00	3.98	
87 Tetrachloroethene	166	10.525	10.526	-0.001	93	36374	4.00	4.09	
88 1,3-Dichloropropane	76	10.598	10.599	-0.001	87	48269	4.00	3.98	
89 2-Hexanone	43	10.641	10.642	-0.001	96	66528	8.00	8.20	
90 Chlorodibromomethane	129	10.811	10.812	-0.001	89	28306	4.00	3.88	
91 Ethylene Dibromide	107	10.927	10.928	-0.001	100	28755	4.00	3.99	
S 92 Xylenes, Total	106				0			11.9	
* 93 Chlorobenzene-d5 (IS)	117	11.353	11.347	0.006	88	961749	50.0	50.0	
94 1-Chlorohexane	91	11.353	11.353	0.000	84	48558	4.00	4.10	
95 Chlorobenzene	112	11.377	11.378	-0.001	95	86714	4.00	4.01	
96 1,1,1,2-Tetrachloroethane	131	11.456	11.457	-0.001	95	28757	4.00	3.92	
97 Ethylbenzene	91	11.462	11.457	0.005	98	158060	4.00	4.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.572	11.572	0.000	100	121680	8.00	8.02	
99 o-Xylene	106	11.900	11.901	-0.001	97	57711	4.00	3.91	
100 Styrene	104	11.918	11.919	-0.001	95	98221	4.00	3.93	
101 Bromoform	173	12.083	12.077	0.006	95	19565	4.00	3.84	
102 Isopropylbenzene	105	12.198	12.199	-0.001	96	161427	4.00	4.09	
103 Cyclohexanone	55	12.277	12.278	-0.001	91	65408	200.0	190.7	
$ 104 4-Bromofluorobenzene (Surr)	95	12.344	12.345	-0.001	85	507273	50.0	50.4	
105 1,1,2,2-Tetrachloroethane	83	12.442	12.442	0.000	92	45177	4.00	4.19	
106 Bromobenzene	156	12.466	12.467	-0.001	81	34870	4.00	4.00	
107 trans-1,4-Dichloro-2-butene	53	12.466	12.467	-0.001	93	152352	40.0	40.0	
108 1,2,3-Trichloropropane	110	12.490	12.491	-0.001	84	13703	4.00	4.03	
109 N-Propylbenzene	91	12.527	12.528	-0.001	99	187722	4.00	4.10	
110 2-Chlorotoluene	126	12.612	12.607	0.005	96	35846	4.00	4.02	
111 1,3,5-Trimethylbenzene	105	12.661	12.661	0.000	94	134368	4.00	4.02	
112 4-Chlorotoluene	126	12.703	12.698	0.005	98	35360	4.00	3.83	
113 tert-Butylbenzene	134	12.910	12.905	0.005	93	28593	4.00	3.99	
114 Pentachloroethane	167	12.947	12.941	0.006	91	17259	4.00	3.73	
115 1,2,4-Trimethylbenzene	105	12.947	12.947	0.000	97	137358	4.00	4.03	
116 sec-Butylbenzene	105	13.068	13.069	-0.001	94	172191	4.00	4.09	
117 1,3-Dichlorobenzene	146	13.172	13.172	0.000	97	68147	4.00	4.00	
118 4-Isopropyltoluene	119	13.178	13.178	0.000	97	146070	4.00	4.05	
* 119 1,4-Dichlorobenzene-d4	152	13.226	13.227	-0.001	97	501594	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.245	13.245	0.000	94	68854	4.00	4.01	
121 1,2,3-Trimethylbenzene	105	13.257	13.251	0.006	98	142603	4.00	4.19	
122 Benzyl chloride	91	13.318	13.318	0.000	99	97006	4.00	3.96	
123 1,3-Diethylbenzene	119	13.378	13.379	-0.001	95	89713	4.00	4.05	
124 p-Diethylbenzene	119	13.451	13.452	-0.001	95	94166	4.00	4.07	
125 n-Butylbenzene	92	13.470	13.470	0.000	97	71835	4.00	3.95	
126 1,2-Dichlorobenzene	146	13.506	13.507	-0.001	97	64614	4.00	4.01	
127 o-diethylbenzene	119	13.524	13.525	-0.001	96	74040	4.00	4.05	
129 1,2-Dibromo-3-Chloropropane	75	14.048	14.048	0.000	85	10651	4.00	3.80	
130 1,3,5-Trichlorobenzene	180	14.175	14.176	-0.001	96	44290	4.00	3.90	
131 1,2,4-Trichlorobenzene	180	14.601	14.602	-0.001	94	40083	4.00	3.98	
132 Hexachlorobutadiene	225	14.686	14.681	0.005	98	15747	4.00	3.83	
133 Naphthalene	128	14.784	14.785	0.000	97	148904	4.00	4.02	
134 1,2,3-Trichlorobenzene	180	14.930	14.931	0.000	96	37167	4.00	3.93	
135 2-Methylnaphthalene	142	15.587	15.588	-0.001	93	80406	4.00	3.86	
S 144 Total Diethylbenzene	1				0			12.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_VCYC_00005	Amount Added:	32.00	Units: uL	
MSV_V_2CEVE_00120	Amount Added:	4.00	Units: uL	
MSV_V_VOA3_00054	Amount Added:	1.60	Units: uL	
MSV_V_VOA2_00057	Amount Added:	12.00	Units: uL	
MSV_V_VOA6_00060	Amount Added:	4.00	Units: uL	
MSV_V_ETOH_00008	Amount Added:	20.00	Units: uL	
MSV_DCFM_00054	Amount Added:	2.00	Units: uL	
MSV_V_VOA1_00108	Amount Added:	4.00	Units: uL	
MSV_V_Gas_00172	Amount Added:	2.00	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 09-Nov-2020 17:29:08 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I06.D

Injection Date: 09-Nov-2020 15:30:30 Instrument ID: 7159 Operator ID: DVV10203

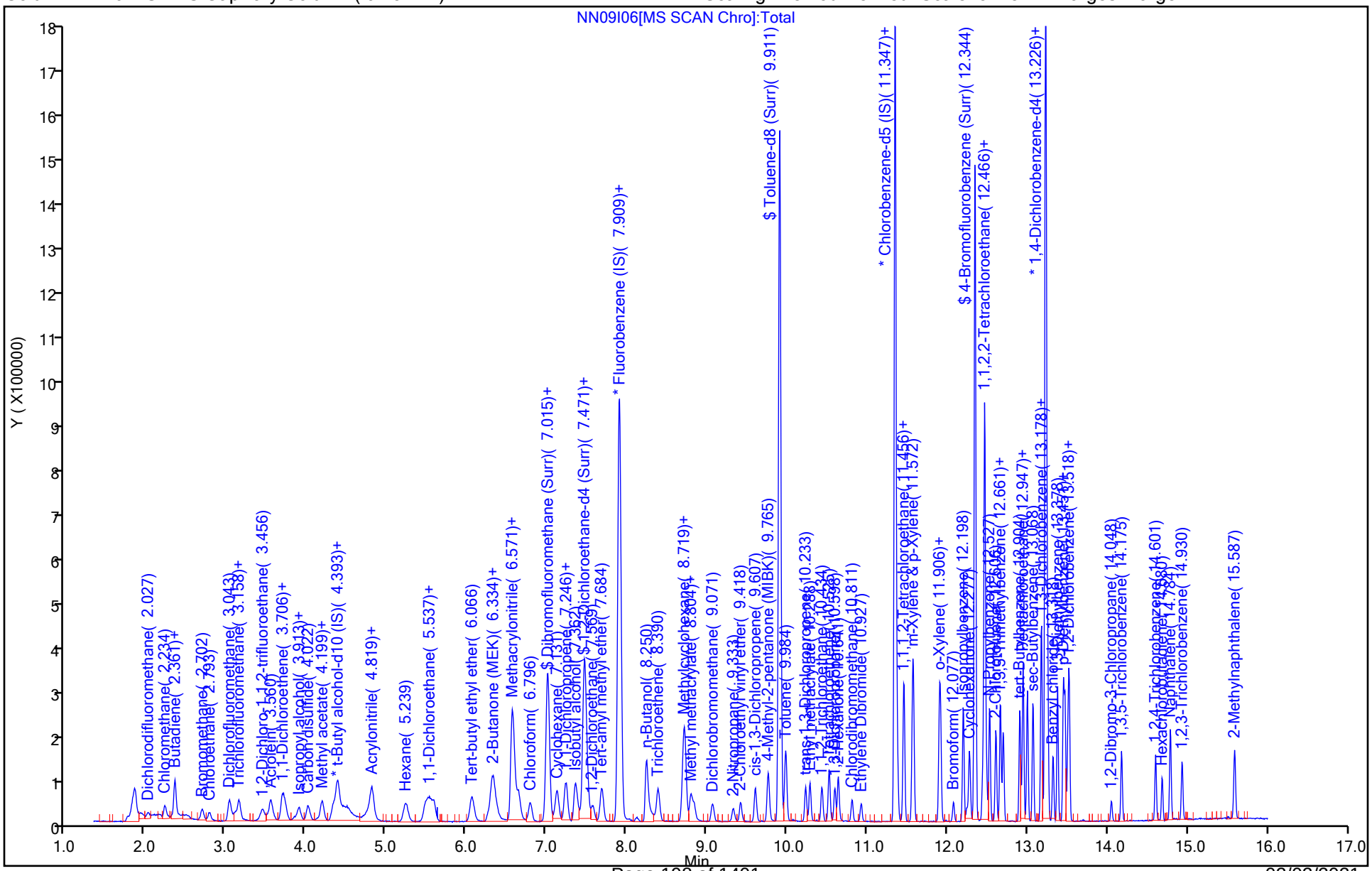
Lims ID: IC STD4 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

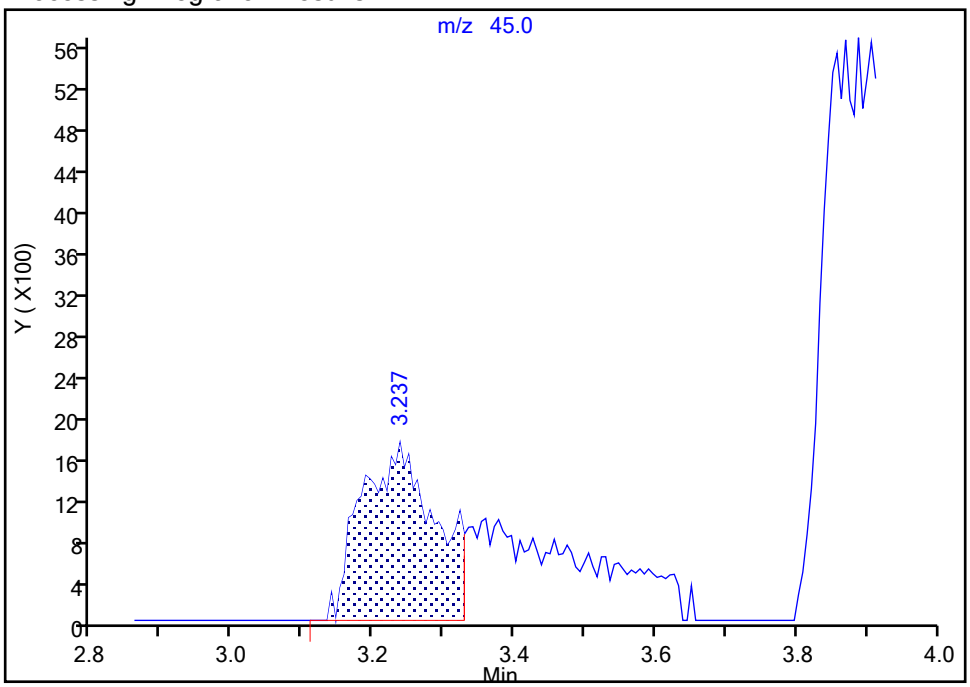
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Injection Date: 09-Nov-2020 15:30:30 Instrument ID: 7159
Lims ID: IC STD4
Client ID:
Operator ID: DVV10203 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

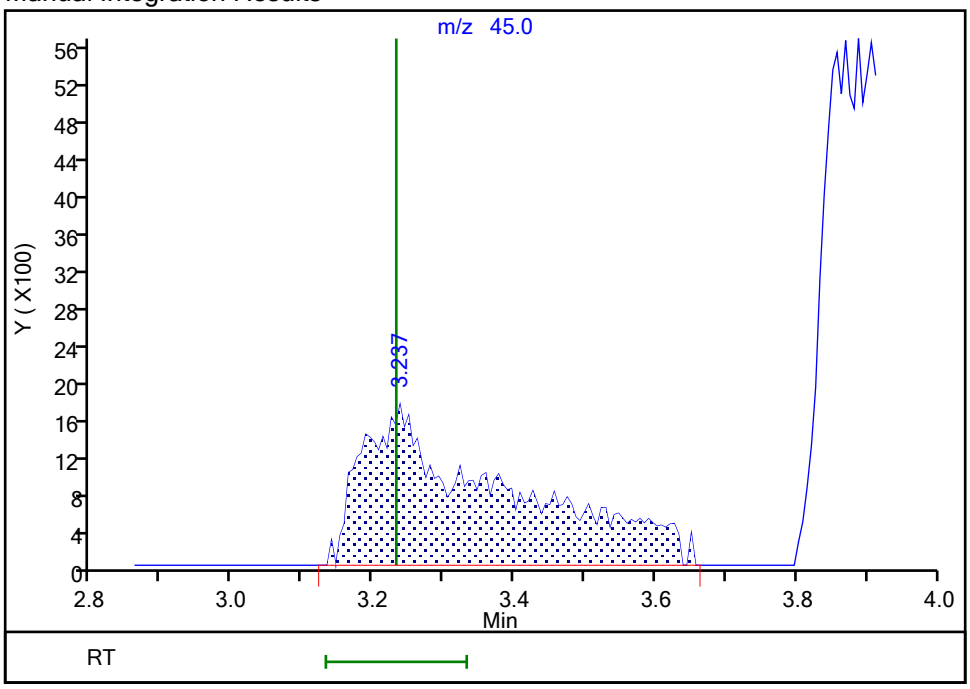
Processing Integration Results

RT: 3.24
Area: 12445
Amount: 158.2921
Amount Units: ug/l



Manual Integration Results

RT: 3.24
Area: 24017
Amount: 258.0591
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:51:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

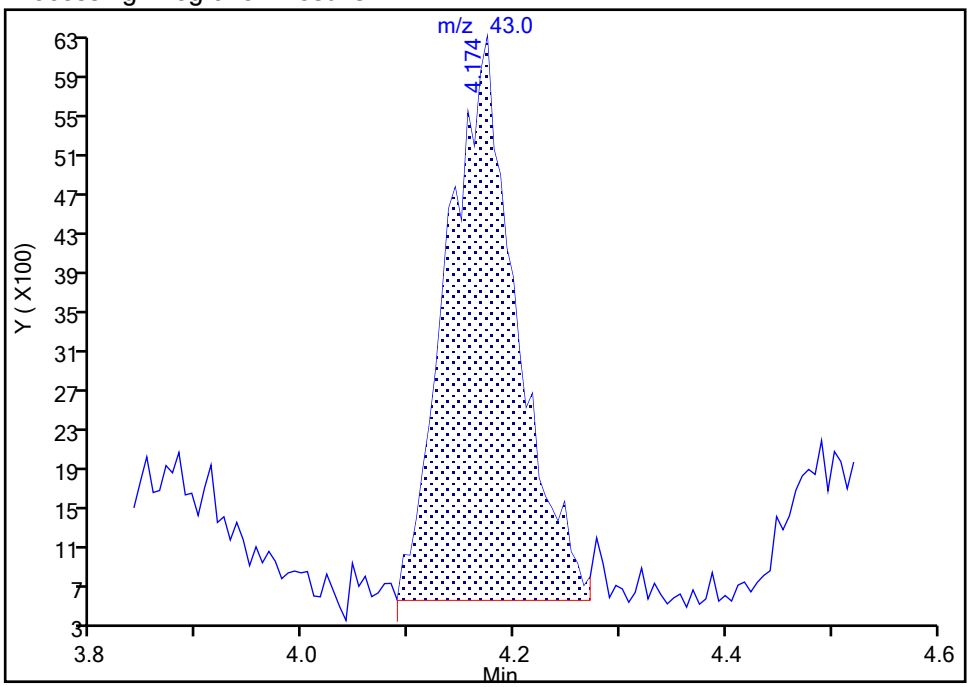
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Injection Date: 09-Nov-2020 15:30:30 Instrument ID: 7159
Lims ID: IC STD4
Client ID:
Operator ID: DVV10203 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

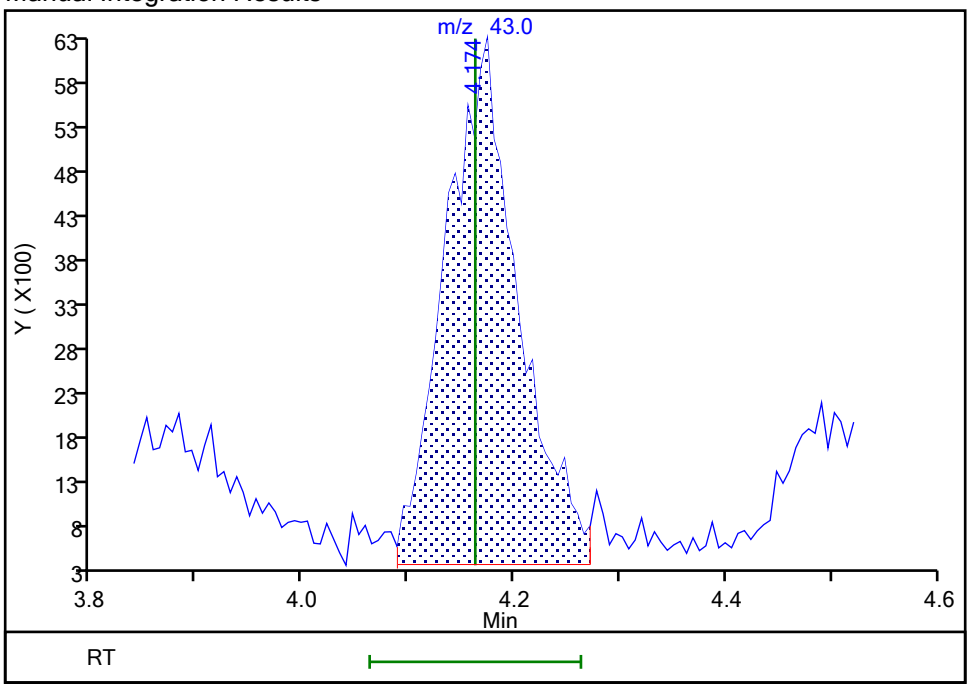
Processing Integration Results

RT: 4.17
Area: 25979
Amount: 4.882147
Amount Units: ug/l



Manual Integration Results

RT: 4.17
Area: 28174
Amount: 3.957814
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:51:42
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

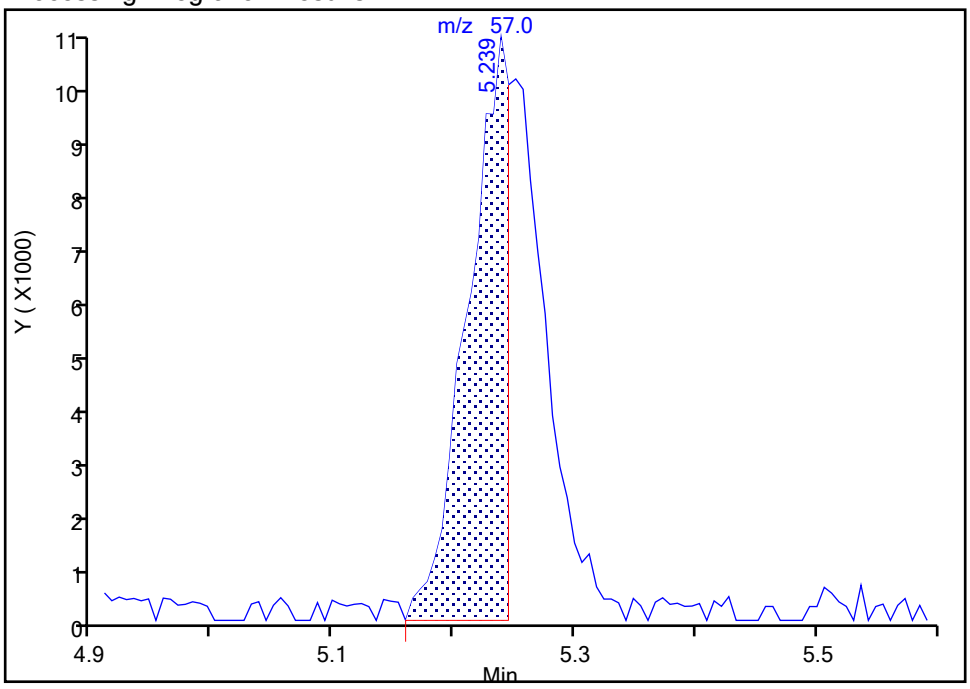
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Injection Date: 09-Nov-2020 15:30:30 Instrument ID: 7159
Lims ID: IC STD4
Client ID:
Operator ID: DVV10203 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

36 Hexane, CAS: 110-54-3

Signal: 1

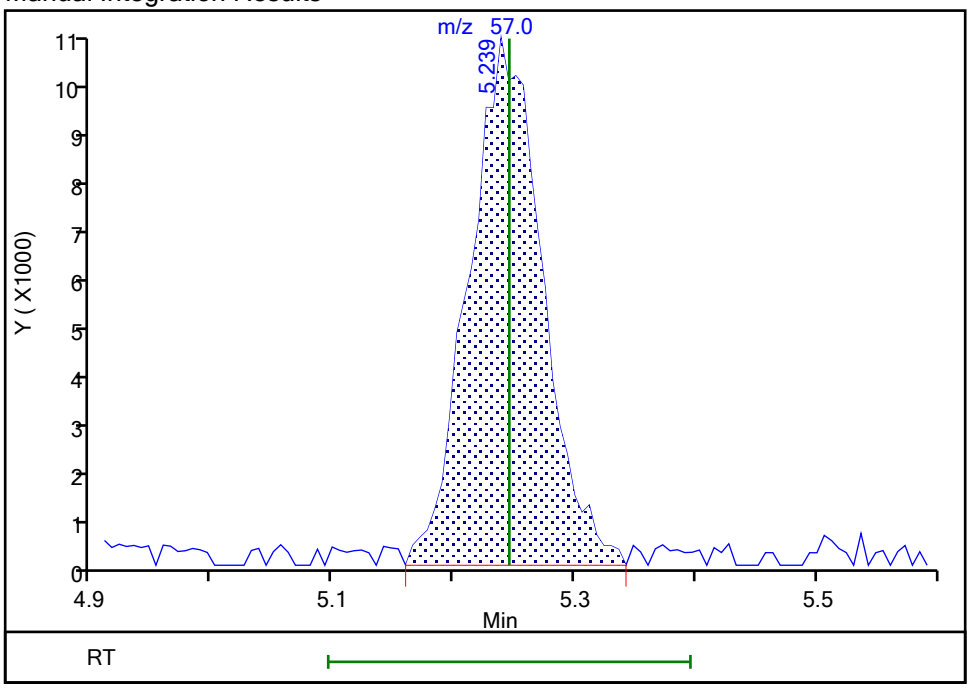
Processing Integration Results

RT: 5.24
Area: 26057
Amount: 2.352679
Amount Units: ug/l



Manual Integration Results

RT: 5.24
Area: 46378
Amount: 4.255778
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:51:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

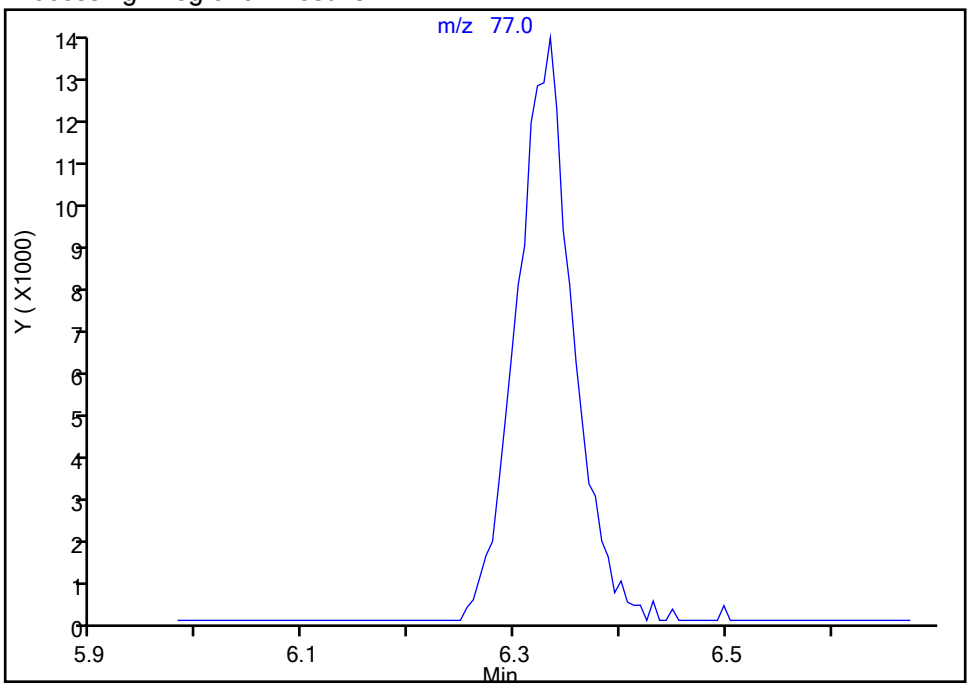
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Injection Date: 09-Nov-2020 15:30:30 Instrument ID: 7159
Lims ID: IC STD4
Client ID:
Operator ID: DVV10203 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

45 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

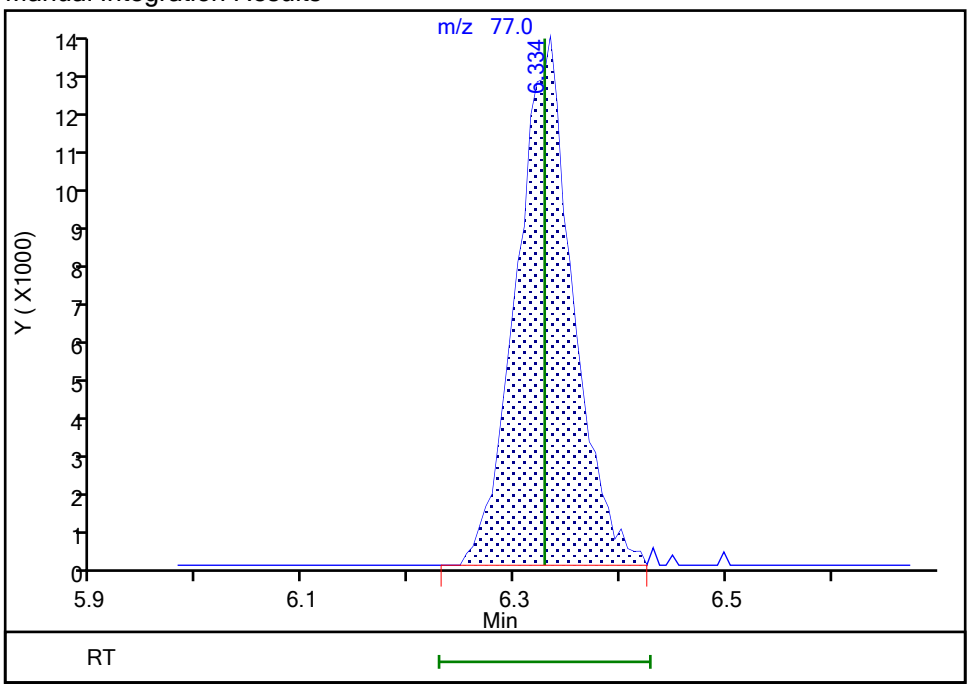
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 48764
Amount: 4.066850
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:52:08
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Lims ID: IC STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 09-Nov-2020 15:52:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC VSTD001
Misc. Info.: 410-0015005-009
Operator ID: DVV10203 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub5

Method: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 09-Nov-2020 17:29:19 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: greenl Date: 09-Nov-2020 16:56:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.006	2.027	-0.021	31	5345	1.00	0.7614	
6 Chloromethane	50	2.219	2.234	-0.015	99	9619	1.00	1.04	
8 Vinyl chloride	62	2.346	2.356	-0.010	87	7818	1.00	0.8754	
9 Butadiene	39	2.346	2.356	-0.010	85	11442	1.00	1.36	M
10 Bromomethane	94	2.681	2.697	-0.016	94	5538	1.00	0.8985	
11 Chloroethane	64	2.778	2.794	-0.016	79	5127	1.00	0.8896	
12 Dichlorofluoromethane	67	3.028	3.037	-0.009	96	13893	1.00	1.02	
13 Trichlorofluoromethane	101	3.107	3.110	-0.003	94	9399	1.00	0.8510	M
15 Pentane	43	3.149	3.159	-0.010	93	9530	1.00	0.8342	
16 Ethanol	45	3.271	3.232	0.039	38	6061	62.5	67.8	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.448	3.445	0.003	91	7746	1.00	0.9336	
18 Acrolein	56	3.539	3.548	-0.009	98	23674	10.0	10.5	
20 1,1-Dichloroethene	96	3.691	3.694	-0.003	96	5811	1.00	0.8956	M
21 Acetone	58	3.691	3.725	-0.034	32	1649	2.00	1.76	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.715	3.725	-0.010	58	4841	1.00	0.7635	
23 Isopropyl alcohol	45	3.886	3.877	0.009	51	12145	20.0	21.7	
24 Iodomethane	142	3.892	3.907	-0.015	96	9774	1.00	0.8772	M
25 Carbon disulfide	76	4.013	4.017	-0.004	99	19675	1.00	0.9098	
26 Methyl acetate	43	4.165	4.163	0.002	41	9438	1.00	1.31	M
27 3-Chloro-1-propene	41	4.190	4.193	-0.003	89	9860	1.00	0.9124	
* 29 t-Butyl alcohol-d10 (IS)	65	4.366	4.376	-0.010	0	306092	250.0	250.0	
28 Methylene Chloride	84	4.378	4.388	-0.010	88	6966	1.00	0.9413	
31 2-Methyl-2-propanol	59	4.506	4.516	-0.010	98	24233	20.0	20.0	
32 Acrylonitrile	53	4.756	4.729	0.027	26	3317	1.00	0.8756	M
33 Methyl tert-butyl ether	73	4.792	4.802	-0.010	95	23112	1.00	0.9797	
34 trans-1,2-Dichloroethene	96	4.798	4.826	-0.028	94	6482	1.00	0.8779	
36 Hexane	57	5.236	5.246	-0.010	89	9143	1.00	0.8265	M
37 1,1-Dichloroethane	63	5.473	5.477	-0.004	76	11836	1.00	0.8919	
39 Isopropyl ether	45	5.522	5.532	-0.010	96	22765	1.00	0.9858	
40 2-Chloro-1,3-butadiene	53	5.583	5.586	-0.003	91	10659	1.00	0.8713	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.063	6.067	-0.004	97	23836	1.00	1.01	
S 42 1,2-Dichloroethene, Total	100				0			1.86	
43 2-Butanone (MEK)	43	6.276	6.262	0.014	21	14382	2.00	2.71	M
44 cis-1,2-Dichloroethene	96	6.307	6.310	-0.003	81	8347	1.00	0.9784	
45 2,2-Dichloropropane	77	6.313	6.328	-0.015	81	11060	1.00	0.9086	
46 Propionitrile	54	6.349	6.347	0.002	98	28215	20.0	19.2	
47 Methacrylonitrile	67	6.568	6.572	-0.004	88	42205	10.0	9.79	
48 Chlorobromomethane	128	6.635	6.645	-0.010	89	3763	1.00	0.9532	M
49 Tetrahydrofuran	71	6.660	6.651	0.009	66	4275	2.00	2.68	
50 Chloroform	83	6.787	6.791	-0.004	94	12742	1.00	0.9709	
$ 51 Dibromofluoromethane (Surr)	113	7.006	7.010	-0.004	93	299508	50.0	49.3	
52 1,1,1-Trichloroethane	97	7.031	7.022	0.009	96	11231	1.00	0.9476	
54 Cyclohexane	56	7.116	7.132	-0.016	87	11649	1.00	0.8765	
56 1,1-Dichloropropene	75	7.238	7.241	-0.003	94	9445	1.00	0.8738	
55 Carbon tetrachloride	117	7.231	7.241	-0.010	90	8439	1.00	0.8675	
58 Isobutyl alcohol	41	7.359	7.357	0.002	94	19332	50.0	48.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.466	-0.003	97	81793	50.0	49.9	
60 Benzene	78	7.505	7.503	0.002	64	28911	1.00	0.9167	
61 1,2-Dichloroethane	62	7.566	7.576	-0.010	60	11346	1.00	1.07	
62 Tert-amyl methyl ether	73	7.682	7.685	-0.003	97	22896	1.00	0.9741	
* 64 Fluorobenzene (IS)	96	7.901	7.910	-0.009	99	1310267	50.0	50.0	
65 n-Heptane	43	7.907	7.916	-0.009	36	11379	1.00	1.04	
66 n-Butanol	56	8.247	8.245	0.002	87	36747	100.0	99.6	
67 Trichloroethene	95	8.387	8.391	-0.004	98	7239	1.00	0.9049	
68 Methylcyclohexane	83	8.704	8.701	0.003	90	12769	1.00	0.8779	
70 1,2-Dichloropropane	63	8.722	8.725	-0.003	68	7091	1.00	0.8959	
69 2-ethoxy-2-methyl butane	87	8.722	8.725	-0.003	90	11514	1.00	0.9148	
71 Methyl methacrylate	69	8.795	8.798	-0.003	91	8577	1.00	1.12	
72 1,4-Dioxane	88	8.801	8.811	-0.010	25	3900	50.0	48.4	M
74 Dibromomethane	93	8.838	8.841	-0.003	90	4457	1.00	0.9433	
75 Dichlorobromomethane	83	9.069	9.072	-0.003	98	9737	1.00	0.9682	
77 2-Nitropropane	41	9.330	9.328	0.002	98	6090	2.00	2.01	
78 2-Chloroethyl vinyl ether	63	9.428	9.419	0.009	91	5698	1.00	0.9489	
79 cis-1,3-Dichloropropene	75	9.604	9.607	-0.003	95	12385	1.00	0.9347	
80 4-Methyl-2-pentanone (MIBK)	43	9.762	9.766	-0.004	94	21560	2.00	2.01	
$ 81 Toluene-d8 (Surr)	98	9.908	9.906	0.002	94	1326021	50.0	50.1	
82 Toluene	92	9.987	9.985	0.002	98	19177	1.00	0.9339	
S 83 1,3-Dichloropropene, Total	100				0			1.91	
84 trans-1,3-Dichloropropene	75	10.231	10.234	-0.003	91	11779	1.00	0.9720	
85 Ethyl methacrylate	69	10.285	10.289	-0.004	87	12325	1.00	0.9804	
86 1,1,2-Trichloroethane	97	10.437	10.435	0.002	88	7493	1.00	1.05	
87 Tetrachloroethene	166	10.523	10.526	-0.003	89	8071	1.00	0.8833	
88 1,3-Dichloropropane	76	10.602	10.599	0.003	86	12397	1.00	1.00	
89 2-Hexanone	43	10.644	10.642	0.002	93	17738	2.00	2.13	
90 Chlorodibromomethane	129	10.809	10.812	-0.003	90	6716	1.00	0.8963	
91 Ethylene Dibromide	107	10.924	10.928	-0.004	96	6910	1.00	0.9348	
S 92 Xylenes, Total	106				0			2.76	
* 93 Chlorobenzene-d5 (IS)	117	11.350	11.347	0.003	87	987570	50.0	50.0	
94 1-Chlorohexane	91	11.350	11.353	-0.003	46	11820	1.00	0.9717	
95 Chlorobenzene	112	11.374	11.378	-0.004	96	20748	1.00	0.9341	
96 1,1,1,2-Tetrachloroethane	131	11.459	11.457	0.002	88	6826	1.00	0.9066	
97 Ethylbenzene	91	11.459	11.457	0.002	98	36590	1.00	0.9206	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.575	11.572	0.003	99	28896	2.00	1.85	
99 o-Xylene	106	11.904	11.901	0.003	96	13750	1.00	0.9069	
100 Styrene	104	11.916	11.919	-0.003	96	23540	1.00	0.9180	
101 Bromoform	173	12.080	12.077	0.003	92	4693	1.00	0.8969	
102 Isopropylbenzene	105	12.202	12.199	0.003	95	37809	1.00	0.9321	
103 Cyclohexanone	55	12.281	12.278	0.003	91	17689	50.0	53.7	
$ 104 4-Bromofluorobenzene (Surr)	95	12.348	12.345	0.003	86	515822	50.0	49.9	
105 1,1,2,2-Tetrachloroethane	83	12.445	12.442	0.003	93	10789	1.00	0.9714	
106 Bromobenzene	156	12.463	12.467	-0.004	62	8734	1.00	0.9731	
107 trans-1,4-Dichloro-2-butene	53	12.463	12.467	-0.004	94	38836	10.0	9.91	
108 1,2,3-Trichloropropane	110	12.488	12.491	-0.003	72	3558	1.00	1.02	
109 N-Propylbenzene	91	12.530	12.528	0.002	99	44179	1.00	0.9383	
110 2-Chlorotoluene	126	12.609	12.607	0.002	95	7509	1.00	0.8172	
111 1,3,5-Trimethylbenzene	105	12.664	12.661	0.003	93	31803	1.00	0.9238	
112 4-Chlorotoluene	126	12.701	12.698	0.003	97	8971	1.00	0.9428	
113 tert-Butylbenzene	134	12.907	12.905	0.002	93	6627	1.00	0.8974	
114 Pentachloroethane	167	12.938	12.941	-0.003	87	4632	1.00	0.9737	
115 1,2,4-Trimethylbenzene	105	12.950	12.947	0.003	96	32446	1.00	0.9242	
116 sec-Butylbenzene	105	13.072	13.069	0.003	94	39232	1.00	0.9044	
117 1,3-Dichlorobenzene	146	13.175	13.172	0.003	95	16295	1.00	0.9301	
118 4-Isopropyltoluene	119	13.175	13.178	-0.003	96	32865	1.00	0.8863	
* 119 1,4-Dichlorobenzene-d4	152	13.230	13.227	0.003	96	516308	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.248	13.245	0.003	91	16520	1.00	0.9345	
121 1,2,3-Trimethylbenzene	105	13.254	13.251	0.003	97	33244	1.00	0.9496	
122 Benzyl chloride	91	13.321	13.318	0.003	98	23891	1.00	0.9485	
123 1,3-Diethylbenzene	119	13.376	13.379	-0.003	97	21521	1.00	0.9436	
124 p-Diethylbenzene	119	13.449	13.452	-0.003	96	22655	1.00	0.9510	
125 n-Butylbenzene	92	13.473	13.470	0.003	98	16354	1.00	0.8747	
126 1,2-Dichlorobenzene	146	13.510	13.507	0.003	97	16096	1.00	0.9704	
127 o-diethylbenzene	119	13.522	13.525	-0.003	95	17859	1.00	0.9487	
129 1,2-Dibromo-3-Chloropropane	75	14.051	14.048	0.003	79	2965	1.00	1.03	
130 1,3,5-Trichlorobenzene	180	14.179	14.176	0.003	95	10879	1.00	0.9306	
131 1,2,4-Trichlorobenzene	180	14.605	14.602	0.003	92	9703	1.00	0.9358	
132 Hexachlorobutadiene	225	14.684	14.681	0.003	95	3921	1.00	0.9268	
133 Naphthalene	128	14.787	14.785	0.003	97	38900	1.00	1.02	
134 1,2,3-Trichlorobenzene	180	14.933	14.931	0.003	94	9341	1.00	0.9586	
135 2-Methylnaphthalene	142	15.590	15.588	0.002	92	22074	1.00	1.03	
S 144 Total Diethylbenzene	1				0			2.84	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppbEtOH_00112	Amount Added: 12.50	Units: mL	
MSV_HP11_ISSS_00005	Amount Added: 5.00	Units: uL	Run Reagent

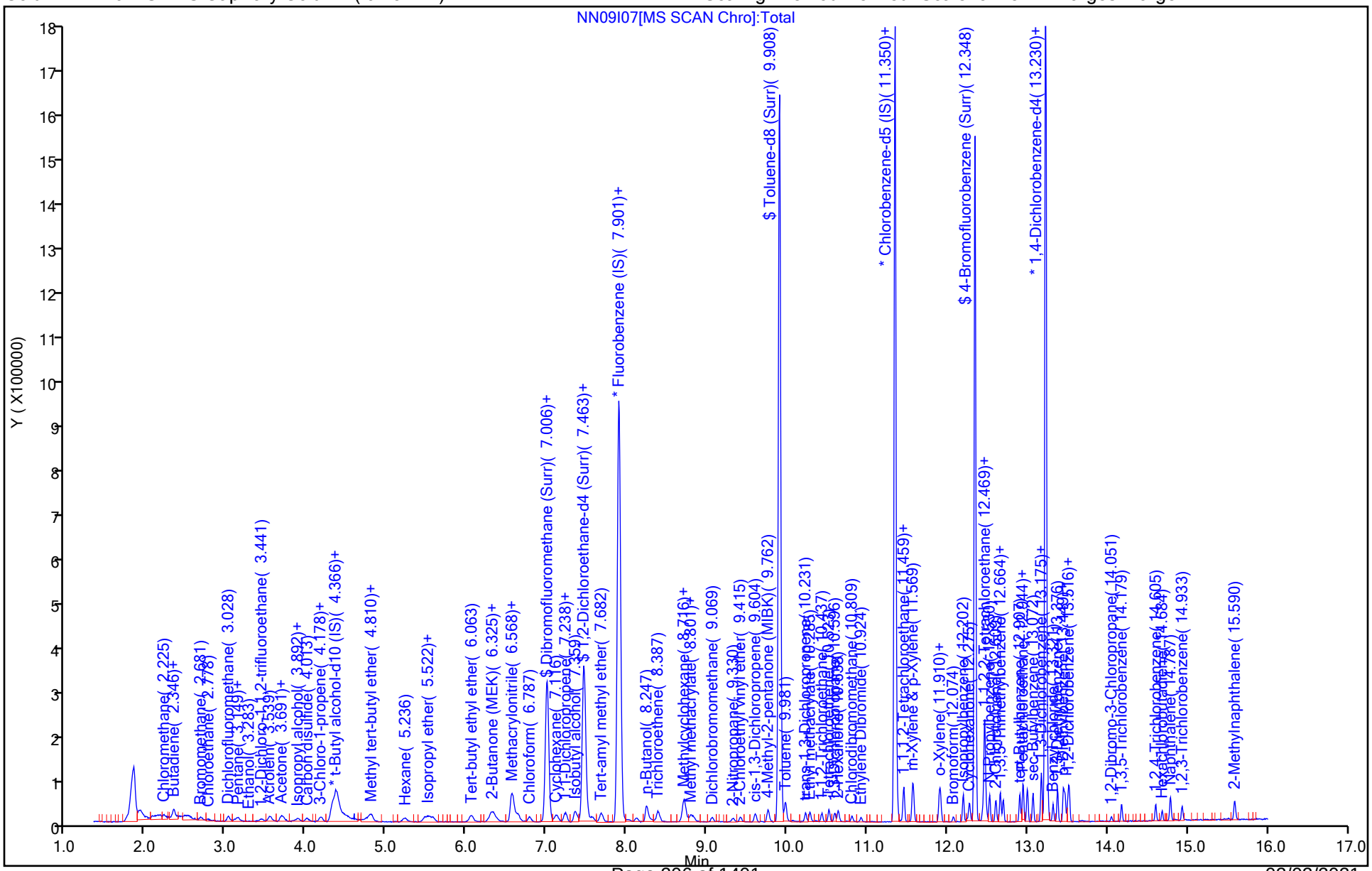
Report Date: 09-Nov-2020 17:29:20 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Injection Date:	09-Nov-2020 15:52:30	Instrument ID:	7159	Operator ID:	DVV10203
Lims ID:	IC STD1			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

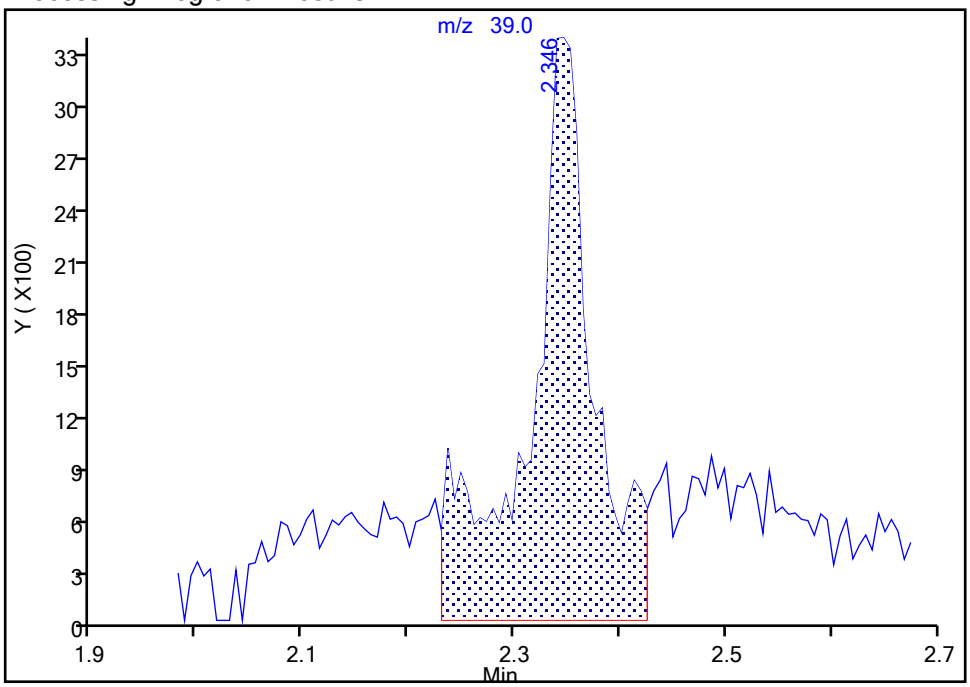
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Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

9 Butadiene, CAS: 106-99-0

Signal: 1

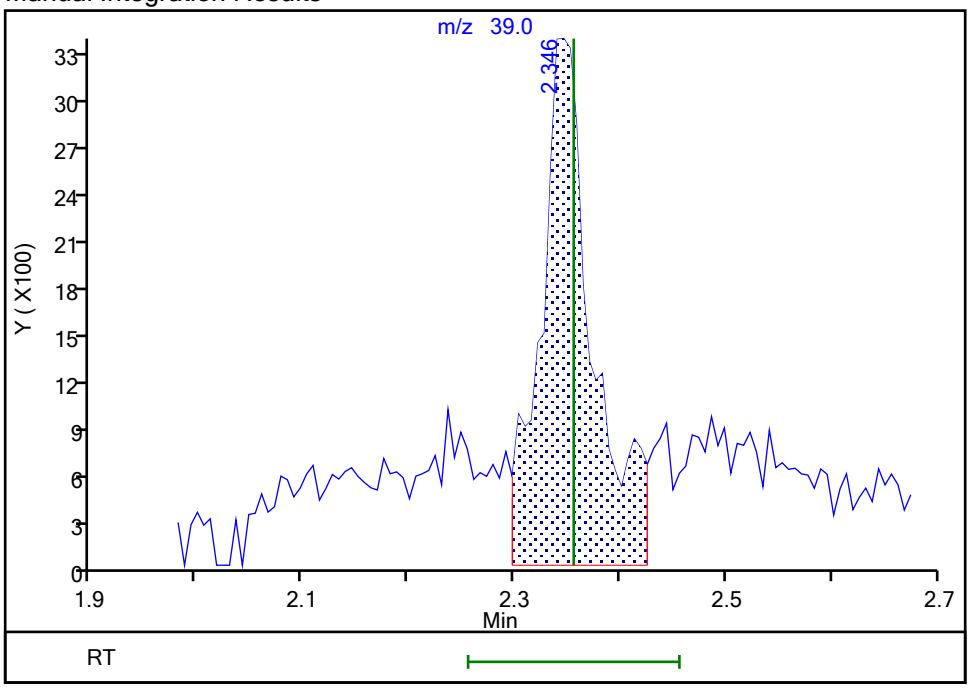
Processing Integration Results

RT: 2.35
Area: 14109
Amount: 0.307641
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 11442
Amount: 1.361243
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:53:18
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

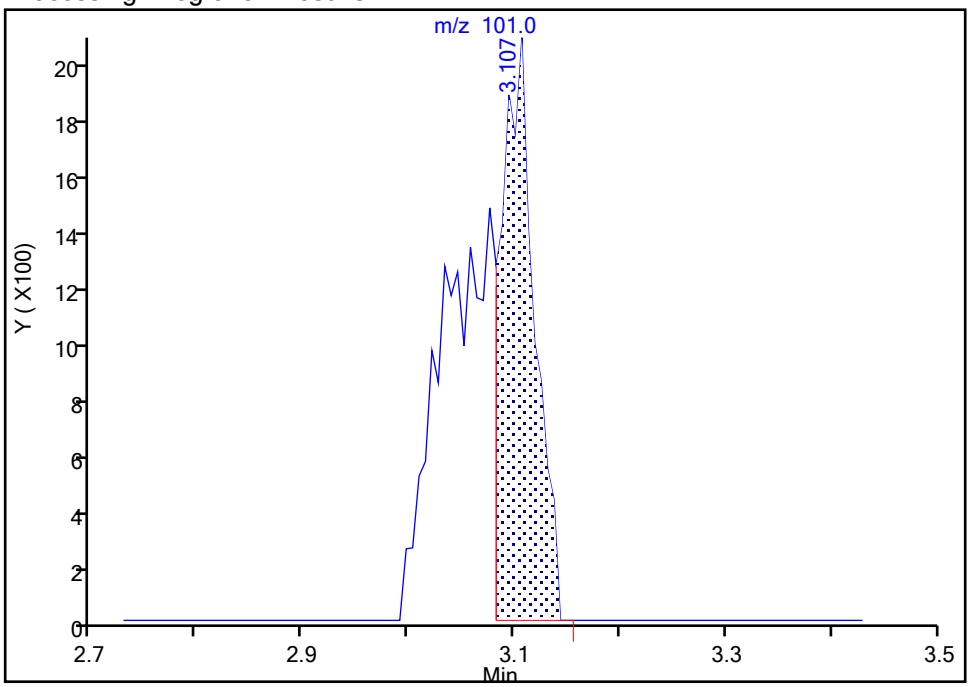
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

13 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

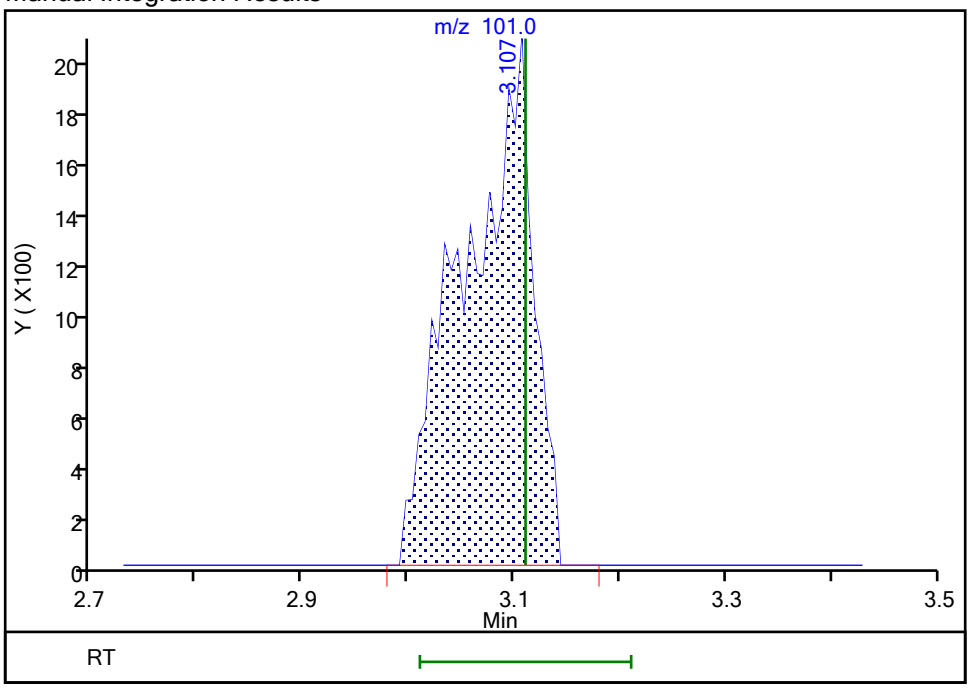
Processing Integration Results

RT: 3.11
Area: 4594
Amount: 0.970546
Amount Units: ug/l



Manual Integration Results

RT: 3.11
Area: 9399
Amount: 0.850977
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:53:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

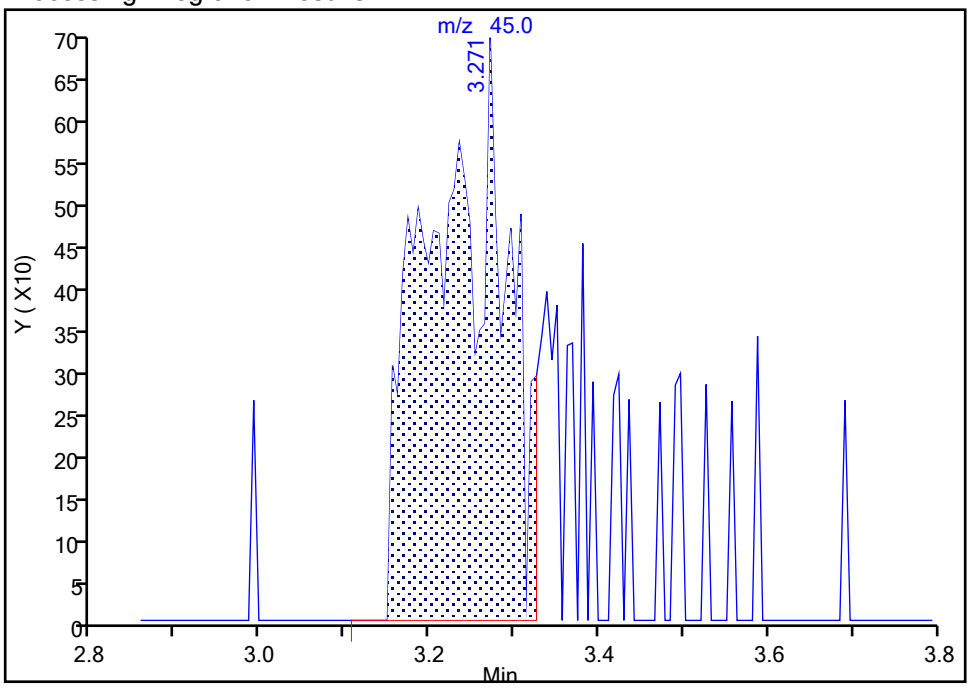
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

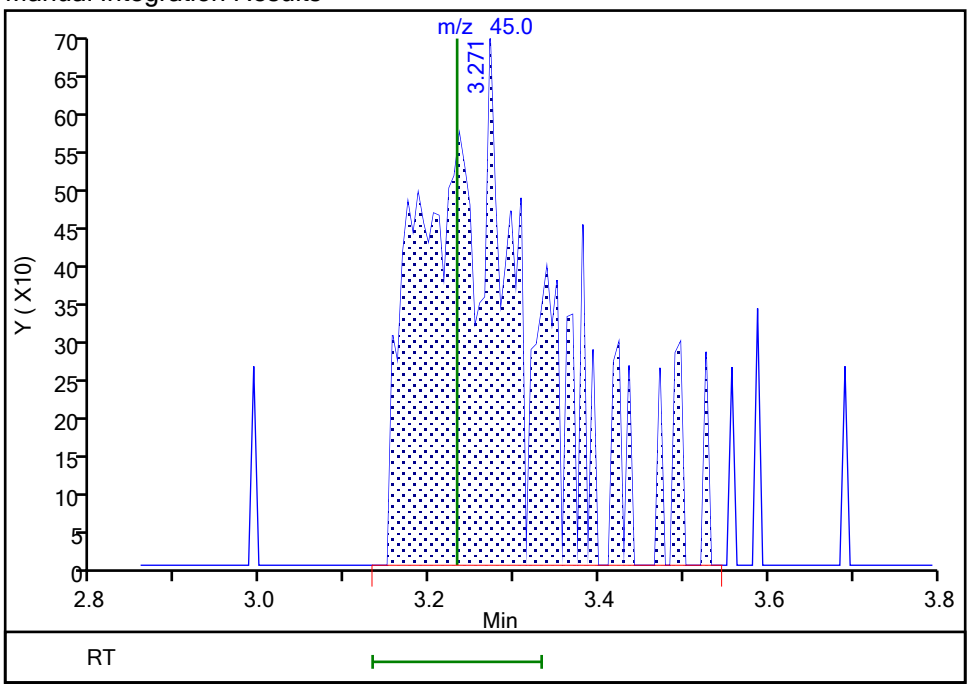
Processing Integration Results

RT: 3.27
Area: 4336
Amount: 50.743533
Amount Units: ug/l



Manual Integration Results

RT: 3.27
Area: 6061
Amount: 67.802152
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:54:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

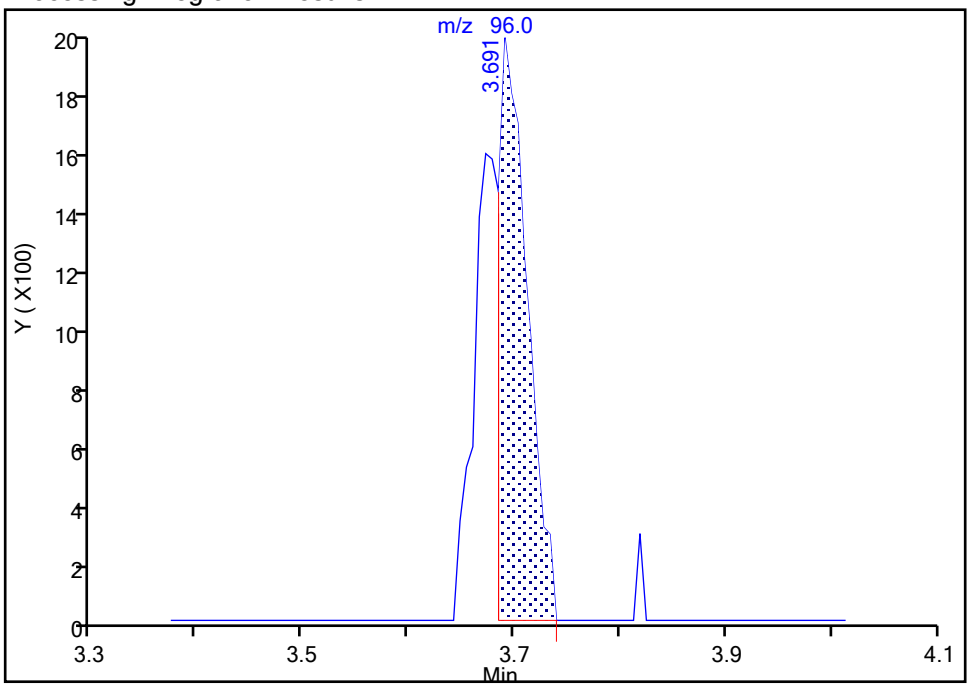
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

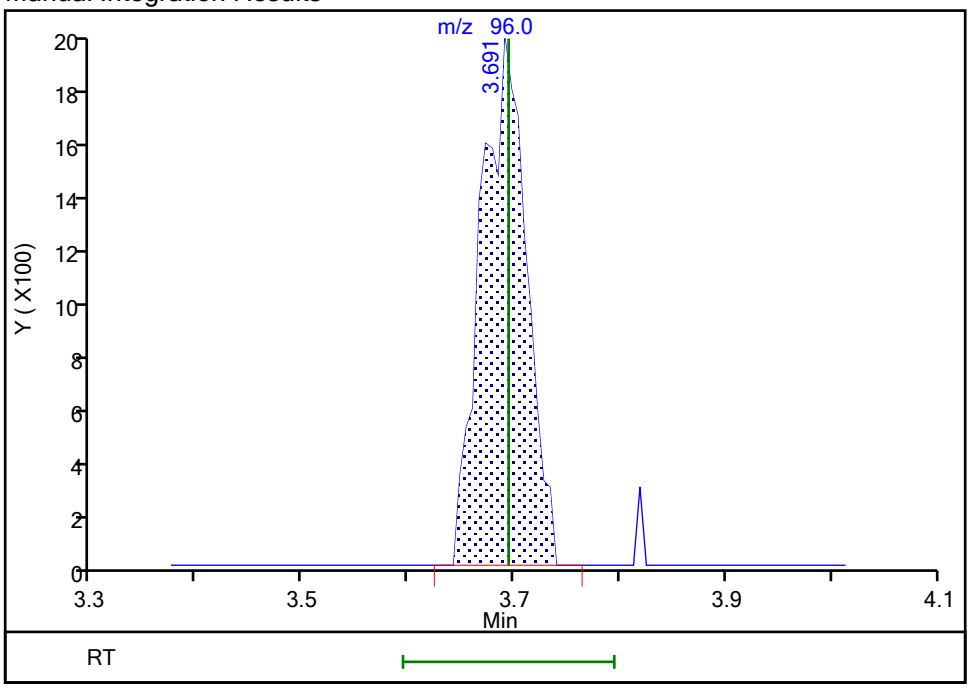
Processing Integration Results

RT: 3.69
Area: 3680
Amount: 0.595119
Amount Units: ug/l



Manual Integration Results

RT: 3.69
Area: 5811
Amount: 0.895645
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:54:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

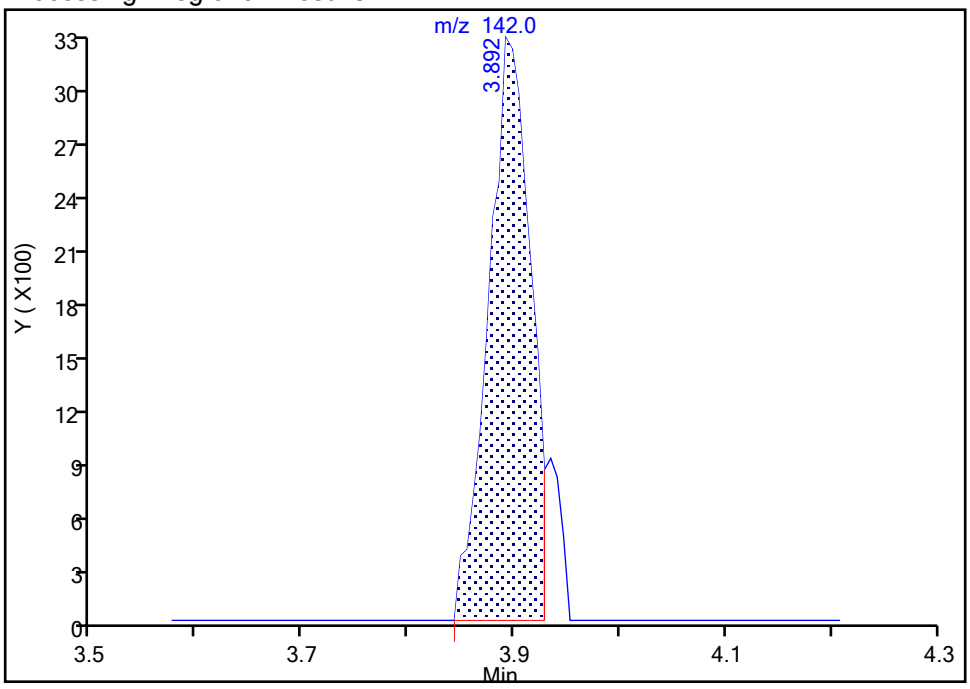
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

24 Iodomethane, CAS: 74-88-4

Signal: 1

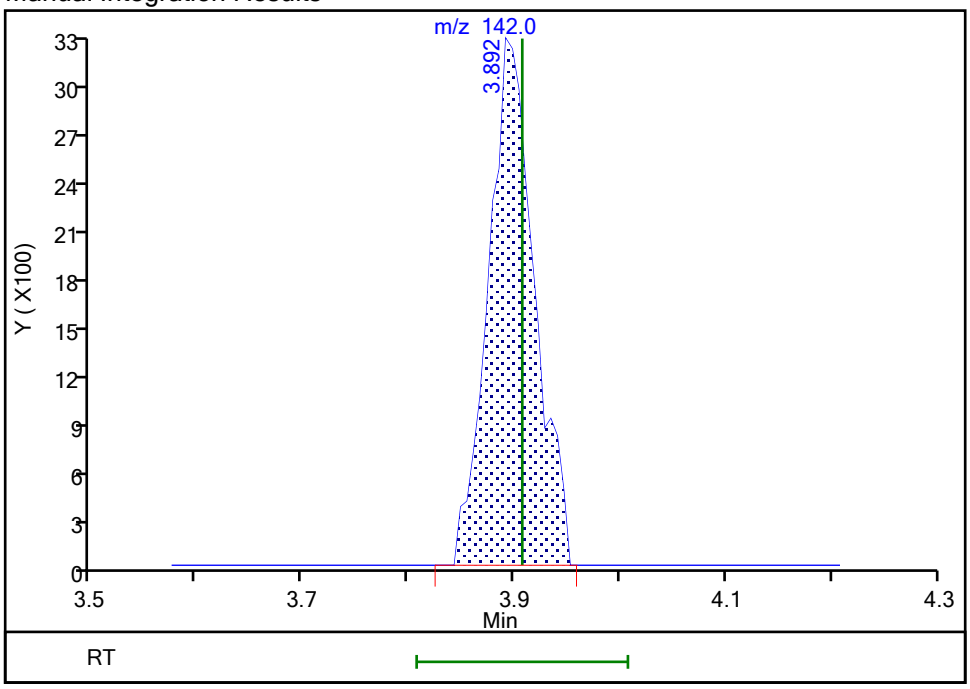
Processing Integration Results

RT: 3.89
Area: 8988
Amount: 0.814900
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Area: 9774
Amount: 0.877232
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:54:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

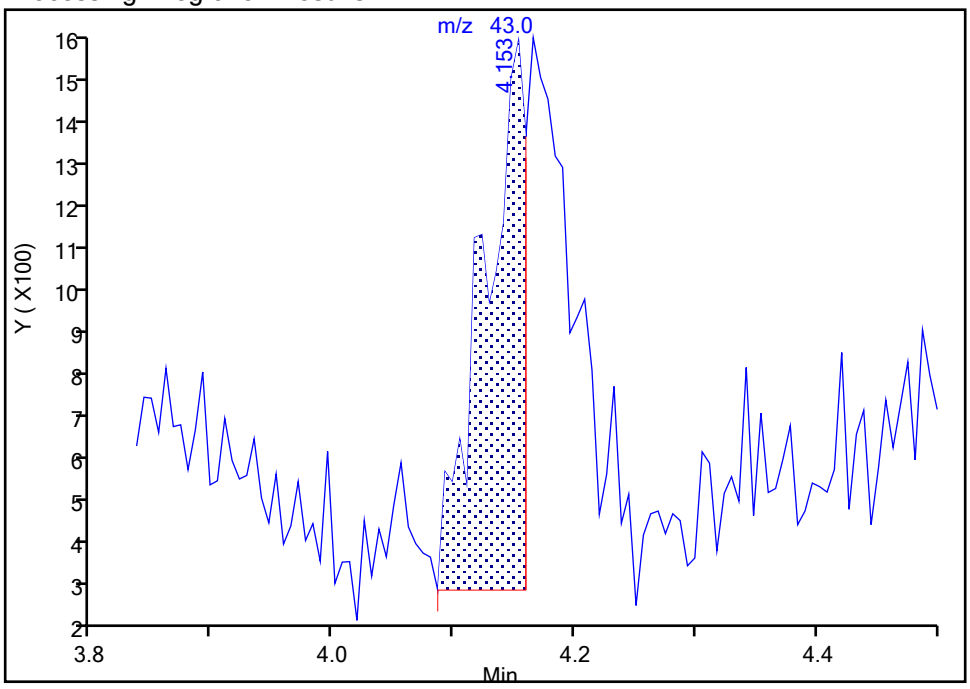
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

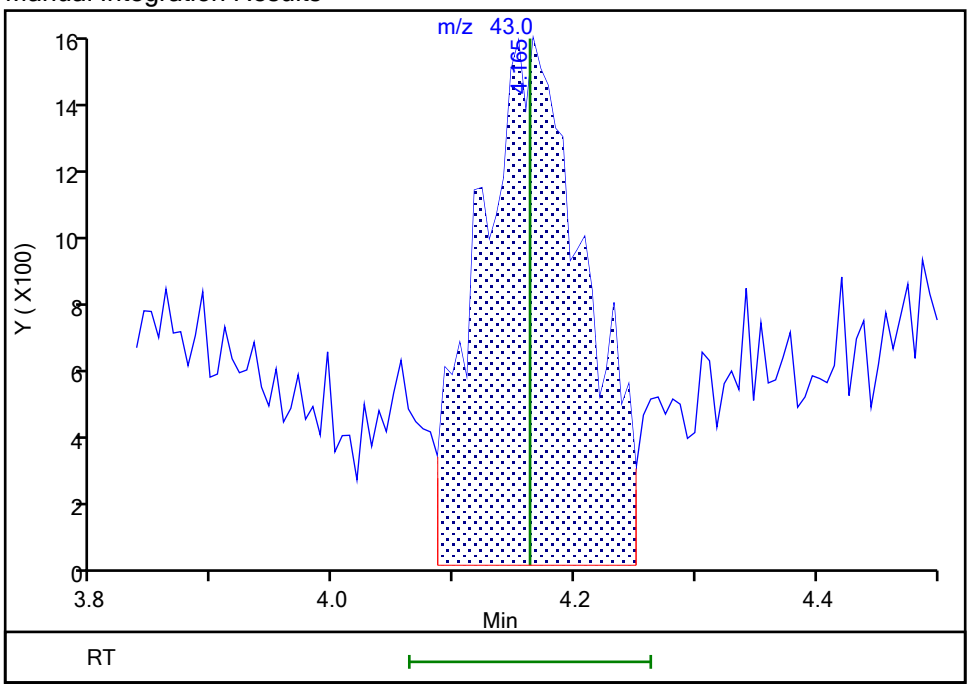
Processing Integration Results

RT: 4.15
Area: 2968
Amount: 1.513579
Amount Units: ug/l



Manual Integration Results

RT: 4.17
Area: 9438
Amount: 1.306048
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:54:58
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

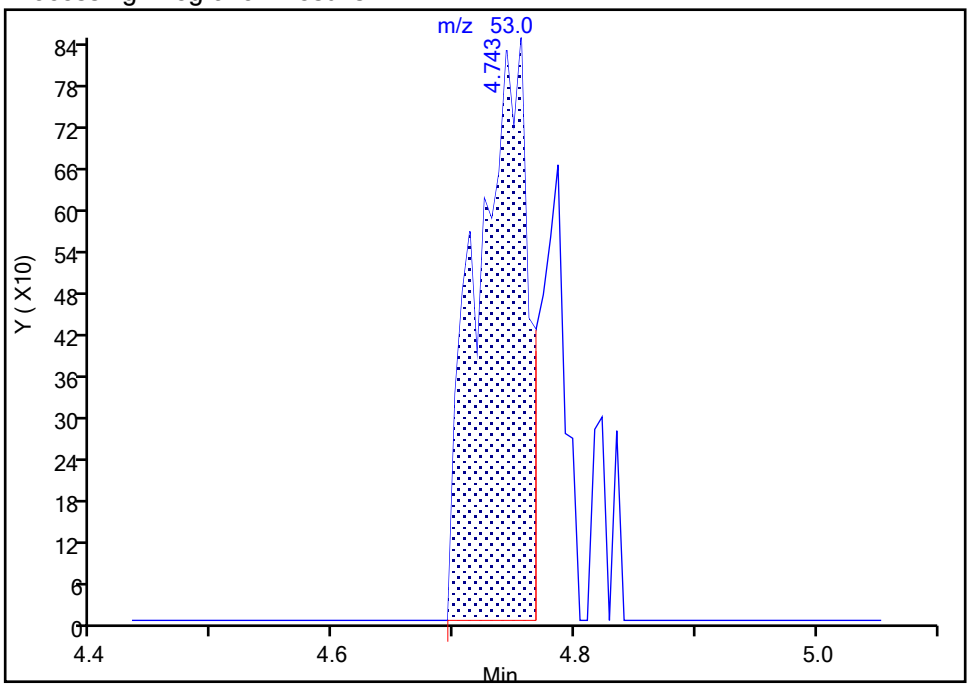
Data File:	\\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D				
Injection Date:	09-Nov-2020 15:52:30	Instrument ID:	7159		
Lims ID:	IC STD1				
Client ID:					
Operator ID:	DVV10203	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

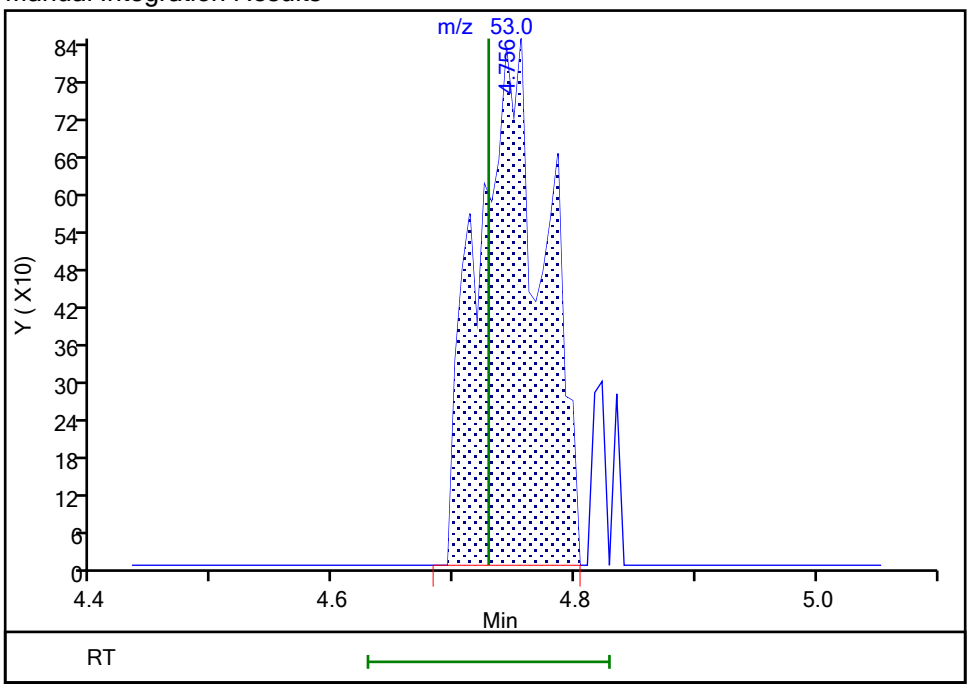
Processing Integration Results

RT: 4.74
Area: 2503
Amount: 0.681648
Amount Units: ug/l



Manual Integration Results

RT: 4.76
Area: 3317
Amount: 0.875598
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:55:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

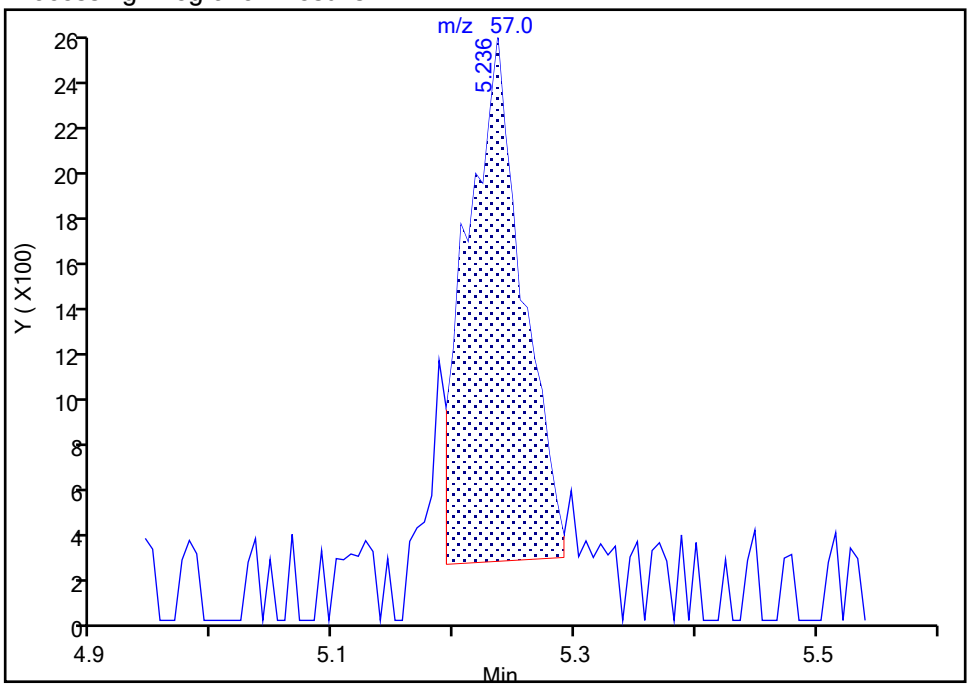
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

36 Hexane, CAS: 110-54-3

Signal: 1

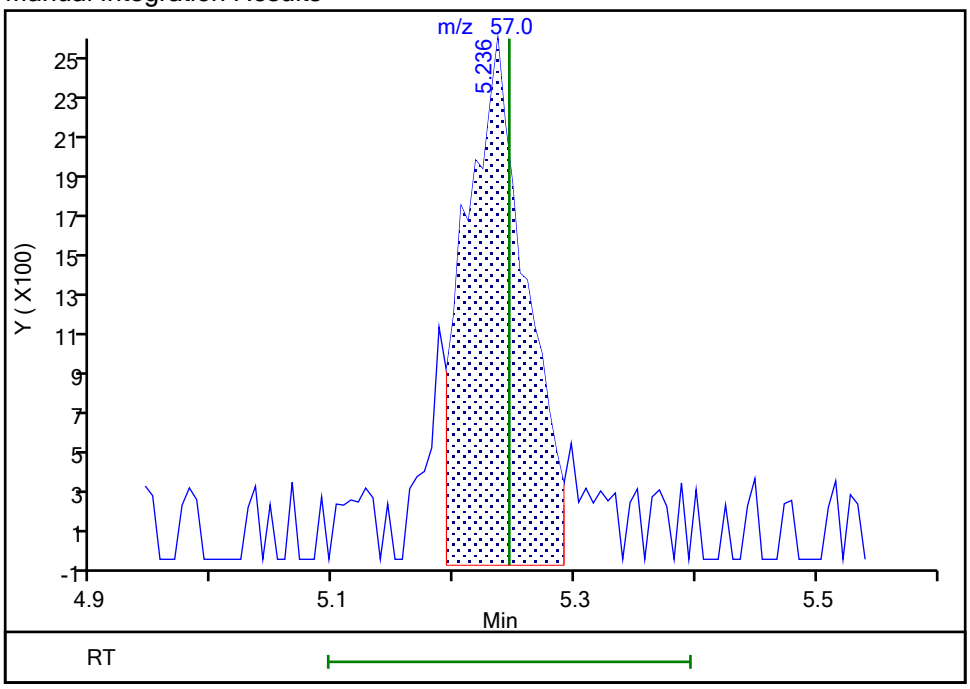
Processing Integration Results

RT: 5.24
Area: 7356
Amount: 0.330567
Amount Units: ug/l



Manual Integration Results

RT: 5.24
Area: 9143
Amount: 0.826472
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:55:21
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

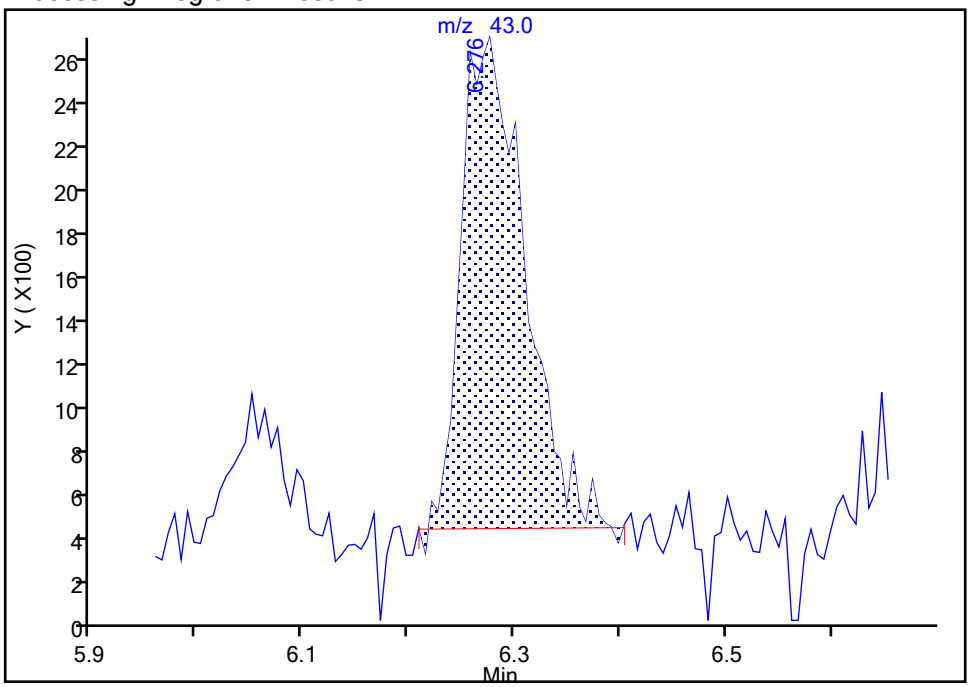
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

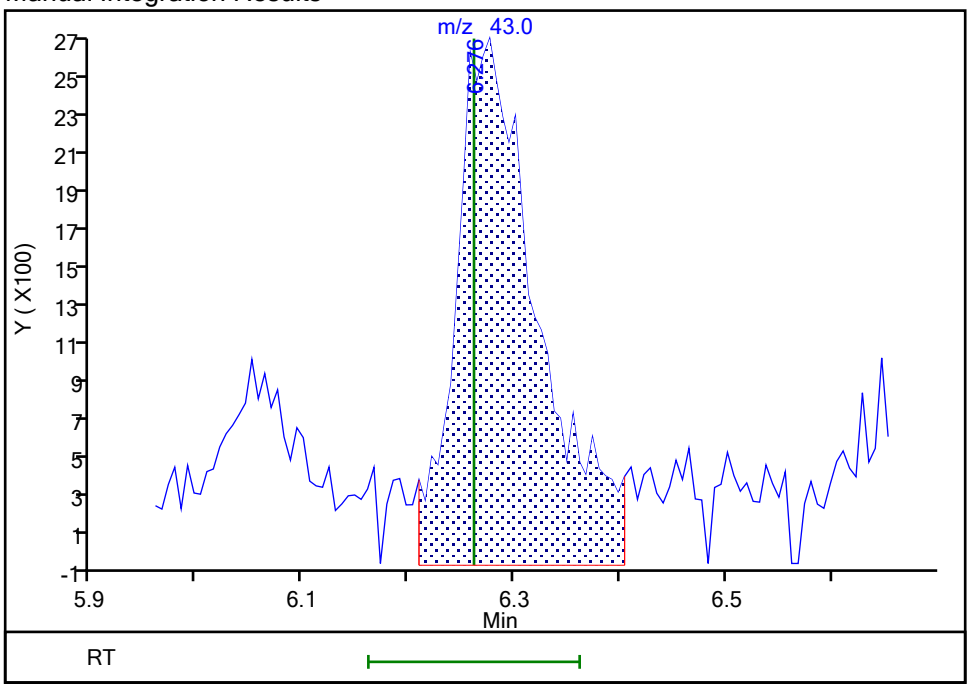
Processing Integration Results

RT: 6.28
Area: 9245
Amount: 1.870452
Amount Units: ug/l



Manual Integration Results

RT: 6.28
Area: 14382
Amount: 2.708687
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:55:34
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

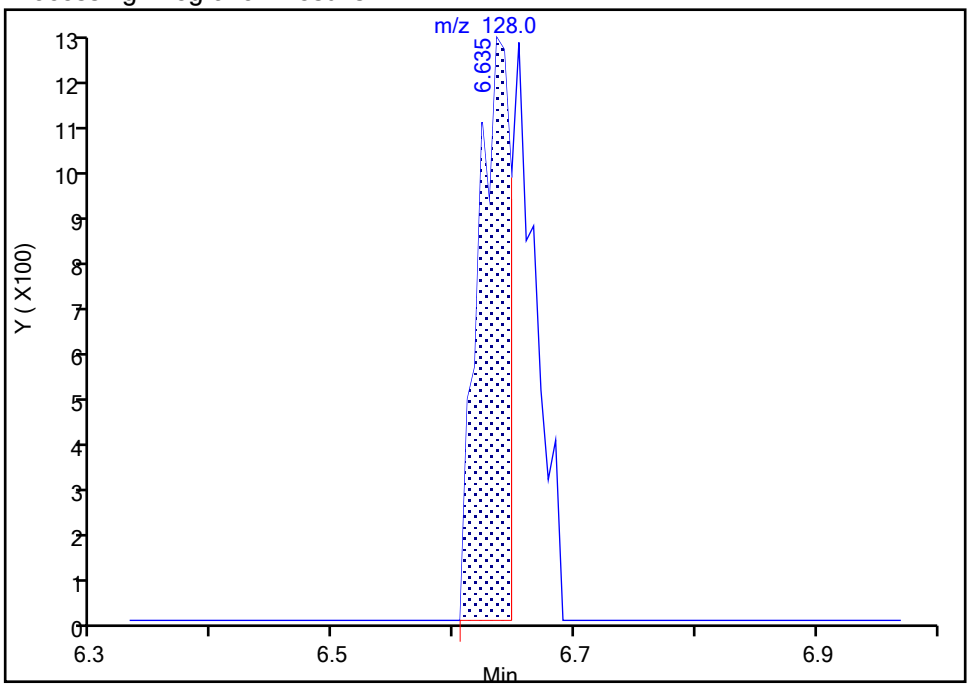
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Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

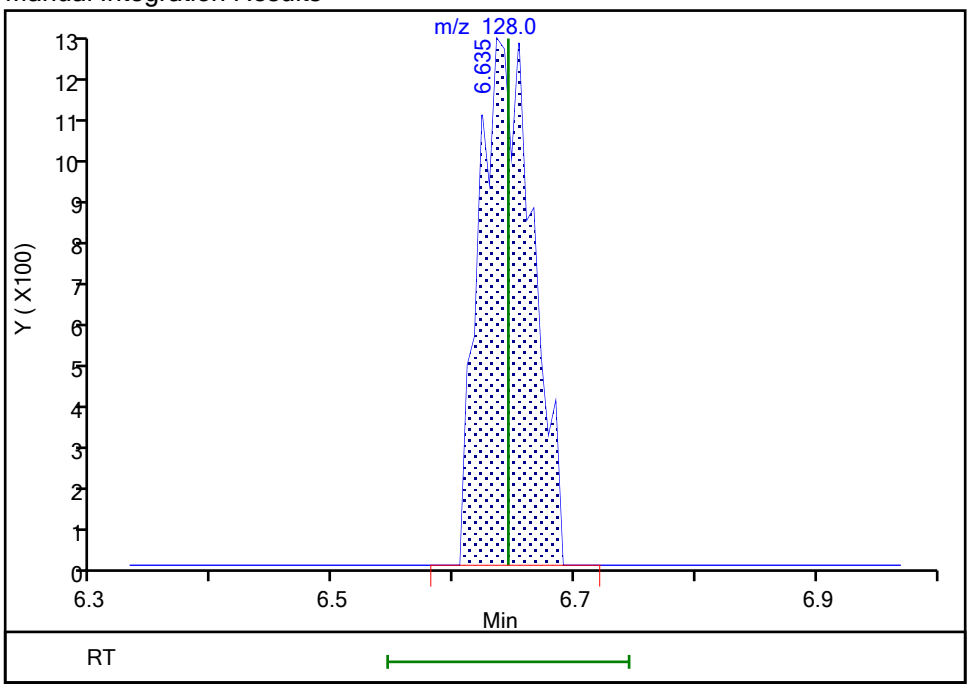
Processing Integration Results

RT: 6.64
Area: 2297
Amount: 0.981644
Amount Units: ug/l



Manual Integration Results

RT: 6.64
Area: 3763
Amount: 0.953187
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:55:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

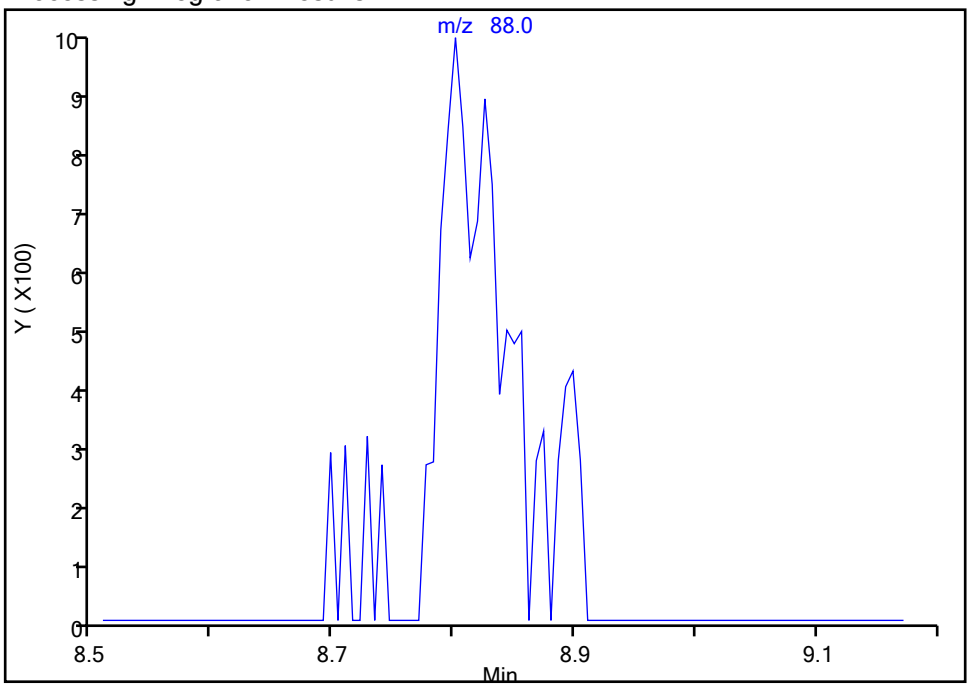
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D
Injection Date: 09-Nov-2020 15:52:30 Instrument ID: 7159
Lims ID: IC STD1
Client ID:
Operator ID: DVV10203 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

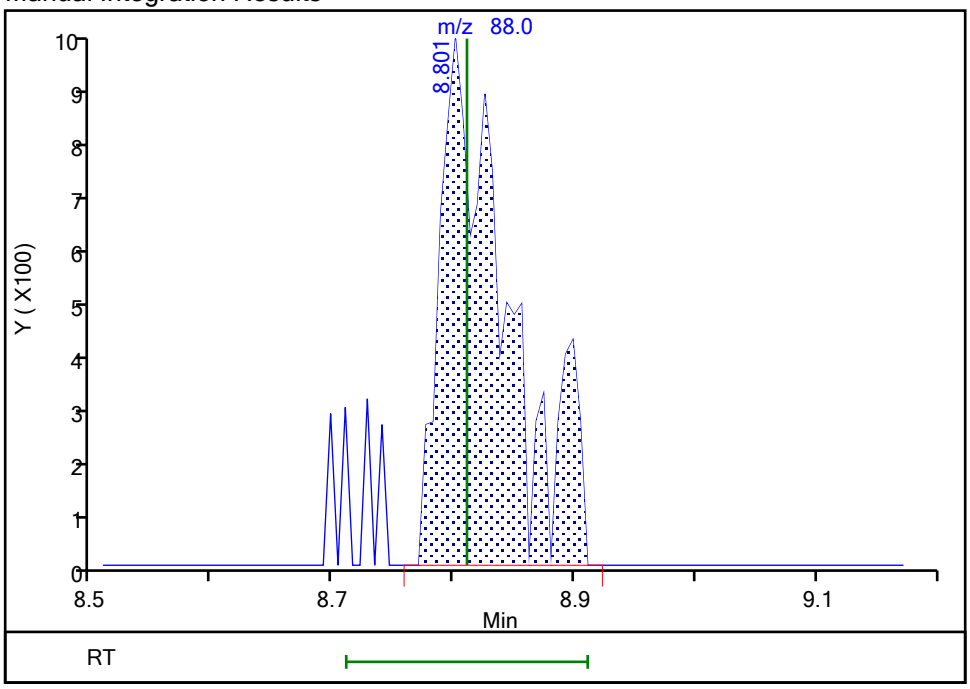
Not Detected
Expected RT: 8.81

Processing Integration Results



Manual Integration Results

RT: 8.80
Area: 3900
Amount: 48.394374
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 16:56:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

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

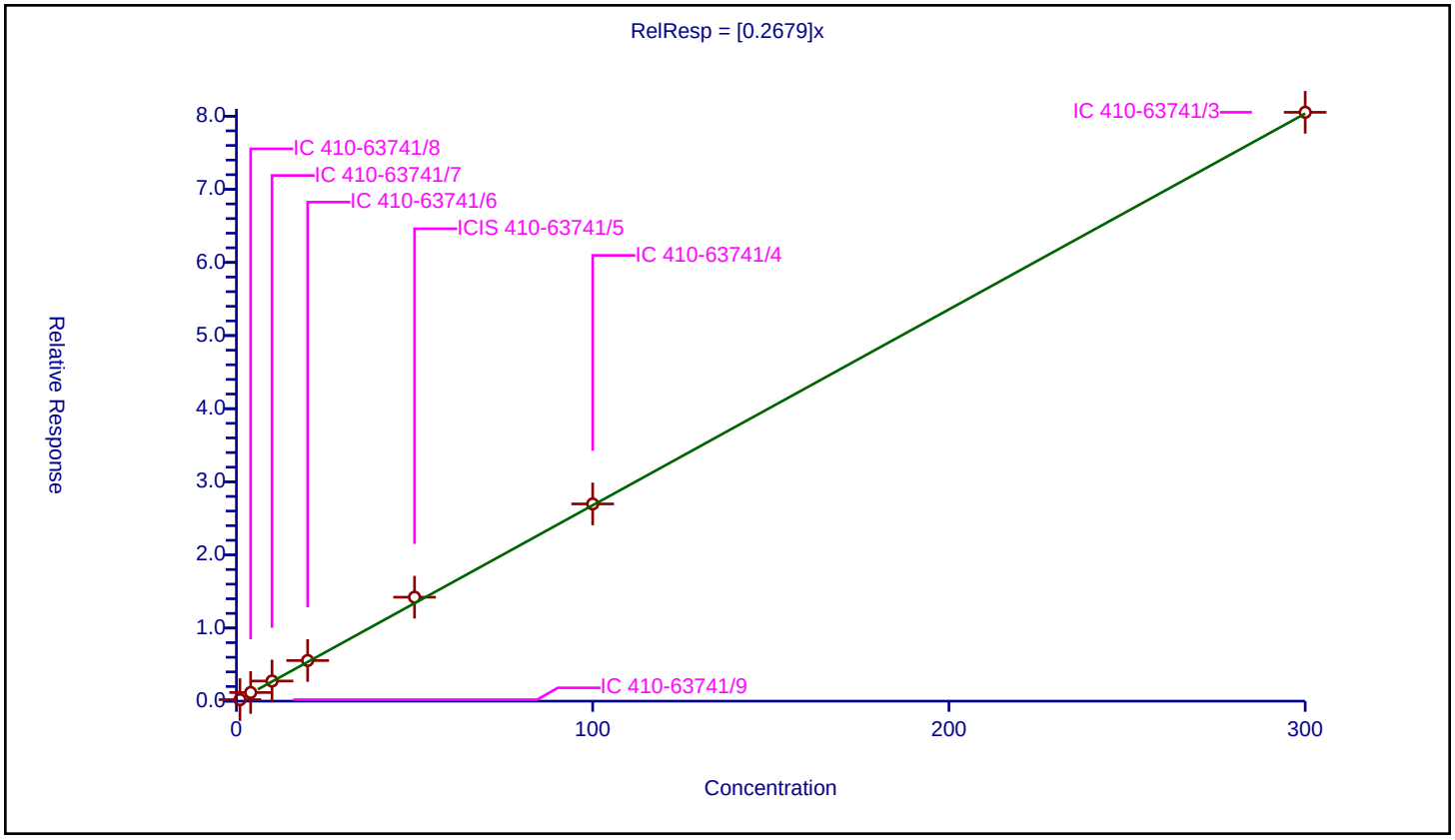
Curve Coefficients

Intercept:	0
Slope:	0.2679

Error Coefficients

Standard Error:	925000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.203966	50.0	1310267.0	0.203966	Y
2	IC 410-63741/8	4.0	1.182751	50.0	1290720.0	0.295688	Y
3	IC 410-63741/7	10.0	2.750475	50.0	1283469.0	0.275048	Y
4	IC 410-63741/6	20.0	5.557791	50.0	1284881.0	0.27789	Y
5	ICIS 410-63741/5	50.0	14.216542	50.0	1304709.0	0.284331	Y
6	IC 410-63741/4	100.0	26.972519	50.0	1292662.0	0.269725	Y
7	IC 410-63741/3	300.0	80.532687	50.0	1315464.0	0.268442	Y



Calibration / Chloromethane

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

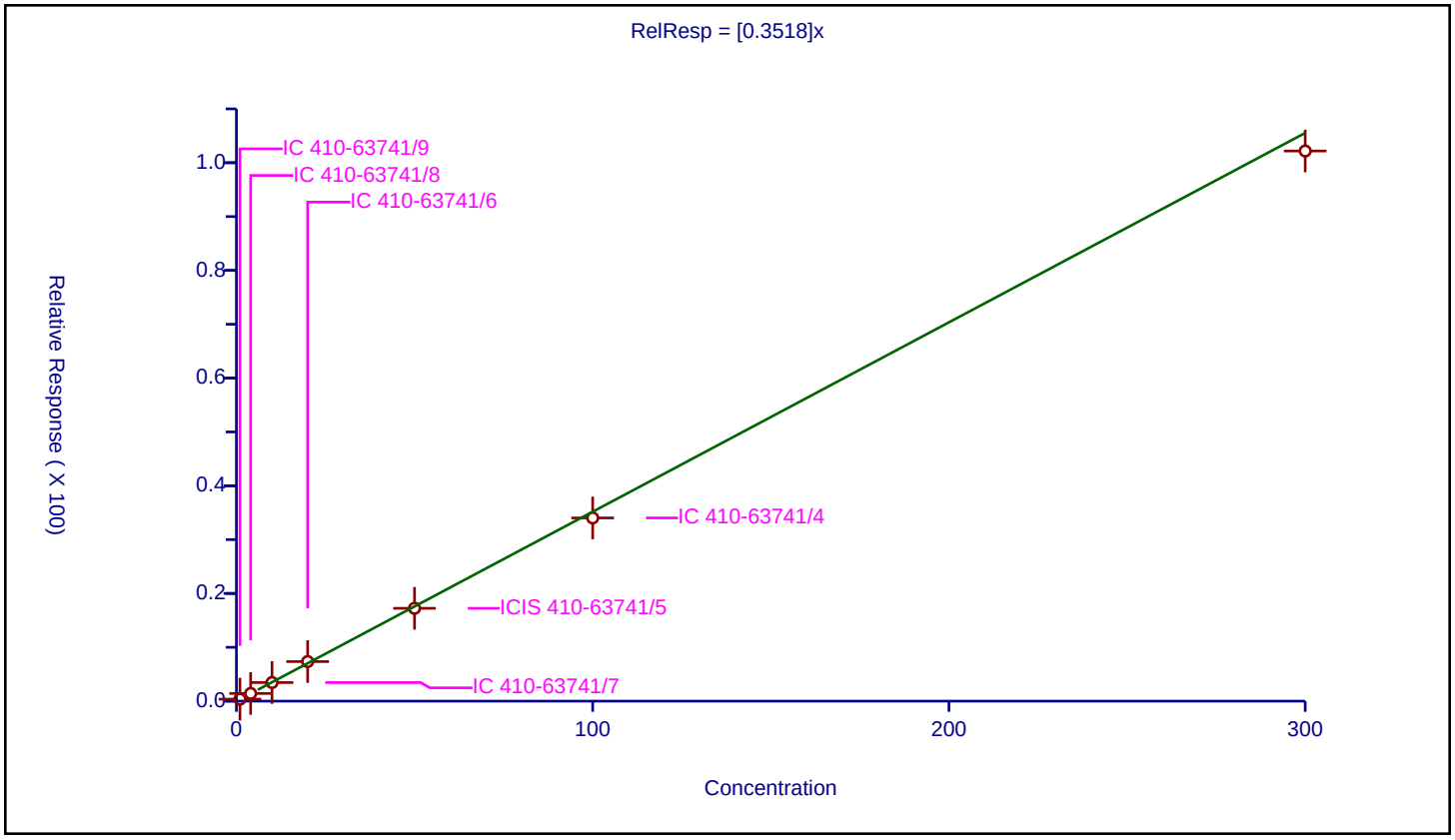
Curve Coefficients

Intercept:	0
Slope:	0.3518

Error Coefficients

Standard Error:	1170000
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 410-63741/9	1.0	0.367063	50.0	1310267.0	0.367063	Y
2	IC 410-63741/8	4.0	1.425987	50.0	1290720.0	0.356497	Y
3	IC 410-63741/7	10.0	3.456063	50.0	1283469.0	0.345606	Y
4	IC 410-63741/6	20.0	7.350214	50.0	1284881.0	0.367511	Y
5	ICIS 410-63741/5	50.0	17.241431	50.0	1304709.0	0.344829	Y
6	IC 410-63741/4	100.0	34.025755	50.0	1292662.0	0.340258	Y
7	IC 410-63741/3	300.0	102.179953	50.0	1315464.0	0.3406	Y



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

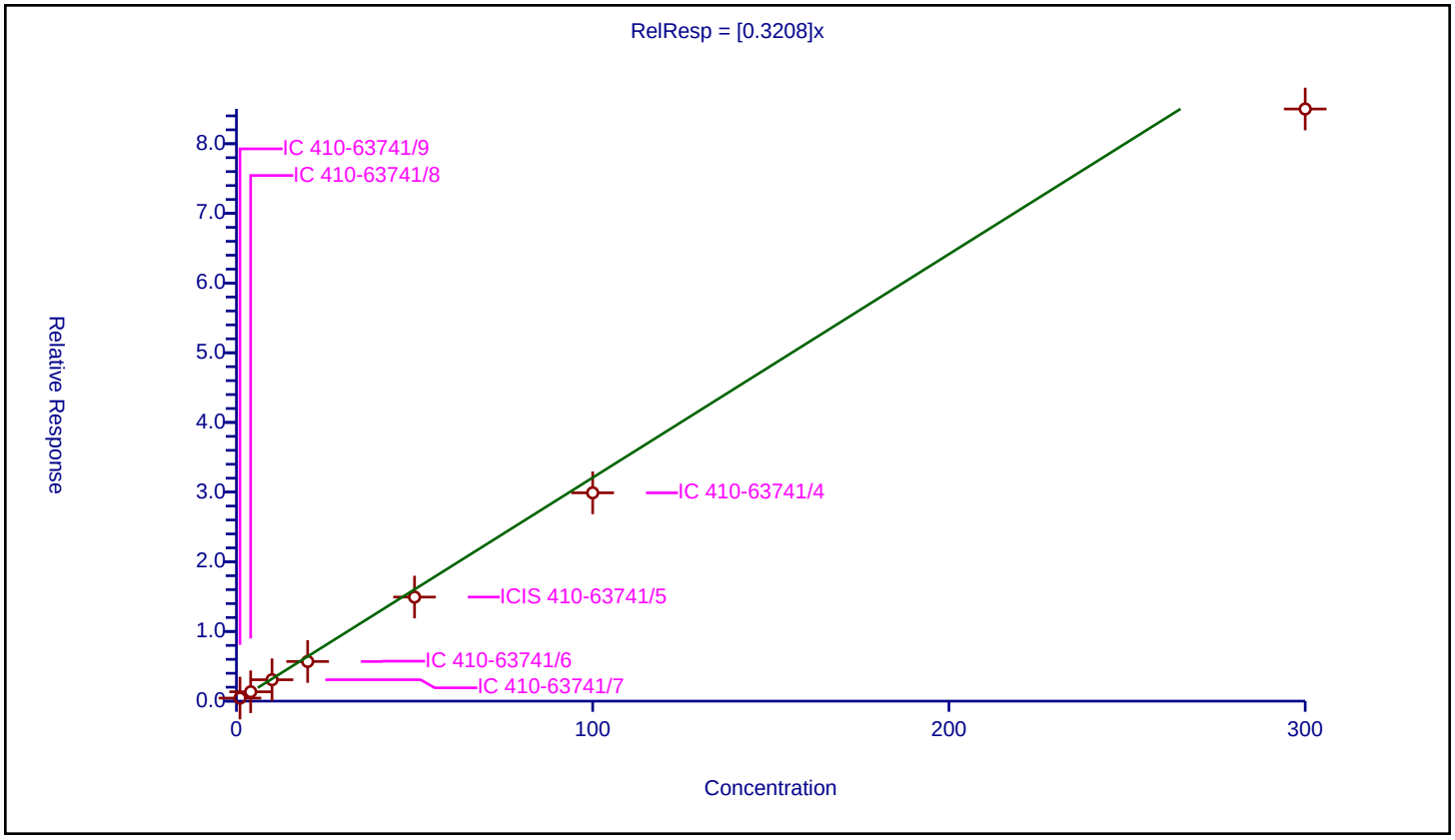
Curve Coefficients

Intercept:	0
Slope:	0.3208

Error Coefficients

Standard Error:	981000
Relative Standard Error:	16.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.436629	50.0	1310267.0	0.436629	Y
2	IC 410-63741/8	4.0	1.344908	50.0	1290720.0	0.336227	Y
3	IC 410-63741/7	10.0	3.07039	50.0	1283469.0	0.307039	Y
4	IC 410-63741/6	20.0	5.68897	50.0	1284881.0	0.284449	Y
5	ICIS 410-63741/5	50.0	14.935093	50.0	1304709.0	0.298702	Y
6	IC 410-63741/4	100.0	29.897104	50.0	1292662.0	0.298971	Y
7	IC 410-63741/3	300.0	84.985412	50.0	1315464.0	0.283285	Y



Calibration / Vinyl chloride

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

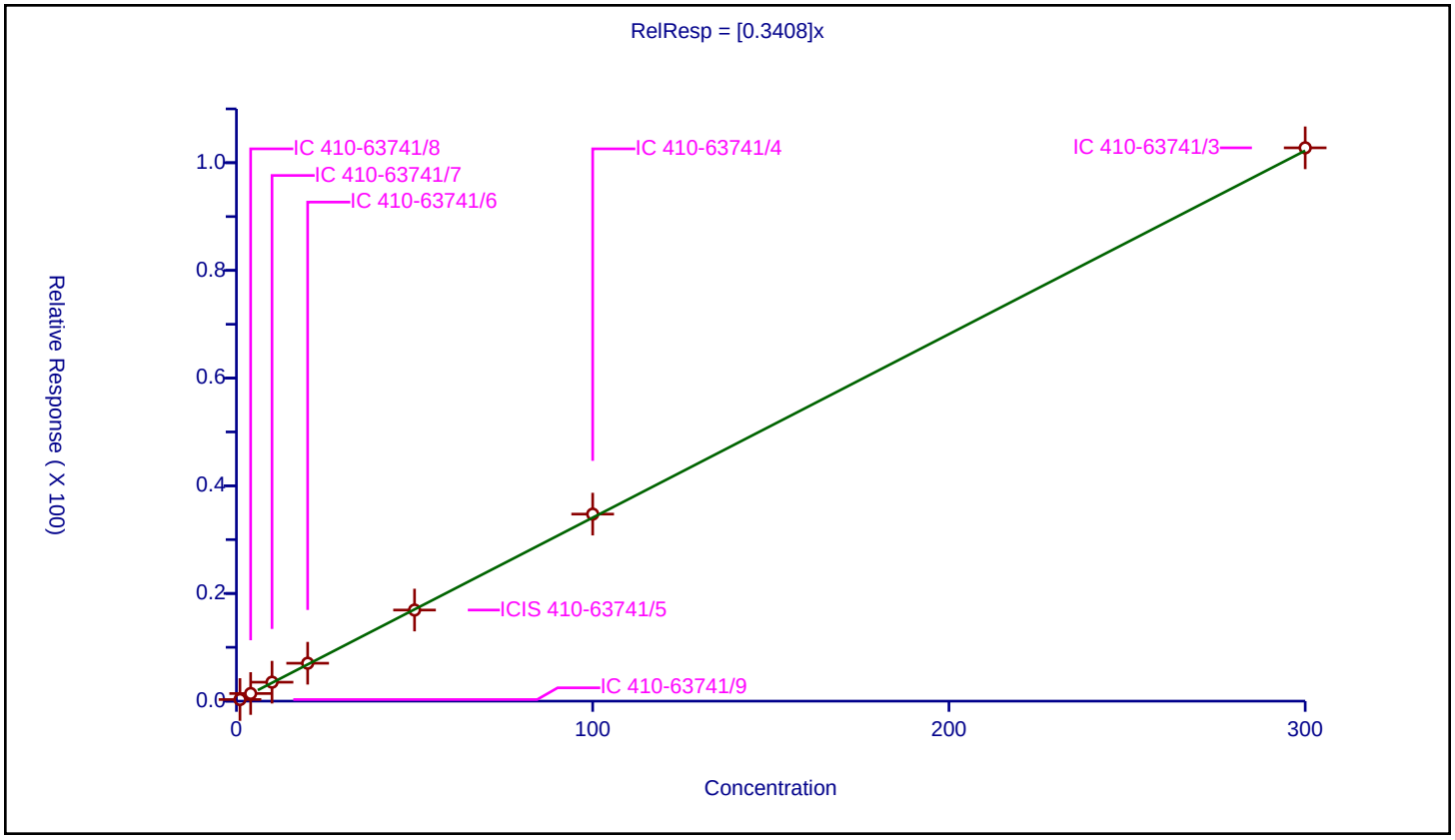
Curve Coefficients

Intercept:	0
Slope:	0.3408

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.298336	50.0	1310267.0	0.298336	Y
2	IC 410-63741/8	4.0	1.418898	50.0	1290720.0	0.354724	Y
3	IC 410-63741/7	10.0	3.521745	50.0	1283469.0	0.352174	Y
4	IC 410-63741/6	20.0	7.043843	50.0	1284881.0	0.352192	Y
5	ICIS 410-63741/5	50.0	16.918983	50.0	1304709.0	0.33838	Y
6	IC 410-63741/4	100.0	34.737116	50.0	1292662.0	0.347371	Y
7	IC 410-63741/3	300.0	102.766628	50.0	1315464.0	0.342555	Y



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

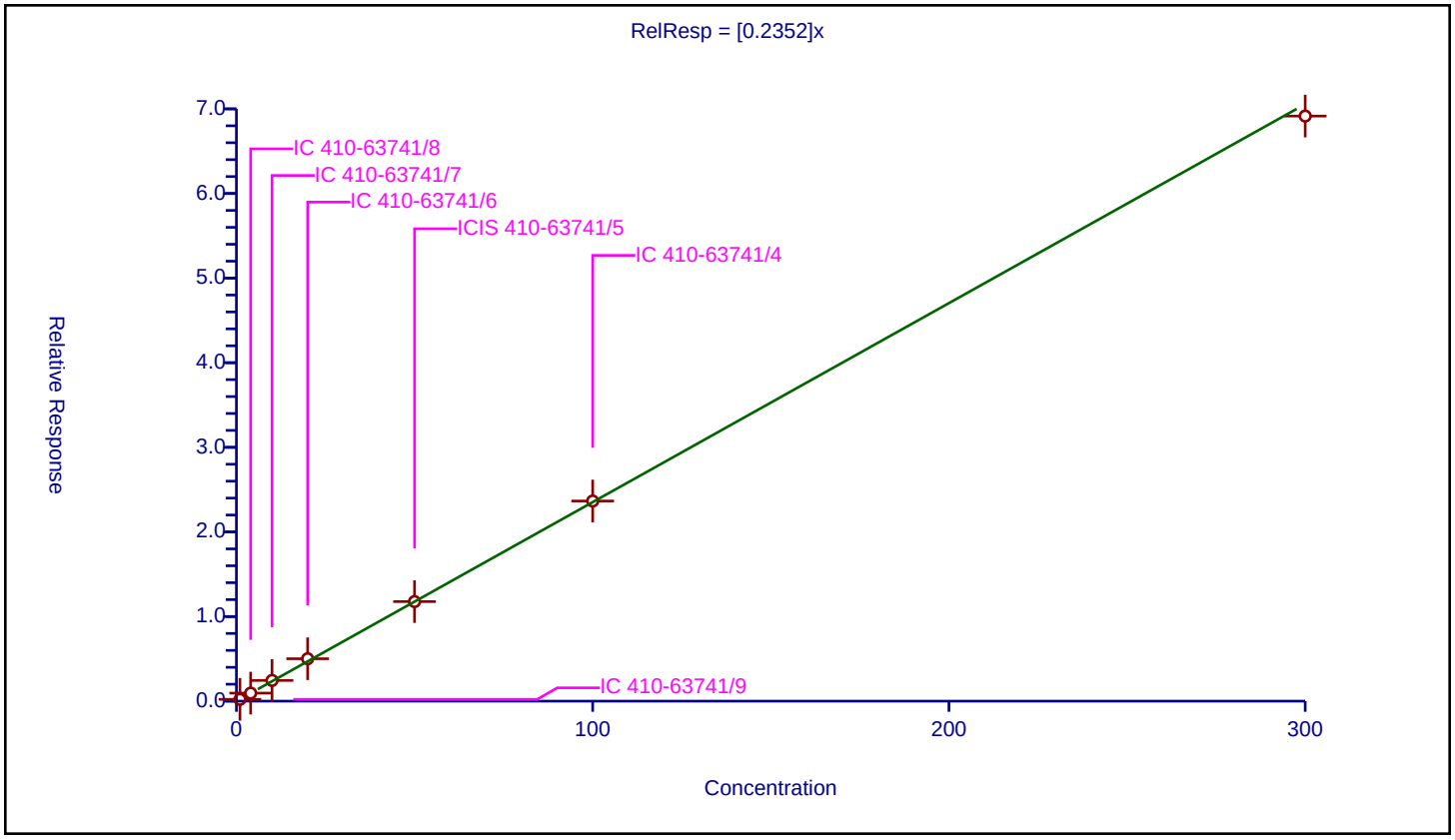
Curve Coefficients

Intercept:	0
Slope:	0.2352

Error Coefficients

Standard Error:	796000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.211331	50.0	1310267.0	0.211331	Y
2	IC 410-63741/8	4.0	0.949276	50.0	1290720.0	0.237319	Y
3	IC 410-63741/7	10.0	2.447585	50.0	1283469.0	0.244759	Y
4	IC 410-63741/6	20.0	5.01311	50.0	1284881.0	0.250656	Y
5	ICIS 410-63741/5	50.0	11.769214	50.0	1304709.0	0.235384	Y
6	IC 410-63741/4	100.0	23.652896	50.0	1292662.0	0.236529	Y
7	IC 410-63741/3	300.0	69.148871	50.0	1315464.0	0.230496	Y



Calibration / Chloroethane

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

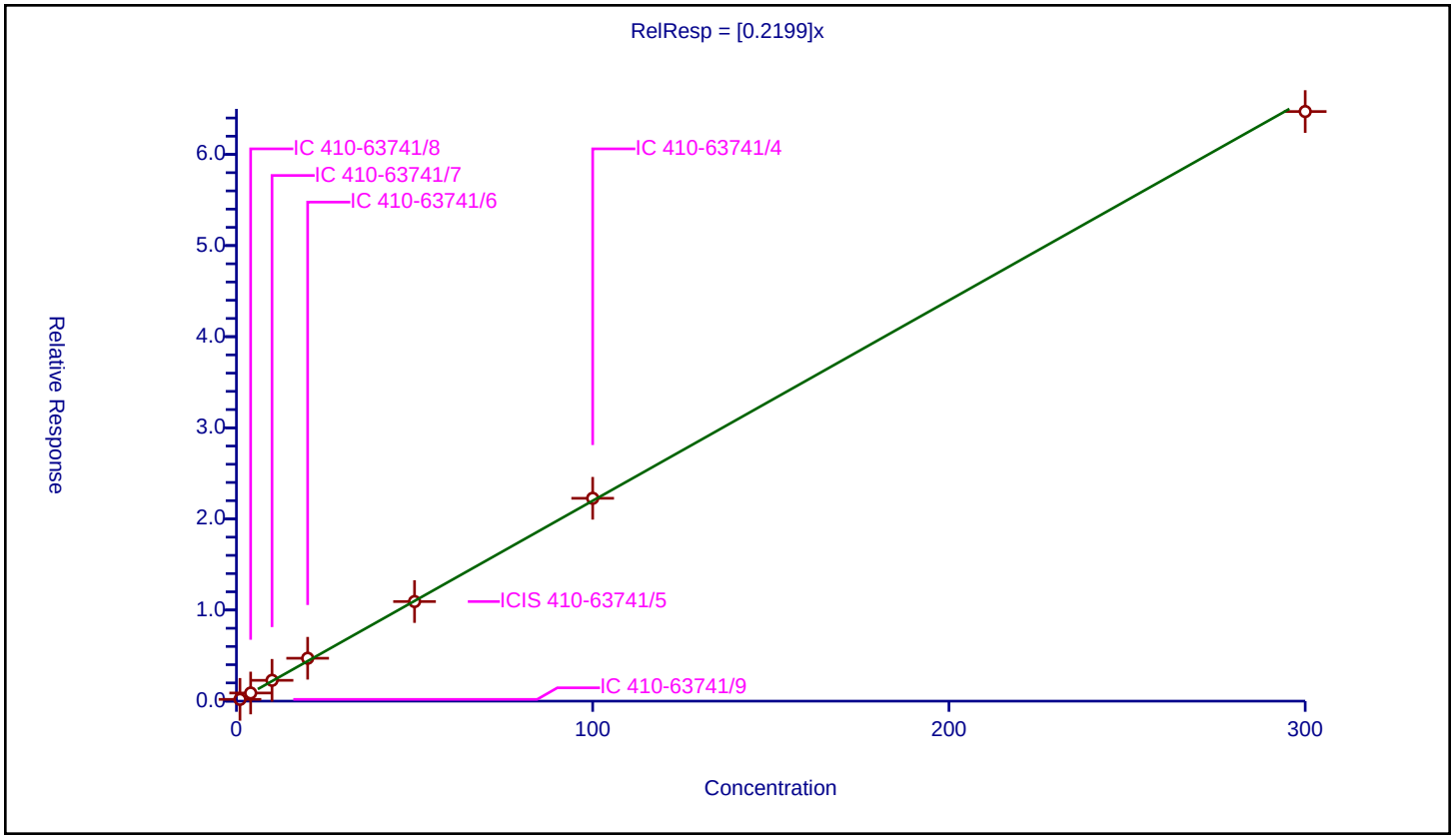
Curve Coefficients

Intercept:	0
Slope:	0.2199

Error Coefficients

Standard Error:	745000
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 410-63741/9	1.0	0.195647	50.0	1310267.0	0.195647	Y
2	IC 410-63741/8	4.0	0.892022	50.0	1290720.0	0.223005	Y
3	IC 410-63741/7	10.0	2.283849	50.0	1283469.0	0.228385	Y
4	IC 410-63741/6	20.0	4.708101	50.0	1284881.0	0.235405	Y
5	ICIS 410-63741/5	50.0	10.932323	50.0	1304709.0	0.218646	Y
6	IC 410-63741/4	100.0	22.264289	50.0	1292662.0	0.222643	Y
7	IC 410-63741/3	300.0	64.711007	50.0	1315464.0	0.215703	Y



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

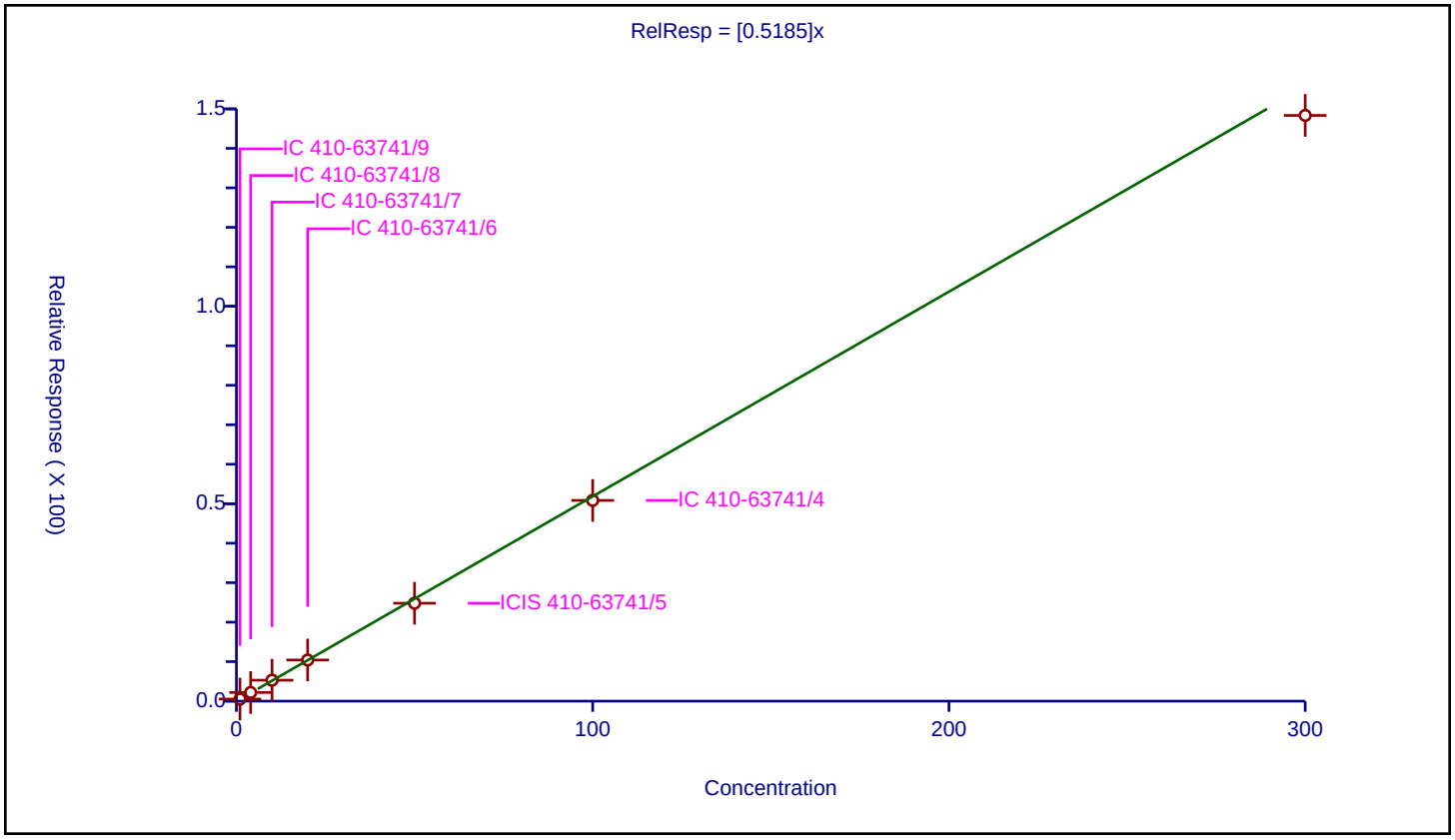
Curve Coefficients

Intercept:	0
Slope:	0.5185

Error Coefficients

Standard Error:	1710000
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 410-63741/9	1.0	0.530159	50.0	1310267.0	0.530159	Y
2	IC 410-63741/8	4.0	2.196022	50.0	1290720.0	0.549006	Y
3	IC 410-63741/7	10.0	5.306634	50.0	1283469.0	0.530663	Y
4	IC 410-63741/6	20.0	10.417035	50.0	1284881.0	0.520852	Y
5	ICIS 410-63741/5	50.0	24.80281	50.0	1304709.0	0.496056	Y
6	IC 410-63741/4	100.0	50.839044	50.0	1292662.0	0.50839	Y
7	IC 410-63741/3	300.0	148.34412	50.0	1315464.0	0.49448	Y



Calibration / Trichlorofluoromethane

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

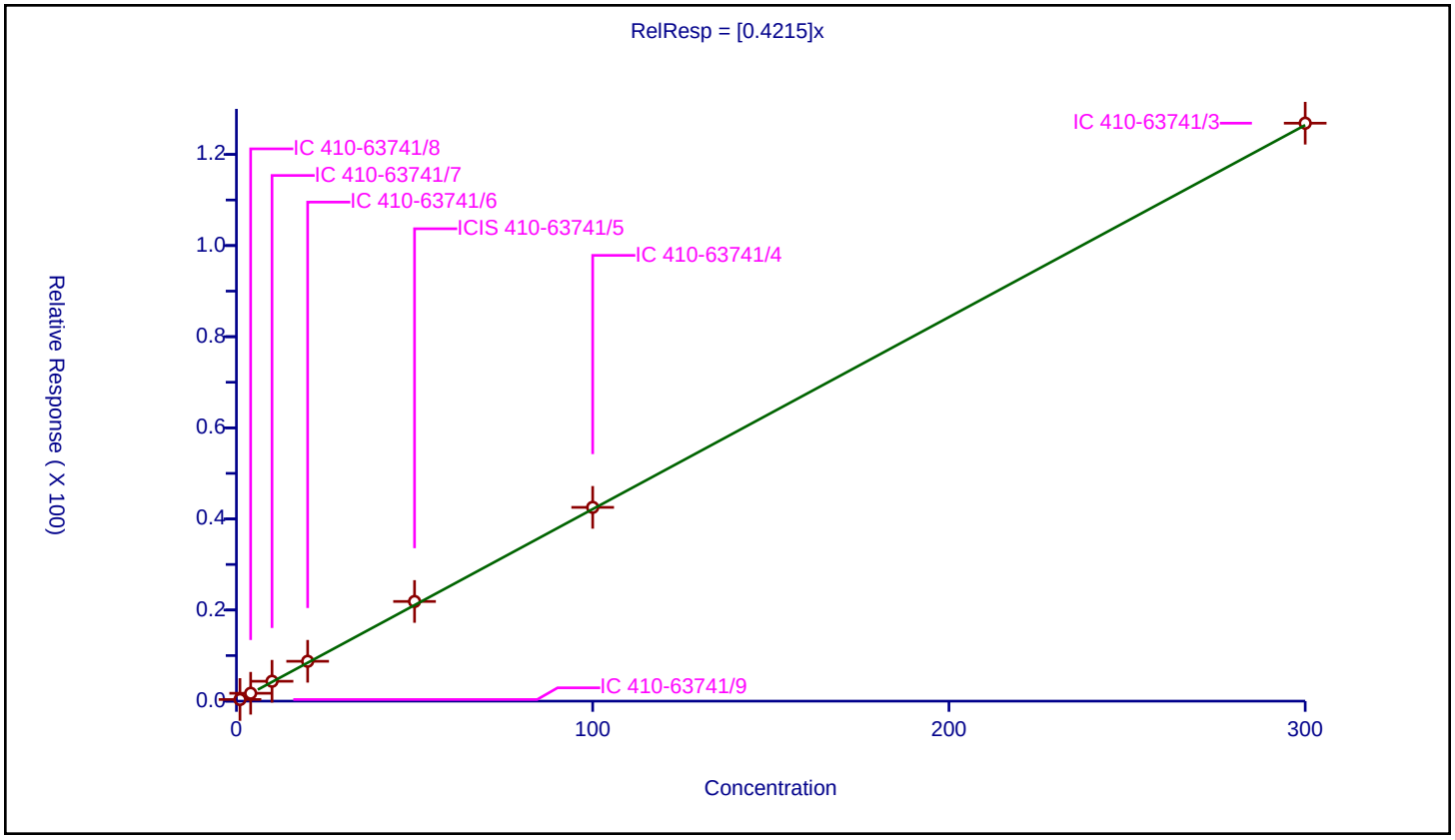
Curve Coefficients

Intercept:	0
Slope:	0.4215

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.358667	50.0	1310267.0	0.358667	Y
2	IC 410-63741/8	4.0	1.728338	50.0	1290720.0	0.432084	Y
3	IC 410-63741/7	10.0	4.362825	50.0	1283469.0	0.436282	Y
4	IC 410-63741/6	20.0	8.748748	50.0	1284881.0	0.437437	Y
5	ICIS 410-63741/5	50.0	21.881738	50.0	1304709.0	0.437635	Y
6	IC 410-63741/4	100.0	42.536525	50.0	1292662.0	0.425365	Y
7	IC 410-63741/3	300.0	126.860864	50.0	1315464.0	0.42287	Y



Calibration / Pentane

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

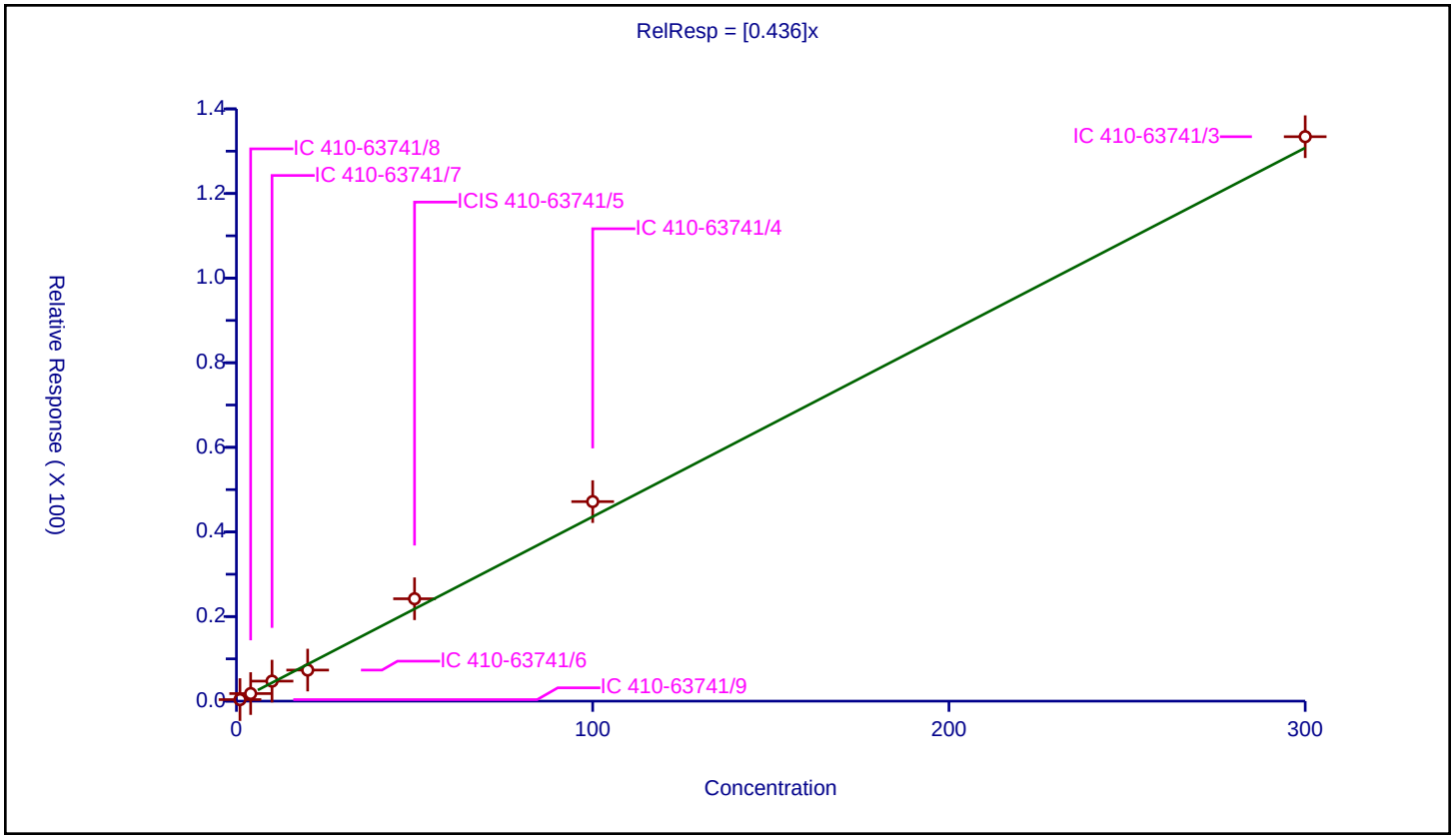
Curve Coefficients

Intercept:	0
Slope:	0.436

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.363666	50.0	1310267.0	0.363666	Y
2	IC 410-63741/8	4.0	1.789389	50.0	1290720.0	0.447347	Y
3	IC 410-63741/7	10.0	4.730734	50.0	1283469.0	0.473073	Y
4	IC 410-63741/6	20.0	7.345077	50.0	1284881.0	0.367254	Y
5	ICIS 410-63741/5	50.0	24.201604	50.0	1304709.0	0.484032	Y
6	IC 410-63741/4	100.0	47.163837	50.0	1292662.0	0.471638	Y
7	IC 410-63741/3	300.0	133.429421	50.0	1315464.0	0.444765	Y



Calibration / Ethanol

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

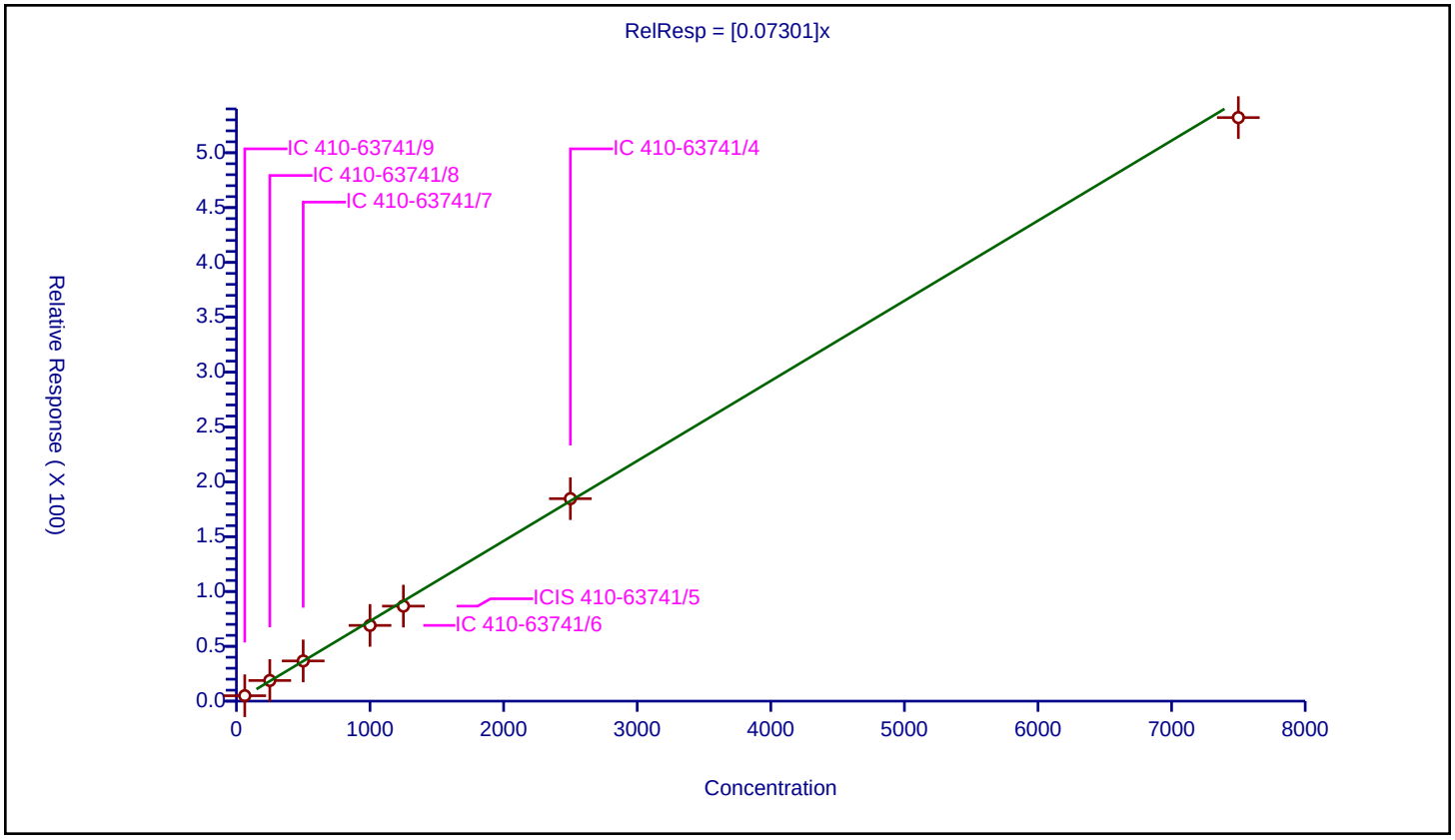
Curve Coefficients

Intercept:	0
Slope:	0.07301

Error Coefficients

Standard Error:	282000
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 410-63741/9	62.49567	4.950309	250.0	306092.0	0.07921	Y
2	IC 410-63741/8	249.98268	18.841178	250.0	318677.0	0.07537	Y
3	IC 410-63741/7	499.96536	36.654814	250.0	301768.0	0.073315	Y
4	IC 410-63741/6	999.93072	69.061893	250.0	305914.0	0.069067	Y
5	ICIS 410-63741/5	1249.9134	86.643993	250.0	325187.0	0.06932	Y
6	IC 410-63741/4	2499.8268	184.611002	250.0	287881.0	0.07385	Y
7	IC 410-63741/3	7499.4804	532.0609	250.0	301247.0	0.070946	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

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

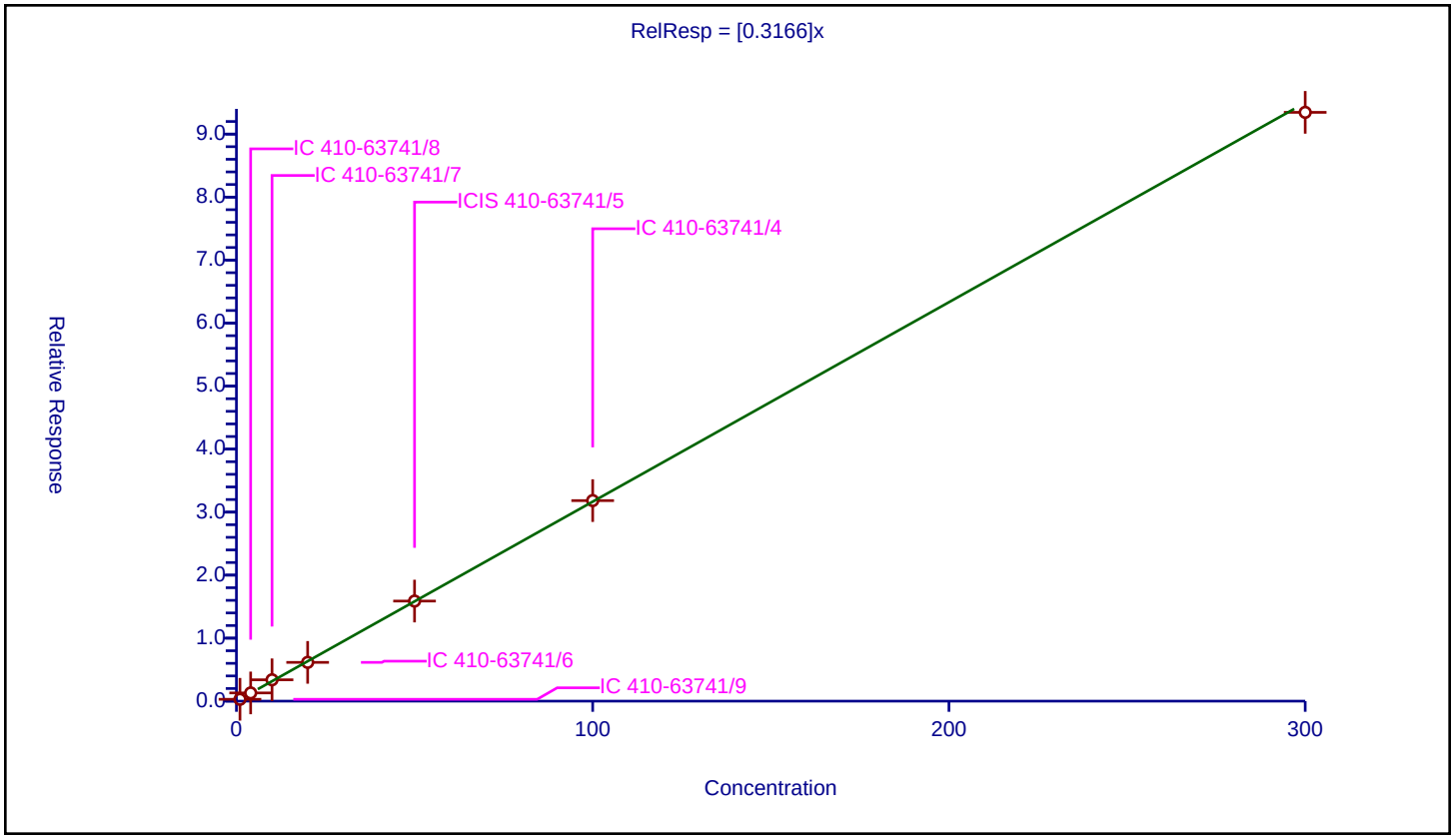
Curve Coefficients

Intercept:	0
Slope:	0.3166

Error Coefficients

Standard Error:	1070000
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 410-63741/9	1.0	0.295589	50.0	1310267.0	0.295589	Y
2	IC 410-63741/8	4.0	1.30586	50.0	1290720.0	0.326465	Y
3	IC 410-63741/7	10.0	3.390148	50.0	1283469.0	0.339015	Y
4	IC 410-63741/6	20.0	6.153722	50.0	1284881.0	0.307686	Y
5	ICIS 410-63741/5	50.0	15.881971	50.0	1304709.0	0.317639	Y
6	IC 410-63741/4	100.0	31.828042	50.0	1292662.0	0.31828	Y
7	IC 410-63741/3	300.0	93.451816	50.0	1315464.0	0.311506	Y



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

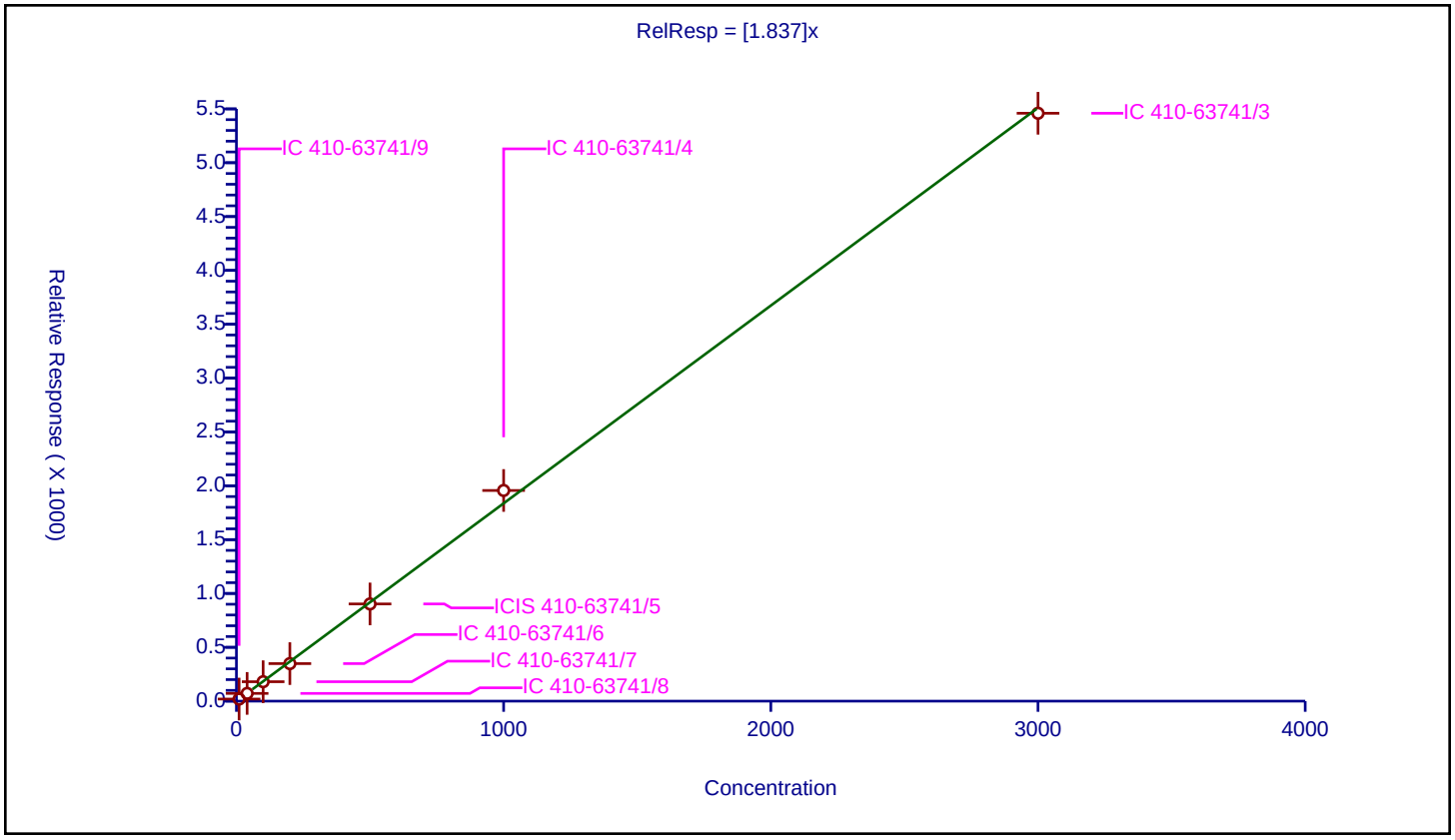
Curve Coefficients

Intercept:	0
Slope:	1.837

Error Coefficients

Standard Error:	2880000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	10.000292	19.33569	250.0	306092.0	1.933513	Y
2	IC 410-63741/8	40.001167	71.775654	250.0	318677.0	1.794339	Y
3	IC 410-63741/7	100.002917	180.491305	250.0	301768.0	1.80486	Y
4	IC 410-63741/6	200.005834	348.520336	250.0	305914.0	1.742551	Y
5	ICIS 410-63741/5	500.014585	902.615264	250.0	325187.0	1.805178	Y
6	IC 410-63741/4	1000.02917	1956.354362	250.0	287881.0	1.956297	Y
7	IC 410-63741/3	3000.087509	5459.549805	250.0	301247.0	1.819797	Y



Calibration / 1,1-Dichloroethene

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

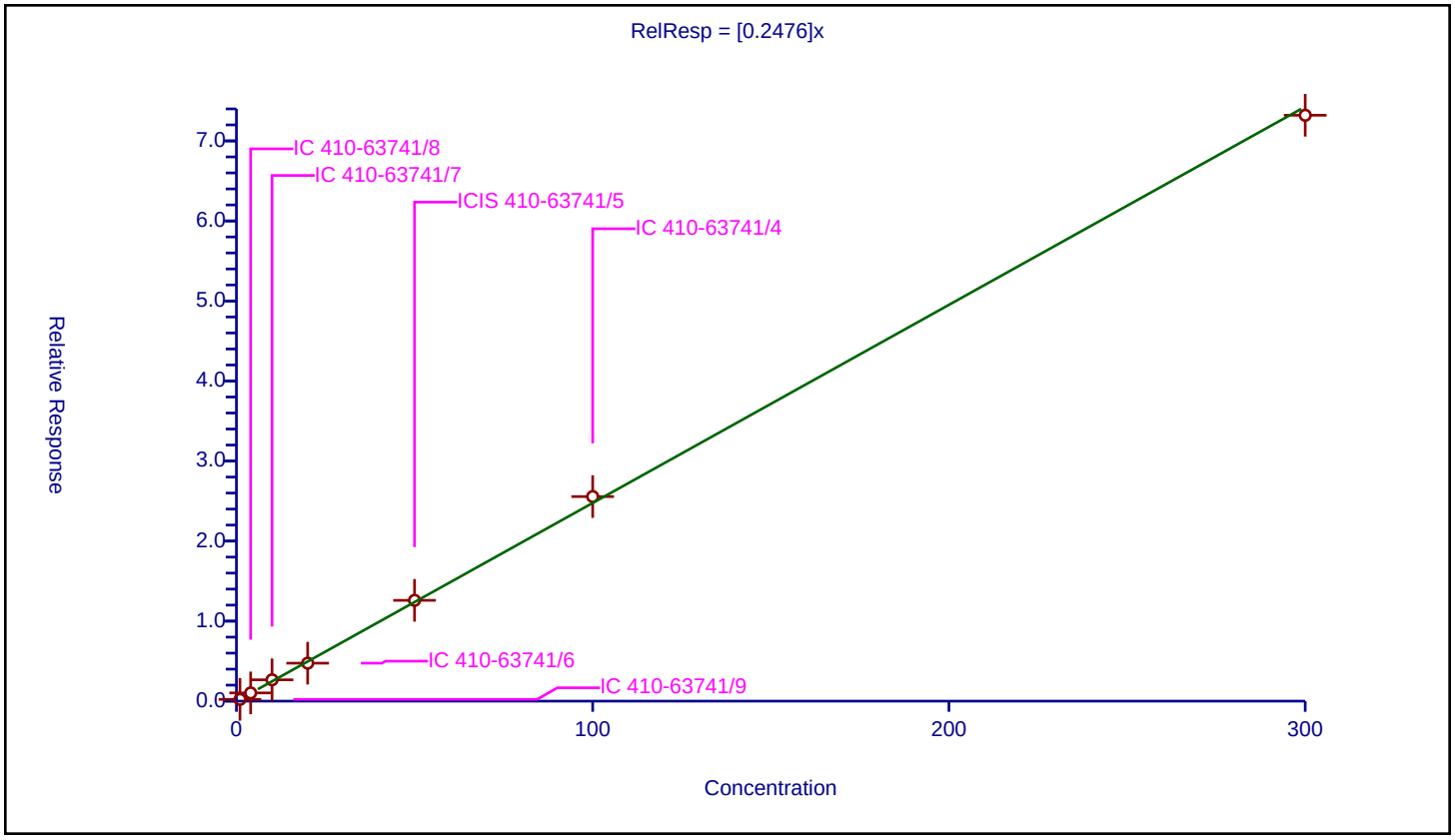
Curve Coefficients

Intercept:	0
Slope:	0.2476

Error Coefficients

Standard Error:	844000
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 410-63741/9	1.0	0.221749	50.0	1310267.0	0.221749	Y
2	IC 410-63741/8	4.0	1.025435	50.0	1290720.0	0.256359	Y
3	IC 410-63741/7	10.0	2.663368	50.0	1283469.0	0.266337	Y
4	IC 410-63741/6	20.0	4.74398	50.0	1284881.0	0.237199	Y
5	ICIS 410-63741/5	50.0	12.592655	50.0	1304709.0	0.251853	Y
6	IC 410-63741/4	100.0	25.558383	50.0	1292662.0	0.255584	Y
7	IC 410-63741/3	300.0	73.205614	50.0	1315464.0	0.244019	Y



Calibration / Acetone

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

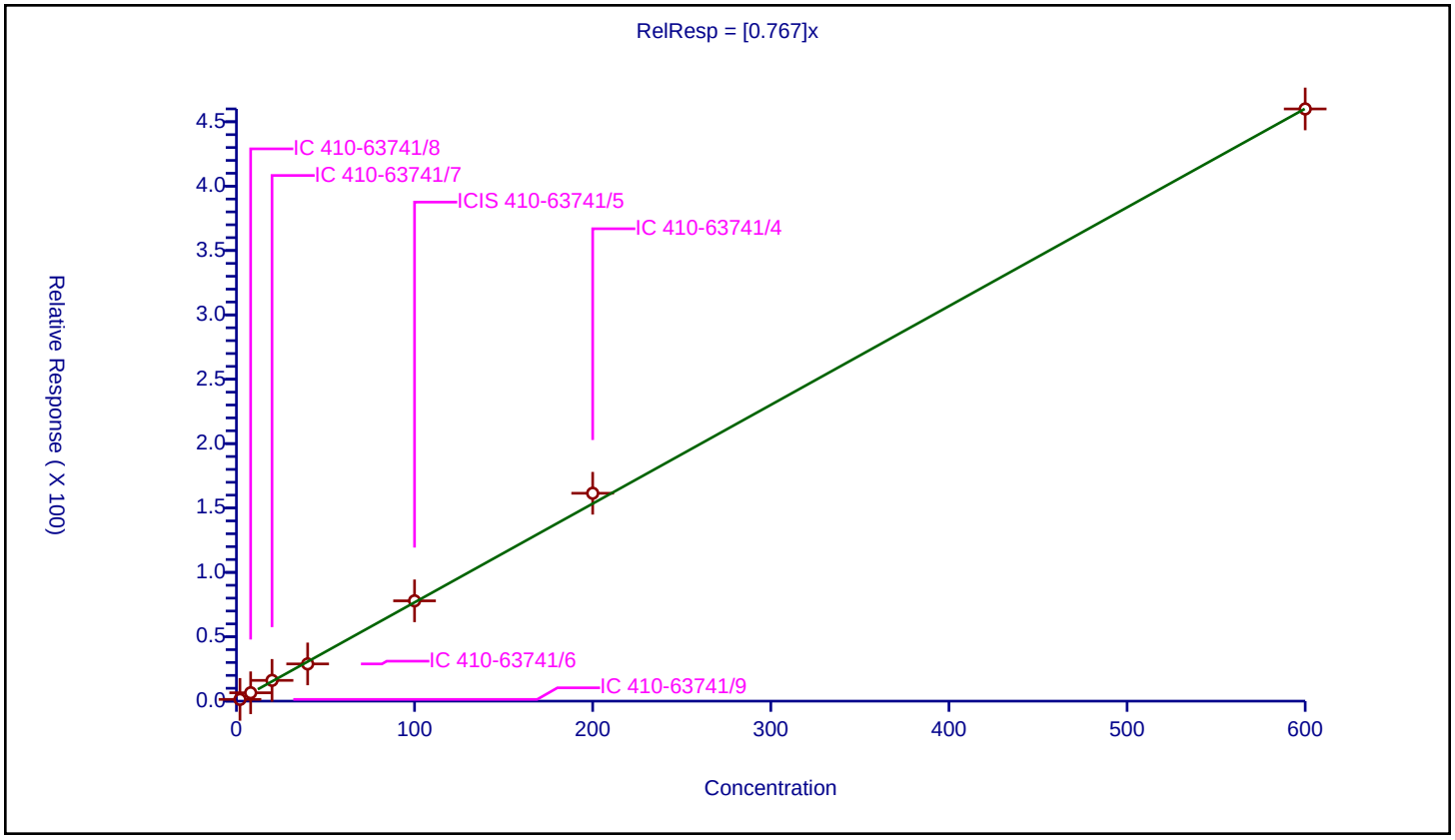
Curve Coefficients

Intercept:	0
Slope:	0.767

Error Coefficients

Standard Error:	243000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	2.0	1.346817	250.0	306092.0	0.673409	Y
2	IC 410-63741/8	8.0	6.507373	250.0	318677.0	0.813422	Y
3	IC 410-63741/7	20.0	16.128284	250.0	301768.0	0.806414	Y
4	IC 410-63741/6	40.0	28.914989	250.0	305914.0	0.722875	Y
5	ICIS 410-63741/5	100.0	77.907481	250.0	325187.0	0.779075	Y
6	IC 410-63741/4	200.0	161.475575	250.0	287881.0	0.807378	Y
7	IC 410-63741/3	600.0	459.951468	250.0	301247.0	0.766586	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

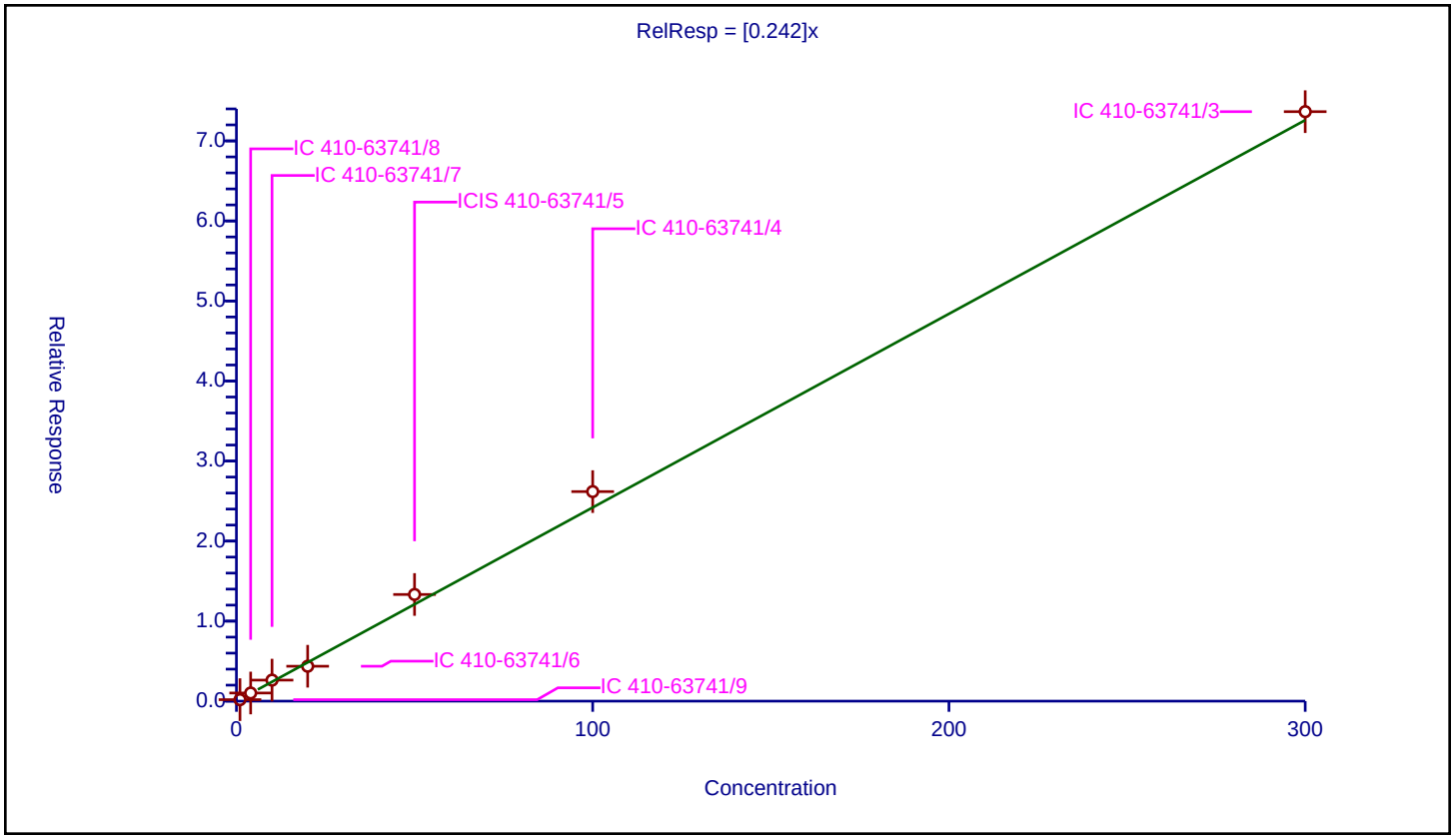
Curve Coefficients

Intercept:	0
Slope:	0.242

Error Coefficients

Standard Error:	852000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.184733	50.0	1310267.0	0.184733	Y
2	IC 410-63741/8	4.0	1.018269	50.0	1290720.0	0.254567	Y
3	IC 410-63741/7	10.0	2.626398	50.0	1283469.0	0.26264	Y
4	IC 410-63741/6	20.0	4.359664	50.0	1284881.0	0.217983	Y
5	ICIS 410-63741/5	50.0	13.325922	50.0	1304709.0	0.266518	Y
6	IC 410-63741/4	100.0	26.183565	50.0	1292662.0	0.261836	Y
7	IC 410-63741/3	300.0	73.653783	50.0	1315464.0	0.245513	Y



Calibration / Isopropyl alcohol

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

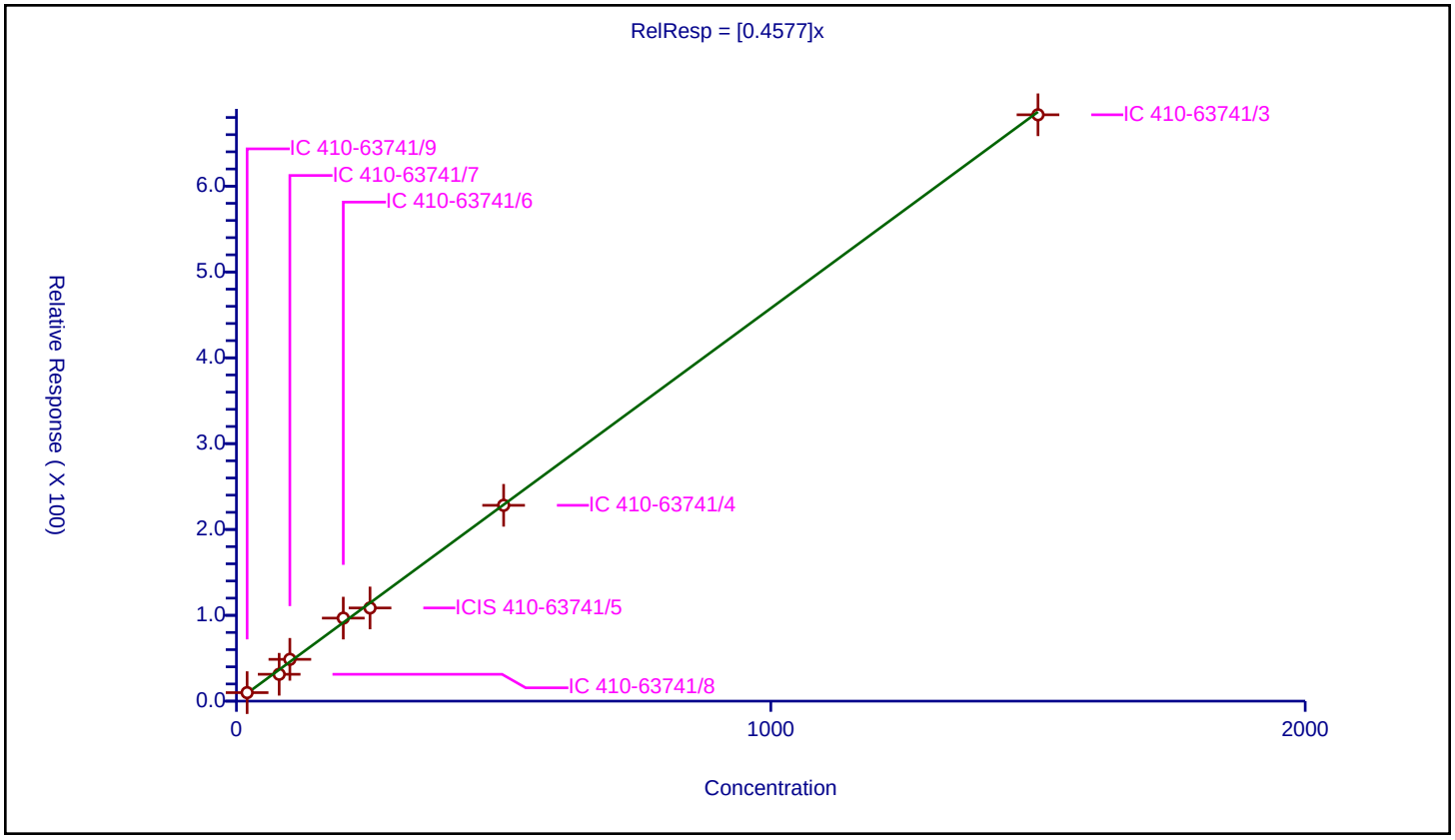
Curve Coefficients

Intercept:	0
Slope:	0.4577

Error Coefficients

Standard Error:	362000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	20.0	9.919403	250.0	306092.0	0.49597	Y
2	IC 410-63741/8	80.0	31.298933	250.0	318677.0	0.391237	Y
3	IC 410-63741/7	100.0	48.694693	250.0	301768.0	0.486947	Y
4	IC 410-63741/6	200.0	96.73552	250.0	305914.0	0.483678	Y
5	ICIS 410-63741/5	250.0	108.573682	250.0	325187.0	0.434295	Y
6	IC 410-63741/4	500.0	228.154168	250.0	287881.0	0.456308	Y
7	IC 410-63741/3	1500.0	683.138753	250.0	301247.0	0.455426	Y



Calibration / Iodomethane

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

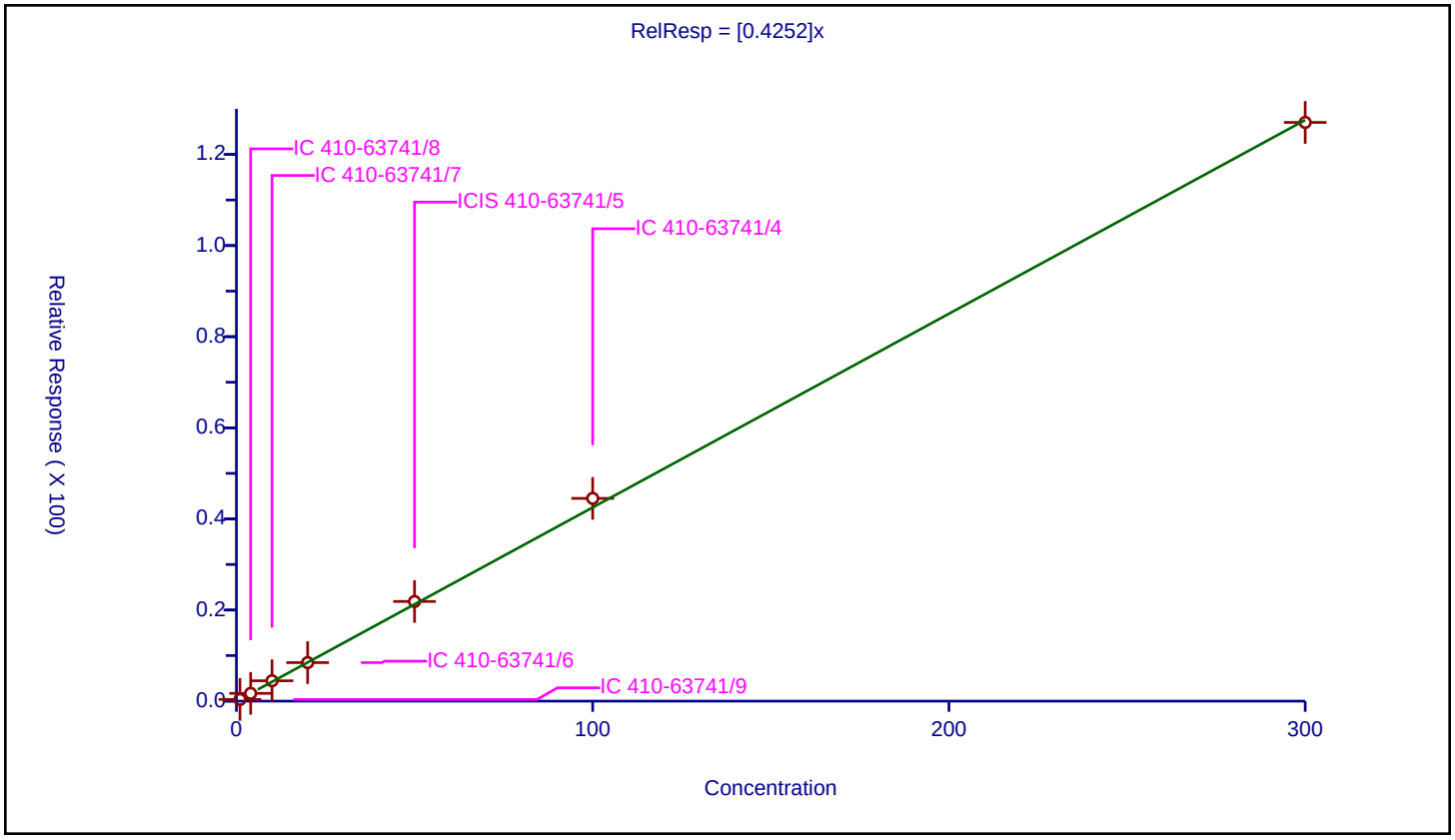
Curve Coefficients

Intercept:	0
Slope:	0.4252

Error Coefficients

Standard Error:	1470000
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 410-63741/9	1.0	0.372977	50.0	1310267.0	0.372977	Y
2	IC 410-63741/8	4.0	1.709627	50.0	1290720.0	0.427407	Y
3	IC 410-63741/7	10.0	4.468203	50.0	1283469.0	0.44682	Y
4	IC 410-63741/6	20.0	8.458254	50.0	1284881.0	0.422913	Y
5	ICIS 410-63741/5	50.0	21.880933	50.0	1304709.0	0.437619	Y
6	IC 410-63741/4	100.0	44.506685	50.0	1292662.0	0.445067	Y
7	IC 410-63741/3	300.0	127.027269	50.0	1315464.0	0.423424	Y



Calibration / Carbon disulfide

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

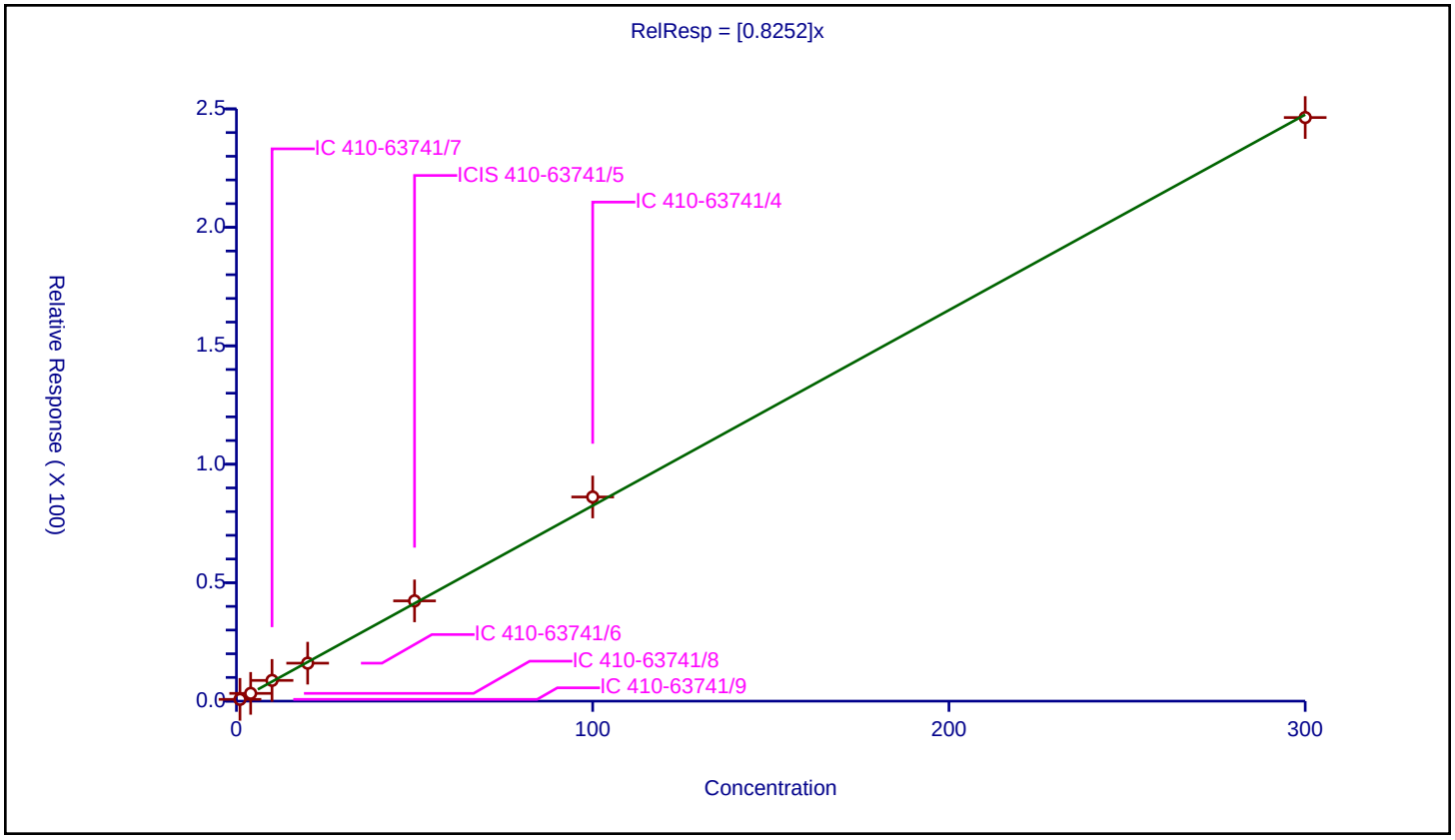
Curve Coefficients

Intercept:	0
Slope:	0.8252

Error Coefficients

Standard Error:	2840000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.750801	50.0	1310267.0	0.750801	Y
2	IC 410-63741/8	4.0	3.279991	50.0	1290720.0	0.819998	Y
3	IC 410-63741/7	10.0	8.751127	50.0	1283469.0	0.875113	Y
4	IC 410-63741/6	20.0	16.025103	50.0	1284881.0	0.801255	Y
5	ICIS 410-63741/5	50.0	42.322847	50.0	1304709.0	0.846457	Y
6	IC 410-63741/4	100.0	86.181693	50.0	1292662.0	0.861817	Y
7	IC 410-63741/3	300.0	246.341747	50.0	1315464.0	0.821139	Y



Calibration / Methyl acetate

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

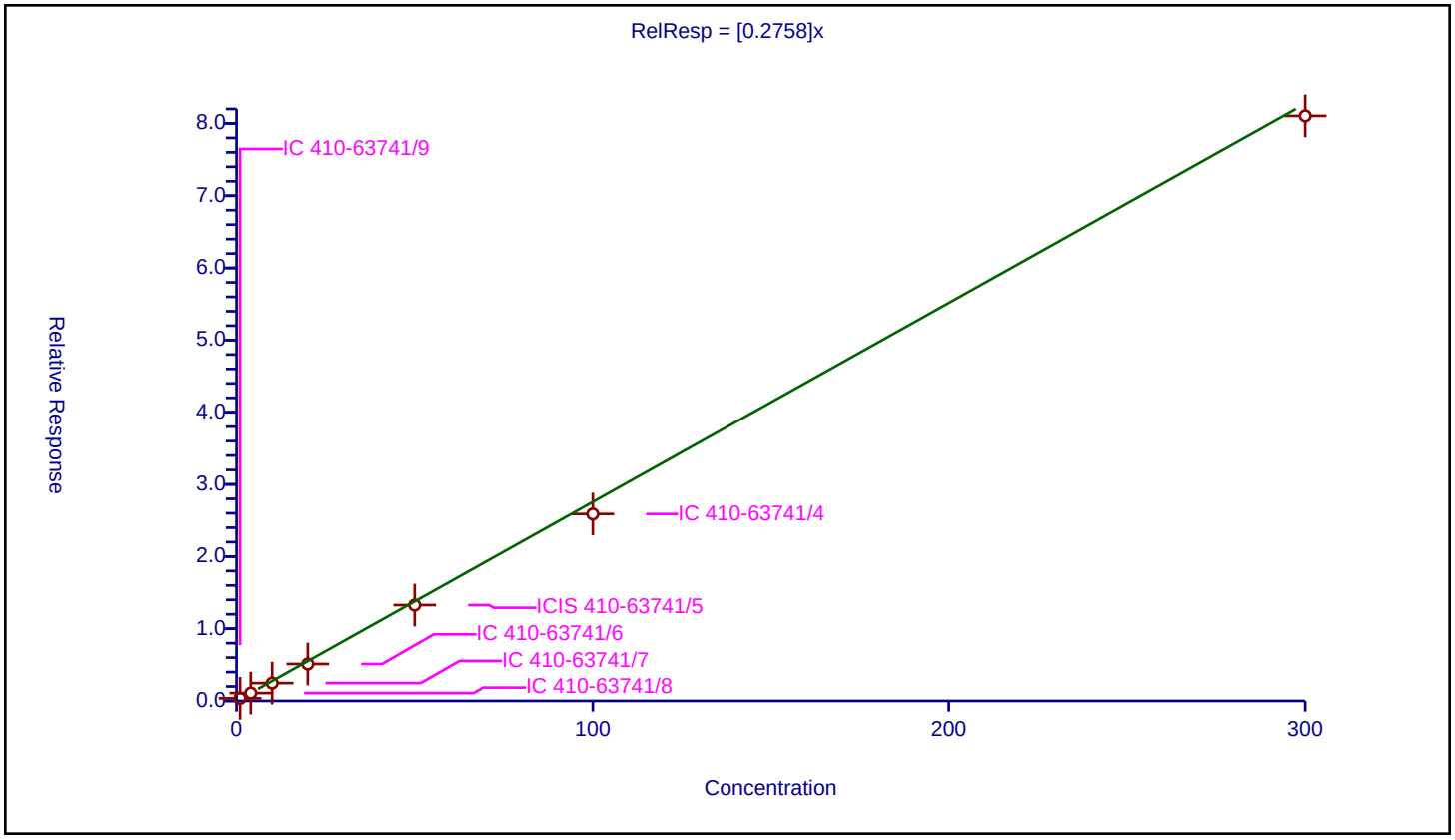
Curve Coefficients

Intercept:	0
Slope:	0.2758

Error Coefficients

Standard Error:	925000
Relative Standard Error:	13.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.360156	50.0	1310267.0	0.360156	Y
2	IC 410-63741/8	4.0	1.091406	50.0	1290720.0	0.272852	Y
3	IC 410-63741/7	10.0	2.468077	50.0	1283469.0	0.246808	Y
4	IC 410-63741/6	20.0	5.116388	50.0	1284881.0	0.255819	Y
5	ICIS 410-63741/5	50.0	13.279053	50.0	1304709.0	0.265581	Y
6	IC 410-63741/4	100.0	25.89513	50.0	1292662.0	0.258951	Y
7	IC 410-63741/3	300.0	81.045775	50.0	1315464.0	0.270153	Y



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

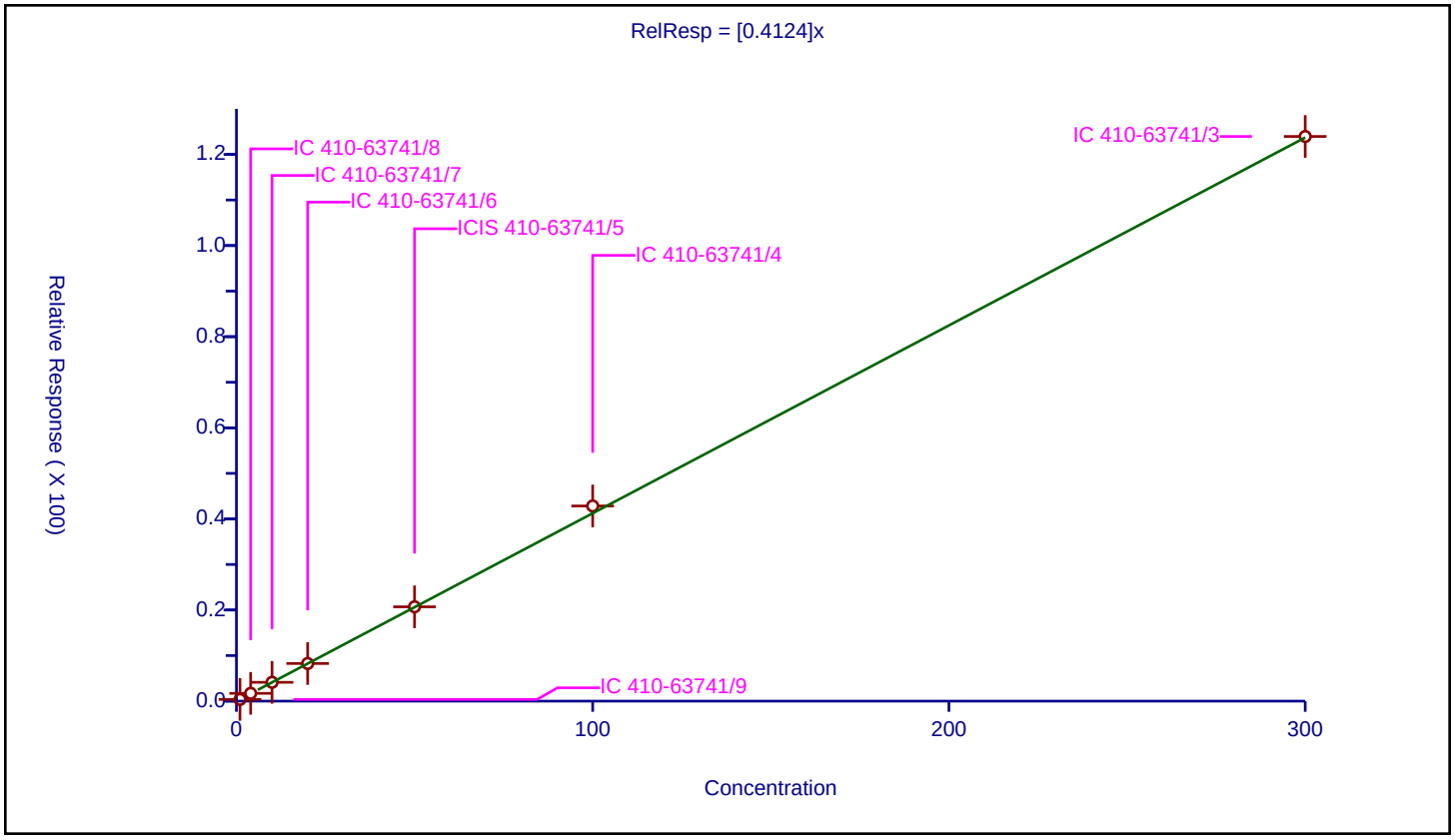
Curve Coefficients

Intercept:	0
Slope:	0.4124

Error Coefficients

Standard Error:	1430000
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 410-63741/9	1.0	0.376259	50.0	1310267.0	0.376259	Y
2	IC 410-63741/8	4.0	1.712339	50.0	1290720.0	0.428085	Y
3	IC 410-63741/7	10.0	4.132823	50.0	1283469.0	0.413282	Y
4	IC 410-63741/6	20.0	8.265318	50.0	1284881.0	0.413266	Y
5	ICIS 410-63741/5	50.0	20.705728	50.0	1304709.0	0.414115	Y
6	IC 410-63741/4	100.0	42.839621	50.0	1292662.0	0.428396	Y
7	IC 410-63741/3	300.0	123.947254	50.0	1315464.0	0.413158	Y



Calibration / Methylene Chloride

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

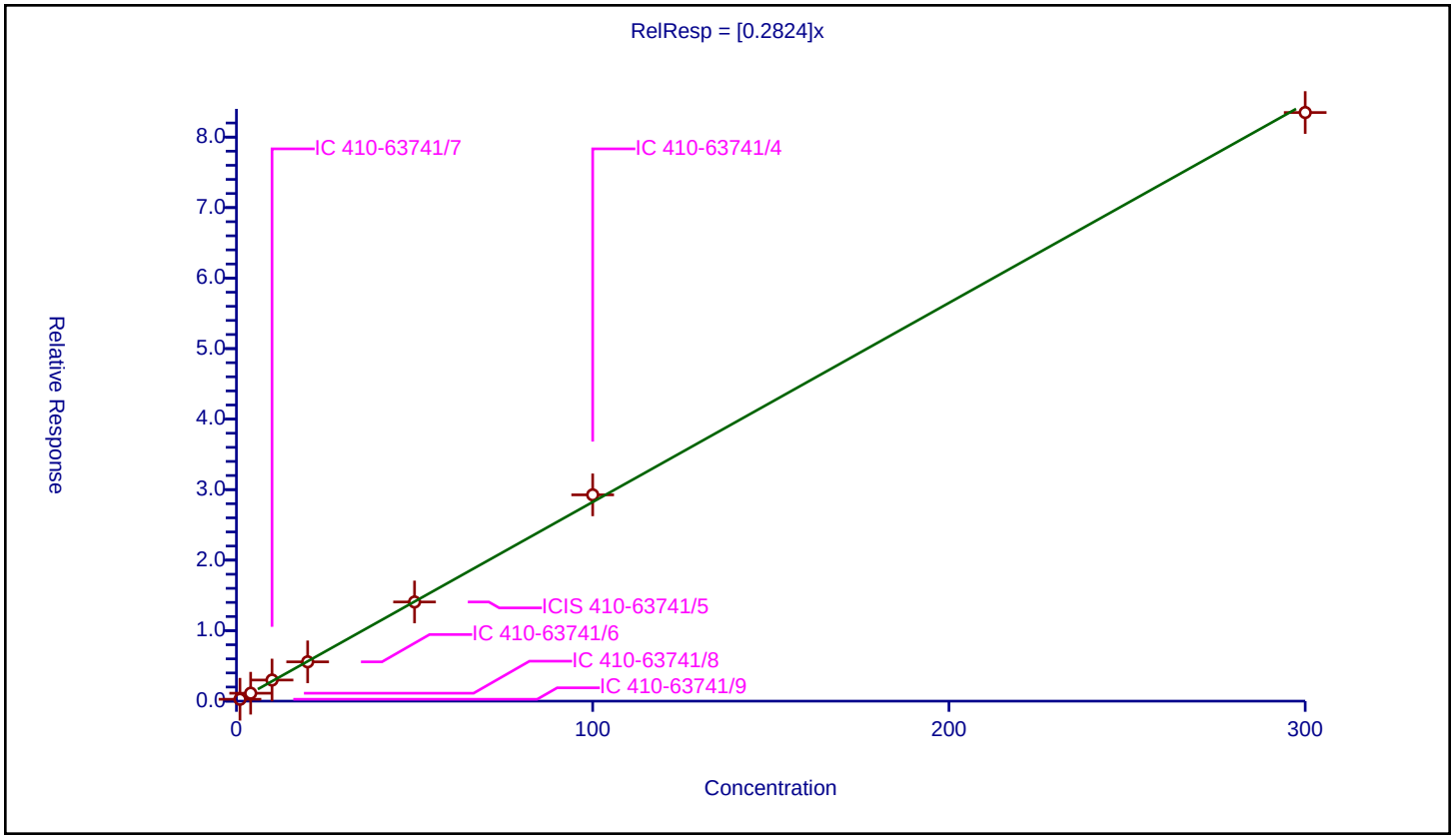
Curve Coefficients

Intercept:	0
Slope:	0.2824

Error Coefficients

Standard Error:	962000
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 410-63741/9	1.0	0.265824	50.0	1310267.0	0.265824	Y
2	IC 410-63741/8	4.0	1.123172	50.0	1290720.0	0.280793	Y
3	IC 410-63741/7	10.0	2.992982	50.0	1283469.0	0.299298	Y
4	IC 410-63741/6	20.0	5.575614	50.0	1284881.0	0.278781	Y
5	ICIS 410-63741/5	50.0	14.064975	50.0	1304709.0	0.2813	Y
6	IC 410-63741/4	100.0	29.259892	50.0	1292662.0	0.292599	Y
7	IC 410-63741/3	300.0	83.485219	50.0	1315464.0	0.278284	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

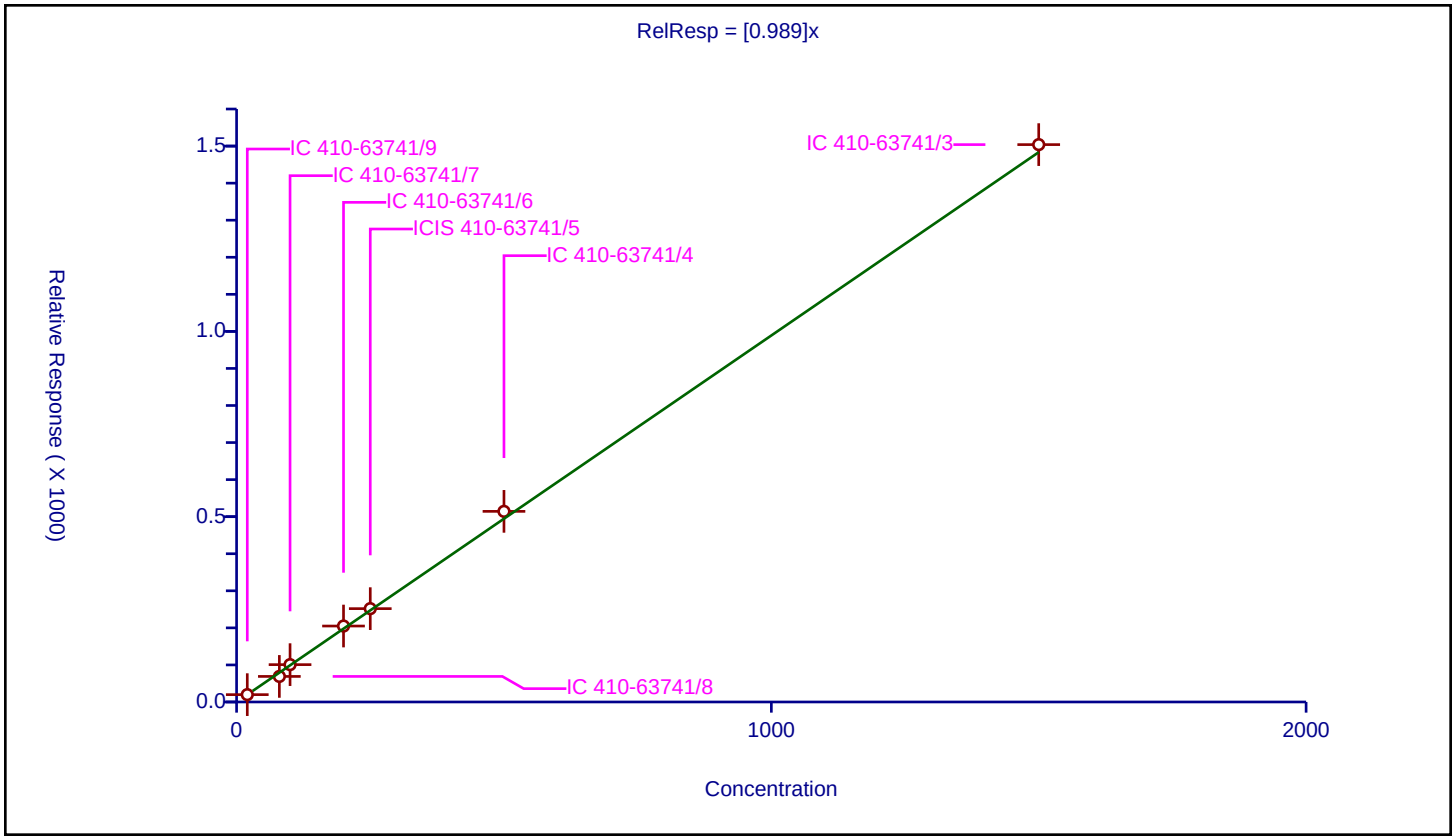
Curve Coefficients

Intercept:	0
Slope:	0.989

Error Coefficients

Standard Error:	798000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	20.0	19.792252	250.0	306092.0	0.989613	Y
2	IC 410-63741/8	80.0	68.940495	250.0	318677.0	0.861756	Y
3	IC 410-63741/7	100.0	100.739641	250.0	301768.0	1.007396	Y
4	IC 410-63741/6	200.0	204.986532	250.0	305914.0	1.024933	Y
5	ICIS 410-63741/5	250.0	251.905826	250.0	325187.0	1.007623	Y
6	IC 410-63741/4	500.0	514.384416	250.0	287881.0	1.028769	Y
7	IC 410-63741/3	1500.0	1503.971824	250.0	301247.0	1.002648	Y



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

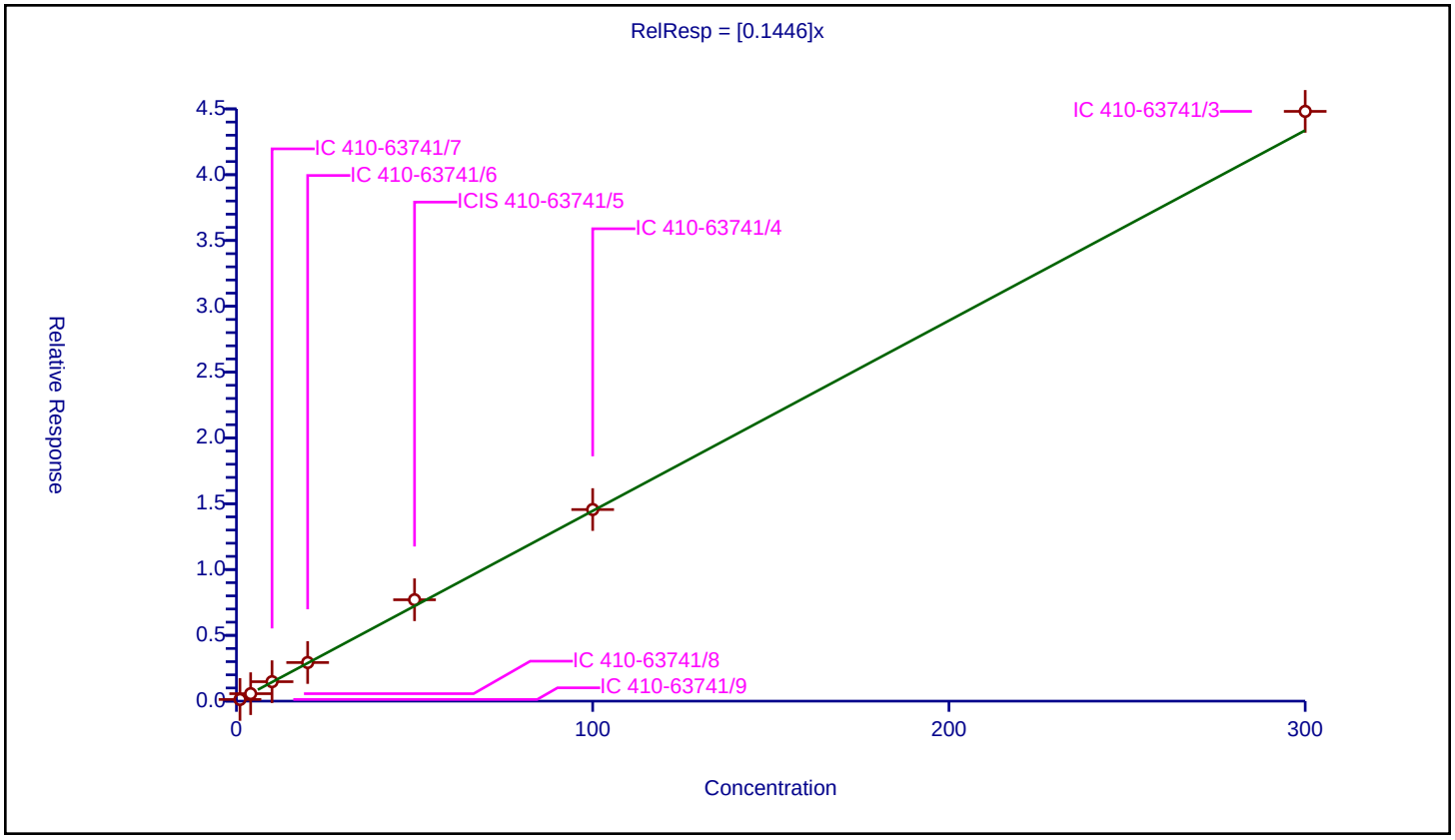
Curve Coefficients

Intercept:	0
Slope:	0.1446

Error Coefficients

Standard Error:	513000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.126577	50.0	1310267.0	0.126577	Y
2	IC 410-63741/8	4.0	0.567203	50.0	1290720.0	0.141801	Y
3	IC 410-63741/7	10.0	1.478337	50.0	1283469.0	0.147834	Y
4	IC 410-63741/6	20.0	2.934318	50.0	1284881.0	0.146716	Y
5	ICIS 410-63741/5	50.0	7.703135	50.0	1304709.0	0.154063	Y
6	IC 410-63741/4	100.0	14.556473	50.0	1292662.0	0.145565	Y
7	IC 410-63741/3	300.0	44.811337	50.0	1315464.0	0.149371	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

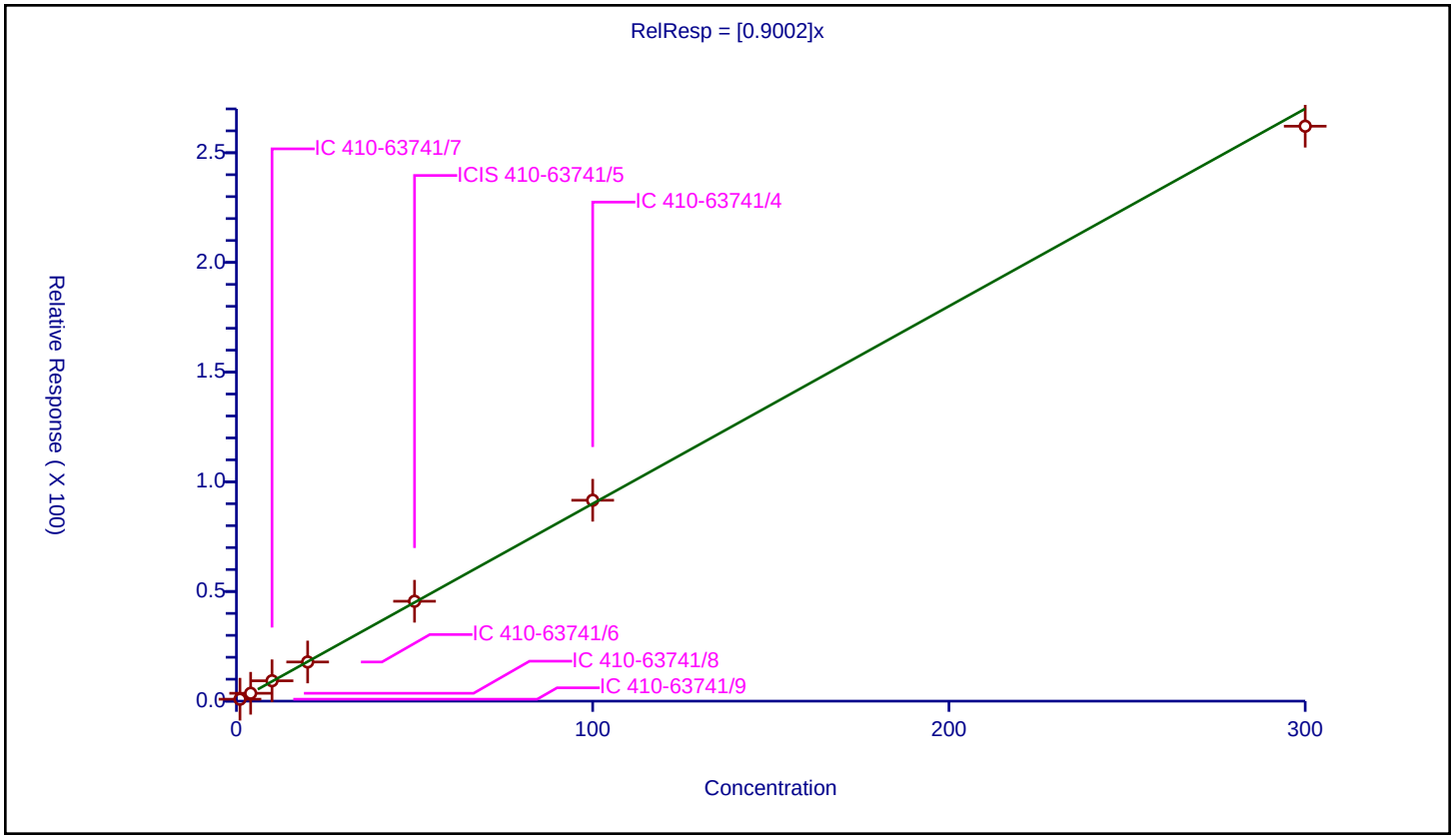
Curve Coefficients

Intercept:	0
Slope:	0.9002

Error Coefficients

Standard Error:	3020000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.881958	50.0	1310267.0	0.881958	Y
2	IC 410-63741/8	4.0	3.590787	50.0	1290720.0	0.897697	Y
3	IC 410-63741/7	10.0	9.284876	50.0	1283469.0	0.928488	Y
4	IC 410-63741/6	20.0	17.857646	50.0	1284881.0	0.892882	Y
5	ICIS 410-63741/5	50.0	45.541841	50.0	1304709.0	0.910837	Y
6	IC 410-63741/4	100.0	91.578734	50.0	1292662.0	0.915787	Y
7	IC 410-63741/3	300.0	262.106717	50.0	1315464.0	0.873689	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

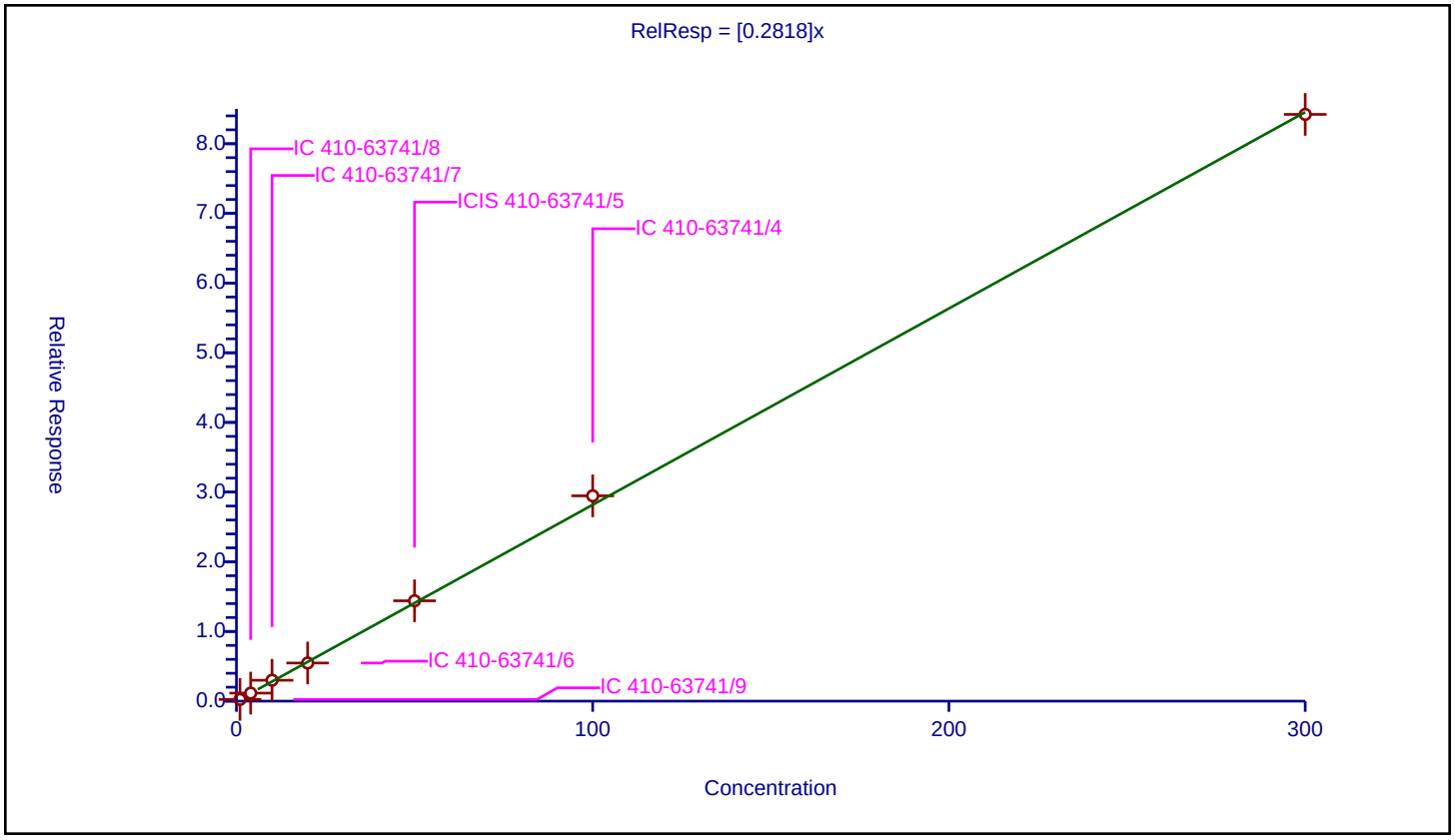
Curve Coefficients

Intercept:	0
Slope:	0.2818

Error Coefficients

Standard Error:	971000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.247354	50.0	1310267.0	0.247354	Y
2	IC 410-63741/8	4.0	1.151993	50.0	1290720.0	0.287998	Y
3	IC 410-63741/7	10.0	3.000501	50.0	1283469.0	0.30005	Y
4	IC 410-63741/6	20.0	5.471402	50.0	1284881.0	0.27357	Y
5	ICIS 410-63741/5	50.0	14.40187	50.0	1304709.0	0.288037	Y
6	IC 410-63741/4	100.0	29.46737	50.0	1292662.0	0.294674	Y
7	IC 410-63741/3	300.0	84.211921	50.0	1315464.0	0.280706	Y



Calibration / Hexane

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

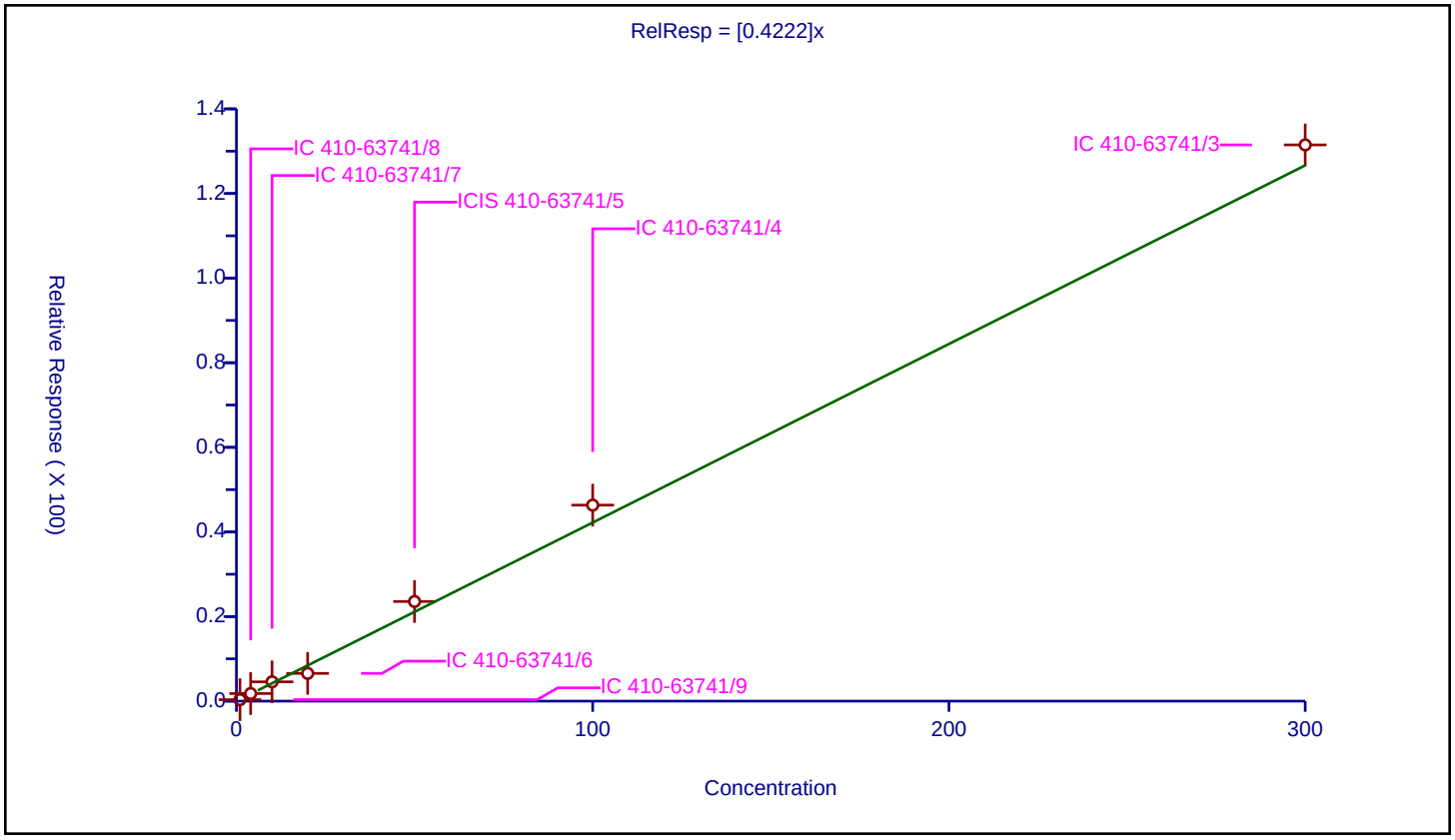
Curve Coefficients

Intercept:	0
Slope:	0.4222

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	13.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.348898	50.0	1310267.0	0.348898	Y
2	IC 410-63741/8	4.0	1.796594	50.0	1290720.0	0.449149	Y
3	IC 410-63741/7	10.0	4.56318	50.0	1283469.0	0.456318	Y
4	IC 410-63741/6	20.0	6.559868	50.0	1284881.0	0.327993	Y
5	ICIS 410-63741/5	50.0	23.553221	50.0	1304709.0	0.471064	Y
6	IC 410-63741/4	100.0	46.335392	50.0	1292662.0	0.463354	Y
7	IC 410-63741/3	300.0	131.490638	50.0	1315464.0	0.438302	Y



Calibration / 1,1-Dichloroethane

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

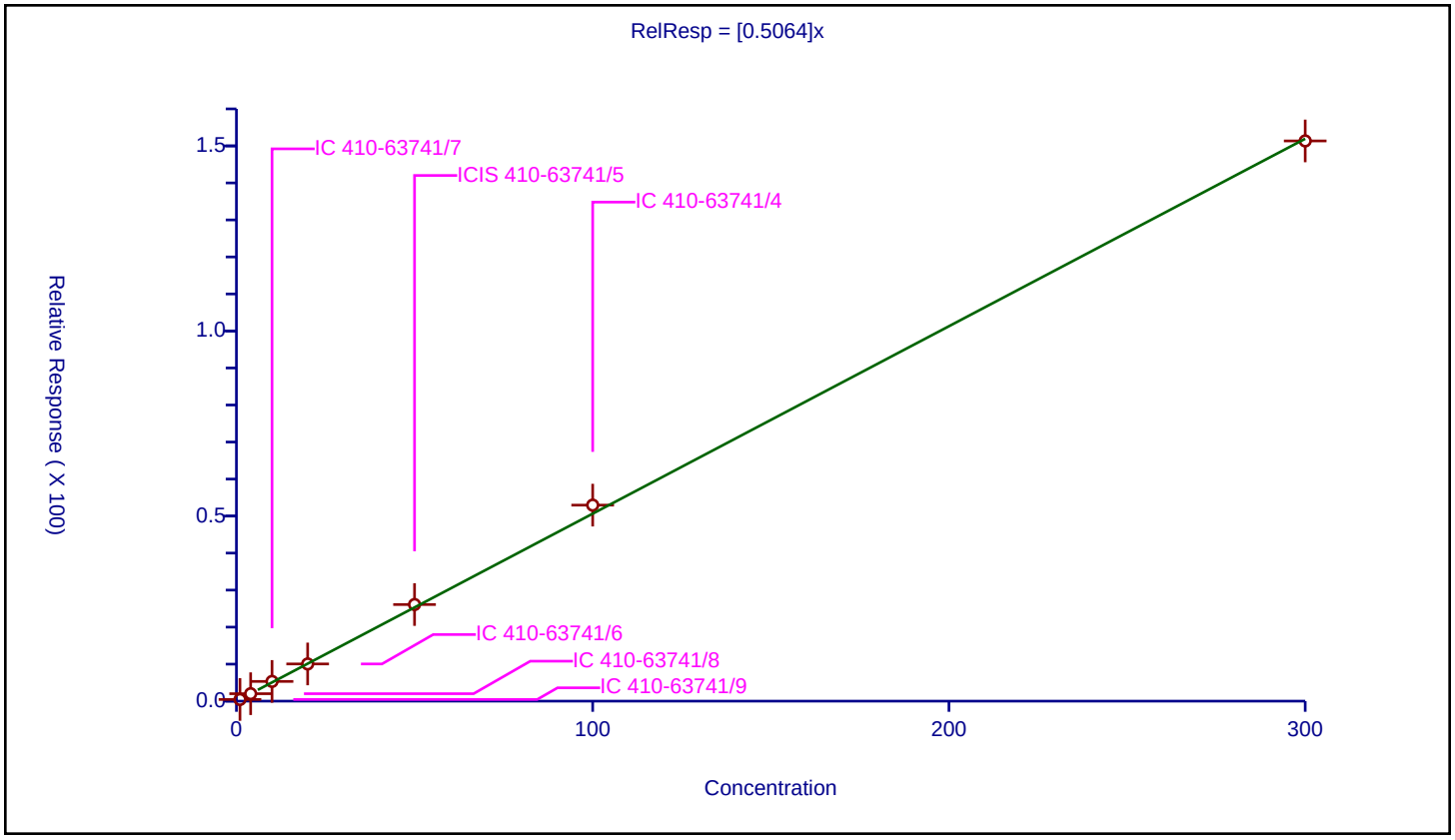
Curve Coefficients

Intercept:	0
Slope:	0.5064

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.451664	50.0	1310267.0	0.451664	Y
2	IC 410-63741/8	4.0	2.008569	50.0	1290720.0	0.502142	Y
3	IC 410-63741/7	10.0	5.326268	50.0	1283469.0	0.532627	Y
4	IC 410-63741/6	20.0	10.050308	50.0	1284881.0	0.502515	Y
5	ICIS 410-63741/5	50.0	26.102296	50.0	1304709.0	0.522046	Y
6	IC 410-63741/4	100.0	52.955954	50.0	1292662.0	0.52956	Y
7	IC 410-63741/3	300.0	151.342606	50.0	1315464.0	0.504475	Y



Calibration / Isopropyl ether

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

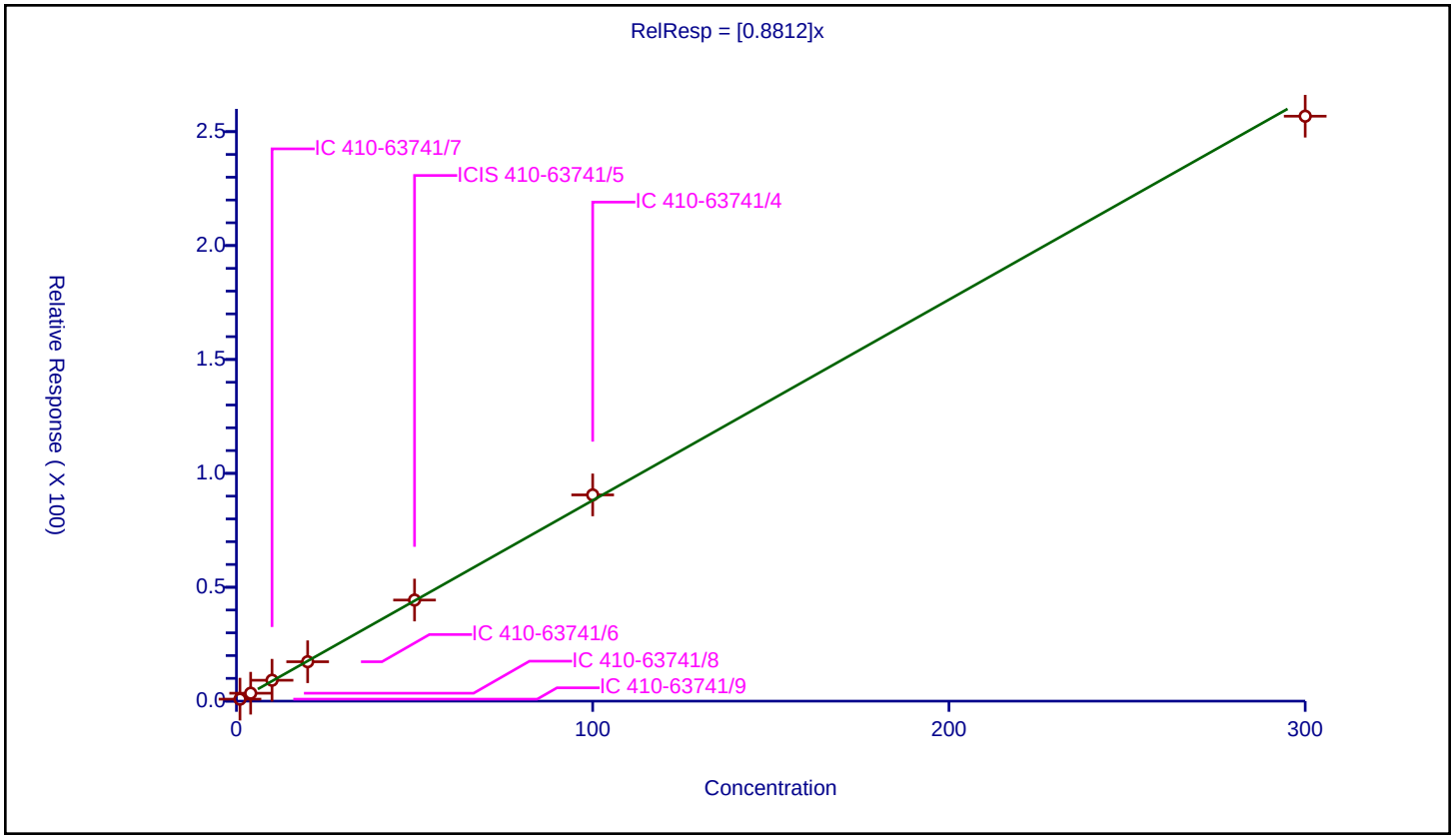
Curve Coefficients

Intercept:	0
Slope:	0.8812

Error Coefficients

Standard Error:	2960000
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 410-63741/9	1.0	0.868716	50.0	1310267.0	0.868716	Y
2	IC 410-63741/8	4.0	3.476625	50.0	1290720.0	0.869156	Y
3	IC 410-63741/7	10.0	9.166992	50.0	1283469.0	0.916699	Y
4	IC 410-63741/6	20.0	17.29919	50.0	1284881.0	0.864959	Y
5	ICIS 410-63741/5	50.0	44.377444	50.0	1304709.0	0.887549	Y
6	IC 410-63741/4	100.0	90.541108	50.0	1292662.0	0.905411	Y
7	IC 410-63741/3	300.0	256.796119	50.0	1315464.0	0.855987	Y



Calibration / 2-Chloro-1,3-butadiene

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

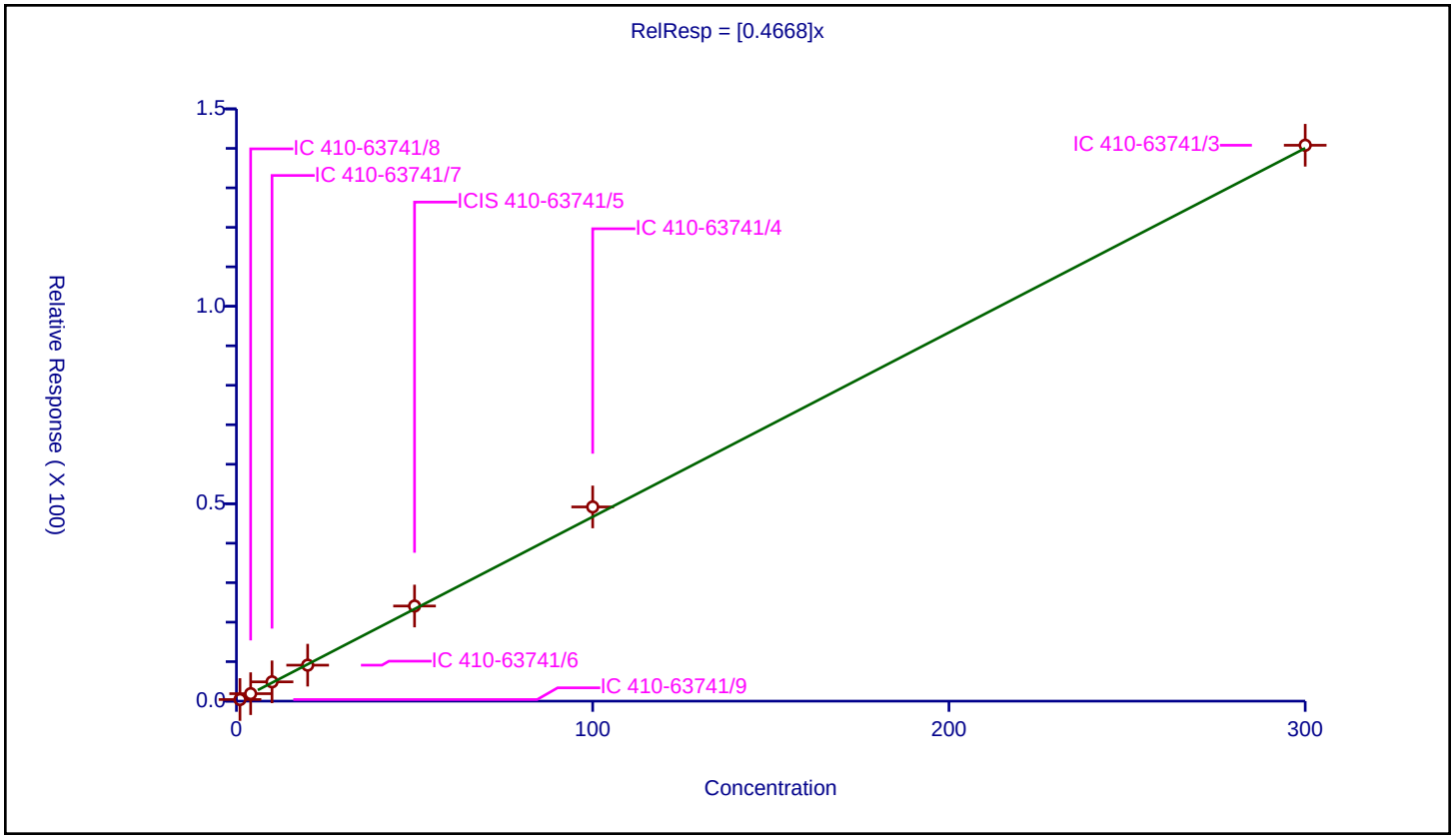
Curve Coefficients

Intercept:	0
Slope:	0.4668

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.406749	50.0	1310267.0	0.406749	Y
2	IC 410-63741/8	4.0	1.89495	50.0	1290720.0	0.473738	Y
3	IC 410-63741/7	10.0	4.886016	50.0	1283469.0	0.488602	Y
4	IC 410-63741/6	20.0	9.113217	50.0	1284881.0	0.455661	Y
5	ICIS 410-63741/5	50.0	24.090851	50.0	1304709.0	0.481817	Y
6	IC 410-63741/4	100.0	49.188922	50.0	1292662.0	0.491889	Y
7	IC 410-63741/3	300.0	140.793097	50.0	1315464.0	0.46931	Y



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

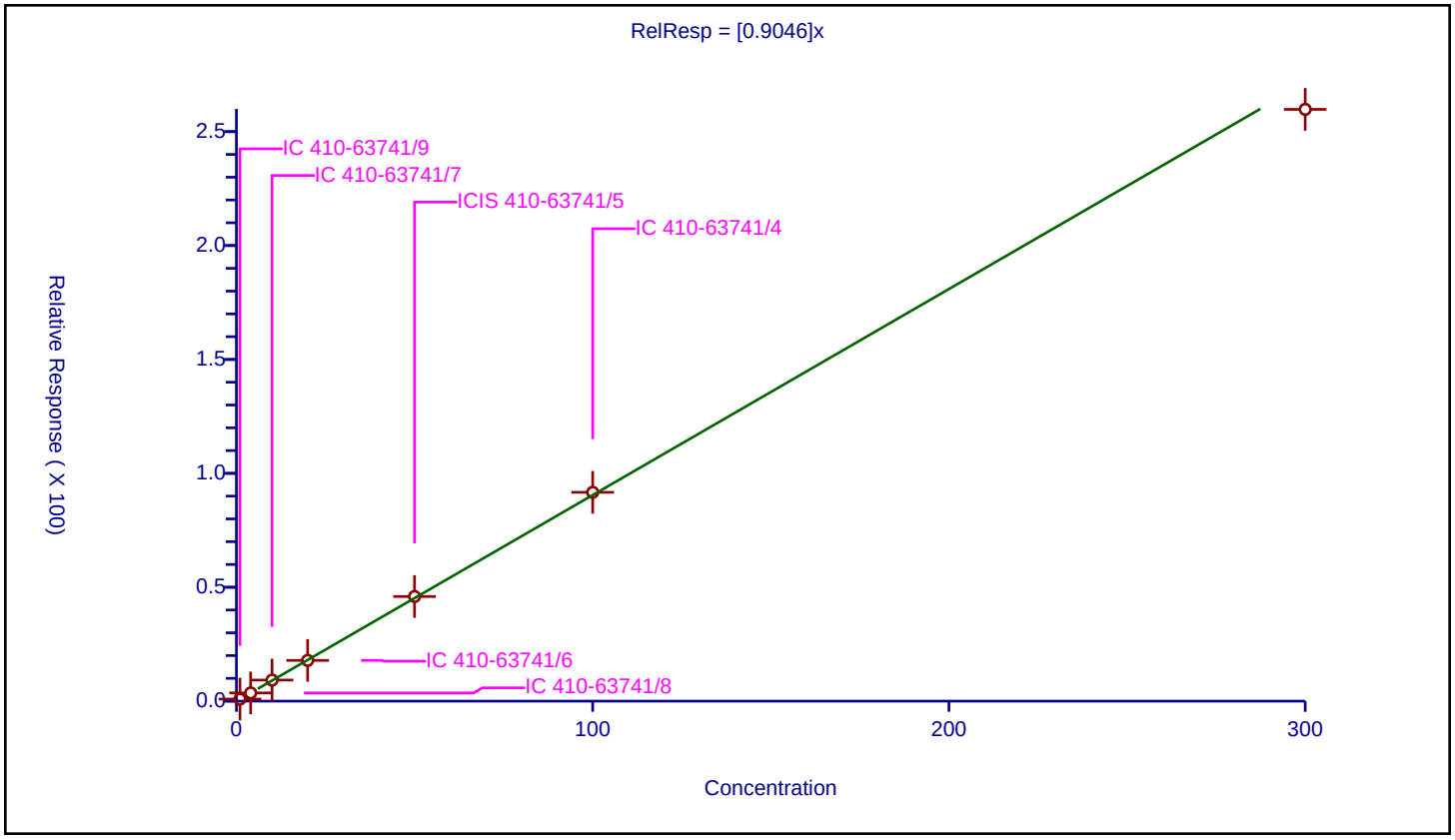
Curve Coefficients

Intercept:	0
Slope:	0.9046

Error Coefficients

Standard Error:	3000000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.909586	50.0	1310267.0	0.909586	Y
2	IC 410-63741/8	4.0	3.607095	50.0	1290720.0	0.901774	Y
3	IC 410-63741/7	10.0	9.252736	50.0	1283469.0	0.925274	Y
4	IC 410-63741/6	20.0	17.884419	50.0	1284881.0	0.894221	Y
5	ICIS 410-63741/5	50.0	45.934534	50.0	1304709.0	0.918691	Y
6	IC 410-63741/4	100.0	91.679225	50.0	1292662.0	0.916792	Y
7	IC 410-63741/3	300.0	259.78457	50.0	1315464.0	0.865949	Y



Calibration / 2-Butanone (MEK)

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

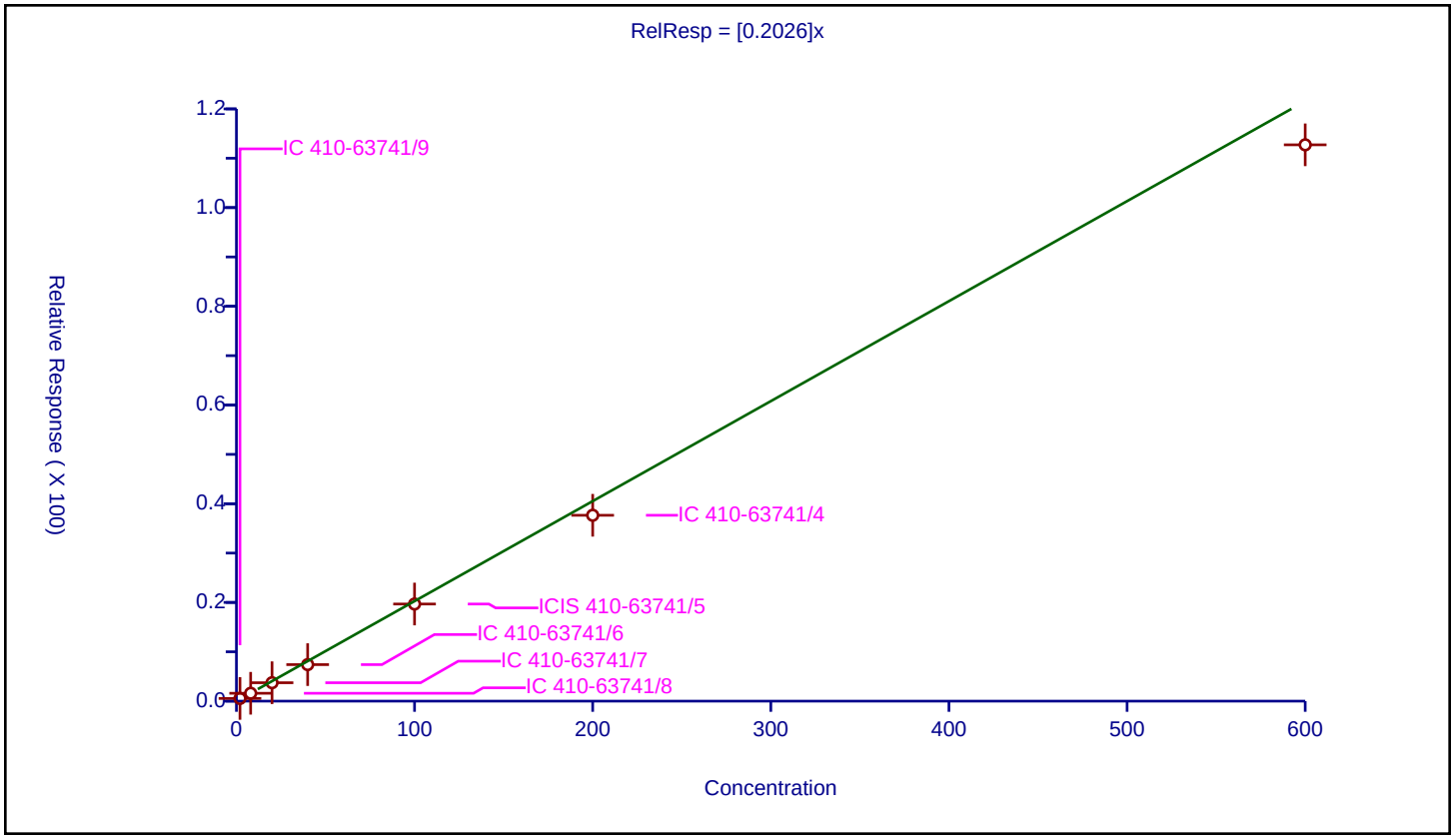
Curve Coefficients

Intercept:	0
Slope:	0.2026

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	15.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	2.0	0.548819	50.0	1310267.0	0.27441	Y
2	IC 410-63741/8	8.0	1.595389	50.0	1290720.0	0.199424	Y
3	IC 410-63741/7	20.0	3.730476	50.0	1283469.0	0.186524	Y
4	IC 410-63741/6	40.0	7.399129	50.0	1284881.0	0.184978	Y
5	ICIS 410-63741/5	100.0	19.68071	50.0	1304709.0	0.196807	Y
6	IC 410-63741/4	200.0	37.658723	50.0	1292662.0	0.188294	Y
7	IC 410-63741/3	600.0	112.719504	50.0	1315464.0	0.187866	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

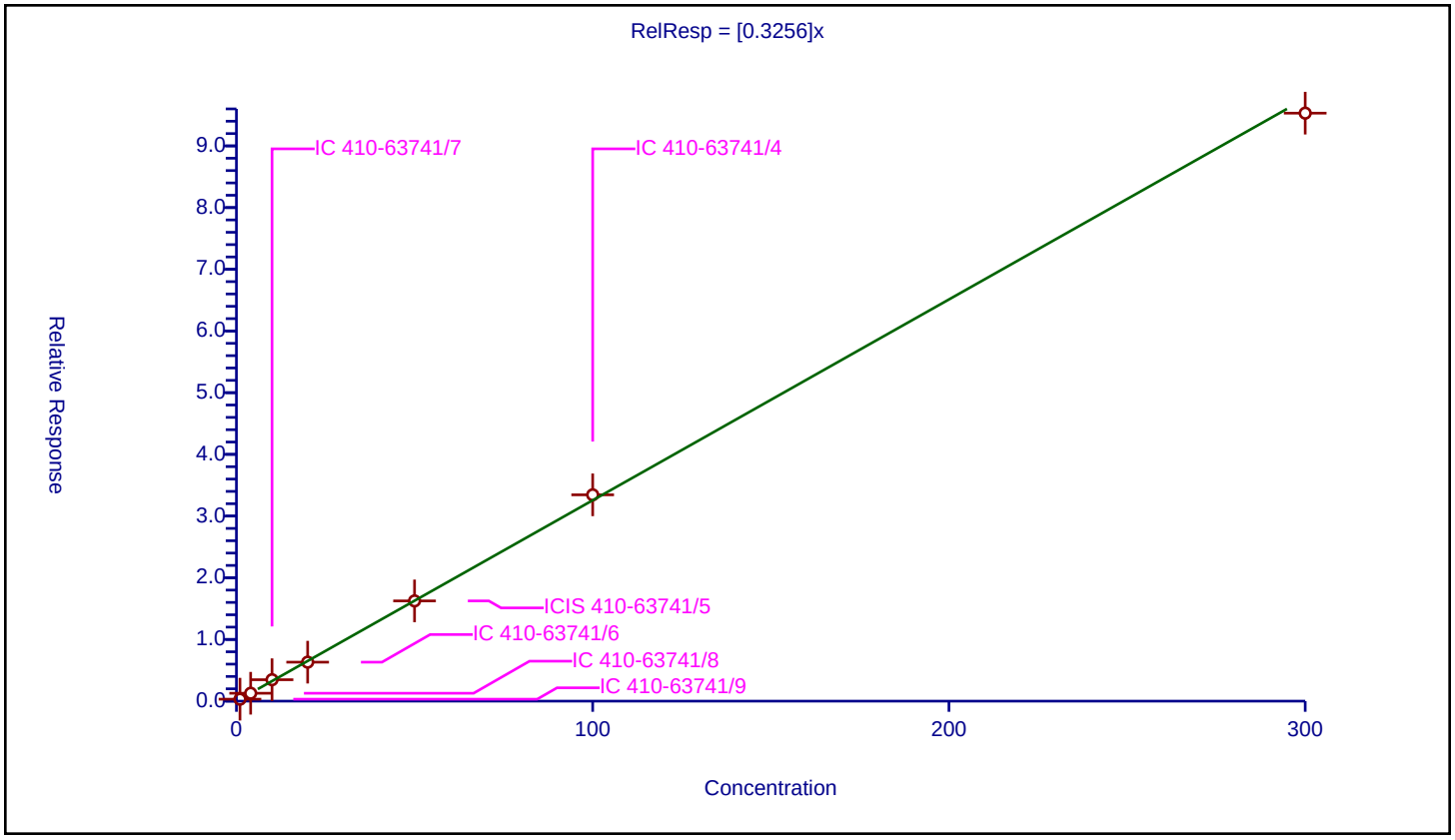
Curve Coefficients

Intercept:	0
Slope:	0.3256

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.318523	50.0	1310267.0	0.318523	Y
2	IC 410-63741/8	4.0	1.280099	50.0	1290720.0	0.320025	Y
3	IC 410-63741/7	10.0	3.473282	50.0	1283469.0	0.347328	Y
4	IC 410-63741/6	20.0	6.319262	50.0	1284881.0	0.315963	Y
5	ICIS 410-63741/5	50.0	16.24619	50.0	1304709.0	0.324924	Y
6	IC 410-63741/4	100.0	33.442346	50.0	1292662.0	0.334423	Y
7	IC 410-63741/3	300.0	95.308462	50.0	1315464.0	0.317695	Y



Calibration / 2,2-Dichloropropane

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

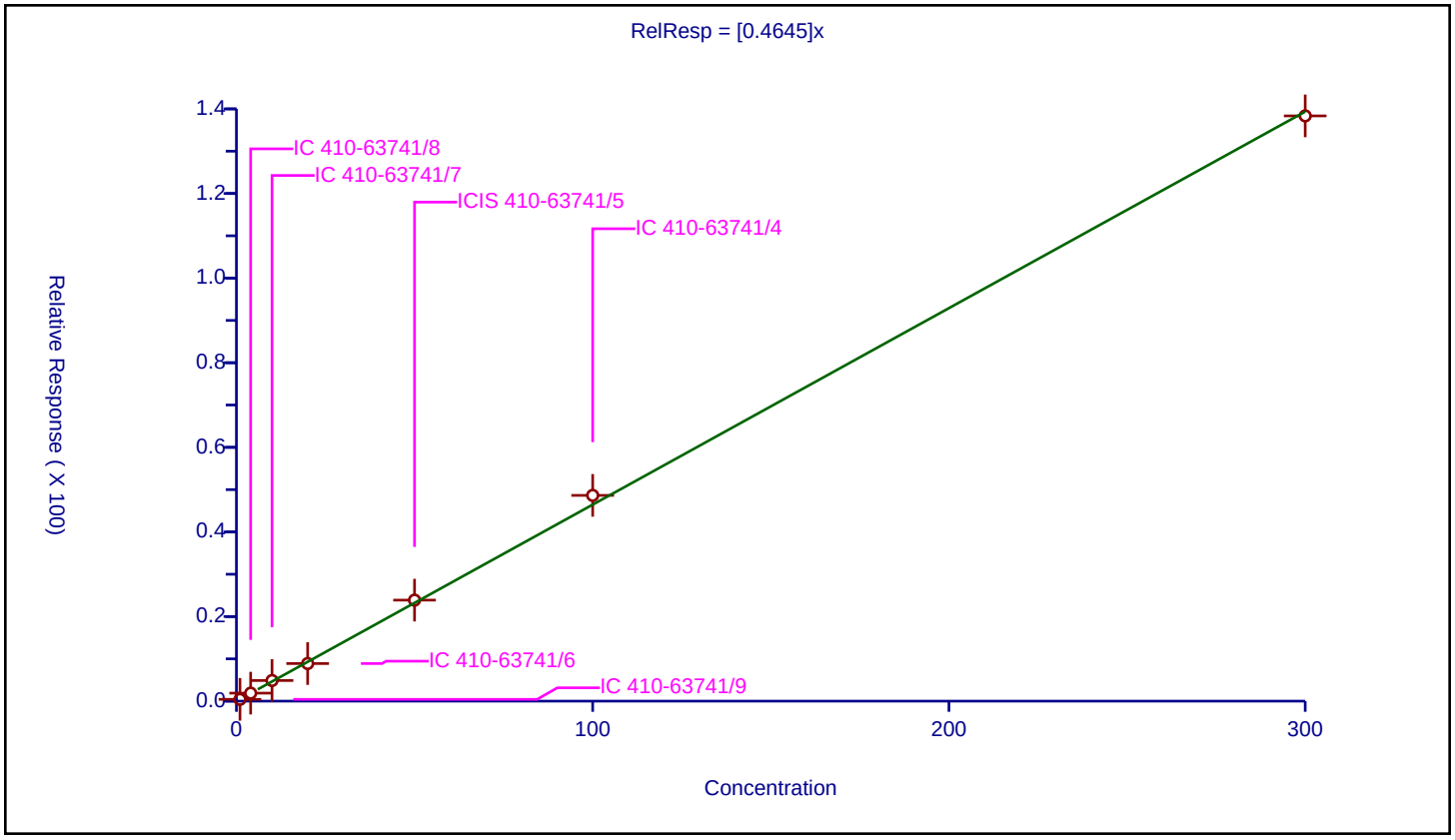
Curve Coefficients

Intercept:	0
Slope:	0.4645

Error Coefficients

Standard Error:	1600000
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 410-63741/9	1.0	0.422051	50.0	1310267.0	0.422051	Y
2	IC 410-63741/8	4.0	1.889023	50.0	1290720.0	0.472256	Y
3	IC 410-63741/7	10.0	4.876316	50.0	1283469.0	0.487632	Y
4	IC 410-63741/6	20.0	8.887671	50.0	1284881.0	0.444384	Y
5	ICIS 410-63741/5	50.0	23.879424	50.0	1304709.0	0.477588	Y
6	IC 410-63741/4	100.0	48.638855	50.0	1292662.0	0.486389	Y
7	IC 410-63741/3	300.0	138.345329	50.0	1315464.0	0.461151	Y



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

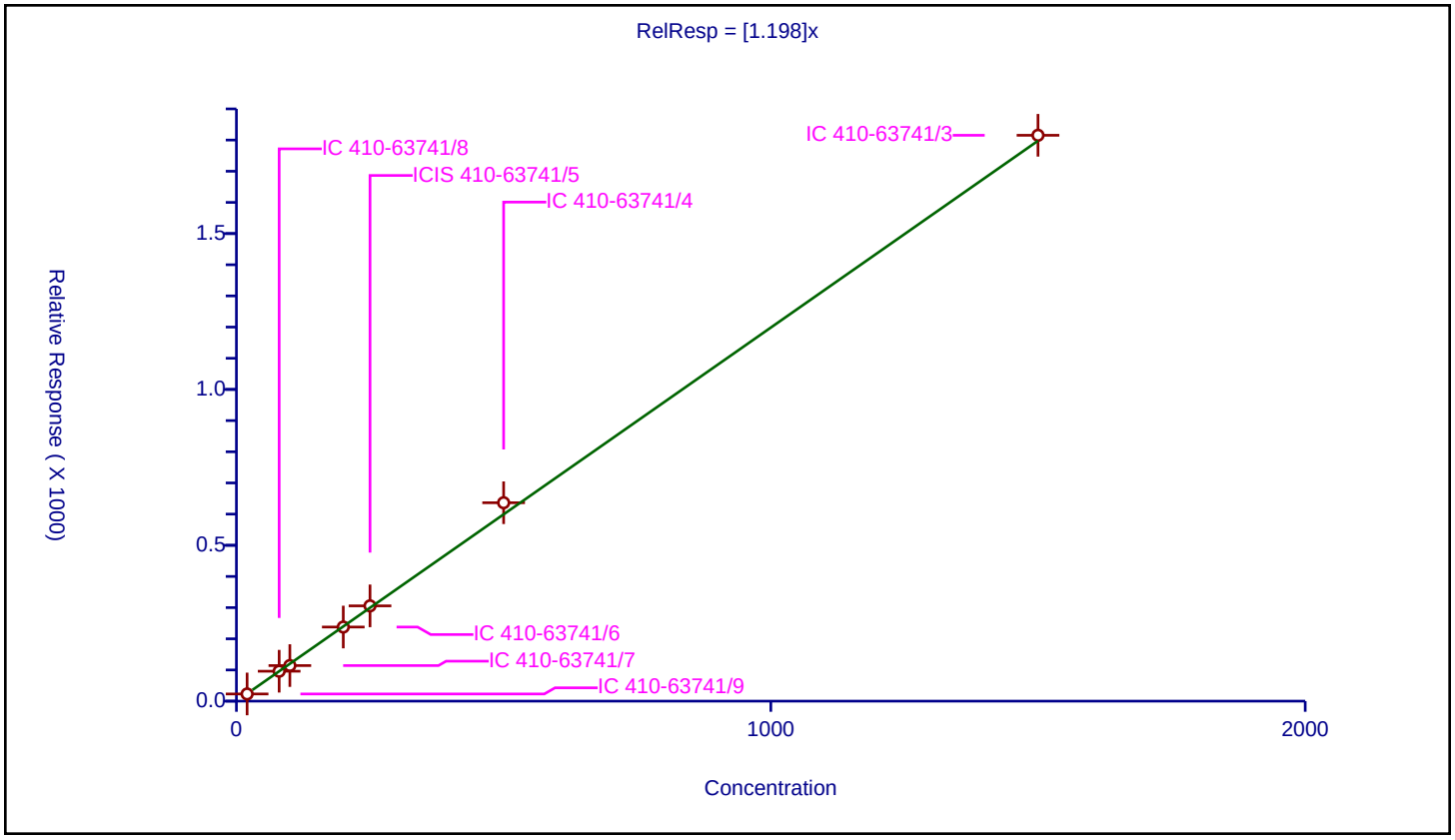
Curve Coefficients

Intercept:	0
Slope:	1.198

Error Coefficients

Standard Error:	965000
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 410-63741/9	20.0	23.044542	250.0	306092.0	1.152227	Y
2	IC 410-63741/8	80.0	96.026698	250.0	318677.0	1.200334	Y
3	IC 410-63741/7	100.0	114.14812	250.0	301768.0	1.141481	Y
4	IC 410-63741/6	200.0	237.774342	250.0	305914.0	1.188872	Y
5	ICIS 410-63741/5	250.0	305.70564	250.0	325187.0	1.222823	Y
6	IC 410-63741/4	500.0	636.499109	250.0	287881.0	1.272998	Y
7	IC 410-63741/3	1500.0	1815.331771	250.0	301247.0	1.210221	Y



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

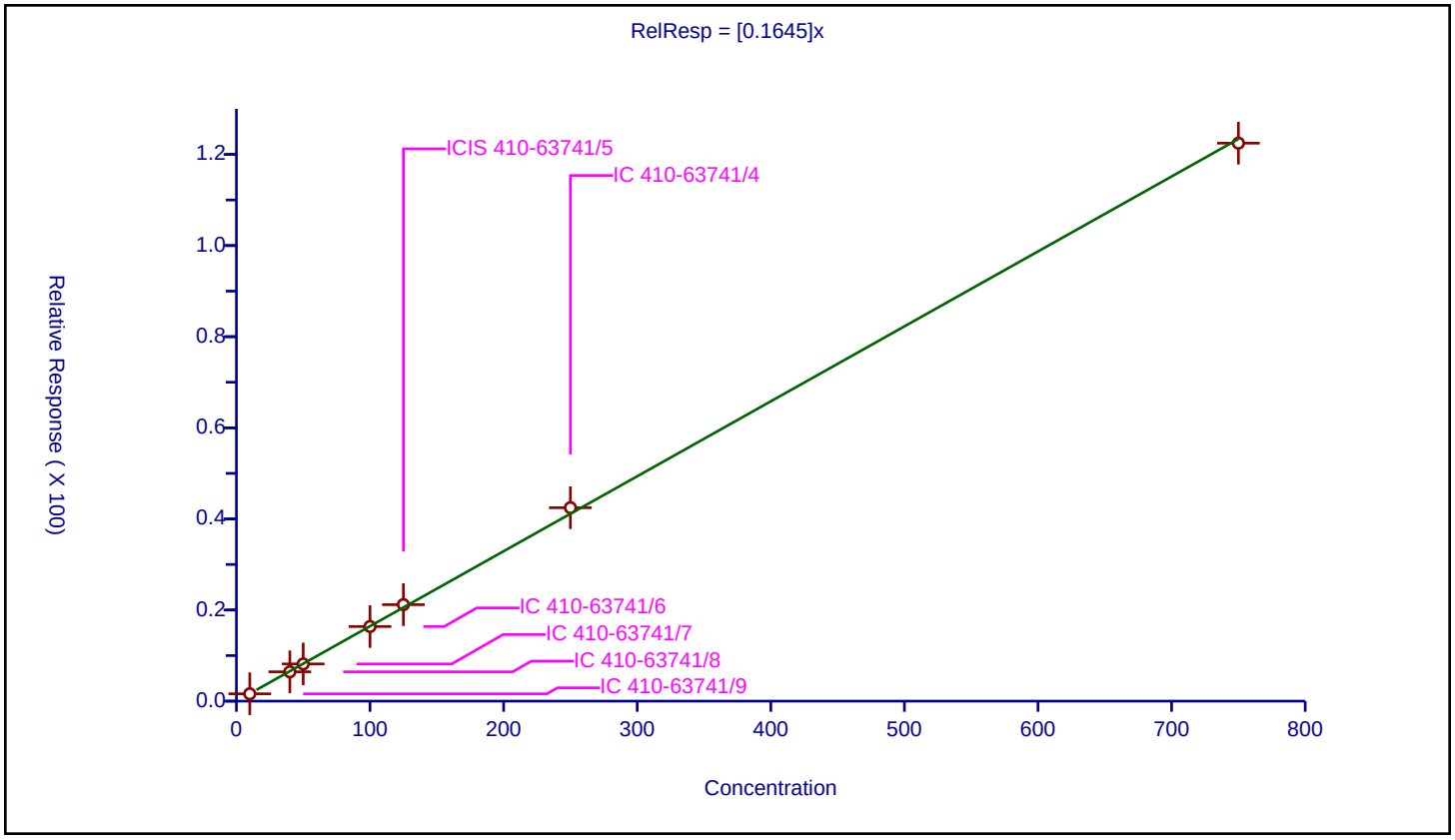
Curve Coefficients

Intercept:	0
Slope:	0.1645

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	10.0	1.61055	50.0	1310267.0	0.161055	Y
2	IC 410-63741/8	40.0	6.440281	50.0	1290720.0	0.161007	Y
3	IC 410-63741/7	50.0	8.161709	50.0	1283469.0	0.163234	Y
4	IC 410-63741/6	100.0	16.380505	50.0	1284881.0	0.163805	Y
5	ICIS 410-63741/5	125.0	21.178132	50.0	1304709.0	0.169425	Y
6	IC 410-63741/4	250.0	42.456574	50.0	1292662.0	0.169826	Y
7	IC 410-63741/3	750.0	122.474959	50.0	1315464.0	0.1633	Y



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

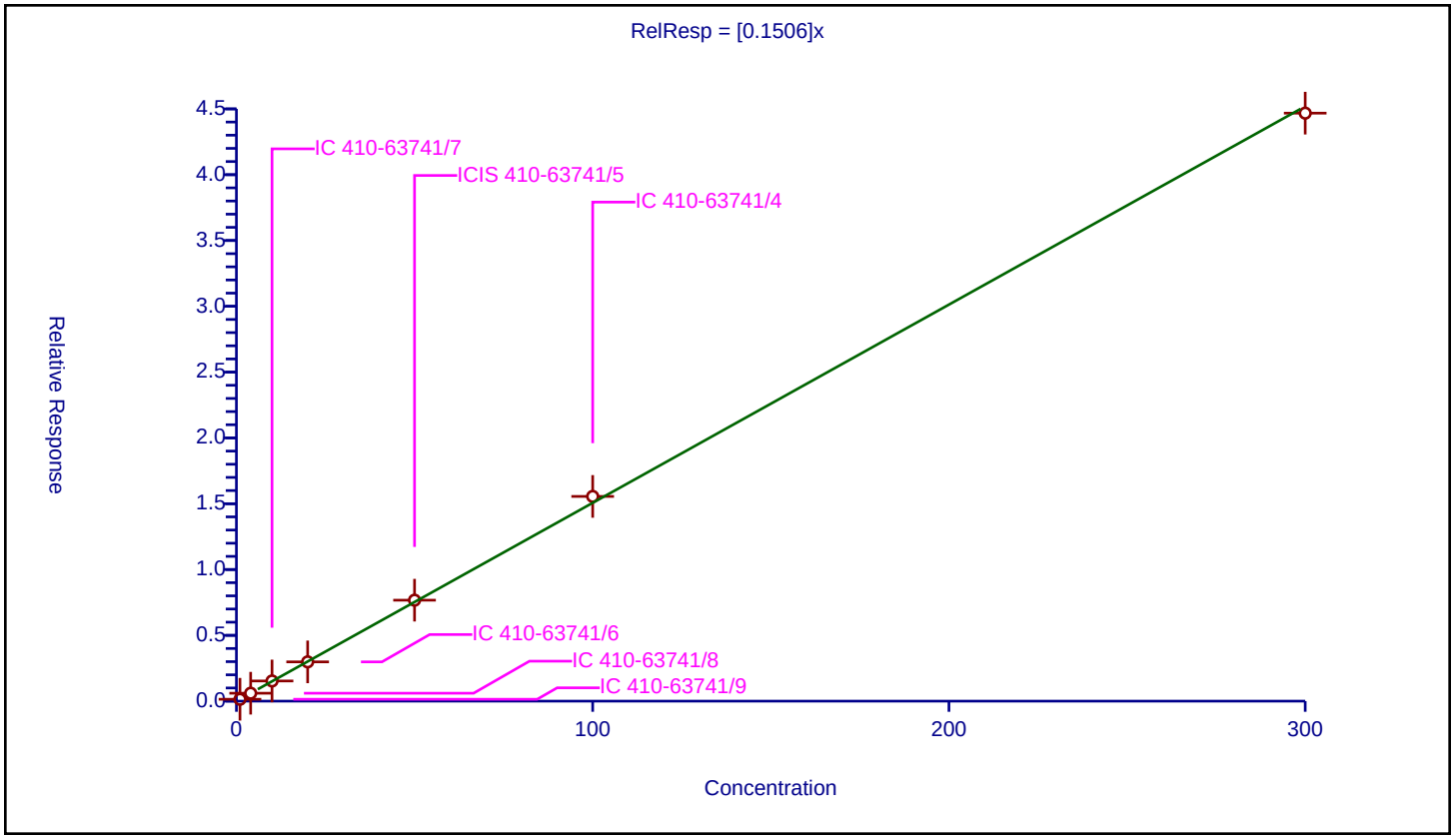
Curve Coefficients

Intercept:	0
Slope:	0.1506

Error Coefficients

Standard Error:	515000
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 410-63741/9	1.0	0.143597	50.0	1310267.0	0.143597	Y
2	IC 410-63741/8	4.0	0.602183	50.0	1290720.0	0.150546	Y
3	IC 410-63741/7	10.0	1.533539	50.0	1283469.0	0.153354	Y
4	IC 410-63741/6	20.0	2.983039	50.0	1284881.0	0.149152	Y
5	ICIS 410-63741/5	50.0	7.670868	50.0	1304709.0	0.153417	Y
6	IC 410-63741/4	100.0	15.556	50.0	1292662.0	0.15556	Y
7	IC 410-63741/3	300.0	44.675225	50.0	1315464.0	0.148917	Y



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

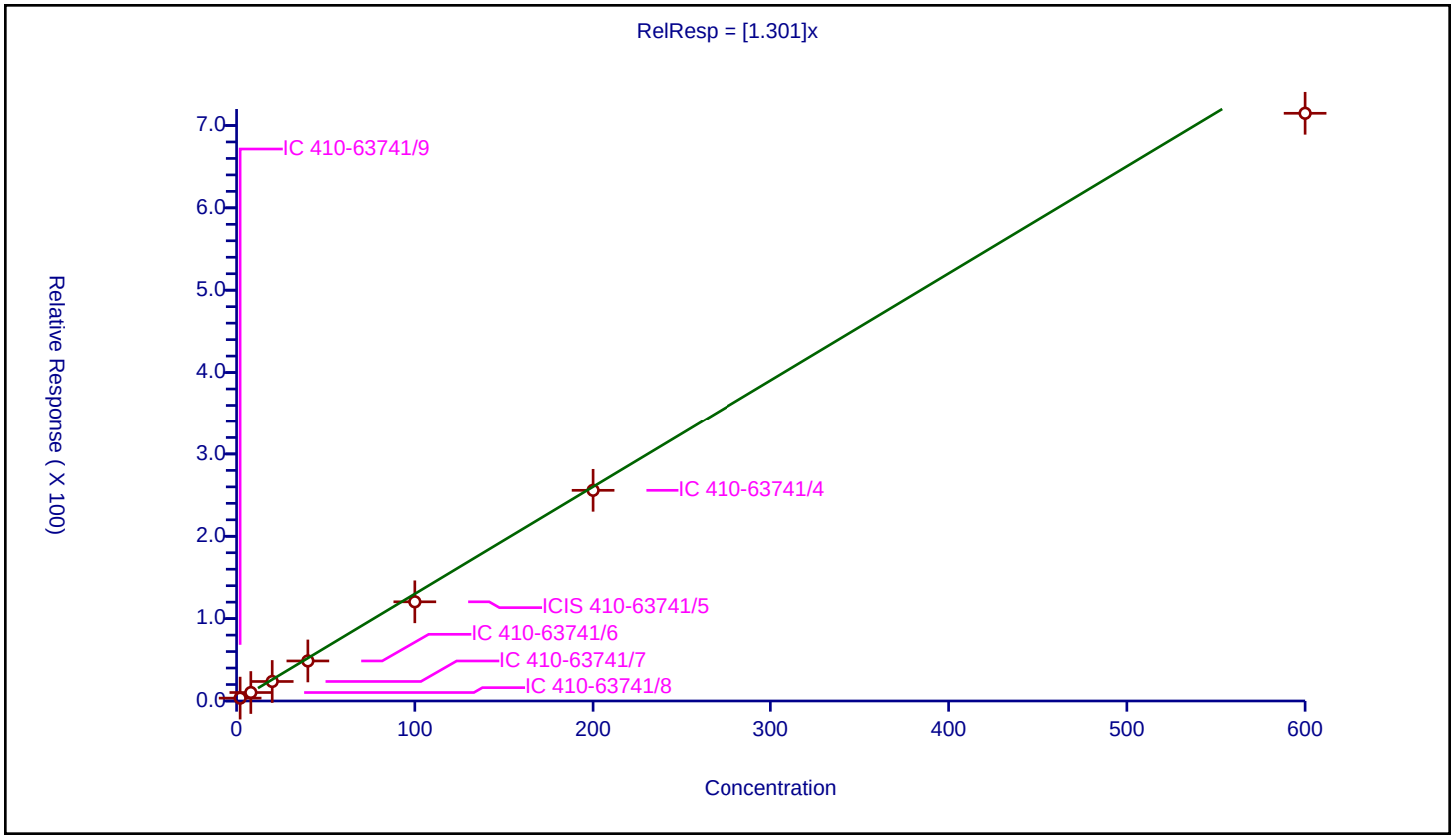
Curve Coefficients

Intercept:	0
Slope:	1.301

Error Coefficients

Standard Error:	378000
Relative Standard Error:	15.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	2.0	3.491597	250.0	306092.0	1.745799	Y
2	IC 410-63741/8	8.0	10.280001	250.0	318677.0	1.285	Y
3	IC 410-63741/7	20.0	23.700326	250.0	301768.0	1.185016	Y
4	IC 410-63741/6	40.0	48.605981	250.0	305914.0	1.21515	Y
5	ICIS 410-63741/5	100.0	120.429937	250.0	325187.0	1.204299	Y
6	IC 410-63741/4	200.0	255.82185	250.0	287881.0	1.279109	Y
7	IC 410-63741/3	600.0	714.814587	250.0	301247.0	1.191358	Y



Calibration / Chloroform

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

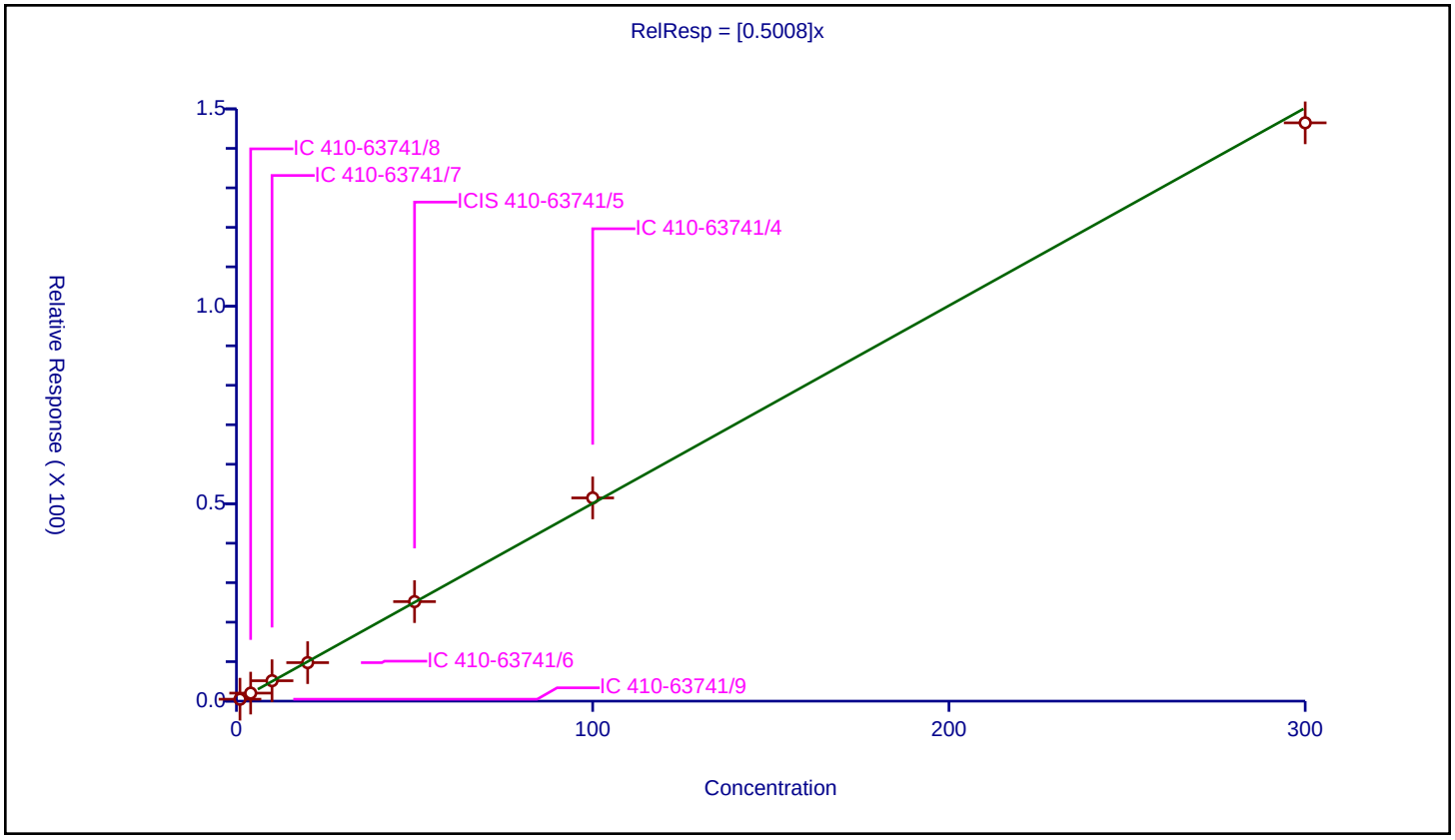
Curve Coefficients

Intercept:	0
Slope:	0.5008

Error Coefficients

Standard Error:	1690000
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 410-63741/9	1.0	0.486237	50.0	1310267.0	0.486237	Y
2	IC 410-63741/8	4.0	2.033051	50.0	1290720.0	0.508263	Y
3	IC 410-63741/7	10.0	5.167791	50.0	1283469.0	0.516779	Y
4	IC 410-63741/6	20.0	9.749463	50.0	1284881.0	0.487473	Y
5	ICIS 410-63741/5	50.0	25.202018	50.0	1304709.0	0.50404	Y
6	IC 410-63741/4	100.0	51.474786	50.0	1292662.0	0.514748	Y
7	IC 410-63741/3	300.0	146.471473	50.0	1315464.0	0.488238	Y



Calibration / Dibromofluoromethane (Surr)

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

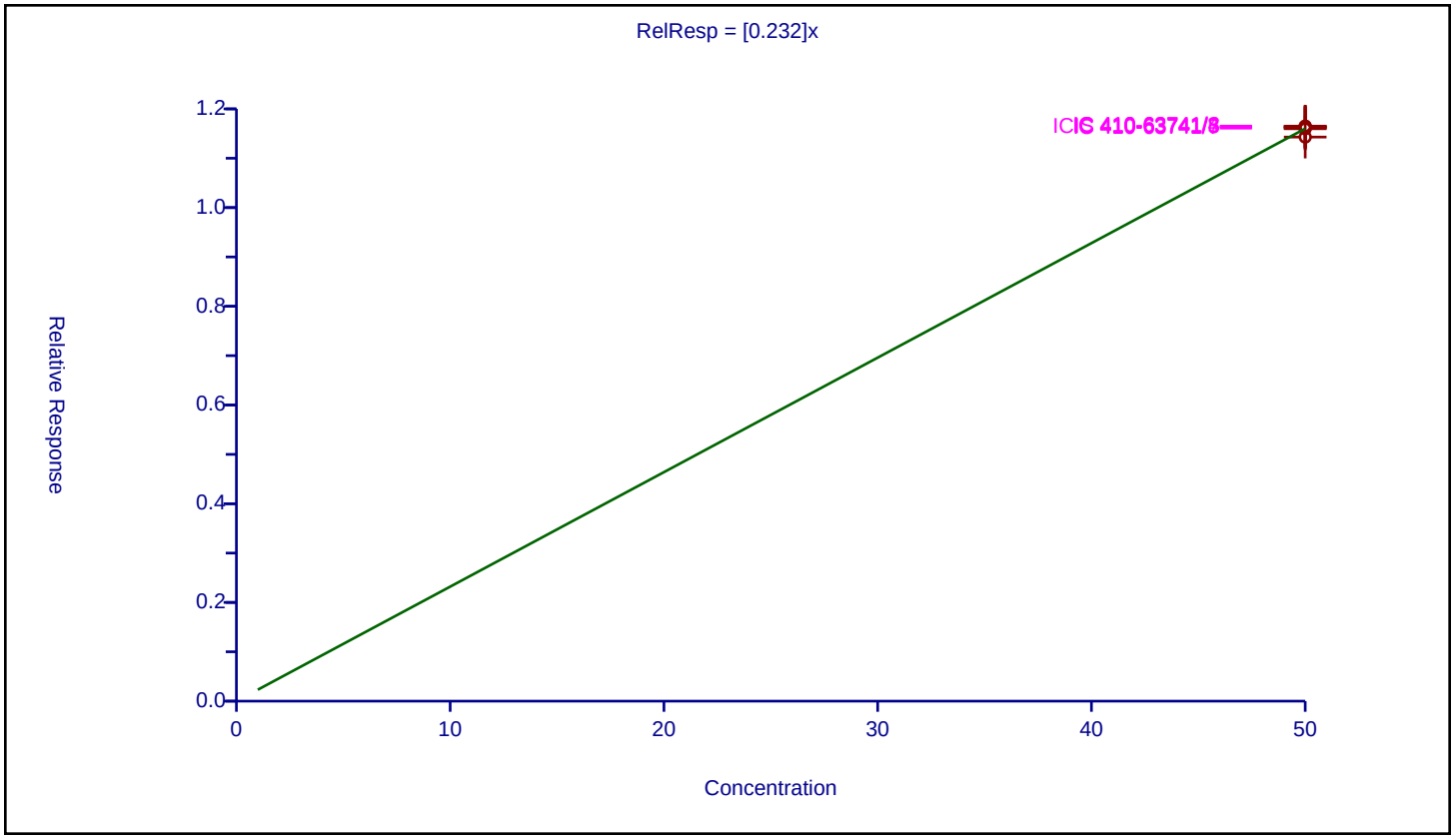
Curve Coefficients

Intercept:	0
Slope:	0.232

Error Coefficients

Standard Error:	325000
Relative Standard Error:	0.7
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/3	50.0	11.630003	50.0	1315464.0	0.2326	Y
2	IC 410-63741/4	50.0	11.6503	50.0	1292662.0	0.233006	Y
3	ICIS 410-63741/5	50.0	11.632364	50.0	1304709.0	0.232647	Y
4	IC 410-63741/6	50.0	11.598078	50.0	1284881.0	0.231962	Y
5	IC 410-63741/7	50.0	11.609864	50.0	1283469.0	0.232197	Y
6	IC 410-63741/8	50.0	11.645593	50.0	1290720.0	0.232912	Y
7	IC 410-63741/9	50.0	11.429274	50.0	1310267.0	0.228585	Y



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

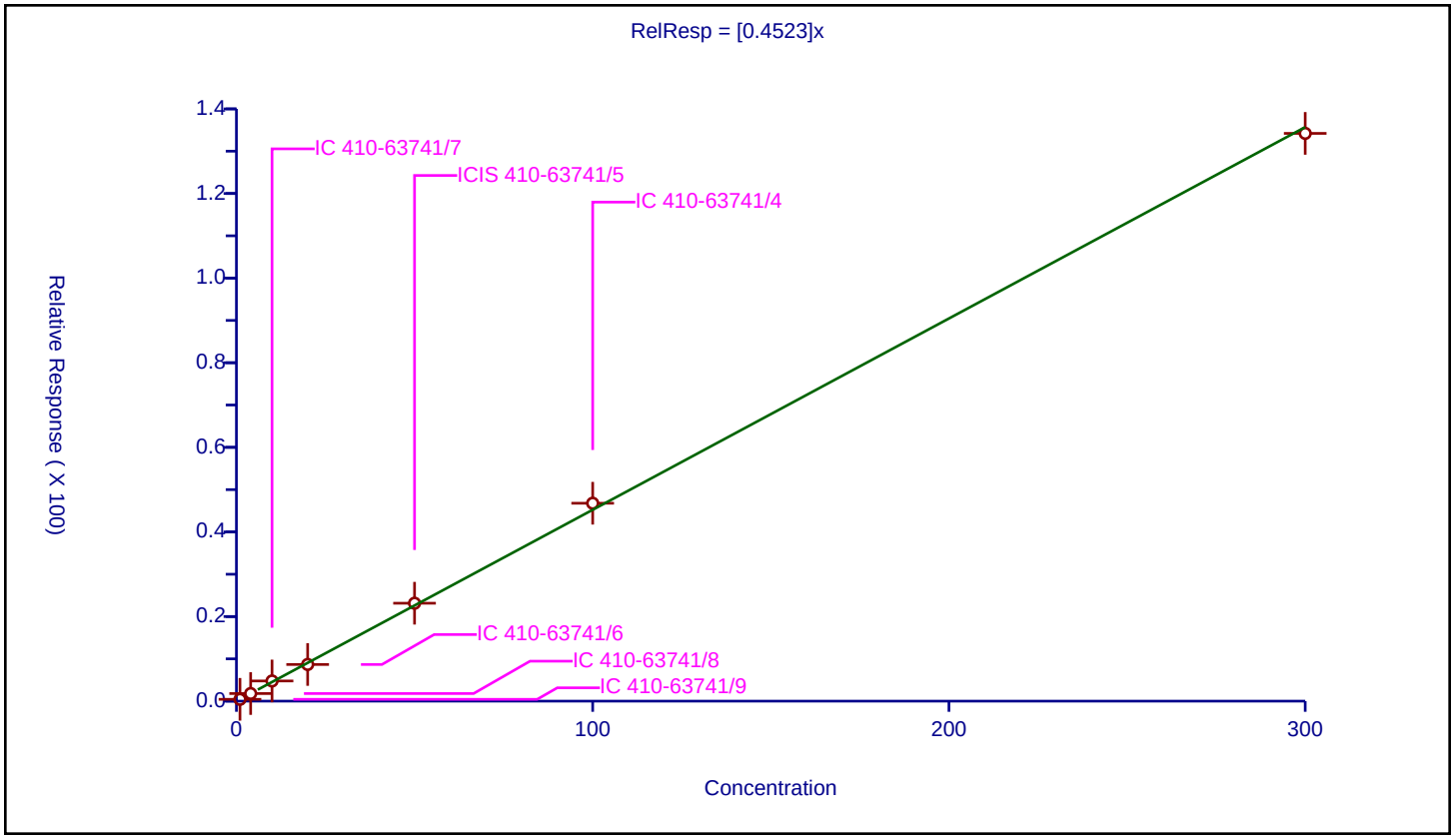
Curve Coefficients

Intercept:	0
Slope:	0.4523

Error Coefficients

Standard Error:	1550000
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 410-63741/9	1.0	0.428577	50.0	1310267.0	0.428577	Y
2	IC 410-63741/8	4.0	1.795664	50.0	1290720.0	0.448916	Y
3	IC 410-63741/7	10.0	4.77195	50.0	1283469.0	0.477195	Y
4	IC 410-63741/6	20.0	8.664265	50.0	1284881.0	0.433213	Y
5	ICIS 410-63741/5	50.0	23.144165	50.0	1304709.0	0.462883	Y
6	IC 410-63741/4	100.0	46.782221	50.0	1292662.0	0.467822	Y
7	IC 410-63741/3	300.0	134.206295	50.0	1315464.0	0.447354	Y



Calibration / Cyclohexane

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

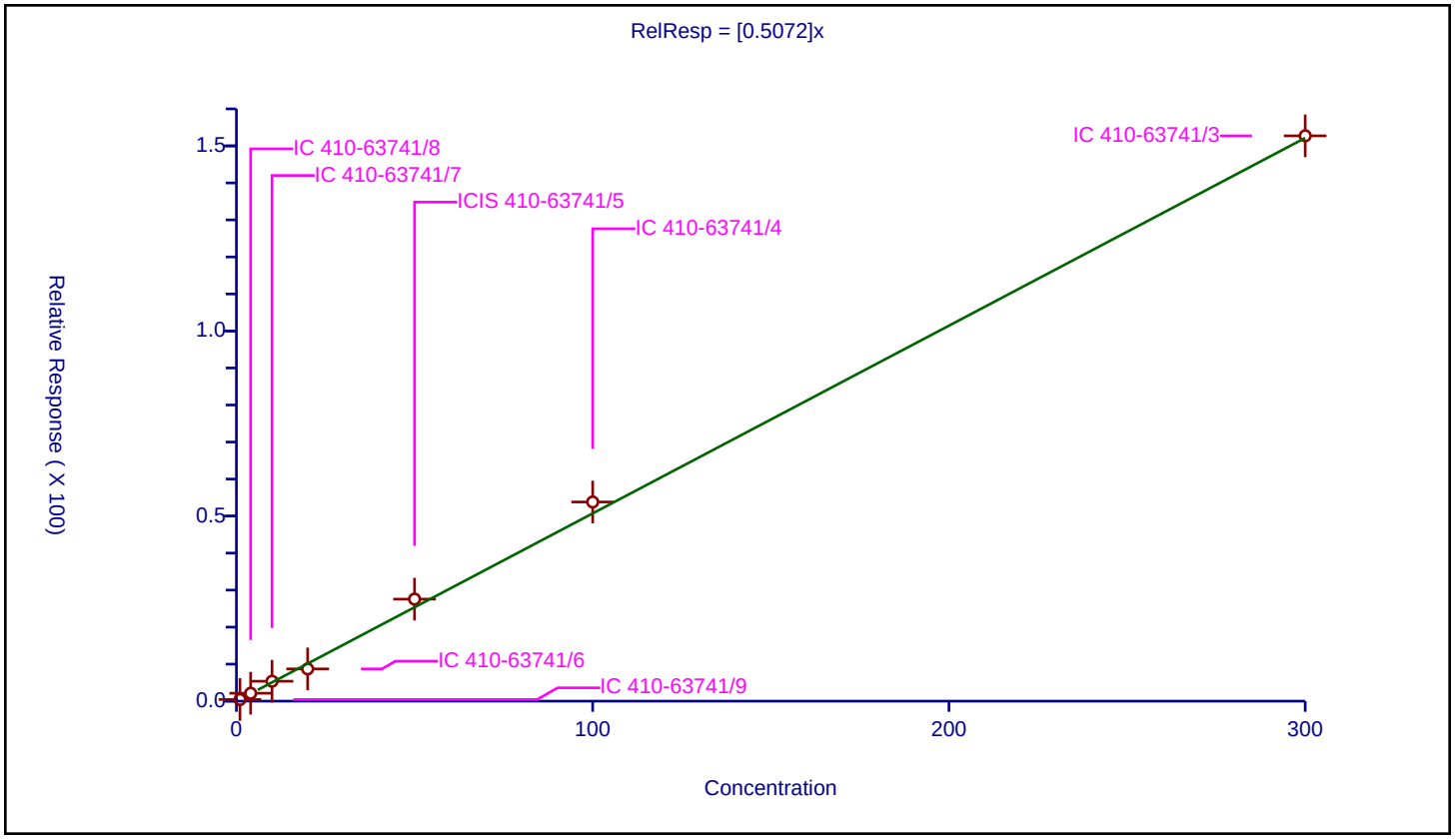
Curve Coefficients

Intercept:	0
Slope:	0.5072

Error Coefficients

Standard Error:	1760000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.444528	50.0	1310267.0	0.444528	Y
2	IC 410-63741/8	4.0	2.136172	50.0	1290720.0	0.534043	Y
3	IC 410-63741/7	10.0	5.37738	50.0	1283469.0	0.537738	Y
4	IC 410-63741/6	20.0	8.709289	50.0	1284881.0	0.435464	Y
5	ICIS 410-63741/5	50.0	27.560973	50.0	1304709.0	0.551219	Y
6	IC 410-63741/4	100.0	53.804784	50.0	1292662.0	0.538048	Y
7	IC 410-63741/3	300.0	152.719079	50.0	1315464.0	0.509064	Y



Calibration / Carbon tetrachloride

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

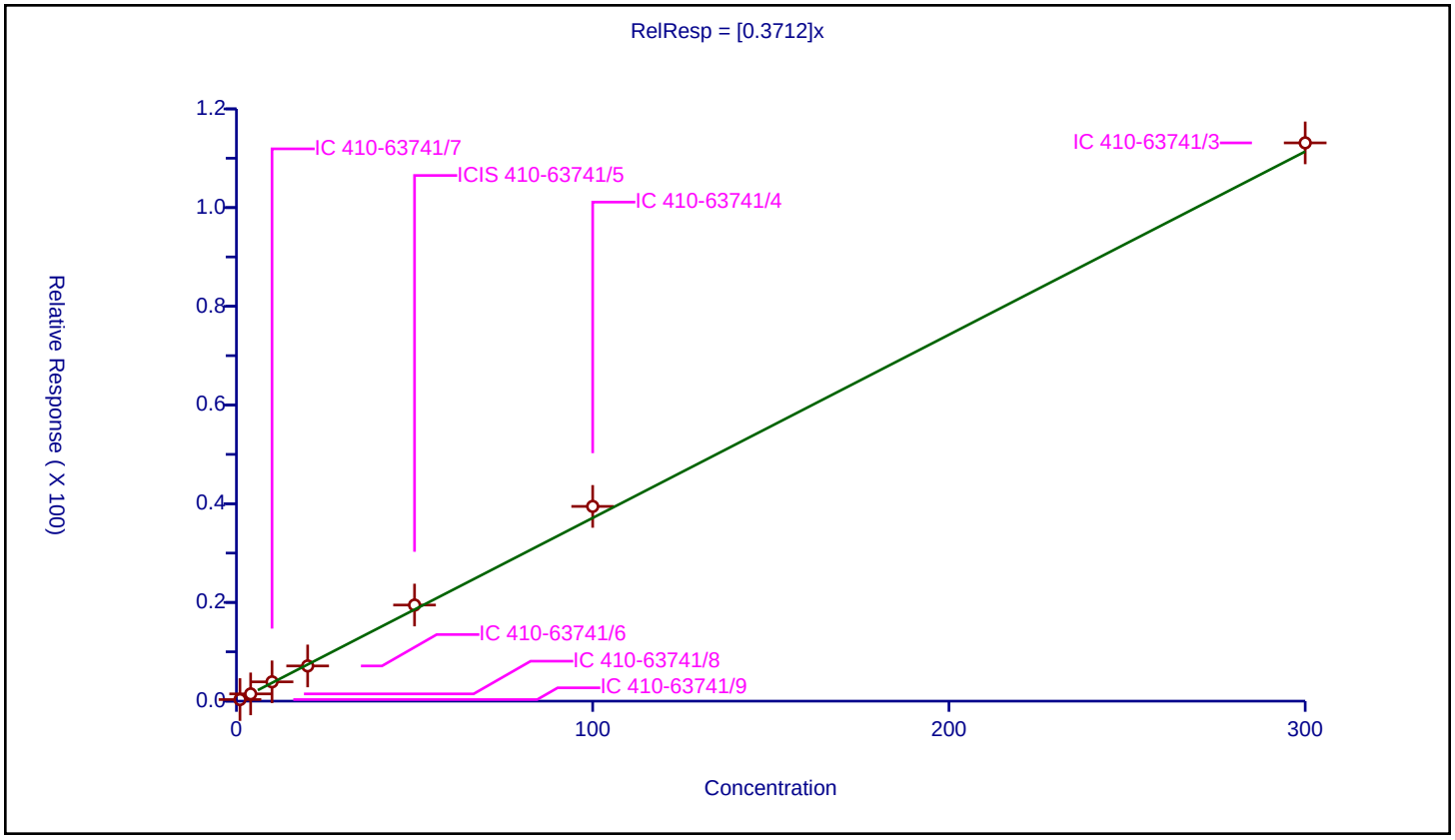
Curve Coefficients

Intercept:	0
Slope:	0.3712

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.322034	50.0	1310267.0	0.322034	Y
2	IC 410-63741/8	4.0	1.470187	50.0	1290720.0	0.367547	Y
3	IC 410-63741/7	10.0	3.912444	50.0	1283469.0	0.391244	Y
4	IC 410-63741/6	20.0	7.132217	50.0	1284881.0	0.356611	Y
5	ICIS 410-63741/5	50.0	19.471123	50.0	1304709.0	0.389422	Y
6	IC 410-63741/4	100.0	39.455093	50.0	1292662.0	0.394551	Y
7	IC 410-63741/3	300.0	113.111533	50.0	1315464.0	0.377038	Y



Calibration / 1,1-Dichloropropene

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

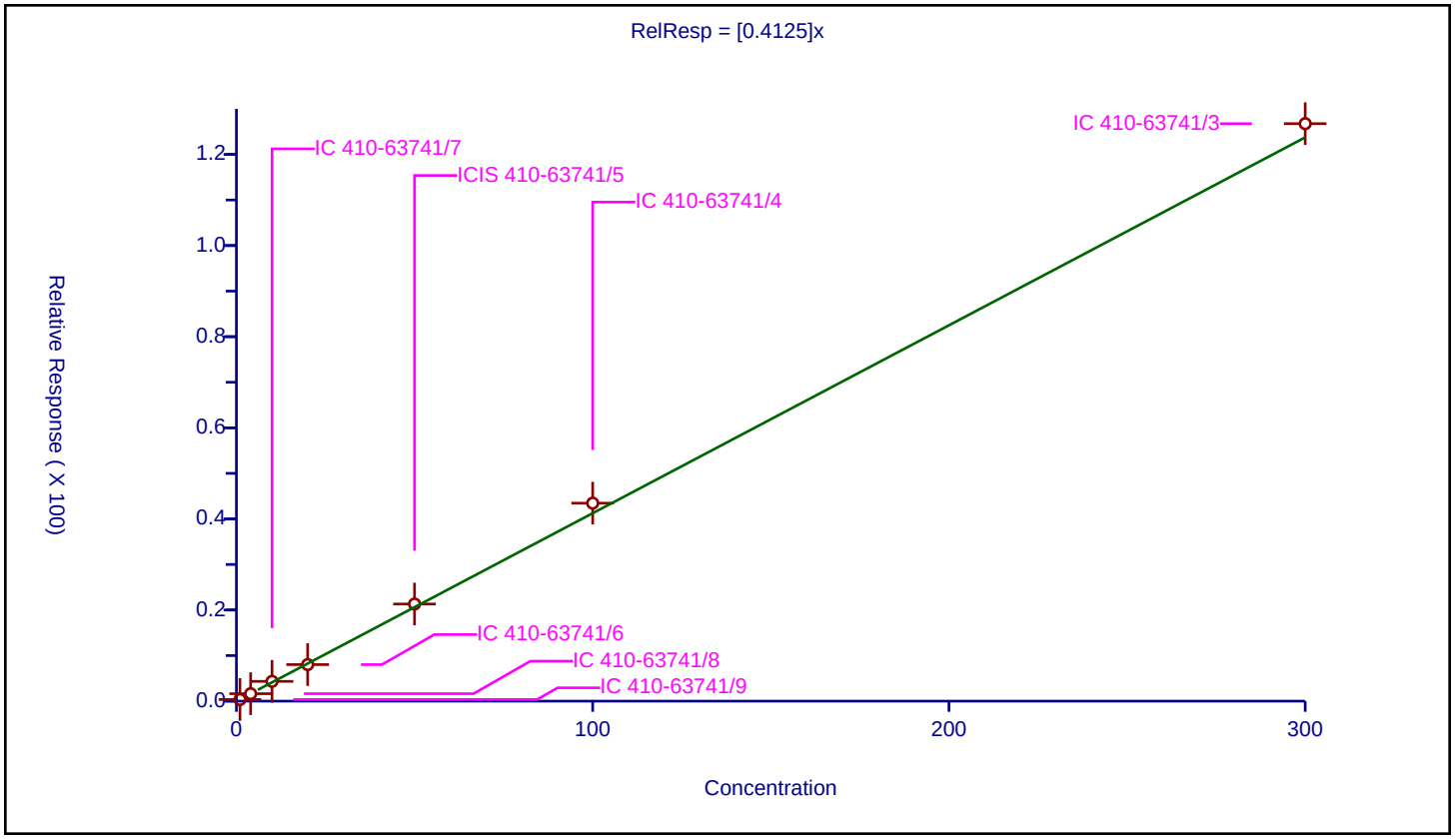
Curve Coefficients

Intercept:	0
Slope:	0.4125

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.360423	50.0	1310267.0	0.360423	Y
2	IC 410-63741/8	4.0	1.631686	50.0	1290720.0	0.407922	Y
3	IC 410-63741/7	10.0	4.343073	50.0	1283469.0	0.434307	Y
4	IC 410-63741/6	20.0	8.024829	50.0	1284881.0	0.401241	Y
5	ICIS 410-63741/5	50.0	21.317512	50.0	1304709.0	0.42635	Y
6	IC 410-63741/4	100.0	43.457803	50.0	1292662.0	0.434578	Y
7	IC 410-63741/3	300.0	126.753526	50.0	1315464.0	0.422512	Y



Calibration / Isobutyl alcohol

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

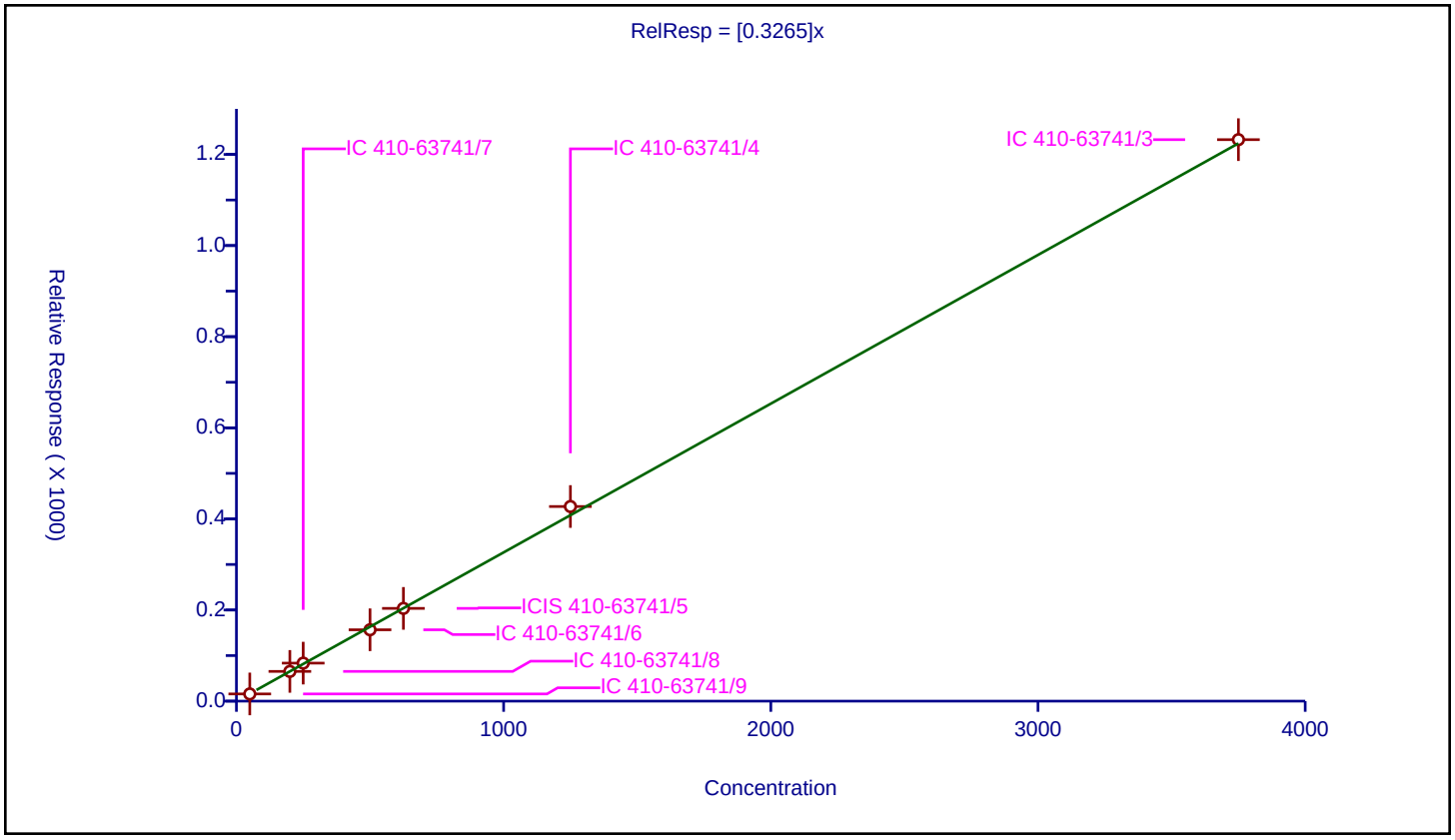
Curve Coefficients

Intercept:	0
Slope:	0.3265

Error Coefficients

Standard Error:	654000
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 410-63741/9	50.0	15.789371	250.0	306092.0	0.315787	Y
2	IC 410-63741/8	200.0	65.265928	250.0	318677.0	0.32633	Y
3	IC 410-63741/7	250.0	83.435785	250.0	301768.0	0.333743	Y
4	IC 410-63741/6	500.0	156.678021	250.0	305914.0	0.313356	Y
5	ICIS 410-63741/5	625.0	203.597469	250.0	325187.0	0.325756	Y
6	IC 410-63741/4	1250.0	427.241638	250.0	287881.0	0.341793	Y
7	IC 410-63741/3	3750.0	1232.476174	250.0	301247.0	0.32866	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

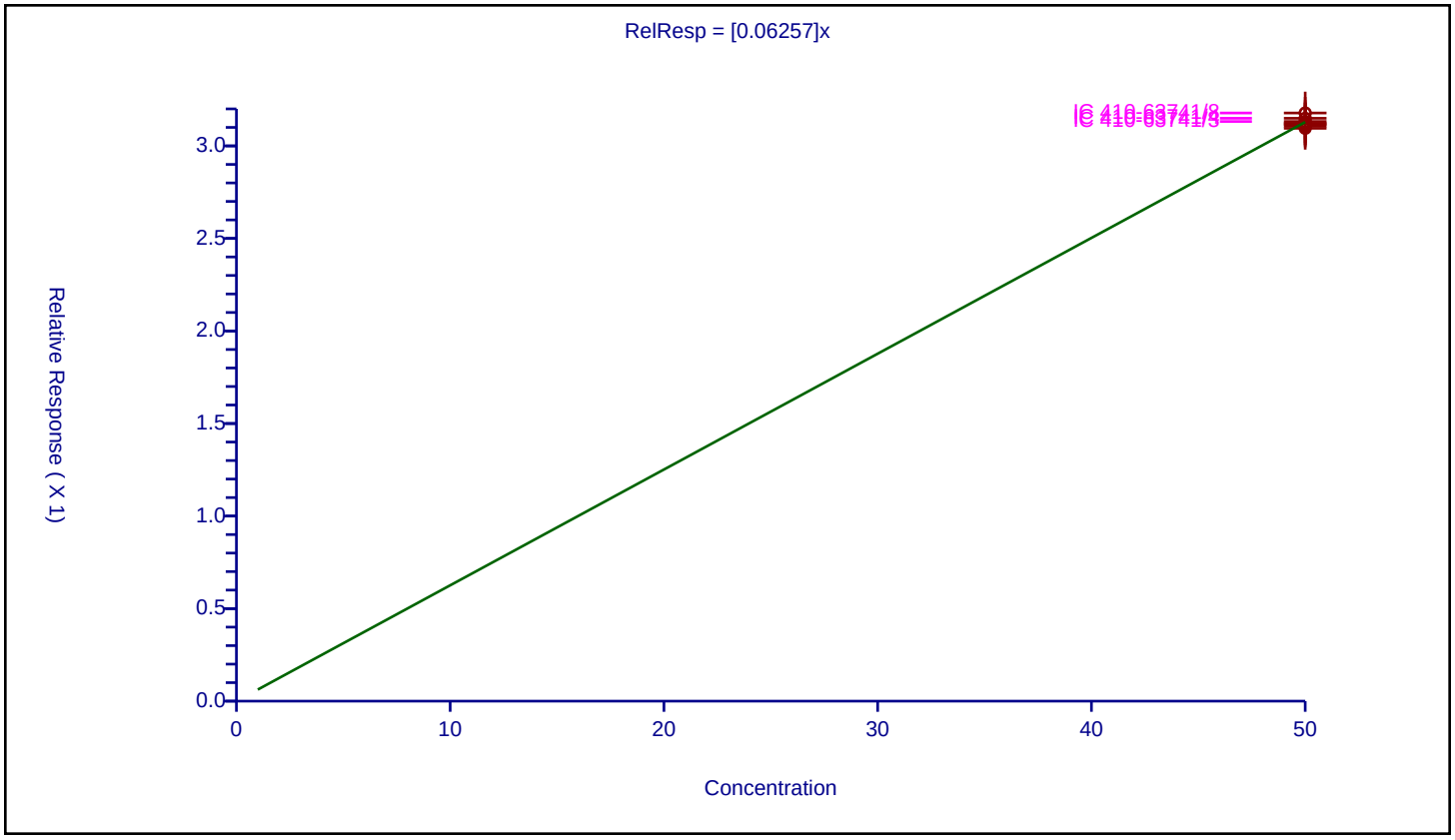
Curve Coefficients

Intercept:	0
Slope:	0.06257

Error Coefficients

Standard Error:	87700
Relative Standard Error:	0.9
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/3	50.0	3.131861	50.0	1315464.0	0.062637	Y
2	IC 410-63741/4	50.0	3.149199	50.0	1292662.0	0.062984	Y
3	ICIS 410-63741/5	50.0	3.095058	50.0	1304709.0	0.061901	Y
4	IC 410-63741/6	50.0	3.107642	50.0	1284881.0	0.062153	Y
5	IC 410-63741/7	50.0	3.117255	50.0	1283469.0	0.062345	Y
6	IC 410-63741/8	50.0	3.177839	50.0	1290720.0	0.063557	Y
7	IC 410-63741/9	50.0	3.121234	50.0	1310267.0	0.062425	Y



Calibration / Benzene

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

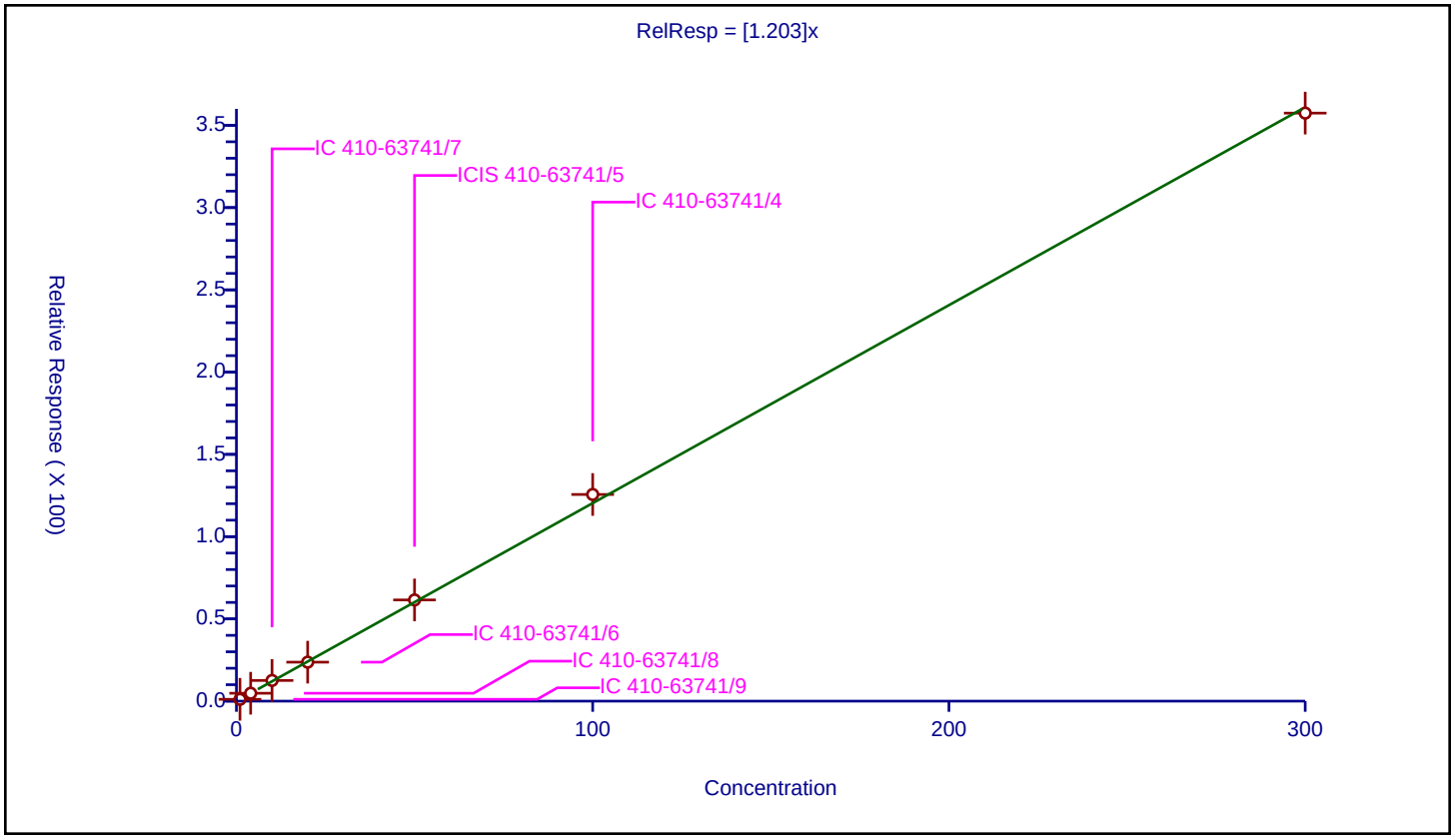
Curve Coefficients

Intercept:	0
Slope:	1.203

Error Coefficients

Standard Error:	4120000
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 410-63741/9	1.0	1.103248	50.0	1310267.0	1.103248	Y
2	IC 410-63741/8	4.0	4.804876	50.0	1290720.0	1.201219	Y
3	IC 410-63741/7	10.0	12.570775	50.0	1283469.0	1.257077	Y
4	IC 410-63741/6	20.0	23.693323	50.0	1284881.0	1.184666	Y
5	ICIS 410-63741/5	50.0	61.504596	50.0	1304709.0	1.230092	Y
6	IC 410-63741/4	100.0	125.628277	50.0	1292662.0	1.256283	Y
7	IC 410-63741/3	300.0	357.43958	50.0	1315464.0	1.191465	Y



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

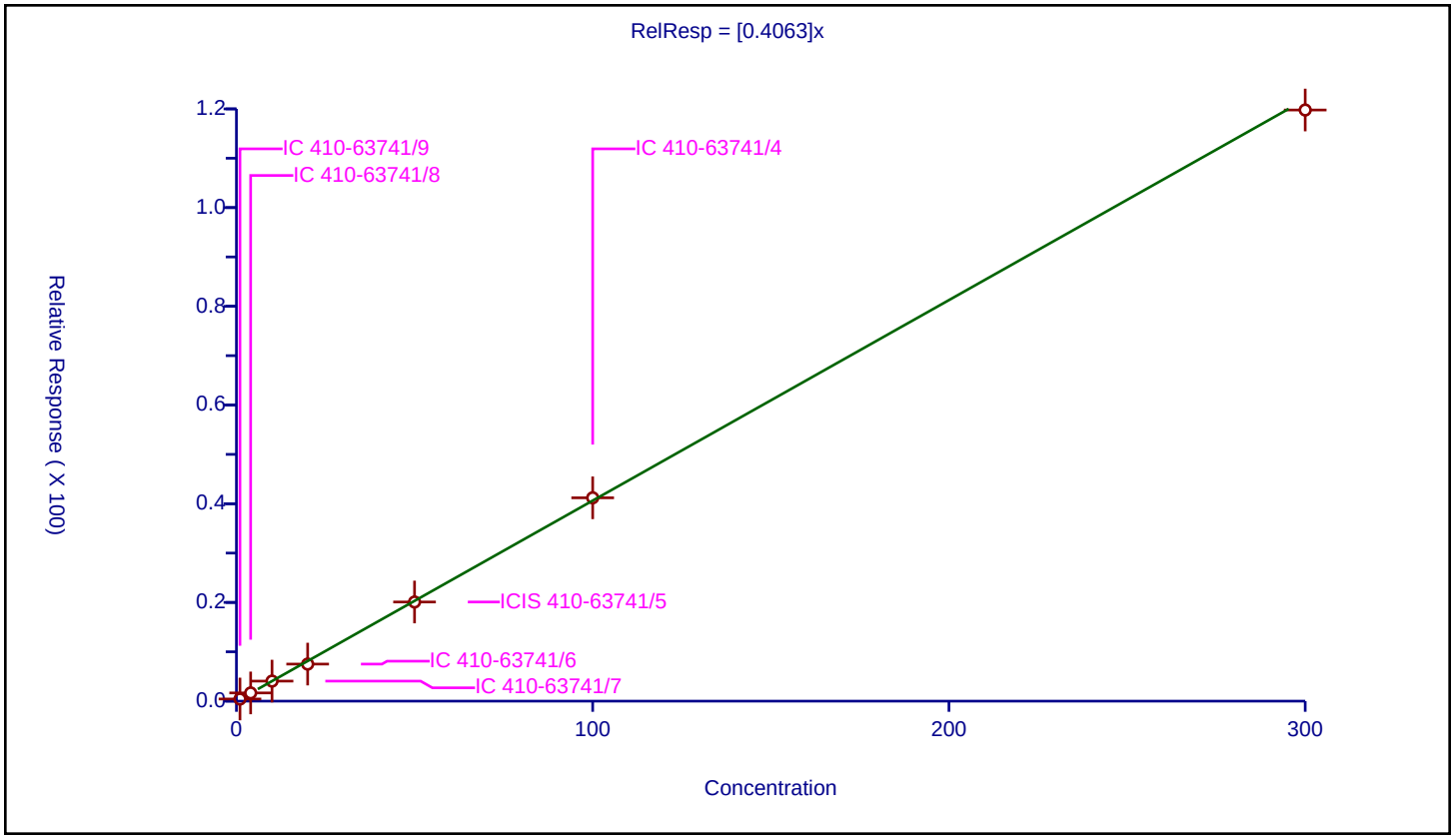
Curve Coefficients

Intercept:	0
Slope:	0.4063

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.432965	50.0	1310267.0	0.432965	Y
2	IC 410-63741/8	4.0	1.665195	50.0	1290720.0	0.416299	Y
3	IC 410-63741/7	10.0	4.062739	50.0	1283469.0	0.406274	Y
4	IC 410-63741/6	20.0	7.50731	50.0	1284881.0	0.375366	Y
5	ICIS 410-63741/5	50.0	20.090917	50.0	1304709.0	0.401818	Y
6	IC 410-63741/4	100.0	41.200523	50.0	1292662.0	0.412005	Y
7	IC 410-63741/3	300.0	119.775456	50.0	1315464.0	0.399252	Y



Calibration / Tert-amyl methyl ether

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

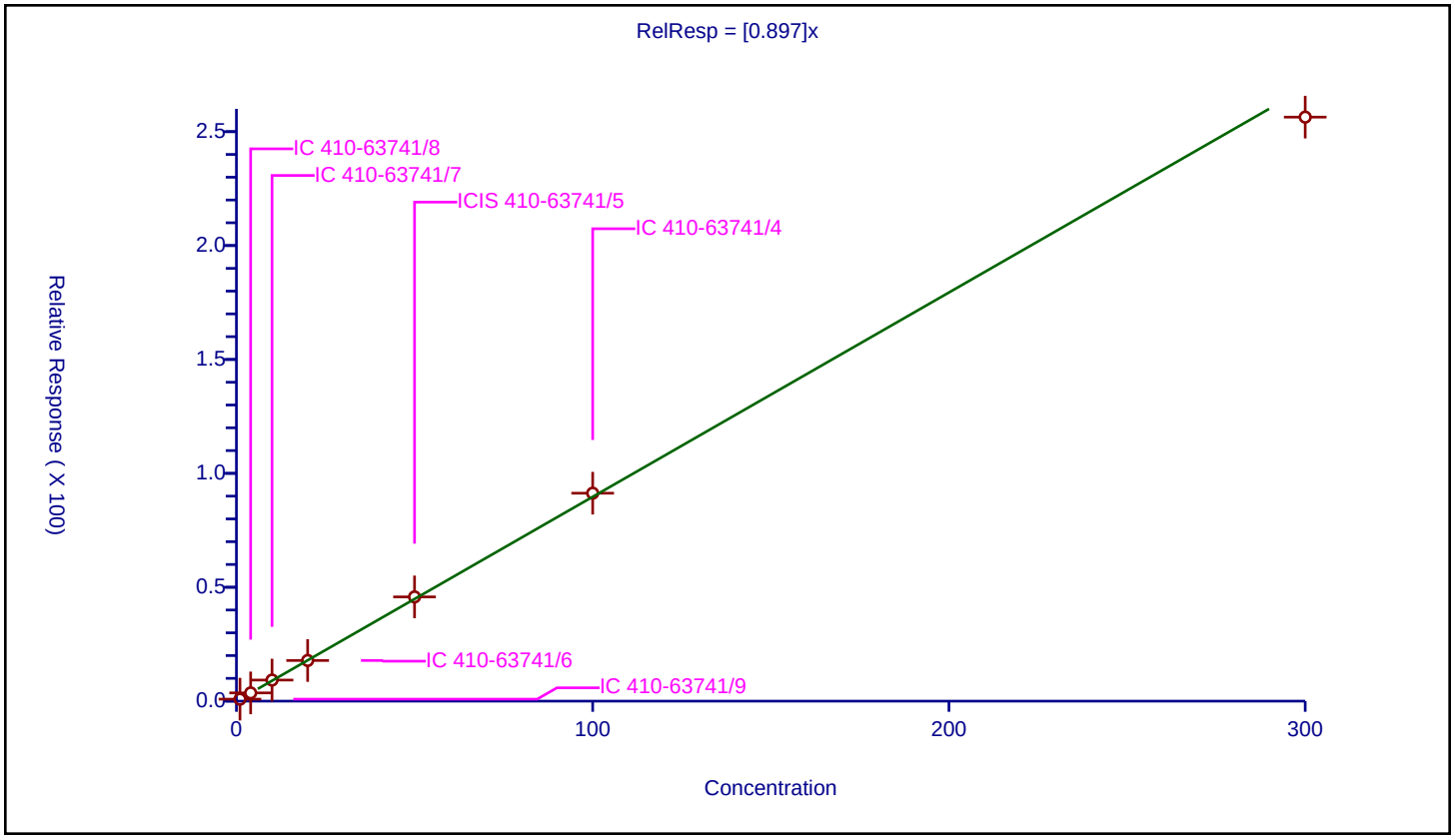
Curve Coefficients

Intercept:	0
Slope:	0.897

Error Coefficients

Standard Error:	2970000
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 410-63741/9	1.0	0.873715	50.0	1310267.0	0.873715	Y
2	IC 410-63741/8	4.0	3.617438	50.0	1290720.0	0.90436	Y
3	IC 410-63741/7	10.0	9.257411	50.0	1283469.0	0.925741	Y
4	IC 410-63741/6	20.0	17.848151	50.0	1284881.0	0.892408	Y
5	ICIS 410-63741/5	50.0	45.756142	50.0	1304709.0	0.915123	Y
6	IC 410-63741/4	100.0	91.294824	50.0	1292662.0	0.912948	Y
7	IC 410-63741/3	300.0	256.384325	50.0	1315464.0	0.854614	Y



Calibration / n-Heptane

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

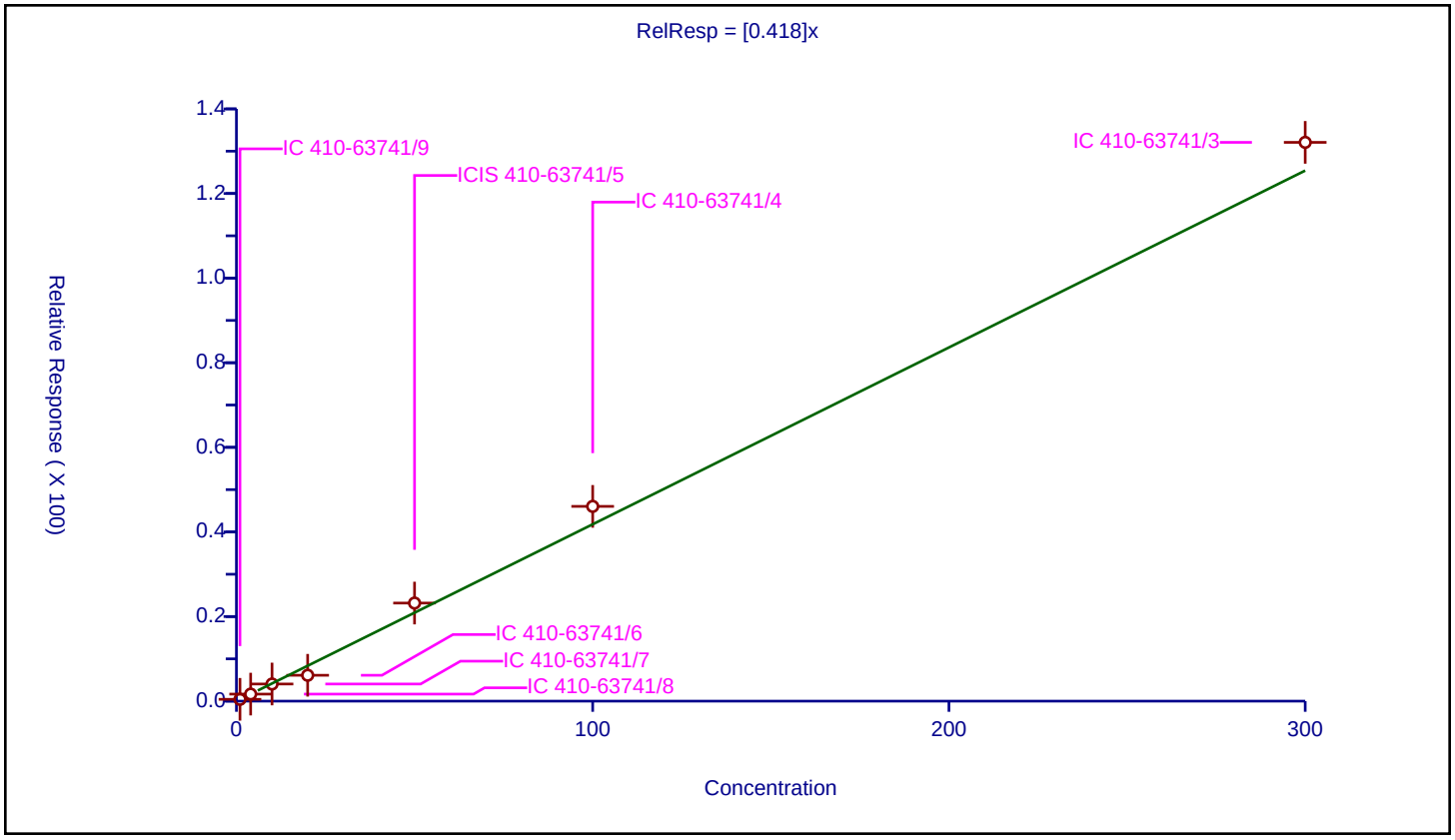
Curve Coefficients

Intercept:	0
Slope:	0.418

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	12.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.434224	50.0	1310267.0	0.434224	Y
2	IC 410-63741/8	4.0	1.668255	50.0	1290720.0	0.417064	Y
3	IC 410-63741/7	10.0	4.049377	50.0	1283469.0	0.404938	Y
4	IC 410-63741/6	20.0	6.113601	50.0	1284881.0	0.30568	Y
5	ICIS 410-63741/5	50.0	23.187699	50.0	1304709.0	0.463754	Y
6	IC 410-63741/4	100.0	46.036667	50.0	1292662.0	0.460367	Y
7	IC 410-63741/3	300.0	132.083432	50.0	1315464.0	0.440278	Y



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

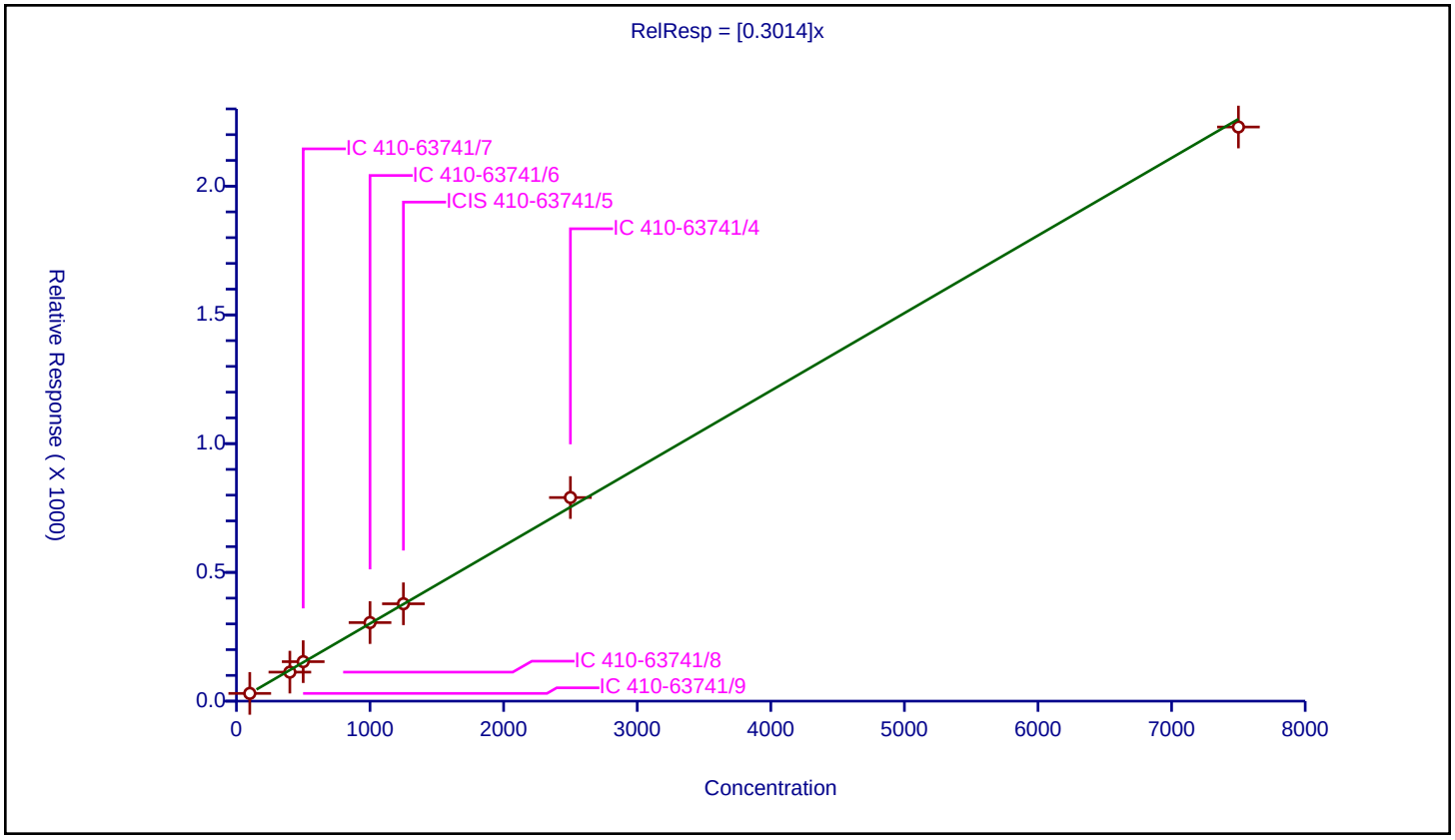
Curve Coefficients

Intercept:	0
Slope:	0.3014

Error Coefficients

Standard Error:	1190000
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 410-63741/9	100.0	30.013035	250.0	306092.0	0.30013	Y
2	IC 410-63741/8	400.0	112.711303	250.0	318677.0	0.281778	Y
3	IC 410-63741/7	500.0	153.296572	250.0	301768.0	0.306593	Y
4	IC 410-63741/6	1000.0	305.079205	250.0	305914.0	0.305079	Y
5	ICIS 410-63741/5	1250.0	378.124741	250.0	325187.0	0.3025	Y
6	IC 410-63741/4	2500.0	790.721687	250.0	287881.0	0.316289	Y
7	IC 410-63741/3	7500.0	2229.644611	250.0	301247.0	0.297286	Y



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

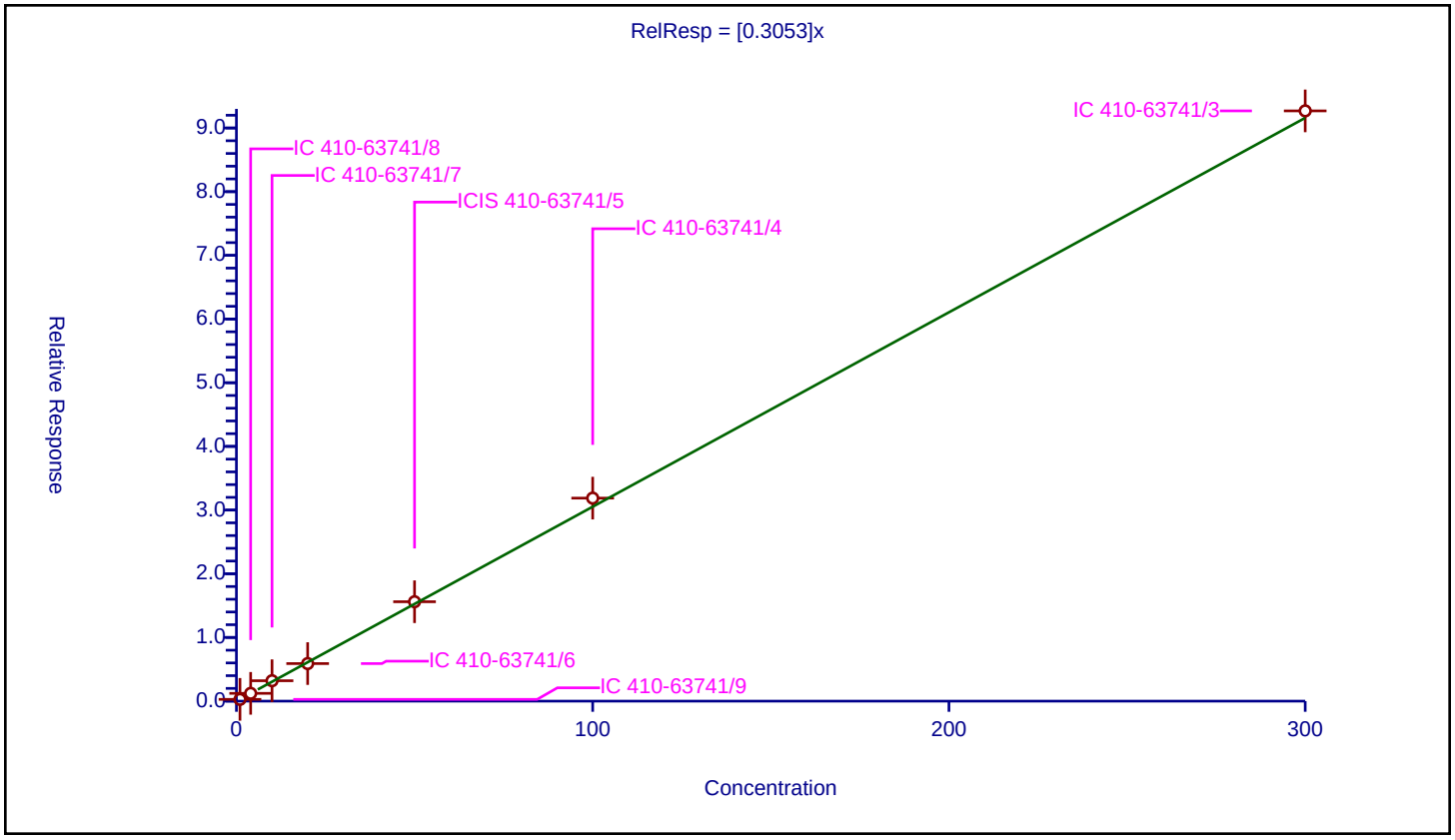
Curve Coefficients

Intercept:	0
Slope:	0.3053

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.276241	50.0	1310267.0	0.276241	Y
2	IC 410-63741/8	4.0	1.221295	50.0	1290720.0	0.305324	Y
3	IC 410-63741/7	10.0	3.205492	50.0	1283469.0	0.320549	Y
4	IC 410-63741/6	20.0	5.899029	50.0	1284881.0	0.294951	Y
5	ICIS 410-63741/5	50.0	15.610492	50.0	1304709.0	0.31221	Y
6	IC 410-63741/4	100.0	31.878055	50.0	1292662.0	0.318781	Y
7	IC 410-63741/3	300.0	92.687409	50.0	1315464.0	0.308958	Y



Calibration / Methylcyclohexane

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

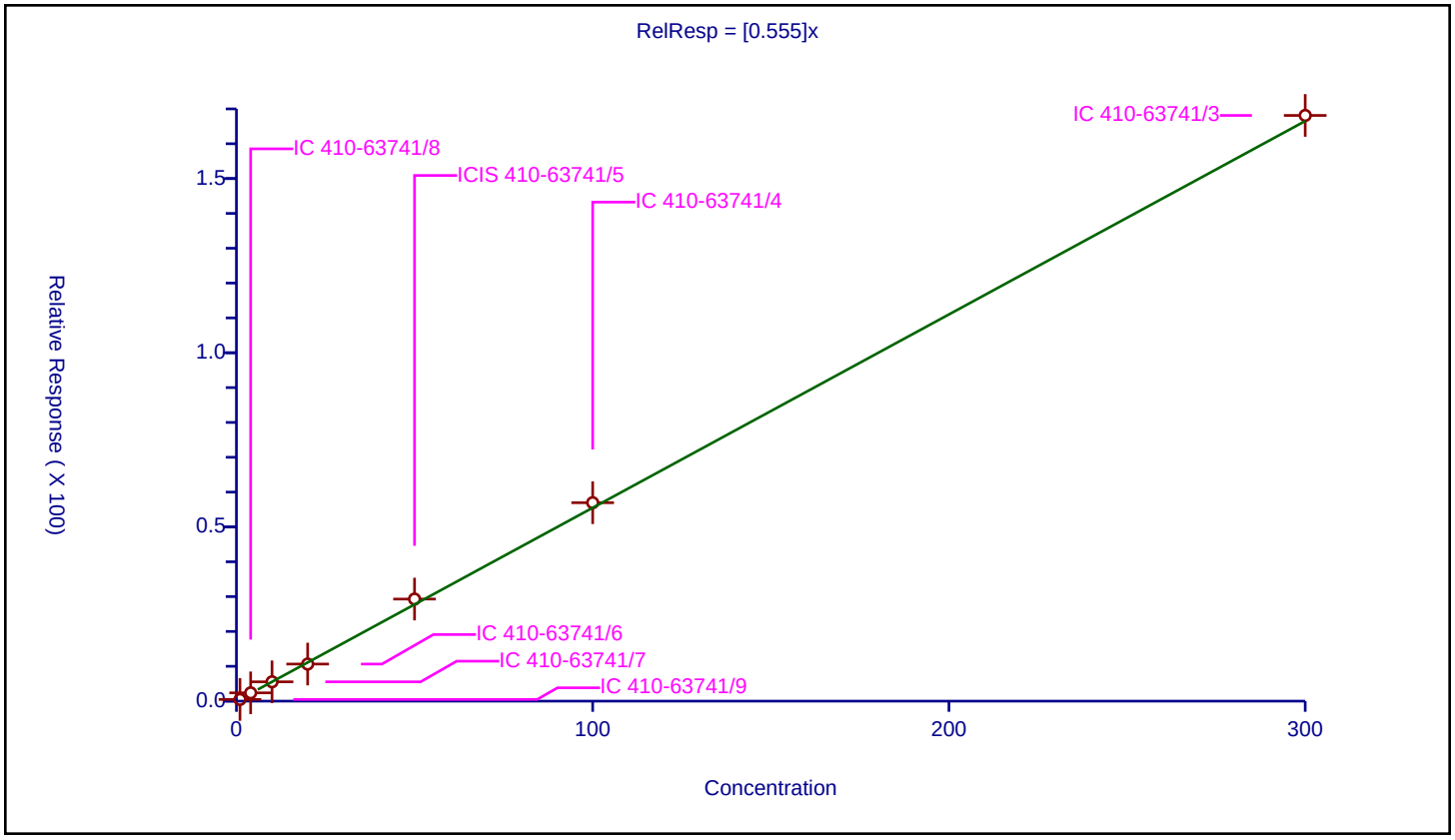
Curve Coefficients

Intercept:	0
Slope:	0.555

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.487267	50.0	1310267.0	0.487267	Y
2	IC 410-63741/8	4.0	2.380106	50.0	1290720.0	0.595026	Y
3	IC 410-63741/7	10.0	5.543881	50.0	1283469.0	0.554388	Y
4	IC 410-63741/6	20.0	10.64764	50.0	1284881.0	0.532382	Y
5	ICIS 410-63741/5	50.0	29.300595	50.0	1304709.0	0.586012	Y
6	IC 410-63741/4	100.0	56.962454	50.0	1292662.0	0.569625	Y
7	IC 410-63741/3	300.0	168.118854	50.0	1315464.0	0.560396	Y



Calibration / 1,2-Dichloropropane

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

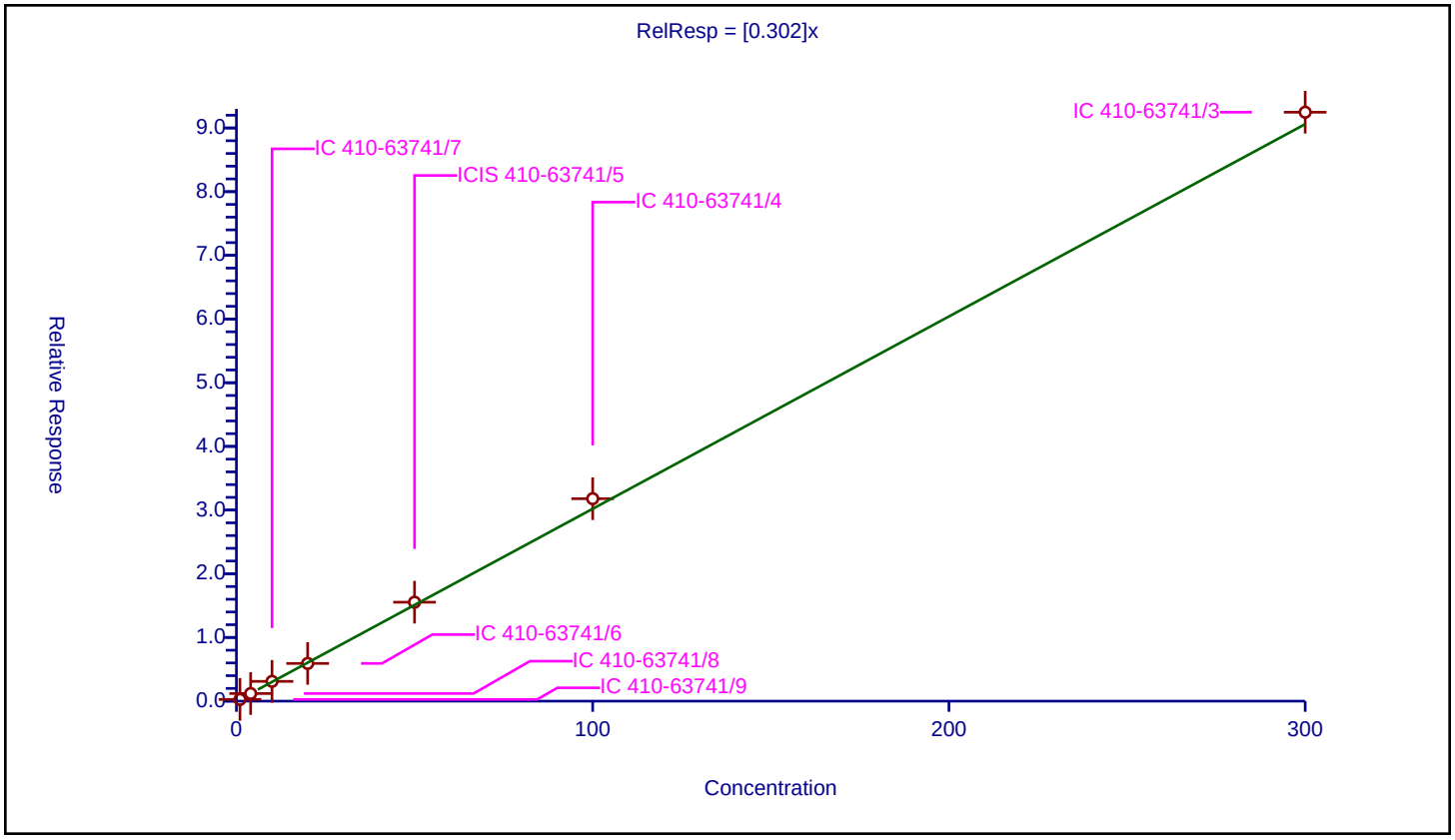
Curve Coefficients

Intercept:	0
Slope:	0.302

Error Coefficients

Standard Error:	1060000
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 410-63741/9	1.0	0.270594	50.0	1310267.0	0.270594	Y
2	IC 410-63741/8	4.0	1.199331	50.0	1290720.0	0.299833	Y
3	IC 410-63741/7	10.0	3.10736	50.0	1283469.0	0.310736	Y
4	IC 410-63741/6	20.0	5.921871	50.0	1284881.0	0.296094	Y
5	ICIS 410-63741/5	50.0	15.535878	50.0	1304709.0	0.310718	Y
6	IC 410-63741/4	100.0	31.791064	50.0	1292662.0	0.317911	Y
7	IC 410-63741/3	300.0	92.478167	50.0	1315464.0	0.308261	Y



Calibration / 2-ethoxy-2-methyl butane

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

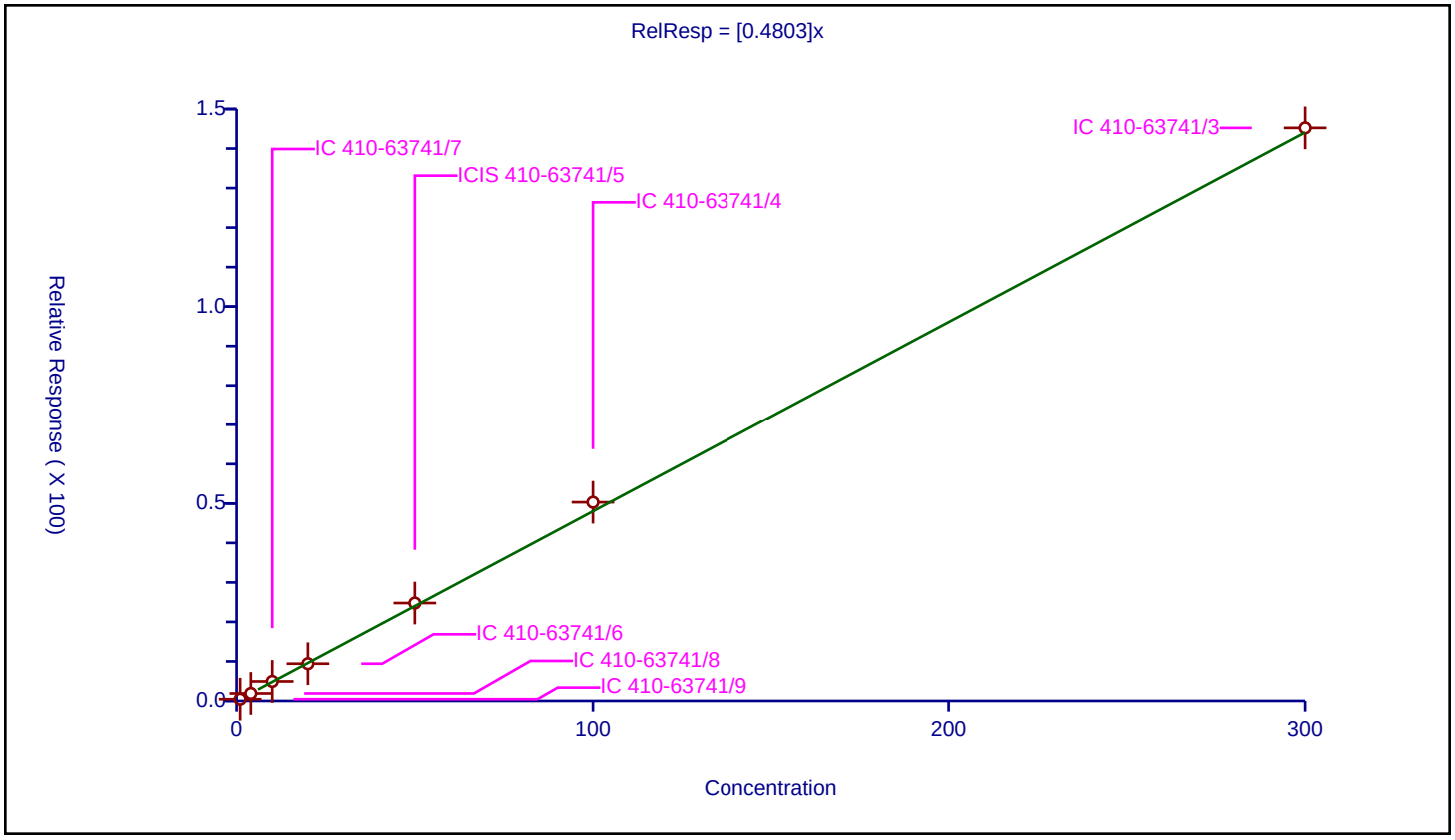
Curve Coefficients

Intercept:	0
Slope:	0.4803

Error Coefficients

Standard Error:	1670000
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 410-63741/9	1.0	0.439376	50.0	1310267.0	0.439376	Y
2	IC 410-63741/8	4.0	1.901613	50.0	1290720.0	0.475403	Y
3	IC 410-63741/7	10.0	4.933154	50.0	1283469.0	0.493315	Y
4	IC 410-63741/6	20.0	9.419549	50.0	1284881.0	0.470977	Y
5	ICIS 410-63741/5	50.0	24.777939	50.0	1304709.0	0.495559	Y
6	IC 410-63741/4	100.0	50.322281	50.0	1292662.0	0.503223	Y
7	IC 410-63741/3	300.0	145.229326	50.0	1315464.0	0.484098	Y



Calibration / Methyl methacrylate

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

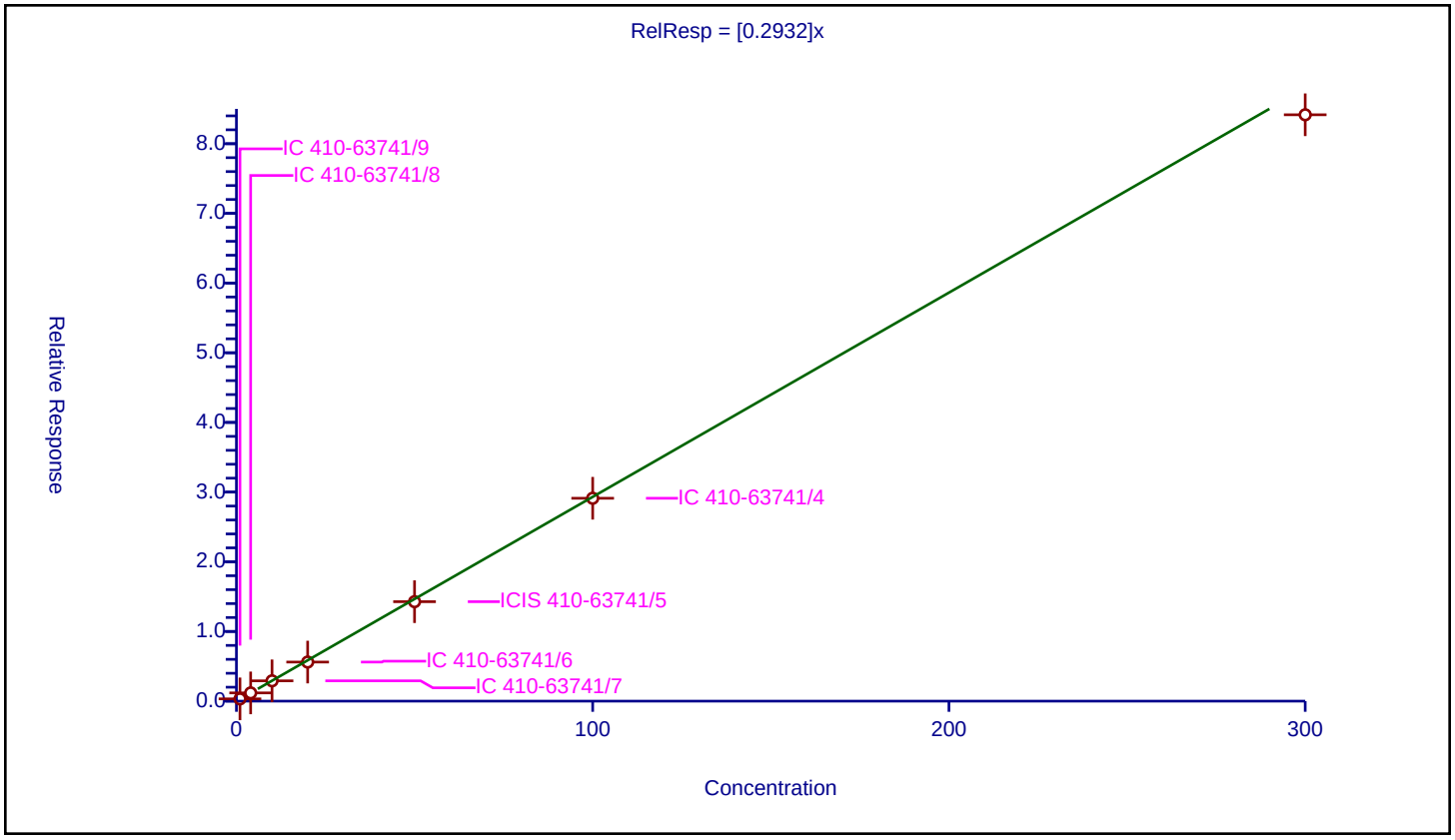
Curve Coefficients

Intercept:	0
Slope:	0.2932

Error Coefficients

Standard Error:	969000
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 410-63741/9	1.0	0.3273	50.0	1310267.0	0.3273	Y
2	IC 410-63741/8	4.0	1.181937	50.0	1290720.0	0.295484	Y
3	IC 410-63741/7	10.0	2.916042	50.0	1283469.0	0.291604	Y
4	IC 410-63741/6	20.0	5.610753	50.0	1284881.0	0.280538	Y
5	ICIS 410-63741/5	50.0	14.273604	50.0	1304709.0	0.285472	Y
6	IC 410-63741/4	100.0	29.117318	50.0	1292662.0	0.291173	Y
7	IC 410-63741/3	300.0	84.153538	50.0	1315464.0	0.280512	Y



Calibration / 1,4-Dioxane

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

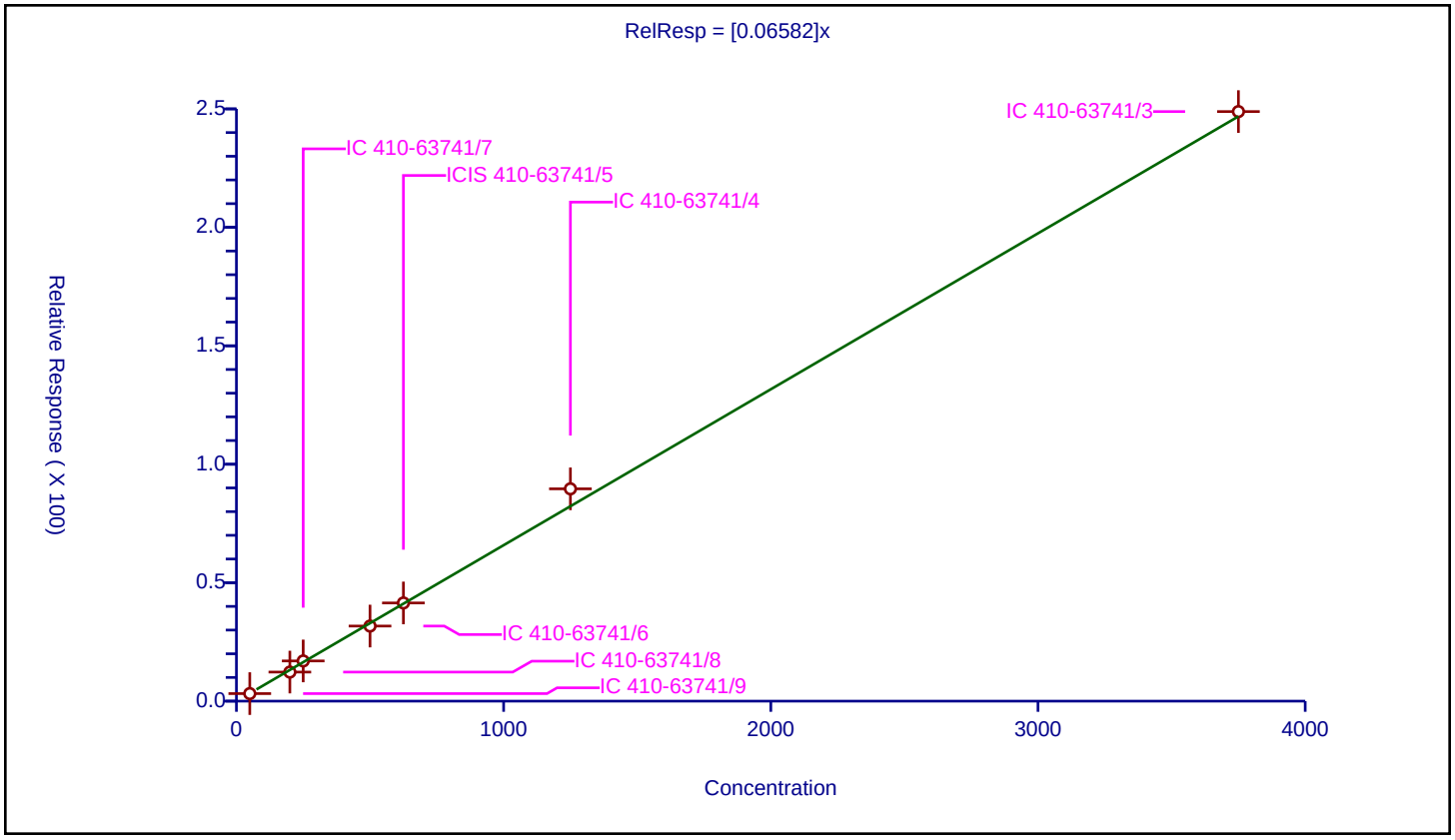
Curve Coefficients

Intercept:	0
Slope:	0.06582

Error Coefficients

Standard Error:	133000
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 410-63741/9	50.0	3.185317	250.0	306092.0	0.063706	Y
2	IC 410-63741/8	200.0	12.272615	250.0	318677.0	0.061363	Y
3	IC 410-63741/7	250.0	16.972476	250.0	301768.0	0.06789	Y
4	IC 410-63741/6	500.0	31.702537	250.0	305914.0	0.063405	Y
5	ICIS 410-63741/5	625.0	41.444615	250.0	325187.0	0.066311	Y
6	IC 410-63741/4	1250.0	89.623838	250.0	287881.0	0.071699	Y
7	IC 410-63741/3	3750.0	248.868868	250.0	301247.0	0.066365	Y



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

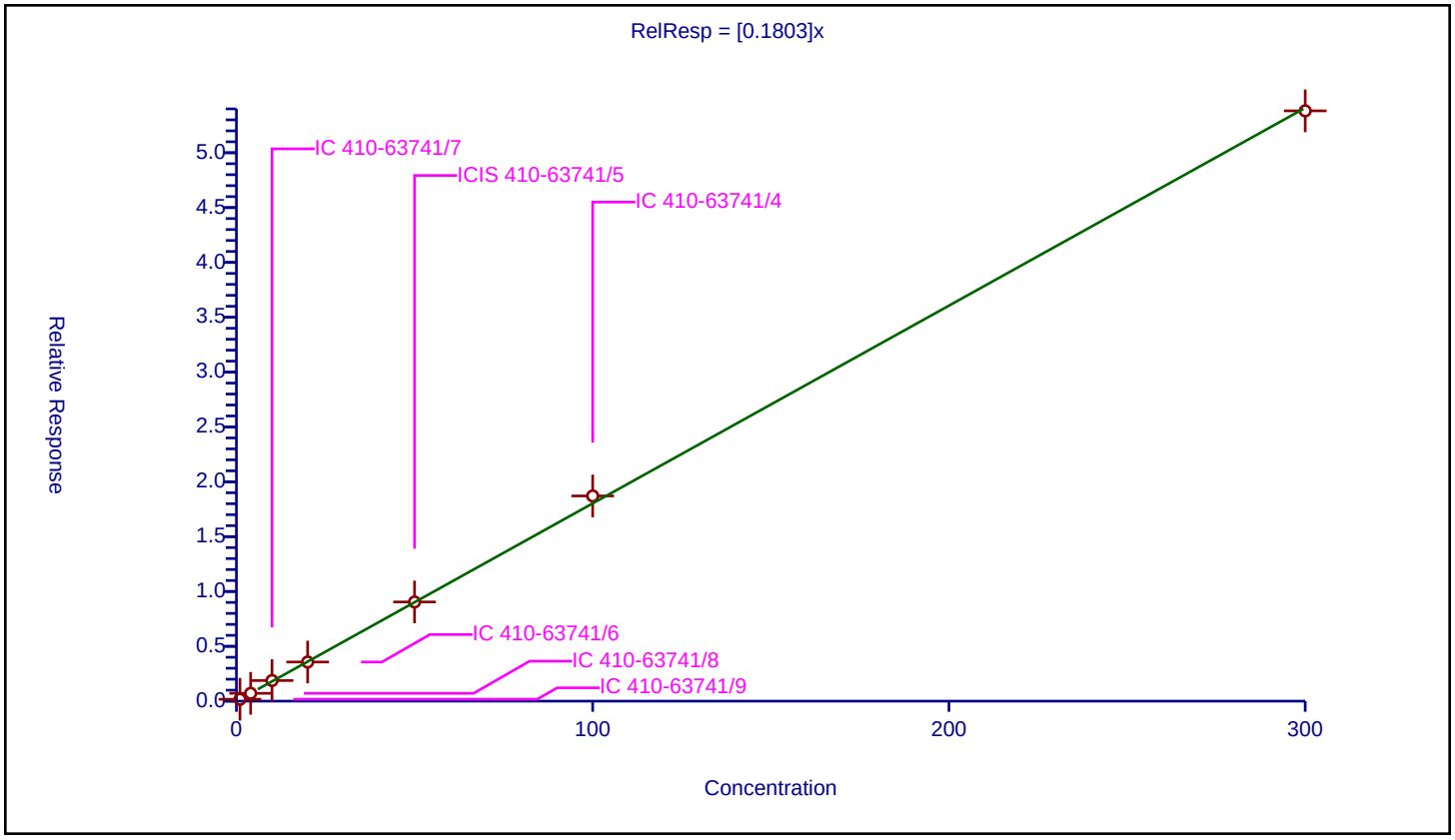
Curve Coefficients

Intercept:	0
Slope:	0.1803

Error Coefficients

Standard Error:	620000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.17008	50.0	1310267.0	0.17008	Y
2	IC 410-63741/8	4.0	0.713865	50.0	1290720.0	0.178466	Y
3	IC 410-63741/7	10.0	1.87823	50.0	1283469.0	0.187823	Y
4	IC 410-63741/6	20.0	3.568074	50.0	1284881.0	0.178404	Y
5	ICIS 410-63741/5	50.0	9.042361	50.0	1304709.0	0.180847	Y
6	IC 410-63741/4	100.0	18.709183	50.0	1292662.0	0.187092	Y
7	IC 410-63741/3	300.0	53.819983	50.0	1315464.0	0.1794	Y



Calibration / Dichlorobromomethane

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

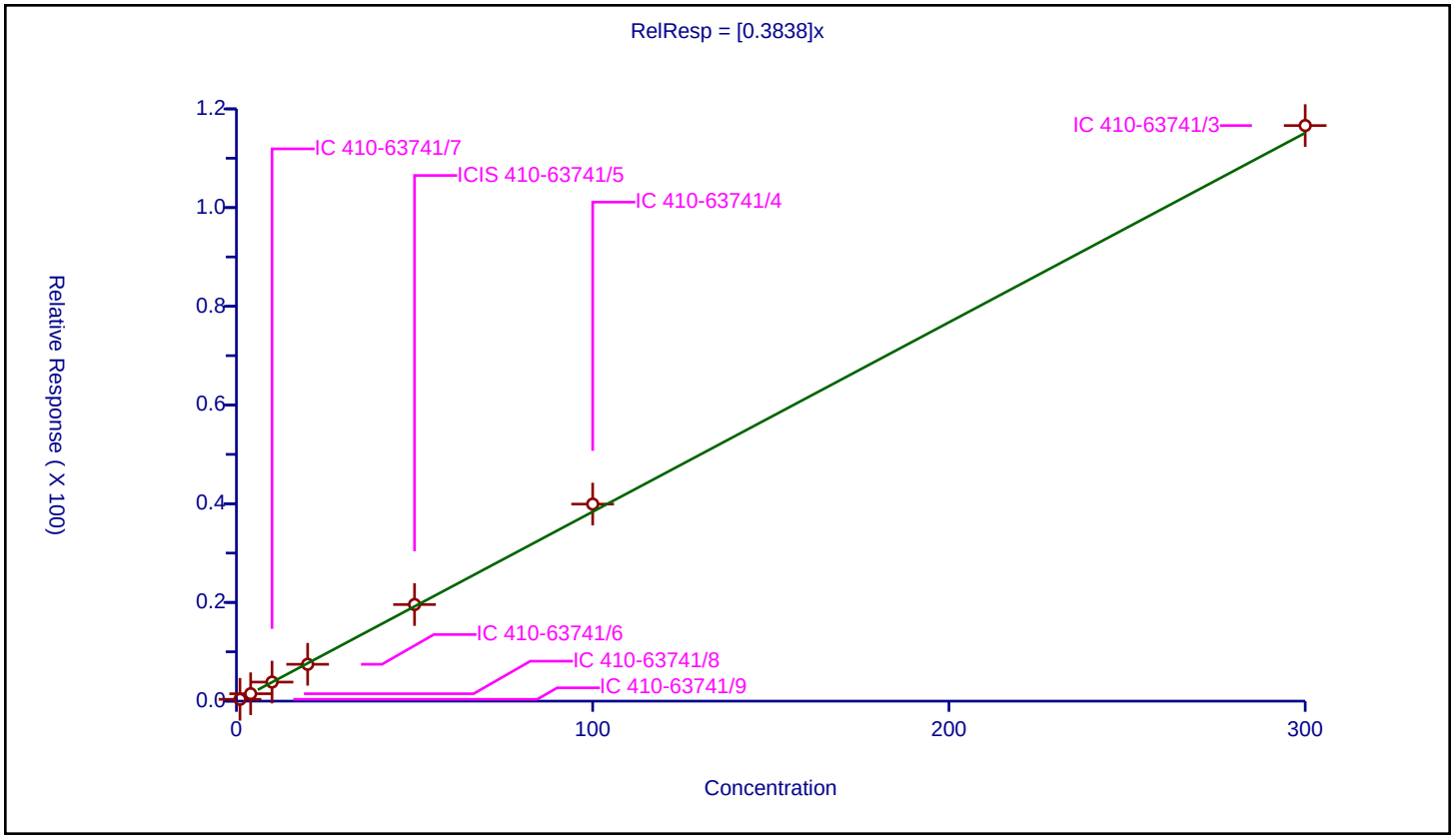
Curve Coefficients

Intercept:	0
Slope:	0.3838

Error Coefficients

Standard Error:	1340000
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 410-63741/9	1.0	0.371565	50.0	1310267.0	0.371565	Y
2	IC 410-63741/8	4.0	1.503192	50.0	1290720.0	0.375798	Y
3	IC 410-63741/7	10.0	3.860709	50.0	1283469.0	0.386071	Y
4	IC 410-63741/6	20.0	7.467812	50.0	1284881.0	0.373391	Y
5	ICIS 410-63741/5	50.0	19.573713	50.0	1304709.0	0.391474	Y
6	IC 410-63741/4	100.0	39.926098	50.0	1292662.0	0.399261	Y
7	IC 410-63741/3	300.0	116.624134	50.0	1315464.0	0.388747	Y



Calibration / 2-Nitropropane

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

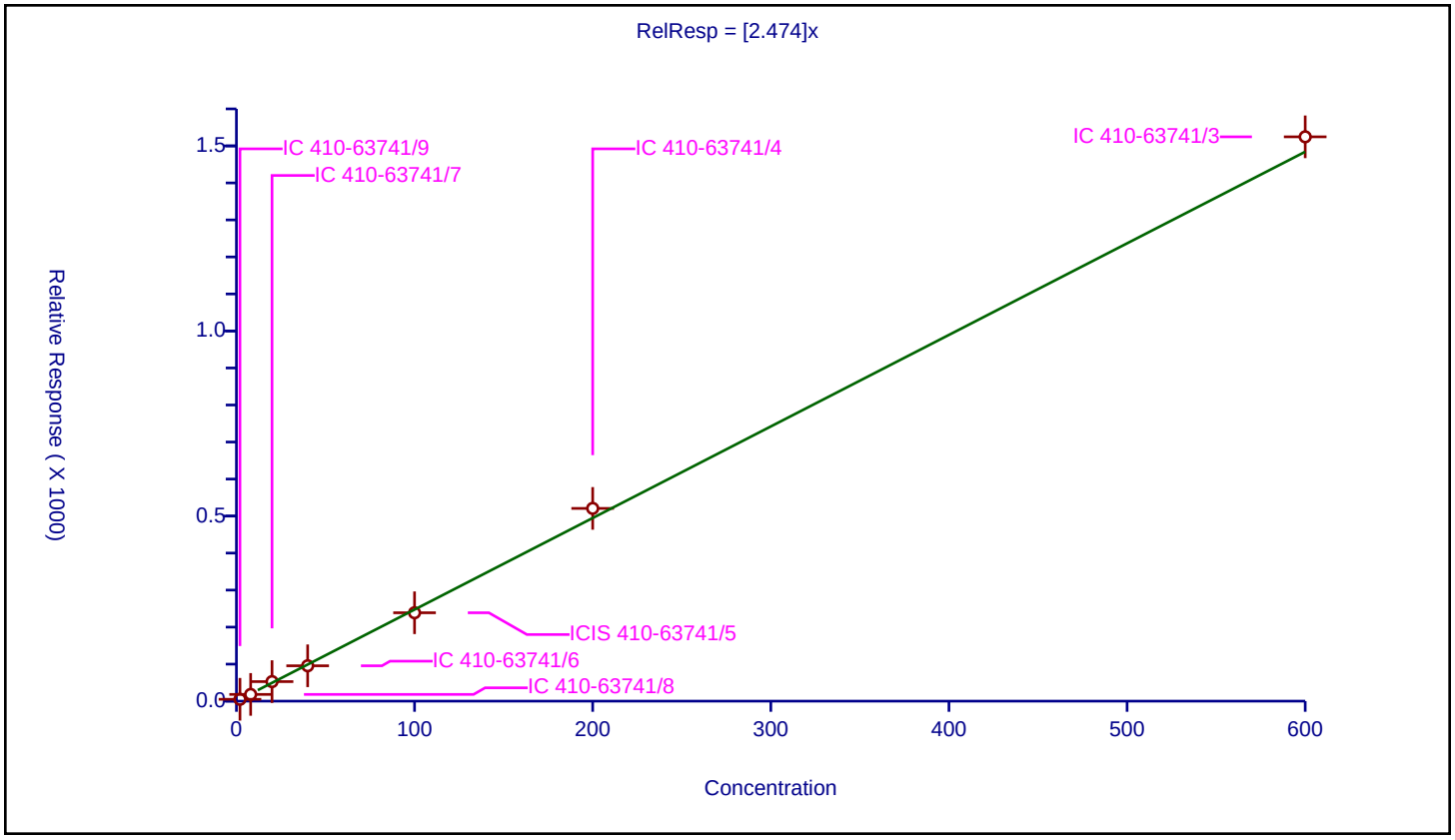
Curve Coefficients

Intercept:	0
Slope:	2.474

Error Coefficients

Standard Error:	800000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	2.0	4.973995	250.0	306092.0	2.486997	Y
2	IC 410-63741/8	8.0	18.152393	250.0	318677.0	2.269049	Y
3	IC 410-63741/7	20.0	52.773985	250.0	301768.0	2.638699	Y
4	IC 410-63741/6	40.0	95.495793	250.0	305914.0	2.387395	Y
5	ICIS 410-63741/5	100.0	238.814128	250.0	325187.0	2.388141	Y
6	IC 410-63741/4	200.0	520.728183	250.0	287881.0	2.603641	Y
7	IC 410-63741/3	600.0	1524.505638	250.0	301247.0	2.540843	Y



Calibration / 2-Chloroethyl vinyl ether

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

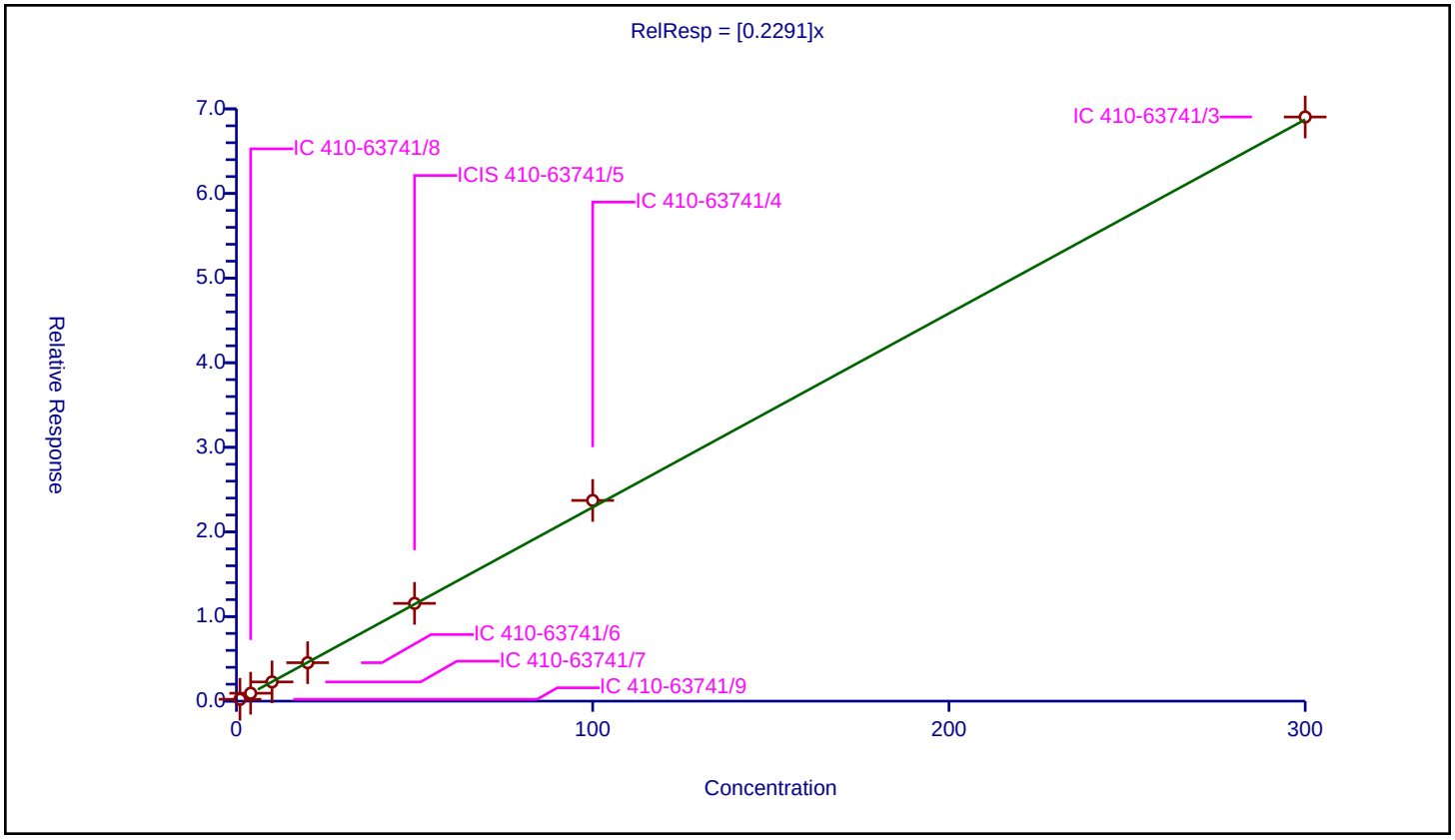
Curve Coefficients

Intercept:	0
Slope:	0.2291

Error Coefficients

Standard Error:	794000
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 410-63741/9	1.0	0.217437	50.0	1310267.0	0.217437	Y
2	IC 410-63741/8	4.0	0.935098	50.0	1290720.0	0.233775	Y
3	IC 410-63741/7	10.0	2.271072	50.0	1283469.0	0.227107	Y
4	IC 410-63741/6	20.0	4.544234	50.0	1284881.0	0.227212	Y
5	ICIS 410-63741/5	50.0	11.553228	50.0	1304709.0	0.231065	Y
6	IC 410-63741/4	100.0	23.721321	50.0	1292662.0	0.237213	Y
7	IC 410-63741/3	300.0	69.042444	50.0	1315464.0	0.230141	Y



Calibration / cis-1,3-Dichloropropene

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

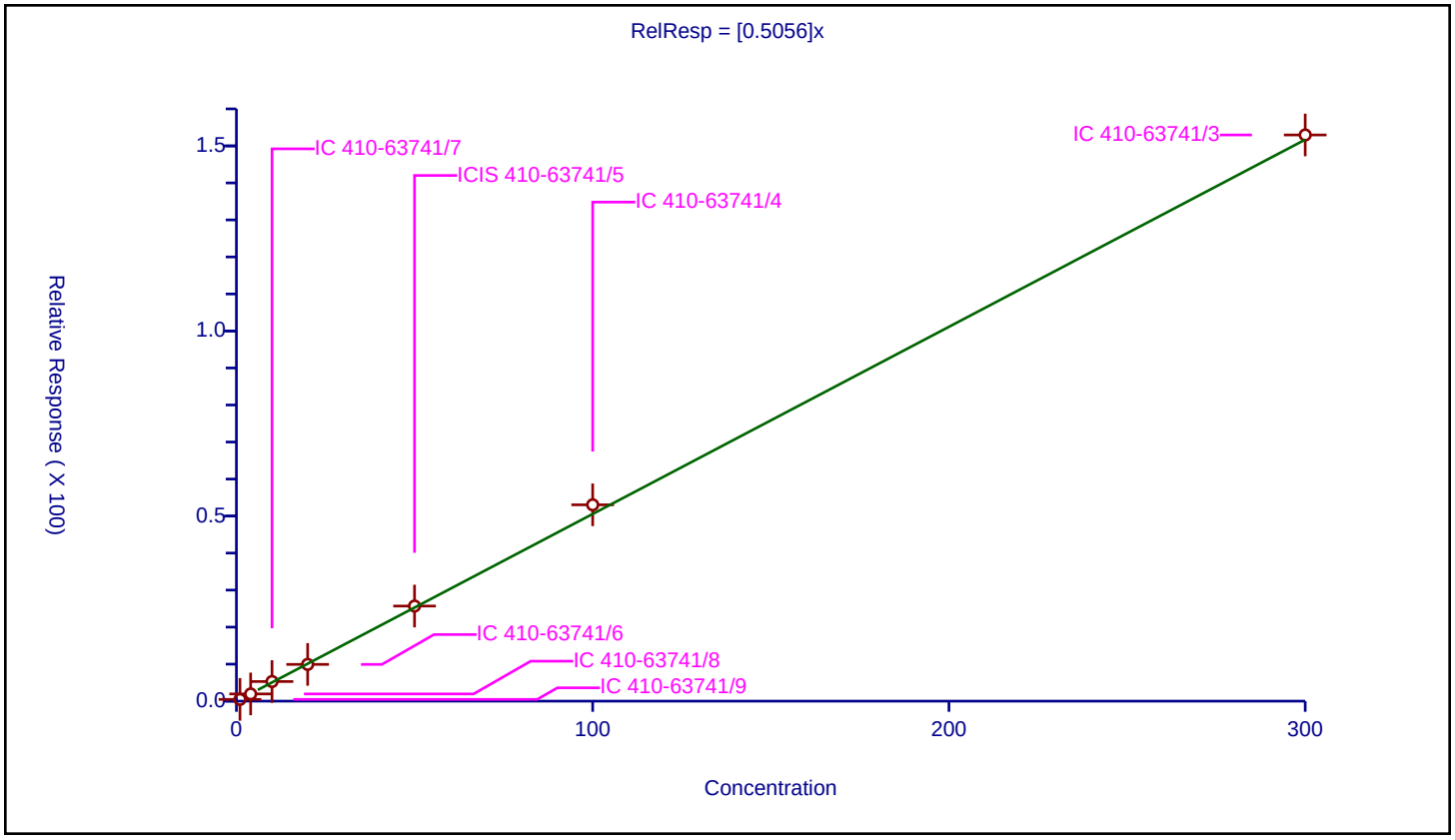
Curve Coefficients

Intercept:	0
Slope:	0.5056

Error Coefficients

Standard Error:	1760000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.472614	50.0	1310267.0	0.472614	Y
2	IC 410-63741/8	4.0	1.945503	50.0	1290720.0	0.486376	Y
3	IC 410-63741/7	10.0	5.29857	50.0	1283469.0	0.529857	Y
4	IC 410-63741/6	20.0	9.929207	50.0	1284881.0	0.49646	Y
5	ICIS 410-63741/5	50.0	25.692089	50.0	1304709.0	0.513842	Y
6	IC 410-63741/4	100.0	53.038807	50.0	1292662.0	0.530388	Y
7	IC 410-63741/3	300.0	152.952798	50.0	1315464.0	0.509843	Y



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

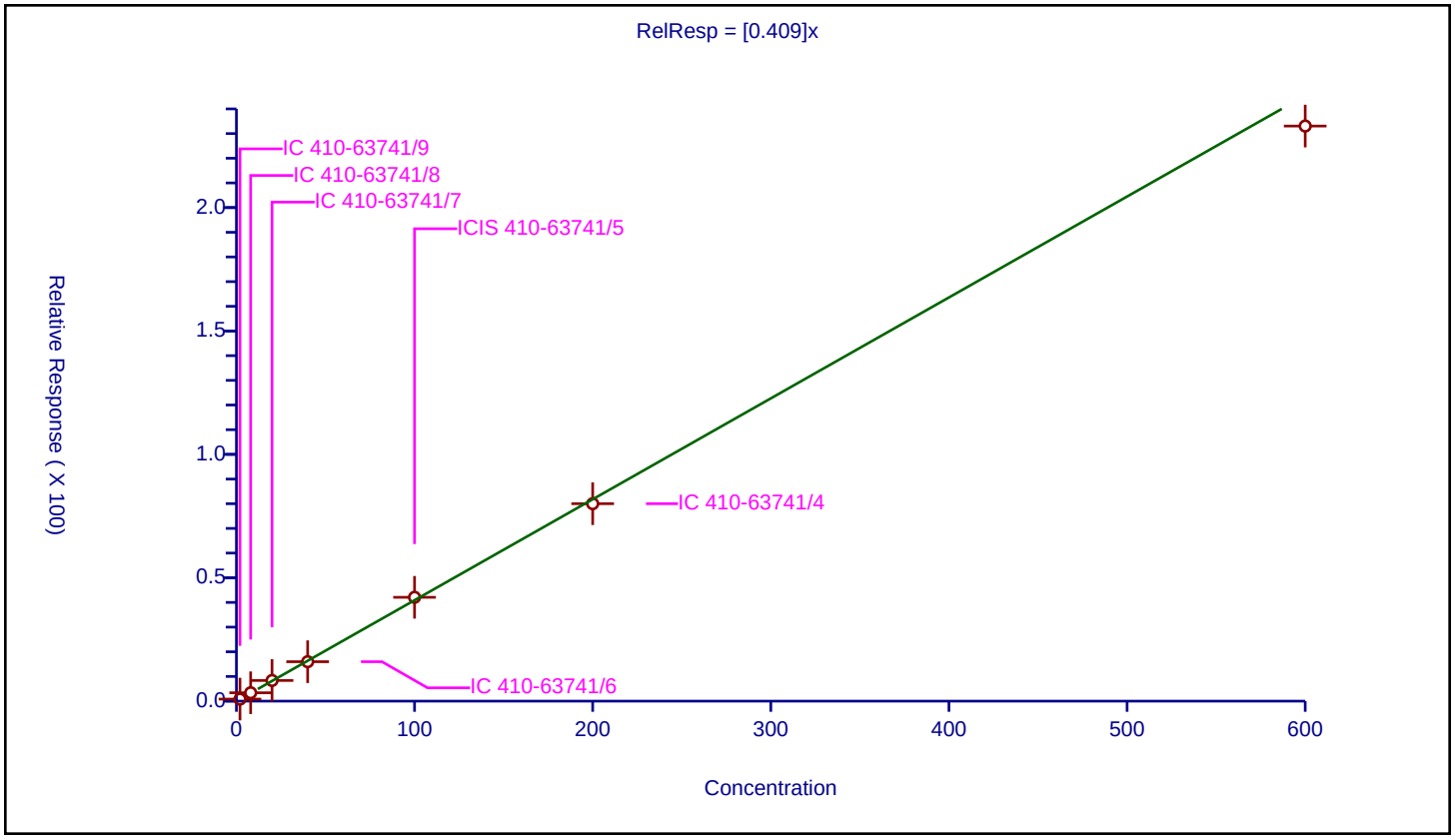
Curve Coefficients

Intercept:	0
Slope:	0.409

Error Coefficients

Standard Error:	2690000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	2.0	0.822733	50.0	1310267.0	0.411367	Y
2	IC 410-63741/8	8.0	3.394888	50.0	1290720.0	0.424361	Y
3	IC 410-63741/7	20.0	8.36744	50.0	1283469.0	0.418372	Y
4	IC 410-63741/6	40.0	15.978094	50.0	1284881.0	0.399452	Y
5	ICIS 410-63741/5	100.0	42.079843	50.0	1304709.0	0.420798	Y
6	IC 410-63741/4	200.0	80.009237	50.0	1292662.0	0.400046	Y
7	IC 410-63741/3	600.0	233.04393	50.0	1315464.0	0.388407	Y



Calibration / Toluene-d8 (Surr)

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

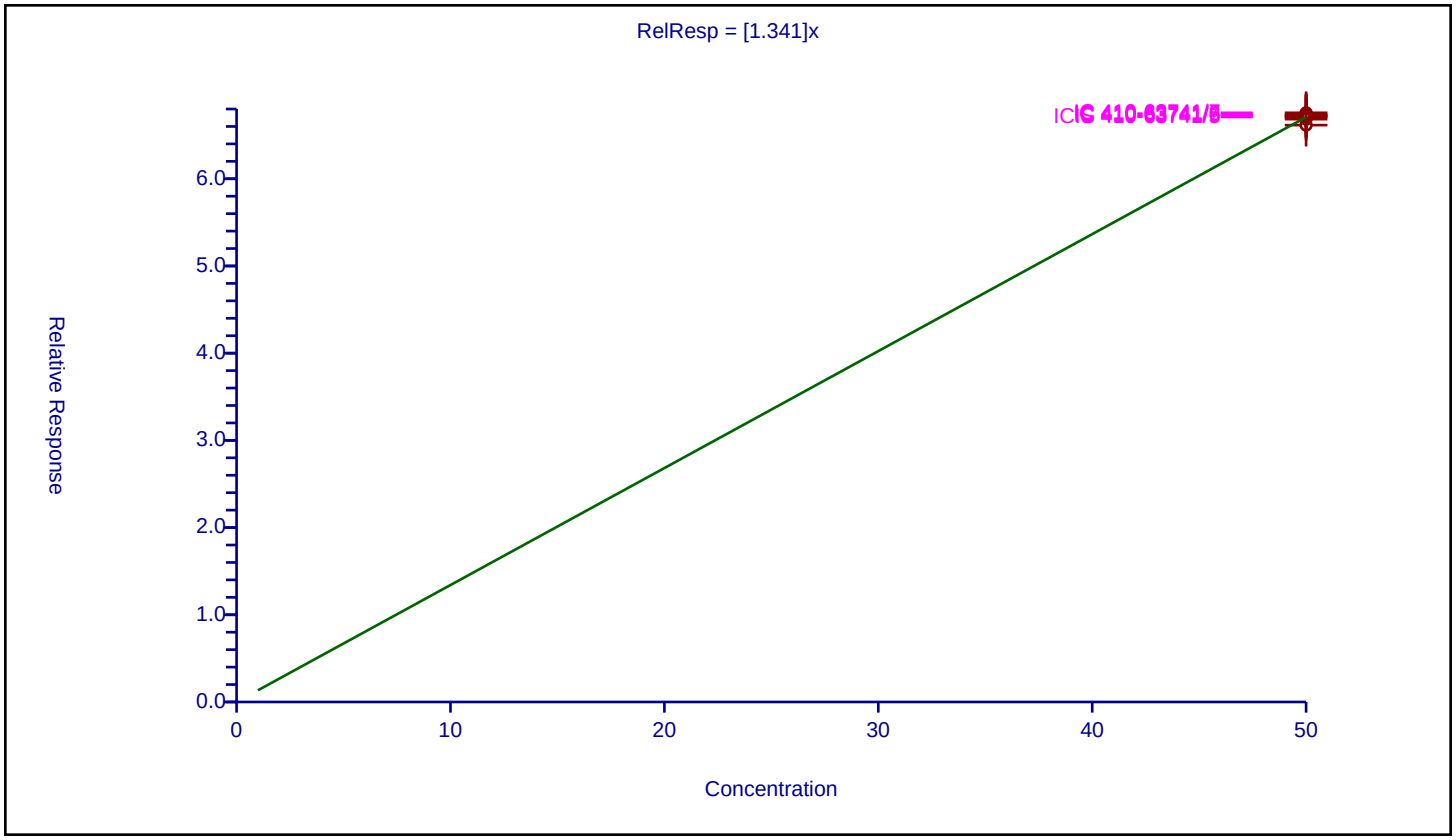
Curve Coefficients

Intercept:	0
Slope:	1.341

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	0.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/3	50.0	66.152926	50.0	1008582.0	1.323059	Y
2	IC 410-63741/4	50.0	66.838433	50.0	978556.0	1.336769	Y
3	ICIS 410-63741/5	50.0	67.092594	50.0	987609.0	1.341852	Y
4	IC 410-63741/6	50.0	67.29283	50.0	968118.0	1.345857	Y
5	IC 410-63741/7	50.0	67.564468	50.0	958193.0	1.351289	Y
6	IC 410-63741/8	50.0	67.358583	50.0	961749.0	1.347172	Y
7	IC 410-63741/9	50.0	67.135545	50.0	987570.0	1.342711	Y



Calibration / Toluene

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

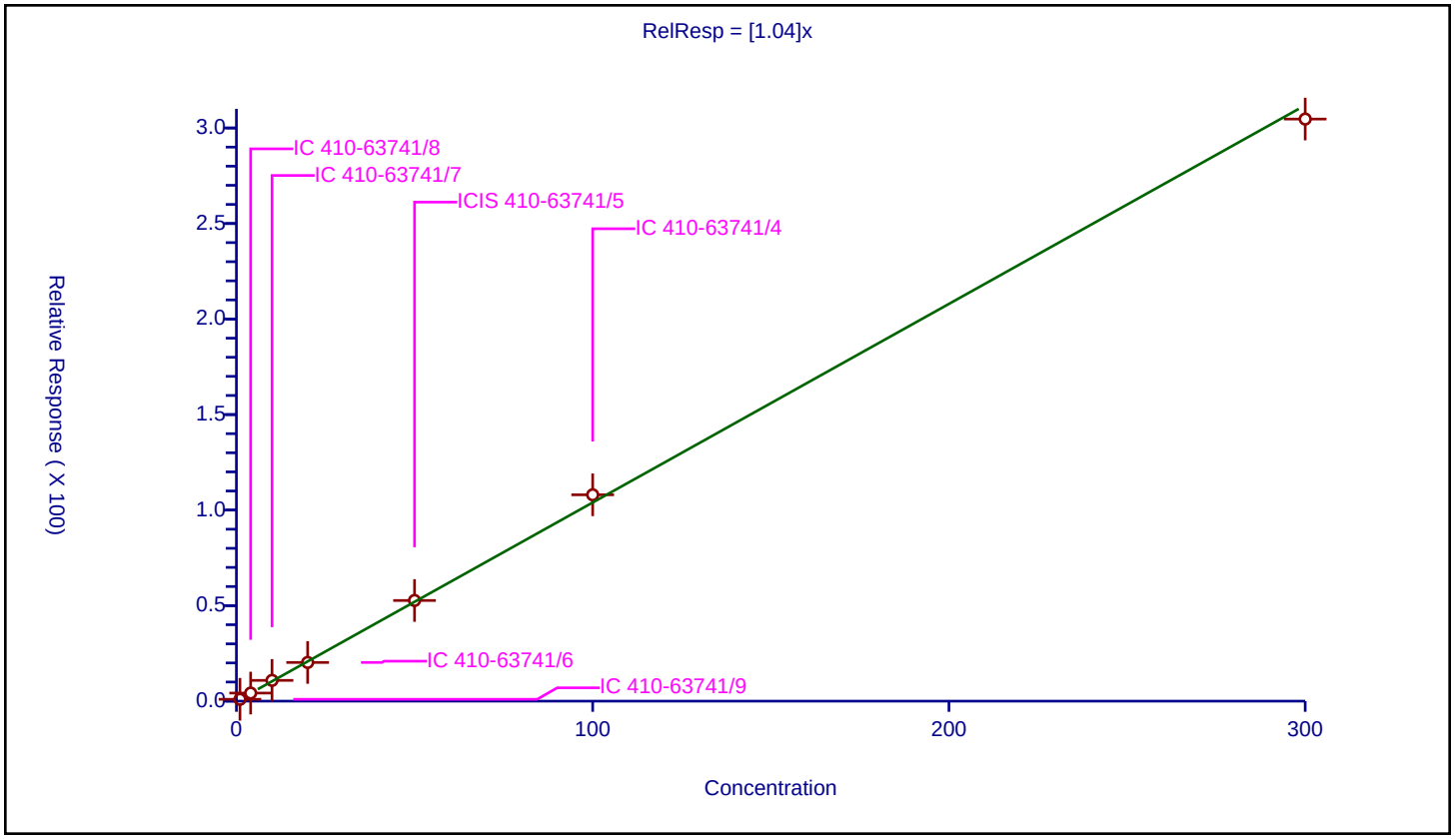
Curve Coefficients

Intercept:	0
Slope:	1.04

Error Coefficients

Standard Error:	2690000
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 410-63741/9	1.0	0.970919	50.0	987570.0	0.970919	Y
2	IC 410-63741/8	4.0	4.229066	50.0	961749.0	1.057267	Y
3	IC 410-63741/7	10.0	10.873644	50.0	958193.0	1.087364	Y
4	IC 410-63741/6	20.0	20.249598	50.0	968118.0	1.01248	Y
5	ICIS 410-63741/5	50.0	52.694842	50.0	987609.0	1.053897	Y
6	IC 410-63741/4	100.0	108.005571	50.0	978556.0	1.080056	Y
7	IC 410-63741/3	300.0	304.672203	50.0	1008582.0	1.015574	Y



Calibration / trans-1,3-Dichloropropene

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

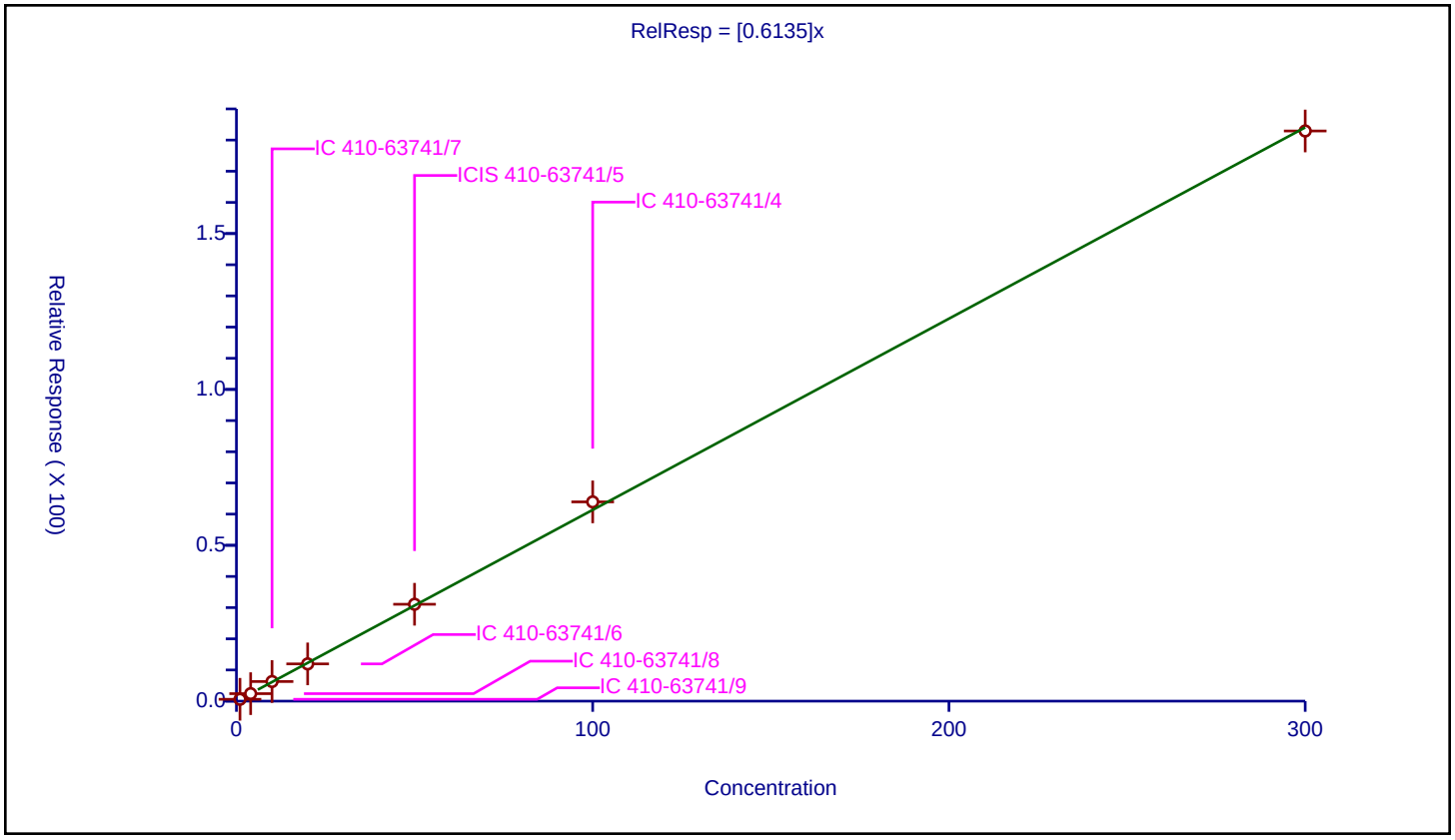
Curve Coefficients

Intercept:	0
Slope:	0.6135

Error Coefficients

Standard Error:	1610000
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 410-63741/9	1.0	0.596363	50.0	987570.0	0.596363	Y
2	IC 410-63741/8	4.0	2.405357	50.0	961749.0	0.601339	Y
3	IC 410-63741/7	10.0	6.28913	50.0	958193.0	0.628913	Y
4	IC 410-63741/6	20.0	11.948957	50.0	968118.0	0.597448	Y
5	ICIS 410-63741/5	50.0	31.080114	50.0	987609.0	0.621602	Y
6	IC 410-63741/4	100.0	63.921687	50.0	978556.0	0.639217	Y
7	IC 410-63741/3	300.0	182.912594	50.0	1008582.0	0.609709	Y



Calibration / Ethyl methacrylate

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

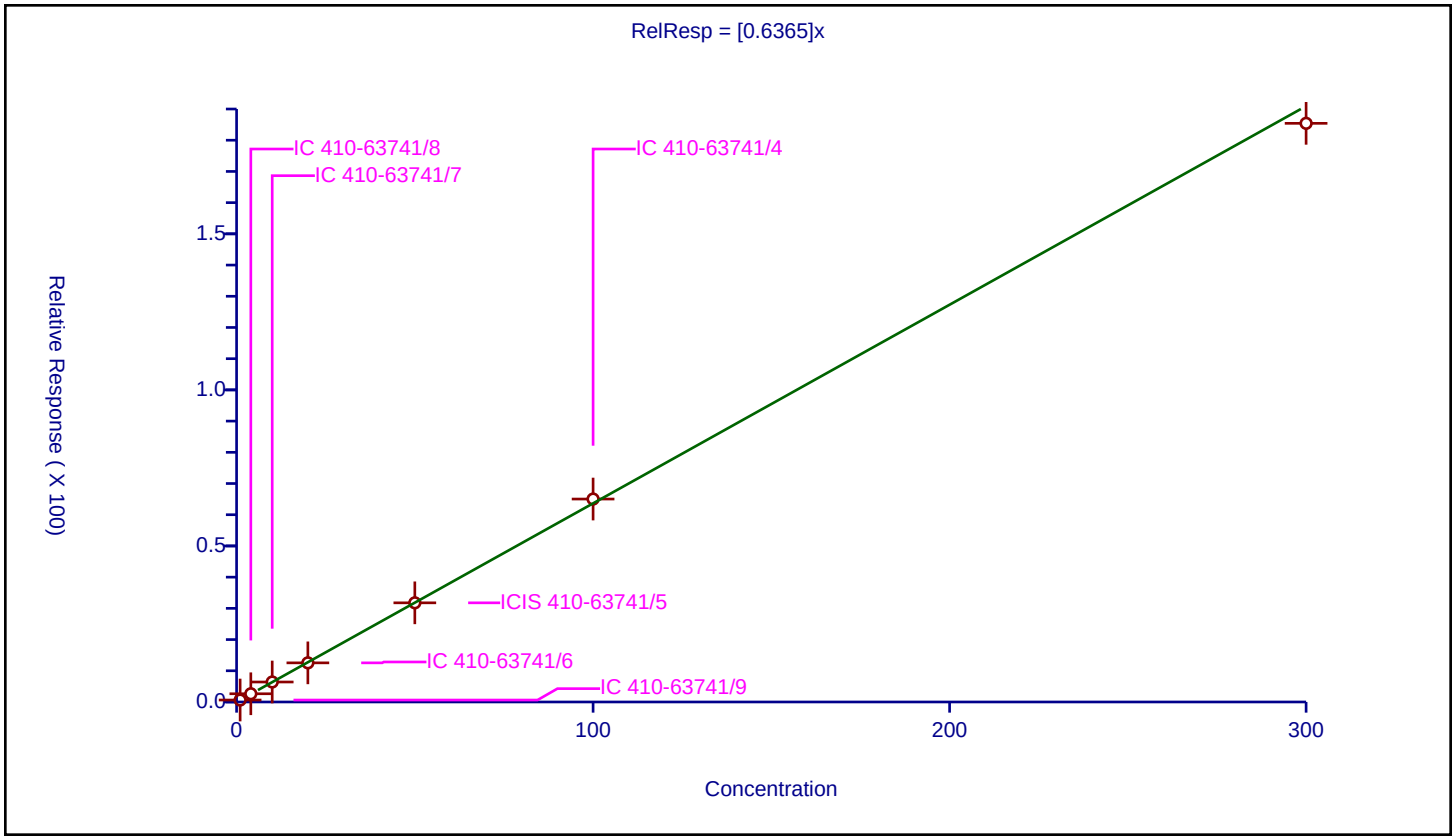
Curve Coefficients

Intercept:	0
Slope:	0.6365

Error Coefficients

Standard Error:	1640000
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 410-63741/9	1.0	0.624006	50.0	987570.0	0.624006	Y
2	IC 410-63741/8	4.0	2.639514	50.0	961749.0	0.659879	Y
3	IC 410-63741/7	10.0	6.407686	50.0	958193.0	0.640769	Y
4	IC 410-63741/6	20.0	12.537366	50.0	968118.0	0.626868	Y
5	ICIS 410-63741/5	50.0	31.773708	50.0	987609.0	0.635474	Y
6	IC 410-63741/4	100.0	65.028317	50.0	978556.0	0.650283	Y
7	IC 410-63741/3	300.0	185.411499	50.0	1008582.0	0.618038	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

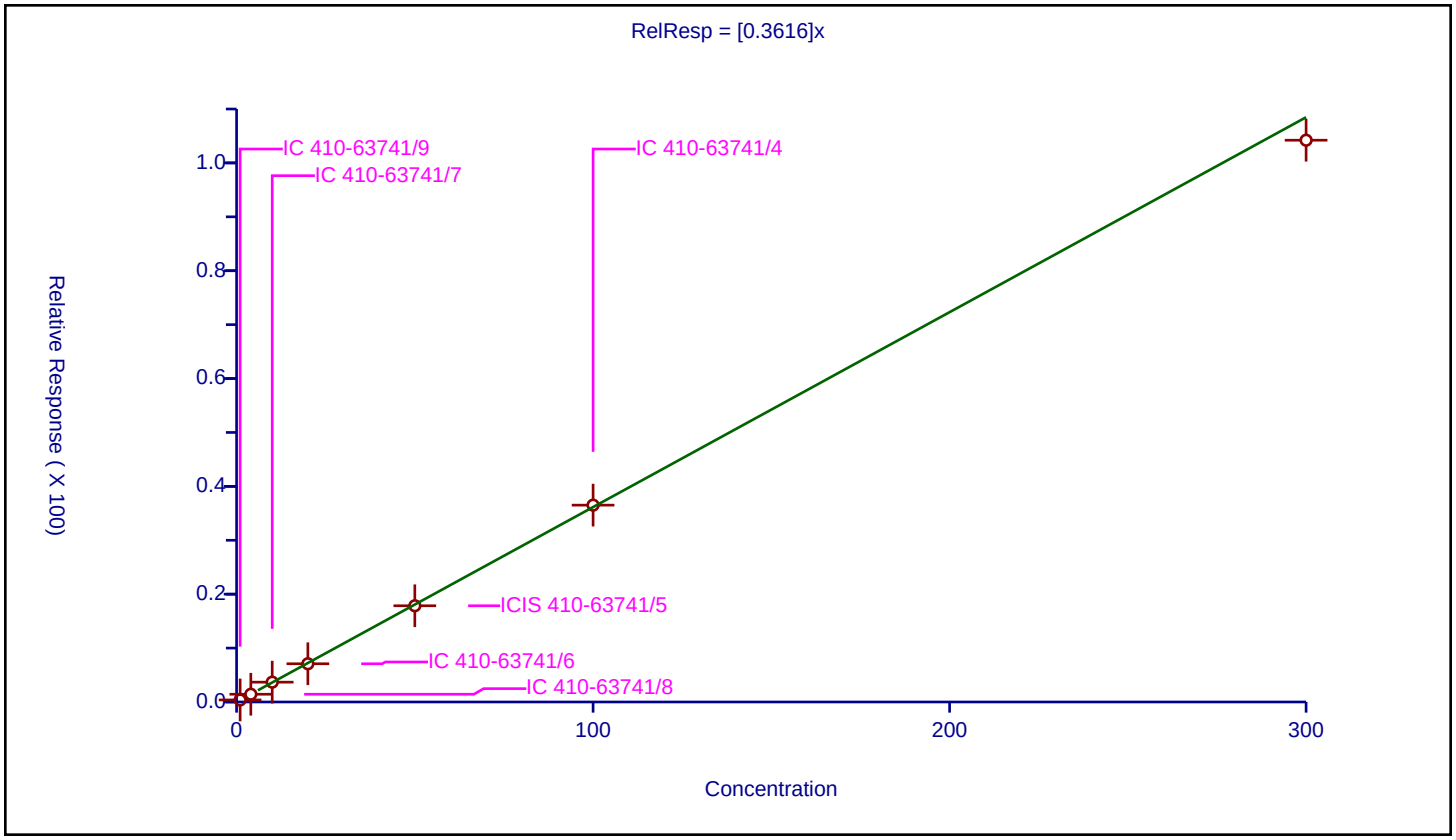
Curve Coefficients

Intercept:	0
Slope:	0.3616

Error Coefficients

Standard Error:	920000
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 410-63741/9	1.0	0.379366	50.0	987570.0	0.379366	Y
2	IC 410-63741/8	4.0	1.439045	50.0	961749.0	0.359761	Y
3	IC 410-63741/7	10.0	3.678121	50.0	958193.0	0.367812	Y
4	IC 410-63741/6	20.0	7.090406	50.0	968118.0	0.35452	Y
5	ICIS 410-63741/5	50.0	17.848157	50.0	987609.0	0.356963	Y
6	IC 410-63741/4	100.0	36.517021	50.0	978556.0	0.36517	Y
7	IC 410-63741/3	300.0	104.214233	50.0	1008582.0	0.347381	Y



Calibration / Tetrachloroethene

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

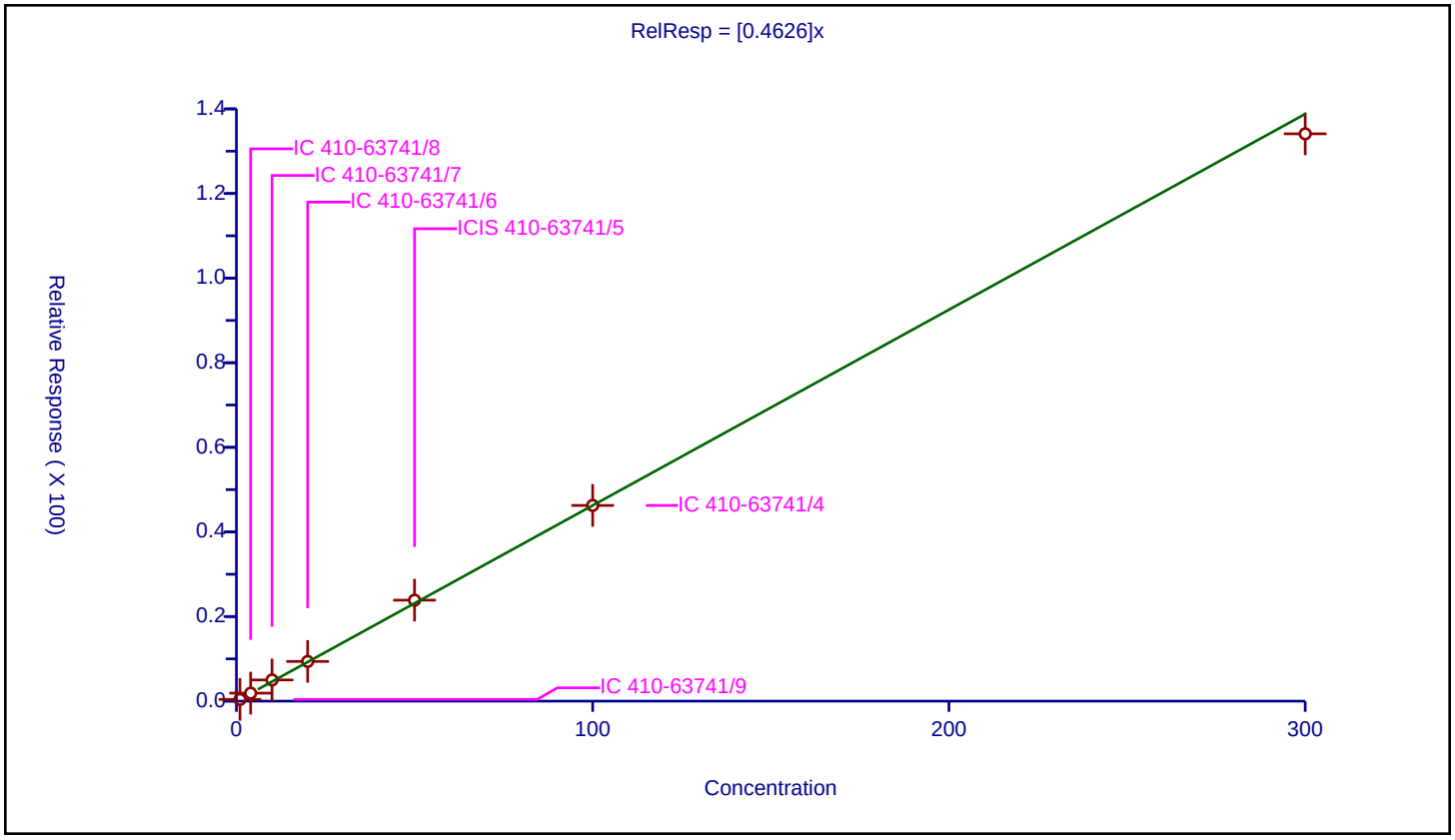
Curve Coefficients

Intercept:	0
Slope:	0.4626

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.408629	50.0	987570.0	0.408629	Y
2	IC 410-63741/8	4.0	1.891034	50.0	961749.0	0.472758	Y
3	IC 410-63741/7	10.0	5.006716	50.0	958193.0	0.500672	Y
4	IC 410-63741/6	20.0	9.385994	50.0	968118.0	0.4693	Y
5	ICIS 410-63741/5	50.0	23.871036	50.0	987609.0	0.477421	Y
6	IC 410-63741/4	100.0	46.260817	50.0	978556.0	0.462608	Y
7	IC 410-63741/3	300.0	134.106746	50.0	1008582.0	0.447022	Y



Calibration / 1,3-Dichloropropane

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

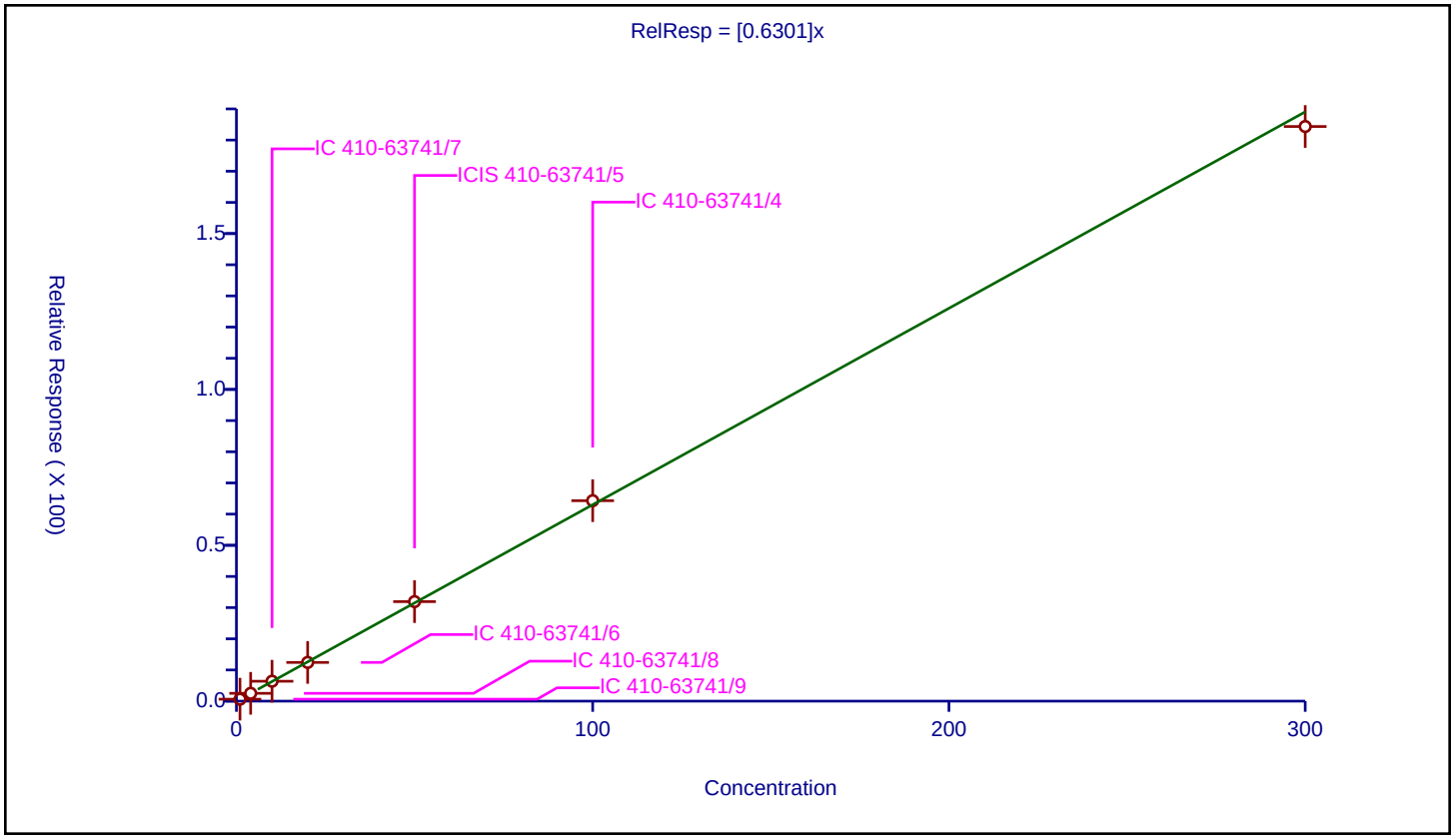
Curve Coefficients

Intercept:	0
Slope:	0.6301

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.627652	50.0	987570.0	0.627652	Y
2	IC 410-63741/8	4.0	2.509439	50.0	961749.0	0.62736	Y
3	IC 410-63741/7	10.0	6.389475	50.0	958193.0	0.638947	Y
4	IC 410-63741/6	20.0	12.417236	50.0	968118.0	0.620862	Y
5	ICIS 410-63741/5	50.0	31.929691	50.0	987609.0	0.638594	Y
6	IC 410-63741/4	100.0	64.3117	50.0	978556.0	0.643117	Y
7	IC 410-63741/3	300.0	184.351595	50.0	1008582.0	0.614505	Y



Calibration / 2-Hexanone

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

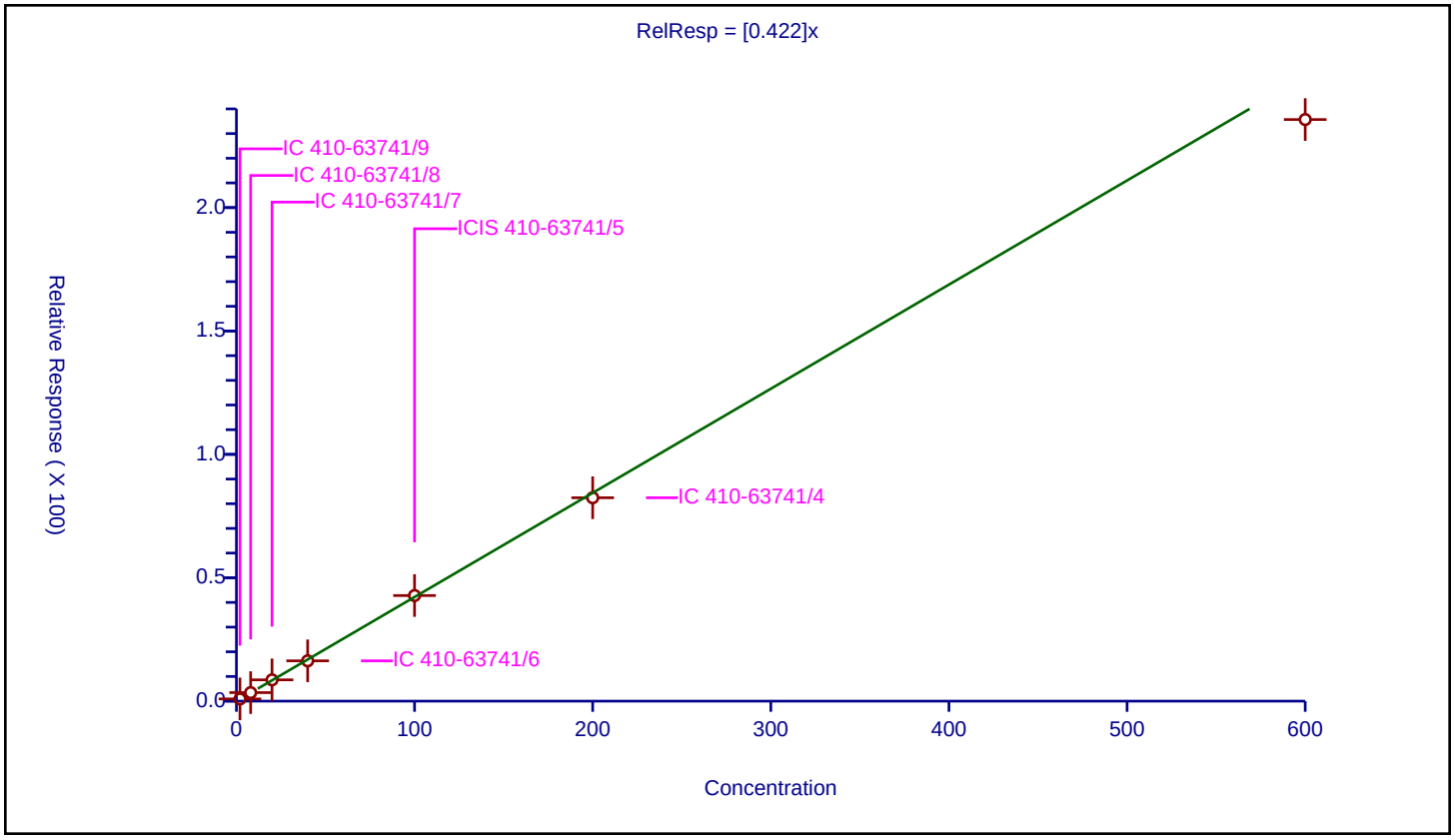
Curve Coefficients

Intercept:	0
Slope:	0.422

Error Coefficients

Standard Error:	2080000
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 410-63741/9	2.0	0.898063	50.0	987570.0	0.449031	Y
2	IC 410-63741/8	8.0	3.458699	50.0	961749.0	0.432337	Y
3	IC 410-63741/7	20.0	8.626602	50.0	958193.0	0.43133	Y
4	IC 410-63741/6	40.0	16.332152	50.0	968118.0	0.408304	Y
5	ICIS 410-63741/5	100.0	42.791125	50.0	987609.0	0.427911	Y
6	IC 410-63741/4	200.0	82.416438	50.0	978556.0	0.412082	Y
7	IC 410-63741/3	600.0	235.683812	50.0	1008582.0	0.392806	Y



Calibration / Chlorodibromomethane

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

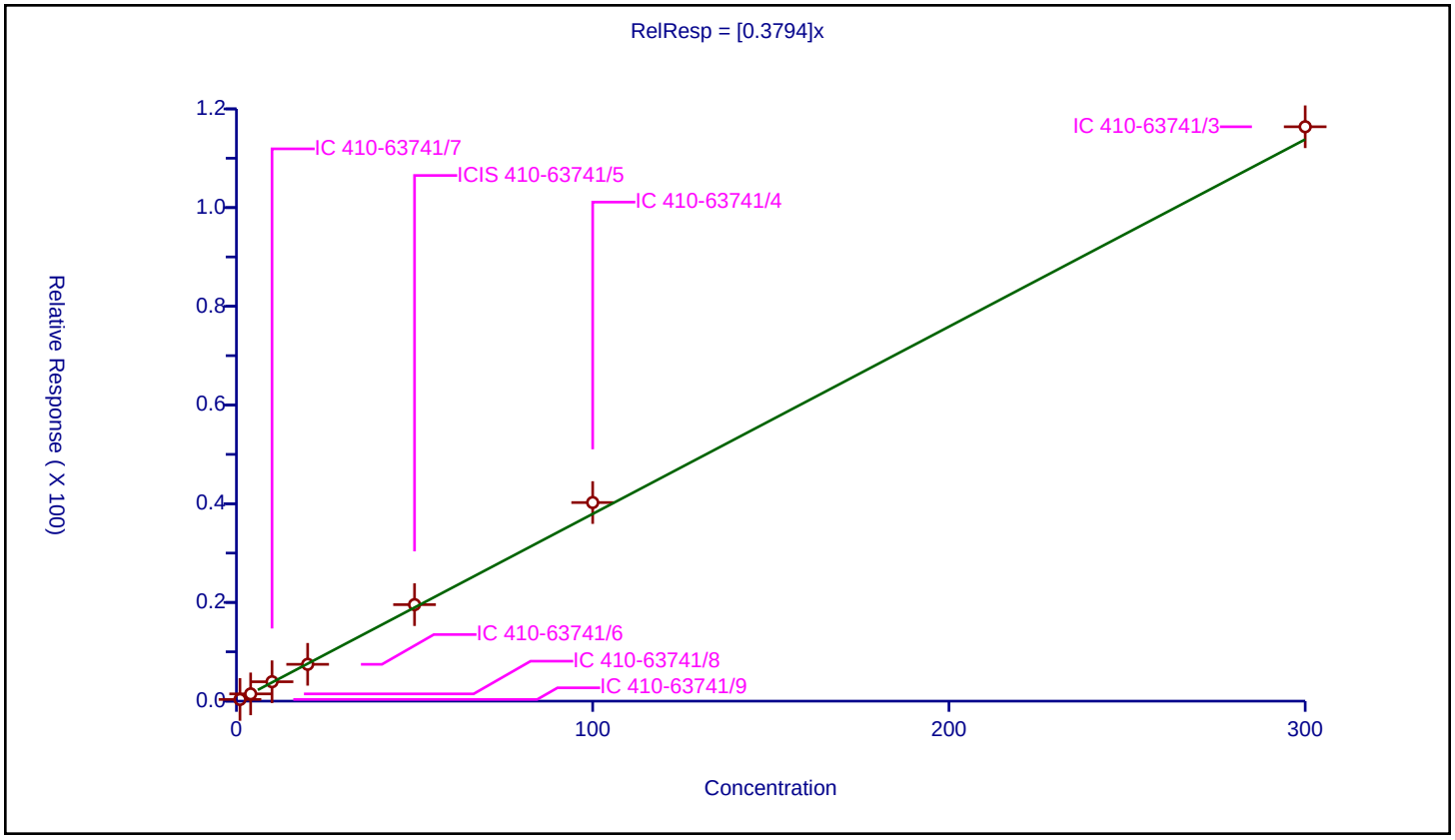
Curve Coefficients

Intercept:	0
Slope:	0.3794

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.340027	50.0	987570.0	0.340027	Y
2	IC 410-63741/8	4.0	1.47159	50.0	961749.0	0.367897	Y
3	IC 410-63741/7	10.0	3.932558	50.0	958193.0	0.393256	Y
4	IC 410-63741/6	20.0	7.463346	50.0	968118.0	0.373167	Y
5	ICIS 410-63741/5	50.0	19.55293	50.0	987609.0	0.391059	Y
6	IC 410-63741/4	100.0	40.237094	50.0	978556.0	0.402371	Y
7	IC 410-63741/3	300.0	116.379333	50.0	1008582.0	0.387931	Y



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

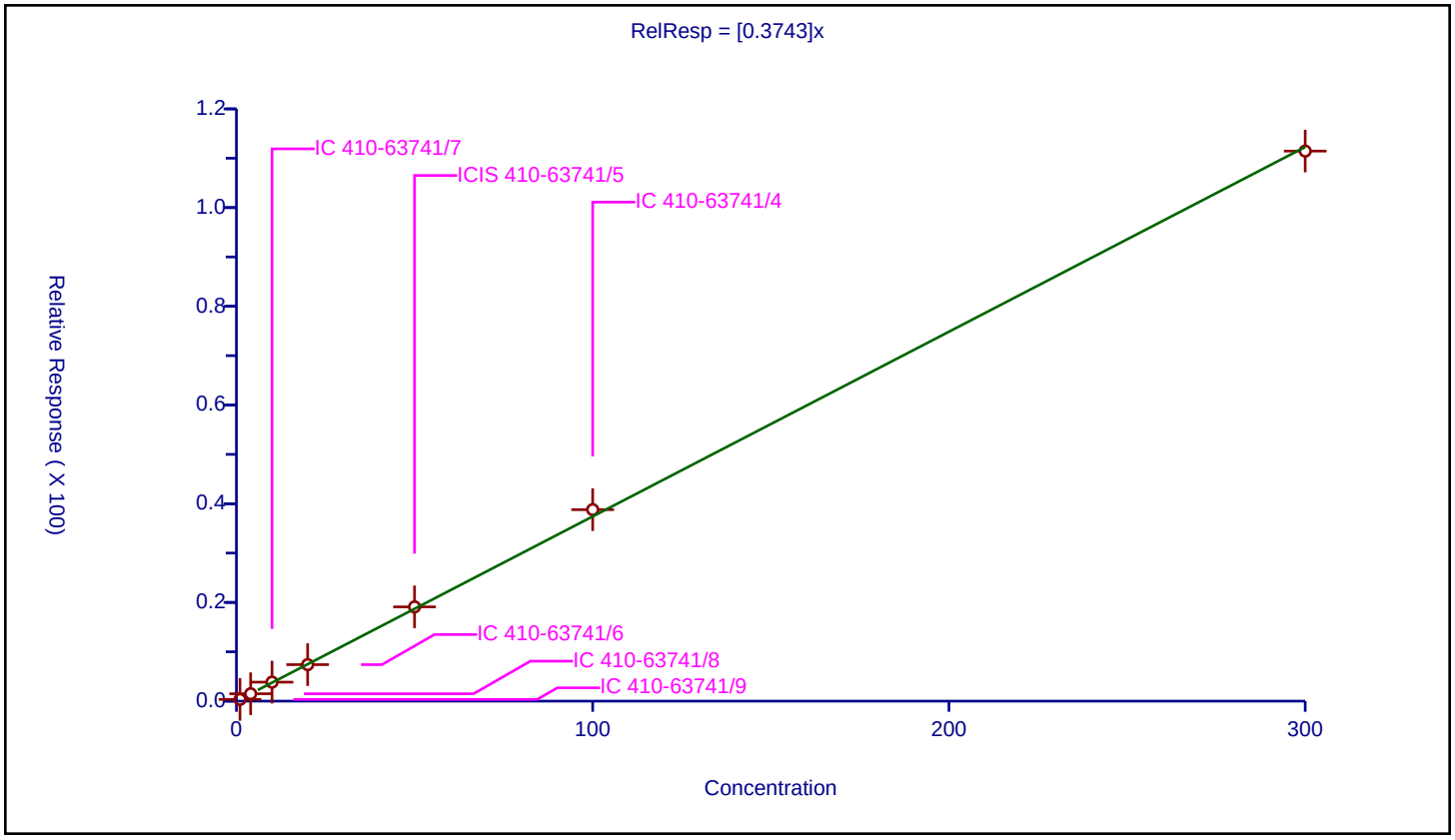
Curve Coefficients

Intercept:	0
Slope:	0.3743

Error Coefficients

Standard Error:	983000
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 410-63741/9	1.0	0.349849	50.0	987570.0	0.349849	Y
2	IC 410-63741/8	4.0	1.494933	50.0	961749.0	0.373733	Y
3	IC 410-63741/7	10.0	3.848911	50.0	958193.0	0.384891	Y
4	IC 410-63741/6	20.0	7.397652	50.0	968118.0	0.369883	Y
5	ICIS 410-63741/5	50.0	19.096474	50.0	987609.0	0.381929	Y
6	IC 410-63741/4	100.0	38.796758	50.0	978556.0	0.387968	Y
7	IC 410-63741/3	300.0	111.452862	50.0	1008582.0	0.37151	Y



Calibration / 1-Chlorohexane

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

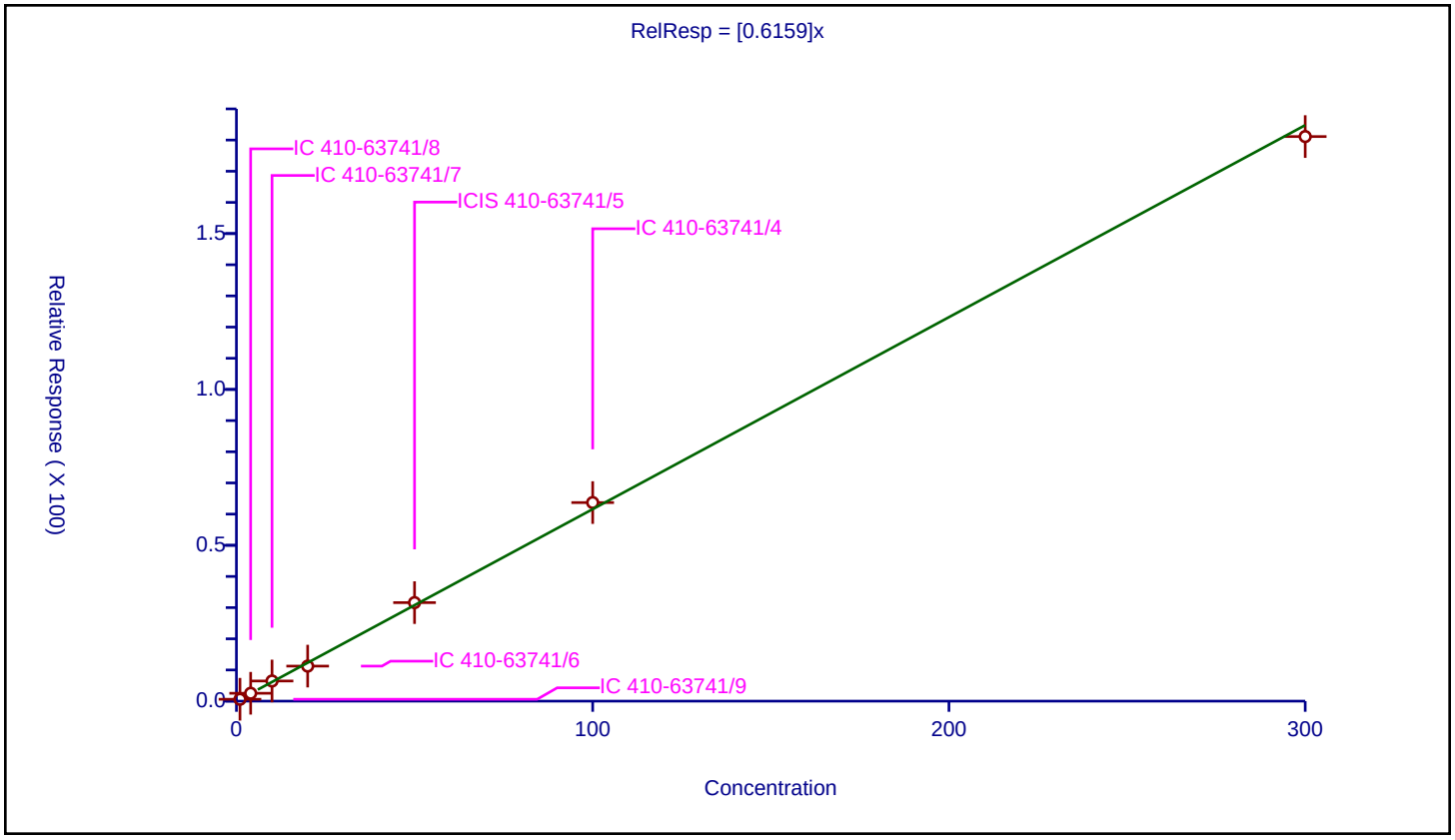
Curve Coefficients

Intercept:	0
Slope:	0.6159

Error Coefficients

Standard Error:	1600000
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 410-63741/9	1.0	0.598439	50.0	987570.0	0.598439	Y
2	IC 410-63741/8	4.0	2.524463	50.0	961749.0	0.631116	Y
3	IC 410-63741/7	10.0	6.466338	50.0	958193.0	0.646634	Y
4	IC 410-63741/6	20.0	11.243154	50.0	968118.0	0.562158	Y
5	ICIS 410-63741/5	50.0	31.609372	50.0	987609.0	0.632187	Y
6	IC 410-63741/4	100.0	63.70034	50.0	978556.0	0.637003	Y
7	IC 410-63741/3	300.0	181.124886	50.0	1008582.0	0.60375	Y



Calibration / Chlorobenzene

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

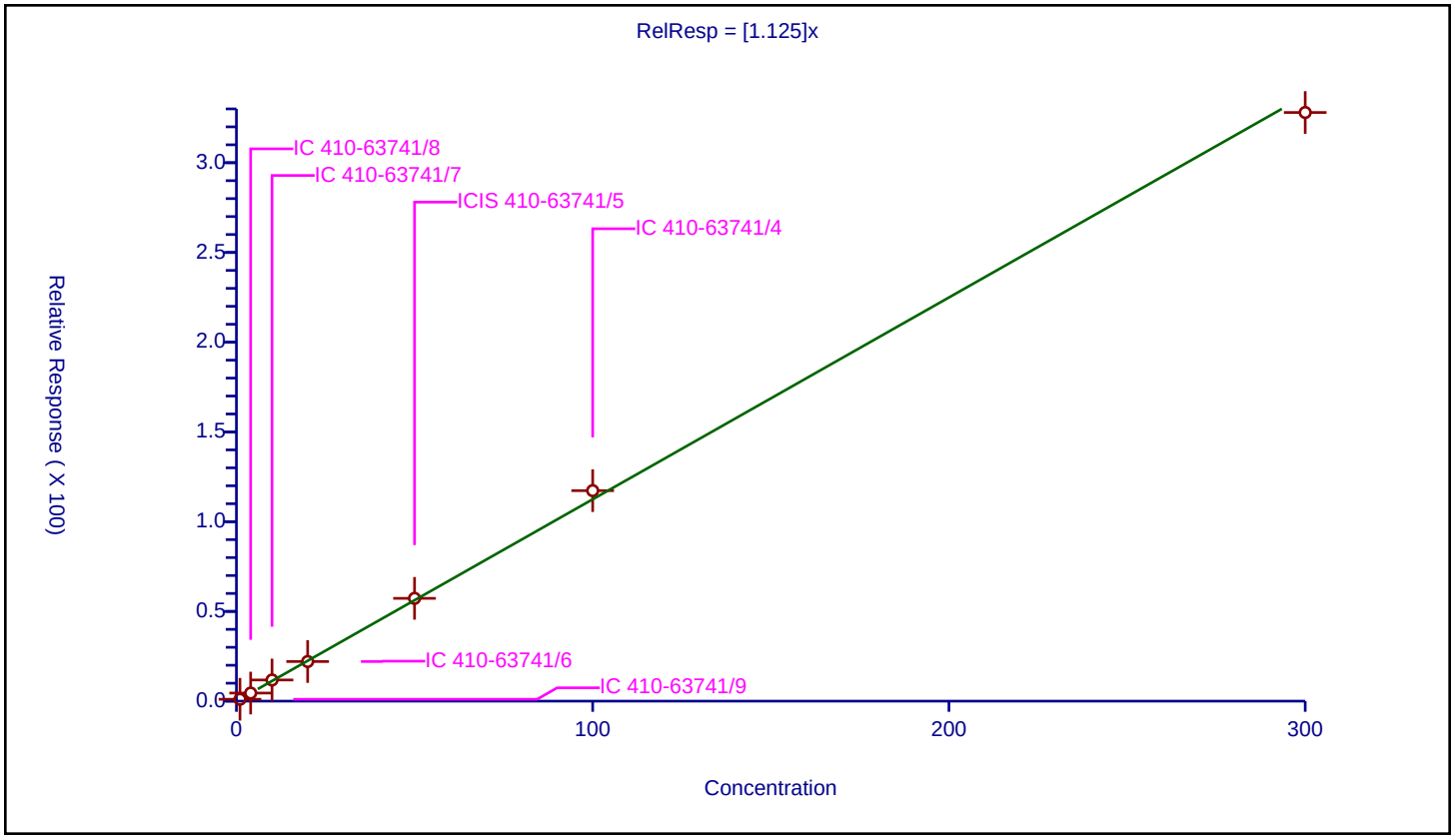
Curve Coefficients

Intercept:	0
Slope:	1.125

Error Coefficients

Standard Error:	2900000
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 410-63741/9	1.0	1.050457	50.0	987570.0	1.050457	Y
2	IC 410-63741/8	4.0	4.508141	50.0	961749.0	1.127035	Y
3	IC 410-63741/7	10.0	11.796945	50.0	958193.0	1.179694	Y
4	IC 410-63741/6	20.0	22.068023	50.0	968118.0	1.103401	Y
5	ICIS 410-63741/5	50.0	57.272716	50.0	987609.0	1.145454	Y
6	IC 410-63741/4	100.0	117.292572	50.0	978556.0	1.172926	Y
7	IC 410-63741/3	300.0	327.989593	50.0	1008582.0	1.093299	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

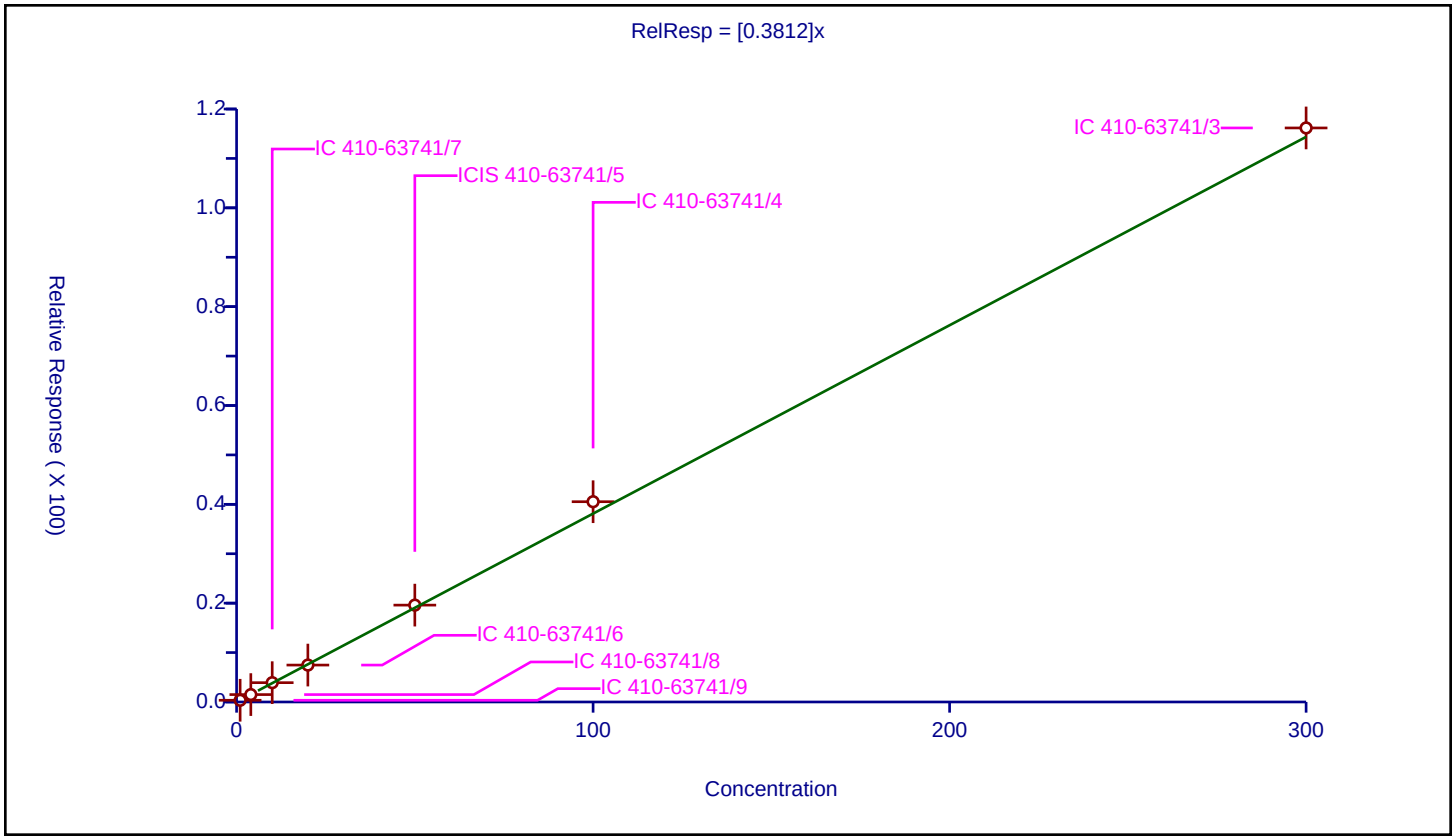
Curve Coefficients

Intercept:	0
Slope:	0.3812

Error Coefficients

Standard Error:	1020000
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 410-63741/9	1.0	0.345596	50.0	987570.0	0.345596	Y
2	IC 410-63741/8	4.0	1.495037	50.0	961749.0	0.373759	Y
3	IC 410-63741/7	10.0	3.908085	50.0	958193.0	0.390809	Y
4	IC 410-63741/6	20.0	7.473314	50.0	968118.0	0.373666	Y
5	ICIS 410-63741/5	50.0	19.601128	50.0	987609.0	0.392023	Y
6	IC 410-63741/4	100.0	40.529719	50.0	978556.0	0.405297	Y
7	IC 410-63741/3	300.0	116.169979	50.0	1008582.0	0.387233	Y



Calibration / Ethylbenzene

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

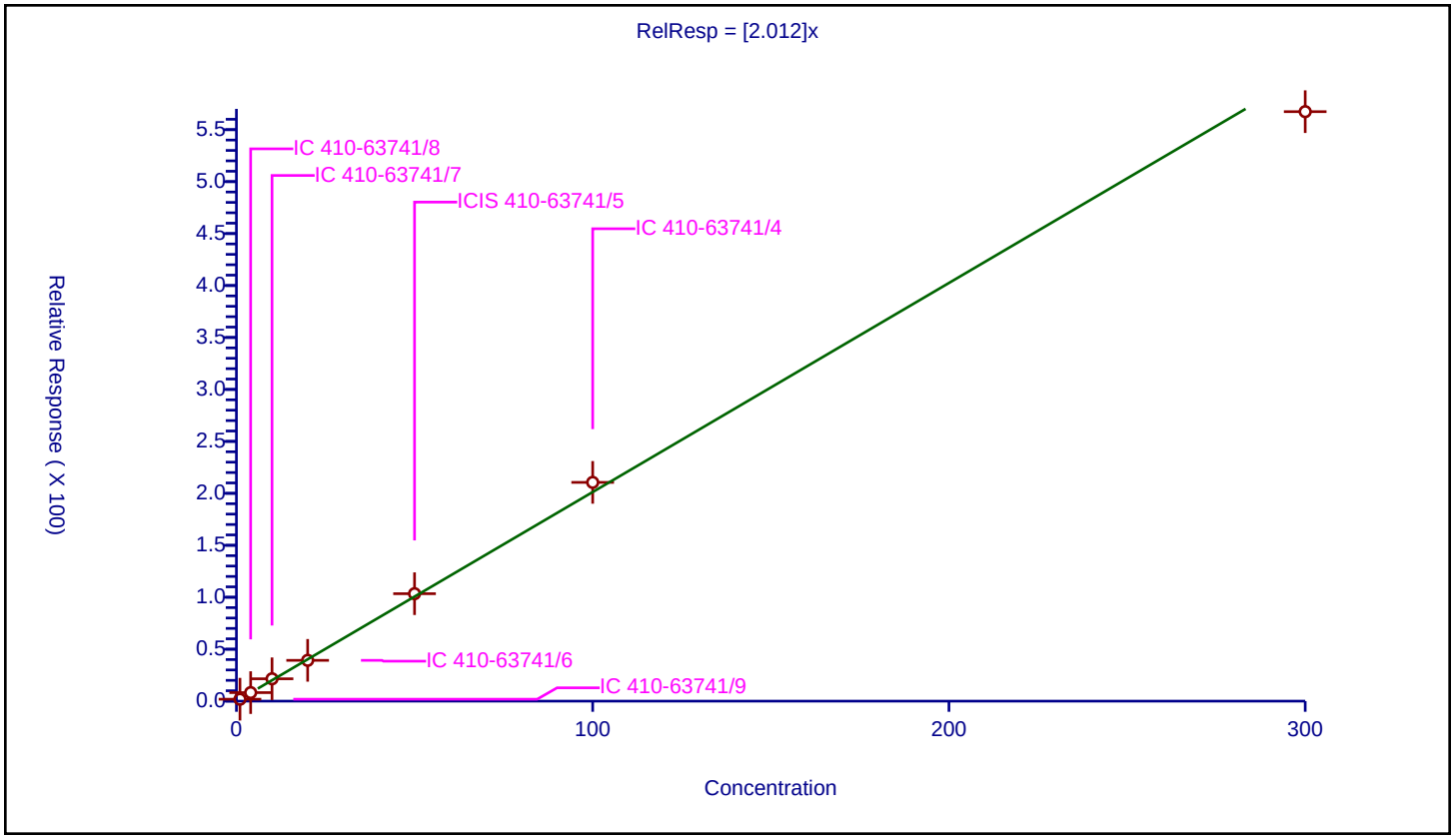
Curve Coefficients

Intercept:	0
Slope:	2.012

Error Coefficients

Standard Error:	5050000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	1.852527	50.0	987570.0	1.852527	Y
2	IC 410-63741/8	4.0	8.217321	50.0	961749.0	2.05433	Y
3	IC 410-63741/7	10.0	21.517273	50.0	958193.0	2.151727	Y
4	IC 410-63741/6	20.0	39.246507	50.0	968118.0	1.962325	Y
5	ICIS 410-63741/5	50.0	103.417446	50.0	987609.0	2.068349	Y
6	IC 410-63741/4	100.0	210.533071	50.0	978556.0	2.105331	Y
7	IC 410-63741/3	300.0	567.336221	50.0	1008582.0	1.891121	Y



Calibration / m-Xylene & p-Xylene

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

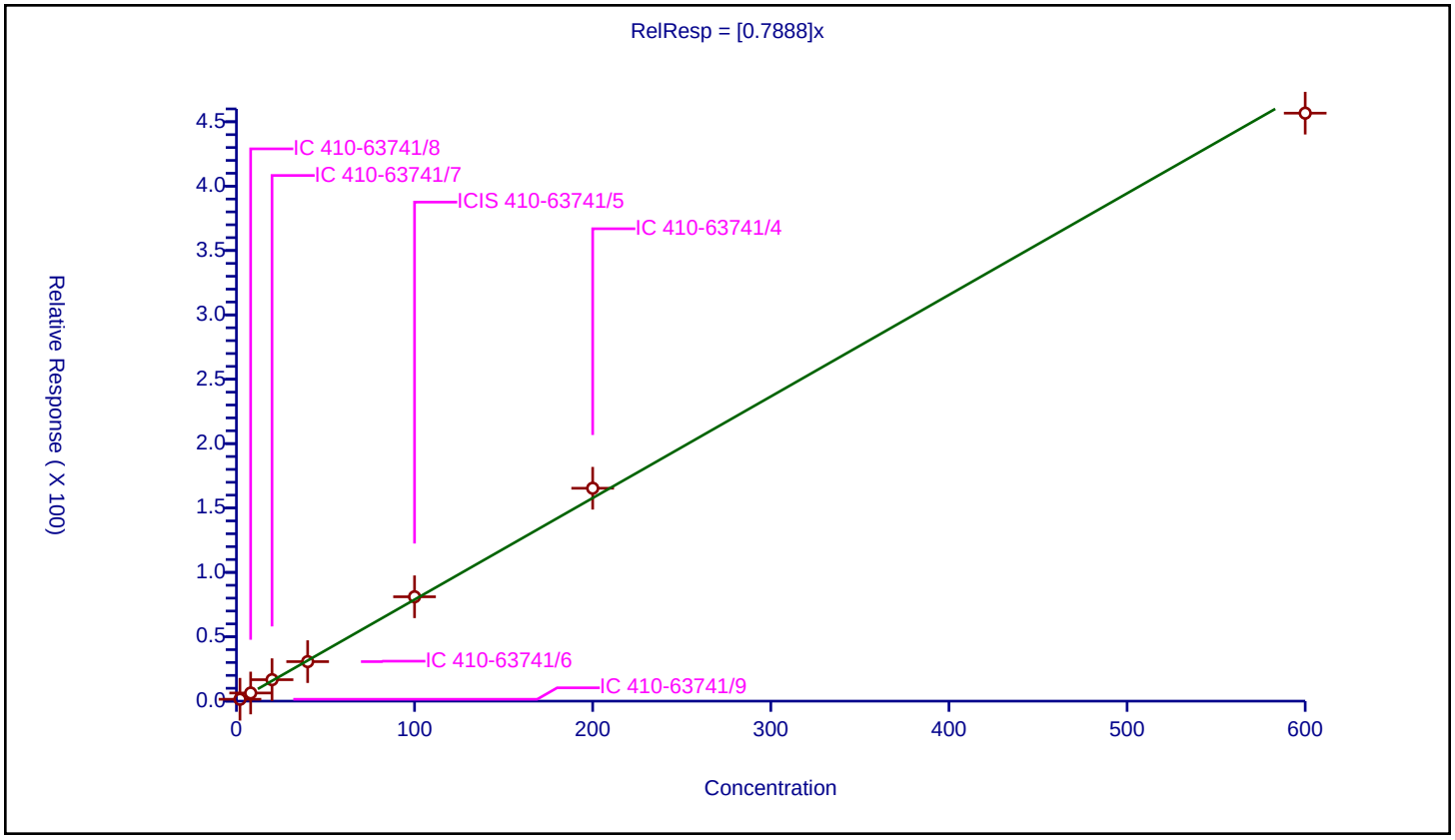
Curve Coefficients

Intercept:	0
Slope:	0.7888

Error Coefficients

Standard Error:	4050000
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 410-63741/9	2.0	1.462985	50.0	987570.0	0.731492	Y
2	IC 410-63741/8	8.0	6.325975	50.0	961749.0	0.790747	Y
3	IC 410-63741/7	20.0	16.672737	50.0	958193.0	0.833637	Y
4	IC 410-63741/6	40.0	30.68221	50.0	968118.0	0.767055	Y
5	ICIS 410-63741/5	100.0	81.060572	50.0	987609.0	0.810606	Y
6	IC 410-63741/4	200.0	165.356198	50.0	978556.0	0.826781	Y
7	IC 410-63741/3	600.0	456.690681	50.0	1008582.0	0.761151	Y



Calibration / o-Xylene

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

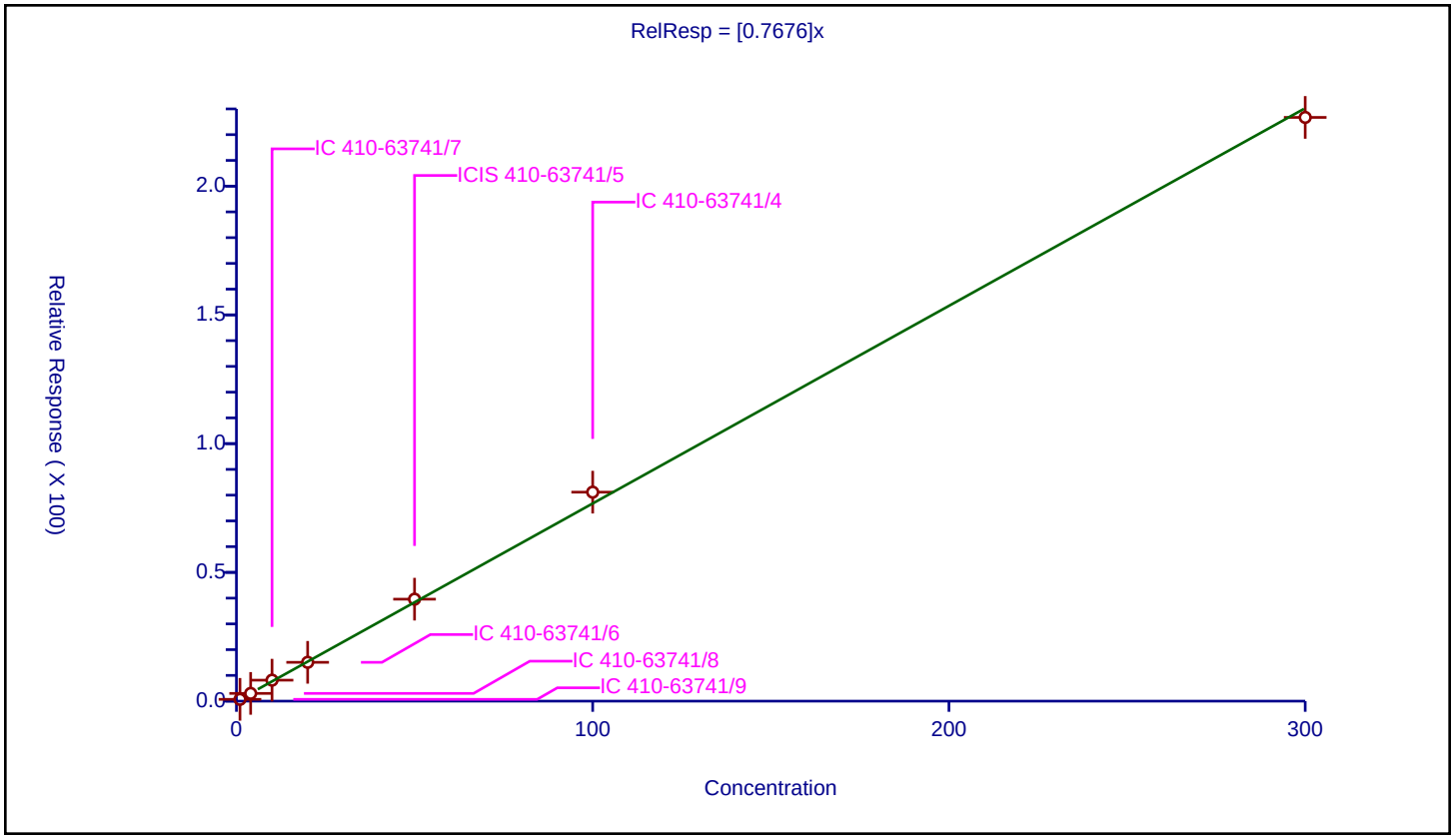
Curve Coefficients

Intercept:	0
Slope:	0.7676

Error Coefficients

Standard Error:	2010000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.696153	50.0	987570.0	0.696153	Y
2	IC 410-63741/8	4.0	3.000315	50.0	961749.0	0.750079	Y
3	IC 410-63741/7	10.0	8.140688	50.0	958193.0	0.814069	Y
4	IC 410-63741/6	20.0	15.07089	50.0	968118.0	0.753545	Y
5	ICIS 410-63741/5	50.0	39.599426	50.0	987609.0	0.791989	Y
6	IC 410-63741/4	100.0	81.160557	50.0	978556.0	0.811606	Y
7	IC 410-63741/3	300.0	226.689501	50.0	1008582.0	0.755632	Y



Calibration / Styrene

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

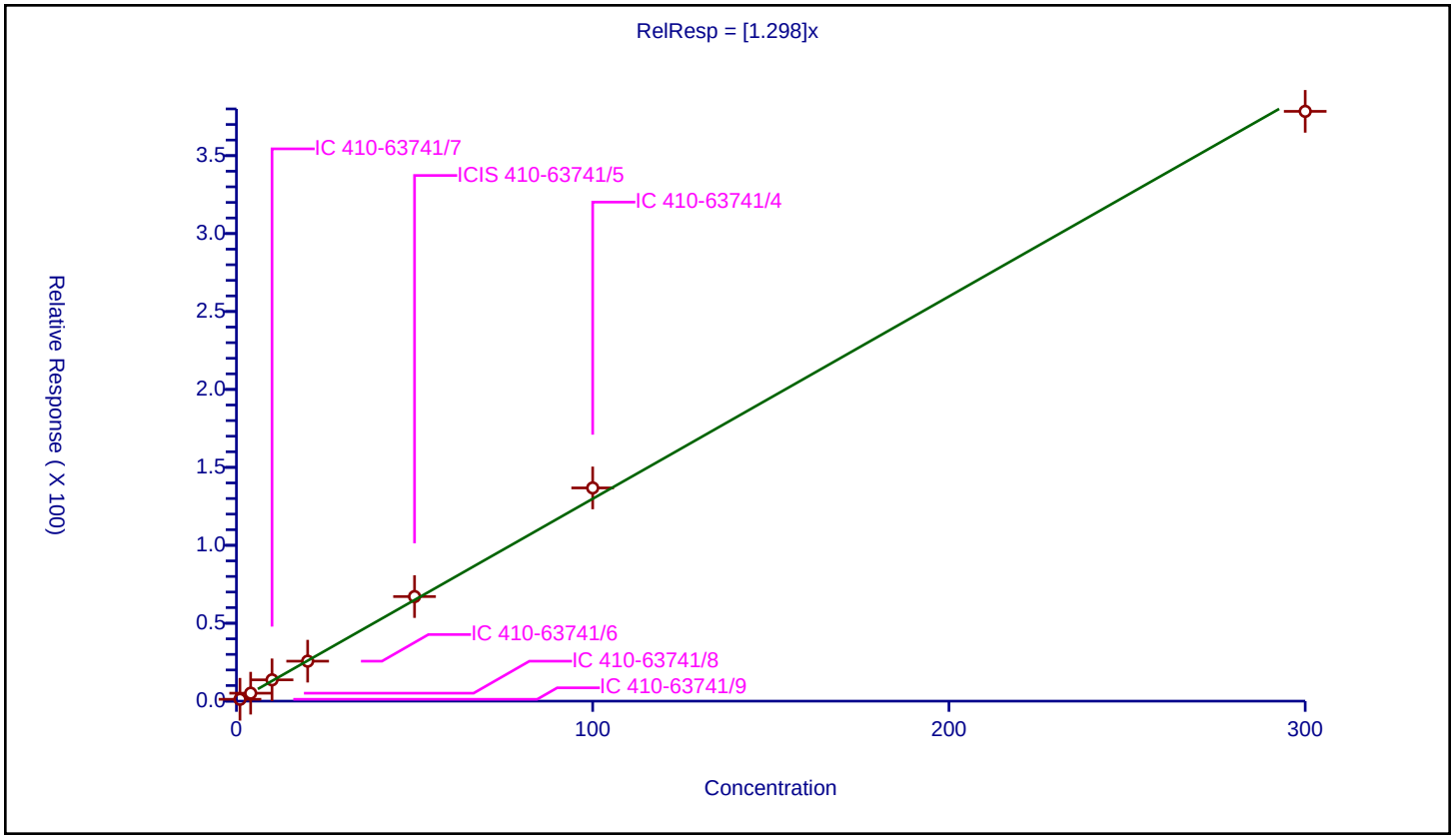
Curve Coefficients

Intercept:	0
Slope:	1.298

Error Coefficients

Standard Error:	3350000
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 410-63741/9	1.0	1.191814	50.0	987570.0	1.191814	Y
2	IC 410-63741/8	4.0	5.106374	50.0	961749.0	1.276593	Y
3	IC 410-63741/7	10.0	13.659513	50.0	958193.0	1.365951	Y
4	IC 410-63741/6	20.0	25.649972	50.0	968118.0	1.282499	Y
5	ICIS 410-63741/5	50.0	67.096645	50.0	987609.0	1.341933	Y
6	IC 410-63741/4	100.0	136.802493	50.0	978556.0	1.368025	Y
7	IC 410-63741/3	300.0	378.419603	50.0	1008582.0	1.261399	Y



Calibration / Bromoform

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

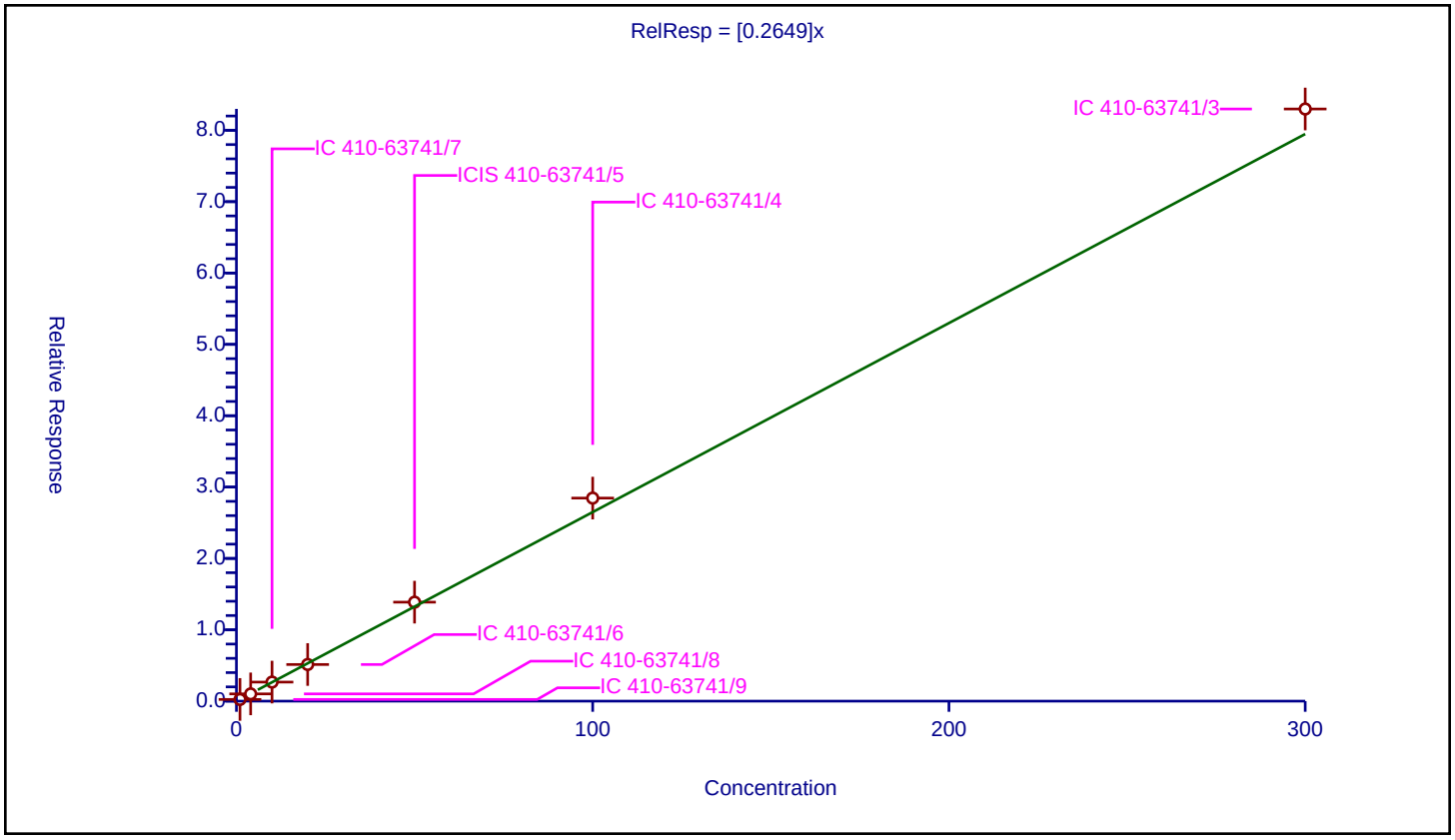
Curve Coefficients

Intercept:	0
Slope:	0.2649

Error Coefficients

Standard Error:	730000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.237603	50.0	987570.0	0.237603	Y
2	IC 410-63741/8	4.0	1.017157	50.0	961749.0	0.254289	Y
3	IC 410-63741/7	10.0	2.671904	50.0	958193.0	0.26719	Y
4	IC 410-63741/6	20.0	5.134808	50.0	968118.0	0.25674	Y
5	ICIS 410-63741/5	50.0	13.871482	50.0	987609.0	0.27743	Y
6	IC 410-63741/4	100.0	28.457186	50.0	978556.0	0.284572	Y
7	IC 410-63741/3	300.0	82.983932	50.0	1008582.0	0.276613	Y



Calibration / Isopropylbenzene

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

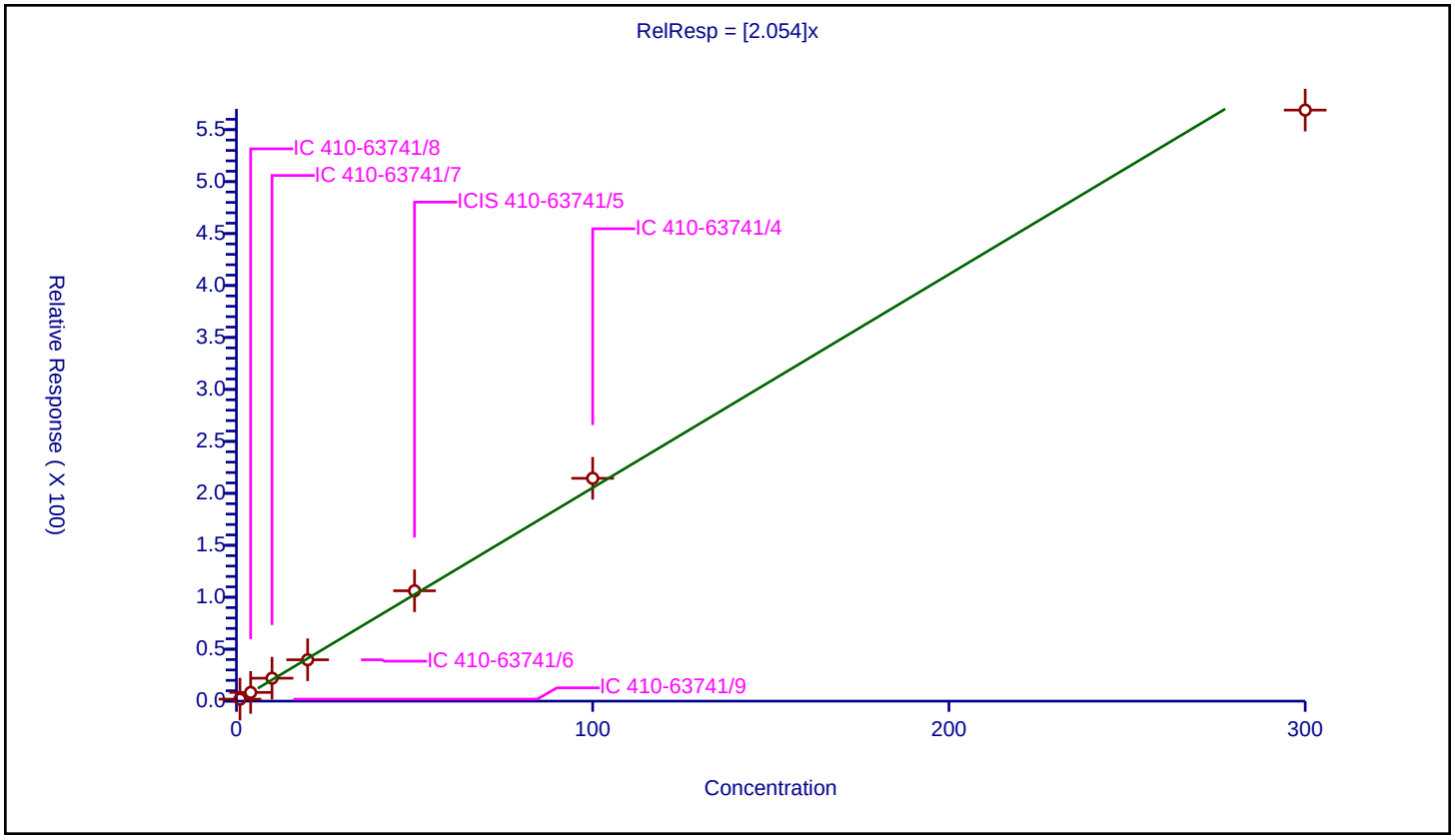
Curve Coefficients

Intercept:	0
Slope:	2.054

Error Coefficients

Standard Error:	5070000
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 410-63741/9	1.0	1.914244	50.0	987570.0	1.914244	Y
2	IC 410-63741/8	4.0	8.392366	50.0	961749.0	2.098092	Y
3	IC 410-63741/7	10.0	22.071284	50.0	958193.0	2.207128	Y
4	IC 410-63741/6	20.0	39.816634	50.0	968118.0	1.990832	Y
5	ICIS 410-63741/5	50.0	106.209137	50.0	987609.0	2.124183	Y
6	IC 410-63741/4	100.0	214.463863	50.0	978556.0	2.144639	Y
7	IC 410-63741/3	300.0	568.849979	50.0	1008582.0	1.896167	Y



Calibration / Cyclohexanone

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

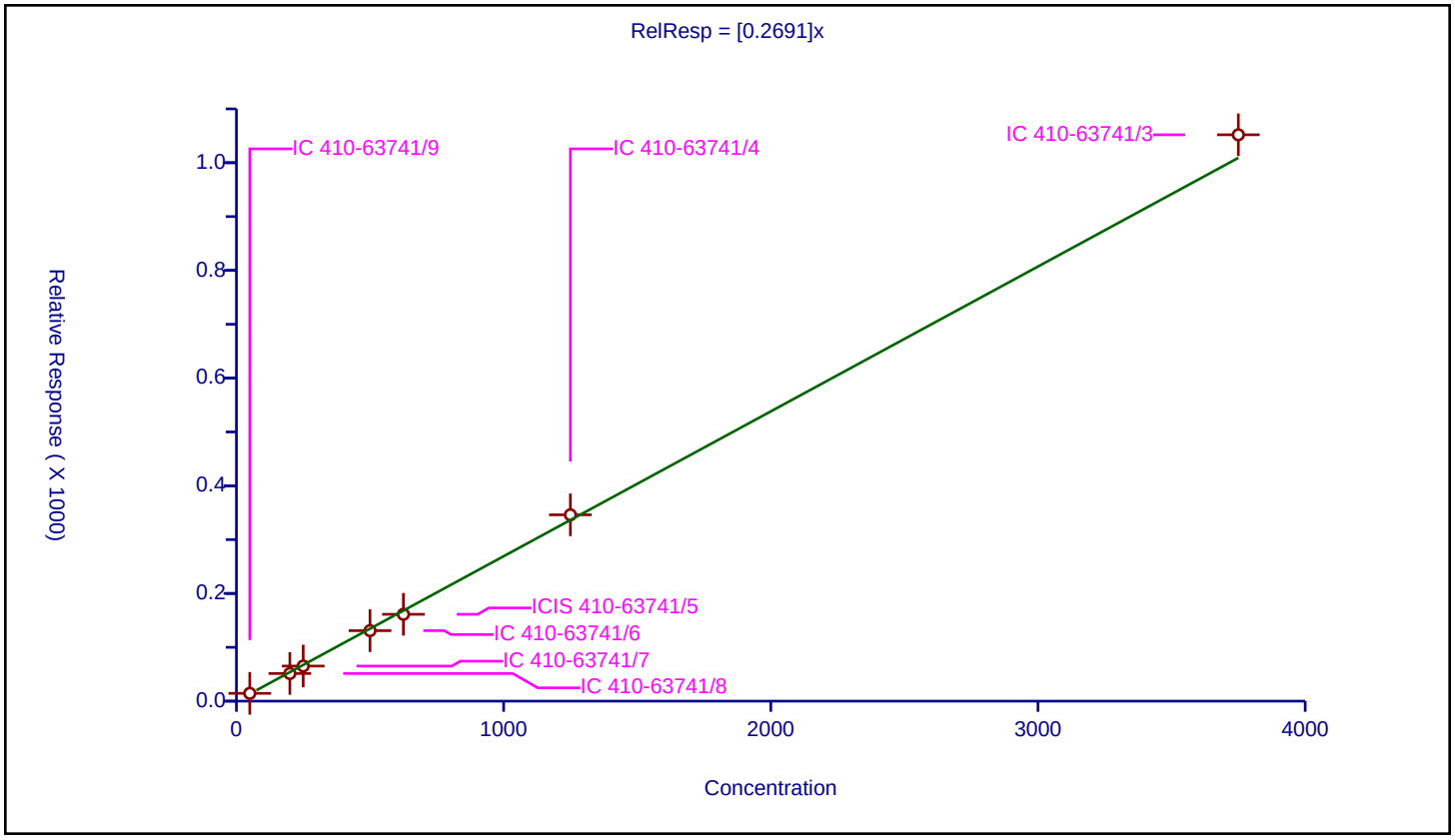
Curve Coefficients

Intercept:	0
Slope:	0.2691

Error Coefficients

Standard Error:	554000
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 410-63741/9	49.996721	14.447454	250.0	306092.0	0.288968	Y
2	IC 410-63741/8	199.986883	51.312144	250.0	318677.0	0.256578	Y
3	IC 410-63741/7	249.983604	65.176725	250.0	301768.0	0.260724	Y
4	IC 410-63741/6	499.967208	130.916696	250.0	305914.0	0.261851	Y
5	ICIS 410-63741/5	624.95901	161.303342	250.0	325187.0	0.258102	Y
6	IC 410-63741/4	1249.91802	346.04142	250.0	287881.0	0.276851	Y
7	IC 410-63741/3	3749.75406	1051.935787	250.0	301247.0	0.280535	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

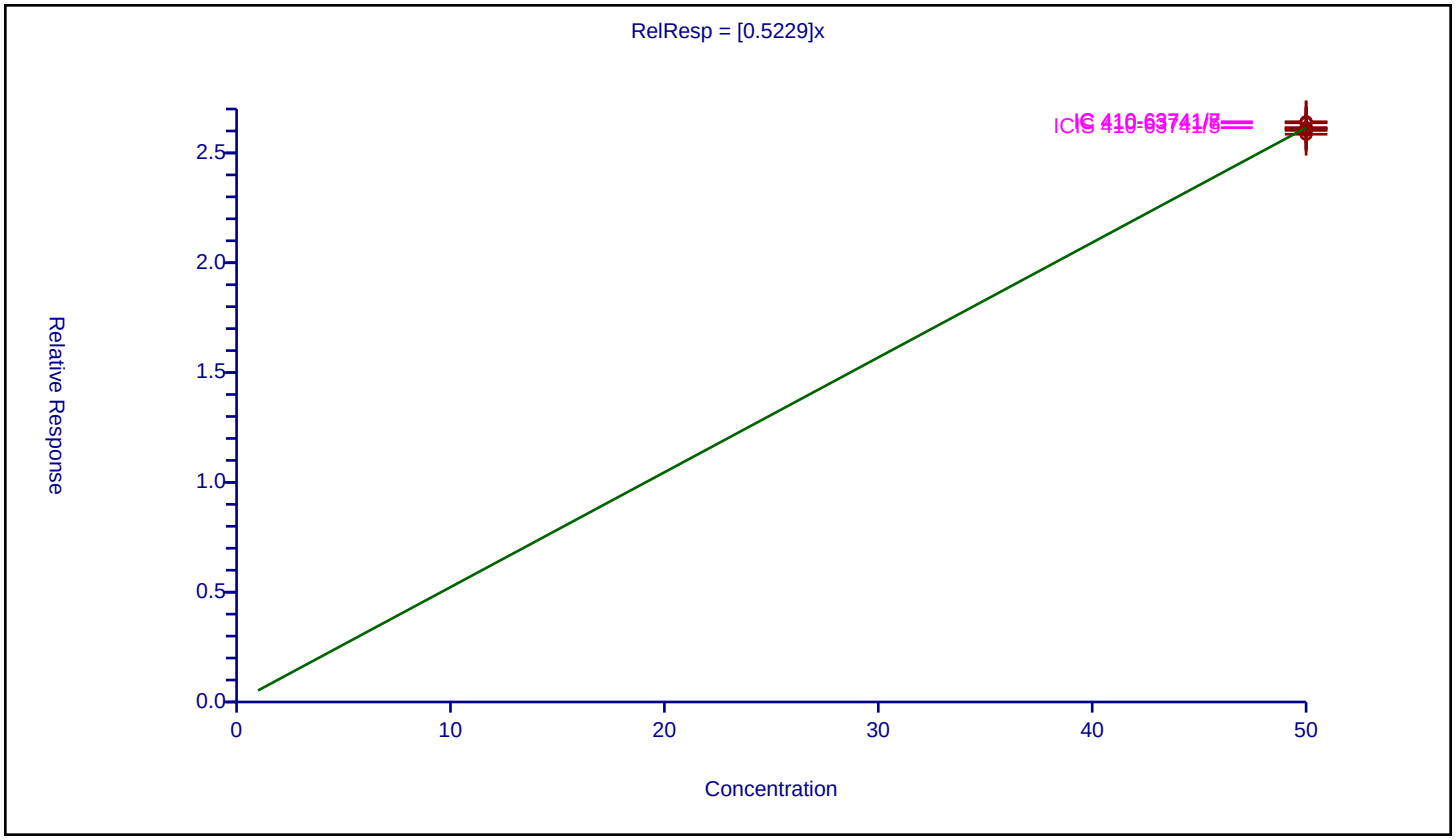
Curve Coefficients

Intercept:	0
Slope:	0.5229

Error Coefficients

Standard Error:	553000
Relative Standard Error:	0.8
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/3	50.0	26.025202	50.0	1008582.0	0.520504	Y
2	IC 410-63741/4	50.0	26.090893	50.0	978556.0	0.521818	Y
3	ICIS 410-63741/5	50.0	26.15205	50.0	987609.0	0.523041	Y
4	IC 410-63741/6	50.0	25.851033	50.0	968118.0	0.517021	Y
5	IC 410-63741/7	50.0	26.420721	50.0	958193.0	0.528414	Y
6	IC 410-63741/8	50.0	26.372421	50.0	961749.0	0.527448	Y
7	IC 410-63741/9	50.0	26.115718	50.0	987570.0	0.522314	Y



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

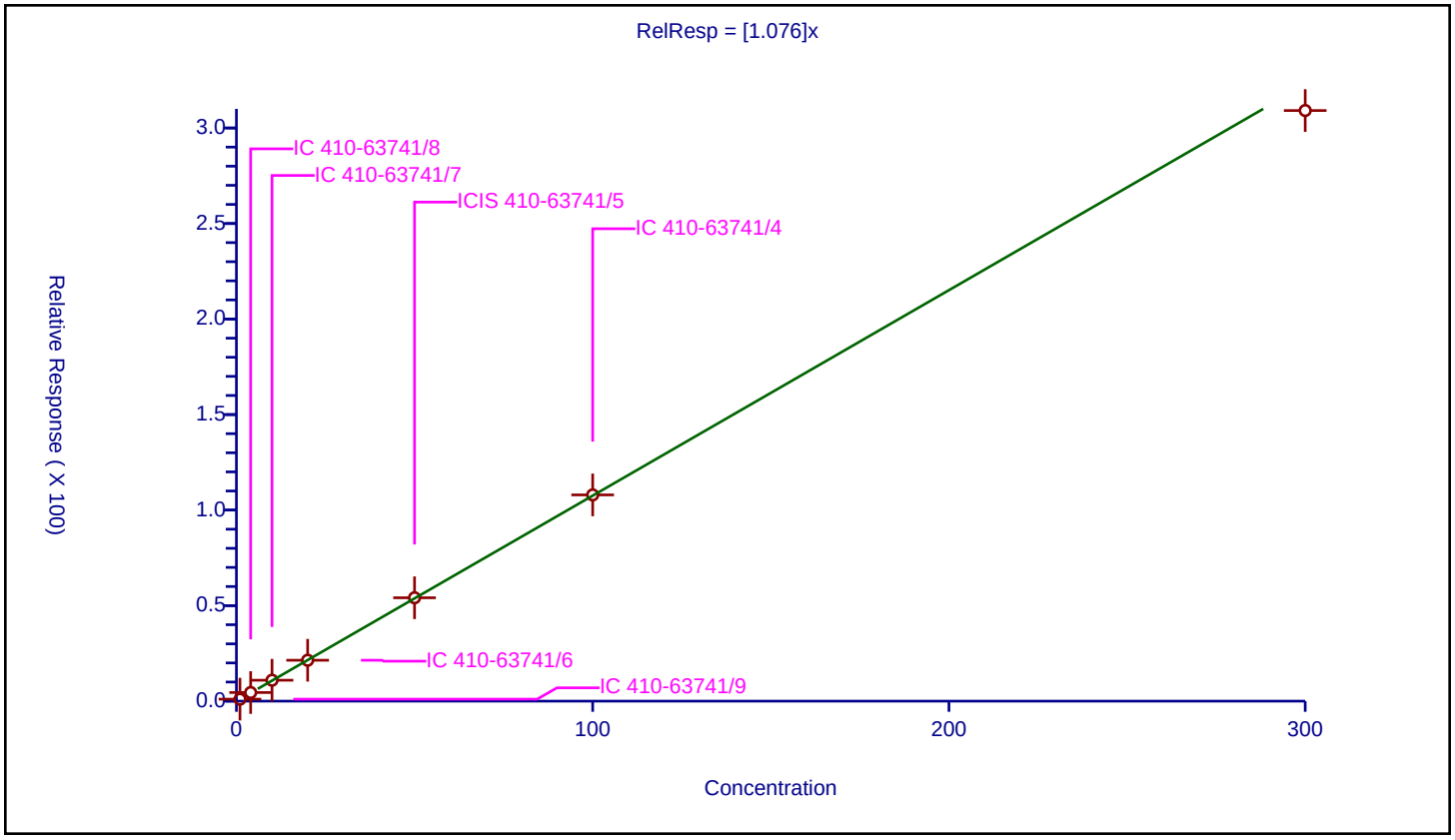
Curve Coefficients

Intercept:	0
Slope:	1.076

Error Coefficients

Standard Error:	1450000
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 410-63741/9	1.0	1.044822	50.0	516308.0	1.044822	Y
2	IC 410-63741/8	4.0	4.503343	50.0	501594.0	1.125836	Y
3	IC 410-63741/7	10.0	10.956003	50.0	500762.0	1.0956	Y
4	IC 410-63741/6	20.0	21.41255	50.0	508697.0	1.070628	Y
5	ICIS 410-63741/5	50.0	54.108367	50.0	515083.0	1.082167	Y
6	IC 410-63741/4	100.0	107.952533	50.0	516062.0	1.079525	Y
7	IC 410-63741/3	300.0	309.138439	50.0	535075.0	1.030461	Y



Calibration / Bromobenzene

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

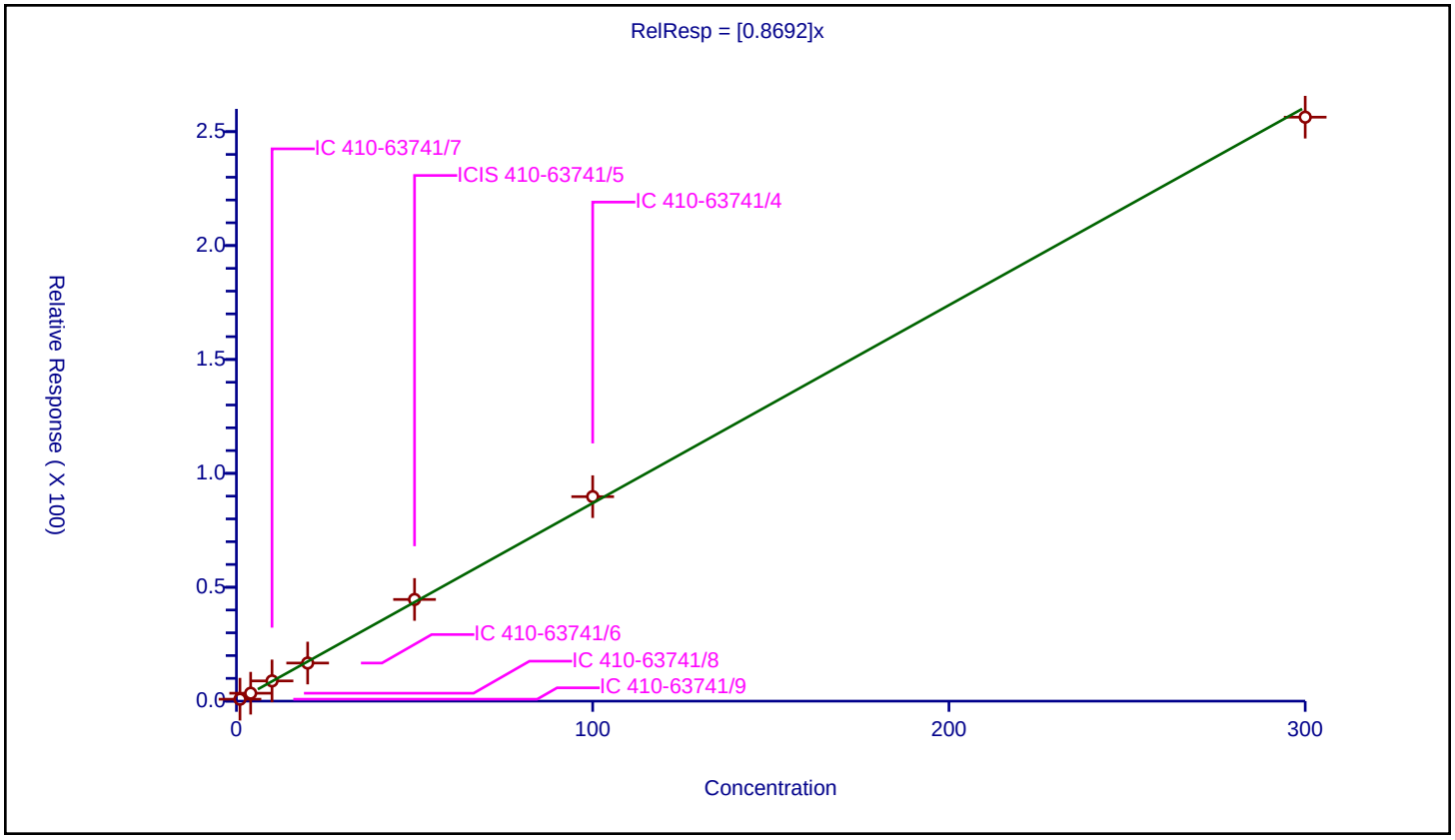
Curve Coefficients

Intercept:	0
Slope:	0.8692

Error Coefficients

Standard Error:	1200000
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 410-63741/9	1.0	0.845813	50.0	516308.0	0.845813	Y
2	IC 410-63741/8	4.0	3.475919	50.0	501594.0	0.86898	Y
3	IC 410-63741/7	10.0	8.881964	50.0	500762.0	0.888196	Y
4	IC 410-63741/6	20.0	16.724887	50.0	508697.0	0.836244	Y
5	ICIS 410-63741/5	50.0	44.638534	50.0	515083.0	0.892771	Y
6	IC 410-63741/4	100.0	89.764117	50.0	516062.0	0.897641	Y
7	IC 410-63741/3	300.0	256.36565	50.0	535075.0	0.854552	Y



Calibration / trans-1,4-Dichloro-2-butene

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

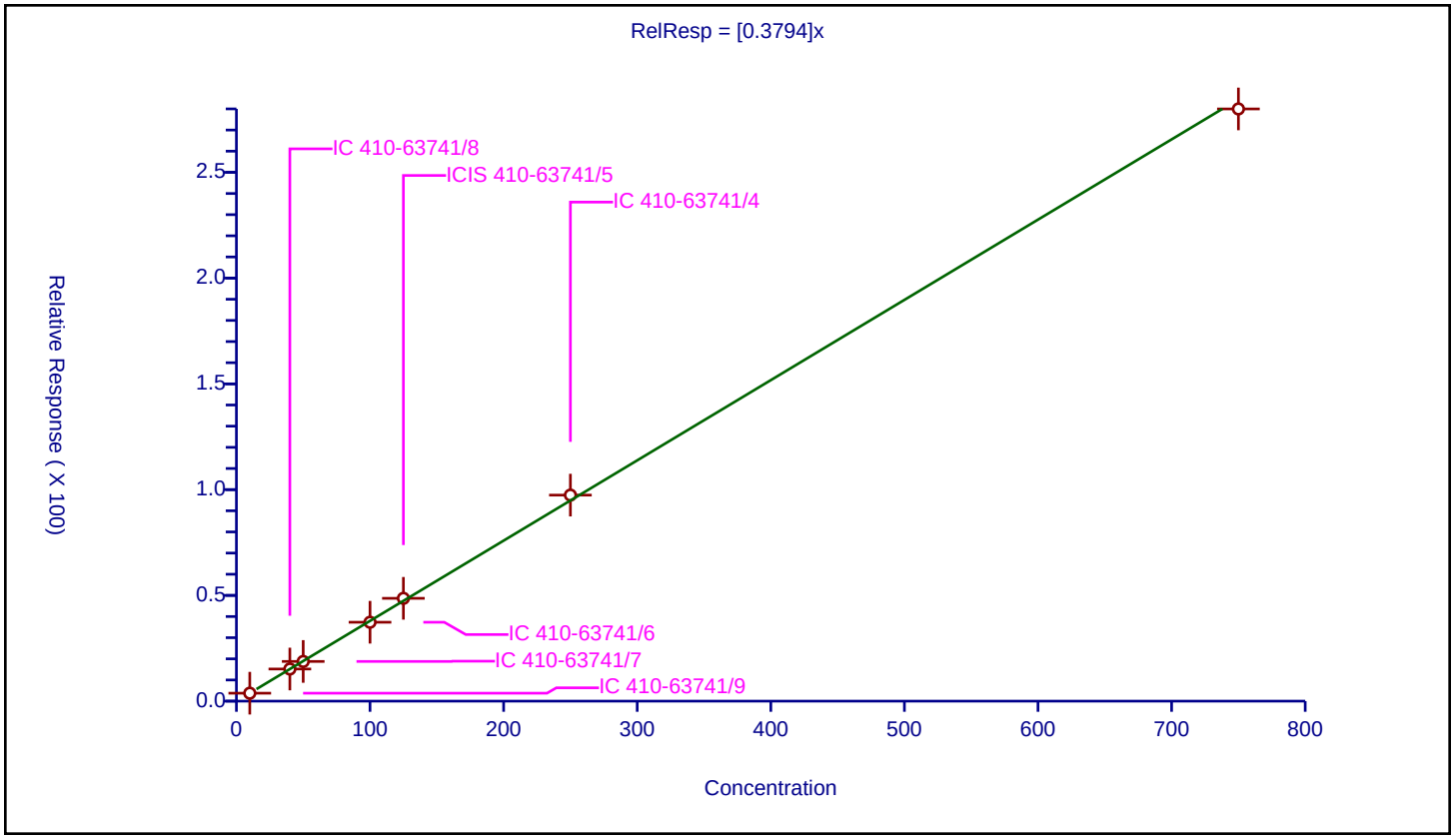
Curve Coefficients

Intercept:	0
Slope:	0.3794

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	10.0	3.760933	50.0	516308.0	0.376093	Y
2	IC 410-63741/8	40.0	15.186785	50.0	501594.0	0.37967	Y
3	IC 410-63741/7	50.0	18.762107	50.0	500762.0	0.375242	Y
4	IC 410-63741/6	100.0	37.298333	50.0	508697.0	0.372983	Y
5	ICIS 410-63741/5	125.0	48.609447	50.0	515083.0	0.388876	Y
6	IC 410-63741/4	250.0	97.408257	50.0	516062.0	0.389633	Y
7	IC 410-63741/3	750.0	279.977106	50.0	535075.0	0.373303	Y



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

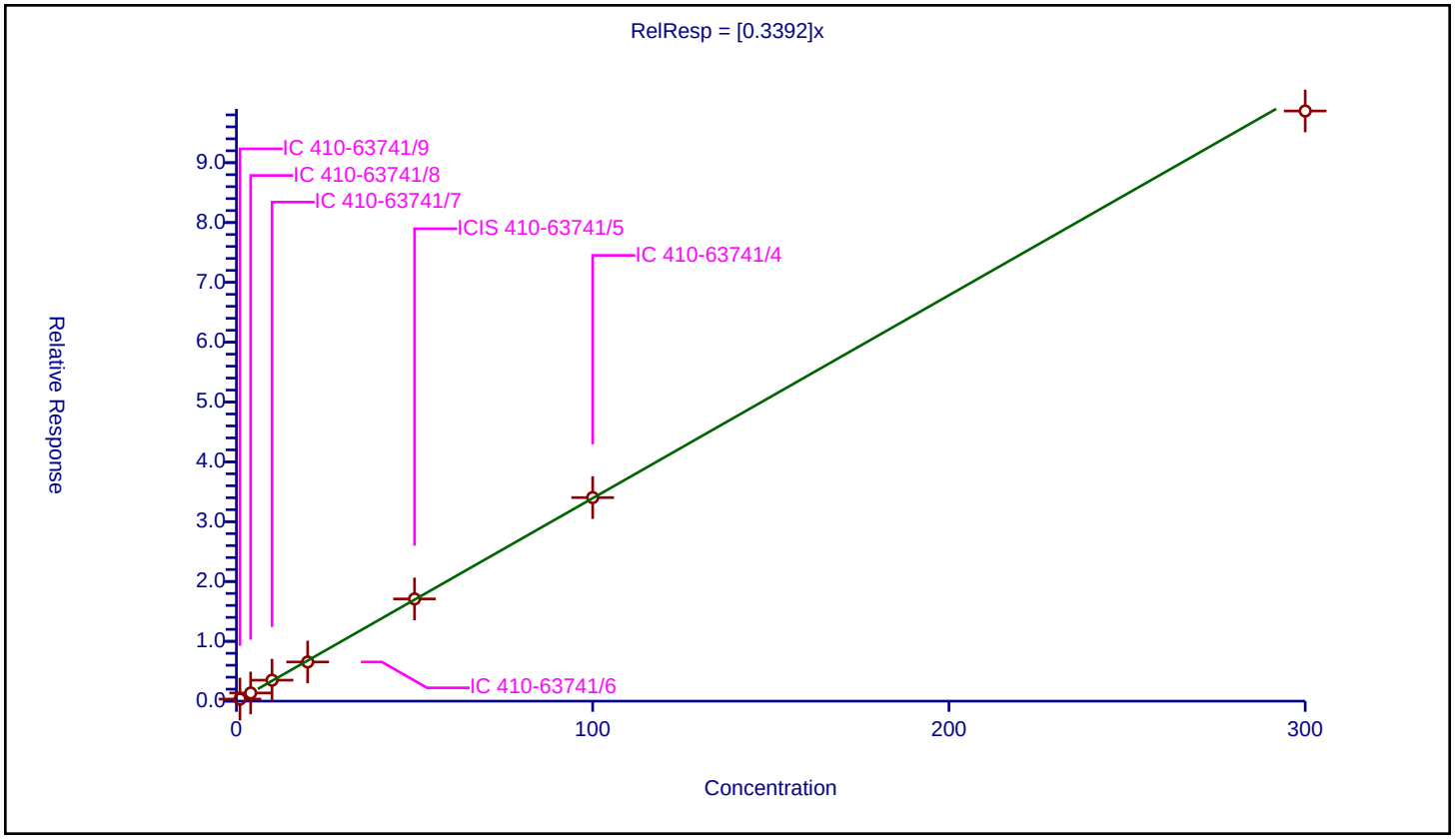
Curve Coefficients

Intercept:	0
Slope:	0.3392

Error Coefficients

Standard Error:	461000
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 410-63741/9	1.0	0.344562	50.0	516308.0	0.344562	Y
2	IC 410-63741/8	4.0	1.365945	50.0	501594.0	0.341486	Y
3	IC 410-63741/7	10.0	3.504459	50.0	500762.0	0.350446	Y
4	IC 410-63741/6	20.0	6.545448	50.0	508697.0	0.327272	Y
5	ICIS 410-63741/5	50.0	17.083363	50.0	515083.0	0.341667	Y
6	IC 410-63741/4	100.0	34.026725	50.0	516062.0	0.340267	Y
7	IC 410-63741/3	300.0	98.648974	50.0	535075.0	0.32883	Y



Calibration / N-Propylbenzene

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

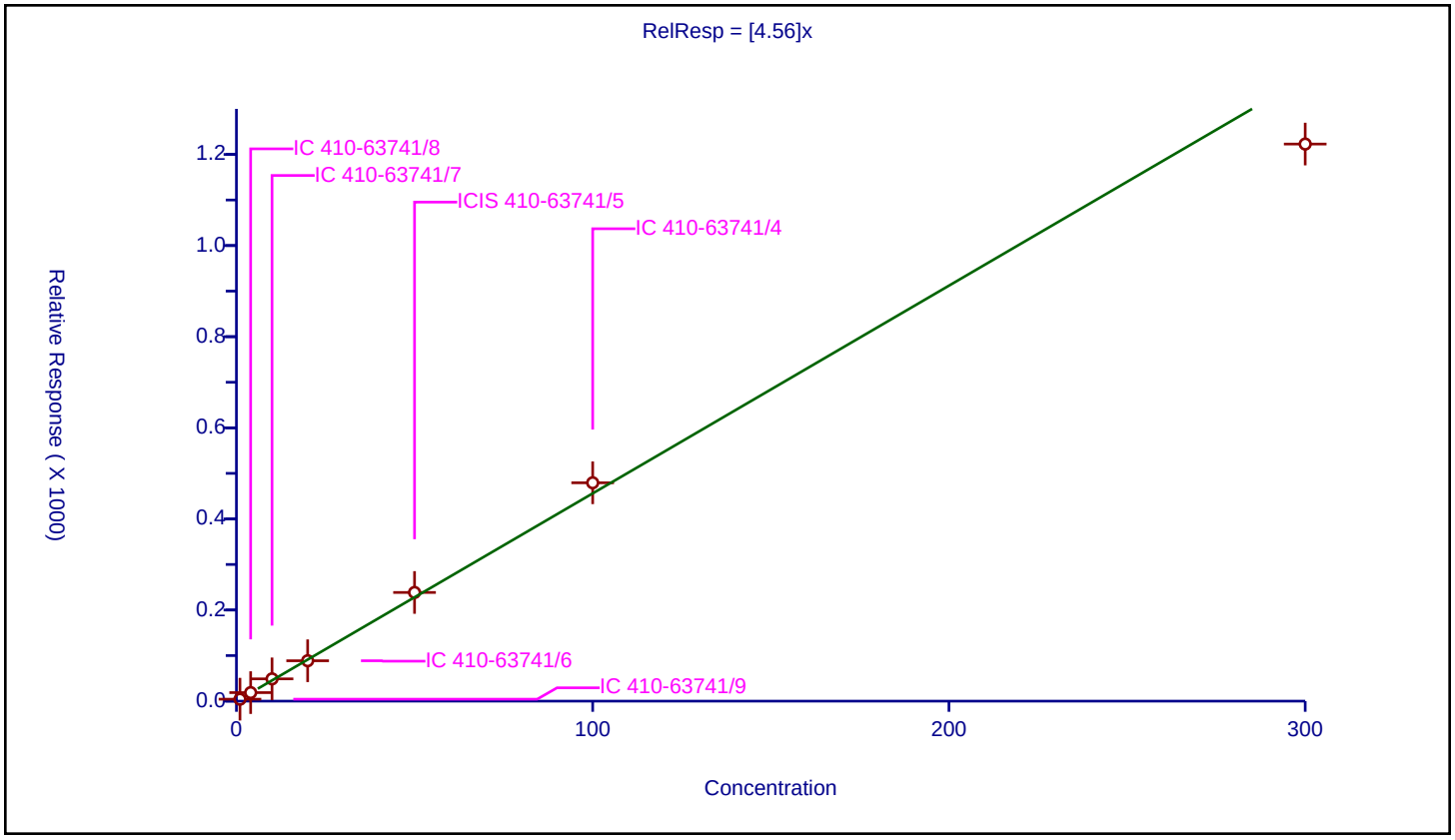
Curve Coefficients

Intercept:	0
Slope:	4.56

Error Coefficients

Standard Error:	5810000
Relative Standard Error:	6.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	4.278357	50.0	516308.0	4.278357	Y
2	IC 410-63741/8	4.0	18.712544	50.0	501594.0	4.678136	Y
3	IC 410-63741/7	10.0	48.894285	50.0	500762.0	4.889429	Y
4	IC 410-63741/6	20.0	88.669581	50.0	508697.0	4.433479	Y
5	ICIS 410-63741/5	50.0	238.535634	50.0	515083.0	4.770713	Y
6	IC 410-63741/4	100.0	479.306169	50.0	516062.0	4.793062	Y
7	IC 410-63741/3	300.0	1222.835023	50.0	535075.0	4.076117	Y



Calibration / 2-Chlorotoluene

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

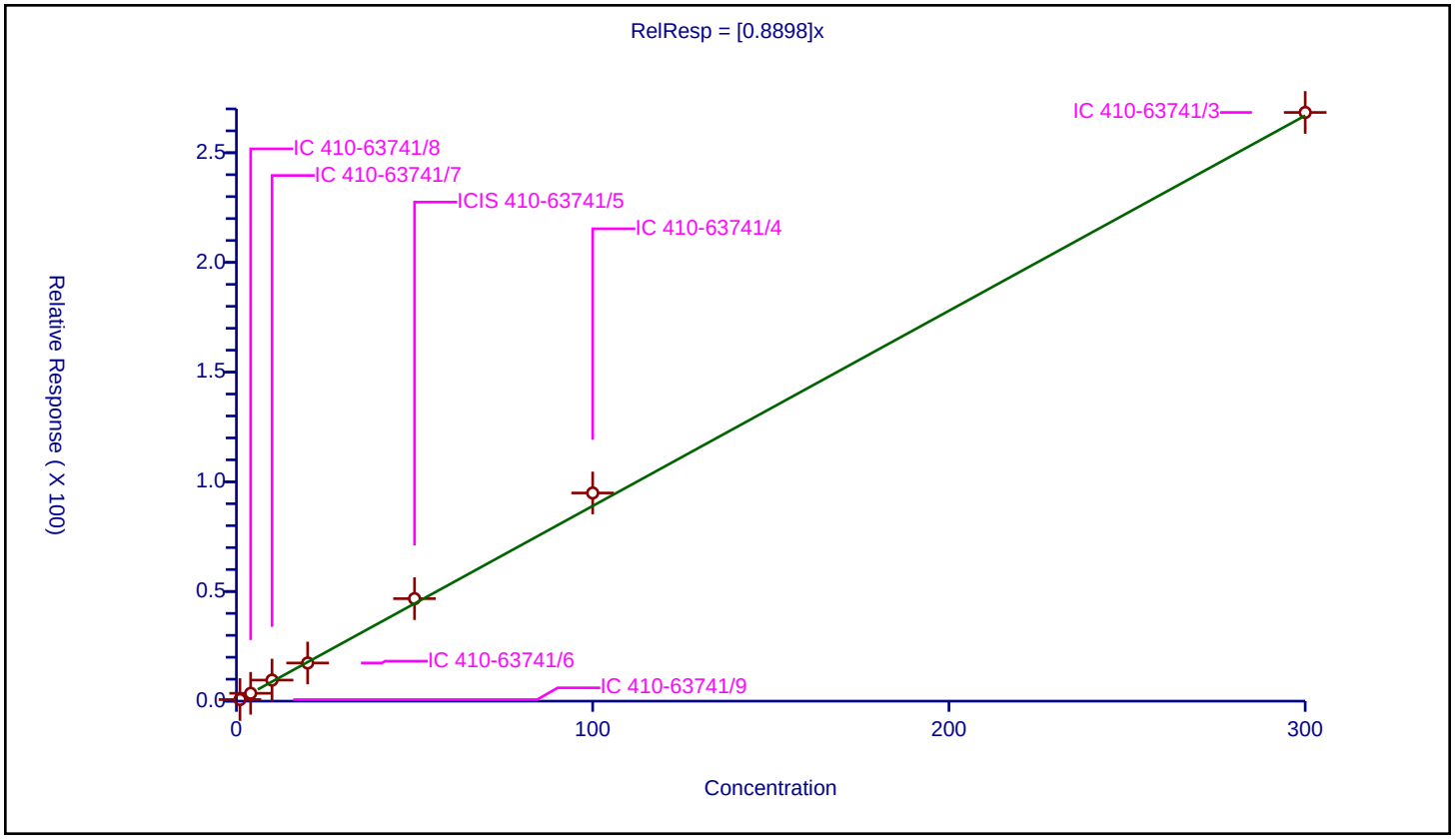
Curve Coefficients

Intercept:	0
Slope:	0.8898

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.727182	50.0	516308.0	0.727182	Y
2	IC 410-63741/8	4.0	3.573209	50.0	501594.0	0.893302	Y
3	IC 410-63741/7	10.0	9.602166	50.0	500762.0	0.960217	Y
4	IC 410-63741/6	20.0	17.3968	50.0	508697.0	0.86984	Y
5	ICIS 410-63741/5	50.0	46.734604	50.0	515083.0	0.934692	Y
6	IC 410-63741/4	100.0	94.898094	50.0	516062.0	0.948981	Y
7	IC 410-63741/3	300.0	268.375555	50.0	535075.0	0.894585	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

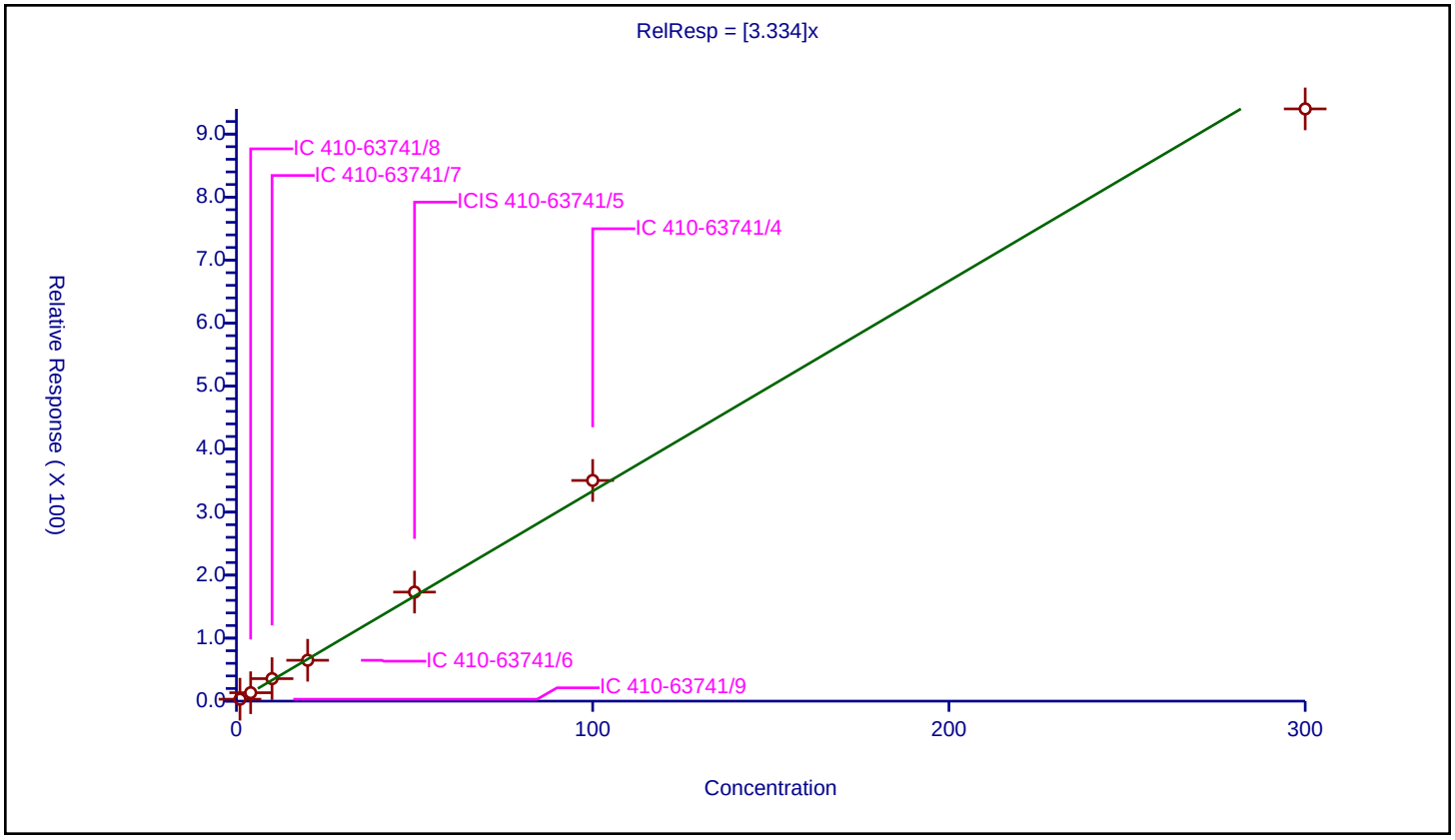
Curve Coefficients

Intercept:	0
Slope:	3.334

Error Coefficients

Standard Error:	4430000
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 410-63741/9	1.0	3.079848	50.0	516308.0	3.079848	Y
2	IC 410-63741/8	4.0	13.3941	50.0	501594.0	3.348525	Y
3	IC 410-63741/7	10.0	35.689609	50.0	500762.0	3.568961	Y
4	IC 410-63741/6	20.0	64.874572	50.0	508697.0	3.243729	Y
5	ICIS 410-63741/5	50.0	173.069389	50.0	515083.0	3.461388	Y
6	IC 410-63741/4	100.0	350.25588	50.0	516062.0	3.502559	Y
7	IC 410-63741/3	300.0	939.993739	50.0	535075.0	3.133312	Y



Calibration / 4-Chlorotoluene

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

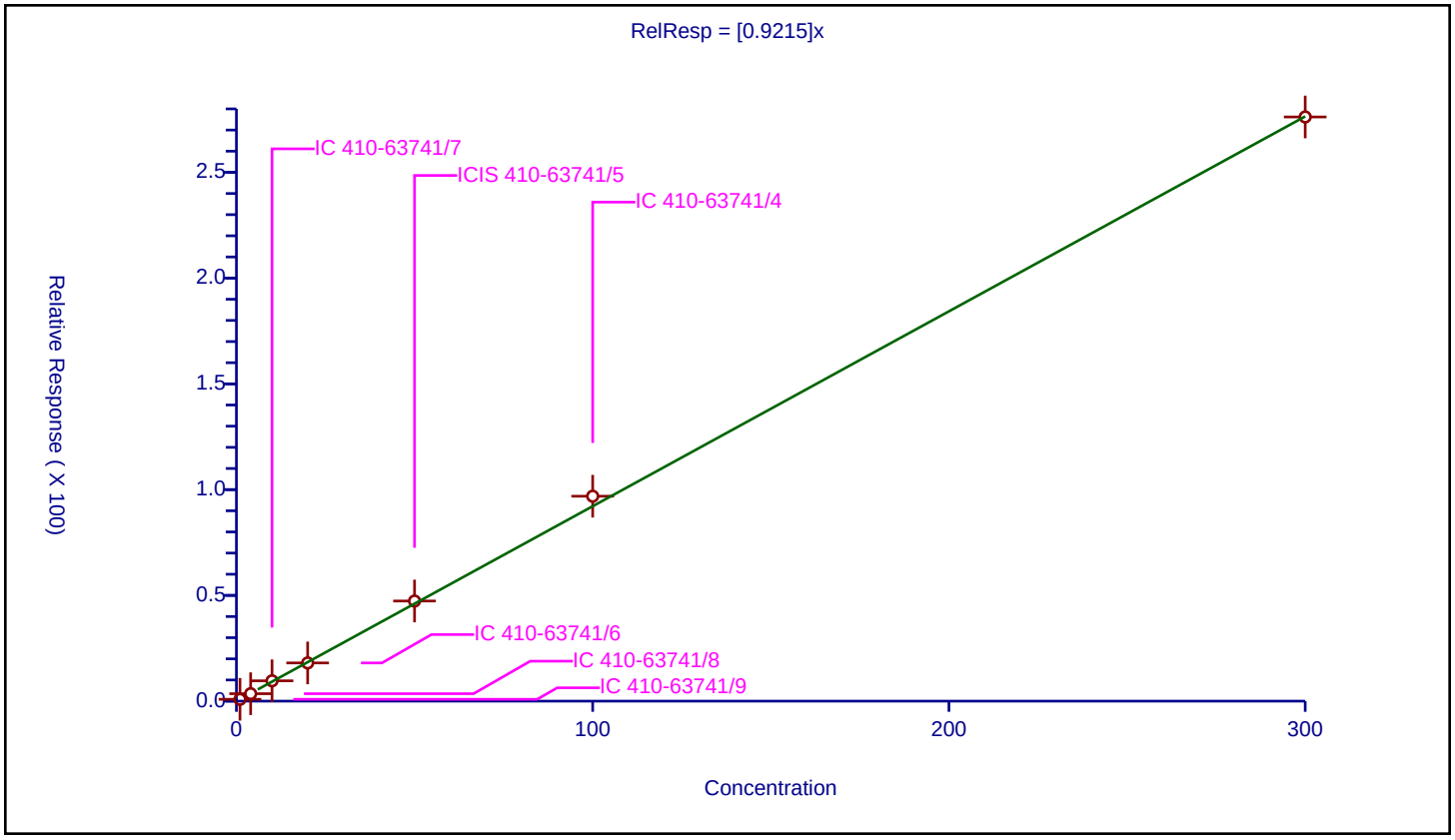
Curve Coefficients

Intercept:	0
Slope:	0.9215

Error Coefficients

Standard Error:	1290000
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 410-63741/9	1.0	0.868764	50.0	516308.0	0.868764	Y
2	IC 410-63741/8	4.0	3.524763	50.0	501594.0	0.881191	Y
3	IC 410-63741/7	10.0	9.609655	50.0	500762.0	0.960965	Y
4	IC 410-63741/6	20.0	18.061538	50.0	508697.0	0.903077	Y
5	ICIS 410-63741/5	50.0	47.335866	50.0	515083.0	0.946717	Y
6	IC 410-63741/4	100.0	96.886421	50.0	516062.0	0.968864	Y
7	IC 410-63741/3	300.0	276.188011	50.0	535075.0	0.920627	Y



Calibration / tert-Butylbenzene

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

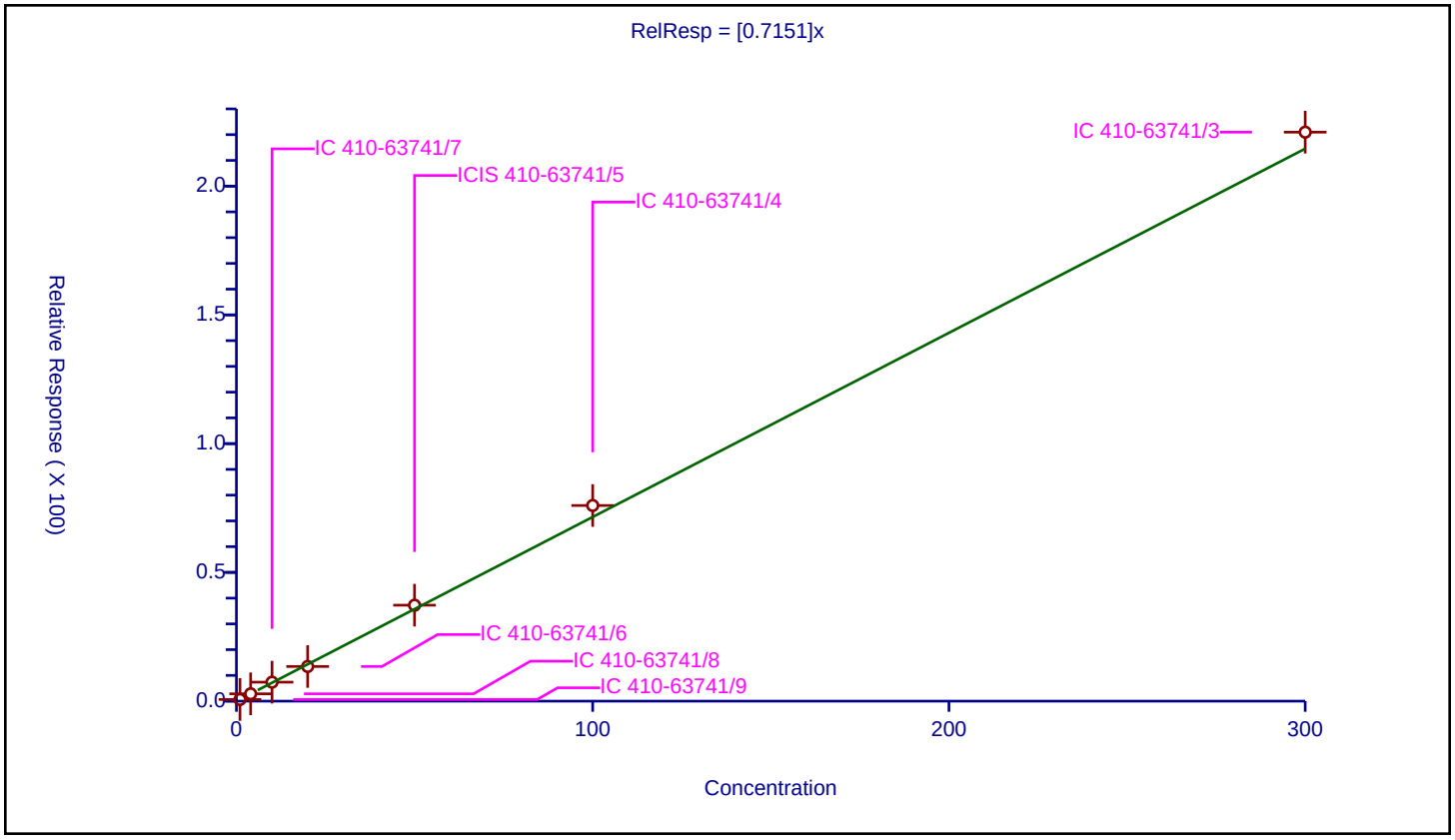
Curve Coefficients

Intercept:	0
Slope:	0.7151

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.641768	50.0	516308.0	0.641768	Y
2	IC 410-63741/8	4.0	2.850214	50.0	501594.0	0.712553	Y
3	IC 410-63741/7	10.0	7.366174	50.0	500762.0	0.736617	Y
4	IC 410-63741/6	20.0	13.466759	50.0	508697.0	0.673338	Y
5	ICIS 410-63741/5	50.0	37.259917	50.0	515083.0	0.745198	Y
6	IC 410-63741/4	100.0	75.979533	50.0	516062.0	0.759795	Y
7	IC 410-63741/3	300.0	220.964631	50.0	535075.0	0.736549	Y



Calibration / Pentachloroethane

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

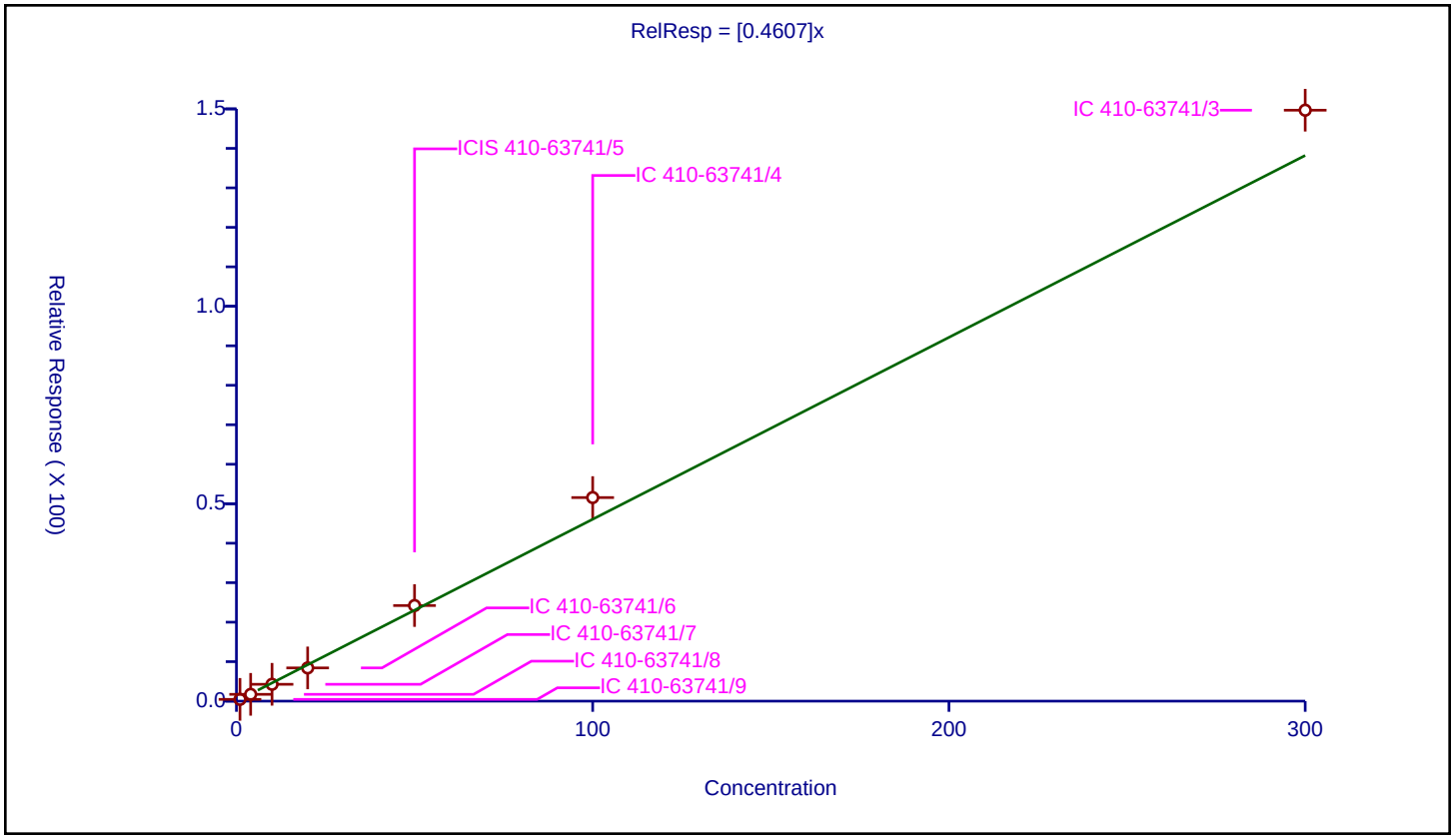
Curve Coefficients

Intercept:	0
Slope:	0.4607

Error Coefficients

Standard Error:	698000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.448569	50.0	516308.0	0.448569	Y
2	IC 410-63741/8	4.0	1.720415	50.0	501594.0	0.430104	Y
3	IC 410-63741/7	10.0	4.2654	50.0	500762.0	0.42654	Y
4	IC 410-63741/6	20.0	8.412473	50.0	508697.0	0.420624	Y
5	ICIS 410-63741/5	50.0	24.216874	50.0	515083.0	0.484337	Y
6	IC 410-63741/4	100.0	51.560471	50.0	516062.0	0.515605	Y
7	IC 410-63741/3	300.0	149.667056	50.0	535075.0	0.49889	Y



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

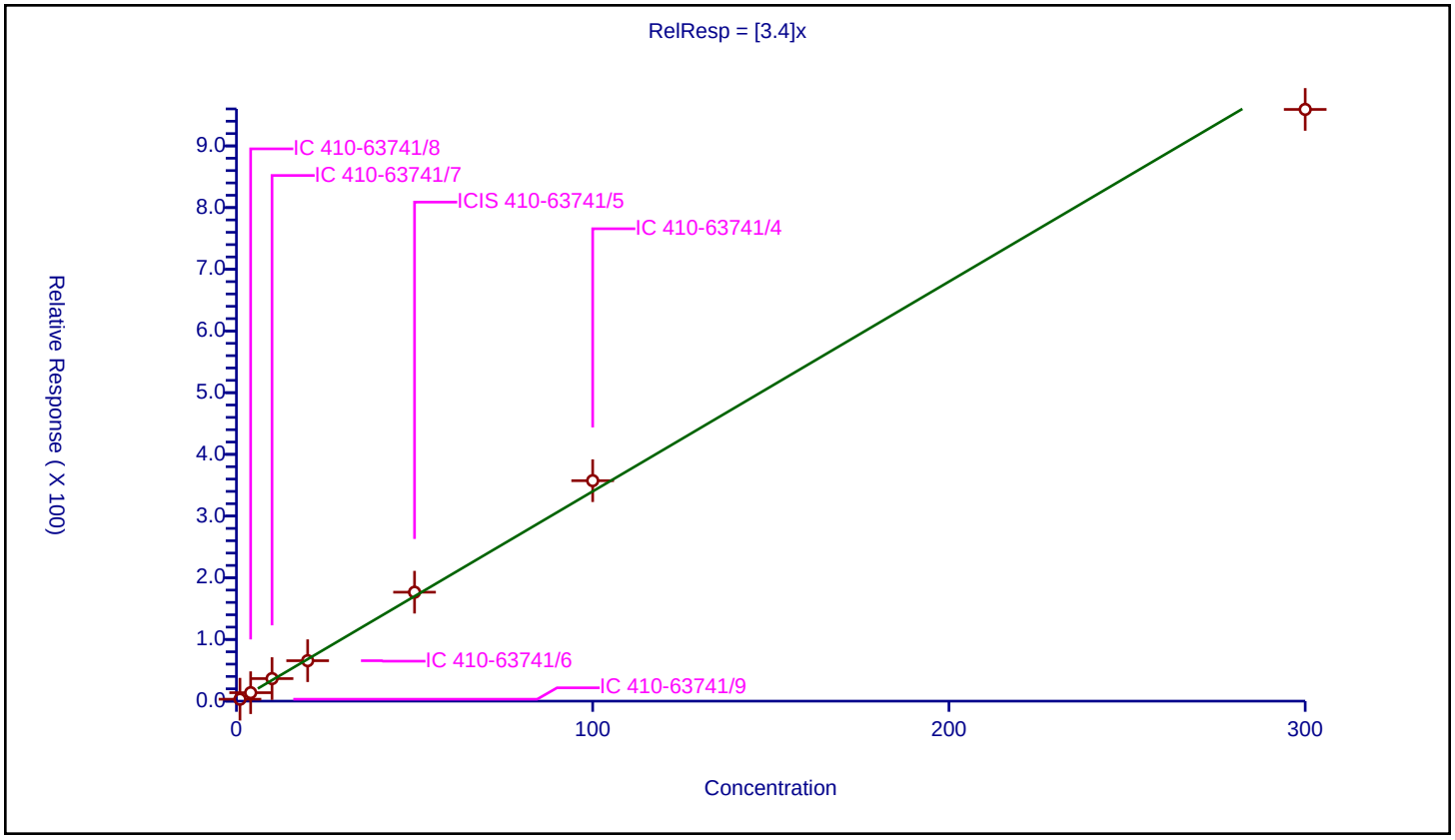
Curve Coefficients

Intercept:	0
Slope:	3.4

Error Coefficients

Standard Error:	4520000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	3.142117	50.0	516308.0	3.142117	Y
2	IC 410-63741/8	4.0	13.692149	50.0	501594.0	3.423037	Y
3	IC 410-63741/7	10.0	36.533723	50.0	500762.0	3.653372	Y
4	IC 410-63741/6	20.0	65.556805	50.0	508697.0	3.27784	Y
5	ICIS 410-63741/5	50.0	176.593772	50.0	515083.0	3.531875	Y
6	IC 410-63741/4	100.0	357.370335	50.0	516062.0	3.573703	Y
7	IC 410-63741/3	300.0	959.143391	50.0	535075.0	3.197145	Y



Calibration / sec-Butylbenzene

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

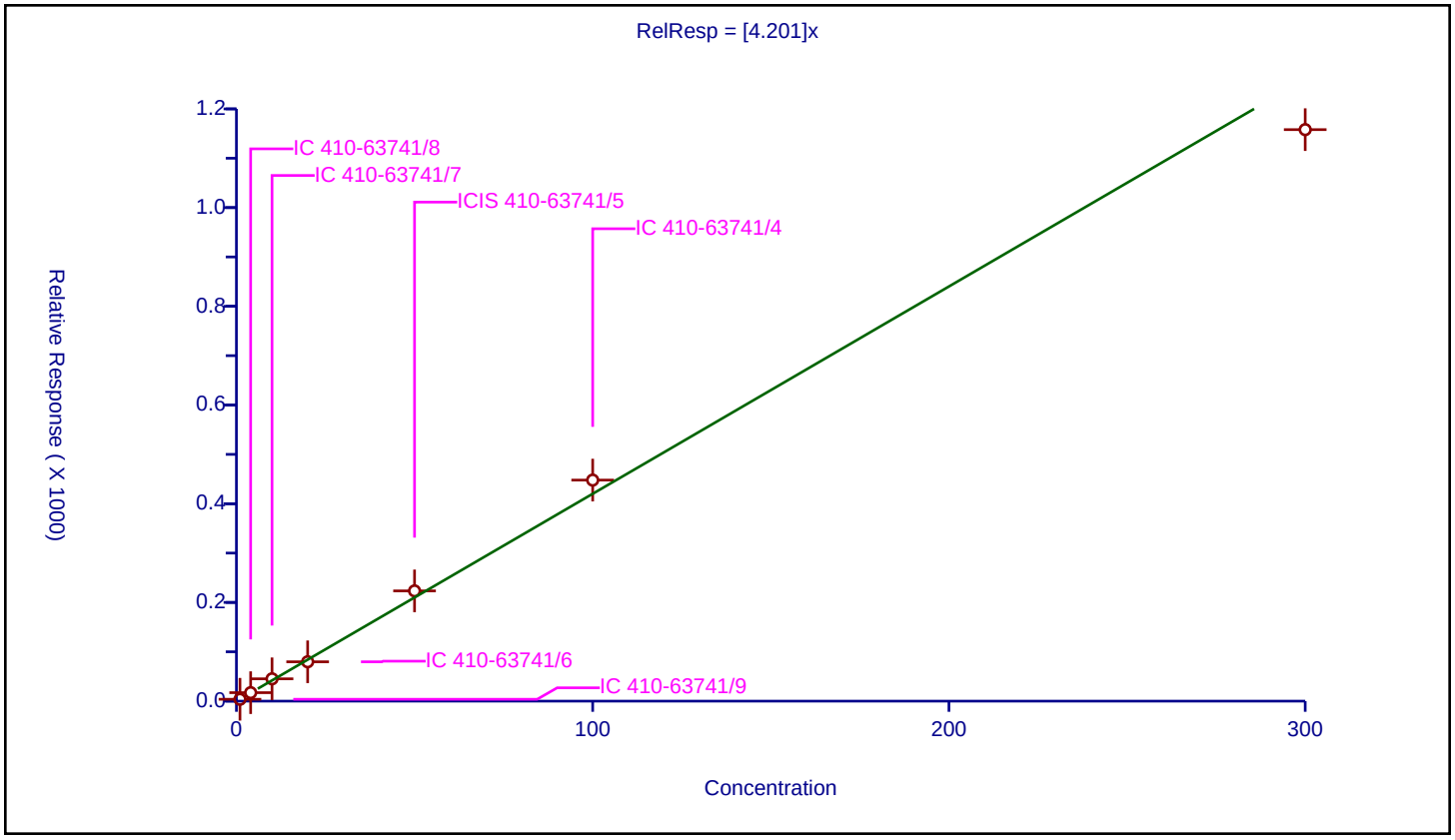
Curve Coefficients

Intercept:	0
Slope:	4.201

Error Coefficients

Standard Error:	5490000
Relative Standard Error:	7.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	3.799283	50.0	516308.0	3.799283	Y
2	IC 410-63741/8	4.0	17.16438	50.0	501594.0	4.291095	Y
3	IC 410-63741/7	10.0	45.225277	50.0	500762.0	4.522528	Y
4	IC 410-63741/6	20.0	79.747767	50.0	508697.0	3.987388	Y
5	ICIS 410-63741/5	50.0	223.373806	50.0	515083.0	4.467476	Y
6	IC 410-63741/4	100.0	447.874093	50.0	516062.0	4.478741	Y
7	IC 410-63741/3	300.0	1157.967388	50.0	535075.0	3.859891	Y



Calibration / 1,3-Dichlorobenzene

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

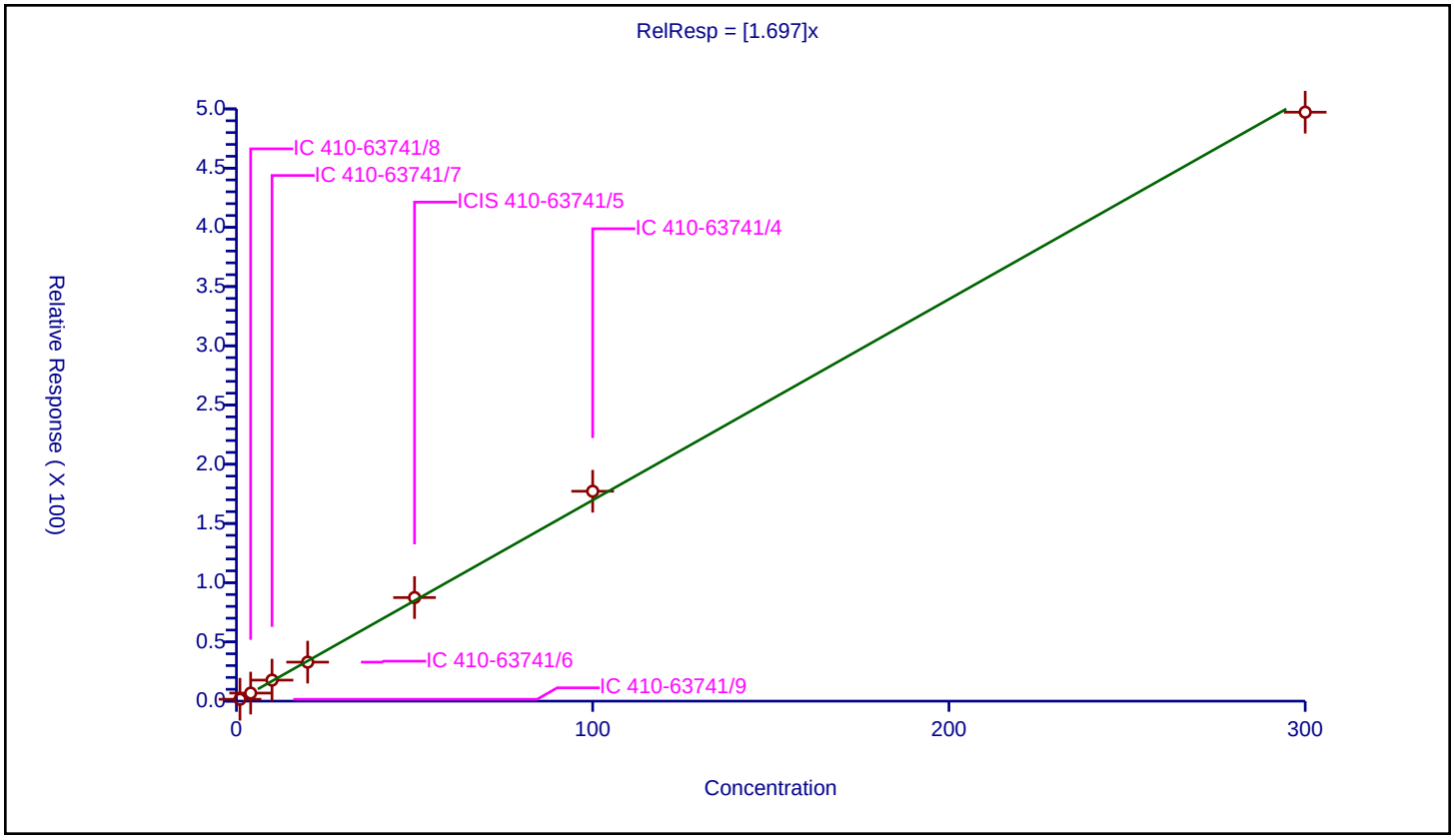
Curve Coefficients

Intercept:	0
Slope:	1.697

Error Coefficients

Standard Error:	2330000
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 410-63741/9	1.0	1.578031	50.0	516308.0	1.578031	Y
2	IC 410-63741/8	4.0	6.793044	50.0	501594.0	1.698261	Y
3	IC 410-63741/7	10.0	17.754043	50.0	500762.0	1.775404	Y
4	IC 410-63741/6	20.0	32.933259	50.0	508697.0	1.646663	Y
5	ICIS 410-63741/5	50.0	87.431637	50.0	515083.0	1.748633	Y
6	IC 410-63741/4	100.0	177.194794	50.0	516062.0	1.771948	Y
7	IC 410-63741/3	300.0	497.213288	50.0	535075.0	1.657378	Y



Calibration / 4-Isopropyltoluene

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

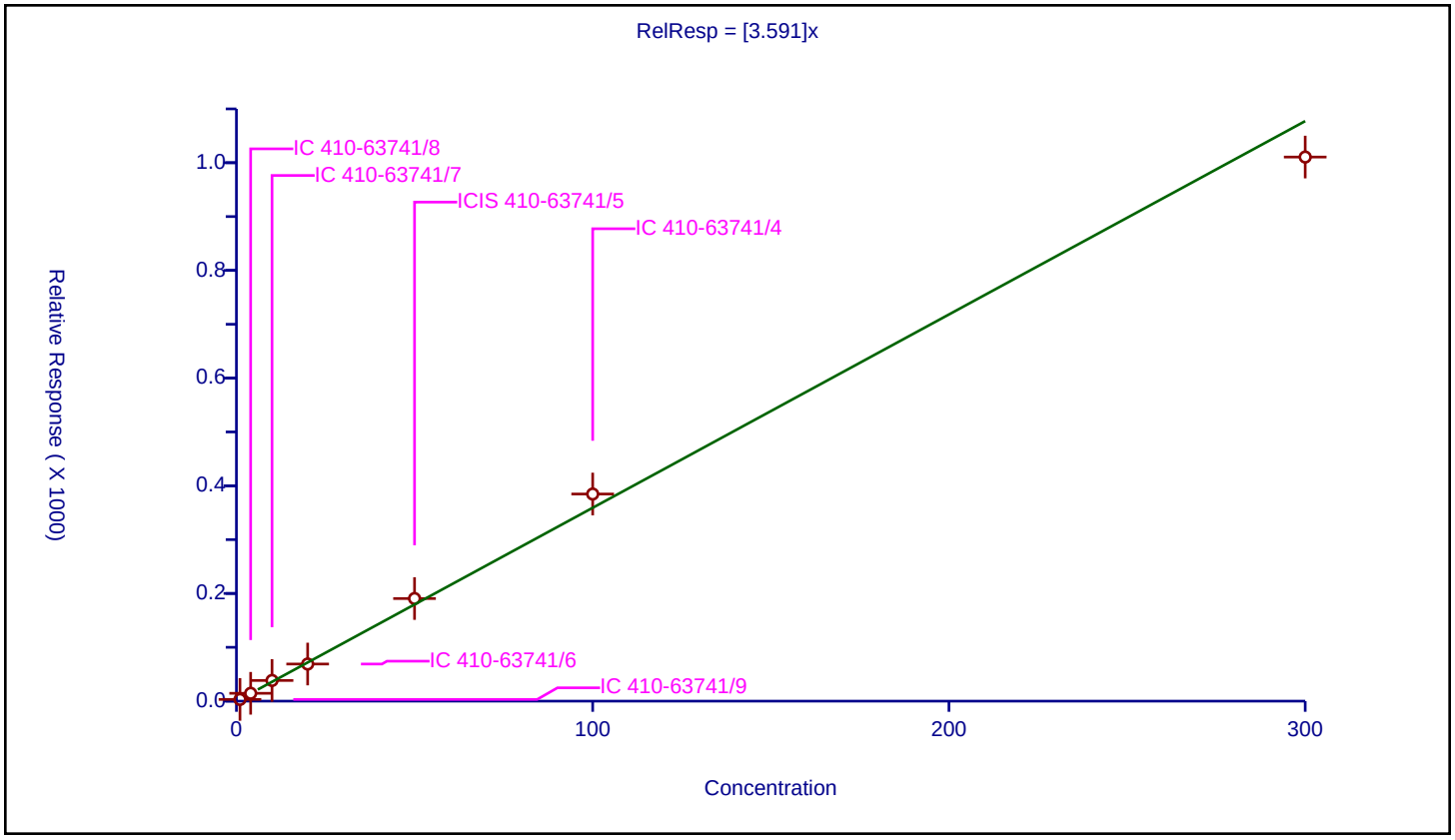
Curve Coefficients

Intercept:	0
Slope:	3.591

Error Coefficients

Standard Error:	4780000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	3.182693	50.0	516308.0	3.182693	Y
2	IC 410-63741/8	4.0	14.560581	50.0	501594.0	3.640145	Y
3	IC 410-63741/7	10.0	38.390992	50.0	500762.0	3.839099	Y
4	IC 410-63741/6	20.0	68.955193	50.0	508697.0	3.44776	Y
5	ICIS 410-63741/5	50.0	190.587148	50.0	515083.0	3.811743	Y
6	IC 410-63741/4	100.0	384.668896	50.0	516062.0	3.846689	Y
7	IC 410-63741/3	300.0	1010.53899	50.0	535075.0	3.368463	Y



Calibration / 1,4-Dichlorobenzene

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

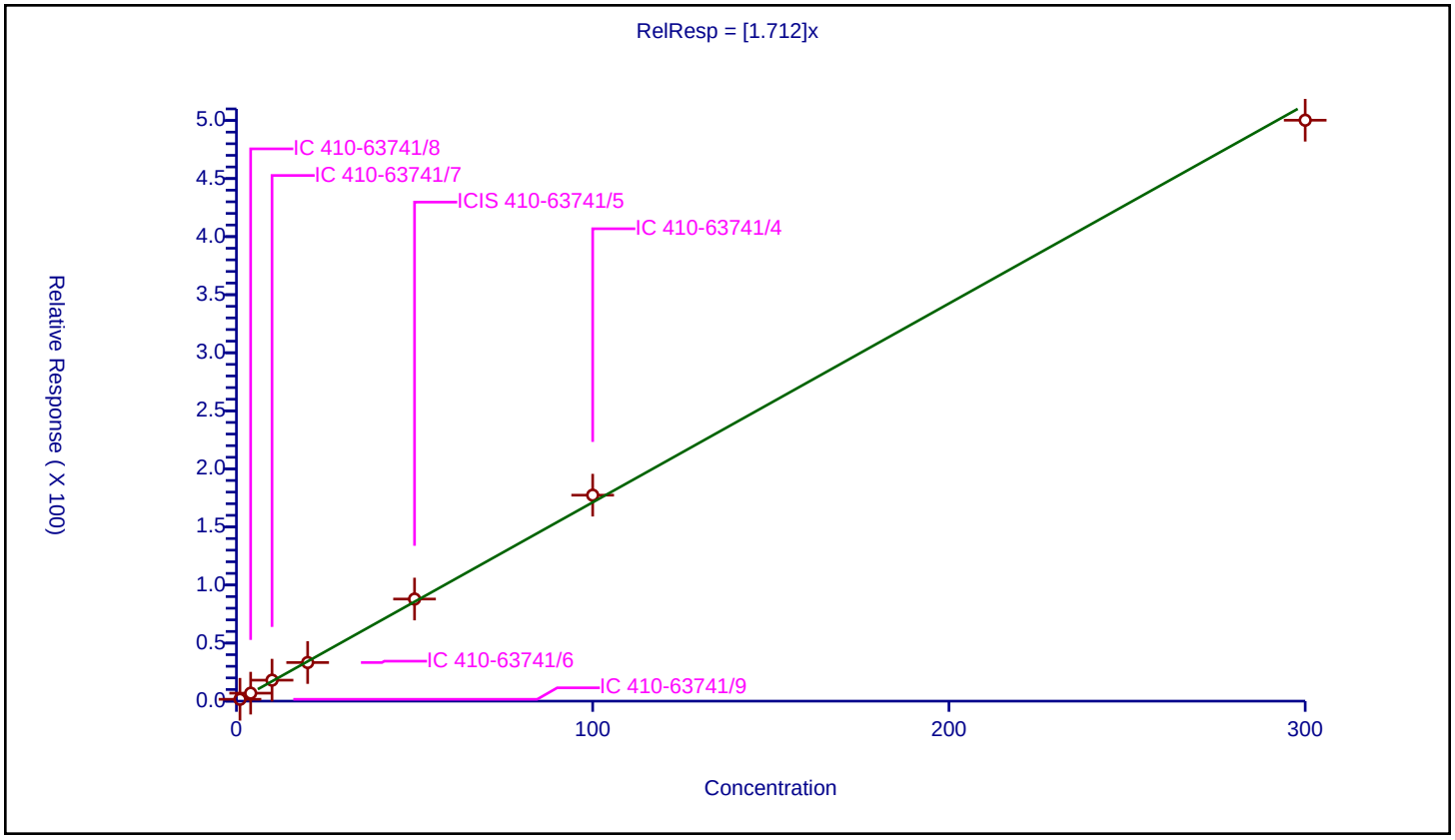
Curve Coefficients

Intercept:	0
Slope:	1.712

Error Coefficients

Standard Error:	2340000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	1.59982	50.0	516308.0	1.59982	Y
2	IC 410-63741/8	4.0	6.863519	50.0	501594.0	1.71588	Y
3	IC 410-63741/7	10.0	18.068464	50.0	500762.0	1.806846	Y
4	IC 410-63741/6	20.0	33.238156	50.0	508697.0	1.661908	Y
5	ICIS 410-63741/5	50.0	87.912142	50.0	515083.0	1.758243	Y
6	IC 410-63741/4	100.0	177.379559	50.0	516062.0	1.773796	Y
7	IC 410-63741/3	300.0	500.262206	50.0	535075.0	1.667541	Y



Calibration / 1,2,3-Trimethylbenzene

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

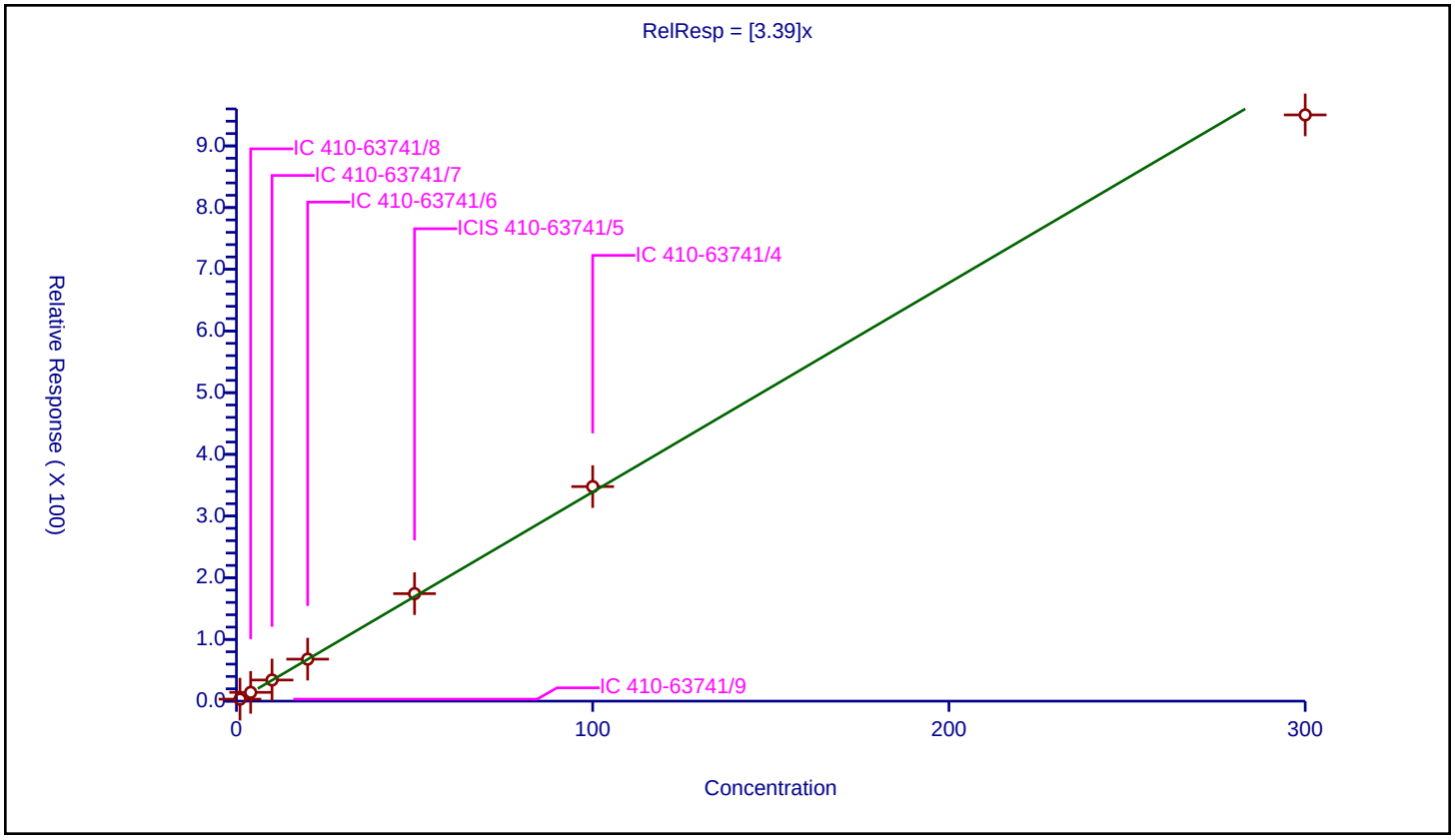
Curve Coefficients

Intercept:	0
Slope:	3.39

Error Coefficients

Standard Error:	4470000
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 410-63741/9	1.0	3.219396	50.0	516308.0	3.219396	Y
2	IC 410-63741/8	4.0	14.214983	50.0	501594.0	3.553746	Y
3	IC 410-63741/7	10.0	34.241915	50.0	500762.0	3.424192	Y
4	IC 410-63741/6	20.0	68.073038	50.0	508697.0	3.403652	Y
5	ICIS 410-63741/5	50.0	174.213962	50.0	515083.0	3.484279	Y
6	IC 410-63741/4	100.0	347.788347	50.0	516062.0	3.477883	Y
7	IC 410-63741/3	300.0	950.255291	50.0	535075.0	3.167518	Y



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

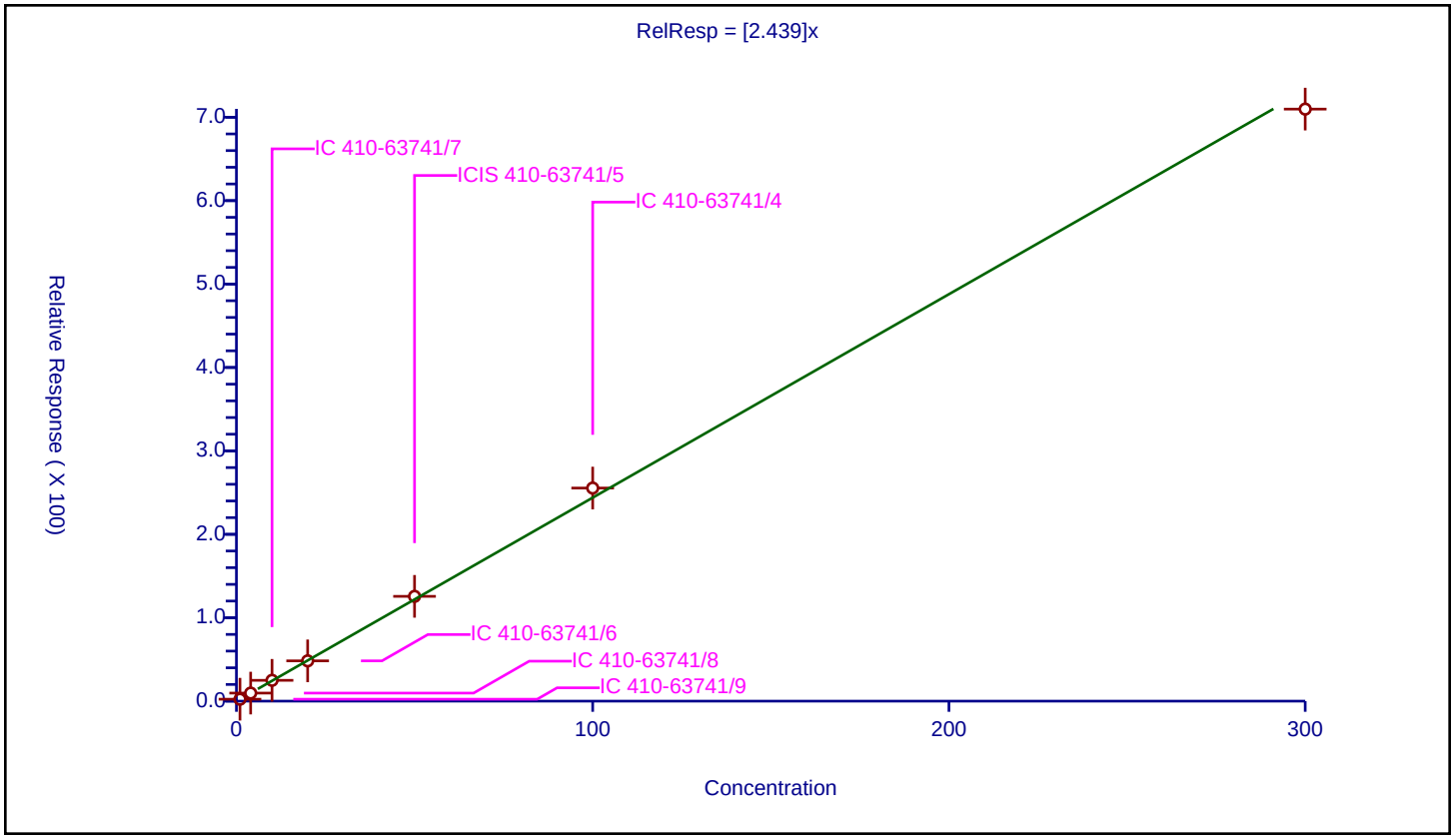
Curve Coefficients

Intercept:	0
Slope:	2.439

Error Coefficients

Standard Error:	3330000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	2.313638	50.0	516308.0	2.313638	Y
2	IC 410-63741/8	4.0	9.669773	50.0	501594.0	2.417443	Y
3	IC 410-63741/7	10.0	24.962857	50.0	500762.0	2.496286	Y
4	IC 410-63741/6	20.0	48.291616	50.0	508697.0	2.414581	Y
5	ICIS 410-63741/5	50.0	125.624123	50.0	515083.0	2.512482	Y
6	IC 410-63741/4	100.0	255.452543	50.0	516062.0	2.554525	Y
7	IC 410-63741/3	300.0	709.743587	50.0	535075.0	2.365812	Y



Calibration / 1,3-Diethylbenzene

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

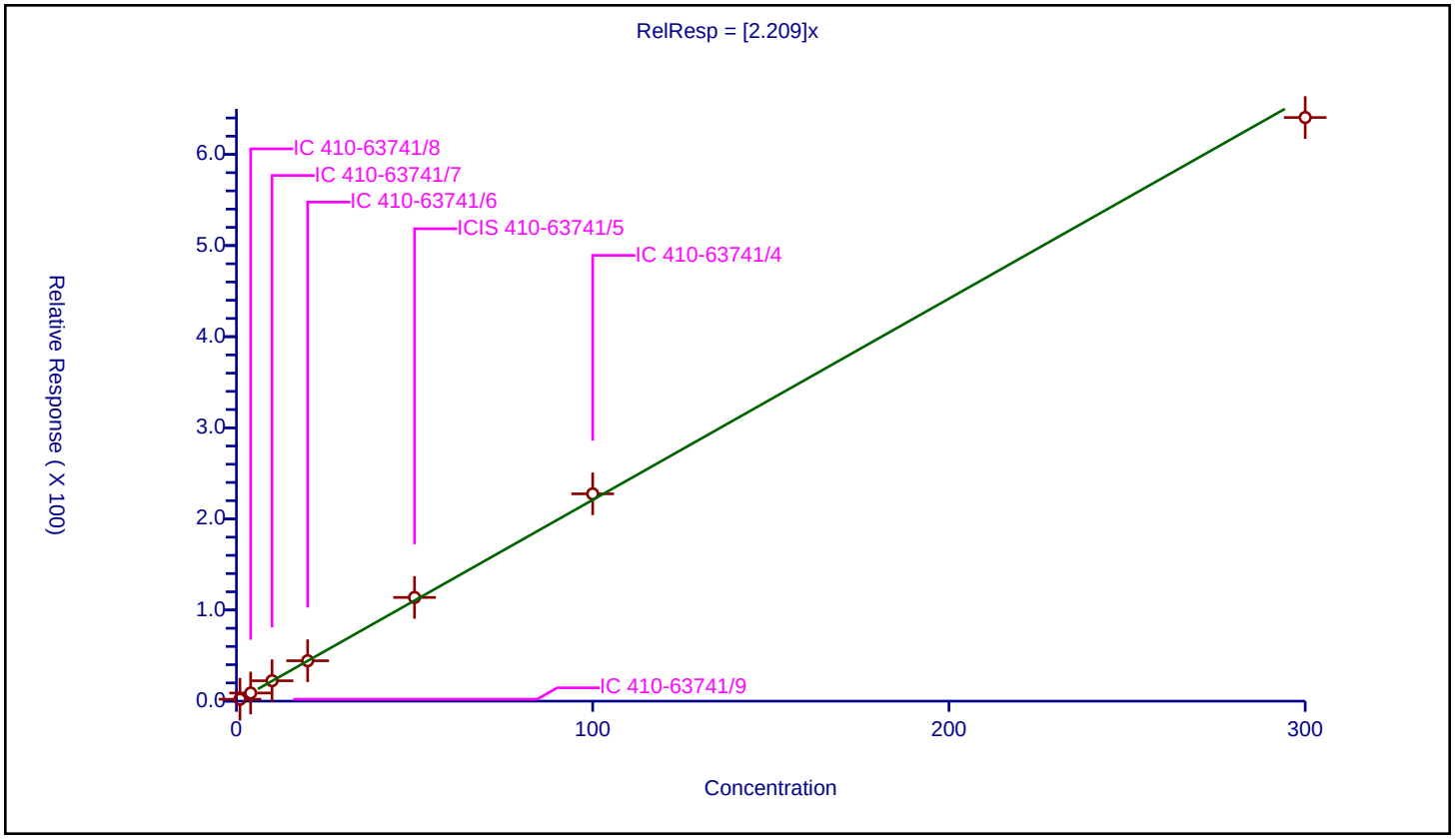
Curve Coefficients

Intercept:	0
Slope:	2.209

Error Coefficients

Standard Error:	3000000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	2.084124	50.0	516308.0	2.084124	Y
2	IC 410-63741/8	4.0	8.94279	50.0	501594.0	2.235698	Y
3	IC 410-63741/7	10.0	22.378096	50.0	500762.0	2.23781	Y
4	IC 410-63741/6	20.0	44.338771	50.0	508697.0	2.216939	Y
5	ICIS 410-63741/5	50.0	113.809716	50.0	515083.0	2.276194	Y
6	IC 410-63741/4	100.0	227.522371	50.0	516062.0	2.275224	Y
7	IC 410-63741/3	300.0	640.518339	50.0	535075.0	2.135061	Y



Calibration / p-Diethylbenzene

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

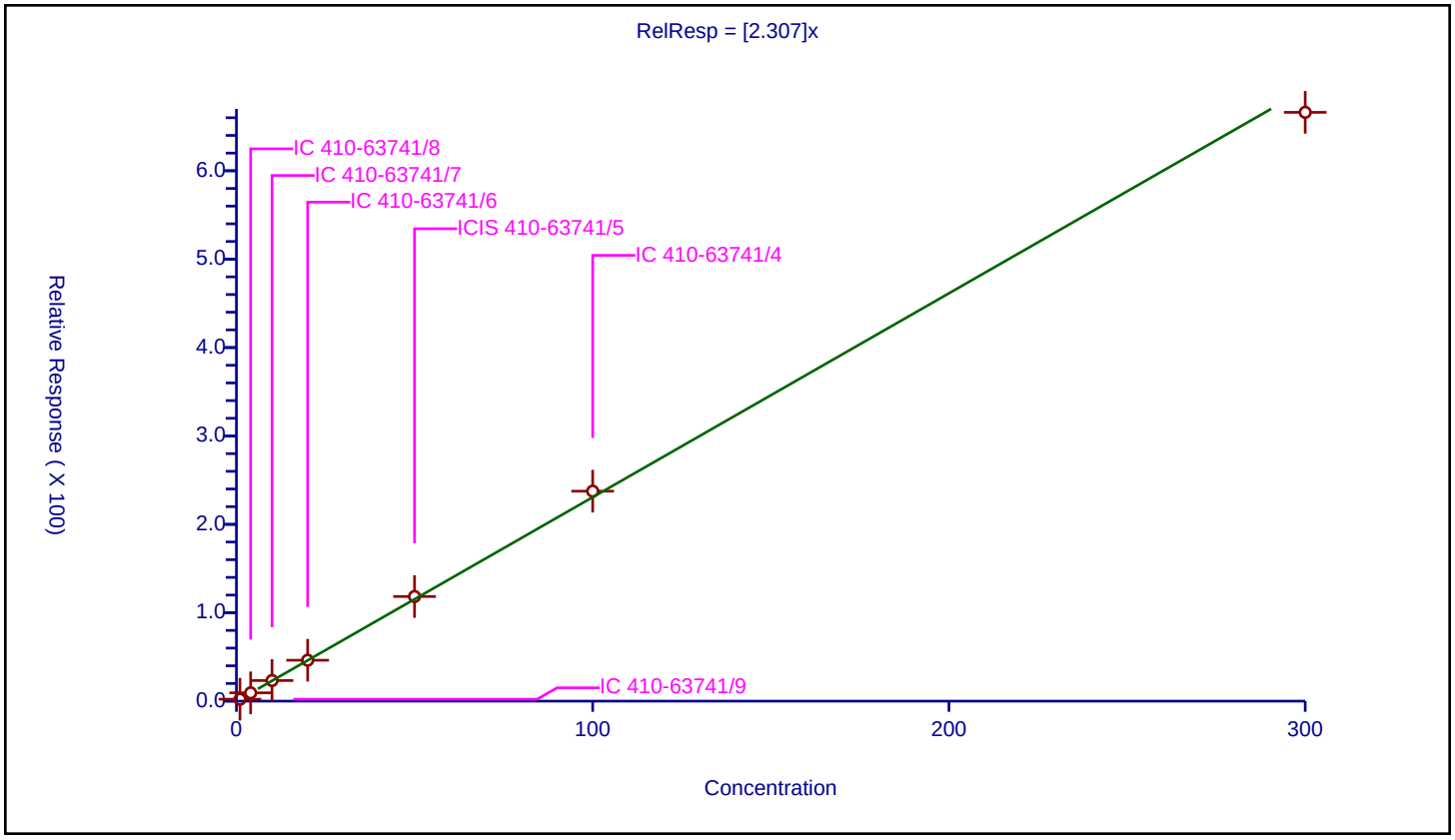
Curve Coefficients

Intercept:	0
Slope:	2.307

Error Coefficients

Standard Error:	3120000
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 410-63741/9	1.0	2.193942	50.0	516308.0	2.193942	Y
2	IC 410-63741/8	4.0	9.386675	50.0	501594.0	2.346669	Y
3	IC 410-63741/7	10.0	23.309976	50.0	500762.0	2.330998	Y
4	IC 410-63741/6	20.0	46.270963	50.0	508697.0	2.313548	Y
5	ICIS 410-63741/5	50.0	118.365681	50.0	515083.0	2.367314	Y
6	IC 410-63741/4	100.0	237.529502	50.0	516062.0	2.375295	Y
7	IC 410-63741/3	300.0	666.099612	50.0	535075.0	2.220332	Y



Calibration / n-Butylbenzene

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

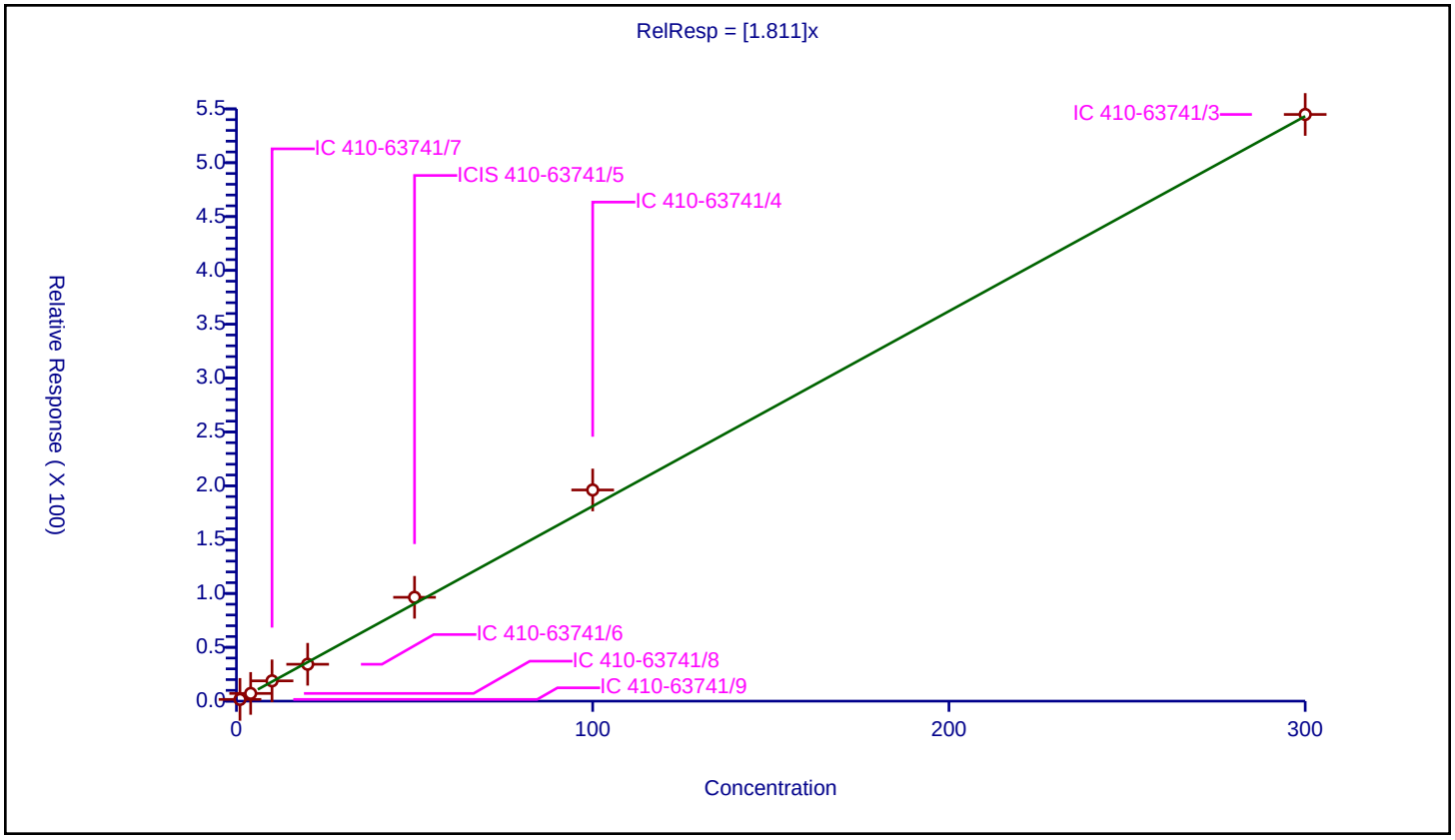
Curve Coefficients

Intercept:	0
Slope:	1.811

Error Coefficients

Standard Error:	2560000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	1.583745	50.0	516308.0	1.583745	Y
2	IC 410-63741/8	4.0	7.160672	50.0	501594.0	1.790168	Y
3	IC 410-63741/7	10.0	18.823014	50.0	500762.0	1.882301	Y
4	IC 410-63741/6	20.0	34.250546	50.0	508697.0	1.712527	Y
5	ICIS 410-63741/5	50.0	96.430381	50.0	515083.0	1.928608	Y
6	IC 410-63741/4	100.0	196.094268	50.0	516062.0	1.960943	Y
7	IC 410-63741/3	300.0	544.830164	50.0	535075.0	1.816101	Y



Calibration / 1,2-Dichlorobenzene

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

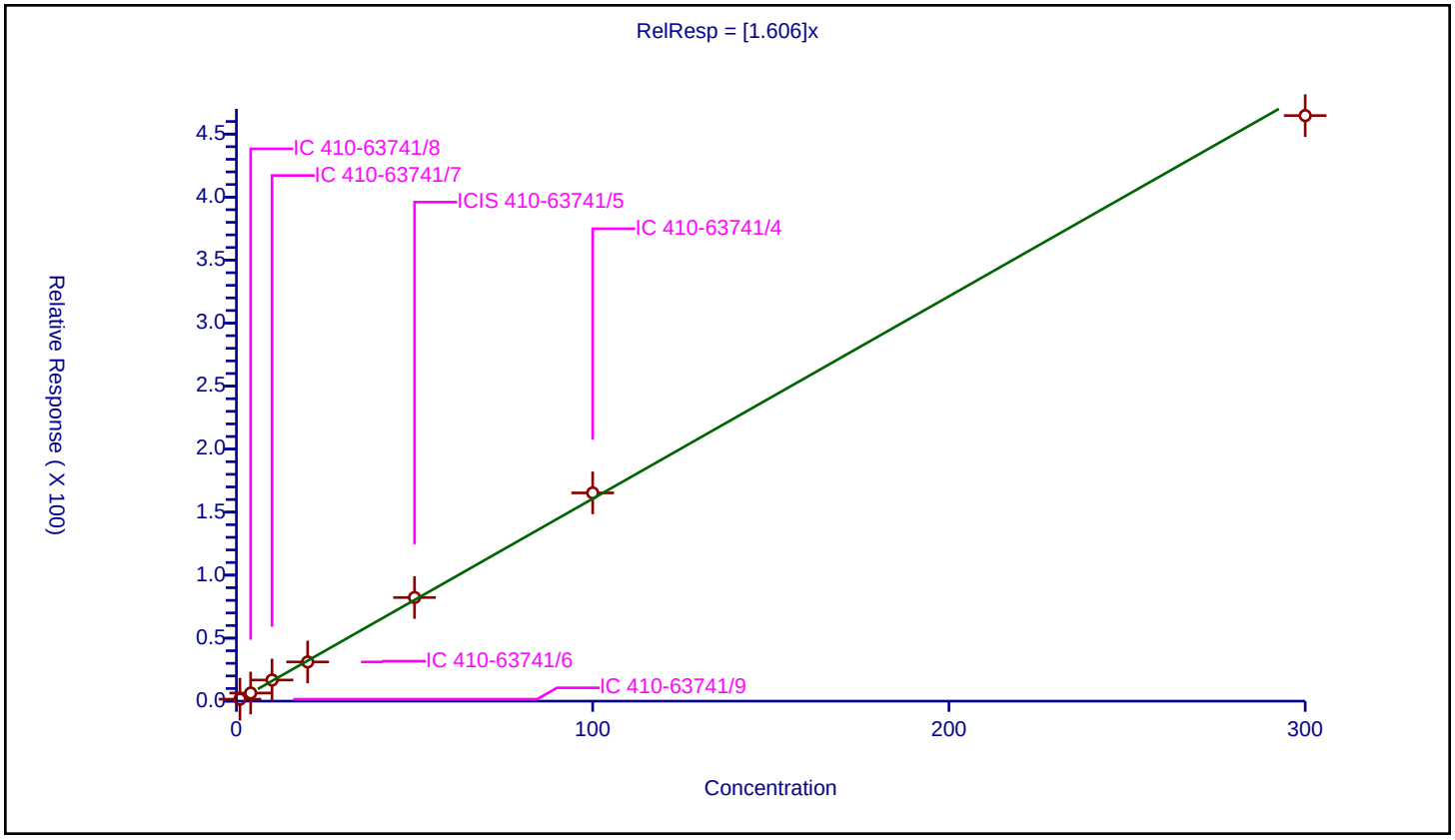
Curve Coefficients

Intercept:	0
Slope:	1.606

Error Coefficients

Standard Error:	2180000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	1.55876	50.0	516308.0	1.55876	Y
2	IC 410-63741/8	4.0	6.440867	50.0	501594.0	1.610217	Y
3	IC 410-63741/7	10.0	16.742285	50.0	500762.0	1.674228	Y
4	IC 410-63741/6	20.0	31.093067	50.0	508697.0	1.554653	Y
5	ICIS 410-63741/5	50.0	82.235776	50.0	515083.0	1.644716	Y
6	IC 410-63741/4	100.0	165.255144	50.0	516062.0	1.652551	Y
7	IC 410-63741/3	300.0	464.679064	50.0	535075.0	1.54893	Y



Calibration / o-diethylbenzene

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

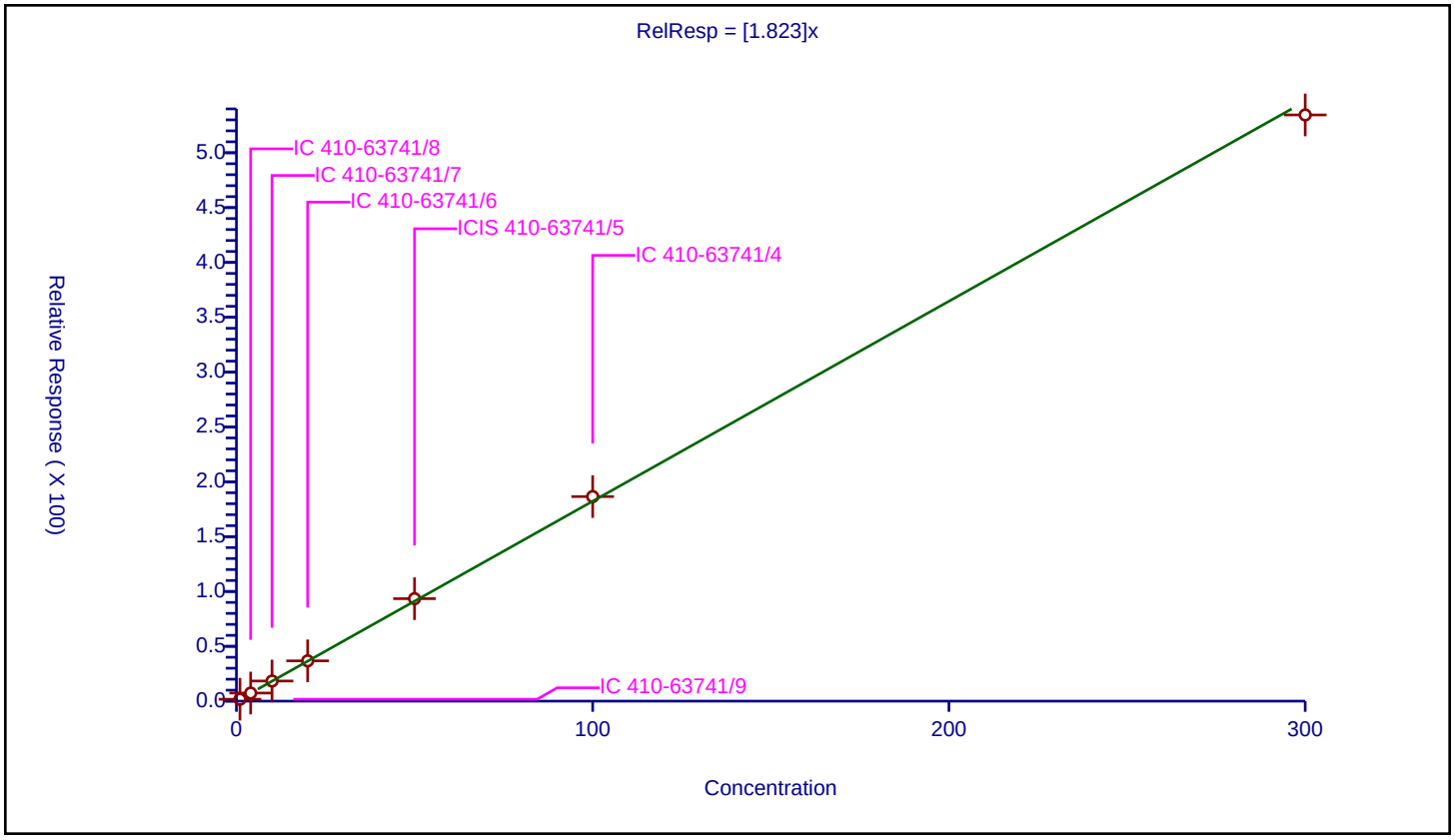
Curve Coefficients

Intercept:	0
Slope:	1.823

Error Coefficients

Standard Error:	2500000
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 410-63741/9	1.0	1.729491	50.0	516308.0	1.729491	Y
2	IC 410-63741/8	4.0	7.380471	50.0	501594.0	1.845118	Y
3	IC 410-63741/7	10.0	18.355826	50.0	500762.0	1.835583	Y
4	IC 410-63741/6	20.0	36.718616	50.0	508697.0	1.835931	Y
5	ICIS 410-63741/5	50.0	93.437562	50.0	515083.0	1.868751	Y
6	IC 410-63741/4	100.0	186.525359	50.0	516062.0	1.865254	Y
7	IC 410-63741/3	300.0	534.485633	50.0	535075.0	1.781619	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

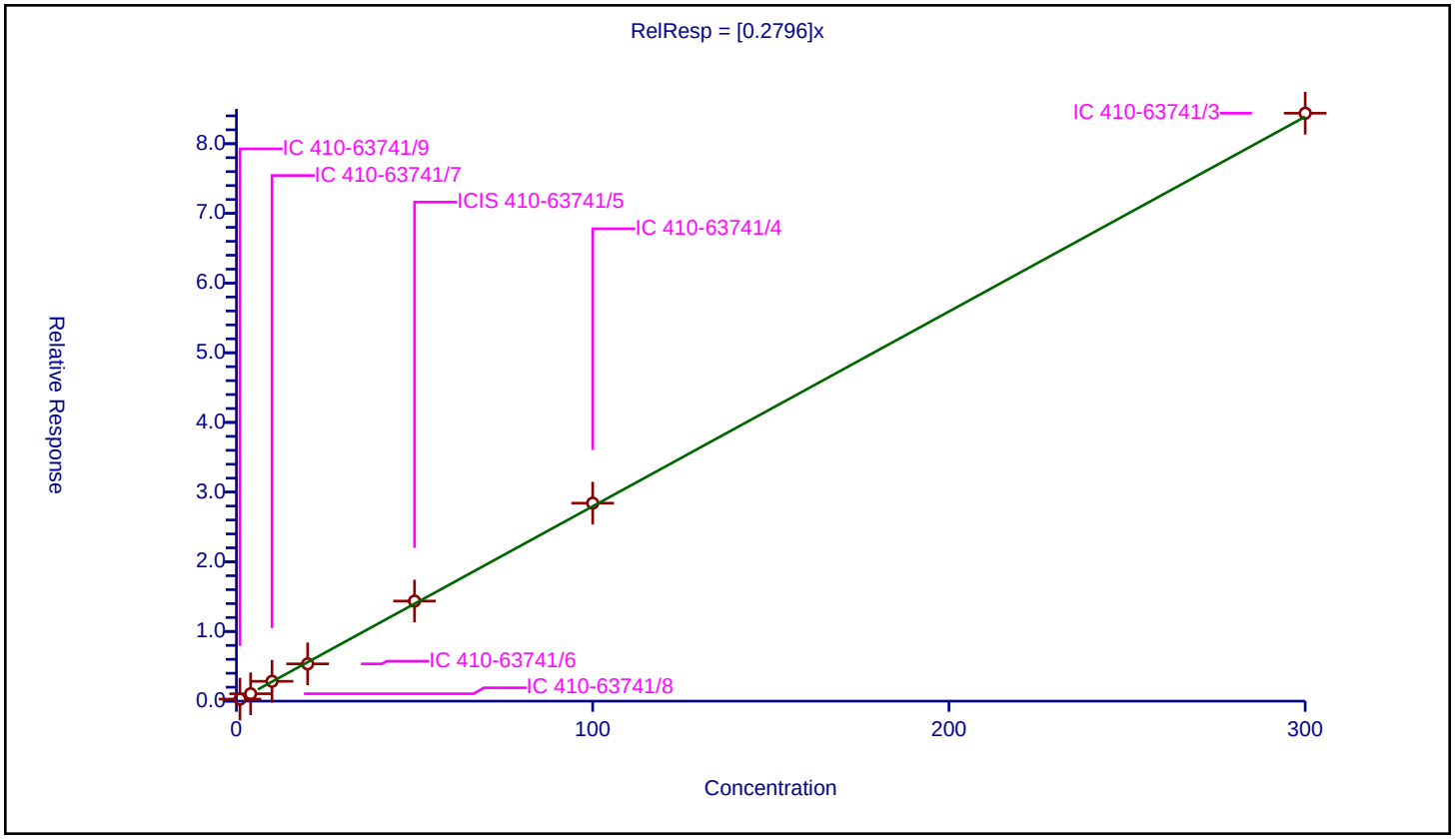
Curve Coefficients

Intercept:	0
Slope:	0.2796

Error Coefficients

Standard Error:	393000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.287135	50.0	516308.0	0.287135	Y
2	IC 410-63741/8	4.0	1.061715	50.0	501594.0	0.265429	Y
3	IC 410-63741/7	10.0	2.845663	50.0	500762.0	0.284566	Y
4	IC 410-63741/6	20.0	5.347781	50.0	508697.0	0.267389	Y
5	ICIS 410-63741/5	50.0	14.363122	50.0	515083.0	0.287262	Y
6	IC 410-63741/4	100.0	28.415287	50.0	516062.0	0.284153	Y
7	IC 410-63741/3	300.0	84.378732	50.0	535075.0	0.281262	Y



Calibration / 1,3,5-Trichlorobenzene

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

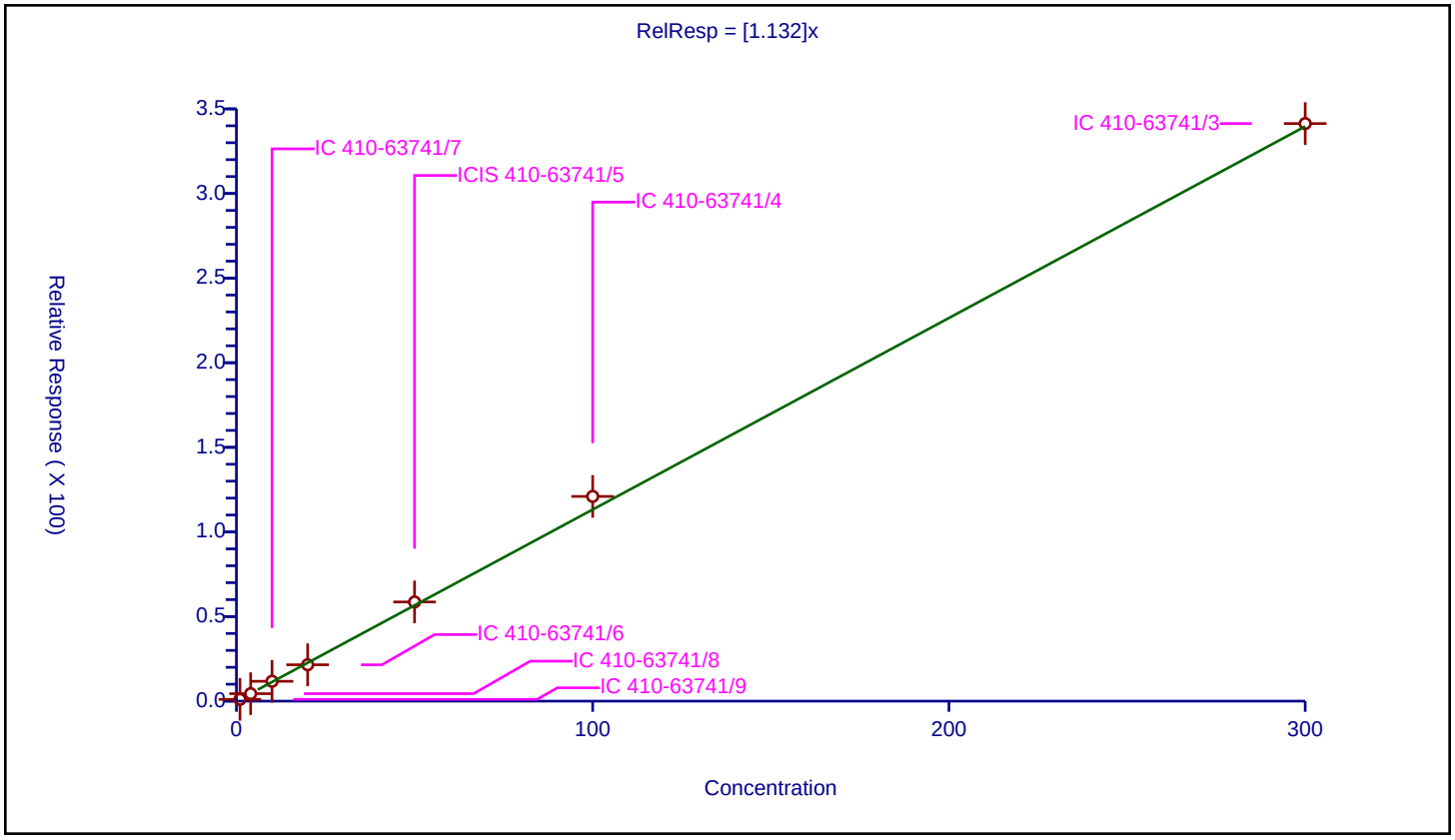
Curve Coefficients

Intercept:	0
Slope:	1.132

Error Coefficients

Standard Error:	1600000
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 410-63741/9	1.0	1.053538	50.0	516308.0	1.053538	Y
2	IC 410-63741/8	4.0	4.414925	50.0	501594.0	1.103731	Y
3	IC 410-63741/7	10.0	11.731022	50.0	500762.0	1.173102	Y
4	IC 410-63741/6	20.0	21.498652	50.0	508697.0	1.074933	Y
5	ICIS 410-63741/5	50.0	58.607351	50.0	515083.0	1.172147	Y
6	IC 410-63741/4	100.0	120.982653	50.0	516062.0	1.209827	Y
7	IC 410-63741/3	300.0	341.330841	50.0	535075.0	1.137769	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

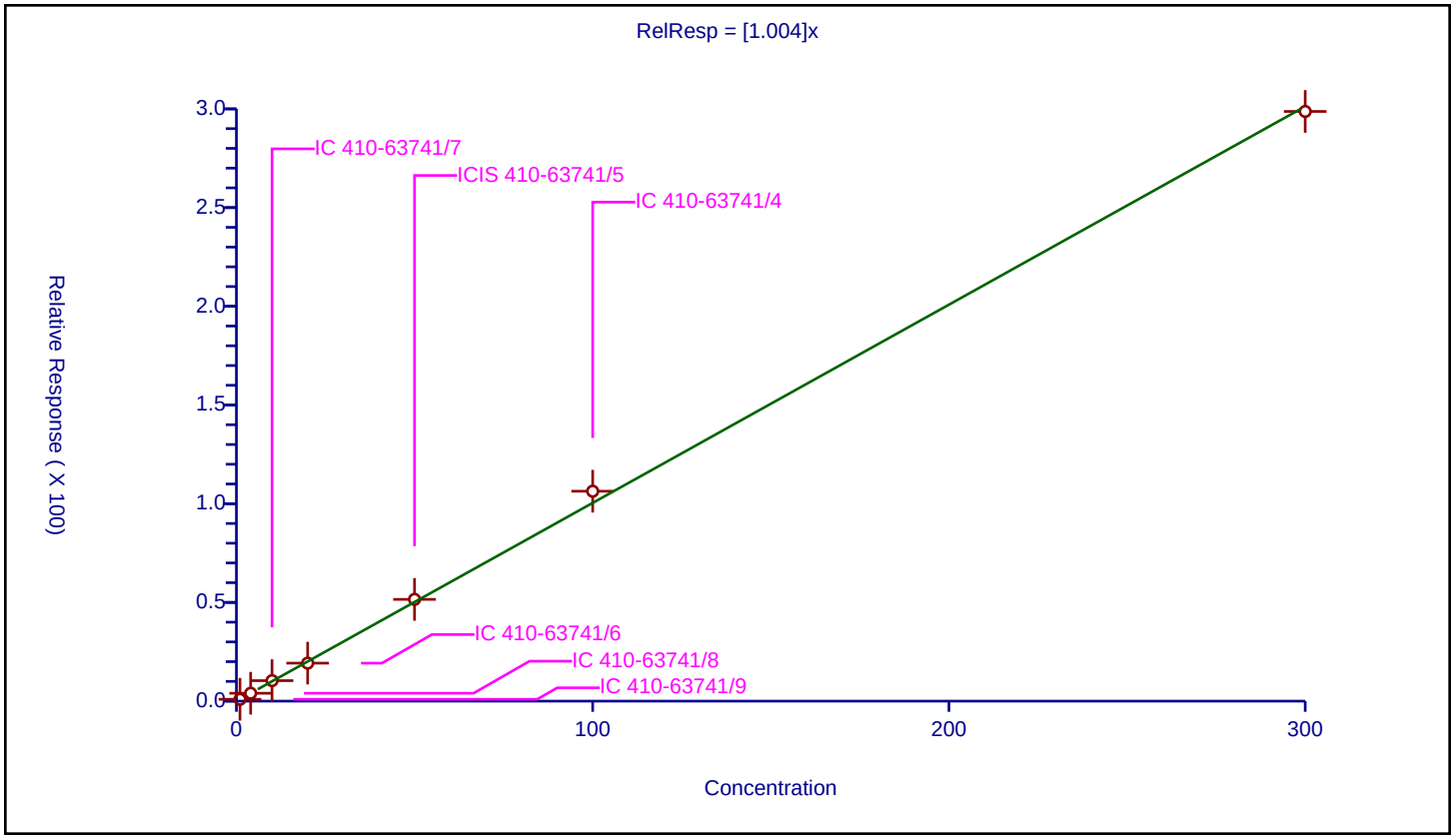
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.939652	50.0	516308.0	0.939652	Y
2	IC 410-63741/8	4.0	3.995562	50.0	501594.0	0.998891	Y
3	IC 410-63741/7	10.0	10.381578	50.0	500762.0	1.038158	Y
4	IC 410-63741/6	20.0	19.245052	50.0	508697.0	0.962253	Y
5	ICIS 410-63741/5	50.0	51.548391	50.0	515083.0	1.030968	Y
6	IC 410-63741/4	100.0	106.334607	50.0	516062.0	1.063346	Y
7	IC 410-63741/3	300.0	298.701304	50.0	535075.0	0.995671	Y



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

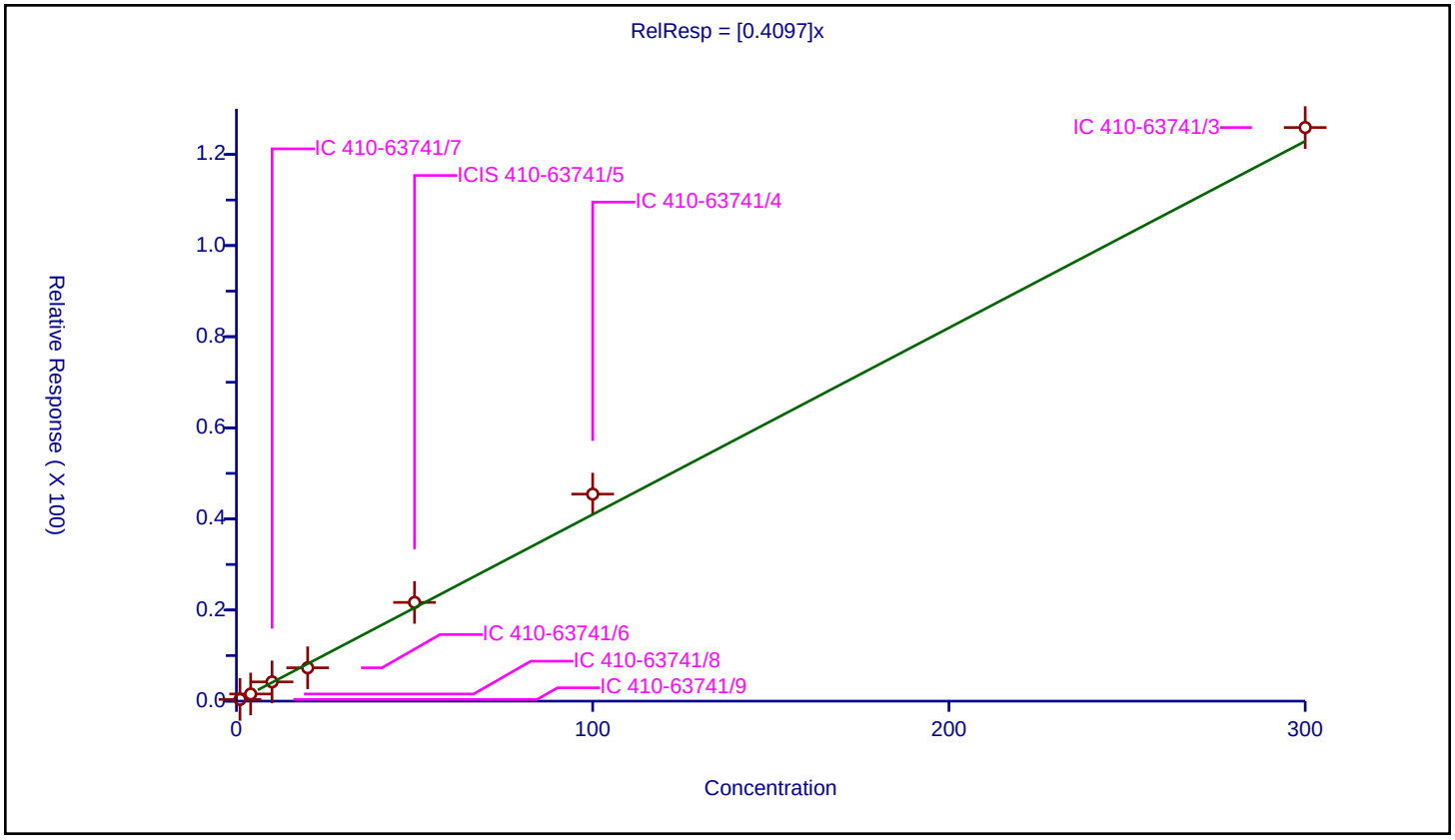
Curve Coefficients

Intercept:	0
Slope:	0.4097

Error Coefficients

Standard Error:	591000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	0.379715	50.0	516308.0	0.379715	Y
2	IC 410-63741/8	4.0	1.569696	50.0	501594.0	0.392424	Y
3	IC 410-63741/7	10.0	4.222165	50.0	500762.0	0.422217	Y
4	IC 410-63741/6	20.0	7.319878	50.0	508697.0	0.365994	Y
5	ICIS 410-63741/5	50.0	21.67175	50.0	515083.0	0.433435	Y
6	IC 410-63741/4	100.0	45.439695	50.0	516062.0	0.454397	Y
7	IC 410-63741/3	300.0	125.909078	50.0	535075.0	0.419697	Y



Calibration / Naphthalene

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

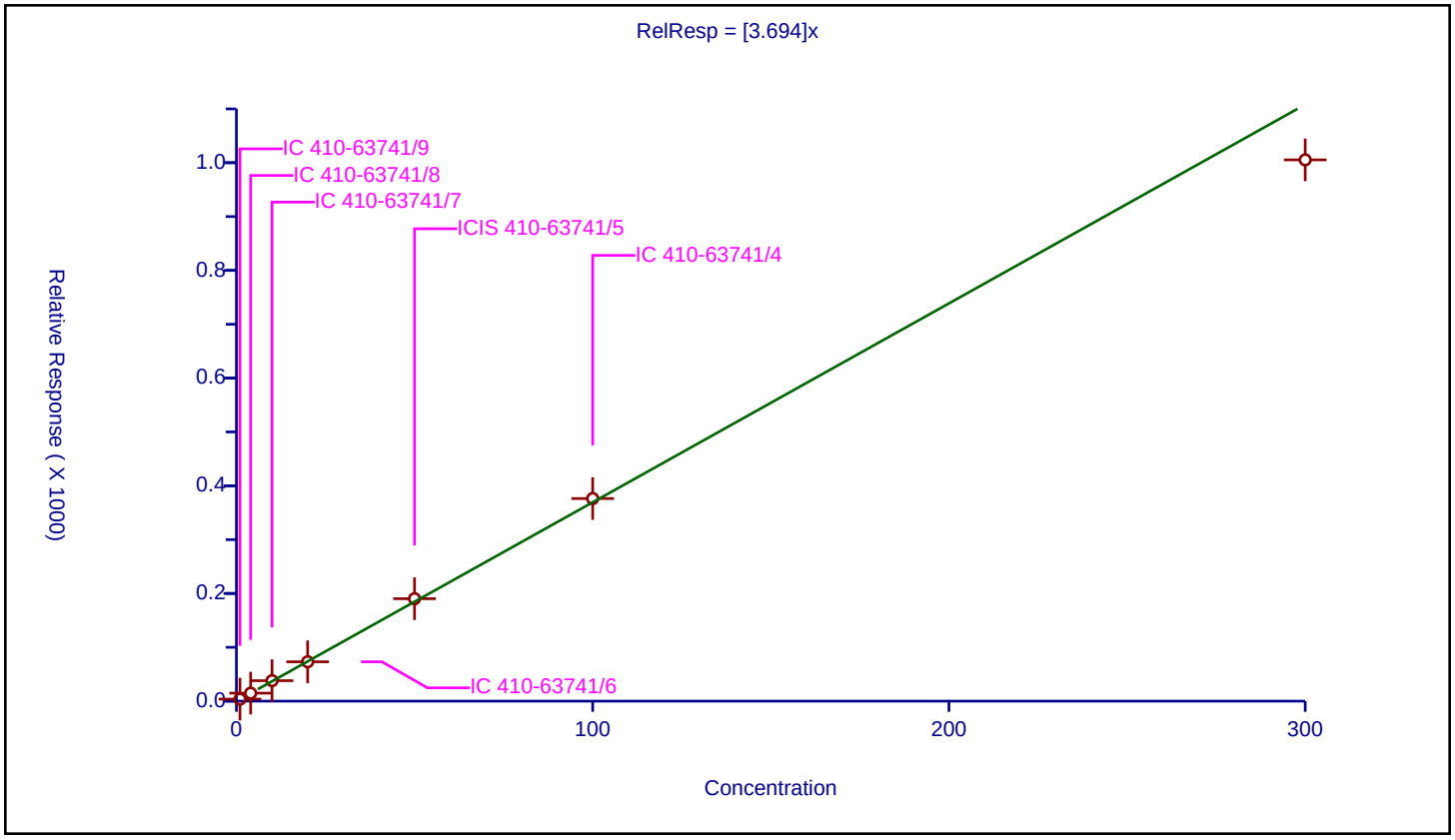
Curve Coefficients

Intercept:	0
Slope:	3.694

Error Coefficients

Standard Error:	4750000
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 410-63741/9	1.0	3.767131	50.0	516308.0	3.767131	Y
2	IC 410-63741/8	4.0	14.84308	50.0	501594.0	3.71077	Y
3	IC 410-63741/7	10.0	38.034136	50.0	500762.0	3.803414	Y
4	IC 410-63741/6	20.0	73.094003	50.0	508697.0	3.6547	Y
5	ICIS 410-63741/5	50.0	190.256522	50.0	515083.0	3.80513	Y
6	IC 410-63741/4	100.0	376.287248	50.0	516062.0	3.762872	Y
7	IC 410-63741/3	300.0	1005.31804	50.0	535075.0	3.35106	Y



Calibration / 1,2,3-Trichlorobenzene

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

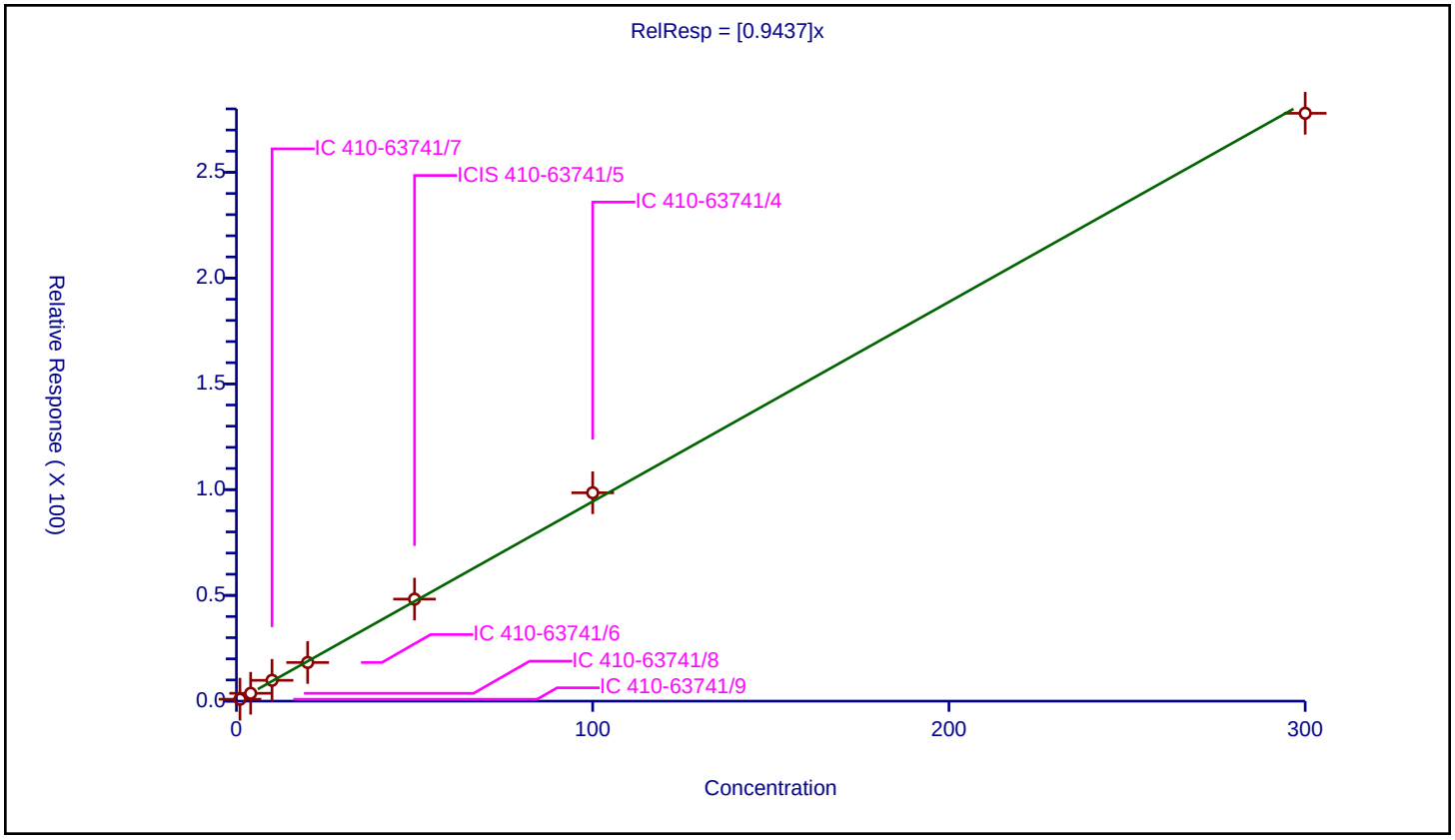
Curve Coefficients

Intercept:	0
Slope:	0.9437

Error Coefficients

Standard Error:	1300000
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 410-63741/9	1.0	0.904596	50.0	516308.0	0.904596	Y
2	IC 410-63741/8	4.0	3.704889	50.0	501594.0	0.926222	Y
3	IC 410-63741/7	10.0	9.845495	50.0	500762.0	0.98455	Y
4	IC 410-63741/6	20.0	18.283084	50.0	508697.0	0.914154	Y
5	ICIS 410-63741/5	50.0	48.233974	50.0	515083.0	0.964679	Y
6	IC 410-63741/4	100.0	98.515876	50.0	516062.0	0.985159	Y
7	IC 410-63741/3	300.0	277.920478	50.0	535075.0	0.926402	Y



Calibration / 2-Methylnaphthalene

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

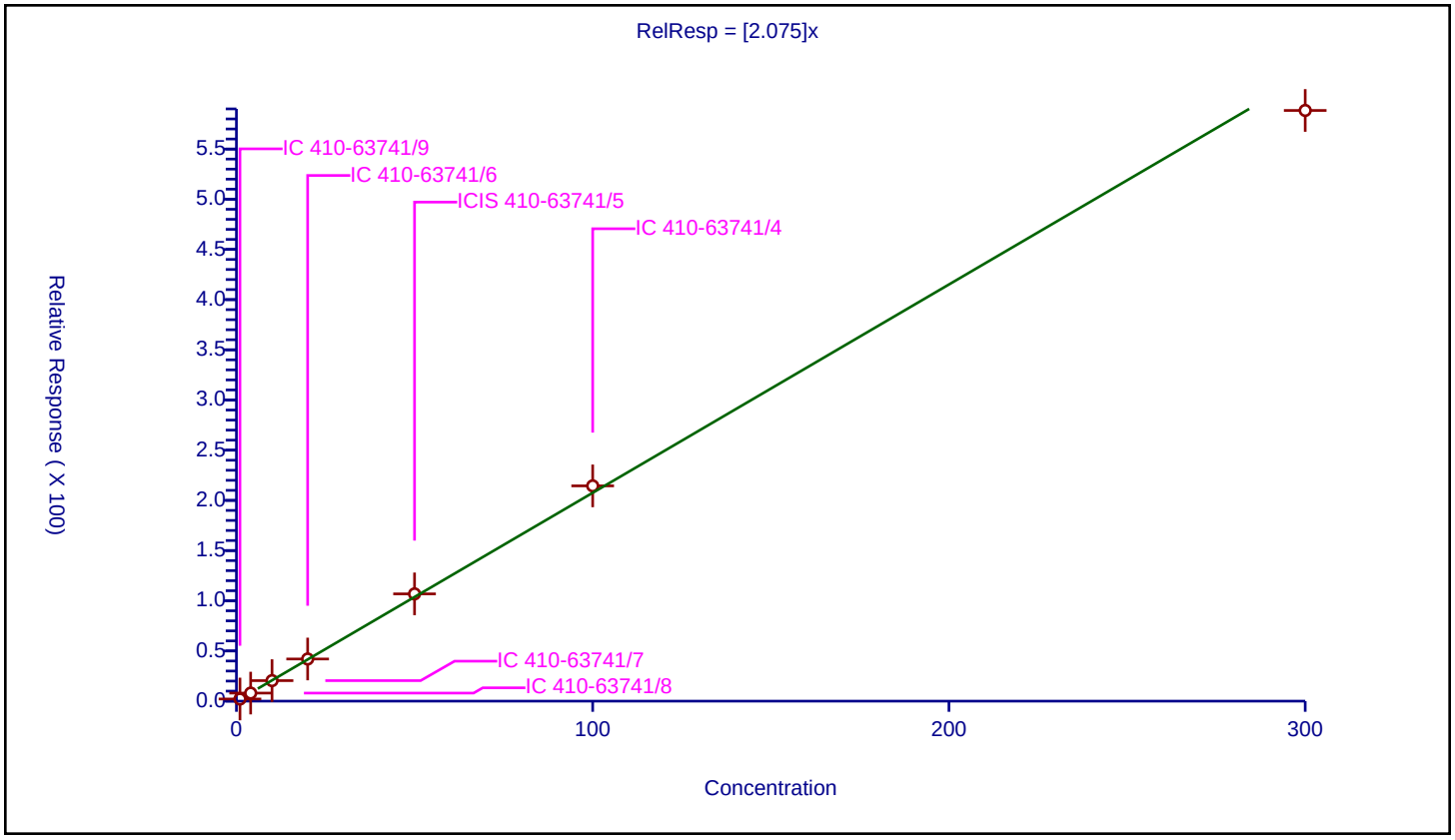
Curve Coefficients

Intercept:	0
Slope:	2.075

Error Coefficients

Standard Error:	2770000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-63741/9	1.0	2.137678	50.0	516308.0	2.137678	Y
2	IC 410-63741/8	4.0	8.015048	50.0	501594.0	2.003762	Y
3	IC 410-63741/7	10.0	20.432062	50.0	500762.0	2.043206	Y
4	IC 410-63741/6	20.0	41.999166	50.0	508697.0	2.099958	Y
5	ICIS 410-63741/5	50.0	106.865107	50.0	515083.0	2.137302	Y
6	IC 410-63741/4	100.0	214.452624	50.0	516062.0	2.144526	Y
7	IC 410-63741/3	300.0	588.441433	50.0	535075.0	1.961471	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-63741/10 Calibration Date: 11/09/2020 16:14

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NN09V01.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	0.2679	0.3046	0.1000	22.7	20.0	13.7	30.0
Chloromethane	Ave	0.3518	0.3780	0.1000	21.5	20.0	7.5	30.0
Vinyl chloride	Ave	0.3408	0.3739	0.1000	21.9	20.0	9.7	30.0
1,3-Butadiene	Ave	0.3208	0.3002		18.7	20.0	-6.4	30.0
Bromomethane	Ave	0.2352	0.2516	0.1000	21.4	20.0	7.0	30.0
Chloroethane	Ave	0.2199	0.2231	0.1000	20.3	20.0	1.5	30.0
Dichlorofluoromethane	Ave	0.5185	0.5009		19.3	20.0	-3.4	30.0
Trichlorofluoromethane	Ave	0.4215	0.4380	0.1000	20.8	20.0	3.9	30.0
n-Pentane	Ave	0.4360	0.4080		18.7	20.0	-6.4	30.0
Ethanol	Ave	0.0730	0.0684		937	1000	-6.3	30.0
Freon 123a	Ave	0.3166	0.3254		20.6	20.0	2.8	30.0
Acrolein	Ave	1.837	1.648		135	150	-10.3	30.0
1,1-Dichloroethene	Ave	0.2476	0.2577	0.1000	20.8	20.0	4.1	30.0
Acetone	Ave	0.7670	0.6987	0.1000	137	150	-8.9	30.0
Freon 113	Ave	0.2420	0.2362	0.1000	19.5	20.0	-2.4	30.0
2-Propanol	Ave	0.4577	0.4040		132	150	-11.7	30.0
Methyl iodide	Ave	0.4252	0.4120		19.4	20.0	-3.1	30.0
Carbon disulfide	Ave	0.8252	0.8081	0.1000	19.6	20.0	-2.1	30.0
Methyl acetate	Ave	0.2758	0.2651	0.1000	19.2	20.0	-3.9	30.0
Allyl chloride	Ave	0.4124	0.4148		20.1	20.0	0.6	30.0
Methylene Chloride	Ave	0.2824	0.2844	0.1000	20.1	20.0	0.7	30.0
t-Butyl alcohol	Ave	0.9890	0.9587		194	200	-3.1	30.0
Acrylonitrile	Ave	0.1446	0.1421		98.3	100	-1.7	30.0
Methyl tertiary butyl ether	Ave	0.9002	0.8492	0.1000	18.9	20.0	-5.7	30.0
trans-1,2-Dichloroethene	Ave	0.2818	0.2846	0.1000	20.2	20.0	1.0	30.0
n-Hexane	Ave	0.4222	0.4286		20.3	20.0	1.5	30.0
1,1-Dichloroethane	Ave	0.5064	0.5143	0.2000	20.3	20.0	1.6	30.0
di-Isopropyl ether	Ave	0.8812	0.8445		19.2	20.0	-4.2	30.0
2-Chloro-1,3-butadiene	Ave	0.4668	0.4668		20.0	20.0	-0.0	30.0
Ethyl t-butyl ether	Ave	0.9046	0.8786		19.4	20.0	-2.9	30.0
2-Butanone	Ave	0.2026	0.1927	0.1000	143	150	-4.9	30.0
cis-1,2-Dichloroethene	Ave	0.3256	0.3404	0.1000	20.9	20.0	4.6	30.0
2,2-Dichloropropane	Ave	0.4645	0.4815		20.7	20.0	3.7	30.0
Propionitrile	Ave	1.198	1.176		147	150	-1.9	30.0
Methacrylonitrile	Ave	0.1645	0.1624		148	150	-1.3	30.0
Bromochloromethane	Ave	0.1506	0.1422		18.9	20.0	-5.6	30.0
Tetrahydrofuran	Ave	1.301	1.150		88.4	100	-11.6	30.0
Chloroform	Ave	0.5008	0.4993	0.2000	19.9	20.0	-0.3	30.0
1,1,1-Trichloroethane	Ave	0.4523	0.4532	0.1000	20.0	20.0	0.2	30.0
Cyclohexane	Ave	0.5072	0.5074	0.1000	20.0	20.0	0.0	30.0
1,1-Dichloropropene	Ave	0.4125	0.4191		20.3	20.0	1.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-63741/10 Calibration Date: 11/09/2020 16:14

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NN09V01.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
Carbon tetrachloride	Ave	0.3712	0.3779	0.1000	20.4	20.0	1.8	30.0
Isobutyl alcohol	Ave	0.3265	0.3099		475	500	-5.1	30.0
Benzene	Ave	1.203	1.199	0.5000	19.9	20.0	-0.3	30.0
1,2-Dichloroethane	Ave	0.4063	0.3812	0.1000	18.8	20.0	-6.2	30.0
t-Amyl methyl ether	Ave	0.8970	0.8855		19.7	20.0	-1.3	30.0
n-Heptane	Ave	0.4180	0.3991		19.1	20.0	-4.5	30.0
n-Butanol	Ave	0.3014	0.2834		940	1000	-6.0	30.0
Trichloroethene	Ave	0.3053	0.3041	0.2000	19.9	20.0	-0.4	30.0
Methylcyclohexane	Ave	0.5550	0.5557	0.1000	20.0	20.0	0.1	30.0
1,2-Dichloropropane	Ave	0.3020	0.3078	0.1000	20.4	20.0	1.9	30.0
t-Amyl ethyl ether	Ave	0.4803	0.4830		20.1	20.0	0.6	30.0
Methyl methacrylate	Ave	0.2932	0.2730		18.6	20.0	-6.9	30.0
1,4-Dioxane	Ave	0.0658	0.0628	0.0050	477	500	-4.6	30.0
Dibromomethane	Ave	0.1803	0.1762		19.5	20.0	-2.3	30.0
Bromodichloromethane	Ave	0.3838	0.3838	0.2000	20.0	20.0	0.0	30.0
2-Nitropropane	Ave	2.474	2.360		19.1	20.0	-4.6	30.0
2-Chloroethyl vinyl ether	Ave	0.2291	0.2266		19.8	20.0	-1.1	30.0
cis-1,3-Dichloropropene	Ave	0.5056	0.4935	0.2000	19.5	20.0	-2.4	30.0
4-Methyl-2-pentanone	Ave	0.4090	0.4056	0.1000	99.2	100	-0.8	30.0
Toluene	Ave	1.040	1.053	0.4000	20.3	20.0	1.3	30.0
trans-1,3-Dichloropropene	Ave	0.6135	0.5946	0.1000	19.4	20.0	-3.1	30.0
Ethyl methacrylate	Ave	0.6365	0.6335		19.9	20.0	-0.5	30.0
1,1,2-Trichloroethane	Ave	0.3616	0.3632	0.1000	20.1	20.0	0.4	30.0
Tetrachloroethene	Ave	0.4626	0.4222	0.2000	18.3	20.0	-8.7	30.0
1,3-Dichloropropane	Ave	0.6301	0.6163		19.6	20.0	-2.2	30.0
2-Hexanone	Ave	0.4220	0.4169	0.1000	98.8	100	-1.2	30.0
Dibromochloromethane	Ave	0.3794	0.3852		20.3	20.0	1.5	30.0
1,2-Dibromoethane	Ave	0.3743	0.3730	0.1000	19.9	20.0	-0.3	30.0
1-Chlorohexane	Ave	0.6159	0.6152		20.0	20.0	-0.1	30.0
Chlorobenzene	Ave	1.125	1.142	0.5000	20.3	20.0	1.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3812	0.3817		20.0	20.0	0.1	30.0
Ethylbenzene	Ave	2.012	2.048	0.1000	20.4	20.0	1.8	30.0
m&p-Xylene	Ave	0.7888	0.8127	0.1000	41.2	40.0	3.0	30.0
o-Xylene	Ave	0.7676	0.7877	0.3000	20.5	20.0	2.6	30.0
Styrene	Ave	1.298	1.328	0.3000	20.5	20.0	2.3	30.0
Bromoform	Ave	0.2649	0.2535	0.1000	19.1	20.0	-4.3	30.0
Isopropylbenzene	Ave	2.054	2.132	0.1000	20.8	20.0	3.8	30.0
Cyclohexanone	Ave	0.2691	0.2557		475	500	-5.0	30.0
1,1,2,2-Tetrachloroethane	Ave	1.076	1.069	0.3000	19.9	20.0	-0.6	30.0
Bromobenzene	Ave	0.8692	0.8720		20.1	20.0	0.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3794	0.3766		99.2	100	-0.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-63741/10 Calibration Date: 11/09/2020 16:14

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NN09V01.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
1,2,3-Trichloropropane	Ave	0.3392	0.3376		19.9	20.0	-0.5	30.0
N-Propylbenzene	Ave	4.560	4.831		21.2	20.0	6.0	30.0
2-Chlorotoluene	Ave	0.8898	0.9289		20.9	20.0	4.4	30.0
1,3,5-Trimethylbenzene	Ave	3.334	3.420		20.5	20.0	2.6	30.0
4-Chlorotoluene	Ave	0.9215	0.9330		20.2	20.0	1.2	30.0
tert-Butylbenzene	Ave	0.7151	0.7165		20.0	20.0	0.2	30.0
Pentachloroethane	Ave	0.4607	0.5216		22.6	20.0	13.2	30.0
1,2,4-Trimethylbenzene	Ave	3.400	3.444		20.3	20.0	1.3	30.0
sec-Butylbenzene	Ave	4.201	4.400		20.9	20.0	4.7	30.0
1,3-Dichlorobenzene	Ave	1.697	1.725	0.6000	20.3	20.0	1.7	30.0
p-Isopropyltoluene	Ave	3.591	3.789		21.1	20.0	5.5	30.0
1,4-Dichlorobenzene	Ave	1.712	1.747	0.5000	20.4	20.0	2.1	30.0
1,2,3-Trimethylbenzene	Ave	3.390	3.565		21.0	20.0	5.2	30.0
Benzyl chloride	Ave	2.439	2.443		20.0	20.0	0.2	30.0
1,3-Diethylbenzene	Ave	2.209	2.183		19.8	20.0	-1.2	30.0
1,4-Diethylbenzene	Ave	2.307	2.314		20.1	20.0	0.3	30.0
n-Butylbenzene	Ave	1.811	1.846		20.4	20.0	1.9	30.0
1,2-Dichlorobenzene	Ave	1.606	1.620	0.4000	20.2	20.0	0.8	30.0
1,2-Diethylbenzene	Ave	1.823	1.812		19.9	20.0	-0.6	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2796	0.2793	0.0500	20.0	20.0	-0.1	30.0
1,3,5-Trichlorobenzene	Ave	1.132	1.131		20.0	20.0	-0.1	30.0
1,2,4-Trichlorobenzene	Ave	1.004	0.9911	0.2000	19.7	20.0	-1.3	30.0
Hexachlorobutadiene	Ave	0.4097	0.4032		19.7	20.0	-1.6	30.0
Naphthalene	Ave	3.694	3.608		19.5	20.0	-2.3	30.0
1,2,3-Trichlorobenzene	Ave	0.9437	0.9184		19.5	20.0	-2.7	30.0
2-Methylnaphthalene	Ave	2.075	1.860		17.9	20.0	-10.4	30.0
Dibromofluoromethane (Surr)	Ave	0.2320	0.2289		49.3	50.0	-1.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0626	0.0625		50.0	50.0	-0.0	30.0
Toluene-d8 (Surr)	Ave	1.341	1.346		50.2	50.0	0.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5229	0.5214		49.9	50.0	-0.3	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09V01.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 09-Nov-2020 16:14:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV020
Misc. Info.: 410-0015005-010
Operator ID: DVV10203 Instrument ID: 7159
Sublist:

Method: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 09-Nov-2020 17:37:18 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: greenl Date: 09-Nov-2020 17:37:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.013	2.020	-0.007	99	159865	20.0	22.7	
6 Chloromethane	50	2.219	2.232	-0.013	99	198419	20.0	21.5	
8 Vinyl chloride	62	2.341	2.354	-0.013	91	196243	20.0	21.9	
9 Butadiene	39	2.347	2.354	-0.007	90	157573	20.0	18.7	
10 Bromomethane	94	2.682	2.695	-0.013	90	132060	20.0	21.4	
11 Chloroethane	64	2.773	2.786	-0.013	99	117106	20.0	20.3	
12 Dichlorofluoromethane	67	3.022	3.035	-0.013	97	262901	20.0	19.3	
13 Trichlorofluoromethane	101	3.095	3.108	-0.013	97	229919	20.0	20.8	
15 Pentane	43	3.144	3.151	-0.007	96	214139	20.0	18.7	
16 Ethanol	45	3.211	3.224	-0.013	93	92459	1000.0	936.8	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.436	3.449	-0.013	93	170784	20.0	20.6	
18 Acrolein	56	3.540	3.547	-0.006	98	334209	150.0	134.6	
20 1,1-Dichloroethene	96	3.686	3.693	-0.006	98	135278	20.0	20.8	
21 Acetone	58	3.710	3.723	-0.013	100	141672	150.0	136.6	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.716	3.729	-0.013	68	123988	20.0	19.5	
23 Isopropyl alcohol	45	3.862	3.845	0.017	96	81920	150.0	132.4	
24 Iodomethane	142	3.892	3.899	-0.007	98	216269	20.0	19.4	
25 Carbon disulfide	76	4.008	4.015	-0.007	99	424172	20.0	19.6	
26 Methyl acetate	43	4.154	4.155	-0.001	97	139139	20.0	19.2	
27 3-Chloro-1-propene	41	4.184	4.197	-0.013	92	217740	20.0	20.1	
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.386	-0.013	0	337942	250.0	250.0	
28 Methylene Chloride	84	4.379	4.392	-0.013	92	149279	20.0	20.1	
31 2-Methyl-2-propanol	59	4.501	4.508	-0.007	99	259189	200.0	193.9	
32 Acrylonitrile	53	4.714	4.727	-0.013	99	372833	100.0	98.3	
33 Methyl tert-butyl ether	73	4.787	4.800	-0.013	95	445732	20.0	18.9	
34 trans-1,2-Dichloroethene	96	4.811	4.818	-0.007	98	149404	20.0	20.2	
36 Hexane	57	5.231	5.238	-0.007	92	224939	20.0	20.3	
37 1,1-Dichloroethane	63	5.468	5.475	-0.007	96	269972	20.0	20.3	
39 Isopropyl ether	45	5.523	5.530	-0.007	92	443263	20.0	19.2	
40 2-Chloro-1,3-butadiene	53	5.578	5.584	-0.006	91	244998	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.058	6.065	-0.007	97	461138	20.0	19.4	
43 2-Butanone (MEK)	43	6.253	6.260	-0.007	99	758432	150.0	142.6	
44 cis-1,2-Dichloroethene	96	6.308	6.314	-0.006	84	178653	20.0	20.9	
45 2,2-Dichloropropane	77	6.320	6.327	-0.007	87	252706	20.0	20.7	
46 Propionitrile	54	6.344	6.345	-0.001	99	238469	150.0	147.2	
47 Methacrylonitrile	67	6.569	6.570	-0.001	91	639108	150.0	148.0	
48 Chlorobromomethane	128	6.642	6.643	-0.001	92	74643	20.0	18.9	
49 Tetrahydrofuran	71	6.642	6.649	-0.007	82	155417	100.0	88.4	
50 Chloroform	83	6.788	6.795	-0.007	94	262059	20.0	19.9	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.008	-0.001	93	300424	50.0	49.3	
52 1,1,1-Trichloroethane	97	7.019	7.026	-0.007	98	237890	20.0	20.0	
54 Cyclohexane	56	7.129	7.130	-0.001	89	266349	20.0	20.0	
56 1,1-Dichloropropene	75	7.238	7.239	-0.001	95	219957	20.0	20.3	
55 Carbon tetrachloride	117	7.238	7.239	-0.001	86	198329	20.0	20.4	
58 Isobutyl alcohol	41	7.354	7.361	-0.007	94	209467	500.0	474.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.470	-0.007	98	82061	50.0	50.0	
60 Benzene	78	7.500	7.507	-0.007	97	629476	20.0	19.9	
61 1,2-Dichloroethane	62	7.573	7.574	-0.001	98	200109	20.0	18.8	
62 Tert-amyl methyl ether	73	7.682	7.689	-0.007	98	464760	20.0	19.7	
* 64 Fluorobenzene (IS)	96	7.901	7.908	-0.007	99	1312200	50.0	50.0	
65 n-Heptane	43	7.914	7.914	0.000	90	209467	20.0	19.1	
66 n-Butanol	56	8.242	8.243	-0.001	86	383108	1000.0	940.4	
67 Trichloroethene	95	8.388	8.389	-0.001	98	159632	20.0	19.9	
68 Methylcyclohexane	83	8.698	8.705	-0.007	93	291683	20.0	20.0	
70 1,2-Dichloropropane	63	8.723	8.724	-0.001	81	161545	20.0	20.4	
69 2-ethoxy-2-methyl butane	87	8.723	8.724	-0.001	94	253517	20.0	20.1	
71 Methyl methacrylate	69	8.796	8.797	-0.001	91	143317	20.0	18.6	
72 1,4-Dioxane	88	8.802	8.803	-0.001	37	42424	500.0	476.8	M
74 Dibromomethane	93	8.838	8.839	-0.001	95	92459	20.0	19.5	
75 Dichlorobromomethane	83	9.069	9.070	-0.001	99	201472	20.0	20.0	
77 2-Nitropropane	41	9.325	9.326	-0.001	96	63792	20.0	19.1	
78 2-Chloroethyl vinyl ether	63	9.422	9.423	-0.001	92	118912	20.0	19.8	
79 cis-1,3-Dichloropropene	75	9.605	9.606	-0.001	96	259012	20.0	19.5	
80 4-Methyl-2-pentanone (MIBK)	43	9.763	9.764	-0.001	96	1064556	100.0	99.2	
$ 81 Toluene-d8 (Surr)	98	9.909	9.910	-0.001	94	1325449	50.0	50.2	
82 Toluene	92	9.982	9.983	-0.001	98	414837	20.0	20.3	
84 trans-1,3-Dichloropropene	75	10.231	10.232	-0.001	93	234138	20.0	19.4	
85 Ethyl methacrylate	69	10.286	10.287	-0.001	89	249448	20.0	19.9	
86 1,1,2-Trichloroethane	97	10.438	10.433	0.005	91	143011	20.0	20.1	
87 Tetrachloroethene	166	10.523	10.524	-0.001	95	166275	20.0	18.3	
88 1,3-Dichloropropane	76	10.596	10.597	-0.001	91	242701	20.0	19.6	
89 2-Hexanone	43	10.639	10.640	-0.001	95	820878	100.0	98.8	
90 Chlorodibromomethane	129	10.809	10.810	-0.001	90	151697	20.0	20.3	
91 Ethylene Dibromide	107	10.925	10.926	-0.001	99	146877	20.0	19.9	
* 93 Chlorobenzene-d5 (IS)	117	11.351	11.352	-0.001	89	984463	50.0	50.0	
94 1-Chlorohexane	91	11.351	11.352	-0.001	97	242275	20.0	20.0	
95 Chlorobenzene	112	11.375	11.376	-0.001	94	449768	20.0	20.3	
96 1,1,1,2-Tetrachloroethane	131	11.454	11.455	-0.001	96	150306	20.0	20.0	
97 Ethylbenzene	91	11.460	11.461	-0.001	98	806345	20.0	20.4	
98 m-Xylene & p-Xylene	106	11.576	11.571	0.005	100	640091	40.0	41.2	
99 o-Xylene	106	11.904	11.905	-0.001	95	310167	20.0	20.5	
100 Styrene	104	11.917	11.917	0.000	94	522992	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
101 Bromoform	173	12.081	12.076	0.005	95	99821	20.0	19.1	
102 Isopropylbenzene	105	12.202	12.203	-0.001	96	839690	20.0	20.8	
103 Cyclohexanone	55	12.275	12.276	-0.001	92	172842	500.0	475.2	
$ 104 4-Bromofluorobenzene (Surr)	95	12.348	12.349	-0.001	86	513299	50.0	49.9	
105 1,1,2,2-Tetrachloroethane	83	12.440	12.441	-0.001	93	219275	20.0	19.9	
106 Bromobenzene	156	12.464	12.465	-0.001	94	178832	20.0	20.1	
107 trans-1,4-Dichloro-2-butene	53	12.470	12.465	0.005	92	386123	100.0	99.2	
108 1,2,3-Trichloropropane	110	12.488	12.489	-0.001	81	69230	20.0	19.9	
109 N-Propylbenzene	91	12.531	12.532	-0.001	99	990833	20.0	21.2	
110 2-Chlorotoluene	126	12.610	12.611	-0.001	96	190503	20.0	20.9	
111 1,3,5-Trimethylbenzene	105	12.665	12.666	-0.001	94	701292	20.0	20.5	
112 4-Chlorotoluene	126	12.701	12.702	-0.001	98	191336	20.0	20.2	
113 tert-Butylbenzene	134	12.908	12.909	-0.001	92	146939	20.0	20.0	
114 Pentachloroethane	167	12.945	12.945	0.000	86	106967	20.0	22.6	
115 1,2,4-Trimethylbenzene	105	12.951	12.952	-0.001	97	706259	20.0	20.3	
116 sec-Butylbenzene	105	13.072	13.073	-0.001	94	902429	20.0	20.9	
117 1,3-Dichlorobenzene	146	13.176	13.171	0.005	97	353864	20.0	20.3	
118 4-Isopropyltoluene	119	13.176	13.177	-0.001	97	777026	20.0	21.1	
* 119 1,4-Dichlorobenzene-d4	152	13.231	13.231	0.000	95	512709	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.249	13.250	-0.001	93	358363	20.0	20.4	
121 1,2,3-Trimethylbenzene	105	13.255	13.256	-0.001	98	731075	20.0	21.0	
122 Benzyl chloride	91	13.322	13.323	-0.001	98	501058	20.0	20.0	
123 1,3-Diethylbenzene	119	13.377	13.377	0.000	95	447643	20.0	19.8	
124 p-Diethylbenzene	119	13.450	13.450	0.000	94	474625	20.0	20.1	
125 n-Butylbenzene	92	13.468	13.469	-0.001	98	378545	20.0	20.4	
126 1,2-Dichlorobenzene	146	13.504	13.505	-0.001	97	332192	20.0	20.2	
127 o-diethylbenzene	119	13.523	13.523	0.000	96	371525	20.0	19.9	
129 1,2-Dibromo-3-Chloropropane	75	14.052	14.047	0.005	84	57283	20.0	20.0	
130 1,3,5-Trichlorobenzene	180	14.180	14.174	0.006	97	231890	20.0	20.0	
131 1,2,4-Trichlorobenzene	180	14.599	14.600	-0.001	95	203254	20.0	19.7	
132 Hexachlorobutadiene	225	14.685	14.685	-0.001	98	82693	20.0	19.7	
133 Naphthalene	128	14.788	14.789	-0.001	97	739880	20.0	19.5	
134 1,2,3-Trichlorobenzene	180	14.934	14.935	-0.001	96	188354	20.0	19.5	
135 2-Methylnaphthalene	142	15.585	15.586	-0.001	92	381427	20.0	17.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_Q_QARC_00053	Amount Added:	50.00	Units: uL	
MSV_Q_QVOA1_00054	Amount Added:	50.00	Units: uL	
MSV_Q_QVOA6_00051	Amount Added:	50.00	Units: uL	
MSV_QCYC_00004	Amount Added:	50.00	Units: uL	
MSV_Q_ETOH_00007	Amount Added:	50.00	Units: uL	
MSV_DCFM_00054	Amount Added:	1.00	Units: uL	
MSV_502QGas_00115	Amount Added:	1.00	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

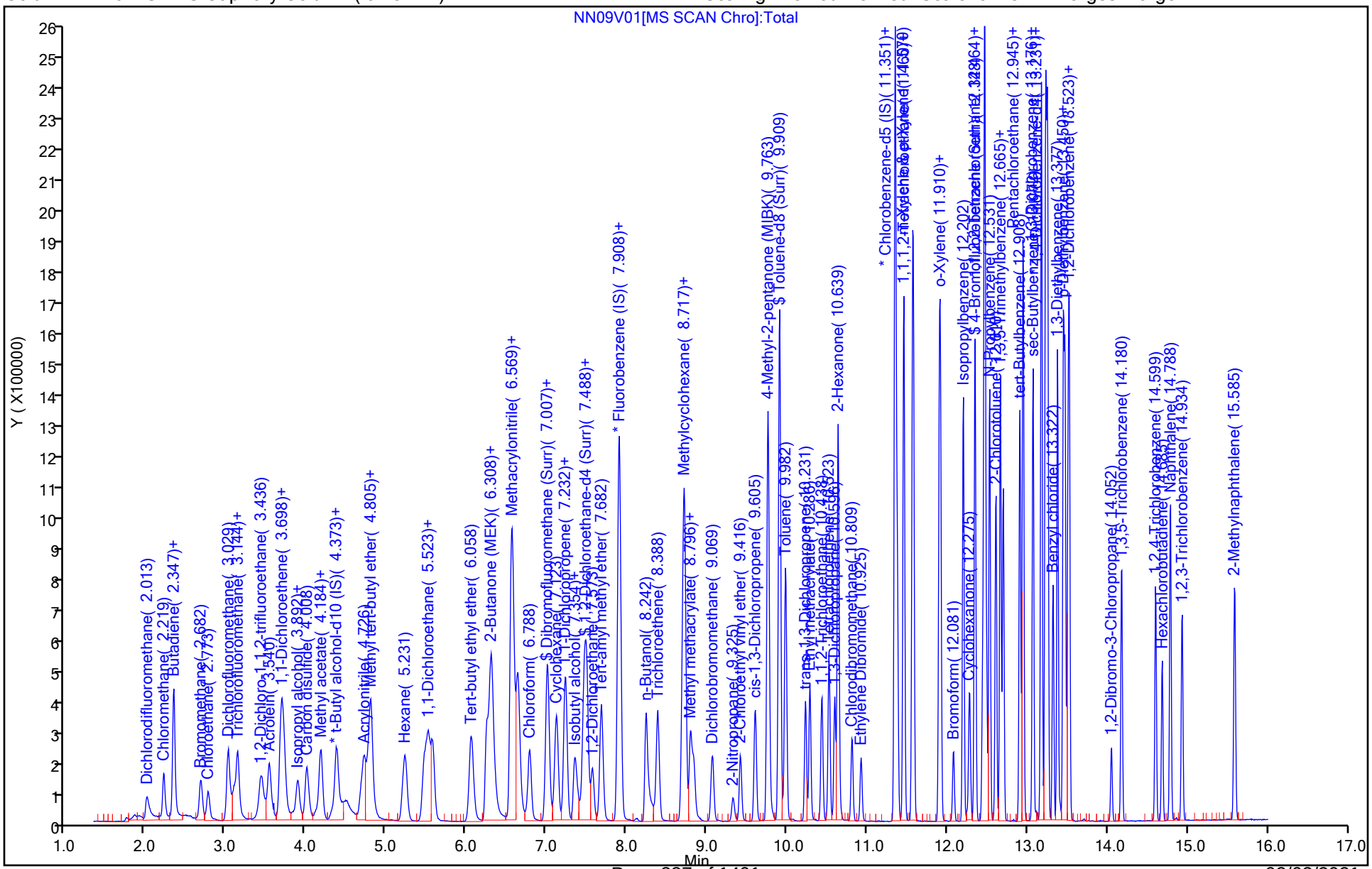
Report Date: 09-Nov-2020 17:37:33 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09V01.D

Injection Date:	09-Nov-2020 16:14:30	Instrument ID:	7159	Operator ID:	DVV10203
Lims ID:	ICV			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

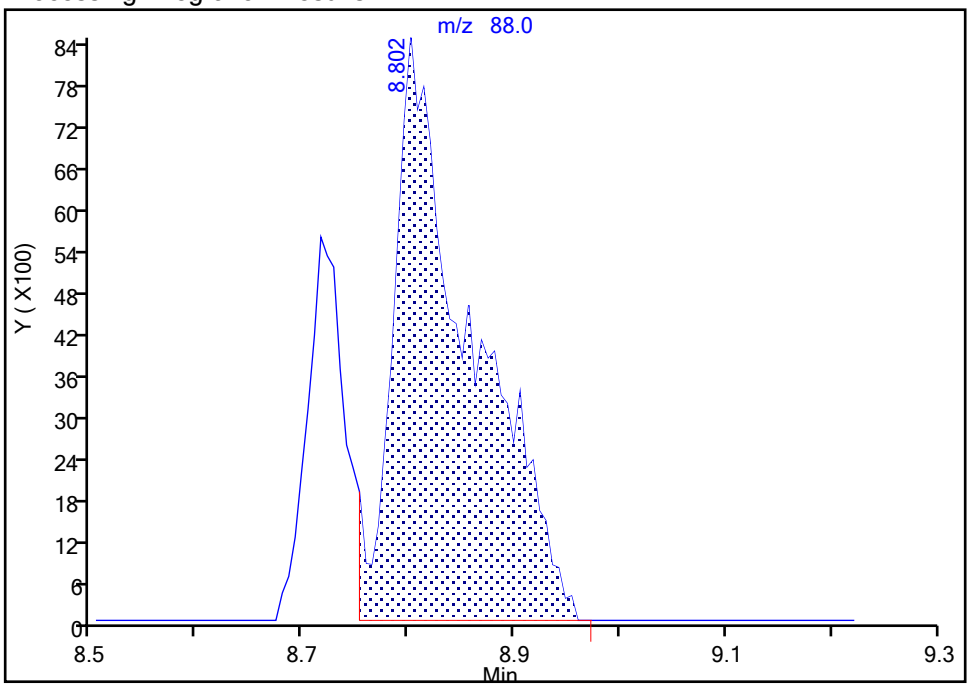
Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09V01.D
Injection Date: 09-Nov-2020 16:14:30 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: DVV10203 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

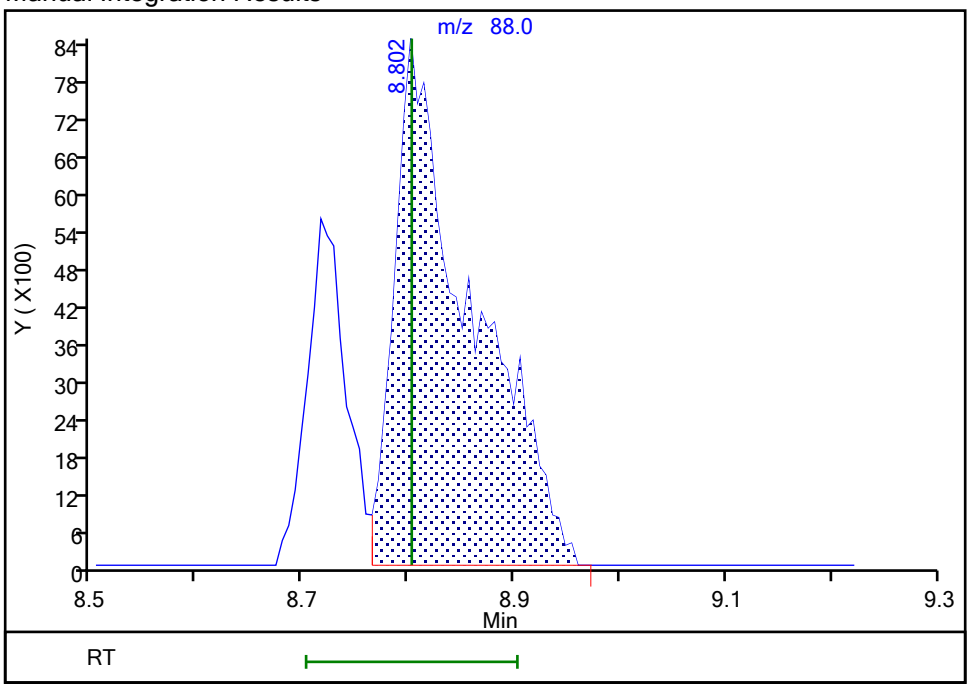
Processing Integration Results

RT: 8.80
Area: 43403
Amount: 487.8203
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 42424
Amount: 476.8170
Amount Units: ug/l



Reviewer: greenl, 09-Nov-2020 17:23:19
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82265/3 Calibration Date: 01/05/2021 19:39

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NJ05C35.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	0.2679	0.3189	0.1000	59.5	50.0	19.0	20.0
Chloromethane	Ave	0.3518	0.4014	0.1000	57.1	50.0	14.1	20.0
Vinyl chloride	Ave	0.3408	0.3520	0.1000	51.6	50.0	3.3	20.0
1,3-Butadiene	Ave	0.3208	0.3288		51.3	50.0	2.5	20.0
Bromomethane	Ave	0.2352	0.2515	0.1000	53.5	50.0	6.9	20.0
Chloroethane	Ave	0.2199	0.2447	0.1000	55.6	50.0	11.3	20.0
Trichlorofluoromethane	Ave	0.4215	0.4189	0.1000	49.7	50.0	-0.6	20.0
n-Pentane	Ave	0.4360	0.5388		61.8	50.0	23.6*	20.0
Ethanol	Ave	0.0730	0.0742		1270	1250	1.7	20.0
Freon 123a	Ave	0.3166	0.3106		49.0	50.0	-1.9	20.0
Acrolein	Ave	1.837	2.029		552	500	10.5	20.0
1,1-Dichloroethene	Ave	0.2476	0.2375	0.1000	48.0	50.0	-4.1	20.0
Acetone	Ave	0.7670	0.8258	0.1000	108	100	7.7	20.0
Freon 113	Ave	0.2420	0.2458	0.1000	50.8	50.0	1.6	20.0
2-Propanol	Ave	0.4577	0.4047		221	250	-11.6	20.0
Methyl iodide	Ave	0.4252	0.4139		48.7	50.0	-2.6	20.0
Carbon disulfide	Ave	0.8252	0.8195	0.1000	49.7	50.0	-0.7	20.0
Methyl acetate	Ave	0.2758	0.3366	0.1000	61.0	50.0	22.1*	20.0
Allyl chloride	Ave	0.4124	0.4716		57.2	50.0	14.4	20.0
Methylene Chloride	Ave	0.2824	0.2861	0.1000	50.7	50.0	1.3	20.0
t-Butyl alcohol	Ave	0.9890	0.998		252	250	1.0	20.0
Acrylonitrile	Ave	0.1446	0.1911		66.1	50.0	32.2*	20.0
Methyl tertiary butyl ether	Ave	0.9002	0.8810	0.1000	48.9	50.0	-2.1	20.0
trans-1,2-Dichloroethene	Ave	0.2818	0.2739	0.1000	48.6	50.0	-2.8	20.0
n-Hexane	Ave	0.4222	0.4846		57.4	50.0	14.8	20.0
1,1-Dichloroethane	Ave	0.5064	0.5121	0.2000	50.6	50.0	1.1	20.0
di-Isopropyl ether	Ave	0.8812	1.029		58.4	50.0	16.7	20.0
2-Chloro-1,3-butadiene	Ave	0.4668	0.4626		49.6	50.0	-0.9	20.0
Ethyl t-butyl ether	Ave	0.9046	0.9218		51.0	50.0	1.9	20.0
2-Butanone	Ave	0.2026	0.2532	0.1000	125	100	25.0*	20.0
cis-1,2-Dichloroethene	Ave	0.3256	0.3181	0.1000	48.9	50.0	-2.3	20.0
2,2-Dichloropropane	Ave	0.4645	0.4208		45.3	50.0	-9.4	20.0
Propionitrile	Ave	1.198	1.498		313	250	25.0*	20.0
Methacrylonitrile	Ave	0.1645	0.1887		143	125	14.7	20.0
Bromochloromethane	Ave	0.1506	0.1481		49.2	50.0	-1.7	20.0
Tetrahydrofuran	Ave	1.301	1.330		102	100	2.3	20.0
Chloroform	Ave	0.5008	0.4762	0.2000	47.5	50.0	-4.9	20.0
1,1,1-Trichloroethane	Ave	0.4523	0.4064	0.1000	44.9	50.0	-10.1	20.0
Cyclohexane	Ave	0.5072	0.5535	0.1000	54.6	50.0	9.1	20.0
1,1-Dichloropropene	Ave	0.4125	0.3992		48.4	50.0	-3.2	20.0
Carbon tetrachloride	Ave	0.3712	0.3380	0.1000	45.5	50.0	-8.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82265/3 Calibration Date: 01/05/2021 19:39

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NJ05C35.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
Isobutyl alcohol	Ave	0.3265	0.3912		749	625	19.8	20.0
Benzene	Ave	1.203	1.232	0.5000	51.2	50.0	2.3	20.0
1,2-Dichloroethane	Ave	0.4063	0.3528	0.1000	43.4	50.0	-13.2	20.0
t-Amyl methyl ether	Ave	0.8970	0.8899		49.6	50.0	-0.8	20.0
n-Heptane	Ave	0.4180	0.4805		57.5	50.0	14.9	20.0
n-Butanol	Ave	0.3014	0.3383		1400	1250	12.2	20.0
Trichloroethene	Ave	0.3053	0.2908	0.2000	47.6	50.0	-4.7	20.0
Methylcyclohexane	Ave	0.5550	0.5386	0.1000	48.5	50.0	-3.0	20.0
t-Amyl ethyl ether	Ave	0.4803	0.4767		49.6	50.0	-0.7	20.0
1,2-Dichloropropane	Ave	0.3020	0.3173	0.1000	52.5	50.0	5.1	20.0
Methyl methacrylate	Ave	0.2932	0.3032		51.7	50.0	3.4	20.0
1,4-Dioxane	Ave	0.0658	0.0646	0.0050	613	625	-1.9	20.0
Dibromomethane	Ave	0.1803	0.1744		48.4	50.0	-3.3	20.0
Bromodichloromethane	Ave	0.3838	0.3609	0.2000	47.0	50.0	-6.0	20.0
2-Nitropropane	Ave	2.474	2.226		90.0	100	-10.0	20.0
2-Chloroethyl vinyl ether	Ave	0.2291	0.2393		52.2	50.0	4.4	20.0
cis-1,3-Dichloropropene	Ave	0.5056	0.4859	0.2000	48.0	50.0	-3.9	20.0
4-Methyl-2-pentanone	Ave	0.4090	0.5223	0.1000	128	100	27.7*	20.0
Toluene	Ave	1.040	1.068	0.4000	51.4	50.0	2.7	20.0
trans-1,3-Dichloropropene	Ave	0.6135	0.5934	0.1000	48.4	50.0	-3.3	20.0
Ethyl methacrylate	Ave	0.6365	0.6693		52.6	50.0	5.2	20.0
1,1,2-Trichloroethane	Ave	0.3616	0.3655	0.1000	50.5	50.0	1.1	20.0
Tetrachloroethene	Ave	0.4626	0.4155	0.2000	44.9	50.0	-10.2	20.0
1,3-Dichloropropane	Ave	0.6301	0.6489		51.5	50.0	3.0	20.0
2-Hexanone	Ave	0.4220	0.5452	0.1000	129	100	29.2*	20.0
Dibromochloromethane	Ave	0.3794	0.3860		50.9	50.0	1.7	20.0
1,2-Dibromoethane	Ave	0.3743	0.3922	0.1000	52.4	50.0	4.8	20.0
1-Chlorohexane	Ave	0.6159	0.6075		49.3	50.0	-1.4	20.0
Chlorobenzene	Ave	1.125	1.113	0.5000	49.5	50.0	-1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3812	0.3825		50.2	50.0	0.3	20.0
Ethylbenzene	Ave	2.012	2.074	0.1000	51.5	50.0	3.0	20.0
m&p-Xylene	Ave	0.7888	0.8105	0.1000	103	100	2.8	20.0
o-Xylene	Ave	0.7676	0.8030	0.3000	52.3	50.0	4.6	20.0
Styrene	Ave	1.298	1.314	0.3000	50.6	50.0	1.2	20.0
Bromoform	Ave	0.2649	0.2795	0.1000	52.7	50.0	5.5	20.0
Isopropylbenzene	Ave	2.054	2.120	0.1000	51.6	50.0	3.2	20.0
Cyclohexanone	Ave	0.2691	0.2694		626	625	0.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.076	1.216	0.3000	56.5	50.0	13.1	20.0
Bromobenzene	Ave	0.8692	0.9168		52.7	50.0	5.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3794	0.3724		123	125	-1.8	20.0
1,2,3-Trichloropropane	Ave	0.3392	0.3671		54.1	50.0	8.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82265/3 Calibration Date: 01/05/2021 19:39

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NJ05C35.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
N-Propylbenzene	Ave	4.560	4.816		52.8	50.0	5.6	20.0
2-Chlorotoluene	Ave	0.8898	0.9278		52.1	50.0	4.3	20.0
1,3,5-Trimethylbenzene	Ave	3.334	3.462		51.9	50.0	3.8	20.0
4-Chlorotoluene	Ave	0.9215	0.9538		51.8	50.0	3.5	20.0
tert-Butylbenzene	Ave	0.7151	0.7194		50.3	50.0	0.6	20.0
Pentachloroethane	Ave	0.4607	0.5490		59.6	50.0	19.2	20.0
1,2,4-Trimethylbenzene	Ave	3.400	3.557		52.3	50.0	4.6	20.0
sec-Butylbenzene	Ave	4.201	4.380		52.1	50.0	4.3	20.0
1,3-Dichlorobenzene	Ave	1.697	1.786	0.6000	52.6	50.0	5.3	20.0
p-Isopropyltoluene	Ave	3.591	3.698		51.5	50.0	3.0	20.0
1,4-Dichlorobenzene	Ave	1.712	1.791	0.5000	52.3	50.0	4.6	20.0
1,2,3-Trimethylbenzene	Ave	3.390	3.382		49.9	50.0	-0.2	20.0
Benzyl chloride	Ave	2.439	2.588		53.0	50.0	6.1	20.0
1,3-Diethylbenzene	Ave	2.209	2.150		48.7	50.0	-2.7	20.0
1,4-Diethylbenzene	Ave	2.307	2.242		48.6	50.0	-2.8	20.0
n-Butylbenzene	Ave	1.811	1.877		51.8	50.0	3.6	20.0
1,2-Dichlorobenzene	Ave	1.606	1.670	0.4000	52.0	50.0	4.0	20.0
1,2-Diethylbenzene	Ave	1.823	1.765		48.4	50.0	-3.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2796	0.2964	0.0500	53.0	50.0	6.0	20.0
1,3,5-Trichlorobenzene	Ave	1.132	1.175		51.9	50.0	3.8	20.0
1,2,4-Trichlorobenzene	Ave	1.004	1.042	0.2000	51.9	50.0	3.7	20.0
Hexachlorobutadiene	Ave	0.4097	0.4336		52.9	50.0	5.8	20.0
Naphthalene	Ave	3.694	3.972		53.8	50.0	7.5	20.0
1,2,3-Trichlorobenzene	Ave	0.9437	0.9688		51.3	50.0	2.7	20.0
2-Methylnaphthalene	Ave	2.075	2.037		49.1	50.0	-1.8	20.0
Dibromofluoromethane (Surr)	Ave	0.2320	0.2254		48.6	50.0	-2.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0626	0.0631		50.4	50.0	0.8	20.0
Toluene-d8 (Surr)	Ave	1.341	1.345		50.2	50.0	0.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5229	0.4934		47.2	50.0	-5.6	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05C35.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Jan-2021 19:39:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019274-003
Misc. Info.: CCVIS
Operator ID: etp33087 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub6

Method: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jan-2021 22:04:25 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: proctore Date: 05-Jan-2021 20:30:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.025	2.025	0.000	100	376730	50.0	59.5	
6 Chloromethane	50	2.232	2.232	0.000	99	474263	50.0	57.1	
8 Vinyl chloride	62	2.353	2.353	0.000	99	415827	50.0	51.6	
9 Butadiene	39	2.359	2.359	0.000	91	388510	50.0	51.3	
10 Bromomethane	94	2.700	2.700	0.000	89	297182	50.0	53.5	
11 Chloroethane	64	2.791	2.791	0.000	100	289138	50.0	55.6	
13 Trichlorofluoromethane	101	3.102	3.102	0.000	99	494973	50.0	49.7	
15 Pentane	43	3.156	3.156	0.000	97	636541	50.0	61.8	
16 Ethanol	45	3.217	3.217	0.000	94	116953	1250.1	1270.8	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.455	3.455	0.000	94	366913	50.0	49.0	
18 Acrolein	56	3.546	3.546	0.000	100	1278801	500.0	552.4	
20 1,1-Dichloroethene	96	3.698	3.698	0.000	99	280595	50.0	48.0	
21 Acetone	58	3.722	3.722	0.000	90	104093	100.0	107.7	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.728	3.728	0.000	93	290363	50.0	50.8	
23 Isopropyl alcohol	45	3.880	3.880	0.000	98	127542	250.0	221.1	
24 Iodomethane	142	3.905	3.905	0.000	97	489034	50.0	48.7	
25 Carbon disulfide	76	4.014	4.014	0.000	99	968220	50.0	49.7	
26 Methyl acetate	43	4.160	4.160	0.000	98	397671	50.0	61.0	
27 3-Chloro-1-propene	41	4.191	4.191	0.000	94	557241	50.0	57.2	
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.373	0.000	0	315127	250.0	250.0	M
28 Methylene Chloride	84	4.385	4.385	0.000	94	338076	50.0	50.7	
31 2-Methyl-2-propanol	59	4.507	4.507	0.000	100	314653	250.0	252.4	
32 Acrylonitrile	53	4.726	4.726	0.000	100	225721	50.0	66.1	
33 Methyl tert-butyl ether	73	4.793	4.793	0.000	95	1040889	50.0	48.9	
34 trans-1,2-Dichloroethene	96	4.817	4.817	0.000	99	323633	50.0	48.6	
36 Hexane	57	5.243	5.243	0.000	93	572521	50.0	57.4	
37 1,1-Dichloroethane	63	5.474	5.474	0.000	96	605059	50.0	50.6	
39 Isopropyl ether	45	5.523	5.523	0.000	95	1215348	50.0	58.4	
40 2-Chloro-1,3-butadiene	53	5.584	5.584	0.000	91	546586	50.0	49.6	
41 Tert-butyl ethyl ether	59	6.064	6.064	0.000	98	1089112	50.0	51.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2-Butanone (MEK)	43	6.259	6.259	0.000	100	598397	100.0	125.0	
44 cis-1,2-Dichloroethene	96	6.308	6.308	0.000	84	375834	50.0	48.9	
45 2,2-Dichloropropane	77	6.326	6.326	0.000	88	497206	50.0	45.3	
46 Propionitrile	54	6.350	6.350	0.000	99	472139	250.0	312.5	
47 Methacrylonitrile	67	6.569	6.569	0.000	93	557217	125.0	143.3	
48 Chlorobromomethane	128	6.642	6.642	0.000	97	174984	50.0	49.2	
49 Tetrahydrofuran	71	6.648	6.648	0.000	85	167702	100.0	102.3	
50 Chloroform	83	6.788	6.788	0.000	93	562594	50.0	47.5	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.007	0.000	93	266338	50.0	48.6	
52 1,1,1-Trichloroethane	97	7.019	7.019	0.000	99	480178	50.0	44.9	
54 Cyclohexane	56	7.129	7.129	0.000	91	653939	50.0	54.6	
56 1,1-Dichloropropene	75	7.238	7.238	0.000	95	471614	50.0	48.4	
55 Carbon tetrachloride	117	7.238	7.238	0.000	94	399357	50.0	45.5	
58 Isobutyl alcohol	41	7.354	7.354	0.000	95	308159	625.0	748.8	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.470	7.470	0.000	97	74546	50.0	50.4	
60 Benzene	78	7.500	7.500	0.000	96	1455123	50.0	51.2	
61 1,2-Dichloroethane	62	7.573	7.573	0.000	97	416780	50.0	43.4	
62 Tert-amyl methyl ether	73	7.683	7.683	0.000	98	1051449	50.0	49.6	
* 64 Fluorobenzene (IS)	96	7.902	7.902	0.000	98	1181473	50.0	50.0	
65 n-Heptane	43	7.914	7.914	0.000	93	567724	50.0	57.5	
66 n-Butanol	56	8.242	8.242	0.000	88	533025	1250.0	1403.1	
67 Trichloroethene	95	8.382	8.382	0.000	99	343562	50.0	47.6	
68 Methylcyclohexane	83	8.699	8.699	0.000	95	636312	50.0	48.5	
69 2-ethoxy-2-methyl butane	87	8.717	8.717	0.000	96	563198	50.0	49.6	
70 1,2-Dichloropropane	63	8.723	8.723	0.000	69	374894	50.0	52.5	
71 Methyl methacrylate	69	8.790	8.790	0.000	92	358255	50.0	51.7	
72 1,4-Dioxane	88	8.796	8.796	0.000	30	50888	625.0	613.4	M
74 Dibromomethane	93	8.832	8.832	0.000	97	205994	50.0	48.4	
75 Dichlorobromomethane	83	9.064	9.064	0.000	100	426415	50.0	47.0	
77 2-Nitropropane	41	9.319	9.319	0.000	98	280588	100.0	90.0	
78 2-Chloroethyl vinyl ether	63	9.410	9.410	0.000	92	282744	50.0	52.2	
79 cis-1,3-Dichloropropene	75	9.599	9.599	0.000	96	574023	50.0	48.0	
80 4-Methyl-2-pentanone (MIBK)	43	9.757	9.757	0.000	97	1234135	100.0	127.7	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1150574	50.0	50.2	
82 Toluene	92	9.976	9.976	0.000	98	913431	50.0	51.4	
84 trans-1,3-Dichloropropene	75	10.226	10.226	0.000	93	507442	50.0	48.4	
85 Ethyl methacrylate	69	10.280	10.280	0.000	90	572361	50.0	52.6	
86 1,1,2-Trichloroethane	97	10.432	10.432	0.000	90	312566	50.0	50.5	
87 Tetrachloroethene	166	10.524	10.524	0.000	98	355330	50.0	44.9	
88 1,3-Dichloropropane	76	10.591	10.591	0.000	91	554895	50.0	51.5	
89 2-Hexanone	43	10.633	10.633	0.000	96	932488	100.0	129.2	
90 Chlorodibromomethane	129	10.810	10.810	0.000	90	330061	50.0	50.9	
91 Ethylene Dibromide	107	10.919	10.919	0.000	98	335378	50.0	52.4	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	855160	50.0	50.0	
94 1-Chlorohexane	91	11.351	11.351	0.000	98	519513	50.0	49.3	
95 Chlorobenzene	112	11.369	11.369	0.000	94	951783	50.0	49.5	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	96	327099	50.0	50.2	
97 Ethylbenzene	91	11.454	11.454	0.000	98	1773195	50.0	51.5	
98 m-Xylene & p-Xylene	106	11.570	11.570	0.000	99	1386208	100.0	102.8	
99 o-Xylene	106	11.898	11.898	0.000	96	686717	50.0	52.3	
100 Styrene	104	11.911	11.911	0.000	95	1123586	50.0	50.6	
101 Bromoform	173	12.069	12.069	0.000	97	238975	50.0	52.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 Isopropylbenzene	105	12.197	12.197	0.000	96	1812802	50.0	51.6	
103 Cyclohexanone	55	12.270	12.270	0.000	92	212225	625.0	625.7	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.343	0.000	88	421930	50.0	47.2	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	93	531655	50.0	56.5	
106 Bromobenzene	156	12.458	12.458	0.000	97	400850	50.0	52.7	
107 trans-1,4-Dichloro-2-butene	53	12.464	12.464	0.000	88	407034	125.0	122.7	
108 1,2,3-Trichloropropane	110	12.483	12.483	0.000	83	160505	50.0	54.1	
109 N-Propylbenzene	91	12.525	12.525	0.000	99	2105691	50.0	52.8	
110 2-Chlorotoluene	126	12.604	12.604	0.000	96	405634	50.0	52.1	
111 1,3,5-Trimethylbenzene	105	12.659	12.659	0.000	94	1513580	50.0	51.9	
112 4-Chlorotoluene	126	12.695	12.695	0.000	97	417012	50.0	51.8	
113 tert-Butylbenzene	134	12.902	12.902	0.000	93	314513	50.0	50.3	
114 Pentachloroethane	167	12.939	12.939	0.000	90	240014	50.0	59.6	
115 1,2,4-Trimethylbenzene	105	12.945	12.945	0.000	97	1555124	50.0	52.3	
116 sec-Butylbenzene	105	13.067	13.067	0.000	94	1914910	50.0	52.1	
117 1,3-Dichlorobenzene	146	13.170	13.170	0.000	98	780750	50.0	52.6	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	1616578	50.0	51.5	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	437208	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.243	13.243	0.000	94	783137	50.0	52.3	
121 1,2,3-Trimethylbenzene	105	13.249	13.249	0.000	98	1478600	50.0	49.9	
122 Benzyl chloride	91	13.316	13.316	0.000	98	1131311	50.0	53.0	
123 1,3-Diethylbenzene	119	13.371	13.371	0.000	95	939901	50.0	48.7	
124 p-Diethylbenzene	119	13.444	13.444	0.000	96	980240	50.0	48.6	
125 n-Butylbenzene	92	13.462	13.462	0.000	98	820479	50.0	51.8	
126 1,2-Dichlorobenzene	146	13.505	13.505	0.000	98	730339	50.0	52.0	
127 o-diethylbenzene	119	13.517	13.517	0.000	95	771707	50.0	48.4	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	86	129571	50.0	53.0	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	97	513760	50.0	51.9	
131 1,2,4-Trichlorobenzene	180	14.600	14.600	0.000	94	455379	50.0	51.9	
132 Hexachlorobutadiene	225	14.679	14.679	0.000	98	189569	50.0	52.9	
133 Naphthalene	128	14.782	14.782	0.000	97	1736645	50.0	53.8	
134 1,2,3-Trichlorobenzene	180	14.928	14.928	0.000	96	423571	50.0	51.3	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	93	890641	50.0	49.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_V_VOA1_00122	Amount Added:	5.00	Units: uL	
MSV_V_VOA3_00062	Amount Added:	2.00	Units: uL	
MSV_VCYC_00005	Amount Added:	10.00	Units: uL	
MSV_V_ETOH_00011	Amount Added:	10.00	Units: uL	
MSV_V_Gas_00193	Amount Added:	2.50	Units: uL	
MSV_V_VOA6_00068	Amount Added:	5.00	Units: uL	
MSV_V_2CEVE_00134	Amount Added:	5.00	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 05-Jan-2021 22:04:28 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05C35.D

Injection Date: 05-Jan-2021 19:39:30 Instrument ID: 7159 Operator ID: etp33087

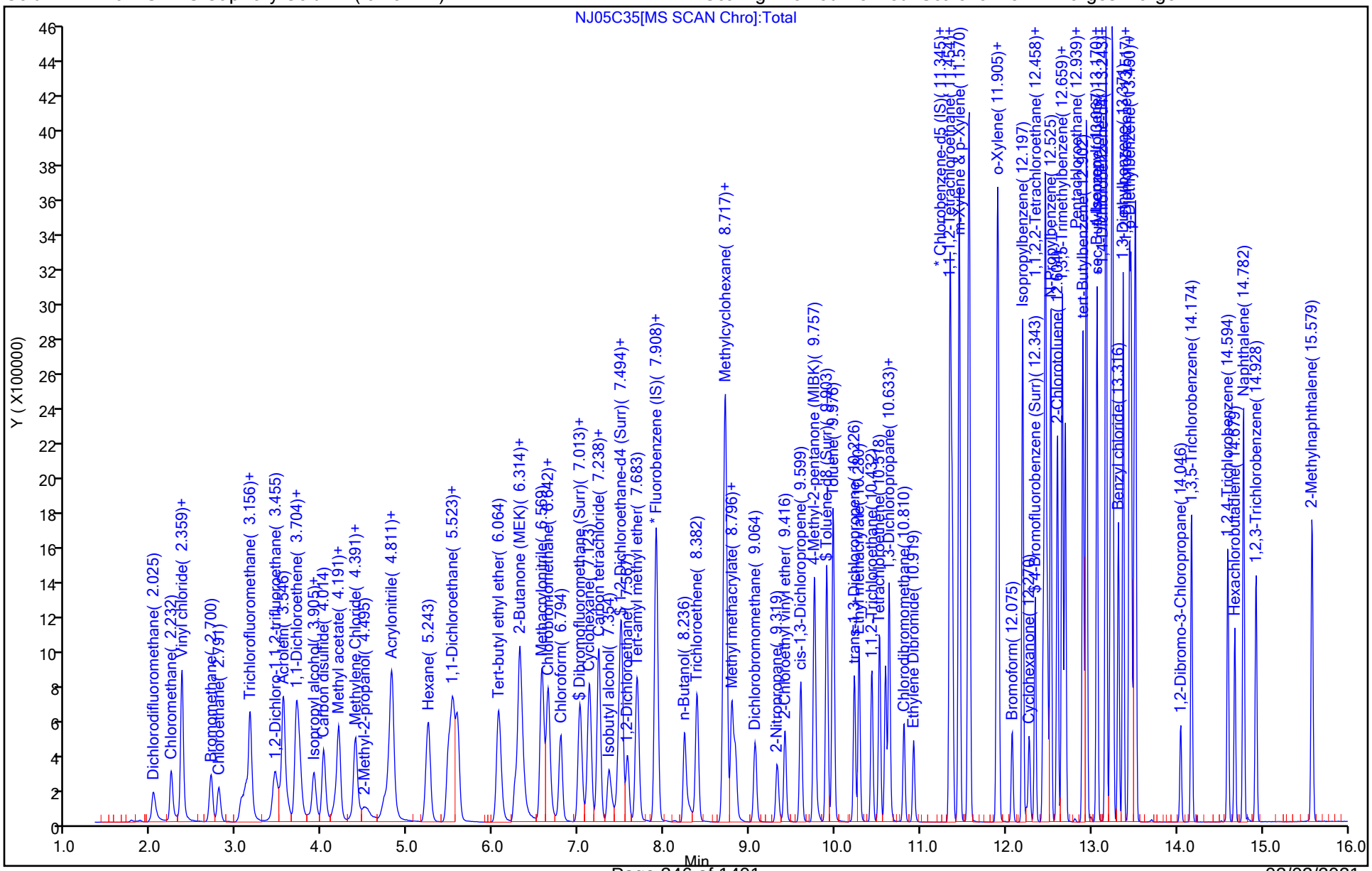
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

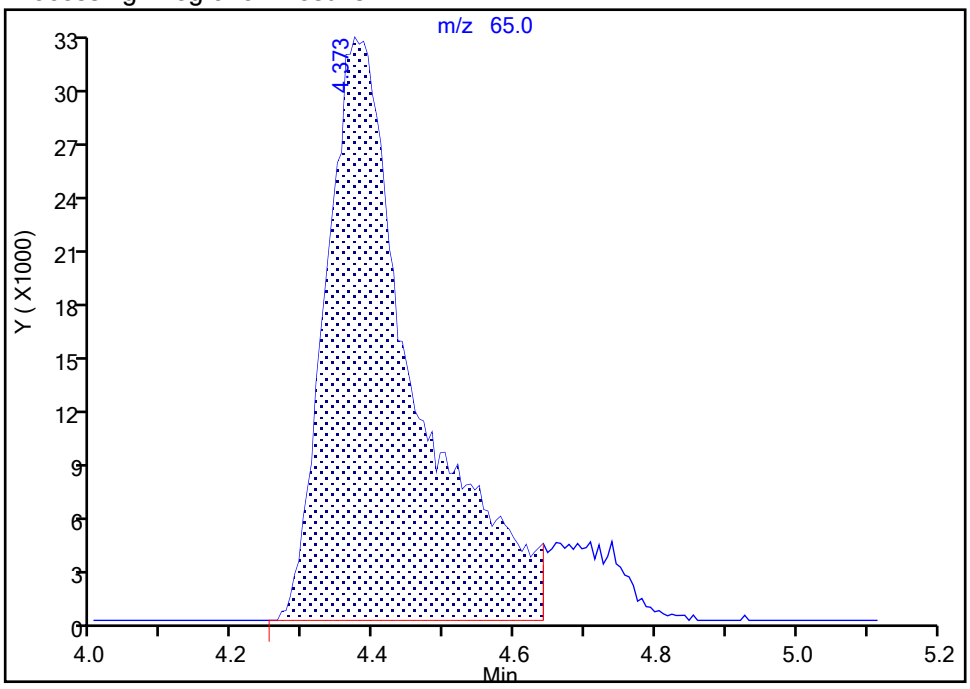
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Injection Date: 05-Jan-2021 19:39:30 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: etp33087 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

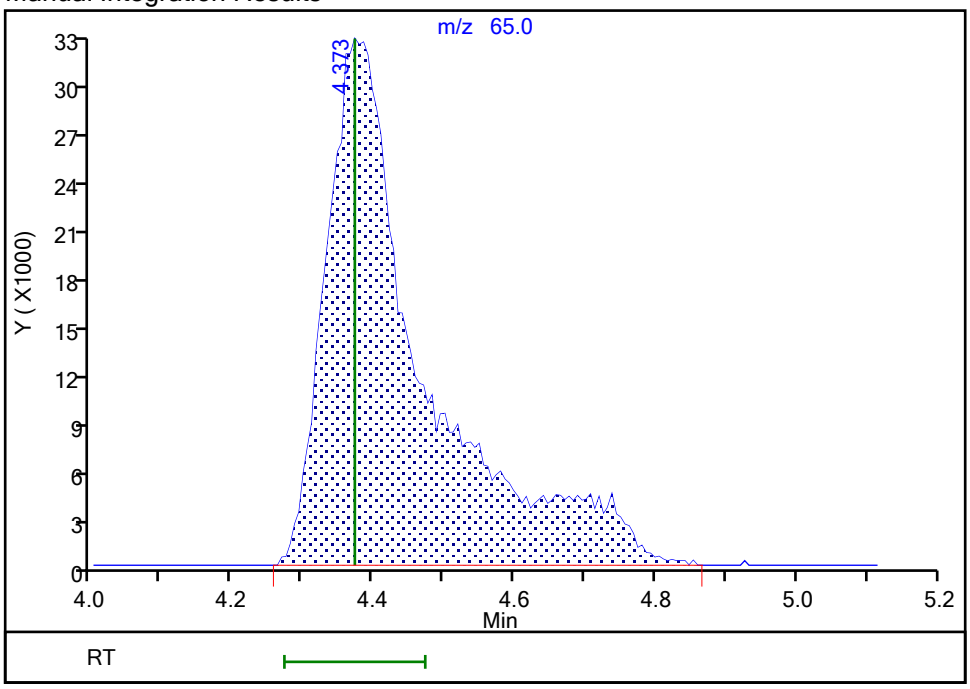
Processing Integration Results

RT: 4.37
Area: 284688
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Area: 315127
Amount: 250.0000
Amount Units: ug/l



Reviewer: proctore, 05-Jan-2021 20:05:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

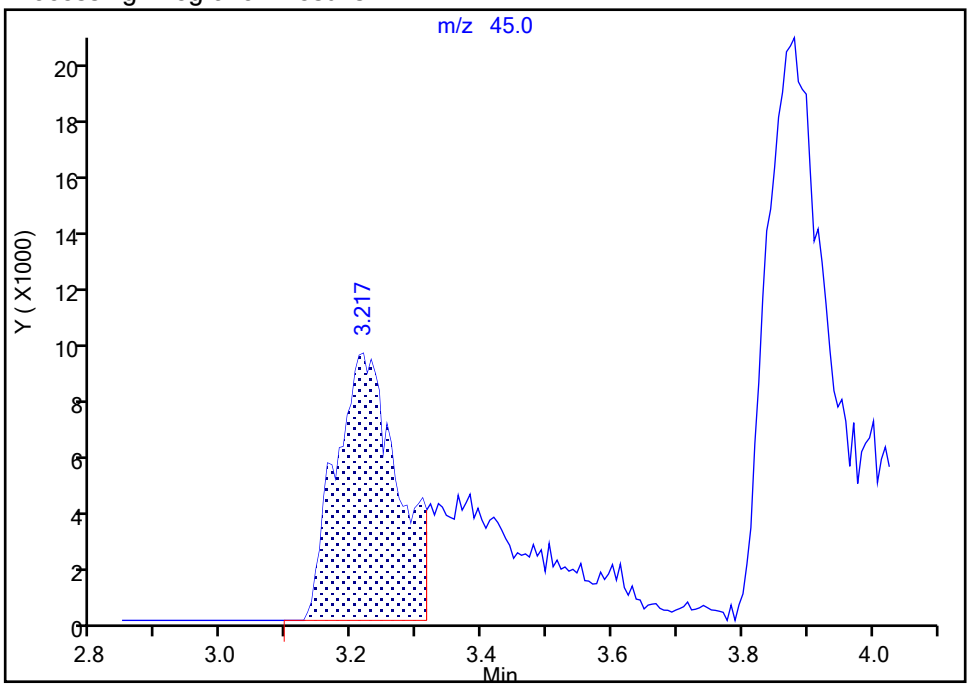
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Injection Date: 05-Jan-2021 19:39:30 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: etp33087 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

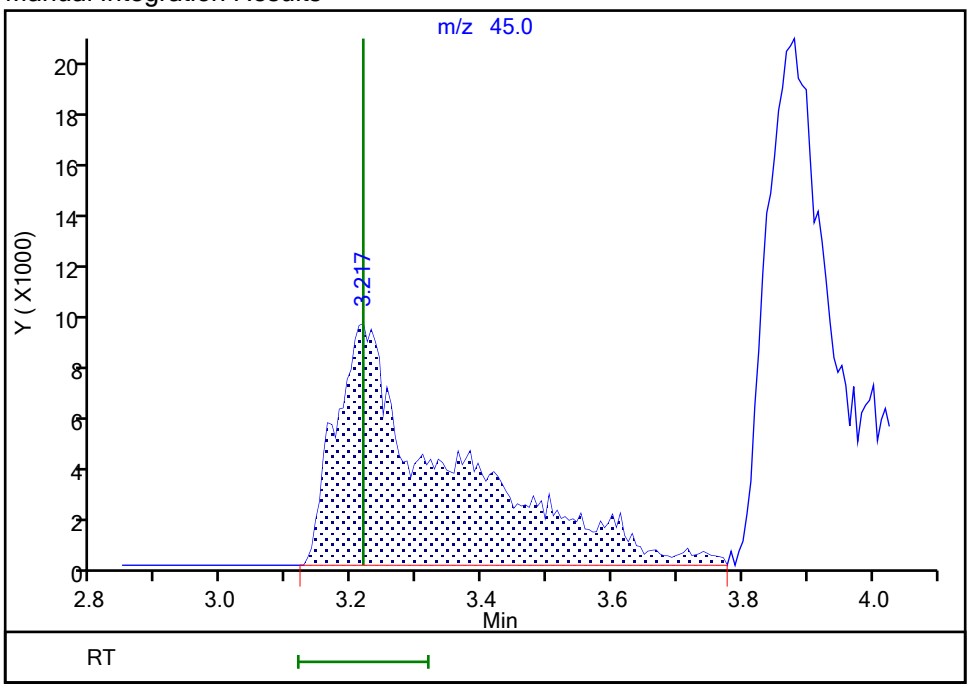
Processing Integration Results

RT: 3.22
Area: 63242
Amount: 760.6548
Amount Units: ug/l



Manual Integration Results

RT: 3.22
Area: 116953
Amount: 1270.7992
Amount Units: ug/l



Reviewer: proctore, 05-Jan-2021 20:04:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

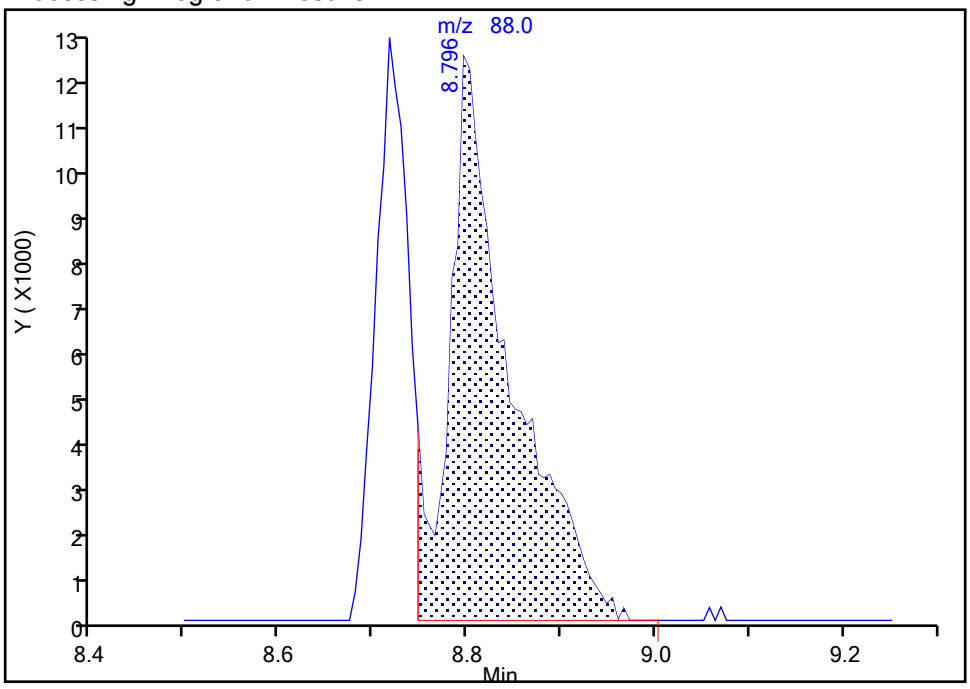
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Injection Date: 05-Jan-2021 19:39:30 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: etp33087 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

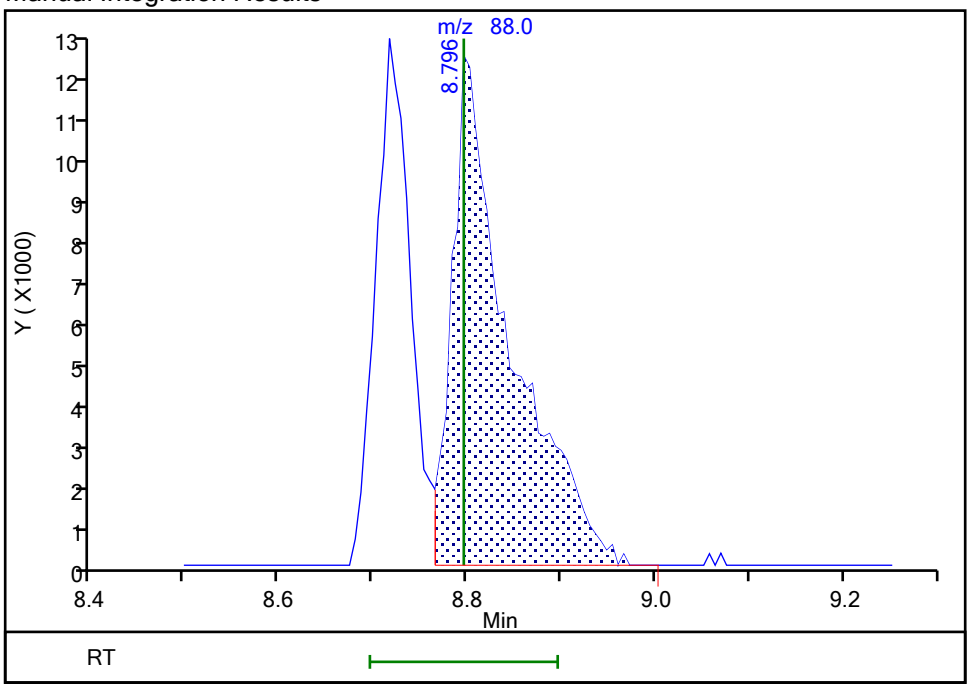
Processing Integration Results

RT: 8.80
Area: 53900
Amount: 649.6589
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 50888
Amount: 613.3552
Amount Units: ug/l



Reviewer: proctore, 05-Jan-2021 20:05:44
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82360/3 Calibration Date: 01/06/2021 08:27

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NJ06C01.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	0.2679	0.3243	0.1000	60.5	50.0	21.1*	20.0
Chloromethane	Ave	0.3518	0.4023	0.1000	57.2	50.0	14.4	20.0
1,3-Butadiene	Ave	0.3208	0.4380		68.3	50.0	36.6*	20.0
Vinyl chloride	Ave	0.3408	0.3649	0.1000	53.5	50.0	7.1	20.0
Bromomethane	Ave	0.2352	0.2475	0.1000	52.6	50.0	5.2	20.0
Chloroethane	Ave	0.2199	0.2443	0.1000	55.5	50.0	11.1	20.0
Dichlorofluoromethane	Ave	0.5185	0.3779		36.4	50.0	-27.1*	20.0
Trichlorofluoromethane	Ave	0.4215	0.4315	0.1000	51.2	50.0	2.4	20.0
n-Pentane	Ave	0.4360	0.6060		69.5	50.0	39.0*	20.0
Ethanol	Ave	0.0730	0.0656		1120	1250	-10.1	20.0
Freon 123a	Ave	0.3166	0.3402		53.7	50.0	7.4	20.0
Acrolein	Ave	1.837	2.311		629	500	25.8*	20.0
1,1-Dichloroethene	Ave	0.2476	0.2607	0.1000	52.6	50.0	5.3	20.0
Acetone	Ave	0.7670	1.097	0.1000	143	100	43.1*	20.0
Freon 113	Ave	0.2420	0.2777	0.1000	57.4	50.0	14.8	20.0
2-Propanol	Ave	0.4577	0.3309		181	250	-27.7*	20.0
Methyl iodide	Ave	0.4252	0.4486		52.8	50.0	5.5	20.0
Carbon disulfide	Ave	0.8252	0.9001	0.1000	54.5	50.0	9.1	20.0
Methyl acetate	Ave	0.2758	0.3298	0.1000	59.8	50.0	19.6	20.0
Allyl chloride	Ave	0.4124	0.5122		62.1	50.0	24.2*	20.0
Methylene Chloride	Ave	0.2824	0.2963	0.1000	52.5	50.0	4.9	20.0
t-Butyl alcohol	Ave	0.9890	1.079		273	250	9.2	20.0
Acrylonitrile	Ave	0.1446	0.1714		59.3	50.0	18.6	20.0
Methyl tertiary butyl ether	Ave	0.9002	0.9039	0.1000	50.2	50.0	0.4	20.0
trans-1,2-Dichloroethene	Ave	0.2818	0.2988	0.1000	53.0	50.0	6.0	20.0
n-Hexane	Ave	0.4222	0.5479		64.9	50.0	29.8*	20.0
1,1-Dichloroethane	Ave	0.5064	0.5453	0.2000	53.8	50.0	7.7	20.0
di-Isopropyl ether	Ave	0.8812	1.076		61.1	50.0	22.1*	20.0
2-Chloro-1,3-butadiene	Ave	0.4668	0.4937		52.9	50.0	5.8	20.0
Ethyl t-butyl ether	Ave	0.9046	0.9543		52.7	50.0	5.5	20.0
2-Butanone	Ave	0.2026	0.2437	0.1000	120	100	20.3*	20.0
cis-1,2-Dichloroethene	Ave	0.3256	0.3389	0.1000	52.1	50.0	4.1	20.0
2,2-Dichloropropane	Ave	0.4645	0.4563		49.1	50.0	-1.8	20.0
Propionitrile	Ave	1.198	1.744		364	250	45.5*	20.0
Methacrylonitrile	Ave	0.1645	0.1904		145	125	15.7	20.0
Bromochloromethane	Ave	0.1506	0.1579		52.4	50.0	4.8	20.0
Tetrahydrofuran	Ave	1.301	1.655		127	100	27.2*	20.0
Chloroform	Ave	0.5008	0.5111	0.2000	51.0	50.0	2.1	20.0
1,1,1-Trichloroethane	Ave	0.4523	0.4391	0.1000	48.5	50.0	-2.9	20.0
Cyclohexane	Ave	0.5072	0.6347	0.1000	62.6	50.0	25.1*	20.0
1,1-Dichloropropene	Ave	0.4125	0.4304		52.2	50.0	4.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82360/3 Calibration Date: 01/06/2021 08:27

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NJ06C01.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
Carbon tetrachloride	Ave	0.3712	0.3700	0.1000	49.8	50.0	-0.3	20.0
Isobutyl alcohol	Ave	0.3265	0.3998		765	625	22.5*	20.0
Benzene	Ave	1.203	1.309	0.5000	54.4	50.0	8.8	20.0
1,2-Dichloroethane	Ave	0.4063	0.3653	0.1000	45.0	50.0	-10.1	20.0
t-Amyl methyl ether	Ave	0.8970	0.9388		52.3	50.0	4.7	20.0
n-Heptane	Ave	0.4180	0.5450		65.2	50.0	30.4*	20.0
n-Butanol	Ave	0.3014	0.3280		1360	1250	8.8	20.0
Trichloroethene	Ave	0.3053	0.3111	0.2000	51.0	50.0	1.9	20.0
Methylcyclohexane	Ave	0.5550	0.6275	0.1000	56.5	50.0	13.1	20.0
1,2-Dichloropropane	Ave	0.3020	0.3368	0.1000	55.8	50.0	11.5	20.0
t-Amyl ethyl ether	Ave	0.4803	0.4989		51.9	50.0	3.9	20.0
Methyl methacrylate	Ave	0.2932	0.3116		53.1	50.0	6.3	20.0
1,4-Dioxane	Ave	0.0658	0.0495	0.0050	470	625	-24.7*	20.0
Dibromomethane	Ave	0.1803	0.1831		50.8	50.0	1.6	20.0
Bromodichloromethane	Ave	0.3838	0.3822	0.2000	49.8	50.0	-0.4	20.0
2-Nitropropane	Ave	2.474	2.892		117	100	16.9	20.0
2-Chloroethyl vinyl ether	Ave	0.2291	0.2444		53.3	50.0	6.7	20.0
cis-1,3-Dichloropropene	Ave	0.5056	0.5118	0.2000	50.6	50.0	1.2	20.0
4-Methyl-2-pentanone	Ave	0.4090	0.5065	0.1000	124	100	23.8*	20.0
Toluene	Ave	1.040	1.136	0.4000	54.7	50.0	9.3	20.0
trans-1,3-Dichloropropene	Ave	0.6135	0.6300	0.1000	51.3	50.0	2.7	20.0
Ethyl methacrylate	Ave	0.6365	0.6985		54.9	50.0	9.7	20.0
1,1,2-Trichloroethane	Ave	0.3616	0.3834	0.1000	53.0	50.0	6.0	20.0
Tetrachloroethene	Ave	0.4626	0.4574	0.2000	49.4	50.0	-1.1	20.0
1,3-Dichloropropane	Ave	0.6301	0.6840		54.3	50.0	8.6	20.0
2-Hexanone	Ave	0.4220	0.5351	0.1000	127	100	26.8*	20.0
Dibromochloromethane	Ave	0.3794	0.4030		53.1	50.0	6.2	20.0
1,2-Dibromoethane	Ave	0.3743	0.4080	0.1000	54.5	50.0	9.0	20.0
1-Chlorohexane	Ave	0.6159	0.6613		53.7	50.0	7.4	20.0
Chlorobenzene	Ave	1.125	1.194	0.5000	53.1	50.0	6.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3812	0.4072		53.4	50.0	6.8	20.0
Ethylbenzene	Ave	2.012	2.200	0.1000	54.7	50.0	9.3	20.0
m&p-Xylene	Ave	0.7888	0.8522	0.1000	108	100	8.0	20.0
o-Xylene	Ave	0.7676	0.8475	0.3000	55.2	50.0	10.4	20.0
Styrene	Ave	1.298	1.417	0.3000	54.6	50.0	9.1	20.0
Bromoform	Ave	0.2649	0.2910	0.1000	54.9	50.0	9.8	20.0
Isopropylbenzene	Ave	2.054	2.226	0.1000	54.2	50.0	8.4	20.0
Cyclohexanone	Ave	0.2691	0.2523		586	625	-6.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.076	1.192	0.3000	55.4	50.0	10.8	20.0
Bromobenzene	Ave	0.8692	0.9689		55.7	50.0	11.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3794	0.2900		95.6	125	-23.6*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82360/3 Calibration Date: 01/06/2021 08:27

Instrument ID: 7159 Calib Start Date: 11/09/2020 13:40

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 11/09/2020 15:52

Lab File ID: NJ06C01.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
1,2,3-Trichloropropane	Ave	0.3392	0.3645		53.7	50.0	7.4	20.0
N-Propylbenzene	Ave	4.560	5.053		55.4	50.0	10.8	20.0
2-Chlorotoluene	Ave	0.8898	0.9819		55.2	50.0	10.3	20.0
1,3,5-Trimethylbenzene	Ave	3.334	3.576		53.6	50.0	7.3	20.0
4-Chlorotoluene	Ave	0.9215	1.007		54.6	50.0	9.2	20.0
tert-Butylbenzene	Ave	0.7151	0.7479		52.3	50.0	4.6	20.0
Pentachloroethane	Ave	0.4607	0.5563		60.4	50.0	20.8*	20.0
1,2,4-Trimethylbenzene	Ave	3.400	3.638		53.5	50.0	7.0	20.0
sec-Butylbenzene	Ave	4.201	4.605		54.8	50.0	9.6	20.0
1,3-Dichlorobenzene	Ave	1.697	1.857	0.6000	54.7	50.0	9.5	20.0
p-Isopropyltoluene	Ave	3.591	3.875		54.0	50.0	7.9	20.0
1,4-Dichlorobenzene	Ave	1.712	1.870	0.5000	54.6	50.0	9.2	20.0
1,2,3-Trimethylbenzene	Ave	3.390	3.475		51.3	50.0	2.5	20.0
Benzyl chloride	Ave	2.439	2.638		54.1	50.0	8.2	20.0
1,3-Diethylbenzene	Ave	2.209	2.269		51.4	50.0	2.7	20.0
1,4-Diethylbenzene	Ave	2.307	2.344		50.8	50.0	1.6	20.0
n-Butylbenzene	Ave	1.811	1.968		54.3	50.0	8.7	20.0
1,2-Dichlorobenzene	Ave	1.606	1.732	0.4000	53.9	50.0	7.8	20.0
1,2-Diethylbenzene	Ave	1.823	1.842		50.5	50.0	1.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2796	0.2792	0.0500	49.9	50.0	-0.2	20.0
1,3,5-Trichlorobenzene	Ave	1.132	1.217		53.8	50.0	7.5	20.0
1,2,4-Trichlorobenzene	Ave	1.004	1.072	0.2000	53.4	50.0	6.8	20.0
Hexachlorobutadiene	Ave	0.4097	0.4587		56.0	50.0	12.0	20.0
Naphthalene	Ave	3.694	3.948		53.4	50.0	6.9	20.0
1,2,3-Trichlorobenzene	Ave	0.9437	0.9948		52.7	50.0	5.4	20.0
2-Methylnaphthalene	Ave	2.075	2.027		48.8	50.0	-2.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2320	0.2245		48.4	50.0	-3.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0626	0.0621		49.6	50.0	-0.8	20.0
Toluene-d8 (Surr)	Ave	1.341	1.341		50.0	50.0	0.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5229	0.4987		47.7	50.0	-4.6	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06C01.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Jan-2021 08:27:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-003
Misc. Info.: CCVIS
Operator ID: lcp00895 Instrument ID: 7159
Sublist: chrom-MSVoa_7159*sub5

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 12:51:09 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 12:51:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.013	2.013	0.000	99	373654	50.0	60.5	
6 Chloromethane	50	2.225	2.225	0.000	100	463502	50.0	57.2	
8 Vinyl chloride	62	2.347	2.347	0.000	84	420388	50.0	53.5	
9 Butadiene	39	2.347	2.347	0.000	91	504657	50.0	68.3	
10 Bromomethane	94	2.688	2.688	0.000	89	285166	50.0	52.6	
11 Chloroethane	64	2.779	2.779	0.000	100	281449	50.0	55.5	
12 Dichlorofluoromethane	67	3.028	3.028	0.000	98	435442	50.0	36.4	
13 Trichlorofluoromethane	101	3.095	3.095	0.000	98	497186	50.0	51.2	
15 Pentane	43	3.144	3.144	0.000	96	698240	50.0	69.5	
16 Ethanol	45	3.223	3.223	0.000	93	75135	1250.1	1123.3	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.442	3.442	0.000	93	391935	50.0	53.7	
18 Acrolein	56	3.539	3.539	0.000	99	1058564	500.0	629.1	
20 1,1-Dichloroethene	96	3.685	3.685	0.000	99	300365	50.0	52.6	
21 Acetone	58	3.710	3.710	0.000	65	100542	100.0	143.1	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.716	3.716	0.000	93	319980	50.0	57.4	
23 Isopropyl alcohol	45	3.868	3.868	0.000	96	75779	250.0	180.7	
24 Iodomethane	142	3.892	3.892	0.000	98	516900	50.0	52.8	
25 Carbon disulfide	76	4.008	4.008	0.000	99	1037032	50.0	54.5	
26 Methyl acetate	43	4.154	4.154	0.000	98	379946	50.0	59.8	
27 3-Chloro-1-propene	41	4.184	4.184	0.000	94	590187	50.0	62.1	
* 29 t-Butyl alcohol-d10 (IS)	65	4.367	4.367	0.000	0	229029	250.0	250.0	
28 Methylene Chloride	84	4.379	4.379	0.000	94	341385	50.0	52.5	
31 2-Methyl-2-propanol	59	4.501	4.501	0.000	30	247233	250.0	272.9	M
32 Acrylonitrile	53	4.714	4.714	0.000	99	197517	50.0	59.3	
33 Methyl tert-butyl ether	73	4.781	4.781	0.000	95	1041411	50.0	50.2	
34 trans-1,2-Dichloroethene	96	4.805	4.805	0.000	99	344213	50.0	53.0	
36 Hexane	57	5.231	5.231	0.000	93	631261	50.0	64.9	
37 1,1-Dichloroethane	63	5.468	5.468	0.000	96	628259	50.0	53.8	
39 Isopropyl ether	45	5.517	5.517	0.000	95	1240006	50.0	61.1	
40 2-Chloro-1,3-butadiene	53	5.577	5.577	0.000	91	568793	50.0	52.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.058	6.058	0.000	98	1099517	50.0	52.7	
43 2-Butanone (MEK)	43	6.253	6.253	0.000	100	561562	100.0	120.3	
44 cis-1,2-Dichloroethene	96	6.301	6.301	0.000	83	390499	50.0	52.1	
45 2,2-Dichloropropane	77	6.320	6.320	0.000	87	525754	50.0	49.1	
46 Propionitrile	54	6.344	6.344	0.000	99	399349	250.0	363.7	
47 Methacrylonitrile	67	6.563	6.563	0.000	92	548458	125.0	144.7	
48 Chlorobromomethane	128	6.636	6.636	0.000	97	181931	50.0	52.4	
49 Tetrahydrofuran	71	6.636	6.636	0.000	83	151631	100.0	127.2	
50 Chloroform	83	6.782	6.782	0.000	94	588896	50.0	51.0	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	94	258688	50.0	48.4	
52 1,1,1-Trichloroethane	97	7.019	7.019	0.000	98	505963	50.0	48.5	
54 Cyclohexane	56	7.117	7.117	0.000	91	731281	50.0	62.6	
56 1,1-Dichloropropene	75	7.232	7.232	0.000	96	495905	50.0	52.2	
55 Carbon tetrachloride	117	7.232	7.232	0.000	84	426243	50.0	49.8	
58 Isobutyl alcohol	41	7.354	7.354	0.000	97	228928	625.0	765.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	71526	50.0	49.6	
60 Benzene	78	7.494	7.494	0.000	96	1507946	50.0	54.4	
61 1,2-Dichloroethane	62	7.567	7.567	0.000	97	420930	50.0	45.0	
62 Tert-amyl methyl ether	73	7.682	7.682	0.000	99	1081681	50.0	52.3	
* 64 Fluorobenzene (IS)	96	7.901	7.901	0.000	99	1152162	50.0	50.0	
65 n-Heptane	43	7.907	7.907	0.000	93	627944	50.0	65.2	
66 n-Butanol	56	8.242	8.242	0.000	88	375616	1250.0	1360.4	
67 Trichloroethene	95	8.376	8.376	0.000	100	358431	50.0	51.0	
68 Methylcyclohexane	83	8.698	8.698	0.000	95	722930	50.0	56.5	
69 2-ethoxy-2-methyl butane	87	8.717	8.717	0.000	96	574766	50.0	51.9	
70 1,2-Dichloropropane	63	8.717	8.717	0.000	69	388084	50.0	55.8	
71 Methyl methacrylate	69	8.790	8.790	0.000	92	358976	50.0	53.1	
72 1,4-Dioxane	88	8.802	8.802	0.000	28	28367	625.0	470.4	Ma
74 Dibromomethane	93	8.832	8.832	0.000	98	210999	50.0	50.8	
75 Dichlorobromomethane	83	9.063	9.063	0.000	100	440327	50.0	49.8	
77 2-Nitropropane	41	9.319	9.319	0.000	98	264970	100.0	116.9	
78 2-Chloroethyl vinyl ether	63	9.410	9.410	0.000	91	281623	50.0	53.3	
79 cis-1,3-Dichloropropene	75	9.599	9.599	0.000	96	589635	50.0	50.6	
80 4-Methyl-2-pentanone (MIBK)	43	9.757	9.757	0.000	97	1167043	100.0	123.8	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1118531	50.0	50.0	
82 Toluene	92	9.976	9.976	0.000	98	947734	50.0	54.7	
84 trans-1,3-Dichloropropene	75	10.225	10.225	0.000	93	525350	50.0	51.3	
85 Ethyl methacrylate	69	10.280	10.280	0.000	90	582479	50.0	54.9	
86 1,1,2-Trichloroethane	97	10.426	10.426	0.000	91	319704	50.0	53.0	
87 Tetrachloroethene	166	10.517	10.517	0.000	98	381408	50.0	49.4	
88 1,3-Dichloropropane	76	10.590	10.590	0.000	91	570448	50.0	54.3	
89 2-Hexanone	43	10.633	10.633	0.000	96	892518	100.0	126.8	
90 Chlorodibromomethane	129	10.803	10.803	0.000	90	336055	50.0	53.1	
91 Ethylene Dibromide	107	10.919	10.919	0.000	98	340218	50.0	54.5	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	833940	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	98	551469	50.0	53.7	
95 Chlorobenzene	112	11.369	11.369	0.000	94	995558	50.0	53.1	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	96	339581	50.0	53.4	
97 Ethylbenzene	91	11.454	11.454	0.000	98	1834604	50.0	54.7	
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	100	1421361	100.0	108.0	
99 o-Xylene	106	11.898	11.898	0.000	97	706793	50.0	55.2	
100 Styrene	104	11.910	11.910	0.000	95	1181725	50.0	54.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
101 Bromoform	173	12.069	12.069	0.000	97	242664	50.0	54.9	
102 Isopropylbenzene	105	12.196	12.196	0.000	96	1856617	50.0	54.2	
103 Cyclohexanone	55	12.269	12.269	0.000	91	144463	625.0	586.0	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	89	415881	50.0	47.7	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	94	519473	50.0	55.4	
106 Bromobenzene	156	12.458	12.458	0.000	97	422178	50.0	55.7	
107 trans-1,4-Dichloro-2-butene	53	12.464	12.464	0.000	88	315936	125.0	95.6	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	85	158815	50.0	53.7	
109 N-Propylbenzene	91	12.525	12.525	0.000	99	2201688	50.0	55.4	
110 2-Chlorotoluene	126	12.604	12.604	0.000	97	427831	50.0	55.2	
111 1,3,5-Trimethylbenzene	105	12.659	12.659	0.000	94	1558334	50.0	53.6	
112 4-Chlorotoluene	126	12.695	12.695	0.000	97	438602	50.0	54.6	
113 tert-Butylbenzene	134	12.902	12.902	0.000	93	325892	50.0	52.3	
114 Pentachloroethane	167	12.939	12.939	0.000	94	242401	50.0	60.4	
115 1,2,4-Trimethylbenzene	105	12.945	12.945	0.000	97	1584995	50.0	53.5	
116 sec-Butylbenzene	105	13.066	13.066	0.000	94	2006459	50.0	54.8	
117 1,3-Dichlorobenzene	146	13.170	13.170	0.000	98	809208	50.0	54.7	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	1688300	50.0	54.0	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	435723	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.243	13.243	0.000	93	814850	50.0	54.6	
121 1,2,3-Trimethylbenzene	105	13.249	13.249	0.000	98	1514188	50.0	51.3	
122 Benzyl chloride	91	13.316	13.316	0.000	98	1149483	50.0	54.1	
123 1,3-Diethylbenzene	119	13.371	13.371	0.000	95	988474	50.0	51.4	
124 p-Diethylbenzene	119	13.444	13.444	0.000	93	1021531	50.0	50.8	
125 n-Butylbenzene	92	13.462	13.462	0.000	97	857324	50.0	54.3	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	754775	50.0	53.9	
127 o-diethylbenzene	119	13.517	13.517	0.000	96	802756	50.0	50.5	
129 1,2-Dibromo-3-Chloropropane	75	14.046	14.046	0.000	86	121636	50.0	49.9	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	97	530471	50.0	53.8	
131 1,2,4-Trichlorobenzene	180	14.599	14.599	0.000	94	467232	50.0	53.4	
132 Hexachlorobutadiene	225	14.678	14.678	0.000	97	199866	50.0	56.0	
133 Naphthalene	128	14.782	14.782	0.000	97	1720248	50.0	53.4	
134 1,2,3-Trichlorobenzene	180	14.928	14.928	0.000	95	433478	50.0	52.7	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	92	883014	50.0	48.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_V_VOA1_00122	Amount Added:	5.00	Units: uL	
MSV_V_VOA3_00062	Amount Added:	2.00	Units: uL	
MSV_VCYC_00005	Amount Added:	10.00	Units: uL	
MSV_V_ETOH_00011	Amount Added:	10.00	Units: uL	
MSV_V_Gas_00193	Amount Added:	2.50	Units: uL	
MSV_V_VOA6_00068	Amount Added:	5.00	Units: uL	
MSV_V_2CEVE_00134	Amount Added:	5.00	Units: uL	
MSV_DCFM_00055	Amount Added:	2.50	Units: uL	
MSV_HP11_ISSS_00005	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 06-Jan-2021 12:51:13 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06C01.D

Injection Date: 06-Jan-2021 08:27:30 Instrument ID: 7159 Operator ID: lcp00895

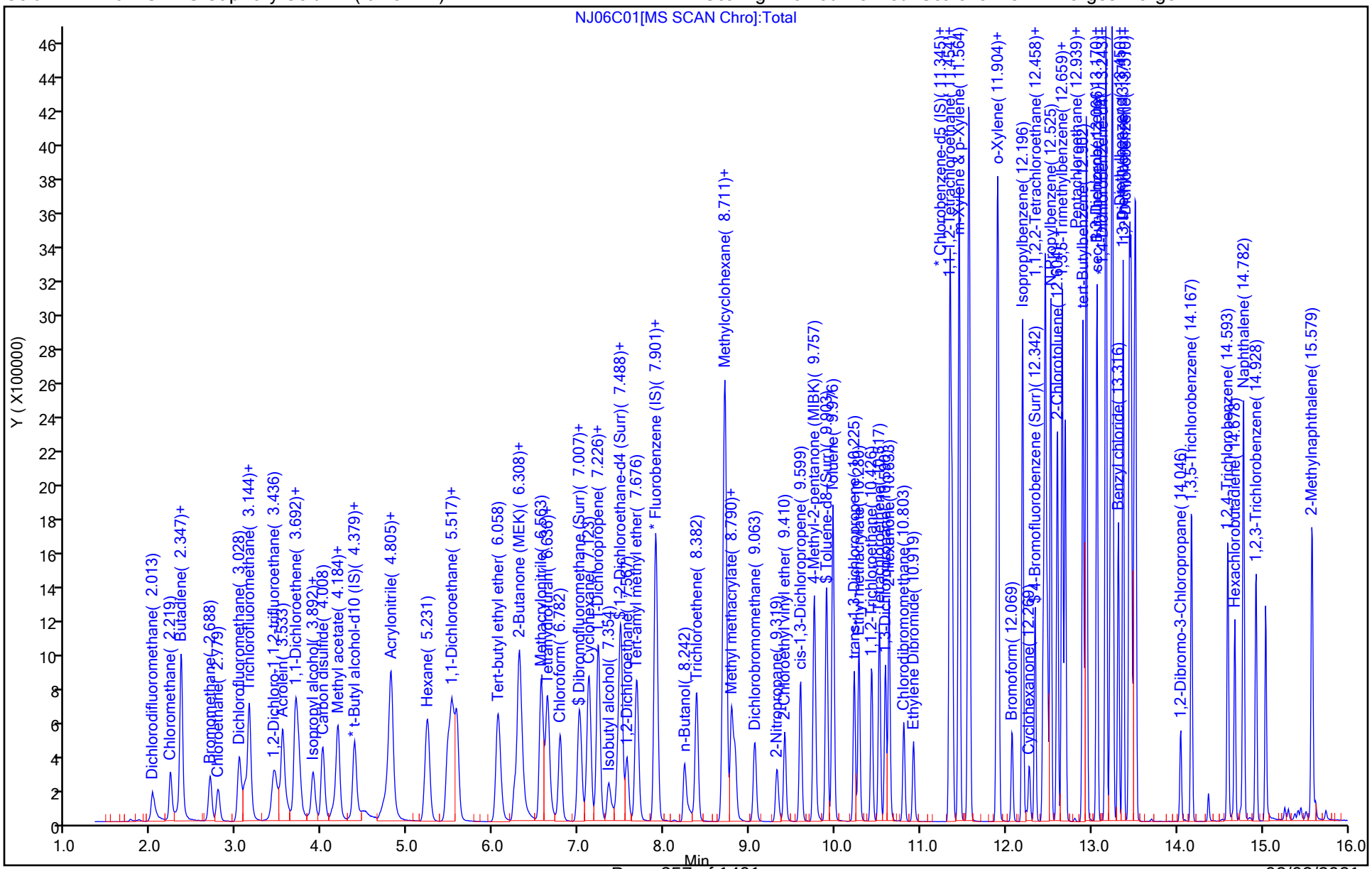
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

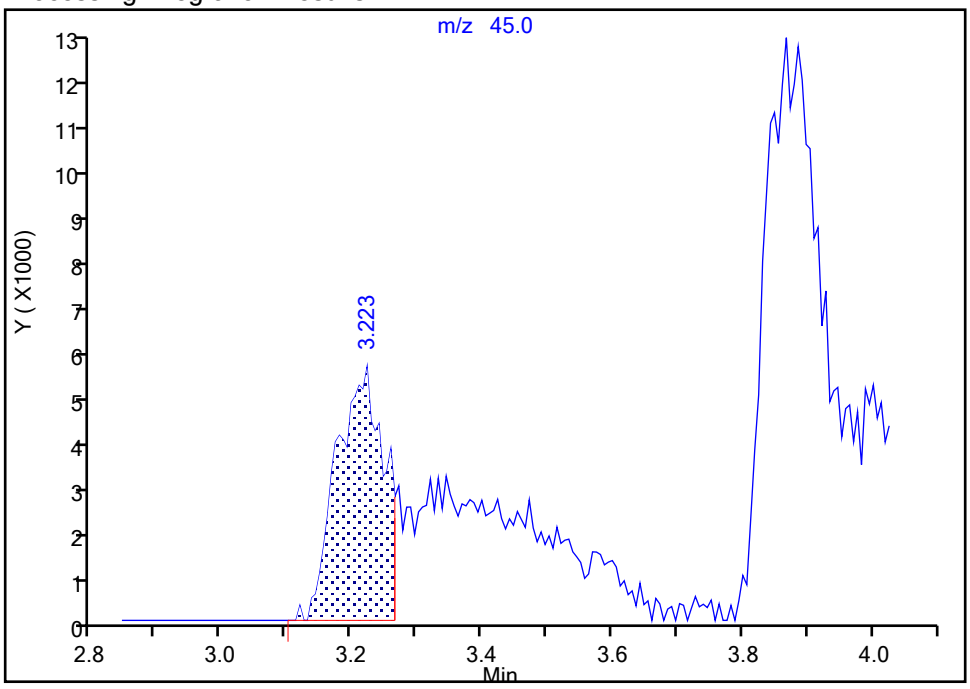
Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06C01.D				
Injection Date:	06-Jan-2021 08:27:30	Instrument ID:	7159		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lcp00895	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

16 Ethanol, CAS: 64-17-5

Signal: 1

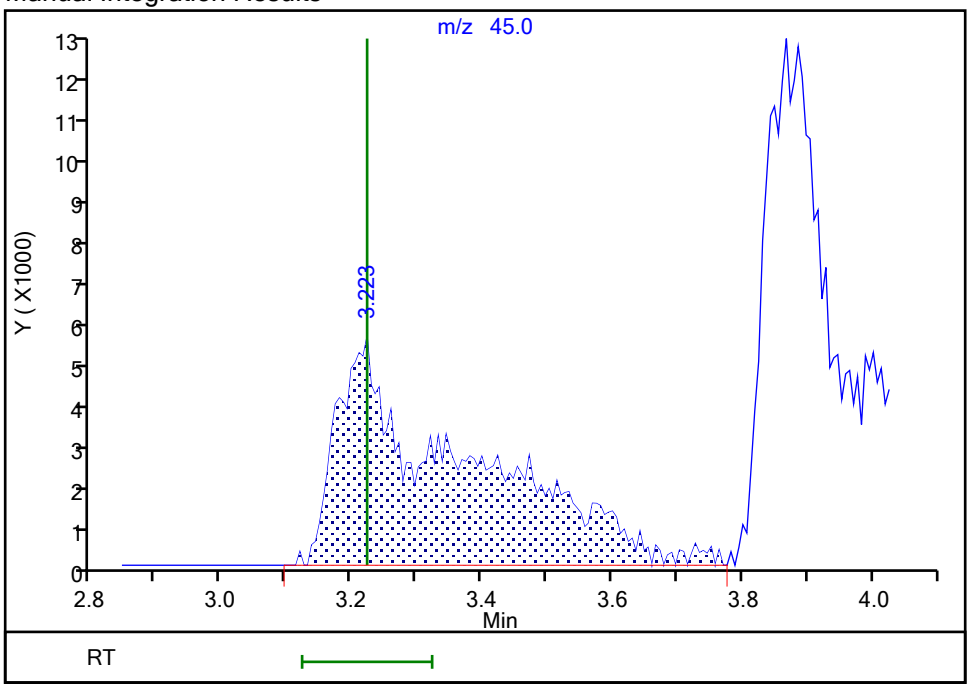
Processing Integration Results

RT: 3.22
Area: 28245
Amount: 422.2817
Amount Units: ug/l



Manual Integration Results

RT: 3.22
Area: 75135
Amount: 1123.3187
Amount Units: ug/l



Reviewer: papel, 06-Jan-2021 09:03:05
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

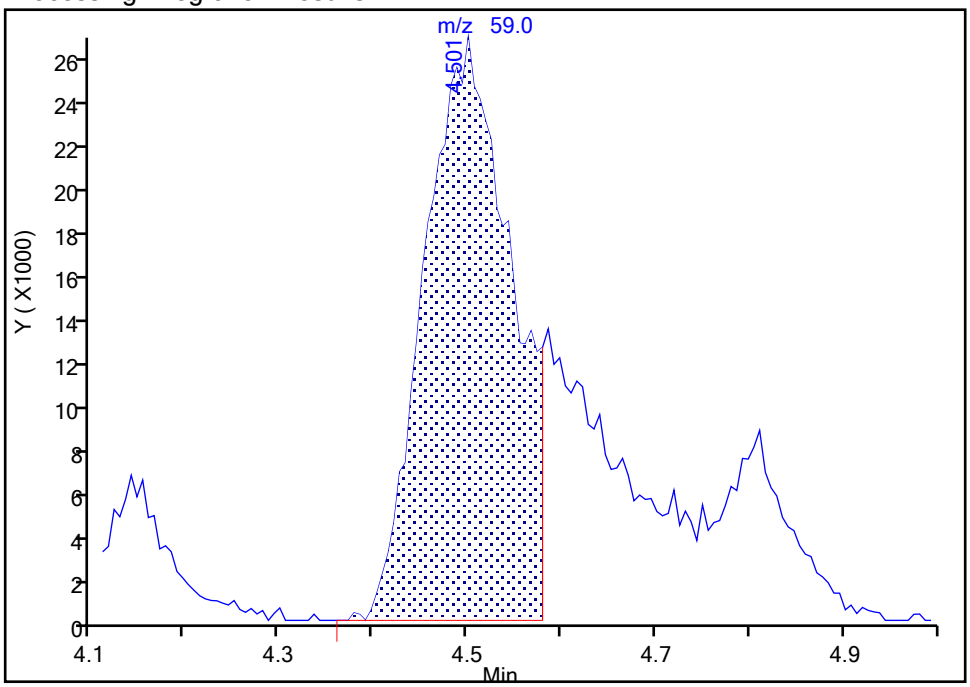
Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06C01.D
Injection Date: 06-Jan-2021 08:27:30 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: lcp00895 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

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

Signal: 1

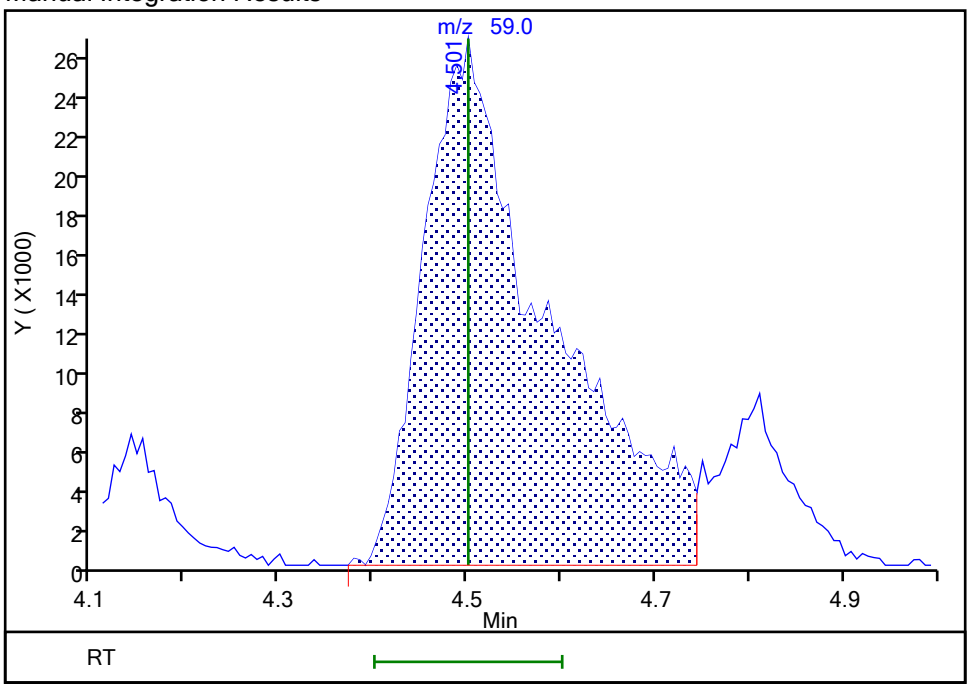
Processing Integration Results

RT: 4.50
Area: 173103
Amount: 191.0620
Amount Units: ug/l



Manual Integration Results

RT: 4.50
Area: 247233
Amount: 272.8828
Amount Units: ug/l



Reviewer: papel, 06-Jan-2021 09:05:21
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

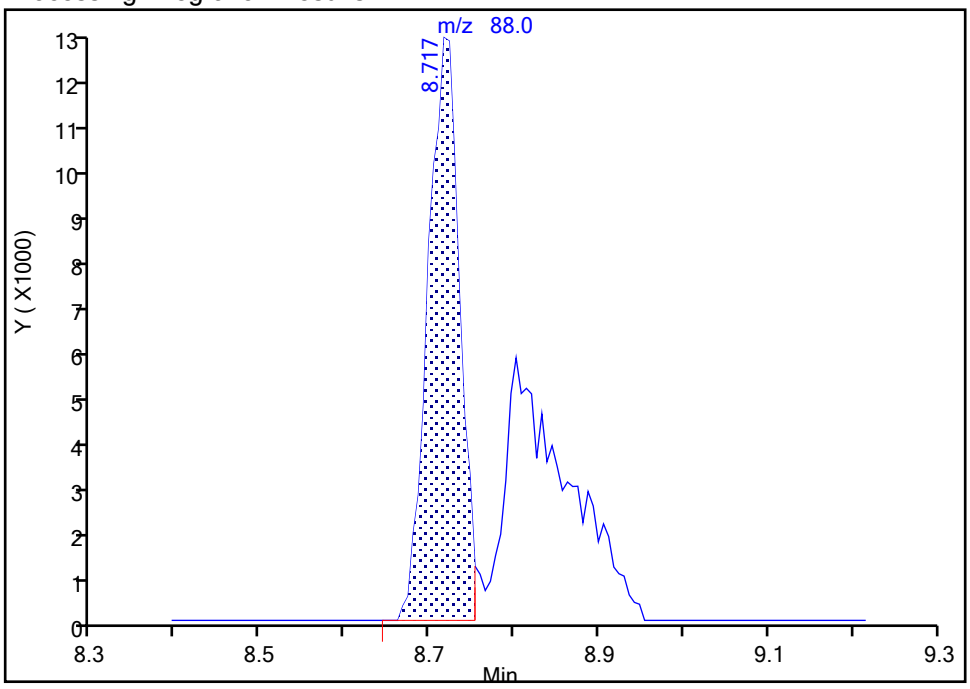
Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06C01.D
Injection Date: 06-Jan-2021 08:27:30 Instrument ID: 7159
Lims ID: CCVIS
Client ID:
Operator ID: lcp00895 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm) Detector MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

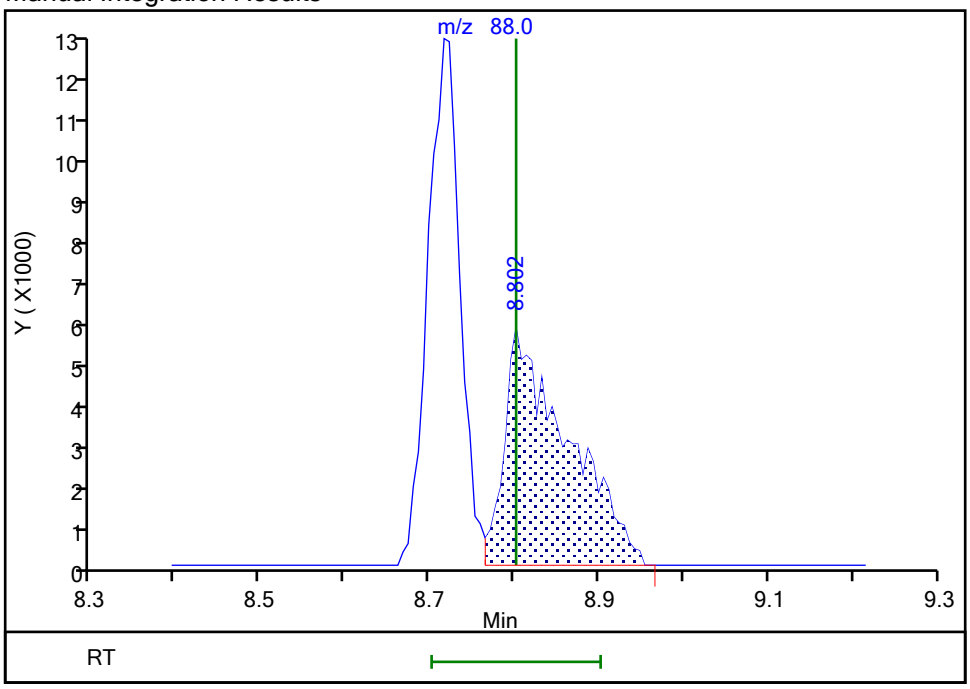
Processing Integration Results

RT: 8.72
Area: 31527
Amount: 522.8468
Amount Units: ug/l



Manual Integration Results

RT: 8.80
Area: 28367
Amount: 470.4410
Amount Units: ug/l



Reviewer: papel, 06-Jan-2021 09:06:36
Audit Action: Split an Integrated Peak Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	09-Nov-2020 12:33:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB JUL22-20				
Misc. Info.:	410-0015005-001				
Operator ID:	DVV10203	Instrument ID:	7159		
Method:	\\chromfs\Lancaster\ChromData\7159\20201109-15005.b\MSVoa_7159.m				
Limit Group:	MSV - 8260C_D				
Last Update:	09-Nov-2020 17:33:56	Calib Date:	09-Nov-2020 15:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1615				
First Level Reviewer: virayd		Date:	09-Nov-2020 13:11:09		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 35 BFB	95	4.919	4.919	0.000	0	412285	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

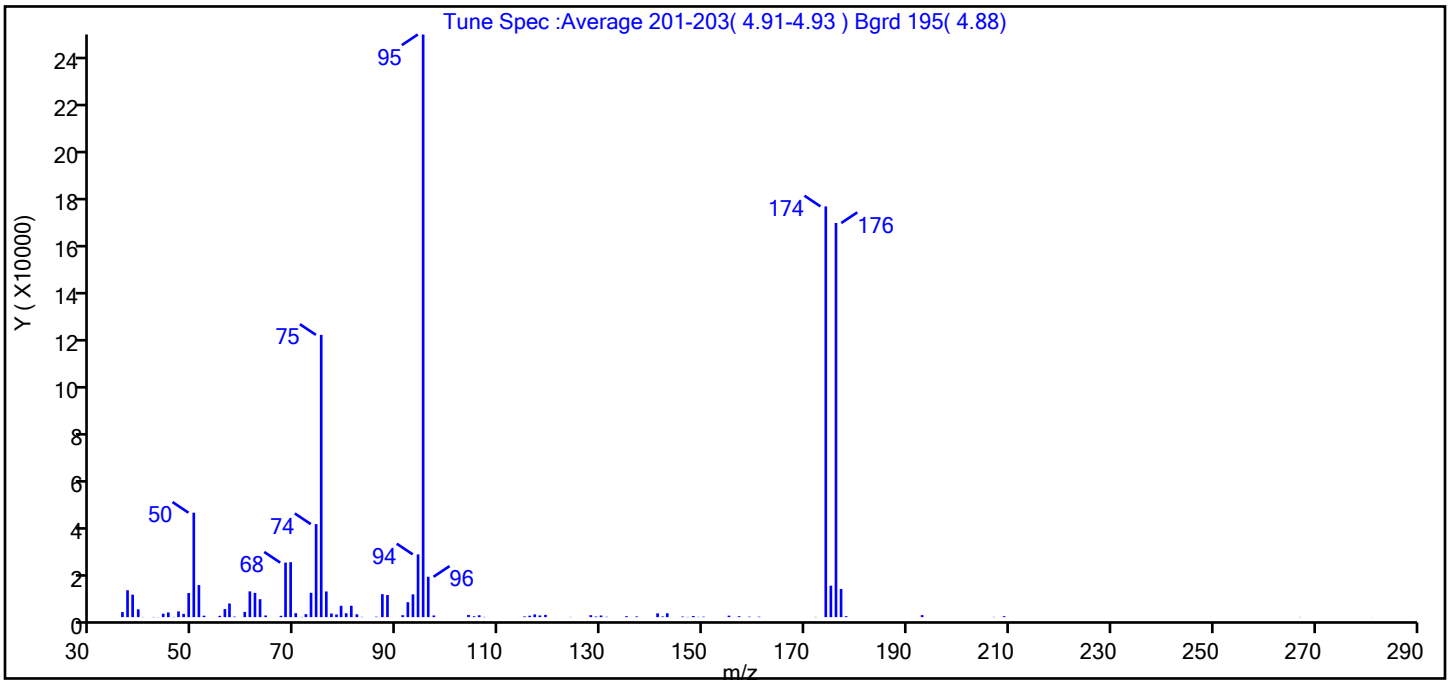
MSV_V_BFB_00003 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09T01.D
Injection Date: 09-Nov-2020 12:33:30 Instrument ID: 7159
Lims ID: bfb
Client ID:
Operator ID: DVV10203 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.9
75	30 to 60% of m/z 95	48.4
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	70.5
175	5 to 9% of m/z 174	5.4 (7.7)
176	Greater than 95% but less than 101% of m/z 174	67.6 (96.0)
177	5 to 9% of m/z 176	4.8 (7.1)

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09T01.D\MSVoa_7159.rslt\spectra.d
Injection Date: 09-Nov-2020 12:33:30
Spectrum: Tune Spec :Average 201-203(4.91-4.93) Bgrd 195(4.88)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2143	63.00	7607	92.00	6324	142.00	277
37.00	11390	64.00	711	93.00	9660	143.00	1638
38.00	9545	67.00	571	94.00	26600	146.00	254
39.00	3321	68.00	23104	95.00	246848	147.00	90
40.00	66	69.00	23280	96.00	17104	148.00	500
42.00	88	70.00	1668	97.00	705	149.00	105
43.00	70	71.00	99	104.00	939	150.00	199
44.00	1451	72.00	1274	105.00	362	155.00	623
45.00	2001	73.00	10301	106.00	803	157.00	397
46.00	89	74.00	39416	107.00	105	159.00	203
47.00	2432	75.00	119592	115.00	302	161.00	206
48.00	1384	76.00	10881	116.00	606	172.00	99
49.00	10218	77.00	1550	117.00	1169	174.00	174016
50.00	44248	78.00	1109	118.00	710	175.00	13333
51.00	13576	79.00	4805	119.00	971	176.00	166976
52.00	613	80.00	1651	124.00	92	177.00	11935
55.00	555	81.00	4828	128.00	838	178.00	406
56.00	3417	82.00	1210	129.00	270	193.00	850
57.00	5784	83.00	108	130.00	711	207.00	99
58.00	237	86.00	196	131.00	139	209.00	400
60.00	2220	87.00	9742	135.00	416	267.00	84
61.00	10919	88.00	9362	137.00	314	281.00	23
62.00	10277	91.00	823	141.00	1619		

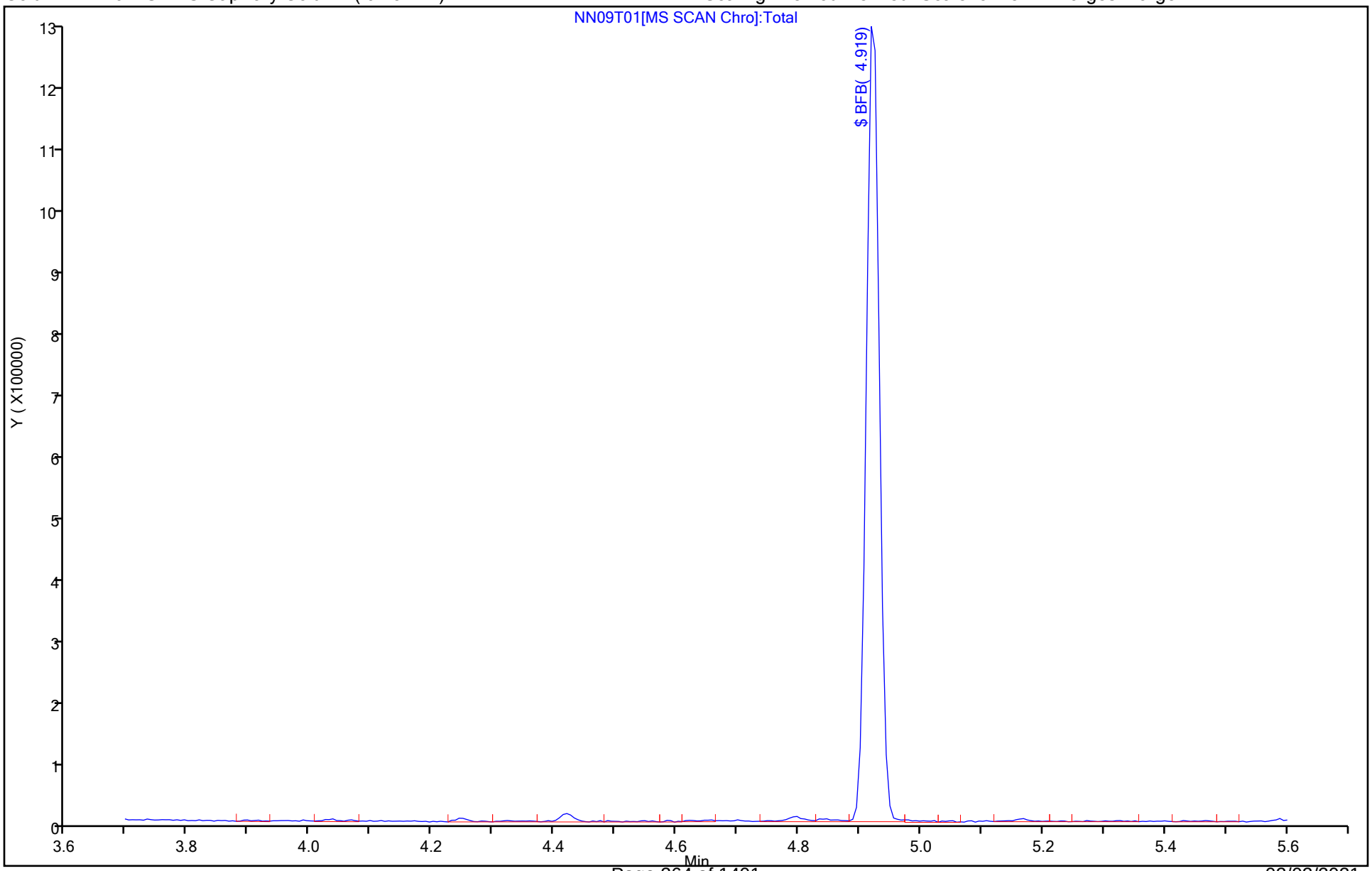
Report Date: 09-Nov-2020 17:33:56 Chrom Revision: 2.3 04-Nov-2020 10:46:10

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09T01.D

Injection Date:	09-Nov-2020 12:33:30	Instrument ID:	7159	Operator ID:	DVV10203
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05T35.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 05-Jan-2021 19:02:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 410-0019274-001
Misc. Info.: BFB
Operator ID: etp33087 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jan-2021 22:04:22 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 35 BFB	95	4.916	4.916	0.000	0	414003	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

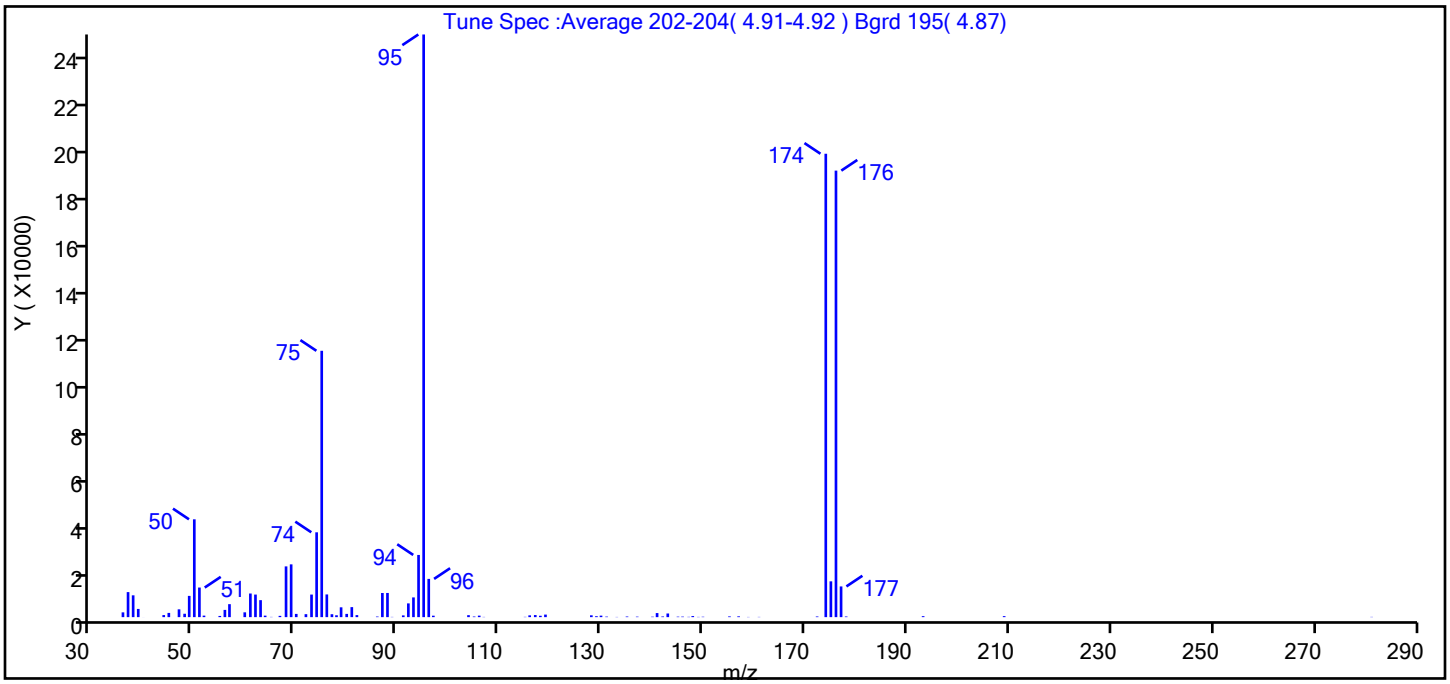
MSV_V_BFB_00003 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05T35.D
Injection Date: 05-Jan-2021 19:02:30 Instrument ID: 7159
Lims ID: bfb
Client ID:
Operator ID: etp33087 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.8
75	30 to 60% of m/z 95	45.7
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	79.5
175	5 to 9% of m/z 174	6.1 (7.7)
176	Greater than 95% but less than 101% of m/z 174	76.6 (96.4)
177	5 to 9% of m/z 176	5.3 (6.9)

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05T35.D\MSVoa_7159.rslt\spectra.d
Injection Date: 05-Jan-2021 19:02:30
Spectrum: Tune Spec :Average 202-204(4.91-4.92) Bgrd 195(4.87)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2032	67.00	542	94.00	26432	142.00	283
37.00	10639	68.00	21568	95.00	247616	143.00	1553
38.00	9272	69.00	22432	96.00	16254	145.00	208
39.00	3485	70.00	1375	97.00	615	146.00	225
40.00	15	72.00	1265	104.00	839	147.00	127
44.00	882	73.00	9594	105.00	266	148.00	458
45.00	1798	74.00	36056	106.00	639	149.00	101
47.00	3318	75.00	113192	107.00	96	150.00	173
48.00	1439	76.00	9649	115.00	120	155.00	314
49.00	9034	77.00	1244	116.00	760	157.00	338
50.00	41576	78.00	799	117.00	884	159.00	85
51.00	12581	79.00	4177	118.00	587	161.00	101
52.00	646	80.00	1382	119.00	1083	172.00	286
55.00	510	81.00	4258	128.00	776	174.00	196928
56.00	3080	82.00	862	129.00	391	175.00	15219
57.00	5518	86.00	255	130.00	641	176.00	189760
60.00	2046	87.00	10260	131.00	229	177.00	13050
61.00	10045	88.00	10274	133.00	88	178.00	276
62.00	9597	89.00	100	135.00	270	193.00	411
63.00	7220	91.00	743	137.00	213	209.00	424
64.00	641	92.00	5846	140.00	189	281.00	107
65.00	100	93.00	8384	141.00	1731		

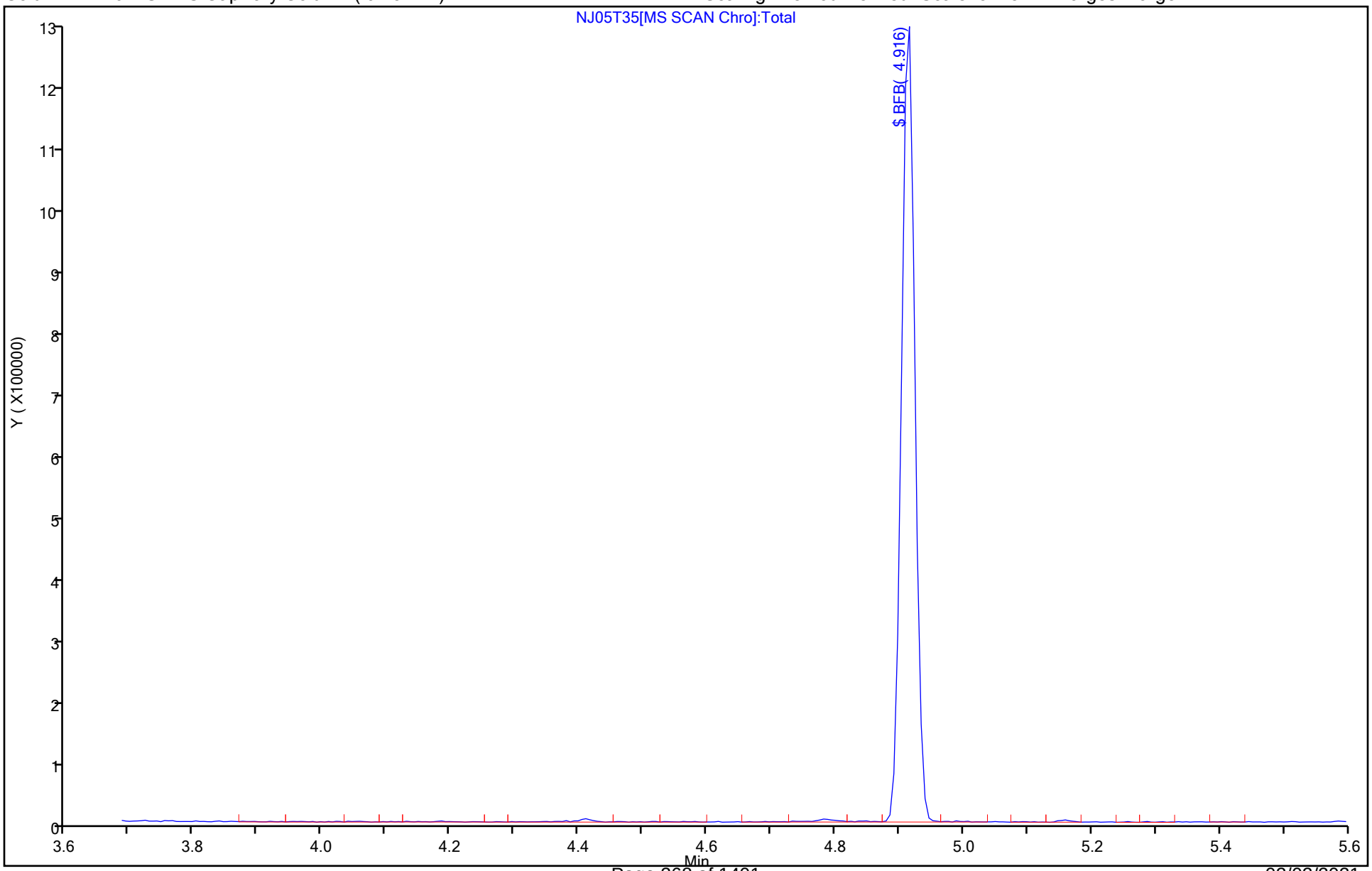
Report Date: 05-Jan-2021 22:04:23 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05T35.D

Injection Date:	05-Jan-2021 19:02:30	Instrument ID:	7159	Operator ID:	etp33087
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06T01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	06-Jan-2021 07:49:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0019298-001				
Misc. Info.:	BFB				
Operator ID:	lcp00895	Instrument ID:	7159		
Method:	\\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Jan-2021 17:16:44	Calib Date:	09-Nov-2020 15:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1621				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 35 BFB	95	4.916	4.916	0.000	0	287363	NC	NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

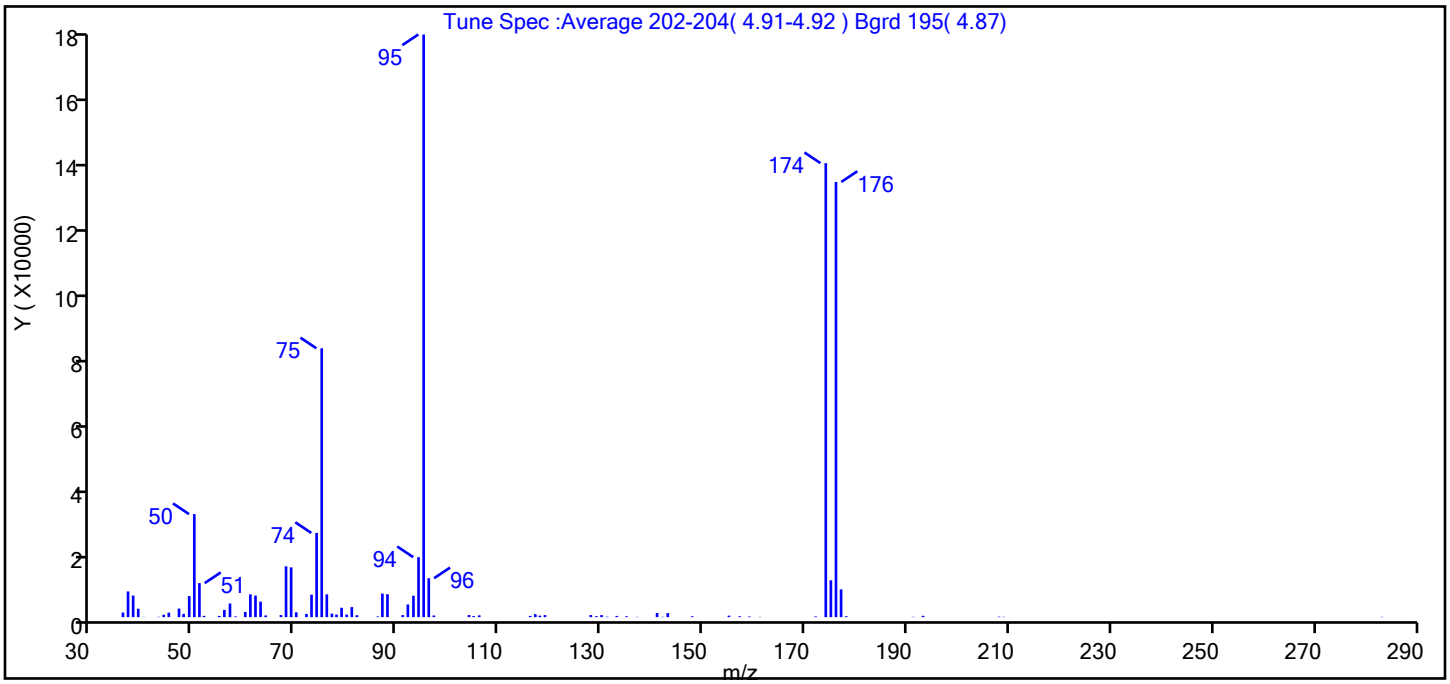
MSV_V_BFB_00003 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06T01.D
Injection Date: 06-Jan-2021 07:49:30 Instrument ID: 7159
Lims ID: bfb
Client ID:
Operator ID: lcp00895 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.7
75	30 to 60% of m/z 95	46.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.9
175	5 to 9% of m/z 174	6.3 (8.1)
176	Greater than 95% but less than 101% of m/z 174	74.7 (95.9)
177	5 to 9% of m/z 176	4.8 (6.4)

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06T01.D\MSVoa_7159.rslt\spectra.d
Injection Date: 06-Jan-2021 07:49:30
Spectrum: Tune Spec :Average 202-204(4.91-4.92) Bgrd 195(4.87)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1403	63.00	4690	92.00	3840	142.00	98
37.00	7784	64.00	523	93.00	6486	143.00	1219
38.00	6521	67.00	637	94.00	18168	148.00	262
39.00	2546	68.00	15388	95.00	176512	155.00	450
40.00	76	69.00	15087	96.00	11791	157.00	263
43.00	91	70.00	1465	97.00	503	159.00	194
44.00	723	72.00	969	104.00	641	161.00	88
45.00	1365	73.00	6814	105.00	323	172.00	225
47.00	2600	74.00	25504	106.00	549	174.00	137536
48.00	983	75.00	81440	116.00	377	175.00	11172
49.00	6375	76.00	6904	117.00	906	176.00	131840
50.00	31216	77.00	1065	118.00	451	177.00	8411
51.00	10313	78.00	783	119.00	618	178.00	275
52.00	390	79.00	2841	128.00	644	191.00	96
55.00	364	80.00	769	129.00	299	193.00	408
56.00	2192	81.00	3044	130.00	614	208.00	149
57.00	4136	82.00	582	131.00	139	209.00	95
58.00	226	86.00	206	133.00	374	283.00	88
60.00	1584	87.00	7129	135.00	269		
61.00	6908	88.00	6927	137.00	88		
62.00	6531	91.00	620	141.00	1248		

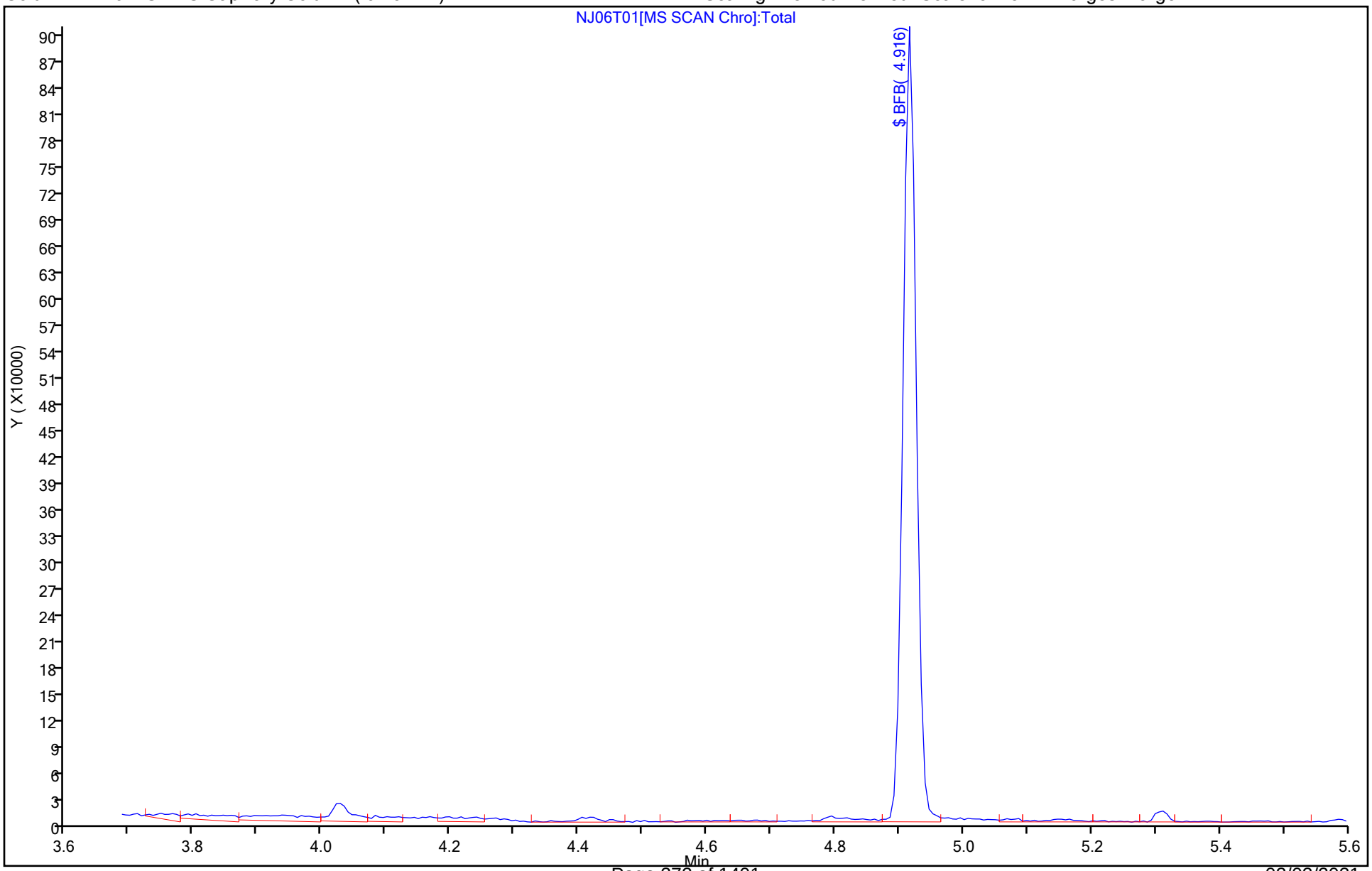
Report Date: 06-Jan-2021 17:16:44 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06T01.D

Injection Date:	06-Jan-2021 07:49:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	bfb			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-82265/6

Matrix: Water Lab File ID: NJ05B35.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/05/2021 20:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82265 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05B35.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 05-Jan-2021 20:46:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019274-006
Misc. Info.: MB
Operator ID: etp33087 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jan-2021 22:04:25 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: proctore Date: 05-Jan-2021 21:29:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.170					ND	
2 Chlorodifluoromethane	51		1.389					ND	
3 2-Chloro-1,1,1-Trifluoroethane	118		1.389					ND	
4 Ethyl ether	59		1.926					ND	
5 Dichlorodifluoromethane	85		2.025					ND	
6 Chloromethane	50		2.232					ND	
7 Acetonitrile	41		2.334					ND	
8 Vinyl chloride	62		2.353					ND	
9 Butadiene	39		2.359					ND	
10 Bromomethane	94		2.700					ND	
11 Chloroethane	64		2.791					ND	
12 Dichlorofluoromethane	67		3.028					ND	
13 Trichlorofluoromethane	101		3.102					ND	
14 Vinyl acetate	43		3.115					ND	
15 Pentane	43		3.156					ND	
16 Ethanol	45		3.217					ND	
17 1,2-Dichloro-1,1,2-trifluoroetha	67		3.455					ND	
18 Acrolein	56		3.546					ND	
19 Ethyl acetate	43		3.675					ND	
20 1,1-Dichloroethene	96		3.698					ND	
21 Acetone	58		3.722					ND	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.728					ND	
23 Isopropyl alcohol	45		3.880					ND	
24 Iodomethane	142		3.905					ND	
25 Carbon disulfide	76		4.014					ND	
26 Methyl acetate	43		4.160					ND	
27 3-Chloro-1-propene	41		4.191					ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.373	0.006	0	328735	250.0	250.0	M
28 Methylene Chloride	84		4.385					ND	
31 2-Methyl-2-propanol	59		4.507					ND	
30 Isopropyl acetate	43		4.535					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53		4.726					ND	
33 Methyl tert-butyl ether	73		4.793					ND	
34 trans-1,2-Dichloroethene	96		4.817					ND	
36 Hexane	57		5.243					ND	
37 1,1-Dichloroethane	63		5.474					ND	
39 Isopropyl ether	45		5.523					ND	
38 n-Propyl acetate	61		5.529					ND	
40 2-Chloro-1,3-butadiene	53		5.584					ND	
41 Tert-butyl ethyl ether	59		6.064					ND	
S 42 1,2-Dichloroethene, Total	100		6.155					ND	7
43 2-Butanone (MEK)	43		6.259					ND	
44 cis-1,2-Dichloroethene	96		6.308					ND	
45 2,2-Dichloropropane	77		6.326					ND	
46 Propionitrile	54		6.350					ND	
47 Methacrylonitrile	67		6.569					ND	
48 Chlorobromomethane	128		6.642					ND	
49 Tetrahydrofuran	71		6.648					ND	
50 Chloroform	83		6.788					ND	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.007	0.000	94	264623	50.0	48.1	
52 1,1,1-Trichloroethane	97		7.019					ND	
53 3,4-Dichloro-1-butene	75		7.108					ND	
54 Cyclohexane	56		7.129					ND	
56 1,1-Dichloropropene	75		7.238					ND	
55 Carbon tetrachloride	117		7.238					ND	
57 n-Butyl acetate	43		7.333					ND	
58 Isobutyl alcohol	41		7.354					ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.470	-0.007	98	73951	50.0	49.8	
60 Benzene	78		7.500					ND	
61 1,2-Dichloroethane	62		7.573					ND	7
62 Tert-amyl methyl ether	73		7.683					ND	
63 t-Amyl alcohol	73	7.901	7.895	0.006	34	14849		NC	
* 64 Fluorobenzene (IS)	96	7.901	7.902	-0.001	99	1186417	50.0	50.0	
65 n-Heptane	43		7.914					ND	
66 n-Butanol	56		8.242					ND	
67 Trichloroethene	95		8.382					ND	
68 Methylcyclohexane	83		8.699					ND	
69 2-ethoxy-2-methyl butane	87		8.717					ND	
70 1,2-Dichloropropane	63		8.723					ND	
71 Methyl methacrylate	69		8.790					ND	
72 1,4-Dioxane	88		8.796					ND	
74 Dibromomethane	93		8.832					ND	
73 cis-1,4-Dichloro-2-butene	88		8.833					ND	
75 Dichlorobromomethane	83		9.064					ND	
76 2,3,4-Trichlorobutene	109		9.296					ND	
77 2-Nitropropane	41		9.319					ND	
78 2-Chloroethyl vinyl ether	63		9.410					ND	
79 cis-1,3-Dichloropropene	75		9.599					ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.757					ND	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1140149	50.0	49.8	
82 Toluene	92		9.976					ND	
S 83 1,3-Dichloropropene, Total	100		10.060					ND	7
84 trans-1,3-Dichloropropene	75		10.226					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Ethyl methacrylate	69		10.280					ND	
86 1,1,2-Trichloroethane	97		10.432					ND	
87 Tetrachloroethene	166		10.524					ND	
88 1,3-Dichloropropane	76		10.591					ND	
89 2-Hexanone	43		10.633					ND	
90 Chlorodibromomethane	129		10.810					ND	
91 Ethylene Dibromide	107		10.919					ND	
S 92 Xylenes, Total	106		11.245					ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	853746	50.0	50.0	
94 1-Chlorohexane	91		11.351					ND	U
95 Chlorobenzene	112		11.369					ND	
96 1,1,1,2-Tetrachloroethane	131		11.448					ND	
97 Ethylbenzene	91		11.454					ND	
98 m-Xylene & p-Xylene	106		11.570					ND	
99 o-Xylene	106		11.898					ND	
100 Styrene	104		11.911					ND	
101 Bromoform	173		12.069					ND	
102 Isopropylbenzene	105		12.197					ND	
103 Cyclohexanone	55		12.270					ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.343	-0.001	88	419428	50.0	47.0	
105 1,1,2,2-Tetrachloroethane	83		12.434					ND	
106 Bromobenzene	156		12.458					ND	
107 trans-1,4-Dichloro-2-butene	53		12.464					ND	
108 1,2,3-Trichloropropane	110		12.483					ND	
109 N-Propylbenzene	91		12.525					ND	
110 2-Chlorotoluene	126		12.604					ND	
111 1,3,5-Trimethylbenzene	105		12.659					ND	
112 4-Chlorotoluene	126		12.695					ND	
113 tert-Butylbenzene	134		12.902					ND	
114 Pentachloroethane	167		12.939					ND	
115 1,2,4-Trimethylbenzene	105		12.945					ND	
116 sec-Butylbenzene	105		13.067					ND	
117 1,3-Dichlorobenzene	146		13.170					ND	
118 4-Isopropyltoluene	119		13.170					ND	
* 119 1,4-Dichlorobenzene-d4	152	13.224	13.225	-0.001	95	441345	50.0	50.0	
120 1,4-Dichlorobenzene	146		13.243					ND	
121 1,2,3-Trimethylbenzene	105		13.249					ND	
122 Benzyl chloride	91		13.316					ND	7
123 1,3-Diethylbenzene	119		13.371					ND	
124 p-Diethylbenzene	119		13.444					ND	
125 n-Butylbenzene	92		13.462					ND	
126 1,2-Dichlorobenzene	146		13.505					ND	
127 o-diethylbenzene	119		13.517					ND	
128 Hexachloroethane	201		13.560					ND	
129 1,2-Dibromo-3-Chloropropane	75		14.040					ND	
130 1,3,5-Trichlorobenzene	180		14.174					ND	7
131 1,2,4-Trichlorobenzene	180		14.600					ND	
132 Hexachlorobutadiene	225		14.679					ND	
133 Naphthalene	128		14.782					ND	7
134 1,2,3-Trichlorobenzene	180		14.928					ND	
135 2-Methylnaphthalene	142		15.579					ND	7
136 C4-C10	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 Chloroacetonitrile	1		0.000					ND	
138 Ethyl bromide	1		0.000					ND	
139 1,3-Divinylbenzene	1		0.000					ND	
140 tert-Butyl Formate	1		0.000					ND	
141 Methyl acrylate	1		0.000					ND	
142 C6-C10	1		0.000					ND	
143 3-chloro-1-Butene	1		0.000					ND	
S 144 Total Diethylbenzene	1		0.000					ND	7
145 1,4-Divinylbenzene TIC	1		0.000					ND	
146 C6-C12	1		0.000					ND	
147 1-Bromo-2-chloroethane	1		0.000					ND	
148 C5-C12	1		0.000					ND	
149 Propene oxide TIC	1		0.000					ND	
150 Diethoxymethane	1		0.000					ND	
151 1,3-Divinylbenzene TIC	1		0.000					ND	
152 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
153 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
155 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
156 1,4-Divinylbenzene	1		0.000					ND	
157 1-Chlorobutane	1		0.000					ND	
158 C4-C12	1		0.000					ND	
159 Methyal TIC	1		0.000					ND	
160 Propene oxide	1		0.000					ND	
161 1,3-Dichlorobutene-2(total)	1		0.000					ND	
S 162 divinyl benzene	1		0.000					ND	7
163 Methylal	1		0.000					ND	
165 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
166 Ethyl acrylate	55		0.000					ND	
167 n-Decane	57		0.000					ND	
168 Dodecane	57		0.000					ND	
169 Butane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

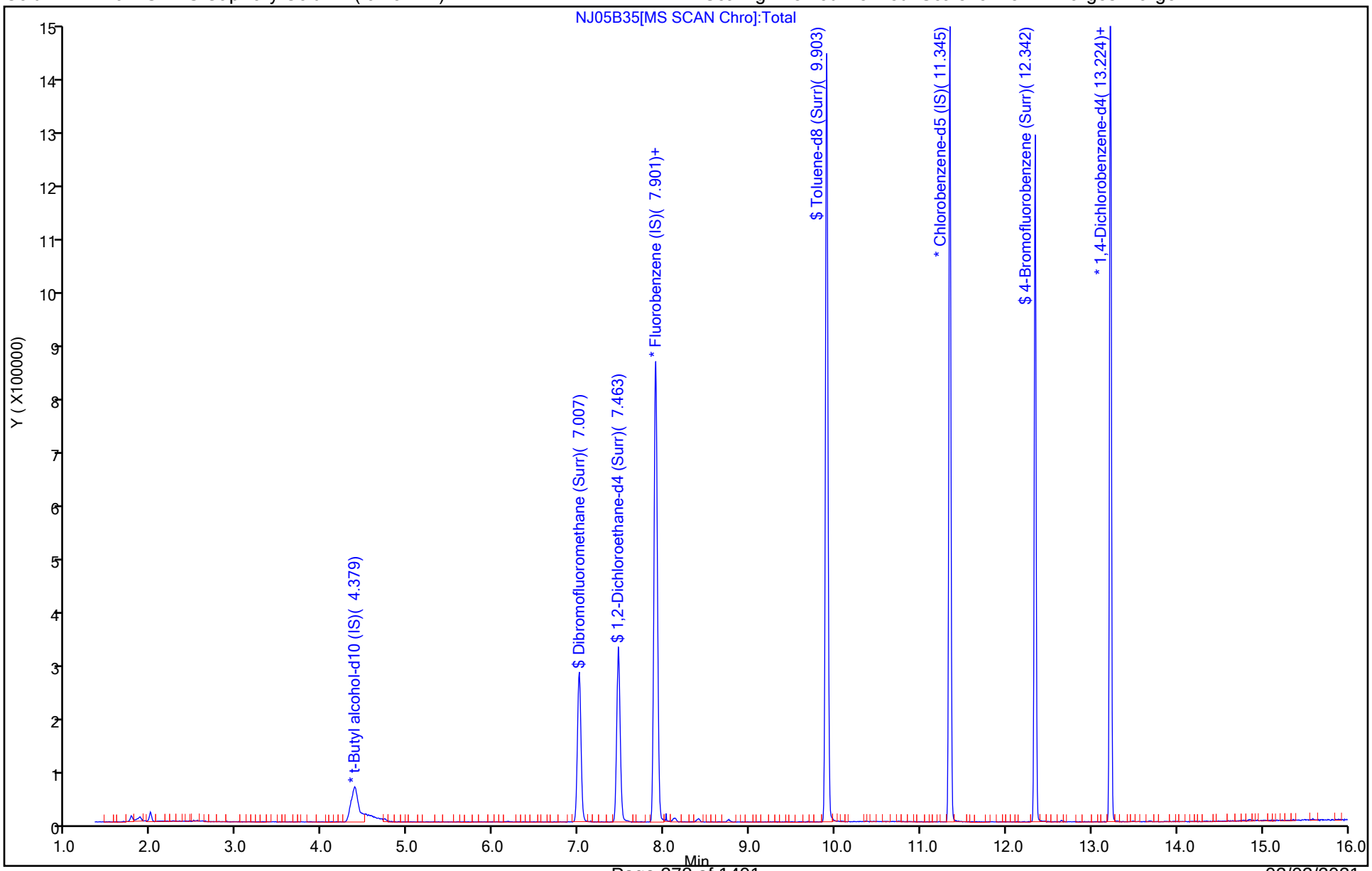
Report Date: 05-Jan-2021 22:04:50 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05B35.D

Injection Date:	05-Jan-2021 20:46:30	Instrument ID:	7159	Operator ID:	etp33087
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

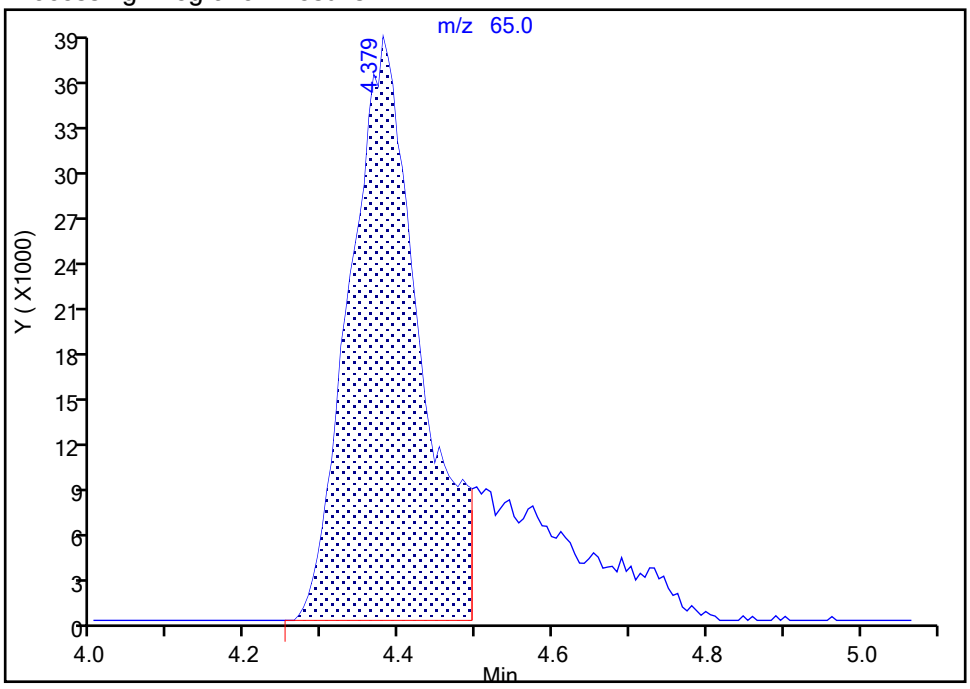
Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05B35.D
Injection Date: 05-Jan-2021 20:46:30 Instrument ID: 7159
Lims ID: MB
Client ID:
Operator ID: etp33087 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25 mm) Detector MS Quad

* 29 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

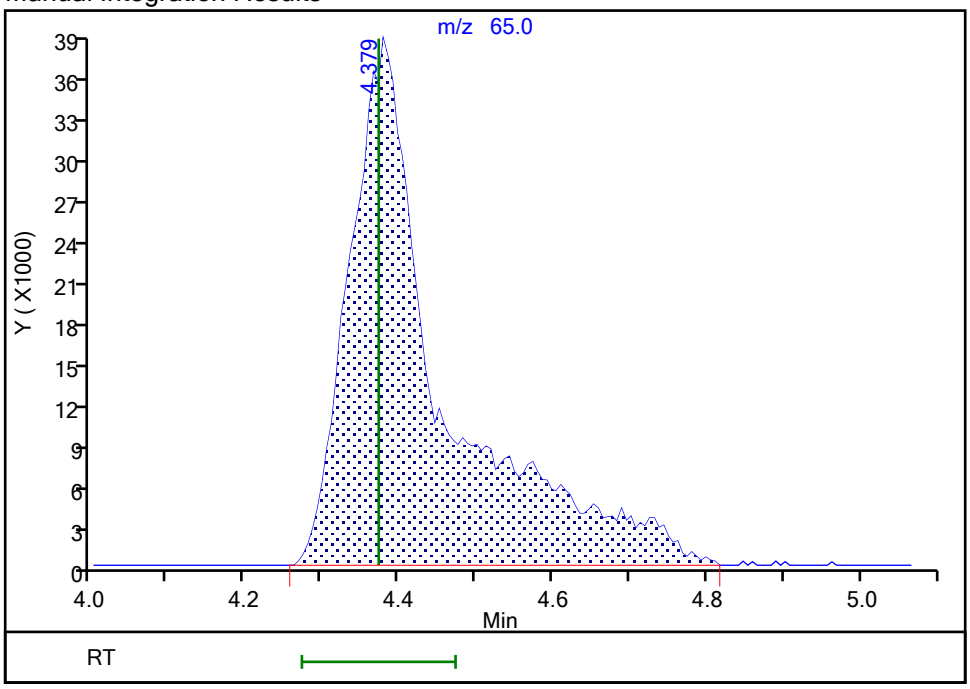
Processing Integration Results

RT: 4.38
Area: 245481
Amount: 250.0000
Amount Units: ug/l



Manual Integration Results

RT: 4.38
Area: 328735
Amount: 250.0000
Amount Units: ug/l



Reviewer: proctore, 05-Jan-2021 21:09:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-82360/7

Matrix: Water Lab File ID: NJ06B01.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 09:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.20
100-41-4	Ethylbenzene	ND		1.0	0.40
108-88-3	Toluene	ND		1.0	0.20
1330-20-7	Xylenes, Total	ND		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	ND		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06B01.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Jan-2021 09:55:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-007
Misc. Info.: MB
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 10:43:38 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 10:22:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.170					ND	
2 Chlorodifluoromethane	51		1.389					ND	
3 2-Chloro-1,1,1-Trifluoroethane	118		1.389					ND	
4 Ethyl ether	59		1.926					ND	
5 Dichlorodifluoromethane	85		2.013					ND	
6 Chloromethane	50		2.225					ND	
7 Acetonitrile	41		2.334					ND	
8 Vinyl chloride	62		2.347					ND	
9 Butadiene	39		2.347					ND	
10 Bromomethane	94		2.688					ND	
11 Chloroethane	64		2.779					ND	
12 Dichlorofluoromethane	67		3.028					ND	
13 Trichlorofluoromethane	101		3.095					ND	
14 Vinyl acetate	43		3.115					ND	
15 Pentane	43		3.144					ND	
16 Ethanol	45		3.223					ND	
17 1,2-Dichloro-1,1,2-trifluoroetha	67		3.442					ND	
18 Acrolein	56		3.539					ND	
19 Ethyl acetate	43		3.675					ND	
20 1,1-Dichloroethene	96		3.685					ND	
21 Acetone	58		3.710					ND	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.716					ND	
23 Isopropyl alcohol	45		3.868					ND	
24 Iodomethane	142		3.892					ND	
25 Carbon disulfide	76		4.008					ND	
26 Methyl acetate	43		4.154					ND	
27 3-Chloro-1-propene	41		4.184					ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.367	0.012	0	320516	250.0	250.0	
28 Methylene Chloride	84		4.379					ND	
31 2-Methyl-2-propanol	59		4.501					ND	
30 Isopropyl acetate	43		4.535					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53		4.714					ND	
33 Methyl tert-butyl ether	73		4.781					ND	
34 trans-1,2-Dichloroethene	96		4.805					ND	
36 Hexane	57		5.231					ND	
37 1,1-Dichloroethane	63		5.468					ND	
39 Isopropyl ether	45		5.517					ND	
38 n-Propyl acetate	61		5.529					ND	
40 2-Chloro-1,3-butadiene	53		5.577					ND	
41 Tert-butyl ethyl ether	59		6.058					ND	
S 42 1,2-Dichloroethene, Total	100		6.155					ND	7
43 2-Butanone (MEK)	43		6.253					ND	
44 cis-1,2-Dichloroethene	96		6.301					ND	
45 2,2-Dichloropropane	77		6.320					ND	
46 Propionitrile	54		6.344					ND	
47 Methacrylonitrile	67		6.563					ND	
48 Chlorobromomethane	128		6.636					ND	
49 Tetrahydrofuran	71		6.636					ND	
50 Chloroform	83		6.782					ND	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	262332	50.0	48.0	
52 1,1,1-Trichloroethane	97		7.019					ND	
53 3,4-Dichloro-1-butene	75		7.108					ND	
54 Cyclohexane	56		7.117					ND	
56 1,1-Dichloropropene	75		7.232					ND	
55 Carbon tetrachloride	117		7.232					ND	
57 n-Butyl acetate	43		7.333					ND	
58 Isobutyl alcohol	41		7.354					ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	72091	50.0	48.9	
60 Benzene	78		7.494					ND	
61 1,2-Dichloroethane	62		7.567					ND	7
62 Tert-amyl methyl ether	73		7.682					ND	
63 t-Amyl alcohol	73	7.889	7.895	-0.006	1	7689		NC	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1177474	50.0	50.0	
65 n-Heptane	43		7.907					ND	
66 n-Butanol	56		8.242					ND	
67 Trichloroethene	95		8.376					ND	
68 Methylcyclohexane	83		8.698					ND	
69 2-ethoxy-2-methyl butane	87		8.717					ND	
70 1,2-Dichloropropane	63		8.717					ND	
71 Methyl methacrylate	69		8.790					ND	
72 1,4-Dioxane	88		8.802					ND	
74 Dibromomethane	93		8.832					ND	
73 cis-1,4-Dichloro-2-butene	88		8.833					ND	
75 Dichlorobromomethane	83		9.063					ND	
76 2,3,4-Trichlorobutene	109		9.296					ND	
77 2-Nitropropane	41		9.319					ND	
78 2-Chloroethyl vinyl ether	63		9.410					ND	
79 cis-1,3-Dichloropropene	75		9.599					ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.757					ND	
$ 81 Toluene-d8 (Surr)	98	9.897	9.903	-0.006	94	1130293	50.0	49.7	
82 Toluene	92		9.976					ND	
S 83 1,3-Dichloropropene, Total	100		10.060					ND	7
84 trans-1,3-Dichloropropene	75		10.225					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Ethyl methacrylate	69		10.280					ND	
86 1,1,2-Trichloroethane	97		10.426					ND	
87 Tetrachloroethene	166		10.517					ND	
88 1,3-Dichloropropane	76		10.590					ND	
89 2-Hexanone	43		10.633					ND	
90 Chlorodibromomethane	129		10.803					ND	
91 Ethylene Dibromide	107		10.919					ND	
S 92 Xylenes, Total	106		11.245					ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	848202	50.0	50.0	
94 1-Chlorohexane	91		11.345					ND	U
95 Chlorobenzene	112		11.369					ND	
96 1,1,1,2-Tetrachloroethane	131		11.448					ND	
97 Ethylbenzene	91		11.454					ND	
98 m-Xylene & p-Xylene	106		11.564					ND	
99 o-Xylene	106		11.898					ND	
100 Styrene	104		11.910					ND	
101 Bromoform	173		12.069					ND	
102 Isopropylbenzene	105		12.196					ND	
103 Cyclohexanone	55		12.269					ND	
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	89	411454	50.0	46.4	
105 1,1,2,2-Tetrachloroethane	83		12.434					ND	
106 Bromobenzene	156		12.458					ND	
107 trans-1,4-Dichloro-2-butene	53		12.464					ND	
108 1,2,3-Trichloropropane	110		12.482					ND	
109 N-Propylbenzene	91		12.525					ND	
110 2-Chlorotoluene	126		12.604					ND	
111 1,3,5-Trimethylbenzene	105		12.659					ND	
112 4-Chlorotoluene	126		12.695					ND	
113 tert-Butylbenzene	134		12.902					ND	
114 Pentachloroethane	167		12.939					ND	
115 1,2,4-Trimethylbenzene	105		12.945					ND	
116 sec-Butylbenzene	105		13.066					ND	
117 1,3-Dichlorobenzene	146		13.170					ND	
118 4-Isopropyltoluene	119		13.170					ND	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	437690	50.0	50.0	
120 1,4-Dichlorobenzene	146		13.243					ND	
121 1,2,3-Trimethylbenzene	105		13.249					ND	
122 Benzyl chloride	91		13.316					ND	7
123 1,3-Diethylbenzene	119		13.371					ND	
124 p-Diethylbenzene	119		13.444					ND	
125 n-Butylbenzene	92		13.462					ND	
126 1,2-Dichlorobenzene	146		13.498					ND	
127 o-diethylbenzene	119		13.517					ND	
128 Hexachloroethane	201		13.560					ND	
129 1,2-Dibromo-3-Chloropropane	75		14.046					ND	
130 1,3,5-Trichlorobenzene	180		14.174					ND	
131 1,2,4-Trichlorobenzene	180		14.599					ND	
132 Hexachlorobutadiene	225		14.678					ND	
133 Naphthalene	128		14.782					ND	7
134 1,2,3-Trichlorobenzene	180		14.928					ND	
135 2-Methylnaphthalene	142		15.579					ND	7
136 C4-C10	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
137 Chloroacetonitrile	1		0.000					ND	
138 Ethyl bromide	1		0.000					ND	
139 1,3-Divinylbenzene	1		0.000					ND	
140 tert-Butyl Formate	1		0.000					ND	
141 Methyl acrylate	1		0.000					ND	
142 C6-C10	1		0.000					ND	
143 3-chloro-1-Butene	1		0.000					ND	
S 144 Total Diethylbenzene	1		0.000					ND	7
145 1,4-Divinylbenzene TIC	1		0.000					ND	
146 C6-C12	1		0.000					ND	
147 1-Bromo-2-chloroethane	1		0.000					ND	
148 C5-C12	1		0.000					ND	
149 Propene oxide TIC	1		0.000					ND	
150 Diethoxymethane	1		0.000					ND	
151 1,3-Divinylbenzene TIC	1		0.000					ND	
152 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
153 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
154 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
155 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
156 1,4-Divinylbenzene	1		0.000					ND	
157 1-Chlorobutane	1		0.000					ND	
158 C4-C12	1		0.000					ND	
159 Methyal TIC	1		0.000					ND	
160 Propene oxide	1		0.000					ND	
161 1,3-Dichlorobutene-2(total)	1		0.000					ND	
S 162 divinyl benzene	1		0.000					ND	7
163 Methylal	1		0.000					ND	
165 1,1,2,2-Tetrachloro-1,2-difluoro	1		0.000					ND	
166 Ethyl acrylate	55		0.000					ND	
167 n-Decane	57		0.000					ND	
168 Dodecane	57		0.000					ND	
169 Butane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP11_ISSS_00005 Amount Added: 5.00 Units: uL Run Reagent

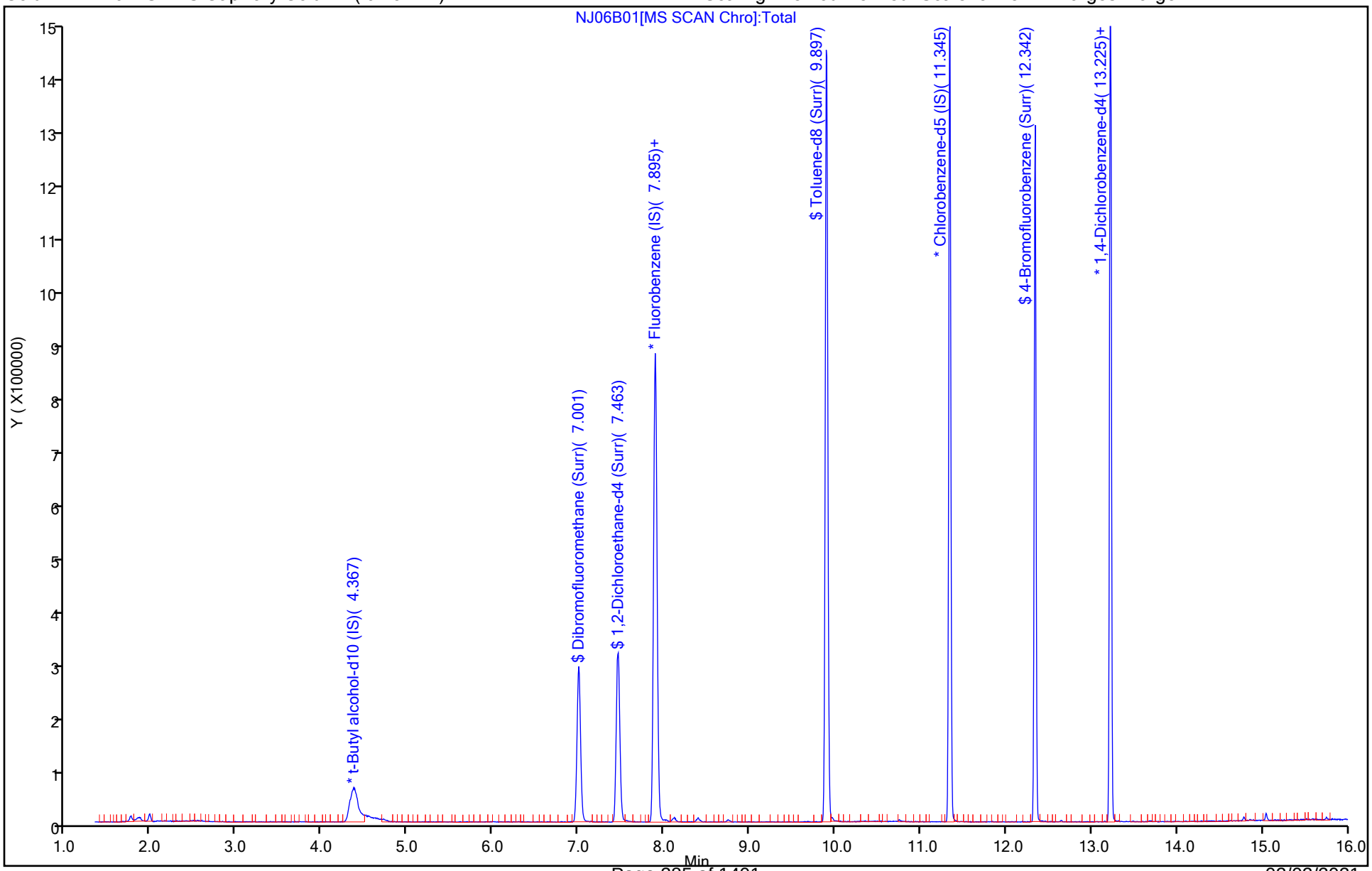
Report Date: 06-Jan-2021 10:44:10 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06B01.D

Injection Date:	06-Jan-2021 09:55:30	Instrument ID:	7159	Operator ID:	lcp00895
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSVoa_7159	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-82265/4

Matrix: Water Lab File ID: NJ05L35.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/05/2021 20:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82265 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	19.5		1.0	0.20
100-41-4	Ethylbenzene	19.8		1.0	0.40
108-88-3	Toluene	20.1		1.0	0.20
1330-20-7	Xylenes, Total	60.6		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	18.3		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05L35.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 05-Jan-2021 20:02:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019274-004
Misc. Info.: LCS
Operator ID: etp33087 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 05-Jan-2021 22:04:25 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1652

First Level Reviewer: proctore Date: 05-Jan-2021 20:32:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.025	2.025	0.000	99	120193	20.0	18.9	
6 Chloromethane	50	2.232	2.232	0.000	100	159650	20.0	19.1	
8 Vinyl chloride	62	2.353	2.353	0.000	84	154910	20.0	19.1	M
9 Butadiene	39	2.359	2.359	0.000	93	167635	20.0	22.0	
10 Bromomethane	94	2.694	2.700	-0.006	91	107954	20.0	19.3	
11 Chloroethane	64	2.785	2.791	-0.006	100	98616	20.0	18.9	
13 Trichlorofluoromethane	101	3.102	3.102	0.000	99	173630	20.0	17.3	
15 Pentane	43	3.150	3.156	-0.006	96	212127	20.0	20.5	
16 Ethanol	45	3.242	3.217	0.025	93	100035	1000.1	977.4	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.448	3.455	-0.006	93	140959	20.0	18.7	
18 Acrolein	56	3.546	3.546	0.000	99	349832	150.0	135.9	
20 1,1-Dichloroethene	96	3.698	3.698	0.000	97	108496	20.0	18.4	
21 Acetone	58	3.716	3.722	-0.006	100	173747	150.0	161.6	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.728	3.728	0.000	88	101323	20.0	17.6	
23 Isopropyl alcohol	45	3.880	3.880	0.000	97	89137	150.0	138.9	
24 Iodomethane	142	3.905	3.905	0.000	97	183407	20.0	18.2	
25 Carbon disulfide	76	4.014	4.014	0.000	99	363887	20.0	18.6	
26 Methyl acetate	43	4.160	4.160	0.000	98	159656	20.0	24.4	
27 3-Chloro-1-propene	41	4.197	4.191	0.006	93	208271	20.0	21.3	
* 29 t-Butyl alcohol-d10 (IS)	65	4.397	4.373	0.024	0	350461	250.0	250.0	
28 Methylene Chloride	84	4.391	4.385	0.006	93	135223	20.0	20.1	
31 2-Methyl-2-propanol	59	4.519	4.507	0.012	99	237448	200.0	171.3	
32 Acrylonitrile	53	4.726	4.726	0.000	99	422859	100.0	123.1	
33 Methyl tert-butyl ether	73	4.793	4.793	0.000	90	391660	20.0	18.3	
34 trans-1,2-Dichloroethene	96	4.817	4.817	0.000	98	126874	20.0	18.9	
36 Hexane	57	5.237	5.243	-0.006	92	209255	20.0	20.9	
37 1,1-Dichloroethane	63	5.468	5.474	-0.006	96	233466	20.0	19.4	
39 Isopropyl ether	45	5.523	5.523	0.000	96	459629	20.0	21.9	
40 2-Chloro-1,3-butadiene	53	5.584	5.584	0.000	91	201990	20.0	18.2	
41 Tert-butyl ethyl ether	59	6.064	6.064	0.000	98	417303	20.0	19.4	
43 2-Butanone (MEK)	43	6.259	6.259	0.000	100	876764	150.0	182.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 cis-1,2-Dichloroethene	96	6.308	6.308	0.000	83	151387	20.0	19.6	
45 2,2-Dichloropropane	77	6.326	6.326	0.000	86	191057	20.0	17.3	
46 Propionitrile	54	6.344	6.350	-0.006	99	283941	150.0	169.0	a
47 Methacrylonitrile	67	6.569	6.569	0.000	92	660119	150.0	168.8	
48 Chlorobromomethane	128	6.642	6.642	0.000	93	66407	20.0	18.5	
49 Tetrahydrofuran	71	6.648	6.648	0.000	88	161715	100.0	88.7	
50 Chloroform	83	6.788	6.788	0.000	94	221720	20.0	18.6	
$ 51 Dibromofluoromethane (Surr)	113	7.007	7.007	0.000	94	262561	50.0	47.6	
52 1,1,1-Trichloroethane	97	7.019	7.019	0.000	98	183335	20.0	17.1	
54 Cyclohexane	56	7.123	7.129	-0.006	91	245169	20.0	20.3	
56 1,1-Dichloropropene	75	7.232	7.238	-0.006	95	176310	20.0	18.0	
55 Carbon tetrachloride	117	7.238	7.238	0.000	79	153628	20.0	17.4	
58 Isobutyl alcohol	41	7.354	7.354	0.000	95	254369	500.0	555.8	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.470	7.470	0.000	98	72325	50.0	48.6	
60 Benzene	78	7.500	7.500	0.000	97	556981	20.0	19.5	
61 1,2-Dichloroethane	62	7.567	7.573	-0.006	97	171351	20.0	17.7	
62 Tert-amyl methyl ether	73	7.683	7.683	0.000	99	412220	20.0	19.3	
* 64 Fluorobenzene (IS)	96	7.902	7.902	0.000	99	1188246	50.0	50.0	
65 n-Heptane	43	7.914	7.914	0.000	90	197210	20.0	19.9	
66 n-Butanol	56	8.242	8.242	0.000	89	431448	1000.0	1021.2	
67 Trichloroethene	95	8.382	8.382	0.000	99	132356	20.0	18.2	
68 Methylcyclohexane	83	8.699	8.699	0.000	94	246153	20.0	18.7	
69 2-ethoxy-2-methyl butane	87	8.717	8.717	0.000	90	216830	20.0	19.0	
70 1,2-Dichloropropane	63	8.717	8.723	-0.006	70	149148	20.0	20.8	
71 Methyl methacrylate	69	8.796	8.790	0.006	94	134803	20.0	19.3	
72 1,4-Dioxane	88	8.808	8.796	0.012	92	43365	500.0	470.0	M
74 Dibromomethane	93	8.832	8.832	0.000	97	80107	20.0	18.7	
75 Dichlorobromomethane	83	9.064	9.064	0.000	100	166731	20.0	18.3	
77 2-Nitropropane	41	9.325	9.319	0.006	98	52089	20.0	15.0	
78 2-Chloroethyl vinyl ether	63	9.416	9.410	0.006	92	106798	20.0	19.6	
79 cis-1,3-Dichloropropene	75	9.599	9.599	0.000	95	221005	20.0	18.4	
80 4-Methyl-2-pentanone (MIBK)	43	9.757	9.757	0.000	96	1166835	100.0	120.1	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1136756	50.0	50.1	
82 Toluene	92	9.976	9.976	0.000	98	353760	20.0	20.1	
84 trans-1,3-Dichloropropene	75	10.225	10.226	-0.001	93	197099	20.0	19.0	
85 Ethyl methacrylate	69	10.280	10.280	0.000	90	219192	20.0	20.4	
86 1,1,2-Trichloroethane	97	10.432	10.432	0.000	90	124679	20.0	20.4	
87 Tetrachloroethene	166	10.518	10.524	-0.006	97	137106	20.0	17.5	
88 1,3-Dichloropropane	76	10.591	10.591	-0.001	91	214689	20.0	20.1	
89 2-Hexanone	43	10.633	10.633	0.000	97	890906	100.0	124.9	
90 Chlorodibromomethane	129	10.803	10.810	-0.007	90	127939	20.0	19.9	
91 Ethylene Dibromide	107	10.919	10.919	0.000	99	126156	20.0	19.9	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	87	845429	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.351	-0.006	98	196677	20.0	18.9	
95 Chlorobenzene	112	11.369	11.369	0.000	94	371903	20.0	19.6	
96 1,1,1,2-Tetrachloroethane	131	11.454	11.448	0.006	96	124181	20.0	19.3	
97 Ethylbenzene	91	11.454	11.454	0.000	98	673917	20.0	19.8	
98 m-Xylene & p-Xylene	106	11.564	11.570	-0.006	99	537540	40.0	40.3	
99 o-Xylene	106	11.898	11.898	0.000	96	263986	20.0	20.3	
100 Styrene	104	11.911	11.911	0.000	96	433197	20.0	19.7	
101 Bromoform	173	12.075	12.069	0.006	96	88695	20.0	19.8	
102 Isopropylbenzene	105	12.197	12.197	0.000	95	689528	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
103 Cyclohexanone	55	12.270	12.270	0.000	92	179040	500.0	474.6	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.343	0.000	88	424747	50.0	48.0	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	94	204300	20.0	21.8	
106 Bromobenzene	156	12.458	12.458	0.000	92	157286	20.0	20.8	
107 trans-1,4-Dichloro-2-butene	53	12.464	12.464	0.000	94	313534	100.0	94.8	
108 1,2,3-Trichloropropane	110	12.482	12.483	-0.001	82	61975	20.0	21.0	
109 N-Propylbenzene	91	12.525	12.525	0.000	99	812164	20.0	20.4	
110 2-Chlorotoluene	126	12.604	12.604	0.000	96	157260	20.0	20.3	
111 1,3,5-Trimethylbenzene	105	12.659	12.659	0.000	93	572893	20.0	19.7	
112 4-Chlorotoluene	126	12.695	12.695	0.000	97	160766	20.0	20.0	
113 tert-Butylbenzene	134	12.902	12.902	0.000	93	116538	20.0	18.7	
114 Pentachloroethane	167	12.939	12.939	0.000	90	93260	20.0	23.2	
115 1,2,4-Trimethylbenzene	105	12.945	12.945	0.000	97	589912	20.0	19.9	
116 sec-Butylbenzene	105	13.067	13.067	0.000	94	722261	20.0	19.7	
117 1,3-Dichlorobenzene	146	13.170	13.170	0.000	97	301246	20.0	20.4	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	613278	20.0	19.6	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	435667	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.243	13.243	0.000	95	306409	20.0	20.5	
121 1,2,3-Trimethylbenzene	105	13.249	13.249	0.000	98	615717	20.0	20.8	
122 Benzyl chloride	91	13.316	13.316	0.000	98	440726	20.0	20.7	
123 1,3-Diethylbenzene	119	13.371	13.371	0.000	96	370009	20.0	19.2	
124 p-Diethylbenzene	119	13.444	13.444	0.000	95	384215	20.0	19.1	
125 n-Butylbenzene	92	13.462	13.462	0.000	98	311806	20.0	19.8	
126 1,2-Dichlorobenzene	146	13.505	13.505	0.000	98	284457	20.0	20.3	
127 o-diethylbenzene	119	13.517	13.517	0.000	95	305925	20.0	19.3	
129 1,2-Dibromo-3-Chloropropane	75	14.046	14.040	0.006	84	49435	20.0	20.3	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	98	195341	20.0	19.8	
131 1,2,4-Trichlorobenzene	180	14.600	14.600	0.000	94	180399	20.0	20.6	
132 Hexachlorobutadiene	225	14.679	14.679	0.000	97	70621	20.0	19.8	
133 Naphthalene	128	14.782	14.782	0.000	97	671117	20.0	20.9	
134 1,2,3-Trichlorobenzene	180	14.928	14.928	0.000	96	168613	20.0	20.5	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	93	345321	20.0	19.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_Q_QVOA1_00062	Amount Added: 50.00	Units: uL	
MSV_QCYC_00004	Amount Added: 50.00	Units: uL	
MSV_Q_QARC_00061	Amount Added: 50.00	Units: uL	
MSV_Q_ETOH_00008	Amount Added: 50.00	Units: uL	
MSV_Q_QVOA6_00059	Amount Added: 50.00	Units: uL	
MSV_Q_QGases_00116	Amount Added: 50.00	Units: uL	
MSV_HP11_ISSS_00005	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 05-Jan-2021 22:04:37 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210105-19274.b\NJ05L35.D

Injection Date: 05-Jan-2021 20:02:30 Instrument ID: 7159 Operator ID: etp33087

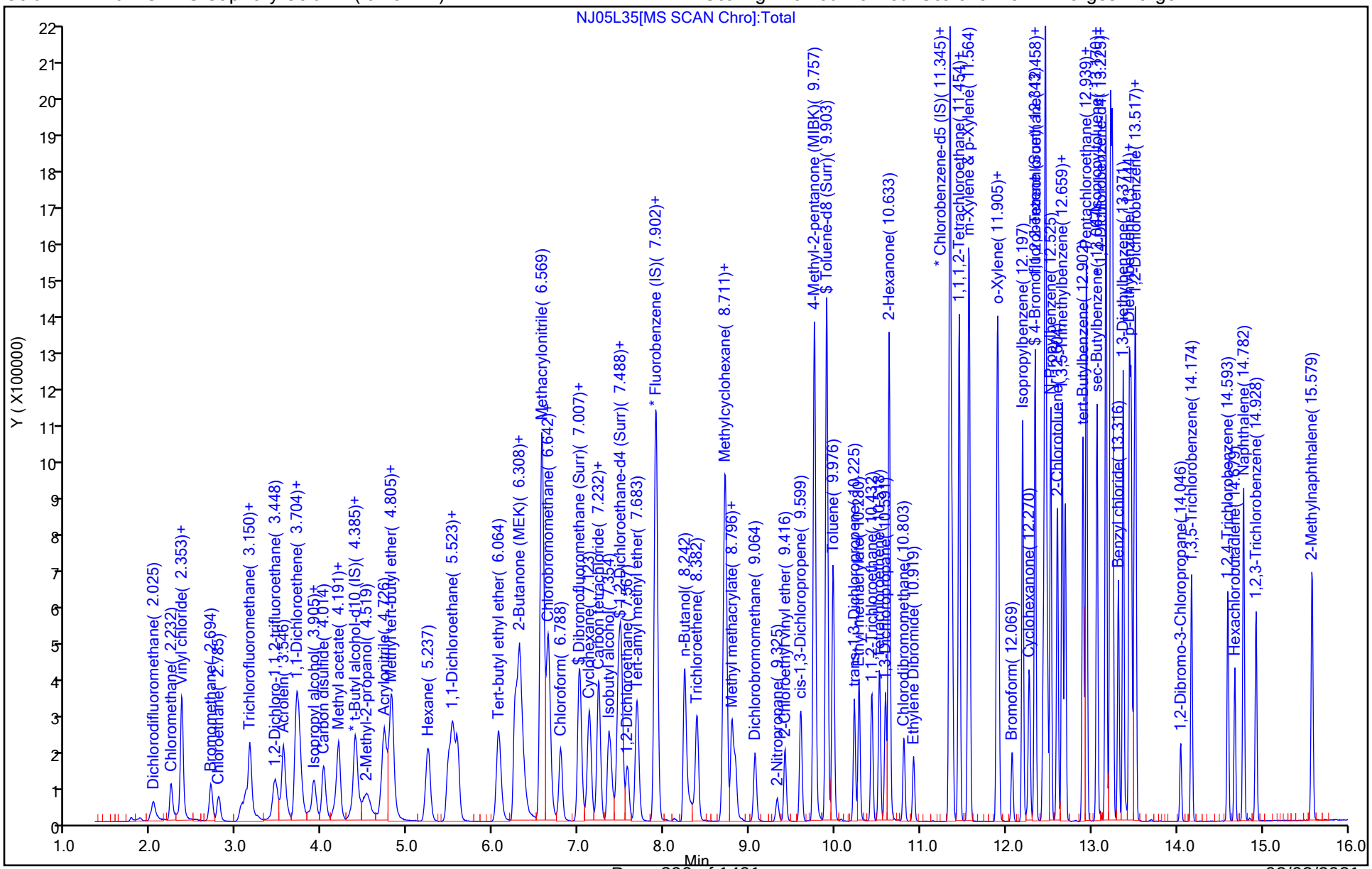
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-82360/5

Matrix: Water Lab File ID: NJ06L01.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 09:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	20.0		1.0	0.20
100-41-4	Ethylbenzene	20.5		1.0	0.40
108-88-3	Toluene	20.7		1.0	0.20
1330-20-7	Xylenes, Total	61.6		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	18.3		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06L01.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Jan-2021 09:11:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-005
Misc. Info.: LCS
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 10:43:38 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 09:43:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.025	2.013	0.012	99	131020	20.0	20.6	
6 Chloromethane	50	2.226	2.225	0.001	99	160646	20.0	19.2	
8 Vinyl chloride	62	2.347	2.347	0.000	84	156847	20.0	19.4	
9 Butadiene	39	2.353	2.347	0.006	92	218347	20.0	28.7	
10 Bromomethane	94	2.694	2.688	0.006	90	113227	20.0	20.3	
11 Chloroethane	64	2.785	2.779	0.006	99	105738	20.0	20.2	
13 Trichlorofluoromethane	101	3.102	3.095	0.007	98	182318	20.0	18.2	
15 Pentane	43	3.150	3.144	0.006	98	231275	20.0	22.3	M
16 Ethanol	45	3.211	3.223	-0.012	23	87241	1000.1	1031.5	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.448	3.442	0.006	93	149827	20.0	19.9	
18 Acrolein	56	3.546	3.539	0.007	100	322187	150.0	151.4	
20 1,1-Dichloroethene	96	3.692	3.685	0.007	98	112834	20.0	19.2	
21 Acetone	58	3.722	3.710	0.012	100	151733	150.0	170.8	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.728	3.716	0.012	76	113916	20.0	19.8	
23 Isopropyl alcohol	45	3.886	3.868	0.018	96	87320	150.0	164.7	
24 Iodomethane	142	3.905	3.892	0.013	97	187433	20.0	18.6	
25 Carbon disulfide	76	4.014	4.008	0.006	99	385736	20.0	19.7	
26 Methyl acetate	43	4.154	4.154	0.000	98	149368	20.0	22.8	
27 3-Chloro-1-propene	41	4.191	4.184	0.007	93	214209	20.0	21.9	
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.367	0.012	0	289616	250.0	250.0	
28 Methylene Chloride	84	4.391	4.379	0.012	93	138883	20.0	20.7	
31 2-Methyl-2-propanol	59	4.501	4.501	0.000	100	248573	200.0	217.0	
32 Acrylonitrile	53	4.720	4.714	0.006	99	400336	100.0	116.6	
33 Methyl tert-butyl ether	73	4.787	4.781	0.006	95	391356	20.0	18.3	
34 trans-1,2-Dichloroethene	96	4.811	4.805	0.006	99	129525	20.0	19.4	
36 Hexane	57	5.231	5.231	0.000	92	225338	20.0	22.5	
37 1,1-Dichloroethane	63	5.474	5.468	0.006	96	242154	20.0	20.1	
39 Isopropyl ether	45	5.523	5.517	0.006	95	465836	20.0	22.3	
40 2-Chloro-1,3-butadiene	53	5.578	5.577	0.001	91	212014	20.0	19.1	
41 Tert-butyl ethyl ether	59	6.058	6.058	0.000	98	428276	20.0	19.9	
43 2-Butanone (MEK)	43	6.259	6.253	0.006	100	842458	150.0	175.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 cis-1,2-Dichloroethene	96	6.308	6.301	0.007	83	154796	20.0	20.0	
45 2,2-Dichloropropane	77	6.320	6.320	0.000	89	204131	20.0	18.5	
46 Propionitrile	54	6.338	6.344	-0.006	99	258353	150.0	186.1	
47 Methacrylonitrile	67	6.569	6.563	0.006	93	640371	150.0	163.9	
48 Chlorobromomethane	128	6.642	6.636	0.006	97	65495	20.0	18.3	
49 Tetrahydrofuran	71	6.636	6.636	0.000	87	155543	100.0	103.2	
50 Chloroform	83	6.788	6.782	0.006	95	223006	20.0	18.7	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	94	264592	50.0	48.0	
52 1,1,1-Trichloroethane	97	7.025	7.019	0.006	97	191720	20.0	17.8	
54 Cyclohexane	56	7.129	7.117	0.012	91	264281	20.0	21.9	
56 1,1-Dichloropropene	75	7.232	7.232	0.000	96	186655	20.0	19.1	
55 Carbon tetrachloride	117	7.238	7.232	0.006	95	161009	20.0	18.3	
58 Isobutyl alcohol	41	7.354	7.354	0.000	95	221771	500.0	586.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.464	7.463	0.001	98	72258	50.0	48.6	
60 Benzene	78	7.494	7.494	0.000	97	570621	20.0	20.0	
61 1,2-Dichloroethane	62	7.567	7.567	0.000	97	170715	20.0	17.7	
62 Tert-amyl methyl ether	73	7.683	7.682	0.000	98	418742	20.0	19.7	
* 64 Fluorobenzene (IS)	96	7.902	7.901	0.001	99	1187537	50.0	50.0	
65 n-Heptane	43	7.908	7.907	0.001	92	219671	20.0	22.1	
66 n-Butanol	56	8.236	8.242	-0.006	88	376828	1000.0	1079.3	
67 Trichloroethene	95	8.382	8.376	0.006	99	138524	20.0	19.1	
68 Methylcyclohexane	83	8.698	8.698	0.000	95	261302	20.0	19.8	
69 2-ethoxy-2-methyl butane	87	8.717	8.717	0.000	90	217986	20.0	19.1	
70 1,2-Dichloropropane	63	8.717	8.717	0.000	69	152336	20.0	21.2	
71 Methyl methacrylate	69	8.796	8.790	0.006	92	135975	20.0	19.5	
72 1,4-Dioxane	88	8.802	8.802	0.000	35	34274	500.0	449.5	
74 Dibromomethane	93	8.832	8.832	0.000	96	80824	20.0	18.9	
75 Dichlorobromomethane	83	9.063	9.063	0.000	99	169981	20.0	18.6	
77 2-Nitropropane	41	9.319	9.319	0.000	99	50604	20.0	17.7	
78 2-Chloroethyl vinyl ether	63	9.416	9.410	0.006	91	109657	20.0	20.1	
79 cis-1,3-Dichloropropene	75	9.599	9.599	0.000	95	226291	20.0	18.8	
80 4-Methyl-2-pentanone (MIBK)	43	9.757	9.757	0.000	97	1132253	100.0	116.6	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1145643	50.0	49.9	
82 Toluene	92	9.976	9.976	0.000	98	368330	20.0	20.7	
84 trans-1,3-Dichloropropene	75	10.225	10.225	0.000	92	196876	20.0	18.7	
85 Ethyl methacrylate	69	10.280	10.280	0.000	90	229206	20.0	21.0	
86 1,1,2-Trichloroethane	97	10.432	10.426	0.006	89	129678	20.0	20.9	
87 Tetrachloroethene	166	10.517	10.517	0.000	97	145113	20.0	18.3	
88 1,3-Dichloropropane	76	10.590	10.590	0.000	90	221270	20.0	20.5	
89 2-Hexanone	43	10.633	10.633	0.000	97	895060	100.0	123.9	
90 Chlorodibromomethane	129	10.803	10.803	0.000	90	129510	20.0	19.9	
91 Ethylene Dibromide	107	10.919	10.919	0.000	97	130771	20.0	20.4	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	87	856050	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	97	211435	20.0	20.1	
95 Chlorobenzene	112	11.369	11.369	0.000	95	387911	20.0	20.1	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	96	128207	20.0	19.6	
97 Ethylbenzene	91	11.454	11.454	0.000	98	707751	20.0	20.5	
98 m-Xylene & p-Xylene	106	11.570	11.564	0.006	100	553460	40.0	41.0	
99 o-Xylene	106	11.898	11.898	0.000	97	271224	20.0	20.6	
100 Styrene	104	11.911	11.910	0.001	95	450373	20.0	20.3	
101 Bromoform	173	12.075	12.069	0.006	97	87844	20.0	19.4	
102 Isopropylbenzene	105	12.197	12.196	0.001	95	717606	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
103 Cyclohexanone	55	12.270	12.269	0.001	92	141162	500.0	452.8	
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.342	0.001	91	426374	50.0	47.6	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	95	205171	20.0	21.5	
106 Bromobenzene	156	12.458	12.458	0.000	92	160257	20.0	20.8	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.464	-0.006	89	265997	100.0	78.9	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	84	62688	20.0	20.8	
109 N-Propylbenzene	91	12.525	12.525	0.000	99	862586	20.0	21.3	
110 2-Chlorotoluene	126	12.604	12.604	0.000	96	165313	20.0	20.9	
111 1,3,5-Trimethylbenzene	105	12.659	12.659	0.000	94	591870	20.0	20.0	
112 4-Chlorotoluene	126	12.695	12.695	0.000	97	172154	20.0	21.0	
113 tert-Butylbenzene	134	12.902	12.902	0.000	93	124320	20.0	19.6	
114 Pentachloroethane	167	12.933	12.939	-0.006	92	94844	20.0	23.2	
115 1,2,4-Trimethylbenzene	105	12.945	12.945	0.000	97	609596	20.0	20.2	
116 sec-Butylbenzene	105	13.066	13.066	0.000	94	770336	20.0	20.6	
117 1,3-Dichlorobenzene	146	13.164	13.170	-0.006	98	314184	20.0	20.8	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	650543	20.0	20.4	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	95	444158	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.243	13.243	0.000	95	319923	20.0	21.0	
121 1,2,3-Trimethylbenzene	105	13.249	13.249	0.000	98	634142	20.0	21.1	
122 Benzyl chloride	91	13.316	13.316	0.000	98	451494	20.0	20.8	
123 1,3-Diethylbenzene	119	13.371	13.371	0.000	95	389716	20.0	19.9	
124 p-Diethylbenzene	119	13.444	13.444	0.000	94	412938	20.0	20.2	
125 n-Butylbenzene	92	13.462	13.462	0.000	98	323178	20.0	20.1	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	294285	20.0	20.6	
127 o-diethylbenzene	119	13.517	13.517	0.000	95	318704	20.0	19.7	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.046	-0.006	88	47283	20.0	19.0	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	98	206551	20.0	20.5	
131 1,2,4-Trichlorobenzene	180	14.600	14.599	0.001	95	182081	20.0	20.4	
132 Hexachlorobutadiene	225	14.679	14.678	0.001	97	74460	20.0	20.5	
133 Naphthalene	128	14.782	14.782	0.000	97	663561	20.0	20.2	
134 1,2,3-Trichlorobenzene	180	14.928	14.928	0.000	97	166726	20.0	19.9	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	92	321400	20.0	17.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_Q_QVOA1_00062	Amount Added: 50.00	Units: uL	
MSV_QCYC_00004	Amount Added: 50.00	Units: uL	
MSV_Q_QARC_00061	Amount Added: 50.00	Units: uL	
MSV_Q_ETOH_00008	Amount Added: 50.00	Units: uL	
MSV_Q_QVOA6_00059	Amount Added: 50.00	Units: uL	
MSV_Q_QGases_00116	Amount Added: 50.00	Units: uL	
MSV_HP11_ISSS_00005	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 06-Jan-2021 10:43:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06L01.D

Injection Date: 06-Jan-2021 09:11:30 Instrument ID: 7159 Operator ID: lcp00895

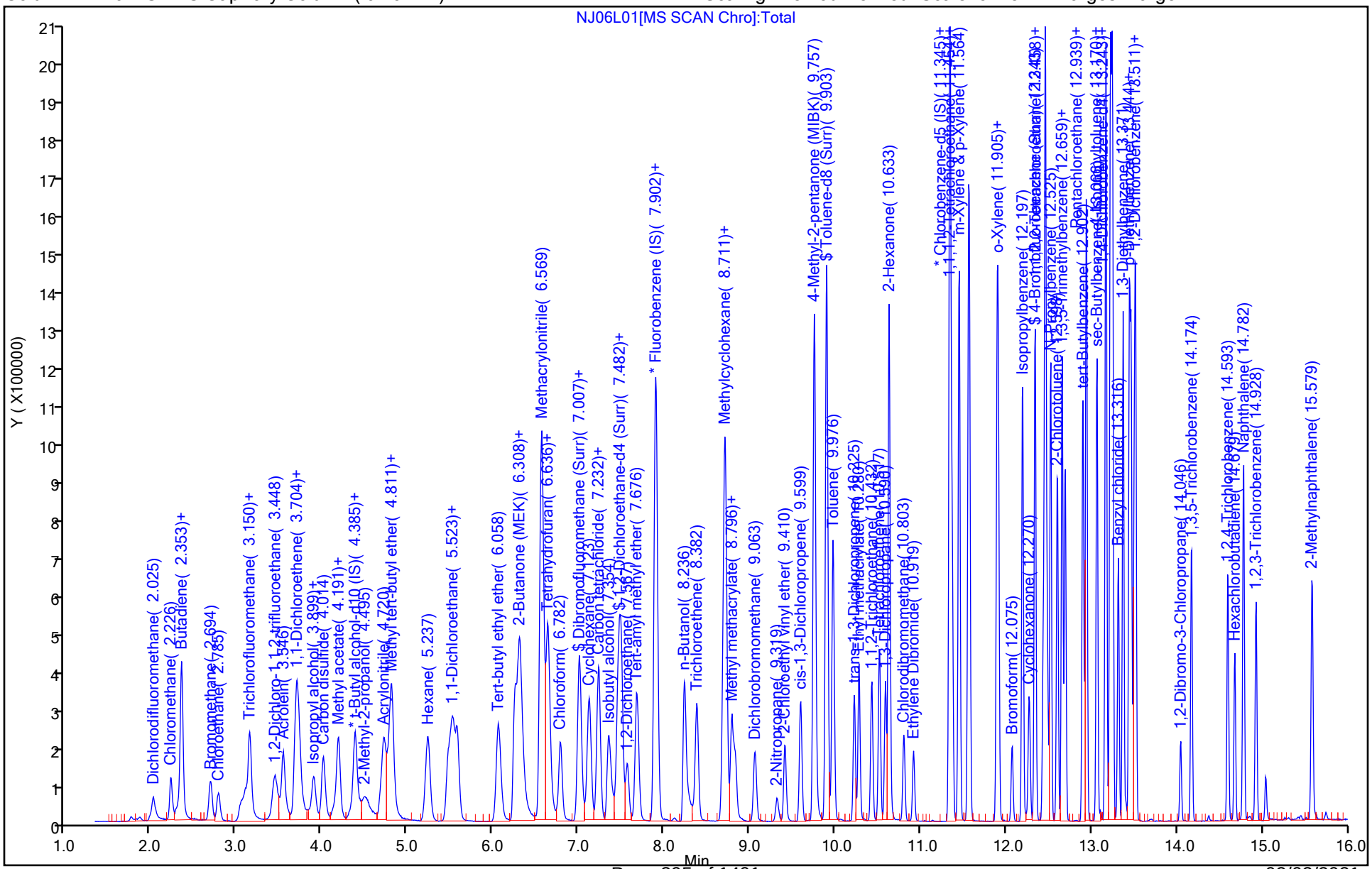
Lims ID: LCS Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-10D-20201228 MS Lab Sample ID: 410-25282-3 MS

Matrix: Ground Water Lab File ID: NJ06S04.D

Analysis Method: 8260C Date Collected: 12/28/2020 14:31

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	22.1		1.0	0.20
100-41-4	Ethylbenzene	22.4		1.0	0.40
108-88-3	Toluene	22.4		1.0	0.20
1330-20-7	Xylenes, Total	66.8		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	18.9		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S04.D
Lims ID: 410-25282-A-3 MS
Client ID: MW-10D-20201228
Sample Type: MS
Inject. Date: 06-Jan-2021 11:55:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-011
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 12:51:09 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 12:21:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.019	2.013	0.006	99	144771	20.0	23.2	
6 Chloromethane	50	2.219	2.225	-0.006	99	183845	20.0	22.4	
8 Vinyl chloride	62	2.341	2.347	-0.006	83	182982	20.0	23.0	
9 Butadiene	39	2.341	2.347	-0.006	91	229742	20.0	30.7	
10 Bromomethane	94	2.682	2.688	-0.006	90	121930	20.0	22.2	
11 Chloroethane	64	2.773	2.779	-0.006	99	113383	20.0	22.1	
13 Trichlorofluoromethane	101	3.095	3.095	0.000	98	213106	20.0	21.7	
15 Pentane	43	3.138	3.144	-0.006	96	271200	20.0	26.7	
16 Ethanol	45	3.199	3.223	-0.024	36	97170	1000.1	1143.2	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.442	3.442	0.000	94	171463	20.0	23.2	
18 Acrolein	56	3.533	3.539	-0.006	99	306276	150.0	143.2	
20 1,1-Dichloroethene	96	3.679	3.685	-0.006	97	131863	20.0	22.8	
21 Acetone	58	3.704	3.710	-0.006	100	153041	150.0	171.4	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.716	3.716	0.000	62	131018	20.0	23.2	
23 Isopropyl alcohol	45	3.868	3.868	0.000	98	79331	150.0	148.9	
24 Iodomethane	142	3.892	3.892	0.000	96	200779	20.0	20.2	
25 Carbon disulfide	76	4.002	4.008	-0.006	99	432438	20.0	22.5	
26 Methyl acetate	43	4.148	4.154	-0.006	98	144674	20.0	22.5	
27 3-Chloro-1-propene	41	4.178	4.184	-0.006	94	238883	20.0	24.8	
* 29 t-Butyl alcohol-d10 (IS)	65	4.361	4.367	-0.006	0	291033	250.0	250.0	
28 Methylene Chloride	84	4.373	4.379	-0.006	95	143873	20.0	21.8	
31 2-Methyl-2-propanol	59	4.488	4.501	-0.013	100	234555	200.0	203.7	
32 Acrylonitrile	53	4.707	4.714	-0.007	100	401623	100.0	119.1	
33 Methyl tert-butyl ether	73	4.787	4.781	0.006	94	396297	20.0	18.9	
34 trans-1,2-Dichloroethene	96	4.811	4.805	0.006	99	143959	20.0	21.9	
36 Hexane	57	5.225	5.231	-0.006	93	261920	20.0	26.6	
37 1,1-Dichloroethane	63	5.468	5.468	0.000	96	261824	20.0	22.2	
39 Isopropyl ether	45	5.523	5.517	0.006	94	477512	20.0	23.2	
40 2-Chloro-1,3-butadiene	53	5.571	5.577	-0.006	90	240966	20.0	22.1	
41 Tert-butyl ethyl ether	59	6.058	6.058	0.000	98	430303	20.0	20.4	
43 2-Butanone (MEK)	43	6.247	6.253	-0.006	100	837267	150.0	177.2	
44 cis-1,2-Dichloroethene	96	6.301	6.301	0.000	84	170277	20.0	22.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 2,2-Dichloropropane	77	6.320	6.320	0.000	87	225270	20.0	20.8	
46 Propionitrile	54	6.344	6.344	0.000	99	251710	150.0	180.4	
47 Methacrylonitrile	67	6.557	6.563	-0.006	93	643192	150.0	167.6	
48 Chlorobromomethane	128	6.636	6.636	0.000	65	68855	20.0	19.6	
49 Tetrahydrofuran	71	6.636	6.636	0.000	90	152355	100.0	100.6	
50 Chloroform	83	6.782	6.782	0.000	94	242323	20.0	20.7	
$ 51 Dibromofluoromethane (Surr)	113	6.995	7.001	-0.006	94	260991	50.0	48.2	
52 1,1,1-Trichloroethane	97	7.013	7.019	-0.006	98	212227	20.0	20.1	
54 Cyclohexane	56	7.117	7.117	0.000	90	309274	20.0	26.1	
56 1,1-Dichloropropene	75	7.232	7.232	0.000	95	211405	20.0	22.0	
55 Carbon tetrachloride	117	7.232	7.232	0.000	81	181007	20.0	20.9	
58 Isobutyl alcohol	41	7.354	7.354	0.000	96	214911	500.0	565.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.463	0.000	98	71387	50.0	48.9	
60 Benzene	78	7.488	7.494	-0.006	97	619352	20.0	22.1	
61 1,2-Dichloroethane	62	7.561	7.567	-0.006	97	173065	20.0	18.3	
62 Tert-amyl methyl ether	73	7.676	7.682	-0.006	99	429337	20.0	20.5	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1166039	50.0	50.0	
65 n-Heptane	43	7.907	7.907	0.000	92	252179	20.0	25.9	
66 n-Butanol	56	8.236	8.242	-0.006	89	385776	1000.0	1099.6	
67 Trichloroethene	95	8.376	8.376	0.000	98	151213	20.0	21.2	
68 Methylcyclohexane	83	8.692	8.698	-0.006	95	312370	20.0	24.1	
69 2-ethoxy-2-methyl butane	87	8.717	8.717	0.000	91	227898	20.0	20.3	
70 1,2-Dichloropropane	63	8.717	8.717	0.000	70	158616	20.0	22.5	
71 Methyl methacrylate	69	8.790	8.790	0.000	93	132909	20.0	19.4	
72 1,4-Dioxane	88	8.802	8.802	0.000	38	38974	500.0	508.6	
74 Dibromomethane	93	8.826	8.832	-0.006	97	82824	20.0	19.7	
75 Dichlorobromomethane	83	9.057	9.063	-0.006	99	175672	20.0	19.6	
77 2-Nitropropane	41	9.319	9.319	0.000	98	49873	20.0	17.3	
78 2-Chloroethyl vinyl ether	63		9.410				20.0	ND	7
79 cis-1,3-Dichloropropene	75	9.593	9.599	-0.006	96	227510	20.0	19.3	
80 4-Methyl-2-pentanone (MIBK)	43	9.757	9.757	0.000	97	1112024	100.0	116.6	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1128489	50.0	49.9	
82 Toluene	92	9.976	9.976	0.000	98	393571	20.0	22.4	
84 trans-1,3-Dichloropropene	75	10.225	10.225	0.000	92	203346	20.0	19.6	
85 Ethyl methacrylate	69	10.280	10.280	0.000	90	224737	20.0	20.9	
86 1,1,2-Trichloroethane	97	10.426	10.426	0.000	90	129565	20.0	21.2	
87 Tetrachloroethene	166	10.517	10.517	0.000	98	159455	20.0	20.4	
88 1,3-Dichloropropane	76	10.590	10.590	0.000	91	221597	20.0	20.8	
89 2-Hexanone	43	10.633	10.633	0.000	97	859438	100.0	120.7	
90 Chlorodibromomethane	129	10.803	10.803	0.000	91	131610	20.0	20.6	
91 Ethylene Dibromide	107	10.919	10.919	0.000	98	129917	20.0	20.6	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	843603	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	97	234533	20.0	22.6	
95 Chlorobenzene	112	11.369	11.369	0.000	94	406501	20.0	21.4	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	96	136073	20.0	21.2	
97 Ethylbenzene	91	11.454	11.454	0.000	98	759812	20.0	22.4	
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	99	598107	40.0	44.9	
99 o-Xylene	106	11.898	11.898	0.000	97	283915	20.0	21.9	
100 Styrene	104	11.910	11.910	0.000	95	467314	20.0	21.3	
101 Bromoform	173	12.069	12.069	0.000	97	89082	20.0	19.9	
102 Isopropylbenzene	105	12.196	12.196	0.000	95	786953	20.0	22.7	
103 Cyclohexanone	55	12.269	12.269	0.000	92	142137	500.0	453.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.342	0.000	88	417479	50.0	47.3	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	94	203555	20.0	21.7	
106 Bromobenzene	156	12.458	12.458	0.000	93	170038	20.0	22.5	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.464	-0.006	87	272332	100.0	82.5	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	82	61196	20.0	20.7	
109 N-Propylbenzene	91	12.525	12.525	0.000	99	934185	20.0	23.5	
110 2-Chlorotoluene	126	12.604	12.604	0.000	97	173087	20.0	22.4	
111 1,3,5-Trimethylbenzene	105	12.659	12.659	0.000	94	636222	20.0	21.9	
112 4-Chlorotoluene	126	12.695	12.695	0.000	97	176725	20.0	22.0	
113 tert-Butylbenzene	134	12.902	12.902	0.000	93	135181	20.0	21.7	
114 Pentachloroethane	167	12.939	12.939	0.000	94	98638	20.0	24.6	
115 1,2,4-Trimethylbenzene	105	12.945	12.945	0.000	97	642591	20.0	21.7	
116 sec-Butylbenzene	105	13.066	13.066	0.000	94	838270	20.0	22.9	
117 1,3-Dichlorobenzene	146	13.164	13.170	-0.006	98	325795	20.0	22.1	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	700814	20.0	22.4	
* 119 1,4-Dichlorobenzene-d4	152	13.224	13.225	-0.001	95	435093	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.243	13.243	0.000	95	337751	20.0	22.7	
121 1,2,3-Trimethylbenzene	105	13.249	13.249	0.000	98	666696	20.0	22.6	
122 Benzyl chloride	91	13.316	13.316	0.000	98	436642	20.0	20.6	
123 1,3-Diethylbenzene	119	13.370	13.371	-0.001	95	413698	20.0	21.5	
124 p-Diethylbenzene	119	13.444	13.444	0.000	95	439091	20.0	21.9	
125 n-Butylbenzene	92	13.462	13.462	0.000	98	351746	20.0	22.3	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	302979	20.0	21.7	
127 o-diethylbenzene	119	13.517	13.517	-0.001	96	341236	20.0	21.5	
129 1,2-Dibromo-3-Chloropropane	75	14.046	14.046	0.000	85	46039	20.0	18.9	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	97	212810	20.0	21.6	
131 1,2,4-Trichlorobenzene	180	14.593	14.599	-0.006	94	189719	20.0	21.7	
132 Hexachlorobutadiene	225	14.678	14.678	0.000	97	81551	20.0	22.9	
133 Naphthalene	128	14.782	14.782	0.000	97	647127	20.0	20.1	
134 1,2,3-Trichlorobenzene	180	14.928	14.928	0.000	95	168128	20.0	20.5	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	93	311950	20.0	17.3	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

MSV_Q_QVOA1_00062	Amount Added: 21.50	Units: uL	
MSV_QCYC_00004	Amount Added: 21.50	Units: uL	
MSV_Q_ETOH_00008	Amount Added: 21.50	Units: uL	
MSV_Q_QVOA6_00059	Amount Added: 21.50	Units: uL	
MSV_Q_QARC_00061	Amount Added: 21.50	Units: uL	
MSV_Q_QGases_00116	Amount Added: 21.50	Units: uL	
MSV_HP11_ISSS_00005	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 06-Jan-2021 12:53:53 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S04.D

Injection Date: 06-Jan-2021 11:55:30 Instrument ID: 7159 Operator ID: lcp00895

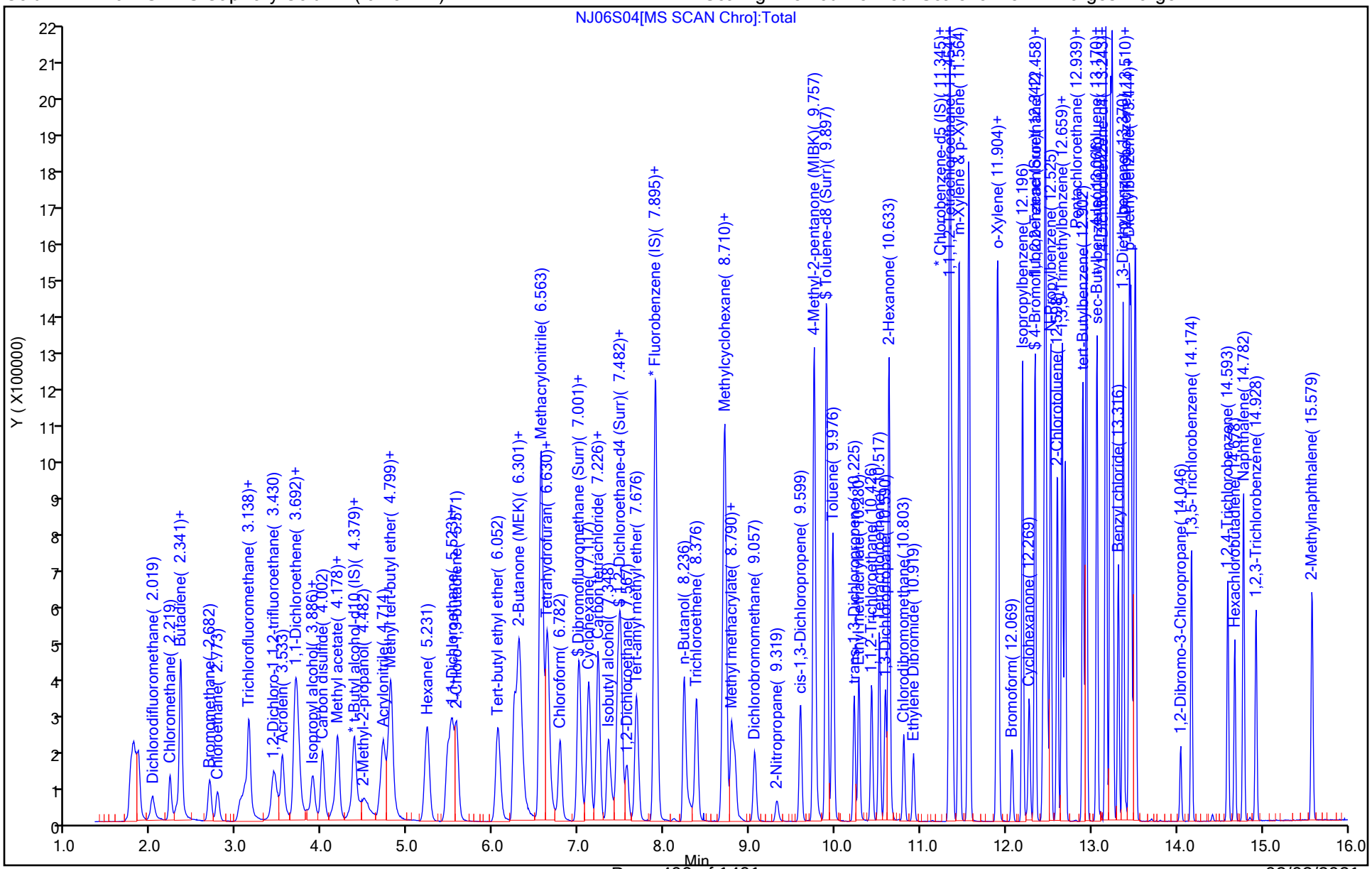
Lims ID: 410-25282-A-3 MS Worklist Smp#: 11

Client ID: MW-10D-20201228

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-10D-20201228 MSD Lab Sample ID: 410-25282-3 MSD

Matrix: Ground Water Lab File ID: NJ06S05.D

Analysis Method: 8260C Date Collected: 12/28/2020 14:31

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2021 12:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	22.6		1.0	0.20
100-41-4	Ethylbenzene	23.1		1.0	0.40
108-88-3	Toluene	22.9		1.0	0.20
1330-20-7	Xylenes, Total	68.6		6.0	1.4
1634-04-4	Methyl tertiary butyl ether	18.7		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S05.D
Lims ID: 410-25282-A-3 MSD
Client ID: MW-10D-20201228
Sample Type: MSD
Inject. Date: 06-Jan-2021 12:17:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 410-0019298-012
Operator ID: lcp00895 Instrument ID: 7159

Method: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\MSVoa_7159.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jan-2021 12:51:09 Calib Date: 09-Nov-2020 15:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\7159\20201109-15005.b\NN09I07.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1667

First Level Reviewer: papel Date: 06-Jan-2021 12:53:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.019	2.013	0.006	99	145500	20.0	23.6	
6 Chloromethane	50	2.226	2.225	0.001	99	182826	20.0	22.5	
8 Vinyl chloride	62	2.347	2.347	0.000	82	182232	20.0	23.2	
9 Butadiene	39	2.347	2.347	0.000	91	226826	20.0	30.7	
10 Bromomethane	94	2.688	2.688	0.000	89	120491	20.0	22.2	
11 Chloroethane	64	2.779	2.779	0.000	100	114579	20.0	22.6	
13 Trichlorofluoromethane	101	3.096	3.095	0.001	98	212789	20.0	21.9	
15 Pentane	43	3.144	3.144	0.000	97	273159	20.0	27.2	
16 Ethanol	45	3.205	3.223	-0.018	80	101292	1000.1	1133.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.442	3.442	0.000	93	173876	20.0	23.8	
18 Acrolein	56	3.540	3.539	0.001	100	329805	150.0	146.6	
20 1,1-Dichloroethene	96	3.686	3.685	0.001	98	131838	20.0	23.1	
21 Acetone	58	3.716	3.710	0.006	100	160373	150.0	170.7	
22 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.716	3.716	0.000	90	131623	20.0	23.6	
23 Isopropyl alcohol	45	3.874	3.868	0.006	97	77851	150.0	138.9	
24 Iodomethane	142	3.899	3.892	0.007	97	206076	20.0	21.0	
25 Carbon disulfide	76	4.008	4.008	0.000	99	446372	20.0	23.5	
26 Methyl acetate	43	4.148	4.154	-0.006	98	153591	20.0	24.2	
27 3-Chloro-1-propene	41	4.184	4.184	0.000	94	243206	20.0	25.6	
* 29 t-Butyl alcohol-d10 (IS)	65	4.367	4.367	0.000	0	306131	250.0	250.0	
28 Methylene Chloride	84	4.379	4.379	0.000	93	145636	20.0	22.4	
31 2-Methyl-2-propanol	59	4.495	4.501	-0.006	100	250643	200.0	207.0	
32 Acrylonitrile	53	4.708	4.714	-0.006	99	415660	100.0	124.7	
33 Methyl tert-butyl ether	73	4.781	4.781	0.000	96	387412	20.0	18.7	
34 trans-1,2-Dichloroethene	96	4.805	4.805	0.000	98	147985	20.0	22.8	
36 Hexane	57	5.231	5.231	0.000	92	269192	20.0	27.7	
37 1,1-Dichloroethane	63	5.468	5.468	0.000	96	265649	20.0	22.8	
39 Isopropyl ether	45	5.517	5.517	0.000	95	487413	20.0	24.0	
40 2-Chloro-1,3-butadiene	53	5.578	5.577	0.001	90	242006	20.0	22.5	
41 Tert-butyl ethyl ether	59	6.052	6.058	-0.006	98	430349	20.0	20.6	
43 2-Butanone (MEK)	43	6.253	6.253	0.000	100	866444	150.0	185.5	
44 cis-1,2-Dichloroethene	96	6.302	6.301	0.001	85	173267	20.0	23.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
45 2,2-Dichloropropane	77	6.314	6.320	-0.006	88	226285	20.0	21.1	
46 Propionitrile	54	6.344	6.344	0.000	99	267628	150.0	182.4	
47 Methacrylonitrile	67	6.563	6.563	0.000	91	654960	150.0	172.7	
48 Chlorobromomethane	128	6.630	6.636	-0.006	62	68938	20.0	19.8	
49 Tetrahydrofuran	71	6.636	6.636	0.000	90	156752	100.0	98.4	
50 Chloroform	83	6.788	6.782	0.006	93	241162	20.0	20.9	
$ 51 Dibromofluoromethane (Surr)	113	7.001	7.001	0.000	93	254786	50.0	47.6	
52 1,1,1-Trichloroethane	97	7.019	7.019	0.000	97	215741	20.0	20.7	
54 Cyclohexane	56	7.117	7.117	0.000	92	319244	20.0	27.3	
56 1,1-Dichloropropene	75	7.226	7.232	-0.006	95	213857	20.0	22.5	
55 Carbon tetrachloride	117	7.238	7.232	0.006	80	183757	20.0	21.5	
58 Isobutyl alcohol	41	7.354	7.354	0.000	97	227493	500.0	569.0	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.463	-0.006	98	71489	50.0	49.6	
60 Benzene	78	7.494	7.494	0.000	97	626131	20.0	22.6	
61 1,2-Dichloroethane	62	7.561	7.567	-0.006	97	171863	20.0	18.3	
62 Tert-amyl methyl ether	73	7.676	7.682	-0.006	99	424952	20.0	20.5	
* 64 Fluorobenzene (IS)	96	7.895	7.901	-0.006	99	1152692	50.0	50.0	
65 n-Heptane	43	7.908	7.907	0.001	91	258117	20.0	26.8	
66 n-Butanol	56	8.236	8.242	-0.006	89	411952	1000.0	1116.3	
67 Trichloroethene	95	8.376	8.376	0.000	99	155176	20.0	22.0	
68 Methylcyclohexane	83	8.698	8.698	0.000	94	313296	20.0	24.5	
69 2-ethoxy-2-methyl butane	87	8.717	8.717	0.000	90	230770	20.0	20.8	
70 1,2-Dichloropropane	63	8.717	8.717	0.000	70	157722	20.0	22.7	
71 Methyl methacrylate	69	8.790	8.790	0.000	93	133549	20.0	19.8	
72 1,4-Dioxane	88	8.796	8.802	-0.006	38	43781	500.0	543.2	
74 Dibromomethane	93	8.826	8.832	-0.006	98	80760	20.0	19.4	
75 Dichlorobromomethane	83	9.063	9.063	0.000	99	176773	20.0	20.0	
77 2-Nitropropane	41	9.325	9.319	0.006	99	51320	20.0	16.9	
78 2-Chloroethyl vinyl ether	63		9.410				20.0	ND	7
79 cis-1,3-Dichloropropene	75	9.599	9.599	0.000	96	231563	20.0	19.9	
80 4-Methyl-2-pentanone (MIBK)	43	9.757	9.757	0.000	96	1134393	100.0	120.3	
$ 81 Toluene-d8 (Surr)	98	9.903	9.903	0.000	93	1113463	50.0	50.0	
82 Toluene	92	9.976	9.976	0.000	98	395326	20.0	22.9	
84 trans-1,3-Dichloropropene	75	10.225	10.225	0.000	93	201798	20.0	19.8	
85 Ethyl methacrylate	69	10.280	10.280	0.000	90	227725	20.0	21.6	
86 1,1,2-Trichloroethane	97	10.426	10.426	0.000	90	130798	20.0	21.8	
87 Tetrachloroethene	166	10.517	10.517	0.000	98	163292	20.0	21.3	
88 1,3-Dichloropropane	76	10.590	10.590	0.000	90	221675	20.0	21.2	
89 2-Hexanone	43	10.633	10.633	0.000	97	882625	100.0	126.1	
90 Chlorodibromomethane	129	10.803	10.803	0.000	90	131554	20.0	20.9	
91 Ethylene Dibromide	107	10.919	10.919	0.000	96	134396	20.0	21.6	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	87	829628	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	97	239690	20.0	23.5	
95 Chlorobenzene	112	11.369	11.369	0.000	94	414690	20.0	22.2	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	94	137202	20.0	21.7	
97 Ethylbenzene	91	11.454	11.454	0.000	98	771697	20.0	23.1	
98 m-Xylene & p-Xylene	106	11.570	11.564	0.006	100	603813	40.0	46.1	
99 o-Xylene	106	11.898	11.898	0.000	96	286913	20.0	22.5	
100 Styrene	104	11.911	11.910	0.001	94	475238	20.0	22.1	
101 Bromoform	173	12.075	12.069	0.006	97	92339	20.0	21.0	
102 Isopropylbenzene	105	12.197	12.196	0.001	96	792746	20.0	23.3	
103 Cyclohexanone	55	12.270	12.269	0.001	92	166091	500.0	504.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.342	0.001	89	411732	50.0	47.5	
105 1,1,2,2-Tetrachloroethane	83	12.440	12.434	0.006	94	208496	20.0	22.6	
106 Bromobenzene	156	12.458	12.458	0.000	94	170418	20.0	22.9	
107 trans-1,4-Dichloro-2-butene	53	12.464	12.464	0.000	88	285115	100.0	87.7	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	84	61853	20.0	21.3	
109 N-Propylbenzene	91	12.525	12.525	0.000	99	944025	20.0	24.1	
110 2-Chlorotoluene	126	12.604	12.604	0.000	96	176080	20.0	23.1	
111 1,3,5-Trimethylbenzene	105	12.659	12.659	0.000	94	647006	20.0	22.6	
112 4-Chlorotoluene	126	12.695	12.695	0.000	97	179216	20.0	22.7	
113 tert-Butylbenzene	134	12.902	12.902	0.000	93	132388	20.0	21.6	
114 Pentachloroethane	167	12.933	12.939	-0.006	89	98262	20.0	24.9	
115 1,2,4-Trimethylbenzene	105	12.945	12.945	0.000	97	651260	20.0	22.3	
116 sec-Butylbenzene	105	13.066	13.066	0.000	94	845764	20.0	23.5	
117 1,3-Dichlorobenzene	146	13.164	13.170	-0.006	98	330272	20.0	22.7	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	708980	20.0	23.0	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	96	428670	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.243	-0.006	94	342439	20.0	23.3	
121 1,2,3-Trimethylbenzene	105	13.249	13.249	0.000	98	668372	20.0	23.0	
122 Benzyl chloride	91	13.316	13.316	0.000	99	441516	20.0	21.1	
123 1,3-Diethylbenzene	119	13.371	13.371	0.000	95	414262	20.0	21.9	
124 p-Diethylbenzene	119	13.444	13.444	0.000	94	440584	20.0	22.3	
125 n-Butylbenzene	92	13.462	13.462	0.000	98	359025	20.0	23.1	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	308195	20.0	22.4	
127 o-diethylbenzene	119	13.517	13.517	0.000	95	342626	20.0	21.9	
129 1,2-Dibromo-3-Chloropropane	75	14.046	14.046	0.000	86	46856	20.0	19.5	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	98	217155	20.0	22.4	
131 1,2,4-Trichlorobenzene	180	14.600	14.599	0.001	95	187483	20.0	21.8	
132 Hexachlorobutadiene	225	14.679	14.678	0.001	97	85010	20.0	24.2	
133 Naphthalene	128	14.782	14.782	0.000	97	669211	20.0	21.1	
134 1,2,3-Trichlorobenzene	180	14.928	14.928	0.000	95	170403	20.0	21.1	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	92	320680	20.0	18.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_QCYC_00004	Amount Added: 21.50	Units: uL	
MSV_Q_QVOA1_00062	Amount Added: 21.50	Units: uL	
MSV_Q_ETOH_00008	Amount Added: 21.50	Units: uL	
MSV_Q_QVOA6_00059	Amount Added: 21.50	Units: uL	
MSV_Q_QARC_00061	Amount Added: 21.50	Units: uL	
MSV_Q_QGases_00116	Amount Added: 21.50	Units: uL	
MSV_HP11_ISSS_00005	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 06-Jan-2021 12:53:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210106-19298.b\NJ06S05.D

Injection Date: 06-Jan-2021 12:17:30 Instrument ID: 7159 Operator ID: lcp00895

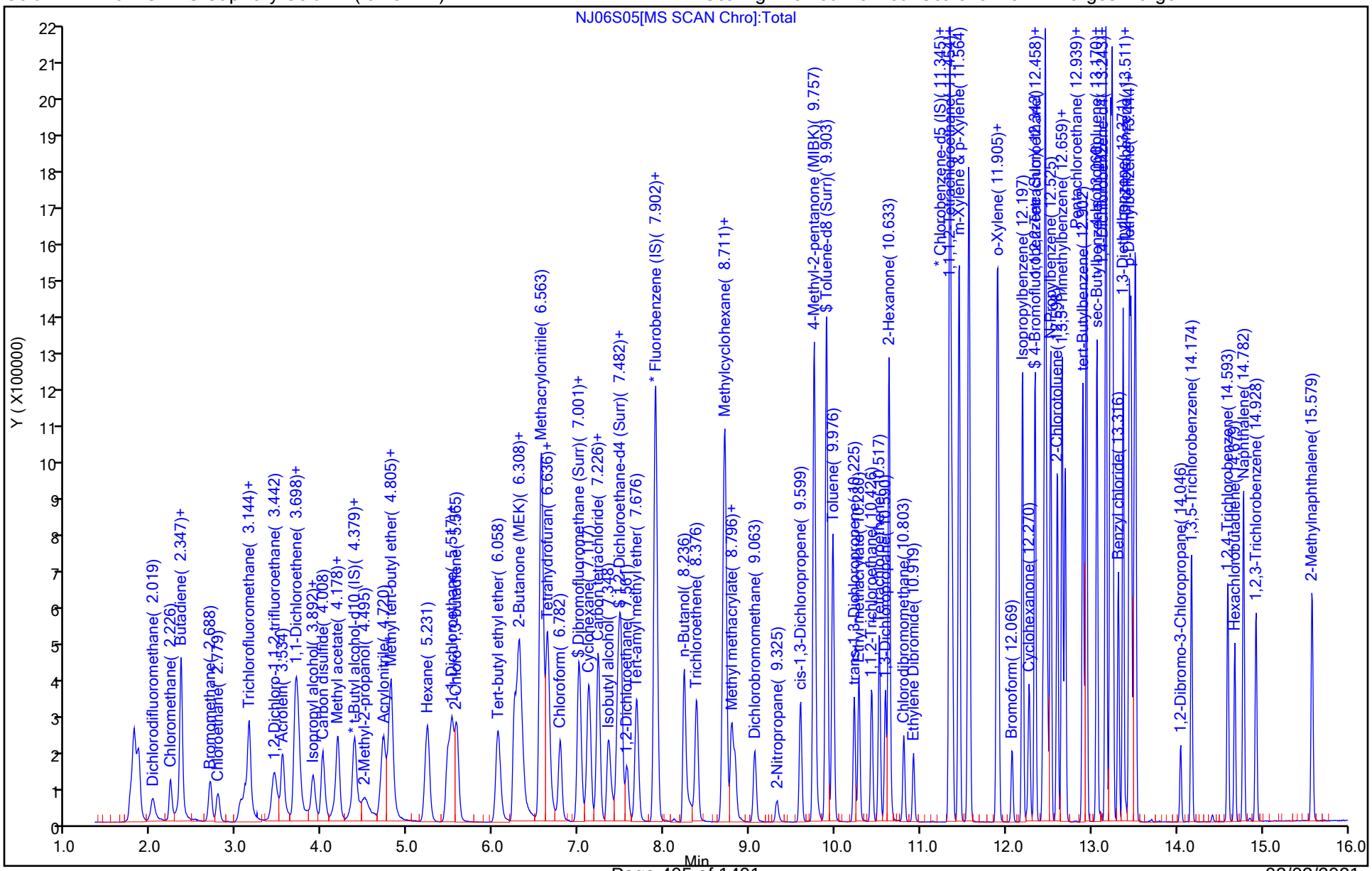
Lims ID: 410-25282-A-3 MSD Worklist Smp#: 12

Client ID: MW-10D-20201228

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: MSVoa_7159 Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: 7159 Start Date: 11/09/2020 12:33

Analysis Batch Number: 63741 End Date: 11/09/2020 16:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-63741/1		11/09/2020 12:33	1	NN09T01.D	R-624SilMS 30m 0.25(mm)
IC 410-63741/3		11/09/2020 13:40	1	NN09I01.D	R-624SilMS 30m 0.25(mm)
IC 410-63741/4		11/09/2020 14:02	1	NN09I02.D	R-624SilMS 30m 0.25(mm)
ICIS 410-63741/5		11/09/2020 14:24	1	NN09I03.D	R-624SilMS 30m 0.25(mm)
IC 410-63741/6		11/09/2020 14:46	1	NN09I04.D	R-624SilMS 30m 0.25(mm)
IC 410-63741/7		11/09/2020 15:08	1	NN09I05.D	R-624SilMS 30m 0.25(mm)
IC 410-63741/8		11/09/2020 15:30	1	NN09I06.D	R-624SilMS 30m 0.25(mm)
IC 410-63741/9		11/09/2020 15:52	1	NN09I07.D	R-624SilMS 30m 0.25(mm)
ICV 410-63741/10		11/09/2020 16:14	1	NN09V01.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: 7159 Start Date: 01/05/2021 19:02

Analysis Batch Number: 82265 End Date: 01/06/2021 05:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-82265/1		01/05/2021 19:02	1	NJ05T35.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-82265/3		01/05/2021 19:39	1	NJ05C35.D	R-624SilMS 30m 0.25(mm)
LCS 410-82265/4		01/05/2021 20:02	1	NJ05L35.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 20:24	1		R-624SilMS 30m 0.25(mm)
MB 410-82265/6		01/05/2021 20:46	1	NJ05B35.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 21:13	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 21:35	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 21:57	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 22:19	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 22:41	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 23:03	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 23:25	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/05/2021 23:48	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 00:10	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 00:32	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 00:54	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 01:16	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 01:38	1		R-624SilMS 30m 0.25(mm)
410-25282-1	MW-1-20201228	01/06/2021 02:00	5	NJ05S48.D	R-624SilMS 30m 0.25(mm)
410-25282-2	MW-10S-20201228	01/06/2021 02:22	1	NJ05S49.D	R-624SilMS 30m 0.25(mm)
410-25282-4	MW-8S-20201228	01/06/2021 02:44	5	NJ05S50.D	R-624SilMS 30m 0.25(mm)
410-25282-5	MW-8D-20201229	01/06/2021 03:06	1	NJ05S51.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 03:28	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 03:51	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 04:13	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 04:35	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 04:57	1		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 05:19	10		R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 05:41	1		R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: 7159 Start Date: 01/06/2021 07:49

Analysis Batch Number: 82360 End Date: 01/06/2021 17:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-82360/1		01/06/2021 07:49	1	NJ06T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-82360/3		01/06/2021 08:27	1	NJ06C01.D	R-624SilMS 30m 0.25(mm)
LCS 410-82360/5		01/06/2021 09:11	1	NJ06L01.D	R-624SilMS 30m 0.25(mm)
MB 410-82360/7		01/06/2021 09:55	1	NJ06B01.D	R-624SilMS 30m 0.25(mm)
410-25282-12	FB-20201229	01/06/2021 10:49	1	NJ06S01.D	R-624SilMS 30m 0.25(mm)
410-25282-21	Trip Blank-20201230	01/06/2021 11:11	1	NJ06S02.D	R-624SilMS 30m 0.25(mm)
410-25282-3	MW-10D-20201228	01/06/2021 11:33	1	NJ06S03.D	R-624SilMS 30m 0.25(mm)
410-25282-3 MS	MW-10D-20201228 MS	01/06/2021 11:55	1	NJ06S04.D	R-624SilMS 30m 0.25(mm)
410-25282-3 MSD	MW-10D-20201228 MSD	01/06/2021 12:17	1	NJ06S05.D	R-624SilMS 30m 0.25(mm)
410-25282-6	MW-7S-20201229	01/06/2021 12:39	1	NJ06S06.D	R-624SilMS 30m 0.25(mm)
410-25282-7	MW-7D-20201229	01/06/2021 13:01	1	NJ06S07.D	R-624SilMS 30m 0.25(mm)
410-25282-8	MW-14S-20201229	01/06/2021 13:23	1	NJ06S08.D	R-624SilMS 30m 0.25(mm)
410-25282-9	MW-14D-20201229	01/06/2021 13:45	1	NJ06S09.D	R-624SilMS 30m 0.25(mm)
410-25282-10	MW-12S-20201229	01/06/2021 14:07	1	NJ06S10.D	R-624SilMS 30m 0.25(mm)
410-25282-11	MW-12D-20201229	01/06/2021 14:30	1	NJ06S11.D	R-624SilMS 30m 0.25(mm)
410-25282-13	MW-11S-20201229	01/06/2021 14:52	1	NJ06S12.D	R-624SilMS 30m 0.25(mm)
410-25282-14	MW-11D-20201229	01/06/2021 15:14	1	NJ06S13.D	R-624SilMS 30m 0.25(mm)
410-25282-15	MW-4S-20201230	01/06/2021 15:36	1	NJ06S14.D	R-624SilMS 30m 0.25(mm)
410-25282-16	MW-4D-20201230	01/06/2021 15:58	1	NJ06S15.D	R-624SilMS 30m 0.25(mm)
410-25282-17	MW-3-20201230	01/06/2021 16:20	5	NJ06S16.D	R-624SilMS 30m 0.25(mm)
410-25282-18	MW-13D-20201230	01/06/2021 16:42	1	NJ06S17.D	R-624SilMS 30m 0.25(mm)
410-25282-19	MW-13S-20201230	01/06/2021 17:04	5	NJ06S18.D	R-624SilMS 30m 0.25(mm)
410-25282-20	DUP-20201230	01/06/2021 17:26	1	NJ06S19.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		01/06/2021 17:48	10		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 63741 Batch Start Date: 11/09/20 12:33 Batch Analyst: Green, Laura J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSV_4ppbEtOH 00112	MSV_502QGas 00115	MSV_DCFM 00054	MSV_HP11_ISSS 00005
BFB 410-63741/1		8260C		1 uL	1 uL				
IC 410-63741/3		8260C		5 mL	5 mL			7.5 uL	5 uL
IC 410-63741/4		8260C		5 mL	5 mL			2.5 uL	5 uL
ICIS 410-63741/5		8260C		5 mL	5 mL			2.5 uL	5 uL
IC 410-63741/6		8260C		5 mL	5 mL			2 uL	5 uL
IC 410-63741/7		8260C		5 mL	5 mL			1 uL	5 uL
IC 410-63741/8		8260C		5 mL	5 mL			2 uL	5 uL
IC 410-63741/9		8260C		5 mL	5 mL	12.5 mL			5 uL
ICV 410-63741/10		8260C		5 mL	5 mL		1 uL	1 uL	5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_Q_ETOH 00007	MSV_Q_QARC 00053	MSV_Q_QVOA1 00054	MSV_Q_QVOA6 00051	MSV_QCYC 00004	MSV_V_2CEVE 00120
BFB 410-63741/1		8260C							
IC 410-63741/3		8260C							15 uL
IC 410-63741/4		8260C							5 uL
ICIS 410-63741/5		8260C							5 uL
IC 410-63741/6		8260C							4 uL
IC 410-63741/7		8260C							2 uL
IC 410-63741/8		8260C							4 uL
IC 410-63741/9		8260C							
ICV 410-63741/10		8260C		50 uL	50 uL	50 uL	50 uL	50 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_BFB 00003	MSV_V_ETOH 00008	MSV_V_Gas 00172	MSV_V_VOA1 00108	MSV_V_VOA2 00057	MSV_V_VOA3 00054
BFB 410-63741/1		8260C		1 uL					
IC 410-63741/3		8260C			30 uL	7.5 uL	15 uL		6 uL
IC 410-63741/4		8260C			10 uL	2.5 uL	5 uL		2 uL
ICIS 410-63741/5		8260C			10 uL	2.5 uL	5 uL		2 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 63741 Batch Start Date: 11/09/20 12:33 Batch Analyst: Green, Laura J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_BFB 00003	MSV_V_ETOH 00008	MSV_V_Gas 00172	MSV_V_VOA1 00108	MSV_V_VOA2 00057	MSV_V_VOA3 00054
IC 410-63741/6		8260C			16 uL	2 uL	4 uL	4 uL	1.6 uL
IC 410-63741/7		8260C			8 uL	1 uL	2 uL	2 uL	0.8 uL
IC 410-63741/8		8260C			20 uL	2 uL	4 uL	12 uL	1.6 uL
IC 410-63741/9		8260C							
ICV 410-63741/10		8260C							

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_VOA6 00060	MSV_VCYC 00005				
BFB 410-63741/1		8260C							
IC 410-63741/3		8260C		15 uL	30 uL				
IC 410-63741/4		8260C		5 uL	10 uL				
ICIS 410-63741/5		8260C		5 uL	10 uL				
IC 410-63741/6		8260C		4 uL	16 uL				
IC 410-63741/7		8260C		2 uL	8 uL				
IC 410-63741/8		8260C		4 uL	32 uL				
IC 410-63741/9		8260C							
ICV 410-63741/10		8260C							

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 82265 Batch Start Date: 01/05/21 19:02 Batch Analyst: Pape, Linda C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-82265/1		8260C		1 uL	1 uL				
CCVIS 410-82265/3		8260C		5 mL	5 mL				0126201F
LCS 410-82265/4		8260C		5 mL	5 mL				0126201F
MB 410-82265/6		8260C		5 mL	5 mL				0126201F
410-25282-A-1	MW-1-2020128	8260C	T	5 mL	5 mL	<2 SU	N	N	0126201F
410-25282-A-2	MW-10S-20201228	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-4	MW-8S-20201228	8260C	T	5 mL	5 mL	<2 SU	N	N	0126201F
410-25282-A-5	MW-8D-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_HP11_ISSS 00005	MSV_Q_ETOH 00008	MSV_Q_QARC 00061	MSV_Q_QGases 00116	MSV_Q_QVOA1 00062	MSV_Q_QVOA6 00059
BFB 410-82265/1		8260C							
CCVIS 410-82265/3		8260C		5 uL					
LCS 410-82265/4		8260C		5 uL	50 uL	50 uL	50 uL	50 uL	50 uL
MB 410-82265/6		8260C		5 uL					
410-25282-A-1	MW-1-2020128	8260C	T	5 uL					
410-25282-A-2	MW-10S-20201228	8260C	T	5 uL					
410-25282-A-4	MW-8S-20201228	8260C	T	5 uL					
410-25282-A-5	MW-8D-20201229	8260C	T	5 uL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_QCYC 00004	MSV_V_2CEVE 00134	MSV_V_BFB 00003	MSV_V_ETOH 00011	MSV_V_Gas 00193	MSV_V_VOA1 00122
BFB 410-82265/1		8260C				1 uL			
CCVIS 410-82265/3		8260C			5 uL		10 uL	2.5 uL	5 uL
LCS 410-82265/4		8260C		50 uL					
MB 410-82265/6		8260C							
410-25282-A-1	MW-1-2020128	8260C	T						
410-25282-A-2	MW-10S-20201228	8260C	T						
410-25282-A-4	MW-8S-20201228	8260C	T						

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 Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 82265 Batch Start Date: 01/05/21 19:02 Batch Analyst: Pape, Linda C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_QCYC 00004	MSV_V_2CEVE 00134	MSV_V_BFB 00003	MSV_V_ETOH 00011	MSV_V_Gas 00193	MSV_V_VOA1 00122
410-25282-A-5	MW-8D-20201229	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_VOA3 00062	MSV_V_VOA6 00068	MSV_VCYC 00005	AnalysisComment		
BFB 410-82265/1		8260C							
CCVIS 410-82265/3		8260C		2 uL	5 uL	10 uL			
LCS 410-82265/4		8260C							
MB 410-82265/6		8260C							
410-25282-A-1	MW-1-2020128	8260C	T				2708		
410-25282-A-2	MW-10S-20201228	8260C	T						
410-25282-A-4	MW-8S-20201228	8260C	T				2708		
410-25282-A-5	MW-8D-20201229	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 82360 Batch Start Date: 01/06/21 07:49 Batch Analyst: Proctor, Evan

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-82360/1		8260C		1 uL	1 uL				
CCVIS 410-82360/3		8260C		5 mL	5 mL				0126201F
LCS 410-82360/5		8260C		5 mL	5 mL				0126201F
MB 410-82360/7		8260C		5 mL	5 mL				0126201F
410-25282-A-12	FB-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-21	Trip Blank-20201230	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-3	MW-10D-20201228	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-3 MS	MW-10D-20201228	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-3 MSD	MW-10D-20201228	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-6	MW-7S-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-7	MW-7D-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-8	MW-14S-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-9	MW-14D-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-10	MW-12S-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-11	MW-12D-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-13	MW-11S-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-14	MW-11D-20201229	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-15	MW-4S-20201230	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-16	MW-4D-20201230	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-17	MW-3-20201230	8260C	T	5 mL	5 mL	<2 SU	N	N	0126201F
410-25282-A-18	MW-13D-20201230	8260C	T	5 mL	5 mL	<2 SU	N	N	
410-25282-A-19	MW-13S-20201230	8260C	T	5 mL	5 mL	<2 SU	N	N	0126201F
410-25282-A-20	DUP-20201230	8260C	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DCFM 00055	MSV_HP11_ISSS 00005	MSV_Q_ETOH 00008	MSV_Q_QARC 00061	MSV_Q_QGases 00116	MSV_Q_QVOA1 00062
BFB 410-82360/1		8260C							
CCVIS 410-82360/3		8260C		2.5 uL	5 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 82360 Batch Start Date: 01/06/21 07:49 Batch Analyst: Proctor, Evan

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_DCFM 00055	MSV_HP11_ISSS 00005	MSV_Q_ETOH 00008	MSV_Q_QARC 00061	MSV_Q_QGases 00116	MSV_Q_QVOA1 00062
LCS 410-82360/5		8260C			5 uL	50 uL	50 uL	50 uL	50 uL
MB 410-82360/7		8260C			5 uL				
410-25282-A-12	FB-20201229	8260C	T		5 uL				
410-25282-A-21	Trip Blank-20201230	8260C	T		5 uL				
410-25282-A-3	MW-10D-20201228	8260C	T		5 uL				
410-25282-A-3 MS	MW-10D-20201228	8260C	T		5 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL
410-25282-A-3 MSD	MW-10D-20201228	8260C	T		5 uL	21.5 uL	21.5 uL	21.5 uL	21.5 uL
410-25282-A-6	MW-7S-20201229	8260C	T		5 uL				
410-25282-A-7	MW-7D-20201229	8260C	T		5 uL				
410-25282-A-8	MW-14S-20201229	8260C	T		5 uL				
410-25282-A-9	MW-14D-20201229	8260C	T		5 uL				
410-25282-A-10	MW-12S-20201229	8260C	T		5 uL				
410-25282-A-11	MW-12D-20201229	8260C	T		5 uL				
410-25282-A-13	MW-11S-20201229	8260C	T		5 uL				
410-25282-A-14	MW-11D-20201229	8260C	T		5 uL				
410-25282-A-15	MW-4S-20201230	8260C	T		5 uL				
410-25282-A-16	MW-4D-20201230	8260C	T		5 uL				
410-25282-A-17	MW-3-20201230	8260C	T		5 uL				
410-25282-A-18	MW-13D-20201230	8260C	T		5 uL				
410-25282-A-19	MW-13S-20201230	8260C	T		5 uL				
410-25282-A-20	DUP-20201230	8260C	T		5 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_Q_QVOA6 00059	MSV_QCYC 00004	MSV_V_2CEVE 00134	MSV_V_BFB 00003	MSV_V_ETOH 00011	MSV_V_Gas 00193
BFB 410-82360/1		8260C					1 uL		
CCVIS 410-82360/3		8260C				5 uL		10 uL	2.5 uL
LCS 410-82360/5		8260C		50 uL	50 uL				
MB 410-82360/7		8260C							
410-25282-A-12	FB-20201229	8260C	T						

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 Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 82360 Batch Start Date: 01/06/21 07:49 Batch Analyst: Proctor, Evan

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_Q_QVOA6 00059	MSV_QCYC 00004	MSV_V_2CEVE 00134	MSV_V_BFB 00003	MSV_V_ETOH 00011	MSV_V_Gas 00193
410-25282-A-21	Trip Blank-20201230	8260C	T						
410-25282-A-3	MW-10D-20201228	8260C	T						
410-25282-A-3 MS	MW-10D-20201228	8260C	T	21.5 uL	21.5 uL				
410-25282-A-3 MSD	MW-10D-20201228	8260C	T	21.5 uL	21.5 uL				
410-25282-A-6	MW-7S-20201229	8260C	T						
410-25282-A-7	MW-7D-20201229	8260C	T						
410-25282-A-8	MW-14S-20201229	8260C	T						
410-25282-A-9	MW-14D-20201229	8260C	T						
410-25282-A-10	MW-12S-20201229	8260C	T						
410-25282-A-11	MW-12D-20201229	8260C	T						
410-25282-A-13	MW-11S-20201229	8260C	T						
410-25282-A-14	MW-11D-20201229	8260C	T						
410-25282-A-15	MW-4S-20201230	8260C	T						
410-25282-A-16	MW-4D-20201230	8260C	T						
410-25282-A-17	MW-3-20201230	8260C	T						
410-25282-A-18	MW-13D-20201230	8260C	T						
410-25282-A-19	MW-13S-20201230	8260C	T						
410-25282-A-20	DUP-20201230	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_VOA1 00122	MSV_V_VOA3 00062	MSV_V_VOA6 00068	MSV_VCYC 00005	AnalysisComment	
BFB 410-82360/1		8260C							
CCVIS 410-82360/3		8260C		5 uL	2 uL	5 uL	10 uL		
LCS 410-82360/5		8260C							
MB 410-82360/7		8260C							
410-25282-A-12	FB-20201229	8260C	T						
410-25282-A-21	Trip Blank-20201230	8260C	T						
410-25282-A-3	MW-10D-20201228	8260C	T						

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 Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 82360 Batch Start Date: 01/06/21 07:49 Batch Analyst: Proctor, Evan

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_VOA1 00122	MSV_V_VOA3 00062	MSV_V_VOA6 00068	MSV_VCYC 00005	AnalysisComment	
410-25282-A-3 MS	MW-10D-20201228	8260C	T						
410-25282-A-3 MSD	MW-10D-20201228	8260C	T						
410-25282-A-6	MW-7S-20201229	8260C	T						
410-25282-A-7	MW-7D-20201229	8260C	T						
410-25282-A-8	MW-14S-20201229	8260C	T						
410-25282-A-9	MW-14D-20201229	8260C	T						
410-25282-A-10	MW-12S-20201229	8260C	T						
410-25282-A-11	MW-12D-20201229	8260C	T						
410-25282-A-13	MW-11S-20201229	8260C	T						
410-25282-A-14	MW-11D-20201229	8260C	T						
410-25282-A-15	MW-4S-20201230	8260C	T						
410-25282-A-16	MW-4D-20201230	8260C	T						
410-25282-A-17	MW-3-20201230	8260C	T					2708	
410-25282-A-18	MW-13D-20201230	8260C	T						
410-25282-A-19	MW-13S-20201230	8260C	T					2708	
410-25282-A-20	DUP-20201230	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHd14 #
MW-1-20201228	410-25282-1	69	74	76
MW-10S-20201228	410-25282-2	55	59	63
MW-10D-20201228	410-25282-3	71	77	70
MW-8S-20201228	410-25282-4	70	74	82
MW-8D-20201229	410-25282-5	71	72	75
MW-7S-20201229	410-25282-6	77	76	54
MW-7D-20201229	410-25282-7	73	73	80
MW-14S-20201229	410-25282-8	71	72	66
MW-14S-20201229 RE	410-25282-8 RE	71	62	74
MW-14D-20201229	410-25282-9	71	70	62
MW-12S-20201229	410-25282-10	66	66	38
MW-12S-20201229 RE	410-25282-10 RE	78	72	53
MW-12D-20201229	410-25282-11	69	70	76
FB-20201229	410-25282-12	73	71	80
MW-11S-20201229	410-25282-13	74	73	61
MW-11S-20201229 RE	410-25282-13 RE	80	77	60
MW-11D-20201229	410-25282-14	71	72	71
MW-4S-20201230	410-25282-15	66	62	43
MW-4D-20201230	410-25282-16	62	57	35
MW-3-20201230	410-25282-17	54	52	60
MW-3-20201230 DL	410-25282-17 DL	53	53	59
MW-13D-20201230	410-25282-18	63	58	66
MW-13S-20201230	410-25282-19	52	51	51
DUP-20201230	410-25282-20	62	58	62
DUP-20201230 DL	410-25282-20 DL	64	62	65
	MB 410-81865/1-A	76	83	91
	MB 410-81991/1-A	50	42 S1-	62
	MB 410-82383/1-A	58	51	79
	MB 410-83558/1-A	76	71	97
	LCS 410-81865/2-A	70	75	86
	LCS 410-81991/2-A	64	60	78
	LCS 410-82383/2-A	67	62	77
	LCS 410-83558/2-A	66	63	81

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	23-128
FBP = 2-Fluorobiphenyl (Surr)	44-102
TPHd14 = p-Terphenyl-d14 (Surr)	31-113

Column to be used to flag recovery values

FORM II 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHd14 #
	LCSD 410-83558/3-A	75	72	89
MW-10D-20201228 MS	410-25282-3 MS	76	77	65
MW-10D-20201228 MSD	410-25282-3 MSD	60	63	56

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	23-128
FBP = 2-Fluorobiphenyl (Surr)	44-102
TPHd14 = p-Terphenyl-d14 (Surr)	31-113

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JA0053.D

Lab ID: LCS 410-81865/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	50.0	42.6	85	52-114	
Acenaphthylene	50.0	49.0	98	55-117	
Anthracene	50.0	44.0	88	61-117	
Benzo[a]anthracene	50.0	48.1	96	61-126	
Benzo[a]pyrene	50.0	40.0	80	60-116	
Benzo[b]fluoranthene	50.0	42.3	85	61-119	
Benzo[g,h,i]perylene	50.0	40.1	80	54-120	
Benzo[k]fluoranthene	50.0	47.5	95	69-122	
Chrysene	50.0	47.8	96	65-121	
Dibenz(a,h)anthracene	50.0	39.4	79	57-124	
Fluoranthene	50.0	45.4	91	63-122	
Fluorene	50.0	44.7	89	56-115	
Indeno[1,2,3-cd]pyrene	50.0	35.1	70	52-121	
Naphthalene	50.0	40.8	82	51-102	
Phenanthrene	50.0	42.8	86	65-113	
Pyrene	50.0	47.2	94	65-115	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HA0253.D

Lab ID: LCS 410-81991/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	50.0	33.4	67	52-114	
Acenaphthylene	50.0	39.3	79	55-117	
Anthracene	50.0	37.6	75	61-117	
Benzo[a]anthracene	50.0	40.0	80	61-126	
Benzo[a]pyrene	50.0	36.8	74	60-116	
Benzo[b]fluoranthene	50.0	37.3	75	61-119	
Benzo[g,h,i]perylene	50.0	40.9	82	54-120	
Benzo[k]fluoranthene	50.0	41.2	82	69-122	
Chrysene	50.0	40.9	82	65-121	
Dibenz(a,h)anthracene	50.0	40.2	80	57-124	
Fluoranthene	50.0	38.0	76	63-122	
Fluorene	50.0	36.7	73	56-115	
Indeno[1,2,3-cd]pyrene	50.0	38.4	77	52-121	
Naphthalene	50.0	28.6	57	51-102	
Phenanthrene	50.0	36.9	74	65-113	
Pyrene	50.0	37.7	75	65-115	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: HA0304.D

Lab ID: LCS 410-82383/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	50.0	34.3	69	52-114	
Acenaphthylene	50.0	41.0	82	55-117	
Anthracene	50.0	40.5	81	61-117	
Benzo[a]anthracene	50.0	41.4	83	61-126	
Benzo[a]pyrene	50.0	36.3	73	60-116	
Benzo[b]fluoranthene	50.0	37.7	75	61-119	
Benzo[g,h,i]perylene	50.0	37.9	76	54-120	
Benzo[k]fluoranthene	50.0	41.1	82	69-122	
Chrysene	50.0	41.9	84	65-121	
Dibenz(a,h)anthracene	50.0	38.2	76	57-124	
Fluoranthene	50.0	40.8	82	63-122	
Fluorene	50.0	39.1	78	56-115	
Indeno[1,2,3-cd]pyrene	50.0	36.8	74	52-121	
Naphthalene	50.0	30.6	61	51-102	
Phenanthrene	50.0	40.5	81	65-113	
Pyrene	50.0	40.5	81	65-115	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JA0073.D

Lab ID: LCS 410-83558/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	50.0	40.7	81	52-114	
Acenaphthylene	50.0	48.0	96	55-117	
Anthracene	50.0	41.2	82	61-117	
Benzo[a]anthracene	50.0	43.8	88	61-126	
Benzo[a]pyrene	50.0	40.3	81	60-116	
Benzo[b]fluoranthene	50.0	41.4	83	61-119	
Benzo[g,h,i]perylene	50.0	43.1	86	54-120	
Benzo[k]fluoranthene	50.0	46.2	92	69-122	
Chrysene	50.0	44.5	89	65-121	
Dibenz(a,h)anthracene	50.0	42.0	84	57-124	
Fluoranthene	50.0	42.6	85	63-122	
Fluorene	50.0	42.8	86	56-115	
Indeno[1,2,3-cd]pyrene	50.0	37.7	75	52-121	
Naphthalene	50.0	37.3	75	51-102	
Phenanthrene	50.0	41.0	82	65-113	
Pyrene	50.0	44.4	89	65-115	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JA0074.D

Lab ID: LCSD 410-83558/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	50.0	44.6	89	9	30	52-114	
Acenaphthylene	50.0	52.5	105	9	30	55-117	
Anthracene	50.0	45.8	92	11	30	61-117	
Benzo[a]anthracene	50.0	48.8	98	11	30	61-126	
Benzo[a]pyrene	50.0	43.5	87	8	30	60-116	
Benzo[b]fluoranthene	50.0	43.9	88	6	30	61-119	
Benzo[g,h,i]perylene	50.0	45.9	92	6	30	54-120	
Benzo[k]fluoranthene	50.0	48.2	96	4	30	69-122	
Chrysene	50.0	49.9	100	11	30	65-121	
Dibenz(a,h)anthracene	50.0	45.7	91	8	30	57-124	
Fluoranthene	50.0	48.2	96	12	30	63-122	
Fluorene	50.0	46.3	93	8	30	56-115	
Indeno[1,2,3-cd]pyrene	50.0	41.0	82	8	30	52-121	
Naphthalene	50.0	40.5	81	8	30	51-102	
Phenanthrene	50.0	45.3	91	10	30	65-113	
Pyrene	50.0	47.7	95	7	30	65-115	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JA0059.D

Lab ID: 410-25282-3 MS Client ID: MW-10D-20201228 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	50.6	ND	46.4	92	52-114	
Acenaphthylene	50.6	ND	52.3	103	55-117	
Anthracene	50.6	ND	44.8	88	61-117	
Benzo[a]anthracene	50.6	ND	37.9	75	61-126	
Benzo[a]pyrene	50.6	ND	34.4	68	60-116	
Benzo[b]fluoranthene	50.6	ND	36.2	71	61-119	
Benzo[g,h,i]perylene	50.6	ND	33.7	66	54-120	
Benzo[k]fluoranthene	50.6	ND	40.0	79	69-122	
Chrysene	50.6	ND	38.8	77	65-121	
Dibenz(a,h)anthracene	50.6	ND	33.9	67	57-124	
Fluoranthene	50.6	ND	44.3	88	63-122	
Fluorene	50.6	ND	45.9	91	56-115	
Indeno[1,2,3-cd]pyrene	50.6	ND	30.7	61	52-121	
Naphthalene	50.6	ND	44.5	88	51-102	
Phenanthrene	50.6	ND	44.1	87	65-113	
Pyrene	50.6	ND	42.9	85	65-115	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: JA0060.D

Lab ID: 410-25282-3 MSD Client ID: MW-10D-20201228 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	50.9	37.5	74	21	30	52-114	
Acenaphthylene	50.9	41.7	82	23	30	55-117	
Anthracene	50.9	37.0	73	19	30	61-117	
Benzo[a]anthracene	50.9	33.4	66	12	30	61-126	
Benzo[a]pyrene	50.9	34.0	67	1	30	60-116	
Benzo[b]fluoranthene	50.9	38.0	75	5	30	61-119	
Benzo[g,h,i]perylene	50.9	33.4	66	1	30	54-120	
Benzo[k]fluoranthene	50.9	41.1	81	3	30	69-122	
Chrysene	50.9	34.5	68	12	30	65-121	
Dibenz(a,h)anthracene	50.9	35.0	69	3	30	57-124	
Fluoranthene	50.9	37.1	73	18	30	63-122	
Fluorene	50.9	39.2	77	16	30	56-115	
Indeno[1,2,3-cd]pyrene	50.9	31.7	62	3	30	52-121	
Naphthalene	50.9	34.3	67	26	30	51-102	
Phenanthrene	50.9	37.4	73	16	30	65-113	
Pyrene	50.9	38.1	75	12	30	65-115	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab File ID: JA0052.D Lab Sample ID: MB 410-81865/1-A

Matrix: Water Date Extracted: 01/04/2021 17:21

Instrument ID: HP23264 Date Analyzed: 01/06/2021 13:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-81865/2-A	JA0053.D	01/06/2021 13:36
MW-1-20201228	410-25282-1	JA0056.D	01/06/2021 15:05
MW-10S-20201228	410-25282-2	JA0057.D	01/06/2021 15:35
MW-10D-20201228	410-25282-3	JA0058.D	01/06/2021 16:05
MW-10D-20201228 MS	410-25282-3 MS	JA0059.D	01/06/2021 16:35
MW-10D-20201228 MSD	410-25282-3 MSD	JA0060.D	01/06/2021 17:05
MW-8S-20201228	410-25282-4	JA0061a.D	01/06/2021 20:33

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab File ID: HA0252.D Lab Sample ID: MB 410-81991/1-A

Matrix: Water Date Extracted: 01/05/2021 09:15

Instrument ID: HP18831 Date Analyzed: 01/06/2021 23:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-81991/2-A	HA0253.D	01/07/2021 00:24
MW-8D-20201229	410-25282-5	HA0258.D	01/07/2021 02:47
MW-7S-20201229	410-25282-6	HA0259.D	01/07/2021 03:16
MW-7D-20201229	410-25282-7	HA0260.D	01/07/2021 03:44
MW-14S-20201229	410-25282-8	HA0261.D	01/07/2021 04:13
MW-14D-20201229	410-25282-9	HA0262.D	01/07/2021 04:42
MW-12S-20201229	410-25282-10	HA0263.D	01/07/2021 05:10
MW-12D-20201229	410-25282-11	HA0264.D	01/07/2021 05:39
FB-20201229	410-25282-12	HA0265.D	01/07/2021 06:08
MW-11S-20201229	410-25282-13	HA0266.D	01/07/2021 06:36
MW-11D-20201229	410-25282-14	HA0267.D	01/07/2021 07:05

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab File ID: HA0303.D Lab Sample ID: MB 410-82383/1-A

Matrix: Water Date Extracted: 01/06/2021 09:50

Instrument ID: HP18831 Date Analyzed: 01/07/2021 10:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-82383/2-A	HA0304.D	01/07/2021 10:43
MW-4S-20201230	410-25282-15	HA0317.D	01/07/2021 17:54
MW-4D-20201230	410-25282-16	HA0318.D	01/07/2021 18:23
MW-3-20201230	410-25282-17	HA0319.D	01/07/2021 18:52
MW-13D-20201230	410-25282-18	HA0320.D	01/07/2021 19:20
MW-13S-20201230	410-25282-19	HA0321.D	01/07/2021 19:49
DUP-20201230	410-25282-20	HA0322.D	01/07/2021 20:17
MW-3-20201230 DL	410-25282-17 DL	HA0352.D	01/08/2021 00:50
DUP-20201230 DL	410-25282-20 DL	HA0353.D	01/08/2021 01:19

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab File ID: JA0072.D Lab Sample ID: MB 410-83558/1-A

Matrix: Water Date Extracted: 01/11/2021 10:30

Instrument ID: HP23264 Date Analyzed: 01/12/2021 14:25

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-83558/2-A	JA0073.D	01/12/2021 14:54
	LCSD 410-83558/3-A	JA0074.D	01/12/2021 15:24
MW-14S-20201229 RE	410-25282-8 RE	JA0085.D	01/12/2021 21:24
MW-12S-20201229 RE	410-25282-10 RE	JA0086.D	01/12/2021 21:54
MW-11S-20201229 RE	410-25282-13 RE	JA0087.D	01/12/2021 22:24

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: HK1900a.D DFTPP Injection Date: 11/24/2020

Instrument ID: HP18831 DFTPP Injection Time: 21:24

Analysis Batch No.: 70201

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	49.1	
68	Less than 2% of mass 69	0.5	(1.3) 1
69	Mass 69 Relative abundance	40.6	
70	Less than 2% of mass 69	0.1	(0.3) 1
127	10-80% of Base Peak	48.6	
197	Less than 2% of mass 198	0.8	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	23.7	
365	Greater than 1% of mass 198	3.3	
441	present but less than 24% of mass 442	10.9	(14.5) 2
442	Greater than 50% of mass 198	75.2	
443	15-24% of mass 442	14.8	(19.6) 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
	ICIS 410-70201/2	HK1901.D	11/24/2020	22:09
	IC 410-70201/3	HK1902.D	11/24/2020	23:28
	IC 410-70201/4	HK1903.D	11/24/2020	23:57
	IC 410-70201/5	HK1904.D	11/25/2020	0:25
	IC 410-70201/6	HK1905.D	11/25/2020	0:54
	IC 410-70201/7	HK1906.D	11/25/2020	1:23
	IC 410-70201/8	HK1907.D	11/25/2020	1:51
	IC 410-70201/9	HK1908.D	11/25/2020	2:20
	ICV 410-70201/12	HK1911.D	11/25/2020	3:46
	ICV 410-70201/13	HK1912.D	11/25/2020	4:15

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: HA0250.D DFTPP Injection Date: 01/06/2021

Instrument ID: HP18831 DFTPP Injection Time: 22:09

Analysis Batch No.: 82729

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	38.7	
68	Less than 2% of mass 69	0.5	(1.5) 1
69	Mass 69 Relative abundance	34.3	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	45.9	
197	Less than 2% of mass 198	0.8	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	26.1	
365	Greater than 1% of mass 198	3.4	
441	present but less than 24% of mass 442	13.4	(15.4) 2
442	Greater than 50% of mass 198	86.9	
443	15-24% of mass 442	16.9	(19.4) 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 410-82729/2	HA0251.D	01/06/2021	22:29
	MB 410-81991/1-A	HA0252.D	01/06/2021	23:55
	LCS 410-81991/2-A	HA0253.D	01/07/2021	0:24
MW-8D-20201229	410-25282-5	HA0258.D	01/07/2021	2:47
MW-7S-20201229	410-25282-6	HA0259.D	01/07/2021	3:16
MW-7D-20201229	410-25282-7	HA0260.D	01/07/2021	3:44
MW-14S-20201229	410-25282-8	HA0261.D	01/07/2021	4:13
MW-14D-20201229	410-25282-9	HA0262.D	01/07/2021	4:42
MW-12S-20201229	410-25282-10	HA0263.D	01/07/2021	5:10
MW-12D-20201229	410-25282-11	HA0264.D	01/07/2021	5:39
FB-20201229	410-25282-12	HA0265.D	01/07/2021	6:08
MW-11S-20201229	410-25282-13	HA0266.D	01/07/2021	6:36
MW-11D-20201229	410-25282-14	HA0267.D	01/07/2021	7:05

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: HA0300.D DFTPP Injection Date: 01/07/2021

Instrument ID: HP18831 DFTPP Injection Time: 08:32

Analysis Batch No.: 82839

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	38.1	
68	Less than 2% of mass 69	0.5	(1.4) 1
69	Mass 69 Relative abundance	34.4	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	45.6	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	26.6	
365	Greater than 1% of mass 198	3.6	
441	present but less than 24% of mass 442	13.6	(15.4) 2
442	Greater than 50% of mass 198	88.8	
443	15-24% of mass 442	16.9	(19.0) 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
	CCVIS 410-82839/2	HA0301.D	01/07/2021	8:52
	MB 410-82383/1-A	HA0303.D	01/07/2021	10:15
	LCS 410-82383/2-A	HA0304.D	01/07/2021	10:43
MW-4S-20201230	410-25282-15	HA0317.D	01/07/2021	17:54
MW-4D-20201230	410-25282-16	HA0318.D	01/07/2021	18:23
MW-3-20201230	410-25282-17	HA0319.D	01/07/2021	18:52
MW-13D-20201230	410-25282-18	HA0320.D	01/07/2021	19:20
MW-13S-20201230	410-25282-19	HA0321.D	01/07/2021	19:49
DUP-20201230	410-25282-20	HA0322.D	01/07/2021	20:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: HA0350.D DFTPP Injection Date: 01/07/2021

Instrument ID: HP18831 DFTPP Injection Time: 21:43

Analysis Batch No.: 83166

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	37.7	
68	Less than 2% of mass 69	0.5	(1.5) 1
69	Mass 69 Relative abundance	33.9	
70	Less than 2% of mass 69	0.2	(0.6) 1
127	10-80% of Base Peak	44.9	
197	Less than 2% of mass 198	0.8	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	27.0	
365	Greater than 1% of mass 198	3.6	
441	present but less than 24% of mass 442	13.5	(15.1) 2
442	Greater than 50% of mass 198	89.0	
443	15-24% of mass 442	17.1	(19.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-83166/2	HA0351.D	01/07/2021	22:20
MW-3-20201230 DL	410-25282-17 DL	HA0352.D	01/08/2021	0:50
DUP-20201230 DL	410-25282-20 DL	HA0353.D	01/08/2021	1:19

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: JL0120a.D DFTPP Injection Date: 12/03/2020

Instrument ID: HP23264 DFTPP Injection Time: 14:36

Analysis Batch No.: 72438

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	59.0	
68	Less than 2% of mass 69	0.8	(1.3) 1
69	Mass 69 Relative abundance	62.3	
70	Less than 2% of mass 69	0.5	(0.8) 1
127	10-80% of Base Peak	55.8	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.5	
275	10-60% of Base Peak	22.7	
365	Greater than 1% of mass 198	3.4	
441	present but less than 24% of mass 442	15.5	(14.5) 2
442	Greater than 50% of mass 198	106.5	
443	15-24% of mass 442	21.0	(19.7) 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
	ICIS 410-72438/2	JL0121.D	12/03/2020	15:02
	IC 410-72438/3	JL0122.D	12/03/2020	15:42
	IC 410-72438/4	JL0123.D	12/03/2020	16:12
	IC 410-72438/5	JL0124.D	12/03/2020	16:42
	IC 410-72438/6	JL0125.D	12/03/2020	17:13
	IC 410-72438/7	JL0126.D	12/03/2020	17:43
	IC 410-72438/8	JL0127.D	12/03/2020	18:13
	IC 410-72438/9	JL0128.D	12/03/2020	18:43
	ICV 410-72438/13	JL0132.D	12/03/2020	20:43
	ICV 410-72438/14	JL0133.D	12/03/2020	21:13
	ICV 410-72438/12	JL0131a.D	12/03/2020	22:24

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: JL0170.D DFTPP Injection Date: 12/05/2020

Instrument ID: HP23264 DFTPP Injection Time: 18:17

Analysis Batch No.: 73501

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	62.4	
68	Less than 2% of mass 69	1.1	(1.7) 1
69	Mass 69 Relative abundance	66.8	
70	Less than 2% of mass 69	0.4	(0.6) 1
127	10-80% of Base Peak	58.1	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	23.0	
365	Greater than 1% of mass 198	3.5	
441	present but less than 24% of mass 442	15.4	(15.9) 2
442	Greater than 50% of mass 198	97.4	
443	15-24% of mass 442	18.2	(18.7) 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
	BZACID ICV	JL0172.D	12/05/2020	19:15

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: JA0050.D DFTPP Injection Date: 01/06/2021

Instrument ID: HP23264 DFTPP Injection Time: 10:04

Analysis Batch No.: 82495

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	71.9	
68	Less than 2% of mass 69	1.1	(1.5) 1
69	Mass 69 Relative abundance	73.0	
70	Less than 2% of mass 69	0.4	(0.5) 1
127	10-80% of Base Peak	70.7	
197	Less than 2% of mass 198	1.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.3	
275	10-60% of Base Peak	21.6	
365	Greater than 1% of mass 198	4.0	
441	present but less than 24% of mass 442	18.9	(15.1) 2
442	Greater than 50% of mass 198	125.7	
443	15-24% of mass 442	24.8	(19.7) 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 410-82495/2	JA0051.D	01/06/2021	10:50
	MB 410-81865/1-A	JA0052.D	01/06/2021	13:06
	LCS 410-81865/2-A	JA0053.D	01/06/2021	13:36
MW-1-20201228	410-25282-1	JA0056.D	01/06/2021	15:05
MW-10S-20201228	410-25282-2	JA0057.D	01/06/2021	15:35
MW-10D-20201228	410-25282-3	JA0058.D	01/06/2021	16:05
MW-10D-20201228 MS	410-25282-3 MS	JA0059.D	01/06/2021	16:35
MW-10D-20201228 MSD	410-25282-3 MSD	JA0060.D	01/06/2021	17:05
MW-8S-20201228	410-25282-4	JA0061a.D	01/06/2021	20:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Lab File ID: JA0070.D DFTPP Injection Date: 01/12/2021

Instrument ID: HP23264 DFTPP Injection Time: 13:10

Analysis Batch No.: 84066

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	68.5	
68	Less than 2% of mass 69	1.1	(1.5) 1
69	Mass 69 Relative abundance	71.6	
70	Less than 2% of mass 69	0.3	(0.4) 1
127	10-80% of Base Peak	69.8	
197	Less than 2% of mass 198	1.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	24.4	
365	Greater than 1% of mass 198	4.2	
441	present but less than 24% of mass 442	19.8	(15.2) 2
442	Greater than 50% of mass 198	130.4	
443	15-24% of mass 442	25.4	(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 410-84066/2	JA0071.D	01/12/2021	13:34
	MB 410-83558/1-A	JA0072.D	01/12/2021	14:25
	LCS 410-83558/2-A	JA0073.D	01/12/2021	14:54
	LCSD 410-83558/3-A	JA0074.D	01/12/2021	15:24
MW-14S-20201229 RE	410-25282-8 RE	JA0085.D	01/12/2021	21:24
MW-12S-20201229 RE	410-25282-10 RE	JA0086.D	01/12/2021	21:54
MW-11S-20201229 RE	410-25282-13 RE	JA0087.D	01/12/2021	22:24

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: ICIS 410-70201/2 Date Analyzed: 11/24/2020 22:09

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HK1901.D Heated Purge: (Y/N) N

Calibration ID: 16227

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		283462	6.98	1053938	8.91	519774	11.69
UPPER LIMIT		566924	7.48	2107876	9.41	1039548	12.19
LOWER LIMIT		141731	6.48	526969	8.41	259887	11.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-70201/12		311280	6.98	1160700	8.91	565270	11.69
ICV 410-70201/13		366794	6.97	1364007	8.91	645331	11.69
CCVIS 410-82729/2		232453	6.62	870007	8.56	437995	11.35
CCVIS 410-82839/2		236205	6.62	874799	8.56	430091	11.35
CCVIS 410-83166/2		226931	6.62	861100	8.56	422121	11.35

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: ICIS 410-70201/2 Date Analyzed: 11/24/2020 22:09

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HK1901.D Heated Purge: (Y/N) N

Calibration ID: 16227

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		998693	13.57	1023605	15.56	1063296	20.07
UPPER LIMIT		1997386	14.07	2047210	16.06	2126592	20.57
LOWER LIMIT		499347	13.07	511803	15.06	531648	19.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-70201/12		1091360	13.57	1142091	15.56	1185846	20.07
ICV 410-70201/13		1259841	13.56	1266070	15.56	1224175	20.06
CCVIS 410-82729/2		854488	13.25	887431	15.18	899631	19.62
CCVIS 410-82839/2		833951	13.25	873335	15.18	916761	19.62
CCVIS 410-83166/2		836112	13.25	858888	15.18	905421	19.62

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82729/2 Date Analyzed: 01/06/2021 22:29

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HA0251.D Heated Purge: (Y/N) N

Calibration ID: 18075

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		232453	6.62	870007	8.56	437995	11.35
UPPER LIMIT		464906	7.12	1740014	9.06	875990	11.85
LOWER LIMIT		116227	6.12	435004	8.06	218998	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-81991/1-A		253084	6.62	962560	8.56	474835	11.35
LCS 410-81991/2-A		217556	6.62	819457	8.56	403232	11.35
410-25282-5	MW-8D-20201229	213299	6.62	808465	8.56	404635	11.35
410-25282-6	MW-7S-20201229	219411	6.62	844104	8.56	416321	11.35
410-25282-7	MW-7D-20201229	210215	6.62	799805	8.56	389131	11.35
410-25282-8	MW-14S-20201229	229067	6.62	867543	8.56	420901	11.35
410-25282-9	MW-14D-20201229	215621	6.62	801660	8.56	397633	11.35
410-25282-10	MW-12S-20201229	185939	6.62	705119	8.56	345611	11.35
410-25282-11	MW-12D-20201229	213516	6.62	804951	8.56	393561	11.35
410-25282-12	FB-20201229	201115	6.62	749869	8.56	374978	11.35
410-25282-13	MW-11S-20201229	240230	6.62	920493	8.56	452069	11.35
410-25282-14	MW-11D-20201229	202905	6.62	773496	8.56	374321	11.35

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82729/2 Date Analyzed: 01/06/2021 22:29

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HA0251.D Heated Purge: (Y/N) N

Calibration ID: 18075

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		854488	13.25	887431	15.18	899631	19.62
UPPER LIMIT		1708976	13.75	1774862	15.68	1799262	20.12
LOWER LIMIT		427244	12.75	443716	14.68	449816	19.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-81991/1-A		939744	13.25	930882	15.18	959769	19.62
LCS 410-81991/2-A		785476	13.25	784388	15.18	825357	19.62
410-25282-5	MW-8D-20201229	802978	13.25	802218	15.18	854512	19.62
410-25282-6	MW-7S-20201229	831160	13.25	823956	15.18	868167	19.62
410-25282-7	MW-7D-20201229	777825	13.25	763835	15.18	816522	19.62
410-25282-8	MW-14S-20201229	832974	13.25	834793	15.18	874558	19.62
410-25282-9	MW-14D-20201229	785341	13.25	784929	15.18	823024	19.62
410-25282-10	MW-12S-20201229	688334	13.25	691428	15.18	725369	19.62
410-25282-11	MW-12D-20201229	797714	13.25	798971	15.18	861524	19.62
410-25282-12	FB-20201229	737121	13.25	729686	15.18	777209	19.62
410-25282-13	MW-11S-20201229	905391	13.25	909370	15.18	963294	19.62
410-25282-14	MW-11D-20201229	751784	13.25	757031	15.18	802092	19.62

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82839/2 Date Analyzed: 01/07/2021 08:52

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HA0301.D Heated Purge: (Y/N) N

Calibration ID: 18075

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		236205	6.62	874799	8.56	430091	11.35
UPPER LIMIT		472410	7.12	1749598	9.06	860182	11.85
LOWER LIMIT		118103	6.12	437400	8.06	215046	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-82383/1-A		214000	6.62	799547	8.56	391926	11.35
LCS 410-82383/2-A		207358	6.62	781645	8.56	388836	11.35
410-25282-15	MW-4S-20201230	203936	6.62	781617	8.56	381329	11.35
410-25282-16	MW-4D-20201230	213039	6.62	802921	8.56	395180	11.35
410-25282-17	MW-3-20201230	220916	6.62	820039	8.56	403591	11.35
410-25282-18	MW-13D-20201230	210262	6.62	797659	8.56	392687	11.35
410-25282-19	MW-13S-20201230	220133	6.62	817000	8.56	397052	11.35
410-25282-20	DUP-20201230	214779	6.62	803568	8.56	400607	11.35

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82839/2 Date Analyzed: 01/07/2021 08:52

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HA0301.D Heated Purge: (Y/N) N

Calibration ID: 18075

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		833951	13.25	873335	15.18	916761	19.62
UPPER LIMIT		1667902	13.75	1746670	15.68	1833522	20.12
LOWER LIMIT		416976	12.75	436668	14.68	458381	19.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-82383/1-A		768196	13.25	762264	15.18	787286	19.62
LCS 410-82383/2-A		759164	13.25	766934	15.18	816318	19.62
410-25282-15	MW-4S-20201230	751501	13.25	742929	15.18	765313	19.62
410-25282-16	MW-4D-20201230	773038	13.25	764035	15.18	784215	19.62
410-25282-17	MW-3-20201230	798184	13.25	797811	15.18	842695	19.62
410-25282-18	MW-13D-20201230	772466	13.25	763325	15.18	800835	19.62
410-25282-19	MW-13S-20201230	784042	13.25	789215	15.18	820285	19.62
410-25282-20	DUP-20201230	785352	13.25	801705	15.18	853855	19.62

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-83166/2 Date Analyzed: 01/07/2021 22:20

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HA0351.D Heated Purge: (Y/N) N

Calibration ID: 18075

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		226931	6.62	861100	8.56	422121	11.35
UPPER LIMIT		453862	7.12	1722200	9.06	844242	11.85
LOWER LIMIT		113466	6.12	430550	8.06	211061	10.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-25282-17 DL	MW-3-20201230 DL	207553	6.62	791965	8.56	383749	11.35
410-25282-20 DL	DUP-20201230 DL	204796	6.62	776738	8.56	379875	11.35

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-83166/2 Date Analyzed: 01/07/2021 22:20

Instrument ID: HP18831 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HA0351.D Heated Purge: (Y/N) N

Calibration ID: 18075

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		836112	13.25	858888	15.18	905421	19.62
UPPER LIMIT		1672224	13.75	1717776	15.68	1810842	20.12
LOWER LIMIT		418056	12.75	429444	14.68	452711	19.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-25282-17 DL	MW-3-20201230 DL	763244	13.25	766580	15.18	796244	19.62
410-25282-20 DL	DUP-20201230 DL	749338	13.25	744910	15.18	786342	19.62

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: ICIS 410-72438/2 Date Analyzed: 12/03/2020 15:02

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JL0121.D Heated Purge: (Y/N) N

Calibration ID: 16676

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		162823	6.86	617481	8.80	243897	11.59
UPPER LIMIT		325646	7.36	1234962	9.30	487794	12.09
LOWER LIMIT		81412	6.36	308741	8.30	121949	11.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-72438/13		174049	6.86	671893	8.80	274038	11.59
ICV 410-72438/14		174789	6.86	671135	8.80	270846	11.59
ICV 410-72438/12		147773	6.86	567333	8.80	228257	11.59
CCVIS 410-82495/2		154015	6.64	588341	8.58	237184	11.38
CCVIS 410-84066/2		158157	6.64	628960	8.58	250972	11.38

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: ICIS 410-72438/2 Date Analyzed: 12/03/2020 15:02

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JL0121.D Heated Purge: (Y/N) N

Calibration ID: 16676

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		418464	13.47	370549	15.47	378790	19.97
UPPER LIMIT		836928	13.97	741098	15.97	757580	20.47
LOWER LIMIT		209232	12.97	185275	14.97	189395	19.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-72438/13		484686	13.47	416071	15.47	350624	19.97
ICV 410-72438/14		463474	13.47	378823	15.47	313463	19.97
ICV 410-72438/12		377900	13.47	326770	15.47	325856	19.97
CCVIS 410-82495/2		380387	13.28	325402	15.23	314997	19.70
CCVIS 410-84066/2		410360	13.28	361625	15.23	372465	19.70

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82495/2 Date Analyzed: 01/06/2021 10:50

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JA0051.D Heated Purge: (Y/N) N

Calibration ID: 16676

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		154015	6.64	588341	8.58	237184	11.38
UPPER LIMIT		308030	7.14	1176682	9.08	474368	11.88
LOWER LIMIT		77008	6.14	294171	8.08	118592	10.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-81865/1-A		136074	6.64	538197	8.58	197200	11.38
LCS 410-81865/2-A		149080	6.64	576093	8.58	235776	11.38
410-25282-1	MW-1-20201228	153008	6.64	601140	8.58	231531	11.38
410-25282-2	MW-10S-20201228	147140	6.64	574441	8.58	225845	11.38
410-25282-3	MW-10D-20201228	149917	6.64	586987	8.58	230618	11.38
410-25282-3 MS	MW-10D-20201228 MS	151412	6.64	569859	8.58	231974	11.38
410-25282-3 MSD	MW-10D-20201228 MSD	153889	6.64	605661	8.58	242000	11.38
410-25282-4	MW-8S-20201228	137419	6.64	534121	8.58	204945	11.38

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-82495/2 Date Analyzed: 01/06/2021 10:50

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JA0051.D Heated Purge: (Y/N) N

Calibration ID: 16676

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		380387	13.28	325402	15.23	314997	19.70
UPPER LIMIT		760774	13.78	650804	15.73	629994	20.20
LOWER LIMIT		190194	12.78	162701	14.73	157499	19.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-81865/1-A		315787	13.28	249719	15.23	242315	19.70
LCS 410-81865/2-A		388343	13.28	314986	15.23	324575	19.70
410-25282-1	MW-1-20201228	395518	13.28	323758	15.23	288108	19.70
410-25282-2	MW-10S-20201228	366609	13.28	308240	15.23	303218	19.70
410-25282-3	MW-10D-20201228	391311	13.28	309885	15.23	290297	19.70
410-25282-3 MS	MW-10D-20201228 MS	378230	13.28	331227	15.23	318791	19.70
410-25282-3 MSD	MW-10D-20201228 MSD	402952	13.28	328156	15.23	266754	19.70
410-25282-4	MW-8S-20201228	327753	13.28	257433	15.23	238753	19.70

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-84066/2 Date Analyzed: 01/12/2021 13:34

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JA0071.D Heated Purge: (Y/N) N

Calibration ID: 16676

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		158157	6.64	628960	8.58	250972	11.38
UPPER LIMIT		316314	7.14	1257920	9.08	501944	11.88
LOWER LIMIT		79079	6.14	314480	8.08	125486	10.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-83558/1-A		157113	6.64	596752	8.58	237320	11.38
LCS 410-83558/2-A		140173	6.64	547605	8.58	215204	11.38
LCSD 410-83558/3-A		141792	6.64	544518	8.58	207032	11.38
410-25282-8 RE	MW-14S-20201229 RE	121464	6.64	465990	8.58	182734	11.38
410-25282-10 RE	MW-12S-20201229 RE	127198	6.64	499552	8.58	183098	11.38
410-25282-13 RE	MW-11S-20201229 RE	123445	6.64	482724	8.58	177875	11.38

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Sample No.: CCVIS 410-84066/2 Date Analyzed: 01/12/2021 13:34

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JA0071.D Heated Purge: (Y/N) N

Calibration ID: 16676

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		410360	13.28	361625	15.23	372465	19.70
UPPER LIMIT		820720	13.78	723250	15.73	744930	20.20
LOWER LIMIT		205180	12.78	180813	14.73	186233	19.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-83558/1-A		370507	13.28	294320	15.23	284076	19.70
LCS 410-83558/2-A		353890	13.28	285425	15.23	277613	19.70
LCSD 410-83558/3-A		337704	13.28	284522	15.23	306072	19.70
410-25282-8 RE	MW-14S-20201229 RE	274421	13.28	225115	15.23	223728	19.70
410-25282-10 RE	MW-12S-20201229 RE	294057	13.28	230093	15.23	230337	19.70
410-25282-13 RE	MW-11S-20201229 RE	289995	13.28	228648	15.23	233029	19.70

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-1-20201228 Lab Sample ID: 410-25282-1

Matrix: Ground Water Lab File ID: JA0056.D

Analysis Method: 8270D Date Collected: 12/28/2020 12:55

Extract. Method: 3510C Date Extracted: 01/04/2021 17:22

Sample wt/vol: 243.7(mL) Date Analyzed: 01/06/2021 15:05

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	74		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	69		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	76		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0056.D
Lims ID: 410-25282-D-1-A
Client ID: MW-1-2020128
Sample Type: Client
Inject. Date: 06-Jan-2021 15:05:30 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-1-A
Misc. Info.: 410-0019332-008
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:42:49 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: luttek Date: 06-Jan-2021 17:15:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	153008	5.00	
$ 43 Nitrobenzene-d5	82	7.481	7.481	0.000	89	1009580	17.3	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	601140	5.00	
57 Naphthalene	128		8.616				ND	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	100	1381671	18.5	
91 Acenaphthylene	152		11.146				ND	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	98	231531	5.00	
94 Acenaphthene	153		11.429				ND	
107 Fluorene	166		12.155				ND	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	97	395518	5.00	
130 Phenanthrene	178		13.312				ND	
131 Anthracene	178		13.369				ND	
139 Fluoranthene	202		14.923				ND	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	97	323758	5.00	
142 Pyrene	202		15.252				ND	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	1153827	19.0	
149 Benzo[a]anthracene	228		17.249				ND	
152 Chrysene	228		17.305				ND	
156 Benzo[b]fluoranthene	252		19.086				ND	
158 Benzo[k]fluoranthene	252		19.132				ND	
159 Benzo[a]pyrene	252		19.608				ND	U
* 160 Perylene-d12	264	19.699	19.699	0.000	95	288108	5.00	
164 Indeno[1,2,3-cd]pyrene	276		21.299				ND	
165 Dibenz(a,h)anthracene	278		21.344				ND	
166 Benzo[g,h,i]perylene	276		21.662				ND	

QC Flag Legend
Processing Flags

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

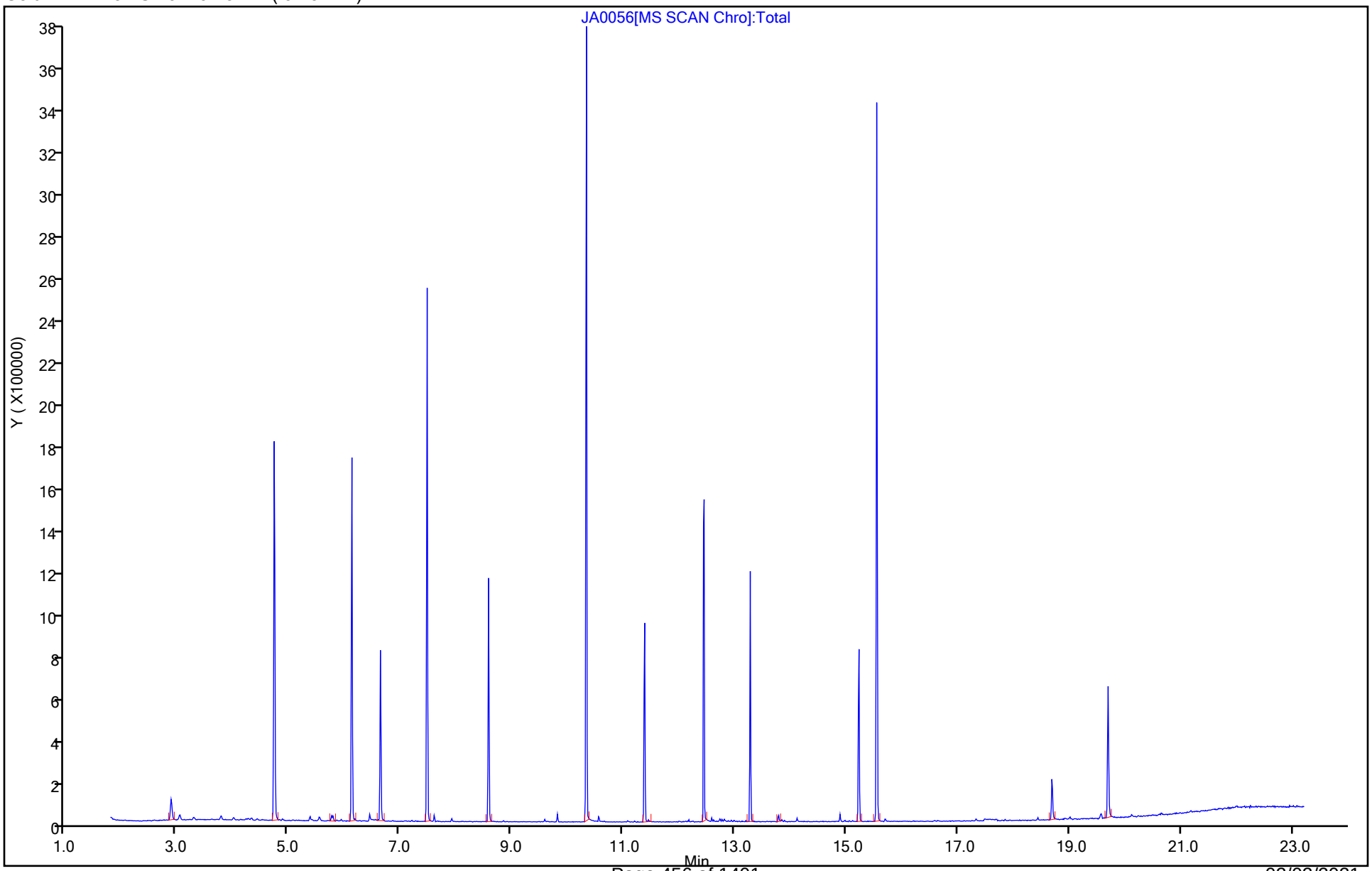
Report Date: 06-Jan-2021 21:44:47 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0056.D

Injection Date:	06-Jan-2021 15:05:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-D-1-A	Lab Sample ID:	410-25282-1	Worklist Smp#:	8
Client ID:	MW-1-2020128				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



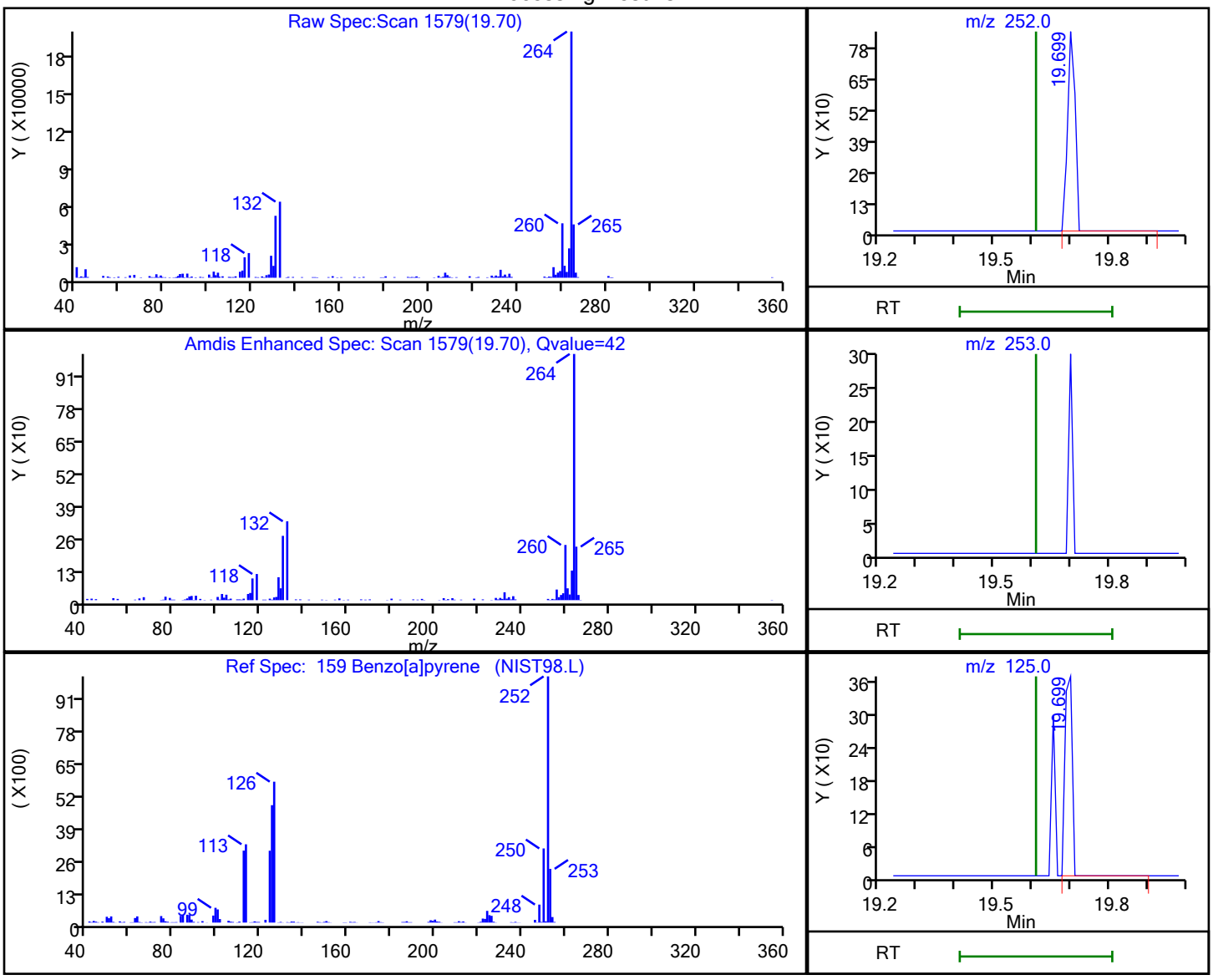
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0056.D				
Injection Date:	06-Jan-2021 15:05:30	Instrument ID:	HP23264		
Lims ID:	410-25282-D-1-A	Lab Sample ID:	410-25282-1		
Client ID:	MW-1-2020128				
Operator ID:	knb25316	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

159 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.70	252.00	1172	0.017127
19.61	253.00	0	
19.70	125.00	482	

Reviewer: luttek, 06-Jan-2021 17:15:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-10S-20201228 Lab Sample ID: 410-25282-2

Matrix: Ground Water Lab File ID: JA0057.D

Analysis Method: 8270D Date Collected: 12/28/2020 13:47

Extract. Method: 3510C Date Extracted: 01/04/2021 17:22

Sample wt/vol: 244(mL) Date Analyzed: 01/06/2021 15:35

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	55		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	63		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0057.D
Lims ID: 410-25282-D-2-A
Client ID: MW-10S-20201228
Sample Type: Client
Inject. Date: 06-Jan-2021 15:35:30 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-2-A
Misc. Info.: 410-0019332-009
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:42:49 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: luttek Date: 06-Jan-2021 17:15:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	98	147140	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	89	772792	13.8	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	574441	5.00	
57 Naphthalene	128		8.616				ND	7
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1076894	14.8	
91 Acenaphthylene	152		11.146				ND	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	98	225845	5.00	
94 Acenaphthene	153		11.429				ND	
107 Fluorene	166		12.155				ND	
* 128 Phenanthrene-d10	188	13.279	13.278	0.001	97	366609	5.00	
130 Phenanthrene	178		13.312				ND	7
131 Anthracene	178		13.369				ND	7
139 Fluoranthene	202		14.923				ND	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	308240	5.00	
142 Pyrene	202		15.252				ND	7
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	908110	15.7	
149 Benzo[a]anthracene	228		17.249				ND	
152 Chrysene	228		17.305				ND	
156 Benzo[b]fluoranthene	252		19.086				ND	7
158 Benzo[k]fluoranthene	252		19.132				ND	7
159 Benzo[a]pyrene	252		19.608				ND	U
* 160 Perylene-d12	264	19.699	19.699	0.000	95	303218	5.00	
164 Indeno[1,2,3-cd]pyrene	276		21.299				ND	
165 Dibenz(a,h)anthracene	278		21.344				ND	
166 Benzo[g,h,i]perylene	276		21.662				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

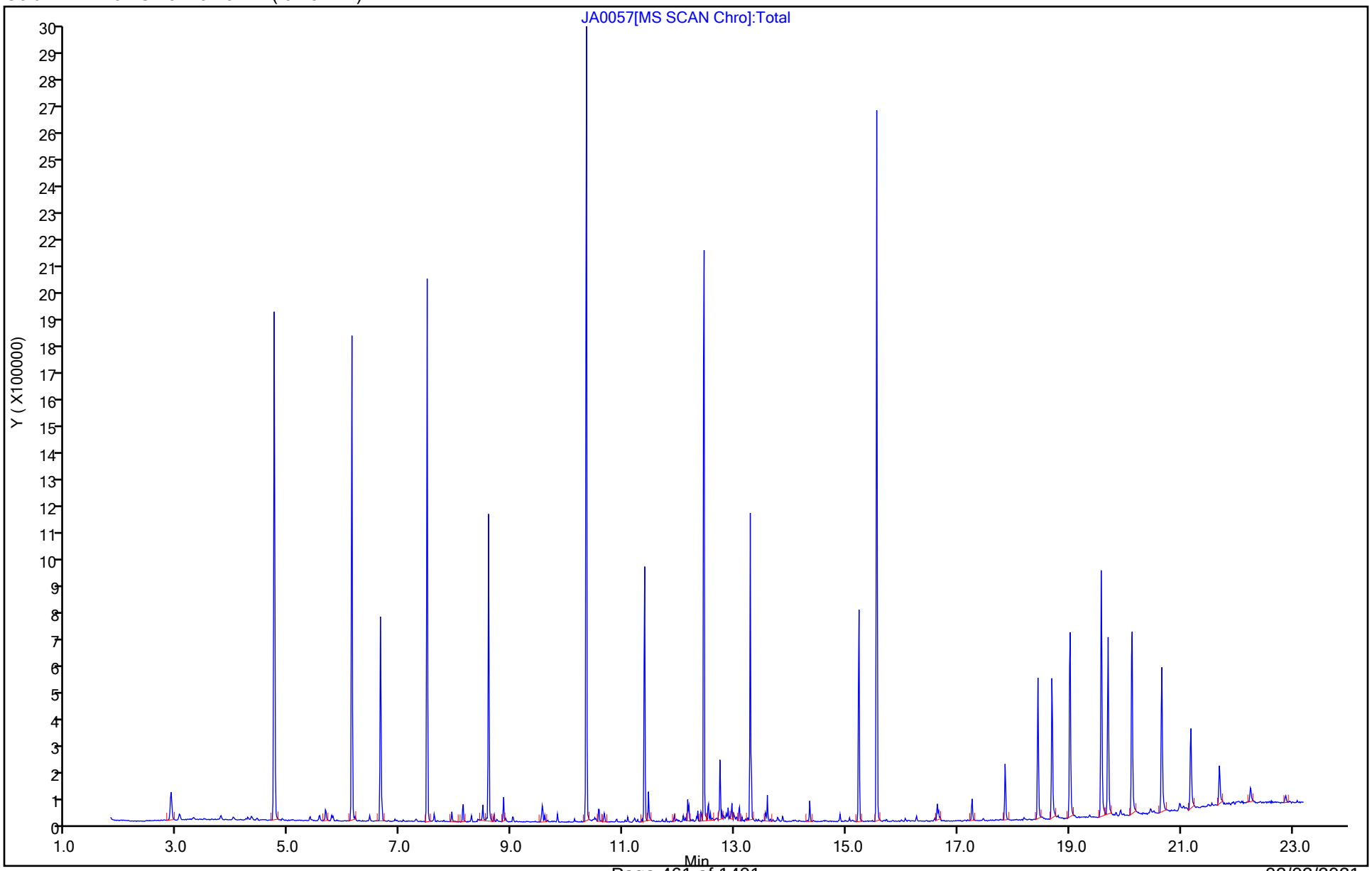
MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 21:44:48 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0057.D				
Injection Date:	06-Jan-2021 15:35:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-D-2-A	Lab Sample ID:	410-25282-2	Worklist Smp#:	9
Client ID:	MW-10S-20201228				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



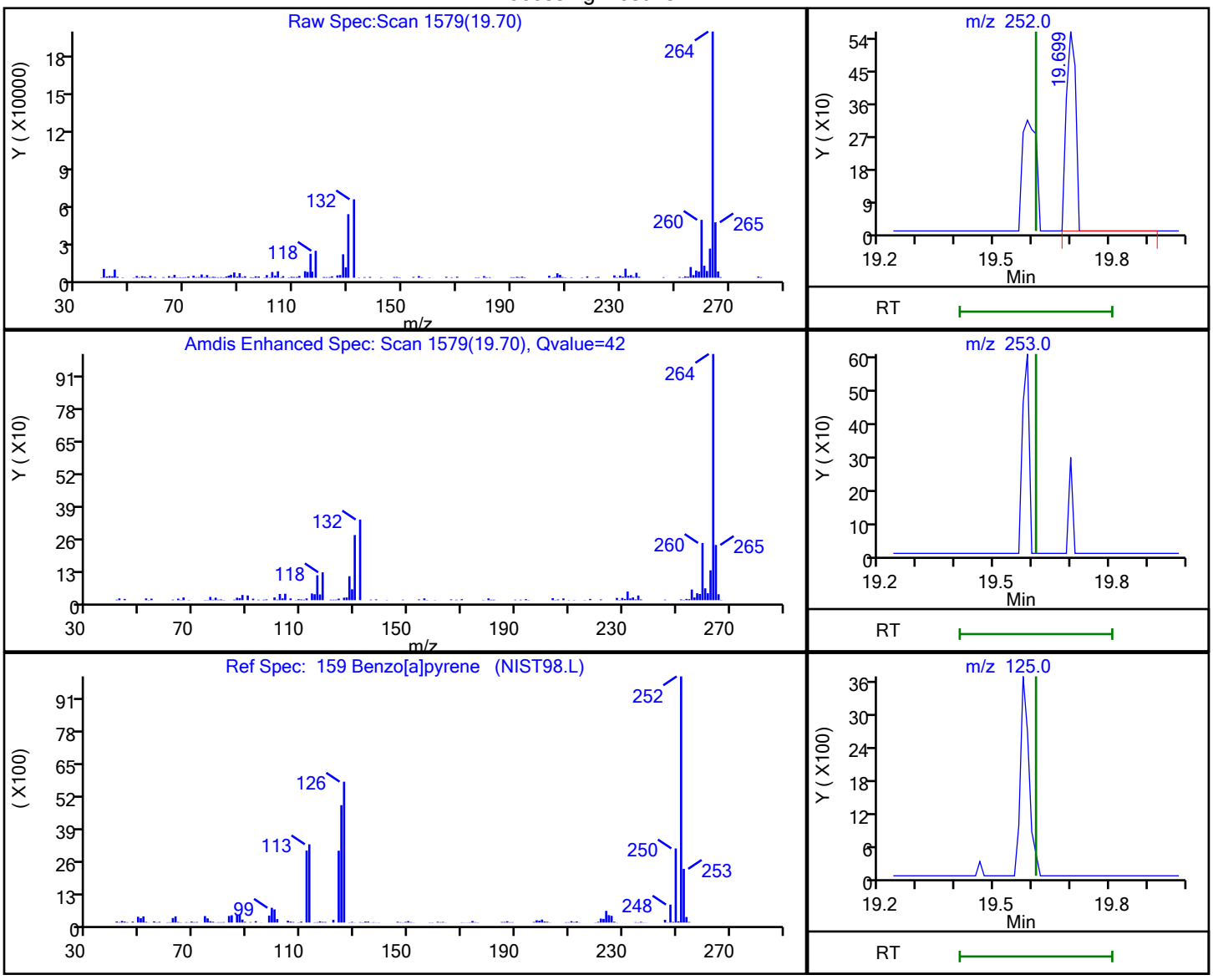
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0057.D				
Injection Date:	06-Jan-2021 15:35:30	Instrument ID:	HP23264		
Lims ID:	410-25282-D-2-A	Lab Sample ID:	410-25282-2		
Client ID:	MW-10S-20201228				
Operator ID:	knb25316	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

159 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.70	252.00	935	0.012983
19.61	253.00	0	
19.61	125.00	0	

Reviewer: luttek, 06-Jan-2021 17:15:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-10D-20201228 Lab Sample ID: 410-25282-3

Matrix: Ground Water Lab File ID: JA0058.D

Analysis Method: 8270D Date Collected: 12/28/2020 14:31

Extract. Method: 3510C Date Extracted: 01/04/2021 17:22

Sample wt/vol: 246.4(mL) Date Analyzed: 01/06/2021 16:05

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	77		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	71		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	70		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0058.D
Lims ID: 410-25282-D-3-C
Client ID: MW-10D-20201228
Sample Type: Client
Inject. Date: 06-Jan-2021 16:05:30 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-3-C
Misc. Info.: 410-0019332-010
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:42:49 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: luttek Date: 06-Jan-2021 17:16:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	98	149917	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	90	1017751	17.8	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	586987	5.00	
57 Naphthalene	128		8.616				ND	7
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1435730	19.3	
91 Acenaphthylene	152		11.146				ND	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	98	230618	5.00	
94 Acenaphthene	153		11.429				ND	
107 Fluorene	166		12.155				ND	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	97	391311	5.00	
130 Phenanthrene	178		13.312				ND	
131 Anthracene	178		13.369				ND	
139 Fluoranthene	202		14.923				ND	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	309885	5.00	
142 Pyrene	202		15.252				ND	7
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	1025975	17.7	
149 Benzo[a]anthracene	228		17.249				ND	
152 Chrysene	228		17.305				ND	
156 Benzo[b]fluoranthene	252		19.086				ND	
158 Benzo[k]fluoranthene	252		19.132				ND	
159 Benzo[a]pyrene	252		19.608				ND	7
* 160 Perylene-d12	264	19.699	19.699	0.000	95	290297	5.00	
164 Indeno[1,2,3-cd]pyrene	276		21.299				ND	
165 Dibenz(a,h)anthracene	278		21.344				ND	
166 Benzo[g,h,i]perylene	276		21.662				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

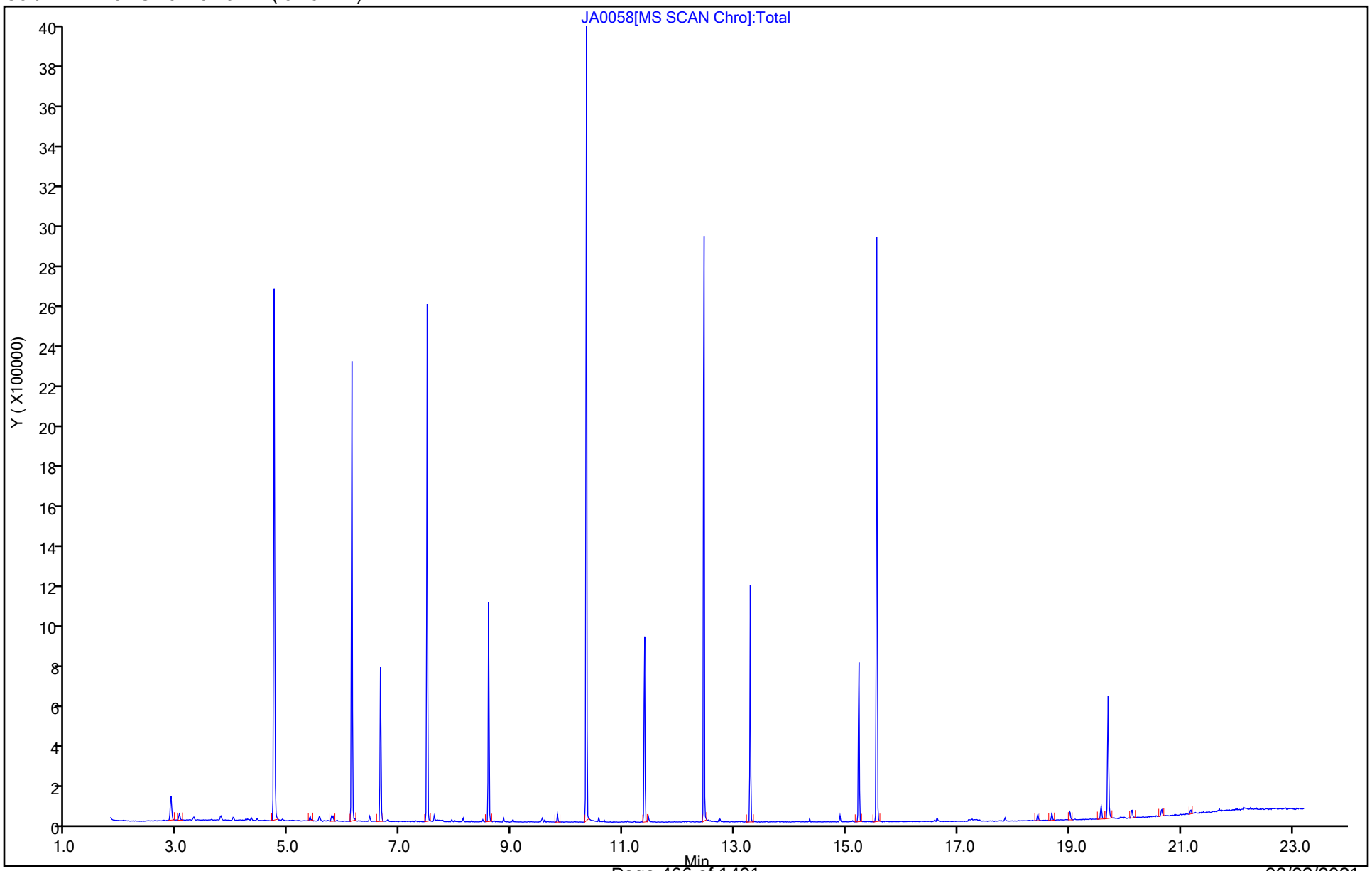
Report Date: 06-Jan-2021 21:44:49 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0058.D

Injection Date:	06-Jan-2021 16:05:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-D-3-C	Lab Sample ID:	410-25282-3	Worklist Smp#:	10
Client ID:	MW-10D-20201228				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-8S-20201228 Lab Sample ID: 410-25282-4

Matrix: Ground Water Lab File ID: JA0061a.D

Analysis Method: 8270D Date Collected: 12/28/2020 15:34

Extract. Method: 3510C Date Extracted: 01/04/2021 17:22

Sample wt/vol: 248.8(mL) Date Analyzed: 01/06/2021 20:33

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.14	J	0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	74		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	70		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	82		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0061a.D
Lims ID: 410-25282-D-4-A
Client ID: MW-8S-20201228
Sample Type: Client
Inject. Date: 06-Jan-2021 20:33:30 ALS Bottle#: 12 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-4-A
Misc. Info.: 410-0019332-013
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:42:49 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: luttek Date: 06-Jan-2021 21:06:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	98	137419	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	89	912908	17.6	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	534121	5.00	
57 Naphthalene	128		8.616				ND	7
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1218939	18.5	
91 Acenaphthylene	152		11.146				ND	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	97	204945	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	91	2092	0.0358	
107 Fluorene	166		12.155				ND	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	97	327753	5.00	
130 Phenanthrene	178		13.312				ND	7
131 Anthracene	178		13.369				ND	7
139 Fluoranthene	202		14.923				ND	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	257433	5.00	
142 Pyrene	202		15.252				ND	7
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	992258	20.6	
149 Benzo[a]anthracene	228		17.249				ND	
152 Chrysene	228		17.305				ND	
156 Benzo[b]fluoranthene	252		19.086				ND	
158 Benzo[k]fluoranthene	252		19.132				ND	
159 Benzo[a]pyrene	252		19.608				ND	U
* 160 Perylene-d12	264	19.699	19.699	0.000	95	238753	5.00	
164 Indeno[1,2,3-cd]pyrene	276		21.299				ND	
165 Dibenz(a,h)anthracene	278		21.344				ND	
166 Benzo[g,h,i]perylene	276		21.662				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

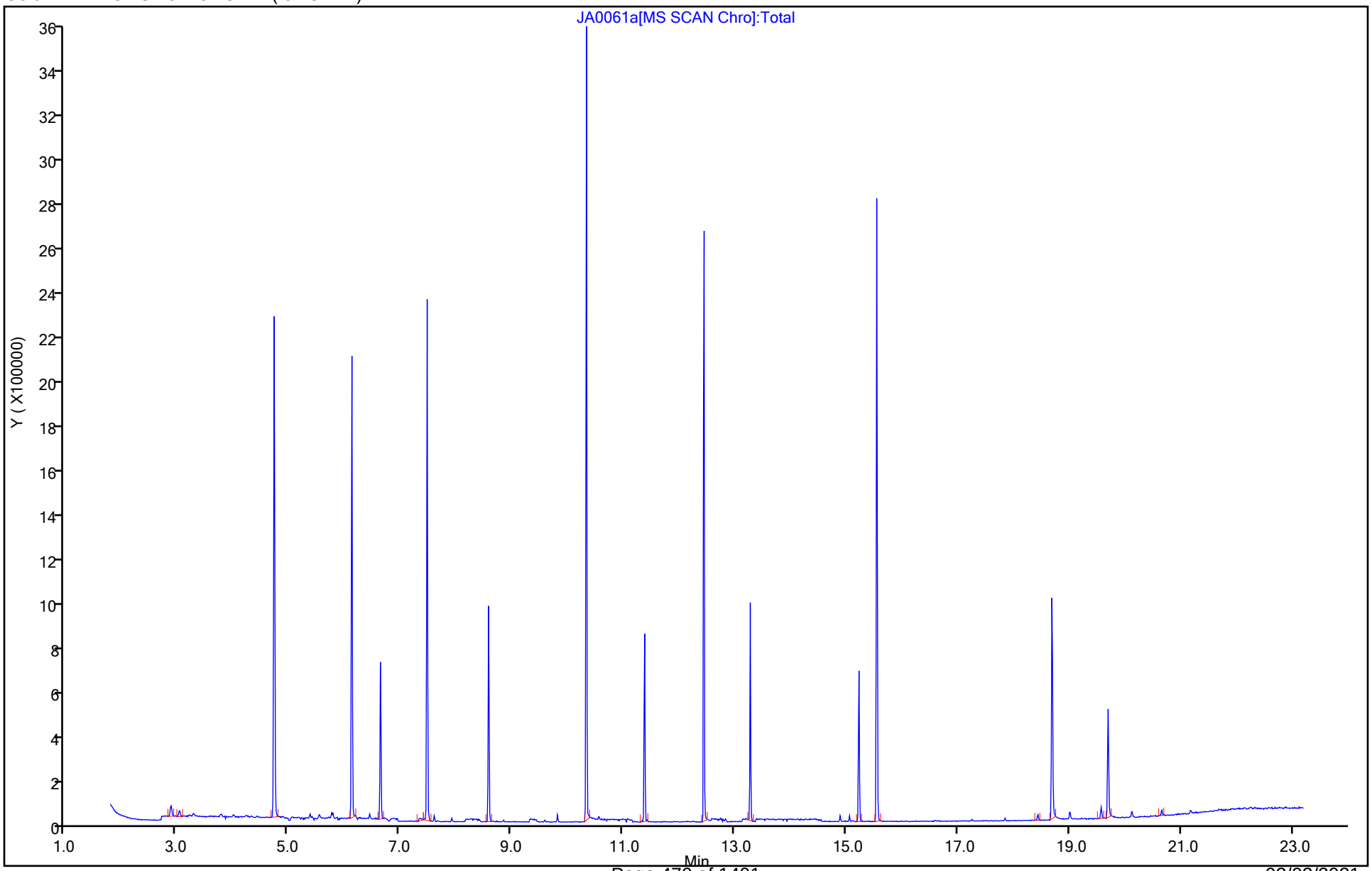
Report Date: 06-Jan-2021 21:44:53 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0061a.D

Injection Date:	06-Jan-2021 20:33:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-D-4-A	Lab Sample ID:	410-25282-4	Worklist Smp#:	13
Client ID:	MW-8S-20201228				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



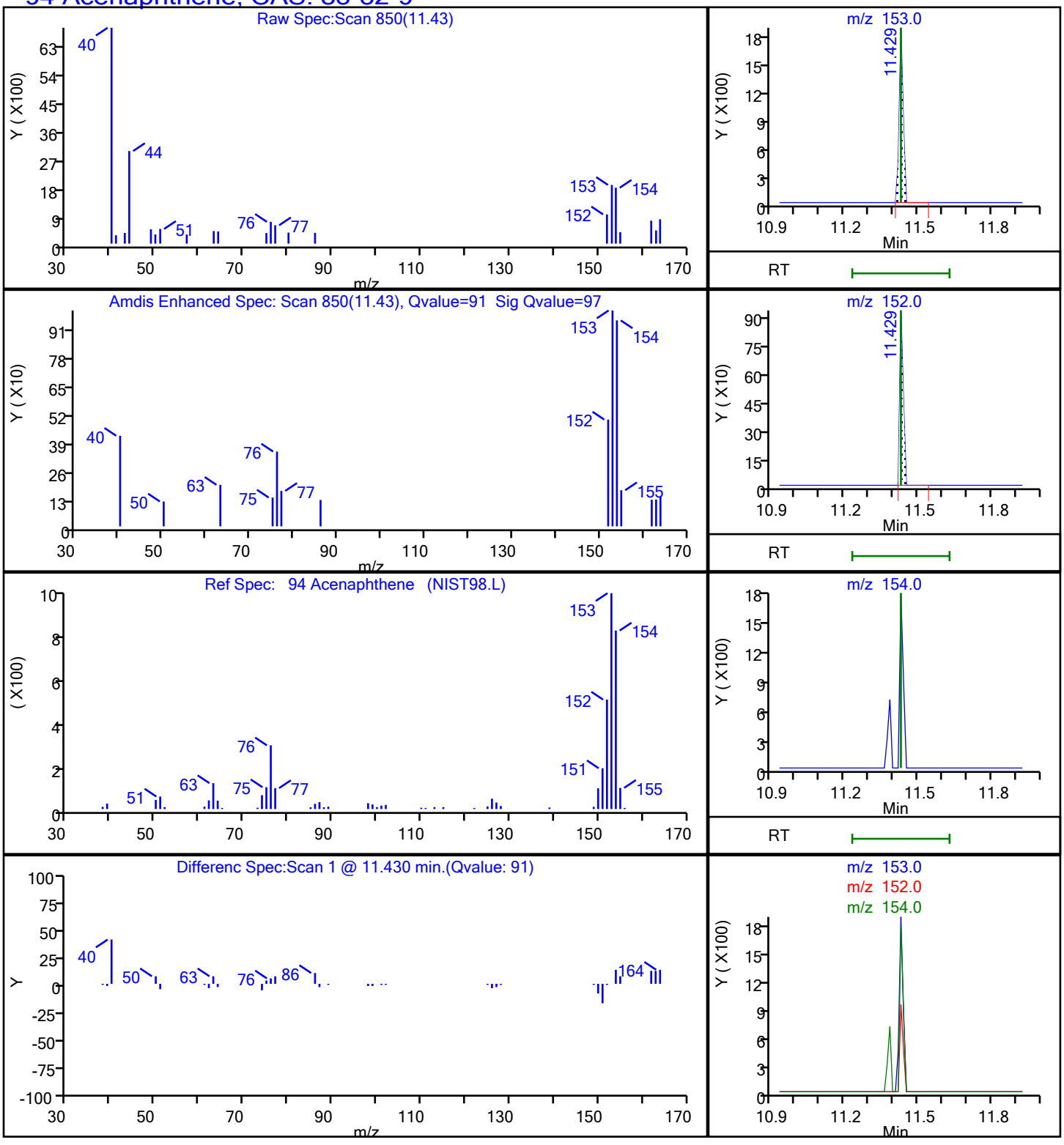
Report Date: 06-Jan-2021 21:44:53 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0061a.D

Injection Date:	06-Jan-2021 20:33:30	Instrument ID:	HP23264		
Lims ID:	410-25282-D-4-A	Lab Sample ID:	410-25282-4		
Client ID:	MW-8S-20201228				
Operator ID:	knb25316	ALS Bottle#:	12	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

94 Acenaphthene, CAS: 83-32-9



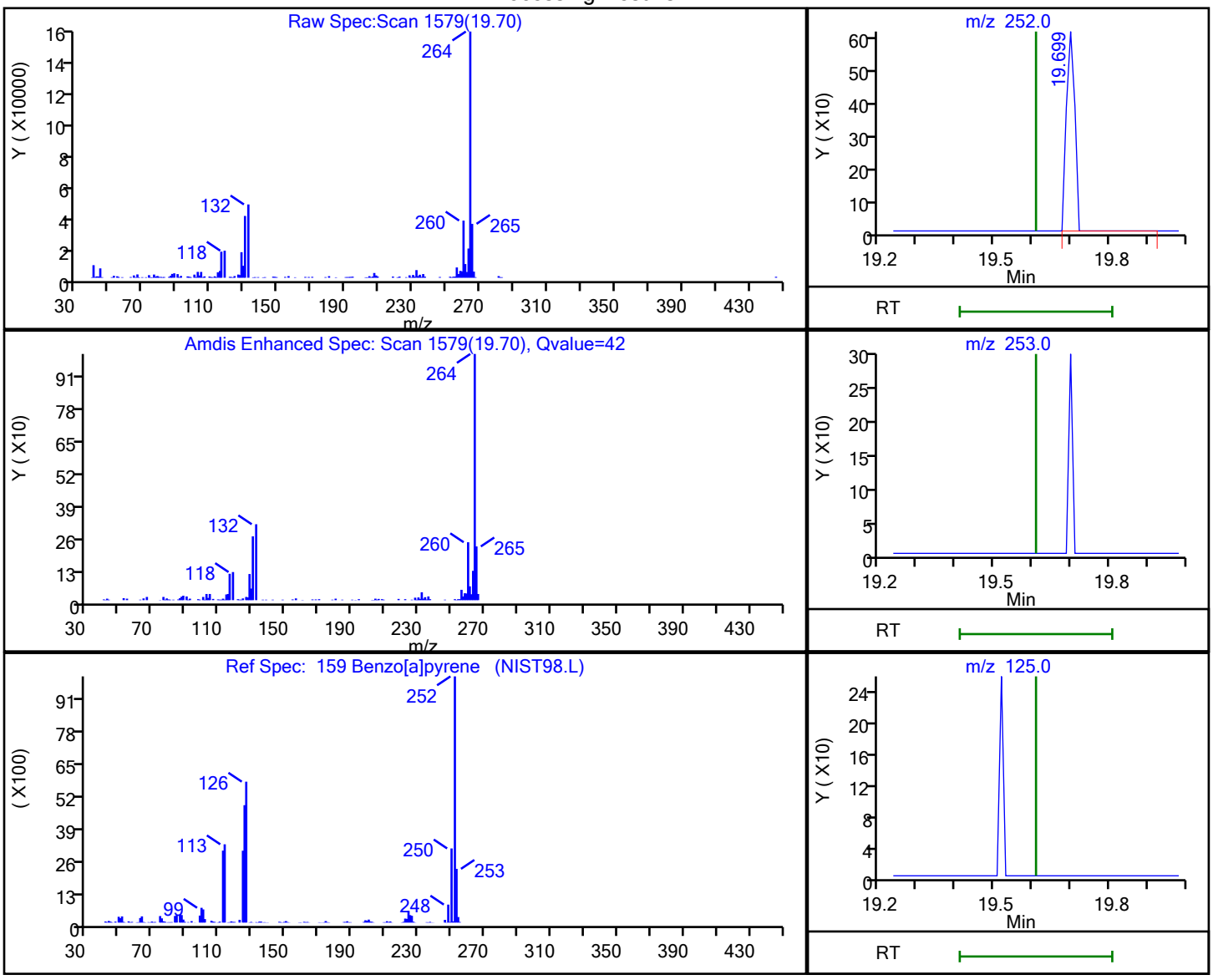
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0061a.D				
Injection Date:	06-Jan-2021 20:33:30	Instrument ID:	HP23264		
Lims ID:	410-25282-D-4-A	Lab Sample ID:	410-25282-4		
Client ID:	MW-8S-20201228				
Operator ID:	knb25316	ALS Bottle#:	12	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

159 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.70	252.00	932	0.016435
19.61	253.00	0	
19.61	125.00	0	

Reviewer: luttek, 06-Jan-2021 21:05:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-8D-20201229 Lab Sample ID: 410-25282-5

Matrix: Ground Water Lab File ID: HA0258.D

Analysis Method: 8270D Date Collected: 12/29/2020 08:22

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 237.9(mL) Date Analyzed: 01/07/2021 02:47

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.53	0.11
208-96-8	Acenaphthylene	ND		0.53	0.11
120-12-7	Anthracene	ND		0.53	0.11
56-55-3	Benzo[a]anthracene	ND		0.53	0.11
50-32-8	Benzo[a]pyrene	ND		0.53	0.11
205-99-2	Benzo[b]fluoranthene	ND		0.53	0.11
191-24-2	Benzo[g,h,i]perylene	ND		0.53	0.11
207-08-9	Benzo[k]fluoranthene	ND		0.53	0.11
218-01-9	Chrysene	ND		0.53	0.11
53-70-3	Dibenz(a,h)anthracene	ND		0.53	0.11
206-44-0	Fluoranthene	ND		0.53	0.11
86-73-7	Fluorene	ND		0.53	0.11
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.53	0.11
91-20-3	Naphthalene	ND		0.53	0.11
85-01-8	Phenanthrene	ND		0.53	0.11
129-00-0	Pyrene	ND		0.53	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	71		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	75		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0258.D
Lims ID: 410-25282-D-5-B
Client ID: MW-8D-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 02:47:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-5-B
Misc. Info.: 410-0019389-009
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:55:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	213299	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	1065530	17.8	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	808465	5.00	
55 Naphthalene	128		8.590				ND	7
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2402347	18.0	
89 Acenaphthylene	152		11.120				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	404635	5.00	
93 Acenaphthene	153		11.399				ND	
105 Fluorene	166		12.128				ND	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	802978	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.176	15.182	-0.006	99	802218	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	3038756	18.9	
148 Benzo[a]anthracene	228		17.187				ND	7
151 Chrysene	228		17.246				ND	7
155 Benzo[b]fluoranthene	252		19.017				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	7
* 159 Perylene-d12	264	19.624	19.624	0.000	98	854512	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	7
164 Dibenz(a,h)anthracene	278		21.261				ND	
165 Benzo[g,h,i]perylene	276		21.582				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

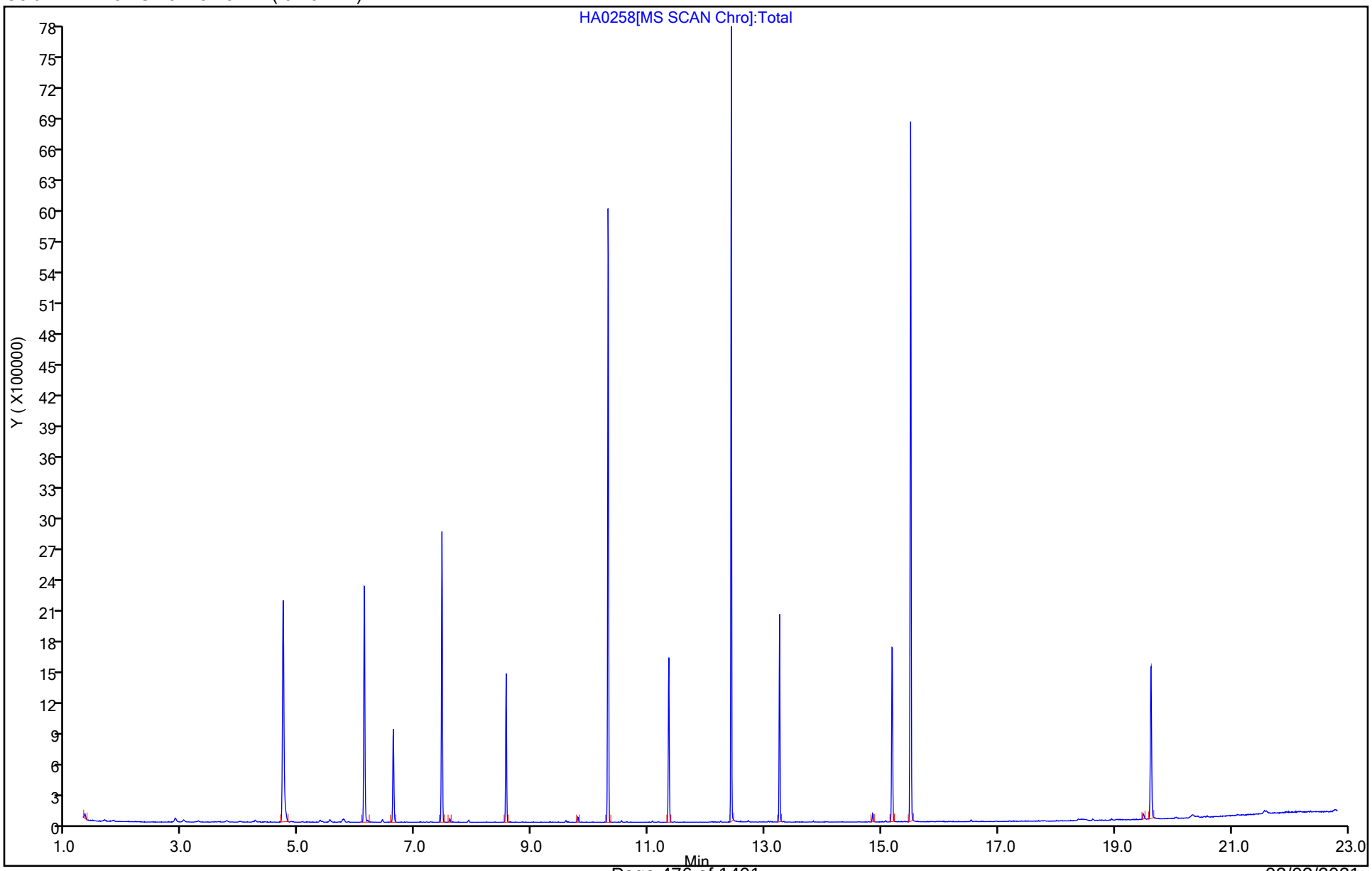
MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Jan-2021 09:01:20 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0258.D				
Injection Date:	07-Jan-2021 02:47:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-5-B	Lab Sample ID:	410-25282-5	Worklist Smp#:	9
Client ID:	MW-8D-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-7S-20201229 Lab Sample ID: 410-25282-6

Matrix: Ground Water Lab File ID: HA0259.D

Analysis Method: 8270D Date Collected: 12/29/2020 09:19

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 248.5(mL) Date Analyzed: 01/07/2021 03:16

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	76		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	77		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	54		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0259.D
Lims ID: 410-25282-D-6-B
Client ID: MW-7S-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 03:16:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-6-B
Misc. Info.: 410-0019389-010
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:55:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	219411	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	1196291	19.2	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	844104	5.00	
55 Naphthalene	128		8.590				ND	7
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2612088	19.0	
89 Acenaphthylene	152		11.120				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	416321	5.00	
93 Acenaphthene	153		11.399				ND	7
105 Fluorene	166		12.128				ND	7
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	831160	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	100	823956	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2258644	13.7	
148 Benzo[a]anthracene	228		17.187				ND	
151 Chrysene	228		17.246				ND	
155 Benzo[b]fluoranthene	252		19.017				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	868167	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.261				ND	
165 Benzo[g,h,i]perylene	276		21.582				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

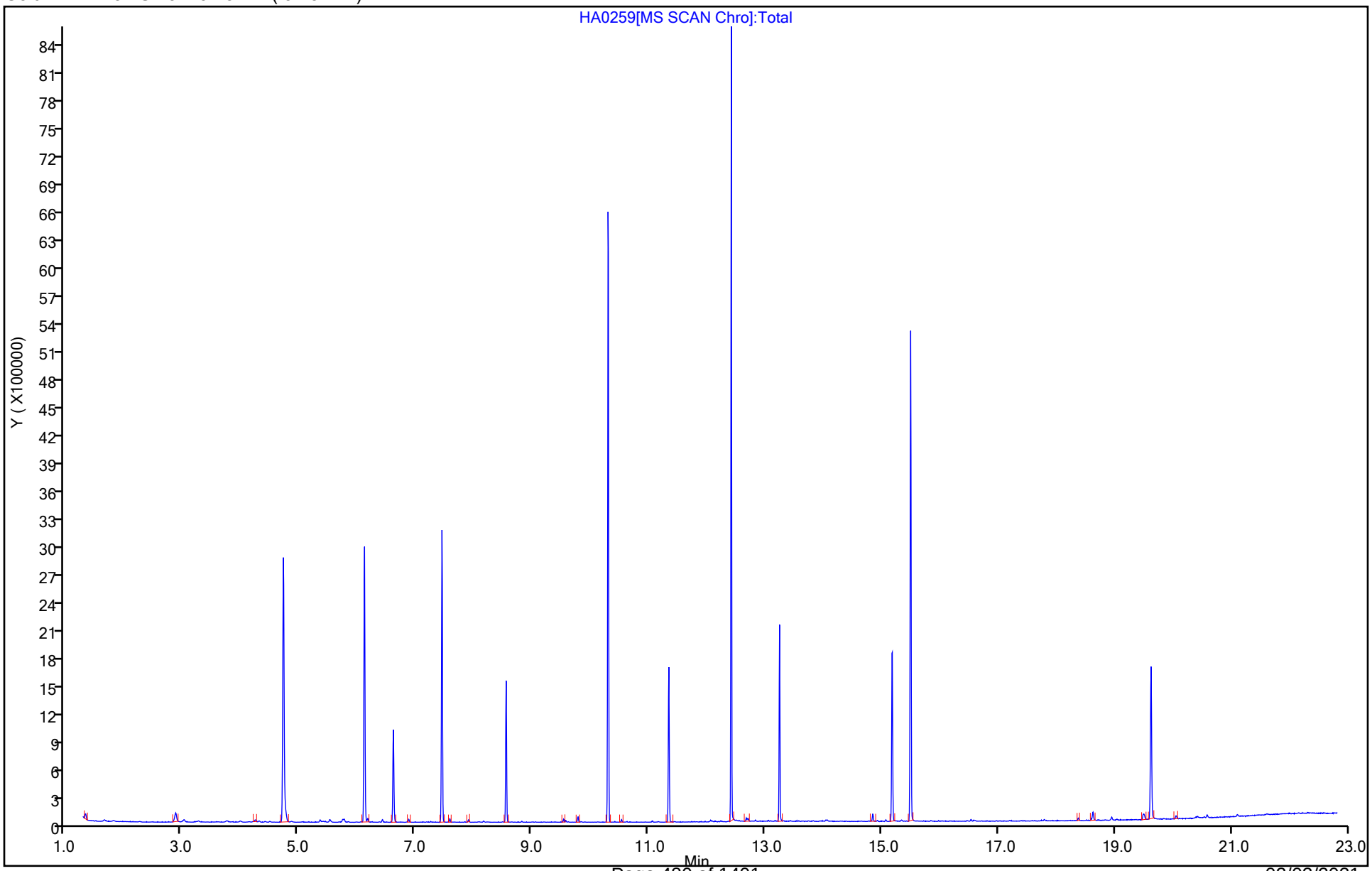
Report Date: 07-Jan-2021 09:01:21 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0259.D

Injection Date:	07-Jan-2021 03:16:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-6-B	Lab Sample ID:	410-25282-6	Worklist Smp#:	10
Client ID:	MW-7S-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



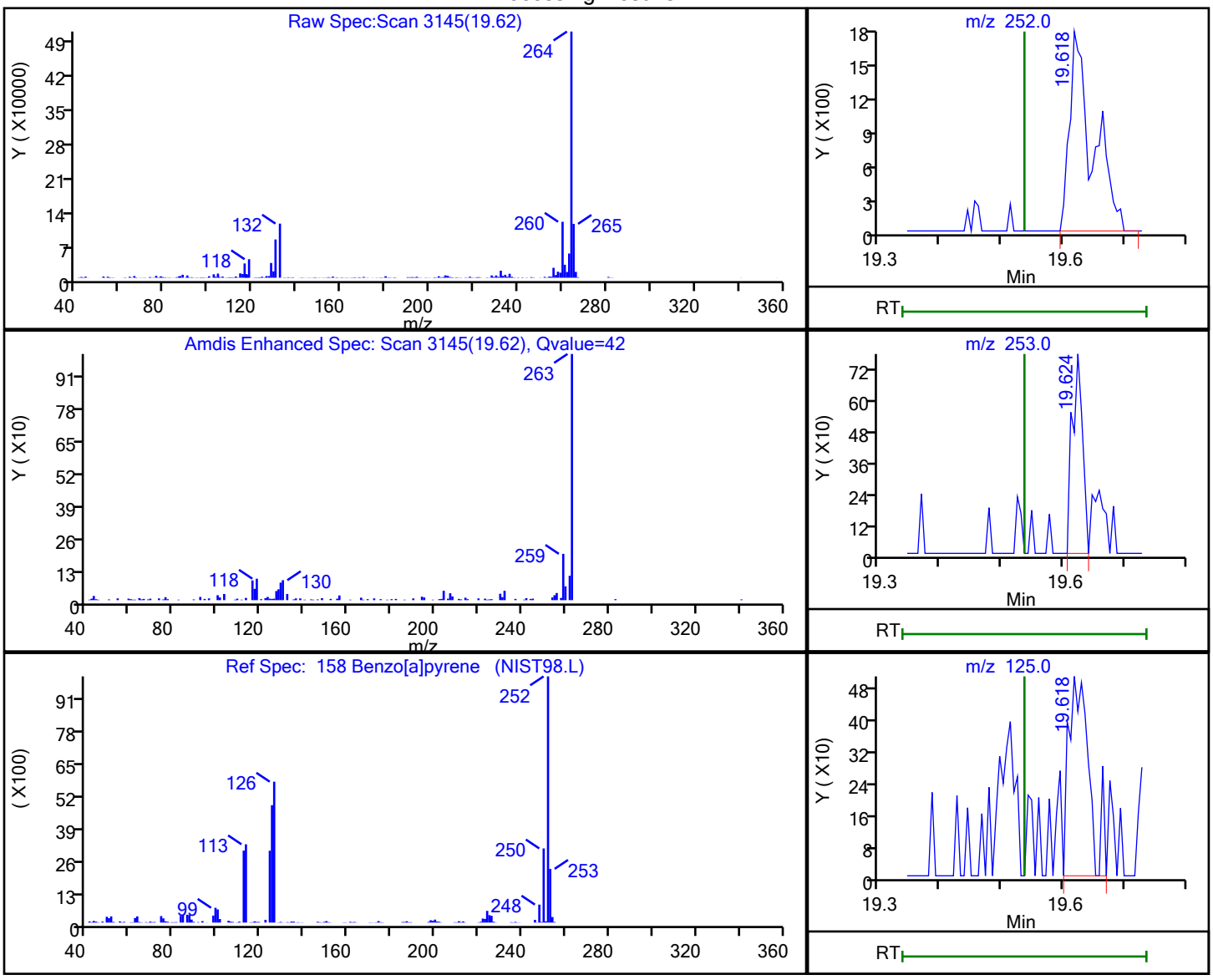
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0259.D				
Injection Date:	07-Jan-2021 03:16:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-6-B	Lab Sample ID:	410-25282-6		
Client ID:	MW-7S-20201229				
Operator ID:	sw30417	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.62	252.00	4594	0.023252
19.62	253.00	912	
19.62	125.00	1160	

Reviewer: monbornee, 07-Jan-2021 08:55:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-7D-20201229 Lab Sample ID: 410-25282-7

Matrix: Ground Water Lab File ID: HA0260.D

Analysis Method: 8270D Date Collected: 12/29/2020 10:07

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 248.9(mL) Date Analyzed: 01/07/2021 03:44

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	73		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	73		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	80		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0260.D
Lims ID: 410-25282-D-7-B
Client ID: MW-7D-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 03:44:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-7-B
Misc. Info.: 410-0019389-011
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:56:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	210215	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	1075856	18.2	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	799805	5.00	
55 Naphthalene	128		8.590				ND	7
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2349744	18.3	
89 Acenaphthylene	152		11.120				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	98	389131	5.00	
93 Acenaphthene	153		11.399				ND	
105 Fluorene	166		12.128				ND	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	777825	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.176	15.182	-0.006	100	763835	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	3069788	20.1	
148 Benzo[a]anthracene	228		17.187				ND	7
151 Chrysene	228		17.246				ND	7
155 Benzo[b]fluoranthene	252		19.017				ND	
157 Benzo[k]fluoranthene	252		19.064				ND	
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	816522	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.261				ND	
165 Benzo[g,h,i]perylene	276		21.582				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

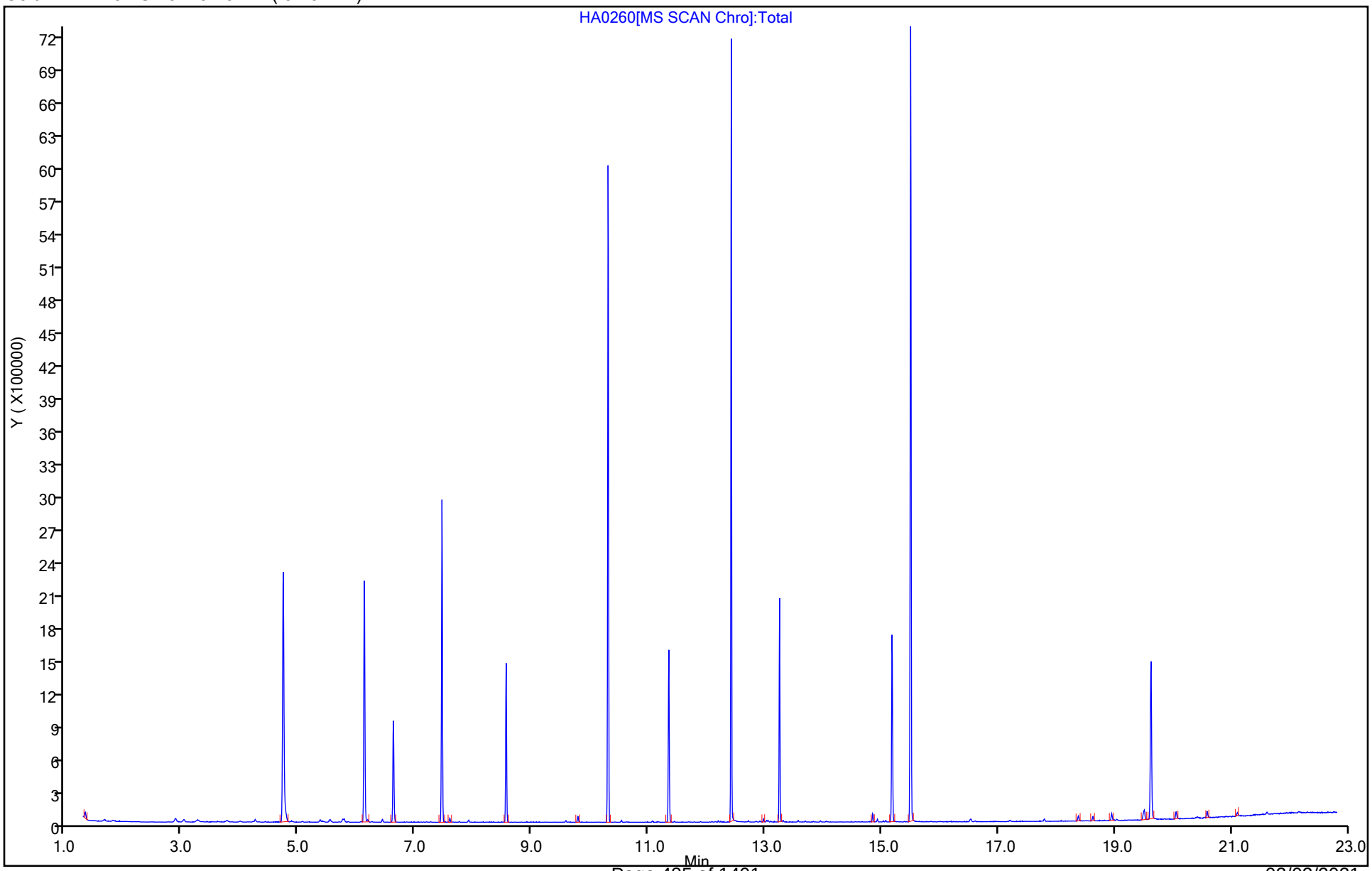
MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Jan-2021 09:01:22 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0260.D				
Injection Date:	07-Jan-2021 03:44:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-7-B	Lab Sample ID:	410-25282-7	Worklist Smp#:	11
Client ID:	MW-7D-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



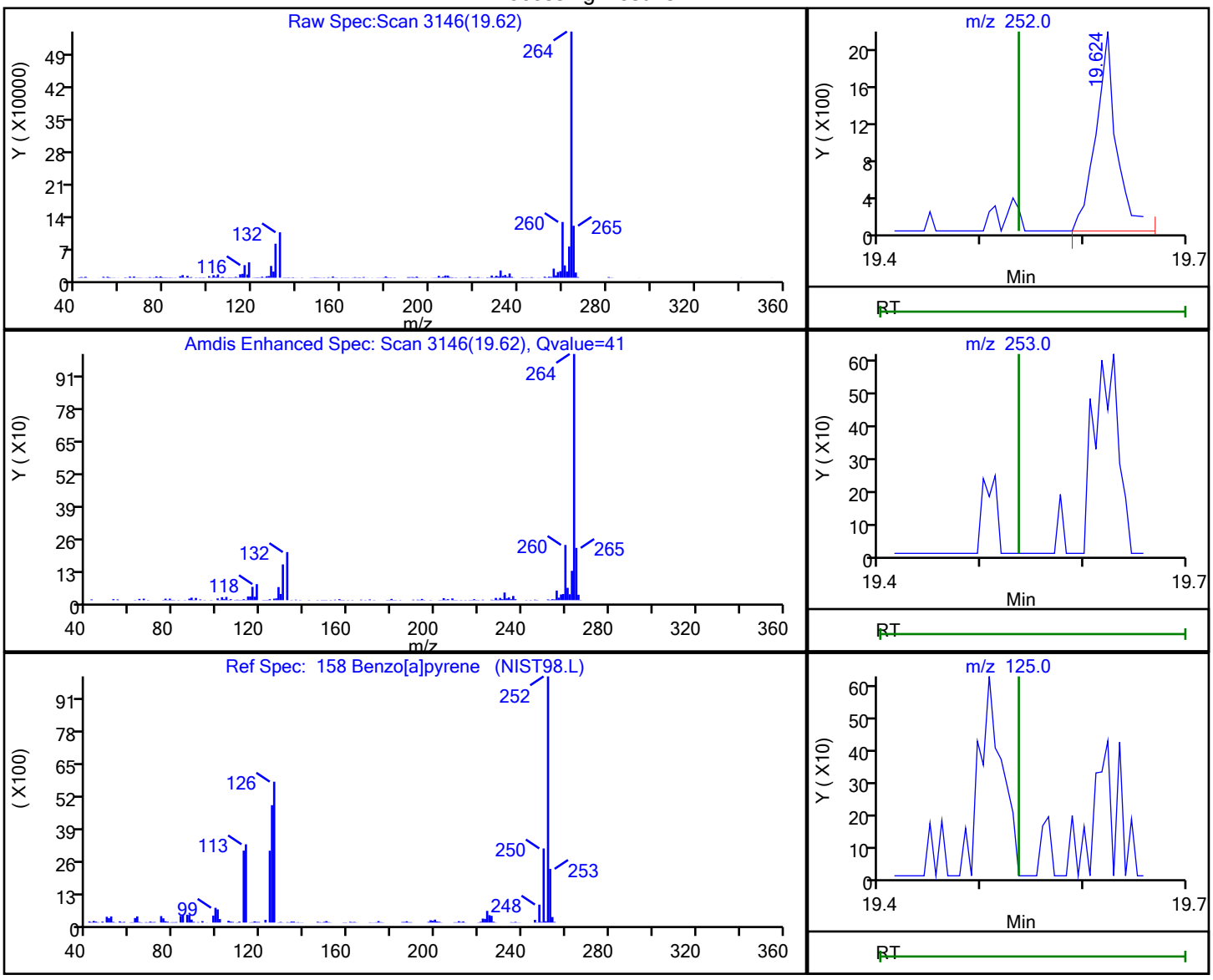
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0260.D				
Injection Date:	07-Jan-2021 03:44:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-7-B	Lab Sample ID:	410-25282-7		
Client ID:	MW-7D-20201229				
Operator ID:	sw30417	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.62	252.00	3022	0.016263
19.63	253.00	1019	
19.54	125.00	0	

Reviewer: monbornee, 07-Jan-2021 08:56:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-14S-20201229 Lab Sample ID: 410-25282-8

Matrix: Ground Water Lab File ID: HA0261.D

Analysis Method: 8270D Date Collected: 12/29/2020 10:59

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 243.5(mL) Date Analyzed: 01/07/2021 04:13

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.4		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	0.28	J	0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	71		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	66		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0261.D
Lims ID: 410-25282-D-8-B
Client ID: MW-14S-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 04:13:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-8-B
Misc. Info.: 410-0019389-012
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:56:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	229067	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	91	1137809	17.7	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	100	867543	5.00	
55 Naphthalene	128	8.584	8.590	-0.006	95	12809	0.0673	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2499462	18.0	
89 Acenaphthylene	152		11.120				ND	7
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	420901	5.00	
93 Acenaphthene	153	11.394	11.399	-0.005	94	42226	0.3477	
105 Fluorene	166		12.128				ND	7
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	832974	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.176	15.182	-0.006	99	834793	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2766760	16.5	
148 Benzo[a]anthracene	228		17.187				ND	
151 Chrysene	228		17.246				ND	
155 Benzo[b]fluoranthene	252		19.017				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	874558	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.261				ND	
165 Benzo[g,h,i]perylene	276		21.582				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

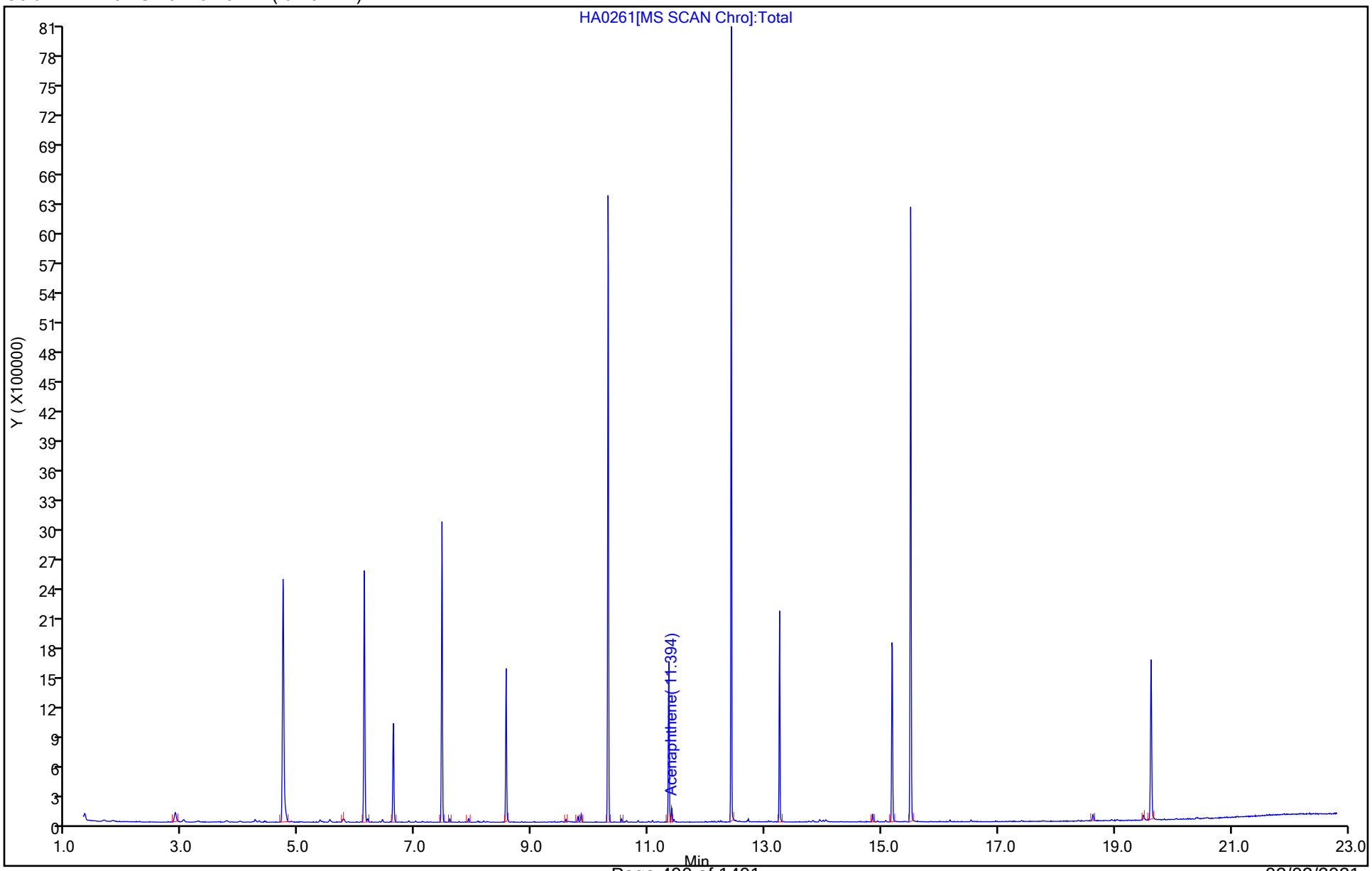
Report Date: 07-Jan-2021 09:01:23 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0261.D

Injection Date:	07-Jan-2021 04:13:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-8-B	Lab Sample ID:	410-25282-8	Worklist Smp#:	12
Client ID:	MW-14S-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



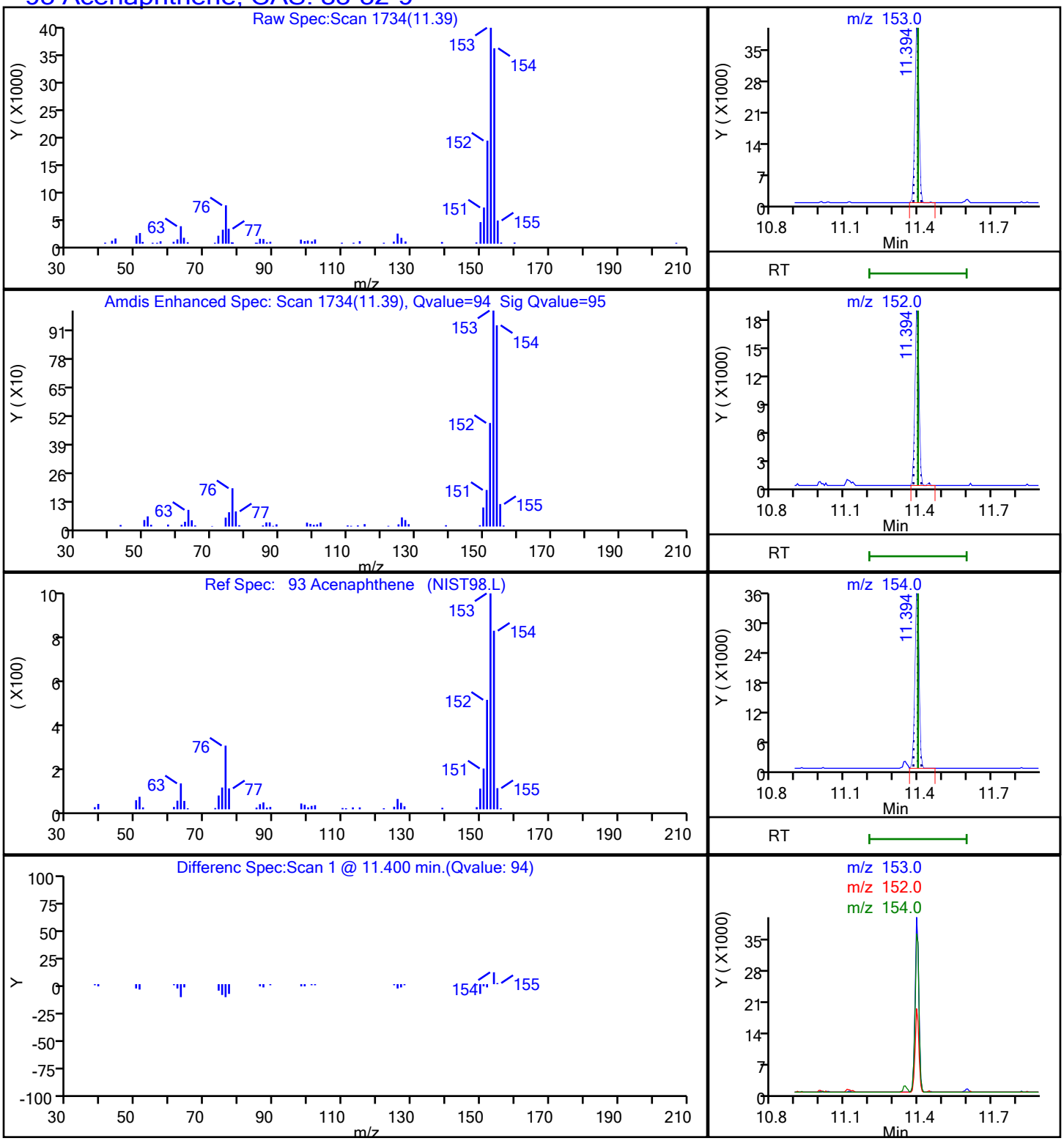
Report Date: 07-Jan-2021 09:01:23 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0261.D

Injection Date:	07-Jan-2021 04:13:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-8-B	Lab Sample ID:	410-25282-8		
Client ID:	MW-14S-20201229				
Operator ID:	sw30417	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

93 Acenaphthene, CAS: 83-32-9



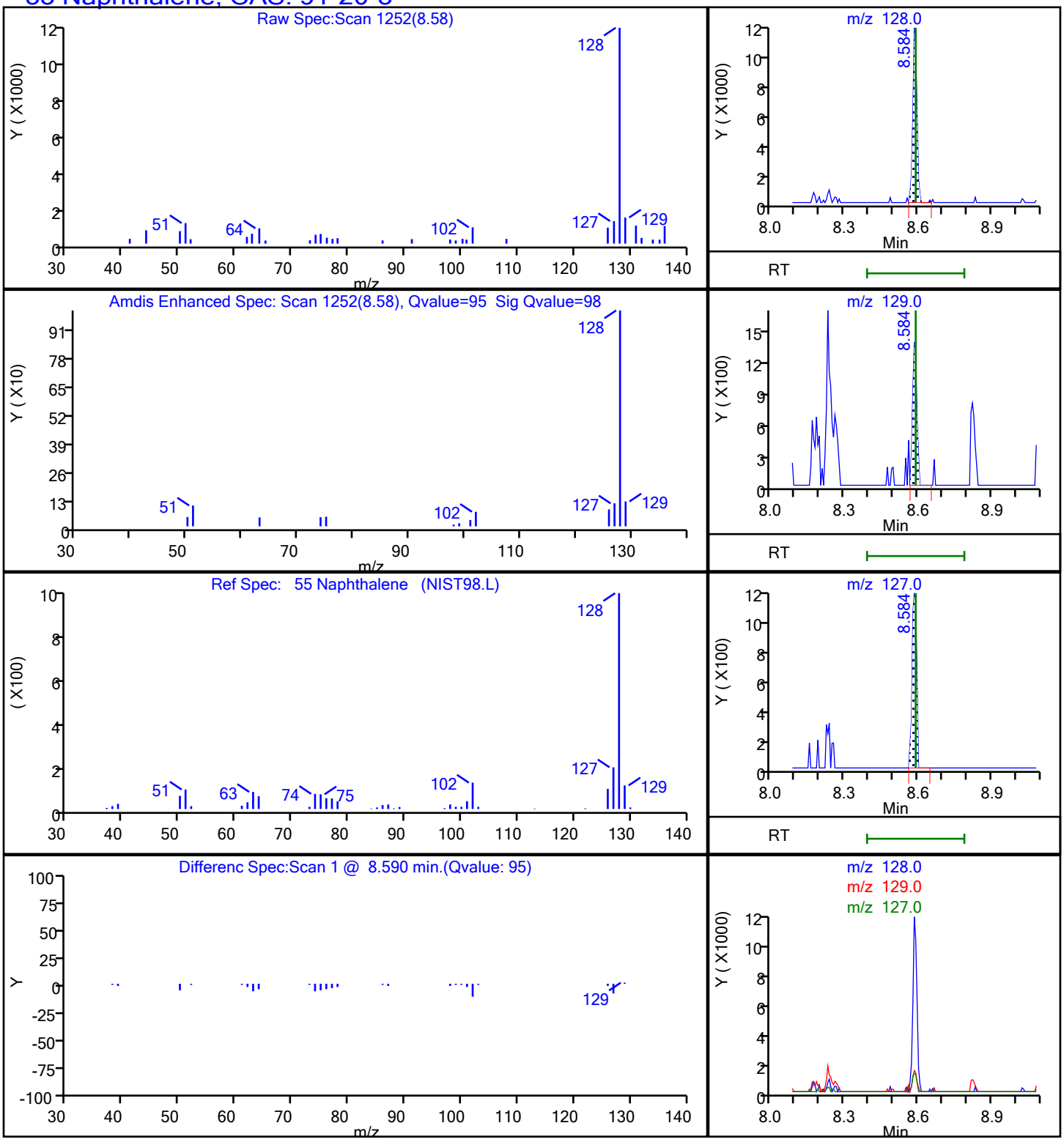
Report Date: 07-Jan-2021 09:01:23 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0261.D

Injection Date:	07-Jan-2021 04:13:30	Instrument ID:	HP18831
Lims ID:	410-25282-D-8-B	Lab Sample ID:	410-25282-8
Client ID:	MW-14S-20201229		
Operator ID:	sw30417	ALS Bottle#:	12 Worklist Smp#: 12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

55 Naphthalene, CAS: 91-20-3



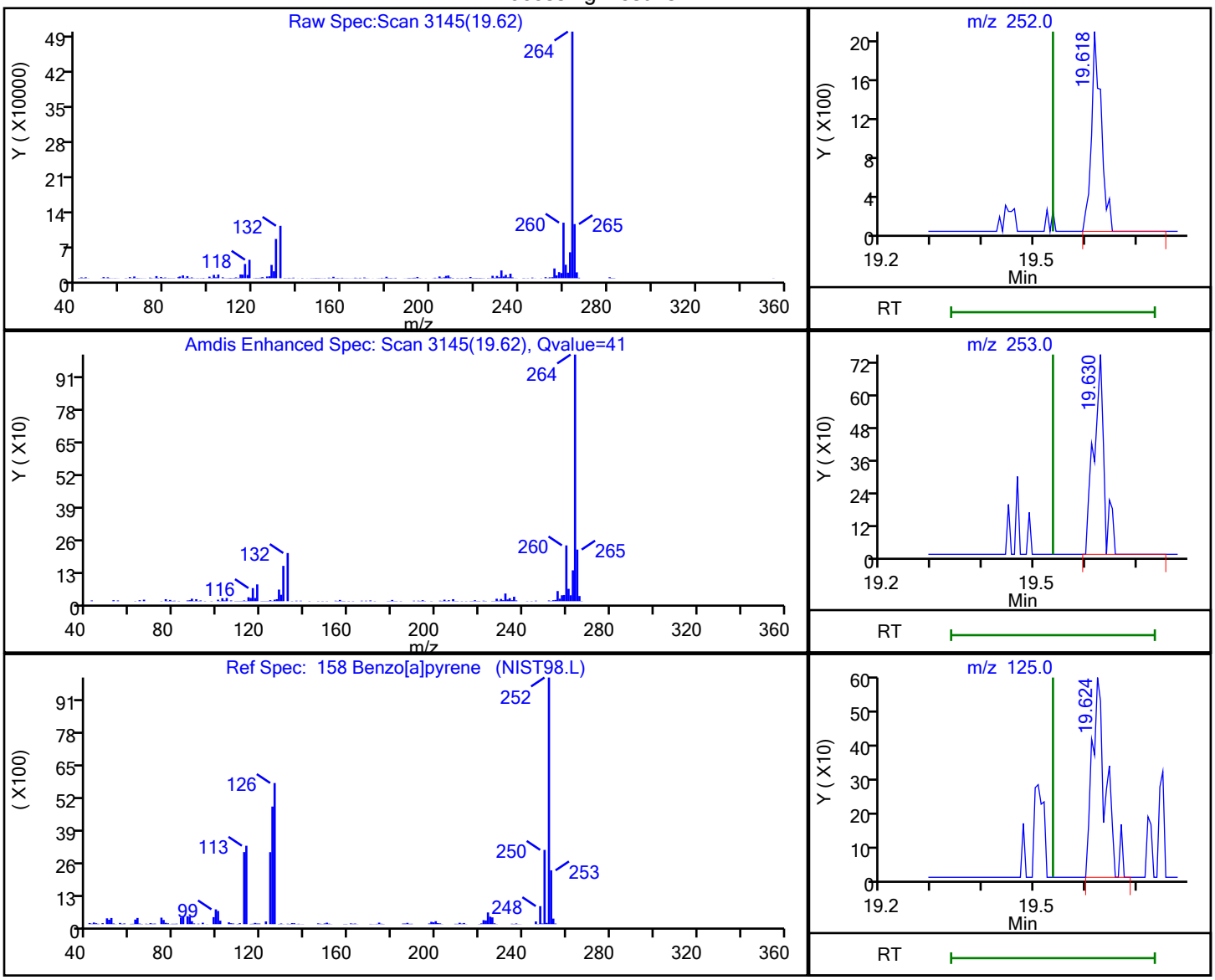
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0261.D				
Injection Date:	07-Jan-2021 04:13:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-8-B	Lab Sample ID:	410-25282-8		
Client ID:	MW-14S-20201229				
Operator ID:	sw30417	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.62	252.00	2745	0.013792
19.63	253.00	1063	
19.62	125.00	1088	

Reviewer: monbornee, 07-Jan-2021 08:56:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-14S-20201229 RE Lab Sample ID: 410-25282-8 RE

Matrix: Ground Water Lab File ID: JA0085.D

Analysis Method: 8270D Date Collected: 12/29/2020 10:59

Extract. Method: 3510C Date Extracted: 01/11/2021 10:30

Sample wt/vol: 246.5(mL) Date Analyzed: 01/12/2021 21:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 84066 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	*Acenaphthene*	*1.4*	*H*	*0.51*	*0.10*
208-96-8	*Acenaphthylene*	*ND*	*H*	*0.51*	*0.10*
120-12-7	*Anthracene*	*ND*	*H*	*0.51*	*0.10*
56-55-3	*Benzo[a]anthracene*	*ND*	*H*	*0.51*	*0.10*
50-32-8	*Benzo[a]pyrene*	*ND*	*H*	*0.51*	*0.10*
205-99-2	*Benzo[b]fluoranthene*	*ND*	*H*	*0.51*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*ND*	*H*	*0.51*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*ND*	*H*	*0.51*	*0.10*
218-01-9	*Chrysene*	*ND*	*H*	*0.51*	*0.10*
53-70-3	*Dibenz(a,h)anthracene*	*ND*	*H*	*0.51*	*0.10*
206-44-0	*Fluoranthene*	*ND*	*H*	*0.51*	*0.10*
86-73-7	*Fluorene*	*ND*	*H*	*0.51*	*0.10*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*ND*	*H*	*0.51*	*0.10*
91-20-3	*Naphthalene*	*ND*	*H*	*0.51*	*0.10*
85-01-8	*Phenanthrene*	*ND*	*H*	*0.51*	*0.10*
129-00-0	*Pyrene*	*ND*	*H*	*0.51*	*0.10*

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	71		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	74		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0085.D
Lims ID: 410-25282-E-8-A
Client ID: MW-14S-20201229
Sample Type: Client
Inject. Date: 12-Jan-2021 21:24:30 ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-E-8-A
Misc. Info.: 410-0019719-019
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Jan-2021 22:56:30 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: williamss Date: 12-Jan-2021 22:53:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	98	121464	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.482	0.001	91	802819	17.7	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	465990	5.00	
57 Naphthalene	128		8.616				ND	U
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	919201	15.6	
91 Acenaphthylene	152		11.146				ND	7
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	97	182734	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	98	17922	0.3443	
107 Fluorene	166		12.155				ND	
* 128 Phenanthrene-d10	188	13.279	13.278	0.001	96	274421	5.00	
130 Phenanthrene	178		13.312				ND	7
131 Anthracene	178		13.380				ND	7
139 Fluoranthene	202		14.923				ND	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	225115	5.00	
142 Pyrene	202		15.252				ND	7
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	787514	18.7	
149 Benzo[a]anthracene	228		17.249				ND	
152 Chrysene	228		17.305				ND	
156 Benzo[b]fluoranthene	252		19.087				ND	
158 Benzo[k]fluoranthene	252		19.132				ND	
159 Benzo[a]pyrene	252		19.608				ND	7
* 160 Perylene-d12	264	19.699	19.699	0.000	95	223728	5.00	
164 Indeno[1,2,3-cd]pyrene	276		21.299				ND	
165 Dibenz(a,h)anthracene	278		21.344				ND	
166 Benzo[g,h,i]perylene	276		21.662				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

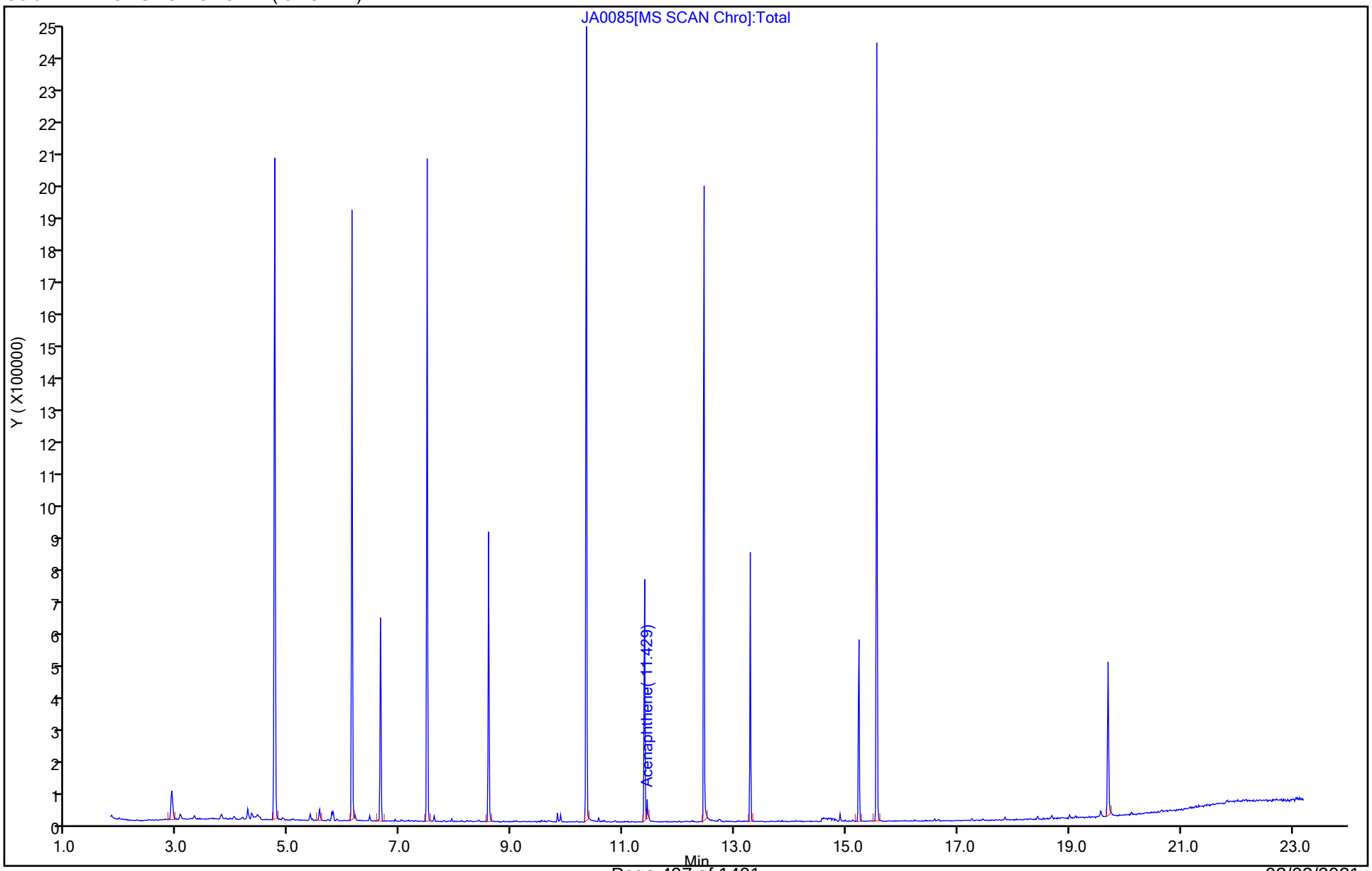
Report Date: 12-Jan-2021 22:57:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0085.D

Injection Date:	12-Jan-2021 21:24:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-E-8-A	Lab Sample ID:	410-25282-8	Worklist Smp#:	19
Client ID:	MW-14S-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



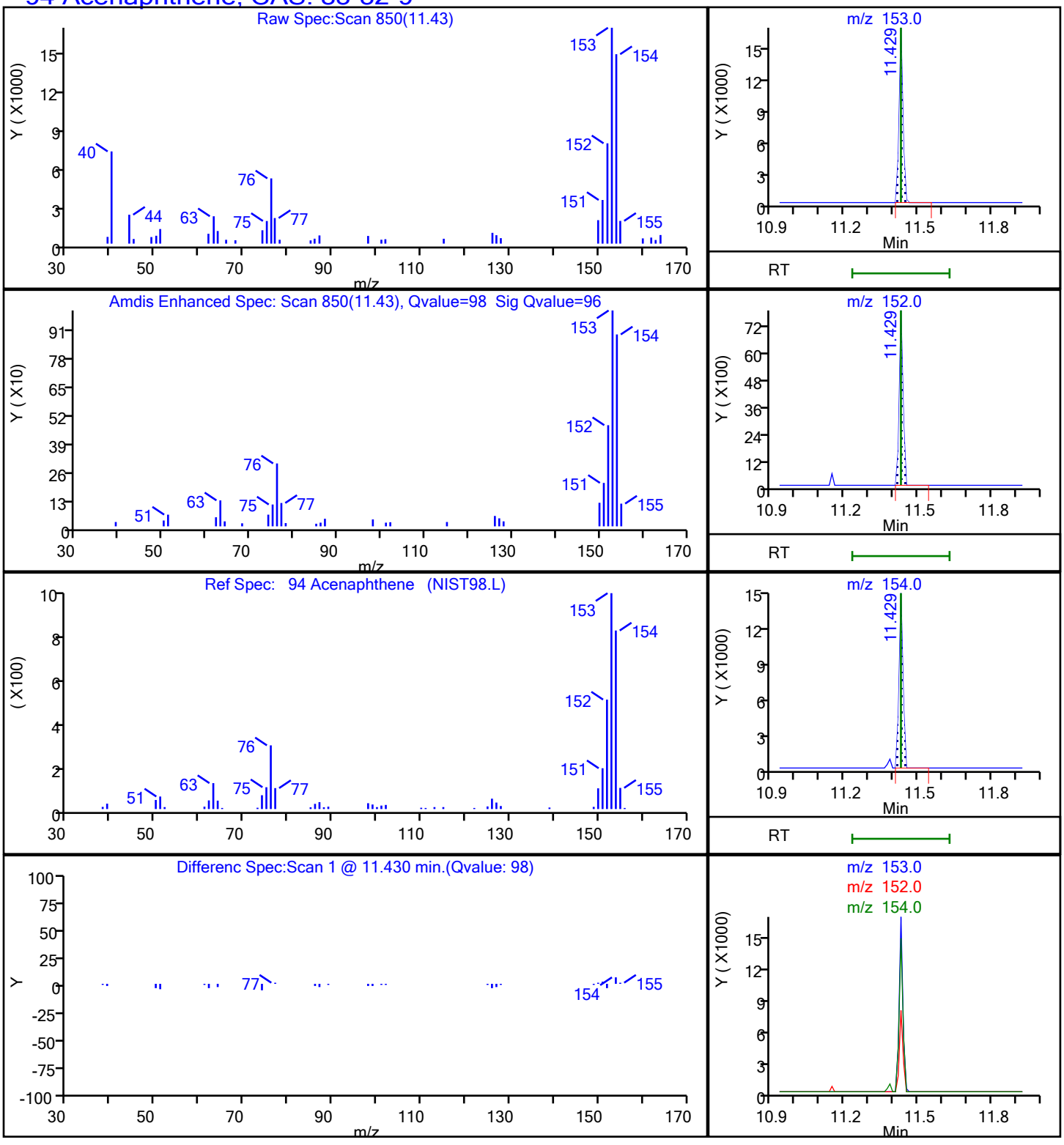
Report Date: 12-Jan-2021 22:57:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0085.D

Injection Date:	12-Jan-2021 21:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-8-A	Lab Sample ID:	410-25282-8		
Client ID:	MW-14S-20201229				
Operator ID:	knb25316	ALS Bottle#:	16	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

94 Acenaphthene, CAS: 83-32-9



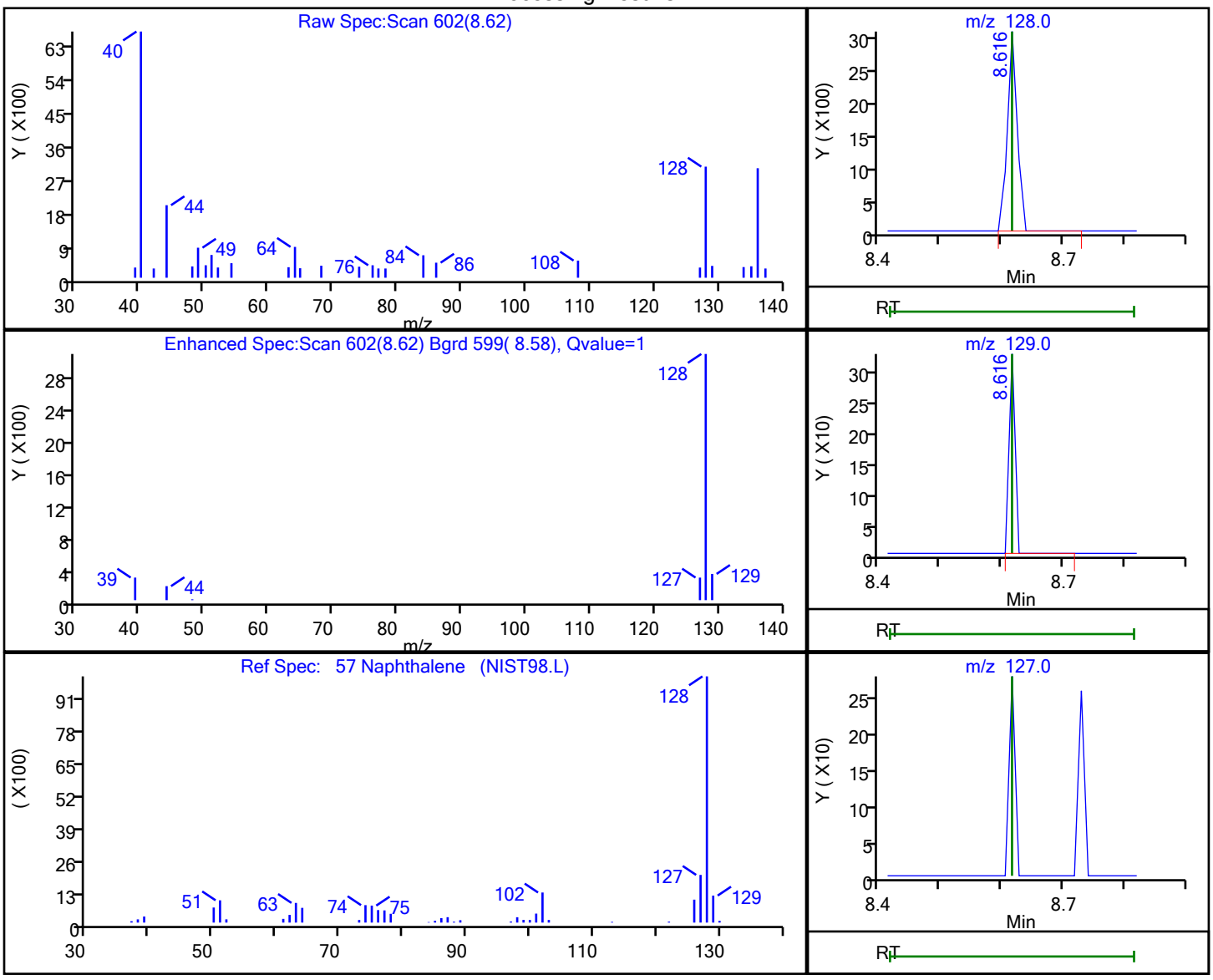
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0085.D				
Injection Date:	12-Jan-2021 21:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-8-A	Lab Sample ID:	410-25282-8		
Client ID:	MW-14S-20201229				
Operator ID:	knb25316	ALS Bottle#:	16	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

57 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
8.62	128.00	3402	0.033172
8.62	129.00	219	
8.62	127.00	0	

Reviewer: williamss, 12-Jan-2021 22:53:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-14D-20201229 Lab Sample ID: 410-25282-9

Matrix: Ground Water Lab File ID: HA0262.D

Analysis Method: 8270D Date Collected: 12/29/2020 11:51

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 247.2(mL) Date Analyzed: 01/07/2021 04:42

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	71		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	62		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0262.D
Lims ID: 410-25282-D-9-B
Client ID: MW-14D-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 04:42:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-9-B
Misc. Info.: 410-0019389-013
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:57:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	215621	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	93	1060367	17.9	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	801660	5.00	
55 Naphthalene	128		8.590				ND	7
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2311272	17.6	
89 Acenaphthylene	152		11.120				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	397633	5.00	
93 Acenaphthene	153		11.399				ND	
105 Fluorene	166		12.128				ND	7
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	785341	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	99	784929	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2453169	15.6	
148 Benzo[a]anthracene	228		17.187				ND	
151 Chrysene	228		17.246				ND	
155 Benzo[b]fluoranthene	252		19.017				ND	
157 Benzo[k]fluoranthene	252		19.064				ND	
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	99	823024	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.261				ND	
165 Benzo[g,h,i]perylene	276		21.582				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

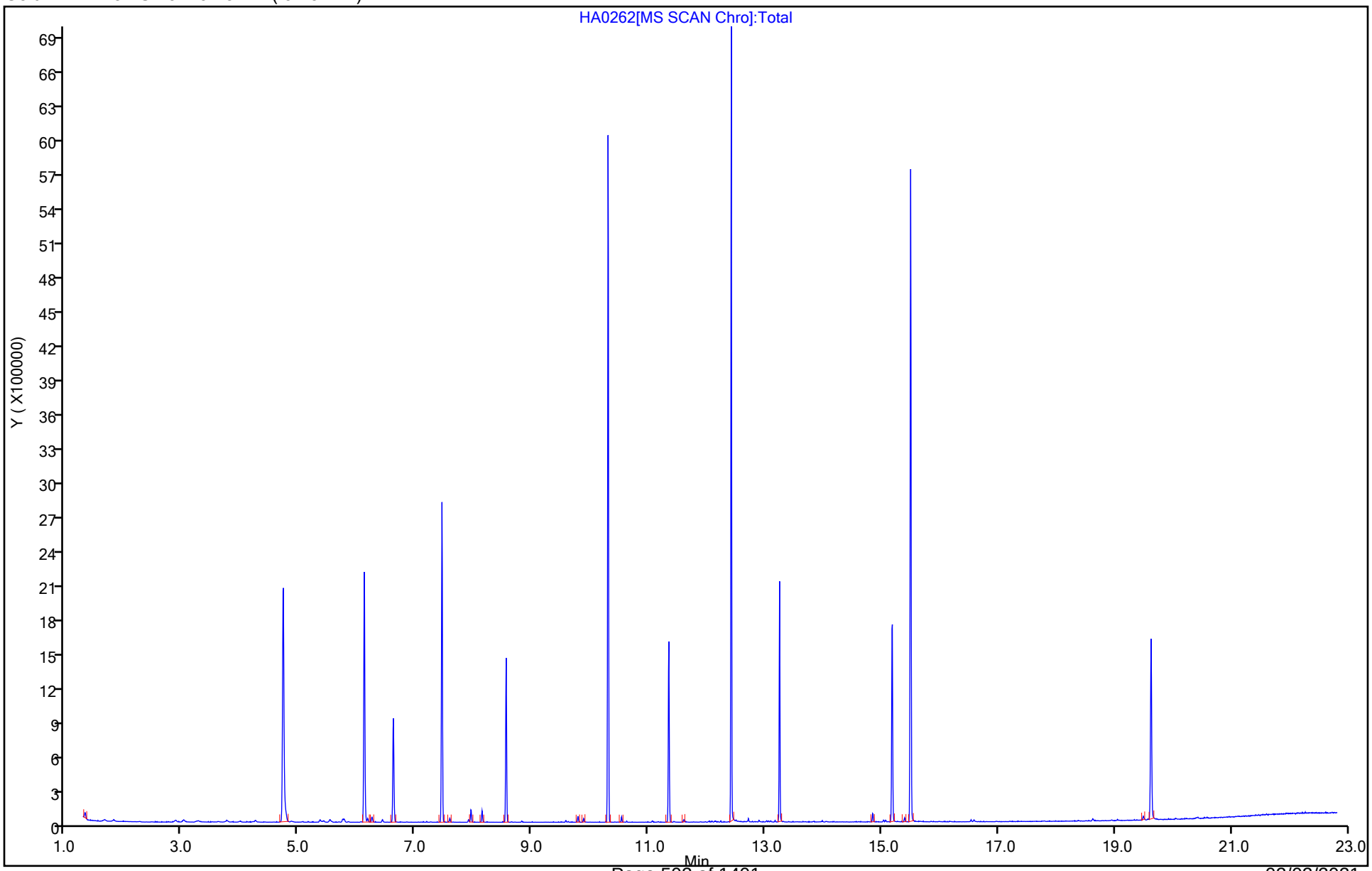
Report Date: 07-Jan-2021 09:01:24 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0262.D

Injection Date:	07-Jan-2021 04:42:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-9-B	Lab Sample ID:	410-25282-9	Worklist Smp#:	13
Client ID:	MW-14D-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



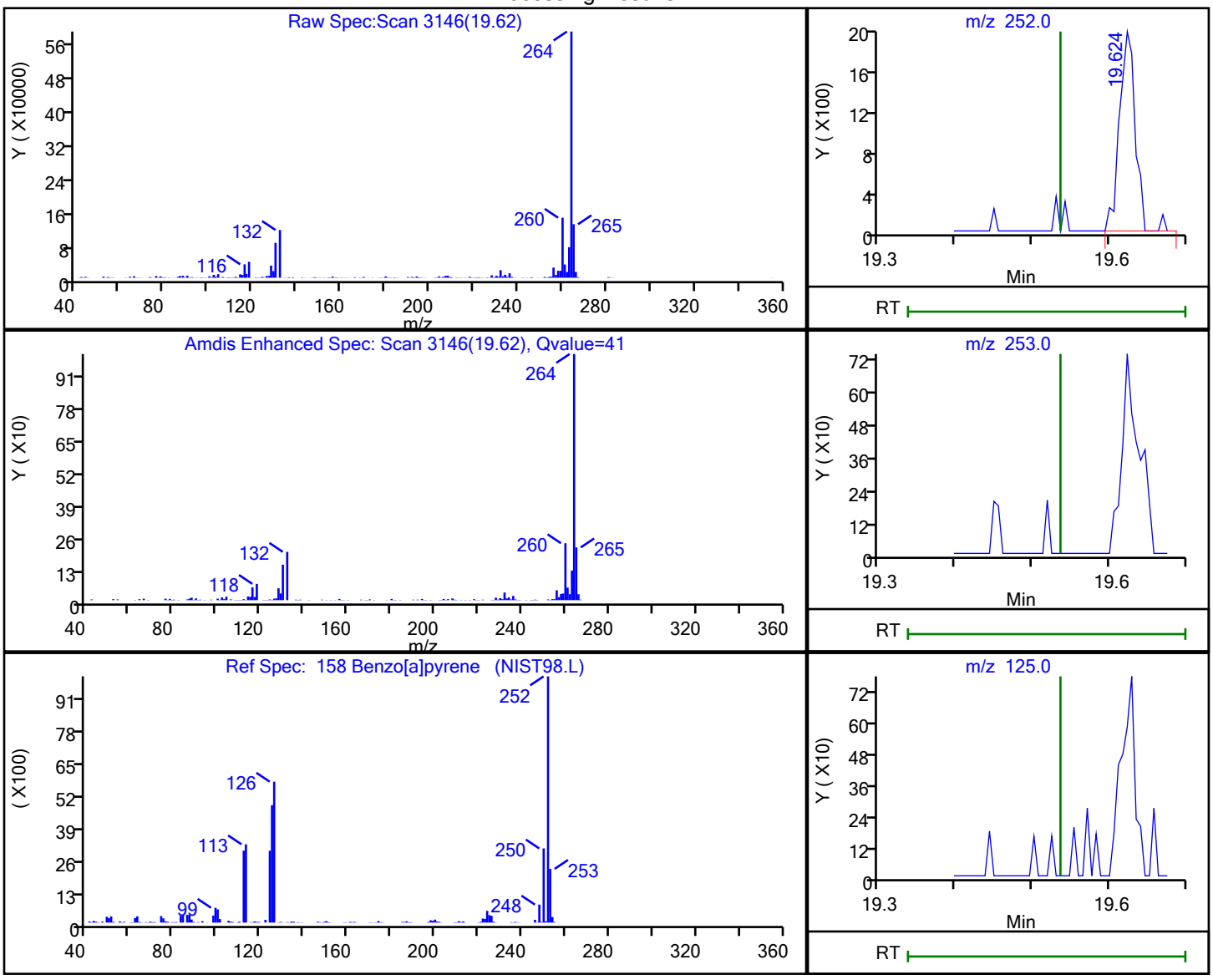
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0262.D				
Injection Date:	07-Jan-2021 04:42:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-9-B	Lab Sample ID:	410-25282-9		
Client ID:	MW-14D-20201229				
Operator ID:	sw30417	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.62	252.00	2832	0.015120
19.62	253.00	1233	
19.63	125.00	1082	

Reviewer: monbornee, 07-Jan-2021 08:56:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-12S-20201229 Lab Sample ID: 410-25282-10

Matrix: Ground Water Lab File ID: HA0263.D

Analysis Method: 8270D Date Collected: 12/29/2020 13:18

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 247.5(mL) Date Analyzed: 01/07/2021 05:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	0.17	J	0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	66		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	38		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0263.D
Lims ID: 410-25282-D-10-B
Client ID: MW-12S-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 05:10:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-10-B
Misc. Info.: 410-0019389-014
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:57:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	185939	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	860806	16.5	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	705119	5.00	
55 Naphthalene	128	8.584	8.590	-0.006	95	6631	0.0429	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	1888878	16.6	
89 Acenaphthylene	152		11.120				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	345611	5.00	
93 Acenaphthene	153		11.399				ND	
105 Fluorene	166		12.128				ND	7
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	688334	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	100	691428	5.00	
141 Pyrene	202		15.211				ND	U
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	1325381	9.56	
148 Benzo[a]anthracene	228		17.187				ND	
151 Chrysene	228		17.246				ND	
155 Benzo[b]fluoranthene	252		19.017				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	99	725369	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.261				ND	
165 Benzo[g,h,i]perylene	276		21.582				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

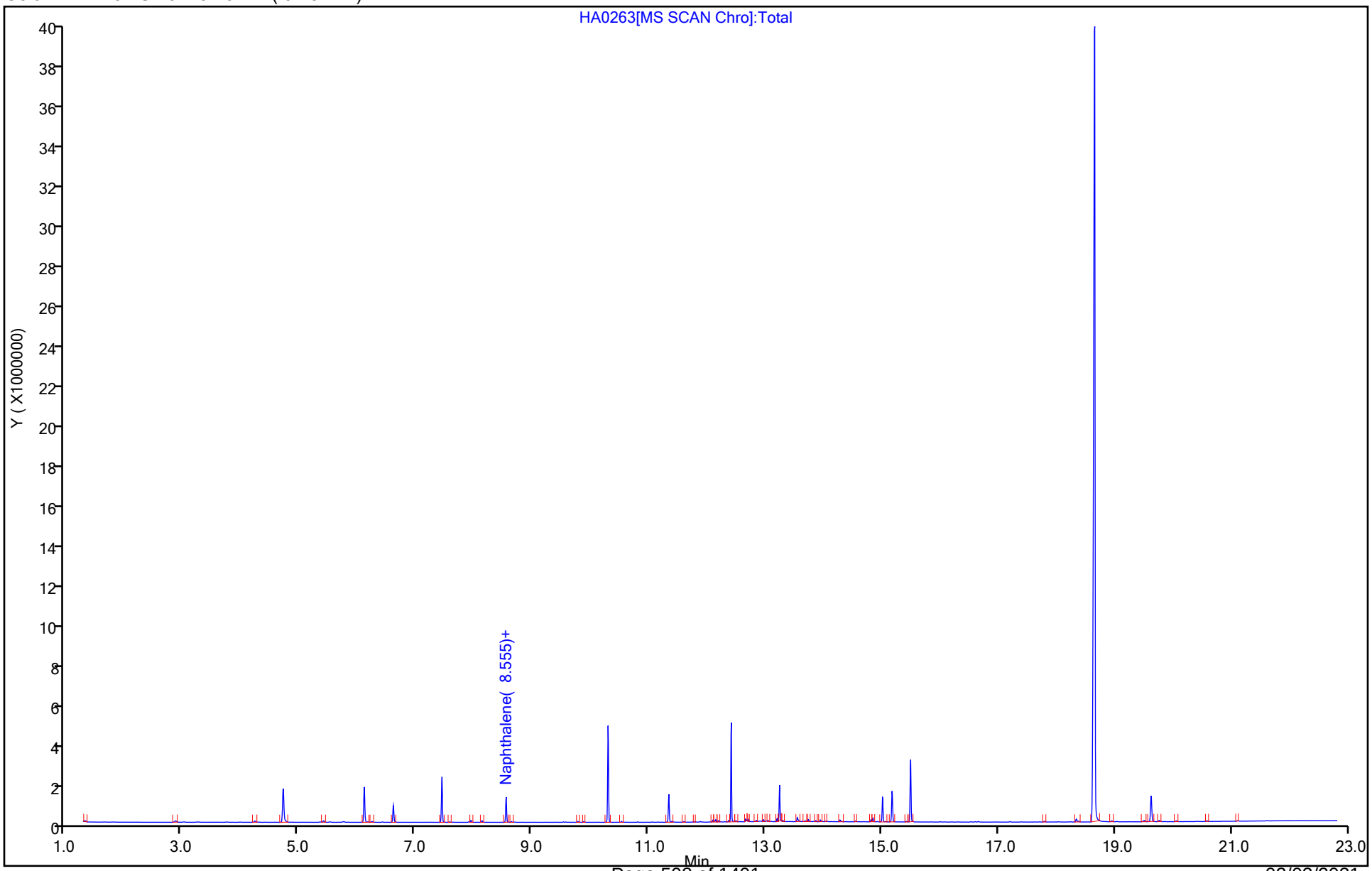
Report Date: 07-Jan-2021 09:01:26 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0263.D

Injection Date:	07-Jan-2021 05:10:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-10-B	Lab Sample ID:	410-25282-10	Worklist Smp#:	14
Client ID:	MW-12S-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



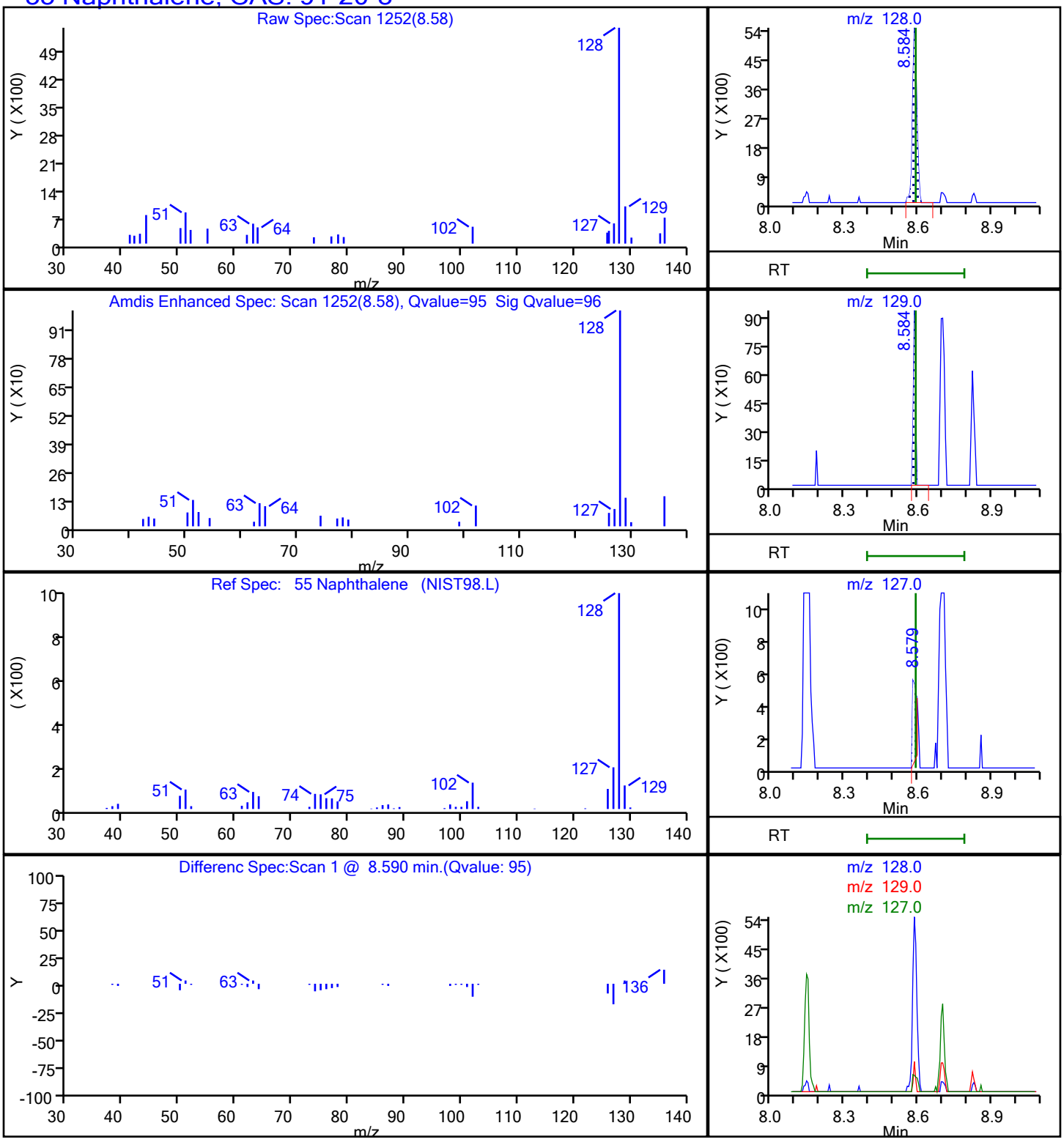
Report Date: 07-Jan-2021 09:01:26 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0263.D

Injection Date:	07-Jan-2021 05:10:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-10-B	Lab Sample ID:	410-25282-10		
Client ID:	MW-12S-20201229				
Operator ID:	sw30417	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

55 Naphthalene, CAS: 91-20-3



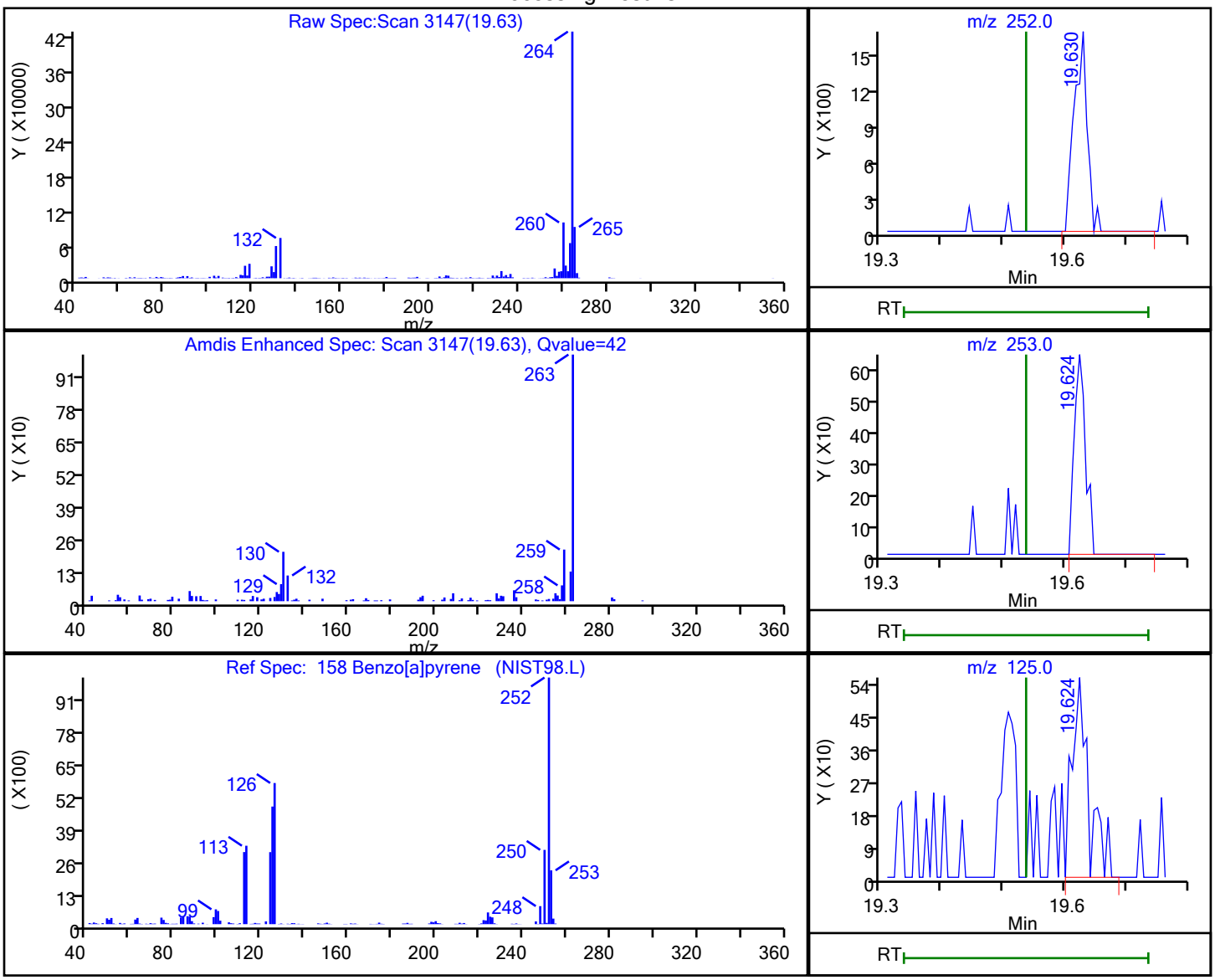
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0263.D				
Injection Date:	07-Jan-2021 05:10:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-10-B	Lab Sample ID:	410-25282-10		
Client ID:	MW-12S-20201229				
Operator ID:	sw30417	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.63	252.00	2406	0.014575
19.62	253.00	820	
19.62	125.00	1063	

Reviewer: monbornee, 07-Jan-2021 08:57:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

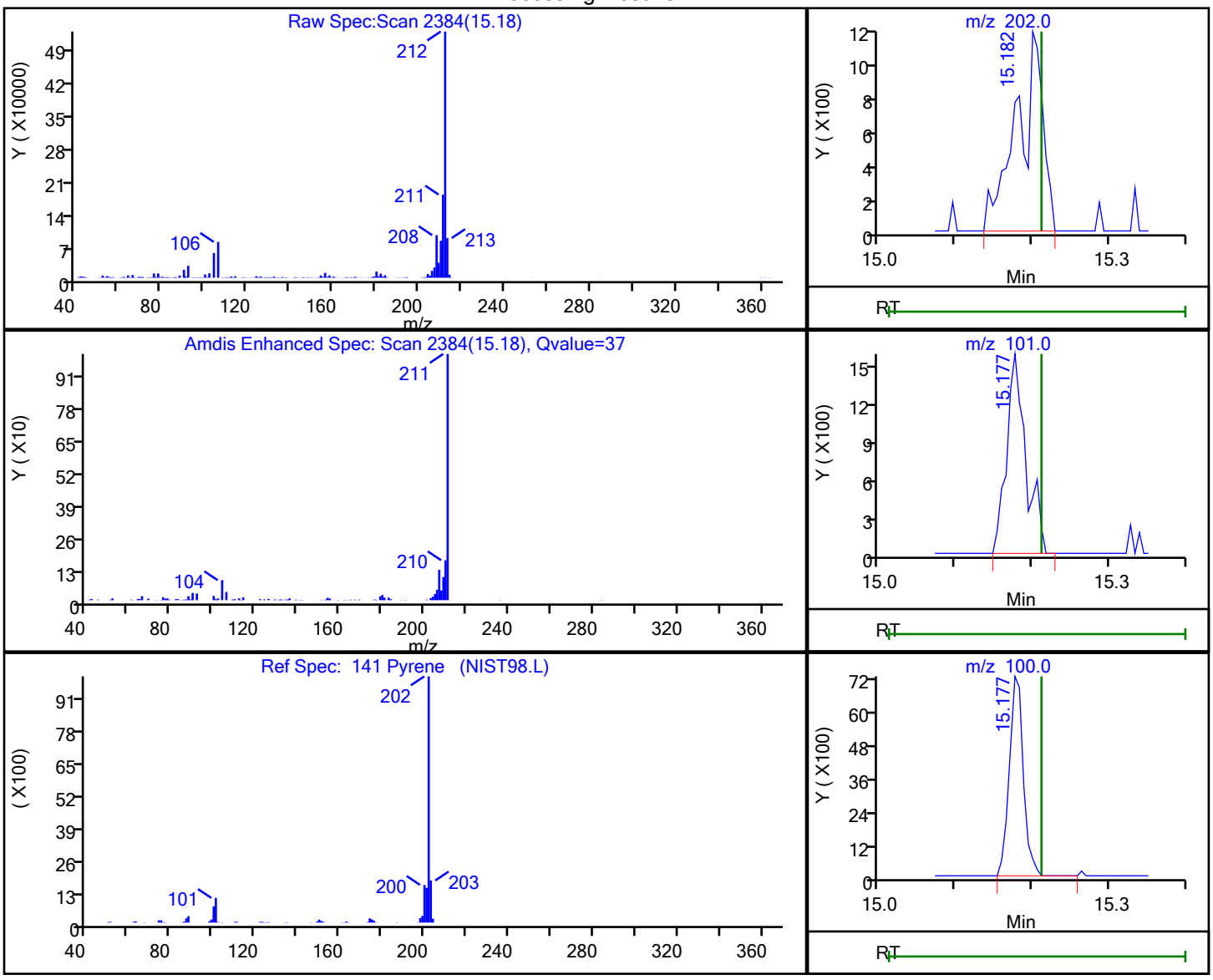
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0263.D				
Injection Date:	07-Jan-2021 05:10:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-10-B	Lab Sample ID:	410-25282-10		
Client ID:	MW-12S-20201229				
Operator ID:	sw30417	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
15.18	202.00	2767	0.014471
15.18	101.00	2654	
15.18	100.00	9309	
15.18	203.00	2091	

Reviewer: monbornee, 07-Jan-2021 08:57:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-12S-20201229 RE Lab Sample ID: 410-25282-10 RE

Matrix: Ground Water Lab File ID: JA0086.D

Analysis Method: 8270D Date Collected: 12/29/2020 13:18

Extract. Method: 3510C Date Extracted: 01/11/2021 10:30

Sample wt/vol: 248.4(mL) Date Analyzed: 01/12/2021 21:54

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 84066 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	*Acenaphthene*	*ND*	*H*	*0.50*	*0.10*
208-96-8	*Acenaphthylene*	*ND*	*H*	*0.50*	*0.10*
120-12-7	*Anthracene*	*ND*	*H*	*0.50*	*0.10*
56-55-3	*Benzo[a]anthracene*	*ND*	*H*	*0.50*	*0.10*
50-32-8	*Benzo[a]pyrene*	*ND*	*H*	*0.50*	*0.10*
205-99-2	*Benzo[b]fluoranthene*	*ND*	*H*	*0.50*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*ND*	*H*	*0.50*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*ND*	*H*	*0.50*	*0.10*
218-01-9	*Chrysene*	*ND*	*H*	*0.50*	*0.10*
53-70-3	*Dibenz(a,h)anthracene*	*ND*	*H*	*0.50*	*0.10*
206-44-0	*Fluoranthene*	*ND*	*H*	*0.50*	*0.10*
86-73-7	*Fluorene*	*ND*	*H*	*0.50*	*0.10*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*ND*	*H*	*0.50*	*0.10*
91-20-3	*Naphthalene*	*ND*	*H*	*0.50*	*0.10*
85-01-8	*Phenanthrene*	*ND*	*H*	*0.50*	*0.10*
129-00-0	*Pyrene*	*ND*	*H*	*0.50*	*0.10*

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	78		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	53		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0086.D
Lims ID: 410-25282-E-10-A
Client ID: MW-12S-20201229
Sample Type: Client
Inject. Date: 12-Jan-2021 21:54:30 ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-E-10-A
Misc. Info.: 410-0019719-020
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Jan-2021 22:56:30 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: williamss Date: 12-Jan-2021 22:53:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	127198	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.482	0.001	91	948091	19.5	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	499552	5.00	
57 Naphthalene	128		8.616				ND	7
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1058552	17.9	
91 Acenaphthylene	152		11.146				ND	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	97	183098	5.00	
94 Acenaphthene	153		11.429				ND	
107 Fluorene	166		12.155				ND	
* 128 Phenanthrene-d10	188	13.279	13.278	0.000	97	294057	5.00	
130 Phenanthrene	178		13.312				ND	
131 Anthracene	178		13.380				ND	
139 Fluoranthene	202		14.923				ND	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	230093	5.00	
142 Pyrene	202		15.252				ND	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	571175	13.2	
149 Benzo[a]anthracene	228		17.249				ND	
152 Chrysene	228		17.305				ND	
156 Benzo[b]fluoranthene	252		19.087				ND	
158 Benzo[k]fluoranthene	252		19.132				ND	
159 Benzo[a]pyrene	252		19.608				ND	U
* 160 Perylene-d12	264	19.699	19.699	0.000	95	230337	5.00	
164 Indeno[1,2,3-cd]pyrene	276		21.299				ND	
165 Dibenz(a,h)anthracene	278		21.344				ND	
166 Benzo[g,h,i]perylene	276		21.662				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

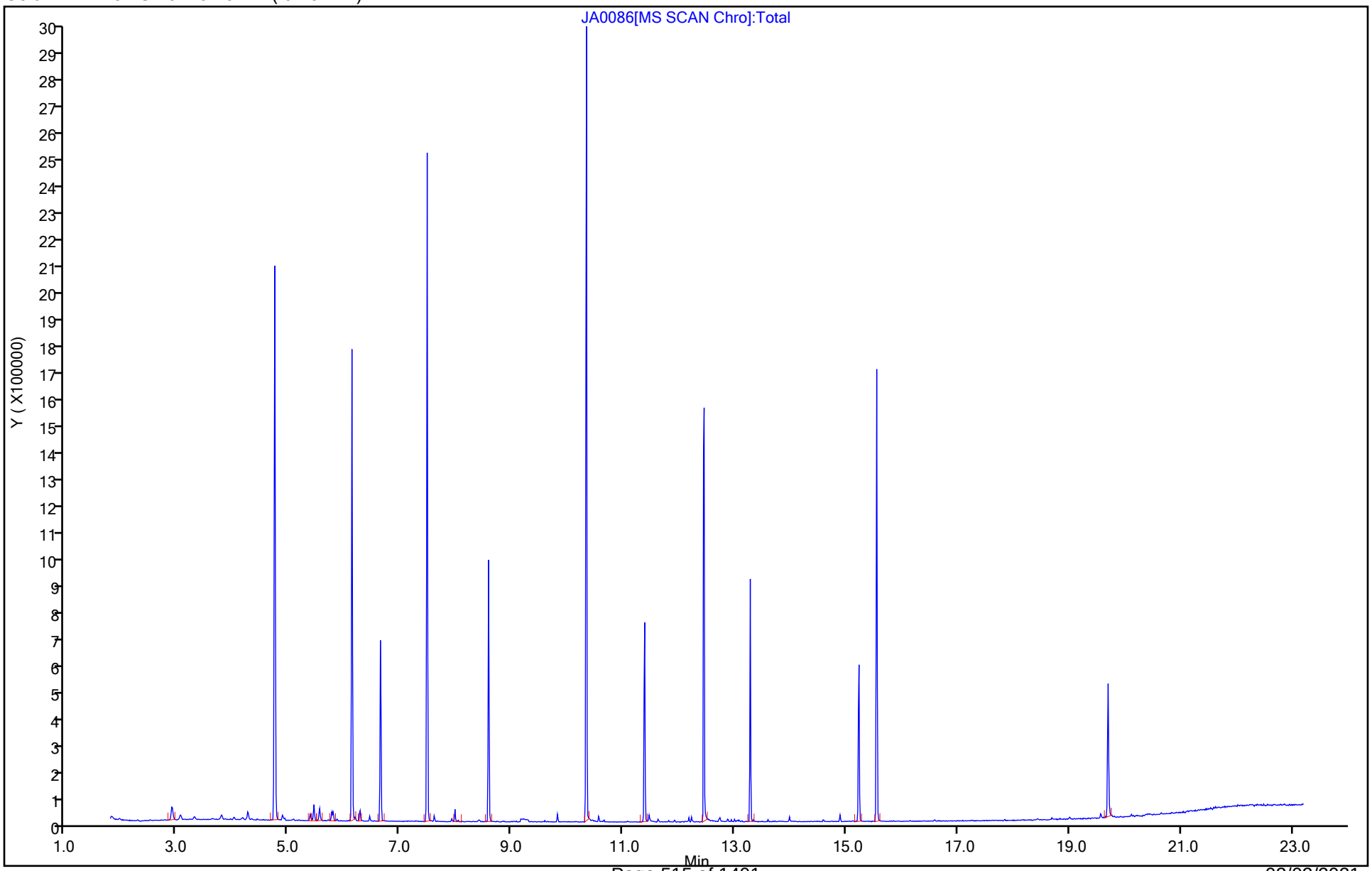
Report Date: 12-Jan-2021 22:57:02 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0086.D

Injection Date:	12-Jan-2021 21:54:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-E-10-A	Lab Sample ID:	410-25282-10	Worklist Smp#:	20
Client ID:	MW-12S-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



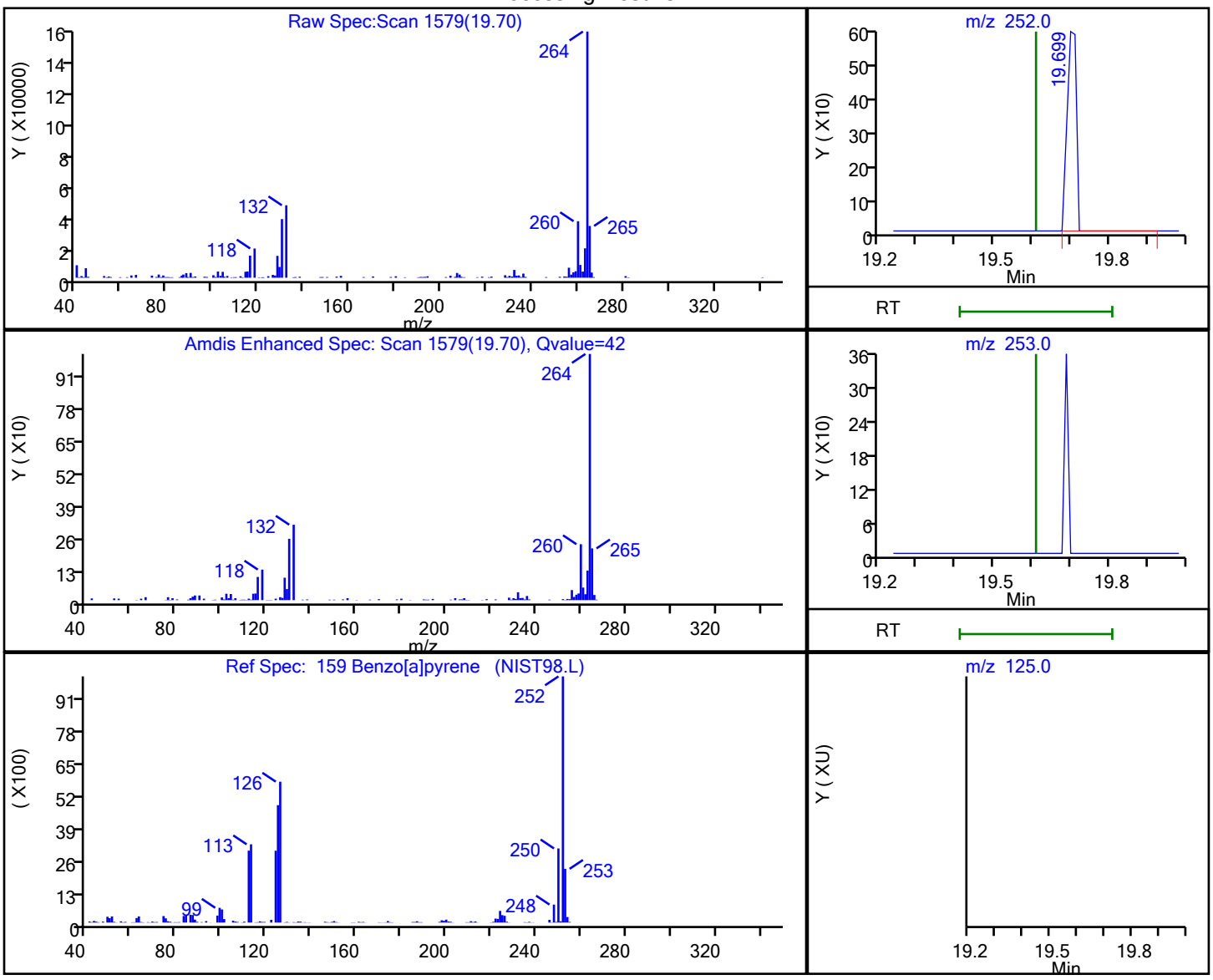
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0086.D				
Injection Date:	12-Jan-2021 21:54:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-10-A	Lab Sample ID:	410-25282-10		
Client ID:	MW-12S-20201229				
Operator ID:	knb25316	ALS Bottle#:	17	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

159 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.70	252.00	1000	0.018278
19.61	253.00	0	
19.61	125.00	0	

Reviewer: williamss, 12-Jan-2021 22:53:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-12D-20201229 Lab Sample ID: 410-25282-11

Matrix: Ground Water Lab File ID: HA0264.D

Analysis Method: 8270D Date Collected: 12/29/2020 14:00

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 245.8(mL) Date Analyzed: 01/07/2021 05:39

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	69		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	76		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0264.D
Lims ID: 410-25282-D-11-B
Client ID: MW-12D-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 05:39:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-11-B
Misc. Info.: 410-0019389-015
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:57:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	213516	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	1021060	17.1	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	804951	5.00	
55 Naphthalene	128		8.590				ND	U
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2275710	17.5	
89 Acenaphthylene	152		11.120				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	98	393561	5.00	
93 Acenaphthene	153		11.399				ND	7
105 Fluorene	166		12.128				ND	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	98	797714	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	100	798971	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	3053687	19.1	
148 Benzo[a]anthracene	228		17.187				ND	
151 Chrysene	228		17.246				ND	7
155 Benzo[b]fluoranthene	252		19.017				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	7
* 159 Perylene-d12	264	19.624	19.624	0.000	98	861524	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.261				ND	7
165 Benzo[g,h,i]perylene	276		21.582				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

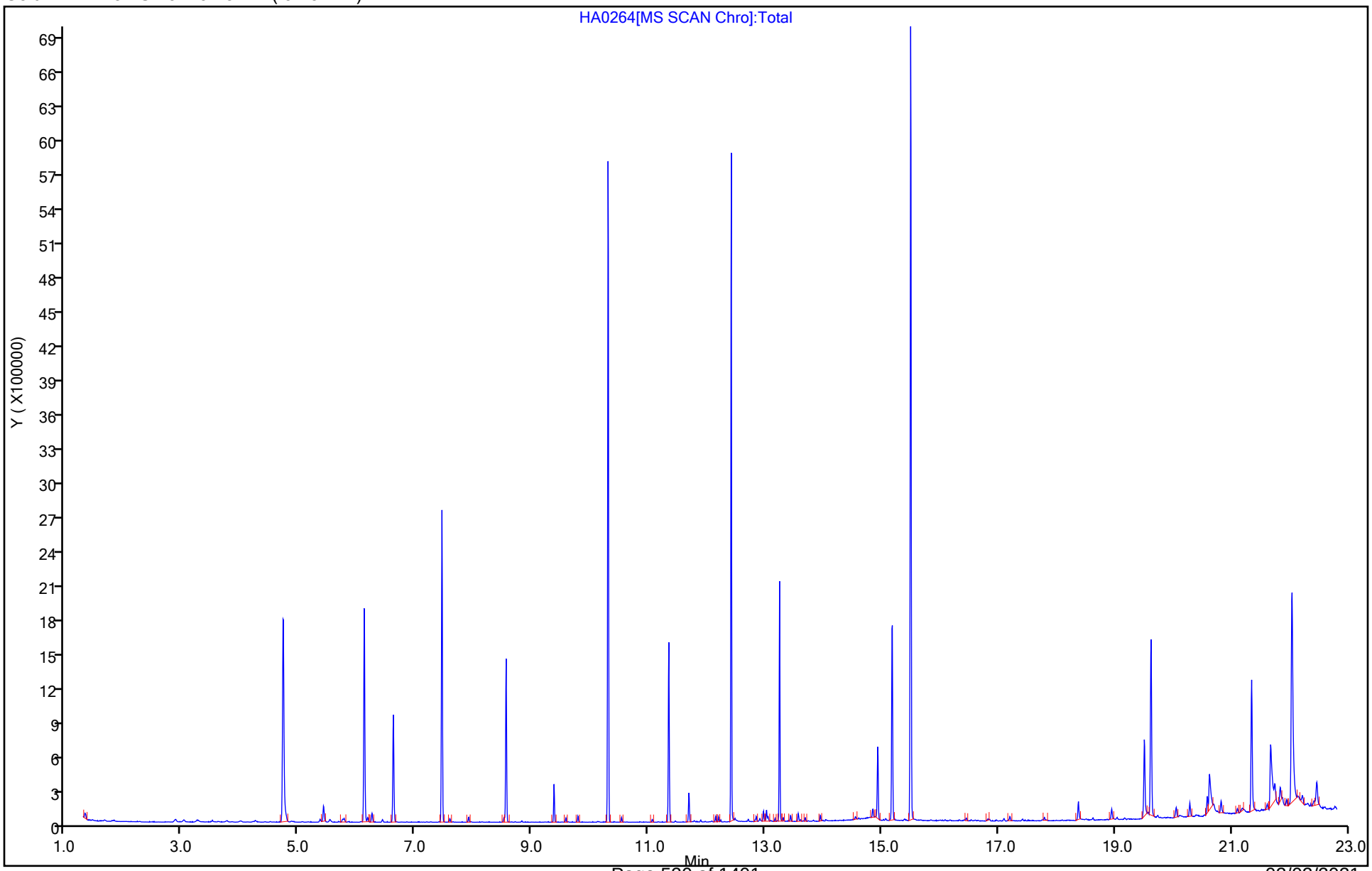
MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Jan-2021 09:01:27 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0264.D				
Injection Date:	07-Jan-2021 05:39:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-11-B	Lab Sample ID:	410-25282-11	Worklist Smp#:	15
Client ID:	MW-12D-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



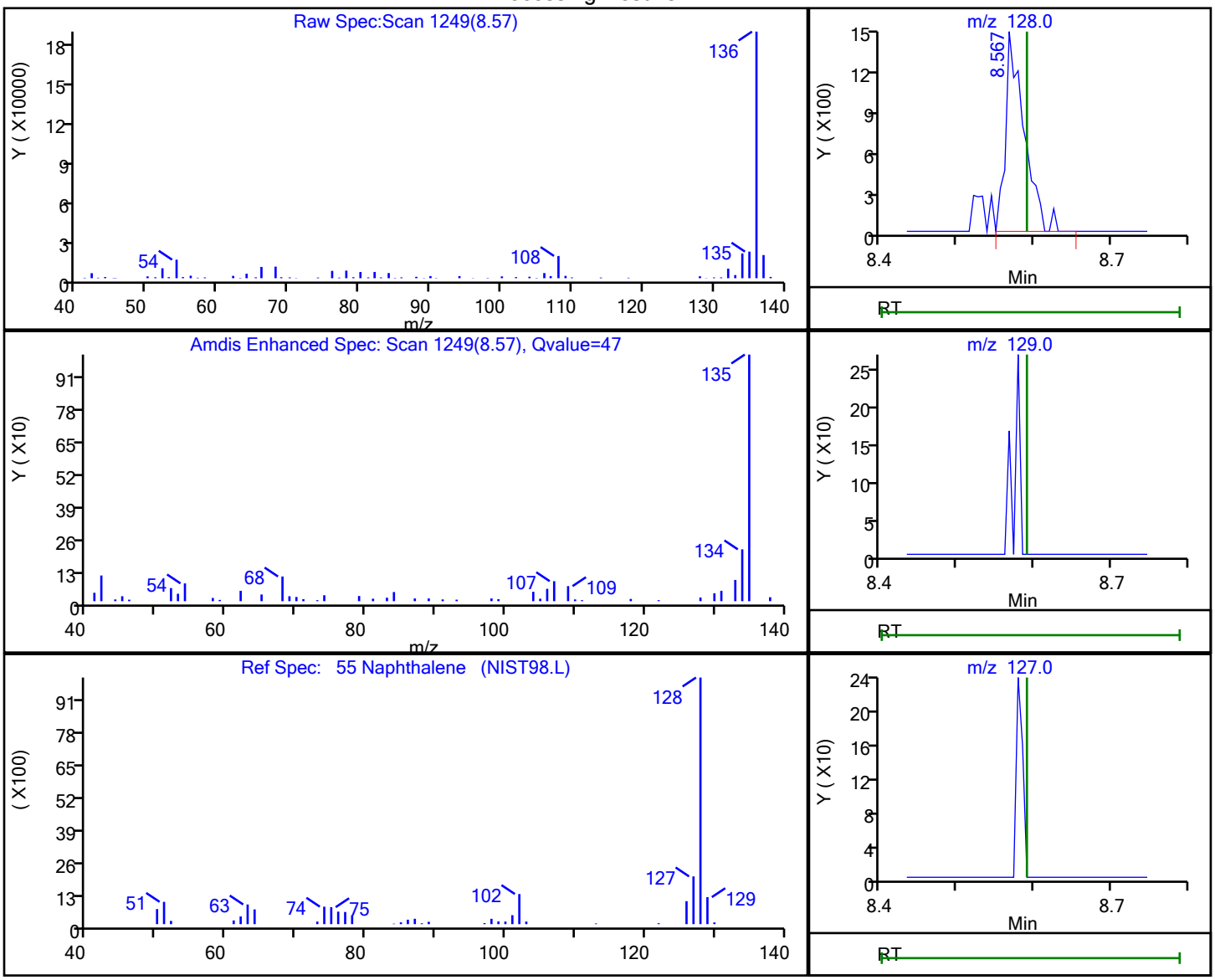
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0264.D				
Injection Date:	07-Jan-2021 05:39:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-11-B	Lab Sample ID:	410-25282-11		
Client ID:	MW-12D-20201229				
Operator ID:	sw30417	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

55 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
8.57	128.00	2371	0.013424
8.59	129.00	0	
8.59	127.00	0	

Reviewer: monbornee, 07-Jan-2021 08:57:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: FB-20201229 Lab Sample ID: 410-25282-12

Matrix: Ground Water Lab File ID: HA0265.D

Analysis Method: 8270D Date Collected: 12/29/2020 14:20

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 247.6(mL) Date Analyzed: 01/07/2021 06:08

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	71		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	73		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	80		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0265.D
Lims ID: 410-25282-D-12-B
Client ID: FB-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 06:08:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-12-B
Misc. Info.: 410-0019389-016
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:58:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	201115	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	1013806	18.3	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	749869	5.00	
55 Naphthalene	128		8.590				ND	7
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2213129	17.9	
89 Acenaphthylene	152		11.120				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	374978	5.00	
93 Acenaphthene	153		11.399				ND	
105 Fluorene	166		12.128				ND	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	737121	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	100	729686	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2932729	20.1	
148 Benzo[a]anthracene	228		17.187				ND	
151 Chrysene	228		17.246				ND	
155 Benzo[b]fluoranthene	252		19.017				ND	
157 Benzo[k]fluoranthene	252		19.064				ND	
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	777209	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.261				ND	
165 Benzo[g,h,i]perylene	276		21.582				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

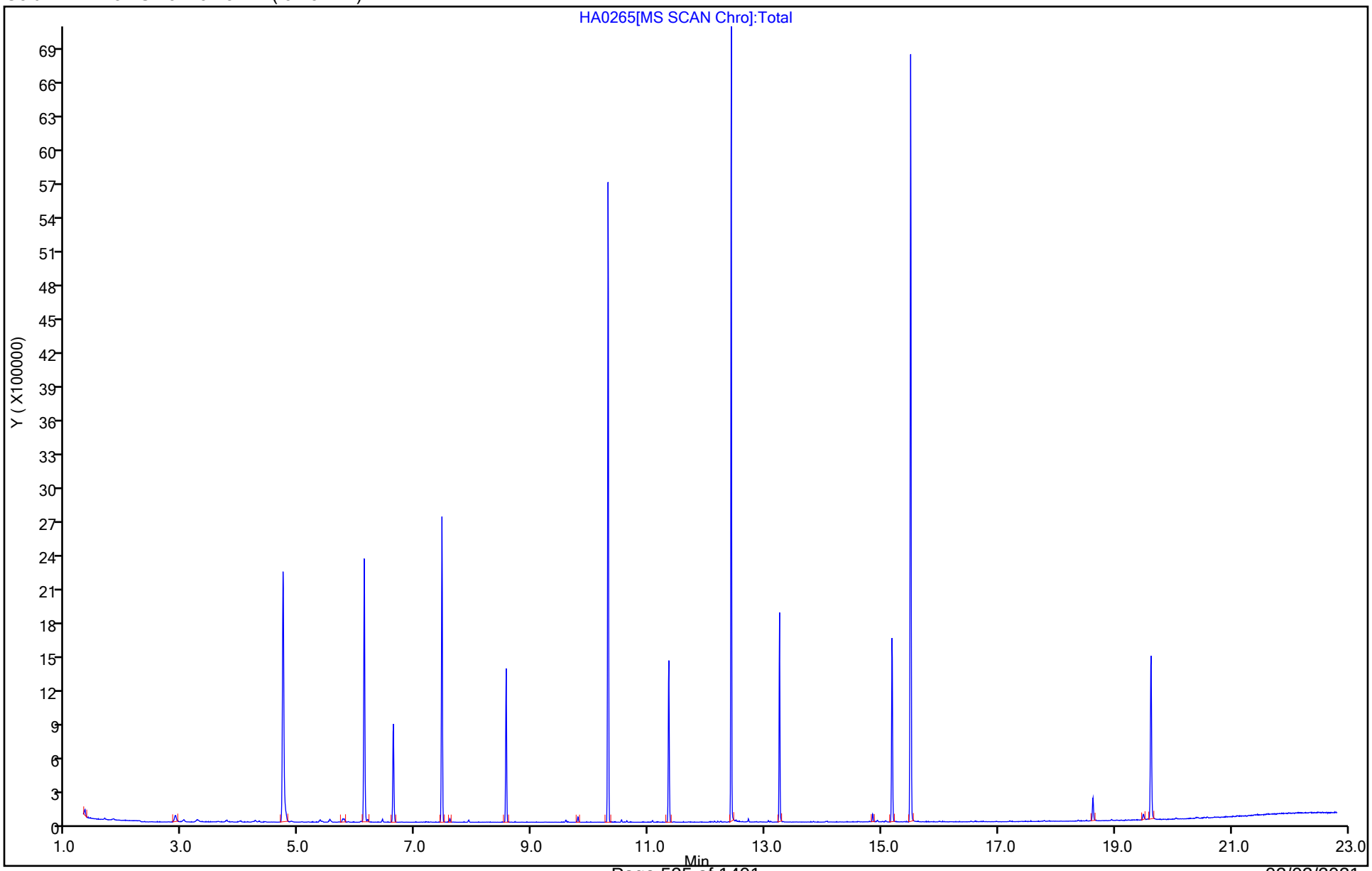
MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Jan-2021 09:01:28 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0265.D				
Injection Date:	07-Jan-2021 06:08:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-12-B	Lab Sample ID:	410-25282-12	Worklist Smp#:	16
Client ID:	FB-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



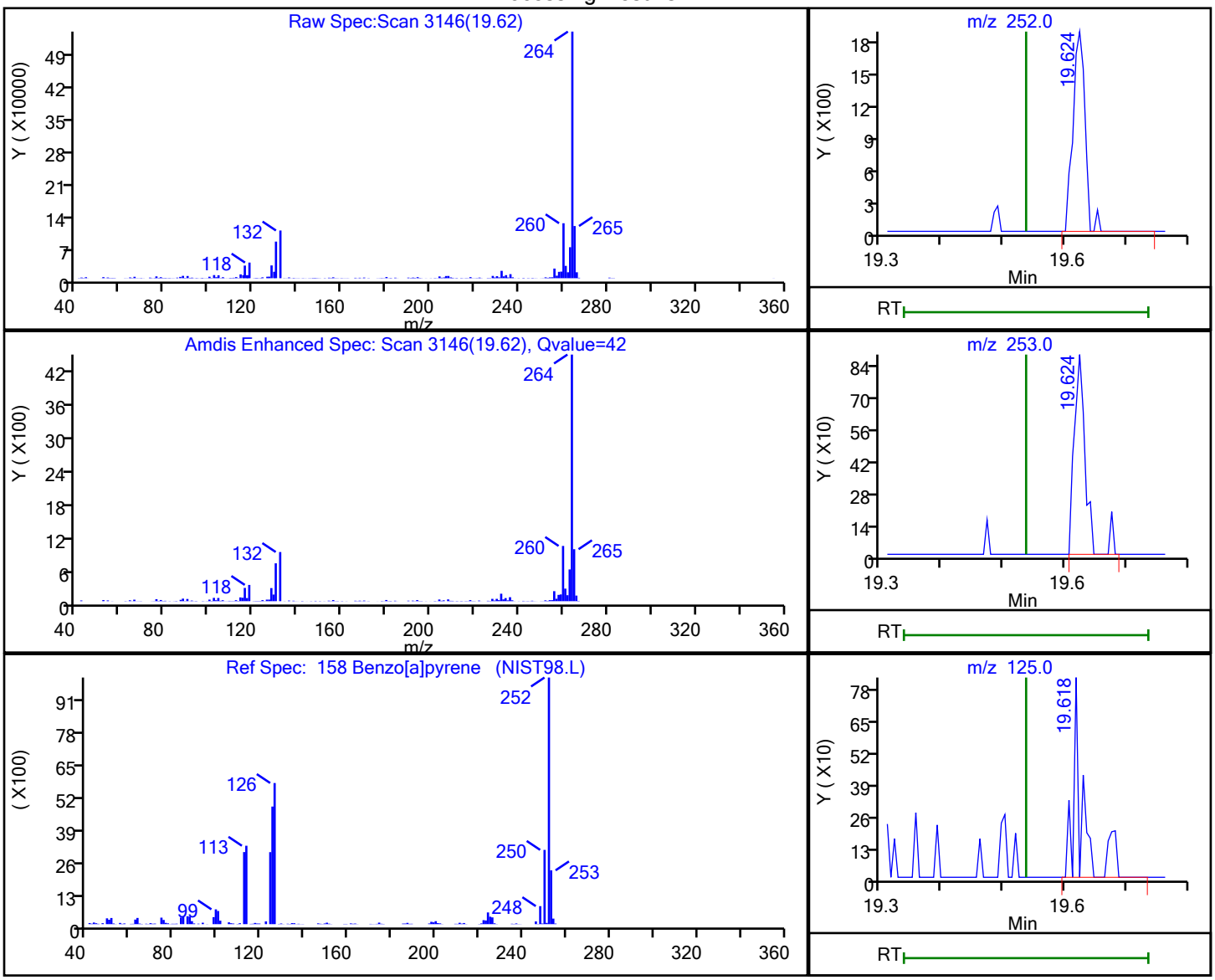
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0265.D				
Injection Date:	07-Jan-2021 06:08:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-12-B	Lab Sample ID:	410-25282-12		
Client ID:	FB-20201229				
Operator ID:	sw30417	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.62	252.00	2498	0.014123
19.62	253.00	1128	
19.62	125.00	853	

Reviewer: monbornee, 07-Jan-2021 08:58:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-11S-20201229 Lab Sample ID: 410-25282-13

Matrix: Ground Water Lab File ID: HA0266.D

Analysis Method: 8270D Date Collected: 12/29/2020 15:02

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 243.2(mL) Date Analyzed: 01/07/2021 06:36

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.93		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	0.27	J	0.51	0.10
56-55-3	Benzo[a]anthracene	0.30	J	0.51	0.10
50-32-8	Benzo[a]pyrene	0.16	J	0.51	0.10
205-99-2	Benzo[b]fluoranthene	0.13	J	0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	0.33	J	0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	1.2		0.51	0.10
86-73-7	Fluorene	0.31	J	0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	0.25	J	0.51	0.10
85-01-8	Phenanthrene	0.74		0.51	0.10
129-00-0	Pyrene	2.2		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	73		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	74		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	61		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0266.D
Lims ID: 410-25282-D-13-A
Client ID: MW-11S-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 06:36:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-13-A
Misc. Info.: 410-0019389-017
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:59:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	240230	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	1265154	18.6	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	920493	5.00	
55 Naphthalene	128	8.584	8.590	-0.006	95	12286	0.0608	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2712445	18.2	
89 Acenaphthylene	152		11.120				ND	7
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	98	452069	5.00	
93 Acenaphthene	153	11.394	11.399	-0.005	94	29466	0.2259	M
105 Fluorene	166	12.122	12.128	-0.006	96	10559	0.0746	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	905391	5.00	
129 Phenanthrene	178	13.276	13.282	-0.006	98	37684	0.1789	
130 Anthracene	178	13.341	13.346	-0.005	97	13706	0.0647	
138 Fluoranthene	202	14.874	14.879	-0.005	97	70819	0.2910	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	100	909370	5.00	
141 Pyrene	202	15.206	15.211	-0.005	98	131874	0.5244	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2787587	15.3	
148 Benzo[a]anthracene	228	17.176	17.187	-0.011	98	15618	0.0729	
151 Chrysene	228	17.240	17.246	-0.006	97	17230	0.0796	
155 Benzo[b]fluoranthene	252	19.012	19.017	-0.005	94	7628	0.0319	
157 Benzo[k]fluoranthene	252	19.058	19.064	-0.006	87	3326	0.0145	M
158 Benzo[a]pyrene	252	19.525	19.536	-0.011	77	8397	0.0383	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	963294	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	7
164 Dibenz(a,h)anthracene	278		21.261				ND	7
165 Benzo[g,h,i]perylene	276	21.559	21.582	-0.023	86	3197	0.0142	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

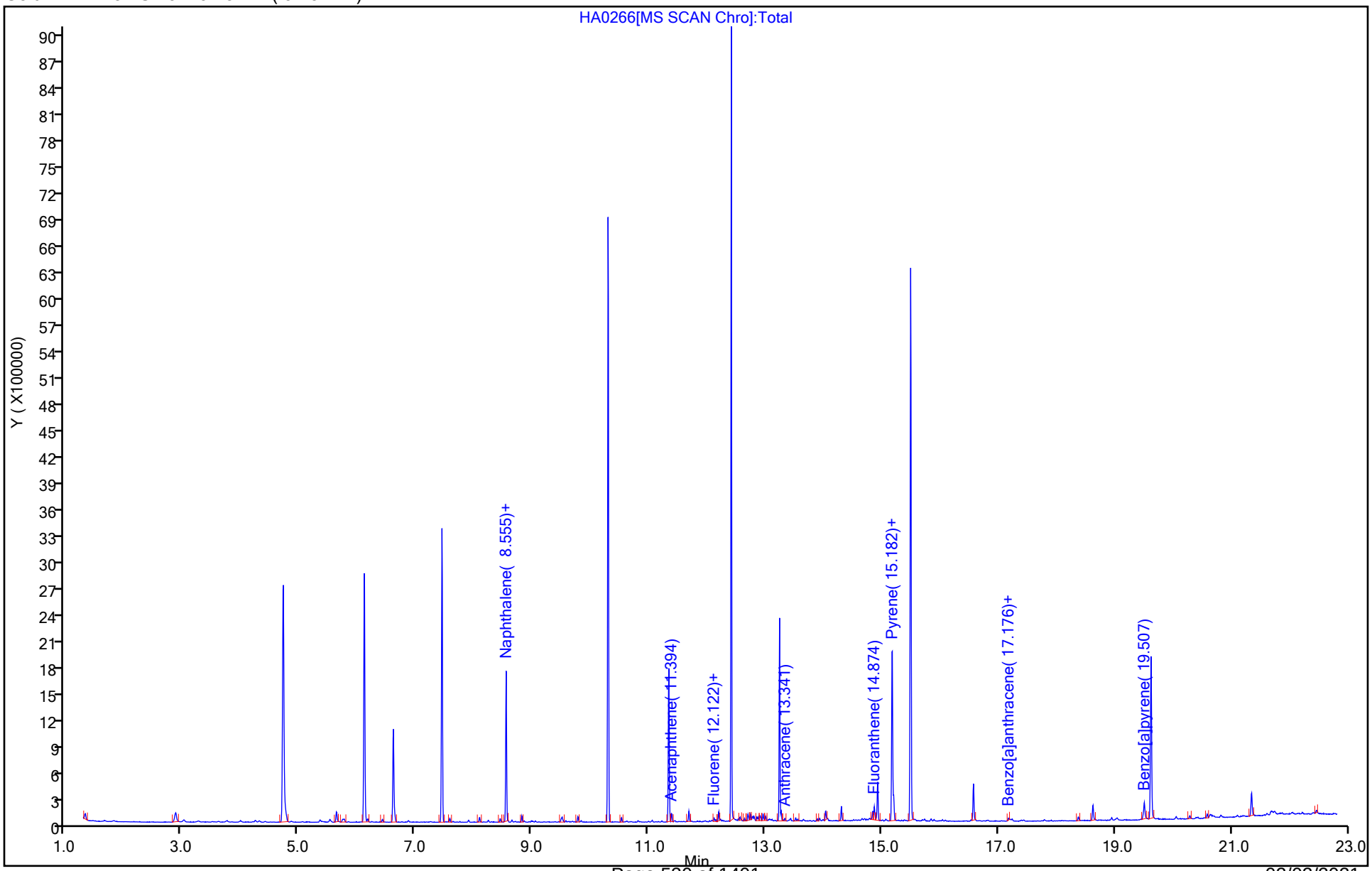
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0266.D

Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13	Worklist Smp#:	17
Client ID:	MW-11S-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



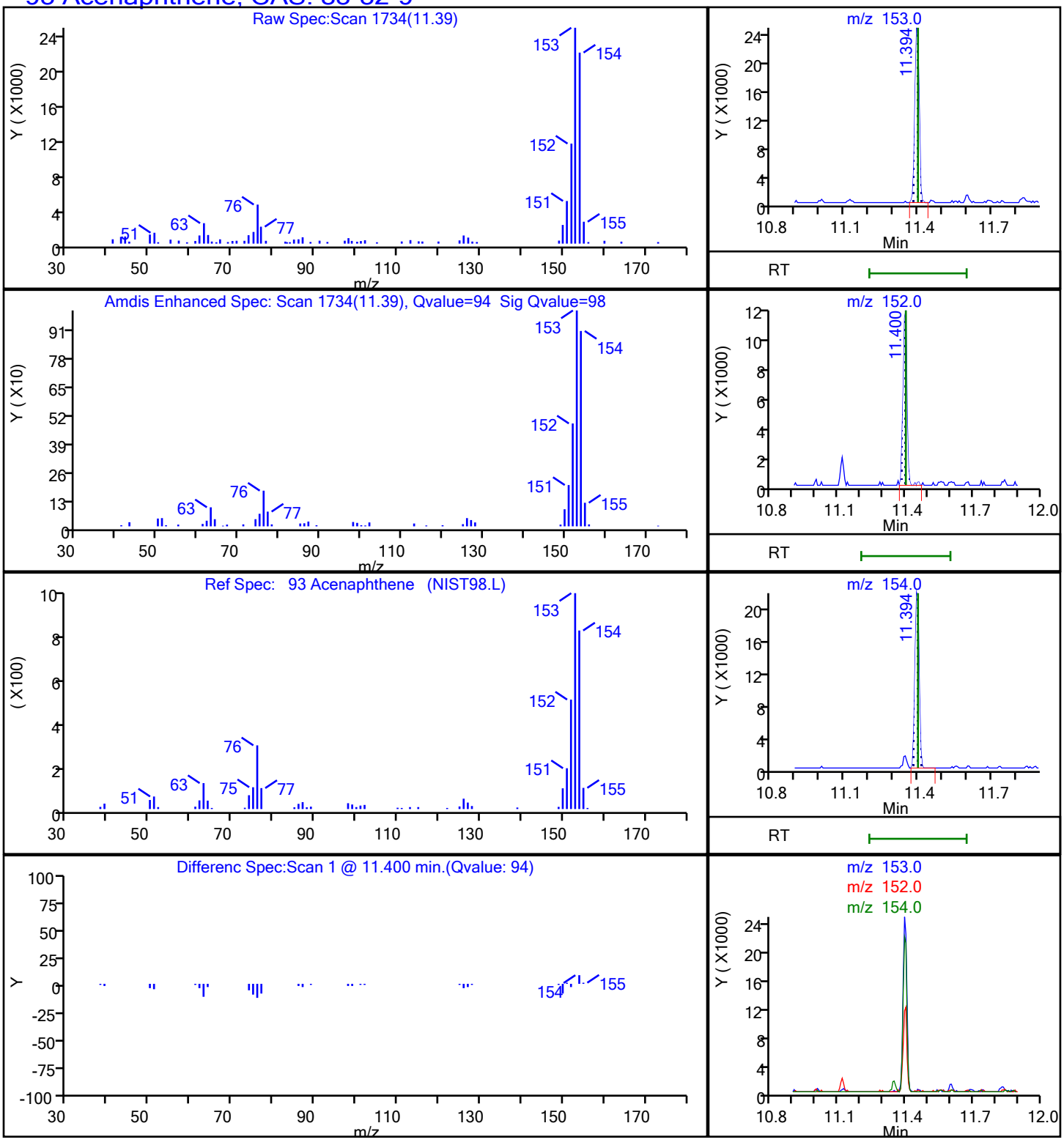
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0266.D

Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13
Client ID:	MW-11S-20201229		
Operator ID:	sw30417	ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

93 Acenaphthene, CAS: 83-32-9



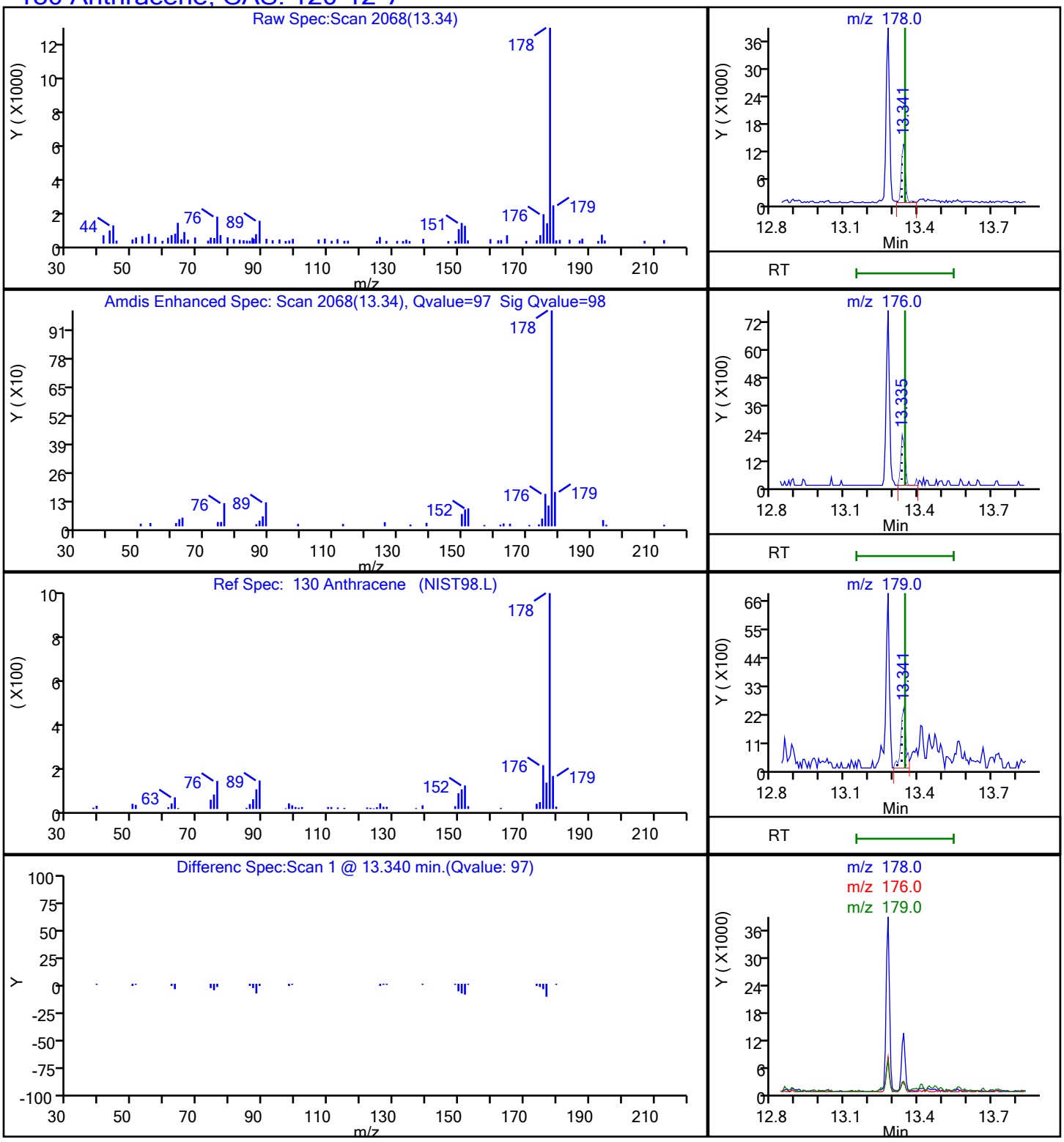
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0266.D

Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

130 Anthracene, CAS: 120-12-7



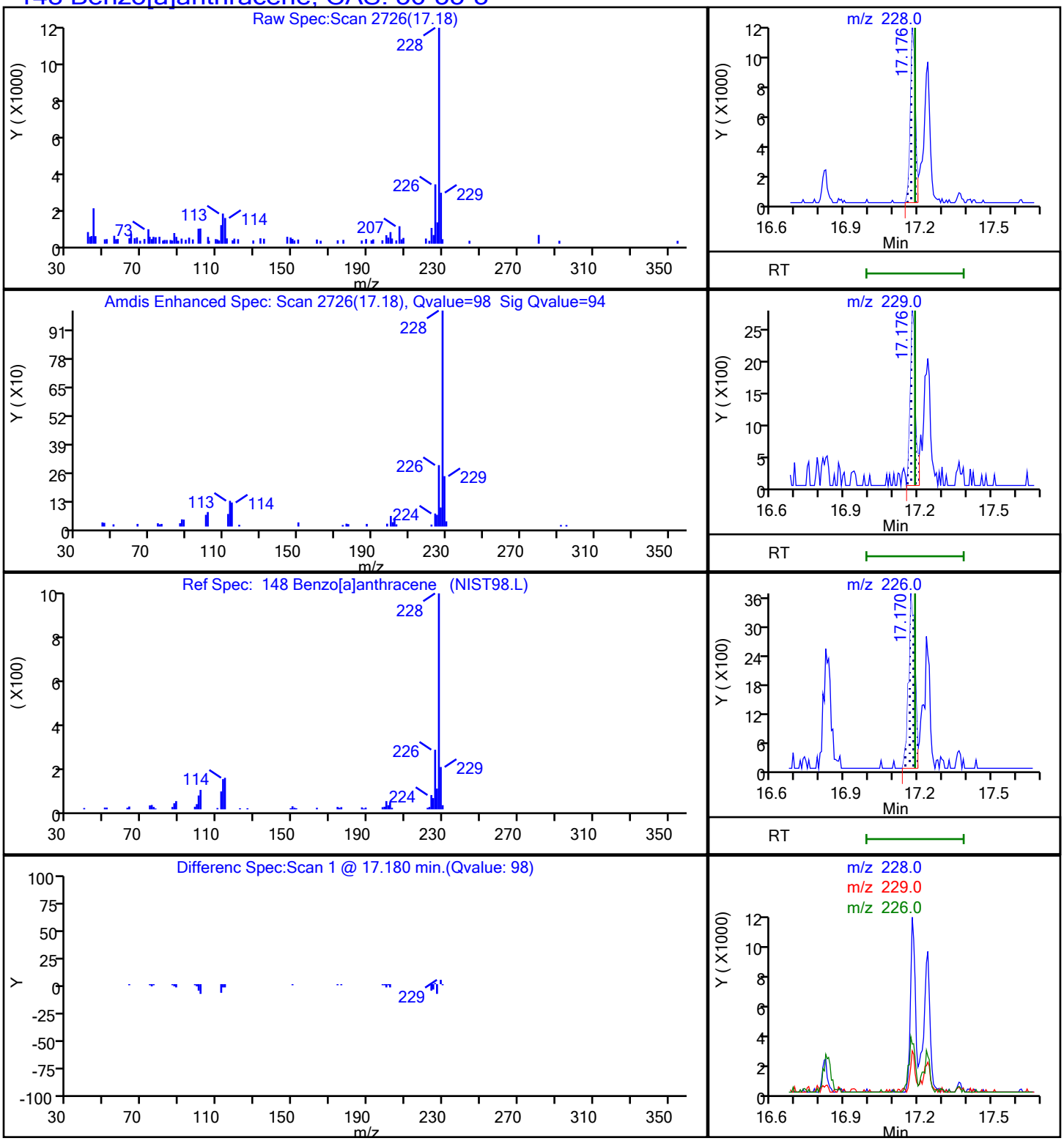
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

148 Benzo[a]anthracene, CAS: 56-55-3

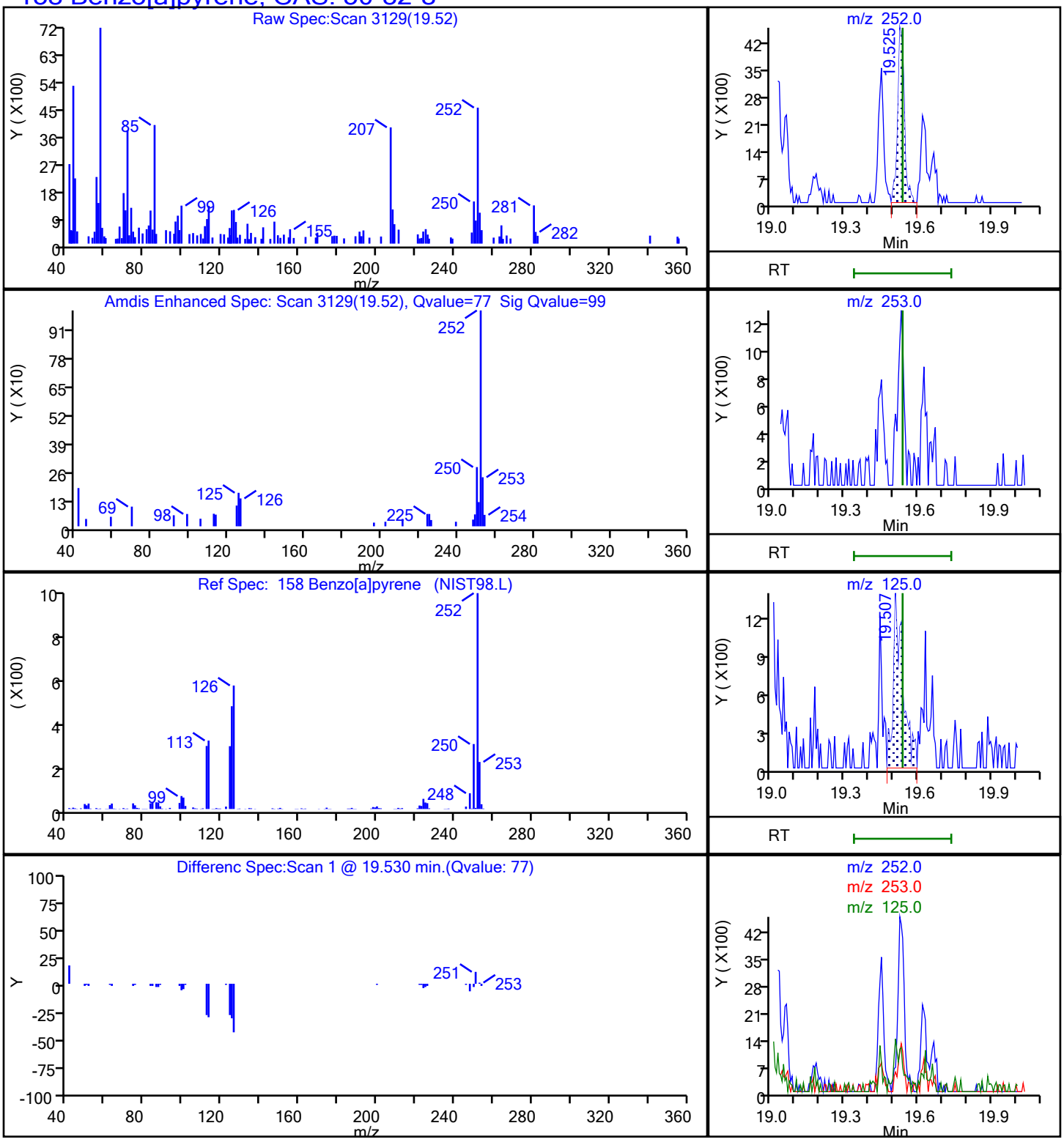


Report Date: 07-Jan-2021 09:01:29 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

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Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8



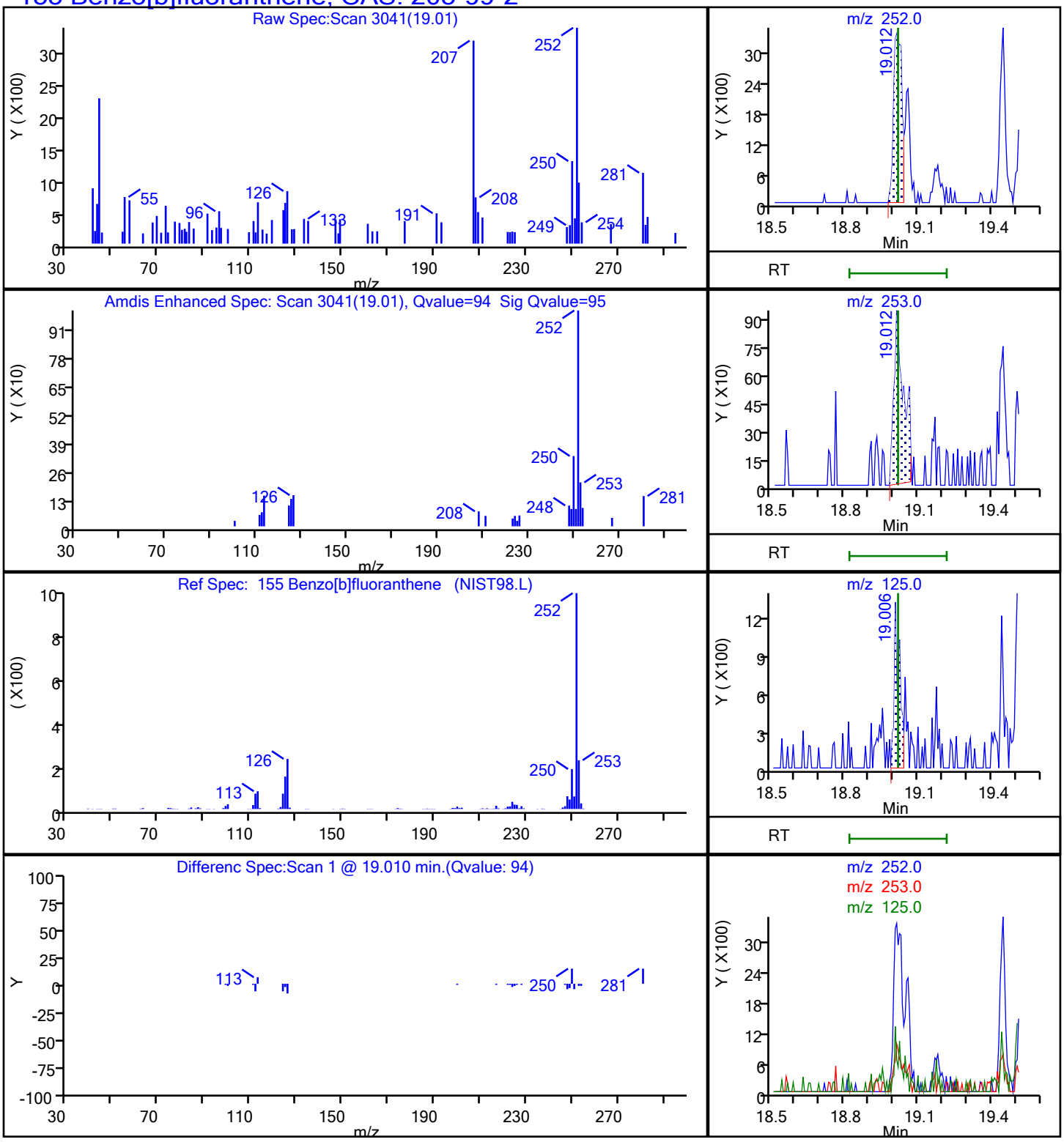
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

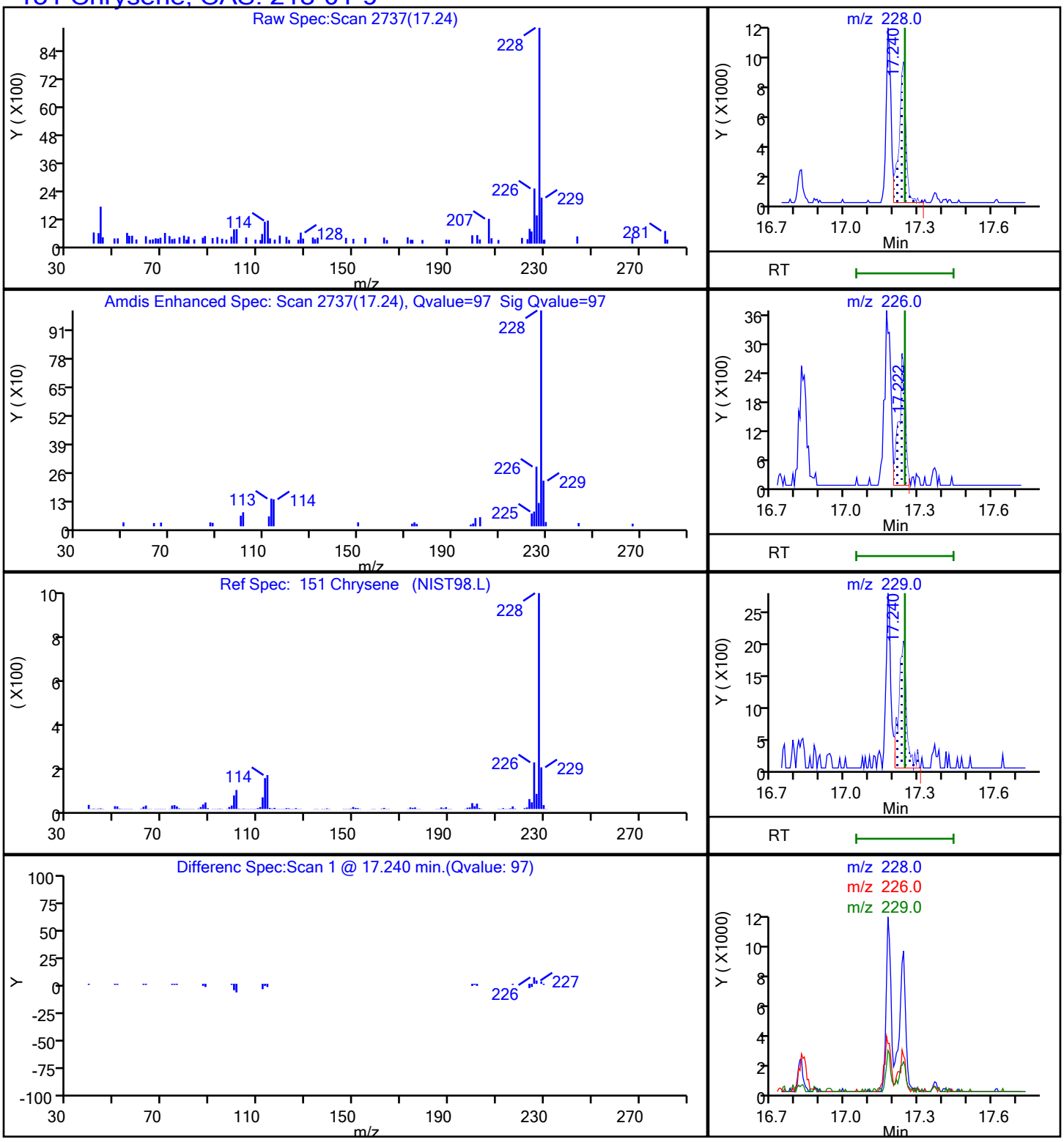
155 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0266.D		
Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13
Client ID:	MW-11S-20201229		
Operator ID:	sw30417	ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

151 Chrysene, CAS: 218-01-9



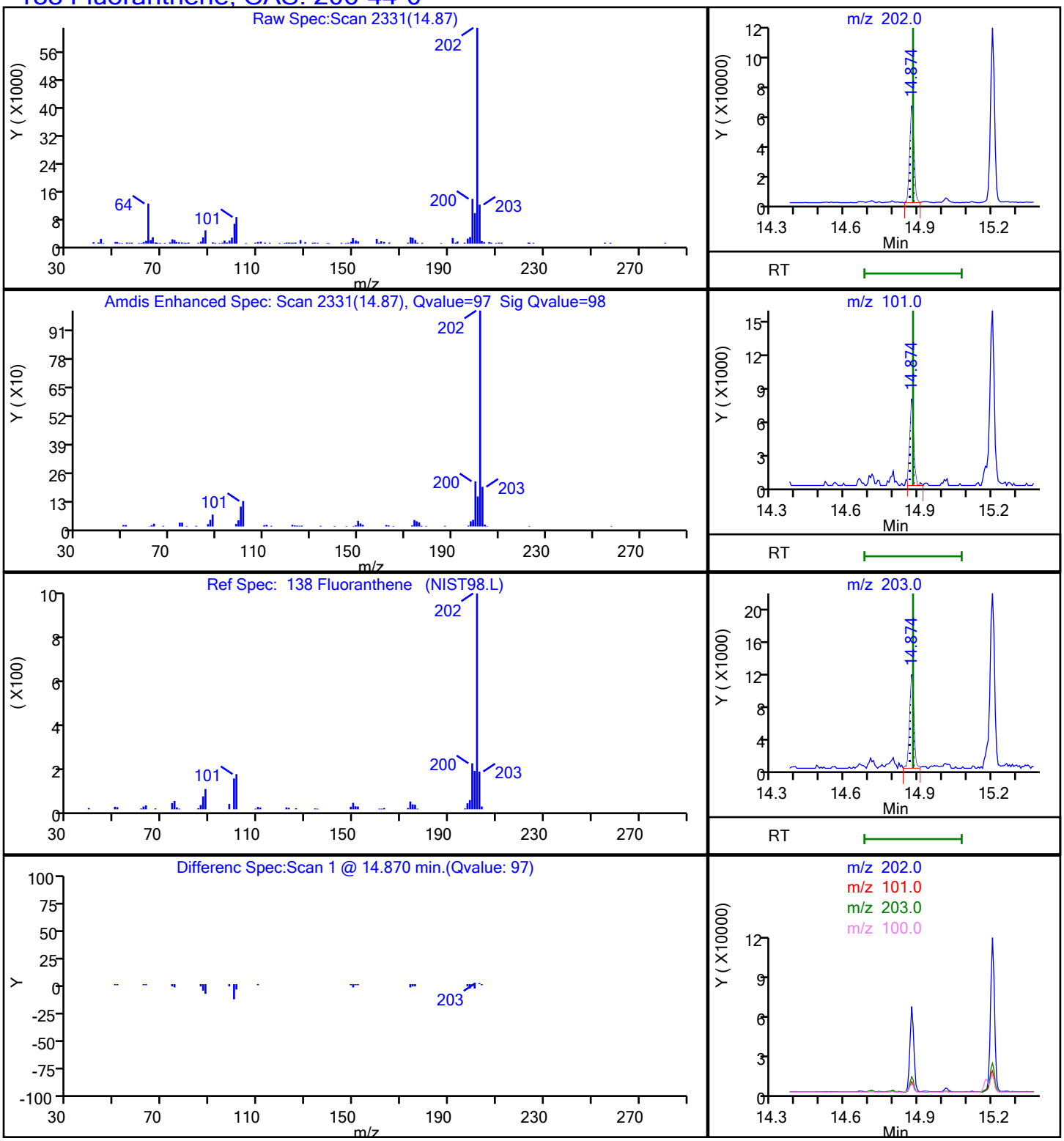
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0266.D

Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

138 Fluoranthene, CAS: 206-44-0



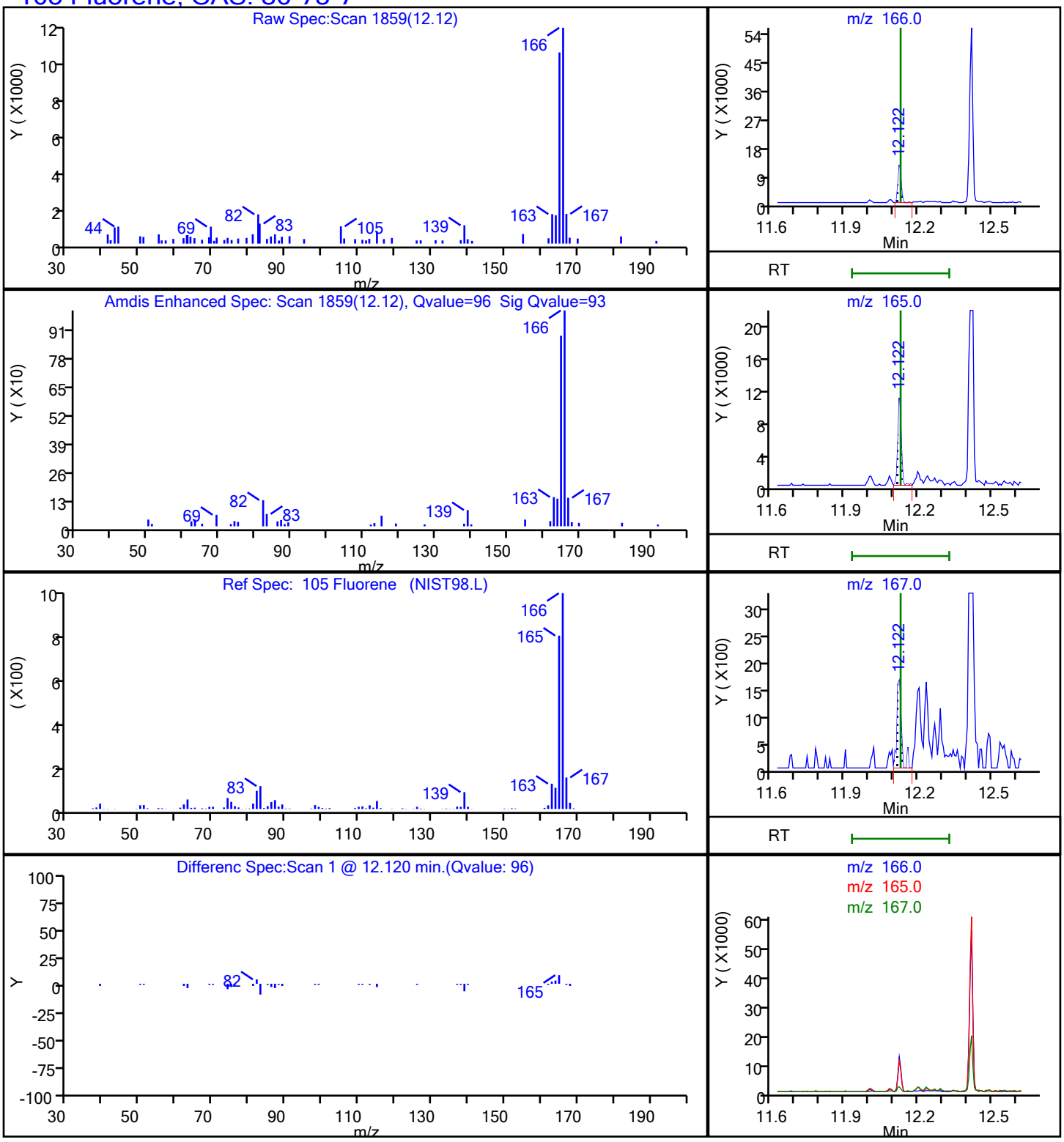
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

105 Fluorene, CAS: 86-73-7



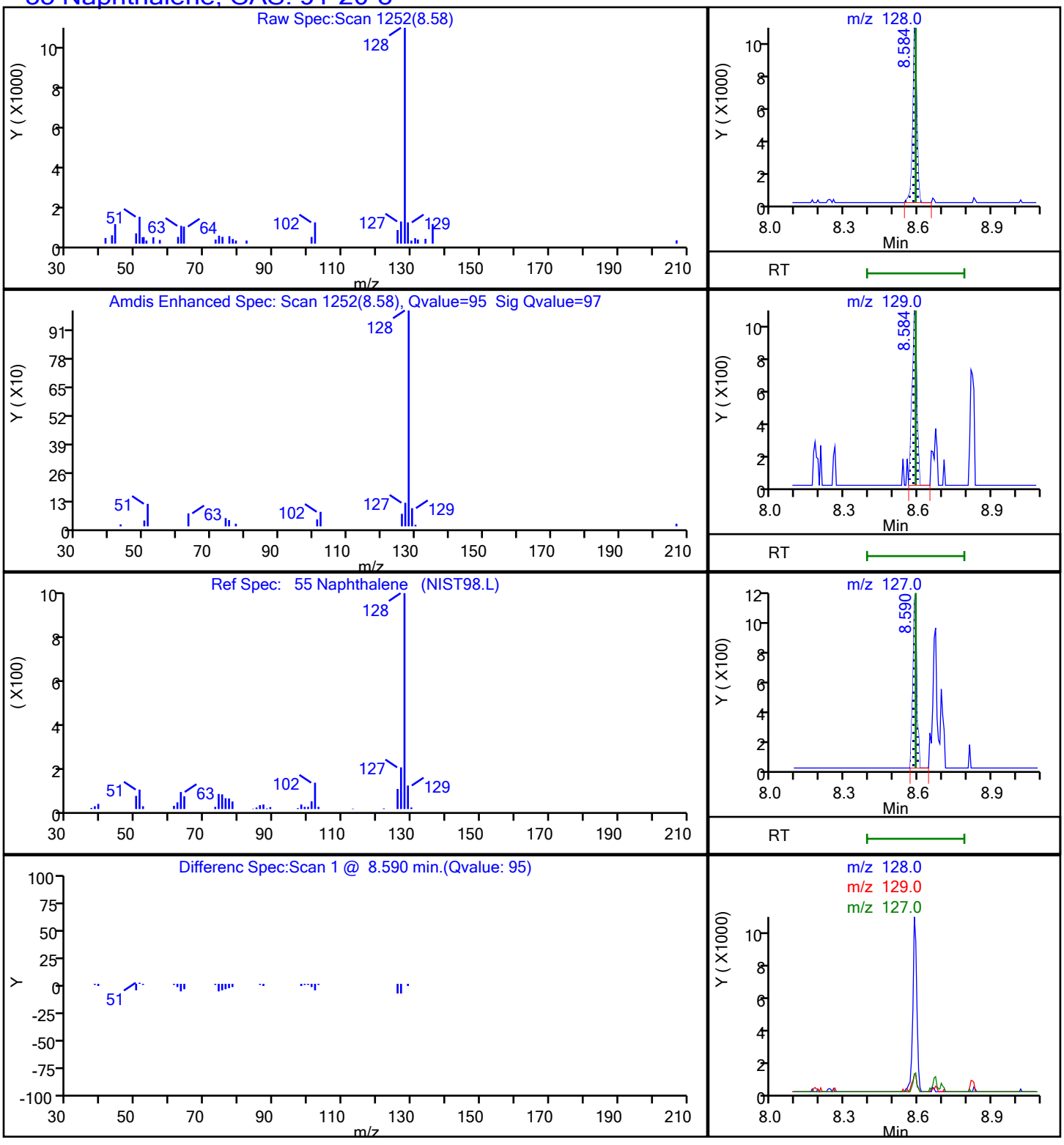
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

55 Naphthalene, CAS: 91-20-3



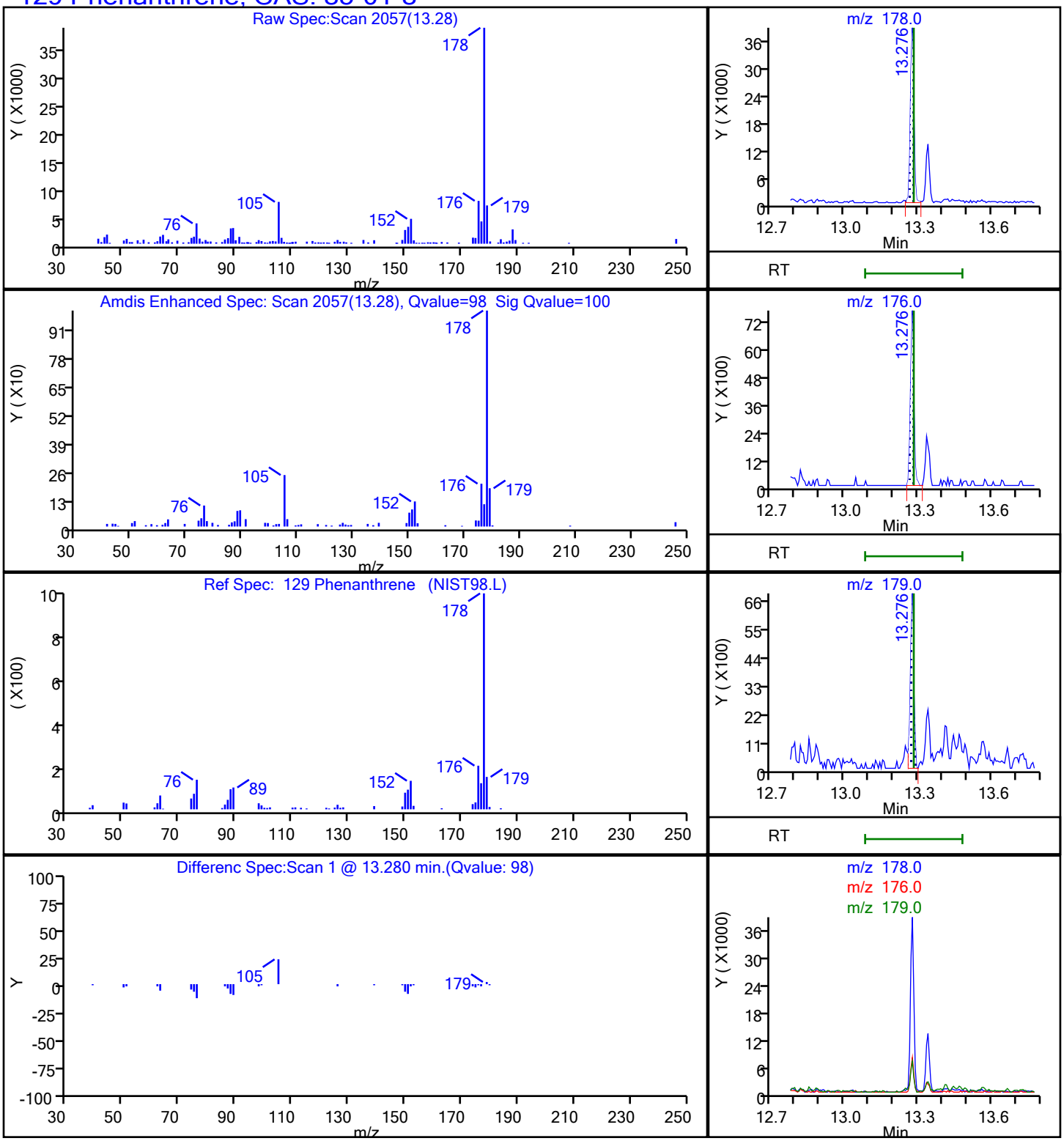
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Phenanthrene, CAS: 85-01-8



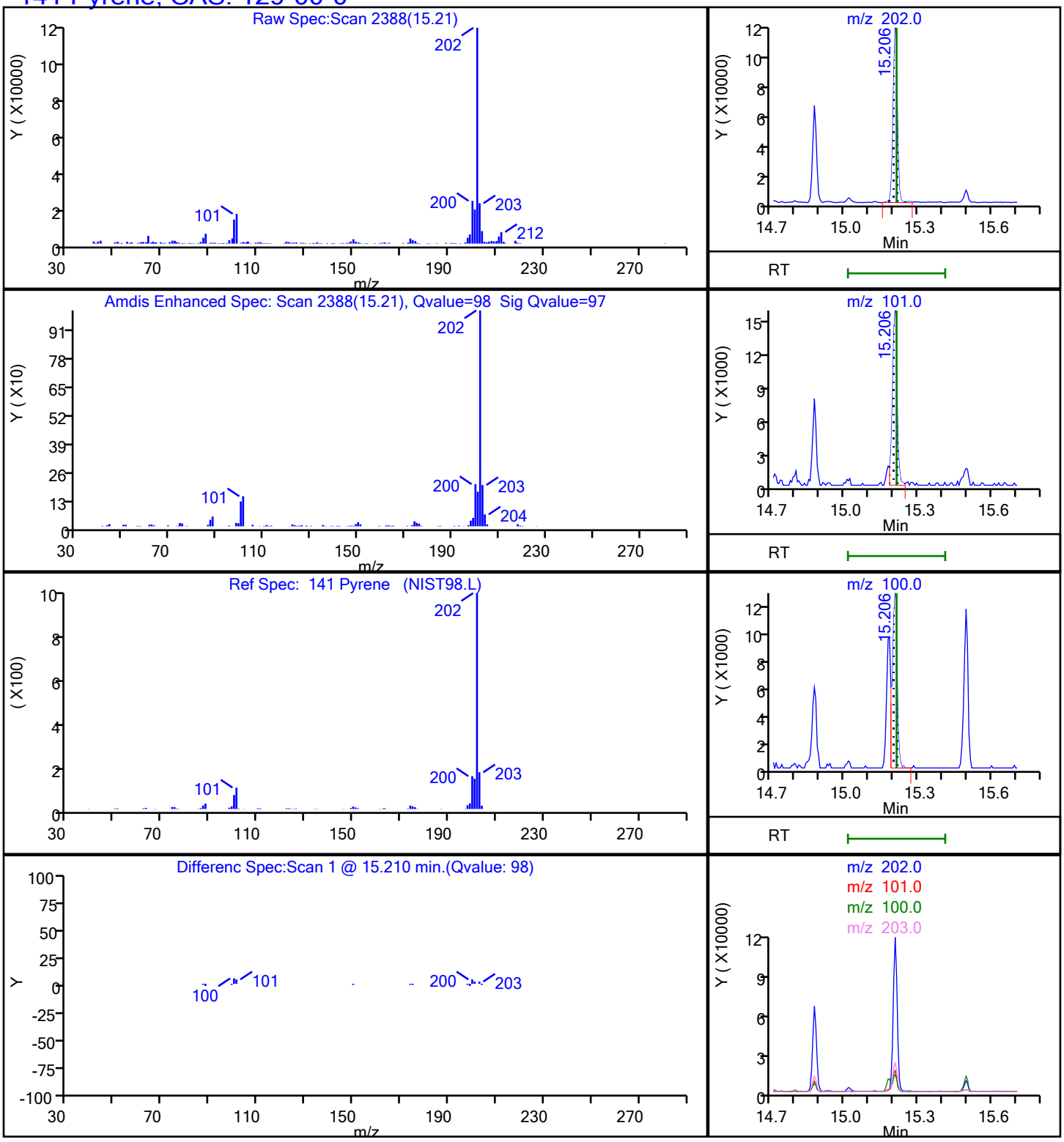
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0266.D

Injection Date:	07-Jan-2021 06:36:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

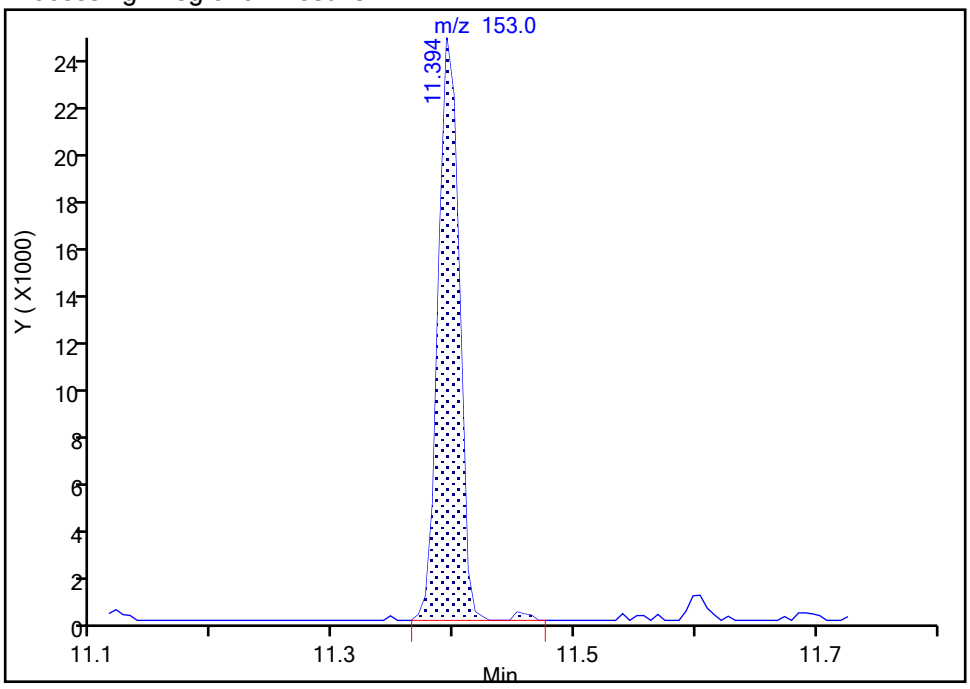
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Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

93 Acenaphthene, CAS: 83-32-9

Signal: 1

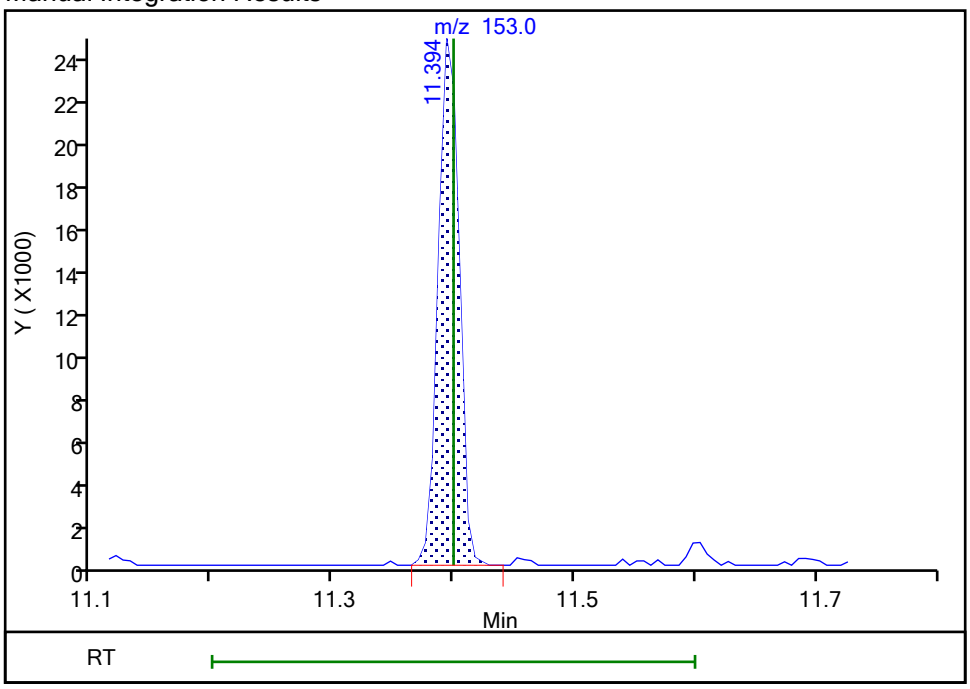
Processing Integration Results

RT: 11.39
Area: 29756
Amount: 0.228137
Amount Units: ug/ml



Manual Integration Results

RT: 11.39
Area: 29466
Amount: 0.225914
Amount Units: ug/ml



Reviewer: monbornee, 07-Jan-2021 08:58:54

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

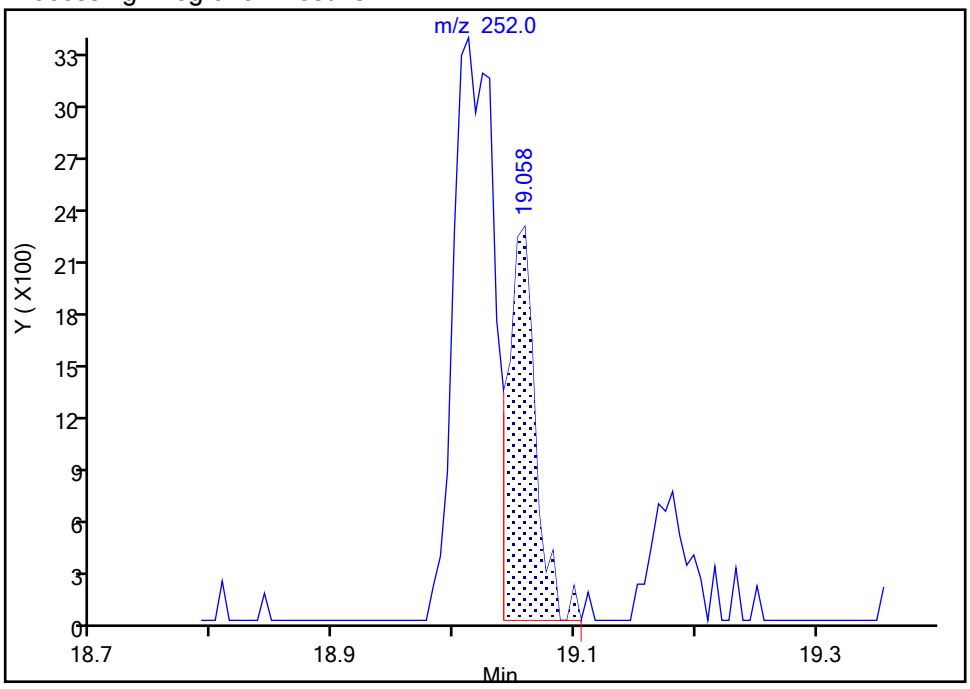
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Lims ID:	410-25282-D-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	sw30417	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

157 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

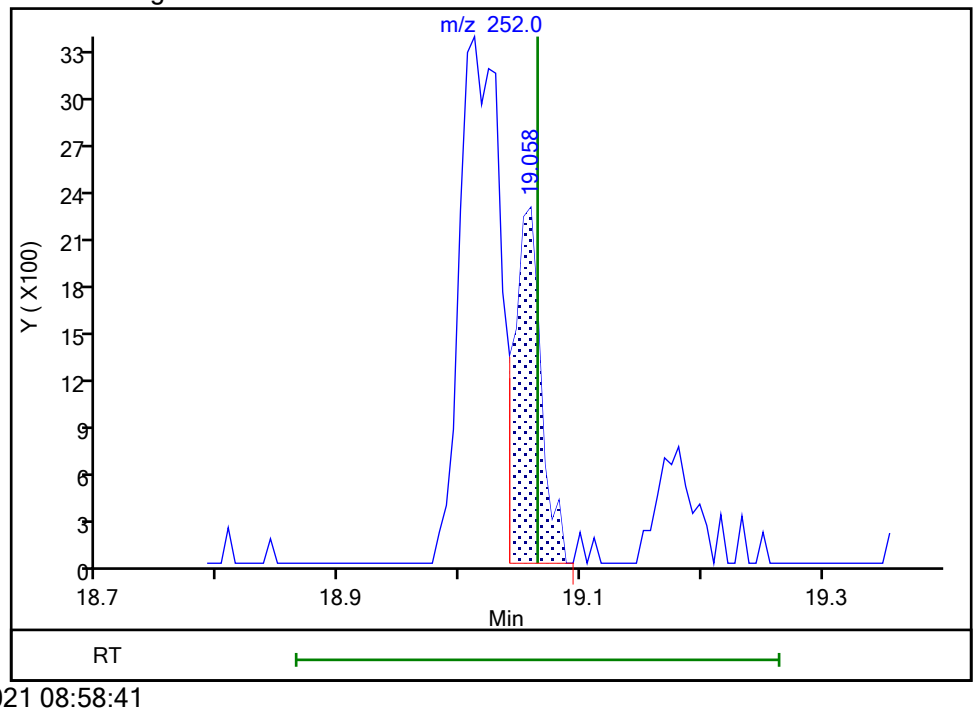
Processing Integration Results

RT: 19.06
Area: 3395
Amount: 0.014766
Amount Units: ug/ml



Manual Integration Results

RT: 19.06
Area: 3326
Amount: 0.014465
Amount Units: ug/ml



Reviewer: monbornee, 07-Jan-2021 08:58:41

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-11S-20201229 RE Lab Sample ID: 410-25282-13 RE

Matrix: Ground Water Lab File ID: JA0087.D

Analysis Method: 8270D Date Collected: 12/29/2020 15:02

Extract. Method: 3510C Date Extracted: 01/11/2021 10:30

Sample wt/vol: 245.8(mL) Date Analyzed: 01/12/2021 22:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 84066 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	*Acenaphthene*	*1.0*	*H*	*0.51*	*0.10*
208-96-8	*Acenaphthylene*	*ND*	*H*	*0.51*	*0.10*
120-12-7	*Anthracene*	*0.25*	*J H*	*0.51*	*0.10*
56-55-3	*Benzo[a]anthracene*	*0.27*	*J H*	*0.51*	*0.10*
50-32-8	*Benzo[a]pyrene*	*ND*	*H*	*0.51*	*0.10*
205-99-2	*Benzo[b]fluoranthene*	*ND*	*H*	*0.51*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*ND*	*H*	*0.51*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*ND*	*H*	*0.51*	*0.10*
218-01-9	*Chrysene*	*0.21*	*J H*	*0.51*	*0.10*
53-70-3	*Dibenz(a,h)anthracene*	*ND*	*H*	*0.51*	*0.10*
206-44-0	*Fluoranthene*	*1.2*	*H*	*0.51*	*0.10*
86-73-7	*Fluorene*	*0.32*	*J H*	*0.51*	*0.10*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*ND*	*H*	*0.51*	*0.10*
91-20-3	*Naphthalene*	*ND*	*H*	*0.51*	*0.10*
85-01-8	*Phenanthrene*	*0.53*	*H*	*0.51*	*0.10*
129-00-0	*Pyrene*	*2.1*	*H*	*0.51*	*0.10*

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	77		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	80		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	60		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D
Lims ID: 410-25282-E-13-A
Client ID: MW-11S-20201229
Sample Type: Client
Inject. Date: 12-Jan-2021 22:24:30 ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-E-13-A
Misc. Info.: 410-0019719-021
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Jan-2021 22:56:30 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: williamss Date: 12-Jan-2021 22:54:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	98	123445	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.482	0.001	91	941394	20.1	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	482724	5.00	
57 Naphthalene	128		8.616				ND	U
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1103577	19.2	
91 Acenaphthylene	152		11.146				ND	7
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	97	177875	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	98	12921	0.2550	
107 Fluorene	166	12.155	12.155	0.000	90	4075	0.0786	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	97	289995	5.00	
130 Phenanthrene	178	13.312	13.312	0.000	96	9153	0.1302	
131 Anthracene	178	13.369	13.381	-0.011	97	4221	0.0606	
139 Fluoranthene	202	14.923	14.923	0.000	98	19308	0.2891	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	228648	5.00	
142 Pyrene	202	15.252	15.252	0.000	94	33770	0.5213	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	649112	15.1	
149 Benzo[a]anthracene	228	17.237	17.249	-0.012	91	3442	0.0673	
152 Chrysene	228	17.306	17.306	0.001	91	2768	0.0525	
156 Benzo[b]fluoranthene	252		19.087				ND	U
158 Benzo[k]fluoranthene	252		19.132				ND	
159 Benzo[a]pyrene	252		19.608				ND	U
* 160 Perylene-d12	264	19.699	19.699	0.000	95	233029	5.00	
164 Indeno[1,2,3-cd]pyrene	276		21.299				ND	
165 Dibenz(a,h)anthracene	278		21.344				ND	
166 Benzo[g,h,i]perylene	276		21.662				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

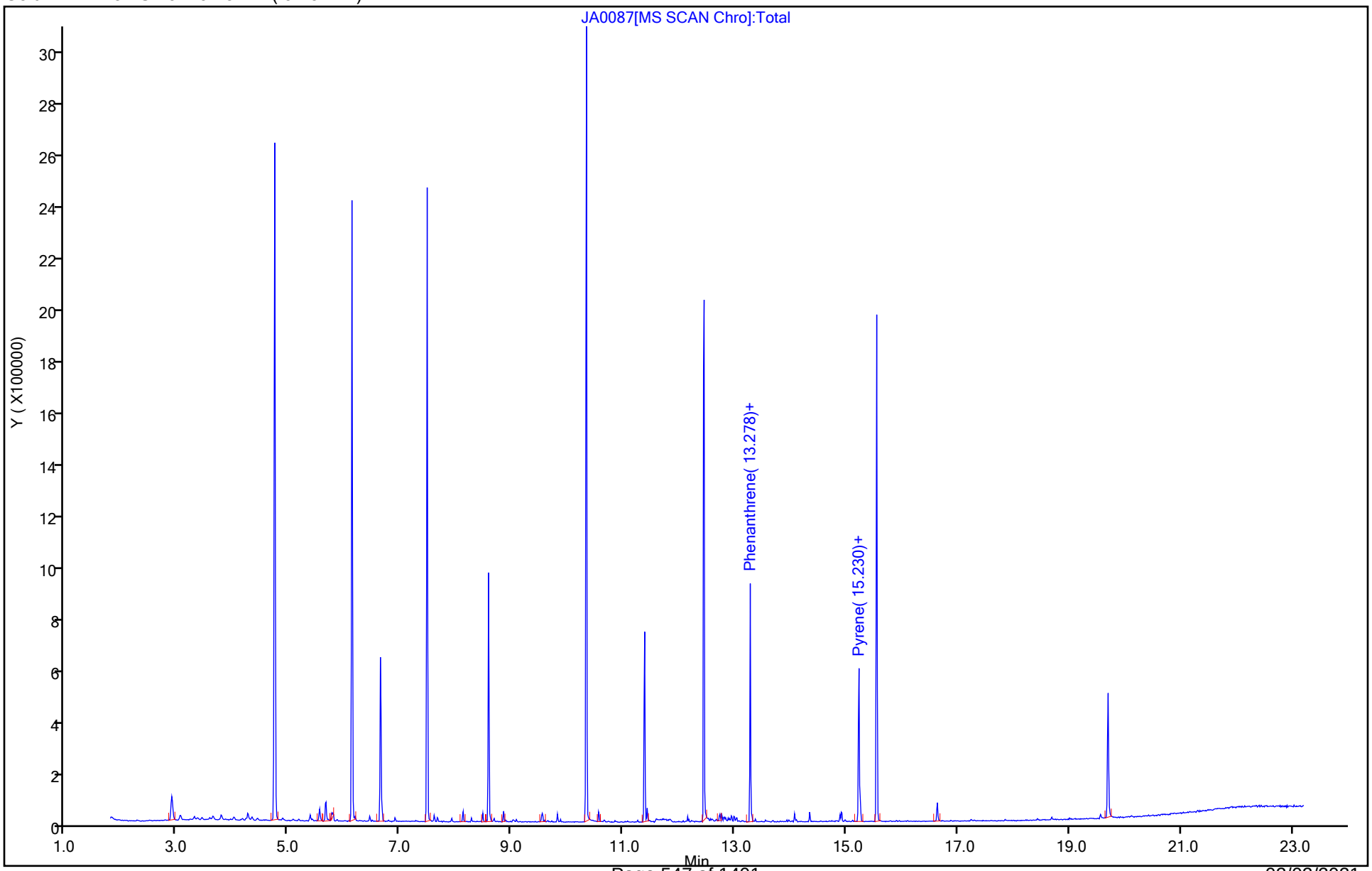
Report Date: 12-Jan-2021 22:57:04 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D

Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13	Worklist Smp#:	21
Client ID:	MW-11S-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

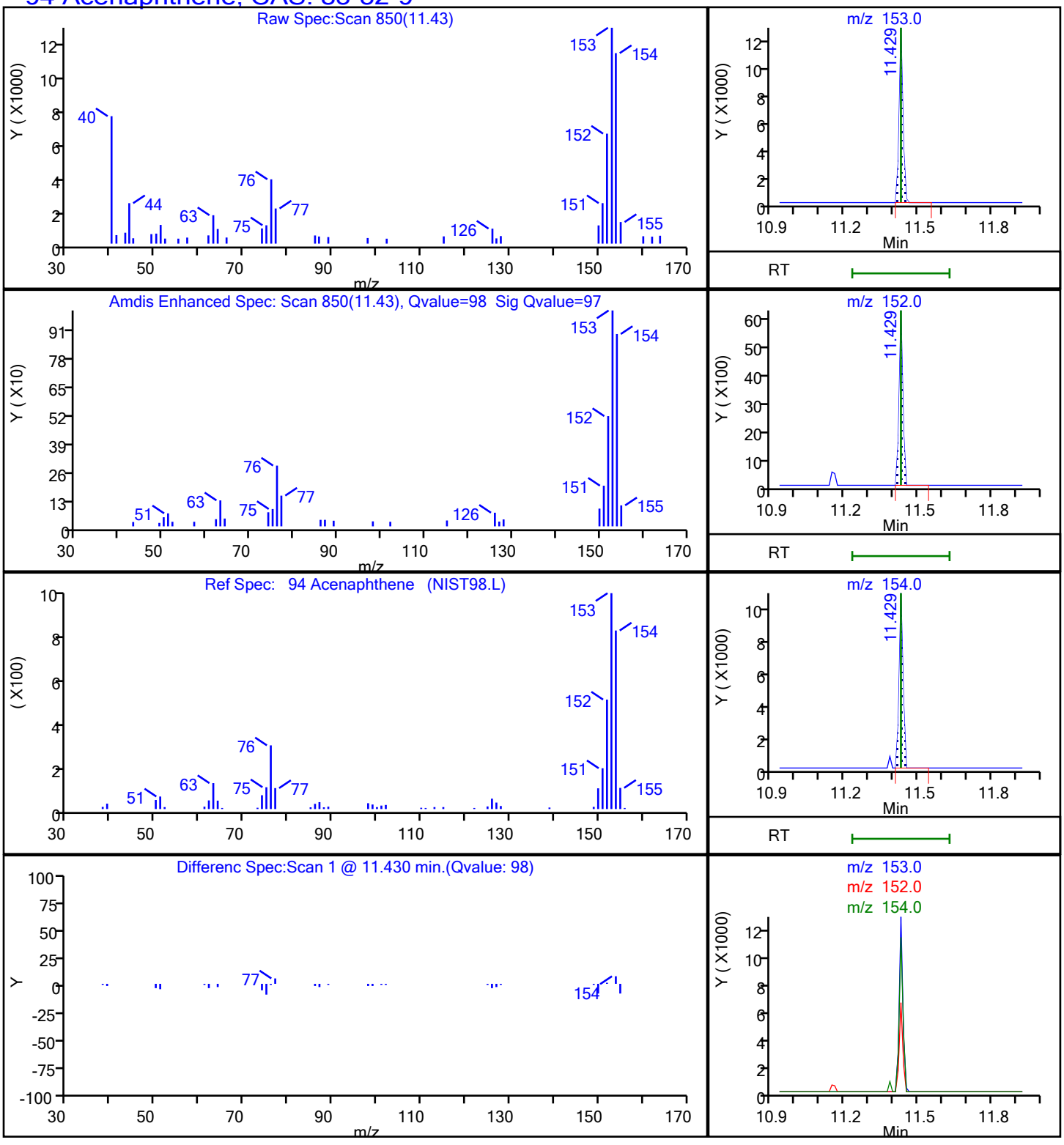
Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D				
Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

94 Acenaphthene, CAS: 83-32-9

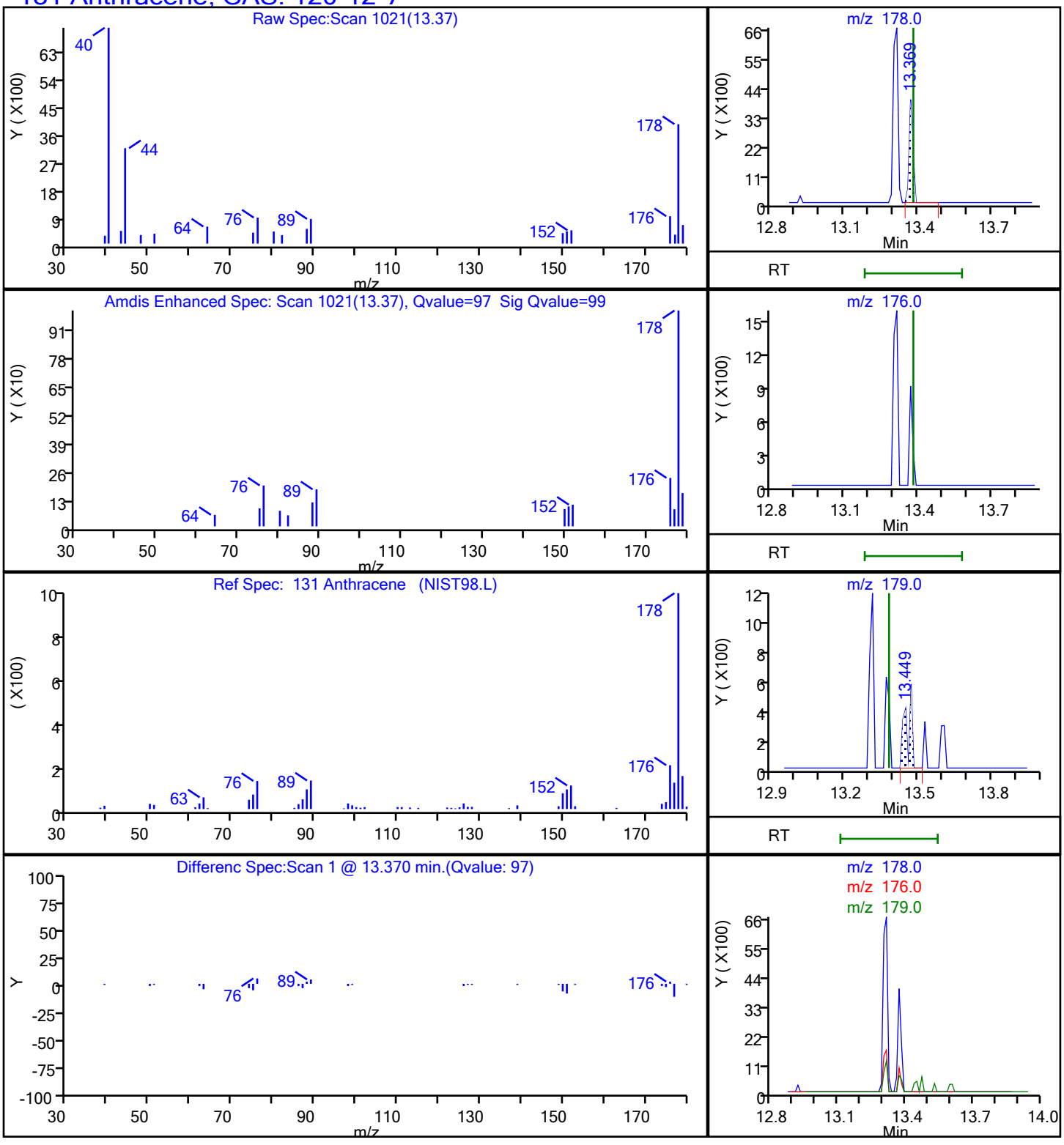


Report Date: 12-Jan-2021 22:57:04 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D				
Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

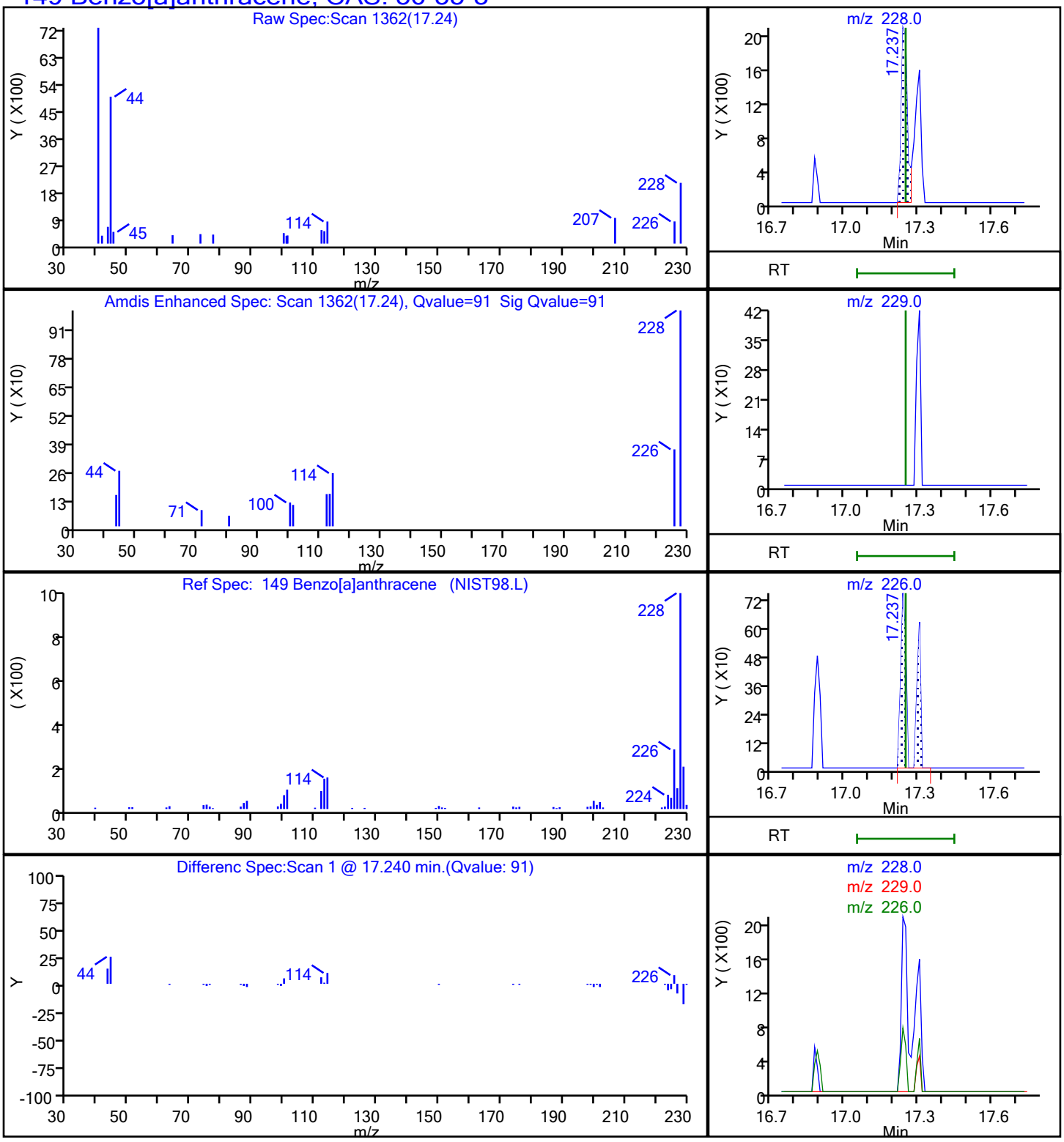
131 Anthracene, CAS: 120-12-7



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D				
Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

149 Benzo[a]anthracene, CAS: 56-55-3



Report Date: 12-Jan-2021 22:57:04 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D

Injection Date: 12-Jan-2021 22:24:30 Instrument ID: HP23264

Lims ID: 410-25282-E-13-A Lab Sample ID: 410-25282-13

Client ID: MW-11S-20201229

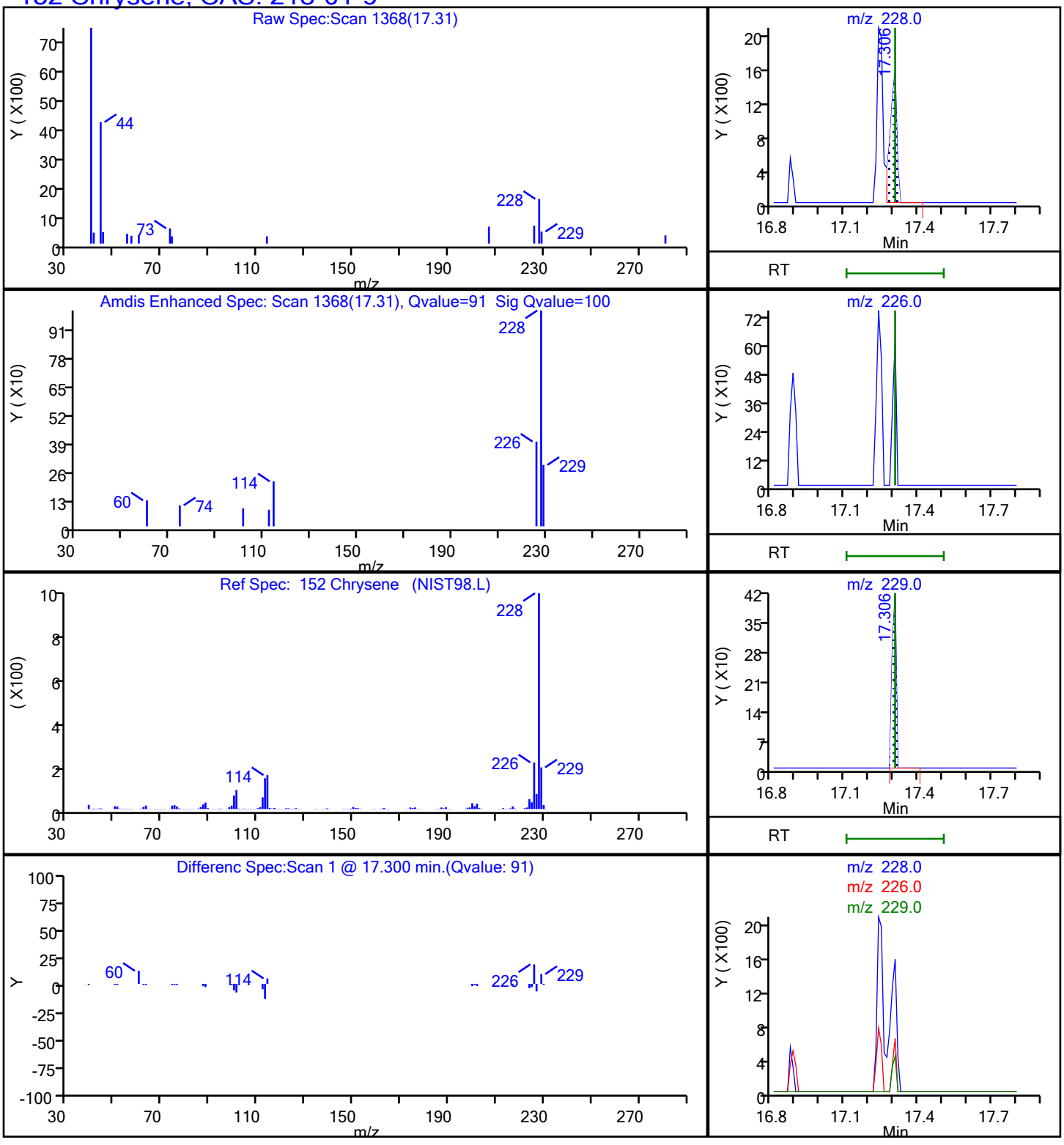
Operator ID: knb25316 ALS Bottle#: 18 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

152 Chrysene, CAS: 218-01-9



Report Date: 12-Jan-2021 22:57:04 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D

Injection Date: 12-Jan-2021 22:24:30 Instrument ID: HP23264

Lims ID: 410-25282-E-13-A Lab Sample ID: 410-25282-13

Client ID: MW-11S-20201229

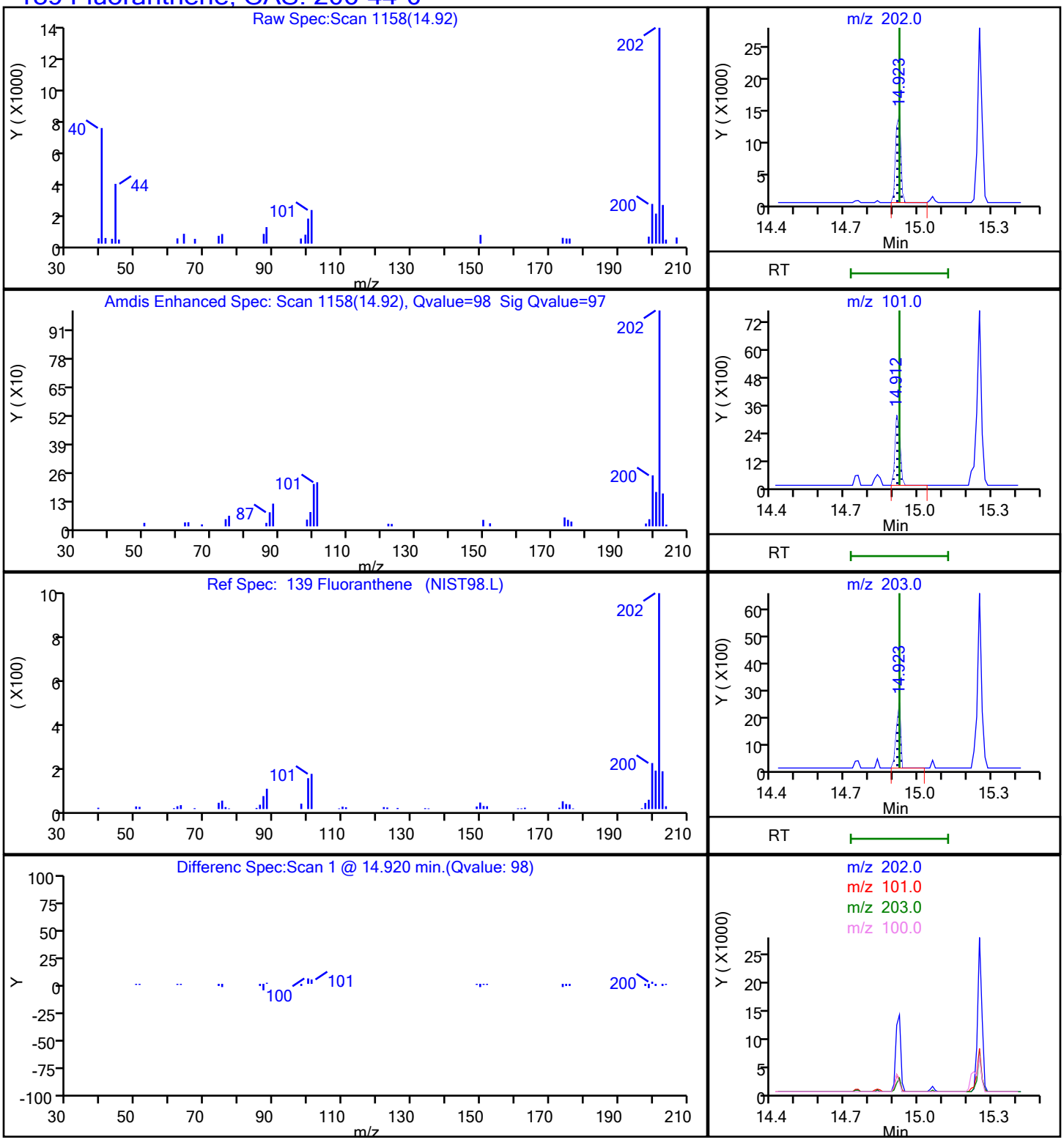
Operator ID: knb25316 ALS Bottle#: 18 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

139 Fluoranthene, CAS: 206-44-0



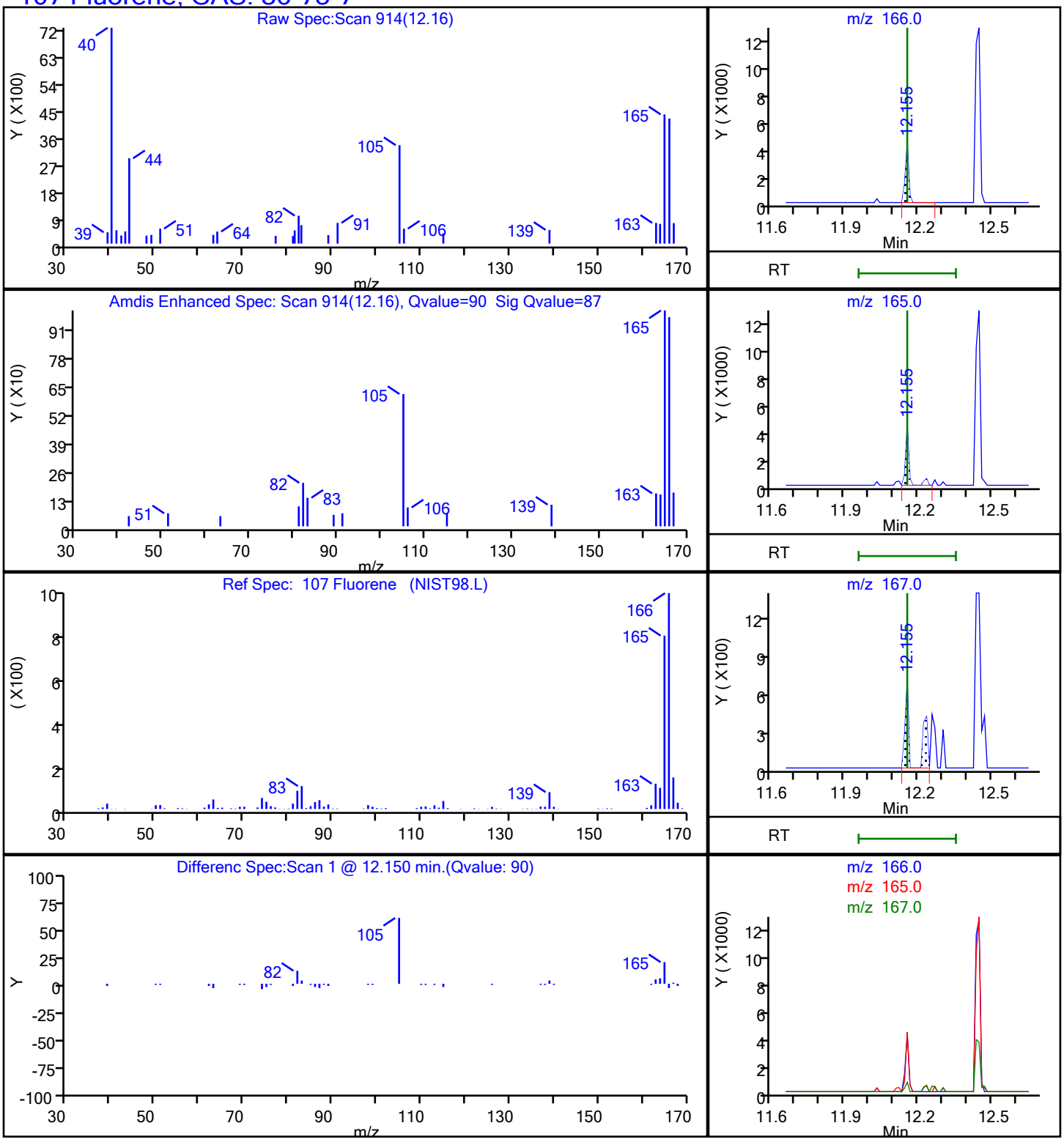
Report Date: 12-Jan-2021 22:57:04 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D

Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

107 Fluorene, CAS: 86-73-7



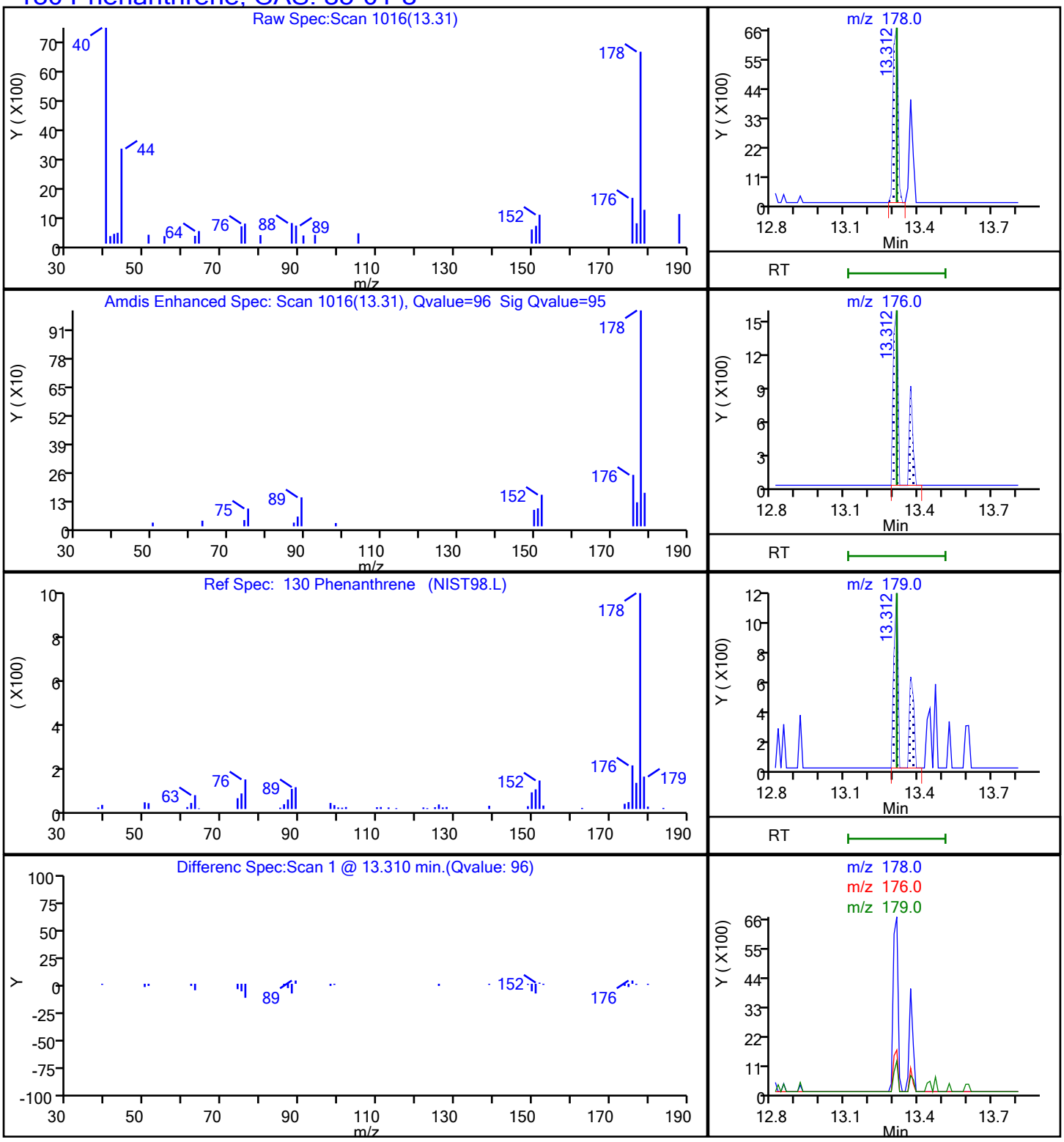
Report Date: 12-Jan-2021 22:57:04 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D

Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

130 Phenanthrene, CAS: 85-01-8



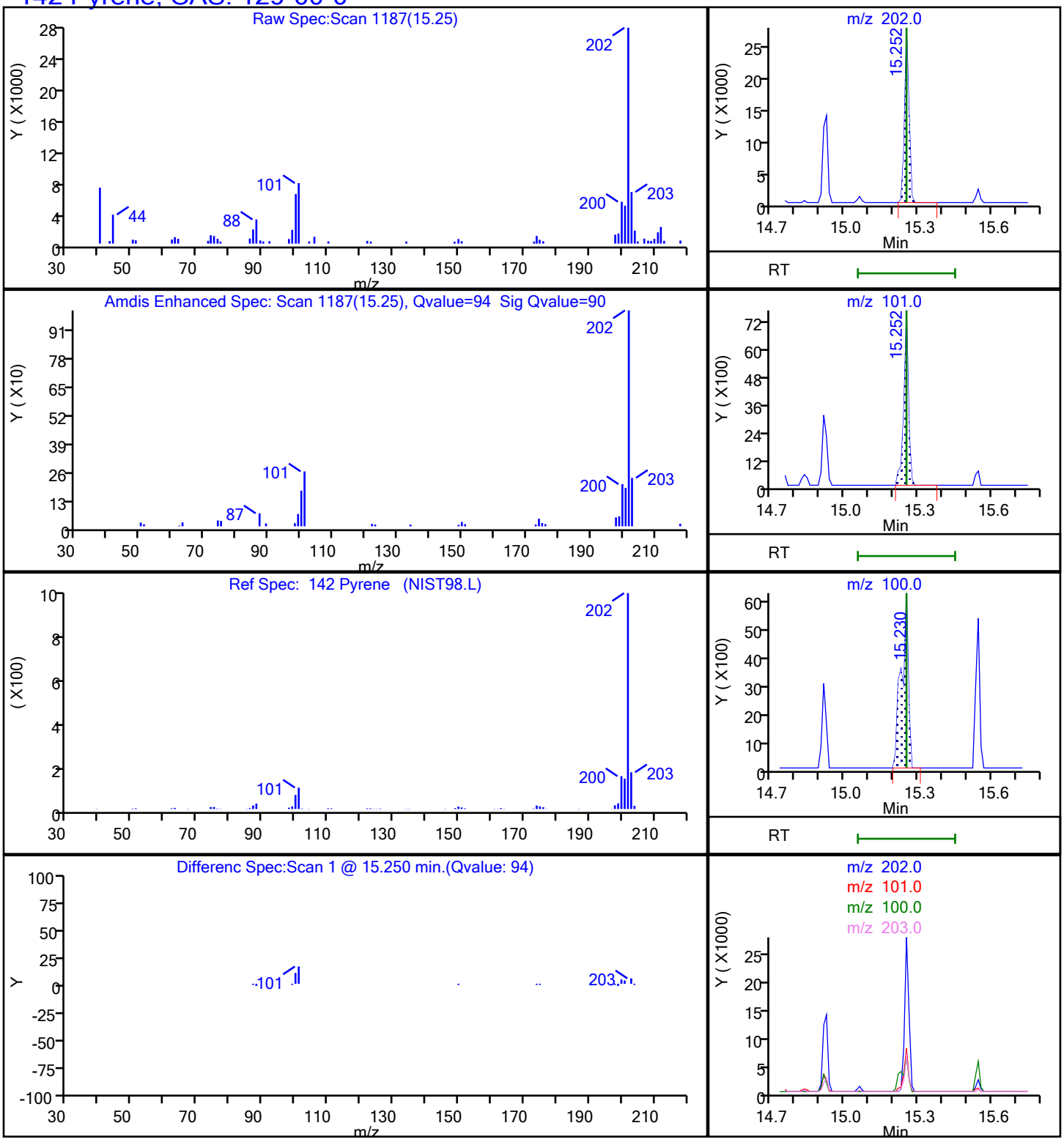
Report Date: 12-Jan-2021 22:57:04 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D

Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

142 Pyrene, CAS: 129-00-0



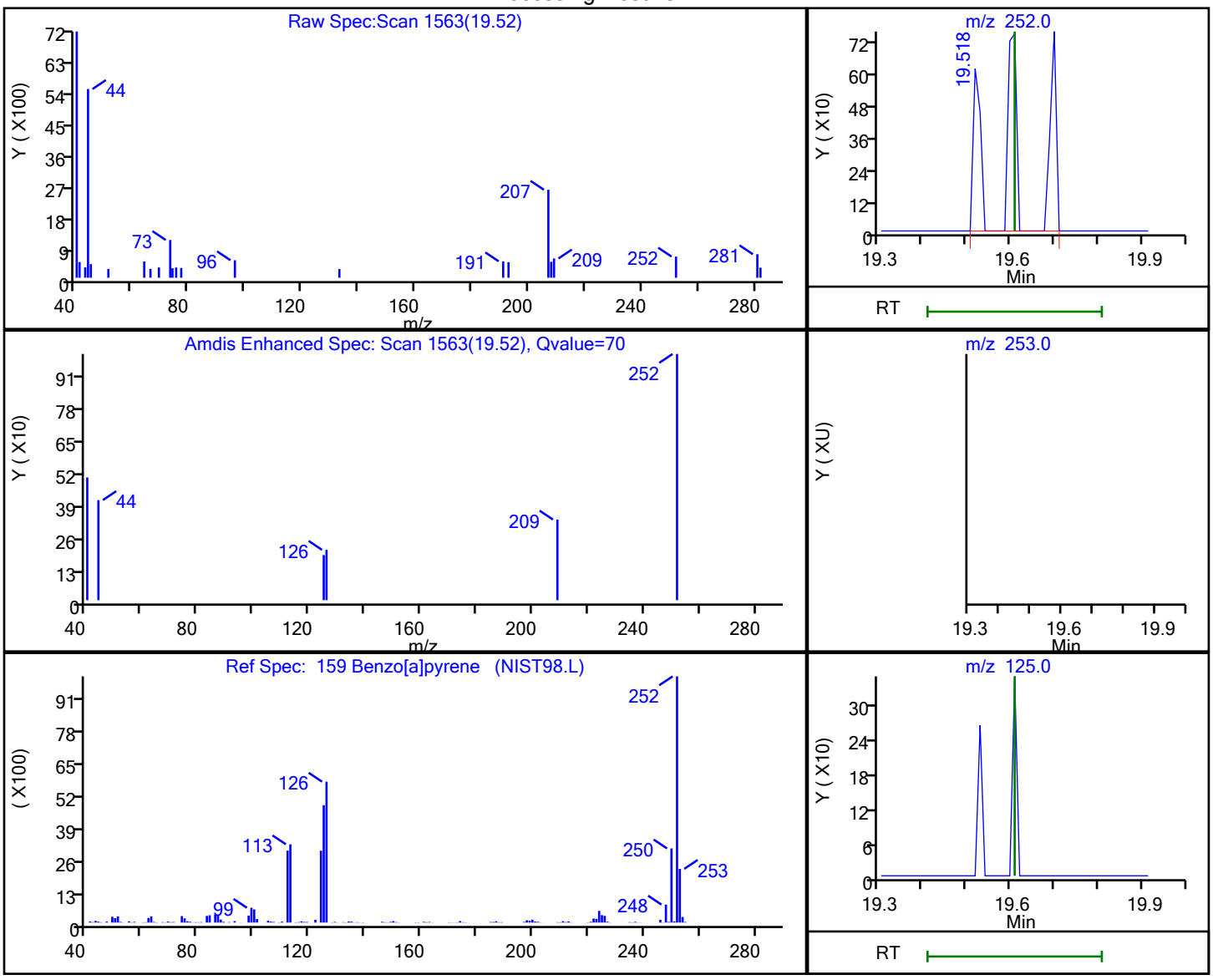
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D				
Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

159 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.52	252.00	2475	0.044717
19.61	253.00	0	
19.61	125.00	0	

Reviewer: williamss, 12-Jan-2021 22:54:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

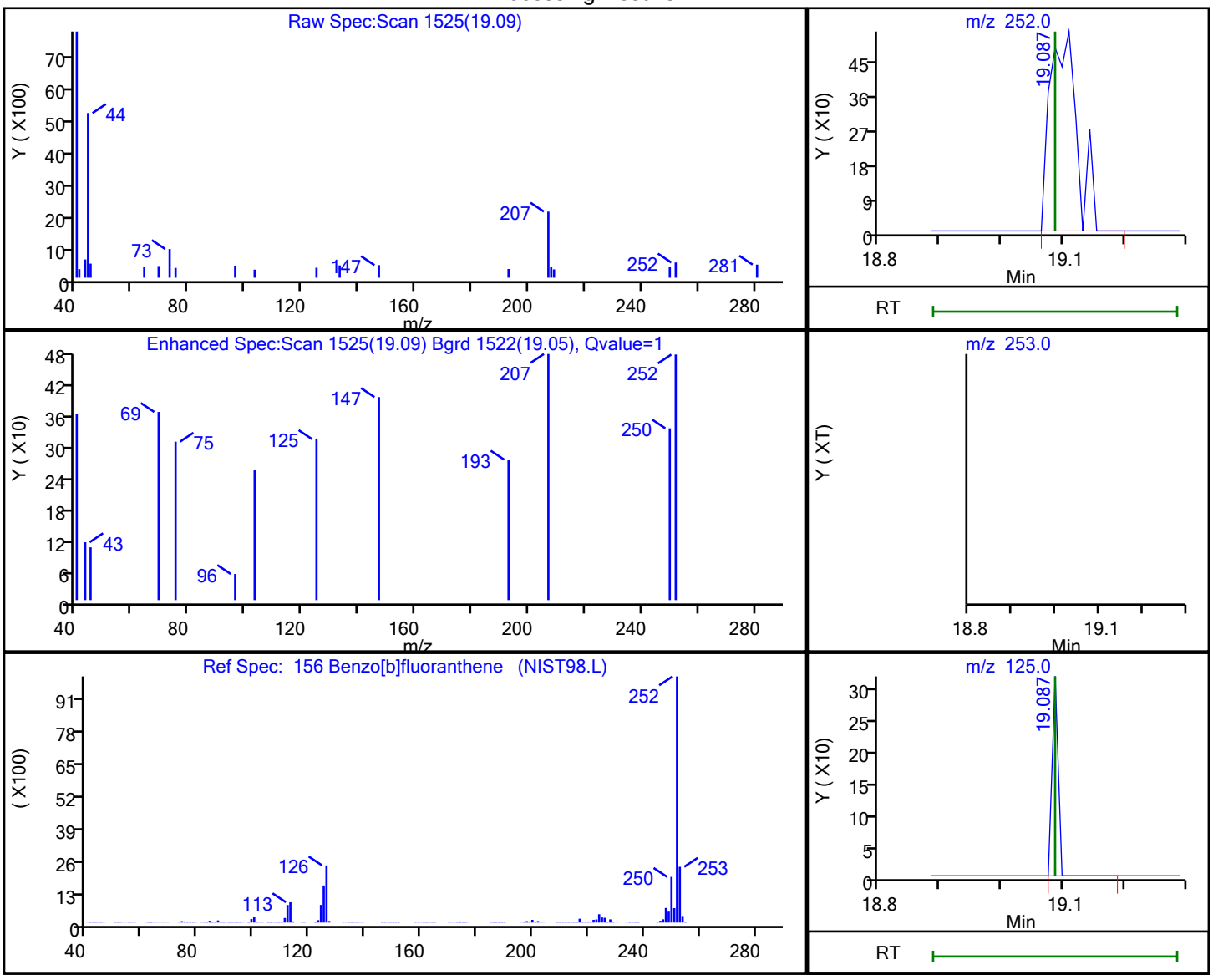
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D				
Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Benzo[b]fluoranthene, CAS: 205-99-2

Processing Results



RT	Mass	Response	Amount
19.09	252.00	1604	0.027795
19.09	253.00	0	
19.09	125.00	213	

Reviewer: williamss, 12-Jan-2021 22:54:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

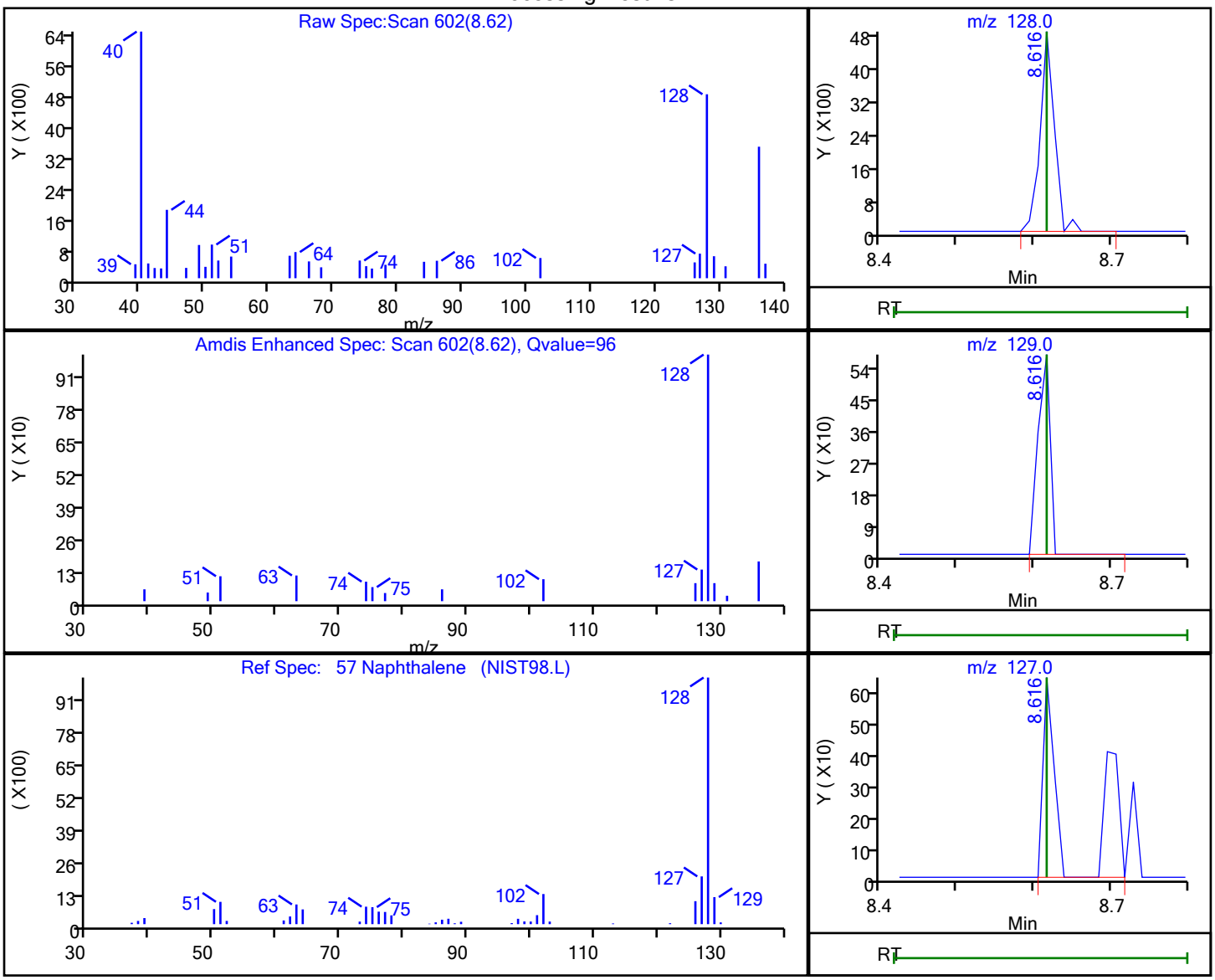
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0087.D				
Injection Date:	12-Jan-2021 22:24:30	Instrument ID:	HP23264		
Lims ID:	410-25282-E-13-A	Lab Sample ID:	410-25282-13		
Client ID:	MW-11S-20201229				
Operator ID:	knb25316	ALS Bottle#:	18	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

57 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
8.62	128.00	6262	0.058943
8.62	129.00	633	
8.62	127.00	1192	

Reviewer: williamss, 12-Jan-2021 22:54:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-11D-20201229 Lab Sample ID: 410-25282-14

Matrix: Ground Water Lab File ID: HA0267.D

Analysis Method: 8270D Date Collected: 12/29/2020 15:52

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 244.1(mL) Date Analyzed: 01/07/2021 07:05

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	71		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	71		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0267.D
Lims ID: 410-25282-D-14-A
Client ID: MW-11D-20201229
Sample Type: Client
Inject. Date: 07-Jan-2021 07:05:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-14-A
Misc. Info.: 410-0019389-018
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:59:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	202905	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	1022645	17.9	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	773496	5.00	
55 Naphthalene	128		8.590				ND	U
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	2235657	18.1	
89 Acenaphthylene	152		11.120				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	374321	5.00	
93 Acenaphthene	153		11.399				ND	7
105 Fluorene	166		12.128				ND	7
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	751784	5.00	
129 Phenanthrene	178		13.282				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	100	757031	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2695740	17.8	
148 Benzo[a]anthracene	228		17.187				ND	7
151 Chrysene	228		17.246				ND	7
155 Benzo[b]fluoranthene	252		19.017				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	7
* 159 Perylene-d12	264	19.624	19.624	0.000	98	802092	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.261				ND	
165 Benzo[g,h,i]perylene	276		21.582				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

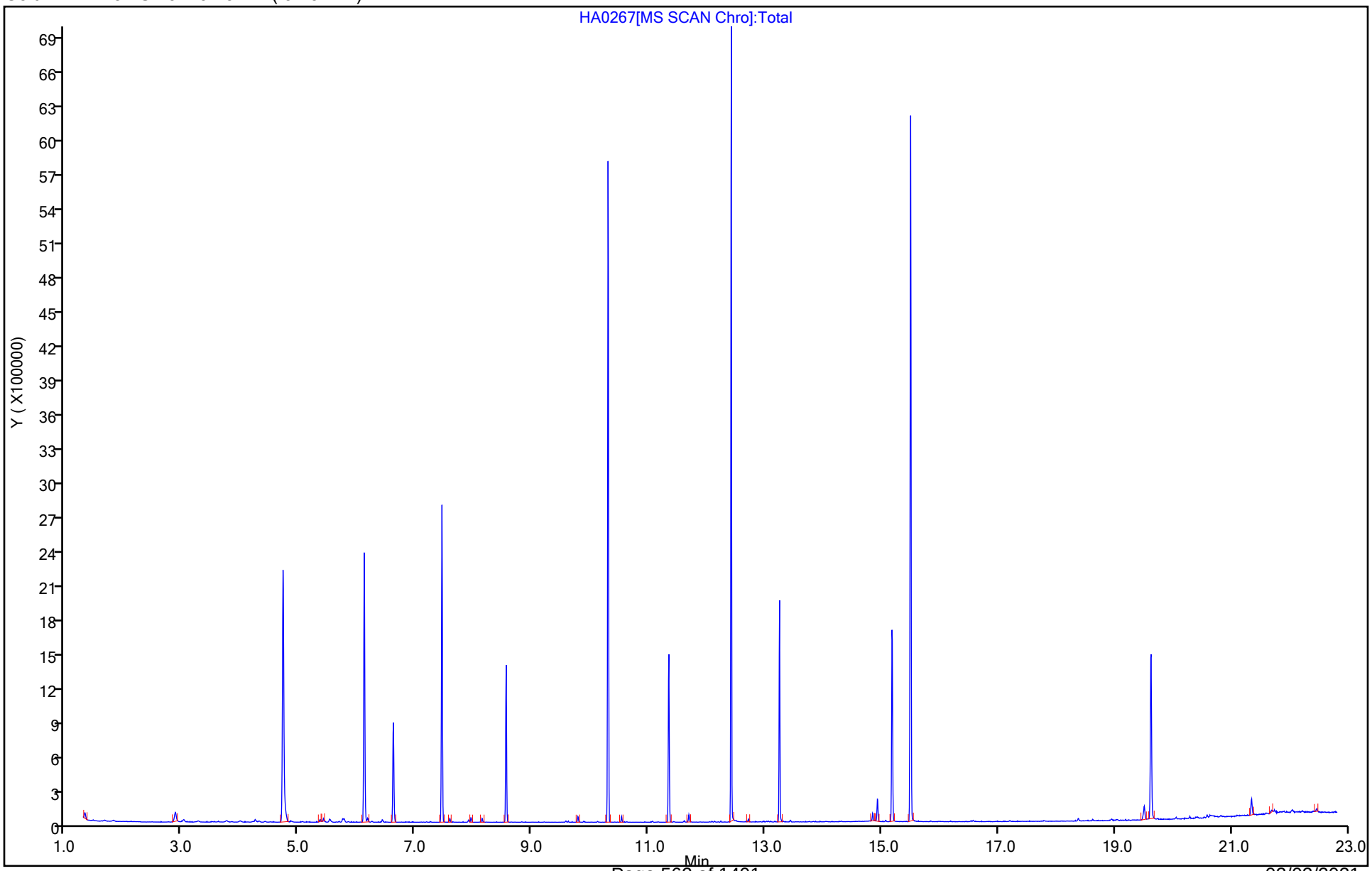
Report Date: 07-Jan-2021 09:01:30 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0267.D

Injection Date:	07-Jan-2021 07:05:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-14-A	Lab Sample ID:	410-25282-14	Worklist Smp#:	18
Client ID:	MW-11D-20201229				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



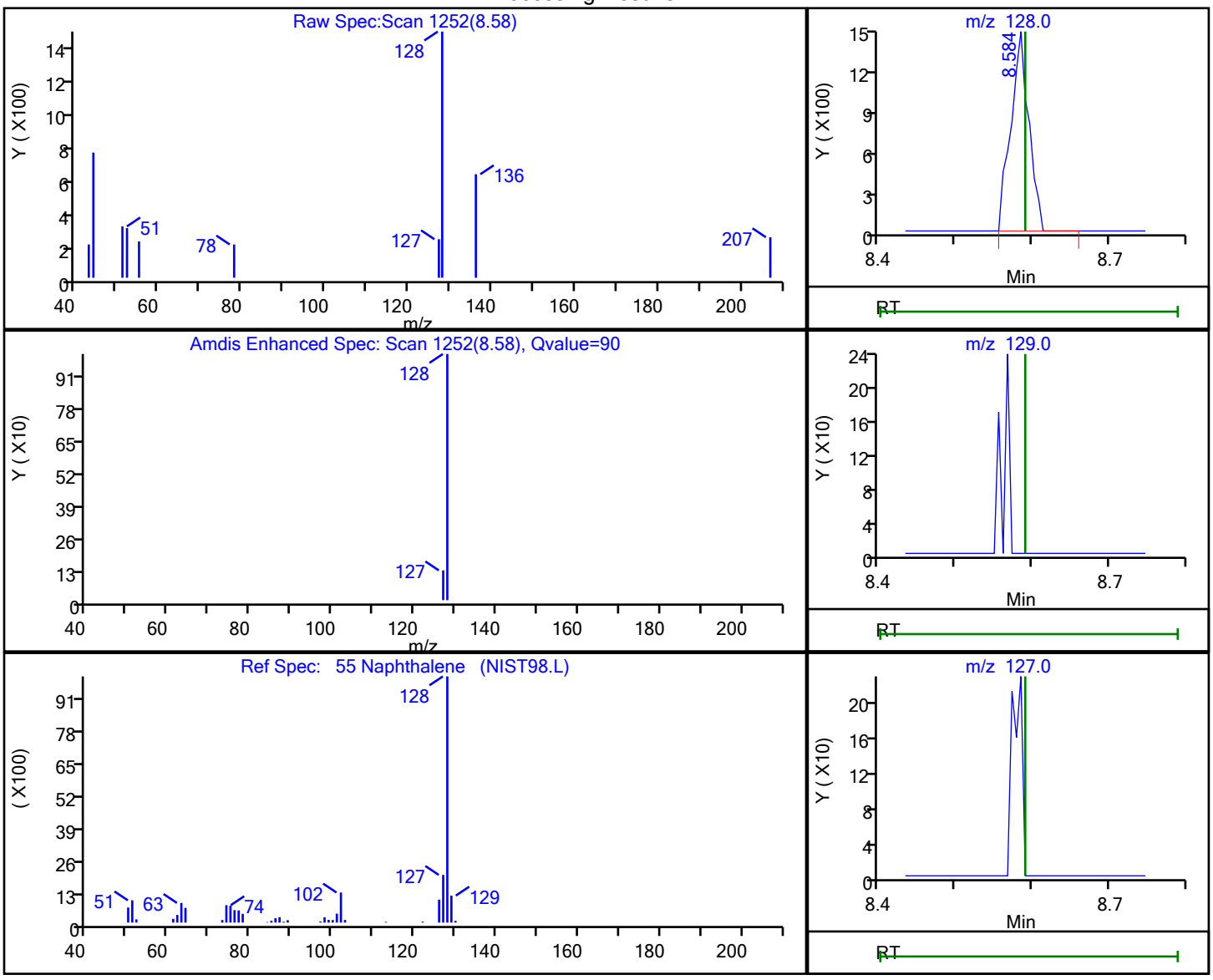
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0267.D				
Injection Date:	07-Jan-2021 07:05:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-14-A	Lab Sample ID:	410-25282-14		
Client ID:	MW-11D-20201229				
Operator ID:	sw30417	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

55 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
8.58	128.00	2379	0.014017
8.59	129.00	0	
8.59	127.00	0	

Reviewer: monbornee, 07-Jan-2021 08:59:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-4S-20201230 Lab Sample ID: 410-25282-15

Matrix: Ground Water Lab File ID: HA0317.D

Analysis Method: 8270D Date Collected: 12/30/2020 09:06

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 247.1(mL) Date Analyzed: 01/07/2021 17:54

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82839 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	18		0.51	0.10
208-96-8	Acenaphthylene	0.68		0.51	0.10
120-12-7	Anthracene	0.38	J	0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	2.8		0.51	0.10
86-73-7	Fluorene	6.8		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	0.15	J	0.51	0.10
129-00-0	Pyrene	3.8		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	66		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	43		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D
Lims ID: 410-25282-D-15-A
Client ID: MW-4S-20201230
Sample Type: Client
Inject. Date: 07-Jan-2021 17:54:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-15-A
Misc. Info.: 410-0019409-018
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:44:27 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: williamss Date: 07-Jan-2021 20:50:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	203936	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	954266	16.5	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	781617	5.00	
55 Naphthalene	128		8.590				ND	7
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	1946638	15.5	
89 Acenaphthylene	152	11.114	11.114	0.000	97	24787	0.1678	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	381329	5.00	
93 Acenaphthene	153	11.394	11.399	-0.006	94	496643	4.51	
105 Fluorene	166	12.122	12.128	-0.006	95	199364	1.67	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	751501	5.00	
129 Phenanthrene	178	13.276	13.271	0.000	92	6648	0.0380	
130 Anthracene	178	13.340	13.340	-0.006	96	16704	0.0950	
138 Fluoranthene	202	14.873	14.873	-0.006	97	140682	0.6964	
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.006	100	742929	5.00	
141 Pyrene	202	15.206	15.211	-0.005	97	192499	0.9370	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	1611443	10.8	
148 Benzo[a]anthracene	228		17.182				ND	7
151 Chrysene	228		17.246				ND	7
155 Benzo[b]fluoranthene	252		19.018				ND	
157 Benzo[k]fluoranthene	252		19.064				ND	
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	765313	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.262				ND	
165 Benzo[g,h,i]perylene	276		21.576				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

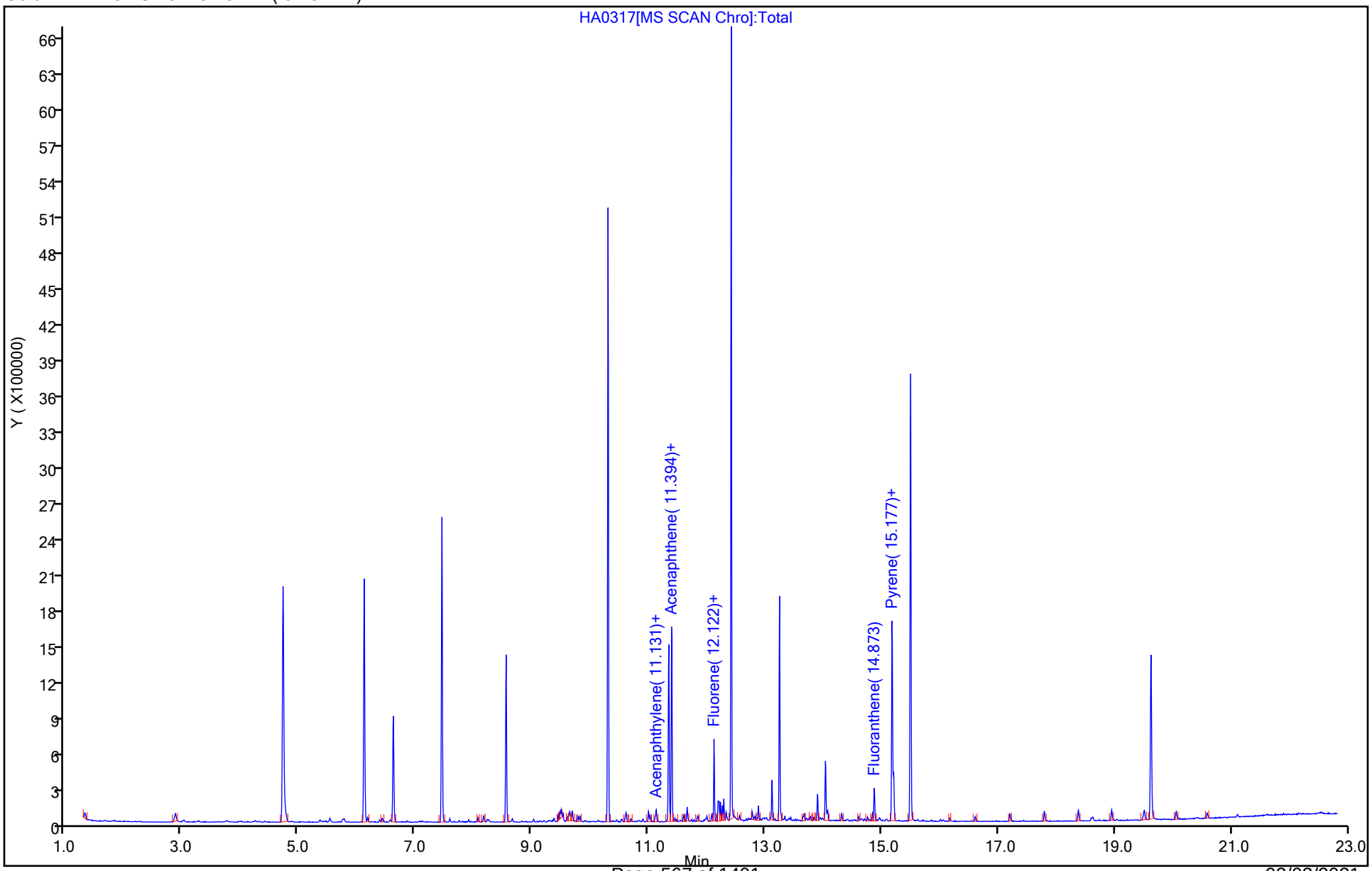
Report Date: 08-Jan-2021 02:44:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D

Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15	Worklist Smp#:	18
Client ID:	MW-4S-20201230				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



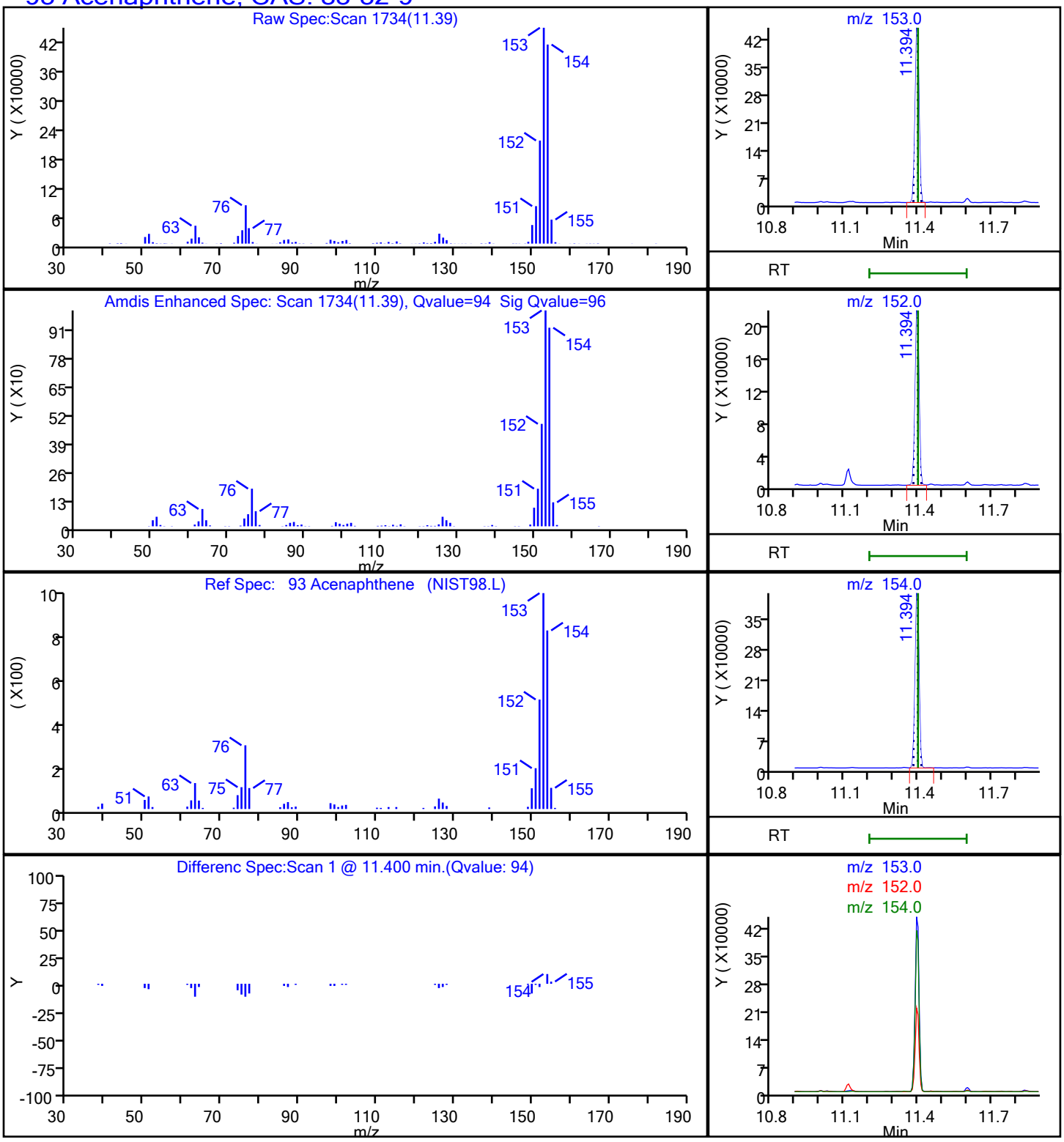
Report Date: 08-Jan-2021 02:44:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D

Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15		
Client ID:	MW-4S-20201230				
Operator ID:	em10340	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

93 Acenaphthene, CAS: 83-32-9



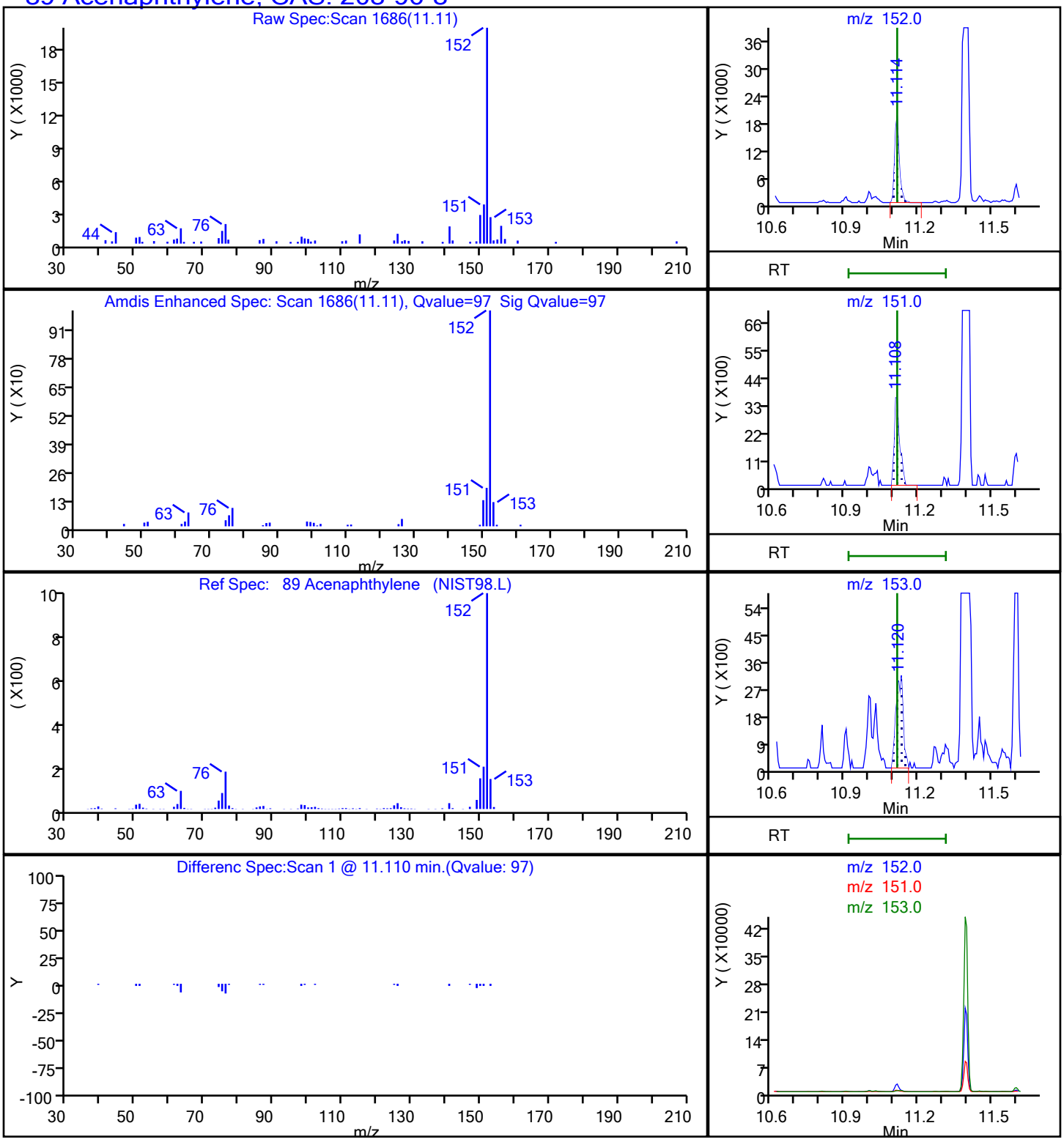
Report Date: 08-Jan-2021 02:44:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D

Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15		
Client ID:	MW-4S-20201230				
Operator ID:	em10340	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

89 Acenaphthylene, CAS: 208-96-8



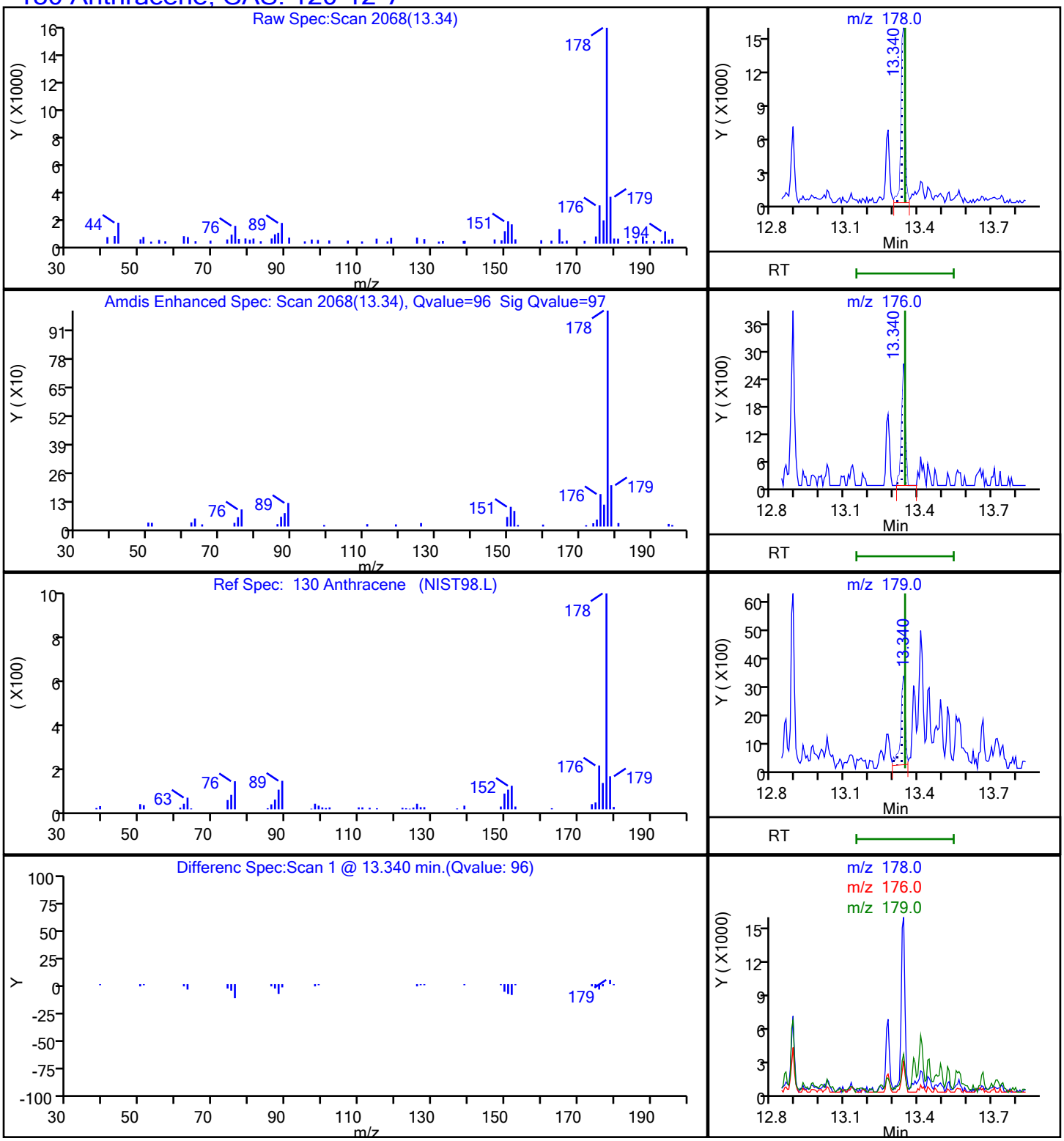
Report Date: 08-Jan-2021 02:44:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D

Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15		
Client ID:	MW-4S-20201230				
Operator ID:	em10340	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

130 Anthracene, CAS: 120-12-7



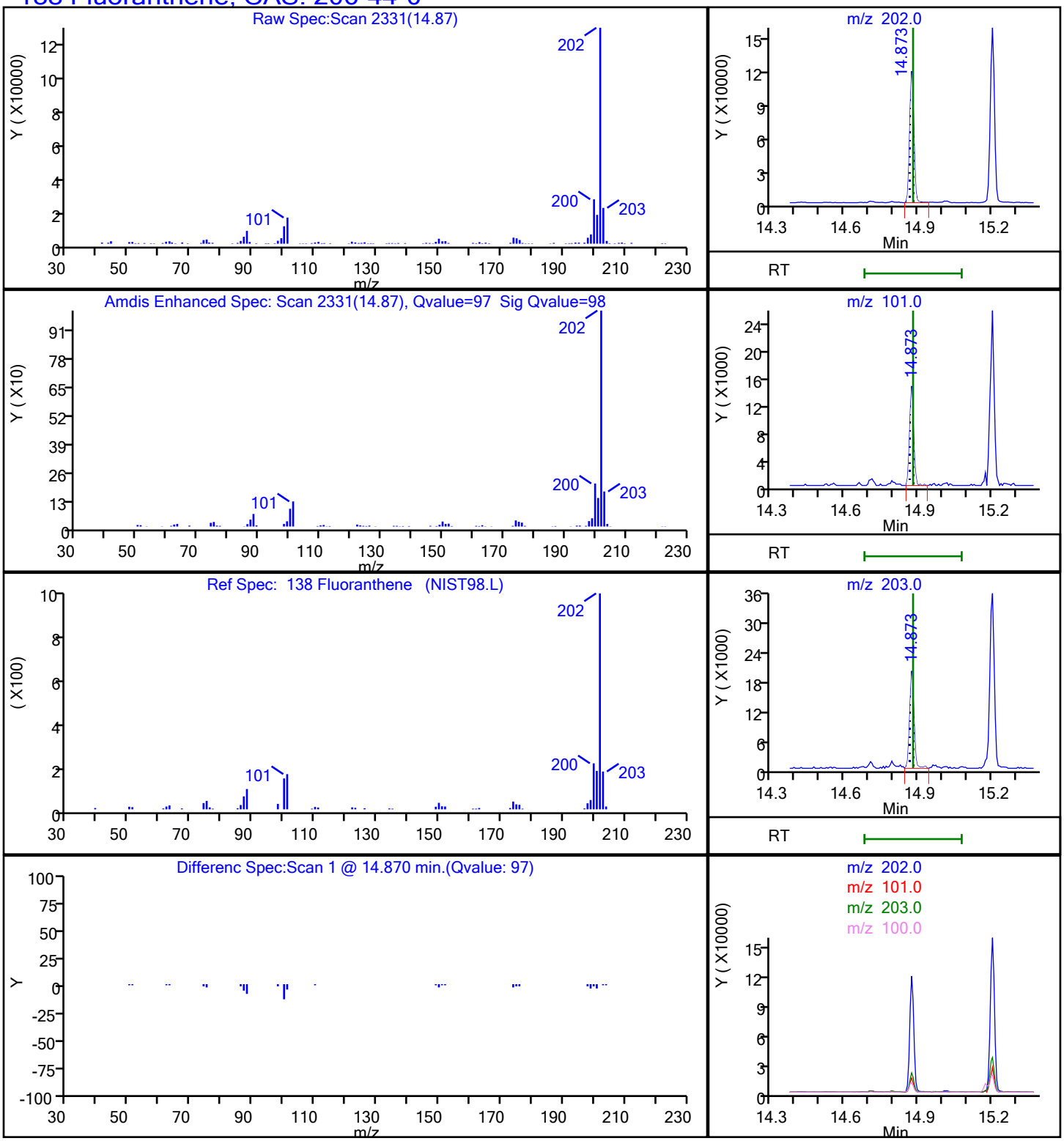
Report Date: 08-Jan-2021 02:44:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D

Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15		
Client ID:	MW-4S-20201230				
Operator ID:	em10340	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

138 Fluoranthene, CAS: 206-44-0



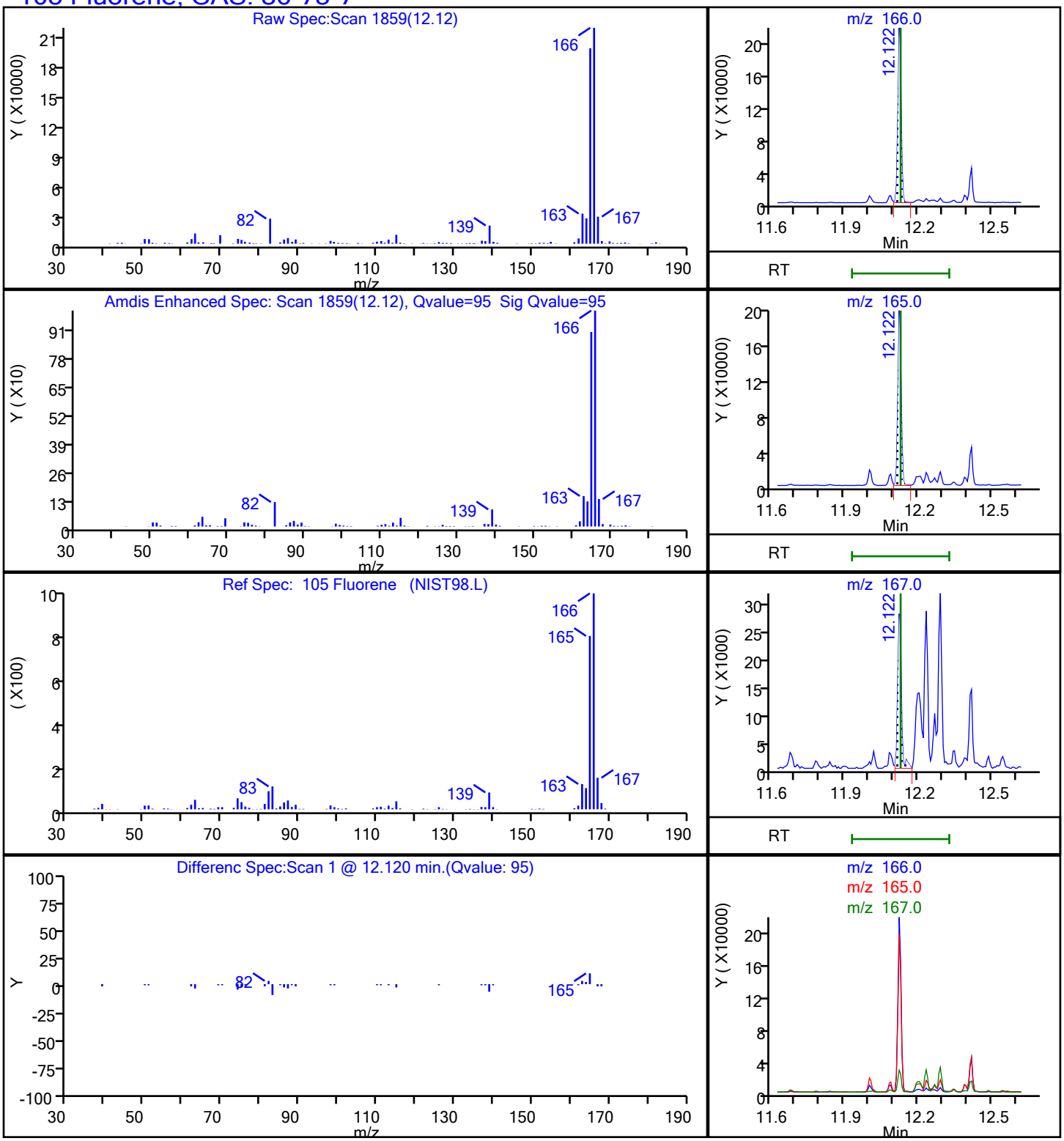
Report Date: 08-Jan-2021 02:44:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D

Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15		
Client ID:	MW-4S-20201230				
Operator ID:	em10340	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

105 Fluorene, CAS: 86-73-7



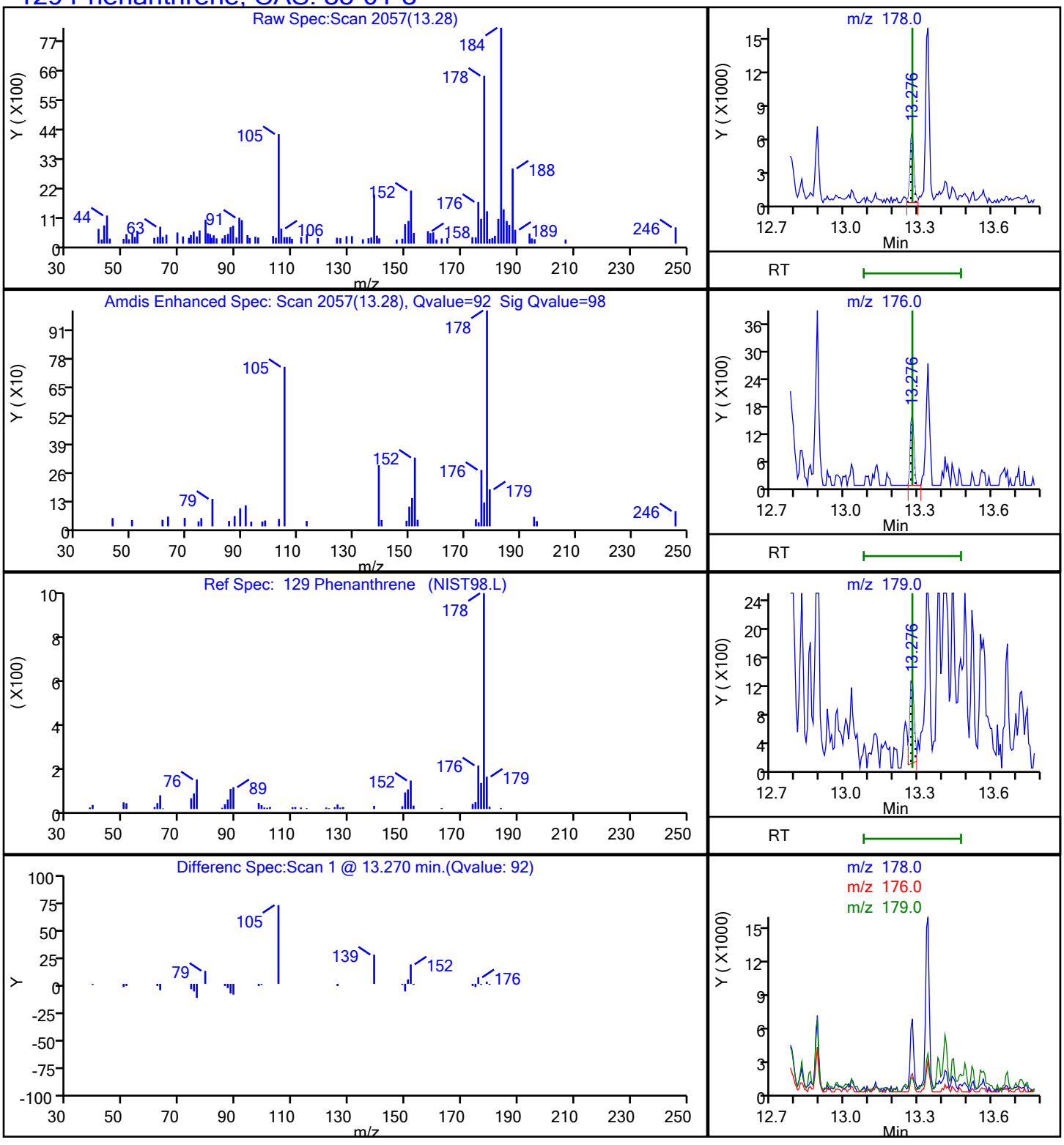
Report Date: 08-Jan-2021 02:44:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D

Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15		
Client ID:	MW-4S-20201230				
Operator ID:	em10340	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Phenanthrene, CAS: 85-01-8



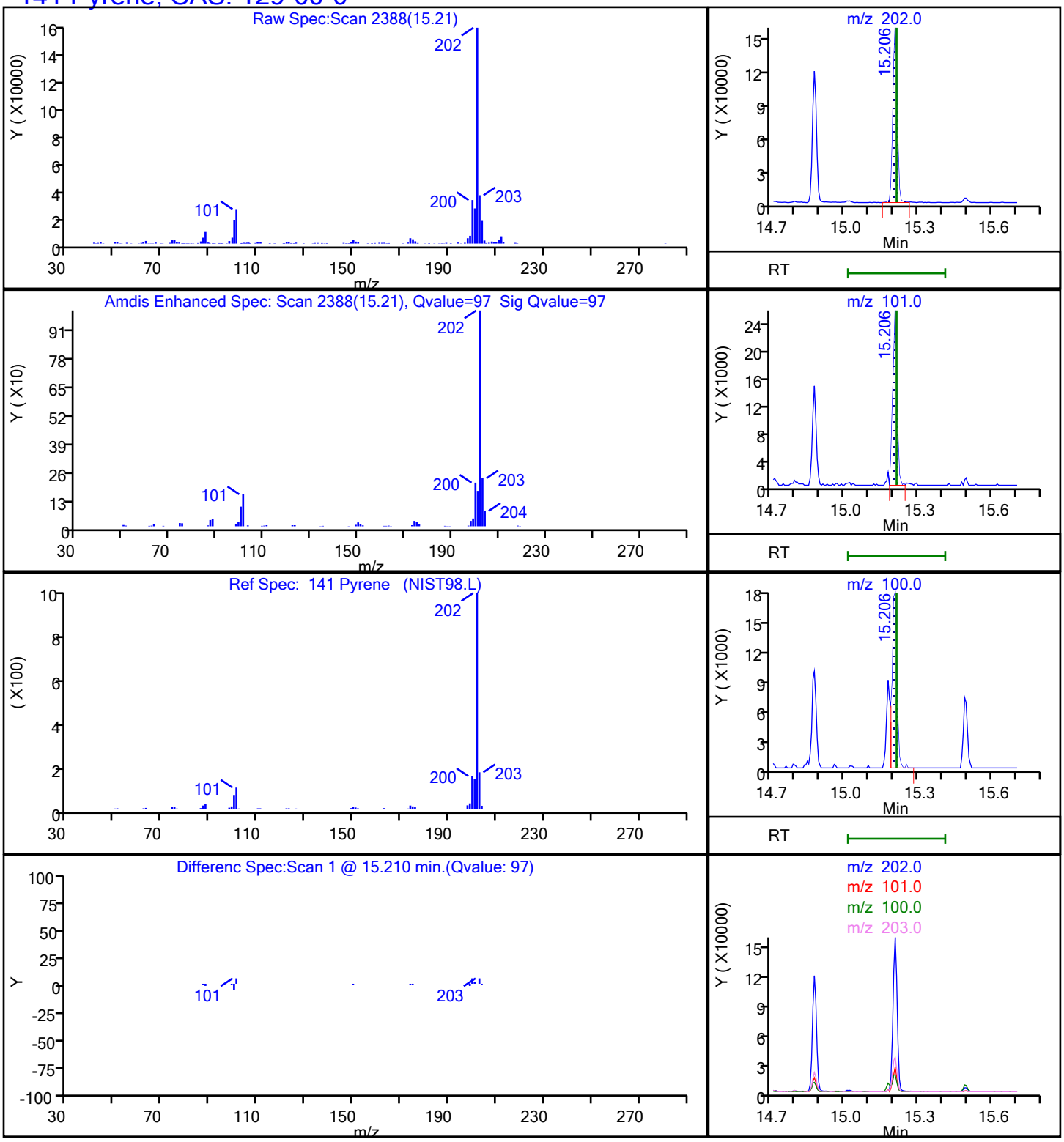
Report Date: 08-Jan-2021 02:44:56 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D

Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15		
Client ID:	MW-4S-20201230				
Operator ID:	em10340	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Pyrene, CAS: 129-00-0



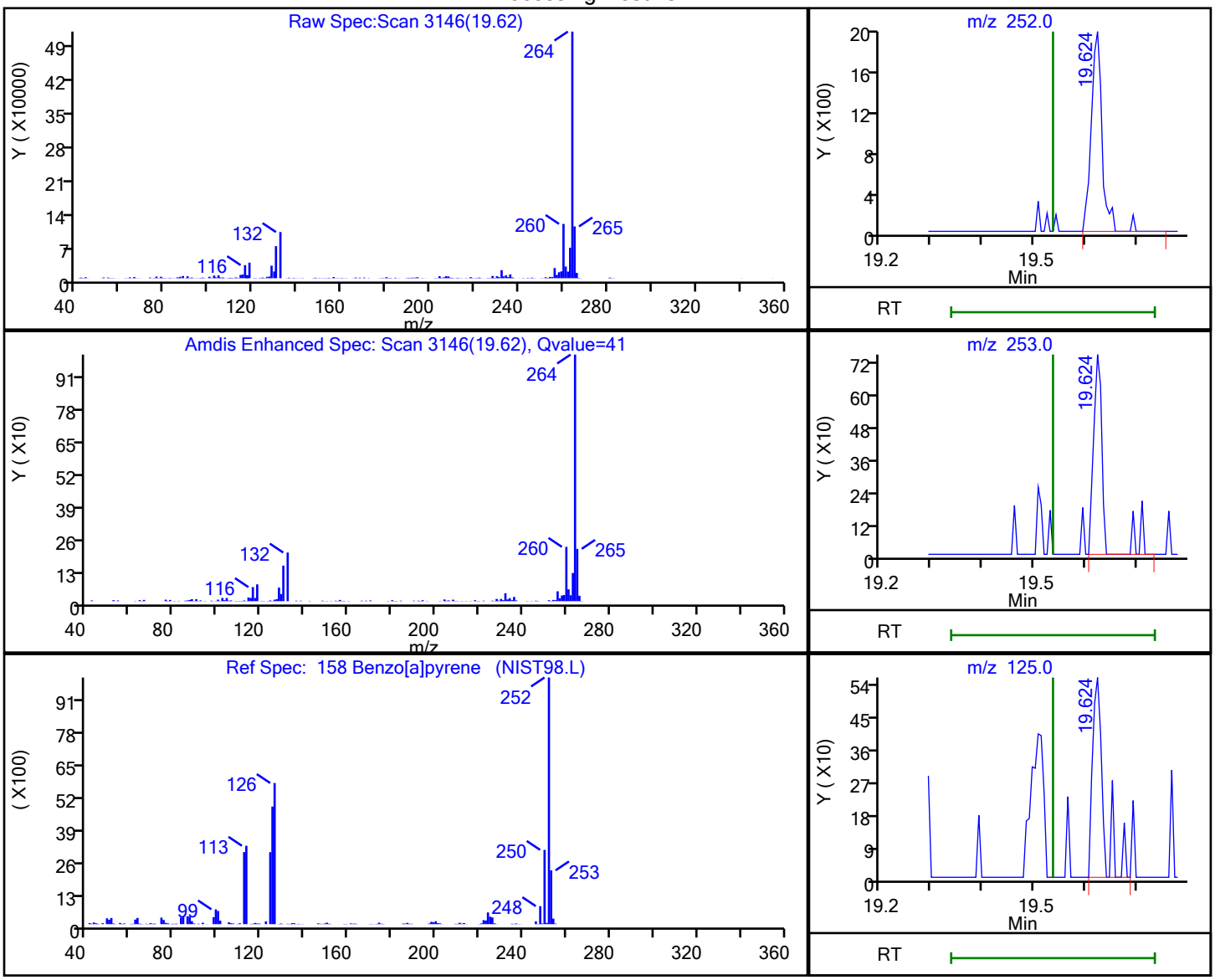
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0317.D				
Injection Date:	07-Jan-2021 17:54:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-15-A	Lab Sample ID:	410-25282-15		
Client ID:	MW-4S-20201230				
Operator ID:	em10340	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.62	252.00	2897	0.016634
19.62	253.00	949	
19.62	125.00	805	

Reviewer: williamss, 08-Jan-2021 02:38:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-4D-20201230 Lab Sample ID: 410-25282-16

Matrix: Ground Water Lab File ID: HA0318.D

Analysis Method: 8270D Date Collected: 12/30/2020 09:46

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 247.6(mL) Date Analyzed: 01/07/2021 18:23

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82839 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	57		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	62		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	35		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0318.D
Lims ID: 410-25282-D-16-A
Client ID: MW-4D-20201230
Sample Type: Client
Inject. Date: 07-Jan-2021 18:23:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-16-A
Misc. Info.: 410-0019409-019
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:44:27 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: williamss Date: 07-Jan-2021 20:50:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	213039	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	918860	15.5	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	802921	5.00	
55 Naphthalene	128		8.590				ND	U
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	1863644	14.3	
89 Acenaphthylene	152		11.114				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	395180	5.00	
93 Acenaphthene	153		11.400				ND	7
105 Fluorene	166		12.128				ND	7
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	773038	5.00	
129 Phenanthrene	178		13.276				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	100	764035	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	1337512	8.73	
148 Benzo[a]anthracene	228		17.182				ND	7
151 Chrysene	228		17.246				ND	7
155 Benzo[b]fluoranthene	252		19.018				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	784215	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.262				ND	
165 Benzo[g,h,i]perylene	276		21.576				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

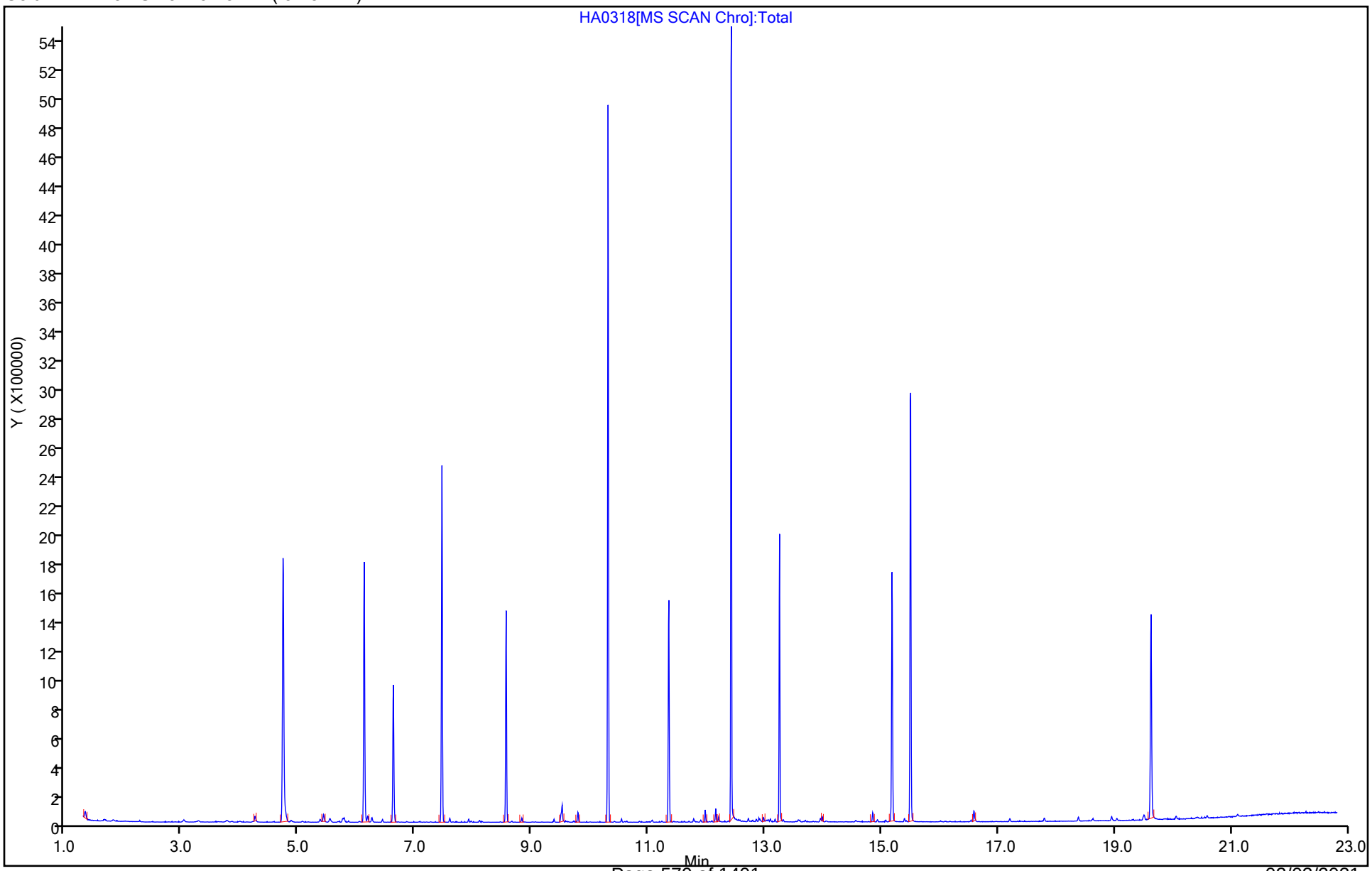
MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Jan-2021 02:44:57 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0318.D				
Injection Date:	07-Jan-2021 18:23:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	410-25282-D-16-A	Lab Sample ID:	410-25282-16	Worklist Smp#:	19
Client ID:	MW-4D-20201230				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



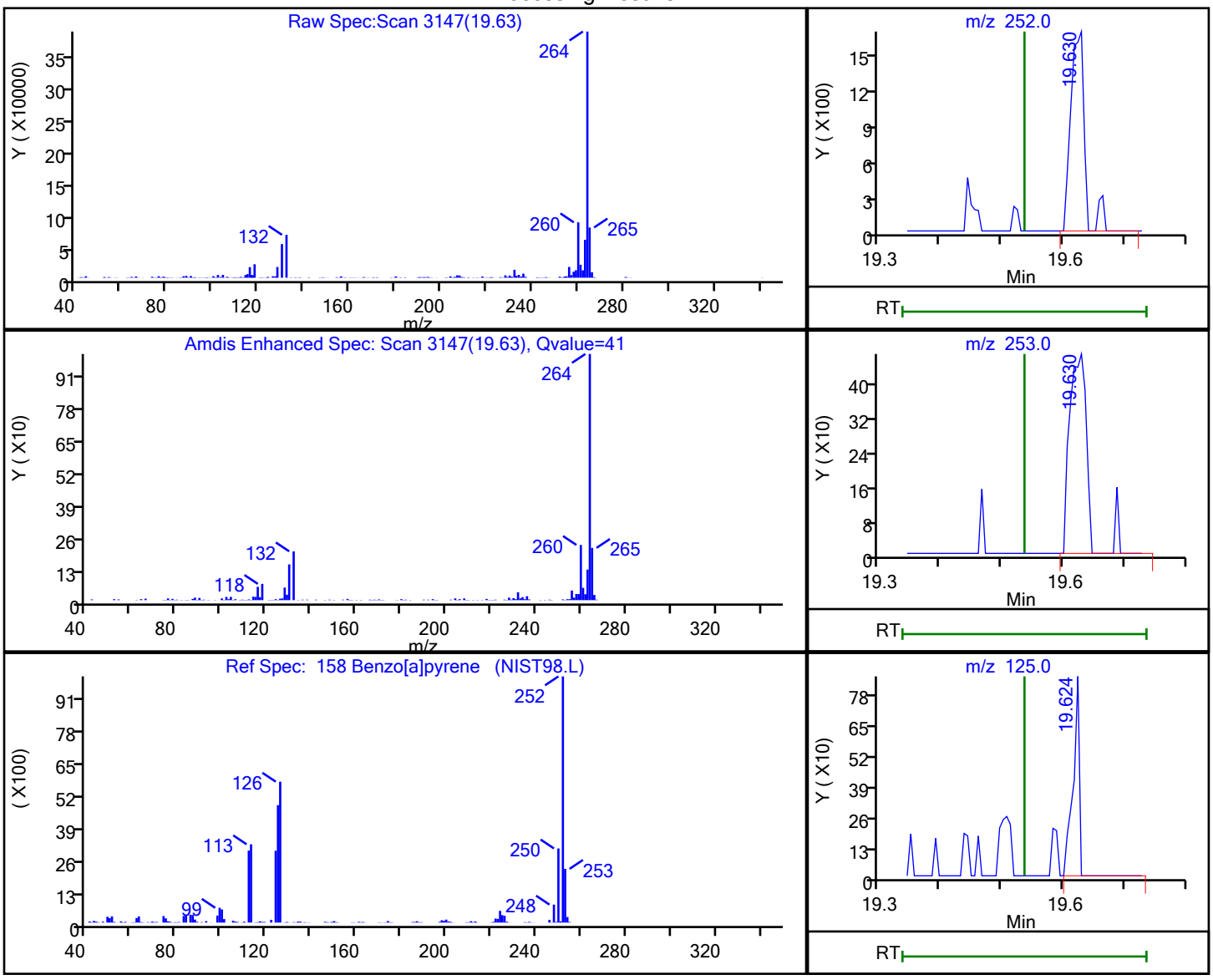
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0318.D				
Injection Date:	07-Jan-2021 18:23:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-16-A	Lab Sample ID:	410-25282-16		
Client ID:	MW-4D-20201230				
Operator ID:	em10340	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.63	252.00	2527	0.014159
19.63	253.00	925	
19.62	125.00	606	

Reviewer: williamss, 08-Jan-2021 02:40:03

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

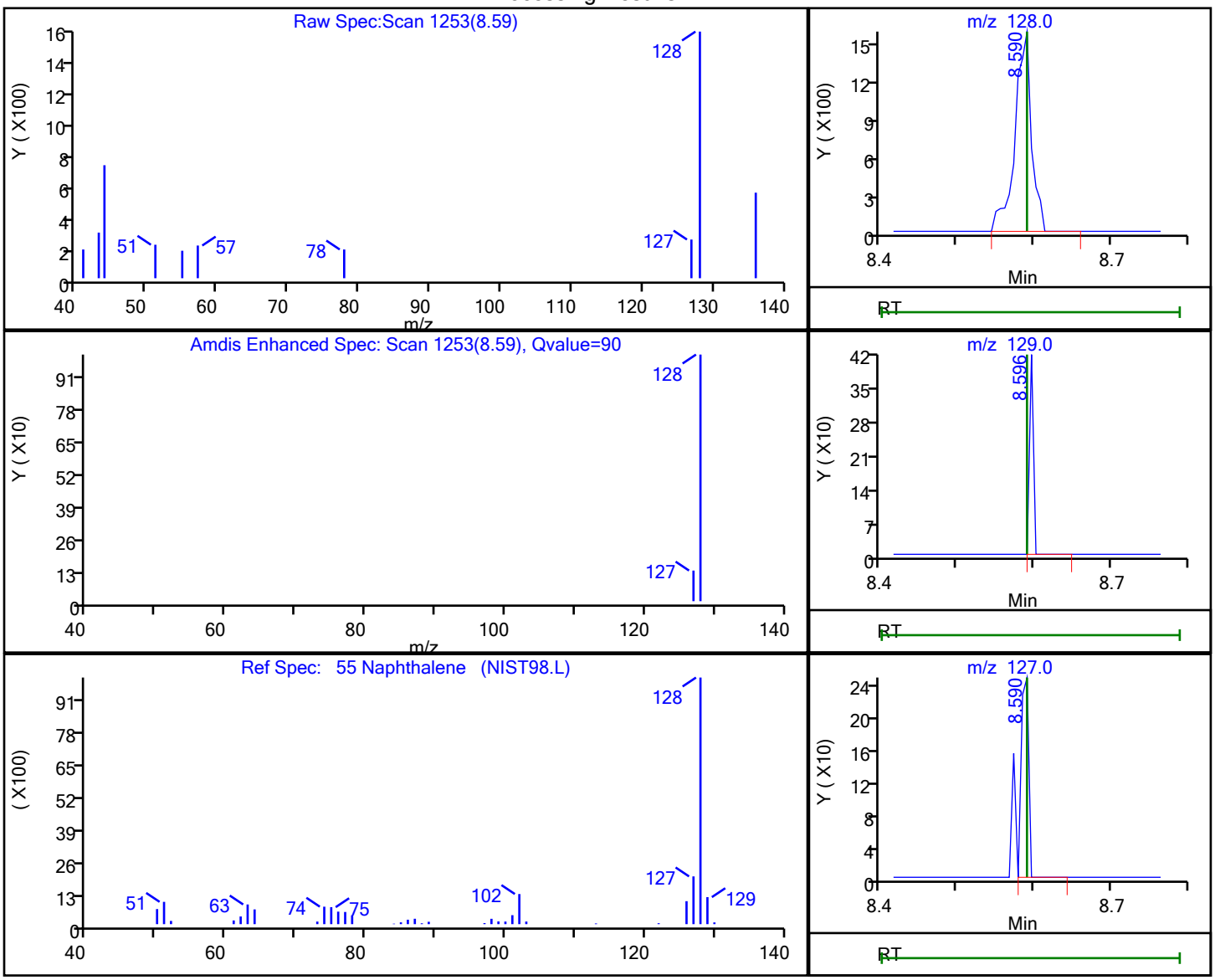
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0318.D				
Injection Date:	07-Jan-2021 18:23:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-16-A	Lab Sample ID:	410-25282-16		
Client ID:	MW-4D-20201230				
Operator ID:	em10340	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

55 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
8.59	128.00	2347	0.013322
8.60	129.00	146	
8.59	127.00	164	

Reviewer: williamss, 08-Jan-2021 02:39:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-3-20201230 Lab Sample ID: 410-25282-17

Matrix: Ground Water Lab File ID: HA0319.D

Analysis Method: 8270D Date Collected: 12/30/2020 10:37

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 249.7(mL) Date Analyzed: 01/07/2021 18:52

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82839 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	49		0.50	0.10
208-96-8	Acenaphthylene	7.7		0.50	0.10
120-12-7	Anthracene	1.5		0.50	0.10
56-55-3	Benzo[a]anthracene	2.7		0.50	0.10
50-32-8	Benzo[a]pyrene	0.10	J	0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	1.7		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	19		0.50	0.10
86-73-7	Fluorene	12		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
85-01-8	Phenanthrene	12		0.50	0.10
129-00-0	Pyrene	26		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	52		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	54		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	60		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D
Lims ID: 410-25282-D-17-A
Client ID: MW-3-20201230
Sample Type: Client
Inject. Date: 07-Jan-2021 18:52:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-17-A
Misc. Info.: 410-0019409-020
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:44:27 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: williamss Date: 07-Jan-2021 20:51:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	220916	5.00	
$ 41 Nitrobenzene-d5	82	7.453	7.459	-0.006	90	823193	13.6	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	820039	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	7425552	41.3	E
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	1734567	13.0	
89 Acenaphthylene	152	11.114	11.114	0.000	98	301301	1.93	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	403591	5.00	
93 Acenaphthene	153	11.399	11.399	-0.001	94	1415845	12.2	
105 Fluorene	166	12.122	12.128	-0.006	95	381432	3.02	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	798184	5.00	
129 Phenanthrene	178	13.276	13.271	0.000	97	534728	2.88	
130 Anthracene	178	13.340	13.340	-0.006	94	69124	0.3700	
138 Fluoranthene	202	14.879	14.873	0.000	97	1001191	4.67	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	797811	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	1448621	6.57	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2417663	15.1	
148 Benzo[a]anthracene	228	17.181	17.175	-0.001	97	126577	0.6737	
151 Chrysene	228	17.240	17.239	-0.006	96	80672	0.4248	
155 Benzo[b]fluoranthene	252		19.018				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252	19.519	19.536	-0.017	44	4911	0.0256	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	842695	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	7
164 Dibenz(a,h)anthracene	278		21.262				ND	
165 Benzo[g,h,i]perylene	276		21.576				ND	7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

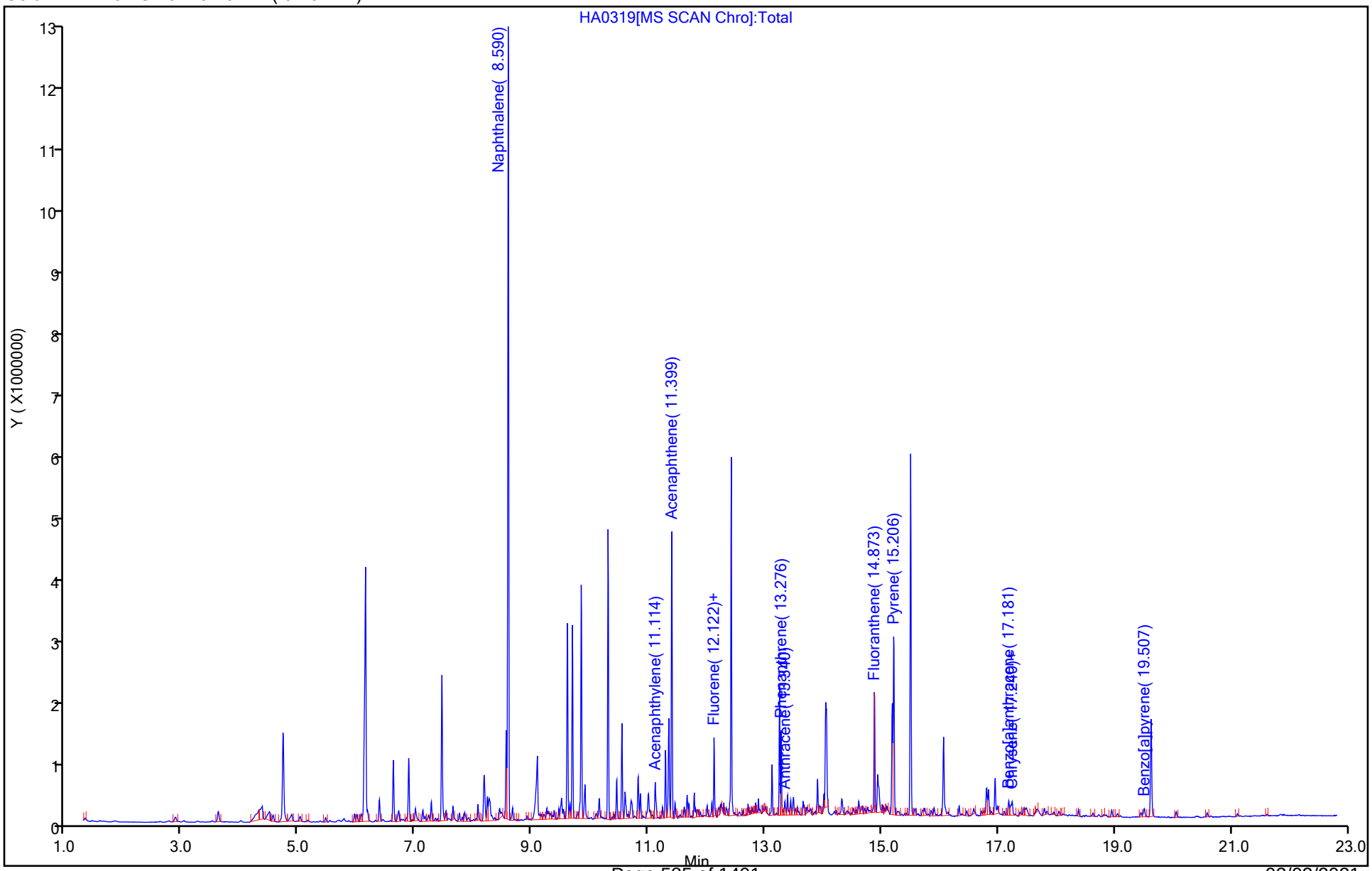
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17	Worklist Smp#:	20
Client ID:	MW-3-20201230				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



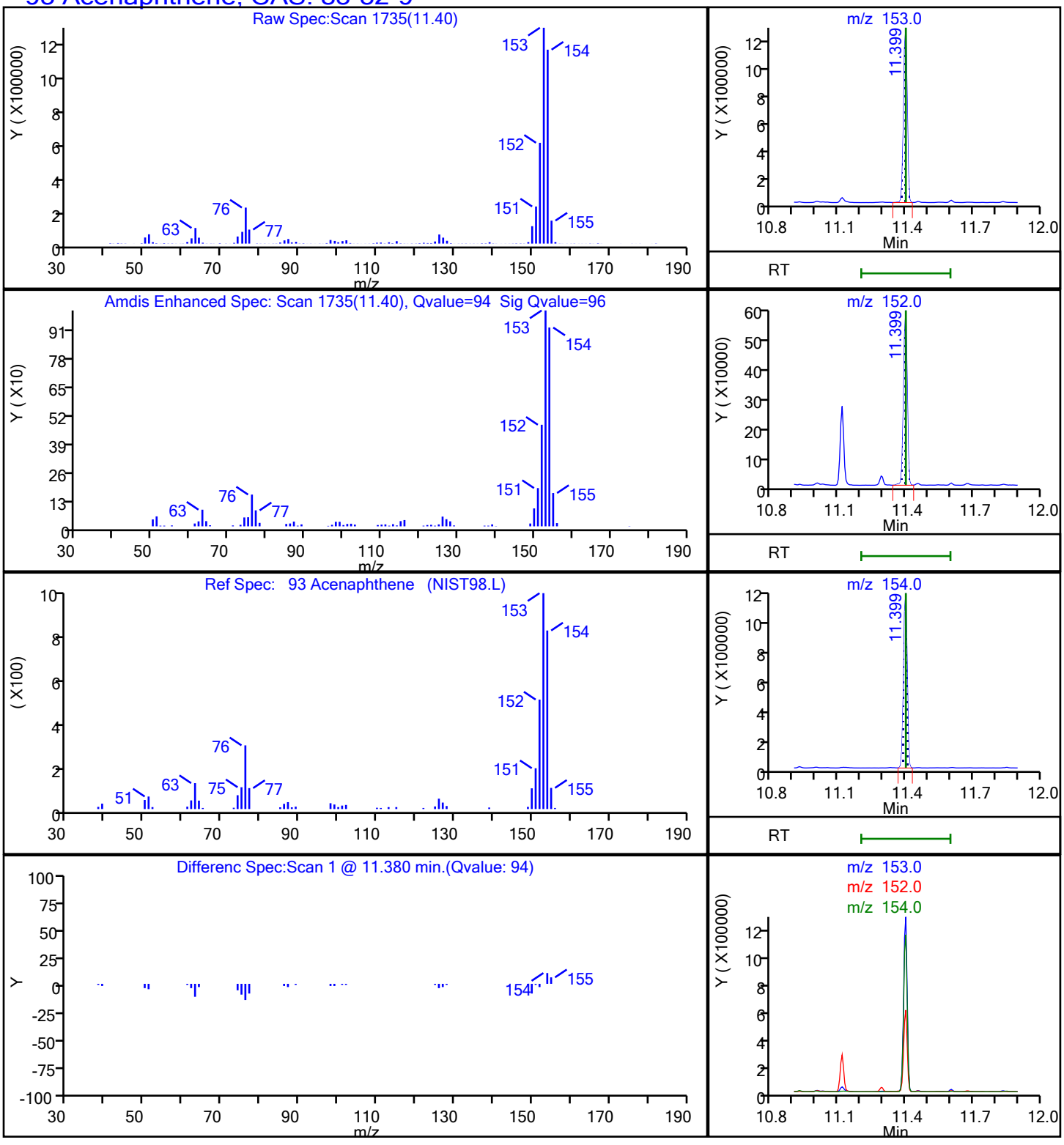
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

93 Acenaphthene, CAS: 83-32-9



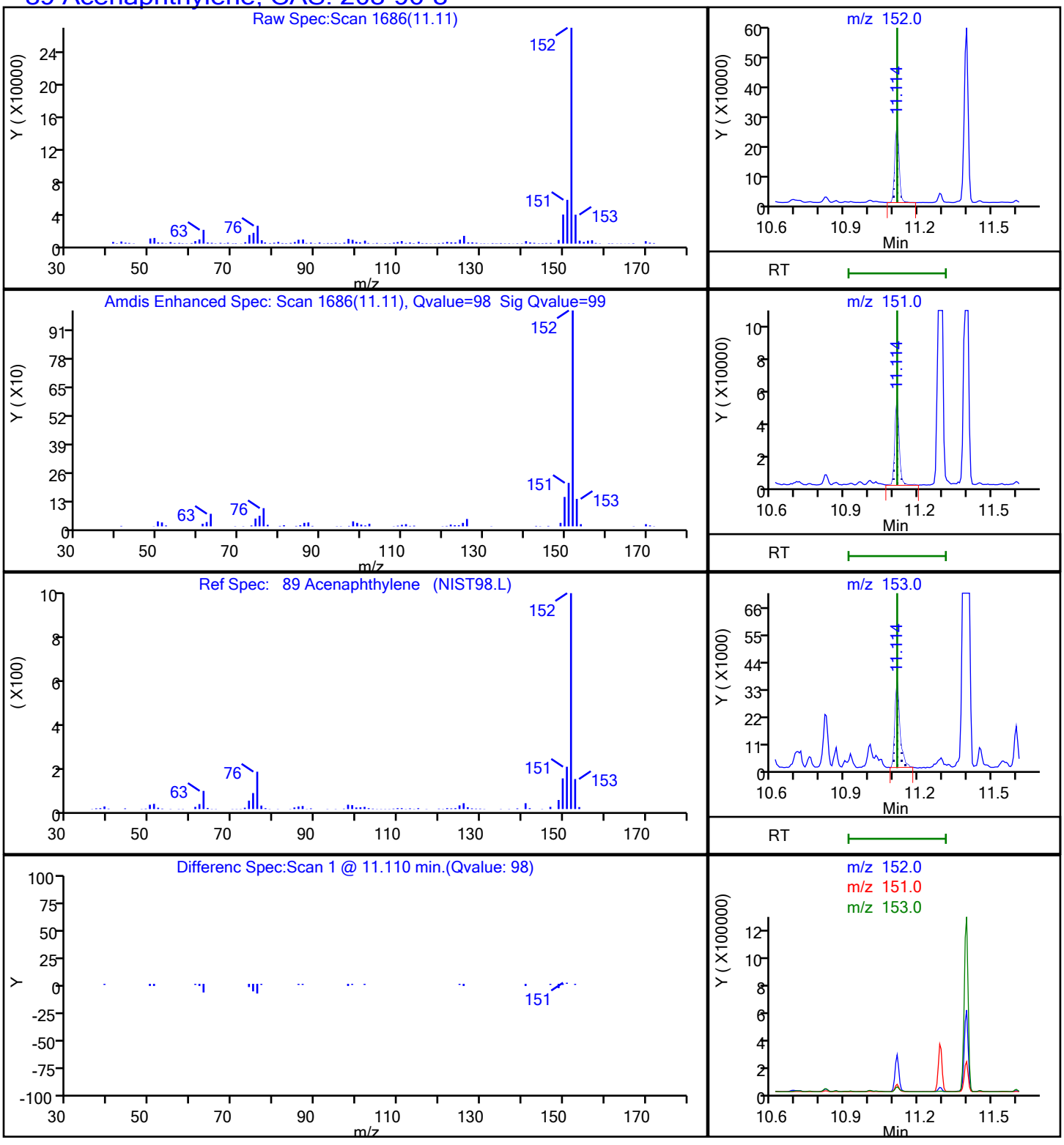
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

89 Acenaphthylene, CAS: 208-96-8



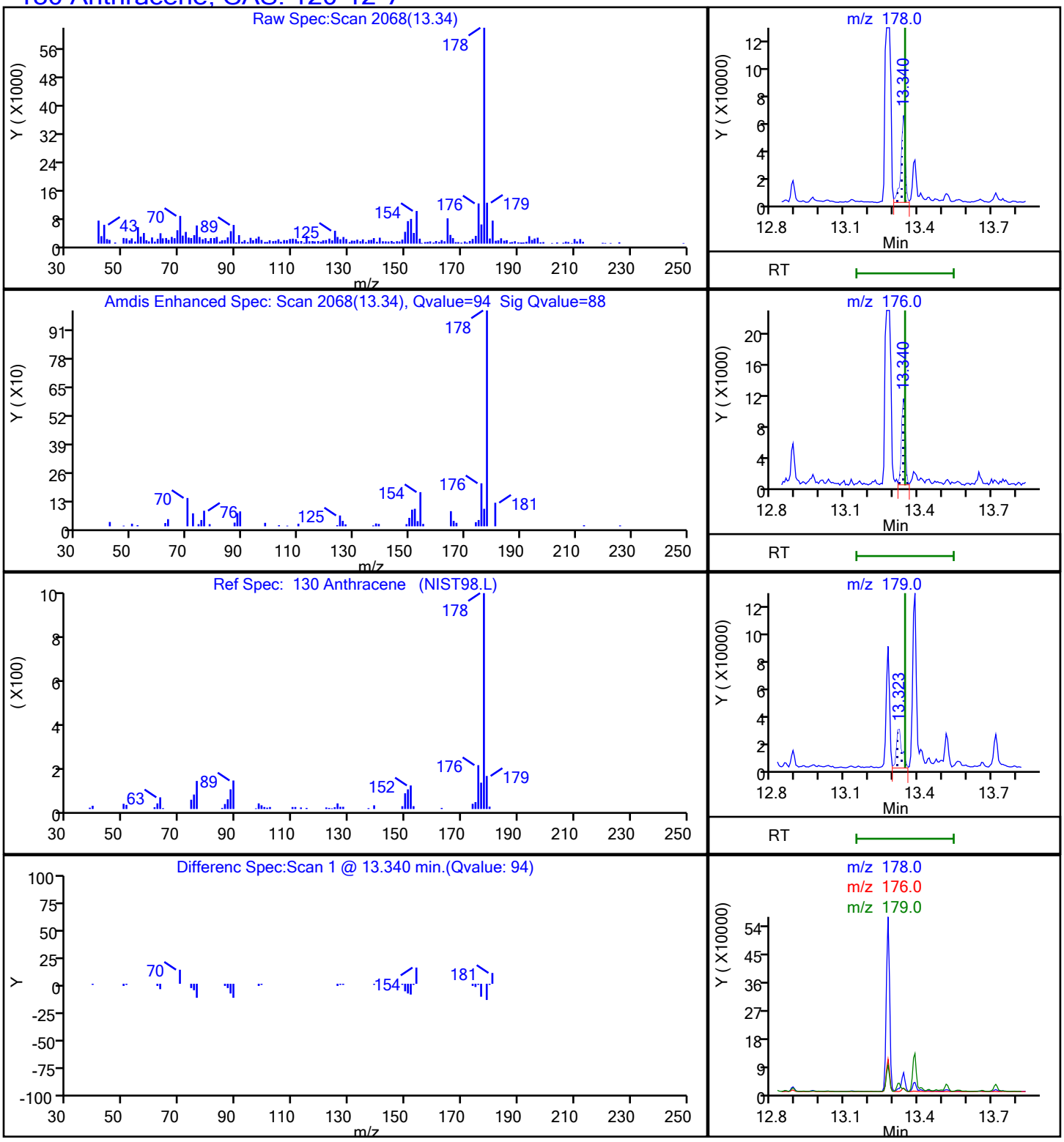
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

130 Anthracene, CAS: 120-12-7



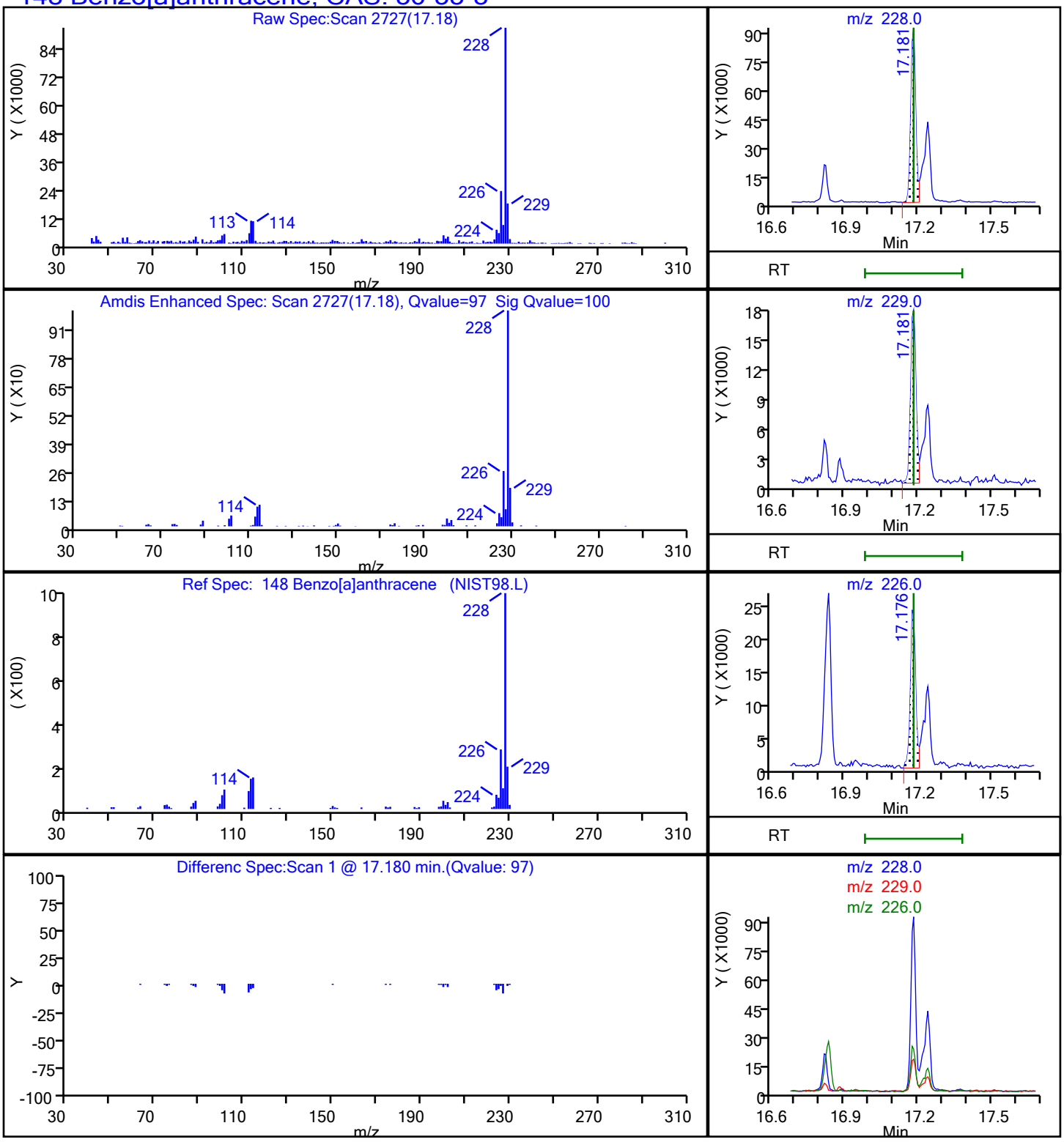
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

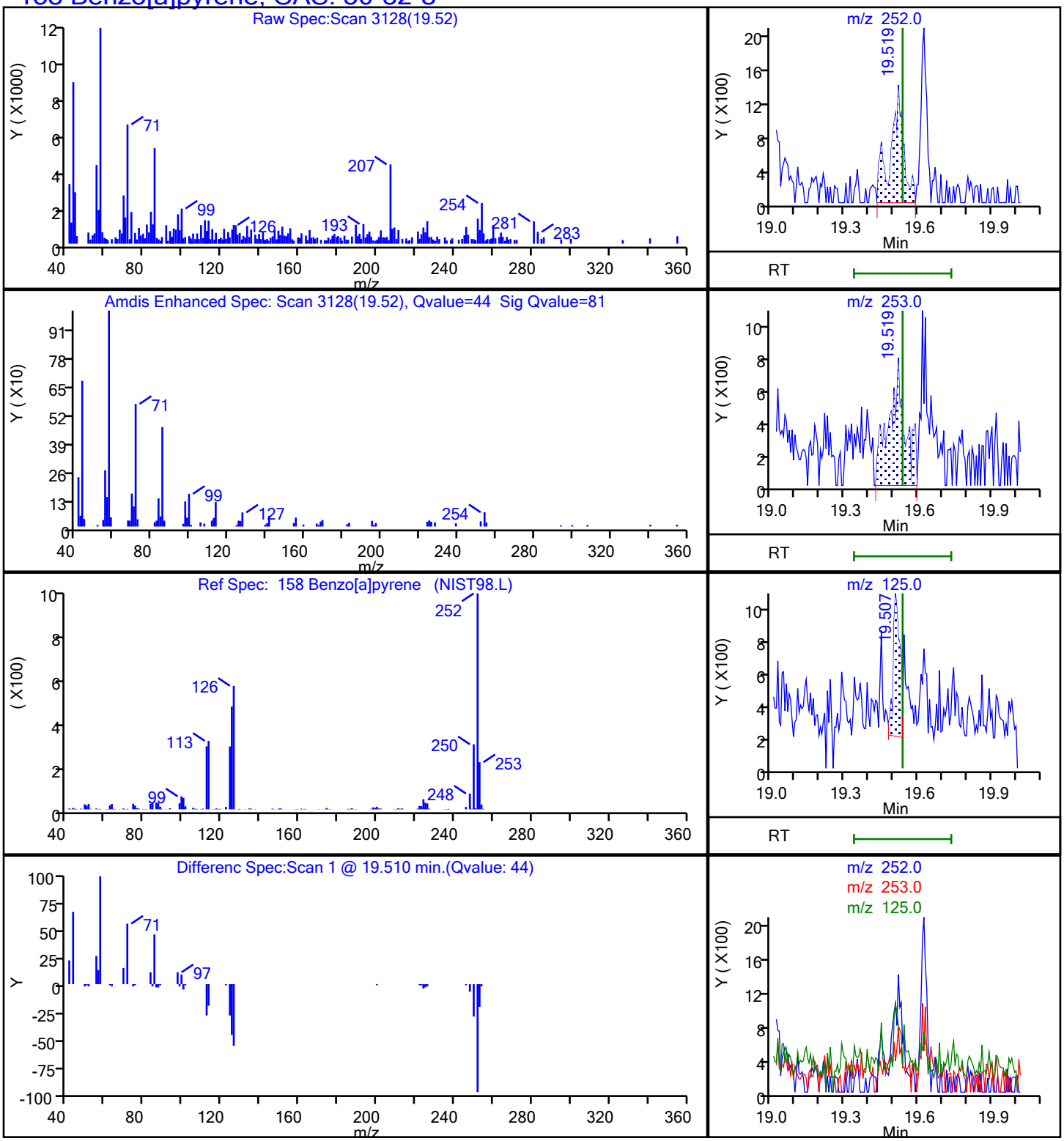
148 Benzo[a]anthracene, CAS: 56-55-3



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D		
Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17
Client ID:	MW-3-20201230		
Operator ID:	em10340	ALS Bottle#:	20 Worklist Smp#: 20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

158 Benzo[a]pyrene, CAS: 50-32-8



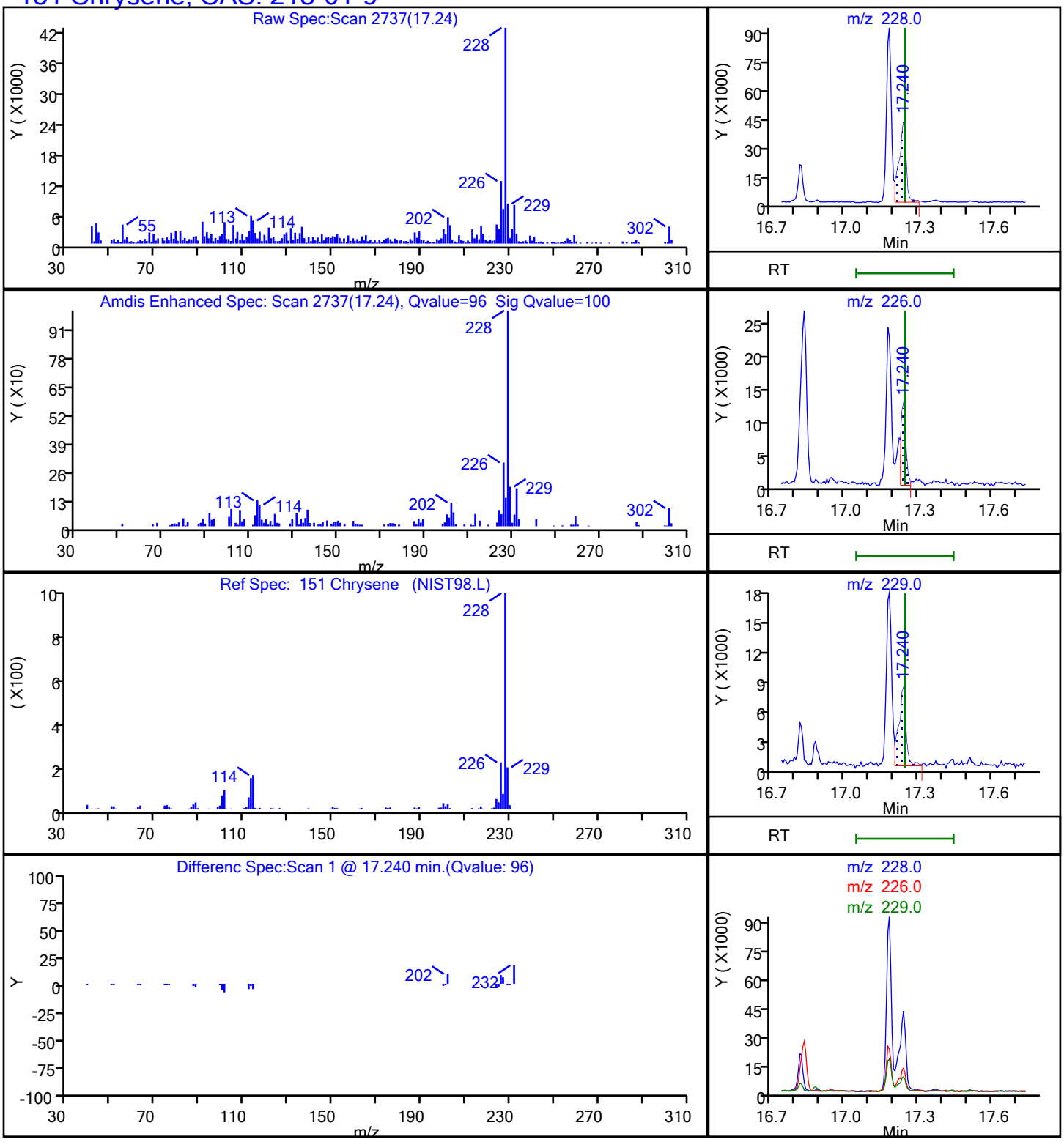
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Chrysene, CAS: 218-01-9



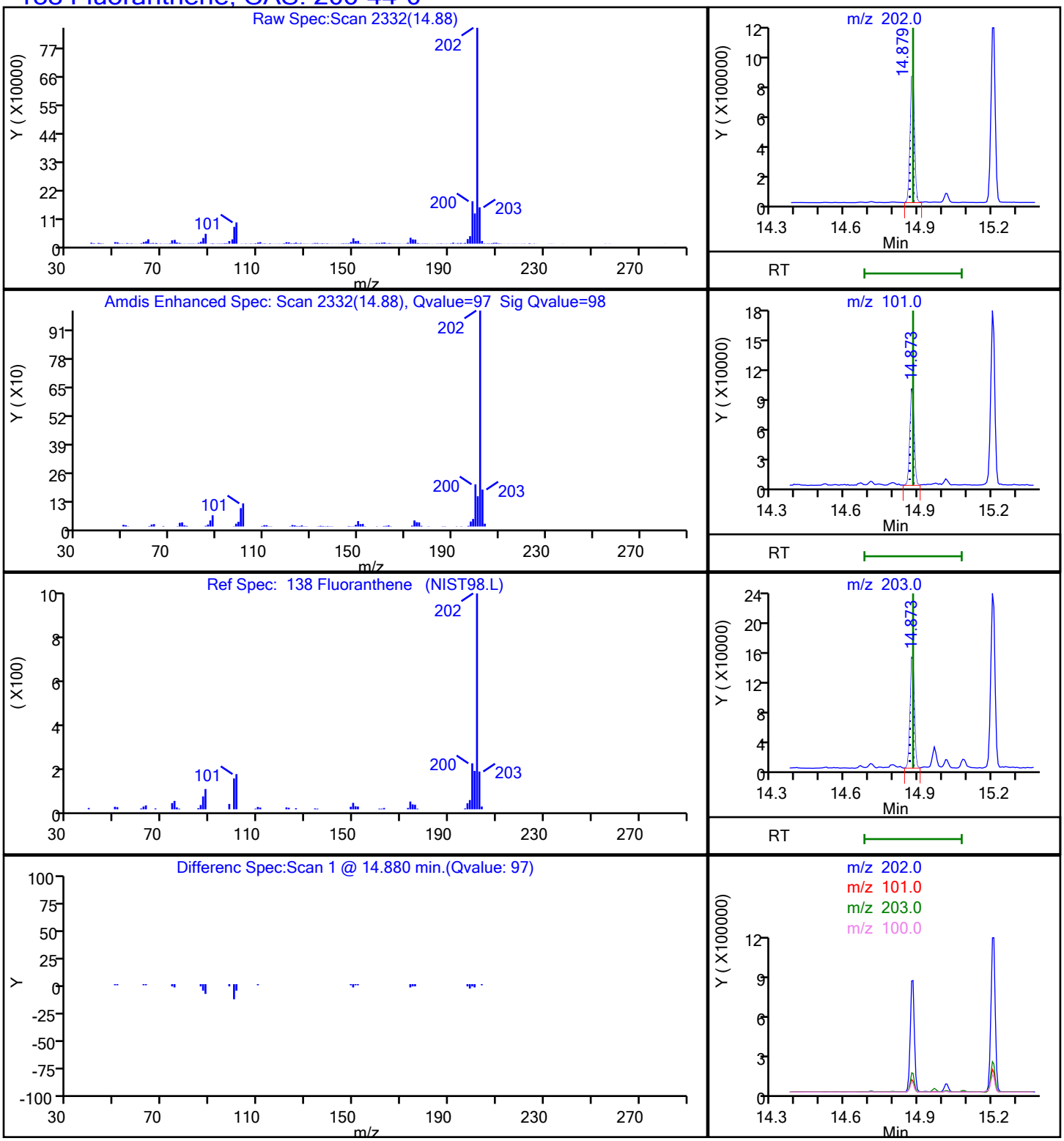
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

138 Fluoranthene, CAS: 206-44-0



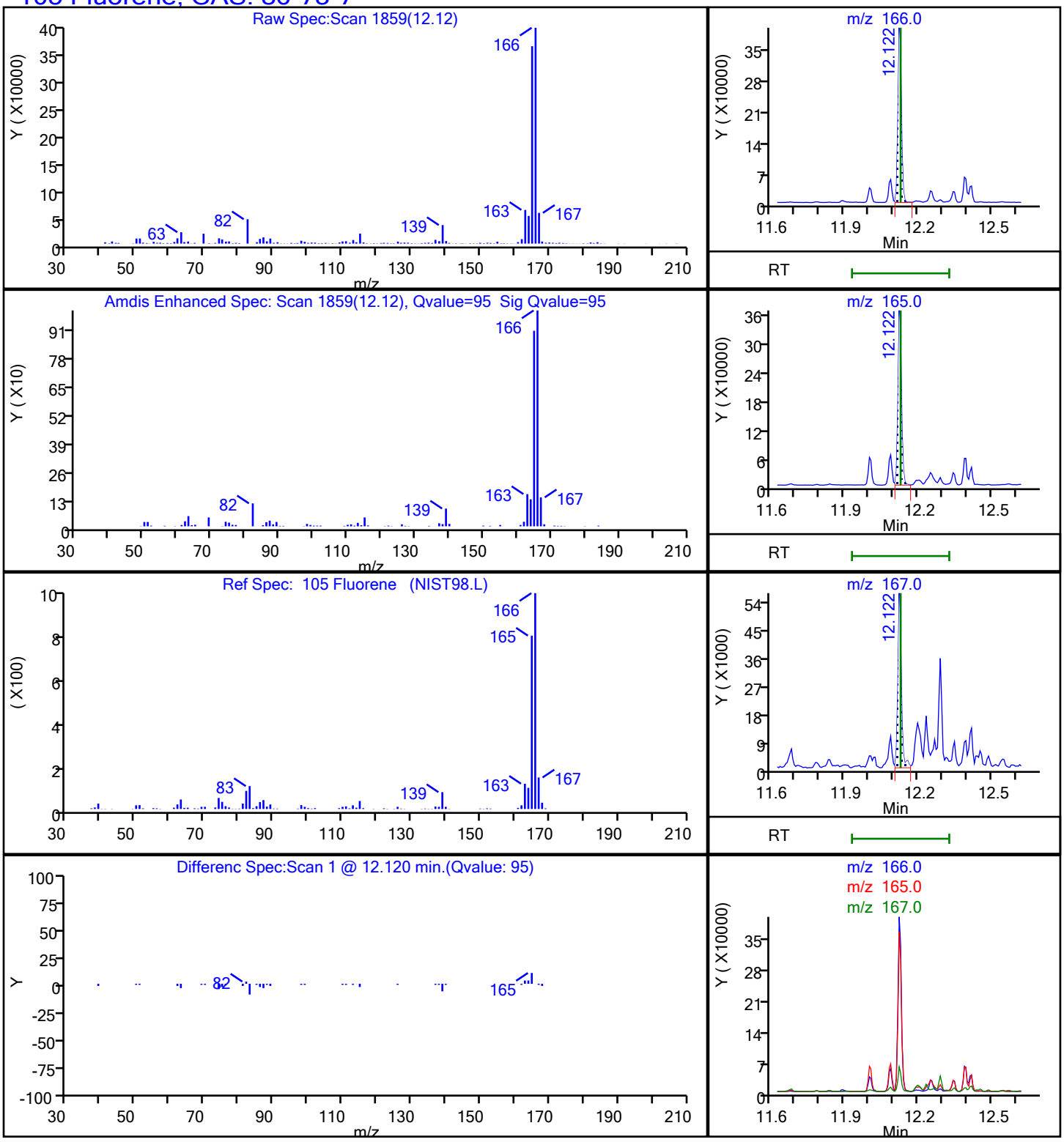
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

105 Fluorene, CAS: 86-73-7



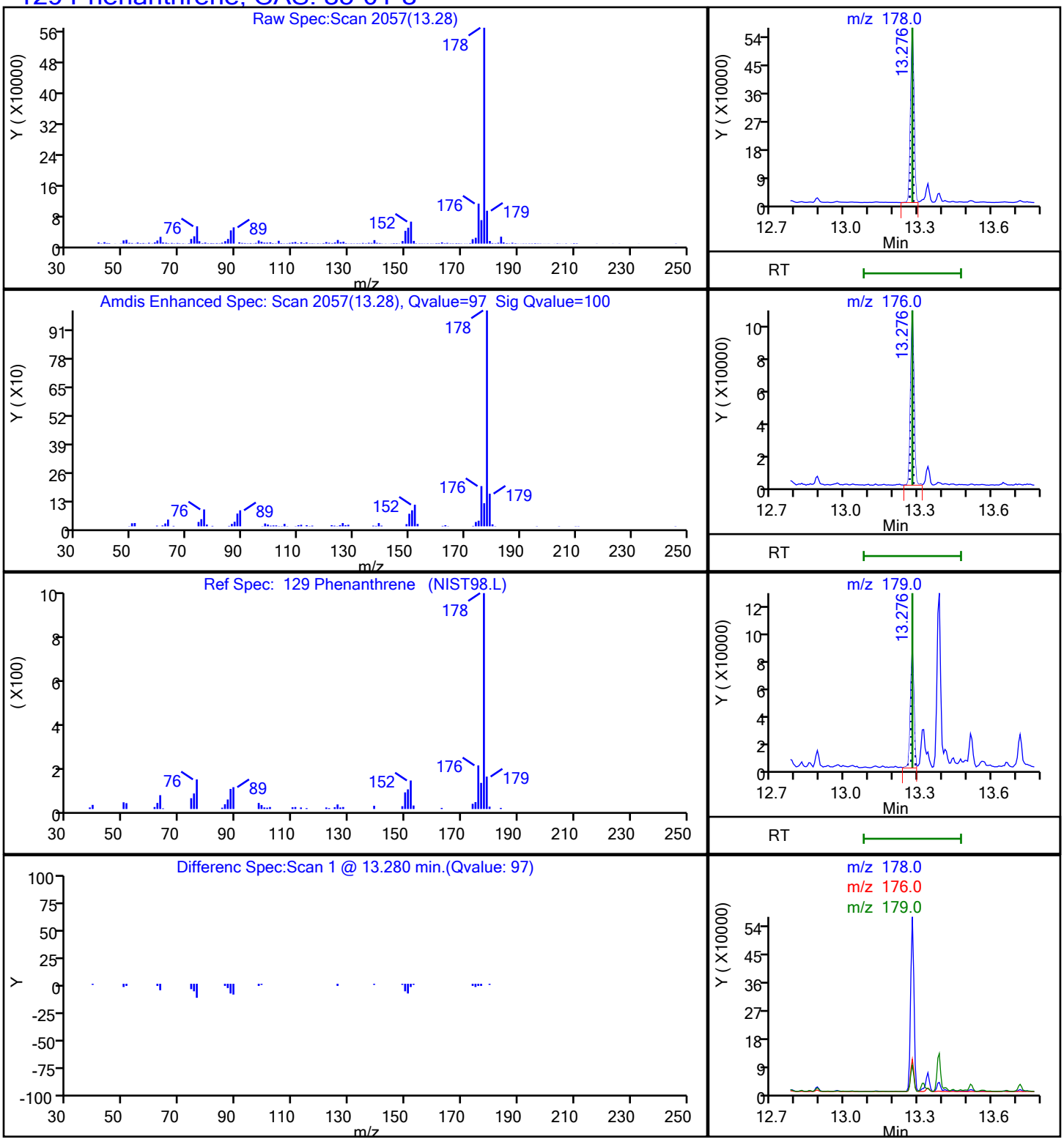
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Phenanthrene, CAS: 85-01-8



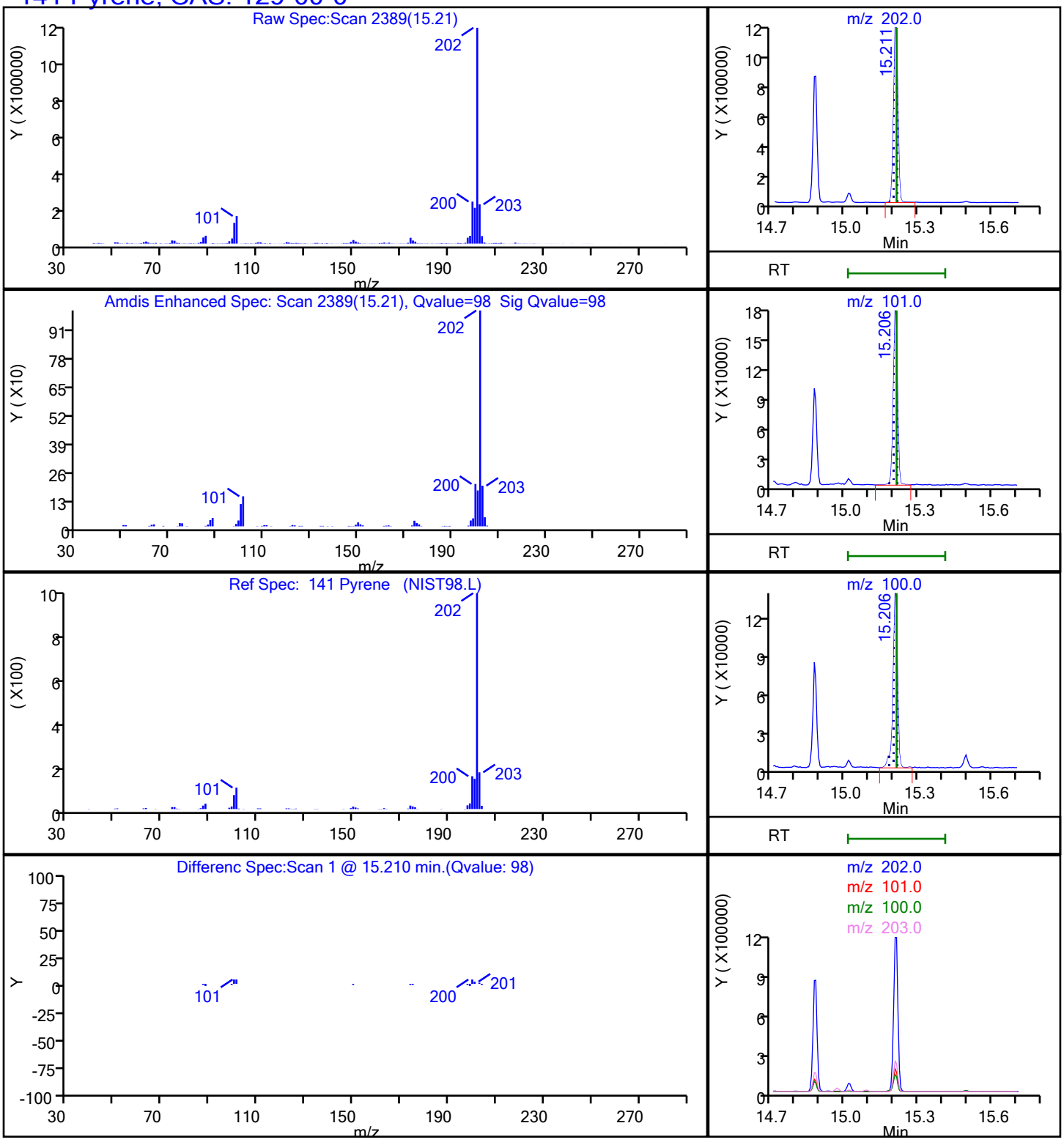
Report Date: 08-Jan-2021 02:44:58 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0319.D

Injection Date:	07-Jan-2021 18:52:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-17-A	Lab Sample ID:	410-25282-17		
Client ID:	MW-3-20201230				
Operator ID:	em10340	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-3-20201230 DL Lab Sample ID: 410-25282-17 DL

Matrix: Ground Water Lab File ID: HA0352.D

Analysis Method: 8270D Date Collected: 12/30/2020 10:37

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 249.7(mL) Date Analyzed: 01/08/2021 00:50

Con. Extract Vol.: 1(mL) Dilution Factor: 5

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	170		2.5	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	53		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	53		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	59		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0352.D
Lims ID: 410-25282-D-17-A DL
Client ID: MW-3-20201230
Sample Type: Client
Inject. Date: 08-Jan-2021 00:50:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-25282-D-17-A
Misc. Info.: 410-0019409-003
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 10:25:48 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1619

First Level Reviewer: beckk Date: 08-Jan-2021 10:25:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	207553	5.00	
$ 41 Nitrobenzene-d5	82	7.448	7.459	-0.011	91	154915	2.64	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	791965	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1470937	8.46	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	335936	2.66	
89 Acenaphthylene	152	11.114	11.114	0.000	97	57656	0.3878	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	383749	5.00	
93 Acenaphthene	153	11.394	11.400	-0.006	95	274717	2.48	
105 Fluorene	166	12.122	12.128	-0.006	96	71633	0.5959	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	763244	5.00	
129 Phenanthrene	178	13.276	13.282	-0.006	97	102605	0.5778	
130 Anthracene	178	13.341	13.346	-0.005	96	13353	0.0748	
138 Fluoranthene	202	14.874	14.879	-0.005	96	189913	0.9256	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	766580	5.00	
141 Pyrene	202	15.206	15.211	-0.005	98	276740	1.31	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	455263	2.96	
148 Benzo[a]anthracene	228	17.182	17.182	0.000	97	22349	0.1238	
151 Chrysene	228	17.240	17.246	-0.006	96	15315	0.0839	
155 Benzo[b]fluoranthene	252		19.018				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	796244	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.262				ND	
165 Benzo[g,h,i]perylene	276		21.576				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

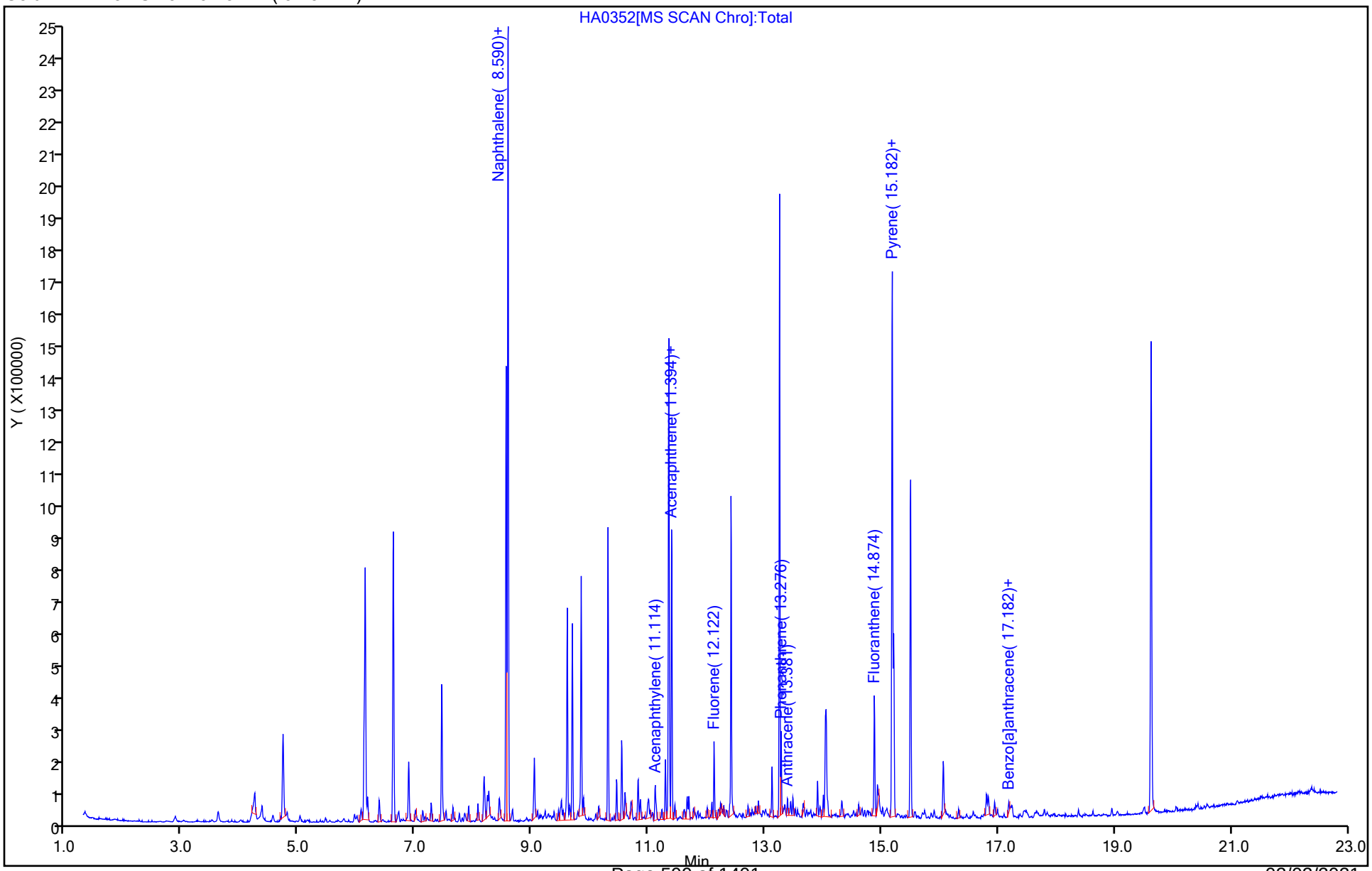
MSS_RV8270_2_00011 Amount Added: 1.00 Units: mL

Report Date: 08-Jan-2021 10:26:20 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0352.D				
Injection Date:	08-Jan-2021 00:50:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-17-A DL	Lab Sample ID:	410-25282-17	Worklist Smp#:	3
Client ID:	MW-3-20201230				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	3
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)

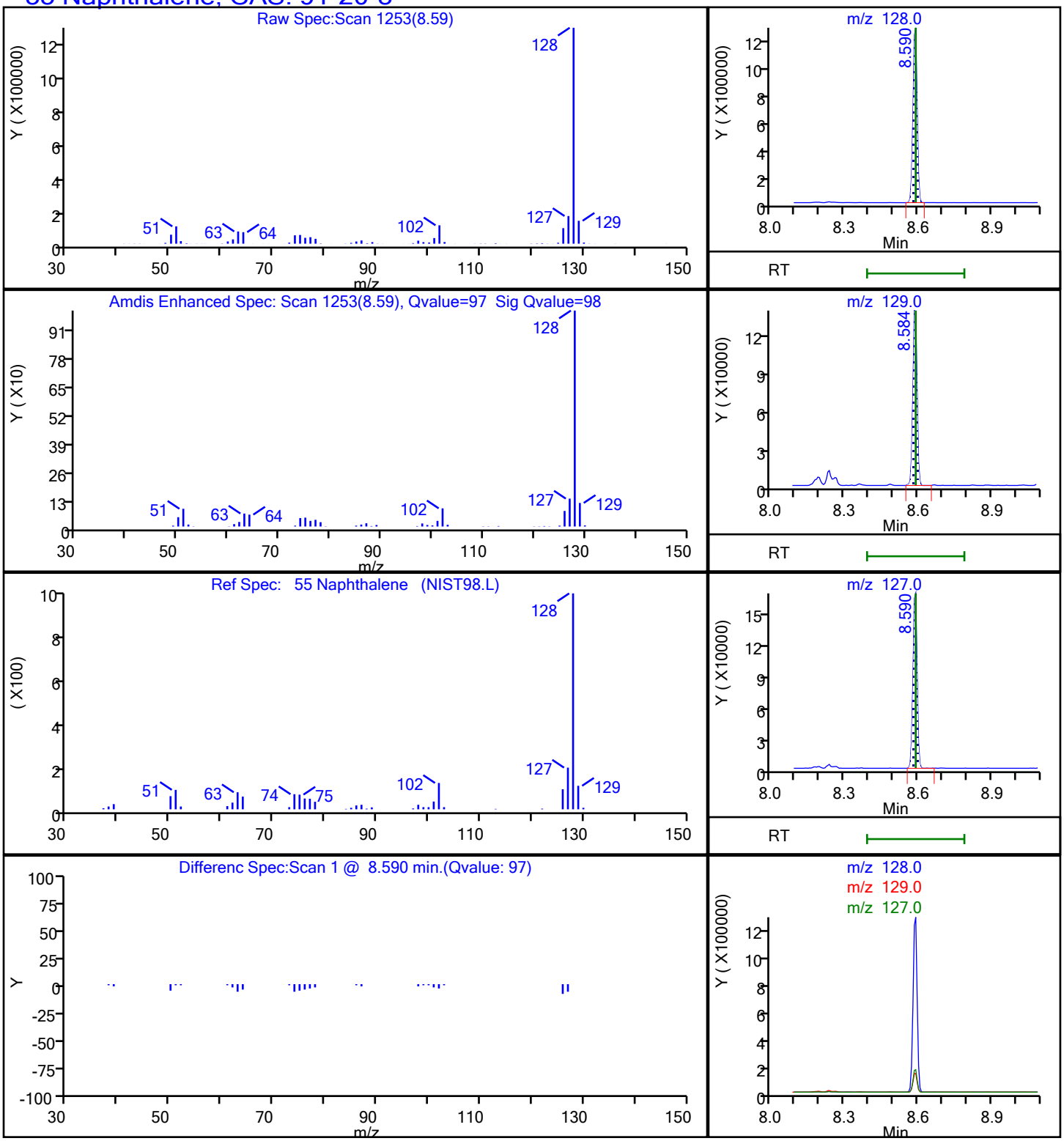


Report Date: 08-Jan-2021 10:26:20 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0352.D		
Injection Date:	08-Jan-2021 00:50:30	Instrument ID:	HP18831
Lims ID:	410-25282-D-17-A DL	Lab Sample ID:	410-25282-17
Client ID:	MW-3-20201230		
Operator ID:	sw30417	ALS Bottle#:	3 Worklist Smp#: 3
Injection Vol:	1.0 ul	Dil. Factor:	5.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

55 Naphthalene, CAS: 91-20-3



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-13D-20201230 Lab Sample ID: 410-25282-18

Matrix: Ground Water Lab File ID: HA0320.D

Analysis Method: 8270D Date Collected: 12/30/2020 11:26

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 247.5(mL) Date Analyzed: 01/07/2021 19:20

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82839 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.51	0.10
208-96-8	Acenaphthylene	ND		0.51	0.10
120-12-7	Anthracene	ND		0.51	0.10
56-55-3	Benzo[a]anthracene	ND		0.51	0.10
50-32-8	Benzo[a]pyrene	ND		0.51	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.51	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.51	0.10
218-01-9	Chrysene	ND		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.51	0.10
206-44-0	Fluoranthene	ND		0.51	0.10
86-73-7	Fluorene	ND		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.51	0.10
91-20-3	Naphthalene	ND		0.51	0.10
85-01-8	Phenanthrene	ND		0.51	0.10
129-00-0	Pyrene	ND		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	63		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	66		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0320.D
Lims ID: 410-25282-D-18-A
Client ID: MW-13D-20201230
Sample Type: Client
Inject. Date: 07-Jan-2021 19:20:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-18-A
Misc. Info.: 410-0019409-021
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:44:27 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: williamss Date: 08-Jan-2021 02:41:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	210262	5.00	
$ 41 Nitrobenzene-d5	82	7.453	7.459	-0.006	90	931533	15.8	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	797659	5.00	
55 Naphthalene	128		8.590				ND	7
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	1888979	14.6	
89 Acenaphthylene	152		11.114				ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	392687	5.00	
93 Acenaphthene	153		11.400				ND	
105 Fluorene	166		12.128				ND	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	772466	5.00	
129 Phenanthrene	178		13.276				ND	7
130 Anthracene	178		13.346				ND	7
138 Fluoranthene	202		14.879				ND	7
* 140 Pyrene-d10 (IS)	212	15.176	15.182	-0.006	100	763325	5.00	
141 Pyrene	202		15.211				ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2531487	16.5	
148 Benzo[a]anthracene	228		17.182				ND	
151 Chrysene	228		17.246				ND	
155 Benzo[b]fluoranthene	252		19.018				ND	
157 Benzo[k]fluoranthene	252		19.064				ND	
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	800835	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.262				ND	
165 Benzo[g,h,i]perylene	276		21.576				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

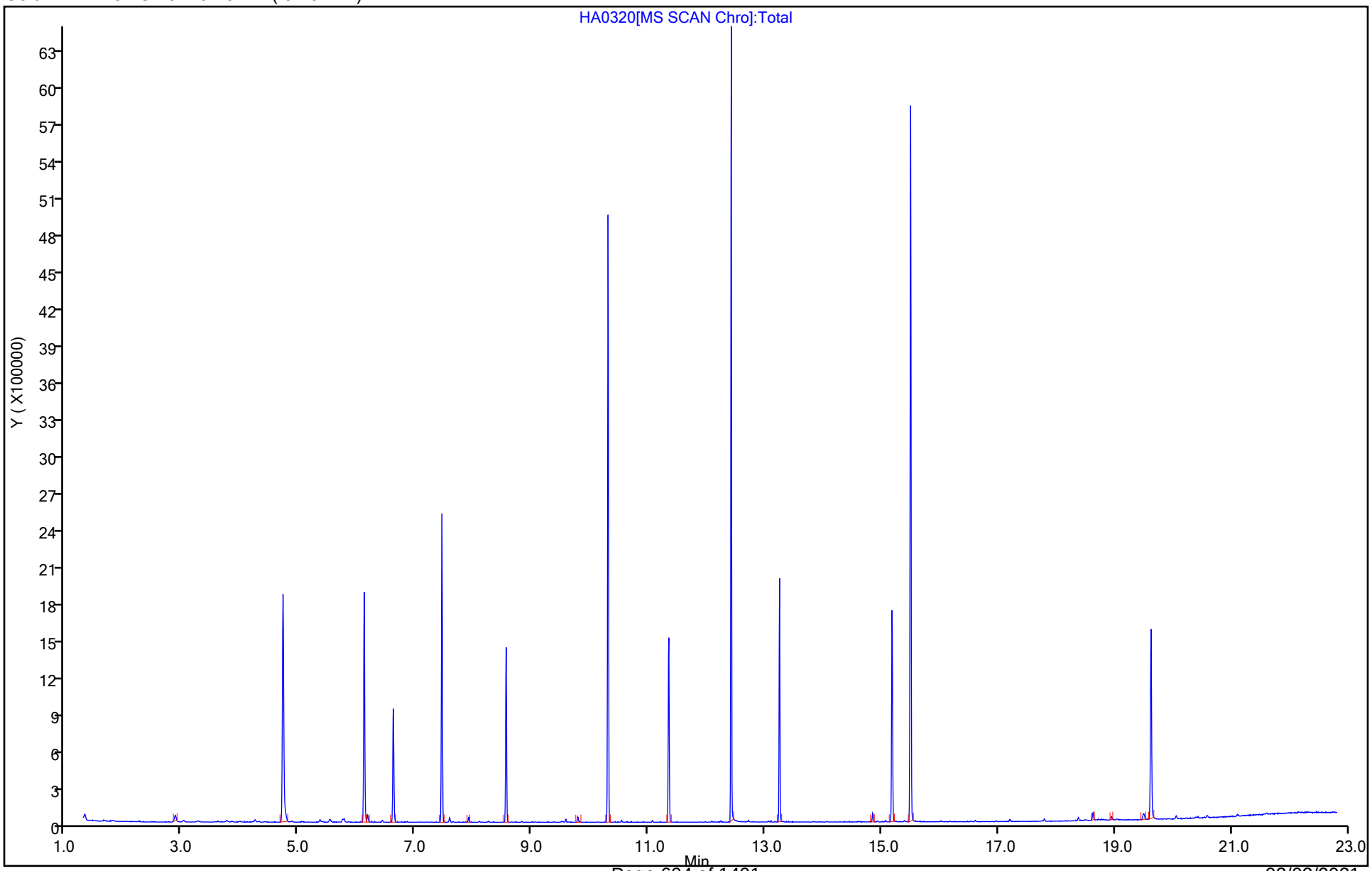
Report Date: 08-Jan-2021 02:45:00 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0320.D

Injection Date:	07-Jan-2021 19:20:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	410-25282-D-18-A	Lab Sample ID:	410-25282-18	Worklist Smp#:	21
Client ID:	MW-13D-20201230				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



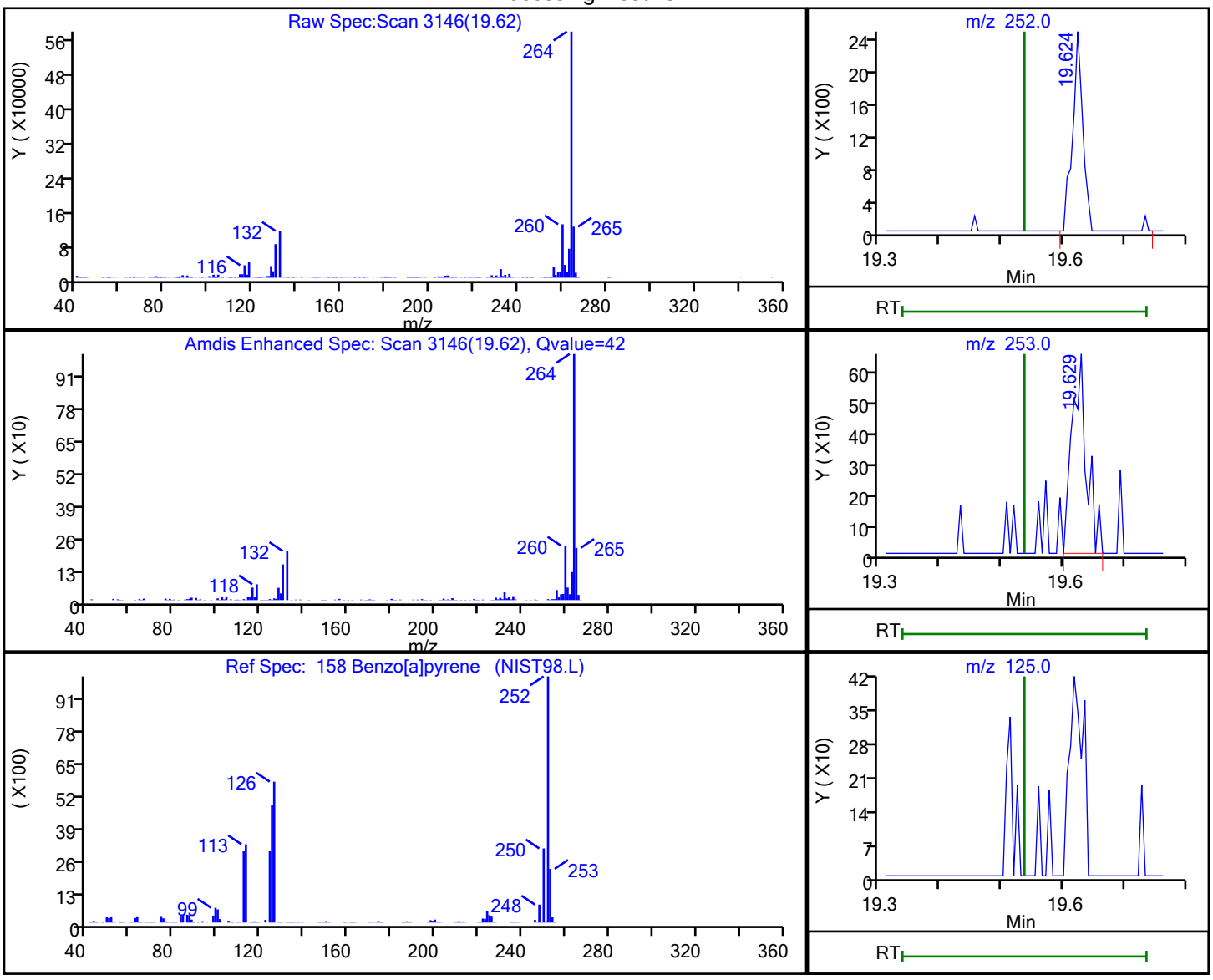
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0320.D				
Injection Date:	07-Jan-2021 19:20:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-18-A	Lab Sample ID:	410-25282-18		
Client ID:	MW-13D-20201230				
Operator ID:	em10340	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.62	252.00	2927	0.016060
19.63	253.00	1086	
19.54	125.00	0	

Reviewer: williamss, 08-Jan-2021 02:41:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-13S-20201230 Lab Sample ID: 410-25282-19

Matrix: Ground Water Lab File ID: HA0321.D

Analysis Method: 8270D Date Collected: 12/30/2020 12:05

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 248.8(mL) Date Analyzed: 01/07/2021 19:49

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82839 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	35		0.50	0.10
208-96-8	Acenaphthylene	1.5		0.50	0.10
120-12-7	Anthracene	7.3		0.50	0.10
56-55-3	Benzo[a]anthracene	1.3		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	1.0		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	7.0		0.50	0.10
86-73-7	Fluorene	14		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	61		0.50	0.10
85-01-8	Phenanthrene	45		0.50	0.10
129-00-0	Pyrene	9.3		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	51		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	52		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	51		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D
Lims ID: 410-25282-D-19-A
Client ID: MW-13S-20201230
Sample Type: Client
Inject. Date: 07-Jan-2021 19:49:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-19-A
Misc. Info.: 410-0019409-022
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:44:27 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: williamss Date: 08-Jan-2021 02:43:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	220133	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	779648	12.9	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	817000	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	2735550	15.3	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	1687396	12.9	
89 Acenaphthylene	152	11.114	11.114	0.000	98	57325	0.3727	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	98	397052	5.00	
93 Acenaphthene	153	11.400	11.399	0.000	94	996555	8.70	
105 Fluorene	166	12.122	12.128	-0.006	95	441311	3.55	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	784042	5.00	
129 Phenanthrene	178	13.276	13.271	0.000	97	2052145	11.3	
130 Anthracene	178	13.341	13.340	-0.005	96	331641	1.81	
138 Fluoranthene	202	14.873	14.873	-0.006	97	368375	1.75	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	789215	5.00	
141 Pyrene	202	15.206	15.211	-0.005	98	502578	2.30	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2012510	12.7	
148 Benzo[a]anthracene	228	17.182	17.175	0.000	98	59073	0.3179	
151 Chrysene	228	17.240	17.239	-0.006	97	47314	0.2519	
155 Benzo[b]fluoranthene	252	19.018	19.017	0.000	94	3855	0.0189	
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252	19.525	19.536	-0.011	71	4498	0.0241	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	820285	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.262				ND	
165 Benzo[g,h,i]perylene	276		21.576				ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

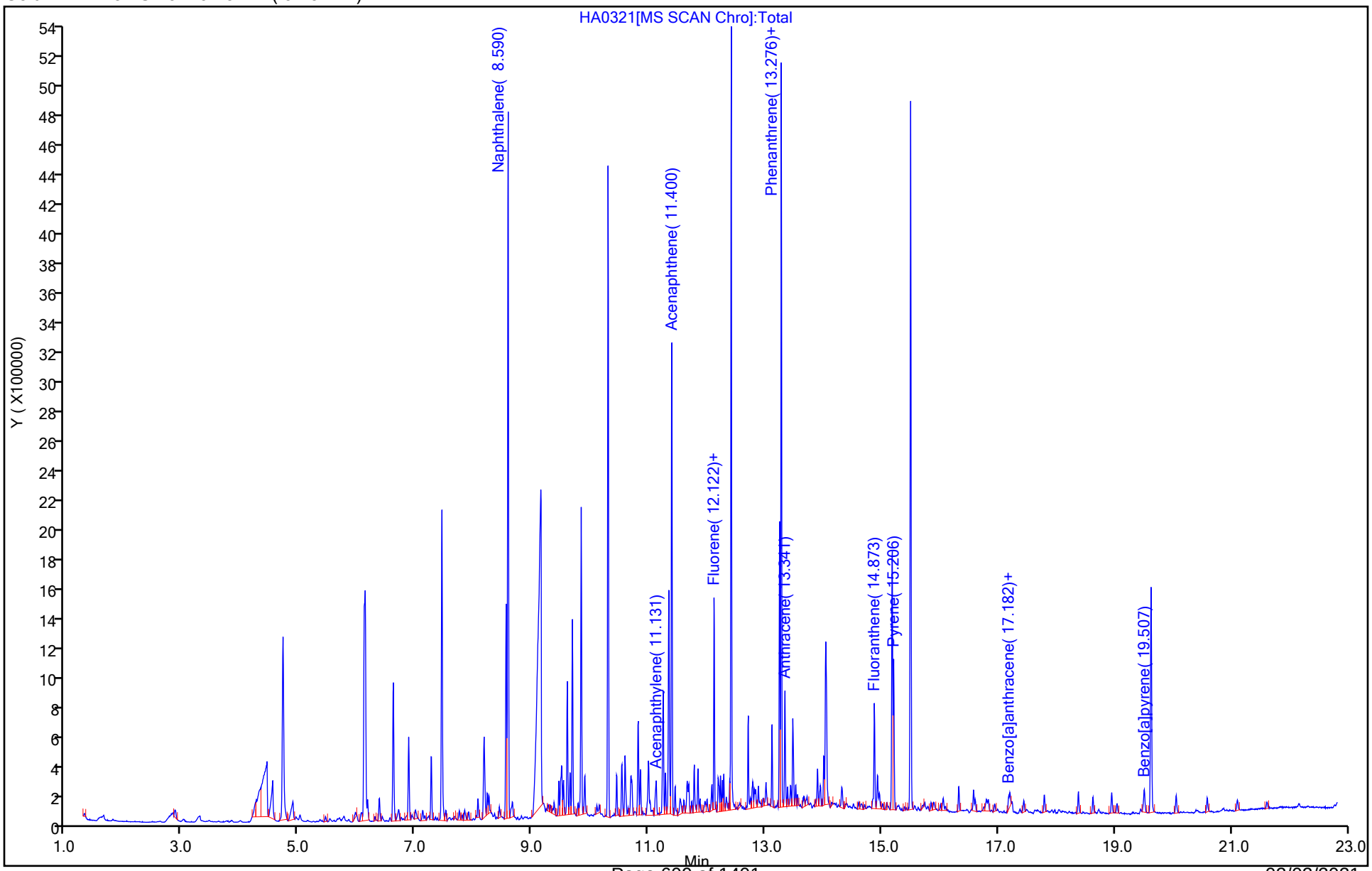
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19	Worklist Smp#:	22
Client ID:	MW-13S-20201230				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



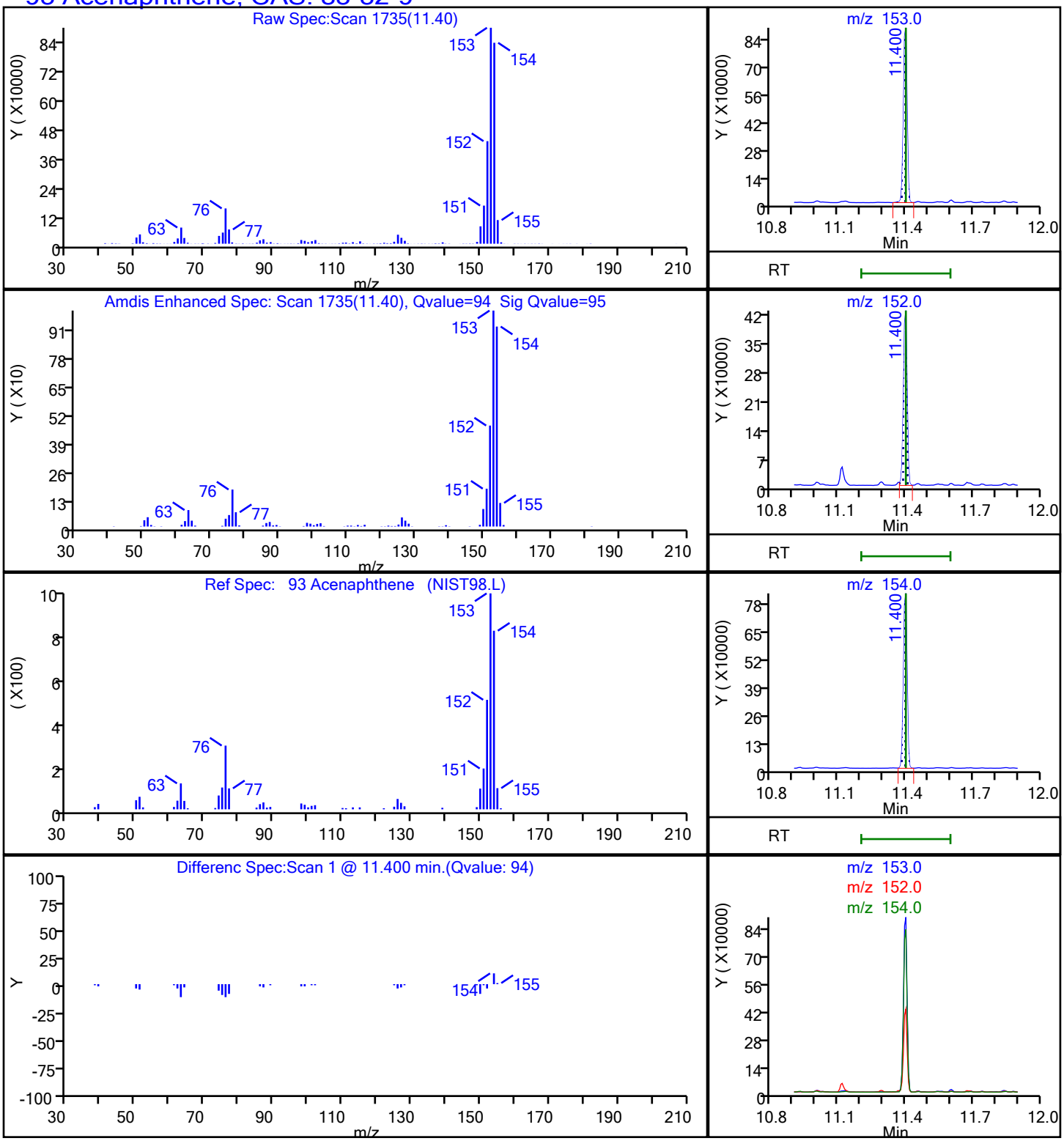
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

93 Acenaphthene, CAS: 83-32-9



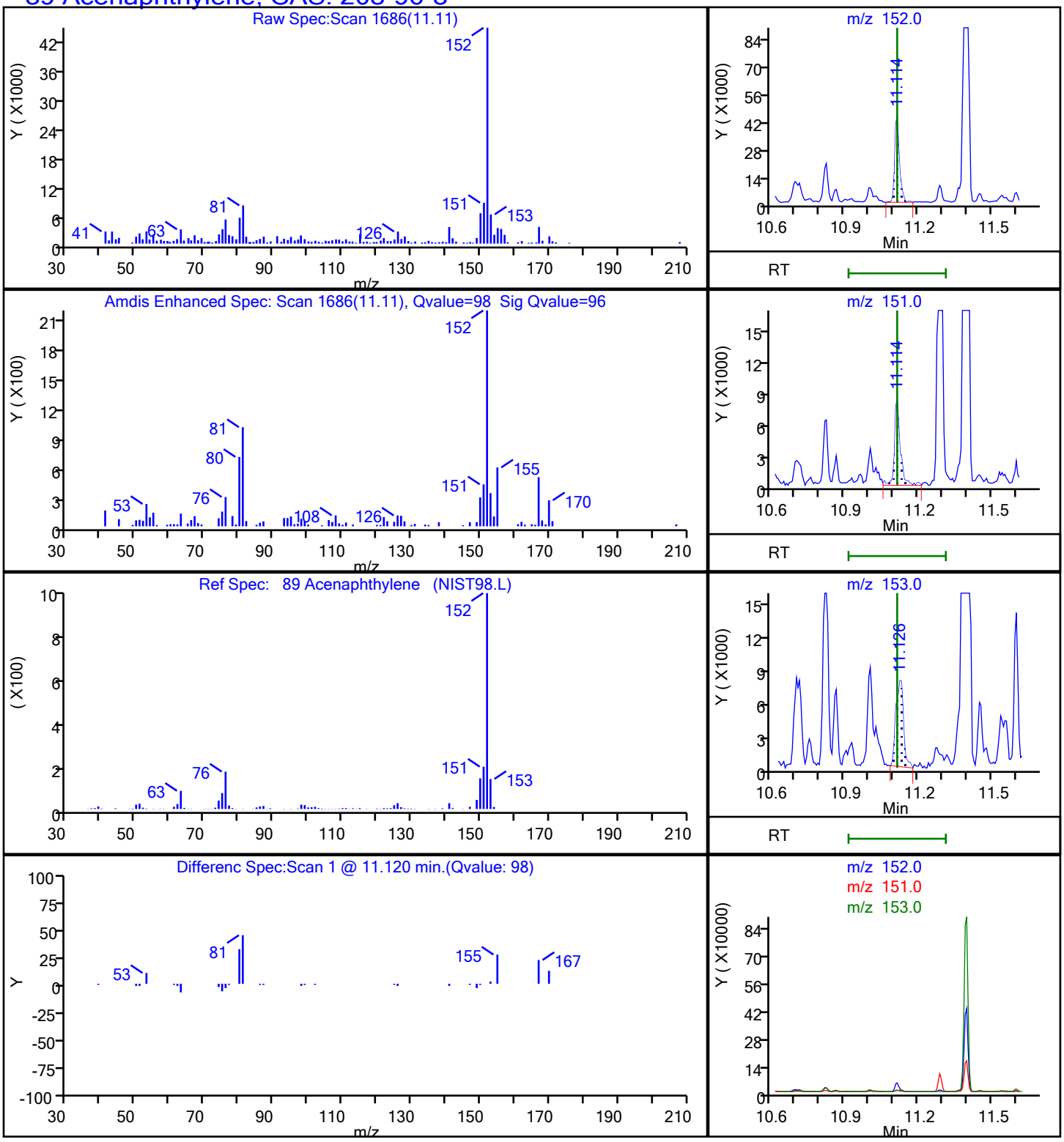
Report Date: 08-Jan-2021 02:45:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

89 Acenaphthylene, CAS: 208-96-8



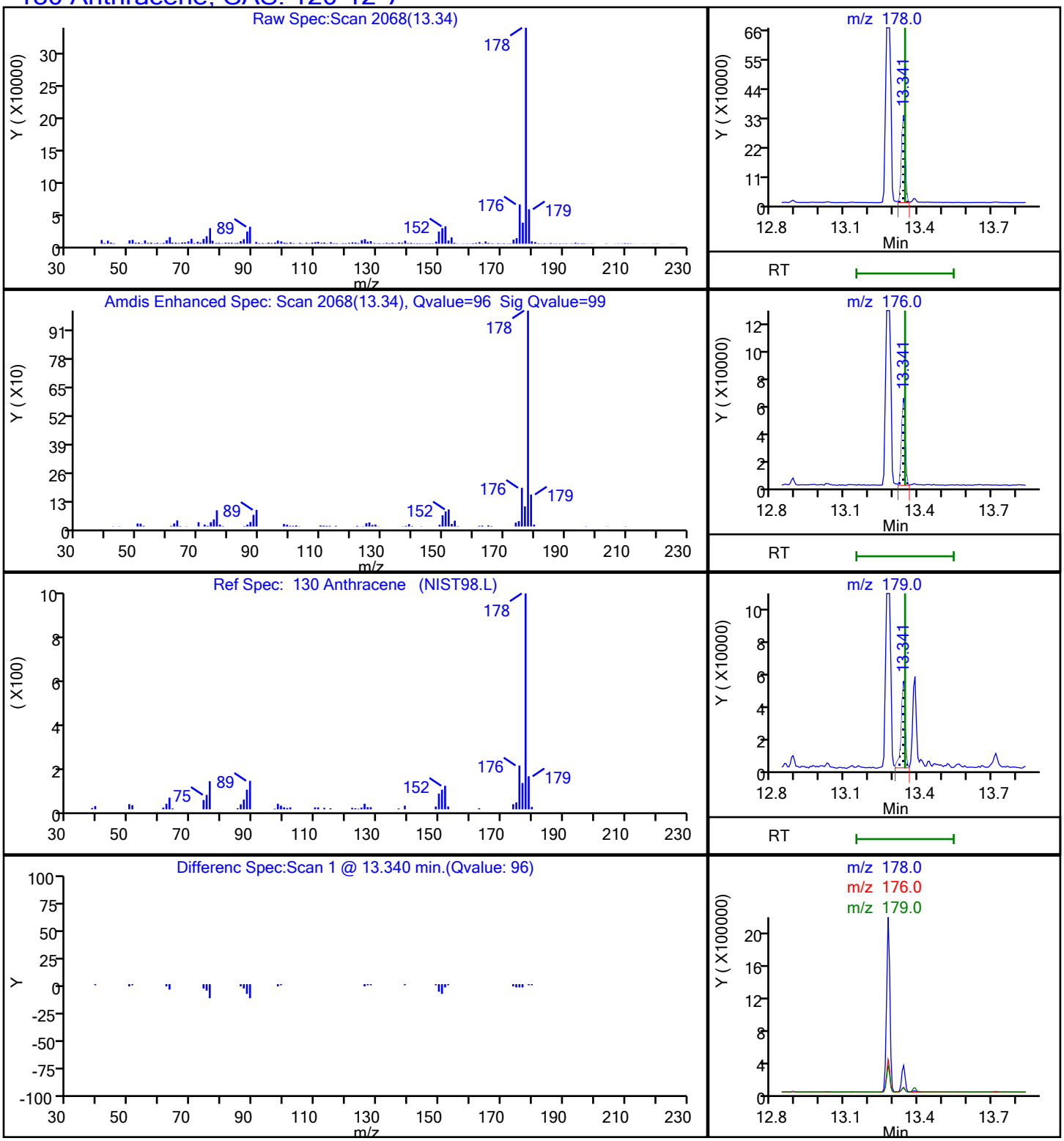
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

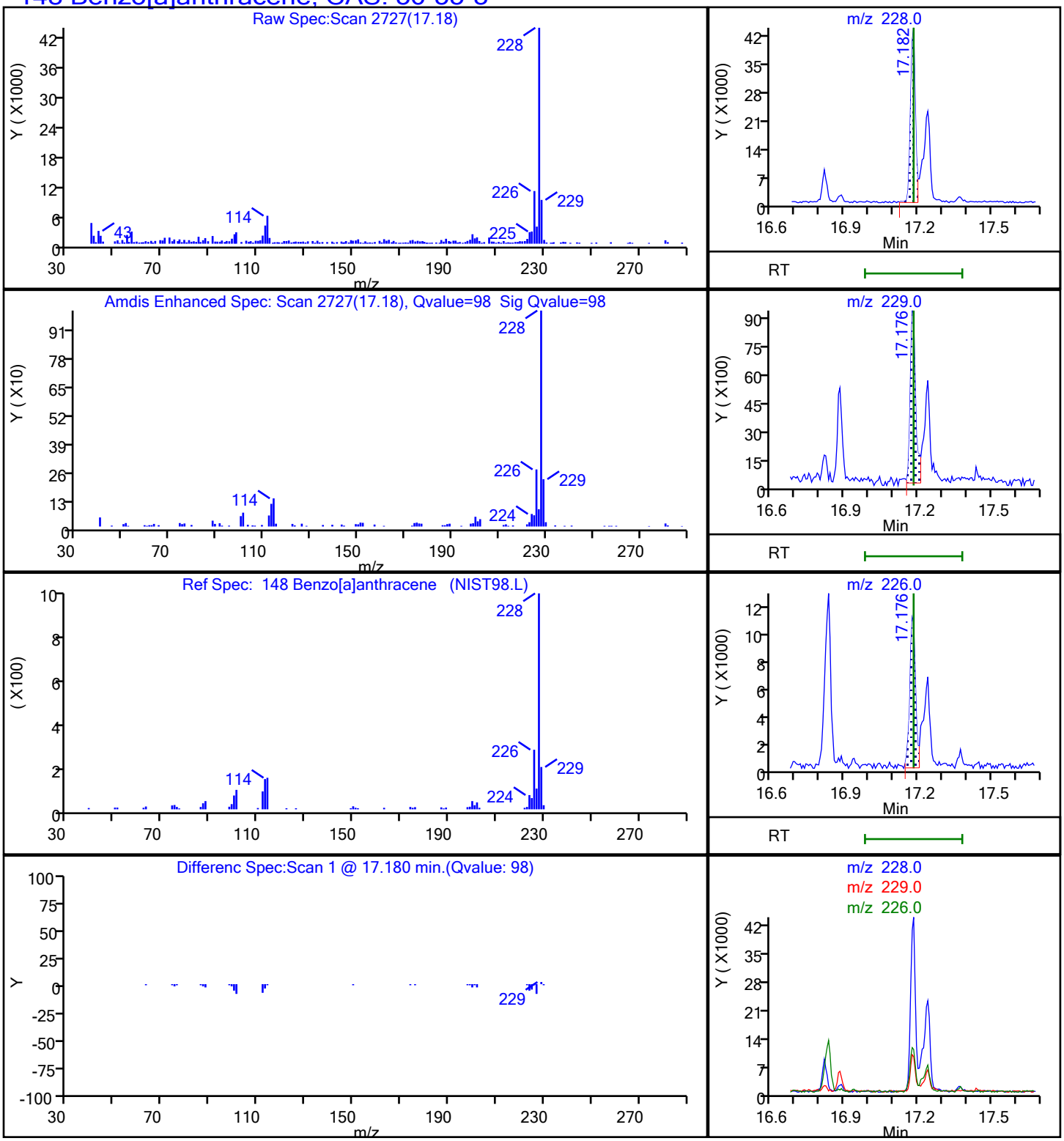
130 Anthracene, CAS: 120-12-7



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D		
Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19
Client ID:	MW-13S-20201230		
Operator ID:	em10340	ALS Bottle#:	22 Worklist Smp#: 22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

148 Benzo[a]anthracene, CAS: 56-55-3



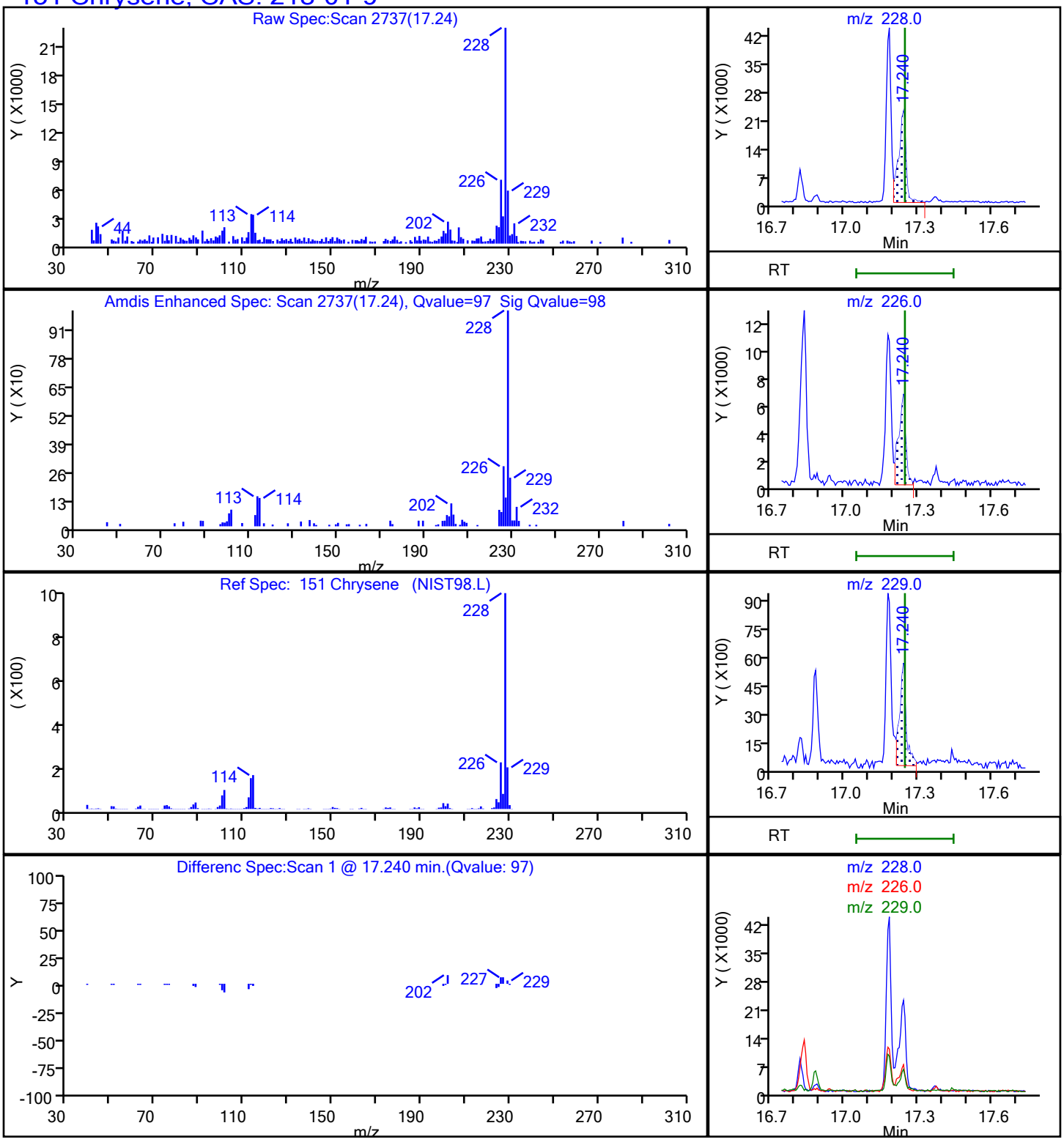
Report Date: 08-Jan-2021 02:45:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Chrysene, CAS: 218-01-9



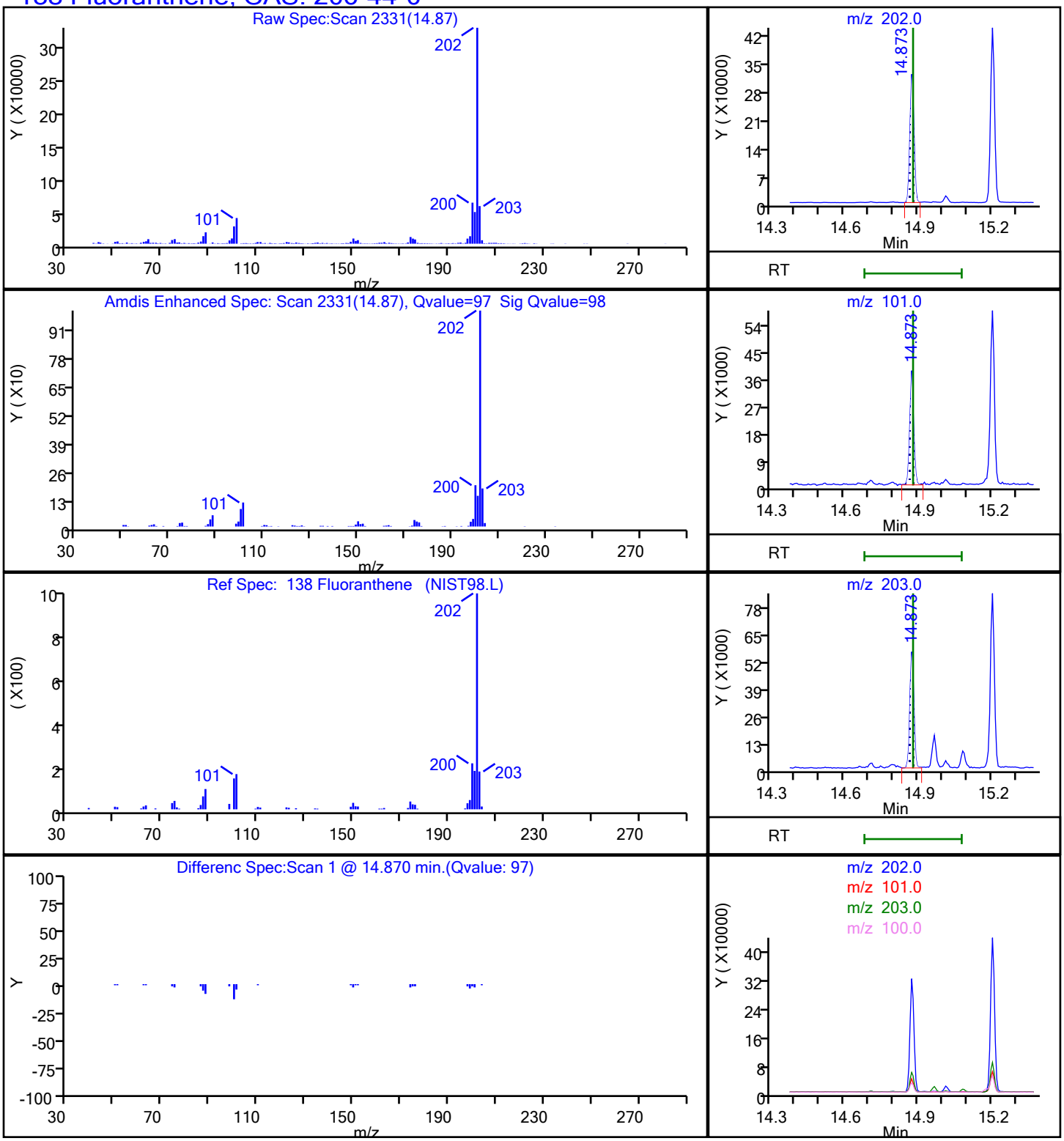
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

138 Fluoranthene, CAS: 206-44-0



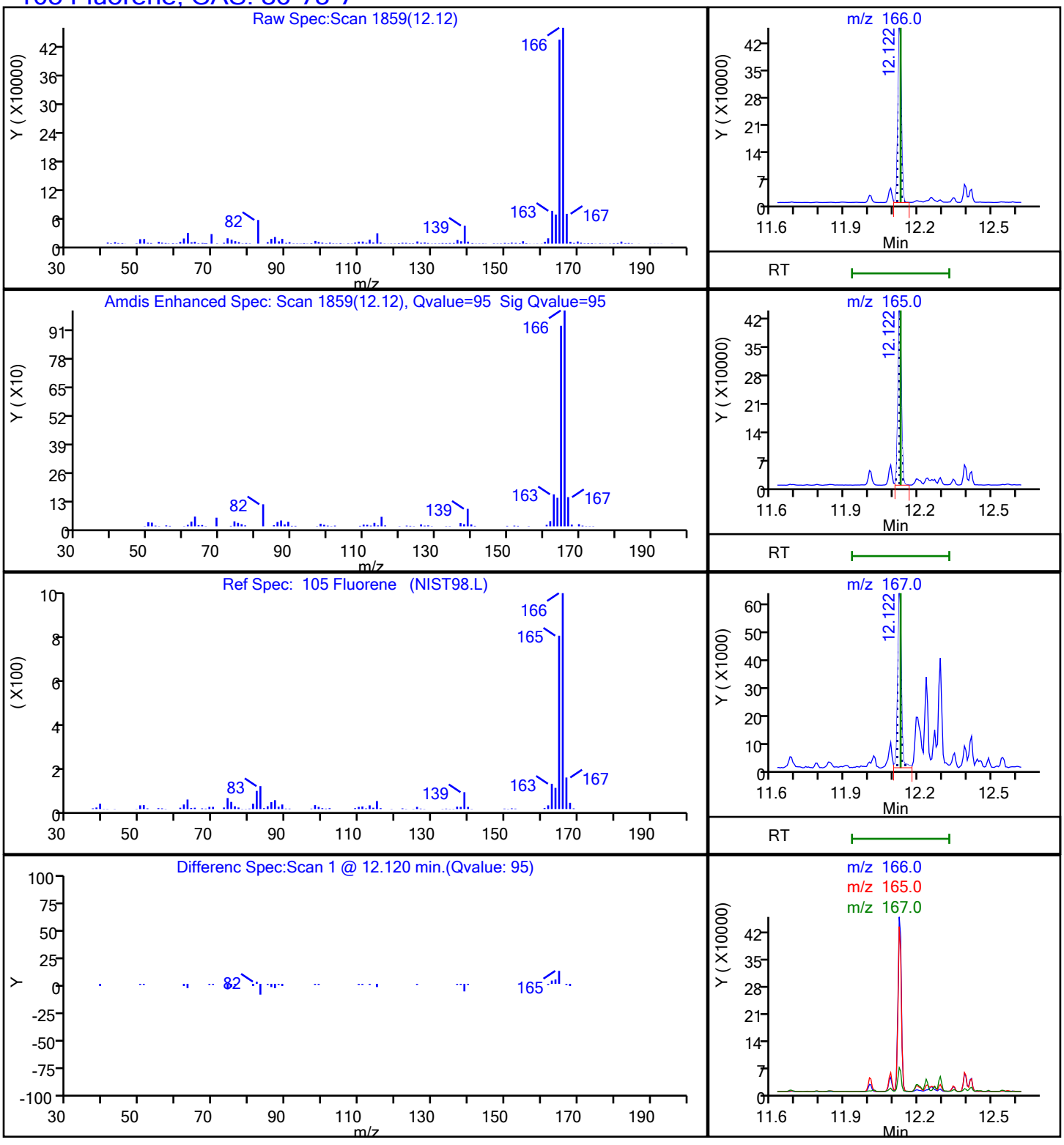
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

105 Fluorene, CAS: 86-73-7



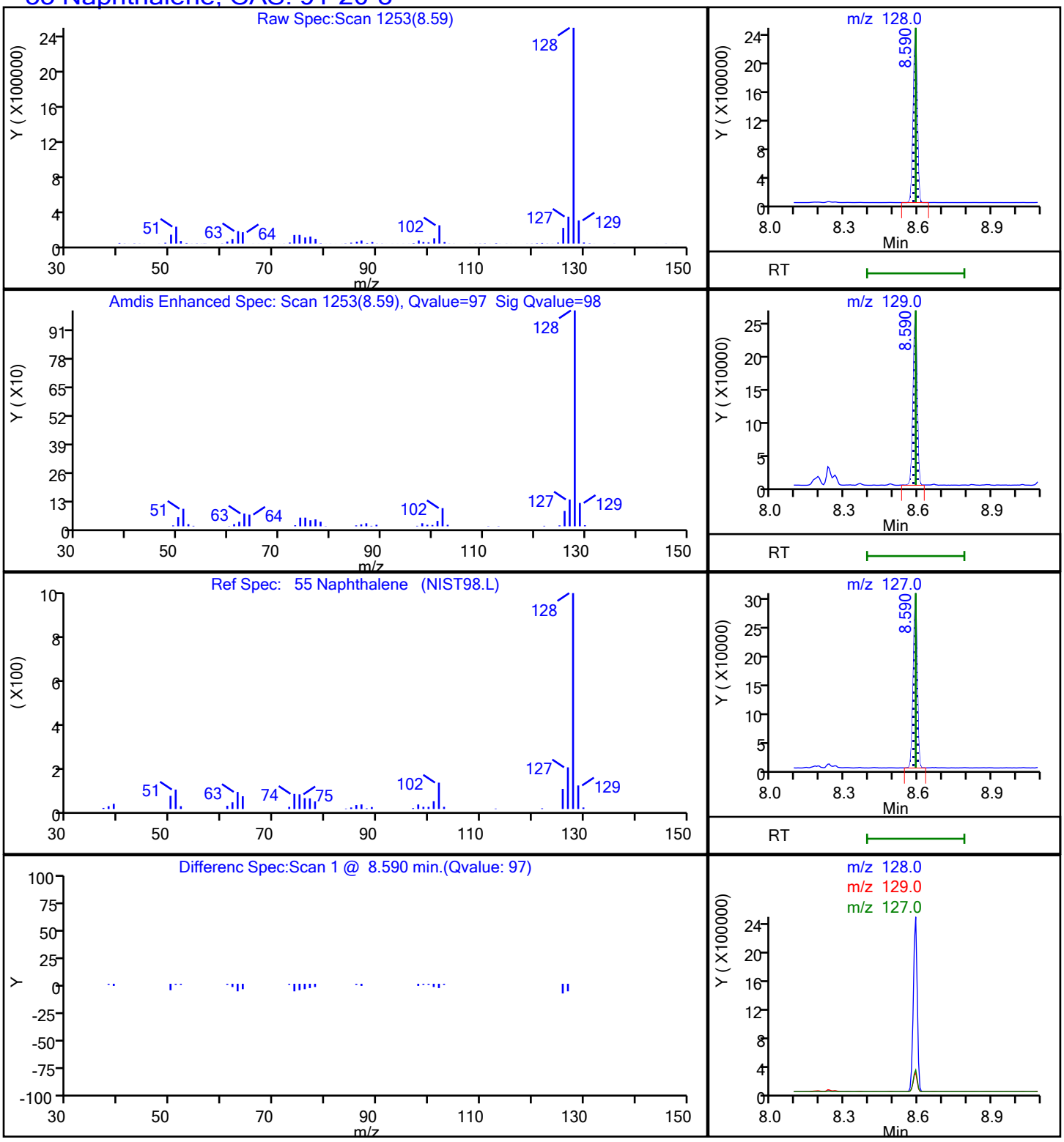
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

55 Naphthalene, CAS: 91-20-3



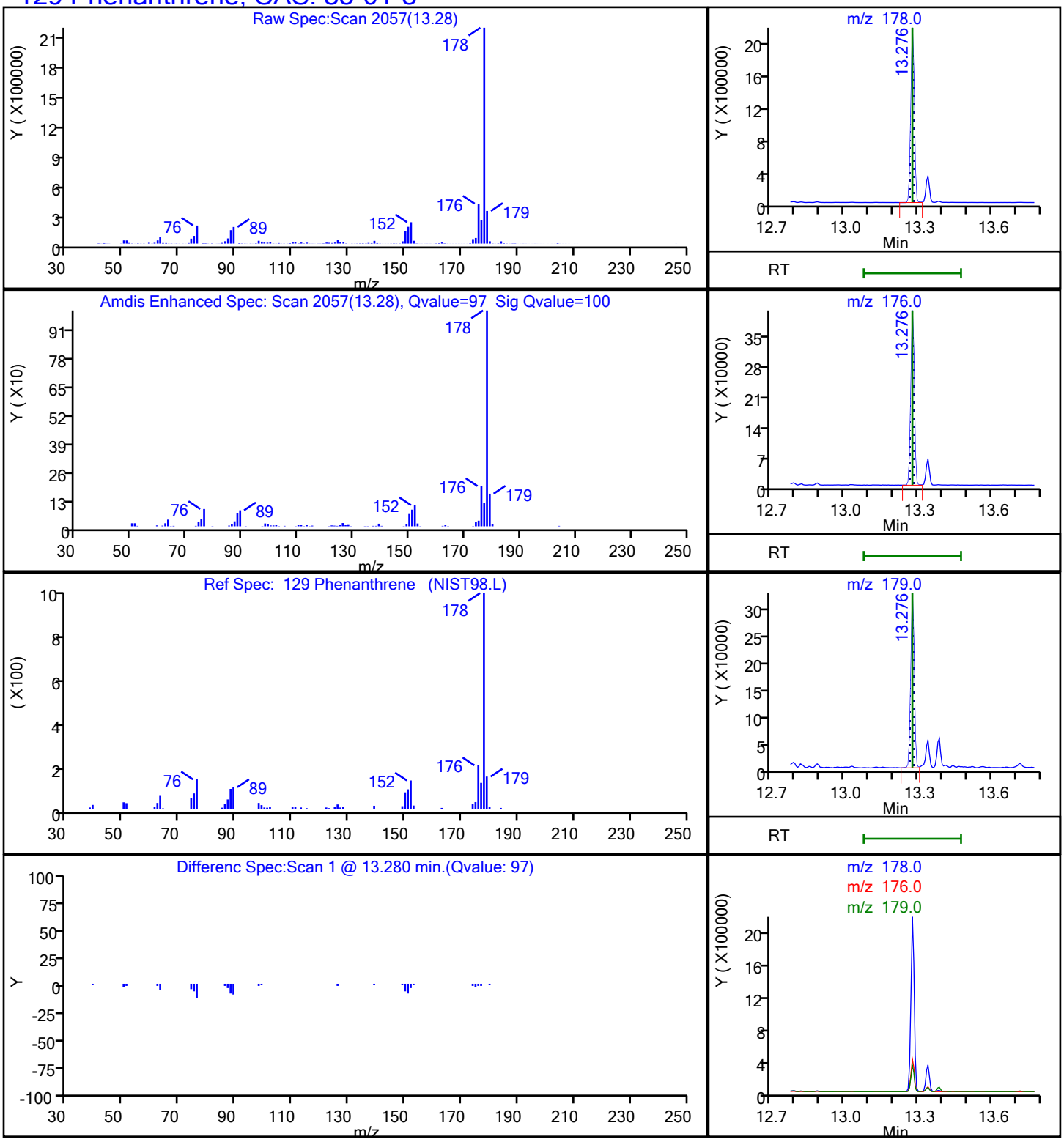
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Phenanthrene, CAS: 85-01-8



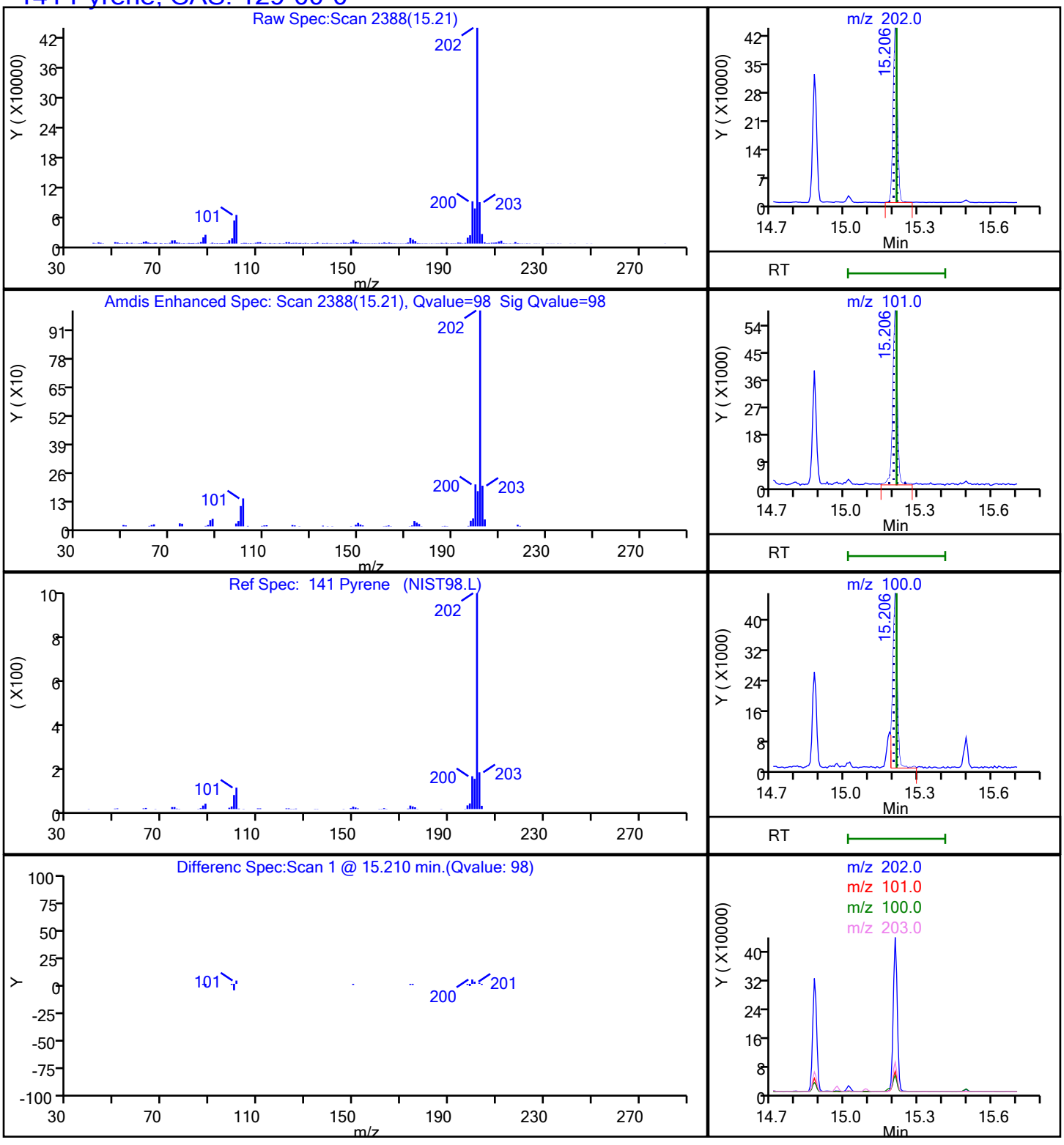
Report Date: 08-Jan-2021 02:45:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0321.D

Injection Date:	07-Jan-2021 19:49:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-19-A	Lab Sample ID:	410-25282-19		
Client ID:	MW-13S-20201230				
Operator ID:	em10340	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Pyrene, CAS: 129-00-0



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: DUP-20201230 Lab Sample ID: 410-25282-20

Matrix: Ground Water Lab File ID: HA0322.D

Analysis Method: 8270D Date Collected: 12/30/2020 00:00

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 250.2(mL) Date Analyzed: 01/07/2021 20:17

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82839 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	53		0.50	0.10
208-96-8	Acenaphthylene	8.7		0.50	0.10
120-12-7	Anthracene	1.6		0.50	0.10
56-55-3	Benzo[a]anthracene	2.8		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	1.8		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	21		0.50	0.10
86-73-7	Fluorene	13		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
85-01-8	Phenanthrene	13		0.50	0.10
129-00-0	Pyrene	28		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	62		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	62		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D
Lims ID: 410-25282-D-20-A
Client ID: DUP-20201230
Sample Type: Client
Inject. Date: 07-Jan-2021 20:17:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-20-A
Misc. Info.: 410-0019409-023
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:44:27 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: williamss Date: 07-Jan-2021 21:59:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	214779	5.00	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	91	924988	15.6	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	803568	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	8096545	45.9	E
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	1931088	14.6	
89 Acenaphthylene	152	11.114	11.114	0.000	98	337220	2.17	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	400607	5.00	
93 Acenaphthene	153	11.400	11.399	0.000	95	1529518	13.2	
105 Fluorene	166	12.122	12.128	-0.006	95	418309	3.33	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	785352	5.00	
129 Phenanthrene	178	13.276	13.271	0.000	97	573025	3.14	
130 Anthracene	178	13.340	13.340	-0.006	95	74568	0.4057	
138 Fluoranthene	202	14.879	14.873	0.000	97	1087832	5.15	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	801705	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	1560044	7.04	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	99	2509356	15.6	
148 Benzo[a]anthracene	228	17.176	17.175	-0.006	98	130960	0.6937	
151 Chrysene	228	17.240	17.239	-0.006	96	84988	0.4454	
155 Benzo[b]fluoranthene	252		19.018				ND	7
157 Benzo[k]fluoranthene	252		19.064				ND	7
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	99	853855	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.262				ND	7
165 Benzo[g,h,i]perylene	276		21.576				ND	7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

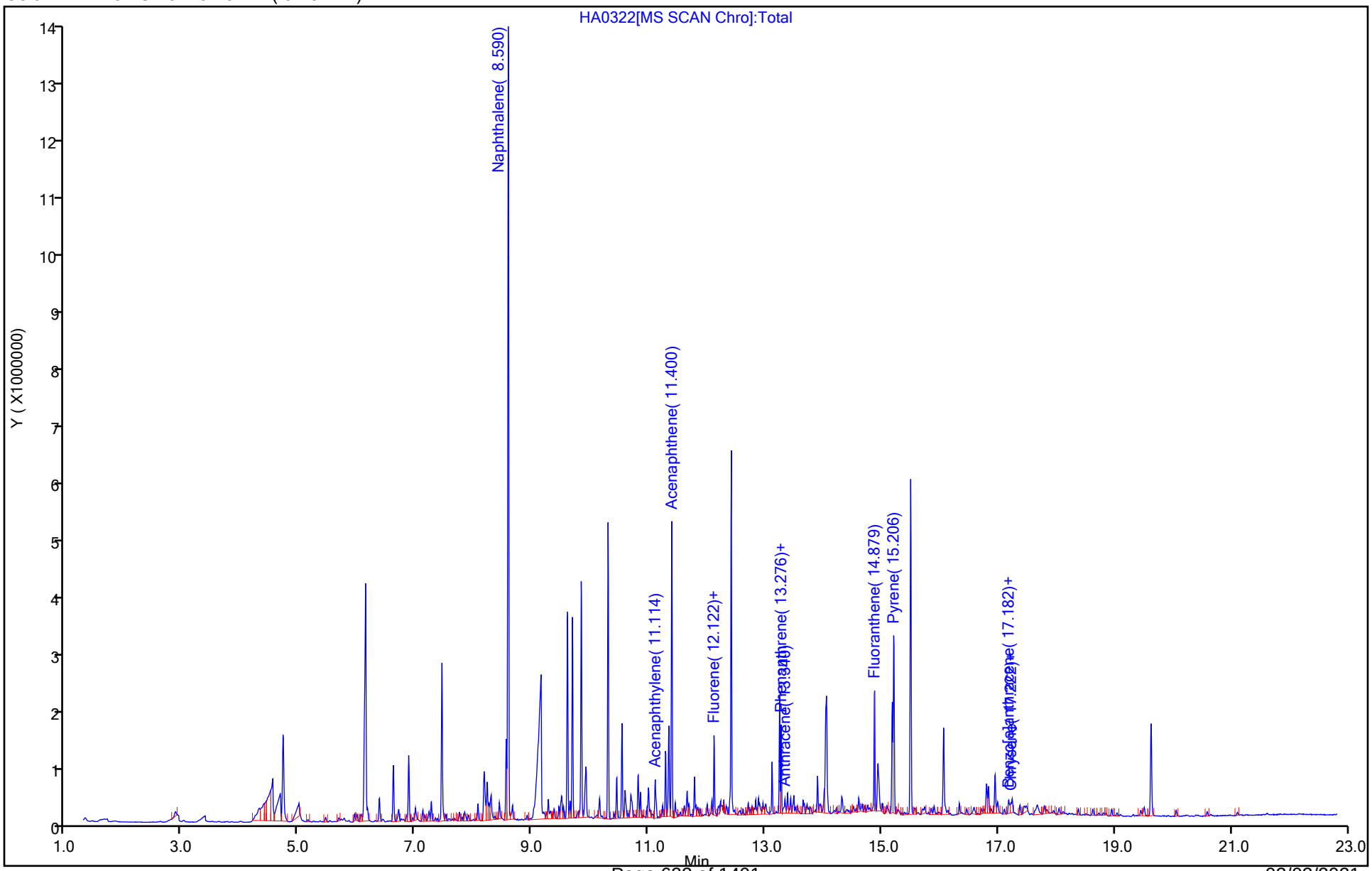
Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D

Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20	Worklist Smp#:	23
Client ID:	DUP-20201230				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



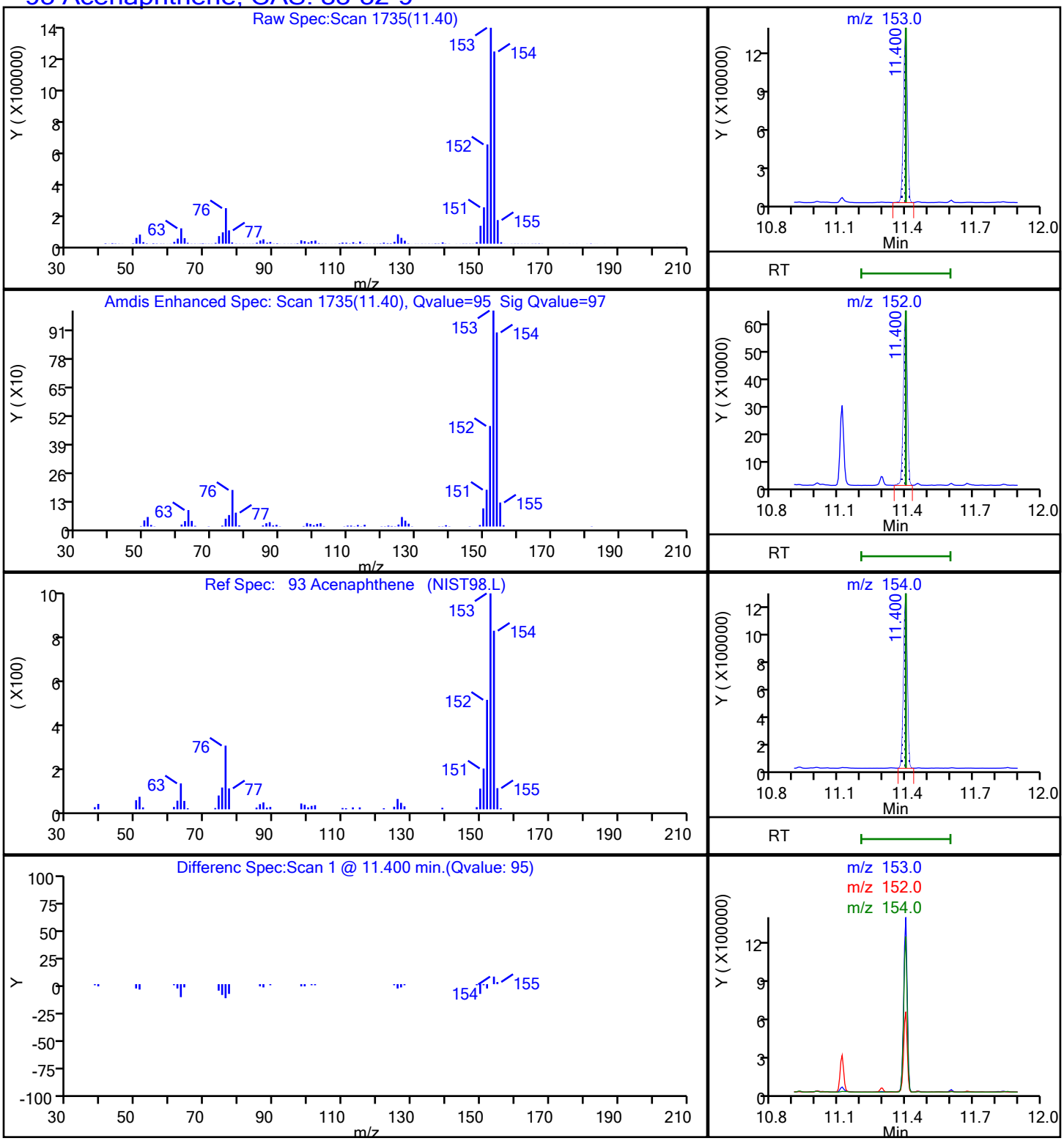
Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D

Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	em10340	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

93 Acenaphthene, CAS: 83-32-9



Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D

Injection Date: 07-Jan-2021 20:17:30 Instrument ID: HP18831

Lims ID: 410-25282-D-20-A Lab Sample ID: 410-25282-20

Client ID: DUP-20201230

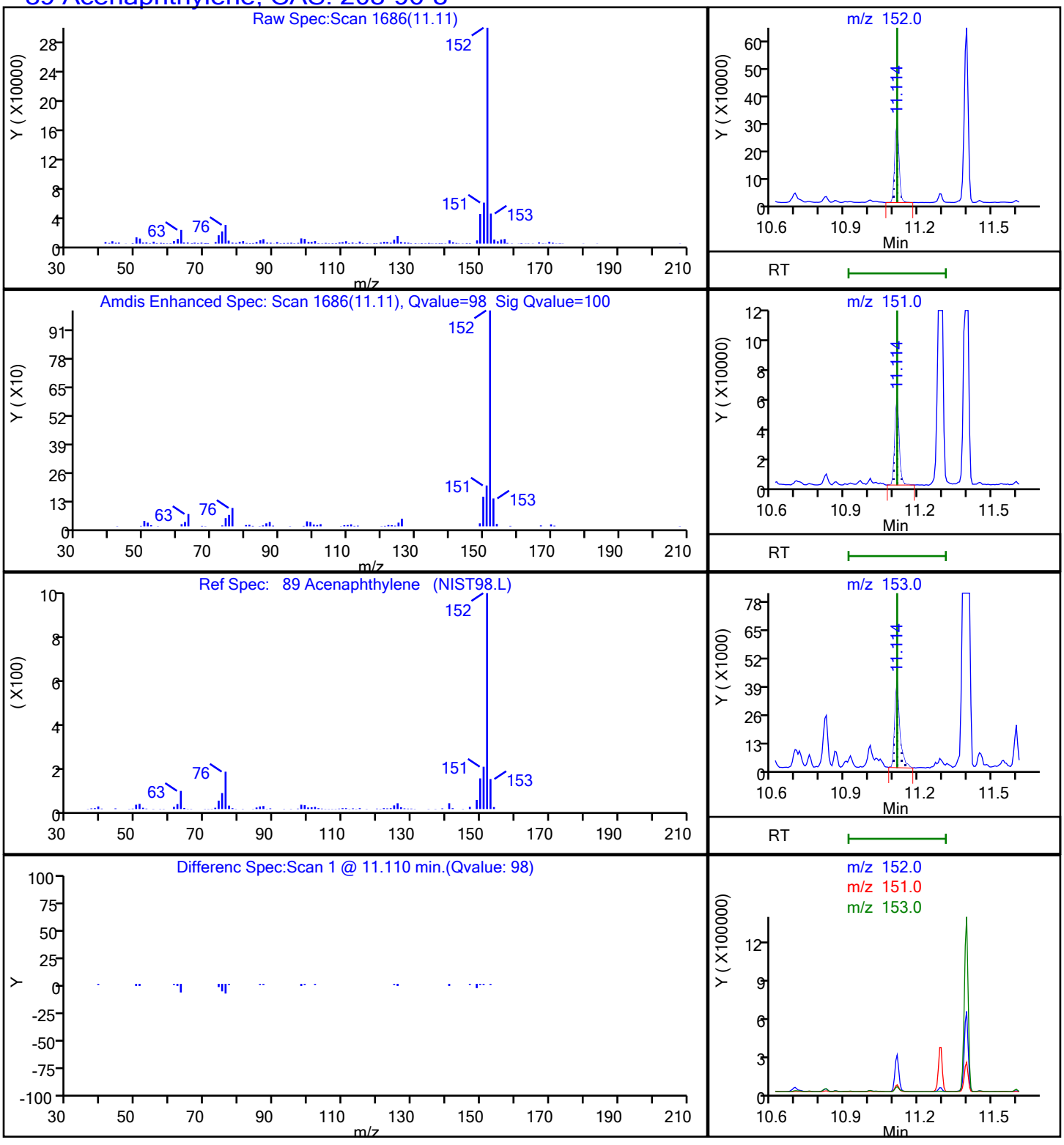
Operator ID: em10340 ALS Bottle#: 23 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

89 Acenaphthylene, CAS: 208-96-8



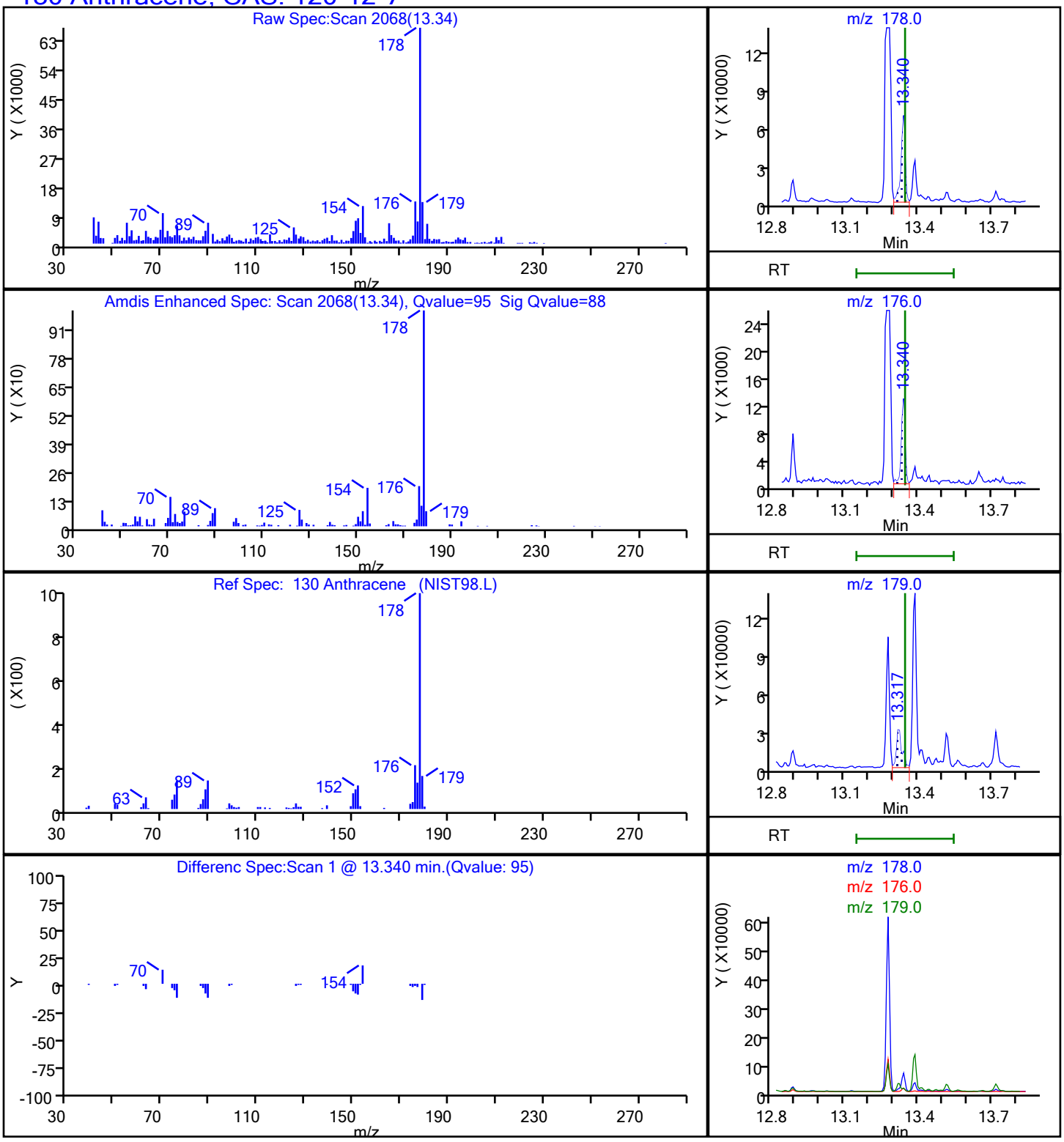
Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D

Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	em10340	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

130 Anthracene, CAS: 120-12-7



Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D

Injection Date: 07-Jan-2021 20:17:30 Instrument ID: HP18831

Lims ID: 410-25282-D-20-A Lab Sample ID: 410-25282-20

Client ID: DUP-20201230

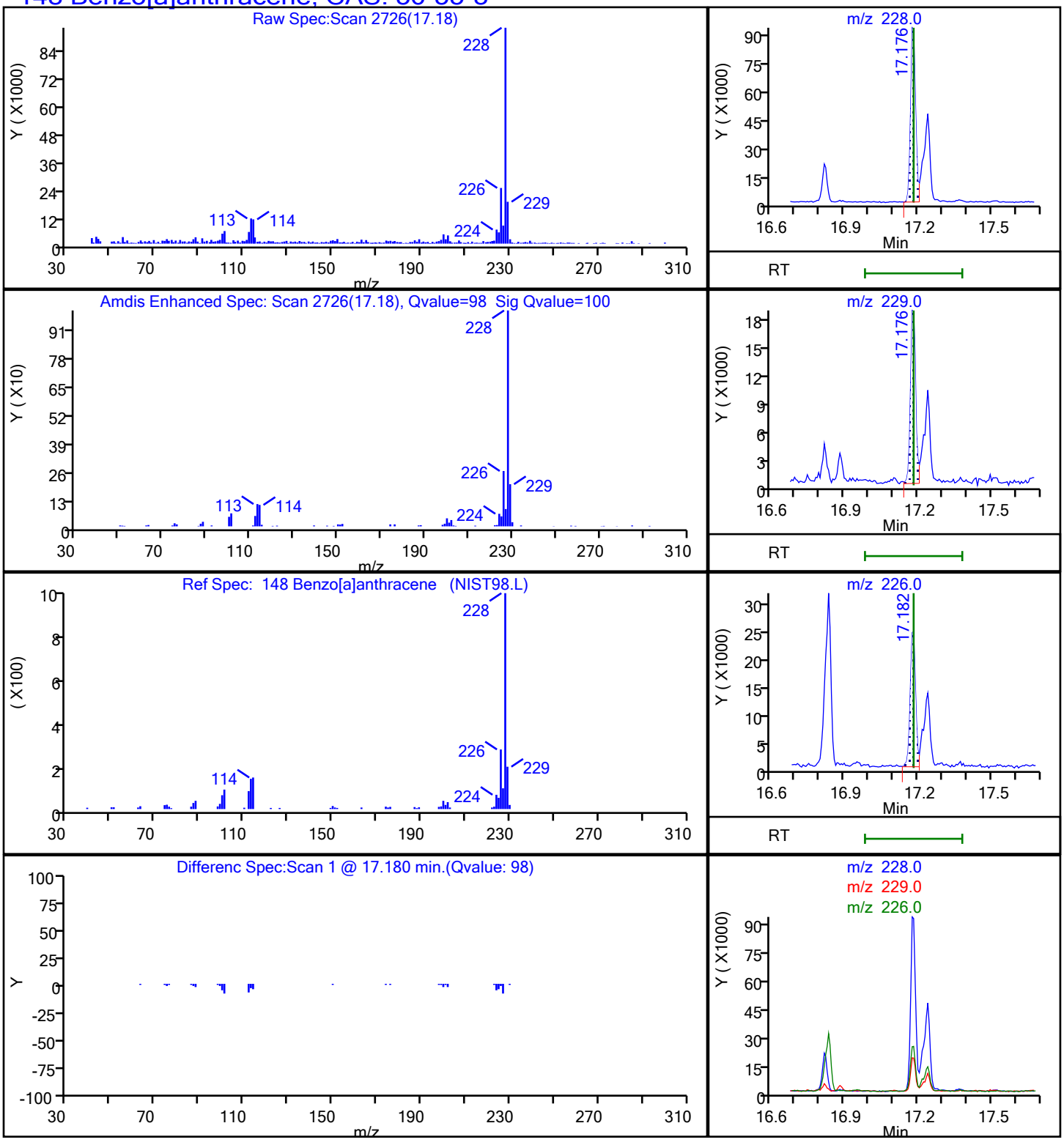
Operator ID: em10340 ALS Bottle#: 23 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

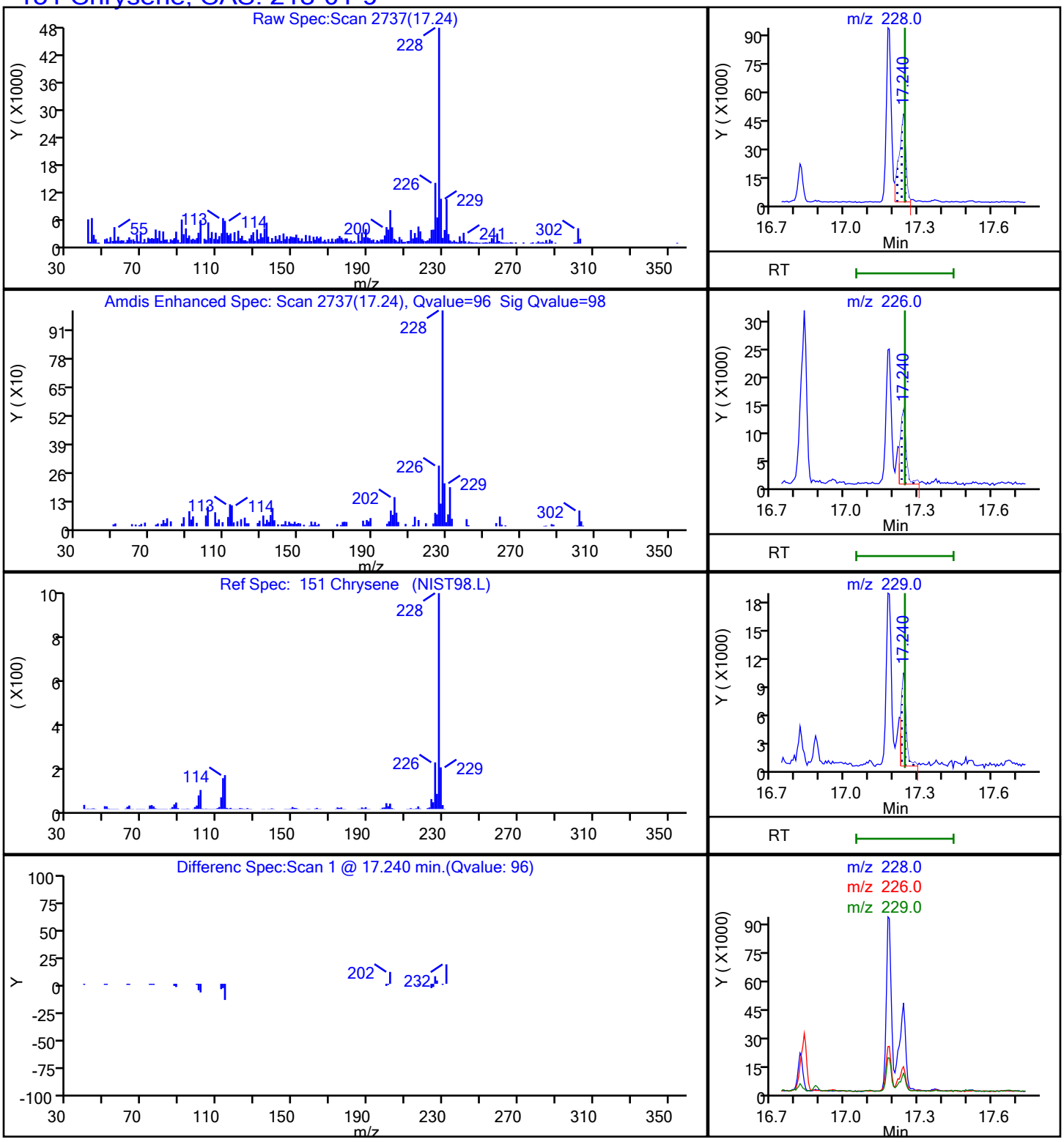
148 Benzo[a]anthracene, CAS: 56-55-3



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D		
Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20
Client ID:	DUP-20201230		
Operator ID:	em10340	ALS Bottle#:	23 Worklist Smp#: 23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

151 Chrysene, CAS: 218-01-9



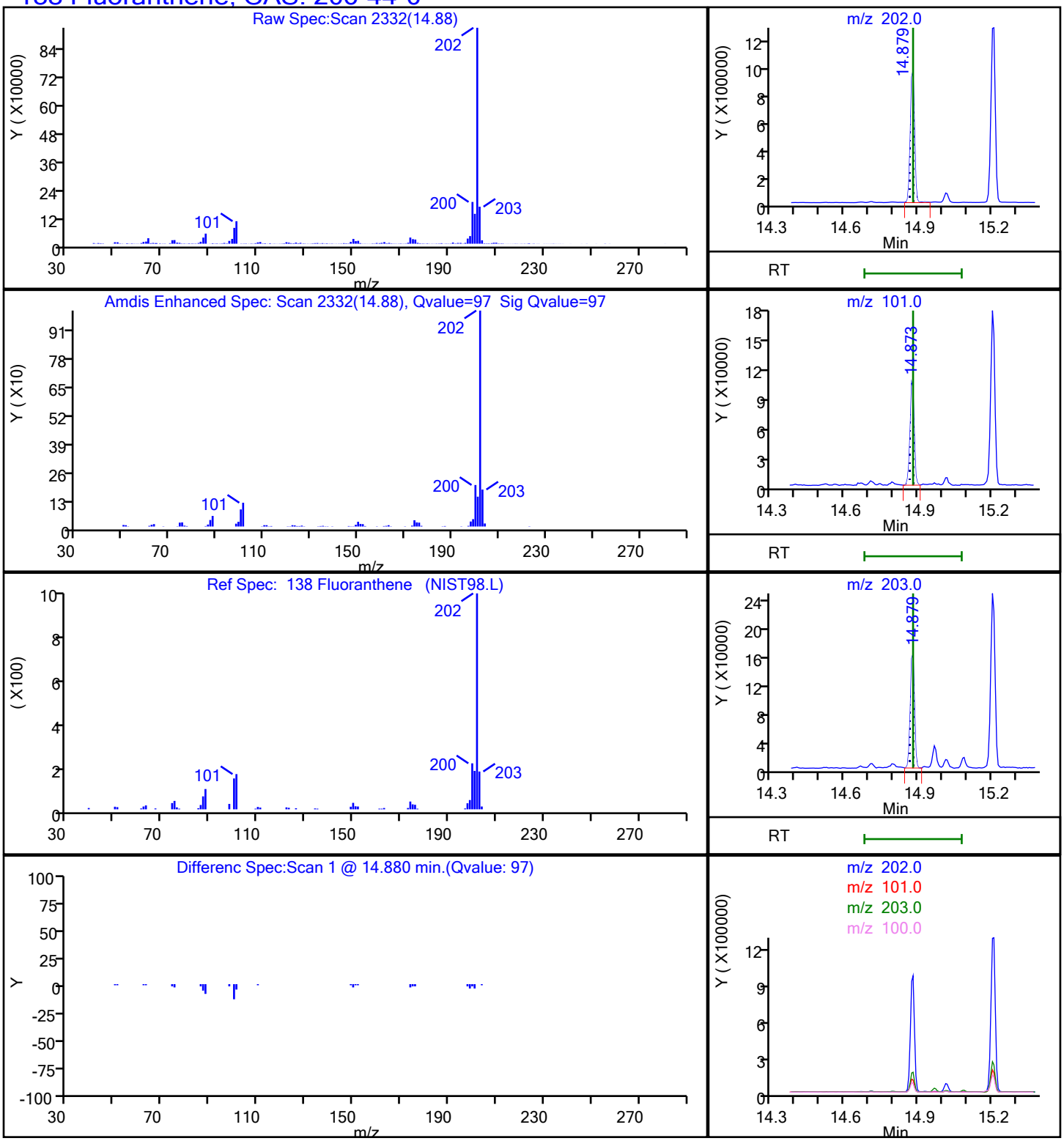
Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D

Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	em10340	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

138 Fluoranthene, CAS: 206-44-0

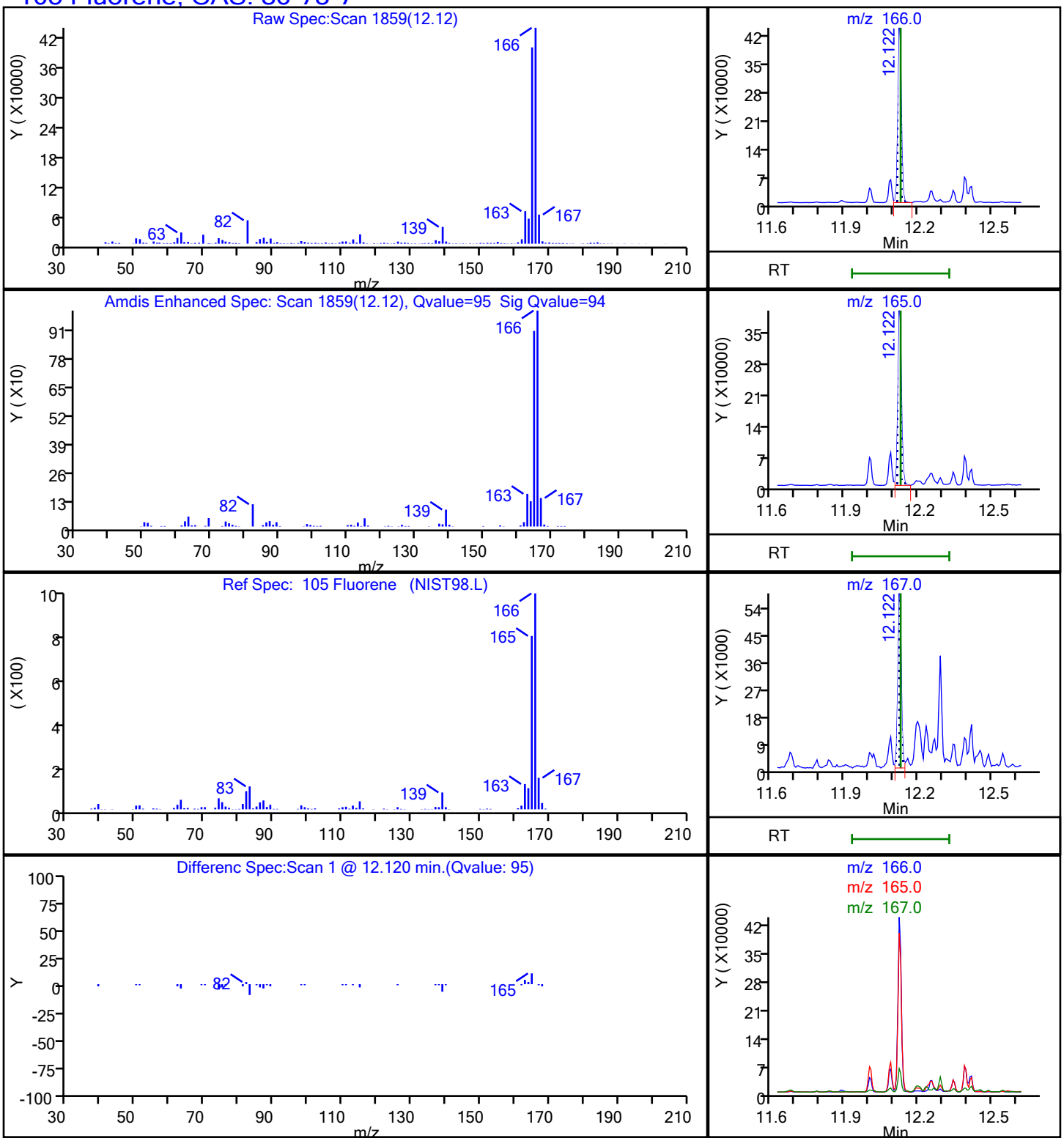


Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D				
Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	em10340	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

105 Fluorene, CAS: 86-73-7



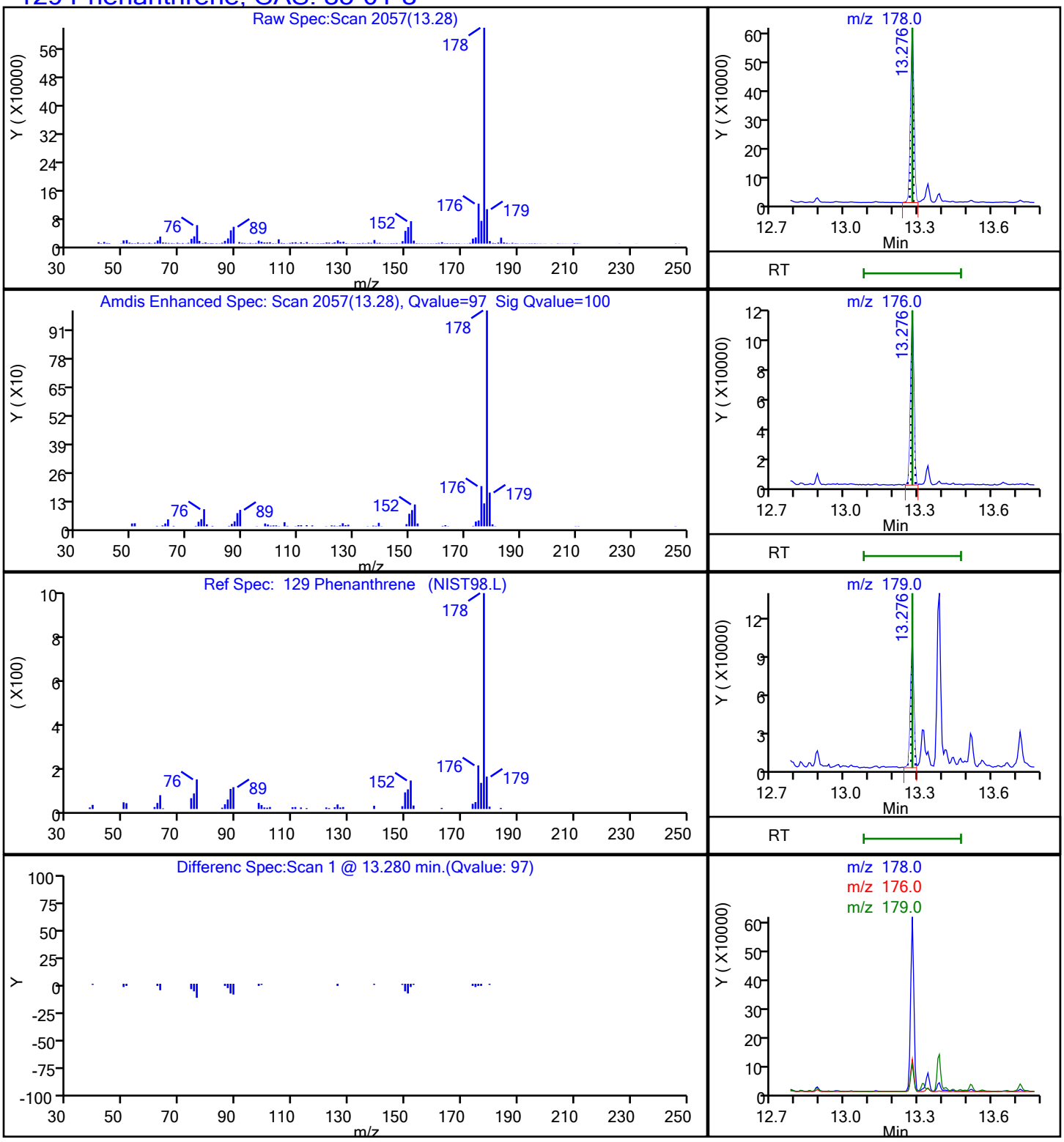
Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D

Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	em10340	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Phenanthrene, CAS: 85-01-8



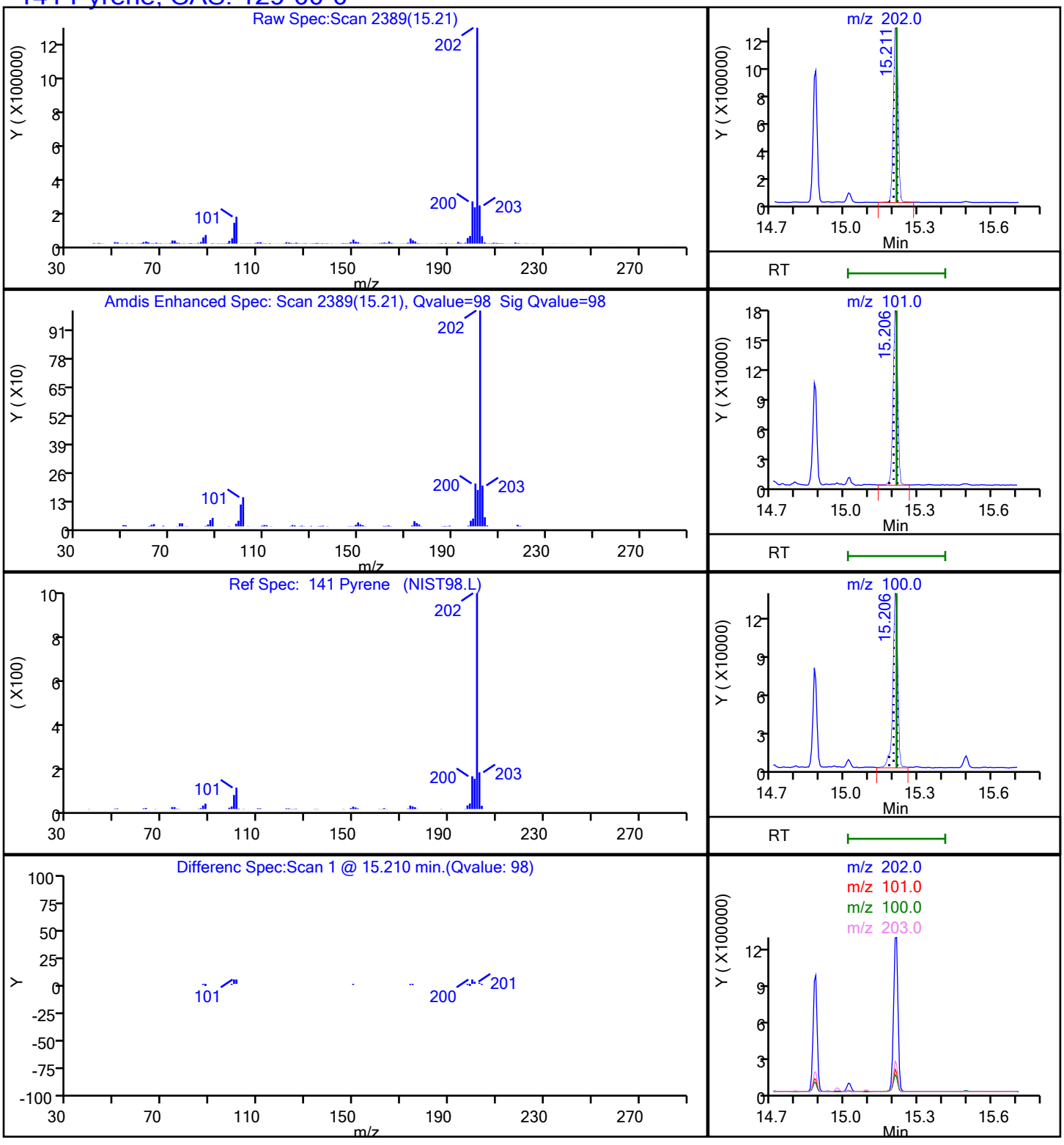
Report Date: 08-Jan-2021 02:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D

Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	em10340	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Pyrene, CAS: 129-00-0



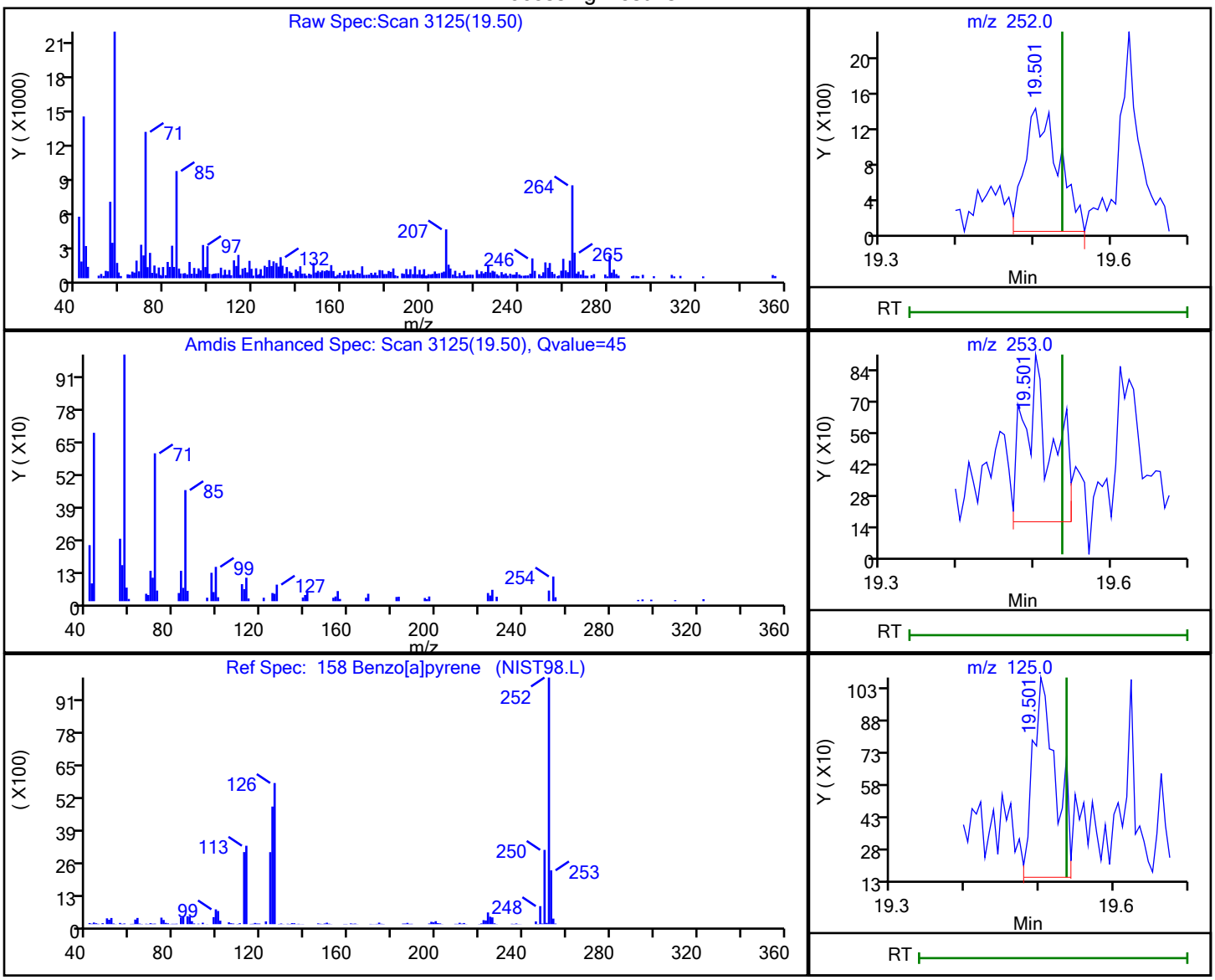
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0322.D				
Injection Date:	07-Jan-2021 20:17:30	Instrument ID:	HP18831		
Lims ID:	410-25282-D-20-A	Lab Sample ID:	410-25282-20		
Client ID:	DUP-20201230				
Operator ID:	em10340	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.50	252.00	4181	0.021517
19.50	253.00	1837	
19.50	125.00	1976	

Reviewer: williamss, 08-Jan-2021 02:43:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: DUP-20201230 DL Lab Sample ID: 410-25282-20 DL

Matrix: Ground Water Lab File ID: HA0353.D

Analysis Method: 8270D Date Collected: 12/30/2020 00:00

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 250.2(mL) Date Analyzed: 01/08/2021 01:19

Con. Extract Vol.: 1(mL) Dilution Factor: 5

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	190		2.5	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	64		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	65		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0353.D
Lims ID: 410-25282-D-20-A DL
Client ID: DUP-20201230
Sample Type: Client
Inject. Date: 08-Jan-2021 01:19:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-25282-D-20-A
Misc. Info.: 410-0019498-004
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 10:25:48 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1619

First Level Reviewer: beckk Date: 08-Jan-2021 10:25:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	204796	5.00	
$ 41 Nitrobenzene-d5	82	7.448	7.459	-0.011	90	184039	3.20	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	776738	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1645306	9.65	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	99	389945	3.11	
89 Acenaphthylene	152	11.114	11.114	0.000	98	64837	0.4406	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	379875	5.00	
93 Acenaphthene	153	11.394	11.400	-0.006	94	298022	2.72	
105 Fluorene	166	12.122	12.128	-0.006	96	80870	0.6795	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	749338	5.00	
129 Phenanthrene	178	13.276	13.282	-0.006	96	113768	0.6526	
130 Anthracene	178	13.341	13.346	-0.005	96	14497	0.0827	
138 Fluoranthene	202	14.874	14.879	-0.005	96	211019	1.05	
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	100	744910	5.00	
141 Pyrene	202	15.206	15.211	-0.005	98	302415	1.47	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	489988	3.28	
148 Benzo[a]anthracene	228	17.176	17.182	-0.006	97	23998	0.1368	
151 Chrysene	228	17.234	17.246	-0.012	96	15462	0.0872	
155 Benzo[b]fluoranthene	252		19.018				ND	
157 Benzo[k]fluoranthene	252		19.064				ND	
158 Benzo[a]pyrene	252		19.536				ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	99	786342	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221				ND	
164 Dibenz(a,h)anthracene	278		21.262				ND	
165 Benzo[g,h,i]perylene	276		21.576				ND	

QC Flag Legend
Processing Flags

Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

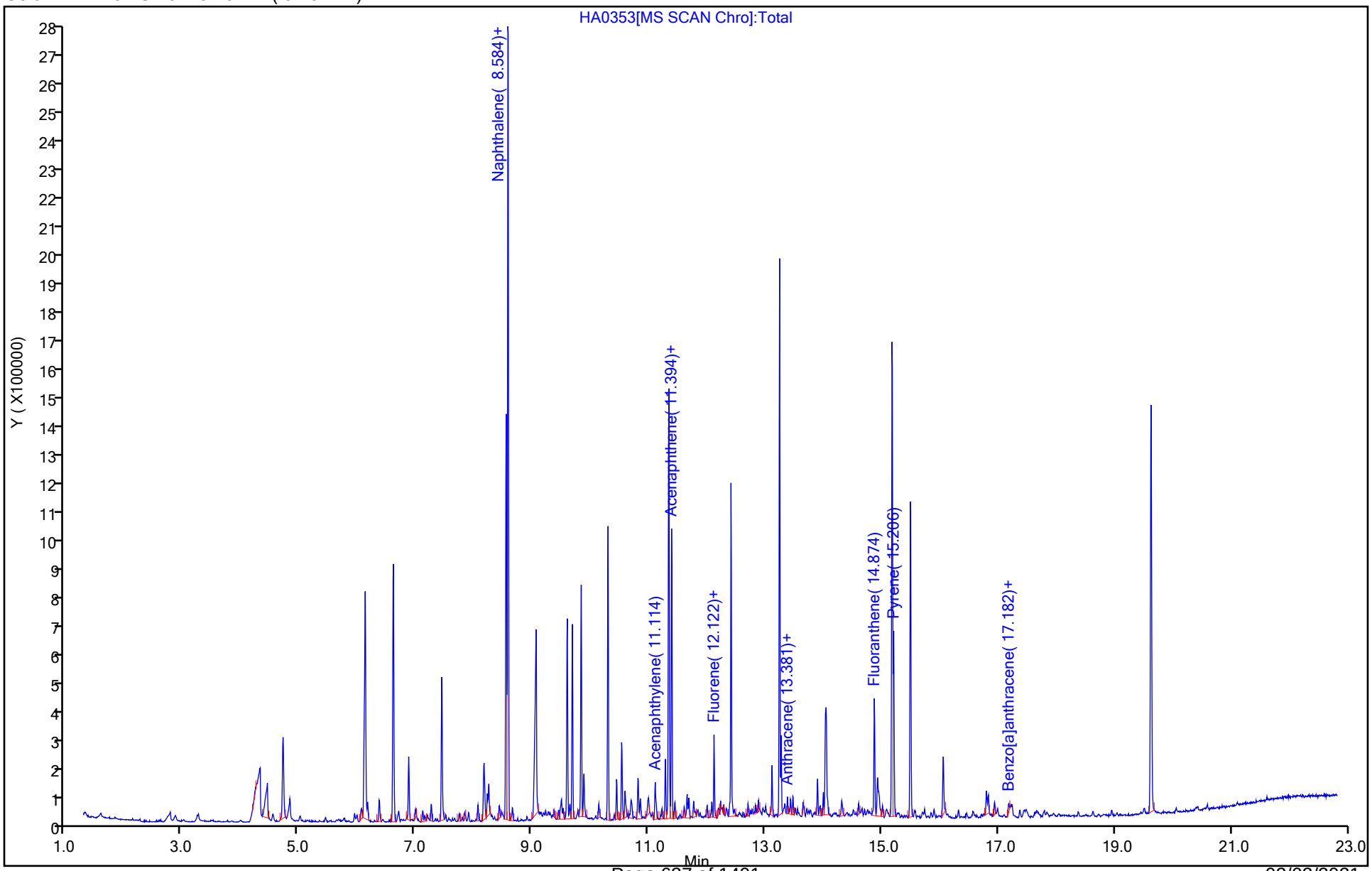
Report Date: 08-Jan-2021 10:26:22 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0353.D

Injection Date:	08-Jan-2021 01:19:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	410-25282-D-20-A DL	Lab Sample ID:	410-25282-20	Worklist Smp#:	4
Client ID:	DUP-20201230				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	4
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



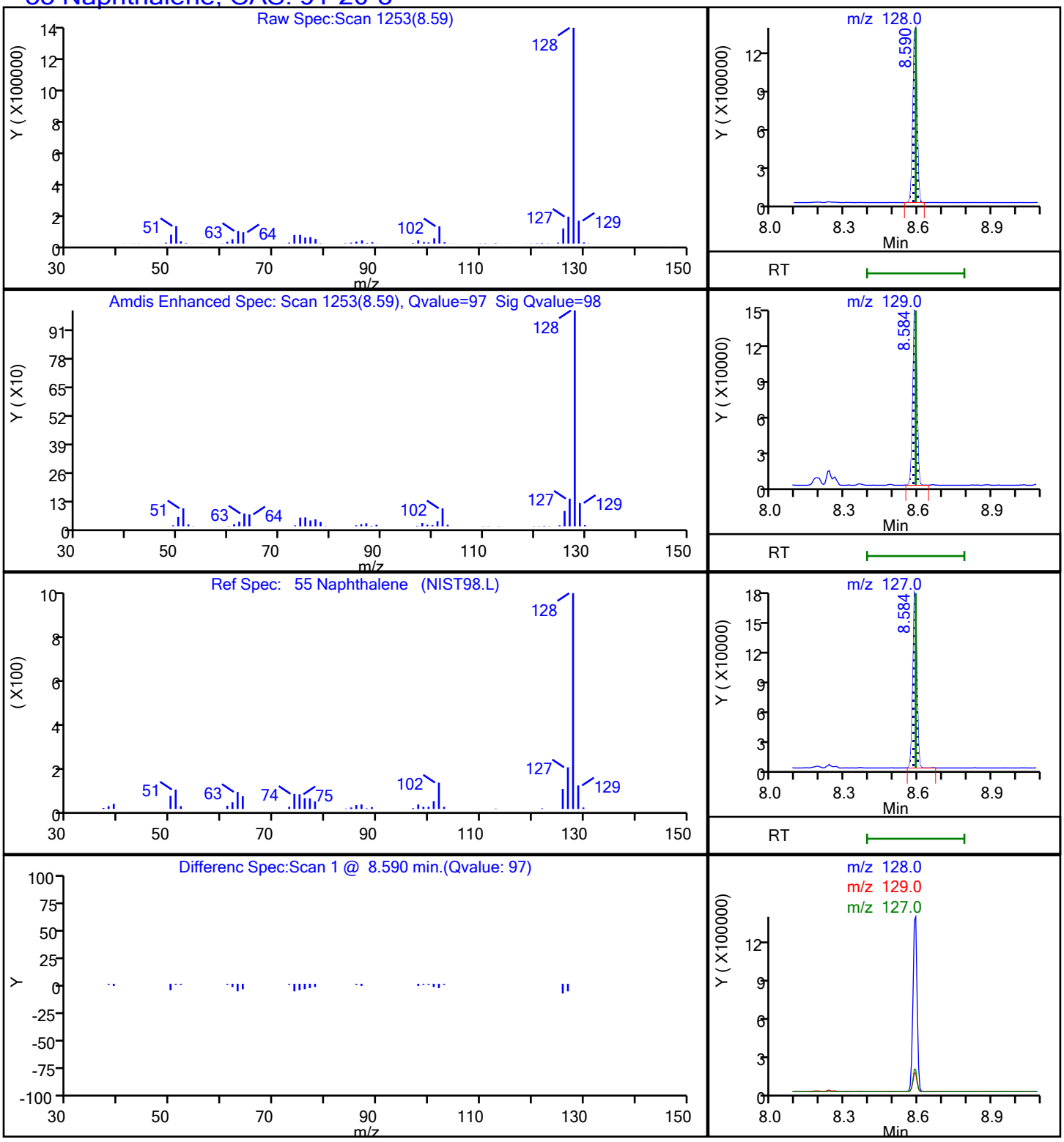
Report Date: 08-Jan-2021 10:26:22 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0353.D

Injection Date:	08-Jan-2021 01:19:30	Instrument ID:	HP18831
Lims ID:	410-25282-D-20-A DL	Lab Sample ID:	410-25282-20
Client ID:	DUP-20201230		
Operator ID:	sw30417	ALS Bottle#:	4 Worklist Smp#: 4
Injection Vol:	1.0 ul	Dil. Factor:	5.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

55 Naphthalene, CAS: 91-20-3



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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-70201/3	HK1902.D
Level 2	IC 410-70201/9	HK1908.D
Level 3	IC 410-70201/8	HK1907.D
Level 4	IC 410-70201/7	HK1906.D
Level 5	ICIS 410-70201/2	HK1901.D
Level 6	IC 410-70201/6	HK1905.D
Level 7	IC 410-70201/5	HK1904.D
Level 8	IC 410-70201/4	HK1903.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	+++++ 0.5227	+++++ 0.5273	0.4979 0.5291	0.4823	0.5526	Ave		0.5187				4.8		20.0			
N-Nitrosodimethylamine	+++++ 0.7851	+++++ 0.7867	0.8049 0.7862	0.8129	0.8274	Ave		0.8005				2.2		20.0			
Pyridine	+++++ 1.3972	+++++ 1.3915	1.4434 1.3841	1.4707	1.4761	Ave		1.4272				2.9		20.0			
2-Picoline	+++++ 1.4892	+++++ 1.4774	1.4465 1.4544	1.5380	1.5521	Ave		1.4929				2.9		20.0			
N-Nitrosomethylethylamine	+++++ 0.6124	+++++ 0.6088	0.6085 0.5996	0.6255	0.6289	Ave		0.6140				1.8		20.0			
Methyl methanesulfonate	+++++ 0.5891	+++++ 0.5892	0.6126 0.5751	0.6079	0.6113	Ave		0.5975				2.6		20.0			
N-Nitrosodiethylamine	+++++ 0.6443	0.5221 0.6463	0.6251 0.6265	0.6532	0.6656	Ave		0.6261				7.7		20.0			
Ethyl methanesulfonate	+++++ 0.6818	0.7070 0.6827	0.6763 0.6638	0.7079	0.7045	Ave		0.6891				2.5		20.0			
Benzaldehyde	+++++ 1.1171	1.1258 0.9540	1.0904 0.8234	1.1573	1.1666	Ave		1.0621			0.0100	11.9		20.0			
Phenol	+++++ 1.7964	1.6752 1.7782	1.8202 1.7071	1.8270	1.8650	Ave		1.7813			0.8000	3.8		20.0			
Aniline	+++++ 2.1166	2.0208 2.0876	2.0944 1.9925	2.1443	2.1981	Ave		2.0935				3.4		20.0			
Bis(2-chloroethyl)ether	+++++ 1.3548	1.3254 1.3323	1.4442 1.2706	1.3850	1.4145	Ave		1.3610			0.7000	4.3		20.0			
2-Chlorophenol	+++++ 1.4427	1.2791 1.4114	1.4004 1.3339	1.4440	1.4587	Ave		1.3957			0.8000	4.7		20.0			
1,3-Dichlorobenzene	+++++ 1.5936	1.5135 1.5695	1.6102 1.4964	1.6271	1.6340	Ave		1.5777				3.4		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

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-Dichlorobenzene	+++++ 1.6074	1.5267 1.5902	1.6046 1.5173	1.6602	1.6449	Ave		1.5930				3.4		20.0			
Benzyl alcohol	+++++ 0.8715	+++++ 0.8994	0.8008 0.8049	0.9196	0.9394	Ave		0.8726				6.7		20.0			
1,2-Dichlorobenzene	+++++ 1.5188	1.4582 1.4949	1.5413 1.4258	1.5716	1.5618	Ave		1.5103				3.6		20.0			
Indene	+++++ 1.9447	+++++ 1.9910	1.9000 1.7613	2.0642	2.0500	Ave		1.9519				5.7		20.0			
2-Methylphenol	+++++ 1.2557	1.1212 1.2201	1.2198 1.1511	1.2791	1.2757	Ave		1.2175			0.7000	5.0		20.0			
2,2'-oxybis[1-chloropropane]	+++++ 2.4303	2.3656 2.3734	2.4394 2.2579	2.4586	2.5239	Ave		2.4070			0.0100	3.5		20.0			
N-Nitrosopyrrolidine	+++++ 0.6933	0.5764 0.6729	0.6266 0.6521	0.6760	0.6884	Ave		0.6551				6.3		20.0			
Acetophenone	+++++ 2.0454	1.8597 1.9048	1.8188 1.8867	1.9800	1.9885	Ave		1.9263			0.0100	4.2		20.0			
4-Methylphenol (and/or 3-Methylphenol)	+++++ 1.3056	1.1529 1.2780	1.3766 1.2215	1.3544	1.3332	Ave		1.2889			0.6000	6.1		20.0			
N-Nitrosodi-n-propylamine	+++++ 0.9591	0.9491 0.9357	0.9789 0.8794	0.9994	0.9751	Ave		0.9538			0.5000	4.1		20.0			
N-Nitrosomorpholine	+++++ 0.9866	+++++ 0.9629	1.0111 0.9120	1.0467	1.0126	Ave		0.9887				4.7		20.0			
o-Toluidine	+++++ 2.1223	2.0131 2.0632	2.1493 1.9357	2.2182	2.1632	Ave		2.0950				4.6		20.0			
Hexachloroethane	+++++ 0.6383	+++++ 0.6128	0.6439 0.5841	0.6548	0.6533	Ave		0.6312			0.3000	4.4		20.0			
Nitrobenzene	+++++ 0.3824	0.3582 0.3709	0.3820 0.3551	0.3939	0.3937	Ave		0.3766			0.2000	4.2		20.0			
N-Nitrosopiperidine	+++++ 0.1843	0.1676 0.1808	0.1715 0.1741	0.1853	0.1842	Ave		0.1782				4.0		20.0			
Isophorone	+++++ 0.6646	0.5902 0.6540	0.6195 0.6335	0.6658	0.6631	Ave		0.6415			0.4000	4.5		20.0			
2-Nitrophenol	+++++ 0.2057	0.1656 0.2032	0.1887 0.1980	0.2026	0.2041	Ave		0.1954			0.1000	7.3		20.0			
2,4-Dimethylphenol	+++++ 0.3629	0.3049 0.3572	0.3449 0.3455	0.3679	0.3700	Ave		0.3505			0.2000	6.4		20.0			
o,o',o''-Triethylphosphorothioate	+++++ 0.1953	+++++ 0.1882	0.1808 0.1810	0.1987	0.1913	Ave		0.1892				3.9		20.0			
Benzoic acid	+++++ 0.2388	+++++ 0.2210	0.1244 0.2654	0.1973	0.2057	Lin	-0.665	0.2789							0.9900		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

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								
Bis(2-chloroethoxy)methane	+++++ 0.4398	0.4186 0.4327	0.4324 0.4028	0.4506	0.4489	Ave		0.4322			0.3000	3.9		20.0			
2,4-Dichlorophenol	+++++ 0.3229	0.2902 0.3169	0.3047 0.3060	0.3274	0.3214	Ave		0.3128			0.2000	4.2		20.0			
1,2,4-Trichlorobenzene	+++++ 0.3437	0.3120 0.3366	0.3403 0.3250	0.3519	0.3485	Ave		0.3369				4.2		20.0			
Naphthalene	1.1427 1.1097	1.0416 1.0859	1.0975 1.0426	1.1421	1.1148	Ave		1.0971			0.7000	3.6		20.0			
4-Chloroaniline	+++++ 0.4328	0.3773 0.4248	0.4094 0.4102	0.4337	0.4315	Ave		0.4171			0.0100	4.9		20.0			
2,6-Dichlorophenol	+++++ 0.3105	0.2578 0.3020	0.2942 0.2907	0.3156	0.3121	Ave		0.2976				6.7		20.0			
Hexachloropropene	+++++ 0.2057	+++++ 0.2018	0.1901 0.1939	0.2039	0.2028	Ave		0.1997				3.1		20.0			
Hexachlorobutadiene	+++++ 0.2047	0.1986 0.1992	0.2028 0.1914	0.2081	0.2025	Ave		0.2010			0.0100	2.7		20.0			
Quinoline	+++++ 0.6895	+++++ 0.6706	0.6562 0.6530	0.6910	0.6945	Ave		0.6758				2.7		20.0			
Caprolactam	+++++ 0.1190	+++++ 0.1107	0.0925 0.1122	0.1136	0.1151	Ave		0.1105			0.0100	8.4		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.2348	+++++ 0.2933	0.2161 0.2851	0.2310	0.2338	Ave		0.2490				12.8		20.0			
4-Chloro-3-methylphenol	+++++ 0.3122	0.2632 0.3061	0.2777 0.2970	0.3054	0.3141	Ave		0.2965			0.2000	6.4		20.0			
Safrole, Total	+++++ 0.2890	+++++ 0.2812	0.2711 0.2756	0.2888	0.2898	Ave		0.2826				2.8		20.0			
2-Methylnaphthalene	0.7378 0.7306	0.6806 0.7232	0.7112 0.6966	0.7466	0.7368	Ave		0.7204			0.4000	3.1		20.0			
1-Methylnaphthalene	0.6528 0.6989	0.6248 0.6907	0.6820 0.6624	0.7150	0.7094	Ave		0.6795				4.5		20.0			
Hexachlorocyclopentadiene	+++++ 0.4136	+++++ 0.4153	0.3919 0.4022	0.4137	0.4197	Ave		0.4094			0.0500	2.5		20.0			
1,2,4,5-Tetrachlorobenzene	+++++ 0.6839	0.6700 0.6795	0.6636 0.6509	0.7077	0.6842	Ave		0.6771			0.0100	2.7		20.0			
Isosafrole Peak 1	+++++ 0.6453	+++++ 0.6482	0.6145 0.6270	0.6684	0.6454	Ave		0.6415				2.9		20.0			
2,4,6-Trichlorophenol	+++++ 0.4723	0.3871 0.4653	0.4141 0.4580	0.4637	0.4687	Ave		0.4470			0.2000	7.4		20.0			
2,4,5-Trichlorophenol	+++++ 0.5041	0.4088 0.4989	0.4602 0.4775	0.5068	0.4866	Ave		0.4775			0.2000	7.2		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

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								
Isosafrole Peak 2	+++++ 0.6986	+++++ 0.6778	0.6581 0.6603	0.7094	0.6996	Ave		0.6840				3.2		20.0			
1,1'-Biphenyl	+++++ 2.0058	1.8309 1.8590	1.7682 1.8673	1.9670	1.9294	Ave		1.8896			0.0100	4.4		20.0			
2-Chloronaphthalene	+++++ 1.4448	1.2601 1.3862	1.4431 1.3843	1.4815	1.3933	Ave		1.3990			0.8000	5.1		20.0			
1-Chloronaphthalene	+++++ 1.2459	1.3429 1.2501	1.2453 1.1677	1.3310	1.3128	Ave		1.2708				4.9		20.0			
Diphenyl ether	+++++ 0.9835	0.9227 0.9753	0.9732 0.9334	1.0252	0.9814	Ave		0.9707				3.5		20.0			
2-Nitroaniline	+++++ 0.4775	0.3652 0.4677	0.4245 0.4497	0.4740	0.4789	Ave		0.4482			0.0100	9.2		20.0			
1,4-Naphthoquinone	+++++ 0.6078	+++++ 0.5909	0.5276 0.5606	0.6029	0.6026	Ave		0.5821				5.4		20.0			
1,4-Dinitrobenzene	+++++ 0.2477	+++++ 0.2441	0.2177 0.2408	0.2442	0.2470	Ave		0.2403				4.7		20.0			
Dimethyl phthalate	+++++ 1.5558	+++++ 1.5229	1.5422 1.4912	1.6168	1.5686	Ave		1.5496			0.0100	2.8		20.0			
1,3-Dinitrobenzene	+++++ 0.2788	+++++ 0.2697	0.2403 0.2631	0.2758	0.2686	Ave		0.2661				5.2		20.0			
2,6-Dinitrotoluene	+++++ 0.3690	0.3247 0.3567	0.3373 0.3537	0.3750	0.3703	Ave		0.3553			0.2000	5.2		20.0			
Acenaphthylene	1.8672 1.9935	1.8022 1.9873	1.8898 1.9150	2.0323	2.0094	Ave		1.9371			0.9000	4.2		20.0			
3-Nitroaniline	+++++ 0.3932	0.2965 0.3920	0.3530 0.3827	0.3905	0.3830	Ave		0.3701			0.0100	9.5		20.0			
Acenaphthene	1.4479 1.4609	1.3780 1.4390	1.4495 1.3930	1.5144	1.4581	Ave		1.4426			0.9000	2.9		20.0			
2,4-Dinitrophenol	+++++ 0.2345	+++++ 0.2442	+++++ 0.2428	0.2067	0.2113	Ave		0.2279			0.0100	7.8		20.0			
4-Nitrophenol	+++++ 0.2182	+++++ 0.2439	+++++ 0.2390	0.2075	0.2078	Ave		0.2233			0.0100	7.7		20.0			
Pentachlorobenzene	+++++ 0.6208	0.5878 0.6087	0.6039 0.5763	0.6384	0.6070	Ave		0.6061				3.4		20.0			
Dibenzofuran	+++++ 1.9968	1.9328 1.9671	1.9785 1.8903	2.0892	2.0106	Ave		1.9808			0.8000	3.2		20.0			
2,4-Dinitrotoluene	+++++ 0.4870	+++++ 0.4893	0.4332 0.4737	0.4901	0.4787	Ave		0.4754			0.2000	4.6		20.0			
1-Naphthylamine	+++++ 1.4241	+++++ 1.4306	+++++ 1.3787	1.4524	1.4202	Ave		1.4212				1.9		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

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								
2,3,4,6-Tetrachlorophenol	+++++ 0.3806	0.3070 0.3789	0.3387 0.3681	0.3876	0.3701	Ave		0.3616			0.0100	8.0		20.0			
2-Naphthylamine	+++++ 1.3989	+++++ 1.4191	+++++ 1.3794	1.3810	1.2916	Ave		1.3740				3.6		20.0			
Diethyl phthalate	+++++ 1.5845	+++++ 1.5873	1.4747 1.5407	1.5594	1.5679	Ave		1.5524			0.0100	2.7		20.0			
Fluorene	1.5312 1.5976	1.4883 1.5655	1.5803 1.5132	1.6561	1.5989	Ave		1.5664			0.9000	3.4		20.0			
Thionazin	+++++ 0.2743	+++++ 0.2730	0.2575 0.2612	0.2768	0.2723	Ave		0.2692				2.9		20.0			
5-Nitro-o-toluidine	+++++ 0.4535	0.3389 0.4450	0.4134 0.4323	0.4533	0.4427	Ave		0.4256				9.6		20.0			
4-Chlorophenyl-phenyl ether	+++++ 0.7597	0.7520 0.7453	0.7688 0.7088	0.7922	0.7562	Ave		0.7547			0.4000	3.4		20.0			
4-Nitroaniline	+++++ 0.4165	0.3136 0.4046	0.3984 0.3896	0.4355	0.4130	Ave		0.3959			0.0100	9.9		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1539	+++++ 0.1519	+++++ 0.1501	0.1431	0.1441	Ave		0.1486			0.0100	3.2		20.0			
N-Nitrosodiphenylamine	+++++ 0.6836	0.6092 0.6721	0.6554 0.6493	0.7269	0.6808	Ave		0.6682			0.0100	5.4		20.0			
1,2-Diphenylhydrazine	+++++ 0.7482	0.7065 0.7321	0.7391 0.7102	0.7876	0.7724	Ave		0.7423				4.0		20.0			
Sulfotepp	+++++ 0.1288	+++++ 0.1293	0.1181 0.1251	0.1301	0.1295	Ave		0.1268				3.6		20.0			
cis-Diallate	+++++ 0.3303	+++++ 0.3303	0.3065 0.3182	0.3385	0.3358	Ave		0.3266				3.7		20.0			
Phorate	+++++ 0.4676	0.3738 0.4665	0.4127 0.4511	0.4616	0.4722	Ave		0.4436				8.3		20.0			
Phenacetin	+++++ 0.4003	0.2761 0.3957	0.3308 0.3812	0.3919	0.3998	Ave		0.3680				12.8		20.0			
4-Bromophenyl-phenylether	+++++ 0.2279	0.2223 0.2238	0.2286 0.2139	0.2413	0.2288	Ave		0.2267			0.1000	3.7		20.0			
trans-Diallate	+++++ 0.3311	+++++ 0.3278	0.3172 0.3138	0.3349	0.3341	Ave		0.3265				2.7		20.0			
Hexachlorobenzene	0.2668 0.2594	0.2494 0.2590	0.2636 0.2479	0.2760	0.2640	Ave		0.2608			0.1000	3.5		20.0			
Dimethoate	+++++ 0.3171	+++++ 0.3111	0.2647 0.2985	0.3119	0.3166	Ave		0.3033				6.6		20.0			
Atrazine	+++++ 0.2479	+++++ 0.2249	0.2104 0.2101	0.2453	0.2410	Ave		0.2299			0.0100	7.5		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

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								
Pentachlorophenol	+++++ 0.1843	+++++ 0.1828	0.1505 0.1789	0.1720	0.1771	Ave		0.1743			0.0500	7.1		20.0			
4-Aminobiphenyl	+++++ 0.5406	0.4366 0.5357	0.4869 0.4912	0.5340	0.5228	Ave		0.5068				7.4		20.0			
Pentachloronitrobenzene	+++++ 0.1054	+++++ 0.1047	0.0942 0.1014	0.1059	0.1045	Ave		0.1027				4.3		20.0			
Pronamide	+++++ 0.3921	0.2868 0.3851	0.3268 0.3748	0.3872	0.3869	Ave		0.3628				11.1		20.0			
Dinoseb	+++++ 0.2225	+++++ 0.2275	+++++ 0.2236	0.1942	0.2041	Ave		0.2144				6.7		20.0			
Phenanthrene	1.1587 1.1769	1.1227 1.1594	1.1600 1.1078	1.2455	1.1751	Ave		1.1633			0.7000	3.5		20.0			
Anthracene	1.1253 1.2042	1.0513 1.2025	1.1626 1.1487	1.2599	1.2074	Ave		1.1702			0.7000	5.4		20.0			
Carbazole	+++++ 1.1425	0.9832 1.1316	1.0576 1.1039	1.1781	1.1390	Ave		1.1051			0.0100	5.9		20.0			
Methyl parathion	+++++ 0.2742	+++++ 0.2718	0.2048 0.2631	0.2546	0.2648	Ave		0.2555				10.1		20.0			
Di-n-butyl phthalate	+++++ 1.4921	+++++ 1.4862	1.3119 1.3844	1.4682	1.4950	Ave		1.4396			0.0100	5.2		20.0			
Parathion	+++++ 0.1698	+++++ 0.1705	0.1227 0.1660	0.1606	0.1656	Ave		0.1592				11.5		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.1506	+++++ 0.1585	+++++ 0.1570	0.1163	0.1354	Ave		0.1436				12.4		20.0			
Octachlorostyrene	+++++ 0.1141	+++++ 0.1165	0.1071 0.1057	0.1166	0.1177	Ave		0.1130				4.6		20.0			
Isodrin	+++++ 0.1456	0.1358 0.1456	0.1385 0.1411	0.1474	0.1484	Ave		0.1432				3.3		20.0			
Fluoranthene	1.2570 1.4122	1.1894 1.3954	1.3153 1.3505	1.4318	1.4014	Ave		1.3441			0.6000	6.3		20.0			
Benzidine	+++++ 0.9273	+++++ 0.9024	+++++ 0.7961	0.9327	0.9401	Ave		0.8997				6.6		20.0			
Pyrene	1.3952 1.3929	1.3623 1.3745	1.3731 1.3118	1.4627	1.3889	Ave		1.3827			0.6000	3.0		20.0			
p-Dimethylamino azobenzene	+++++ 0.2539	0.1742 0.2515	0.1958 0.2455	0.2446	0.2453	Ave		0.2301				13.8		20.0			
Chlorobenzilate	+++++ 0.4179	+++++ 0.4139	0.3507 0.4025	0.4125	0.4066	Ave		0.4007				6.3		20.0			
3,3'-Dimethylbenzidine	+++++ 0.9515	+++++ 0.9380	0.7429 0.8970	0.9083	0.9544	Ave		0.8987				8.9		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

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								
Butylbenzylphthalate	+++++ 0.6520	+++++ 0.6383	0.5520 0.6276	0.6459	0.6418	Ave		0.6263			0.0100	6.0		20.0			
2-Acetylaminofluorene	+++++ 0.5585	+++++ 0.5634	0.3721 0.5582	0.4963	0.5263	Ave		0.5125				14.3		20.0			
3,3'-Dichlorobenzidine	+++++ 0.5168	+++++ 0.5183	0.3988 0.5043	0.4849	0.4993	Ave		0.4871			0.0100	9.2		20.0			
Benzo[a]anthracene	1.0318 1.2731	0.9941 1.2524	1.1292 1.2135	1.2786	1.2468	Ave		1.1774			0.8000	9.5		20.0			
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2587	+++++ 0.2542	+++++ 0.2460	0.2403	0.2532	Ave		0.2505				2.9		20.0			
Chrysene	1.0689 1.2496	1.0698 1.2152	1.1955 1.1840	1.2930	1.2447	Ave		1.1901			0.7000	6.9		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.9467	+++++ 0.9313	0.7451 0.9093	0.9064	0.9448	Ave		0.8973			0.0100	8.5		20.0			
6-Methylchrysene	+++++ 0.9215	+++++ 0.9165	0.8071 0.9057	0.9083	0.9170	Ave		0.8960				4.9		20.0			
Di-n-octyl phthalate	+++++ 1.6001	+++++ 1.5983	1.2321 1.5520	1.4955	1.5917	Ave		1.5116			0.0100	9.4		20.0			
Benzo[b]fluoranthene	1.1911 1.3190	1.0859 1.2988	1.1914 1.2397	1.2935	1.3144	Ave		1.2417			0.7000	6.6		20.0			
7,12-Dimethylbenz(a)anthracene	+++++ 0.5937	0.4850 0.5896	0.5331 0.5603	0.5851	0.5982	Ave		0.5636				7.4		20.0			
Benzo[k]fluoranthene	1.1522 1.2403	1.0738 1.2062	1.2092 1.1608	1.2535	1.2516	Ave		1.1934			0.7000	5.2		20.0			
Benzo[a]pyrene	1.0691 1.2212	0.9787 1.2060	1.0781 1.1749	1.1716	1.2035	Ave		1.1379			0.7000	7.6		20.0			
3-Methylcholanthrene	+++++ 0.6377	0.4652 0.6342	0.5252 0.6210	0.5945	0.6311	Ave		0.5870				11.3		20.0			
Dibenz[a,h]acridine	+++++ 1.0022	+++++ 0.9962	0.8221 0.9511	0.9348	0.9740	Ave		0.9467				7.0		20.0			
Dibenz[a,j]acridine	+++++ 1.0527	+++++ 1.0322	0.9066 0.9662	0.9801	1.0128	Ave		0.9918				5.3		20.0			
Indeno[1,2,3-cd]pyrene	1.2650 1.1567	0.9420 1.1719	1.0048 1.0857	1.0981	1.1139	Ave		1.1048			0.5000	9.0		20.0			
Dibenz(a,h)anthracene	1.2665 1.2189	0.9854 1.1828	1.0703 1.1048	1.1769	1.2011	Ave		1.1508			0.4000	7.9		20.0			
Benzo[g,h,i]perylene	1.4533 1.1988	1.0106 1.1759	1.0920 1.0696	1.1839	1.1774	Ave		1.1702			0.5000	11.3		20.0			
2-Fluorophenol (Surr)	+++++ 1.3006	1.2615 1.2970	1.2894 1.2691	1.3310	1.3604	Ave		1.3013				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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

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								
Phenol-d5 (Surr)	+++++ 1.5382	1.4414 1.5366	1.5232 1.4905	1.5773	1.5932	Ave		1.5286				3.4		20.0			
Nitrobenzene-d5 (Surr)	+++++ 0.3791	0.3469 0.3679	0.3686 0.3567	0.3839	0.3867	Ave		0.3700				3.9		20.0			
2-Fluorobiphenyl (Surr)	+++++ 1.6816	1.5869 1.6446	1.6508 1.5697	1.7313	1.6714	Ave		1.6481				3.4		20.0			
2,4,6-Tribromophenol (Surr)	+++++ 0.2592	0.2191 0.2591	0.2370 0.2530	0.2642	0.2576	Ave		0.2499				6.5		20.0			
p-Terphenyl-d14 (Surr)	+++++ 1.0405	0.9179 1.0162	0.9958 0.9370	1.0735	1.0340	Ave		1.0021				5.6		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-70201/3	HK1902.D
Level 2	IC 410-70201/9	HK1908.D
Level 3	IC 410-70201/8	HK1907.D
Level 4	IC 410-70201/7	HK1906.D
Level 5	ICIS 410-70201/2	HK1901.D
Level 6	IC 410-70201/6	HK1905.D
Level 7	IC 410-70201/5	HK1904.D
Level 8	IC 410-70201/4	HK1903.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 435923	+++++ 649537	35365 949617	105309	234969	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	+++++ 654772	+++++ 969083	57174 1411096	177489	351819	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	+++++ 1165351	+++++ 1713989	102526 2484030	321113	627635	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	+++++ 1242094	+++++ 1819797	102747 2610342	335797	659938	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 510758	+++++ 749941	43225 1076069	136576	267420	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	+++++ 491370	+++++ 725831	43513 1032115	132722	259925	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	+++++ 537375	7577 796049	44402 1124384	142617	283013	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	+++++ 568675	10261 840882	48037 1191390	154562	299530	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	+++++ 931680	16339 1175129	77455 1477865	252684	496010	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenol	DCBd4	Ave	+++++ 1498303	24312 2190416	129288 3063876	398894	792977	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	+++++ 1765331	29328 2571430	148765 3576022	468186	934624	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	+++++ 1129956	19236 1641111	102586 2280320	302406	601429	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	+++++ 1203294	18564 1738516	99469 2394036	315267	620248	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	+++++ 1329099	21966 1933232	114373 2685617	355249	694783	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dichlorobenzene	DCBd4	Ave	+++++ 1340665	22157 1958750	113979 2723180	362480	699419	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Benzyl alcohol	DCBd4	Ave	+++++ 726859	+++++ 1107918	56885 1444632	200785	399437	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	+++++ 1266776	21163 1841413	109478 2558879	343134	664083	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indene	DCBd4	Ave	+++++ 1621986	+++++ 2452444	134959 3161083	450690	871651	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	+++++ 1047311	16272 1502927	86643 2065984	279266	542402	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	+++++ 2026952	34333 2923568	173274 4052310	536800	1073156	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	+++++ 578201	8366 828926	44508 1170391	147596	292724	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	+++++ 1705947	26991 2346258	129194 3386093	432305	845507	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Methylphenol (and/or 3-Methylphenol)	DCBd4	Ave	+++++ 1088921	16732 1574260	97778 2192249	295712	566860	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	+++++ 799965	13774 1152609	69534 1578370	218213	414592	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	+++++ 822864	+++++ 1186144	71822 1636725	228535	430539	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd4	Ave	+++++ 1770122	29217 2541422	152666 3474063	484305	919795	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	+++++ 532378	+++++ 754814	45736 1048389	142965	277784	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	+++++ 1174978	19456 1687562	101856 2331682	320131	622421	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	+++++ 566260	9103 822724	45715 1143057	150549	291164	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	+++++ 2042030	32054 2975562	165180 4158859	541036	1048344	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	+++++ 632005	8996 924686	50302 1300209	164676	322727	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	+++++ 1115129	16562 1625461	91950 2268423	298959	584892	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	+++++ 600210	+++++ 856379	48204 1188477	161432	302456	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzoic acid	NPT	Lin	+++++ 733718	+++++ 1005711	99484 1742699	320686	433687	+++++ 12.5	+++++ 20.0	3.75 30.0	7.50	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 1351257	22733 1968848	115285 2644296	366166	709631	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	+++++	15762	81250	266053	508129	+++++	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			992110	1441996	2009161			12.5	20.0	30.0		
1,2,4-Trichlorobenzene	NPT	Ave	+++++ 1056183	16944 1531551	90737 2133815	285958	551008	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	29391 3409610	56570 4940999	292631 6845041	928090	1762319	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 1329895	20490 1932861	109152 2693157	352436	682226	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	+++++ 953990	14001 1374093	78433 1908719	256485	493357	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	+++++ 632006	+++++ 918129	50683 1273028	165683	320624	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	+++++ 628999	10787 906301	54085 1256391	169081	320100	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	+++++ 2118667	+++++ 3051397	174973 4287462	561563	1097871	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	+++++ 365725	+++++ 503770	24650 736707	92333	181911	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 721354	+++++ 1334690	57625 1872046	187704	369564	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	+++++ 959306	14295 1392707	74030 1949869	248217	496559	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	+++++ 887952	+++++ 1279498	72275 1809202	234656	458121	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	18975 2244864	36968 3290525	189626 4573192	606700	1164763	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	16789 2147510	33935 3142494	181837 4348659	581068	1121570	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	+++++ 624635	+++++ 921075	51134 1281981	163755	327219	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	+++++ 1032836	17466 1507270	86596 2074609	280135	533448	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 155910	+++++ 230053	12830 319759	42335	80513	+++++ 2.00	+++++ 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	+++++ 713225	10090 1031981	54032 1459787	183546	365424	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	+++++ 761233	10657 1106559	60055 1521810	200603	379354	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	+++++ 886256	+++++ 1262929	72135 1767785	235893	458179	+++++ 10.5	+++++ 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	+++++ 3029025	47729 4123368	230733 5951308	778638	1504242	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	+++++	32848	188305	586462	1086307	+++++	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			2181814	3074736	4412020			12.5	20.0	30.0		
1-Chloronaphthalene	ANT	Ave	+++++ 1881540	35006 2772859	162504 3721693	526890	1023567	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	+++++ 1485300	24053 2163176	126993 2975036	405812	765193	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 721074	9519 1037488	55394 1433415	187645	373369	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	+++++ 917814	+++++ 1310577	68848 1786638	238664	469838	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 374127	+++++ 541483	28409 767487	96666	192550	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	+++++ 2349528	+++++ 3377999	201248 4752635	640019	1222988	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 421038	+++++ 598181	31358 838481	109192	209437	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 557286	8464 791115	44019 1127238	148462	288723	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	23553 3010459	46979 4407972	246597 6103358	804506	1566673	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 593857	7729 869477	46063 1219704	154590	298610	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	18264 2206139	35922 3191707	189145 4439858	599471	1136846	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 354086	+++++ 541612	+++++ 773782	163612	219615	+++++ 12.5	+++++ 20.0	+++++ 30.0	7.50	10.0
4-Nitrophenol	ANT	Ave	+++++ 329539	+++++ 540992	+++++ 761667	82139	161979	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Pentachlorobenzene	ANT	Ave	+++++ 937526	15322 1350193	78797 1836672	252732	473240	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	+++++ 3015465	50383 4363267	258179 6024807	827010	1567596	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	+++++ 735490	+++++ 1085309	56528 1509915	194012	373236	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	+++++ 2150599	+++++ 3173194	+++++ 4394146	574943	1107236	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	+++++ 574758	8002 840529	44194 1173106	153422	288581	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	+++++ 2112567	+++++ 3147594	+++++ 4396462	546682	1007016	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	+++++ 2392792	+++++ 3520657	192431 4910368	617279	1222469	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	19315	38798	206211	655572	1246580	0.125	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			2412667	3472334	4822778			12.5	20.0	30.0		
Thionazin	ANT	Ave	+++++ 414192	+++++ 605465	33598 832525	109586	212322	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	+++++ 684817	8834 987080	53943 1377794	179433	345148	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	+++++ 1147204	19602 1653197	100319 2258972	313603	589574	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 629024	8176 897431	51982 1241844	172400	322016	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 454896	+++++ 659198	+++++ 947844	107864	215845	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
N-Nitrosodiphenylamine	PHN	Ave	+++++ 2020735	30449 2916468	164419 4100085	547802	1019821	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Diphenylhydrazine	PHN	Ave	+++++ 2211748	35315 3176985	185434 4484581	593611	1157112	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	+++++ 380851	+++++ 561290	29631 790194	98076	193924	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 722546	+++++ 1060739	56912 1486958	188799	372229	+++++ 9.25	+++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	+++++ 1382187	18684 2024301	103546 2848144	347874	707307	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 1183389	13801 1717269	82982 2406852	295340	598903	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	+++++ 673750	11114 971337	57362 1350689	181830	342772	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 254486	+++++ 369813	20691 515225	65624	130124	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	6526 766865	12468 1123876	66144 1565600	208029	395481	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	+++++ 937479	+++++ 1350085	66420 1884863	235079	474228	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	+++++ 732897	+++++ 975818	52788 1326478	184873	360960	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 544877	+++++ 793035	37756 1129709	129602	265287	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	+++++ 1598034	21824 2324772	122157 3101779	402456	783134	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	+++++ 311570	+++++ 454451	23621 640005	79824	156478	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	+++++ 1159187	14334 1670927	81990 2366792	291810	579542	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++	+++++	+++++	146374	305760	+++++	+++++	+++++	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			657807	987163	1412056			12.5	20.0	30.0		
Phenanthrene	PHN	Ave	28339 3478845	56119 5031275	291029 6994846	938688	1760284	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	27520 3559729	52551 5218017	291681 7253379	949507	1808717	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	+++++ 3377295	49143 4910515	265327 6970674	887903	1706215	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	+++++ 810491	+++++ 1179451	51369 1661323	191852	396723	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	+++++ 4410863	+++++ 6449053	329140 8741464	1106550	2239520	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	+++++ 501947	+++++ 739845	30778 1047967	121021	248047	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 445072	+++++ 687704	+++++ 991385	87676	202888	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	+++++ 337330	+++++ 505725	26877 667221	87851	176360	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 430453	6786 631638	34759 891227	111113	222252	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	30743 4174695	59454 6055102	329985 8527467	1079081	2099359	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 8354387	+++++ 11951168	+++++ 15254856	2147072	4330134	+++++ 37.5	+++++ 60.0	+++++ 90.0	11.3	22.5
Pyrene	PYR10	Ave	33737 4182775	68156 6067584	350002 8379156	1122397	2132603	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	+++++ 762427	8715 1110209	49903 1568125	187711	376696	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	+++++ 1254839	+++++ 1827039	89400 2570804	316517	624354	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 2857447	+++++ 4140551	189352 5729677	697020	1465395	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 1958081	+++++ 2817808	140699 4008994	495643	985418	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 1677299	+++++ 2487155	94855 3565639	380817	808087	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 1551843	+++++ 2288139	101654 3220983	372089	766595	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	24949 3822945	49736 5528709	287815 7751078	981164	1914369	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++ 776911	+++++ 1122253	+++++ 1571351	184428	388741	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Chrysene	PYR10	Ave	25846	53522	304729	992152	1911181	0.125	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			3752396	5364411	7562736			12.5	20.0	30.0		
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 2842894	+++++ 4110973	189928 5808109	695534	1450579	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	+++++ 2767271	+++++ 4045734	205719 5784732	696984	1408032	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	+++++ 5045297	+++++ 7467488	310209 10768035	1201269	2538646	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	28005 4158913	53029 6067953	299958 8601079	1038973	2096389	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	+++++ 1871865	23684 2754603	134220 3887622	470004	954041	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	27091 3910881	52435 5635421	304431 8053765	1006853	1996170	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	25136 3850491	47790 5634451	271438 8151707	941089	1919455	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	+++++ 2010676	22718 2963174	132220 4308758	477557	1006620	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	+++++ 3159896	+++++ 4654347	206966 6599207	750851	1553514	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	+++++ 3319323	+++++ 4822412	228238 6703400	787271	1615412	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	29742 3647124	46000 5475267	252975 7533008	882068	1776587	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	29779 3843420	48119 5526208	269452 7665039	945322	1915736	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	34170 3780026	49351 5494093	274937 7420819	950960	1877819	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	+++++ 2169542	36617 3195242	183179 4555495	581203	1156906	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	+++++ 2565814	41838 3785650	216395 5350080	688771	1354819	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	+++++ 2329675	37678 3347710	196538 4684227	624019	1222767	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	+++++ 5078889	82736 7295642	430839 10006176	1370699	2606274	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	+++++ 782892	11423 1149227	61840 1613021	209198	401705	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	+++++ 6249200	91845 8971835	507647 11970197	1647490	3175087	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 70201

SDG No.:

Instrument ID: HP18831 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/24/2020 22:09 Calibration End Date: 11/25/2020 02:20 Calibration ID: 16227

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1901.D
Lims ID: ICIS L5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 24-Nov-2020 22:09:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0016459-002
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub4

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:30:55 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:55:53

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.482	2.482	0.000	94	234969	7.50	7.99	
	2 N-Nitrosodimethylamine	74	3.024	3.024	0.000	90	351819	7.50	7.75	
	3 Pyridine	79	3.059	3.059	0.000	84	627635	7.50	7.76	
	5 2-Picoline	93	4.219	4.219	0.000	91	659938	7.50	7.80	
	6 N-Nitrosomethylethylamine	88	4.411	4.411	0.000	96	267420	7.50	7.68	
	9 Methyl methanesulfonate	80	4.854	4.854	0.000	87	259925	7.50	7.67	
$	10 2-Fluorophenol	112	5.081	5.081	0.000	94	1156906	15.0	15.7	
	11 N-Nitrosodiethylamine	102	5.419	5.419	0.000	91	283013	7.50	7.97	
	13 Ethyl methanesulfonate	109	5.868	5.868	0.000	99	299530	7.50	7.67	
	15 Benzaldehyde	77	6.329	6.329	0.000	92	496010	7.50	8.24	
$	16 Phenol-d5	99	6.439	6.439	0.000	97	1354819	15.0	15.6	
	17 Phenol	94	6.457	6.457	0.000	92	792977	7.50	7.85	
	18 Aniline	93	6.486	6.486	0.000	96	934624	7.50	7.87	
	19 Bis(2-chloroethyl)ether	93	6.603	6.603	0.000	94	601429	7.50	7.79	
	20 2-Chlorophenol	128	6.655	6.655	0.000	95	620248	7.50	7.84	
	22 1,3-Dichlorobenzene	146	6.882	6.882	0.000	98	694783	7.50	7.77	a
*	23 1,4-Dichlorobenzene-d4	152	6.976	6.976	0.000	95	283462	5.00	5.00	
	24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	95	699419	7.50	7.74	a
	26 Benzyl alcohol	108	7.185	7.185	0.000	93	399437	7.50	8.07	
	27 1,2-Dichlorobenzene	146	7.215	7.215	0.000	98	664083	7.50	7.76	a
	28 Indene	115	7.354	7.354	0.000	90	871651	7.50	7.88	
	30 2-Methylphenol	108	7.360	7.360	0.000	96	542402	7.50	7.86	
	32 2,2'-oxybis[1-chloropropane]	45	7.413	7.413	0.000	93	1073156	7.50	7.86	
	33 N-Nitrosopyrrolidine	100	7.541	7.541	0.000	85	292724	7.50	7.88	
	34 Acetophenone	105	7.582	7.582	0.000	96	845507	7.50	7.74	
	36 4-Methylphenol	108	7.599	7.599	0.000	96	566860	7.50	7.76	
	35 N-Nitrosodi-n-propylamine	70	7.605	7.605	0.000	89	414592	7.50	7.67	
	37 N-Nitrosomorpholine	56	7.611	7.611	0.000	80	430539	7.50	7.68	a
	38 2-Toluidine	106	7.634	7.634	0.000	95	919795	7.50	7.74	
	40 Hexachloroethane	117	7.728	7.728	0.000	96	277784	7.50	7.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	7.803	7.803	0.000	91	1222767	15.0	15.7	
42 Nitrobenzene	77	7.832	7.832	0.000	90	622421	7.50	7.84	
43 N-Nitrosopiperidine	114	8.060	8.060	0.000	80	291164	7.50	7.75	
45 Isophorone	82	8.211	8.211	0.000	96	1048344	7.50	7.75	
46 2-Nitrophenol	139	8.322	8.322	0.000	88	322727	7.50	7.83	
48 2,4-Dimethylphenol	107	8.415	8.415	0.000	93	584892	7.50	7.92	
50 Benzoic acid	105	8.538	8.538	0.000	90	433687	10.0	9.76	
49 o,o',o''-Triethylphosphorothioat	198	8.544	8.544	0.000	83	302456	7.50	7.58	
51 Bis(2-chloroethoxy)methane	93	8.573	8.573	0.000	97	709631	7.50	7.79	
52 2,4-Dichlorophenol	162	8.695	8.695	0.000	94	508129	7.50	7.71	
53 1,2,4-Trichlorobenzene	180	8.829	8.829	0.000	94	551008	7.50	7.76	
* 54 Naphthalene-d8	136	8.911	8.911	0.000	100	1053938	5.00	5.00	
55 Naphthalene	128	8.946	8.946	0.000	97	1762319	7.50	7.62	
57 4-Chloroaniline	127	9.039	9.039	0.000	96	682226	7.50	7.76	
S 56 Dinitrotoluene	165				0		15.0	15.4	
58 2,6-Dichlorophenol	162	9.051	9.051	0.000	96	493357	7.50	7.87	
59 Hexachloropropene	213	9.091	9.091	0.000	88	320624	7.50	7.62	
60 Hexachlorobutadiene	225	9.167	9.167	0.000	97	320100	7.50	7.55	
62 Quinoline	129	9.464	9.464	0.000	97	1097871	7.50	7.71	
63 Caprolactam	113	9.558	9.558	0.000	76	181911	7.50	7.81	
64 N-Nitrosodi-n-butylamine	84	9.610	9.610	0.000	90	369564	7.50	7.04	
S 65 Diallate	86				0		7.50	7.70	
66 4-Chloro-3-methylphenol	107	9.832	9.832	0.000	96	496559	7.50	7.94	
67 Safrole, Total	162	9.937	9.937	0.000	91	458121	7.50	7.69	
68 2-Methylnaphthalene	142	10.047	10.047	0.000	92	1164763	7.50	7.67	
69 1-Methylnaphthalene	142	10.199	10.199	0.000	94	1121570	7.50	7.83	
71 Hexachlorocyclopentadiene	237	10.310	10.310	0.000	95	327219	7.50	7.69	
72 1,2,4,5-Tetrachlorobenzene	216	10.315	10.315	0.000	97	533448	7.50	7.58	
73 Isosafrole Peak 1	162	10.403	10.403	0.000	90	80513	1.20	1.21	
74 2,4,6-Trichlorophenol	196	10.508	10.508	0.000	92	365424	7.50	7.86	
75 2,4,5-Trichlorophenol	196	10.549	10.549	0.000	95	379354	7.50	7.64	
$ 76 2-Fluorobiphenyl (Surr)	172	10.659	10.659	0.000	100	2606274	15.0	15.2	
77 Isosafrole Peak 2	162	10.764	10.764	0.000	93	458179	6.30	6.44	
78 1,1'-Biphenyl	154	10.811	10.811	0.000	96	1504242	7.50	7.66	
79 2-Chloronaphthalene	162	10.817	10.817	0.000	97	1086307	7.50	7.47	
80 1-Chloronaphthalene	162	10.852	10.852	0.000	98	1023567	7.50	7.75	
81 Phenyl ether	170	10.986	10.986	0.000	85	765193	7.50	7.58	
82 2-Nitroaniline	138	10.992	10.992	0.000	81	373369	7.50	8.01	
84 1,4-Naphthoquinone	158	11.108	11.108	0.000	91	469838	7.50	7.76	
85 1,4-Dinitrobenzene	168	11.225	11.225	0.000	97	192550	7.50	7.71	
86 Dimethyl phthalate	163	11.330	11.330	0.000	98	1222988	7.50	7.59	
87 1,3-Dinitrobenzene	168	11.341	11.341	0.000	84	209437	7.50	7.57	
88 2,6-Dinitrotoluene	165	11.400	11.400	0.000	93	288723	7.50	7.82	
89 Acenaphthylene	152	11.475	11.475	0.000	98	1566673	7.50	7.78	
90 3-Nitroaniline	138	11.639	11.639	0.000	90	298610	7.50	7.76	
* 91 Acenaphthene-d10	164	11.691	11.691	0.000	97	519774	5.00	5.00	
93 Acenaphthene	153	11.738	11.738	0.000	95	1136846	7.50	7.58	
94 2,4-Dinitrophenol	184	11.790	11.790	0.000	86	219615	10.0	9.27	
95 4-Nitrophenol	109	11.889	11.889	0.000	82	161979	7.50	6.98	
96 Pentachlorobenzene	250	11.924	11.924	0.000	98	473240	7.50	7.51	
97 Dibenzofuran	168	11.977	11.977	0.000	95	1567596	7.50	7.61	
98 2,4-Dinitrotoluene	165	11.977	11.977	0.000	64	373236	7.50	7.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	12.081	12.081	0.000	98	1107236	7.50	7.49	
101 2,3,4,6-Tetrachlorophenol	232	12.146	12.146	0.000	73	288581	7.50	7.68	
103 2-Naphthylamine	143	12.186	12.186	0.000	97	1007016	7.50	7.05	
104 Diethyl phthalate	149	12.326	12.326	0.000	98	1222469	7.50	7.58	
105 Fluorene	166	12.414	12.414	0.000	95	1246580	7.50	7.66	
106 Thionazin	107	12.420	12.420	0.000	79	212322	7.50	7.59	
107 N-Nitro-o-toluidine	152	12.437	12.437	0.000	89	345148	7.50	7.80	
108 4-Chlorophenyl phenyl ether	204	12.437	12.437	0.000	93	589574	7.50	7.51	
109 4-Nitroaniline	138	12.437	12.437	0.000	83	322016	7.50	7.82	
110 4,6-Dinitro-2-methylphenol	198	12.484	12.484	0.000	84	215845	7.50	7.27	
111 N-Nitrosodiphenylamine	169	12.577	12.577	0.000	71	1019821	7.50	7.64	
112 1,2-Diphenylhydrazine	77	12.624	12.624	0.000	41	1157112	7.50	7.80	
$ 113 2,4,6-Tribromophenol	330	12.699	12.699	0.000	94	401705	15.0	15.5	
114 Sulfotepp	97	12.804	12.804	0.000	82	193924	7.50	7.65	
115 cis-Diallate	86	12.944	12.944	0.000	86	372229	5.55	5.71	
116 Phorate	75	12.956	12.956	0.000	95	707307	7.50	7.98	
117 Phenacetin	108	12.967	12.967	0.000	92	598903	7.50	8.15	
118 4-Bromophenyl phenyl ether	248	13.026	13.026	0.000	65	342772	7.50	7.57	
119 trans-Diallate	86	13.049	13.049	0.000	89	130124	1.95	2.00	
120 Hexachlorobenzene	284	13.078	13.078	0.000	95	395481	7.50	7.59	
121 Dimethoate	87	13.148	13.148	0.000	95	474228	7.50	7.83	
122 Atrazine	200	13.253	13.253	0.000	92	360960	7.50	7.86	
123 Pentachlorophenol	266	13.329	13.329	0.000	93	265287	7.50	7.62	
125 4-Aminobiphenyl	169	13.346	13.346	0.000	90	783134	7.50	7.74	
124 Pentachloronitrobenzene	237	13.346	13.346	0.000	87	156478	7.50	7.63	
126 Pronamide	173	13.445	13.445	0.000	90	579542	7.50	8.00	
* 127 Phenanthrene-d10	188	13.568	13.568	0.000	98	998693	5.00	5.00	
128 Dinoseb	211	13.585	13.585	0.000	97	305760	7.50	7.14	
129 Phenanthrene	178	13.597	13.597	0.000	97	1760284	7.50	7.58	
130 Anthracene	178	13.667	13.667	0.000	97	1808717	7.50	7.74	
131 Carbazole	167	13.883	13.883	0.000	96	1706215	7.50	7.73	
132 Methyl parathion	109	14.087	14.087	0.000	94	396723	7.50	7.77	
133 Di-n-butyl phthalate	149	14.395	14.395	0.000	99	2239520	7.50	7.79	
134 Ethyl Parathion	109	14.634	14.634	0.000	83	248047	7.50	7.80	
135 4-Nitroquinoline-1-oxide	190	14.640	14.640	0.000	93	202888	7.50	7.08	
136 Octachlorostyrene	308	14.984	14.984	0.000	93	176360	7.50	7.82	
137 Isodrin	193	15.031	15.031	0.000	94	222252	7.50	7.77	
138 Fluoranthene	202	15.252	15.252	0.000	97	2099359	7.50	7.82	
139 Benzidine	184	15.480	15.480	0.000	99	4330134	22.5	23.5	
* 140 Pyrene-d10 (IS)	212	15.561	15.561	0.000	100	1023605	5.00	5.00	
141 Pyrene	202	15.590	15.590	0.000	98	2132603	7.50	7.53	
$ 142 p-Terphenyl-d14	244	15.876	15.876	0.000	99	3175087	15.0	15.5	
143 p-Dimethylamino azobenzene	225	16.109	16.109	0.000	95	376696	7.50	8.00	
144 Chlorobenzilate	139	16.202	16.202	0.000	91	624354	7.50	7.61	
145 3,3'-Dimethylbenzidine	212	16.669	16.669	0.000	99	1465395	7.50	7.96	
146 Butyl benzyl phthalate	149	16.733	16.733	0.000	97	985418	7.50	7.69	
147 2-Acetylaminofluorene	181	17.082	17.082	0.000	95	808087	7.50	7.70	
149 3,3'-Dichlorobenzidine	252	17.590	17.590	0.000	73	766595	7.50	7.69	
148 Benzo[a]anthracene	228	17.601	17.601	0.000	99	1914369	7.50	7.94	
150 4,4'-Methylene bis(2-chloroani	231	17.613	17.613	0.000	95	388741	7.50	7.58	
151 Chrysene	228	17.665	17.665	0.000	97	1911181	7.50	7.84	
152 Bis(2-ethylhexyl) phthalate	149	17.799	17.799	0.000	97	1450579	7.50	7.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	18.464	18.464	0.000	99	1408032	7.50	7.68	
154 Di-n-octyl phthalate	149	18.959	18.959	0.000	99	2538646	7.50	7.90	
155 Benzo[b]fluoranthene	252	19.449	19.449	0.000	98	2096389	7.50	7.94	
156 7,12-Dimethylbenz(a)anthracene	256	19.461	19.461	0.000	92	954041	7.50	7.96	
157 Benzo[k]fluoranthene	252	19.501	19.501	0.000	99	1996170	7.50	7.87	
158 Benzo[a]pyrene	252	19.973	19.973	0.000	78	1919455	7.50	7.93	
* 159 Perylene-d12	264	20.067	20.067	0.000	98	1063296	5.00	5.00	
160 3-Methylcholanthrene	268	20.551	20.551	0.000	93	1006620	7.50	8.06	
161 Dibenz[a,h]acridine	279	21.355	21.355	0.000	91	1553514	7.50	7.72	
162 Dibenz[a,j]acridine	279	21.425	21.425	0.000	96	1615412	7.50	7.66	
163 Indeno[1,2,3-cd]pyrene	276	21.670	21.670	0.000	99	1776587	7.50	7.56	M
164 Dibenz(a,h)anthracene	278	21.710	21.710	0.000	92	1915736	7.50	7.83	
165 Benzo[g,h,i]perylene	276	22.060	22.060	0.000	98	1877819	7.50	7.55	
S 166 Isosafrole	162				0		7.50	7.65	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_5_00007 Amount Added: 1.00 Units: mL

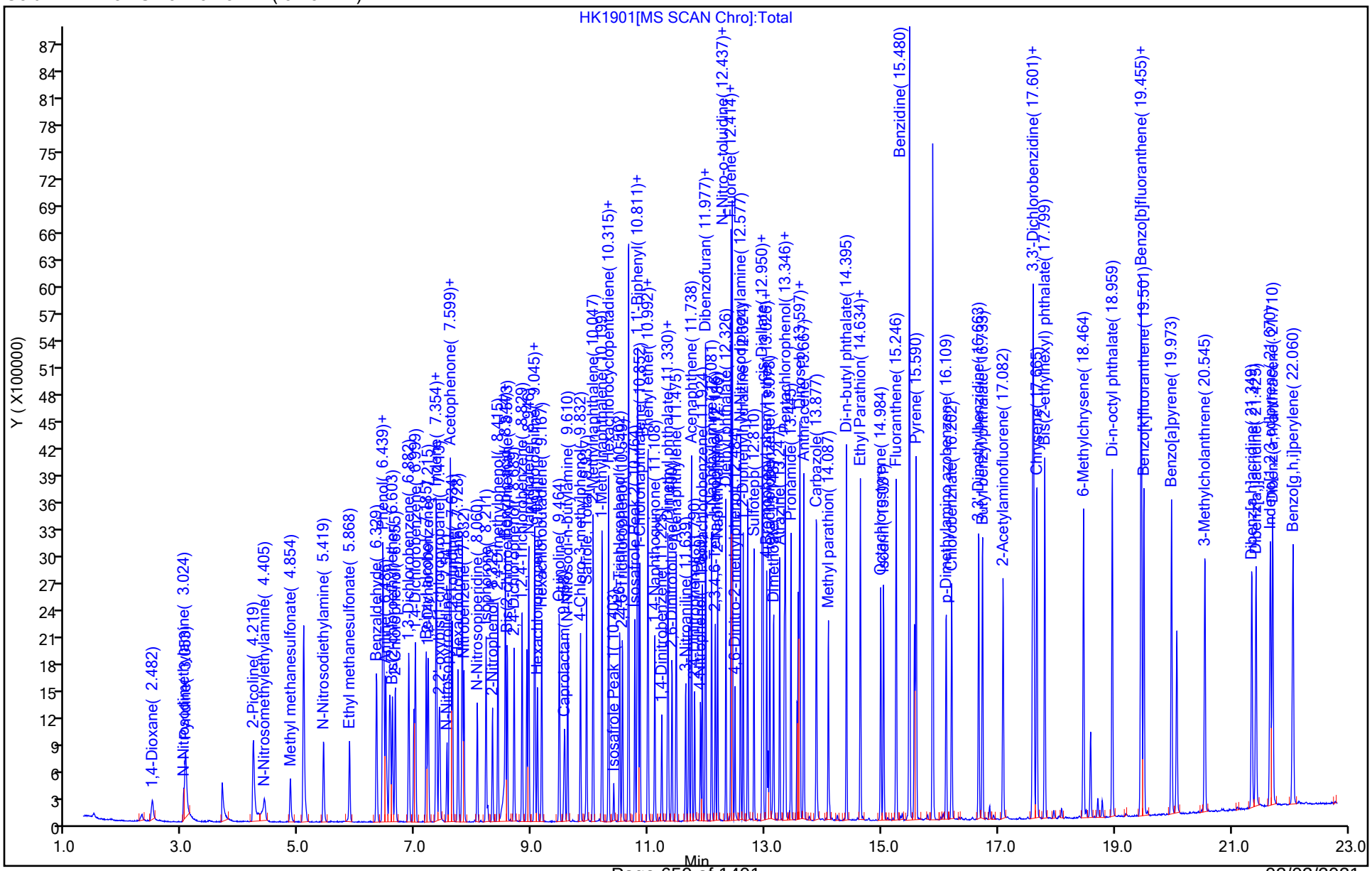
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Eurofins Lancaster Laboratories Env, LLC

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Lims ID:	ICIS L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

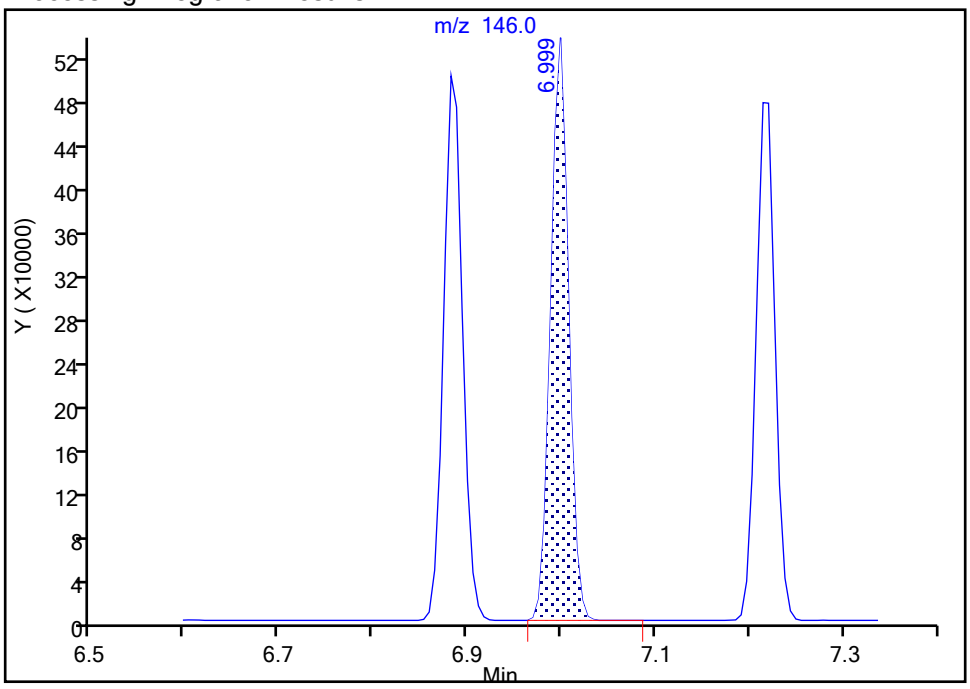
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Lims ID:	ICIS L5				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

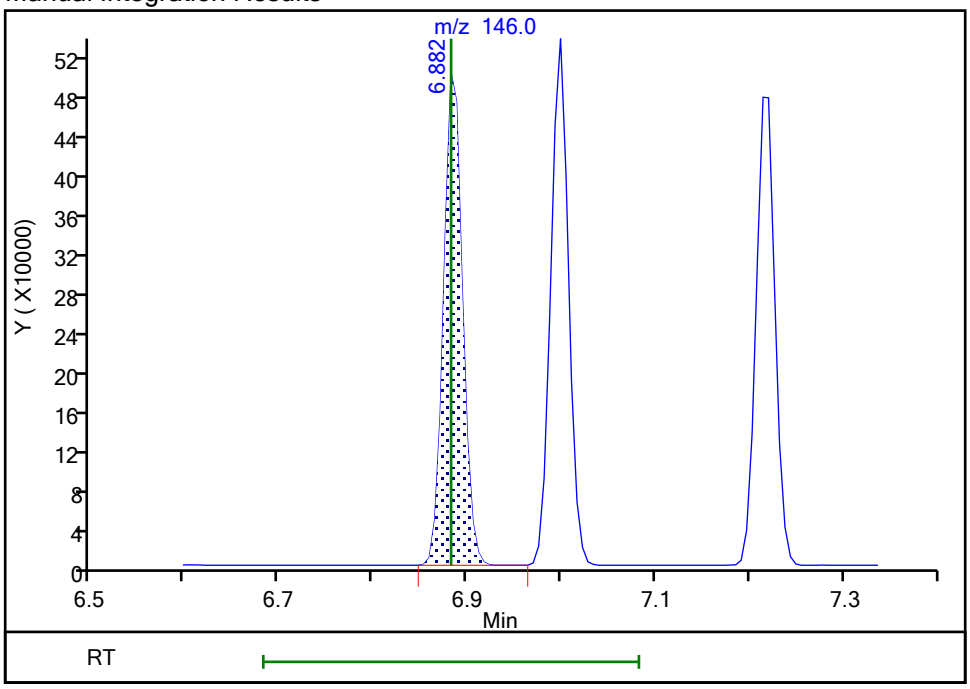
Processing Integration Results

RT: 7.00
Area: 699419
Amount: 7.744319
Amount Units: ug/ml



Manual Integration Results

RT: 6.88
Area: 694783
Amount: 7.767622
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:55:34

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

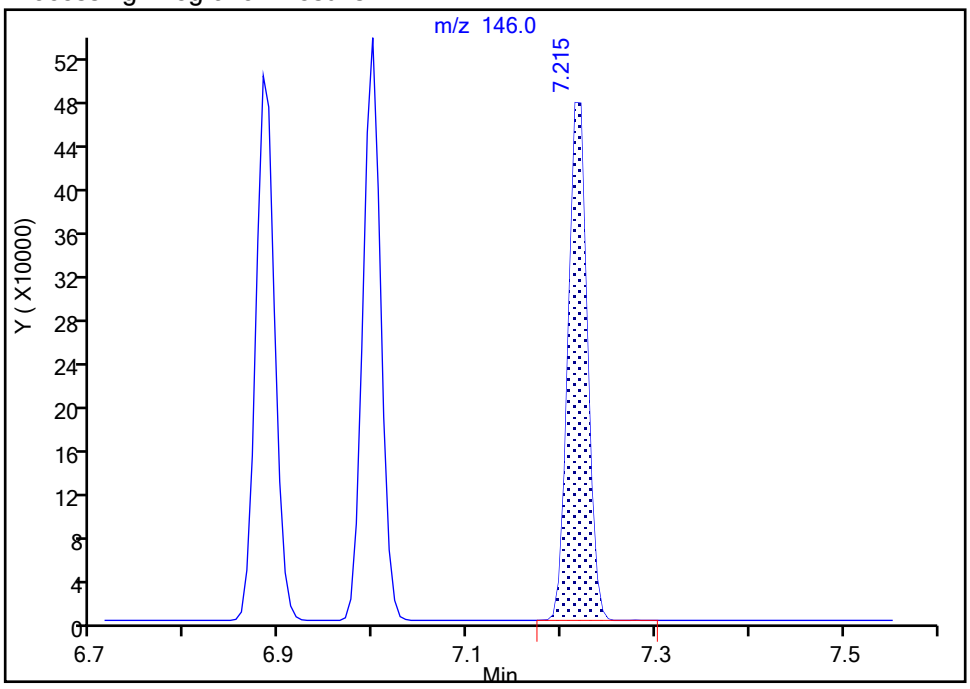
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Lims ID:	ICIS L5				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

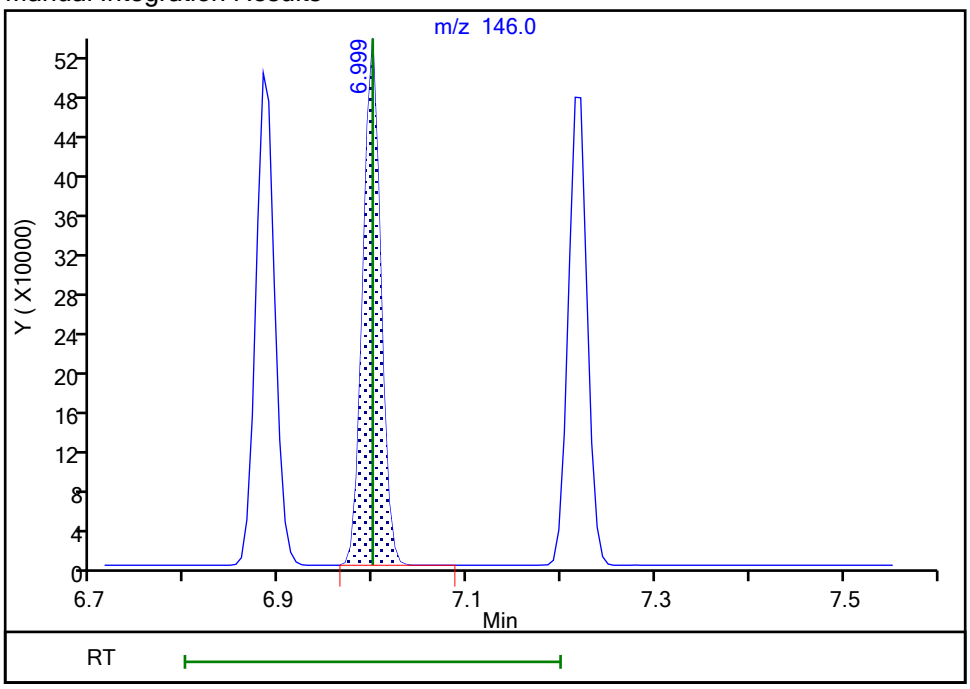
Processing Integration Results

RT: 7.21
Area: 664083
Amount: 7.755727
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 699419
Amount: 7.744319
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:24:11

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

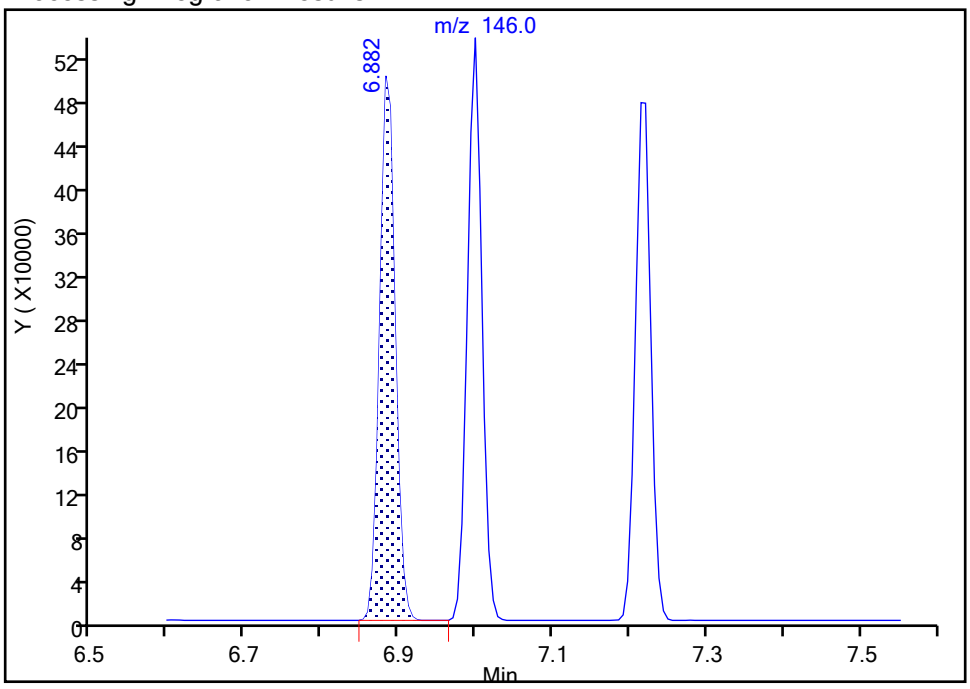
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Lims ID:	ICIS L5				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

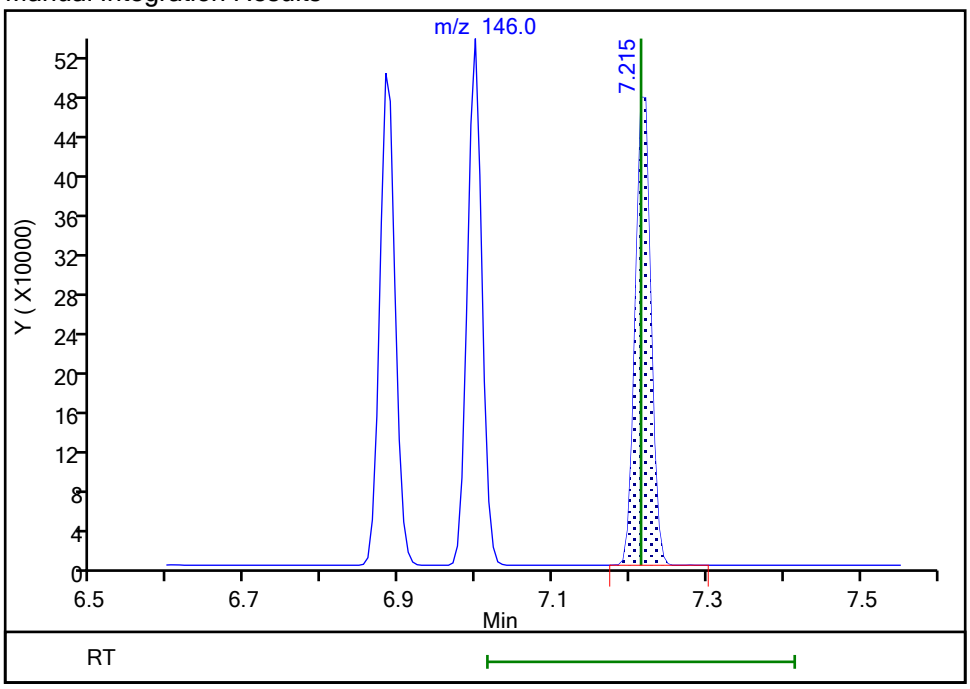
Processing Integration Results

RT: 6.88
Area: 694783
Amount: 7.767622
Amount Units: ug/ml



Manual Integration Results

RT: 7.21
Area: 664083
Amount: 7.755727
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:24:17

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

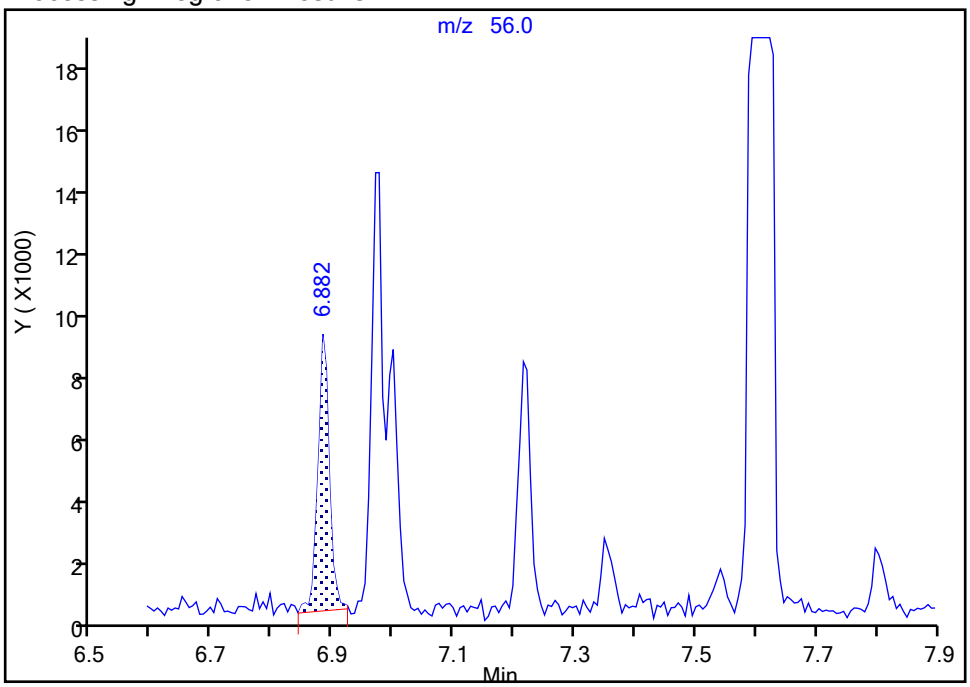
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Lims ID:	ICIS L5		
Client ID:			
Operator ID:	sw30417	ALS Bottle#:	2 Worklist Smp#: 2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

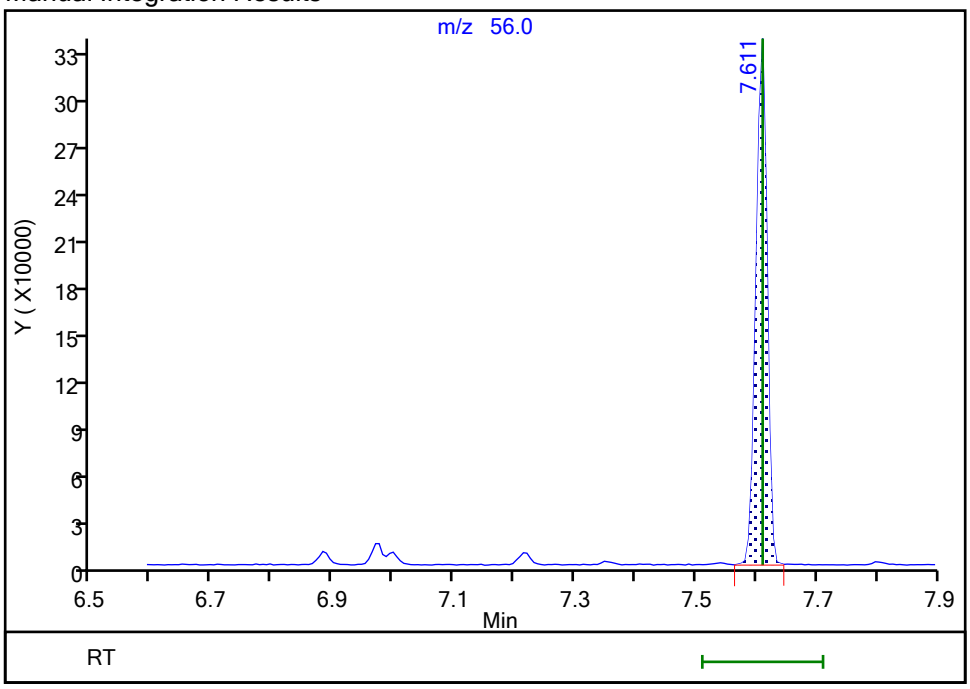
Processing Integration Results

RT: 6.88
Area: 11152
Amount: 7.271491
Amount Units: ug/ml



Manual Integration Results

RT: 7.61
Area: 430539
Amount: 7.681461
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:20:58

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

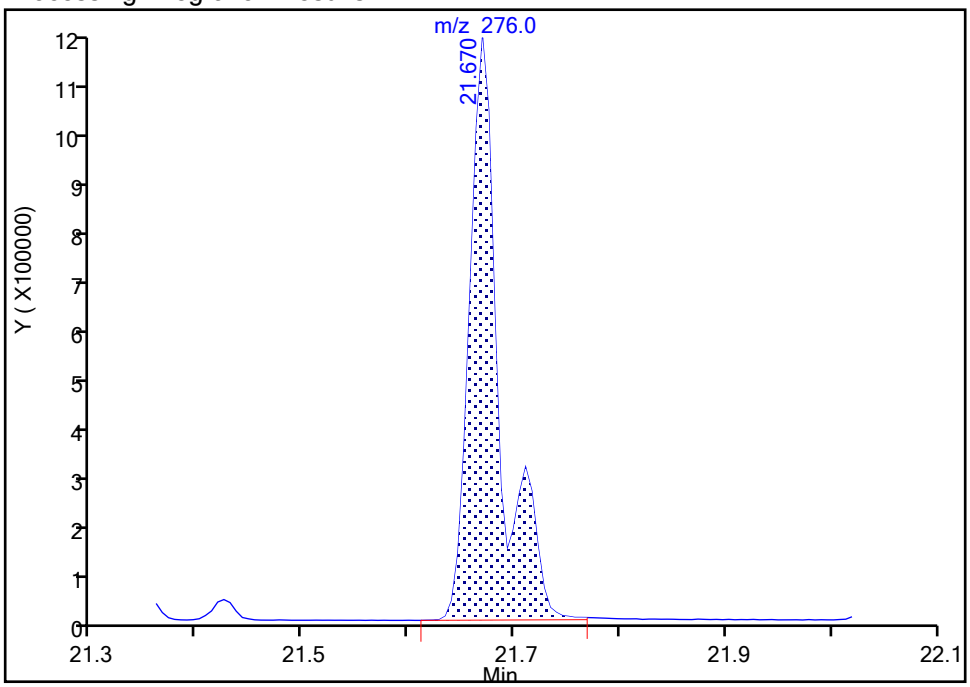
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Injection Date:	24-Nov-2020 22:09:30	Instrument ID:	HP18831		
Lims ID:	ICIS L5				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

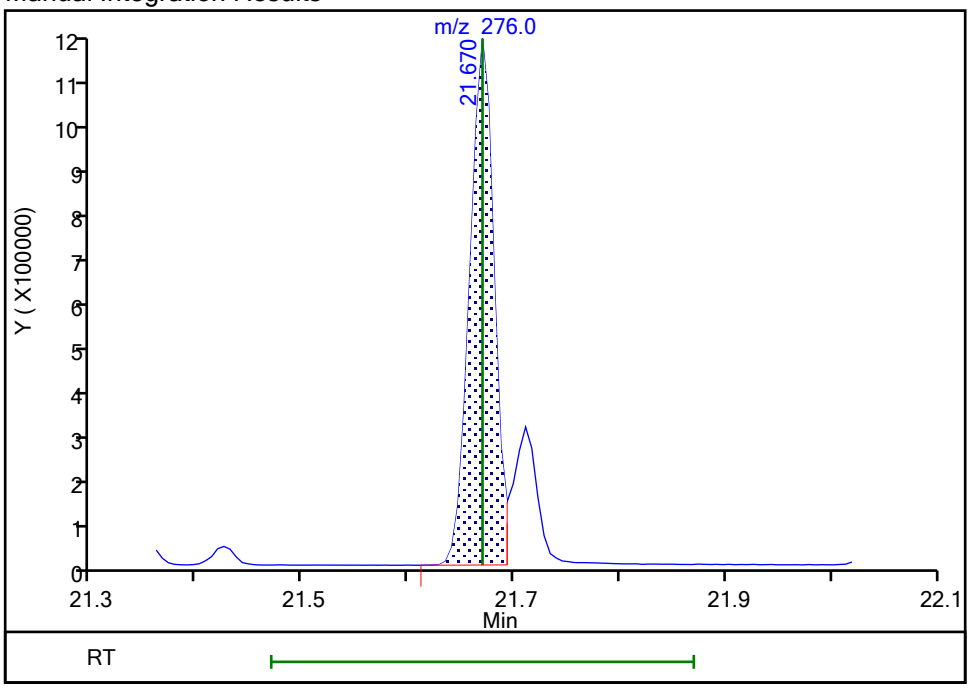
Processing Integration Results

RT: 21.67
Area: 2226490
Amount: 8.006576
Amount Units: ug/ml



Manual Integration Results

RT: 21.67
Area: 1776587
Amount: 7.561953
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:07:41

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1902.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Nov-2020 23:28:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0016459-003
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub4

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:31:07 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:05:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.499	2.482	0.017	72	3587	0.1250	0.1232	
2 N-Nitrosodimethylamine	74	3.053	3.024	0.029	26	4334	0.1250	0.0965	
3 Pyridine	79	3.105	3.059	0.046	79	7983	0.1250	0.0997	
5 2-Picoline	93	4.236	4.219	0.017	90	10877	0.1250	0.1298	
6 N-Nitrosomethylethylamine	88	4.428	4.411	0.017	28	4781	0.1250	0.1387	M
9 Methyl methanesulfonate	80	4.860	4.854	0.006	85	4799	0.1250	0.1431	M
$ 10 2-Fluorophenol	112	5.081	5.081	0.000	92	16978	0.2500	0.2325	
11 N-Nitrosodiethylamine	102	5.419	5.419	0.000	89	3530	0.1250	0.1004	
13 Ethyl methanesulfonate	109	5.868	5.868	0.000	98	5443	0.1250	0.1407	
15 Benzaldehyde	77	6.329	6.329	0.000	91	8825	0.1250	0.1480	
$ 16 Phenol-d5	99	6.433	6.439	-0.006	96	20353	0.2500	0.2372	
17 Phenol	94	6.451	6.457	-0.006	90	12825	0.1250	0.1283	
18 Aniline	93	6.486	6.486	0.000	41	14733	0.1250	0.1254	M
19 Bis(2-chloroethyl)ether	93	6.602	6.603	-0.001	94	10308	0.1250	0.1350	
20 2-Chlorophenol	128	6.649	6.655	-0.006	94	9801	0.1250	0.1251	
22 1,3-Dichlorobenzene	146	6.882	6.882	0.000	96	10696	0.1250	0.1208	a
* 23 1,4-Dichlorobenzene-d4	152	6.970	6.976	-0.006	96	280621	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	91	10808	0.1250	0.1209	a
26 Benzyl alcohol	108	7.185	7.185	0.000	91	5999	0.1250	0.1225	
27 1,2-Dichlorobenzene	146	7.214	7.215	-0.001	96	10394	0.1250	0.1226	a
28 Indene	115	7.349	7.354	-0.005	89	15065	0.1250	0.1375	
30 2-Methylphenol	108	7.354	7.360	-0.006	72	8813	0.1250	0.1290	
32 2,2'-oxybis[1-chloropropane]	45	7.407	7.413	-0.006	94	17687	0.1250	0.1309	
33 N-Nitrosopyrrolidine	100	7.535	7.541	-0.006	78	4215	0.1250	0.1146	
34 Acetophenone	105	7.576	7.582	-0.006	94	13405	0.1250	0.1240	
36 4-Methylphenol	108	7.588	7.599	-0.011	87	8570	0.1250	0.1185	
35 N-Nitrosodi-n-propylamine	70	7.593	7.605	-0.012	88	7674	0.1250	0.1434	
37 N-Nitrosomorpholine	56	7.605	7.611	-0.006	38	7288	0.1250	0.1313	a
38 2-Toluidine	106	7.628	7.634	-0.006	94	13698	0.1250	0.1165	
40 Hexachloroethane	117	7.727	7.728	-0.001	94	4787	0.1250	0.1351	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	7.797	7.803	-0.006	92	19844	0.2500	0.2607	
42 Nitrobenzene	77	7.826	7.832	-0.006	93	10200	0.1250	0.1316	
43 N-Nitrosopiperidine	114	8.060	8.060	0.000	80	4260	0.1250	0.1162	
45 Isophorone	82	8.205	8.211	-0.006	96	16495	0.1250	0.1250	
46 2-Nitrophenol	139	8.316	8.322	-0.006	86	4595	0.1250	0.1143	
48 2,4-Dimethylphenol	107	8.409	8.415	-0.006	89	8292	0.1250	0.1150	
50 Benzoic acid	105	8.456	8.538	-0.082	92	8858	1.25	2.54	M
49 o,o',o''-Triethylphosphorothioat	198	8.538	8.544	-0.006	87	4037	0.1250	0.1037	
51 Bis(2-chloroethoxy)methane	93	8.573	8.573	0.000	89	10472	0.1250	0.1177	
52 2,4-Dichlorophenol	162	8.689	8.695	-0.006	92	7401	0.1250	0.1150	
53 1,2,4-Trichlorobenzene	180	8.829	8.829	0.000	93	8663	0.1250	0.1250	
* 54 Naphthalene-d8	136	8.911	8.911	0.000	99	1028783	5.00	5.00	
55 Naphthalene	128	8.940	8.946	-0.006	96	29391	0.1250	0.1302	
57 4-Chloroaniline	127	9.039	9.039	0.000	87	10193	0.1250	0.1188	
S 56 Dinitrotoluene	165				0		0.2500	0.2238	
58 2,6-Dichlorophenol	162	9.045	9.051	-0.006	93	7660	0.1250	0.1251	
59 Hexachloropropene	213	9.091	9.091	0.000	87	4835	0.1250	0.1177	
60 Hexachlorobutadiene	225	9.167	9.167	0.000	94	4689	0.1250	0.1134	
62 Quinoline	129	9.459	9.464	-0.005	97	17700	0.1250	0.1273	
63 Caprolactam	113	9.523	9.558	-0.035	75	2805	0.1250	0.1234	
64 N-Nitrosodi-n-butylamine	84	9.610	9.610	0.000	89	5908	0.1250	0.1153	
S 65 Diallate	86				0		0.1250	0.1270	
66 4-Chloro-3-methylphenol	107	9.826	9.832	-0.006	92	7407	0.1250	0.1214	
67 Safrole, Total	162	9.931	9.937	-0.006	89	6631	0.1250	0.1141	
68 2-Methylnaphthalene	142	10.047	10.047	0.000	95	18975	0.1250	0.1280	a
69 1-Methylnaphthalene	142	10.199	10.199	0.000	92	16789	0.1250	0.1201	a
71 Hexachlorocyclopentadiene	237	10.309	10.310	-0.001	75	4828	0.1250	0.1169	
72 1,2,4,5-Tetrachlorobenzene	216	10.315	10.315	0.000	96	8884	0.1250	0.1300	
73 Isosafrole Peak 1	162	10.397	10.403	-0.006	91	1513	0.0200	0.0234	
74 2,4,6-Trichlorophenol	196	10.502	10.508	-0.006	92	4979	0.1250	0.1104	
75 2,4,5-Trichlorophenol	196	10.548	10.549	-0.001	93	5474	0.1250	0.1136	
$ 76 2-Fluorobiphenyl (Surr)	172	10.653	10.659	-0.006	99	42135	0.2500	0.2533	
77 Isosafrole Peak 2	162	10.764	10.764	0.000	92	6886	0.1050	0.0998	
78 1,1'-Biphenyl	154	10.805	10.811	-0.006	95	23958	0.1250	0.1256	
79 2-Chloronaphthalene	162	10.817	10.817	0.000	96	16763	0.1250	0.1187	
80 1-Chloronaphthalene	162	10.846	10.852	-0.006	98	16616	0.1250	0.1296	
81 Phenyl ether	170	10.986	10.986	0.000	85	12262	0.1250	0.1252	
82 2-Nitroaniline	138	10.986	10.992	-0.006	72	5463	0.1250	0.1208	
84 1,4-Naphthoquinone	158	11.102	11.108	-0.006	90	6054	0.1250	0.1031	
85 1,4-Dinitrobenzene	168	11.225	11.225	0.000	93	2572	0.1250	0.1061	
86 Dimethyl phthalate	163	11.324	11.330	-0.006	97	18764	0.1250	0.1200	
87 1,3-Dinitrobenzene	168	11.335	11.341	-0.006	69	3251	0.1250	0.1211	
88 2,6-Dinitrotoluene	165	11.394	11.400	-0.006	89	3990	0.1250	0.1113	
89 Acenaphthylene	152	11.469	11.475	-0.006	98	23553	0.1250	0.1205	
90 3-Nitroaniline	138	11.633	11.639	-0.006	88	3951	0.1250	0.1058	
* 91 Acenaphthene-d10	164	11.685	11.691	-0.006	96	504572	5.00	5.00	
93 Acenaphthene	153	11.732	11.738	-0.006	96	18264	0.1250	0.1255	
94 2,4-Dinitrophenol	184	11.784	11.790	-0.006	84	12643	1.13	0.5498	
95 4-Nitrophenol	109	11.883	11.889	-0.006	83	10875	0.6250	0.4827	
96 Pentachlorobenzene	250	11.918	11.924	-0.006	96	7805	0.1250	0.1276	
97 Dibenzofuran	168	11.976	11.977	-0.001	96	25407	0.1250	0.1271	
98 2,4-Dinitrotoluene	165	11.976	11.977	-0.001	60	5396	0.1250	0.1125	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	12.076	12.081	-0.005	98	16917	0.1250	0.1180	
101 2,3,4,6-Tetrachlorophenol	232	12.146	12.146	0.000	76	3782	0.1250	0.1037	
103 2-Naphthylamine	143	12.180	12.186	-0.006	97	17886	0.1250	0.1290	
104 Diethyl phthalate	149	12.320	12.326	-0.006	98	18850	0.1250	0.1203	
105 Fluorene	166	12.414	12.414	0.000	93	19315	0.1250	0.1222	
106 Thionazin	107	12.414	12.420	-0.006	52	3462	0.1250	0.1274	
108 4-Chlorophenyl phenyl ether	204	12.437	12.437	0.000	89	9999	0.1250	0.1313	
109 4-Nitroaniline	138	12.431	12.437	-0.006	73	4245	0.1250	0.1063	
107 N-Nitro-o-toluidine	152	12.431	12.437	-0.006	77	4504	0.1250	0.1049	
110 4,6-Dinitro-2-methylphenol	198	12.478	12.484	-0.006	84	11053	0.6250	0.3801	
111 N-Nitrosodiphenylamine	169	12.571	12.577	-0.006	61	16191	0.1250	0.1239	
112 1,2-Diphenylhydrazine	77	12.618	12.624	-0.006	41	18415	0.1250	0.1268	
$ 113 2,4,6-Tribromophenol	330	12.699	12.699	0.000	93	5780	0.2500	0.2292	
114 Sulfotepp	97	12.804	12.804	0.000	73	3267	0.1250	0.1316	
115 cis-Diallate	86	12.944	12.944	0.000	88	5860	0.0925	0.0917	
116 Phorate	75	12.950	12.956	-0.006	93	9814	0.1250	0.1131	
117 Phenacetin	108	12.956	12.967	-0.011	94	7346	0.1250	0.1020	
118 4-Bromophenyl phenyl ether	248	13.026	13.026	0.000	67	5439	0.1250	0.1226	
119 trans-Diallate	86	13.049	13.049	0.000	81	2252	0.0325	0.0353	
120 Hexachlorobenzene	284	13.078	13.078	0.000	93	6526	0.1250	0.1279	
121 Dimethoate	87	13.136	13.148	-0.012	94	5827	0.1250	0.0982	
122 Atrazine	200	13.241	13.253	-0.012	89	5184	0.1250	0.1152	
123 Pentachlorophenol	266	13.323	13.329	-0.006	91	3463	0.1250	0.1016	
125 4-Aminobiphenyl	169	13.340	13.346	-0.006	89	11414	0.1250	0.1151	
124 Pentachloronitrobenzene	237	13.346	13.346	0.000	63	1929	0.1250	0.0960	
126 Pronamide	173	13.439	13.445	-0.006	88	6502	0.1250	0.0916	
* 127 Phenanthrene-d10	188	13.568	13.568	0.000	97	978265	5.00	5.00	
128 Dinoseb	211	13.585	13.585	0.000	60	2612	0.1250	0.0623	
129 Phenanthrene	178	13.597	13.597	0.000	97	28339	0.1250	0.1245	
130 Anthracene	178	13.661	13.667	-0.006	96	27520	0.1250	0.1202	
131 Carbazole	167	13.877	13.883	-0.006	95	26175	0.1250	0.1211	
132 Methyl parathion	109	14.081	14.087	-0.006	92	4944	0.1250	0.0989	
133 Di-n-butyl phthalate	149	14.395	14.395	0.000	99	29721	0.1250	0.1055	
134 Ethyl Parathion	109	14.629	14.634	-0.005	82	2874	0.1250	0.0923	
135 4-Nitroquinoline-1-oxide	190	14.634	14.640	-0.006	74	1667	0.1250	0.0593	
136 Octachlorostyrene	308	14.978	14.984	-0.006	88	3042	0.1250	0.1376	
137 Isodrin	193	15.031	15.031	0.000	90	4374	0.1250	0.1561	
138 Fluoranthene	202	15.246	15.252	-0.006	98	30743	0.1250	0.1169	
139 Benzidine	184	15.468	15.480	-0.012	99	187998	1.00	1.08	
* 140 Pyrene-d10 (IS)	212	15.561	15.561	0.000	100	967213	5.00	5.00	
141 Pyrene	202	15.584	15.590	-0.006	97	33737	0.1250	0.1261	
$ 142 p-Terphenyl-d14	244	15.870	15.876	-0.006	98	46287	0.2500	0.2388	
143 p-Dimethylamino azobenzene	225	16.103	16.109	-0.006	90	4139	0.1250	0.0930	
144 Chlorobenzilate	139	16.196	16.202	-0.006	90	8157	0.1250	0.1052	
145 3,3'-Dimethylbenzidine	212	16.663	16.669	-0.006	99	17001	0.1250	0.0978	
146 Butyl benzyl phthalate	149	16.727	16.733	-0.006	96	12503	0.1250	0.1032	
147 2-Acetylaminofluorene	181	17.077	17.082	-0.005	90	6534	0.1250	0.0659	
149 3,3'-Dichlorobenzidine	252	17.584	17.590	-0.006	59	10270	0.1250	0.1090	
148 Benzo[a]anthracene	228	17.595	17.601	-0.006	99	24949	0.1250	0.1095	
150 4,4'-Methylene bis(2-chloroani	231	17.613	17.613	0.000	92	4543	0.1250	0.0938	
151 Chrysene	228	17.659	17.665	-0.006	97	25846	0.1250	0.1123	
152 Bis(2-ethylhexyl) phthalate	149	17.799	17.799	0.000	96	15005	0.1250	0.0865	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	18.458	18.464	-0.006	97	18338	0.1250	0.1058	
154 Di-n-octyl phthalate	149	18.953	18.959	-0.006	98	23907	0.1250	0.0841	
155 Benzo[b]fluoranthene	252	19.443	19.449	-0.006	98	28005	0.1250	0.1199	
156 7,12-Dimethylbenz(a)anthracene	256	19.449	19.461	-0.012	91	12169	0.1250	0.1148	
157 Benzo[k]fluoranthene	252	19.490	19.501	-0.011	100	27091	0.1250	0.1207	
158 Benzo[a]pyrene	252	19.968	19.973	-0.005	77	25136	0.1250	0.1174	
* 159 Perylene-d12	264	20.061	20.067	-0.006	98	940492	5.00	5.00	
160 3-Methylcholanthrene	268	20.539	20.551	-0.011	91	12341	0.1250	0.1118	
161 Dibenz[a,h]acridine	279	21.343	21.355	-0.012	91	23437	0.1250	0.1316	
162 Dibenz[a,j]acridine	279	21.413	21.425	-0.012	95	21400	0.1250	0.1147	
163 Indeno[1,2,3-cd]pyrene	276	21.658	21.670	-0.012	98	29742	0.1250	0.1431	M
164 Dibenz(a,h)anthracene	278	21.704	21.710	-0.006	90	29779	0.1250	0.1376	
165 Benzo[g,h,i]perylene	276	22.048	22.060	-0.012	97	34170	0.1250	0.1552	
S 166 Isosafrole	162				0		0.1250	0.1231	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00008 Amount Added: 1.00 Units: mL

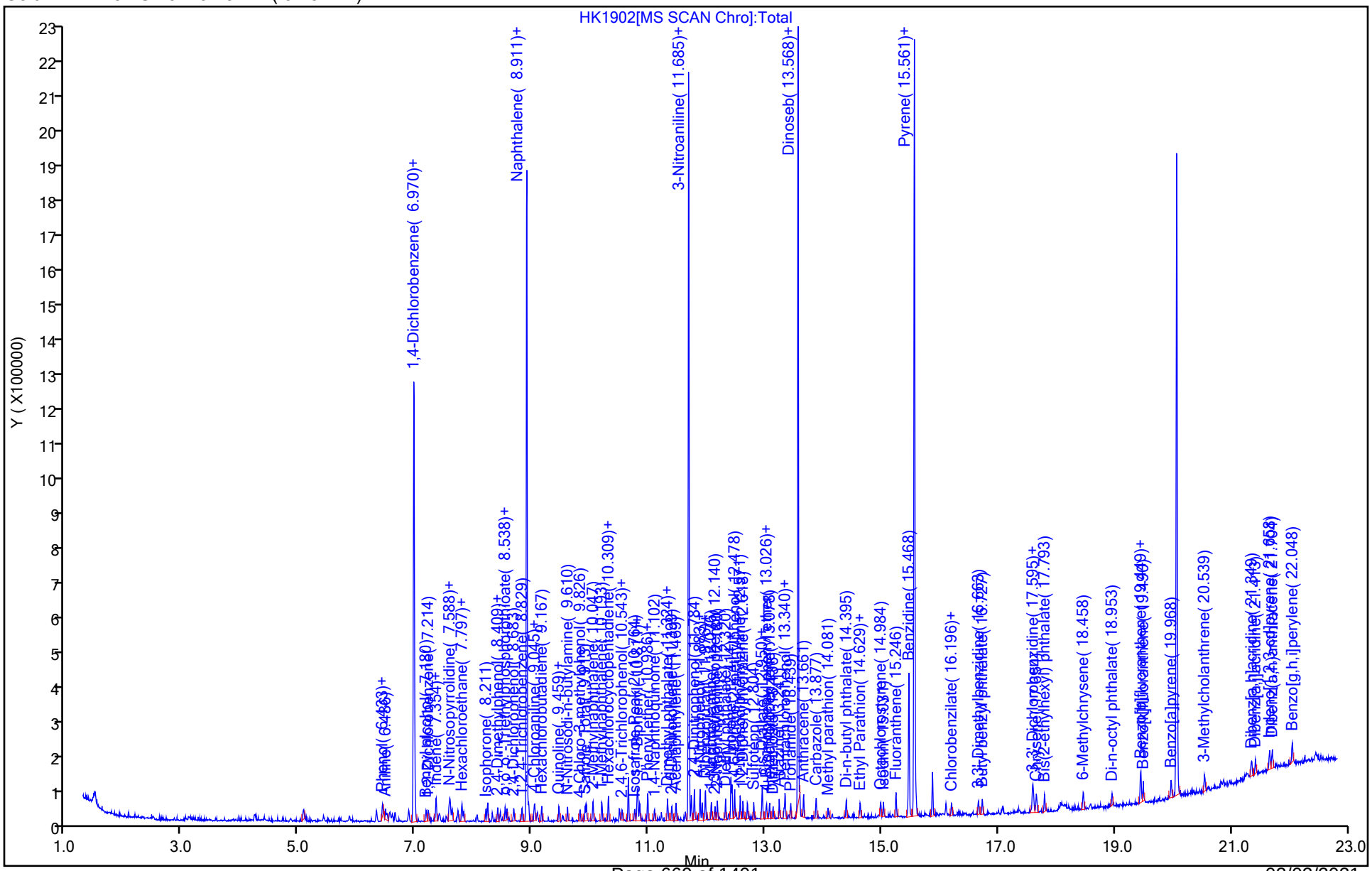
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Eurofins Lancaster Laboratories Env, LLC

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Lims ID:	IC L1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

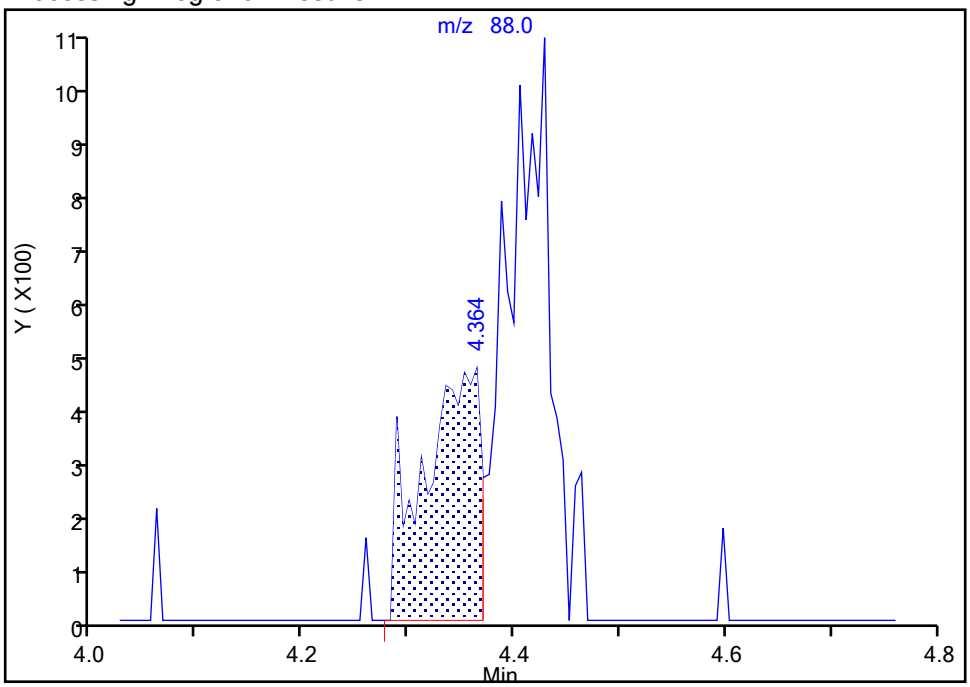
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Client ID:					
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 N-Nitrosomethylethylamine, CAS: 10595-95-6

Signal: 1

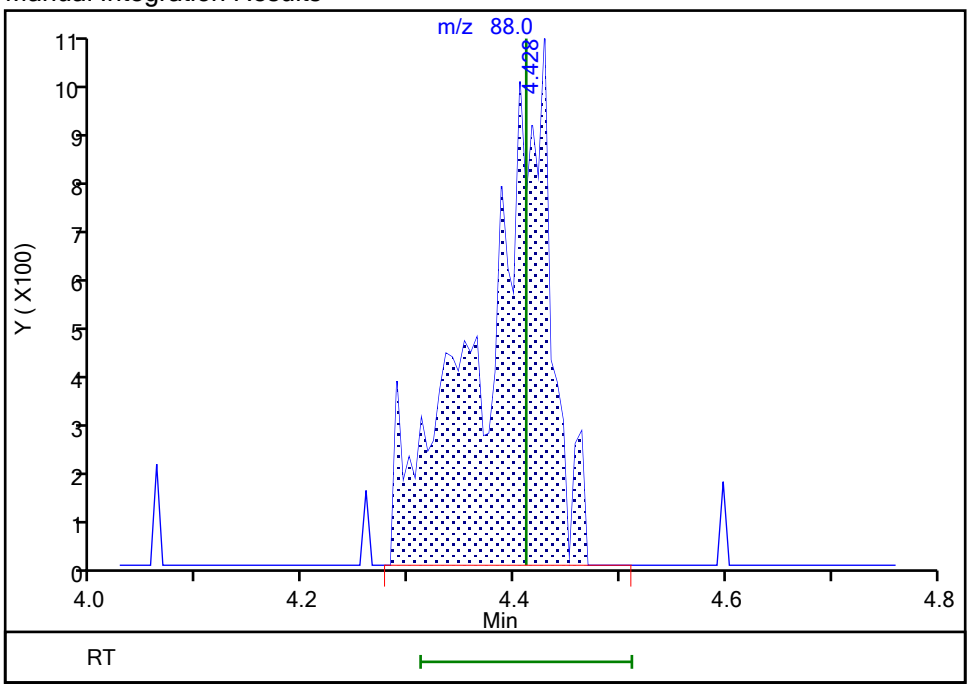
Processing Integration Results

RT: 4.36
Area: 1689
Amount: 0.049016
Amount Units: ug/ml



Manual Integration Results

RT: 4.43
Area: 4781
Amount: 0.138748
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:03:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

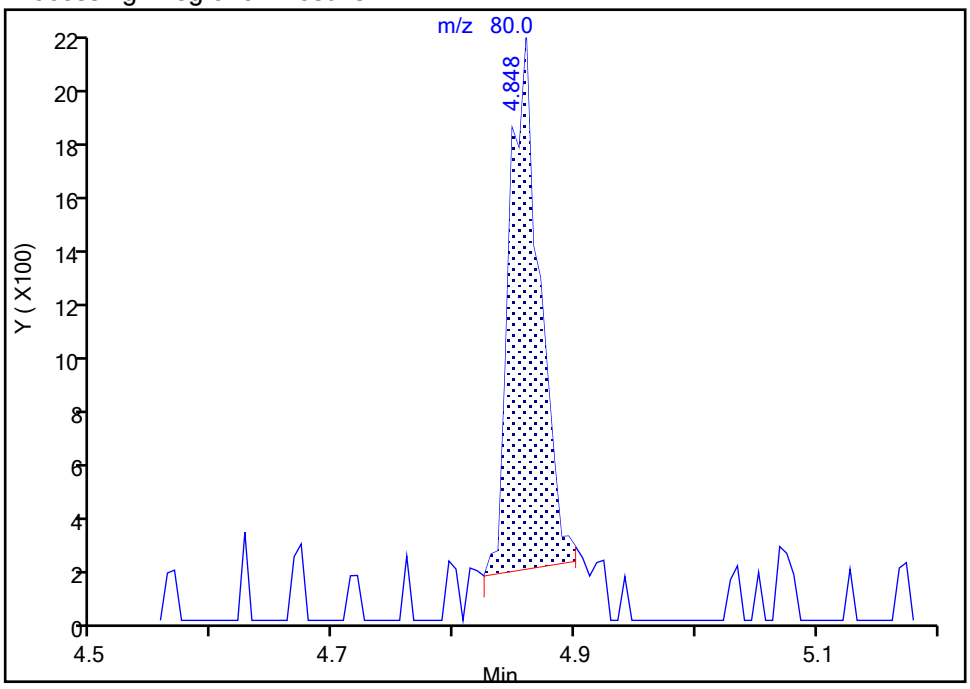
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

9 Methyl methanesulfonate, CAS: 66-27-3

Signal: 1

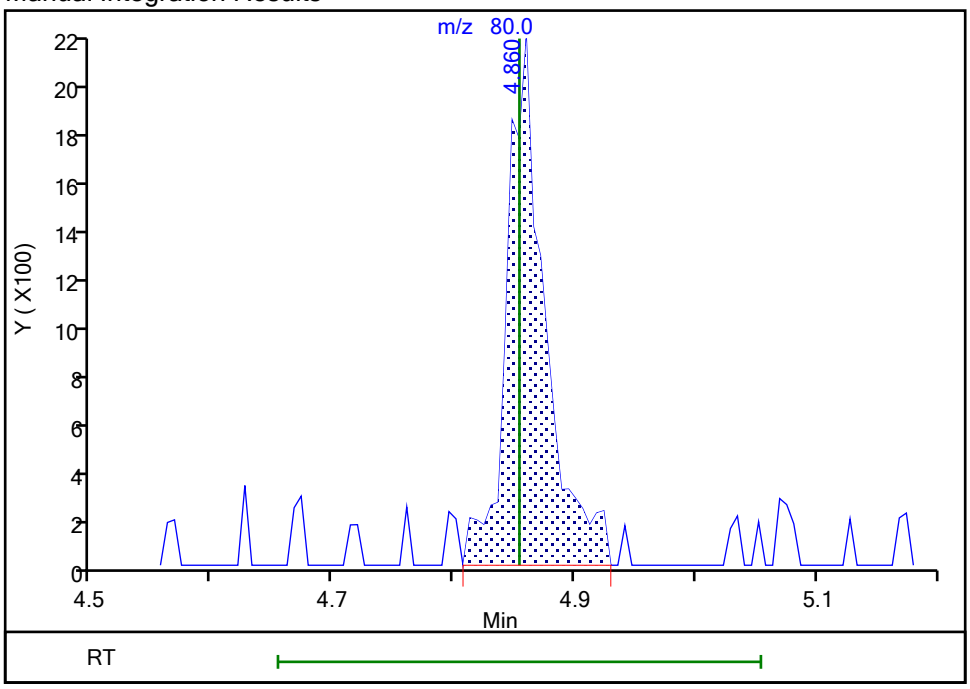
Processing Integration Results

RT: 4.85
Area: 3414
Amount: 0.101799
Amount Units: ug/ml



Manual Integration Results

RT: 4.86
Area: 4799
Amount: 0.143098
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:03:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

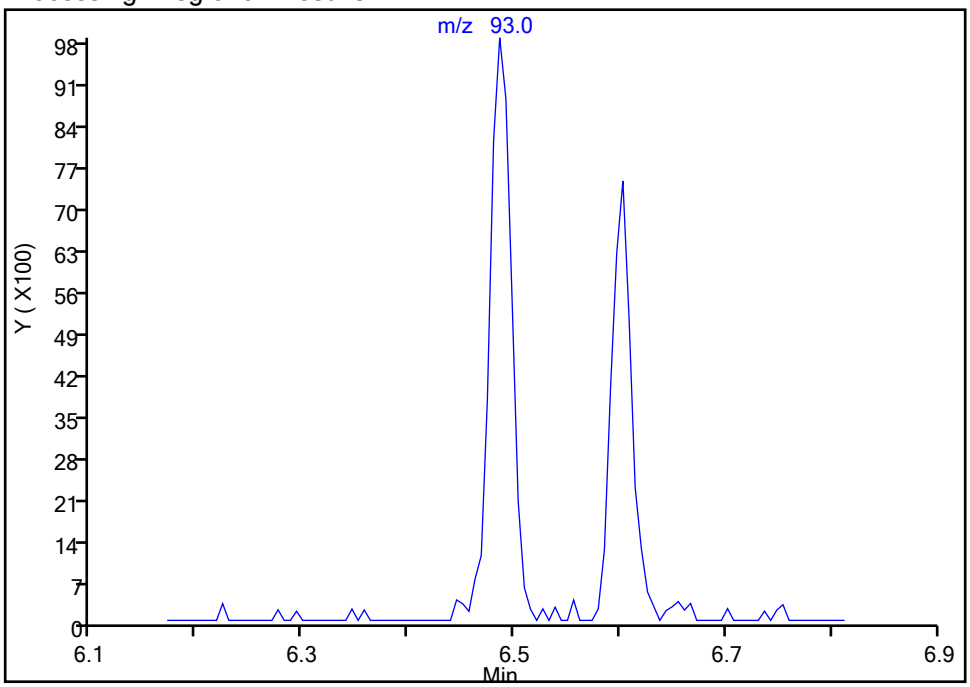
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Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

18 Aniline, CAS: 62-53-3

Signal: 1

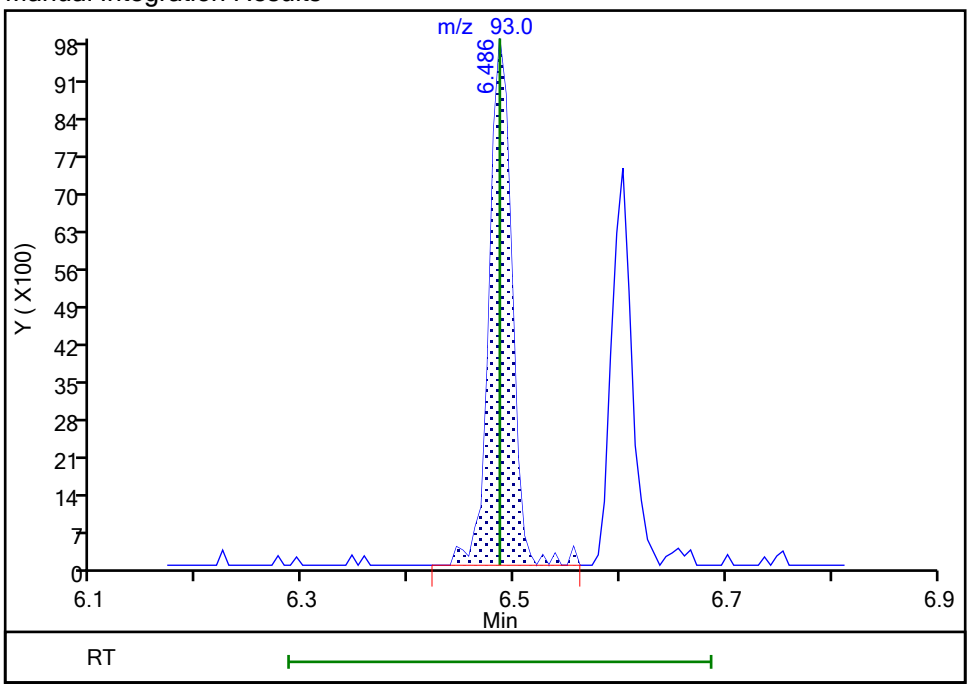
Not Detected
Expected RT: 6.49

Processing Integration Results



Manual Integration Results

RT: 6.49
Area: 14733
Amount: 0.125394
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:03:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

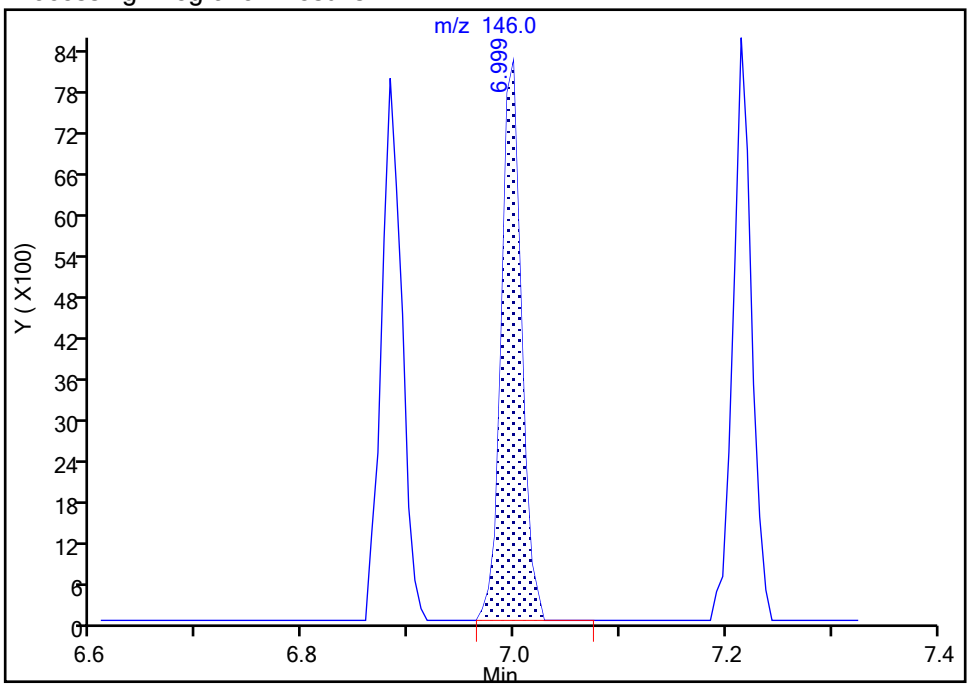
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Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

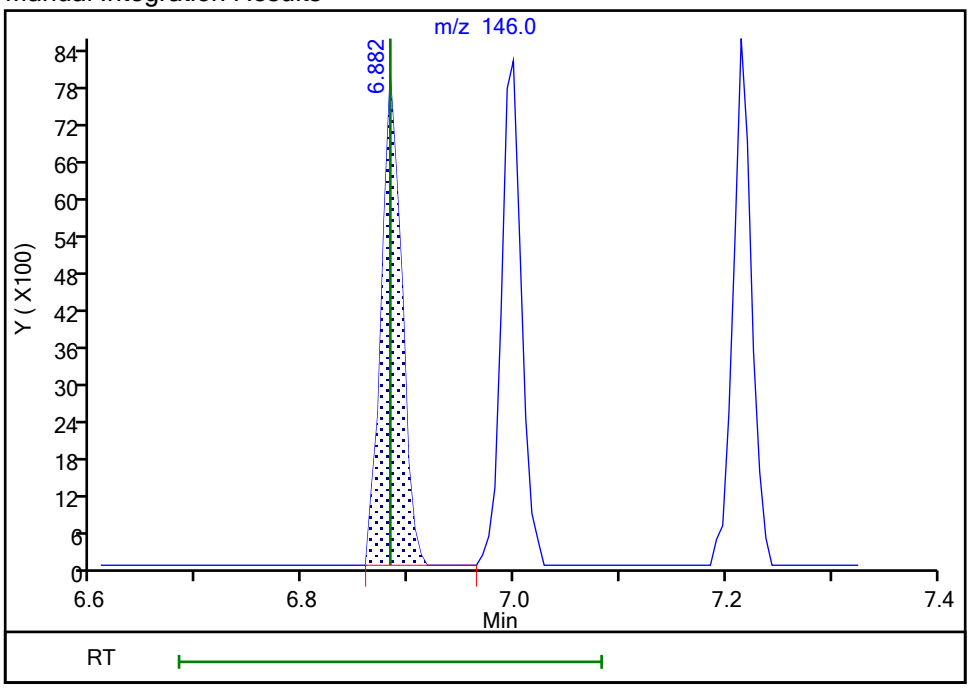
Processing Integration Results

RT: 7.00
Area: 10808
Amount: 0.121001
Amount Units: ug/ml



Manual Integration Results

RT: 6.88
Area: 10696
Amount: 0.120791
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:56:10

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

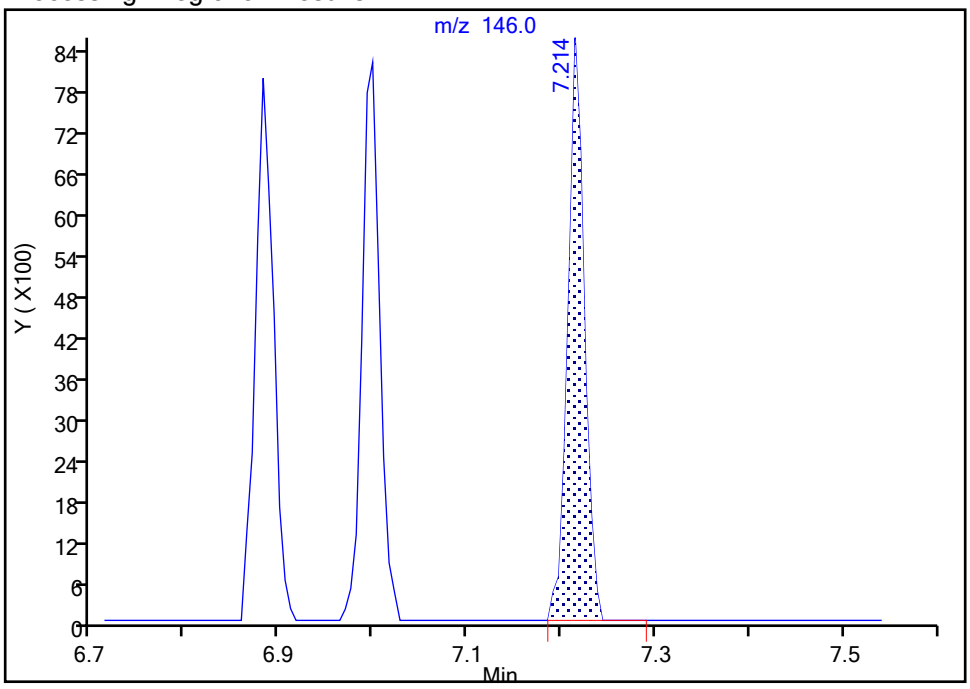
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Lims ID:	IC L1		
Client ID:			
Operator ID:	sw30417	ALS Bottle#:	3 Worklist Smp#: 3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

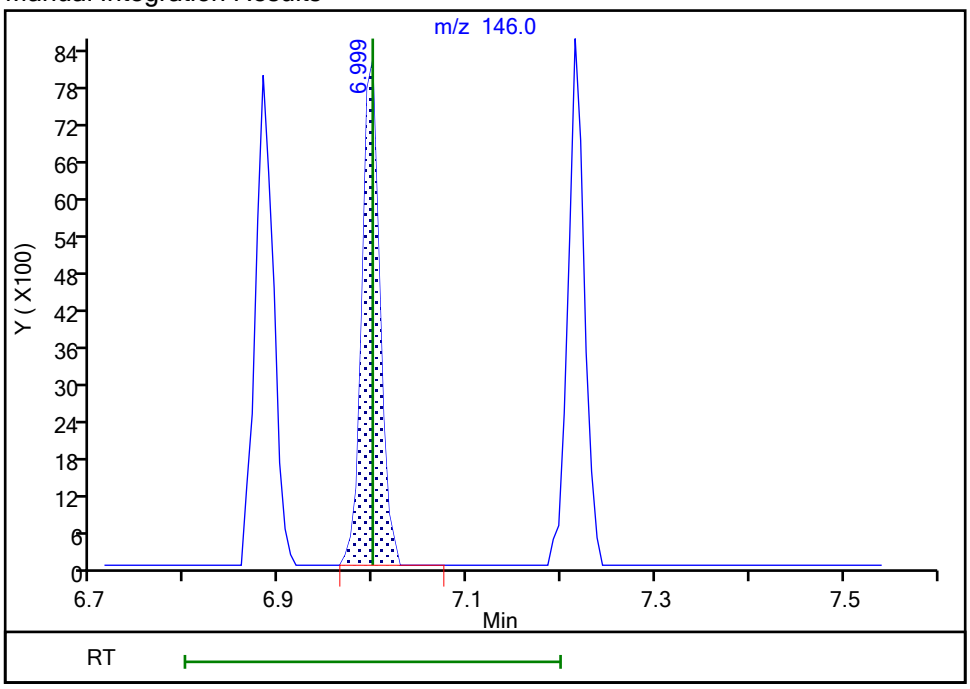
Processing Integration Results

RT: 7.21
Area: 10394
Amount: 0.121663
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 10808
Amount: 0.120883
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:25:06

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

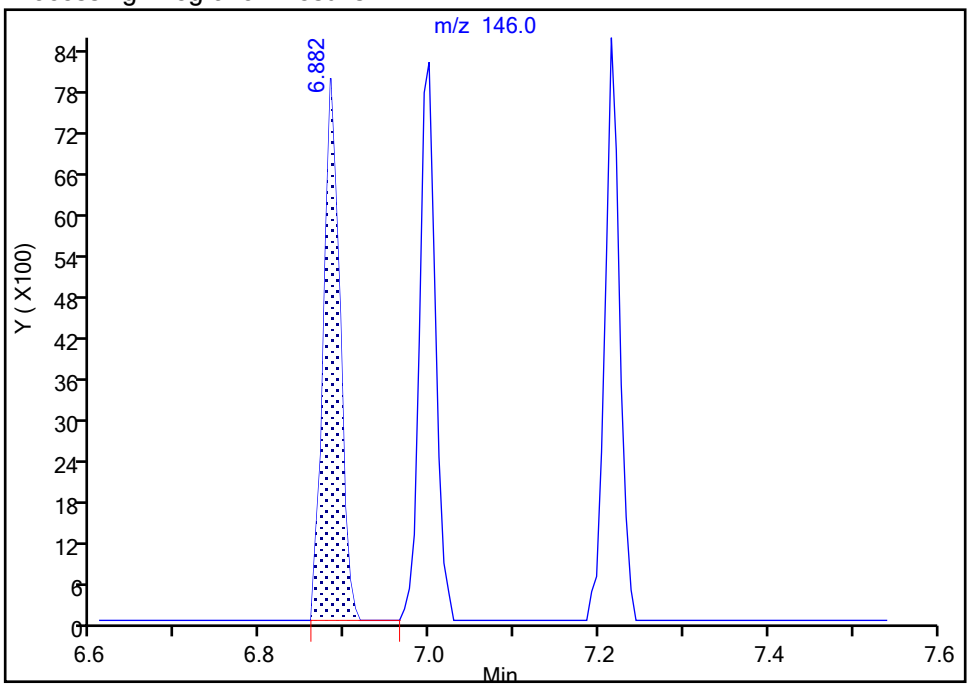
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Injection Date:	24-Nov-2020 23:28:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

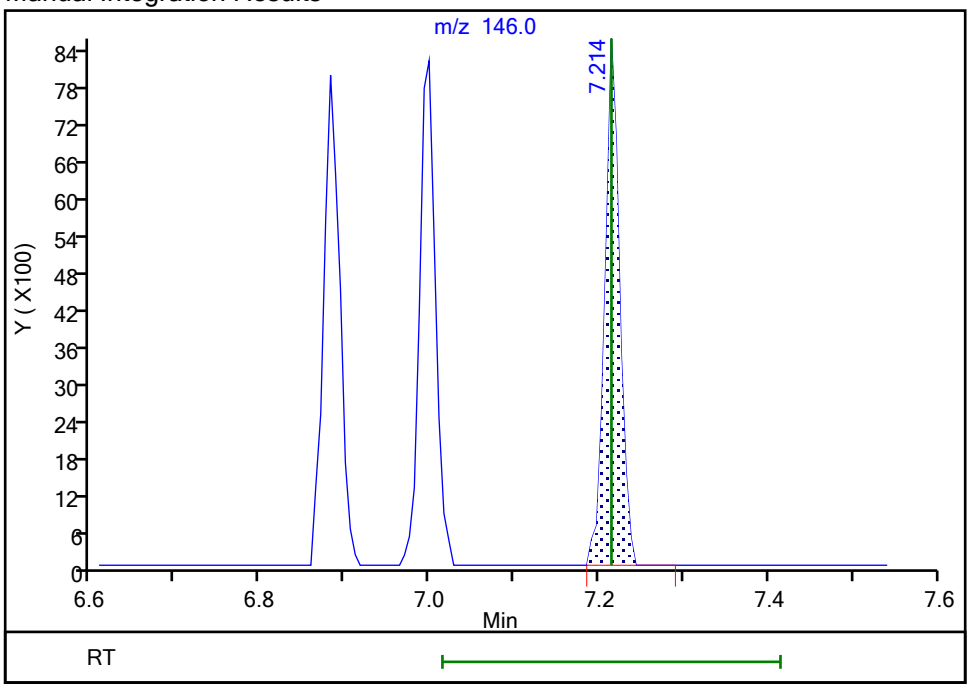
Processing Integration Results

RT: 6.88
Area: 10696
Amount: 0.120672
Amount Units: ug/ml



Manual Integration Results

RT: 7.21
Area: 10394
Amount: 0.122619
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:25:10

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

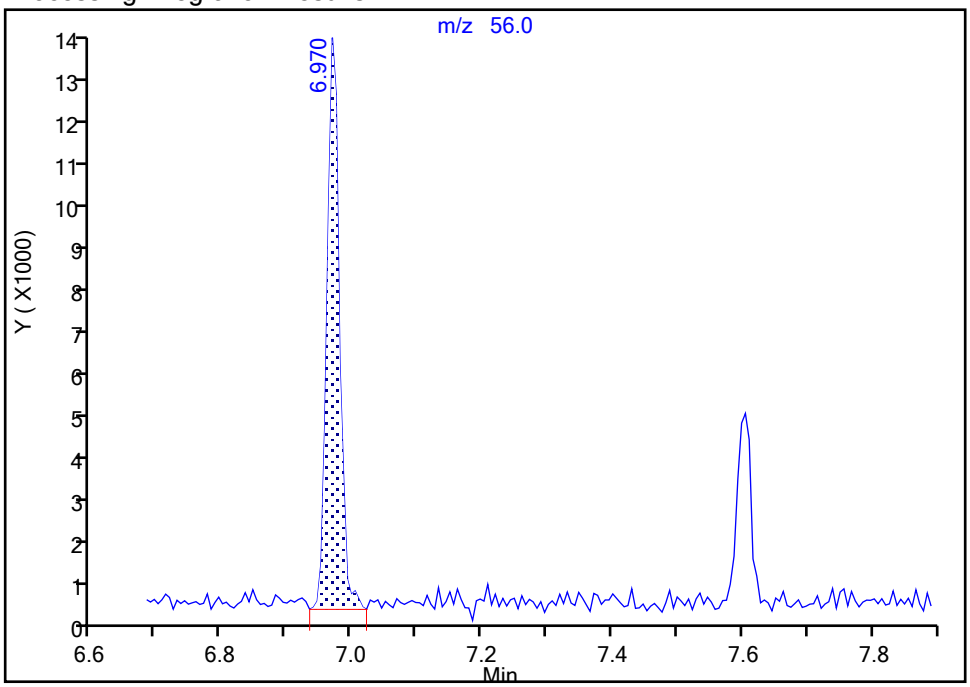
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Injection Date:	24-Nov-2020 23:28:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

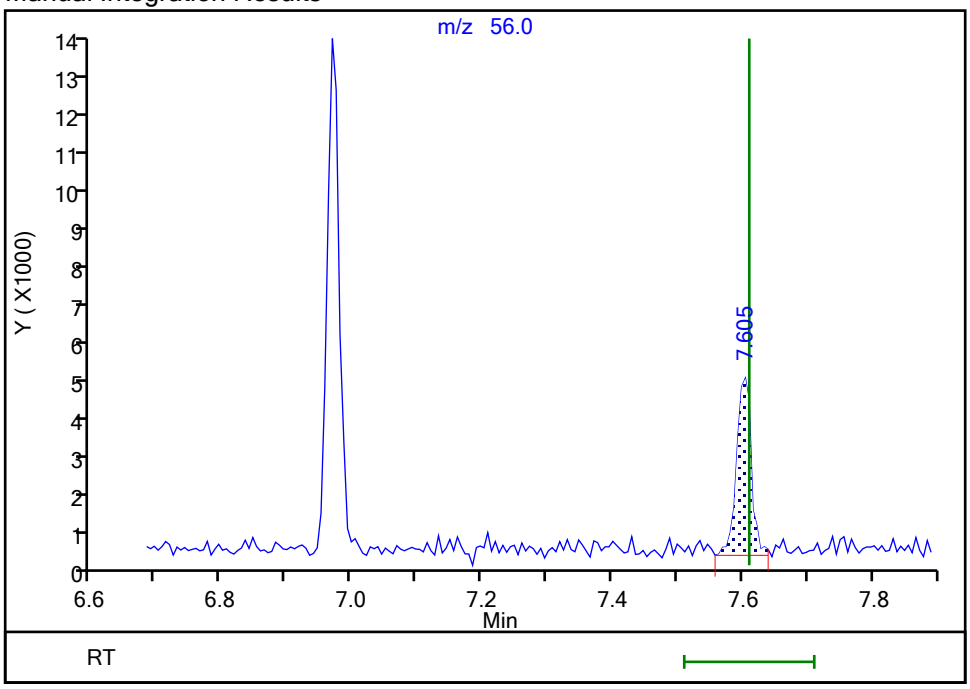
Processing Integration Results

RT: 6.97
Area: 18014
Amount: 1.676564
Amount Units: ug/ml



Manual Integration Results

RT: 7.61
Area: 7288
Amount: 0.131345
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:24:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

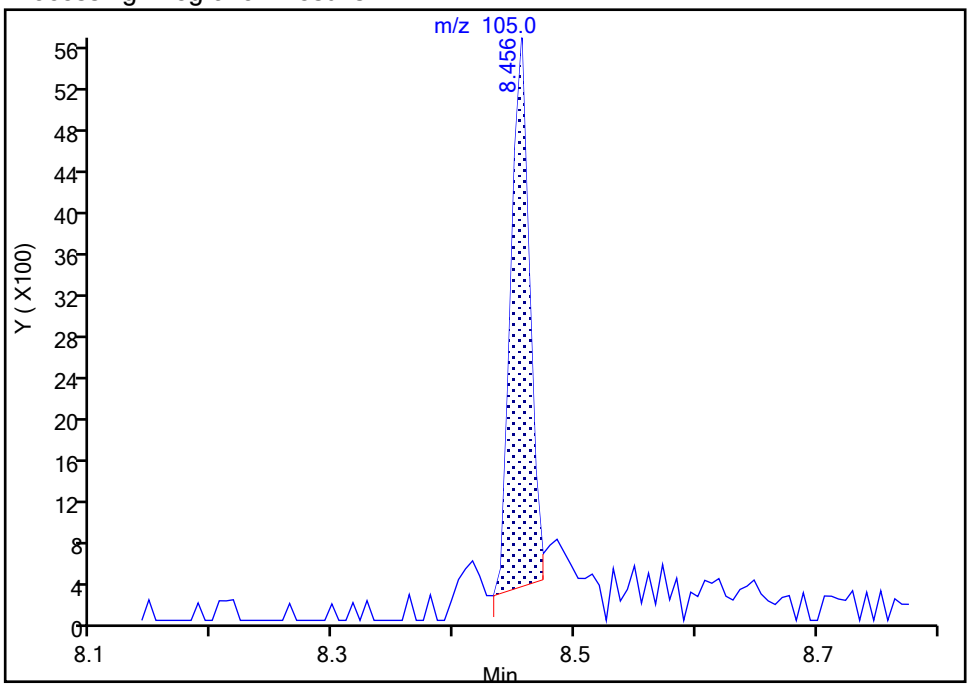
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Injection Date:	24-Nov-2020 23:28:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

50 Benzoic acid, CAS: 65-85-0

Signal: 1

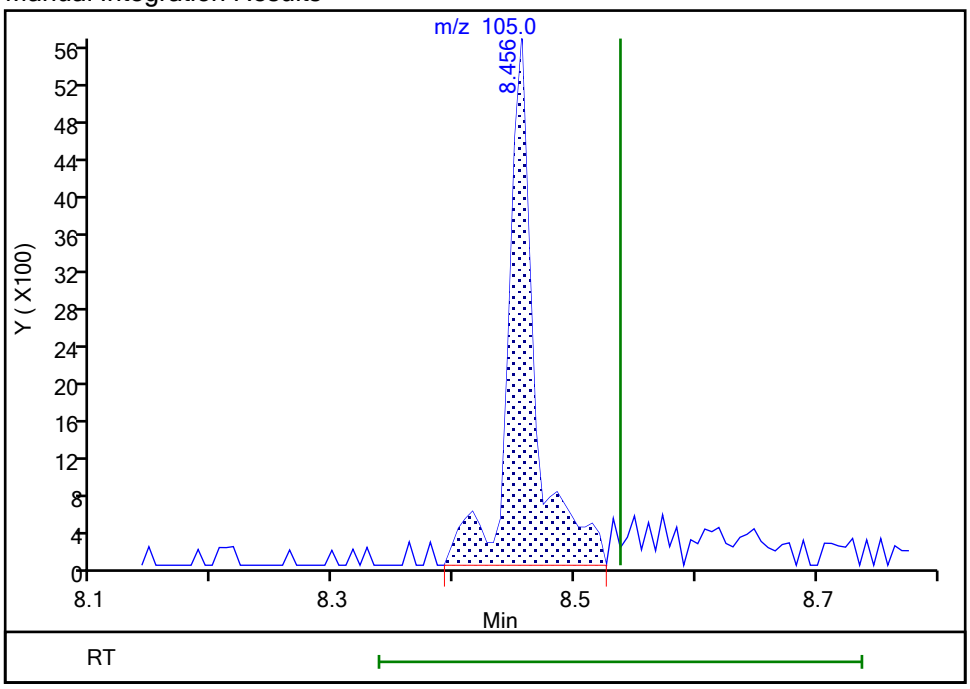
Processing Integration Results

RT: 8.46
Area: 5619
Amount: 0.136700
Amount Units: ug/ml



Manual Integration Results

RT: 8.46
Area: 8858
Amount: 2.538017
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:04:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

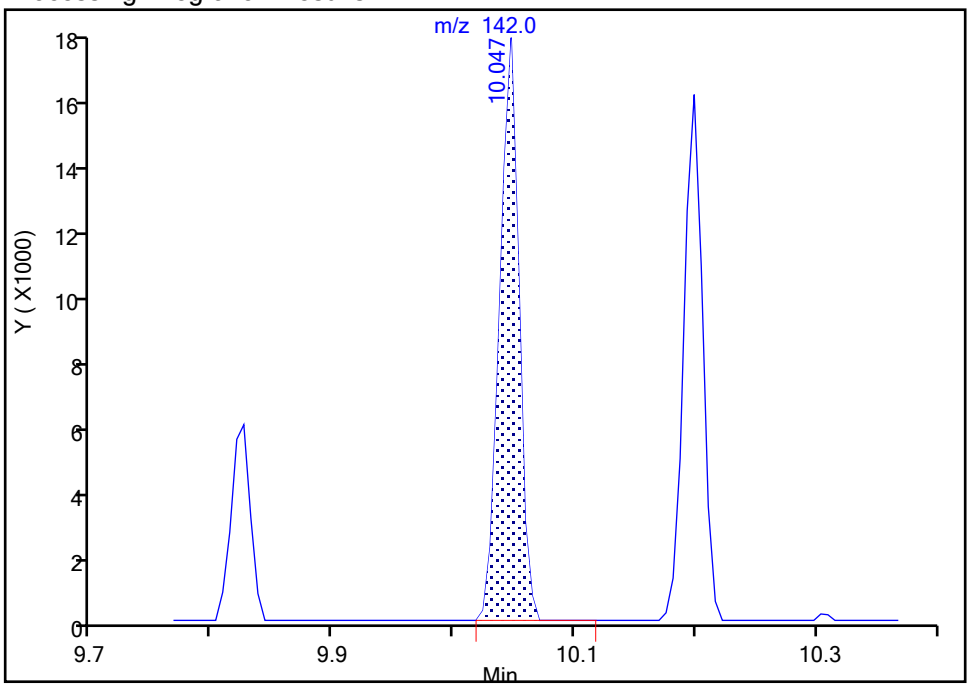
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Lims ID:	IC L1				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

68 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

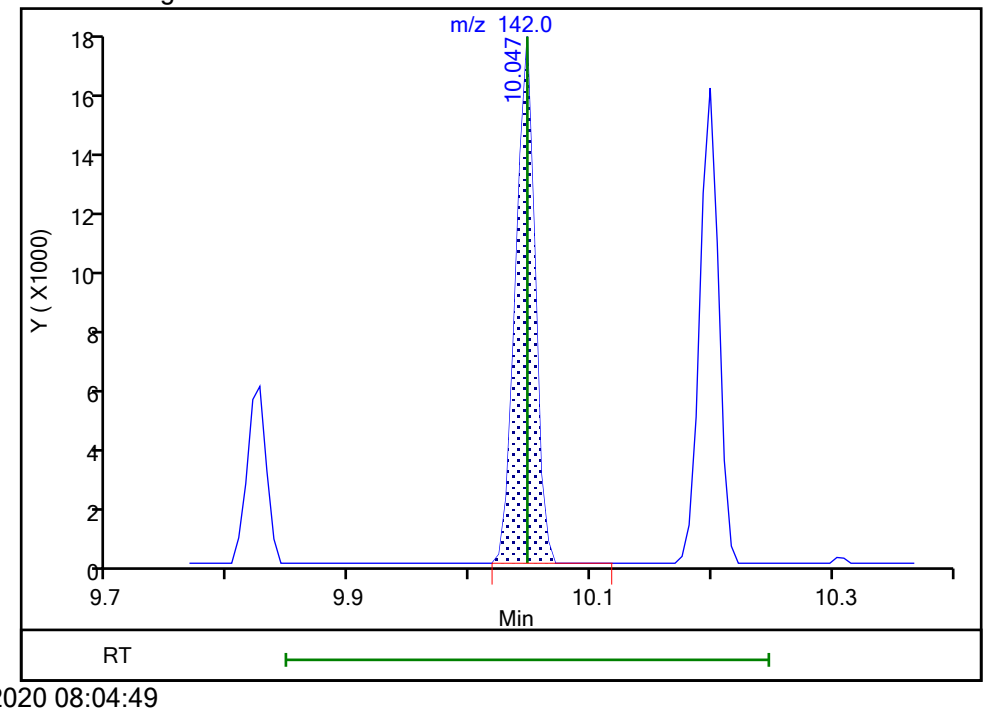
Processing Integration Results

RT: 10.05
Area: 18975
Amount: 0.133629
Amount Units: ug/ml



Manual Integration Results

RT: 10.05
Area: 18975
Amount: 0.128010
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:04:49
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

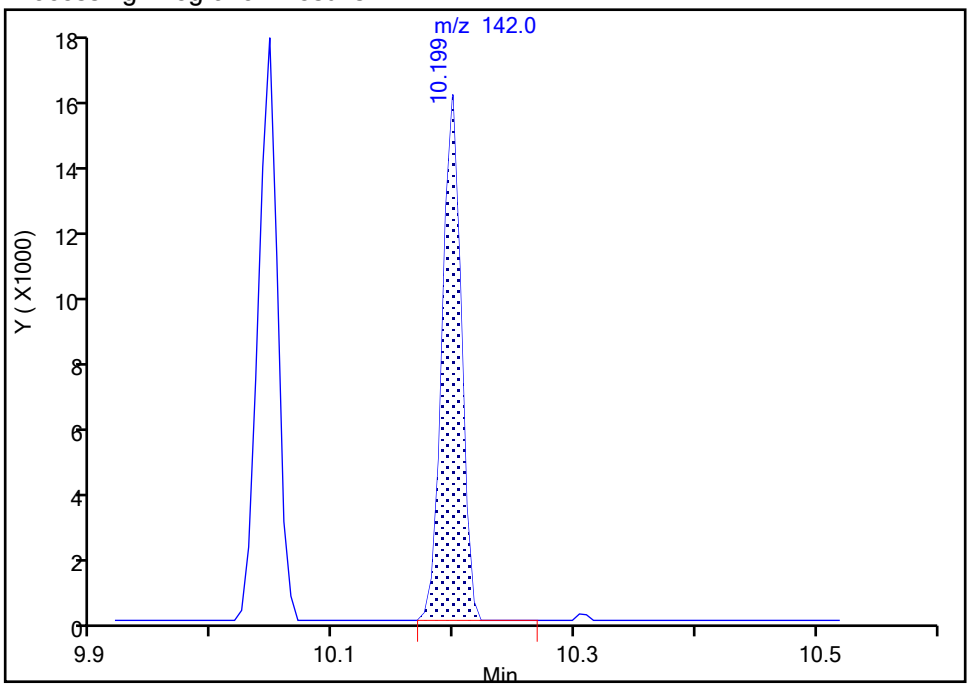
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Injection Date:	24-Nov-2020 23:28:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

69 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

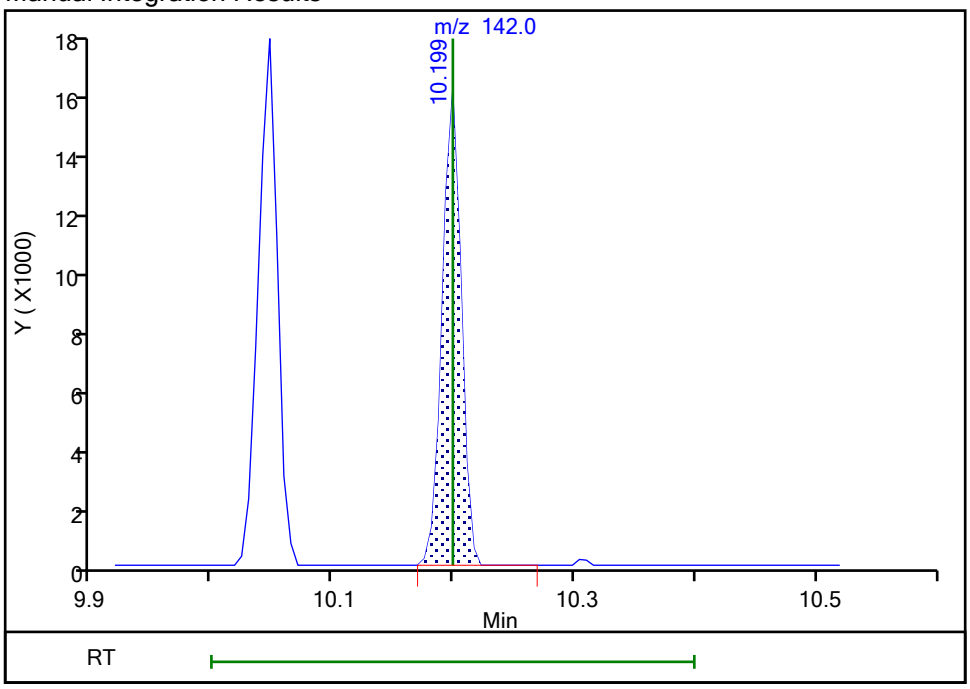
Processing Integration Results

RT: 10.20
Area: 16789
Amount: 0.114958
Amount Units: ug/ml



Manual Integration Results

RT: 10.20
Area: 16789
Amount: 0.120083
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:04:54
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

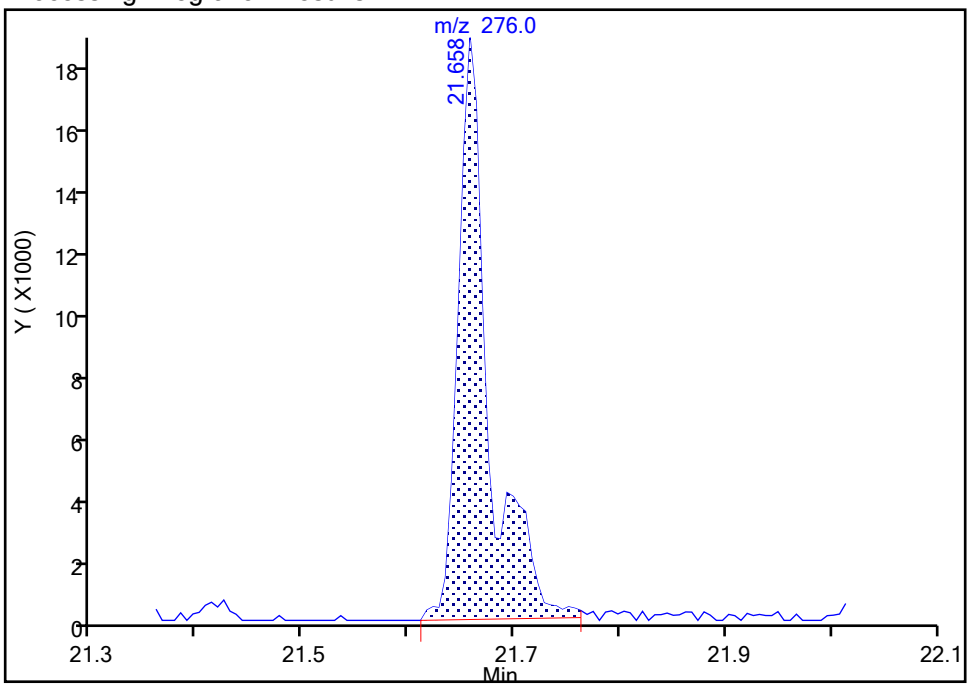
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Injection Date:	24-Nov-2020 23:28:30	Instrument ID:	HP18831		
Lims ID:	IC L1				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

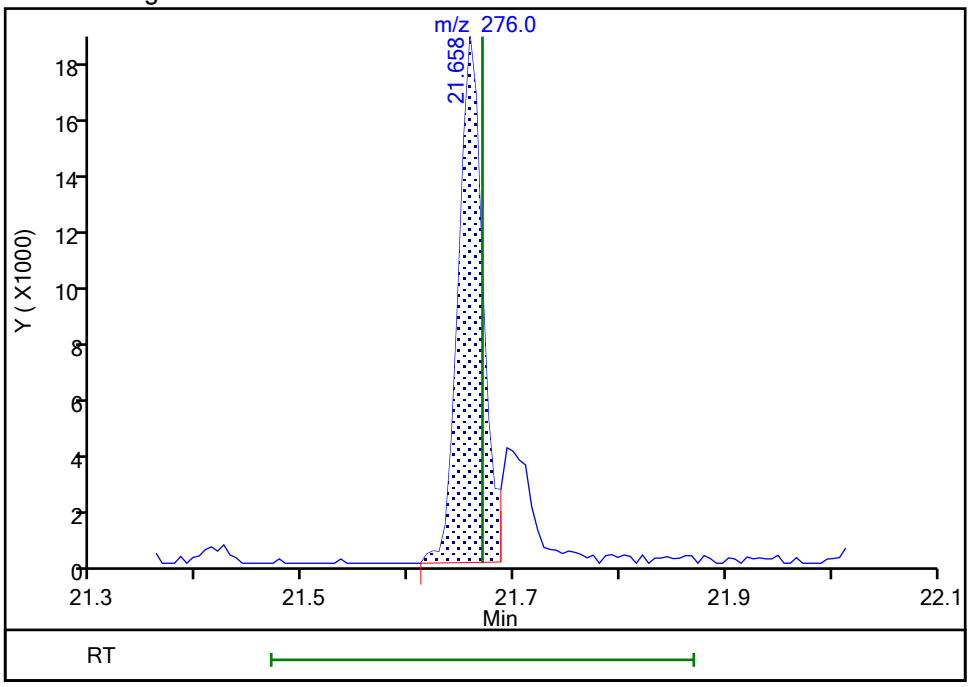
Processing Integration Results

RT: 21.66
Area: 37272
Amount: 0.155732
Amount Units: ug/ml



Manual Integration Results

RT: 21.66
Area: 29742
Amount: 0.143125
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:09:29

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1903.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Nov-2020 23:57:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0016459-004
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub4

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:31:20 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:14:05

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.488	2.482	0.006	95	949617	30.0	30.6	
	2 N-Nitrosodimethylamine	74	3.041	3.024	0.017	91	1411096	30.0	29.5	
	3 Pyridine	79	3.059	3.059	0.000	84	2484030	30.0	29.1	
	5 2-Picoline	93	4.225	4.219	0.006	91	2610342	30.0	29.2	
	6 N-Nitrosomethylethylamine	88	4.417	4.411	0.006	96	1076069	30.0	29.3	
	9 Methyl methanesulfonate	80	4.866	4.854	0.012	87	1032115	30.0	28.9	
$	10 2-Fluorophenol	112	5.093	5.081	0.012	94	4555495	60.0	58.5	
	11 N-Nitrosodiethylamine	102	5.431	5.419	0.012	91	1124384	30.0	30.0	
	13 Ethyl methanesulfonate	109	5.886	5.868	0.018	98	1191390	30.0	28.9	
	15 Benzaldehyde	77	6.334	6.329	0.005	91	1477865	30.0	23.3	
$	16 Phenol-d5	99	6.457	6.439	0.018	96	5350080	60.0	58.5	
	17 Phenol	94	6.474	6.457	0.017	93	3063876	30.0	28.8	
	18 Aniline	93	6.498	6.486	0.012	96	3576022	30.0	28.6	
	19 Bis(2-chloroethyl)ether	93	6.614	6.603	0.011	93	2280320	30.0	28.0	
	20 2-Chlorophenol	128	6.661	6.655	0.006	95	2394036	30.0	28.7	
	22 1,3-Dichlorobenzene	146	6.888	6.882	0.006	98	2685617	30.0	28.5	a
*	23 1,4-Dichlorobenzene-d4	152	6.976	6.976	0.000	95	299124	5.00	5.00	
	24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	95	2723180	30.0	28.6	a
	26 Benzyl alcohol	108	7.191	7.185	0.006	93	1444632	30.0	27.7	
	27 1,2-Dichlorobenzene	146	7.220	7.215	0.005	98	2558879	30.0	28.3	a
	28 Indene	115	7.355	7.354	0.000	90	3161083	30.0	27.1	
	30 2-Methylphenol	108	7.366	7.360	0.006	95	2065984	30.0	28.4	
	32 2,2'-oxybis[1-chloropropane]	45	7.419	7.413	0.006	93	4052310	30.0	28.1	
	33 N-Nitrosopyrrolidine	100	7.570	7.541	0.029	88	1170391	30.0	29.9	
	34 Acetophenone	105	7.593	7.582	0.011	96	3386093	30.0	29.4	
	36 4-Methylphenol	108	7.617	7.599	0.018	90	2192249	30.0	28.4	
	35 N-Nitrosodi-n-propylamine	70	7.628	7.605	0.023	91	1578370	30.0	27.7	
	37 N-Nitrosomorpholine	56	7.634	7.611	0.023	83	1636725	30.0	27.7	a
	38 2-Toluidine	106	7.646	7.634	0.012	93	3474063	30.0	27.7	
	40 Hexachloroethane	117	7.733	7.728	0.005	96	1048389	30.0	27.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	7.821	7.803	0.018	91	4684227	60.0	57.9	
42 Nitrobenzene	77	7.844	7.832	0.012	90	2331682	30.0	28.3	
43 N-Nitrosopiperidine	114	8.077	8.060	0.017	80	1143057	30.0	29.3	
45 Isophorone	82	8.223	8.211	0.012	96	4158859	30.0	29.6	
46 2-Nitrophenol	139	8.328	8.322	0.006	88	1300209	30.0	30.4	
48 2,4-Dimethylphenol	107	8.427	8.415	0.012	93	2268423	30.0	29.6	
50 Benzoic acid	105	8.619	8.538	0.081	87	1742699	30.0	30.9	M
49 o,o',o''-Triethylphosphorothioat	198	8.555	8.544	0.011	81	1188477	30.0	28.7	
51 Bis(2-chloroethoxy)methane	93	8.584	8.573	0.011	97	2644296	30.0	28.0	
52 2,4-Dichlorophenol	162	8.701	8.695	0.006	93	2009161	30.0	29.4	
53 1,2,4-Trichlorobenzene	180	8.835	8.829	0.006	94	2133815	30.0	28.9	
* 54 Naphthalene-d8	136	8.917	8.911	0.006	99	1094235	5.00	5.00	
55 Naphthalene	128	8.952	8.946	0.006	97	6845041	30.0	28.5	
57 4-Chloroaniline	127	9.051	9.039	0.012	96	2693157	30.0	29.5	
S 56 Dinitrotoluene	165				0		60.0	59.8	
58 2,6-Dichlorophenol	162	9.062	9.051	0.011	93	1908719	30.0	29.3	
59 Hexachloropropene	213	9.097	9.091	0.006	88	1273028	30.0	29.1	
60 Hexachlorobutadiene	225	9.167	9.167	0.000	97	1256391	30.0	28.6	
62 Quinoline	129	9.476	9.464	0.012	97	4287462	30.0	29.0	
63 Caprolactam	113	9.628	9.558	0.070	73	736707	30.0	30.5	
64 N-Nitrosodi-n-butylamine	84	9.622	9.610	0.012	93	1872046	30.0	34.4	
S 65 Diallate	86				0		30.0	29.1	
66 4-Chloro-3-methylphenol	107	9.849	9.832	0.017	96	1949869	30.0	30.0	
67 Safrole, Total	162	9.942	9.937	0.005	91	1809202	30.0	29.3	
68 2-Methylnaphthalene	142	10.053	10.047	0.006	92	4573192	30.0	29.0	a
69 1-Methylnaphthalene	142	10.205	10.199	0.006	93	4348659	30.0	29.2	a
71 Hexachlorocyclopentadiene	237	10.315	10.310	0.005	96	1281981	30.0	29.5	
72 1,2,4,5-Tetrachlorobenzene	216	10.321	10.315	0.006	97	2074609	30.0	28.8	
73 Isosafrole Peak 1	162	10.403	10.403	0.000	91	319759	4.80	4.69	
74 2,4,6-Trichlorophenol	196	10.514	10.508	0.006	92	1459787	30.0	30.7	
75 2,4,5-Trichlorophenol	196	10.566	10.549	0.017	95	1521810	30.0	30.0	
$ 76 2-Fluorobiphenyl (Surr)	172	10.665	10.659	0.006	100	10006176	60.0	57.1	
77 Isosafrole Peak 2	162	10.770	10.764	0.006	93	1767785	25.2	24.3	
78 1,1'-Biphenyl	154	10.817	10.811	0.006	96	5951308	30.0	29.6	
79 2-Chloronaphthalene	162	10.828	10.817	0.011	97	4412020	30.0	29.7	
80 1-Chloronaphthalene	162	10.858	10.852	0.006	99	3721693	30.0	27.6	
81 Phenyl ether	170	10.992	10.986	0.006	86	2975036	30.0	28.8	
82 2-Nitroaniline	138	11.003	10.992	0.011	89	1433415	30.0	30.1	
84 1,4-Naphthoquinone	158	11.114	11.108	0.006	91	1786638	30.0	28.9	
85 1,4-Dinitrobenzene	168	11.236	11.225	0.011	96	767487	30.0	30.1	
86 Dimethyl phthalate	163	11.341	11.330	0.011	98	4752635	30.0	28.9	
87 1,3-Dinitrobenzene	168	11.353	11.341	0.012	83	838481	30.0	29.7	
88 2,6-Dinitrotoluene	165	11.417	11.400	0.017	94	1127238	30.0	29.9	
89 Acenaphthylene	152	11.481	11.475	0.006	98	6103358	30.0	29.7	
90 3-Nitroaniline	138	11.650	11.639	0.011	91	1219704	30.0	31.0	
* 91 Acenaphthene-d10	164	11.691	11.691	0.000	97	531199	5.00	5.00	
93 Acenaphthene	153	11.743	11.738	0.005	95	4439858	30.0	29.0	
94 2,4-Dinitrophenol	184	11.802	11.790	0.012	86	773782	30.0	32.0	
95 4-Nitrophenol	109	11.912	11.889	0.023	82	761667	30.0	32.1	
96 Pentachlorobenzene	250	11.930	11.924	0.006	98	1836672	30.0	28.5	
97 Dibenzofuran	168	11.982	11.977	0.005	96	6024807	30.0	28.6	
98 2,4-Dinitrotoluene	165	11.994	11.977	0.017	90	1509915	30.0	29.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	12.087	12.081	0.006	98	4394146	30.0	29.1	
101 2,3,4,6-Tetrachlorophenol	232	12.151	12.146	0.005	73	1173106	30.0	30.5	
103 2-Naphthylamine	143	12.192	12.186	0.006	97	4396462	30.0	30.1	
104 Diethyl phthalate	149	12.338	12.326	0.012	98	4910368	30.0	29.8	
105 Fluorene	166	12.420	12.414	0.006	96	4822778	30.0	29.0	
106 Thionazin	107	12.431	12.420	0.011	79	832525	30.0	29.1	
109 4-Nitroaniline	138	12.460	12.437	0.023	84	1241844	30.0	29.5	
107 N-Nitro-o-toluidine	152	12.449	12.437	0.012	90	1377794	30.0	30.5	
108 4-Chlorophenyl phenyl ether	204	12.443	12.437	0.006	91	2258972	30.0	28.2	
110 4,6-Dinitro-2-methylphenol	198	12.495	12.484	0.011	85	947844	30.0	30.3	
111 N-Nitrosodiphenylamine	169	12.589	12.577	0.012	62	4100085	30.0	29.2	
112 1,2-Diphenylhydrazine	77	12.629	12.624	0.005	41	4484581	30.0	28.7	
$ 113 2,4,6-Tribromophenol	330	12.711	12.699	0.012	94	1613021	60.0	60.8	
114 Sulfotepp	97	12.810	12.804	0.006	82	790194	30.0	29.6	
115 cis-Diallate	86	12.950	12.944	0.006	90	1486958	22.2	21.6	
116 Phorate	75	12.962	12.956	0.006	95	2848144	30.0	30.5	
117 Phenacetin	108	12.991	12.967	0.024	96	2406852	30.0	31.1	
118 4-Bromophenyl phenyl ether	248	13.032	13.026	0.006	65	1350689	30.0	28.3	
119 trans-Diallate	86	13.055	13.049	0.006	88	515225	7.80	7.50	
120 Hexachlorobenzene	284	13.084	13.078	0.006	95	1565600	30.0	28.5	
121 Dimethoate	87	13.160	13.148	0.012	95	1884863	30.0	29.5	
122 Atrazine	200	13.265	13.253	0.012	93	1326478	30.0	27.4	
123 Pentachlorophenol	266	13.335	13.329	0.006	94	1129709	30.0	30.8	
125 4-Aminobiphenyl	169	13.352	13.346	0.006	90	3101779	30.0	29.1	
124 Pentachloronitrobenzene	237	13.352	13.346	0.006	87	640005	30.0	29.6	
126 Pronamide	173	13.451	13.445	0.006	90	2366792	30.0	31.0	
* 127 Phenanthrene-d10	188	13.574	13.568	0.006	97	1052409	5.00	5.00	
128 Dinoseb	211	13.591	13.585	0.006	96	1412056	30.0	31.3	
129 Phenanthrene	178	13.603	13.597	0.006	98	6994846	30.0	28.6	
130 Anthracene	178	13.673	13.667	0.006	97	7253379	30.0	29.4	
131 Carbazole	167	13.888	13.883	0.005	95	6970674	30.0	30.0	
132 Methyl parathion	109	14.092	14.087	0.005	94	1661323	30.0	30.9	
133 Di-n-butyl phthalate	149	14.401	14.395	0.006	99	8741464	30.0	28.8	e
134 Ethyl Parathion	109	14.640	14.634	0.006	85	1047967	30.0	31.3	
135 4-Nitroquinoline-1-oxide	190	14.652	14.640	0.012	89	991385	30.0	32.8	
136 Octachlorostyrene	308	14.984	14.984	0.000	93	667221	30.0	28.1	
137 Isodrin	193	15.037	15.031	0.006	94	891227	30.0	29.6	
138 Fluoranthene	202	15.258	15.252	0.006	97	8527467	30.0	30.1	
139 Benzidine	184	15.497	15.480	0.017	99	15254856	90.0	79.6	e
* 140 Pyrene-d10 (IS)	212	15.567	15.561	0.006	100	1064563	5.00	5.00	
141 Pyrene	202	15.602	15.590	0.012	98	8379156	30.0	28.5	
$ 142 p-Terphenyl-d14	244	15.888	15.876	0.012	98	11970197	60.0	56.1	e
143 p-Dimethylamino azobenzene	225	16.115	16.109	0.006	95	1568125	30.0	32.0	
144 Chlorobenzilate	139	16.202	16.202	0.000	91	2570804	30.0	30.1	
145 3,3'-Dimethylbenzidine	212	16.674	16.669	0.005	99	5729677	30.0	29.9	
146 Butyl benzyl phthalate	149	16.739	16.733	0.006	97	4008994	30.0	30.1	
147 2-Acetylaminofluorene	181	17.106	17.082	0.024	94	3565639	30.0	32.7	
149 3,3'-Dichlorobenzidine	252	17.601	17.590	0.011	79	3220983	30.0	31.1	
148 Benzo[a]anthracene	228	17.613	17.601	0.012	99	7751078	30.0	30.9	
150 4,4'-Methylene bis(2-chloroani	231	17.625	17.613	0.012	96	1571351	30.0	29.5	
151 Chrysene	228	17.677	17.665	0.012	97	7562736	30.0	29.8	
152 Bis(2-ethylhexyl) phthalate	149	17.805	17.799	0.006	97	5808109	30.0	30.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	18.476	18.464	0.012	97	5784732	30.0	30.3	
154 Di-n-octyl phthalate	149	18.965	18.959	0.006	99	10768035	30.0	30.8	
155 Benzo[b]fluoranthene	252	19.472	19.449	0.023	97	8601079	30.0	30.0	
156 7,12-Dimethylbenz(a)anthracene	256	19.478	19.461	0.017	92	3887622	30.0	29.8	
157 Benzo[k]fluoranthene	252	19.525	19.501	0.024	99	8053765	30.0	29.2	
158 Benzo[a]pyrene	252	19.991	19.973	0.018	77	8151707	30.0	31.0	
* 159 Perylene-d12	264	20.073	20.067	0.006	98	1156363	5.00	5.00	
160 3-Methylcholanthrene	268	20.562	20.551	0.012	92	4308758	30.0	31.7	
161 Dibenz[a,h]acridine	279	21.367	21.355	0.012	91	6599207	30.0	30.1	
162 Dibenz[a,j]acridine	279	21.442	21.425	0.017	96	6703400	30.0	29.2	
163 Indeno[1,2,3-cd]pyrene	276	21.693	21.670	0.023	99	7533008	30.0	29.5	
164 Dibenz(a,h)anthracene	278	21.734	21.710	0.024	94	7665039	30.0	28.8	
165 Benzo[g,h,i]perylene	276	22.083	22.060	0.023	98	7420819	30.0	27.4	
S 166 Isosafrole	162				0		30.0	29.0	

QC Flag Legend

Processing Flags
e - Potential Peak Saturated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSS_RV8270_8_00007 Amount Added: 1.00 Units: mL

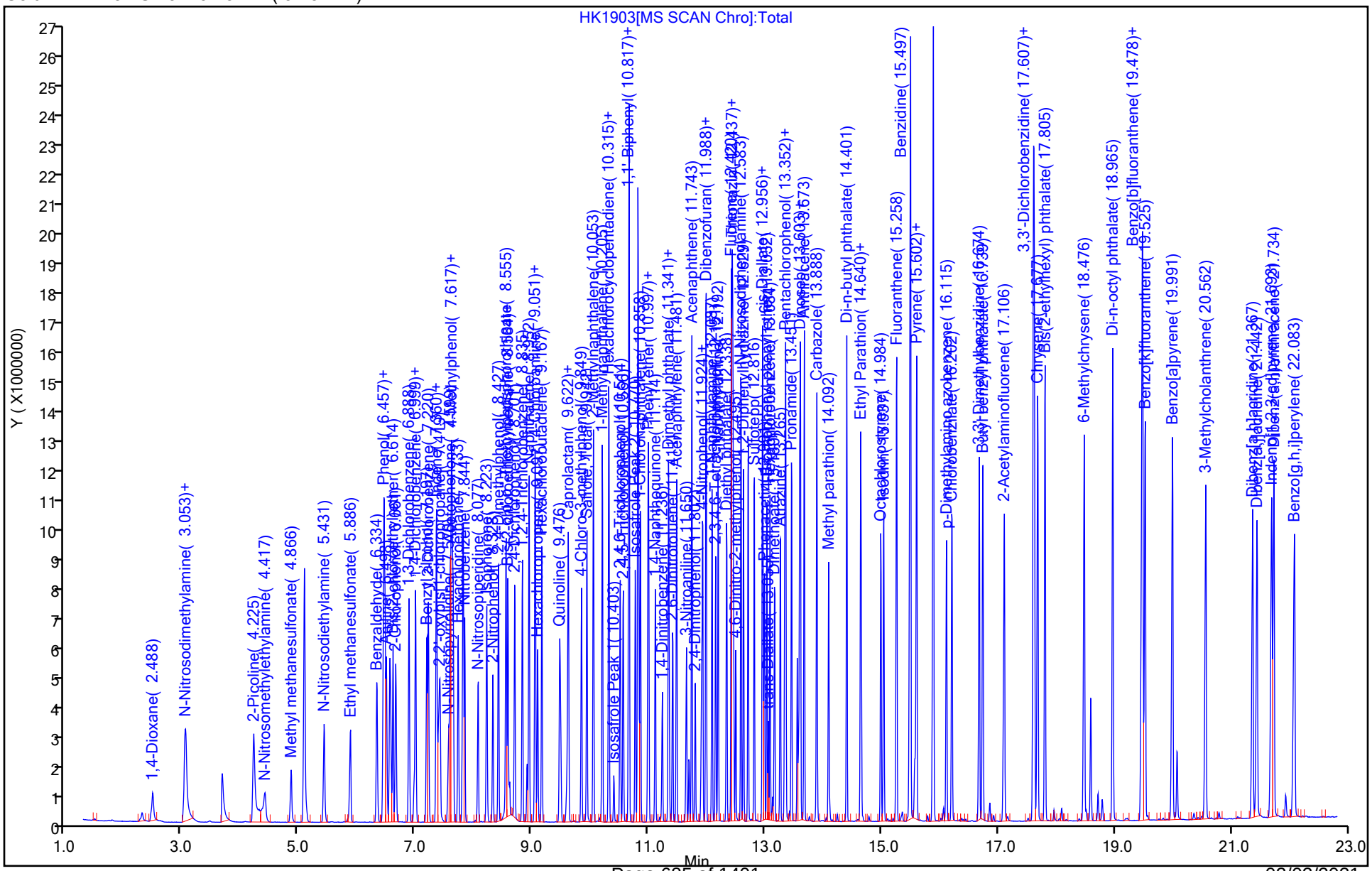
Report Date: 25-Nov-2020 09:31:25 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	24-Nov-2020 23:57:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	IC L8			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

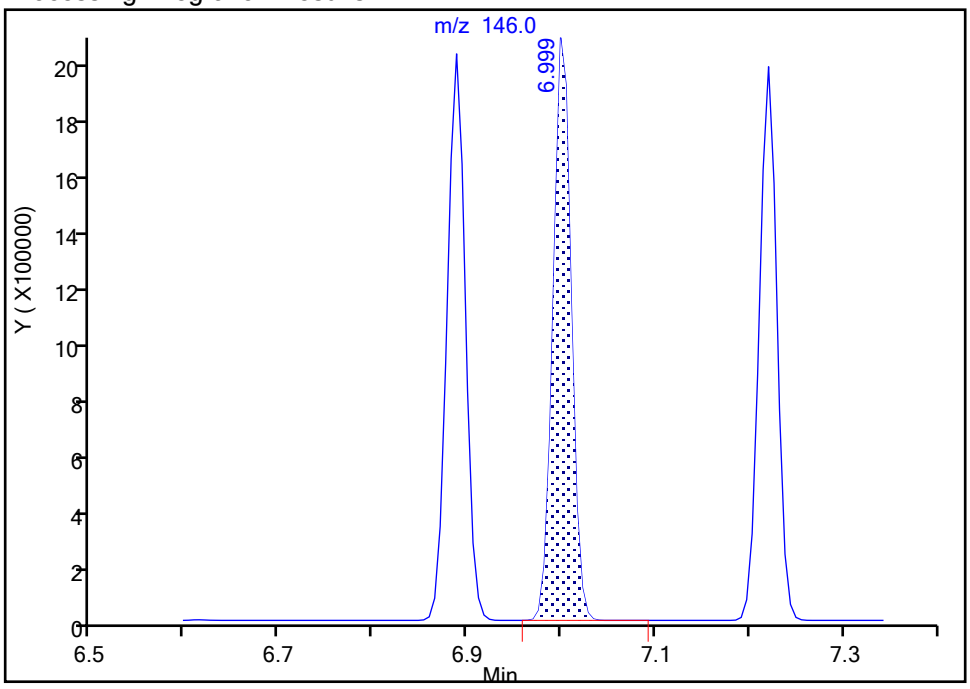
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Client ID:					
Operator ID:	sw30417	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

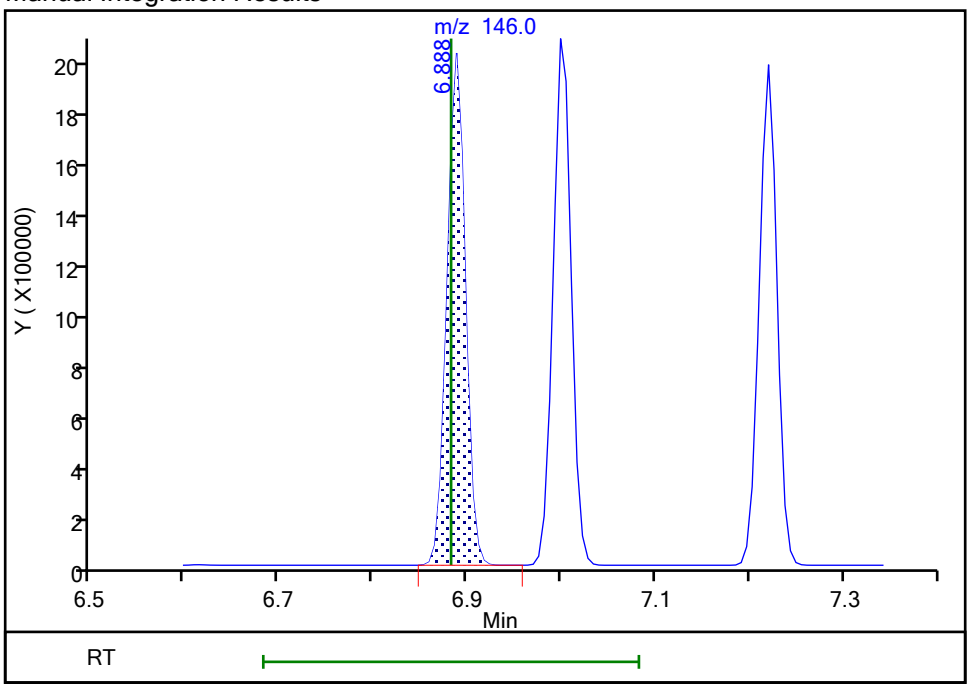
Processing Integration Results

RT: 7.00
Area: 2723180
Amount: 28.601616
Amount Units: ug/ml



Manual Integration Results

RT: 6.89
Area: 2685617
Amount: 28.452903
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:56:37

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

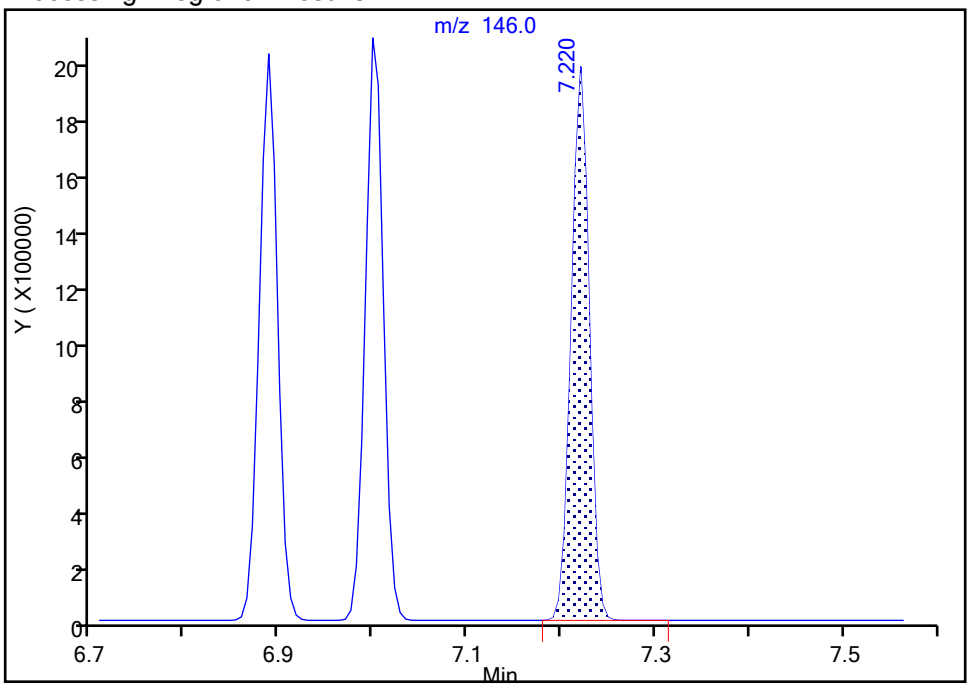
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Lims ID:	IC L8				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

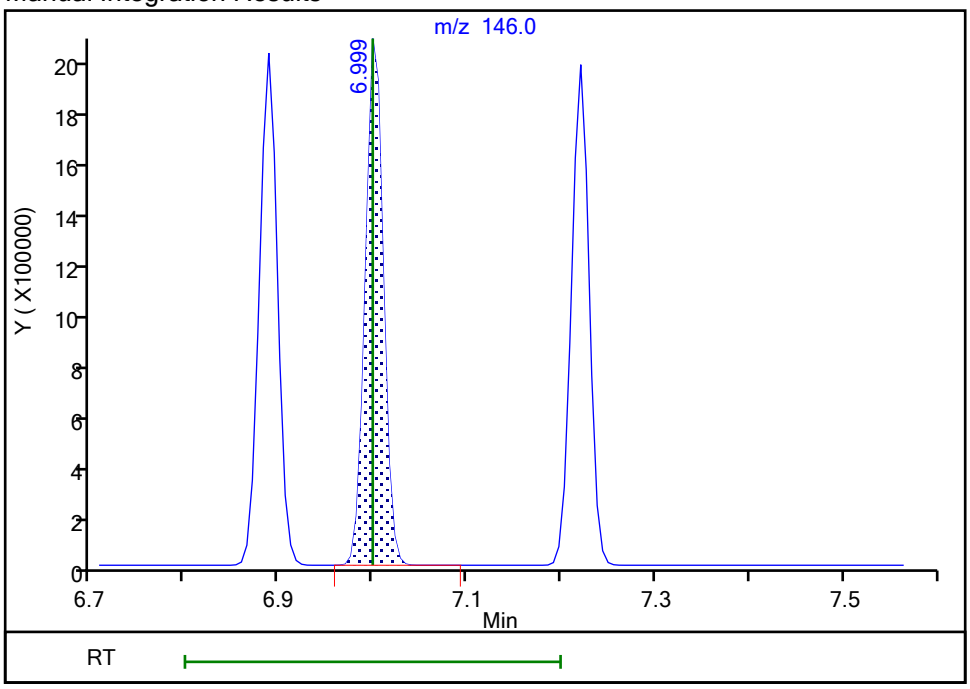
Processing Integration Results

RT: 7.22
Area: 2558879
Amount: 28.099139
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 2723180
Amount: 28.573651
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:25:35

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

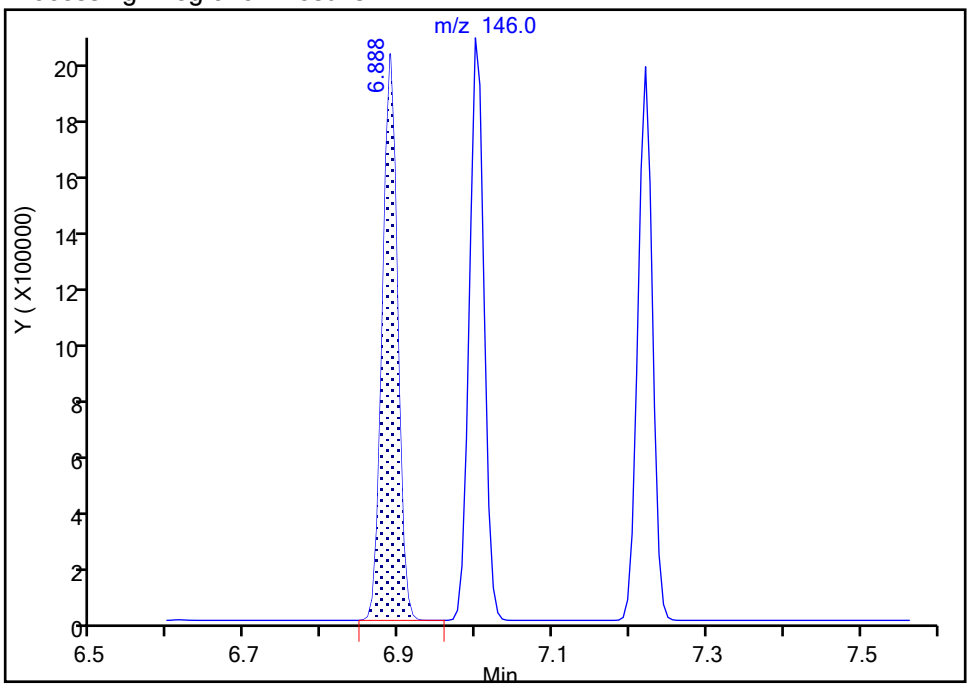
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Lims ID:	IC L8				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

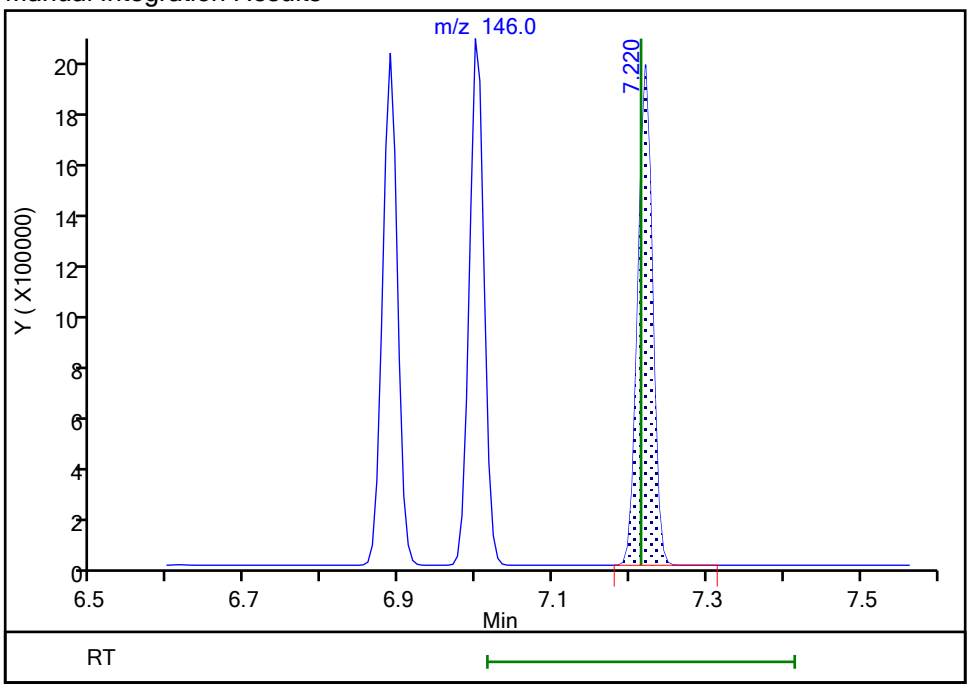
Processing Integration Results

RT: 6.89
Area: 2685617
Amount: 28.424841
Amount Units: ug/ml



Manual Integration Results

RT: 7.22
Area: 2558879
Amount: 28.320017
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:25:30

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

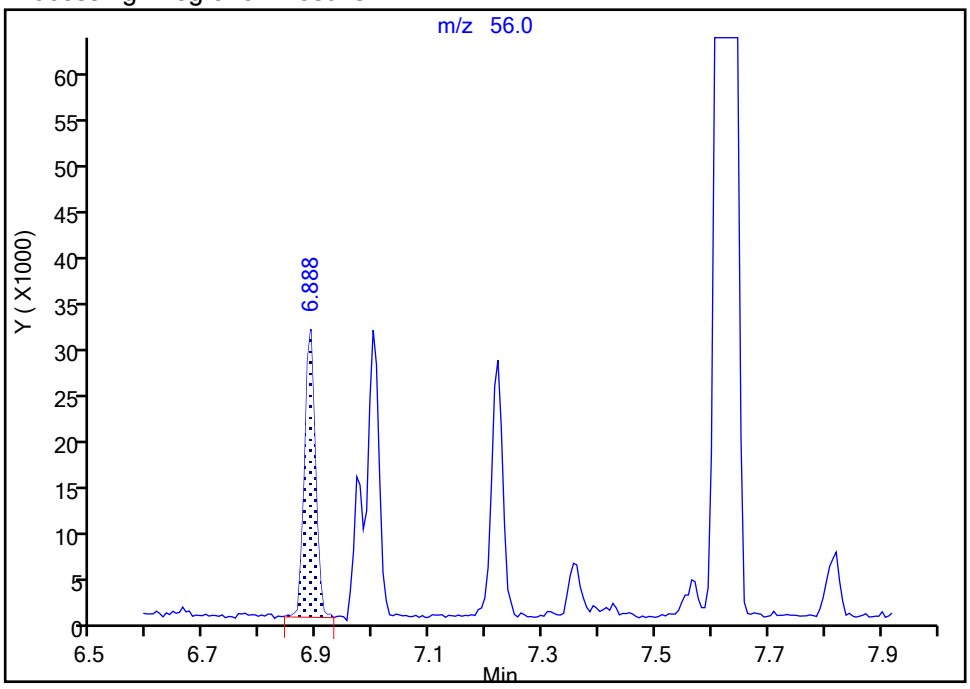
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Lims ID:	IC L8				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

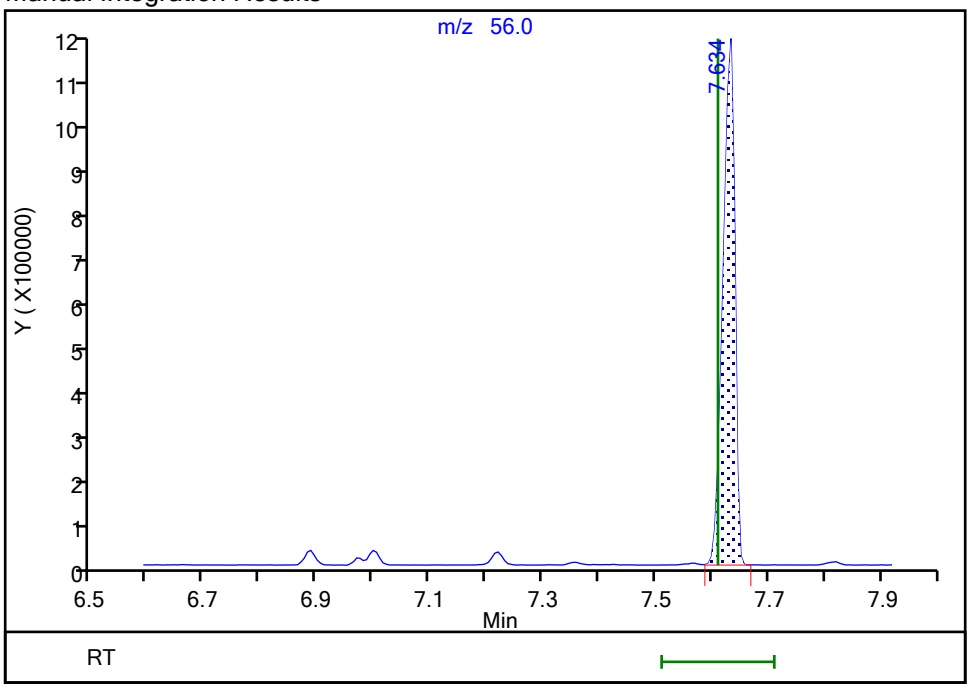
Processing Integration Results

RT: 6.89
Area: 41632
Amount: 3.635015
Amount Units: ug/ml



Manual Integration Results

RT: 7.63
Area: 1636725
Amount: 27.672643
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:25:24

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

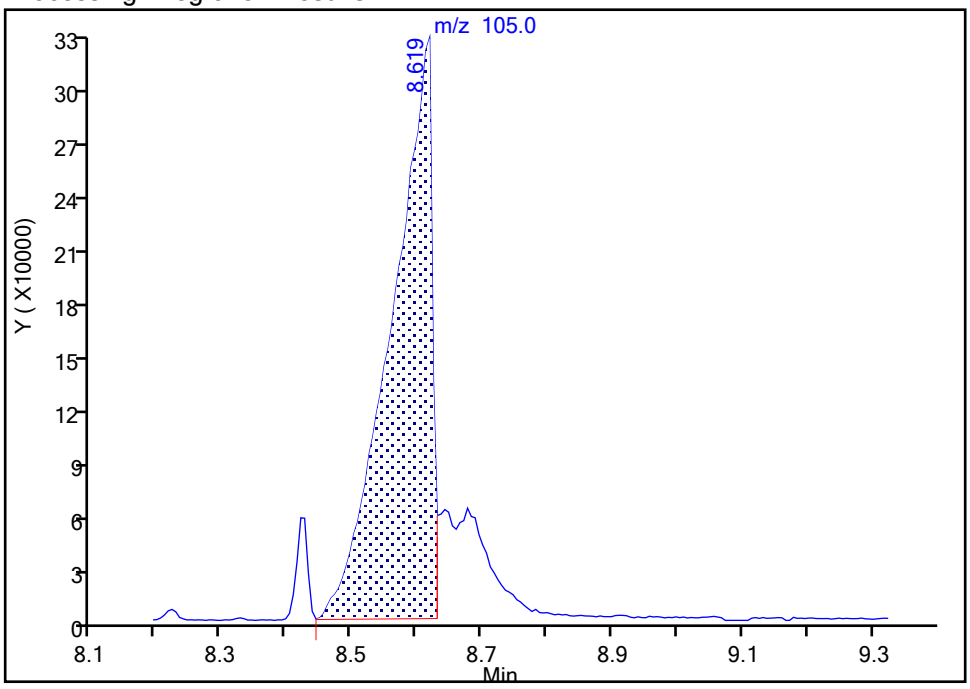
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Injection Date:	24-Nov-2020 23:57:30	Instrument ID:	HP18831
Lims ID:	IC L8		
Client ID:			
Operator ID:	sw30417	ALS Bottle#:	4 Worklist Smp#: 4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

50 Benzoic acid, CAS: 65-85-0

Signal: 1

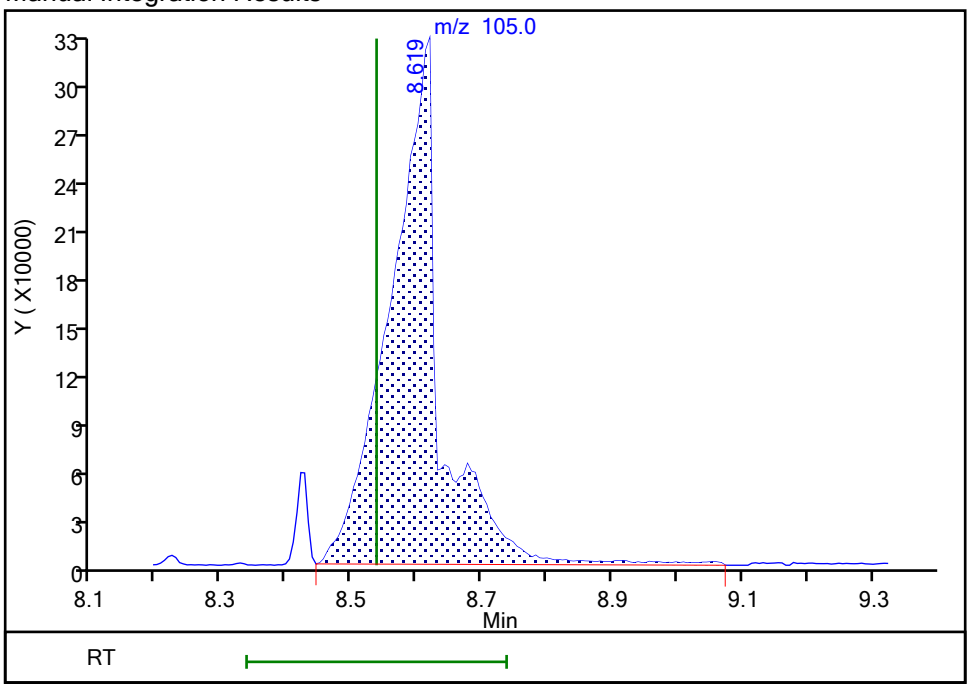
Processing Integration Results

RT: 8.62
Area: 1387749
Amount: 31.742016
Amount Units: ug/ml



Manual Integration Results

RT: 8.62
Area: 1742699
Amount: 30.930454
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:10:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

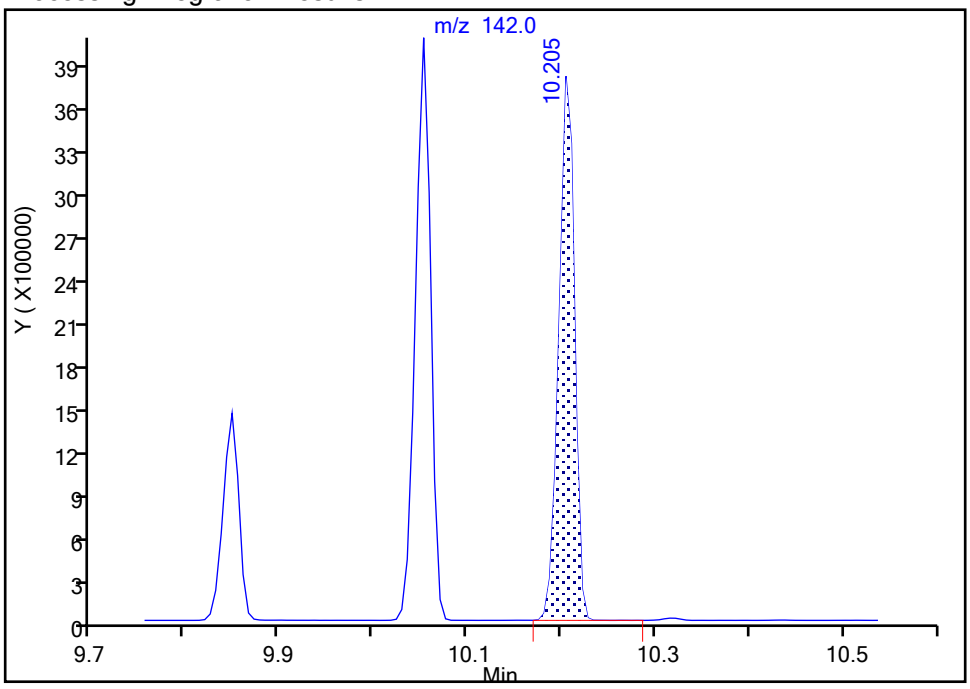
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Lims ID:	IC L8				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

68 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

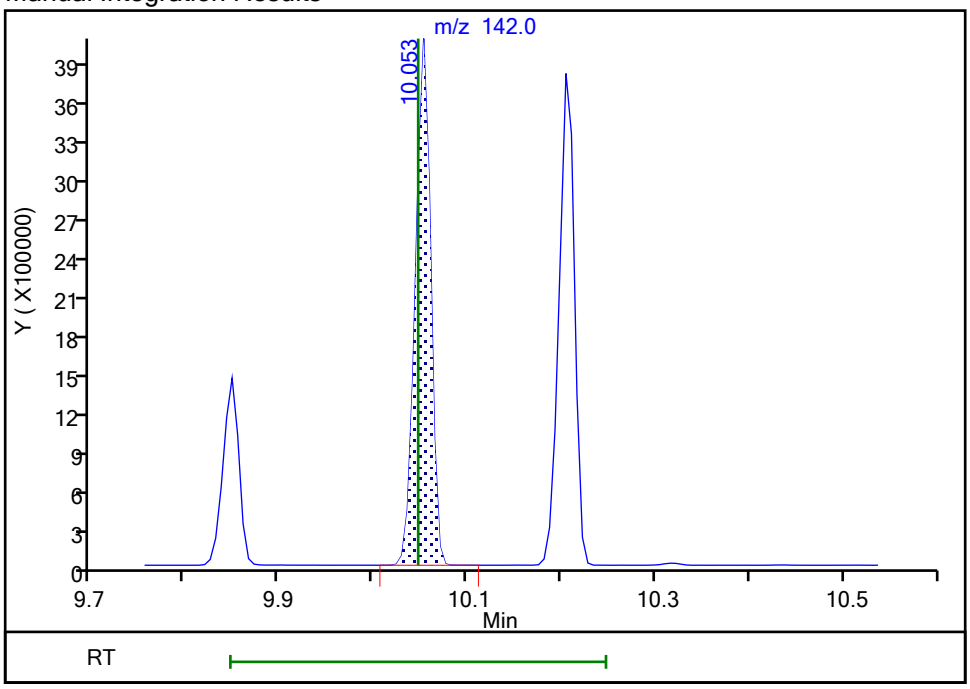
Processing Integration Results

RT: 10.20
Area: 4348659
Amount: 28.651264
Amount Units: ug/ml



Manual Integration Results

RT: 10.05
Area: 4573192
Amount: 29.006505
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:10:44

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

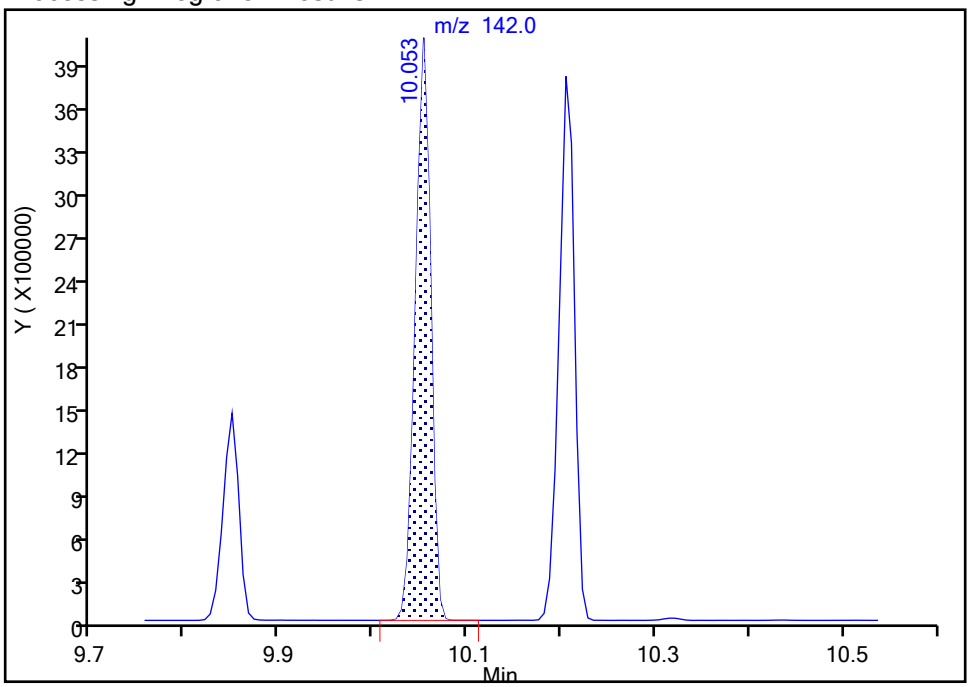
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Injection Date: 24-Nov-2020 23:57:30 Instrument ID: HP18831
Lims ID: IC L8
Client ID:
Operator ID: sw30417 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

69 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

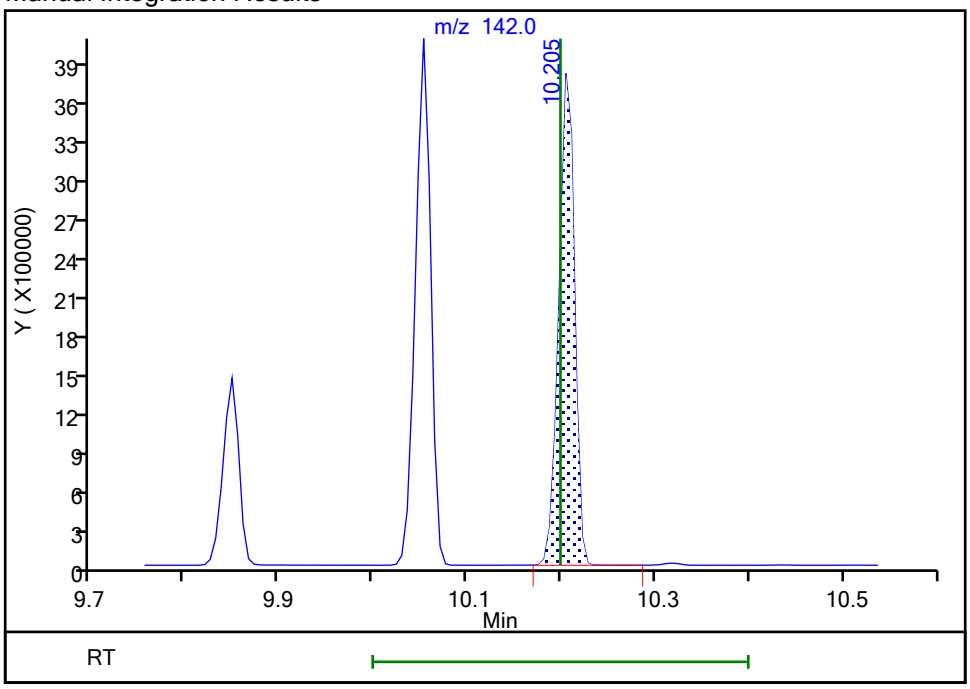
Processing Integration Results

RT: 10.05
Area: 4573192
Amount: 29.583016
Amount Units: ug/ml



Manual Integration Results

RT: 10.20
Area: 4348659
Amount: 29.243239
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:10:49
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1904.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 25-Nov-2020 00:25:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0016459-005
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub4

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:31:33 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:15:14

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.488	2.482	0.006	95	649537	20.0	20.3	
	2 N-Nitrosodimethylamine	74	3.035	3.024	0.011	91	969083	20.0	19.7	
	3 Pyridine	79	3.059	3.059	0.000	84	1713989	20.0	19.5	
	5 2-Picoline	93	4.219	4.219	0.000	91	1819797	20.0	19.8	
	6 N-Nitrosomethylethylamine	88	4.411	4.411	0.000	96	749941	20.0	19.8	
	9 Methyl methanesulfonate	80	4.860	4.854	0.006	87	725831	20.0	19.7	
$	10 2-Fluorophenol	112	5.087	5.081	0.006	94	3195242	40.0	39.9	
	11 N-Nitrosodiethylamine	102	5.431	5.419	0.012	91	796049	20.0	20.6	
	13 Ethyl methanesulfonate	109	5.880	5.868	0.012	98	840882	20.0	19.8	
	15 Benzaldehyde	77	6.334	6.329	0.005	92	1175129	20.0	18.0	
$	16 Phenol-d5	99	6.451	6.439	0.012	96	3785650	40.0	40.2	
	17 Phenol	94	6.469	6.457	0.012	92	2190416	20.0	20.0	
	18 Aniline	93	6.492	6.486	0.006	96	2571430	20.0	19.9	
	19 Bis(2-chloroethyl)ether	93	6.608	6.603	0.005	94	1641111	20.0	19.6	
	20 2-Chlorophenol	128	6.661	6.655	0.006	95	1738516	20.0	20.2	
	22 1,3-Dichlorobenzene	146	6.888	6.882	0.006	98	1933232	20.0	19.9	a
*	23 1,4-Dichlorobenzene-d4	152	6.976	6.976	0.000	95	307947	5.00	5.00	
	24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	94	1958750	20.0	20.0	a
	26 Benzyl alcohol	108	7.191	7.185	0.006	93	1107918	20.0	20.6	
	27 1,2-Dichlorobenzene	146	7.220	7.215	0.005	98	1841413	20.0	19.8	a
	28 Indene	115	7.355	7.354	0.000	93	2452444	20.0	20.4	
	30 2-Methylphenol	108	7.360	7.360	0.000	93	1502927	20.0	20.0	
	32 2,2'-oxybis[1-chloropropane]	45	7.413	7.413	0.000	93	2923568	20.0	19.7	
	33 N-Nitrosopyrrolidine	100	7.559	7.541	0.017	86	828926	20.0	20.5	
	34 Acetophenone	105	7.588	7.582	0.006	95	2346258	20.0	19.8	
	36 4-Methylphenol	108	7.611	7.599	0.012	90	1574260	20.0	19.8	
	35 N-Nitrosodi-n-propylamine	70	7.617	7.605	0.012	91	1152609	20.0	19.6	
	37 N-Nitrosomorpholine	56	7.623	7.611	0.012	92	1186144	20.0	19.5	a
	38 2-Toluidine	106	7.640	7.634	0.006	95	2541422	20.0	19.7	
	40 Hexachloroethane	117	7.733	7.728	0.005	97	754814	20.0	19.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	7.815	7.803	0.012	91	3347710	40.0	39.8	
42 Nitrobenzene	77	7.838	7.832	0.006	90	1687562	20.0	19.7	
43 N-Nitrosopiperidine	114	8.071	8.060	0.011	80	822724	20.0	20.3	
45 Isophorone	82	8.217	8.211	0.006	96	2975562	20.0	20.4	
46 2-Nitrophenol	139	8.328	8.322	0.006	89	924686	20.0	20.8	
48 2,4-Dimethylphenol	107	8.421	8.415	0.006	94	1625461	20.0	20.4	
50 Benzoic acid	105	8.590	8.538	0.052	89	1005711	20.0	18.2	
49 o,o',o''-Triethylphosphorothioat	198	8.549	8.544	0.005	83	856379	20.0	19.9	
51 Bis(2-chloroethoxy)methane	93	8.579	8.573	0.006	97	1968848	20.0	20.0	
52 2,4-Dichlorophenol	162	8.701	8.695	0.006	93	1441996	20.0	20.3	
53 1,2,4-Trichlorobenzene	180	8.835	8.829	0.006	94	1531551	20.0	20.0	
* 54 Naphthalene-d8	136	8.911	8.911	0.000	99	1137513	5.00	5.00	
55 Naphthalene	128	8.946	8.946	0.000	97	4940999	20.0	19.8	
57 4-Chloroaniline	127	9.045	9.039	0.006	95	1932861	20.0	20.4	
S 56 Dinitrotoluene	165				0		40.0	40.7	
58 2,6-Dichlorophenol	162	9.056	9.051	0.005	97	1374093	20.0	20.3	
59 Hexachloropropene	213	9.097	9.091	0.006	88	918129	20.0	20.2	
60 Hexachlorobutadiene	225	9.167	9.167	0.000	96	906301	20.0	19.8	
62 Quinoline	129	9.470	9.464	0.006	97	3051397	20.0	19.8	
63 Caprolactam	113	9.604	9.558	0.046	75	503770	20.0	20.0	
64 N-Nitrosodi-n-butylamine	84	9.616	9.610	0.006	92	1334690	20.0	23.6	
S 65 Diallate	86				0		20.0	20.2	
66 4-Chloro-3-methylphenol	107	9.843	9.832	0.011	96	1392707	20.0	20.6	
67 Safrole, Total	162	9.937	9.937	0.000	90	1279498	20.0	19.9	
68 2-Methylnaphthalene	142	10.053	10.047	0.006	92	3290525	20.0	20.1	
69 1-Methylnaphthalene	142	10.205	10.199	0.006	93	3142494	20.0	20.3	
71 Hexachlorocyclopentadiene	237	10.315	10.310	0.005	95	921075	20.0	20.3	
72 1,2,4,5-Tetrachlorobenzene	216	10.315	10.315	0.000	97	1507270	20.0	20.1	
73 Isosafrole Peak 1	162	10.403	10.403	0.000	91	230053	3.20	3.23	
74 2,4,6-Trichlorophenol	196	10.508	10.508	0.000	92	1031981	20.0	20.8	
75 2,4,5-Trichlorophenol	196	10.560	10.549	0.011	96	1106559	20.0	20.9	
$ 76 2-Fluorobiphenyl (Surr)	172	10.659	10.659	0.000	100	7295642	40.0	39.9	
77 Isosafrole Peak 2	162	10.770	10.764	0.006	93	1262929	16.8	16.6	
78 1,1'-Biphenyl	154	10.811	10.811	0.000	96	4123368	20.0	19.7	
79 2-Chloronaphthalene	162	10.823	10.817	0.006	97	3074736	20.0	19.8	
80 1-Chloronaphthalene	162	10.858	10.852	0.006	99	2772859	20.0	19.7	
81 Phenyl ether	170	10.992	10.986	0.006	86	2163176	20.0	20.1	
82 2-Nitroaniline	138	10.997	10.992	0.005	88	1037488	20.0	20.9	
84 1,4-Naphthoquinone	158	11.114	11.108	0.006	91	1310577	20.0	20.3	
85 1,4-Dinitrobenzene	168	11.231	11.225	0.006	96	541483	20.0	20.3	
86 Dimethyl phthalate	163	11.335	11.330	0.005	98	3377999	20.0	19.7	
87 1,3-Dinitrobenzene	168	11.347	11.341	0.006	83	598181	20.0	20.3	
88 2,6-Dinitrotoluene	165	11.411	11.400	0.011	93	791115	20.0	20.1	
89 Acenaphthylene	152	11.475	11.475	0.000	98	4407972	20.0	20.5	
90 3-Nitroaniline	138	11.644	11.639	0.005	91	869477	20.0	21.2	
* 91 Acenaphthene-d10	164	11.691	11.691	0.000	97	554517	5.00	5.00	
93 Acenaphthene	153	11.738	11.738	0.000	95	3191707	20.0	19.9	
94 2,4-Dinitrophenol	184	11.796	11.790	0.006	86	541612	20.0	21.4	
95 4-Nitrophenol	109	11.901	11.889	0.012	81	540992	20.0	21.8	
96 Pentachlorobenzene	250	11.924	11.924	0.000	98	1350193	20.0	20.1	
97 Dibenzofuran	168	11.982	11.977	0.005	97	4363267	20.0	19.9	
98 2,4-Dinitrotoluene	165	11.988	11.977	0.011	91	1085309	20.0	20.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	12.087	12.081	0.006	98	3173194	20.0	20.1	
101 2,3,4,6-Tetrachlorophenol	232	12.146	12.146	0.000	79	840529	20.0	21.0	
103 2-Naphthylamine	143	12.192	12.186	0.006	97	3147594	20.0	20.7	
104 Diethyl phthalate	149	12.338	12.326	0.012	98	3520657	20.0	20.4	
105 Fluorene	166	12.420	12.414	0.006	94	3472334	20.0	20.0	
106 Thionazin	107	12.425	12.420	0.005	80	605465	20.0	20.3	
107 N-Nitro-o-toluidine	152	12.443	12.437	0.006	81	987080	20.0	20.9	
108 4-Chlorophenyl phenyl ether	204	12.443	12.437	0.006	90	1653197	20.0	19.8	
109 4-Nitroaniline	138	12.455	12.437	0.018	84	897431	20.0	20.4	
110 4,6-Dinitro-2-methylphenol	198	12.490	12.484	0.006	84	659198	20.0	20.4	
111 N-Nitrosodiphenylamine	169	12.583	12.577	0.006	69	2916468	20.0	20.1	
112 1,2-Diphenylhydrazine	77	12.624	12.624	0.000	41	3176985	20.0	19.7	
$ 113 2,4,6-Tribromophenol	330	12.705	12.699	0.006	94	1149227	40.0	41.5	
114 Sulfotepp	97	12.810	12.804	0.006	81	561290	20.0	20.4	
115 cis-Diallate	86	12.950	12.944	0.006	91	1060739	14.8	15.0	
116 Phorate	75	12.956	12.956	0.000	95	2024301	20.0	21.0	
117 Phenacetin	108	12.979	12.967	0.012	95	1717269	20.0	21.5	
118 4-Bromophenyl phenyl ether	248	13.032	13.026	0.006	65	971337	20.0	19.8	
119 trans-Diallate	86	13.055	13.049	0.006	88	369813	5.20	5.22	
120 Hexachlorobenzene	284	13.084	13.078	0.006	95	1123876	20.0	19.9	
121 Dimethoate	87	13.154	13.148	0.006	95	1350085	20.0	20.5	
122 Atrazine	200	13.259	13.253	0.006	92	975818	20.0	19.6	
123 Pentachlorophenol	266	13.335	13.329	0.006	93	793035	20.0	21.0	
125 4-Aminobiphenyl	169	13.346	13.346	0.000	90	2324772	20.0	21.1	
124 Pentachloronitrobenzene	237	13.352	13.346	0.006	86	454451	20.0	20.4	
126 Pronamide	173	13.451	13.445	0.006	90	1670927	20.0	21.2	
* 127 Phenanthrene-d10	188	13.568	13.568	0.000	98	1084845	5.00	5.00	
128 Dinoseb	211	13.591	13.585	0.006	96	987163	20.0	21.2	
129 Phenanthrene	178	13.603	13.597	0.006	98	5031275	20.0	19.9	
130 Anthracene	178	13.667	13.667	0.000	97	5218017	20.0	20.6	
131 Carbazole	167	13.883	13.883	0.000	95	4910515	20.0	20.5	
132 Methyl parathion	109	14.087	14.087	0.000	94	1179451	20.0	21.3	
133 Di-n-butyl phthalate	149	14.395	14.395	0.000	99	6449053	20.0	20.6	
134 Ethyl Parathion	109	14.634	14.634	0.000	85	739845	20.0	21.4	
135 4-Nitroquinoline-1-oxide	190	14.646	14.640	0.006	90	687704	20.0	22.1	
136 Octachlorostyrene	308	14.984	14.984	0.000	93	505725	20.0	20.6	
137 Isodrin	193	15.031	15.031	0.000	95	631638	20.0	20.3	
138 Fluoranthene	202	15.252	15.252	0.000	97	6055102	20.0	20.8	
139 Benzidine	184	15.491	15.480	0.011	99	11951168	60.0	60.2	e
* 140 Pyrene-d10 (IS)	212	15.567	15.561	0.006	100	1103614	5.00	5.00	
141 Pyrene	202	15.596	15.590	0.006	98	6067584	20.0	19.9	
$ 142 p-Terphenyl-d14	244	15.882	15.876	0.006	98	8971835	40.0	40.6	
143 p-Dimethylamino azobenzene	225	16.109	16.109	0.000	94	1110209	20.0	21.9	
144 Chlorobenzilate	139	16.202	16.202	0.000	91	1827039	20.0	20.7	
145 3,3'-Dimethylbenzidine	212	16.674	16.669	0.005	99	4140551	20.0	20.9	
146 Butyl benzyl phthalate	149	16.733	16.733	0.000	97	2817808	20.0	20.4	
147 2-Acetylaminofluorene	181	17.094	17.082	0.012	95	2487155	20.0	22.0	
149 3,3'-Dichlorobenzidine	252	17.595	17.590	0.005	76	2288139	20.0	21.3	
148 Benzo[a]anthracene	228	17.607	17.601	0.006	99	5528709	20.0	21.3	
150 4,4'-Methylene bis(2-chloroani	231	17.619	17.613	0.006	96	1122253	20.0	20.3	
151 Chrysene	228	17.671	17.665	0.006	97	5364411	20.0	20.4	
152 Bis(2-ethylhexyl) phthalate	149	17.799	17.799	0.000	97	4110973	20.0	20.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	18.470	18.464	0.006	99	4045734	20.0	20.5	
154 Di-n-octyl phthalate	149	18.959	18.959	0.000	99	7467488	20.0	21.1	
155 Benzo[b]fluoranthene	252	19.461	19.449	0.012	98	6067953	20.0	20.9	
156 7,12-Dimethylbenz(a)anthracene	256	19.472	19.461	0.011	92	2754603	20.0	20.9	
157 Benzo[k]fluoranthene	252	19.513	19.501	0.012	99	5635421	20.0	20.2	
158 Benzo[a]pyrene	252	19.985	19.973	0.012	78	5634451	20.0	21.2	
* 159 Perylene-d12	264	20.067	20.067	0.000	98	1168029	5.00	5.00	
160 3-Methylcholanthrene	268	20.556	20.551	0.006	92	2963174	20.0	21.6	
161 Dibenz[a,h]acridine	279	21.361	21.355	0.006	91	4654347	20.0	21.0	
162 Dibenz[a,j]acridine	279	21.436	21.425	0.011	96	4822412	20.0	20.8	
163 Indeno[1,2,3-cd]pyrene	276	21.687	21.670	0.017	99	5475267	20.0	21.2	M
164 Dibenz(a,h)anthracene	278	21.722	21.710	0.012	94	5526208	20.0	20.6	
165 Benzo[g,h,i]perylene	276	22.078	22.060	0.018	98	5494093	20.0	20.1	
S 166 Isosafrole	162				0		20.0	19.9	

QC Flag Legend

Processing Flags
e - Potential Peak Saturated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSS_RV8270_7_00007 Amount Added: 1.00 Units: mL

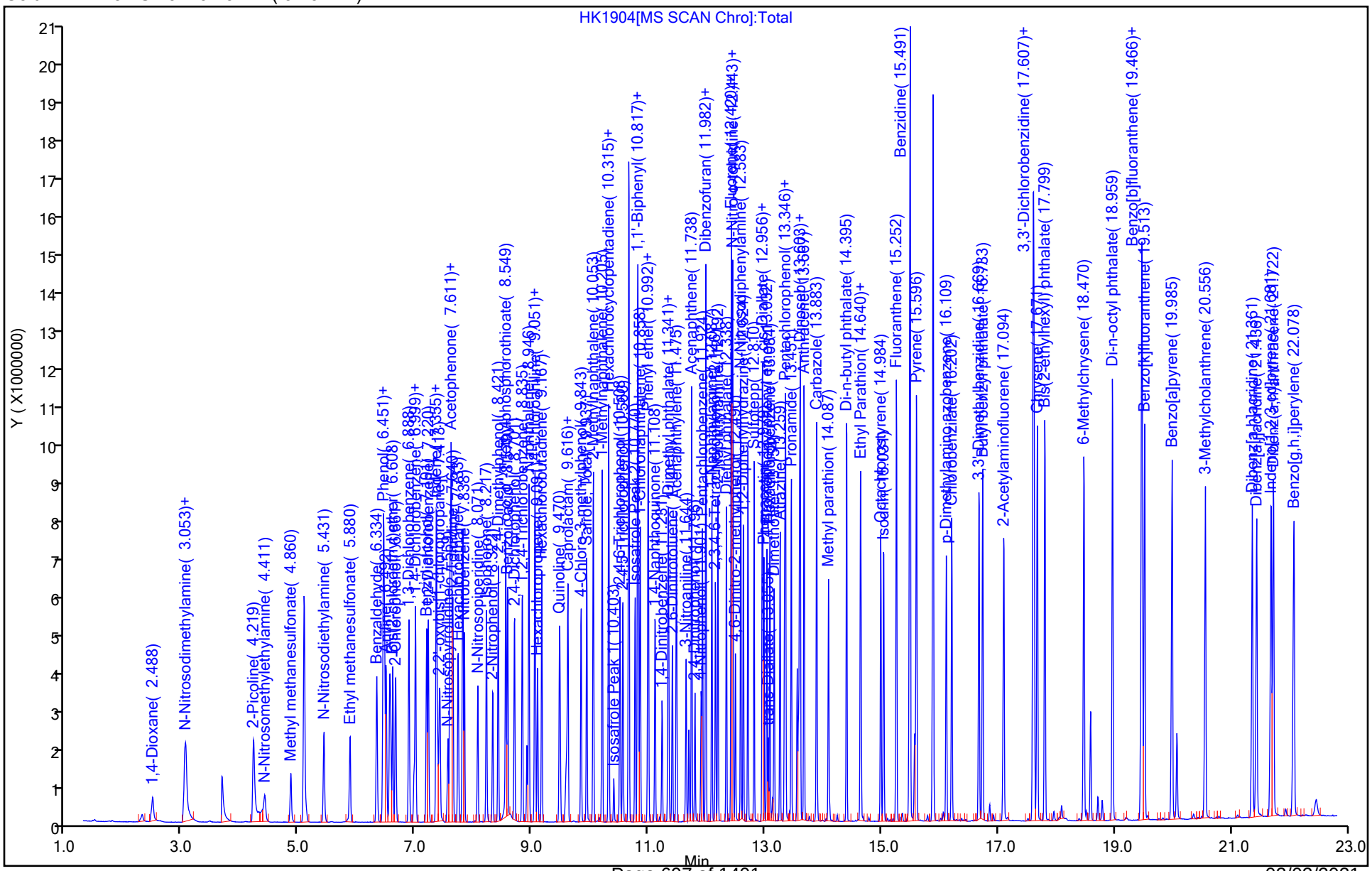
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Eurofins Lancaster Laboratories Env, LLC

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Lims ID:	IC L7			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

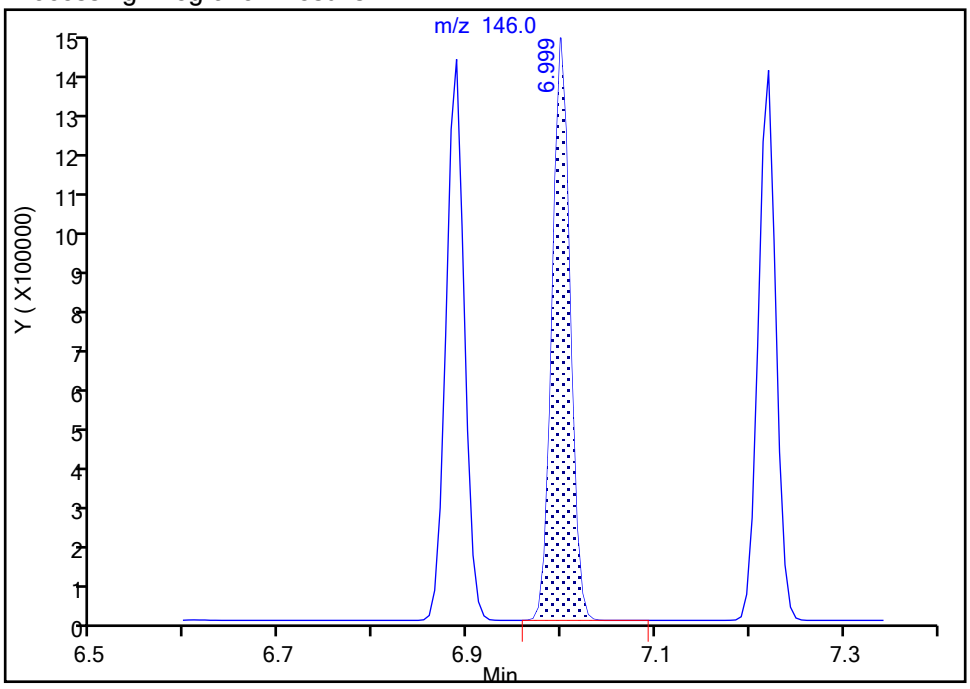
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Client ID:					
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

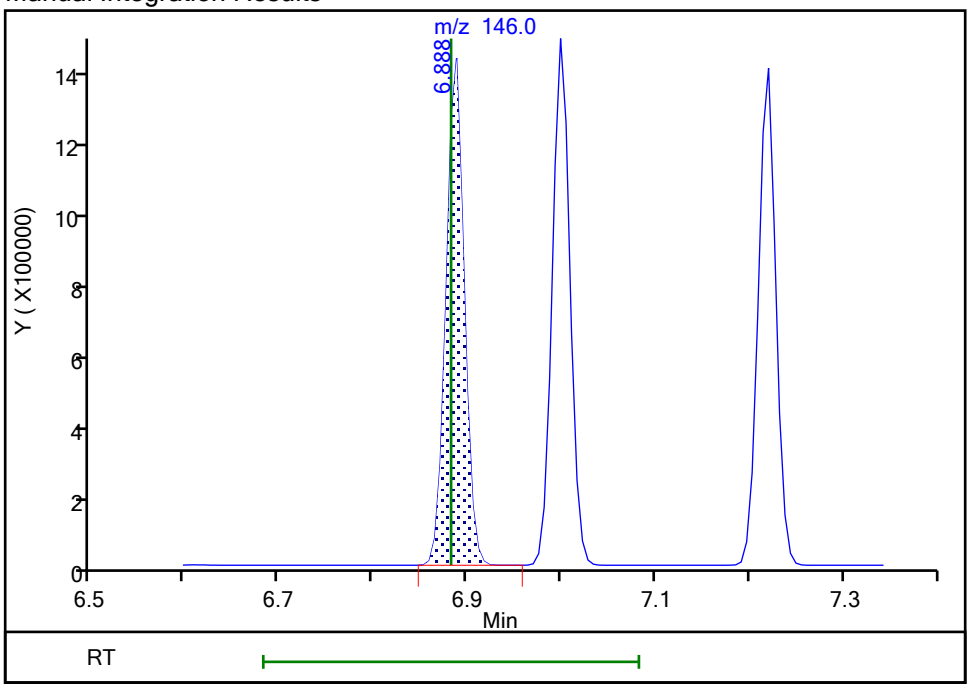
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RT: 7.00
Area: 1958750
Amount: 20.020973
Amount Units: ug/ml



Manual Integration Results

RT: 6.89
Area: 1933232
Amount: 19.894900
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:57:17

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

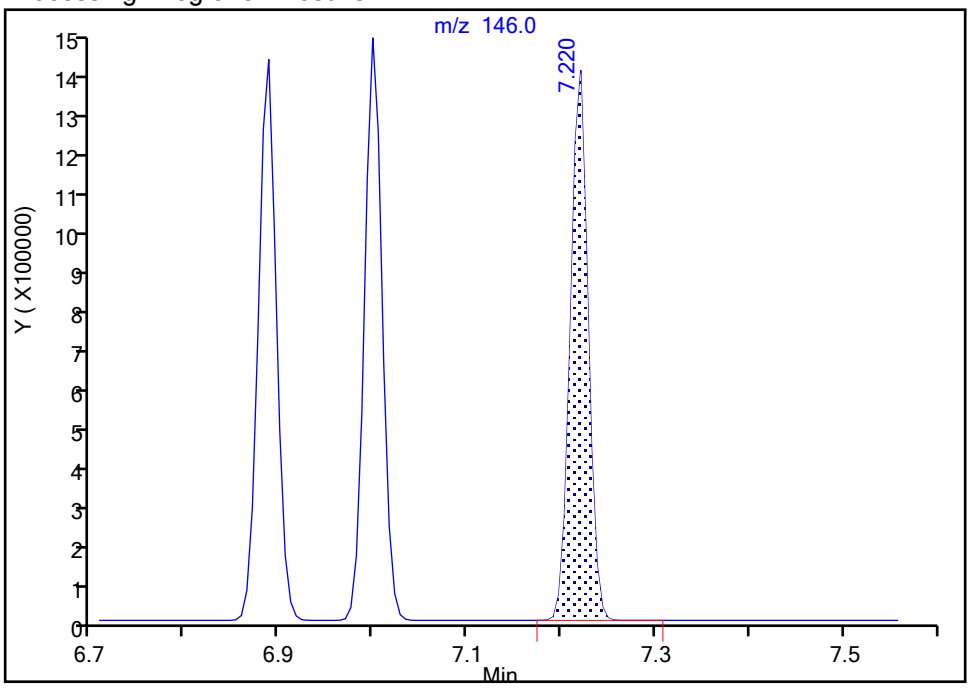
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

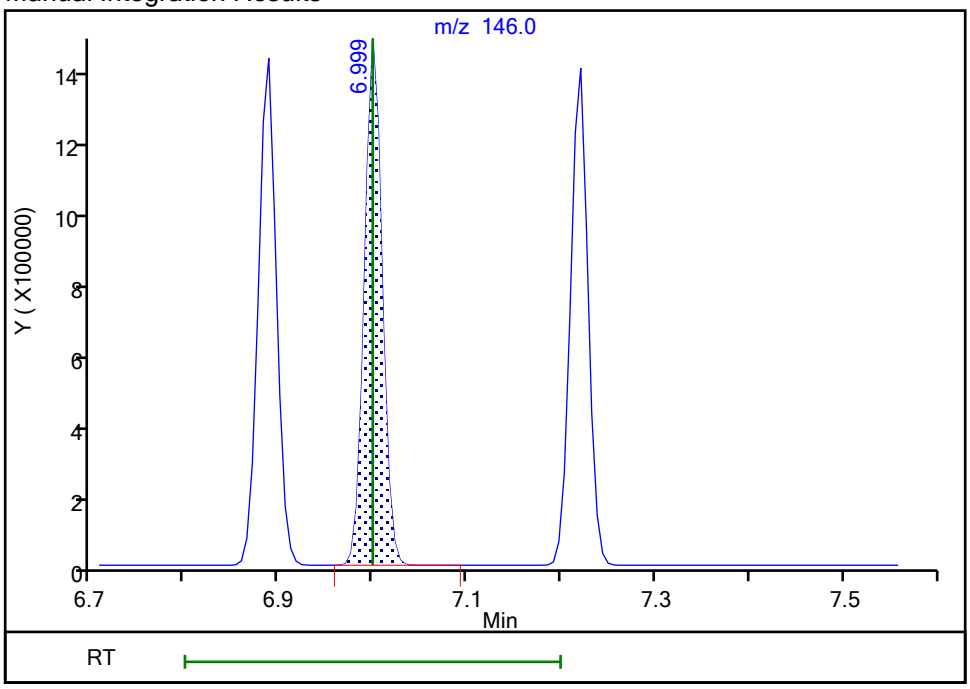
Processing Integration Results

RT: 7.22
Area: 1841413
Amount: 19.473970
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 1958750
Amount: 19.963821
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:25:53
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

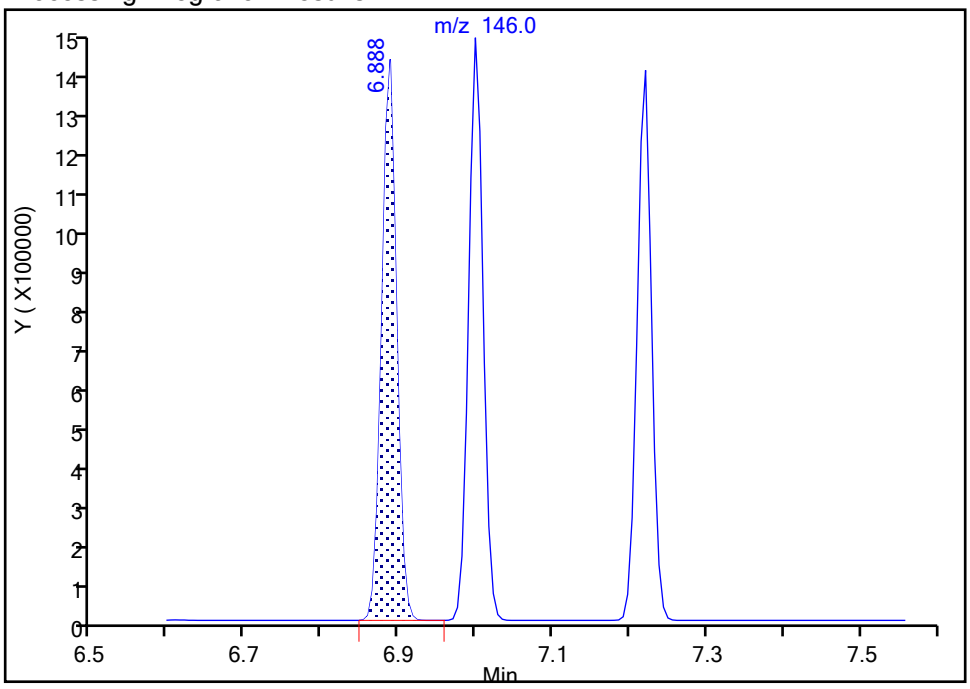
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Operator ID:	sw30417	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

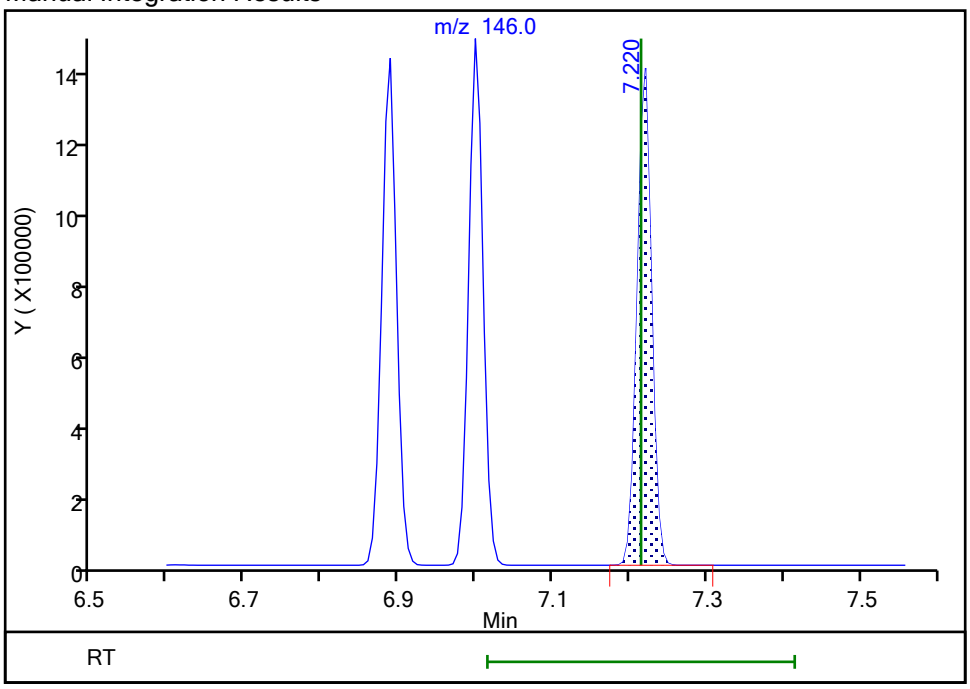
Processing Integration Results

RT: 6.89
Area: 1933232
Amount: 19.837722
Amount Units: ug/ml



Manual Integration Results

RT: 7.22
Area: 1841413
Amount: 19.795672
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:25:58

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

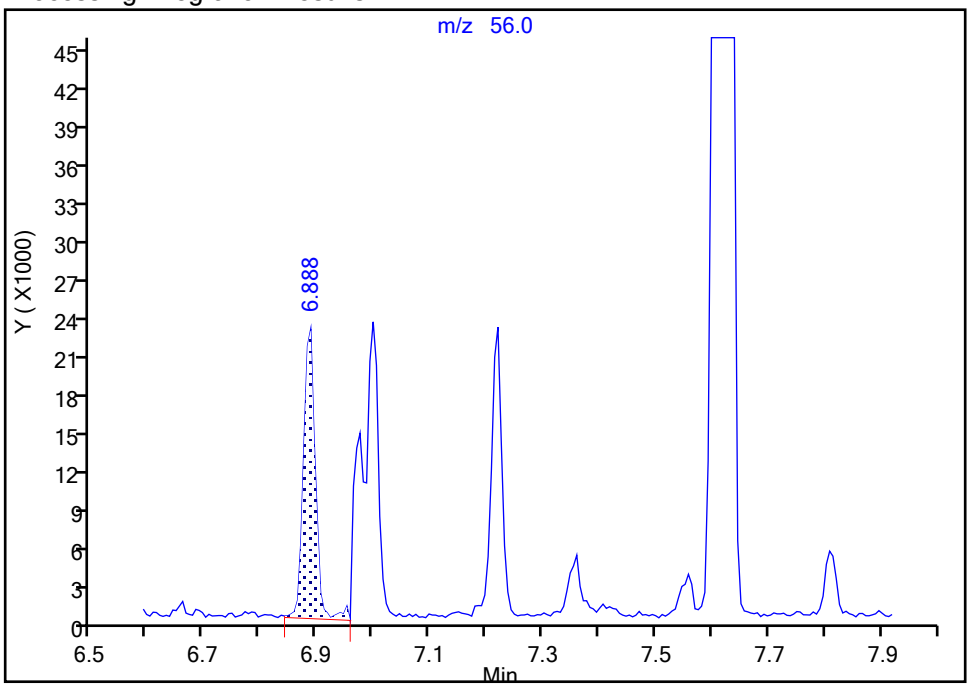
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Client ID:					
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

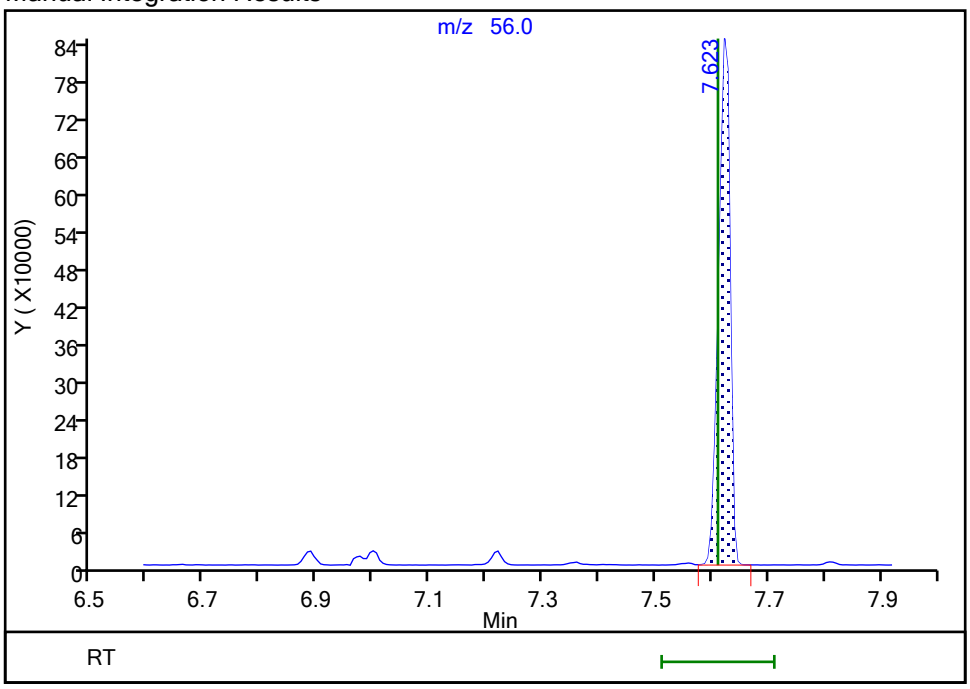
Processing Integration Results

RT: 6.89
Area: 32940
Amount: 1.575031
Amount Units: ug/ml



Manual Integration Results

RT: 7.62
Area: 1186144
Amount: 19.479941
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:25:52

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

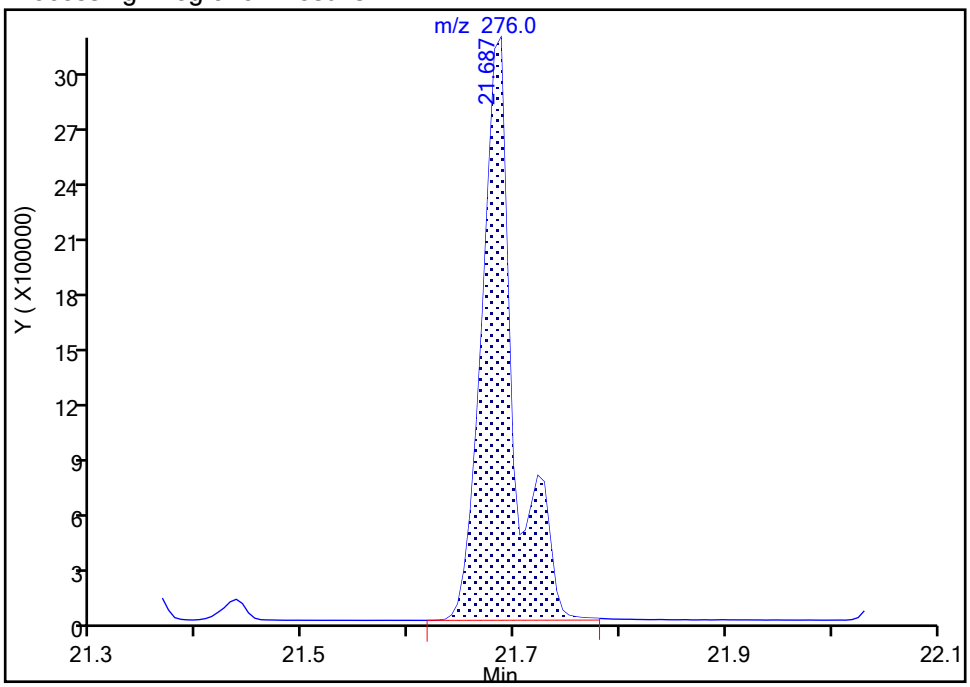
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Client ID:					
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

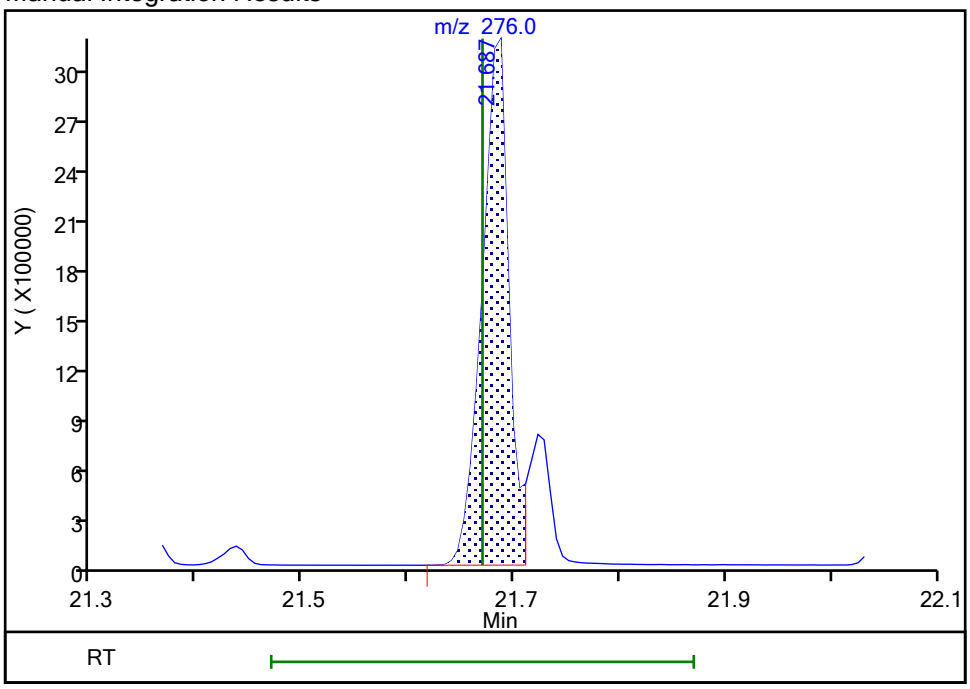
Processing Integration Results

RT: 21.69
Area: 6559763
Amount: 22.786083
Amount Units: ug/ml



Manual Integration Results

RT: 21.69
Area: 5475267
Amount: 21.215503
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:15:10

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1905.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Nov-2020 00:54:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0016459-006
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub4

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:31:46 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:16:28

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.488	2.482	0.006	95	435923	12.5	12.6	
	2 N-Nitrosodimethylamine	74	3.030	3.024	0.006	91	654772	12.5	12.3	
	3 Pyridine	79	3.059	3.059	0.000	84	1165351	12.5	12.2	
	5 2-Picoline	93	4.219	4.219	0.000	92	1242094	12.5	12.5	
	6 N-Nitrosomethylethylamine	88	4.411	4.411	0.000	96	510758	12.5	12.5	
	9 Methyl methanesulfonate	80	4.854	4.854	0.000	88	491370	12.5	12.3	
$	10 2-Fluorophenol	112	5.087	5.081	0.006	94	2169542	25.0	25.0	
	11 N-Nitrosodiethylamine	102	5.425	5.419	0.006	91	537375	12.5	12.9	
	13 Ethyl methanesulfonate	109	5.874	5.868	0.006	98	568675	12.5	12.4	
	15 Benzaldehyde	77	6.334	6.329	0.005	91	931680	12.5	13.1	
$	16 Phenol-d5	99	6.445	6.439	0.006	96	2565814	25.0	25.2	
	17 Phenol	94	6.463	6.457	0.006	93	1498303	12.5	12.6	
	18 Aniline	93	6.492	6.486	0.006	97	1765331	12.5	12.6	
	19 Bis(2-chloroethyl)ether	93	6.608	6.603	0.005	94	1129956	12.5	12.4	
	20 2-Chlorophenol	128	6.655	6.655	0.000	95	1203294	12.5	12.9	
	22 1,3-Dichlorobenzene	146	6.888	6.882	0.006	98	1329099	12.5	12.6	a
*	23 1,4-Dichlorobenzene-d4	152	6.976	6.976	0.000	95	333617	5.00	5.00	
	24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	95	1340665	12.5	12.6	a
	26 Benzyl alcohol	108	7.185	7.185	0.000	93	726859	12.5	12.5	
	27 1,2-Dichlorobenzene	146	7.220	7.215	0.005	98	1266776	12.5	12.6	a
	28 Indene	115	7.354	7.354	0.000	90	1621986	12.5	12.5	
	30 2-Methylphenol	108	7.360	7.360	0.000	92	1047311	12.5	12.9	
	32 2,2'-oxybis[1-chloropropane]	45	7.413	7.413	0.000	93	2026952	12.5	12.6	
	33 N-Nitrosopyrrolidine	100	7.547	7.541	0.006	87	578201	12.5	13.2	
	34 Acetophenone	105	7.588	7.582	0.006	96	1705947	12.5	13.3	
	36 4-Methylphenol	108	7.605	7.599	0.006	98	1088921	12.5	12.7	
	35 N-Nitrosodi-n-propylamine	70	7.611	7.605	0.006	91	799965	12.5	12.6	
	37 N-Nitrosomorpholine	56	7.617	7.611	0.006	93	822864	12.5	12.5	a
	38 2-Toluidine	106	7.640	7.634	0.006	95	1770122	12.5	12.7	
	40 Hexachloroethane	117	7.727	7.728	-0.001	96	532378	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	7.809	7.803	0.006	91	2329675	25.0	25.6	
42 Nitrobenzene	77	7.832	7.832	0.000	90	1174978	12.5	12.7	
43 N-Nitrosopiperidine	114	8.066	8.060	0.006	80	566260	12.5	12.9	
45 Isophorone	82	8.211	8.211	0.000	96	2042030	12.5	12.9	
46 2-Nitrophenol	139	8.322	8.322	0.000	89	632005	12.5	13.2	
48 2,4-Dimethylphenol	107	8.415	8.415	0.000	93	1115129	12.5	12.9	
50 Benzoic acid	105	8.561	8.538	0.023	90	733718	12.5	13.1	
49 o,o',o''-Triethylphosphorothioat	198	8.543	8.544	-0.001	84	600210	12.5	12.9	
51 Bis(2-chloroethoxy)methane	93	8.578	8.573	0.005	97	1351257	12.5	12.7	
52 2,4-Dichlorophenol	162	8.695	8.695	0.000	93	992110	12.5	12.9	
53 1,2,4-Trichlorobenzene	180	8.829	8.829	0.000	94	1056183	12.5	12.8	
* 54 Naphthalene-d8	136	8.911	8.911	0.000	99	1229025	5.00	5.00	
55 Naphthalene	128	8.946	8.946	0.000	97	3409610	12.5	12.6	
57 4-Chloroaniline	127	9.045	9.039	0.006	96	1329895	12.5	13.0	
S 56 Dinitrotoluene	165				0		25.0	25.8	
58 2,6-Dichlorophenol	162	9.051	9.051	0.000	96	953990	12.5	13.0	
59 Hexachloropropene	213	9.091	9.091	0.000	88	632006	12.5	12.9	
60 Hexachlorobutadiene	225	9.167	9.167	0.000	96	628999	12.5	12.7	
62 Quinoline	129	9.470	9.464	0.006	97	2118667	12.5	12.8	
63 Caprolactam	113	9.581	9.558	0.023	74	365725	12.5	13.5	
64 N-Nitrosodi-n-butylamine	84	9.616	9.610	0.006	90	721354	12.5	11.8	
S 65 Diallate	86				0		12.5	12.7	
66 4-Chloro-3-methylphenol	107	9.837	9.832	0.005	96	959306	12.5	13.2	
67 Safrole, Total	162	9.937	9.937	0.000	91	887952	12.5	12.8	
68 2-Methylnaphthalene	142	10.047	10.047	0.000	92	2244864	12.5	12.7	
69 1-Methylnaphthalene	142	10.205	10.199	0.006	93	2147510	12.5	12.9	
71 Hexachlorocyclopentadiene	237	10.315	10.310	0.005	95	624635	12.5	12.6	
72 1,2,4,5-Tetrachlorobenzene	216	10.315	10.315	0.000	97	1032836	12.5	12.6	
73 Isosafrole Peak 1	162	10.403	10.403	0.000	91	155910	2.00	2.01	
74 2,4,6-Trichlorophenol	196	10.508	10.508	0.000	92	713225	12.5	13.2	
75 2,4,5-Trichlorophenol	196	10.554	10.549	0.005	95	761233	12.5	13.2	
$ 76 2-Fluorobiphenyl (Surr)	172	10.659	10.659	0.000	100	5078889	25.0	25.5	
77 Isosafrole Peak 2	162	10.764	10.764	0.000	93	886256	10.5	10.7	
78 1,1'-Biphenyl	154	10.811	10.811	0.000	96	3029025	12.5	13.3	
79 2-Chloronaphthalene	162	10.822	10.817	0.005	97	2181814	12.5	12.9	
80 1-Chloronaphthalene	162	10.852	10.852	0.000	99	1881540	12.5	12.3	
81 Phenyl ether	170	10.992	10.986	0.006	85	1485300	12.5	12.7	
82 2-Nitroaniline	138	10.997	10.992	0.005	84	721074	12.5	13.3	
84 1,4-Naphthoquinone	158	11.108	11.108	0.000	92	917814	12.5	13.1	
85 1,4-Dinitrobenzene	168	11.230	11.225	0.005	96	374127	12.5	12.9	
86 Dimethyl phthalate	163	11.335	11.330	0.005	98	2349528	12.5	12.6	
87 1,3-Dinitrobenzene	168	11.341	11.341	0.000	84	421038	12.5	13.1	
88 2,6-Dinitrotoluene	165	11.405	11.400	0.005	94	557286	12.5	13.0	
89 Acenaphthylene	152	11.475	11.475	0.000	98	3010459	12.5	12.9	
90 3-Nitroaniline	138	11.638	11.639	-0.001	91	593857	12.5	13.3	
* 91 Acenaphthene-d10	164	11.691	11.691	0.000	97	604064	5.00	5.00	
93 Acenaphthene	153	11.738	11.738	0.000	95	2206139	12.5	12.7	
94 2,4-Dinitrophenol	184	11.796	11.790	0.006	86	354086	12.5	12.9	
95 4-Nitrophenol	109	11.901	11.889	0.012	81	329539	12.5	12.2	
96 Pentachlorobenzene	250	11.924	11.924	0.000	98	937526	12.5	12.8	
97 Dibenzofuran	168	11.982	11.977	0.005	95	3015465	12.5	12.6	
98 2,4-Dinitrotoluene	165	11.982	11.977	0.005	64	735490	12.5	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	12.081	12.081	0.000	98	2150599	12.5	12.5	
101 2,3,4,6-Tetrachlorophenol	232	12.146	12.146	0.000	73	574758	12.5	13.2	
103 2-Naphthylamine	143	12.186	12.186	0.000	97	2112567	12.5	12.7	
104 Diethyl phthalate	149	12.332	12.326	0.006	98	2392792	12.5	12.8	
105 Fluorene	166	12.414	12.414	0.000	95	2412667	12.5	12.7	
106 Thionazin	107	12.420	12.420	0.000	80	414192	12.5	12.7	
108 4-Chlorophenyl phenyl ether	204	12.437	12.437	0.000	90	1147204	12.5	12.6	
109 4-Nitroaniline	138	12.449	12.437	0.012	88	629024	12.5	13.2	
107 N-Nitro-o-toluidine	152	12.437	12.437	0.000	86	684817	12.5	13.3	
110 4,6-Dinitro-2-methylphenol	198	12.489	12.484	0.005	85	454896	12.5	12.9	
111 N-Nitrosodiphenylamine	169	12.577	12.577	0.000	62	2020735	12.5	12.8	
112 1,2-Diphenylhydrazine	77	12.624	12.624	0.000	41	2211748	12.5	12.6	
$ 113 2,4,6-Tribromophenol	330	12.705	12.699	0.006	94	782892	25.0	25.9	
114 Sulfotepp	97	12.810	12.804	0.006	84	380851	12.5	12.7	
115 cis-Diallate	86	12.944	12.944	0.000	86	722546	9.25	9.35	
116 Phorate	75	12.956	12.956	0.000	95	1382187	12.5	13.2	
117 Phenacetin	108	12.973	12.967	0.006	95	1183389	12.5	13.6	
118 4-Bromophenyl phenyl ether	248	13.026	13.026	0.000	65	673750	12.5	12.6	
119 trans-Diallate	86	13.049	13.049	0.000	88	254486	3.25	3.30	
120 Hexachlorobenzene	284	13.078	13.078	0.000	95	766865	12.5	12.4	
121 Dimethoate	87	13.148	13.148	0.000	95	937479	12.5	13.1	
122 Atrazine	200	13.253	13.253	0.000	92	732897	12.5	13.5	
123 Pentachlorophenol	266	13.329	13.329	0.000	94	544877	12.5	13.2	
125 4-Aminobiphenyl	169	13.346	13.346	0.000	90	1598034	12.5	13.3	
124 Pentachloronitrobenzene	237	13.352	13.346	0.006	87	311570	12.5	12.8	
126 Pronamide	173	13.445	13.445	0.000	90	1159187	12.5	13.5	
* 127 Phenanthrene-d10	188	13.568	13.568	0.000	99	1182425	5.00	5.00	
128 Dinoseb	211	13.585	13.585	0.000	97	657807	12.5	13.0	
129 Phenanthrene	178	13.597	13.597	0.000	98	3478845	12.5	12.6	
130 Anthracene	178	13.667	13.667	0.000	97	3559729	12.5	12.9	
131 Carbazole	167	13.883	13.883	0.000	95	3377295	12.5	12.9	
132 Methyl parathion	109	14.087	14.087	0.000	94	810491	12.5	13.4	
133 Di-n-butyl phthalate	149	14.395	14.395	0.000	99	4410863	12.5	13.0	
134 Ethyl Parathion	109	14.634	14.634	0.000	86	501947	12.5	13.3	
135 4-Nitroquinoline-1-oxide	190	14.640	14.640	0.000	93	445072	12.5	13.1	
136 Octachlorostyrene	308	14.984	14.984	0.000	93	337330	12.5	12.6	
137 Isodrin	193	15.031	15.031	0.000	95	430453	12.5	12.7	
138 Fluoranthene	202	15.252	15.252	0.000	97	4174695	12.5	13.1	
139 Benzidine	184	15.485	15.480	0.005	99	8354387	37.5	38.7	
* 140 Pyrene-d10 (IS)	212	15.561	15.561	0.000	100	1201188	5.00	5.00	
141 Pyrene	202	15.596	15.590	0.006	98	4182775	12.5	12.6	
$ 142 p-Terphenyl-d14	244	15.882	15.876	0.006	98	6249200	25.0	26.0	
143 p-Dimethylamino azobenzene	225	16.109	16.109	0.000	94	762427	12.5	13.8	
144 Chlorobenzilate	139	16.202	16.202	0.000	91	1254839	12.5	13.0	
145 3,3'-Dimethylbenzidine	212	16.669	16.669	0.000	99	2857447	12.5	13.2	
146 Butyl benzyl phthalate	149	16.733	16.733	0.000	97	1958081	12.5	13.0	
147 2-Acetylaminofluorene	181	17.088	17.082	0.006	95	1677299	12.5	13.6	
149 3,3'-Dichlorobenzidine	252	17.595	17.590	0.005	80	1551843	12.5	13.3	
148 Benzo[a]anthracene	228	17.607	17.601	0.006	99	3822945	12.5	13.5	
150 4,4'-Methylene bis(2-chloroani	231	17.613	17.613	0.000	97	776911	12.5	12.9	
151 Chrysene	228	17.665	17.665	0.000	97	3752396	12.5	13.1	
152 Bis(2-ethylhexyl) phthalate	149	17.799	17.799	0.000	97	2842894	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	18.470	18.464	0.006	99	2767271	12.5	12.9	
154 Di-n-octyl phthalate	149	18.959	18.959	0.000	99	5045297	12.5	13.2	
155 Benzo[b]fluoranthene	252	19.455	19.449	0.006	98	4158913	12.5	13.3	
156 7,12-Dimethylbenz(a)anthracene	256	19.466	19.461	0.005	91	1871865	12.5	13.2	
157 Benzo[k]fluoranthene	252	19.507	19.501	0.006	99	3910881	12.5	13.0	
158 Benzo[a]pyrene	252	19.979	19.973	0.006	77	3850491	12.5	13.4	
* 159 Perylene-d12	264	20.067	20.067	0.000	98	1261246	5.00	5.00	
160 3-Methylcholanthrene	268	20.550	20.551	0.000	93	2010676	12.5	13.6	
161 Dibenz[a,h]acridine	279	21.355	21.355	0.000	91	3159896	12.5	13.2	
162 Dibenz[a,j]acridine	279	21.431	21.425	0.006	96	3319323	12.5	13.3	
163 Indeno[1,2,3-cd]pyrene	276	21.675	21.670	0.005	99	3647124	12.5	13.1	M
164 Dibenz(a,h)anthracene	278	21.716	21.710	0.006	92	3843420	12.5	13.2	
165 Benzo[g,h,i]perylene	276	22.072	22.060	0.012	98	3780026	12.5	12.8	
S 166 Isosafrole	162				0		12.5	12.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00007 Amount Added: 1.00 Units: mL

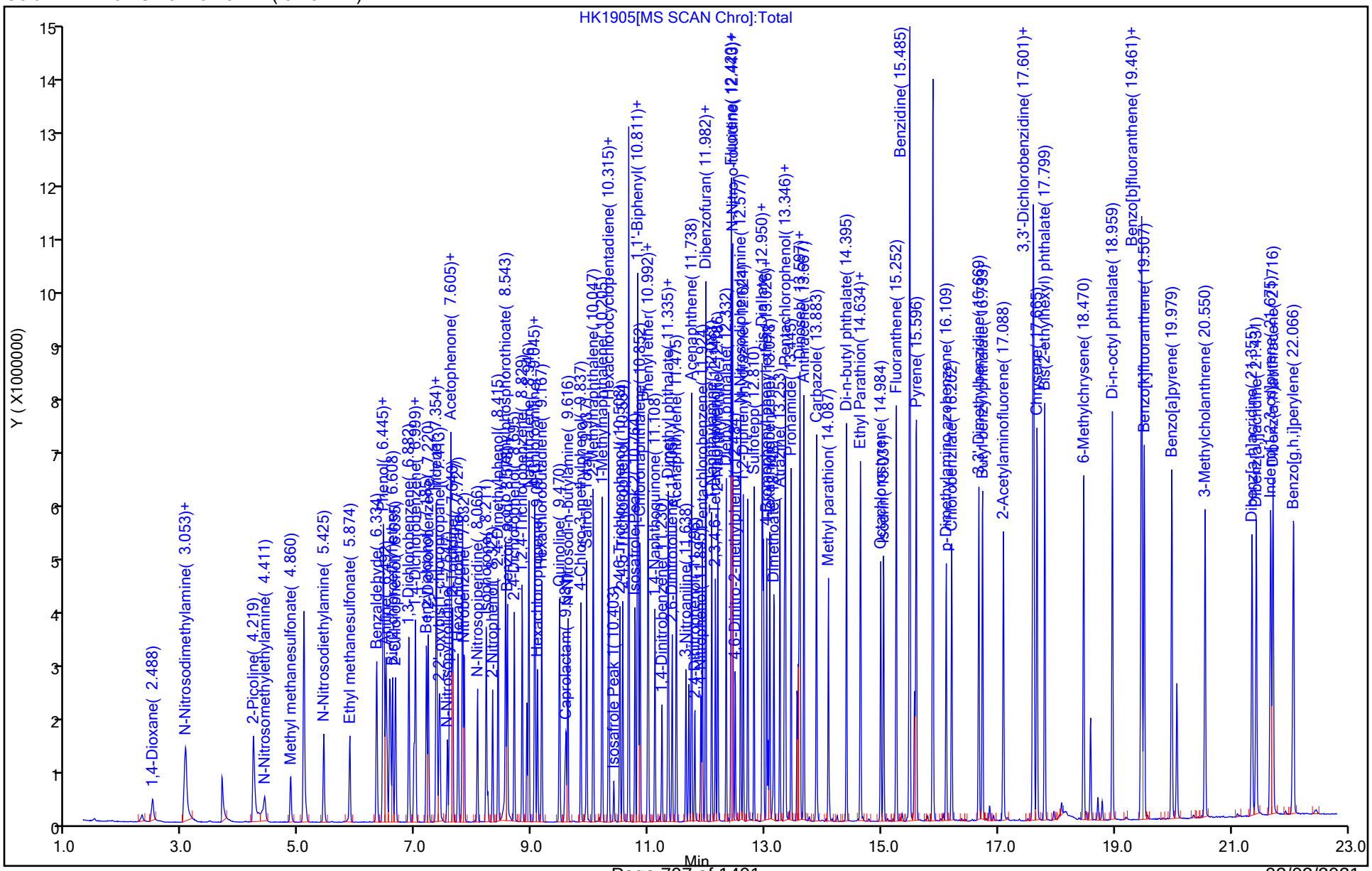
Report Date: 25-Nov-2020 09:31:51 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1905.D

Injection Date:	25-Nov-2020 00:54:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	IC L6			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

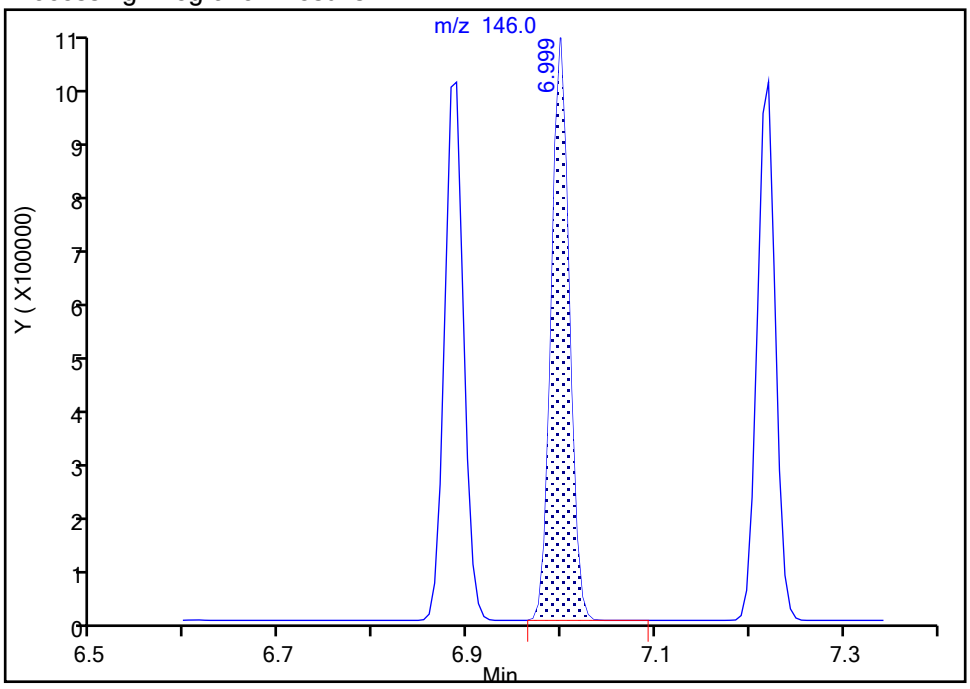
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Lims ID:	IC L6				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

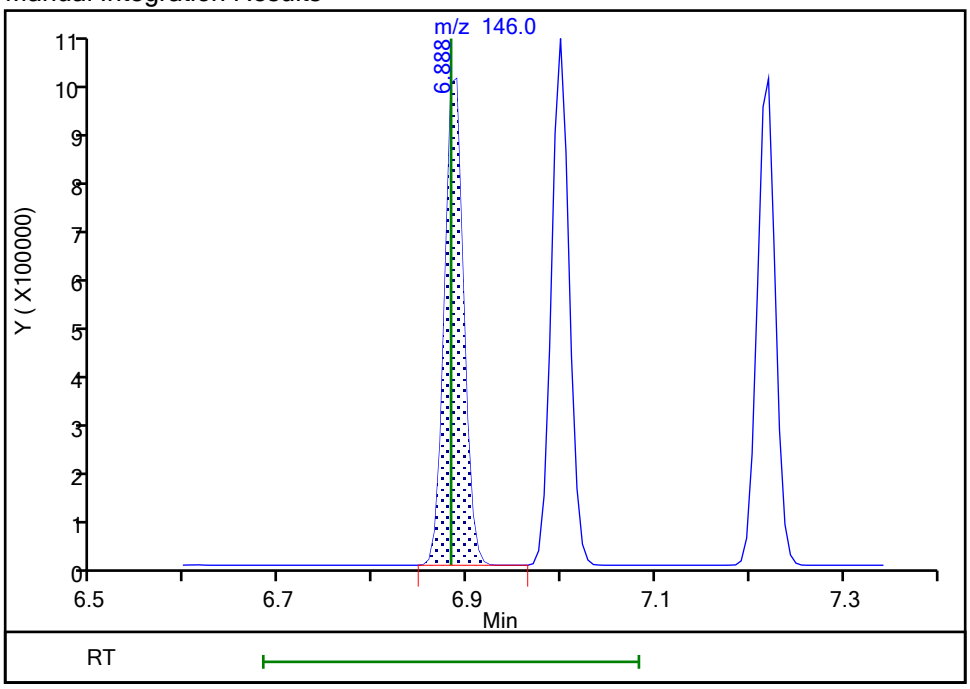
Processing Integration Results

RT: 7.00
Area: 1340665
Amount: 12.672553
Amount Units: ug/ml



Manual Integration Results

RT: 6.89
Area: 1329099
Amount: 12.625335
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:57:46

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

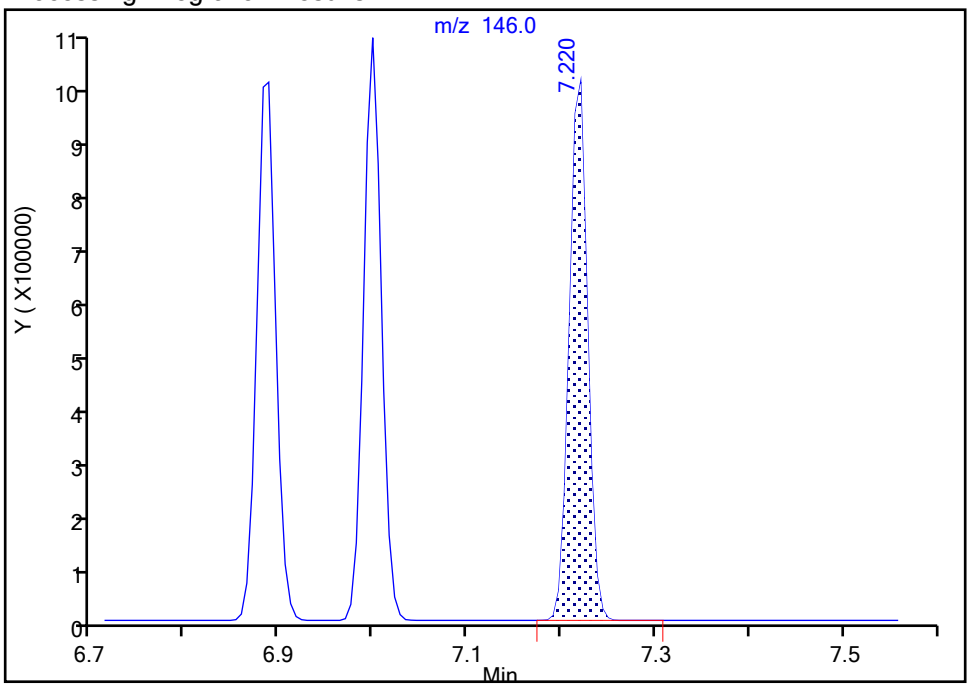
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Injection Date:	25-Nov-2020 00:54:30	Instrument ID:	HP18831		
Lims ID:	IC L6				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

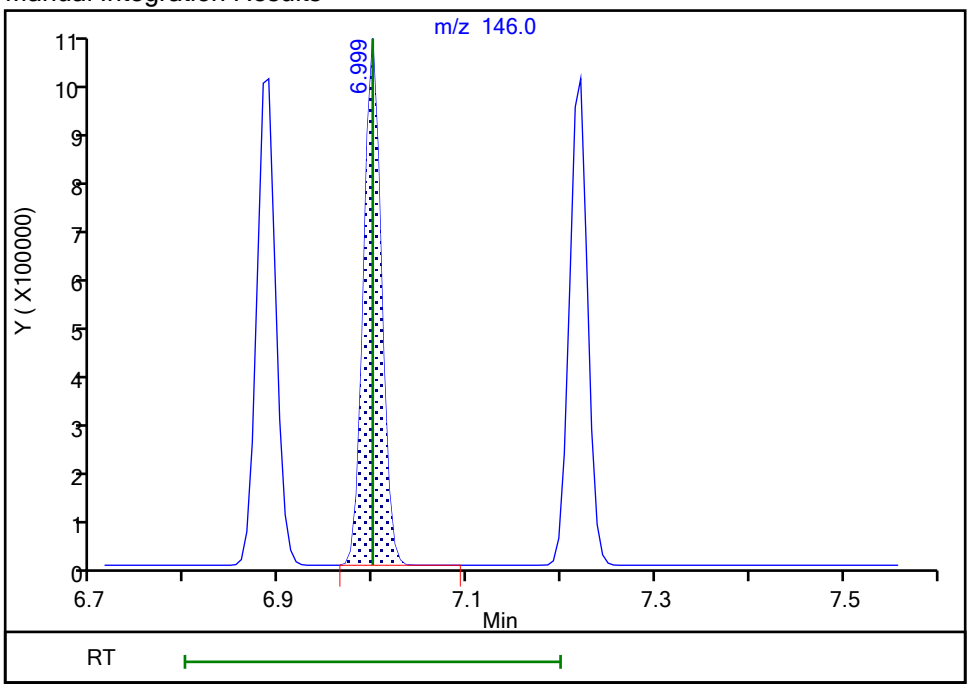
Processing Integration Results

RT: 7.22
Area: 1266776
Amount: 12.257403
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 1340665
Amount: 12.612836
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:26:23

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

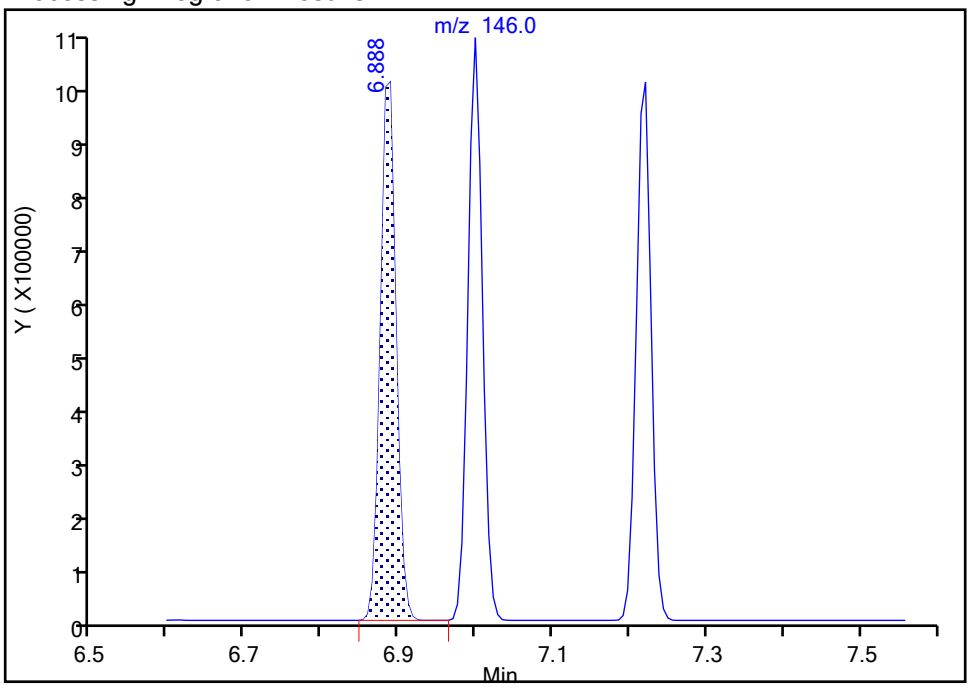
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Injection Date:	25-Nov-2020 00:54:30	Instrument ID:	HP18831		
Lims ID:	IC L6				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

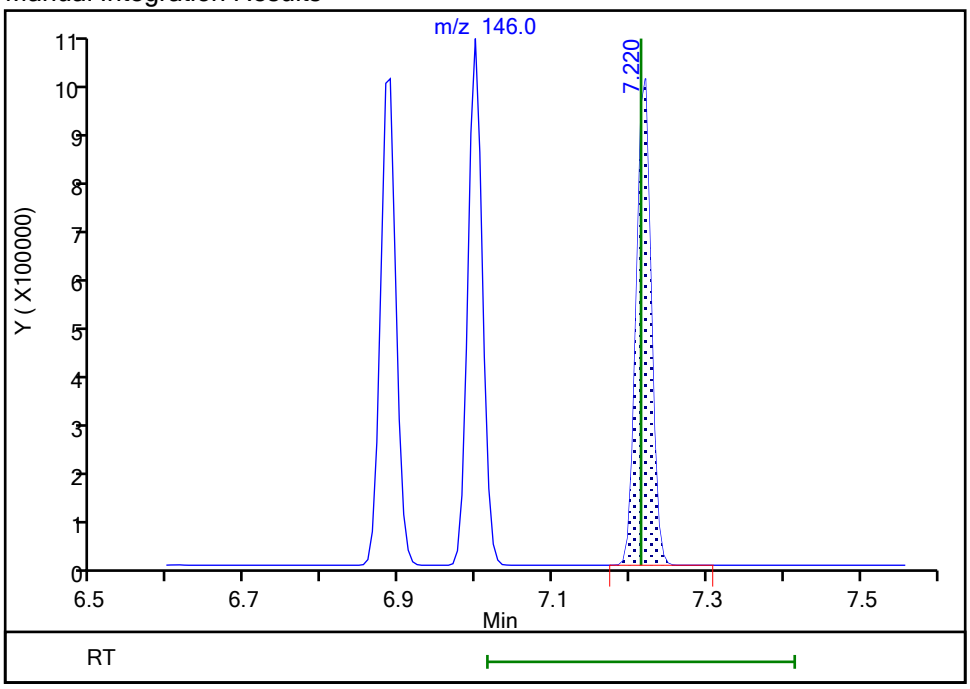
Processing Integration Results

RT: 6.89
Area: 1329099
Amount: 12.565548
Amount Units: ug/ml



Manual Integration Results

RT: 7.22
Area: 1266776
Amount: 12.570330
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:26:17

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

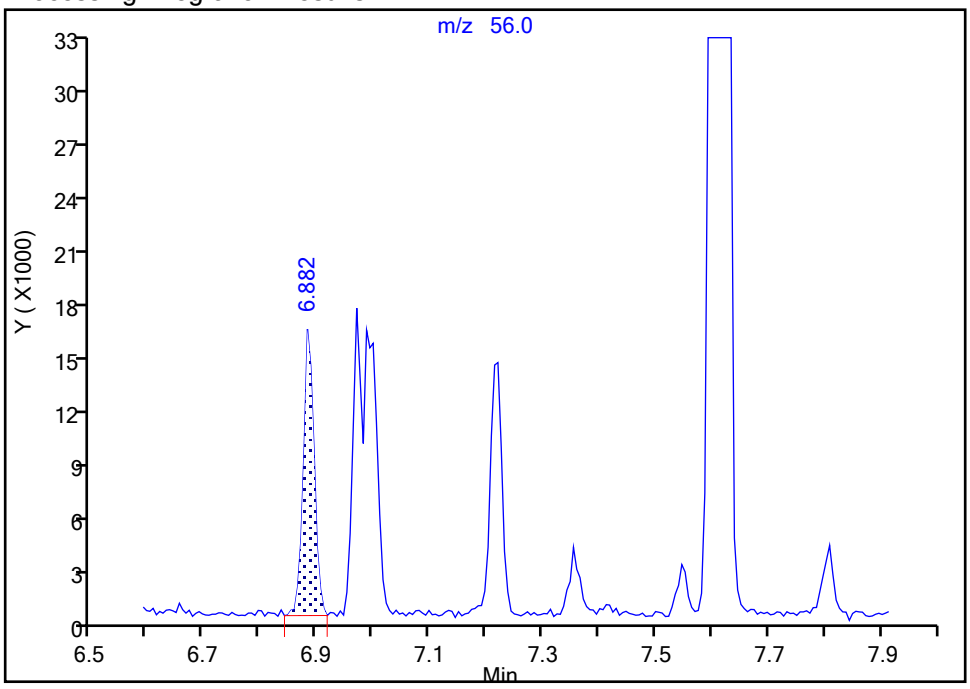
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Injection Date:	25-Nov-2020 00:54:30	Instrument ID:	HP18831		
Lims ID:	IC L6				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

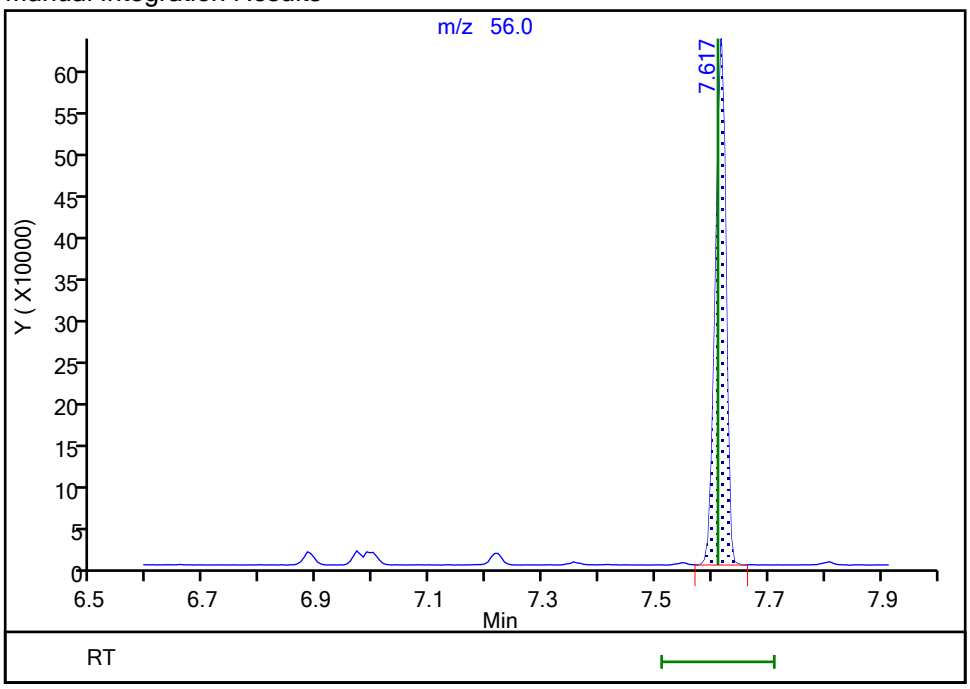
Processing Integration Results

RT: 6.88
Area: 21177
Amount: 0.640401
Amount Units: ug/ml



Manual Integration Results

RT: 7.62
Area: 822864
Amount: 12.474010
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:26:10

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

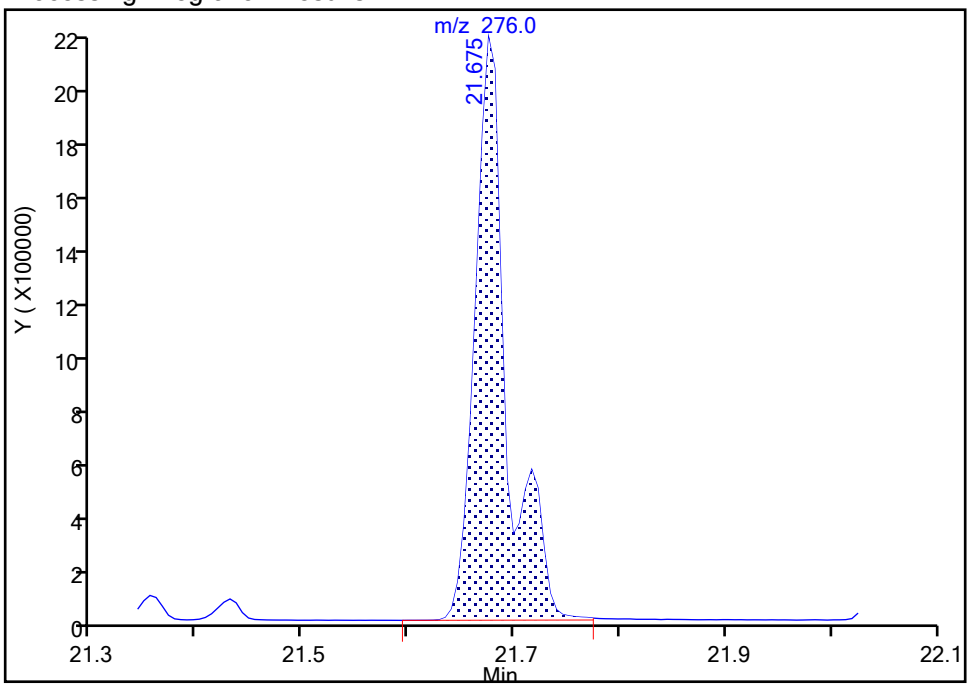
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Injection Date:	25-Nov-2020 00:54:30	Instrument ID:	HP18831		
Lims ID:	IC L6				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

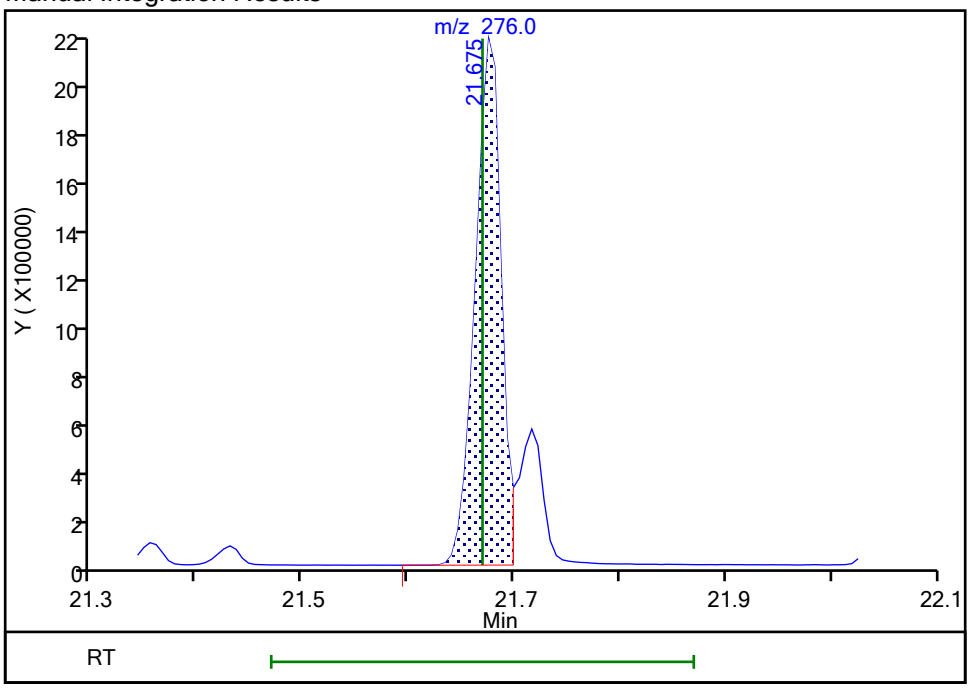
Processing Integration Results

RT: 21.68
Area: 4528744
Amount: 14.919719
Amount Units: ug/ml



Manual Integration Results

RT: 21.68
Area: 3647124
Amount: 13.087370
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:16:25

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1906.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 25-Nov-2020 01:23:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0016459-007
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub4

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:31:58 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:17:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.493	2.482	0.011	95	105309	3.75	3.49	
2 N-Nitrosodimethylamine	74	3.036	3.024	0.012	91	177489	3.75	3.81	
3 Pyridine	79	3.065	3.059	0.006	88	321113	3.75	3.86	
5 2-Picoline	93	4.219	4.219	0.000	91	335797	3.75	3.86	
6 N-Nitrosomethylethylamine	88	4.405	4.411	-0.006	95	136576	3.75	3.82	
9 Methyl methanesulfonate	80	4.854	4.854	0.000	86	132722	3.75	3.81	
$ 10 2-Fluorophenol	112	5.081	5.081	0.000	94	581203	7.50	7.67	
11 N-Nitrosodiethylamine	102	5.419	5.419	0.000	91	142617	3.75	3.91	
13 Ethyl methanesulfonate	109	5.862	5.868	-0.006	98	154562	3.75	3.85	
15 Benzaldehyde	77	6.329	6.329	0.000	92	252684	3.75	4.09	
$ 16 Phenol-d5	99	6.439	6.439	0.000	96	688771	7.50	7.74	
17 Phenol	94	6.457	6.457	0.000	93	398894	3.75	3.85	
18 Aniline	93	6.486	6.486	0.000	96	468186	3.75	3.84	
19 Bis(2-chloroethyl)ether	93	6.603	6.603	0.000	94	302406	3.75	3.82	
20 2-Chlorophenol	128	6.649	6.655	-0.006	95	315267	3.75	3.88	
22 1,3-Dichlorobenzene	146	6.882	6.882	0.000	98	355249	3.75	3.87	a
* 23 1,4-Dichlorobenzene-d4	152	6.970	6.976	-0.006	94	291115	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	95	362480	3.75	3.91	a
26 Benzyl alcohol	108	7.180	7.185	-0.005	93	200785	3.75	3.95	
27 1,2-Dichlorobenzene	146	7.215	7.215	0.000	98	343134	3.75	3.90	a
28 Indene	115	7.355	7.354	0.001	89	450690	3.75	3.97	
30 2-Methylphenol	108	7.355	7.360	-0.005	94	279266	3.75	3.94	
32 2,2'-oxybis[1-chloropropane]	45	7.407	7.413	-0.006	94	536800	3.75	3.83	
33 N-Nitrosopyrrolidine	100	7.535	7.541	-0.006	85	147596	3.75	3.87	
34 Acetophenone	105	7.582	7.582	0.000	95	432305	3.75	3.85	
36 4-Methylphenol	108	7.594	7.599	-0.005	95	295712	3.75	3.94	
35 N-Nitrosodi-n-propylamine	70	7.599	7.605	-0.006	90	218213	3.75	3.93	
37 N-Nitrosomorpholine	56	7.605	7.611	-0.006	93	228535	3.75	3.97	a
38 2-Toluidine	106	7.629	7.634	-0.006	93	484305	3.75	3.97	
40 Hexachloroethane	117	7.728	7.728	0.000	95	142965	3.75	3.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	7.798	7.803	-0.005	91	624019	7.50	7.78	
42 Nitrobenzene	77	7.827	7.832	-0.005	90	320131	3.75	3.92	
43 N-Nitrosopiperidine	114	8.060	8.060	0.000	80	150549	3.75	3.90	
45 Isophorone	82	8.206	8.211	-0.005	96	541036	3.75	3.89	
46 2-Nitrophenol	139	8.322	8.322	0.000	88	164676	3.75	3.89	
48 2,4-Dimethylphenol	107	8.410	8.415	-0.005	93	298959	3.75	3.94	
50 Benzoic acid	105	8.526	8.538	-0.012	88	320686	7.50	7.69	
49 o,o',o''-Triethylphosphorothioat	198	8.544	8.544	0.000	81	161432	3.75	3.94	
51 Bis(2-chloroethoxy)methane	93	8.573	8.573	0.000	98	366166	3.75	3.91	
52 2,4-Dichlorophenol	162	8.689	8.695	-0.006	93	266053	3.75	3.93	
53 1,2,4-Trichlorobenzene	180	8.829	8.829	0.000	94	285958	3.75	3.92	
* 54 Naphthalene-d8	136	8.911	8.911	0.000	99	1083508	5.00	5.00	
55 Naphthalene	128	8.940	8.946	-0.006	97	928090	3.75	3.90	
57 4-Chloroaniline	127	9.039	9.039	0.000	96	352436	3.75	3.90	
S 56 Dinitrotoluene	165				0		7.50	7.83	
58 2,6-Dichlorophenol	162	9.051	9.051	0.000	97	256485	3.75	3.98	
59 Hexachloropropene	213	9.091	9.091	0.000	88	165683	3.75	3.83	
60 Hexachlorobutadiene	225	9.167	9.167	0.000	97	169081	3.75	3.88	
62 Quinoline	129	9.465	9.464	0.001	97	561563	3.75	3.83	
63 Caprolactam	113	9.546	9.558	-0.012	76	92333	3.75	3.86	
64 N-Nitrosodi-n-butylamine	84	9.610	9.610	0.000	91	187704	3.75	3.48	
S 65 Diallate	86				0		3.75	3.88	
66 4-Chloro-3-methylphenol	107	9.826	9.832	-0.006	95	248217	3.75	3.86	
67 Safrole, Total	162	9.937	9.937	0.000	90	234656	3.75	3.83	
68 2-Methylnaphthalene	142	10.047	10.047	0.000	92	606700	3.75	3.89	
69 1-Methylnaphthalene	142	10.199	10.199	0.000	93	581068	3.75	3.95	
71 Hexachlorocyclopentadiene	237	10.310	10.310	0.000	97	163755	3.75	3.79	
72 1,2,4,5-Tetrachlorobenzene	216	10.316	10.315	0.001	96	280135	3.75	3.92	
73 Isosafrole Peak 1	162	10.403	10.403	0.000	93	42335	0.6000	0.6252	
74 2,4,6-Trichlorophenol	196	10.502	10.508	-0.006	92	183546	3.75	3.89	
75 2,4,5-Trichlorophenol	196	10.549	10.549	0.000	95	200603	3.75	3.98	
$ 76 2-Fluorobiphenyl (Surr)	172	10.654	10.659	-0.005	100	1370699	7.50	7.88	
77 Isosafrole Peak 2	162	10.764	10.764	0.000	93	235893	3.15	3.27	
78 1,1'-Biphenyl	154	10.805	10.811	-0.006	96	778638	3.75	3.90	
79 2-Chloronaphthalene	162	10.817	10.817	0.000	97	586462	3.75	3.97	
80 1-Chloronaphthalene	162	10.852	10.852	0.000	99	526890	3.75	3.93	
81 Phenyl ether	170	10.986	10.986	0.000	86	405812	3.75	3.96	
82 2-Nitroaniline	138	10.986	10.992	-0.006	87	187645	3.75	3.97	
84 1,4-Naphthoquinone	158	11.102	11.108	-0.006	91	238664	3.75	3.88	
85 1,4-Dinitrobenzene	168	11.225	11.225	0.000	97	96666	3.75	3.81	
86 Dimethyl phthalate	163	11.324	11.330	-0.006	98	640019	3.75	3.91	
87 1,3-Dinitrobenzene	168	11.336	11.341	-0.005	87	109192	3.75	3.89	
88 2,6-Dinitrotoluene	165	11.400	11.400	0.000	93	148462	3.75	3.96	
89 Acenaphthylene	152	11.470	11.475	-0.005	98	804506	3.75	3.93	
90 3-Nitroaniline	138	11.633	11.639	-0.006	90	154590	3.75	3.96	
* 91 Acenaphthene-d10	164	11.685	11.691	-0.006	97	527804	5.00	5.00	
93 Acenaphthene	153	11.732	11.738	-0.006	95	599471	3.75	3.94	
94 2,4-Dinitrophenol	184	11.790	11.790	0.000	86	163612	7.50	6.80	
95 4-Nitrophenol	109	11.889	11.889	0.000	82	82139	3.75	3.49	
96 Pentachlorobenzene	250	11.918	11.924	-0.006	98	252732	3.75	3.95	
97 Dibenzofuran	168	11.977	11.977	0.000	97	827010	3.75	3.96	
98 2,4-Dinitrotoluene	165	11.977	11.977	0.000	89	194012	3.75	3.87	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	12.076	12.081	-0.005	98	574943	3.75	3.83	
101 2,3,4,6-Tetrachlorophenol	232	12.146	12.146	0.000	73	153422	3.75	4.02	
103 2-Naphthylamine	143	12.181	12.186	-0.005	98	546682	3.75	3.77	
104 Diethyl phthalate	149	12.326	12.326	0.000	98	617279	3.75	3.77	
105 Fluorene	166	12.414	12.414	0.000	95	655572	3.75	3.96	
106 Thionazin	107	12.414	12.420	-0.006	77	109586	3.75	3.86	
109 4-Nitroaniline	138	12.437	12.437	0.000	81	172400	3.75	4.13	
107 N-Nitro-o-toluidine	152	12.431	12.437	-0.006	88	179433	3.75	3.99	
108 4-Chlorophenyl phenyl ether	204	12.437	12.437	0.000	91	313603	3.75	3.94	
110 4,6-Dinitro-2-methylphenol	198	12.478	12.484	-0.006	84	107864	3.75	3.61	
111 N-Nitrosodiphenylamine	169	12.577	12.577	0.000	62	547802	3.75	4.08	
112 1,2-Diphenylhydrazine	77	12.618	12.624	-0.006	41	593611	3.75	3.98	
$ 113 2,4,6-Tribromophenol	330	12.699	12.699	0.000	94	209198	7.50	7.93	
114 Sulfotepp	97	12.804	12.804	0.000	81	98076	3.75	3.85	
115 cis-Diallate	86	12.944	12.944	0.000	91	188799	2.78	2.88	
116 Phorate	75	12.950	12.956	-0.006	94	347874	3.75	3.90	
117 Phenacetin	108	12.962	12.967	-0.005	95	295340	3.75	3.99	
118 4-Bromophenyl phenyl ether	248	13.026	13.026	0.000	65	181830	3.75	3.99	
119 trans-Diallate	86	13.049	13.049	0.000	85	65624	0.9750	1.00	
120 Hexachlorobenzene	284	13.078	13.078	0.000	95	208029	3.75	3.97	
121 Dimethoate	87	13.142	13.148	-0.006	94	235079	3.75	3.86	
122 Atrazine	200	13.247	13.253	-0.006	92	184873	3.75	4.00	
123 Pentachlorophenol	266	13.329	13.329	0.000	92	129602	3.75	3.70	
125 4-Aminobiphenyl	169	13.341	13.346	-0.005	90	402456	3.75	3.95	
124 Pentachloronitrobenzene	237	13.346	13.346	0.000	52	79824	3.75	3.87	
126 Pronamide	173	13.440	13.445	-0.005	90	291810	3.75	4.00	
* 127 Phenanthrene-d10	188	13.568	13.568	0.000	98	1004886	5.00	5.00	
128 Dinoseb	211	13.580	13.585	-0.005	97	146374	3.75	3.40	
129 Phenanthrene	178	13.597	13.597	0.000	97	938688	3.75	4.02	
130 Anthracene	178	13.661	13.667	-0.006	97	949507	3.75	4.04	
131 Carbazole	167	13.877	13.883	-0.006	95	887903	3.75	4.00	
132 Methyl parathion	109	14.081	14.087	-0.006	94	191852	3.75	3.74	
133 Di-n-butyl phthalate	149	14.396	14.395	0.001	99	1106550	3.75	3.82	
134 Ethyl Parathion	109	14.629	14.634	-0.005	85	121021	3.75	3.78	
135 4-Nitroquinoline-1-oxide	190	14.635	14.640	-0.005	89	87676	3.75	3.04	
136 Octachlorostyrene	308	14.984	14.984	0.000	94	87851	3.75	3.87	
137 Isodrin	193	15.031	15.031	0.000	94	111113	3.75	3.86	
138 Fluoranthene	202	15.247	15.252	-0.005	97	1079081	3.75	3.99	
139 Benzidine	184	15.474	15.480	-0.006	99	2147072	11.3	11.7	
* 140 Pyrene-d10 (IS)	212	15.561	15.561	0.000	99	1023130	5.00	5.00	
141 Pyrene	202	15.590	15.590	0.000	98	1122397	3.75	3.97	
$ 142 p-Terphenyl-d14	244	15.876	15.876	0.000	98	1647490	7.50	8.03	
143 p-Dimethylamino azobenzene	225	16.103	16.109	-0.006	95	187711	3.75	3.99	
144 Chlorobenzilate	139	16.197	16.202	-0.005	91	316517	3.75	3.86	
145 3,3'-Dimethylbenzidine	212	16.663	16.669	-0.006	99	697020	3.75	3.79	
146 Butyl benzyl phthalate	149	16.727	16.733	-0.006	97	495643	3.75	3.87	
147 2-Acetylaminofluorene	181	17.077	17.082	-0.005	94	380817	3.75	3.63	
149 3,3'-Dichlorobenzidine	252	17.590	17.590	0.000	73	372089	3.75	3.73	
148 Benzo[a]anthracene	228	17.595	17.601	-0.006	99	981164	3.75	4.07	
150 4,4'-Methylene bis(2-chloroani	231	17.607	17.613	-0.006	95	184428	3.75	3.60	
151 Chrysene	228	17.660	17.665	-0.005	97	992152	3.75	4.07	
152 Bis(2-ethylhexyl) phthalate	149	17.799	17.799	0.000	97	695534	3.75	3.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	18.458	18.464	-0.006	99	696984	3.75	3.80	
154 Di-n-octyl phthalate	149	18.954	18.959	-0.005	99	1201269	3.75	3.71	
155 Benzo[b]fluoranthene	252	19.449	19.449	0.000	98	1038973	3.75	3.91	
156 7,12-Dimethylbenz(a)anthracene	256	19.455	19.461	-0.006	92	470004	3.75	3.89	
157 Benzo[k]fluoranthene	252	19.496	19.501	-0.005	99	1006853	3.75	3.94	
158 Benzo[a]pyrene	252	19.974	19.973	0.001	78	941089	3.75	3.86	
* 159 Perylene-d12	264	20.061	20.067	-0.006	98	1070997	5.00	5.00	
160 3-Methylcholanthrene	268	20.545	20.551	-0.005	92	477557	3.75	3.80	
161 Dibenz[a,h]acridine	279	21.349	21.355	-0.006	91	750851	3.75	3.70	
162 Dibenz[a,j]acridine	279	21.419	21.425	-0.006	96	787271	3.75	3.71	
163 Indeno[1,2,3-cd]pyrene	276	21.664	21.670	-0.006	99	882068	3.75	3.73	
164 Dibenz(a,h)anthracene	278	21.705	21.710	-0.005	92	945322	3.75	3.83	
165 Benzo[g,h,i]perylene	276	22.054	22.060	-0.006	98	950960	3.75	3.79	
S 166 Isosafrole	162				0		3.75	3.89	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_4_00007 Amount Added: 1.00 Units: mL

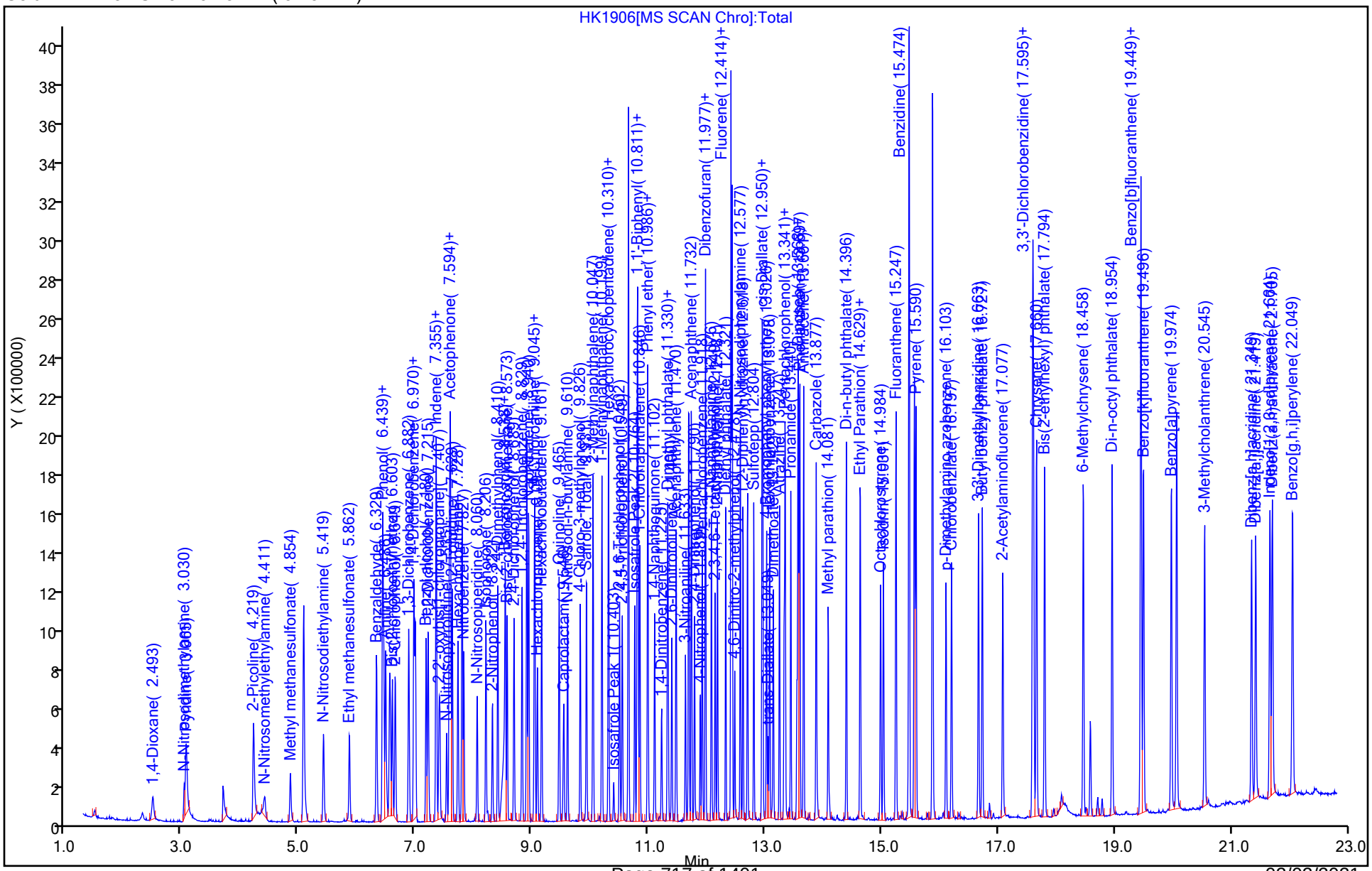
Report Date: 25-Nov-2020 09:32:03 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1906.D

Injection Date:	25-Nov-2020 01:23:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	IC L4			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

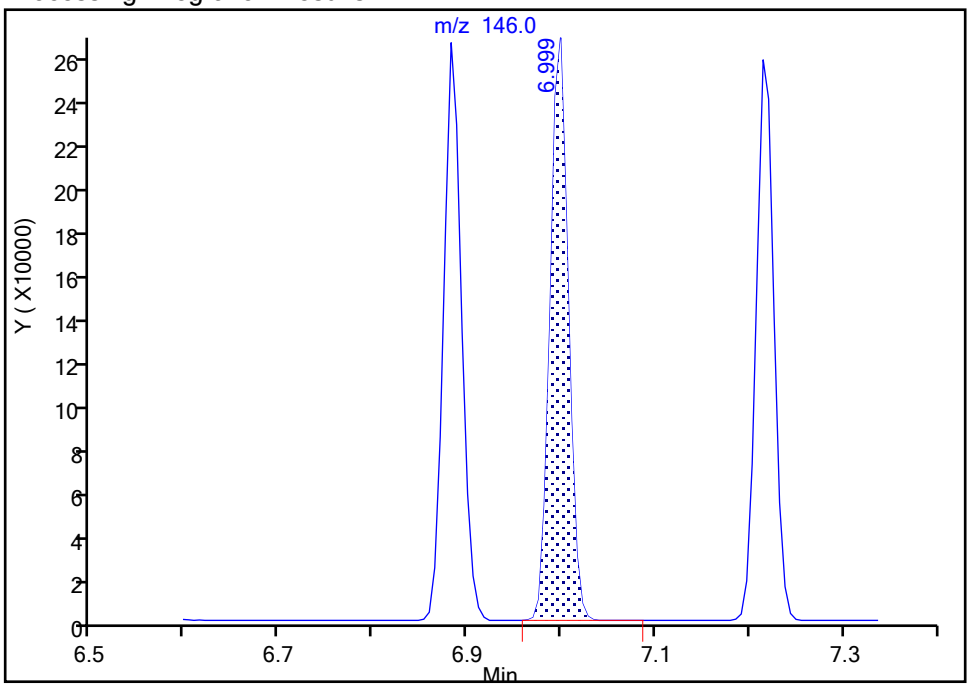
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Lims ID:	IC L4				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

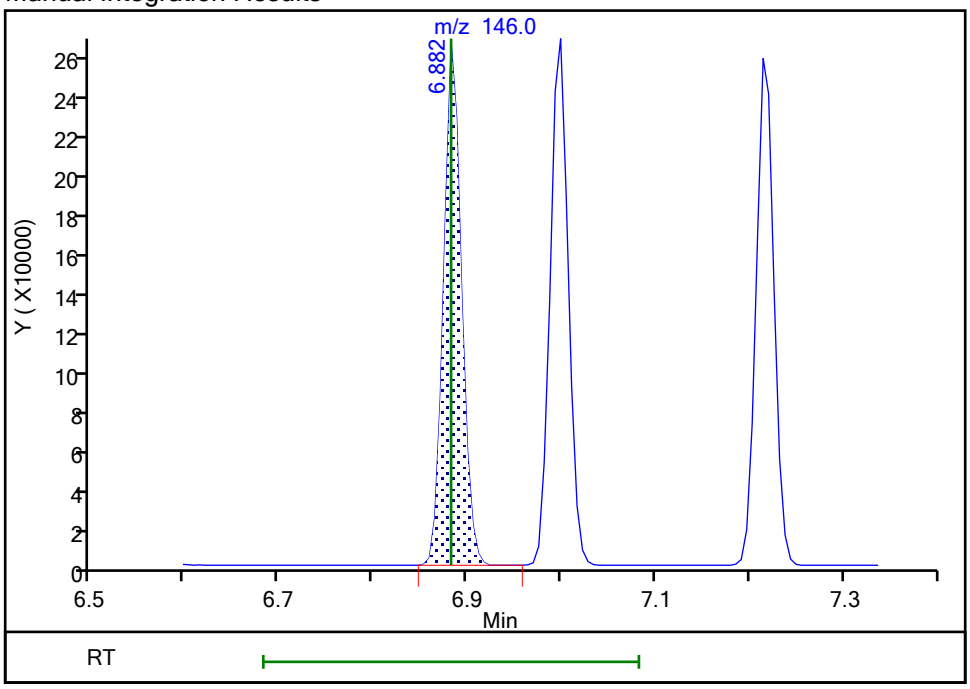
Processing Integration Results

RT: 7.00
Area: 362480
Amount: 3.931465
Amount Units: ug/ml



Manual Integration Results

RT: 6.88
Area: 355249
Amount: 3.867248
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:58:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

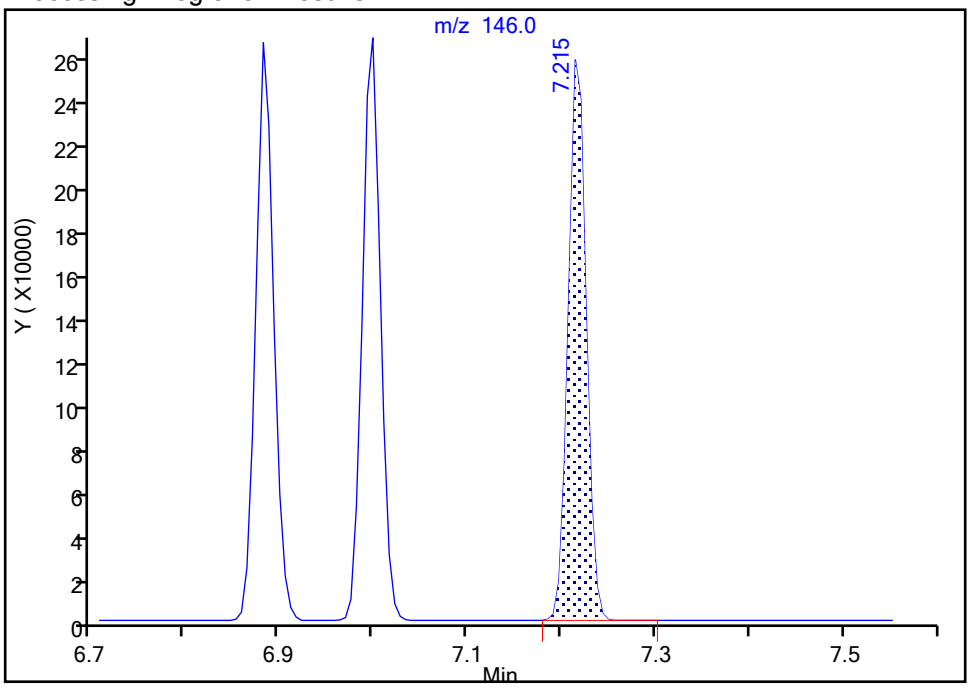
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Lims ID:	IC L4				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

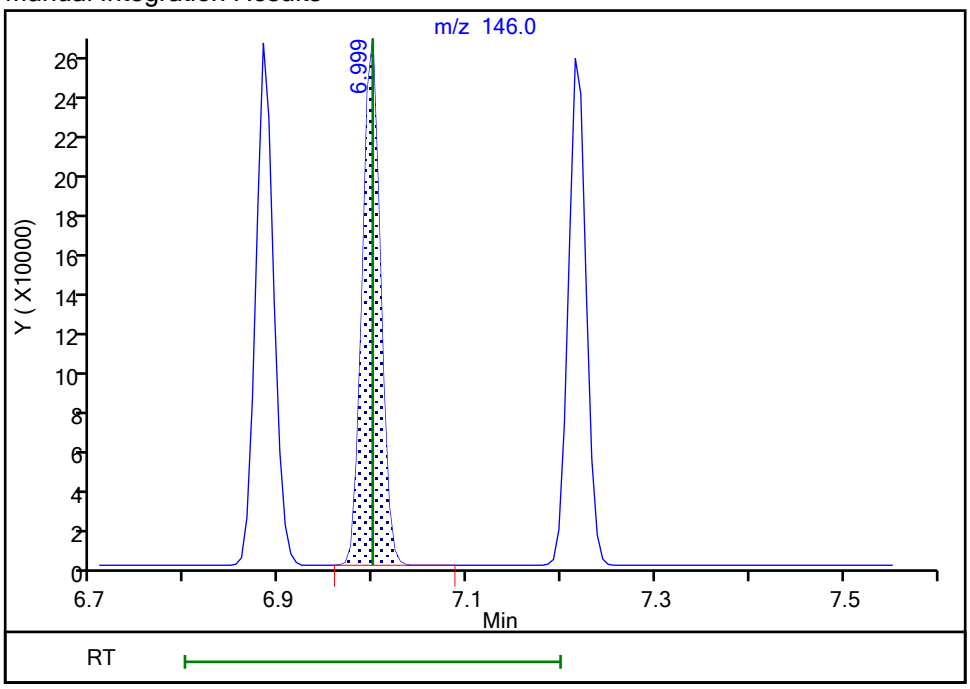
Processing Integration Results

RT: 7.21
Area: 343134
Amount: 3.774086
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 362480
Amount: 3.908050
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:26:42

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

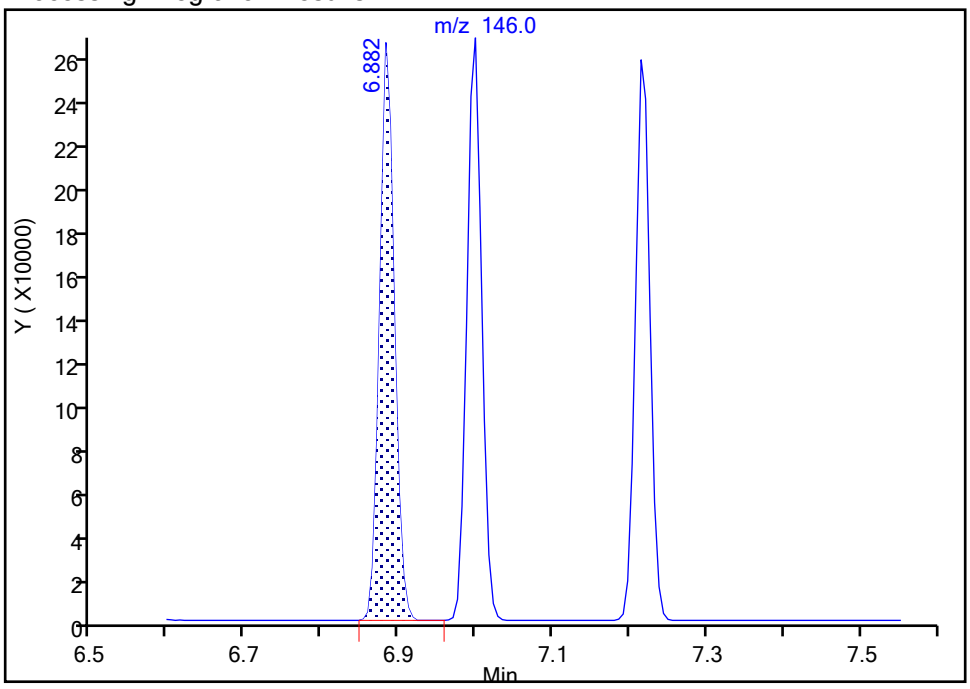
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Injection Date:	25-Nov-2020 01:23:30	Instrument ID:	HP18831		
Lims ID:	IC L4				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

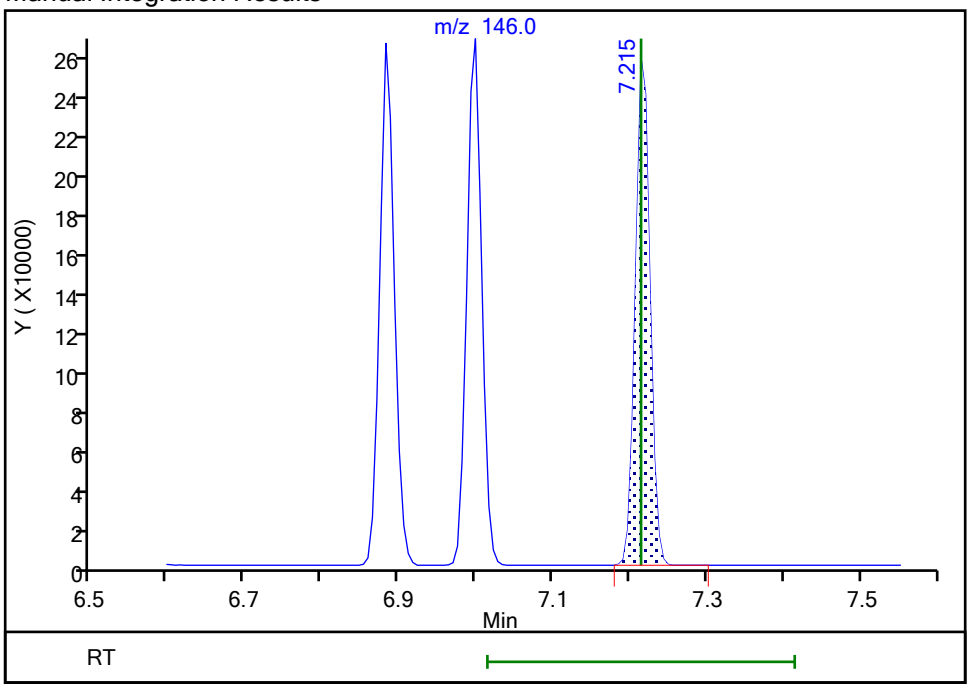
Processing Integration Results

RT: 6.88
Area: 355249
Amount: 3.844131
Amount Units: ug/ml



Manual Integration Results

RT: 7.21
Area: 343134
Amount: 3.902062
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:26:47

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

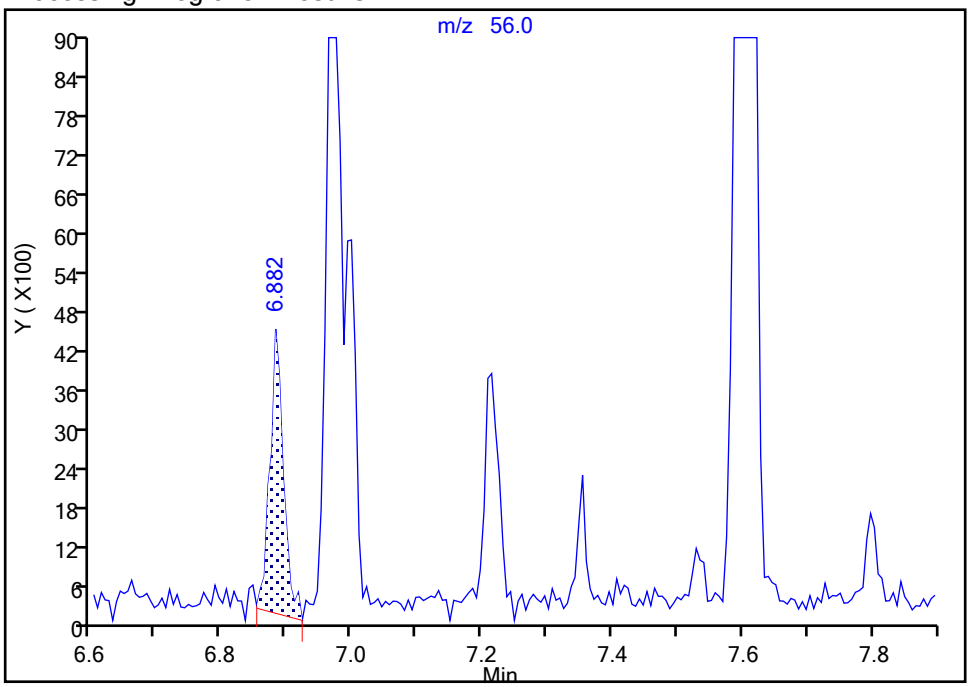
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Injection Date:	25-Nov-2020 01:23:30	Instrument ID:	HP18831
Lims ID:	IC L4		
Client ID:			
Operator ID:	sw30417	ALS Bottle#:	7 Worklist Smp#: 7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

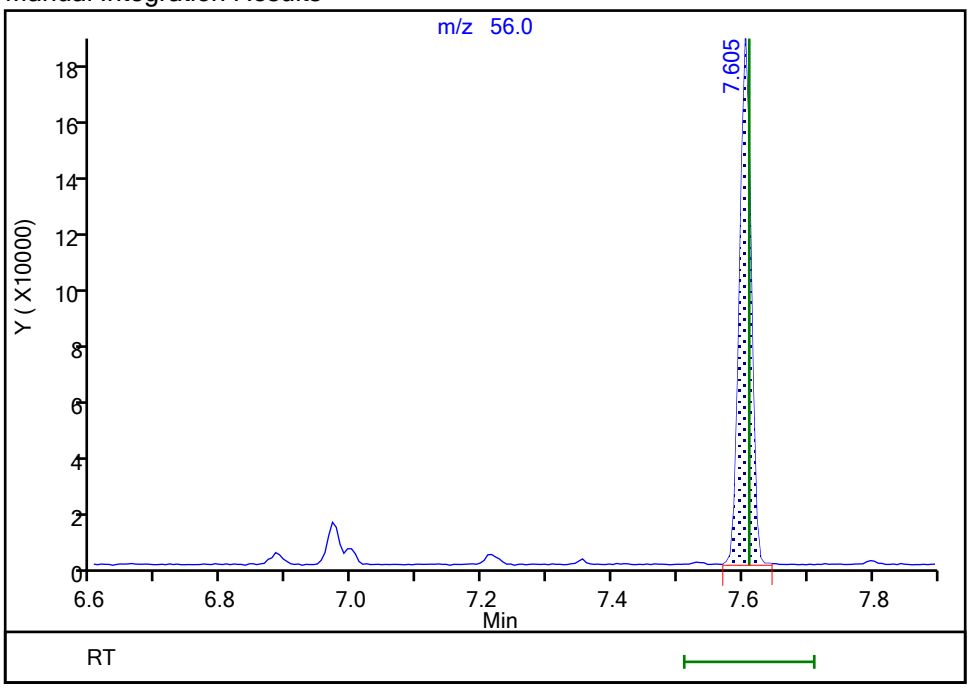
Processing Integration Results

RT: 6.88
Area: 6211
Amount: 0.162664
Amount Units: ug/ml



Manual Integration Results

RT: 7.61
Area: 228535
Amount: 3.970218
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:27:03

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1907.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Nov-2020 01:51:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0016459-008
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub4

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:32:11 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:29:17

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	2.493	2.482	0.011	95	35365	1.25	1.20	
	2 N-Nitrosodimethylamine	74	3.035	3.024	0.011	92	57174	1.25	1.26	
	3 Pyridine	79	3.076	3.059	0.017	85	102526	1.25	1.26	
	5 2-Picoline	93	4.225	4.219	0.006	90	102747	1.25	1.21	
	6 N-Nitrosomethylethylamine	88	4.411	4.411	0.000	95	43225	1.25	1.24	
	9 Methyl methanesulfonate	80	4.854	4.854	0.000	86	43513	1.25	1.28	
$	10 2-Fluorophenol	112	5.081	5.081	0.000	94	183179	2.50	2.48	
	11 N-Nitrosodiethylamine	102	5.419	5.419	0.000	90	44402	1.25	1.25	
	13 Ethyl methanesulfonate	109	5.862	5.868	-0.006	98	48037	1.25	1.23	
	15 Benzaldehyde	77	6.329	6.329	0.000	92	77455	1.25	1.28	
$	16 Phenol-d5	99	6.434	6.439	-0.005	97	216395	2.50	2.49	
	17 Phenol	94	6.451	6.457	-0.006	91	129288	1.25	1.28	
	18 Aniline	93	6.486	6.486	0.000	96	148765	1.25	1.25	
	19 Bis(2-chloroethyl)ether	93	6.603	6.603	0.000	95	102586	1.25	1.33	
	20 2-Chlorophenol	128	6.649	6.655	-0.006	95	99469	1.25	1.25	
	22 1,3-Dichlorobenzene	146	6.882	6.882	0.000	98	114373	1.25	1.28	a
*	23 1,4-Dichlorobenzene-d4	152	6.970	6.976	-0.006	95	284124	5.00	5.00	
	24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	97	113979	1.25	1.26	a
	26 Benzyl alcohol	108	7.180	7.185	-0.005	93	56885	1.25	1.15	
	27 1,2-Dichlorobenzene	146	7.215	7.215	0.000	97	109478	1.25	1.28	a
	28 Indene	115	7.355	7.354	0.001	89	134959	1.25	1.22	
	30 2-Methylphenol	108	7.355	7.360	-0.005	93	86643	1.25	1.25	
	32 2,2'-oxybis[1-chloropropane]	45	7.413	7.413	0.000	93	173274	1.25	1.27	
	33 N-Nitrosopyrrolidine	100	7.529	7.541	-0.012	83	44508	1.25	1.20	
	34 Acetophenone	105	7.576	7.582	-0.006	95	129194	1.25	1.18	
	36 4-Methylphenol	108	7.593	7.599	-0.006	95	97778	1.25	1.34	
	35 N-Nitrosodi-n-propylamine	70	7.593	7.605	-0.012	91	69534	1.25	1.28	
	37 N-Nitrosomorpholine	56	7.605	7.611	-0.006	92	71822	1.25	1.28	a
	38 2-Toluidine	106	7.628	7.634	-0.006	94	152666	1.25	1.28	
	40 Hexachloroethane	117	7.728	7.728	0.000	94	45736	1.25	1.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	7.797	7.803	-0.006	91	196538	2.50	2.49	
42 Nitrobenzene	77	7.827	7.832	-0.005	91	101856	1.25	1.27	
43 N-Nitrosopiperidine	114	8.060	8.060	0.000	79	45715	1.25	1.20	
45 Isophorone	82	8.205	8.211	-0.006	96	165180	1.25	1.21	
46 2-Nitrophenol	139	8.316	8.322	-0.006	89	50302	1.25	1.21	
48 2,4-Dimethylphenol	107	8.410	8.415	-0.005	93	91950	1.25	1.23	
50 Benzoic acid	105	8.491	8.538	-0.047	90	99484	3.75	4.06	
49 o,o',o''-Triethylphosphorothioat	198	8.544	8.544	0.000	83	48204	1.25	1.19	
51 Bis(2-chloroethoxy)methane	93	8.573	8.573	0.000	97	115285	1.25	1.25	
52 2,4-Dichlorophenol	162	8.689	8.695	-0.006	92	81250	1.25	1.22	
53 1,2,4-Trichlorobenzene	180	8.829	8.829	0.000	94	90737	1.25	1.26	
* 54 Naphthalene-d8	136	8.911	8.911	0.000	99	1066508	5.00	5.00	
55 Naphthalene	128	8.940	8.946	-0.006	97	292631	1.25	1.25	
57 4-Chloroaniline	127	9.039	9.039	0.000	94	109152	1.25	1.23	
S 56 Dinitrotoluene	165				0		2.50	2.33	
58 2,6-Dichlorophenol	162	9.045	9.051	-0.006	94	78433	1.25	1.24	
59 Hexachloropropene	213	9.091	9.091	0.000	88	50683	1.25	1.19	
60 Hexachlorobutadiene	225	9.161	9.167	-0.006	96	54085	1.25	1.26	
62 Quinoline	129	9.464	9.464	0.000	97	174973	1.25	1.21	
63 Caprolactam	113	9.529	9.558	-0.029	75	24650	1.25	1.05	
64 N-Nitrosodi-n-butylamine	84	9.610	9.610	0.000	90	57625	1.25	1.08	
S 65 Diallate	86				0		1.25	1.18	
66 4-Chloro-3-methylphenol	107	9.826	9.832	-0.006	96	74030	1.25	1.17	
67 Safrole, Total	162	9.931	9.937	-0.006	91	72275	1.25	1.20	
68 2-Methylnaphthalene	142	10.047	10.047	0.000	92	189626	1.25	1.23	
69 1-Methylnaphthalene	142	10.199	10.199	0.000	93	181837	1.25	1.25	
71 Hexachlorocyclopentadiene	237	10.310	10.310	0.000	95	51134	1.25	1.20	
72 1,2,4,5-Tetrachlorobenzene	216	10.310	10.315	-0.005	97	86596	1.25	1.23	
73 Isosafrole Peak 1	162	10.403	10.403	0.000	91	12830	0.2000	0.1916	
74 2,4,6-Trichlorophenol	196	10.502	10.508	-0.006	92	54032	1.25	1.16	
75 2,4,5-Trichlorophenol	196	10.543	10.549	-0.006	95	60055	1.25	1.20	
$ 76 2-Fluorobiphenyl (Surr)	172	10.654	10.659	-0.005	100	430839	2.50	2.50	
77 Isosafrole Peak 2	162	10.764	10.764	0.000	94	72135	1.05	1.01	
78 1,1'-Biphenyl	154	10.805	10.811	-0.006	96	230733	1.25	1.17	
79 2-Chloronaphthalene	162	10.817	10.817	0.000	98	188305	1.25	1.29	
80 1-Chloronaphthalene	162	10.846	10.852	-0.006	98	162504	1.25	1.22	
81 Phenyl ether	170	10.986	10.986	0.000	85	126993	1.25	1.25	
82 2-Nitroaniline	138	10.986	10.992	-0.006	71	55394	1.25	1.18	
84 1,4-Naphthoquinone	158	11.102	11.108	-0.006	91	68848	1.25	1.13	
85 1,4-Dinitrobenzene	168	11.225	11.225	0.000	96	28409	1.25	1.13	
86 Dimethyl phthalate	163	11.324	11.330	-0.006	98	201248	1.25	1.24	
87 1,3-Dinitrobenzene	168	11.335	11.341	-0.006	82	31358	1.25	1.13	
88 2,6-Dinitrotoluene	165	11.394	11.400	-0.006	93	44019	1.25	1.19	
89 Acenaphthylene	152	11.470	11.475	-0.005	98	246597	1.25	1.22	
90 3-Nitroaniline	138	11.633	11.639	-0.006	89	46063	1.25	1.19	
* 91 Acenaphthene-d10	164	11.685	11.691	-0.006	97	521961	5.00	5.00	
93 Acenaphthene	153	11.732	11.738	-0.006	94	189145	1.25	1.26	
94 2,4-Dinitrophenol	184	11.784	11.790	-0.006	86	64282	3.75	2.70	
95 4-Nitrophenol	109	11.883	11.889	-0.006	82	44910	2.50	1.93	
96 Pentachlorobenzene	250	11.918	11.924	-0.006	98	78797	1.25	1.25	
97 Dibenzofuran	168	11.977	11.977	0.000	97	258179	1.25	1.25	
98 2,4-Dinitrotoluene	165	11.971	11.977	-0.006	87	56528	1.25	1.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	12.076	12.081	-0.005	98	181039	1.25	1.22	
101 2,3,4,6-Tetrachlorophenol	232	12.140	12.146	-0.006	73	44194	1.25	1.17	
103 2-Naphthylamine	143	12.181	12.186	-0.005	97	181750	1.25	1.27	
104 Diethyl phthalate	149	12.321	12.326	-0.005	98	192431	1.25	1.19	
105 Fluorene	166	12.414	12.414	0.000	94	206211	1.25	1.26	
106 Thionazin	107	12.414	12.420	-0.006	79	33598	1.25	1.20	
107 N-Nitro-o-toluidine	152	12.431	12.437	-0.006	90	53943	1.25	1.21	
108 4-Chlorophenyl phenyl ether	204	12.437	12.437	0.000	92	100319	1.25	1.27	
109 4-Nitroaniline	138	12.431	12.437	-0.006	83	51982	1.25	1.26	
110 4,6-Dinitro-2-methylphenol	198	12.478	12.484	-0.006	83	59789	2.50	2.00	
111 N-Nitrosodiphenylamine	169	12.571	12.577	-0.006	63	164419	1.25	1.23	
112 1,2-Diphenylhydrazine	77	12.618	12.624	-0.006	41	185434	1.25	1.24	
$ 113 2,4,6-Tribromophenol	330	12.699	12.699	0.000	94	61840	2.50	2.37	
114 Sulfotepp	97	12.804	12.804	0.000	85	29631	1.25	1.16	
115 cis-Diallate	86	12.944	12.944	0.000	93	56912	0.9250	0.8682	
116 Phorate	75	12.950	12.956	-0.006	95	103546	1.25	1.16	
117 Phenacetin	108	12.956	12.967	-0.011	95	82982	1.25	1.12	
118 4-Bromophenyl phenyl ether	248	13.026	13.026	0.000	65	57362	1.25	1.26	
119 trans-Diallate	86	13.049	13.049	0.000	86	20691	0.3250	0.3158	
120 Hexachlorobenzene	284	13.078	13.078	0.000	95	66144	1.25	1.26	
121 Dimethoate	87	13.137	13.148	-0.011	96	66420	1.25	1.09	
122 Atrazine	200	13.241	13.253	-0.012	92	52788	1.25	1.14	
123 Pentachlorophenol	266	13.323	13.329	-0.006	93	37756	1.25	1.08	
125 4-Aminobiphenyl	169	13.341	13.346	-0.005	90	122157	1.25	1.20	
124 Pentachloronitrobenzene	237	13.346	13.346	0.000	52	23621	1.25	1.15	
126 Pronamide	173	13.440	13.445	-0.005	89	81990	1.25	1.13	
* 127 Phenanthrene-d10	188	13.568	13.568	0.000	98	1003544	5.00	5.00	
128 Dinoseb	211	13.580	13.585	-0.005	95	36158	1.25	0.8403	
129 Phenanthrene	178	13.597	13.597	0.000	97	291029	1.25	1.25	
130 Anthracene	178	13.661	13.667	-0.006	97	291681	1.25	1.24	
131 Carbazole	167	13.877	13.883	-0.006	96	265327	1.25	1.20	
132 Methyl parathion	109	14.081	14.087	-0.006	95	51369	1.25	1.00	
133 Di-n-butyl phthalate	149	14.396	14.395	0.001	99	329140	1.25	1.14	
134 Ethyl Parathion	109	14.629	14.634	-0.005	85	30778	1.25	0.9633	
135 4-Nitroquinoline-1-oxide	190	14.634	14.640	-0.006	79	19859	1.25	0.6892	
136 Octachlorostyrene	308	14.984	14.984	0.000	94	26877	1.25	1.19	
137 Isodrin	193	15.031	15.031	0.000	94	34759	1.25	1.21	
138 Fluoranthene	202	15.246	15.252	-0.006	97	329985	1.25	1.22	
139 Benzidine	184	15.468	15.480	-0.012	99	628346	3.75	3.42	
* 140 Pyrene-d10 (IS)	212	15.561	15.561	0.000	99	1019573	5.00	5.00	
141 Pyrene	202	15.585	15.590	-0.005	98	350002	1.25	1.24	
$ 142 p-Terphenyl-d14	244	15.870	15.876	-0.006	98	507647	2.50	2.48	
143 p-Dimethylamino azobenzene	225	16.103	16.109	-0.006	95	49903	1.25	1.06	
144 Chlorobenzilate	139	16.197	16.202	-0.005	90	89400	1.25	1.09	
145 3,3'-Dimethylbenzidine	212	16.663	16.669	-0.006	99	189352	1.25	1.03	
146 Butyl benzyl phthalate	149	16.727	16.733	-0.006	97	140699	1.25	1.10	
147 2-Acetylaminofluorene	181	17.077	17.082	-0.005	95	94855	1.25	0.9077	
149 3,3'-Dichlorobenzidine	252	17.590	17.590	0.000	73	101654	1.25	1.02	
148 Benzo[a]anthracene	228	17.595	17.601	-0.006	98	287815	1.25	1.20	
150 4,4'-Methylene bis(2-chloroani	231	17.607	17.613	-0.006	95	49073	1.25	0.9607	
151 Chrysene	228	17.660	17.665	-0.005	97	304729	1.25	1.26	
152 Bis(2-ethylhexyl) phthalate	149	17.794	17.799	-0.005	98	189928	1.25	1.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	18.458	18.464	-0.006	99	205719	1.25	1.13	
154 Di-n-octyl phthalate	149	18.954	18.959	-0.005	99	310209	1.25	1.02	
155 Benzo[b]fluoranthene	252	19.443	19.449	-0.006	98	299958	1.25	1.20	
156 7,12-Dimethylbenz(a)anthracene	256	19.449	19.461	-0.012	92	134220	1.25	1.18	
157 Benzo[k]fluoranthene	252	19.490	19.501	-0.011	99	304431	1.25	1.27	
158 Benzo[a]pyrene	252	19.968	19.973	-0.005	77	271438	1.25	1.18	
* 159 Perylene-d12	264	20.061	20.067	-0.006	98	1007059	5.00	5.00	
160 3-Methylcholanthrene	268	20.539	20.551	-0.011	92	132220	1.25	1.12	
161 Dibenz[a,h]acridine	279	21.349	21.355	-0.006	91	206966	1.25	1.09	
162 Dibenz[a,j]acridine	279	21.419	21.425	-0.006	96	228238	1.25	1.14	
163 Indeno[1,2,3-cd]pyrene	276	21.658	21.670	-0.012	99	252975	1.25	1.14	M
164 Dibenz(a,h)anthracene	278	21.705	21.710	-0.005	93	269452	1.25	1.16	
165 Benzo[g,h,i]perylene	276	22.049	22.060	-0.012	98	274937	1.25	1.17	
S 166 Isosafrole	162				0		1.25	1.20	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_3_00007 Amount Added: 1.00 Units: mL

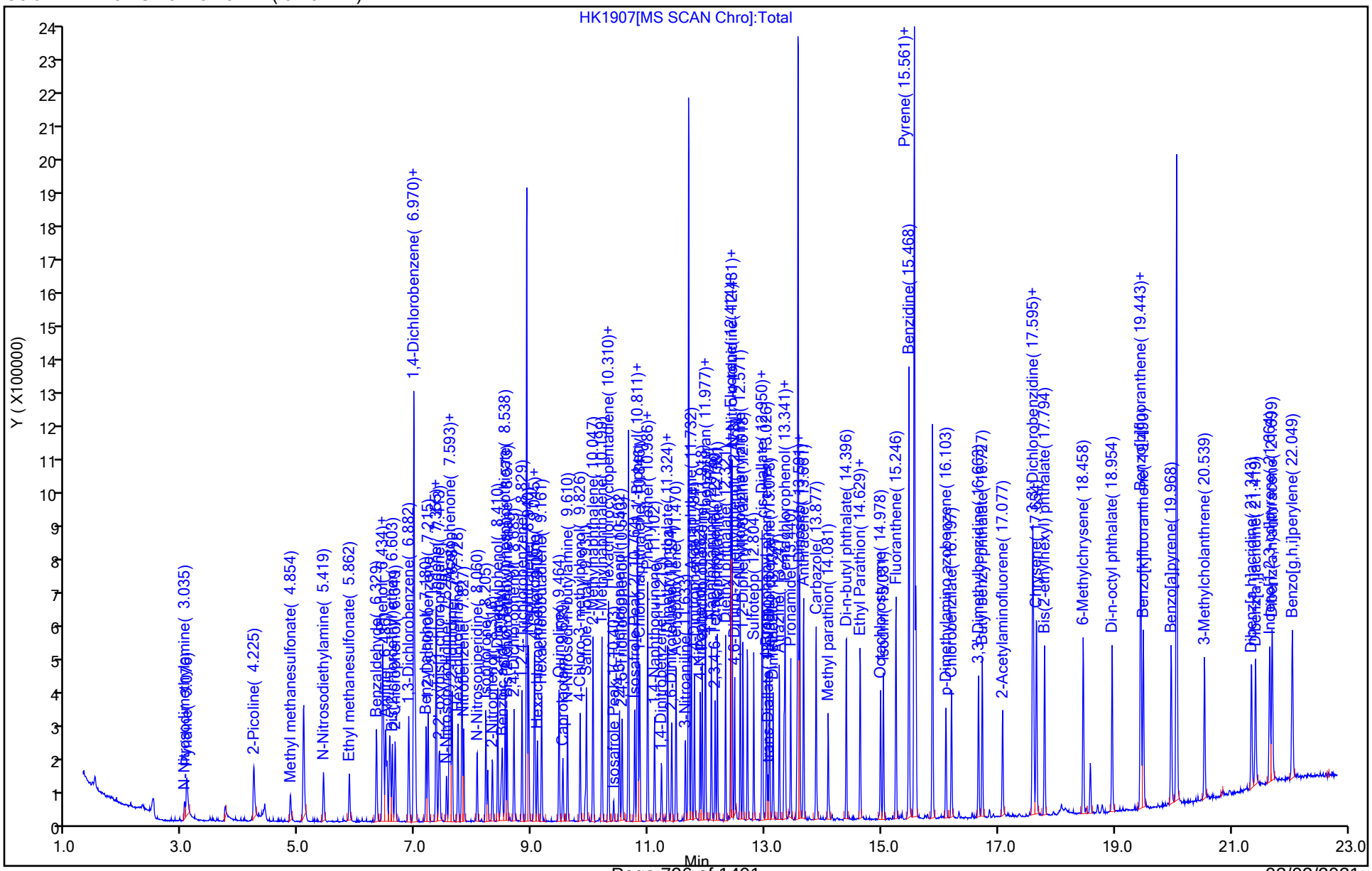
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	25-Nov-2020 01:51:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	IC L3			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

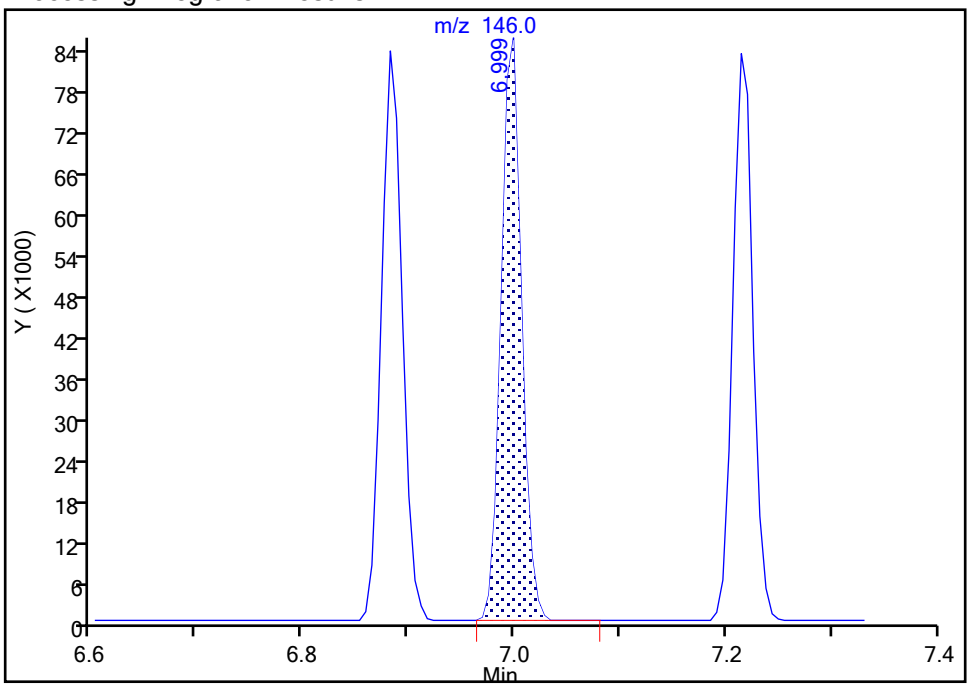
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Lims ID:	IC L3				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

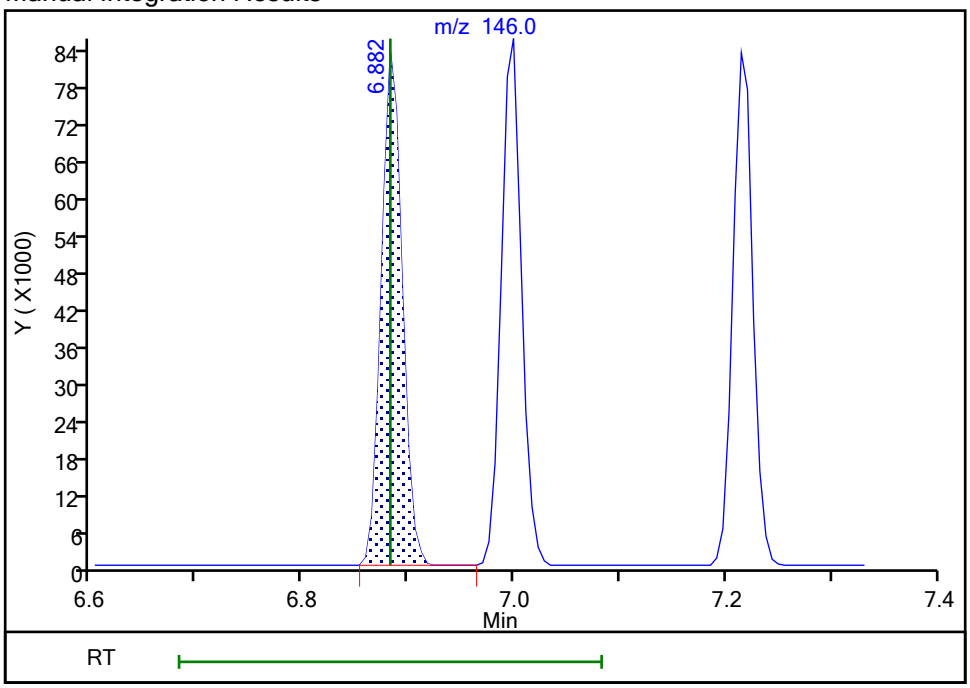
Processing Integration Results

RT: 7.00
Area: 113979
Amount: 1.270432
Amount Units: ug/ml



Manual Integration Results

RT: 6.88
Area: 114373
Amount: 1.275702
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:58:36

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

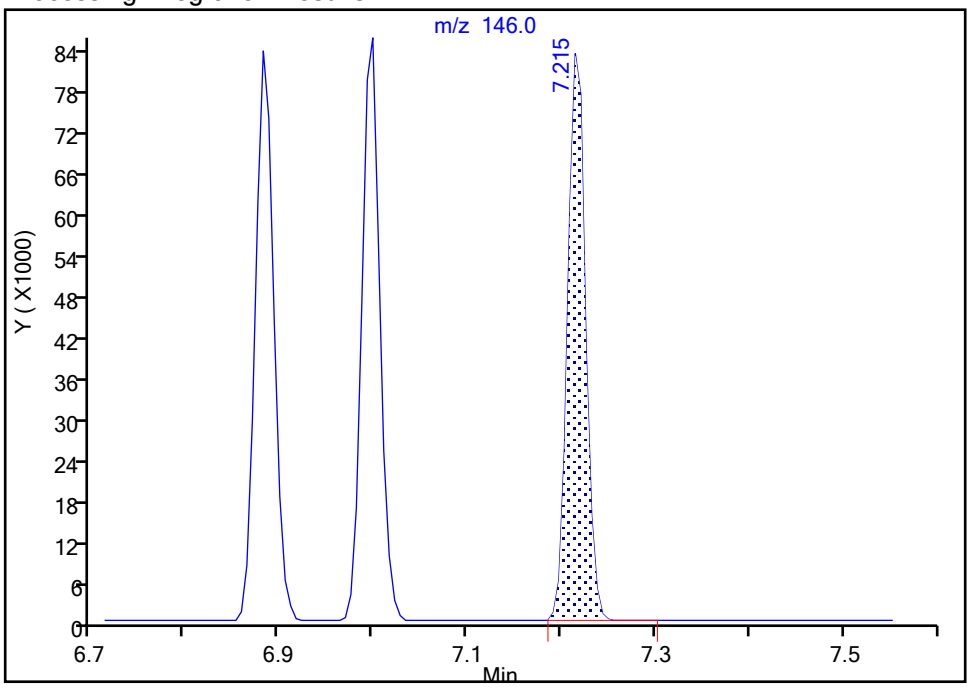
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Client ID:					
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

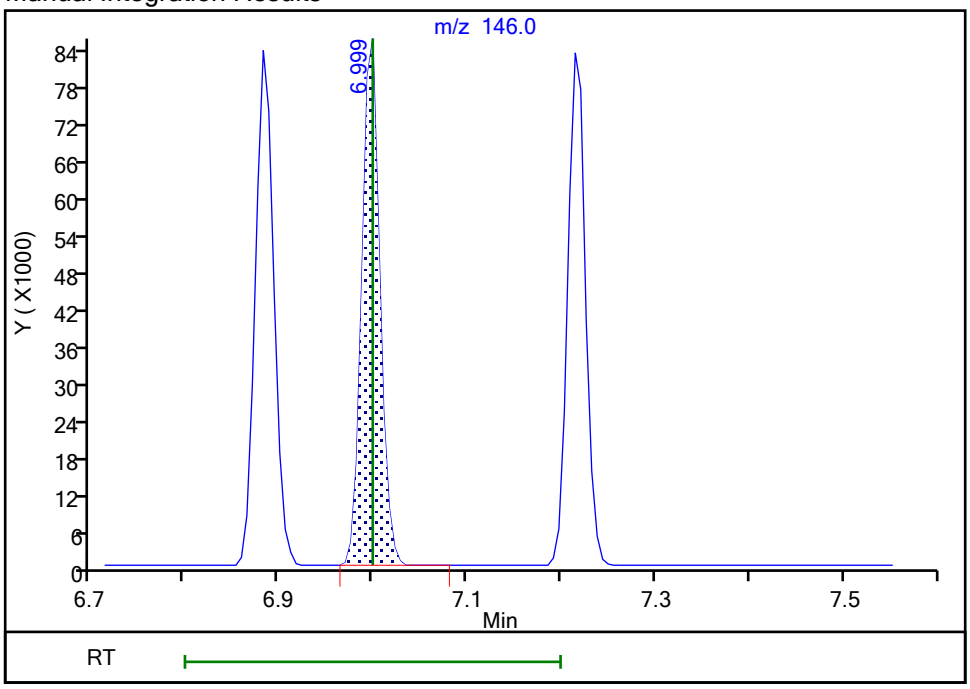
Processing Integration Results

RT: 7.21
Area: 109478
Amount: 1.223842
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 113979
Amount: 1.259092
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:27:13

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

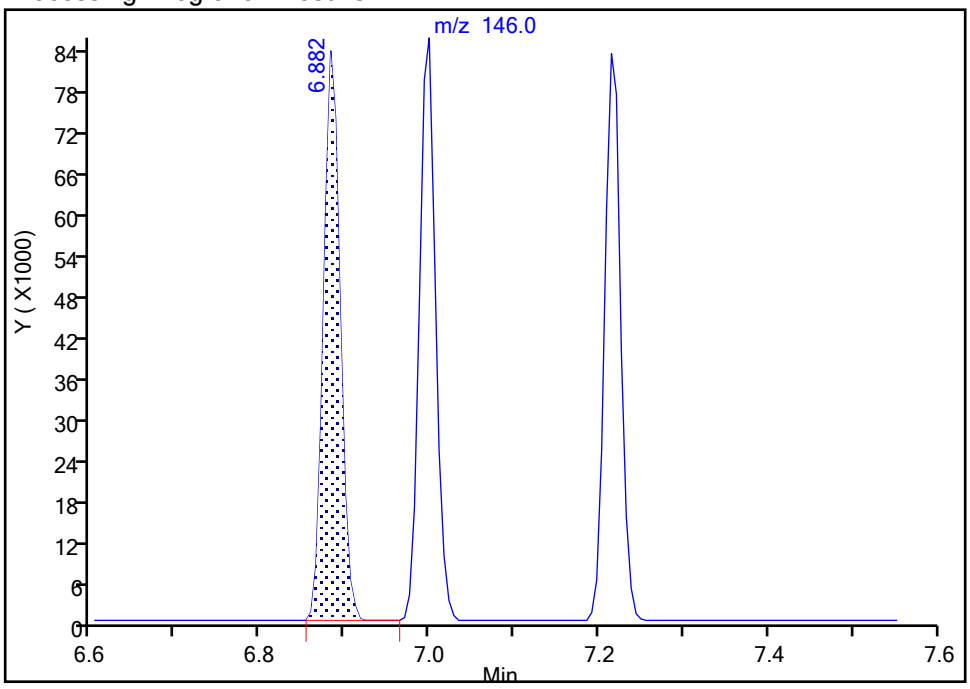
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Lims ID:	IC L3				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

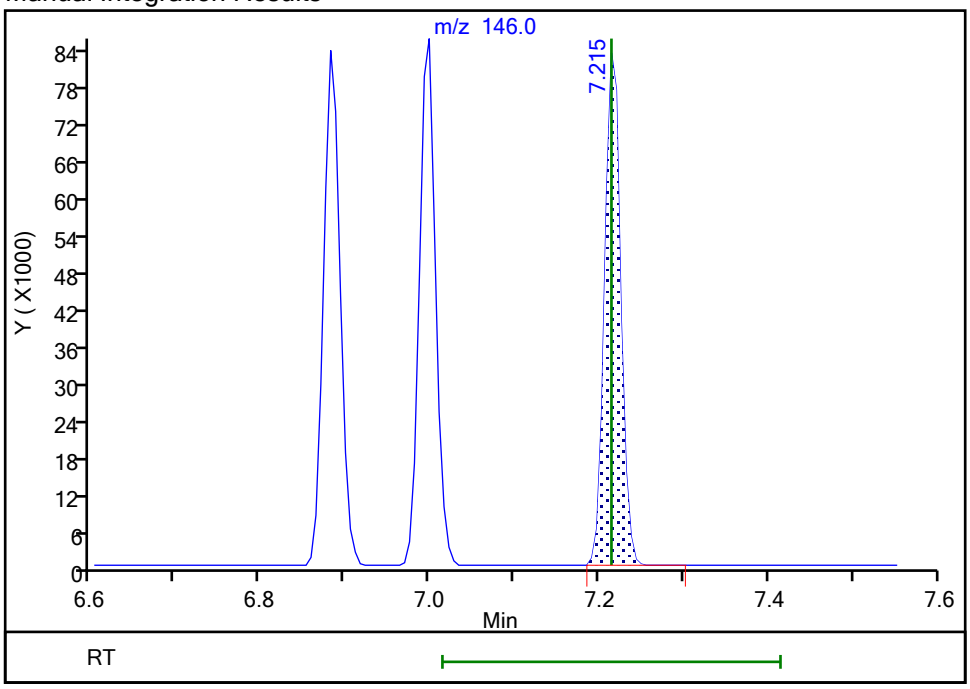
Processing Integration Results

RT: 6.88
Area: 114373
Amount: 1.264308
Amount Units: ug/ml



Manual Integration Results

RT: 7.21
Area: 109478
Amount: 1.275598
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:27:07

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

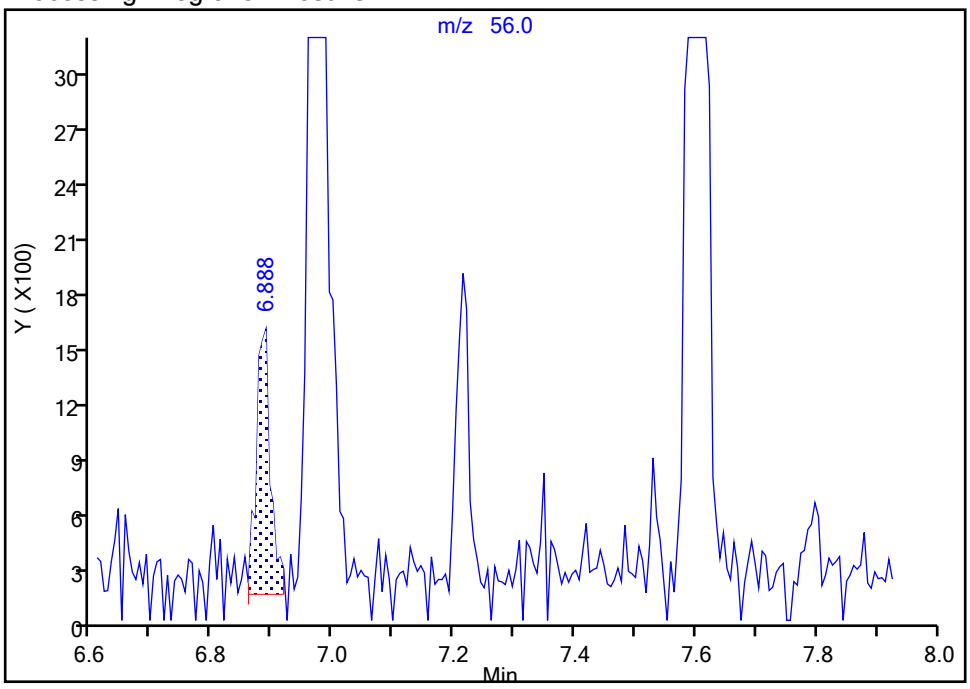
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Lims ID:	IC L3				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

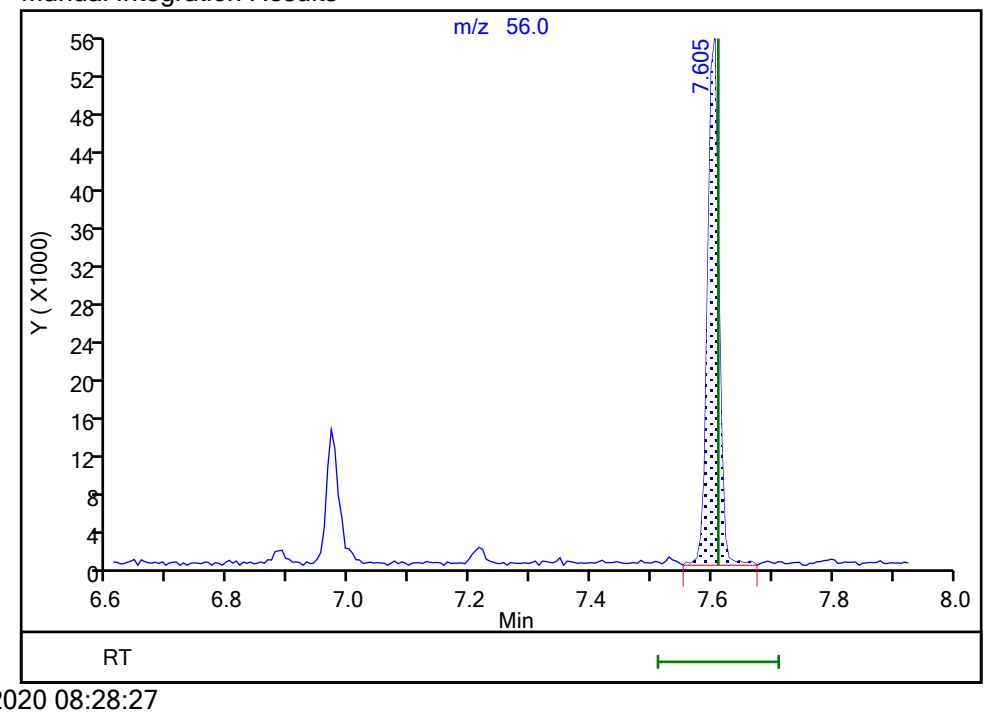
Processing Integration Results

RT: 6.89
Area: 2295
Amount: 0.820593
Amount Units: ug/ml



Manual Integration Results

RT: 7.61
Area: 71822
Amount: 1.278426
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:28:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

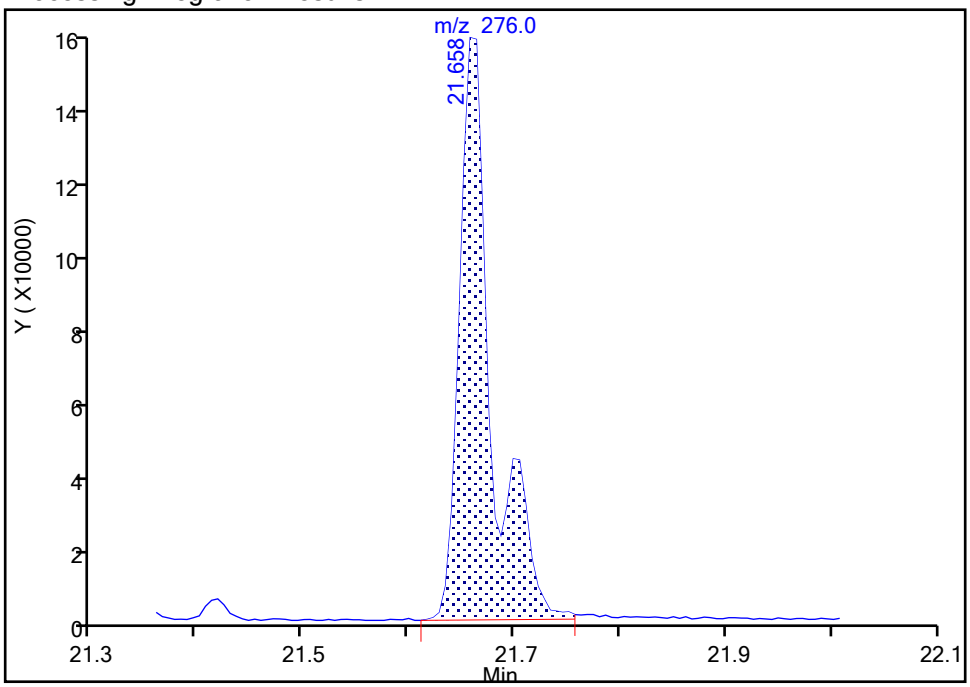
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Lims ID:	IC L3				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

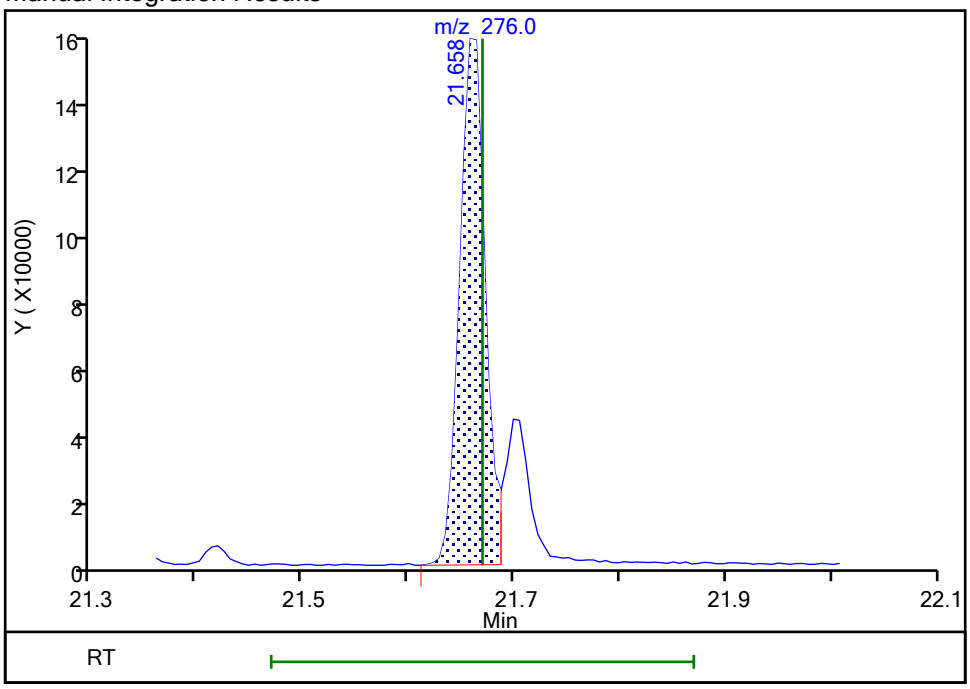
Processing Integration Results

RT: 21.66
Area: 319916
Amount: 1.359454
Amount Units: ug/ml



Manual Integration Results

RT: 21.66
Area: 252975
Amount: 1.136905
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:29:13

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Nov-2020 02:20:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0016459-009
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub4

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:32:23 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:31:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.493	2.482	0.011	70	6487	0.2500	0.2154	
2 N-Nitrosodimethylamine	74	3.047	3.024	0.023	67	10463	0.2500	0.2251	
3 Pyridine	79	3.088	3.059	0.029	78	18283	0.2500	0.2207	
5 2-Picoline	93	4.230	4.219	0.011	91	21259	0.2500	0.2453	
6 N-Nitrosomethylethylamine	88	4.411	4.411	0.000	95	9684	0.2500	0.2717	M
9 Methyl methanesulfonate	80	4.854	4.854	0.000	87	8827	0.2500	0.2545	
$ 10 2-Fluorophenol	112	5.081	5.081	0.000	93	36617	0.5000	0.4847	
11 N-Nitrosodiethylamine	102	5.419	5.419	0.000	89	7577	0.2500	0.2084	
13 Ethyl methanesulfonate	109	5.862	5.868	-0.006	99	10261	0.2500	0.2565	
15 Benzaldehyde	77	6.329	6.329	0.000	92	16339	0.2500	0.2650	
$ 16 Phenol-d5	99	6.433	6.439	-0.006	95	41838	0.5000	0.4715	
17 Phenol	94	6.451	6.457	-0.006	88	24312	0.2500	0.2351	
18 Aniline	93	6.486	6.486	0.000	96	29328	0.2500	0.2413	
19 Bis(2-chloroethyl)ether	93	6.602	6.603	-0.001	94	19236	0.2500	0.2435	
20 2-Chlorophenol	128	6.649	6.655	-0.006	94	18564	0.2500	0.2291	
22 1,3-Dichlorobenzene	146	6.882	6.882	0.000	97	21966	0.2500	0.2398	a
* 23 1,4-Dichlorobenzene-d4	152	6.970	6.976	-0.006	95	290266	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	92	22157	0.2500	0.2396	a
26 Benzyl alcohol	108	7.180	7.185	-0.005	94	12707	0.2500	0.2508	
27 1,2-Dichlorobenzene	146	7.214	7.215	-0.001	96	21163	0.2500	0.2414	a
28 Indene	115	7.349	7.354	-0.005	91	29423	0.2500	0.2597	
30 2-Methylphenol	108	7.354	7.360	-0.006	89	16272	0.2500	0.2302	
32 2,2'-oxybis[1-chloropropane]	45	7.407	7.413	-0.006	93	34333	0.2500	0.2457	
33 N-Nitrosopyrrolidine	100	7.529	7.541	-0.012	80	8366	0.2500	0.2200	
34 Acetophenone	105	7.576	7.582	-0.006	93	26991	0.2500	0.2414	
36 4-Methylphenol	108	7.588	7.599	-0.011	94	16732	0.2500	0.2236	
35 N-Nitrosodi-n-propylamine	70	7.593	7.605	-0.012	90	13774	0.2500	0.2488	
37 N-Nitrosomorpholine	56	7.599	7.611	-0.012	39	14791	0.2500	0.2577	a
38 2-Toluidine	106	7.628	7.634	-0.006	94	29217	0.2500	0.2402	
40 Hexachloroethane	117	7.727	7.728	-0.001	94	9441	0.2500	0.2576	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 41 Nitrobenzene-d5	82	7.797	7.803	-0.006	91	37678	0.5000	0.4688	
42 Nitrobenzene	77	7.826	7.832	-0.006	91	19456	0.2500	0.2378	
43 N-Nitrosopiperidine	114	8.054	8.060	-0.006	84	9103	0.2500	0.2351	
45 Isophorone	82	8.205	8.211	-0.006	96	32054	0.2500	0.2300	
46 2-Nitrophenol	139	8.316	8.322	-0.006	88	8996	0.2500	0.2119	
48 2,4-Dimethylphenol	107	8.409	8.415	-0.006	92	16562	0.2500	0.2175	
50 Benzoic acid	105	8.479	8.538	-0.059	89	60667	2.50	3.38	
49 o,o',o''-Triethylphosphorothioat	198	8.538	8.544	-0.006	87	9802	0.2500	0.2384	
51 Bis(2-chloroethoxy)methane	93	8.573	8.573	0.000	96	22733	0.2500	0.2421	
52 2,4-Dichlorophenol	162	8.689	8.695	-0.006	91	15762	0.2500	0.2319	
53 1,2,4-Trichlorobenzene	180	8.823	8.829	-0.006	95	16944	0.2500	0.2315	
* 54 Naphthalene-d8	136	8.911	8.911	0.000	100	1086262	5.00	5.00	
55 Naphthalene	128	8.940	8.946	-0.006	98	56570	0.2500	0.2373	
57 4-Chloroaniline	127	9.039	9.039	0.000	94	20490	0.2500	0.2261	
S 56 Dinitrotoluene	165				0		0.5000	0.4464	
58 2,6-Dichlorophenol	162	9.045	9.051	-0.006	95	14001	0.2500	0.2166	
59 Hexachloropropene	213	9.091	9.091	0.000	87	9664	0.2500	0.2228	
60 Hexachlorobutadiene	225	9.167	9.167	0.000	94	10787	0.2500	0.2470	
62 Quinoline	129	9.464	9.464	0.000	97	34080	0.2500	0.2321	
63 Caprolactam	113	9.523	9.558	-0.035	74	4786	0.2500	0.1993	
64 N-Nitrosodi-n-butylamine	84	9.610	9.610	0.000	93	11139	0.2500	0.2059	
S 65 Diallate	86				0		0.2500	0.2207	
66 4-Chloro-3-methylphenol	107	9.826	9.832	-0.006	96	14295	0.2500	0.2219	
67 Safrole, Total	162	9.931	9.937	-0.006	87	13469	0.2500	0.2194	
68 2-Methylnaphthalene	142	10.047	10.047	0.000	92	36968	0.2500	0.2362	
69 1-Methylnaphthalene	142	10.199	10.199	0.000	93	33935	0.2500	0.2299	
71 Hexachlorocyclopentadiene	237	10.309	10.310	-0.001	87	8701	0.2500	0.2038	
72 1,2,4,5-Tetrachlorobenzene	216	10.309	10.315	-0.006	95	17466	0.2500	0.2474	
73 Isosafrole Peak 1	162	10.403	10.403	0.000	90	2338	0.0400	0.0350	
74 2,4,6-Trichlorophenol	196	10.502	10.508	-0.006	93	10090	0.2500	0.2165	
75 2,4,5-Trichlorophenol	196	10.543	10.549	-0.006	93	10657	0.2500	0.2140	
$ 76 2-Fluorobiphenyl (Surr)	172	10.653	10.659	-0.006	99	82736	0.5000	0.4815	
77 Isosafrole Peak 2	162	10.758	10.764	-0.006	93	14221	0.2100	0.1994	
78 1,1'-Biphenyl	154	10.805	10.811	-0.006	96	47729	0.2500	0.2422	
79 2-Chloronaphthalene	162	10.817	10.817	0.000	97	32848	0.2500	0.2252	
80 1-Chloronaphthalene	162	10.846	10.852	-0.006	99	35006	0.2500	0.2642	
81 Phenyl ether	170	10.986	10.986	0.000	84	24053	0.2500	0.2376	
82 2-Nitroaniline	138	10.986	10.992	-0.006	69	9519	0.2500	0.2037	
84 1,4-Naphthoquinone	158	11.102	11.108	-0.006	89	12278	0.2500	0.2023	
85 1,4-Dinitrobenzene	168	11.219	11.225	-0.006	92	4737	0.2500	0.1891	
86 Dimethyl phthalate	163	11.324	11.330	-0.006	98	36885	0.2500	0.2283	M
87 1,3-Dinitrobenzene	168	11.335	11.341	-0.006	80	4803	0.2500	0.1731	
88 2,6-Dinitrotoluene	165	11.394	11.400	-0.006	91	8464	0.2500	0.2285	
89 Acenaphthylene	152	11.469	11.475	-0.006	99	46979	0.2500	0.2326	
90 3-Nitroaniline	138	11.633	11.639	-0.006	88	7729	0.2500	0.2003	
* 91 Acenaphthene-d10	164	11.685	11.691	-0.006	97	521360	5.00	5.00	
93 Acenaphthene	153	11.732	11.738	-0.006	95	35922	0.2500	0.2388	
94 2,4-Dinitrophenol	184	11.784	11.790	-0.006	86	33164	2.25	1.40	
95 4-Nitrophenol	109	11.883	11.889	-0.006	81	20468	1.25	0.8792	
96 Pentachlorobenzene	250	11.918	11.924	-0.006	97	15322	0.2500	0.2424	
97 Dibenzofuran	168	11.976	11.977	-0.001	97	50383	0.2500	0.2439	
98 2,4-Dinitrotoluene	165	11.971	11.977	-0.006	91	10803	0.2500	0.2180	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 1-Naphthylamine	143	12.076	12.081	-0.005	98	33668	0.2500	0.2272	
101 2,3,4,6-Tetrachlorophenol	232	12.140	12.146	-0.006	76	8002	0.2500	0.2122	
103 2-Naphthylamine	143	12.180	12.186	-0.006	97	33924	0.2500	0.2368	
104 Diethyl phthalate	149	12.320	12.326	-0.006	97	36263	0.2500	0.2240	
105 Fluorene	166	12.414	12.414	0.000	93	38798	0.2500	0.2375	
106 Thionazin	107	12.414	12.420	-0.006	81	5652	0.2500	0.2014	
108 4-Chlorophenyl phenyl ether	204	12.437	12.437	0.000	93	19602	0.2500	0.2491	
109 4-Nitroaniline	138	12.431	12.437	-0.006	76	8176	0.2500	0.1981	
107 N-Nitro-o-toluidine	152	12.425	12.437	-0.012	84	8834	0.2500	0.1991	
110 4,6-Dinitro-2-methylphenol	198	12.478	12.484	-0.006	84	24525	1.25	0.8253	
111 N-Nitrosodiphenylamine	169	12.571	12.577	-0.006	64	30449	0.2500	0.2279	
112 1,2-Diphenylhydrazine	77	12.618	12.624	-0.006	41	35315	0.2500	0.2379	
$ 113 2,4,6-Tribromophenol	330	12.699	12.699	0.000	93	11423	0.5000	0.4384	
114 Sulfotepp	97	12.804	12.804	0.000	82	5330	0.2500	0.2102	
115 cis-Diallate	86	12.944	12.944	0.000	87	10714	0.1850	0.1641	
116 Phorate	75	12.950	12.956	-0.006	95	18684	0.2500	0.2106	
117 Phenacetin	108	12.956	12.967	-0.011	93	13801	0.2500	0.1876	
118 4-Bromophenyl phenyl ether	248	13.026	13.026	0.000	64	11114	0.2500	0.2452	
119 trans-Diallate	86	13.049	13.049	0.000	91	3694	0.0650	0.0566	
120 Hexachlorobenzene	284	13.078	13.078	0.000	94	12468	0.2500	0.2391	
121 Dimethoate	87	13.136	13.148	-0.012	91	10872	0.2500	0.1793	
122 Atrazine	200	13.241	13.253	-0.012	92	10398	0.2500	0.2262	
123 Pentachlorophenol	266	13.323	13.329	-0.006	93	6265	0.2500	0.1798	
125 4-Aminobiphenyl	169	13.340	13.346	-0.006	90	21824	0.2500	0.2154	
124 Pentachloronitrobenzene	237	13.340	13.346	-0.006	66	4105	0.2500	0.2000	
126 Pronamide	173	13.439	13.445	-0.006	90	14334	0.2500	0.1976	
* 127 Phenanthrene-d10	188	13.562	13.568	-0.006	97	999692	5.00	5.00	
128 Dinoseb	211	13.579	13.585	-0.006	91	5072	0.2500	0.1183	
129 Phenanthrene	178	13.597	13.597	0.000	98	56119	0.2500	0.2413	
130 Anthracene	178	13.661	13.667	-0.006	97	52551	0.2500	0.2246	
131 Carbazole	167	13.877	13.883	-0.006	95	49143	0.2500	0.2224	
132 Methyl parathion	109	14.081	14.087	-0.006	93	8172	0.2500	0.1599	
133 Di-n-butyl phthalate	149	14.395	14.395	0.000	99	56835	0.2500	0.1975	
134 Ethyl Parathion	109	14.629	14.634	-0.005	79	4608	0.2500	0.1448	
135 4-Nitroquinoline-1-oxide	190	14.634	14.640	-0.006	77	3335	0.2500	0.1162	
136 Octachlorostyrene	308	14.978	14.984	-0.006	91	5229	0.2500	0.2315	
137 Isodrin	193	15.031	15.031	0.000	89	6786	0.2500	0.2370	
138 Fluoranthene	202	15.246	15.252	-0.006	98	59454	0.2500	0.2212	
139 Benzidine	184	15.468	15.480	-0.012	99	371441	2.00	2.06	
* 140 Pyrene-d10 (IS)	212	15.561	15.561	0.000	100	1000624	5.00	5.00	
141 Pyrene	202	15.590	15.590	0.000	98	68156	0.2500	0.2463	
$ 142 p-Terphenyl-d14	244	15.870	15.876	-0.006	98	91845	0.5000	0.4580	
143 p-Dimethylamino azobenzene	225	16.109	16.109	0.000	94	8715	0.2500	0.1892	
144 Chlorobenzilate	139	16.196	16.202	-0.006	90	14309	0.2500	0.1784	
145 3,3'-Dimethylbenzidine	212	16.663	16.669	-0.006	99	28795	0.2500	0.1601	
146 Butyl benzyl phthalate	149	16.727	16.733	-0.006	98	21682	0.2500	0.1730	
147 2-Acetylaminofluorene	181	17.077	17.082	-0.005	96	12781	0.2500	0.1246	
149 3,3'-Dichlorobenzidine	252	17.589	17.590	-0.001	74	18420	0.2500	0.1890	
148 Benzo[a]anthracene	228	17.595	17.601	-0.006	99	49736	0.2500	0.2111	
150 4,4'-Methylene bis(2-chloroani	231	17.607	17.613	-0.006	92	9153	0.2500	0.1826	
151 Chrysene	228	17.659	17.665	-0.006	96	53522	0.2500	0.2247	
152 Bis(2-ethylhexyl) phthalate	149	17.799	17.799	0.000	96	28636	0.2500	0.1595	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 6-Methylchrysene	242	18.458	18.464	-0.006	99	34441	0.2500	0.1921	
154 Di-n-octyl phthalate	149	18.953	18.959	-0.006	99	42432	0.2500	0.1437	
155 Benzo[b]fluoranthene	252	19.443	19.449	-0.006	97	53029	0.2500	0.2186	
156 7,12-Dimethylbenz(a)anthracene	256	19.449	19.461	-0.012	92	23684	0.2500	0.2152	
157 Benzo[k]fluoranthene	252	19.490	19.501	-0.011	99	52435	0.2500	0.2249	
158 Benzo[a]pyrene	252	19.968	19.973	-0.005	78	47790	0.2500	0.2150	
* 159 Perylene-d12	264	20.061	20.067	-0.006	98	976642	5.00	5.00	
160 3-Methylcholanthrene	268	20.539	20.551	-0.011	94	22718	0.2500	0.1981	
161 Dibenz[a,h]acridine	279	21.343	21.355	-0.012	90	35655	0.2500	0.1928	
162 Dibenz[a,j]acridine	279	21.413	21.425	-0.012	96	36728	0.2500	0.1896	
163 Indeno[1,2,3-cd]pyrene	276	21.658	21.670	-0.012	99	46000	0.2500	0.2132	M
164 Dibenz(a,h)anthracene	278	21.699	21.710	-0.011	92	48119	0.2500	0.2141	
165 Benzo[g,h,i]perylene	276	22.048	22.060	-0.012	98	49351	0.2500	0.2159	
S 166 Isosafrole	162				0		0.2500	0.2344	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00007 Amount Added: 1.00 Units: mL

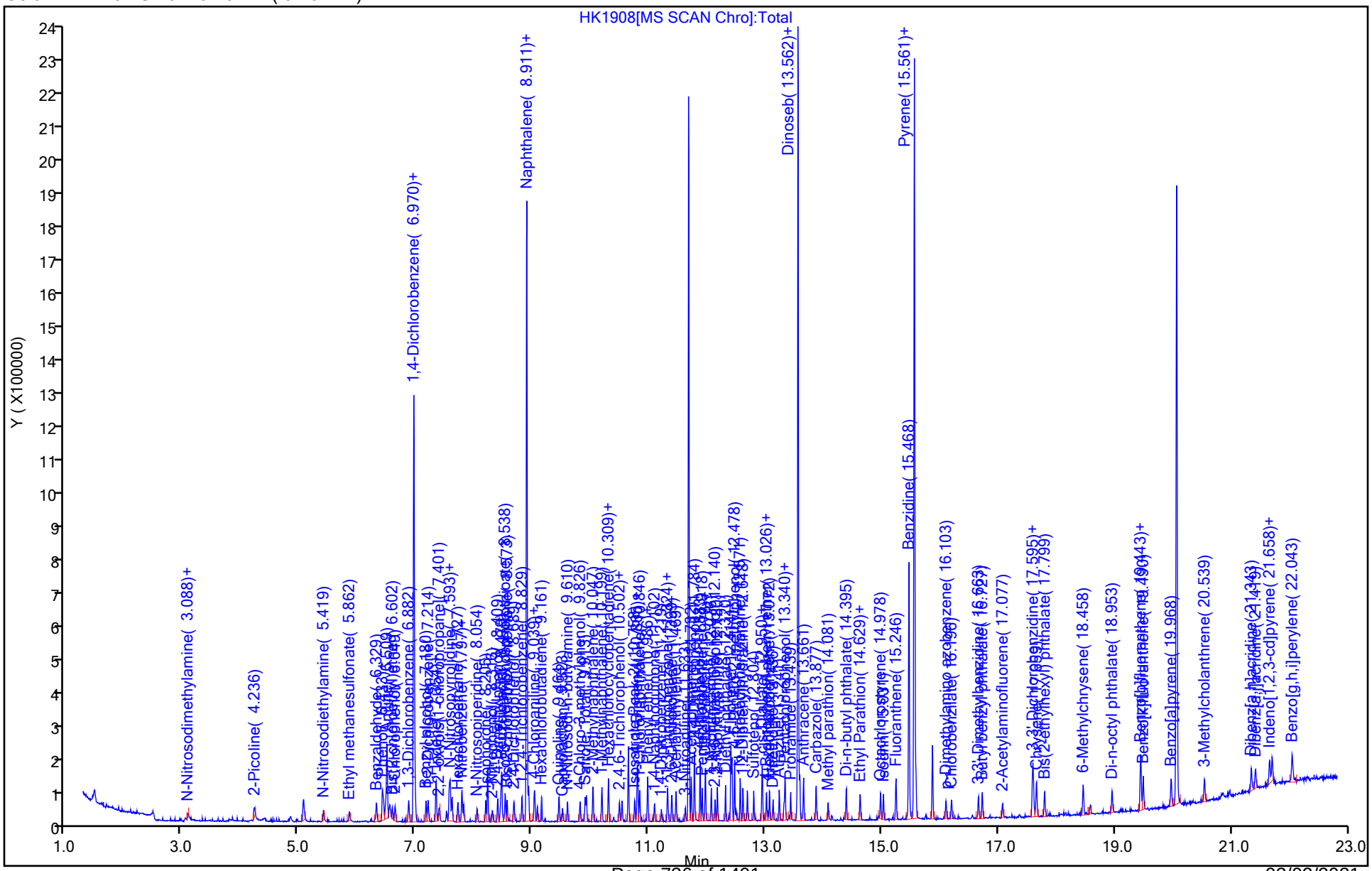
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	25-Nov-2020 02:20:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	IC L2			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

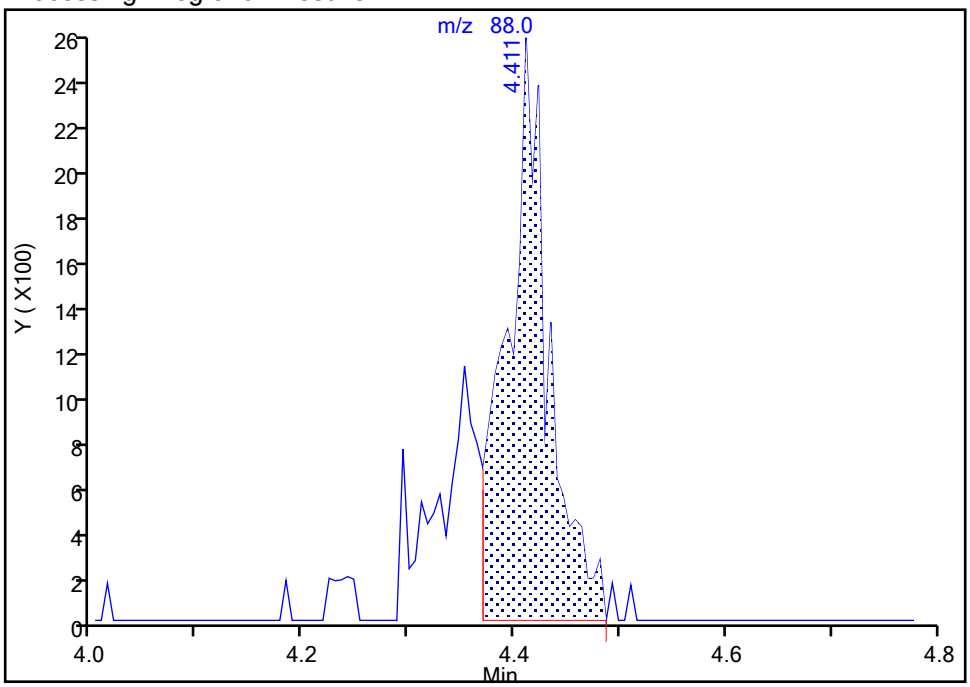
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Lims ID:	IC L2				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 N-Nitrosomethylethylamine, CAS: 10595-95-6

Signal: 1

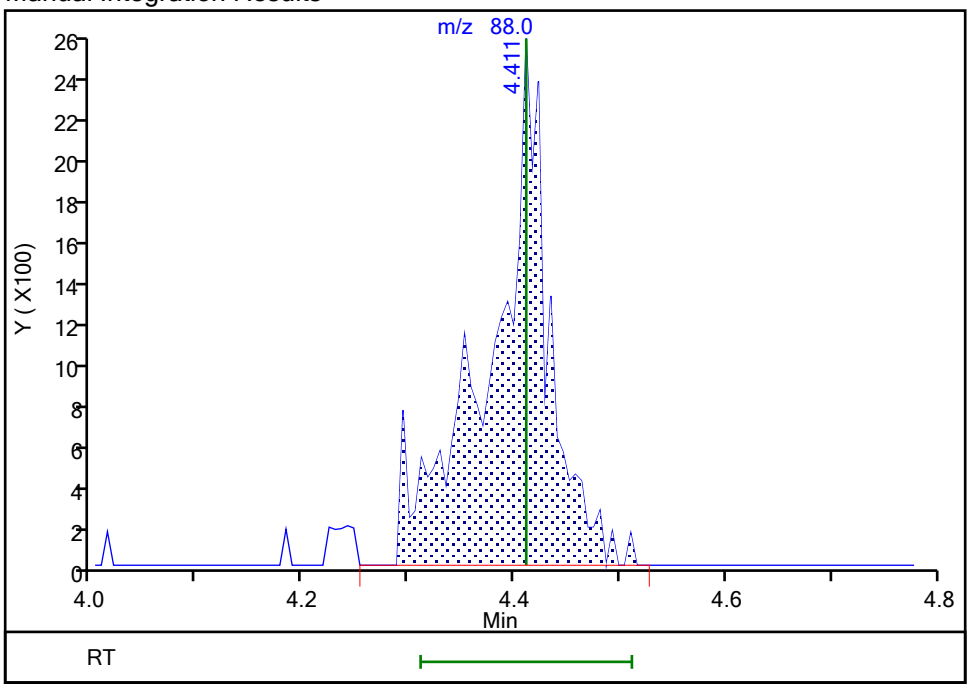
Processing Integration Results

RT: 4.41
Area: 6762
Amount: 0.189717
Amount Units: ug/ml



Manual Integration Results

RT: 4.41
Area: 9684
Amount: 0.271698
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:29:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

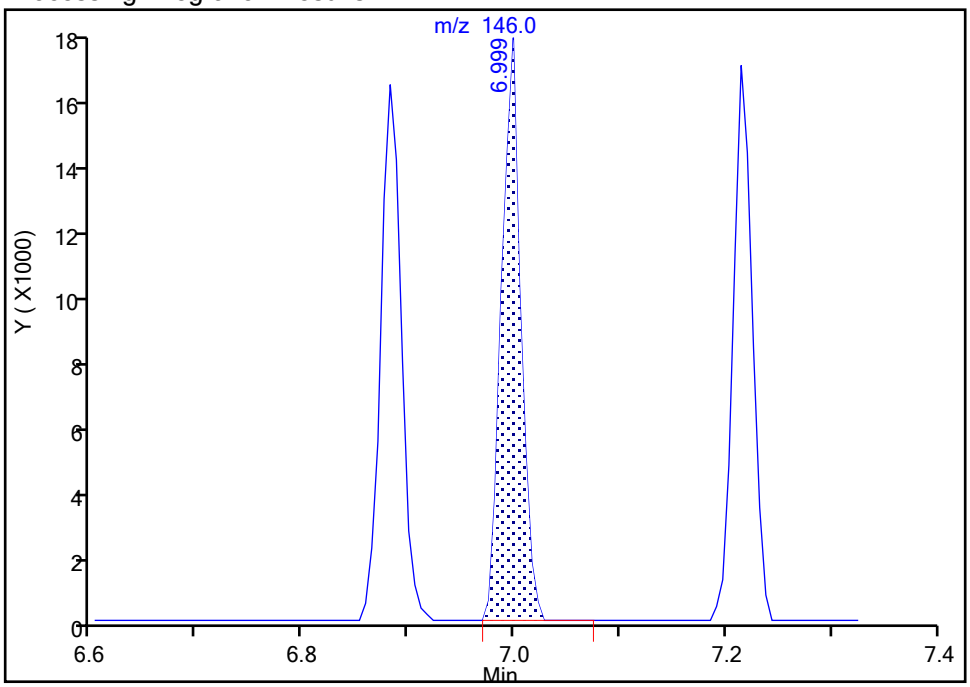
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Lims ID:	IC L2				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

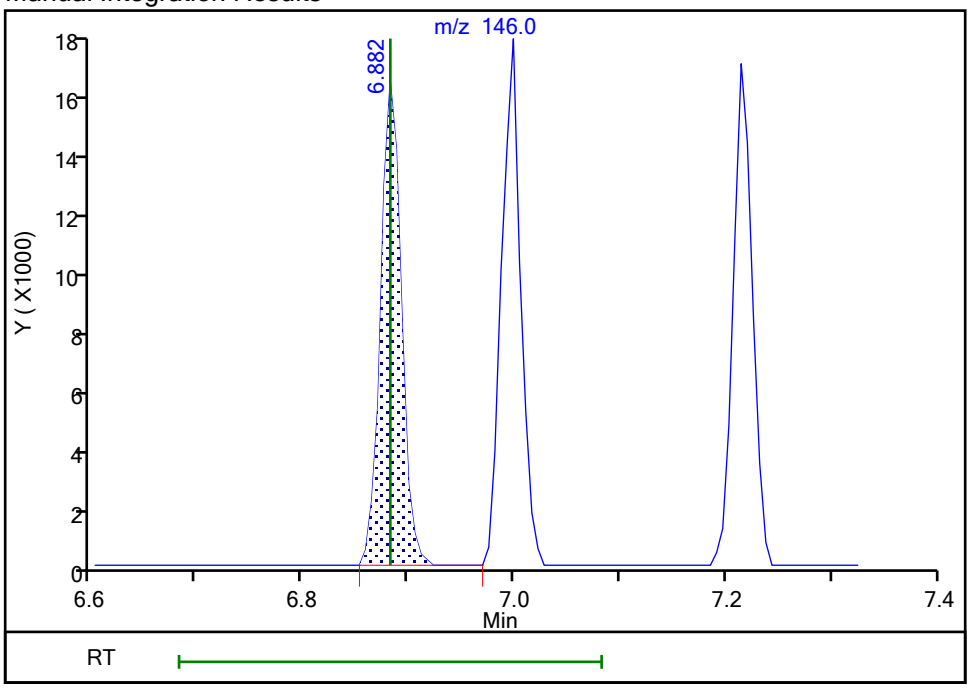
Processing Integration Results

RT: 7.00
Area: 22157
Amount: 0.241619
Amount Units: ug/ml



Manual Integration Results

RT: 6.88
Area: 21966
Amount: 0.239822
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:58:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

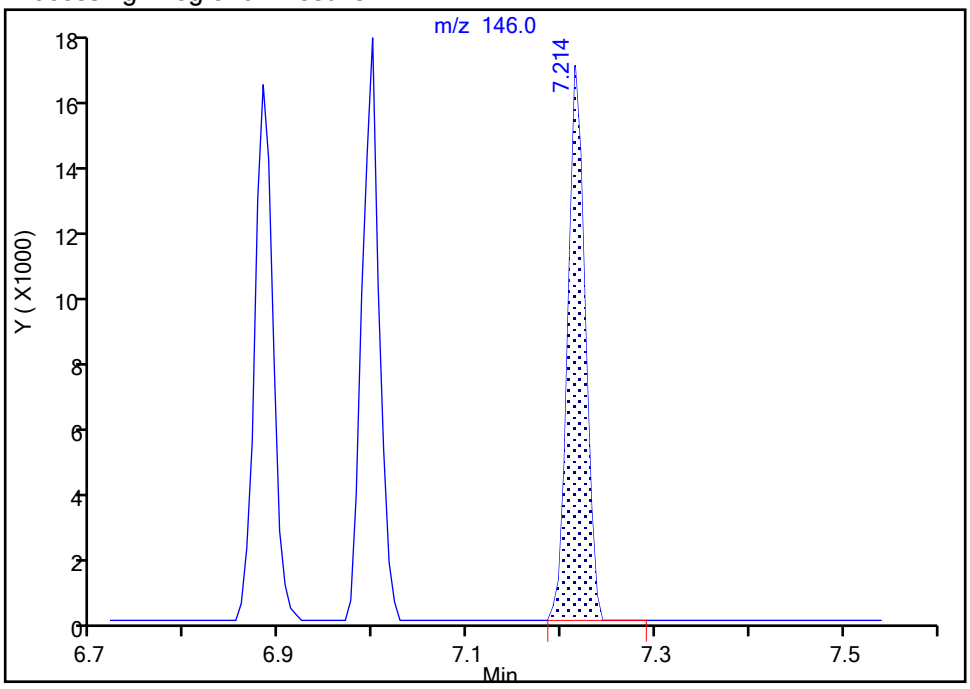
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Lims ID:	IC L2				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

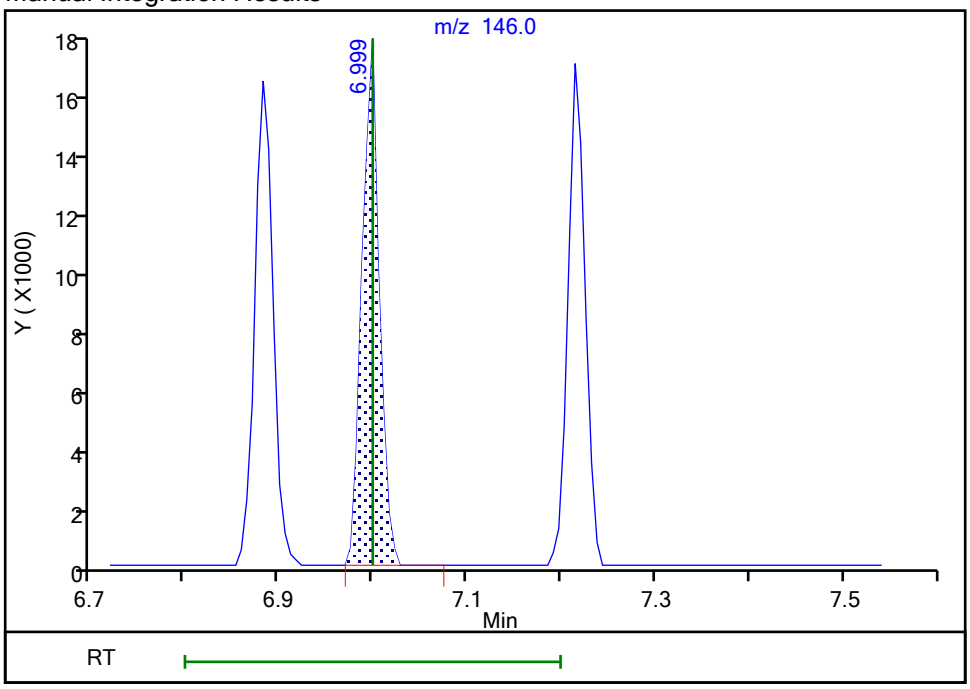
Processing Integration Results

RT: 7.21
Area: 21163
Amount: 0.230249
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 22157
Amount: 0.239583
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:27:31

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

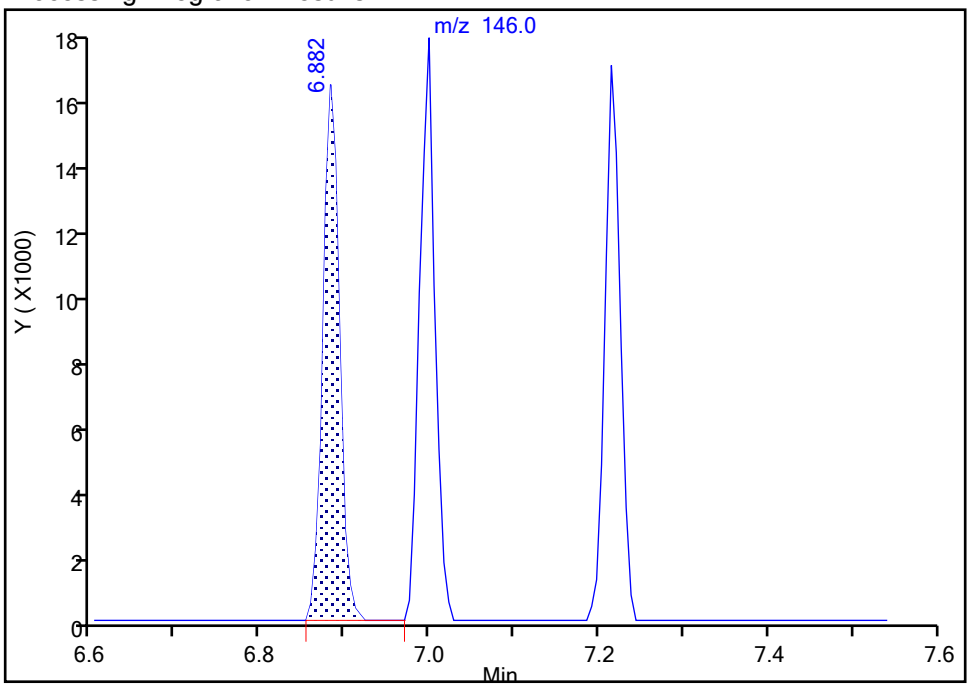
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Lims ID:	IC L2				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

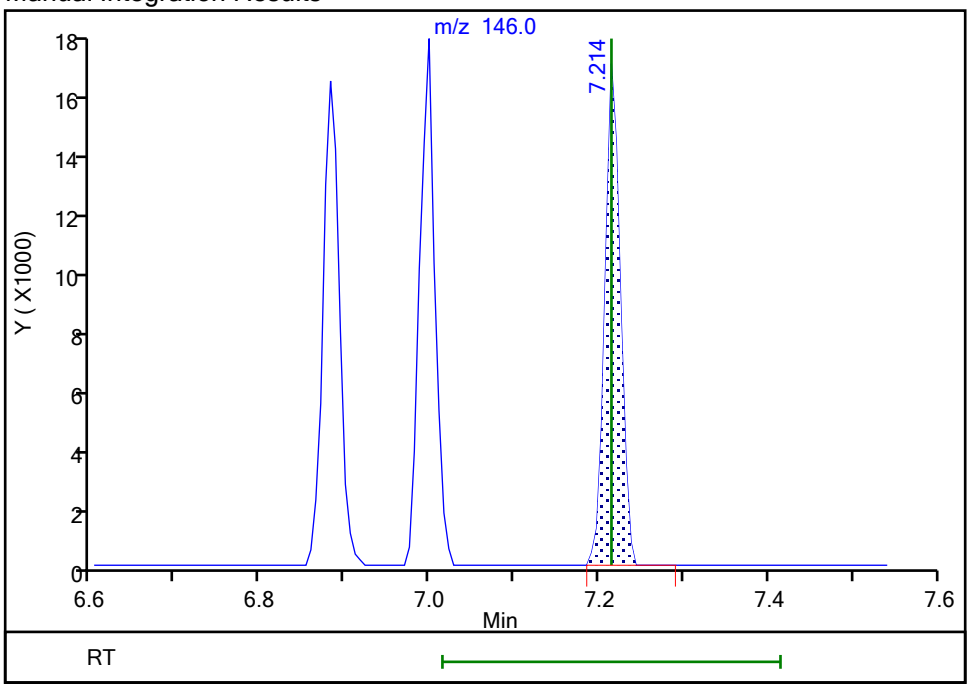
Processing Integration Results

RT: 6.88
Area: 21966
Amount: 0.237798
Amount Units: ug/ml



Manual Integration Results

RT: 7.21
Area: 21163
Amount: 0.241366
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:27:37

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

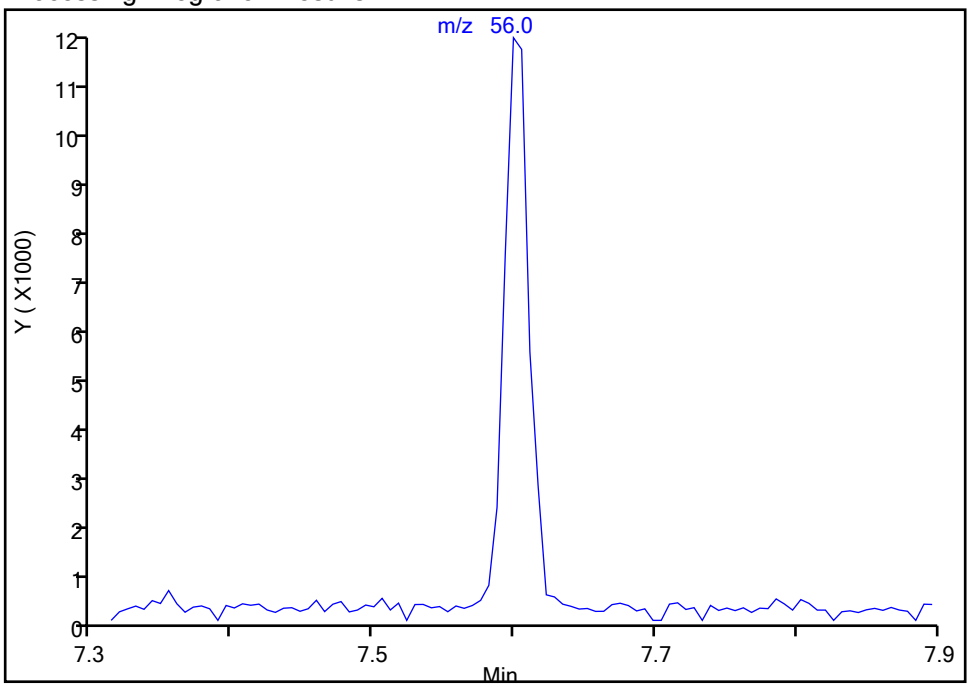
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Lims ID: IC L2
Client ID:
Operator ID: sw30417 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

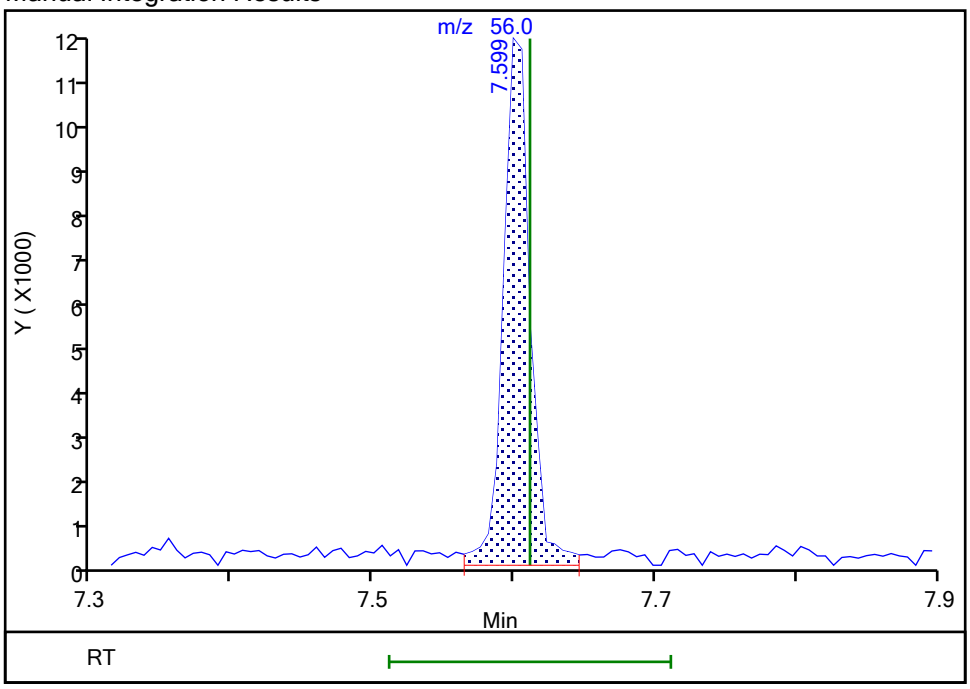
Not Detected
Expected RT: 7.61

Processing Integration Results



Manual Integration Results

RT: 7.60
Area: 14791
Amount: 0.257708
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:29:58
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

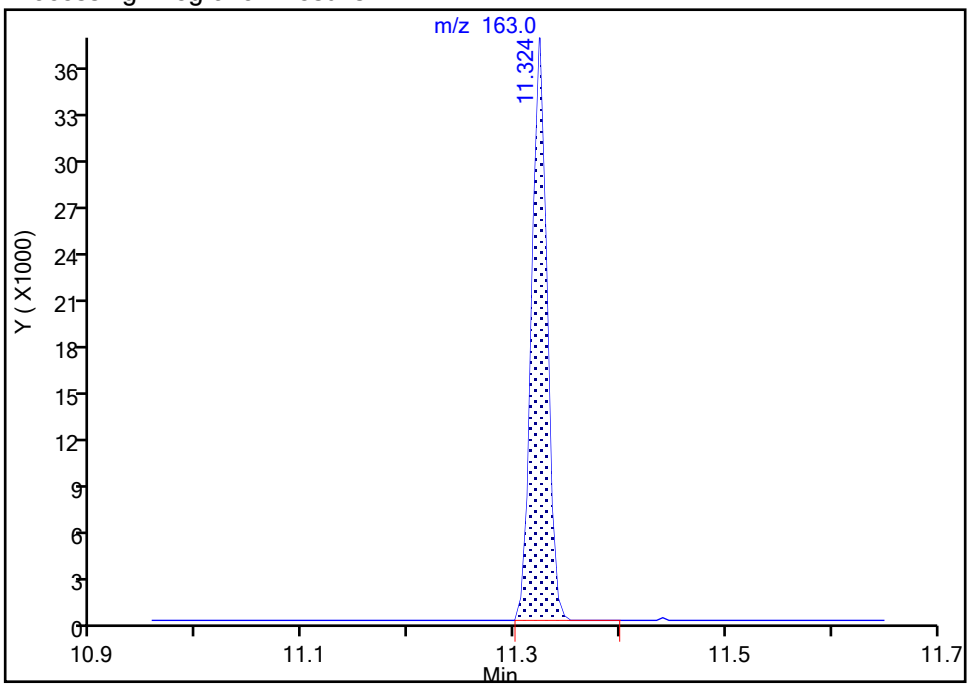
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Client ID:					
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

86 Dimethyl phthalate, CAS: 131-11-3

Signal: 1

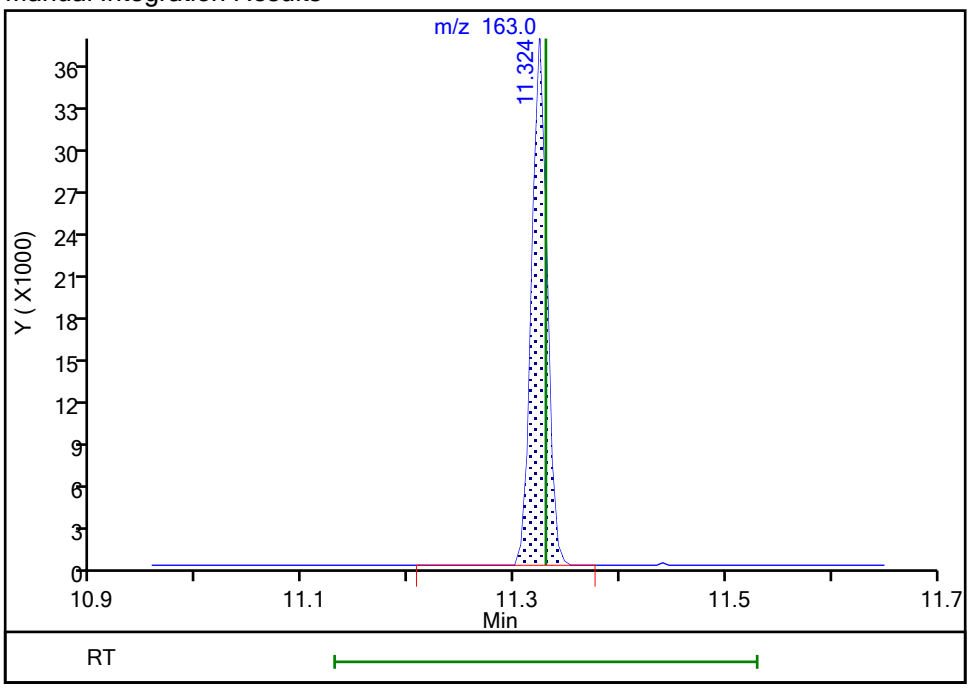
Processing Integration Results

RT: 11.32
Area: 36885
Amount: 0.228277
Amount Units: ug/ml



Manual Integration Results

RT: 11.32
Area: 36885
Amount: 0.228277
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:30:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

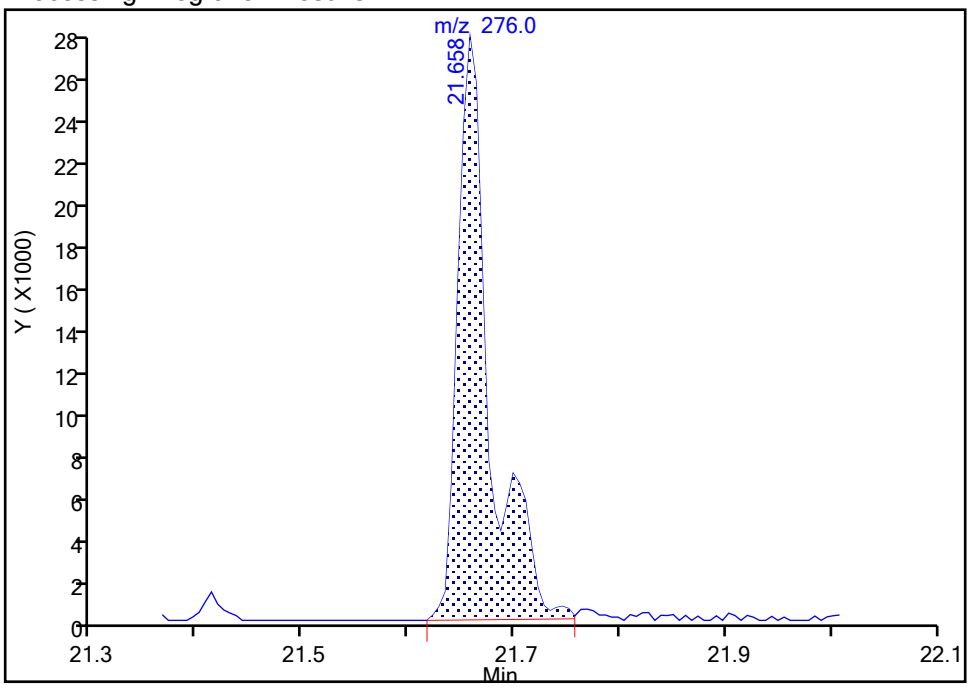
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Injection Date:	25-Nov-2020 02:20:30	Instrument ID:	HP18831		
Lims ID:	IC L2				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

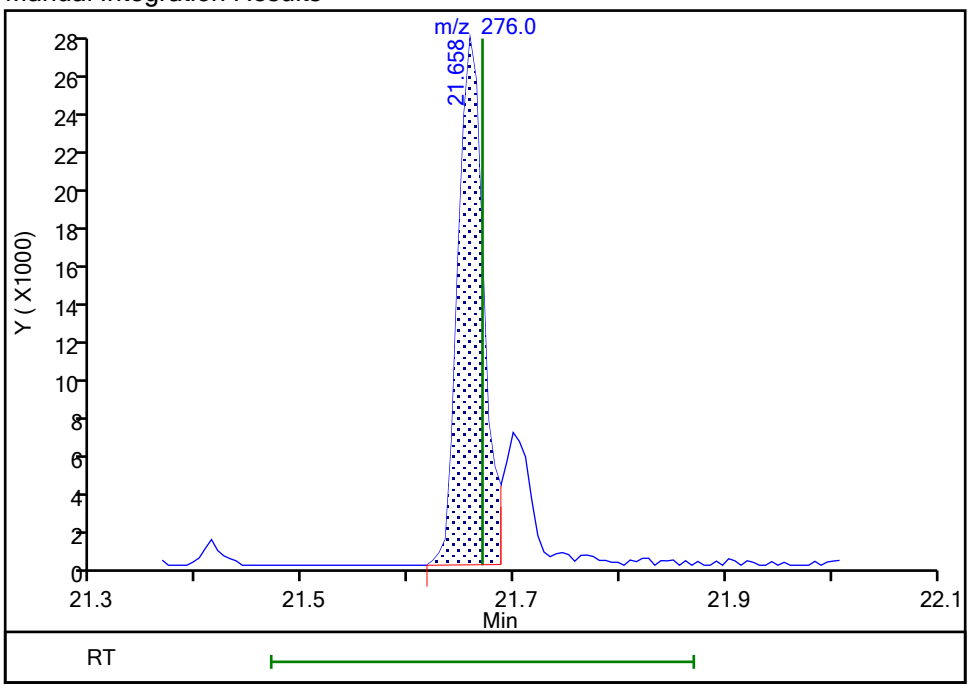
Processing Integration Results

RT: 21.66
Area: 57872
Amount: 0.261005
Amount Units: ug/ml



Manual Integration Results

RT: 21.66
Area: 46000
Amount: 0.213169
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:30:56

Audit Action: Split an Integrated Peak 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

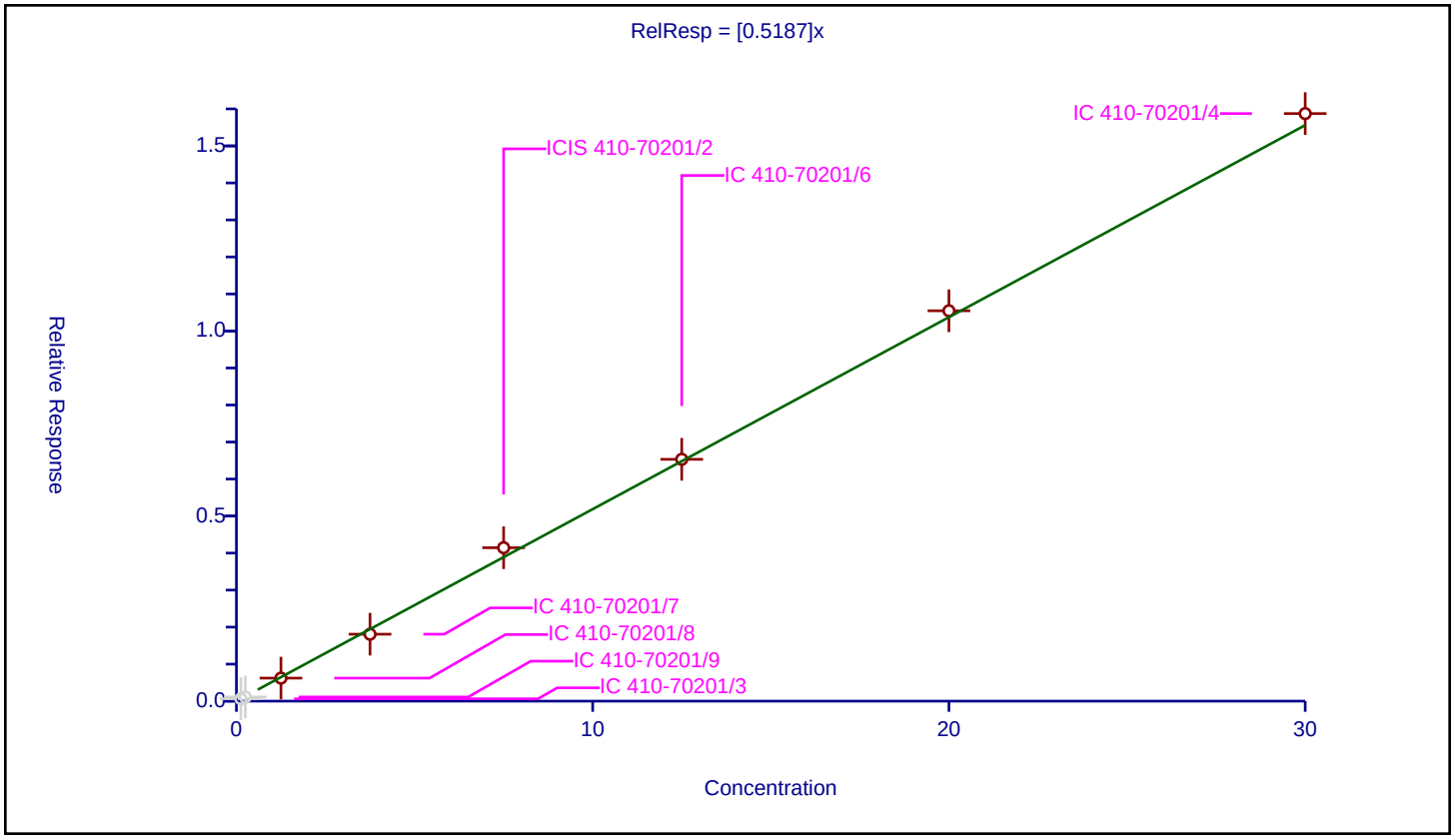
Curve Coefficients

Intercept:	0
Slope:	0.5187

Error Coefficients

Standard Error:	562000
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 410-70201/3	0.125	0.063912	5.0	280621.0	0.511295	N
2	IC 410-70201/9	0.25	0.111742	5.0	290266.0	0.446969	N
3	IC 410-70201/8	1.25	0.622352	5.0	284124.0	0.497881	Y
4	IC 410-70201/7	3.75	1.808718	5.0	291115.0	0.482325	Y
5	ICIS 410-70201/2	7.5	4.14463	5.0	283462.0	0.552617	Y
6	IC 410-70201/6	12.5	6.533285	5.0	333617.0	0.522663	Y
7	IC 410-70201/5	20.0	10.546247	5.0	307947.0	0.527312	Y
8	IC 410-70201/4	30.0	15.8733	5.0	299124.0	0.52911	Y



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

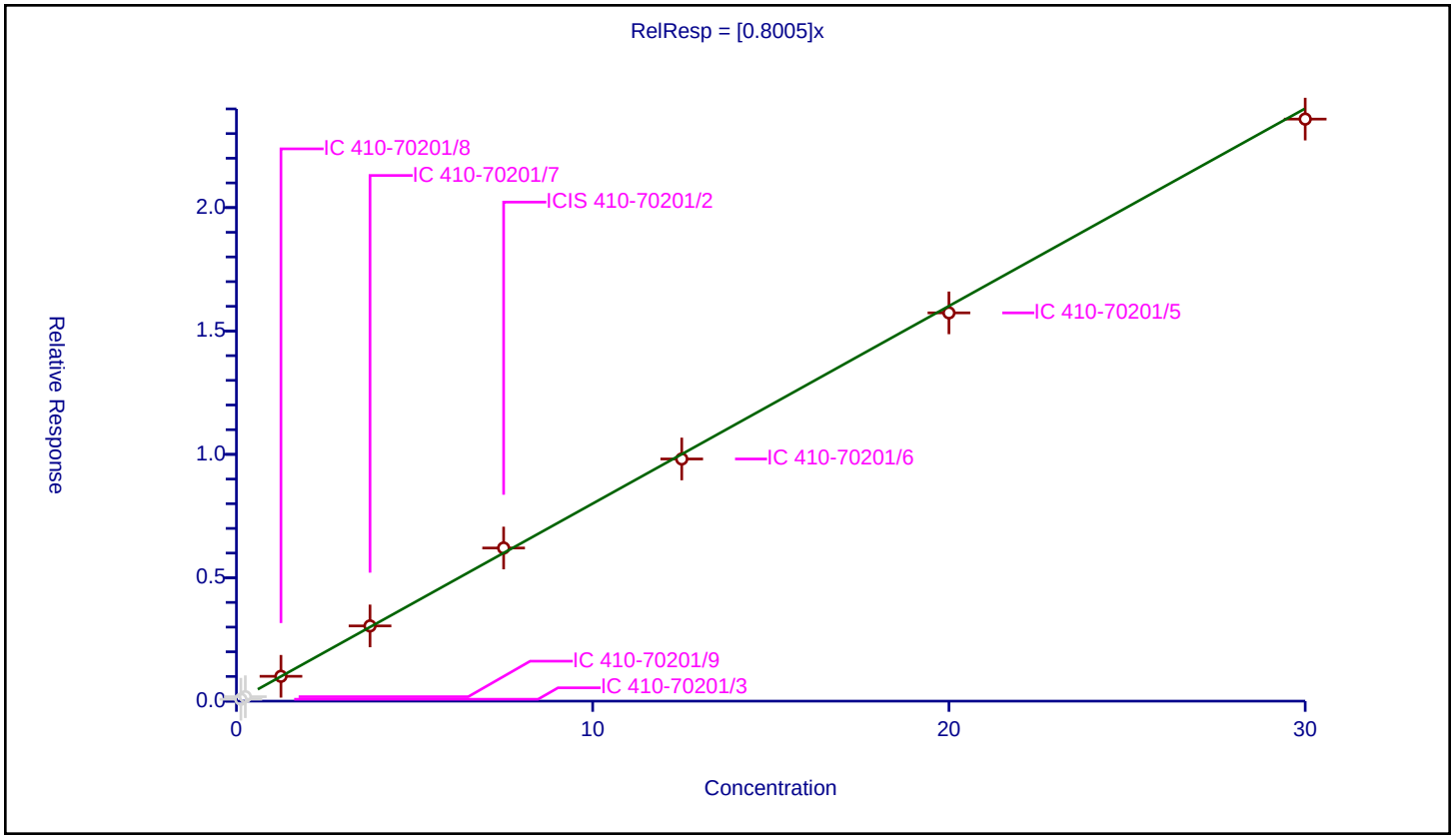
Curve Coefficients

Intercept:	0
Slope:	0.8005

Error Coefficients

Standard Error:	839000
Relative Standard Error:	2.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.077222	5.0	280621.0	0.617773	N
2	IC 410-70201/9	0.25	0.180231	5.0	290266.0	0.720925	N
3	IC 410-70201/8	1.25	1.006145	5.0	284124.0	0.804916	Y
4	IC 410-70201/7	3.75	3.048434	5.0	291115.0	0.812916	Y
5	ICIS 410-70201/2	7.5	6.205752	5.0	283462.0	0.827434	Y
6	IC 410-70201/6	12.5	9.813229	5.0	333617.0	0.785058	Y
7	IC 410-70201/5	20.0	15.734574	5.0	307947.0	0.786729	Y
8	IC 410-70201/4	30.0	23.587141	5.0	299124.0	0.786238	Y



Calibration / Pyridine

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

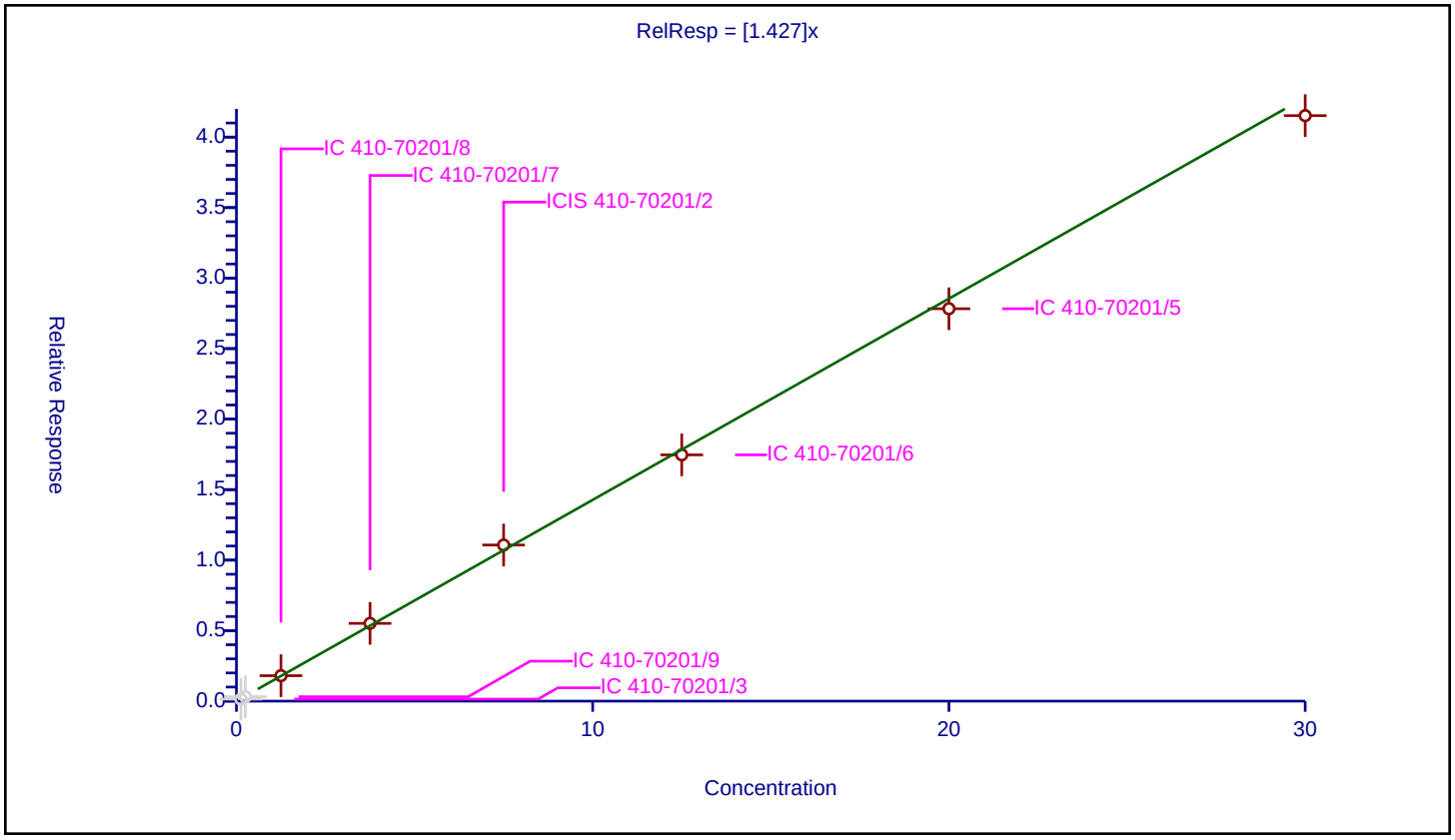
Curve Coefficients

Intercept:	0
Slope:	1.427

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	2.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.142238	5.0	280621.0	1.137905	N
2	IC 410-70201/9	0.25	0.314935	5.0	290266.0	1.259741	N
3	IC 410-70201/8	1.25	1.804247	5.0	284124.0	1.443398	Y
4	IC 410-70201/7	3.75	5.515226	5.0	291115.0	1.470727	Y
5	ICIS 410-70201/2	7.5	11.070884	5.0	283462.0	1.476118	Y
6	IC 410-70201/6	12.5	17.465402	5.0	333617.0	1.397232	Y
7	IC 410-70201/5	20.0	27.829286	5.0	307947.0	1.391464	Y
8	IC 410-70201/4	30.0	41.521743	5.0	299124.0	1.384058	Y



Calibration / 2-Picoline

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

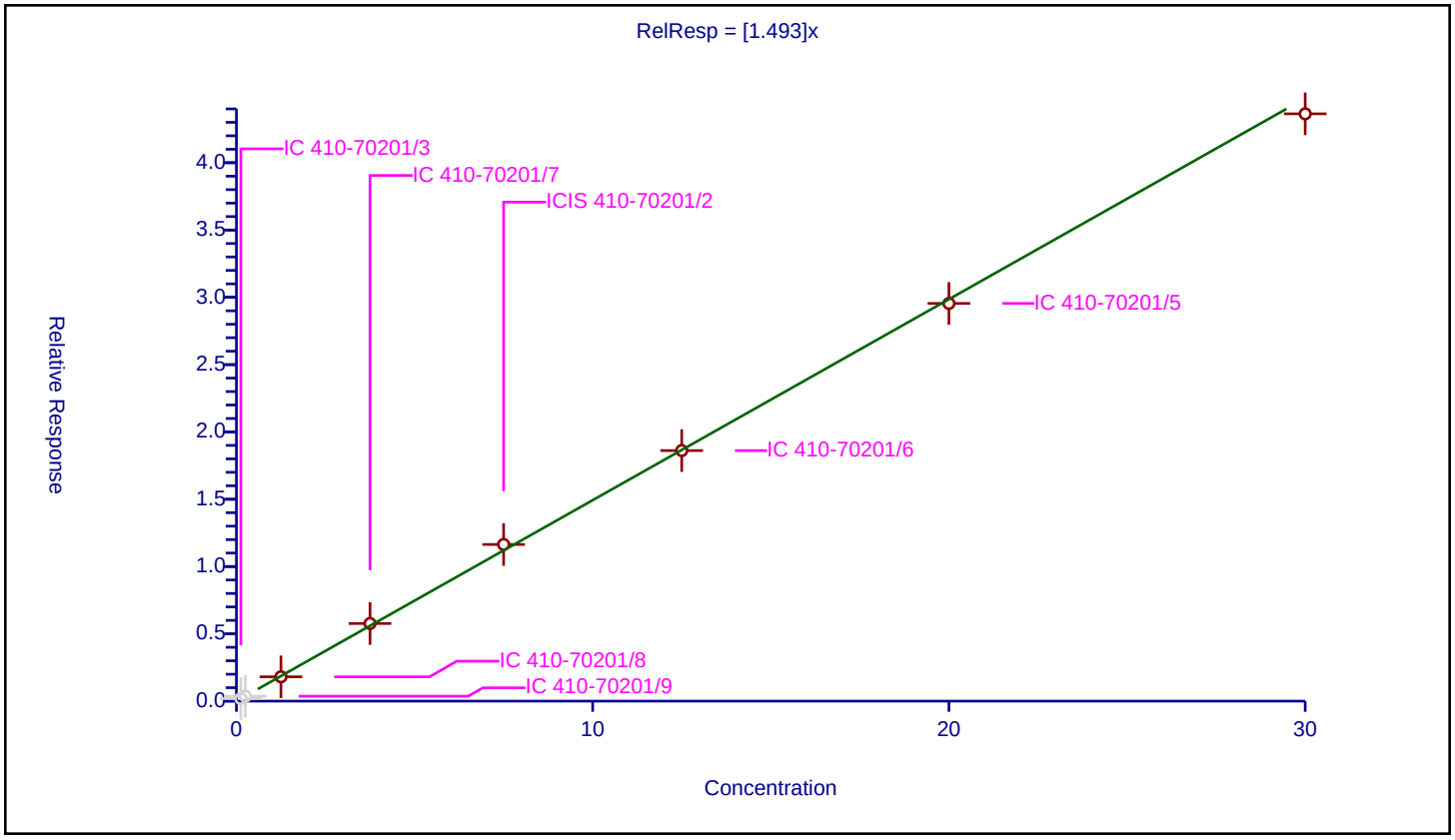
Curve Coefficients

Intercept:	0
Slope:	1.493

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	2.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.193802	5.0	280621.0	1.550419	N
2	IC 410-70201/9	0.25	0.366199	5.0	290266.0	1.464794	N
3	IC 410-70201/8	1.25	1.808137	5.0	284124.0	1.446509	Y
4	IC 410-70201/7	3.75	5.767429	5.0	291115.0	1.537981	Y
5	ICIS 410-70201/2	7.5	11.640678	5.0	283462.0	1.55209	Y
6	IC 410-70201/6	12.5	18.615568	5.0	333617.0	1.489245	Y
7	IC 410-70201/5	20.0	29.547244	5.0	307947.0	1.477362	Y
8	IC 410-70201/4	30.0	43.633109	5.0	299124.0	1.454437	Y



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

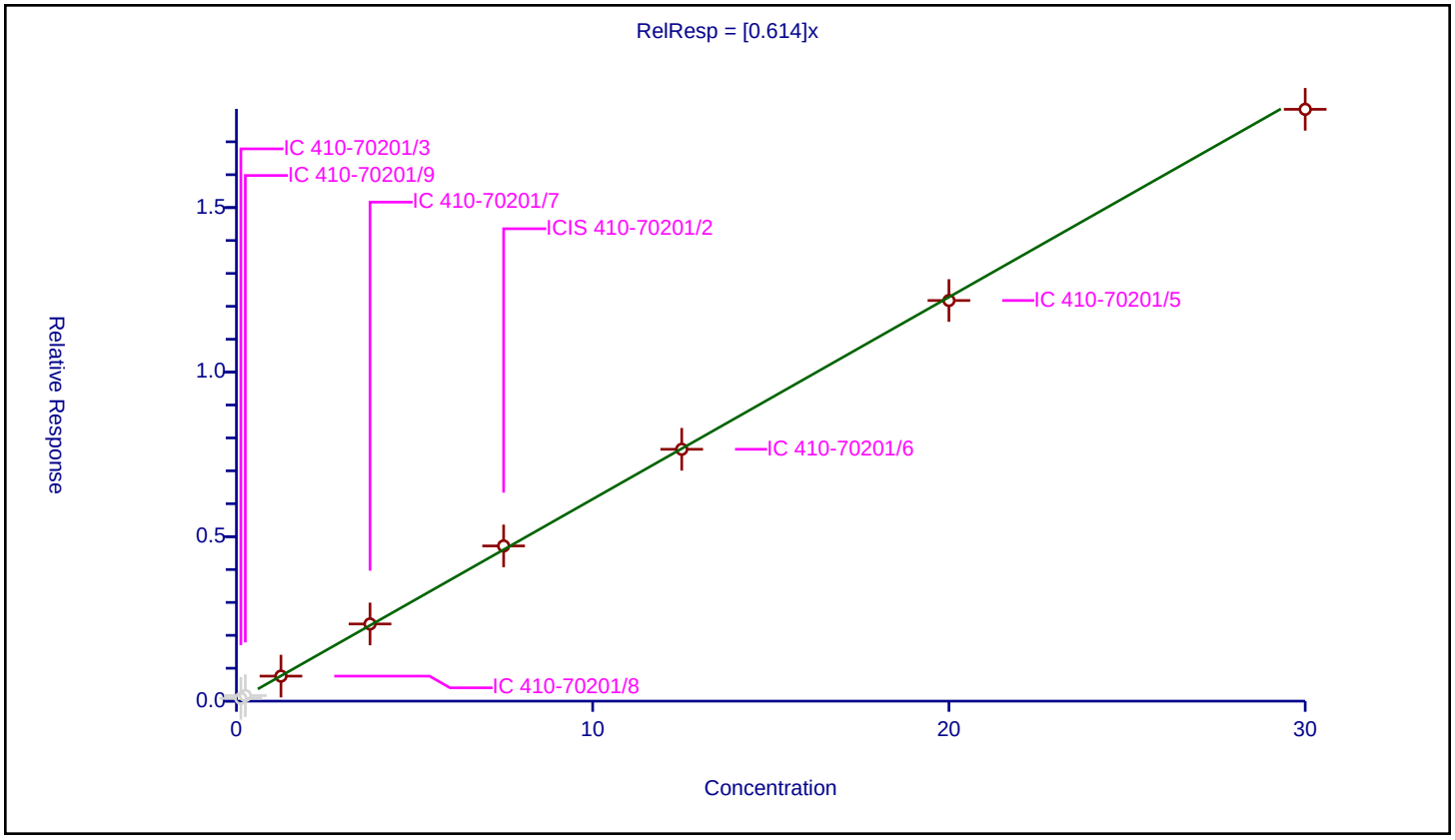
Curve Coefficients

Intercept:	0
Slope:	0.614

Error Coefficients

Standard Error:	644000
Relative Standard Error:	1.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.085186	5.0	280621.0	0.681489	N
2	IC 410-70201/9	0.25	0.166813	5.0	290266.0	0.66725	N
3	IC 410-70201/8	1.25	0.760671	5.0	284124.0	0.608537	Y
4	IC 410-70201/7	3.75	2.34574	5.0	291115.0	0.625531	Y
5	ICIS 410-70201/2	7.5	4.717034	5.0	283462.0	0.628938	Y
6	IC 410-70201/6	12.5	7.654856	5.0	333617.0	0.612388	Y
7	IC 410-70201/5	20.0	12.176462	5.0	307947.0	0.608823	Y
8	IC 410-70201/4	30.0	17.987005	5.0	299124.0	0.599567	Y



Calibration / Methyl methanesulfonate

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

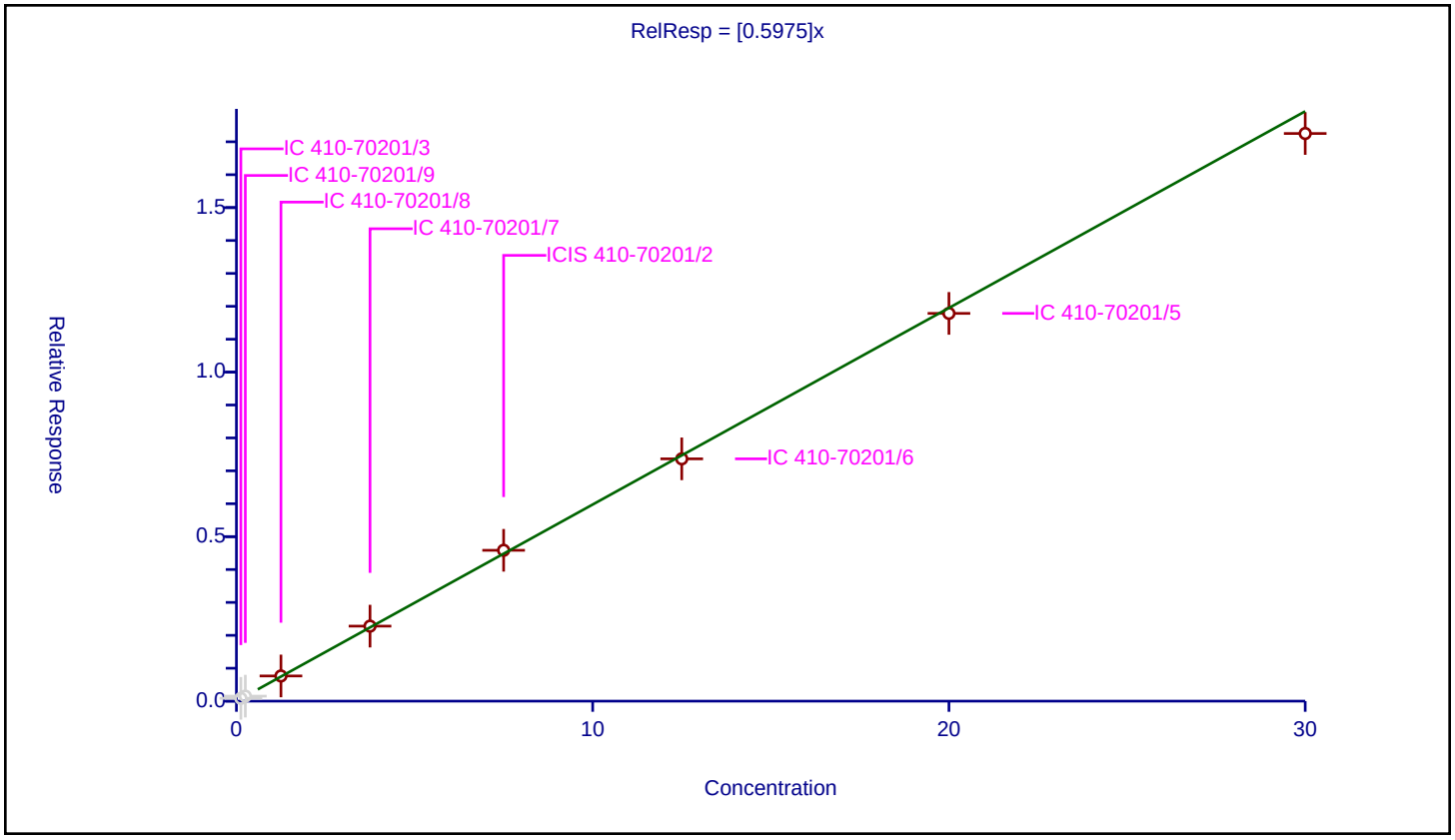
Curve Coefficients

Intercept:	0
Slope:	0.5975

Error Coefficients

Standard Error:	620000
Relative Standard Error:	2.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.085507	5.0	280621.0	0.684054	N
2	IC 410-70201/9	0.25	0.15205	5.0	290266.0	0.608201	N
3	IC 410-70201/8	1.25	0.76574	5.0	284124.0	0.612592	Y
4	IC 410-70201/7	3.75	2.279546	5.0	291115.0	0.607879	Y
5	ICIS 410-70201/2	7.5	4.58483	5.0	283462.0	0.611311	Y
6	IC 410-70201/6	12.5	7.364283	5.0	333617.0	0.589143	Y
7	IC 410-70201/5	20.0	11.784999	5.0	307947.0	0.58925	Y
8	IC 410-70201/4	30.0	17.252293	5.0	299124.0	0.575076	Y



Calibration / 2-Fluorophenol

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

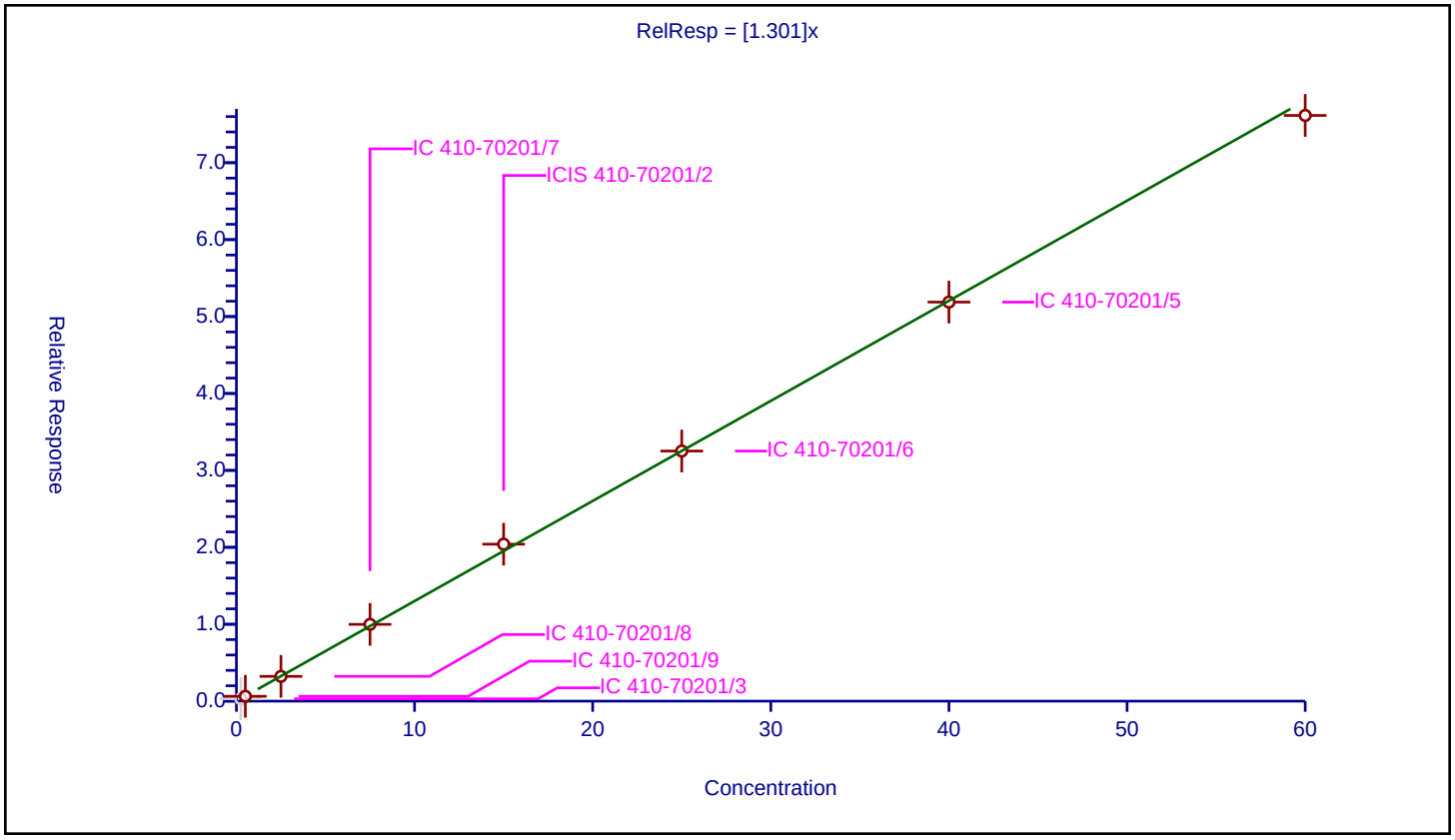
Curve Coefficients

Intercept:	0
Slope:	1.301

Error Coefficients

Standard Error:	2500000
Relative Standard Error:	2.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.25	0.302508	5.0	280621.0	1.210031	N
2	IC 410-70201/9	0.5	0.630749	5.0	290266.0	1.261498	Y
3	IC 410-70201/8	2.5	3.223575	5.0	284124.0	1.28943	Y
4	IC 410-70201/7	7.5	9.982361	5.0	291115.0	1.330981	Y
5	ICIS 410-70201/2	15.0	20.406721	5.0	283462.0	1.360448	Y
6	IC 410-70201/6	25.0	32.515459	5.0	333617.0	1.300618	Y
7	IC 410-70201/5	40.0	51.879739	5.0	307947.0	1.296993	Y
8	IC 410-70201/4	60.0	76.147267	5.0	299124.0	1.269121	Y



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

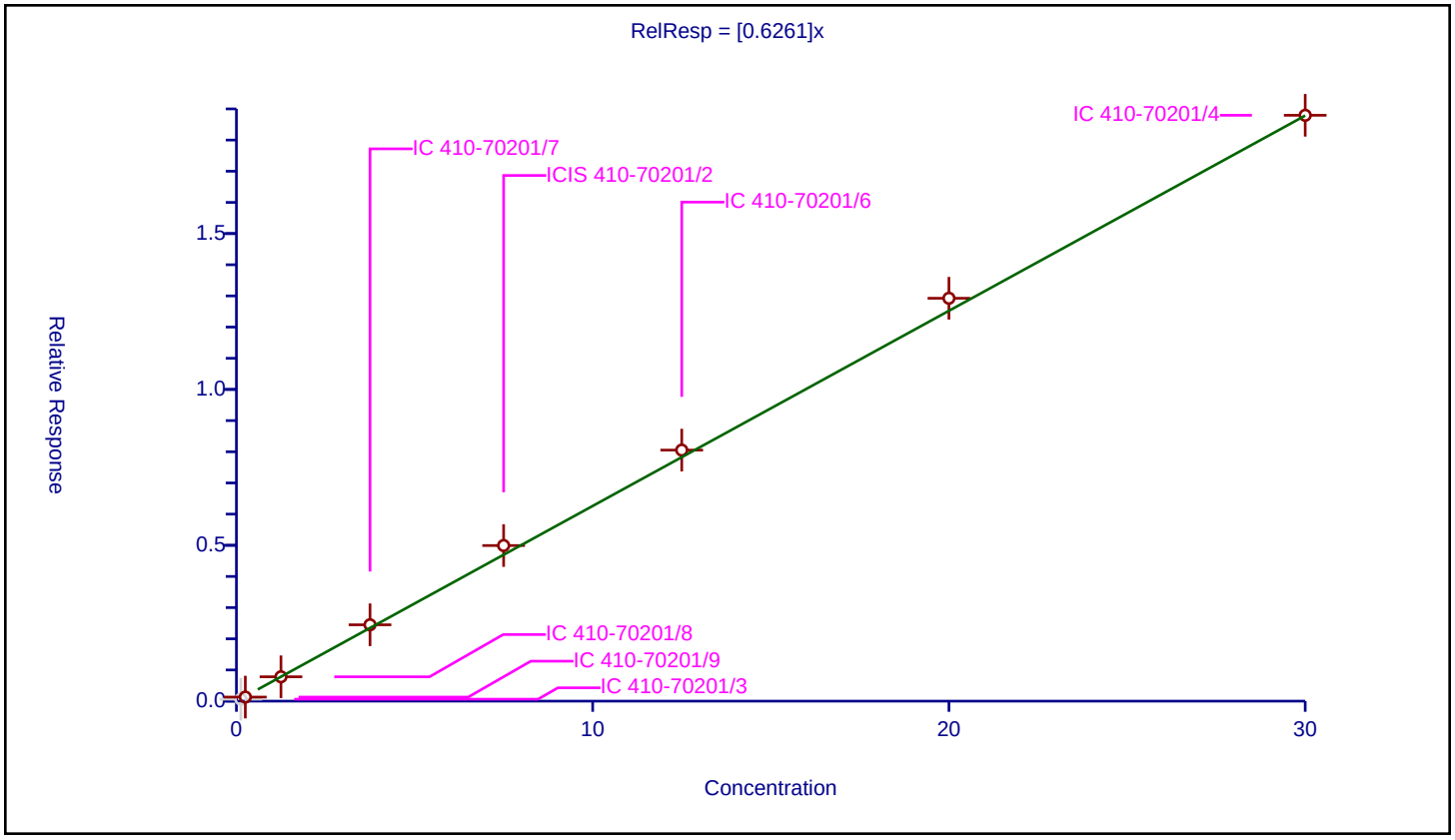
Curve Coefficients

Intercept:	0
Slope:	0.6261

Error Coefficients

Standard Error:	618000
Relative Standard Error:	7.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.062896	5.0	280621.0	0.50317	N
2	IC 410-70201/9	0.25	0.130518	5.0	290266.0	0.522073	Y
3	IC 410-70201/8	1.25	0.781384	5.0	284124.0	0.625107	Y
4	IC 410-70201/7	3.75	2.449496	5.0	291115.0	0.653199	Y
5	ICIS 410-70201/2	7.5	4.99208	5.0	283462.0	0.665611	Y
6	IC 410-70201/6	12.5	8.053771	5.0	333617.0	0.644302	Y
7	IC 410-70201/5	20.0	12.925098	5.0	307947.0	0.646255	Y
8	IC 410-70201/4	30.0	18.794614	5.0	299124.0	0.626487	Y



Calibration / Ethyl methanesulfonate

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

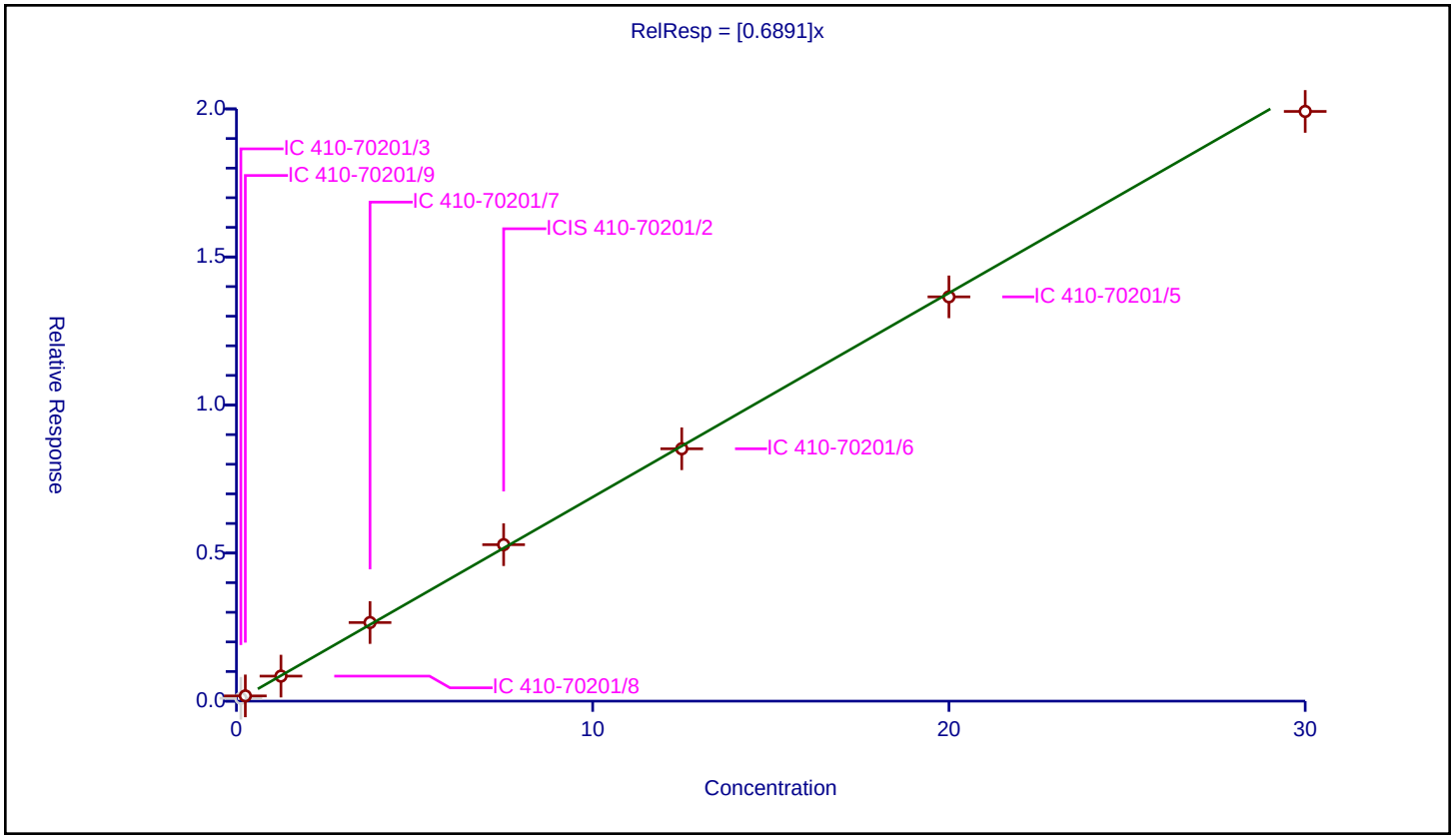
Curve Coefficients

Intercept:	0
Slope:	0.6891

Error Coefficients

Standard Error:	654000
Relative Standard Error:	2.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.096981	5.0	280621.0	0.775851	N
2	IC 410-70201/9	0.25	0.176752	5.0	290266.0	0.707007	Y
3	IC 410-70201/8	1.25	0.845353	5.0	284124.0	0.676282	Y
4	IC 410-70201/7	3.75	2.654655	5.0	291115.0	0.707908	Y
5	ICIS 410-70201/2	7.5	5.283424	5.0	283462.0	0.704457	Y
6	IC 410-70201/6	12.5	8.522872	5.0	333617.0	0.68183	Y
7	IC 410-70201/5	20.0	13.653031	5.0	307947.0	0.682652	Y
8	IC 410-70201/4	30.0	19.914651	5.0	299124.0	0.663822	Y



Calibration / Benzaldehyde

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

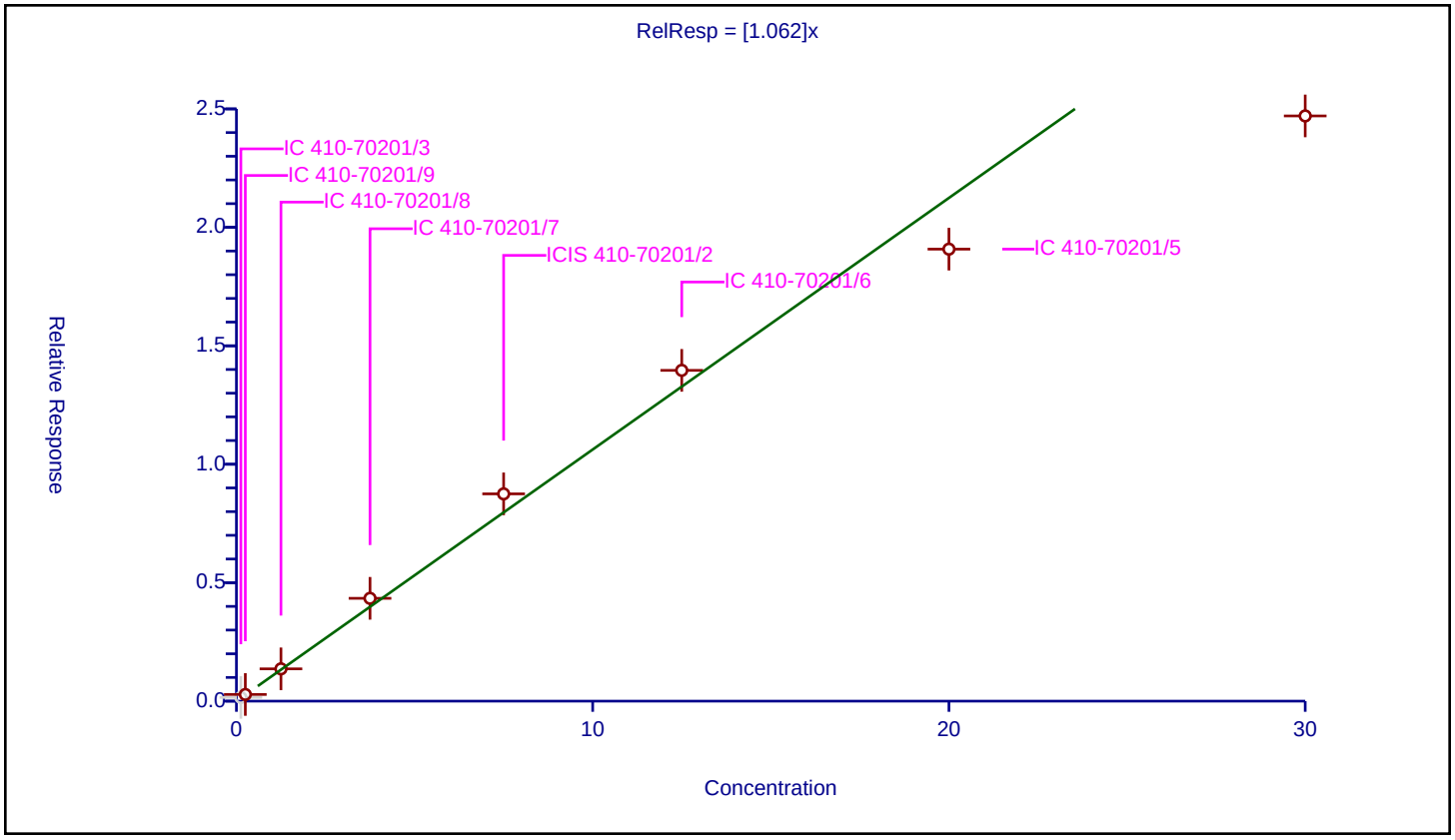
Curve Coefficients

Intercept:	0
Slope:	1.062

Error Coefficients

Standard Error:	890000
Relative Standard Error:	11.9
Correlation Coefficient:	0.959
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.157241	5.0	280621.0	1.257924	N
2	IC 410-70201/9	0.25	0.281449	5.0	290266.0	1.125795	Y
3	IC 410-70201/8	1.25	1.363049	5.0	284124.0	1.090439	Y
4	IC 410-70201/7	3.75	4.339934	5.0	291115.0	1.157316	Y
5	ICIS 410-70201/2	7.5	8.749145	5.0	283462.0	1.166553	Y
6	IC 410-70201/6	12.5	13.963317	5.0	333617.0	1.117065	Y
7	IC 410-70201/5	20.0	19.080053	5.0	307947.0	0.954003	Y
8	IC 410-70201/4	30.0	24.703217	5.0	299124.0	0.823441	Y



Calibration / Phenol-d5

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

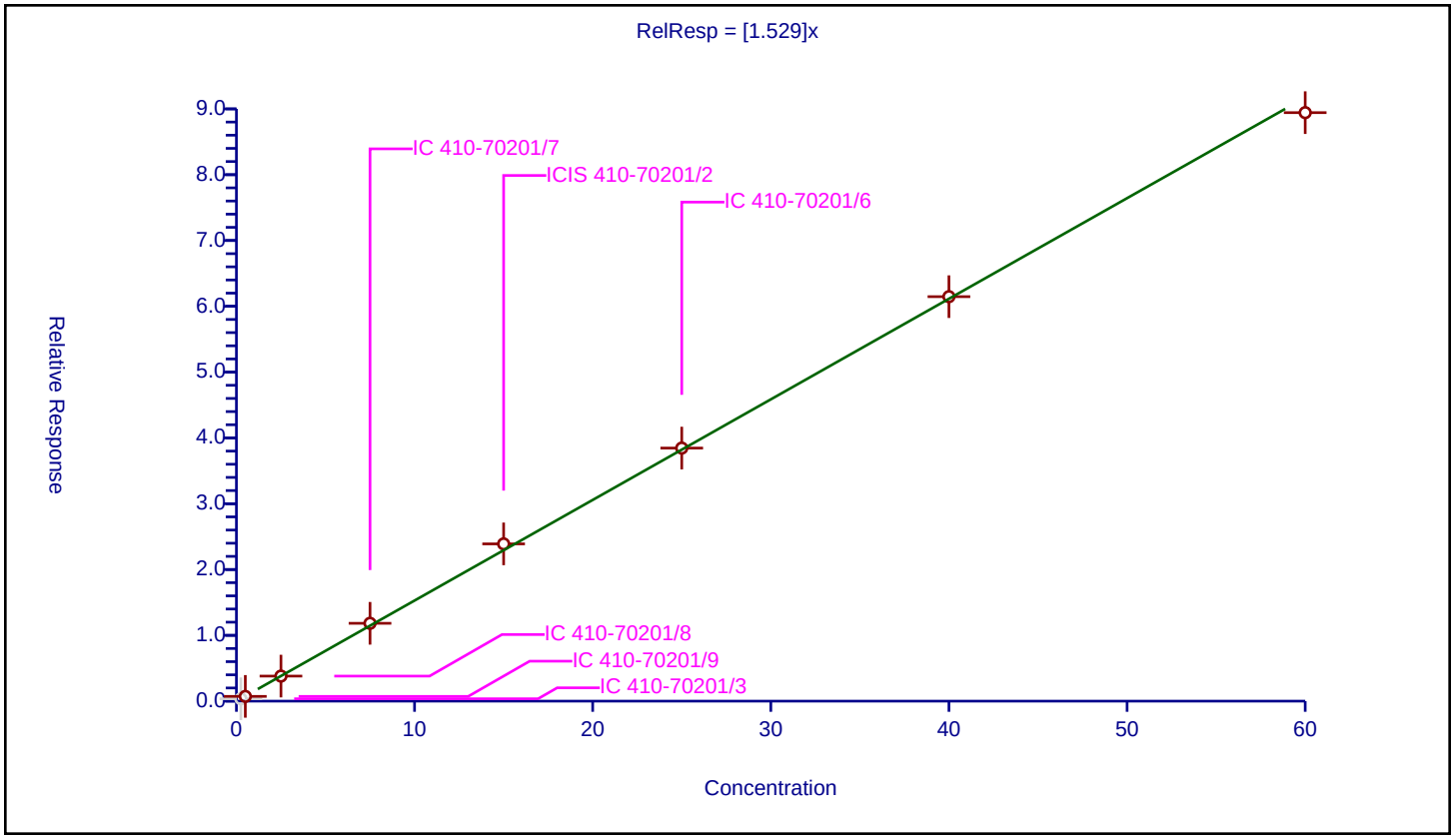
Curve Coefficients

Intercept:	0
Slope:	1.529

Error Coefficients

Standard Error:	2940000
Relative Standard Error:	3.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.25	0.362642	5.0	280621.0	1.450569	N
2	IC 410-70201/9	0.5	0.720684	5.0	290266.0	1.441368	Y
3	IC 410-70201/8	2.5	3.808108	5.0	284124.0	1.523243	Y
4	IC 410-70201/7	7.5	11.829878	5.0	291115.0	1.577317	Y
5	ICIS 410-70201/2	15.0	23.897718	5.0	283462.0	1.593181	Y
6	IC 410-70201/6	25.0	38.454485	5.0	333617.0	1.538179	Y
7	IC 410-70201/5	40.0	61.465934	5.0	307947.0	1.536648	Y
8	IC 410-70201/4	60.0	89.429133	5.0	299124.0	1.490486	Y



Calibration / Phenol

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

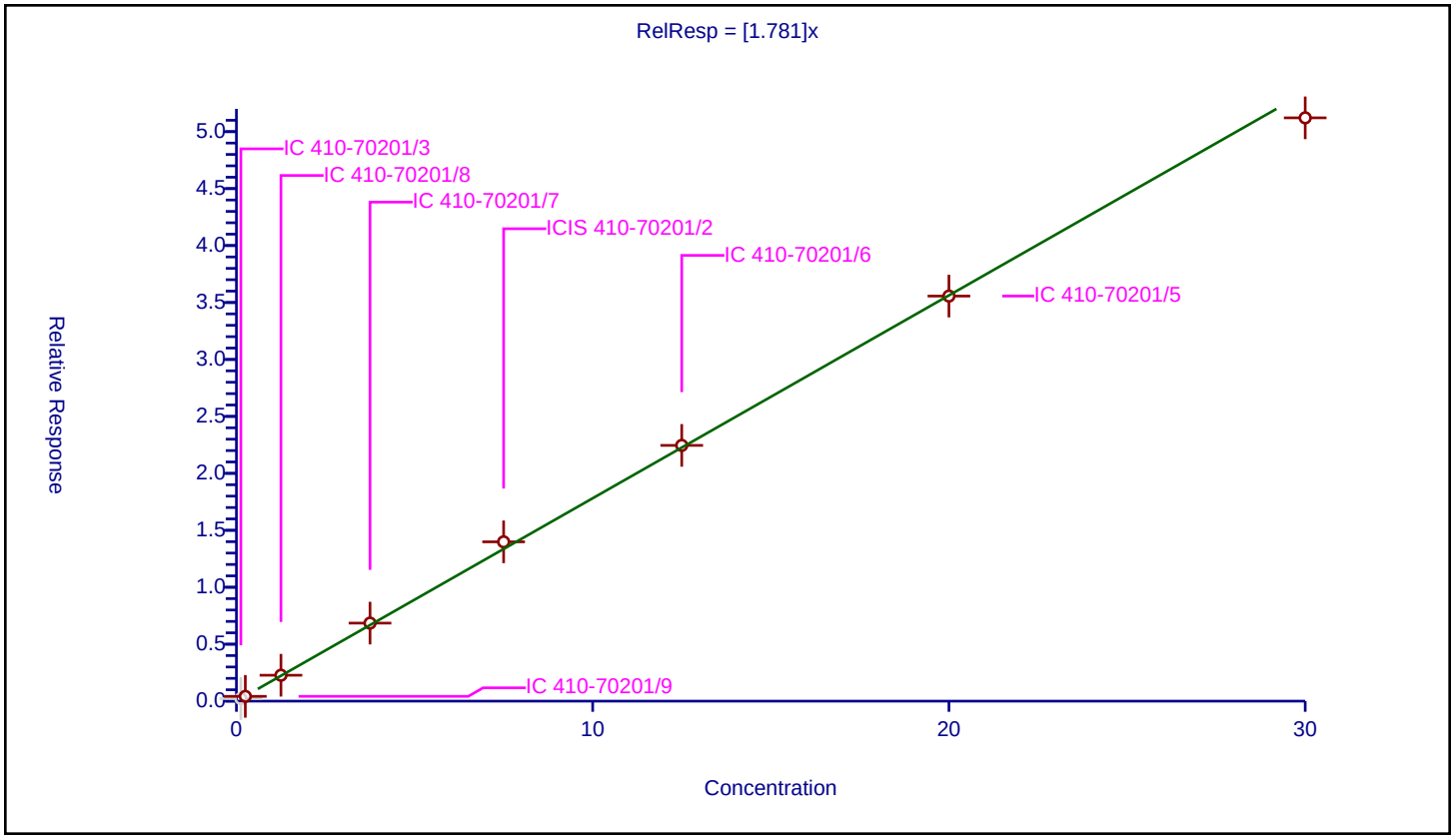
Curve Coefficients

Intercept:	0
Slope:	1.781

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	3.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.228511	5.0	280621.0	1.828088	N
2	IC 410-70201/9	0.25	0.418788	5.0	290266.0	1.675153	Y
3	IC 410-70201/8	1.25	2.275204	5.0	284124.0	1.820163	Y
4	IC 410-70201/7	3.75	6.851141	5.0	291115.0	1.826971	Y
5	ICIS 410-70201/2	7.5	13.98736	5.0	283462.0	1.864981	Y
6	IC 410-70201/6	12.5	22.455435	5.0	333617.0	1.796435	Y
7	IC 410-70201/5	20.0	35.564821	5.0	307947.0	1.778241	Y
8	IC 410-70201/4	30.0	51.214145	5.0	299124.0	1.707138	Y



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

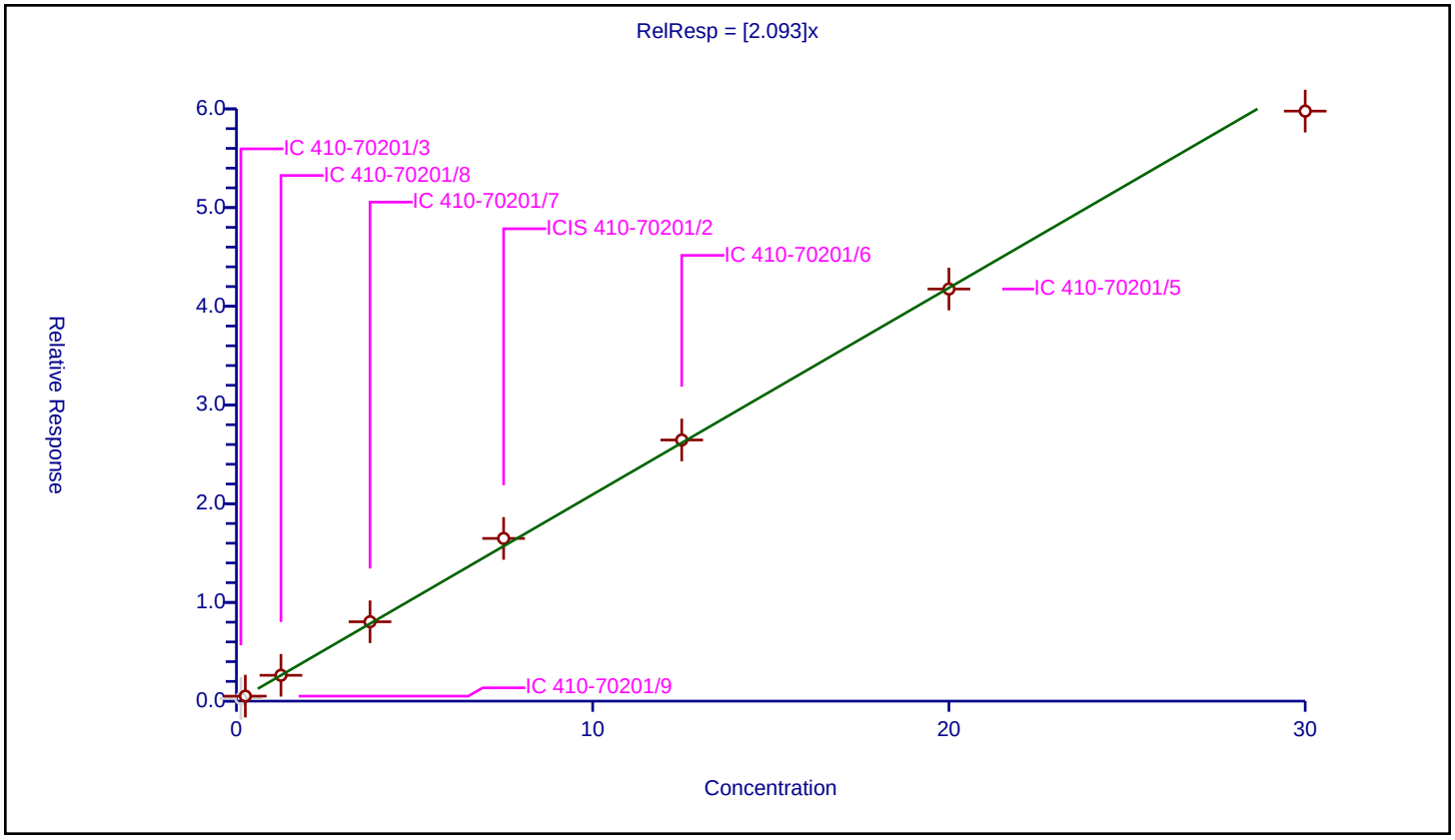
Curve Coefficients

Intercept:	0
Slope:	2.093

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	3.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.262507	5.0	280621.0	2.100057	N
2	IC 410-70201/9	0.25	0.505192	5.0	290266.0	2.020767	Y
3	IC 410-70201/8	1.25	2.617959	5.0	284124.0	2.094367	Y
4	IC 410-70201/7	3.75	8.041255	5.0	291115.0	2.144335	Y
5	ICIS 410-70201/2	7.5	16.485878	5.0	283462.0	2.198117	Y
6	IC 410-70201/6	12.5	26.45745	5.0	333617.0	2.116596	Y
7	IC 410-70201/5	20.0	41.751178	5.0	307947.0	2.087559	Y
8	IC 410-70201/4	30.0	59.774909	5.0	299124.0	1.992497	Y



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

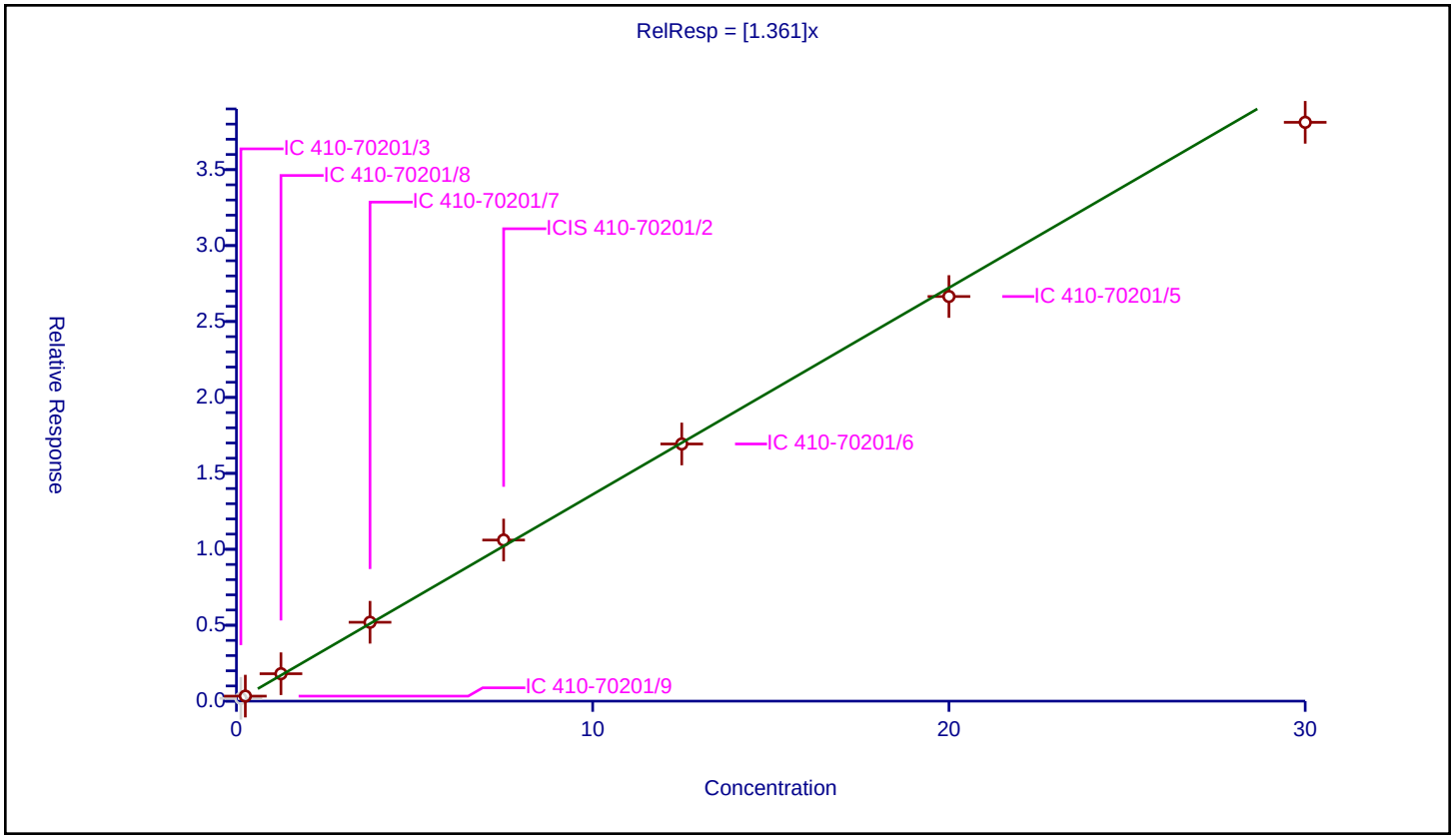
Curve Coefficients

Intercept:	0
Slope:	1.361

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	4.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.183664	5.0	280621.0	1.469313	N
2	IC 410-70201/9	0.25	0.331351	5.0	290266.0	1.325405	Y
3	IC 410-70201/8	1.25	1.805303	5.0	284124.0	1.444243	Y
4	IC 410-70201/7	3.75	5.193927	5.0	291115.0	1.385047	Y
5	ICIS 410-70201/2	7.5	10.608635	5.0	283462.0	1.414485	Y
6	IC 410-70201/6	12.5	16.934928	5.0	333617.0	1.354794	Y
7	IC 410-70201/5	20.0	26.645998	5.0	307947.0	1.3323	Y
8	IC 410-70201/4	30.0	38.116634	5.0	299124.0	1.270554	Y



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

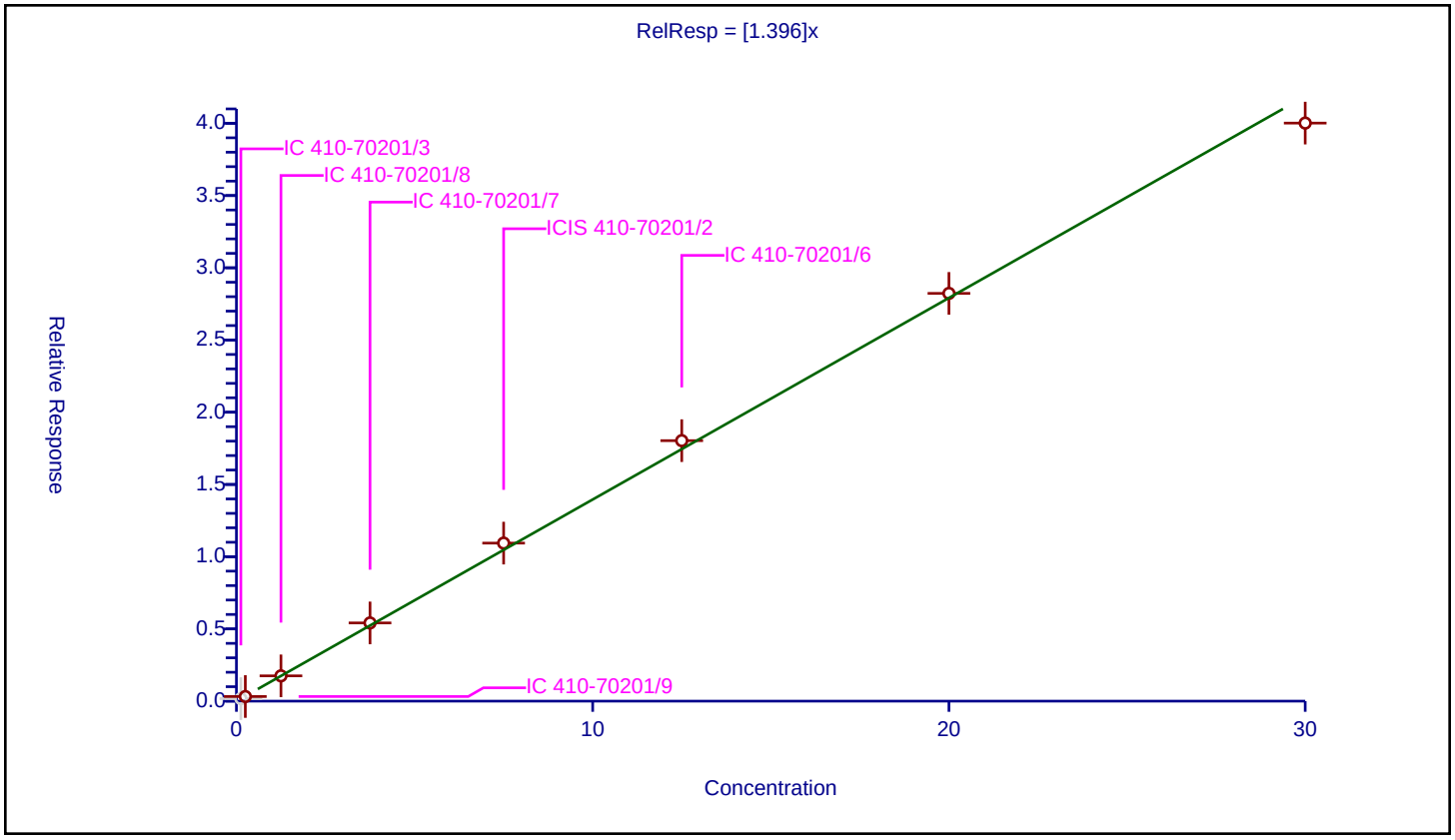
Curve Coefficients

Intercept:	0
Slope:	1.396

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	4.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.174631	5.0	280621.0	1.397044	N
2	IC 410-70201/9	0.25	0.319776	5.0	290266.0	1.279103	Y
3	IC 410-70201/8	1.25	1.750451	5.0	284124.0	1.40036	Y
4	IC 410-70201/7	3.75	5.414819	5.0	291115.0	1.443952	Y
5	ICIS 410-70201/2	7.5	10.940585	5.0	283462.0	1.458745	Y
6	IC 410-70201/6	12.5	18.034063	5.0	333617.0	1.442725	Y
7	IC 410-70201/5	20.0	28.22752	5.0	307947.0	1.411376	Y
8	IC 410-70201/4	30.0	40.017451	5.0	299124.0	1.333915	Y



Calibration / 1,3-Dichlorobenzene

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

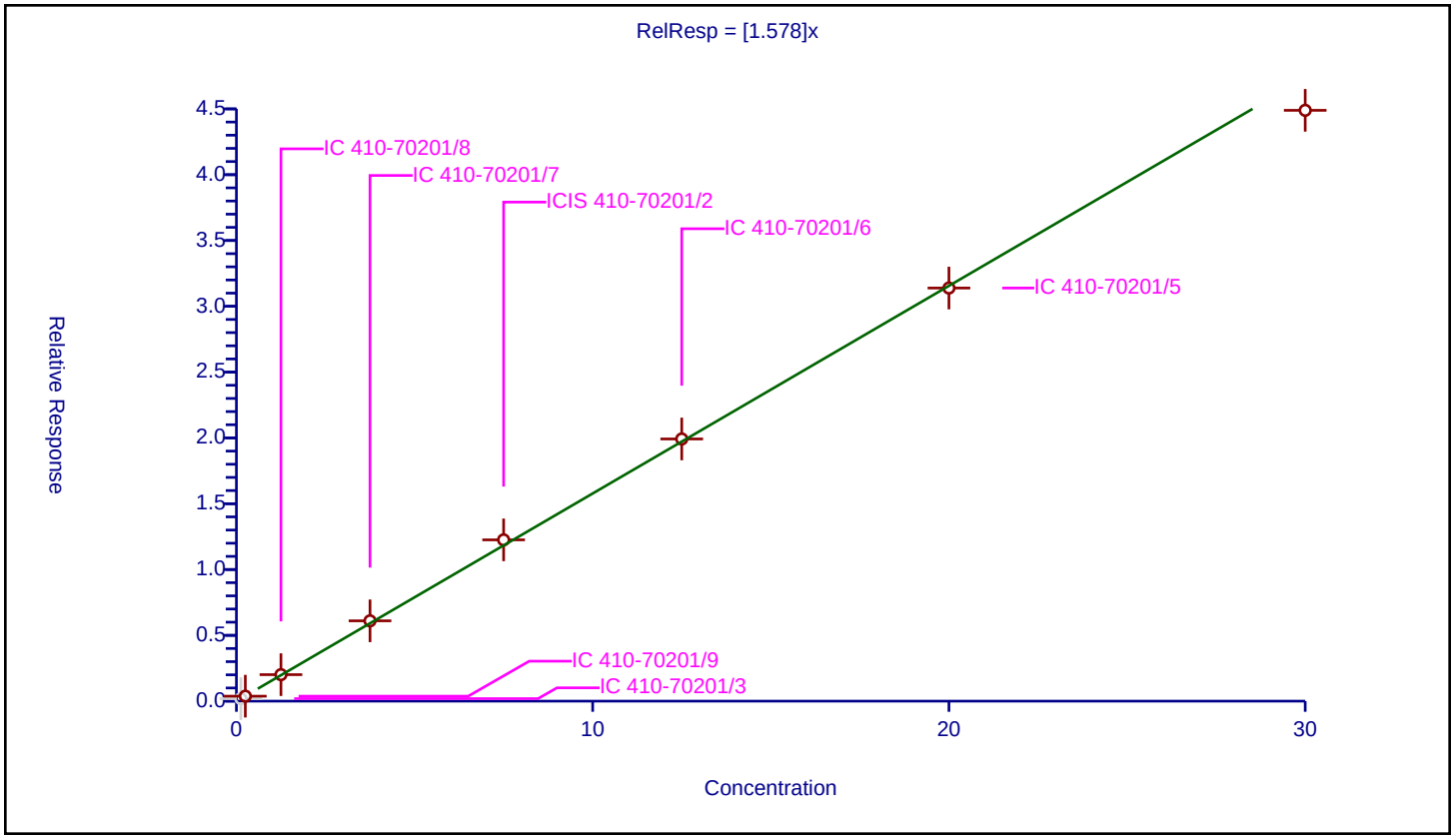
Curve Coefficients

Intercept:	0
Slope:	1.578

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	3.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.190577	5.0	280621.0	1.524619	N
2	IC 410-70201/9	0.25	0.378377	5.0	290266.0	1.513508	Y
3	IC 410-70201/8	1.25	2.01273	5.0	284124.0	1.610184	Y
4	IC 410-70201/7	3.75	6.101523	5.0	291115.0	1.627073	Y
5	ICIS 410-70201/2	7.5	12.255311	5.0	283462.0	1.634041	Y
6	IC 410-70201/6	12.5	19.919533	5.0	333617.0	1.593563	Y
7	IC 410-70201/5	20.0	31.389038	5.0	307947.0	1.569452	Y
8	IC 410-70201/4	30.0	44.891366	5.0	299124.0	1.496379	Y



Calibration / 1,4-Dichlorobenzene

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

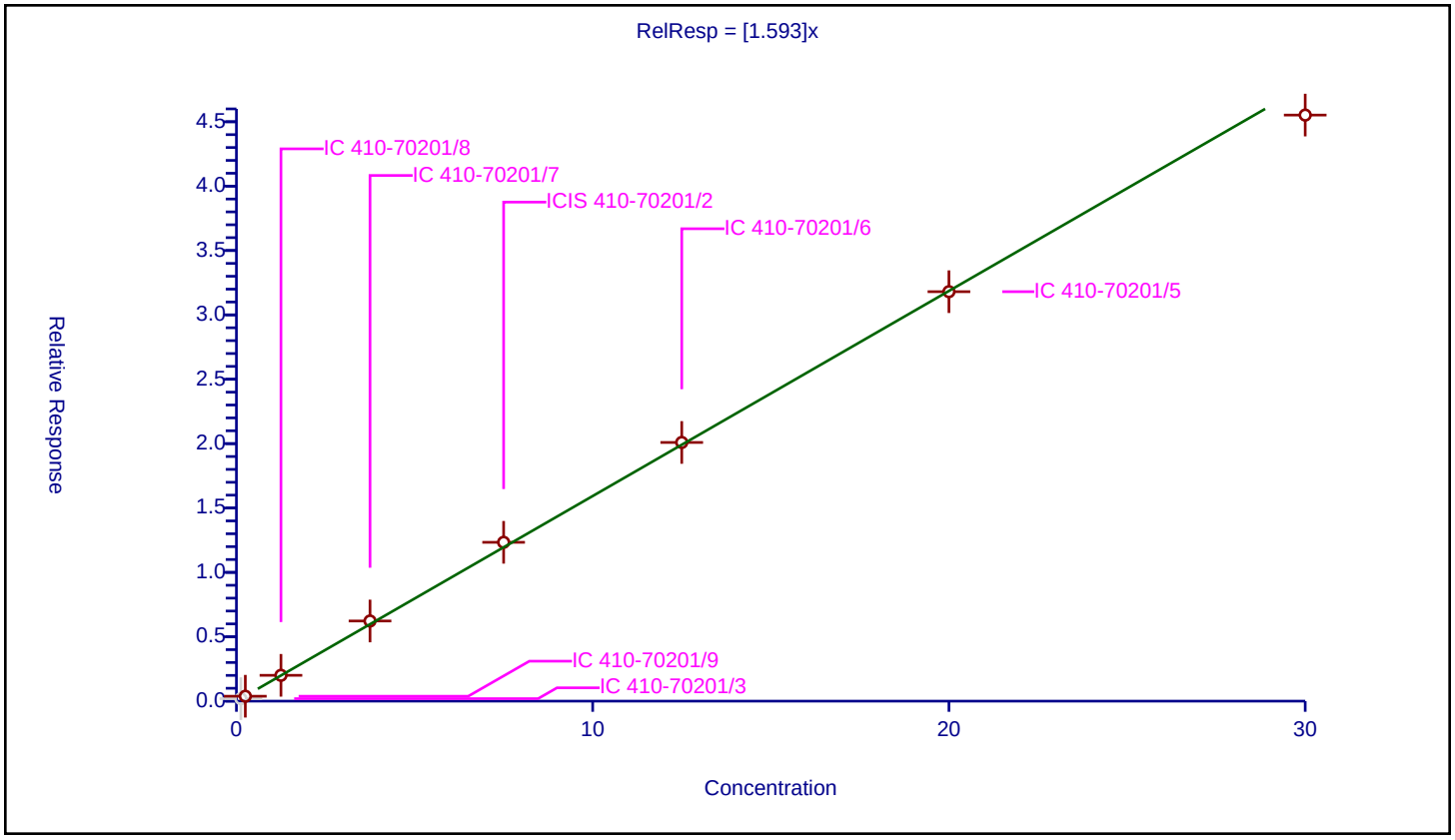
Curve Coefficients

Intercept:	0
Slope:	1.593

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	3.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.192573	5.0	280621.0	1.540583	N
2	IC 410-70201/9	0.25	0.381667	5.0	290266.0	1.526669	Y
3	IC 410-70201/8	1.25	2.005797	5.0	284124.0	1.604637	Y
4	IC 410-70201/7	3.75	6.225718	5.0	291115.0	1.660192	Y
5	ICIS 410-70201/2	7.5	12.337086	5.0	283462.0	1.644945	Y
6	IC 410-70201/6	12.5	20.092876	5.0	333617.0	1.60743	Y
7	IC 410-70201/5	20.0	31.803362	5.0	307947.0	1.590168	Y
8	IC 410-70201/4	30.0	45.51925	5.0	299124.0	1.517308	Y



Calibration / Benzyl alcohol

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

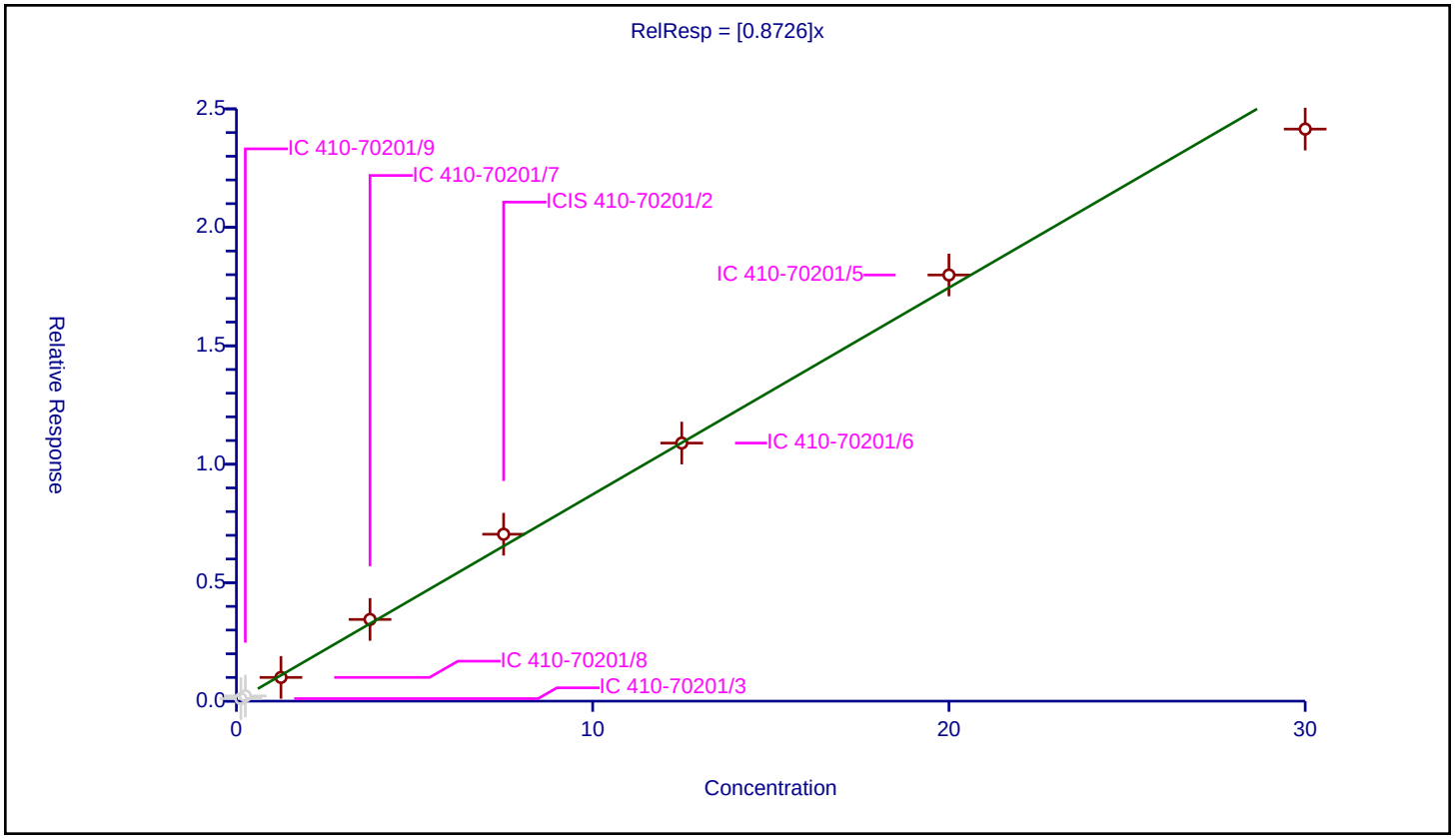
Curve Coefficients

Intercept:	0
Slope:	0.8726

Error Coefficients

Standard Error:	900000
Relative Standard Error:	6.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.106888	5.0	280621.0	0.855104	N
2	IC 410-70201/9	0.25	0.218885	5.0	290266.0	0.875542	N
3	IC 410-70201/8	1.25	1.001059	5.0	284124.0	0.800848	Y
4	IC 410-70201/7	3.75	3.448551	5.0	291115.0	0.919614	Y
5	ICIS 410-70201/2	7.5	7.045689	5.0	283462.0	0.939425	Y
6	IC 410-70201/6	12.5	10.893615	5.0	333617.0	0.871489	Y
7	IC 410-70201/5	20.0	17.988777	5.0	307947.0	0.899439	Y
8	IC 410-70201/4	30.0	24.147711	5.0	299124.0	0.804924	Y



Calibration / 1,2-Dichlorobenzene

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

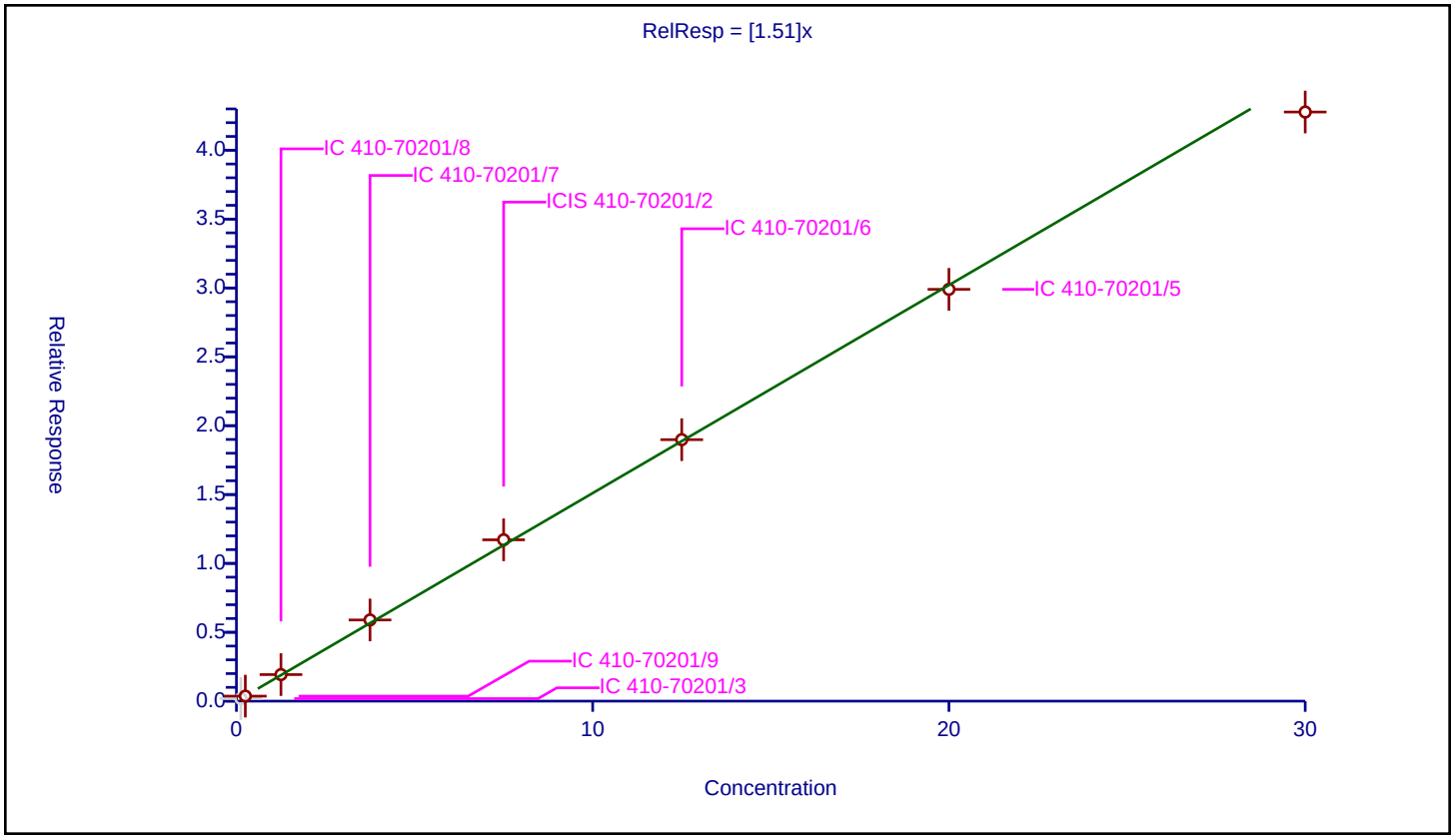
Curve Coefficients

Intercept:	0
Slope:	1.51

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	3.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.185196	5.0	280621.0	1.481571	N
2	IC 410-70201/9	0.25	0.364545	5.0	290266.0	1.45818	Y
3	IC 410-70201/8	1.25	1.926588	5.0	284124.0	1.541271	Y
4	IC 410-70201/7	3.75	5.893444	5.0	291115.0	1.571585	Y
5	ICIS 410-70201/2	7.5	11.713792	5.0	283462.0	1.561839	Y
6	IC 410-70201/6	12.5	18.985483	5.0	333617.0	1.518839	Y
7	IC 410-70201/5	20.0	29.898213	5.0	307947.0	1.494911	Y
8	IC 410-70201/4	30.0	42.77288	5.0	299124.0	1.425763	Y



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

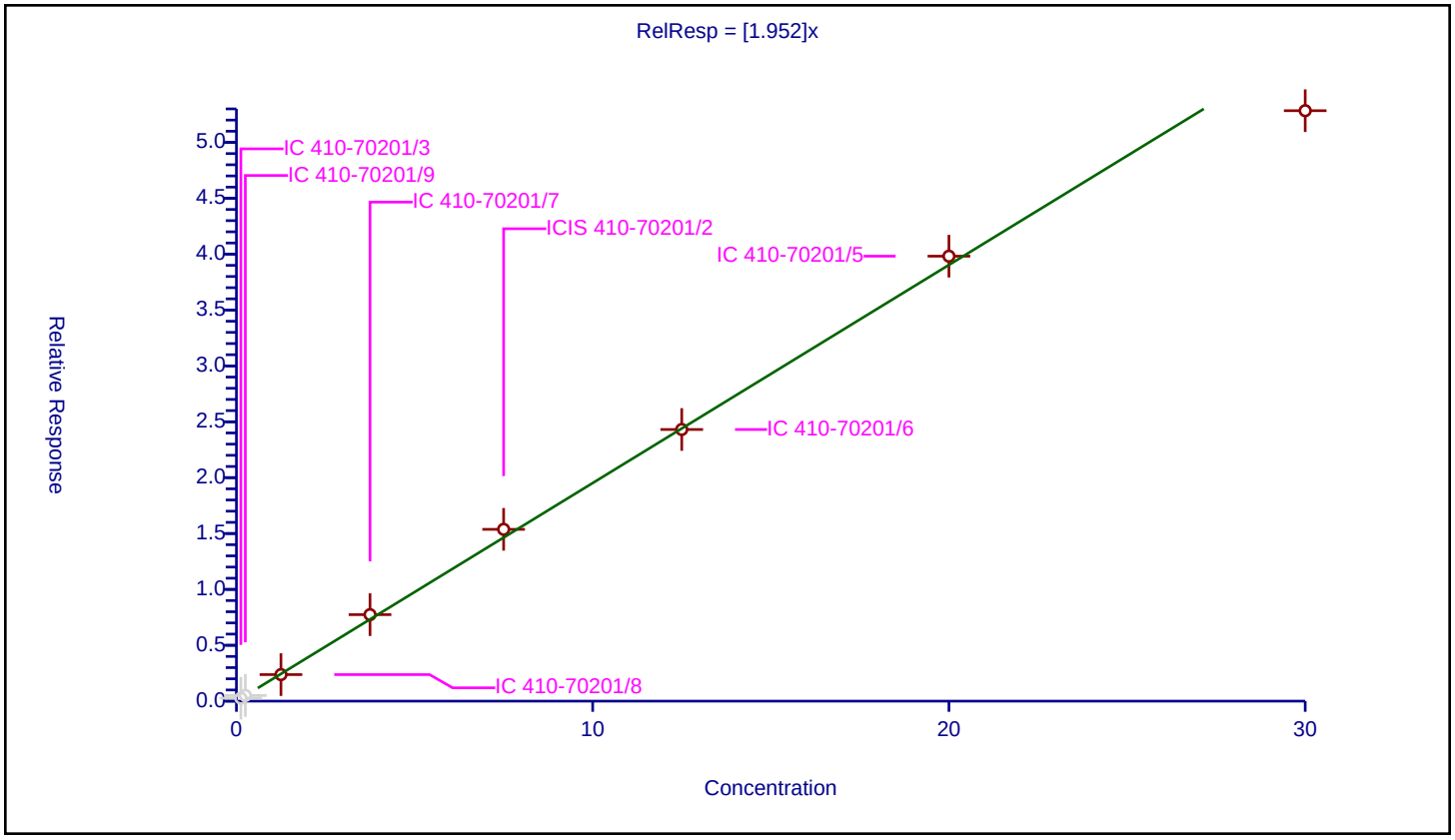
Curve Coefficients

Intercept:	0
Slope:	1.952

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	5.7
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.268423	5.0	280621.0	2.14738	N
2	IC 410-70201/9	0.25	0.506828	5.0	290266.0	2.027313	N
3	IC 410-70201/8	1.25	2.375002	5.0	284124.0	1.900001	Y
4	IC 410-70201/7	3.75	7.740755	5.0	291115.0	2.064201	Y
5	ICIS 410-70201/2	7.5	15.375094	5.0	283462.0	2.050013	Y
6	IC 410-70201/6	12.5	24.309103	5.0	333617.0	1.944728	Y
7	IC 410-70201/5	20.0	39.819255	5.0	307947.0	1.990963	Y
8	IC 410-70201/4	30.0	52.839007	5.0	299124.0	1.7613	Y



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

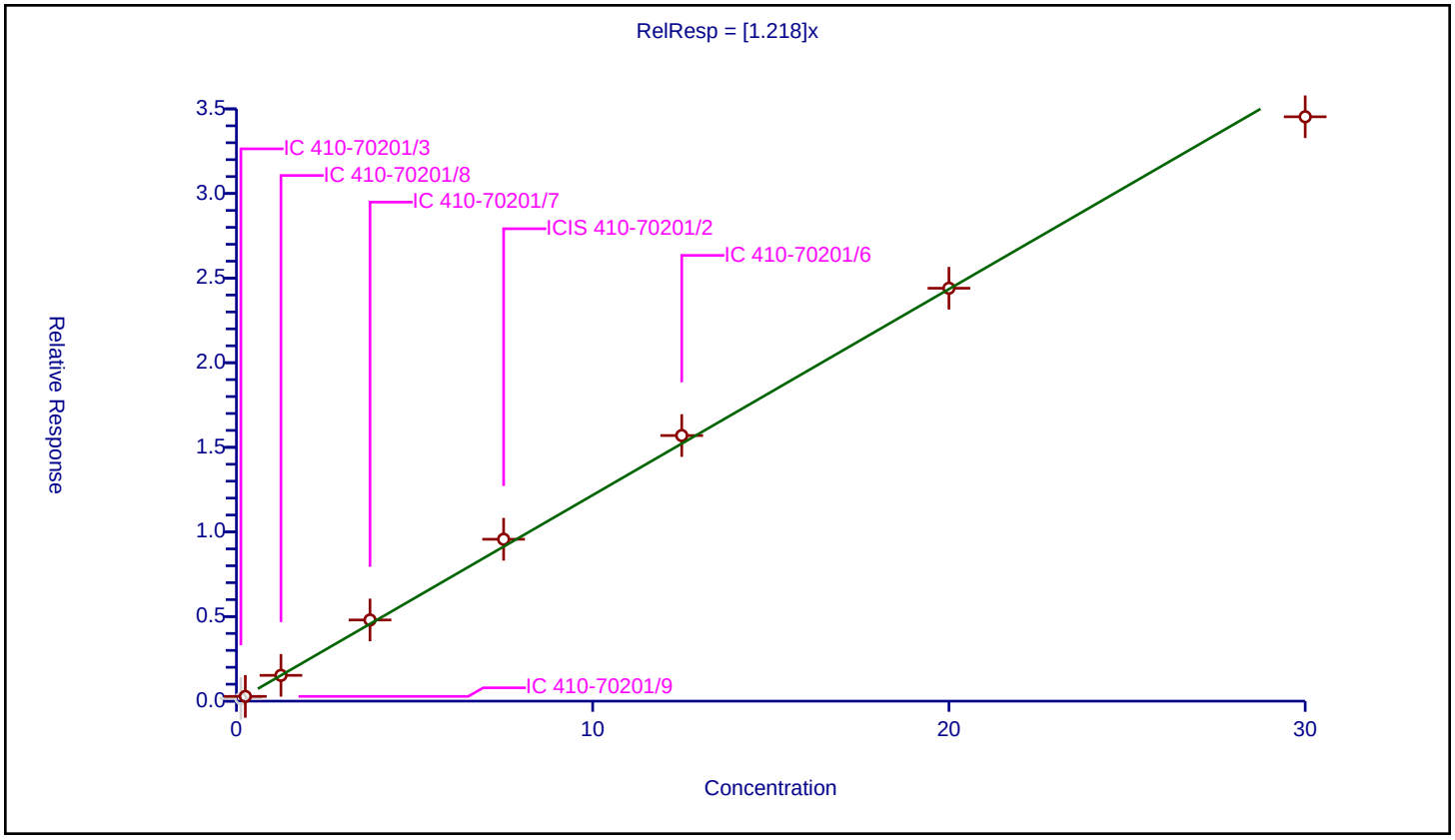
Curve Coefficients

Intercept:	0
Slope:	1.218

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	5.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.157027	5.0	280621.0	1.256214	N
2	IC 410-70201/9	0.25	0.280295	5.0	290266.0	1.121179	Y
3	IC 410-70201/8	1.25	1.524739	5.0	284124.0	1.219791	Y
4	IC 410-70201/7	3.75	4.796489	5.0	291115.0	1.279064	Y
5	ICIS 410-70201/2	7.5	9.567455	5.0	283462.0	1.275661	Y
6	IC 410-70201/6	12.5	15.696307	5.0	333617.0	1.255705	Y
7	IC 410-70201/5	20.0	24.402365	5.0	307947.0	1.220118	Y
8	IC 410-70201/4	30.0	34.533906	5.0	299124.0	1.15113	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

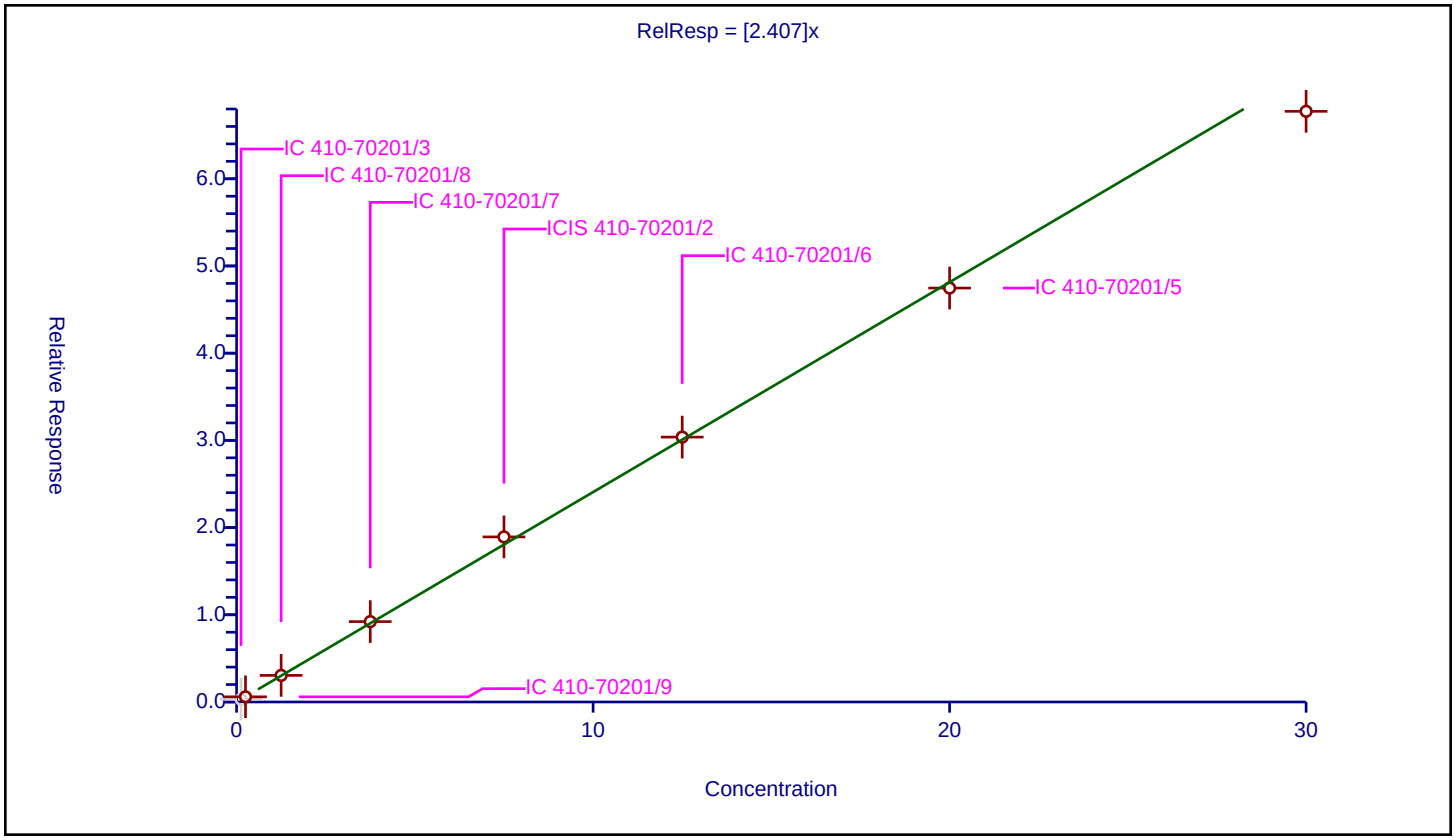
Curve Coefficients

Intercept:	0
Slope:	2.407

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	3.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.31514	5.0	280621.0	2.521123	N
2	IC 410-70201/9	0.25	0.591406	5.0	290266.0	2.365623	Y
3	IC 410-70201/8	1.25	3.049267	5.0	284124.0	2.439414	Y
4	IC 410-70201/7	3.75	9.219724	5.0	291115.0	2.458593	Y
5	ICIS 410-70201/2	7.5	18.929451	5.0	283462.0	2.523927	Y
6	IC 410-70201/6	12.5	30.378428	5.0	333617.0	2.430274	Y
7	IC 410-70201/5	20.0	47.468688	5.0	307947.0	2.373434	Y
8	IC 410-70201/4	30.0	67.73629	5.0	299124.0	2.257876	Y



Calibration / N-Nitrosopyrrolidine

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

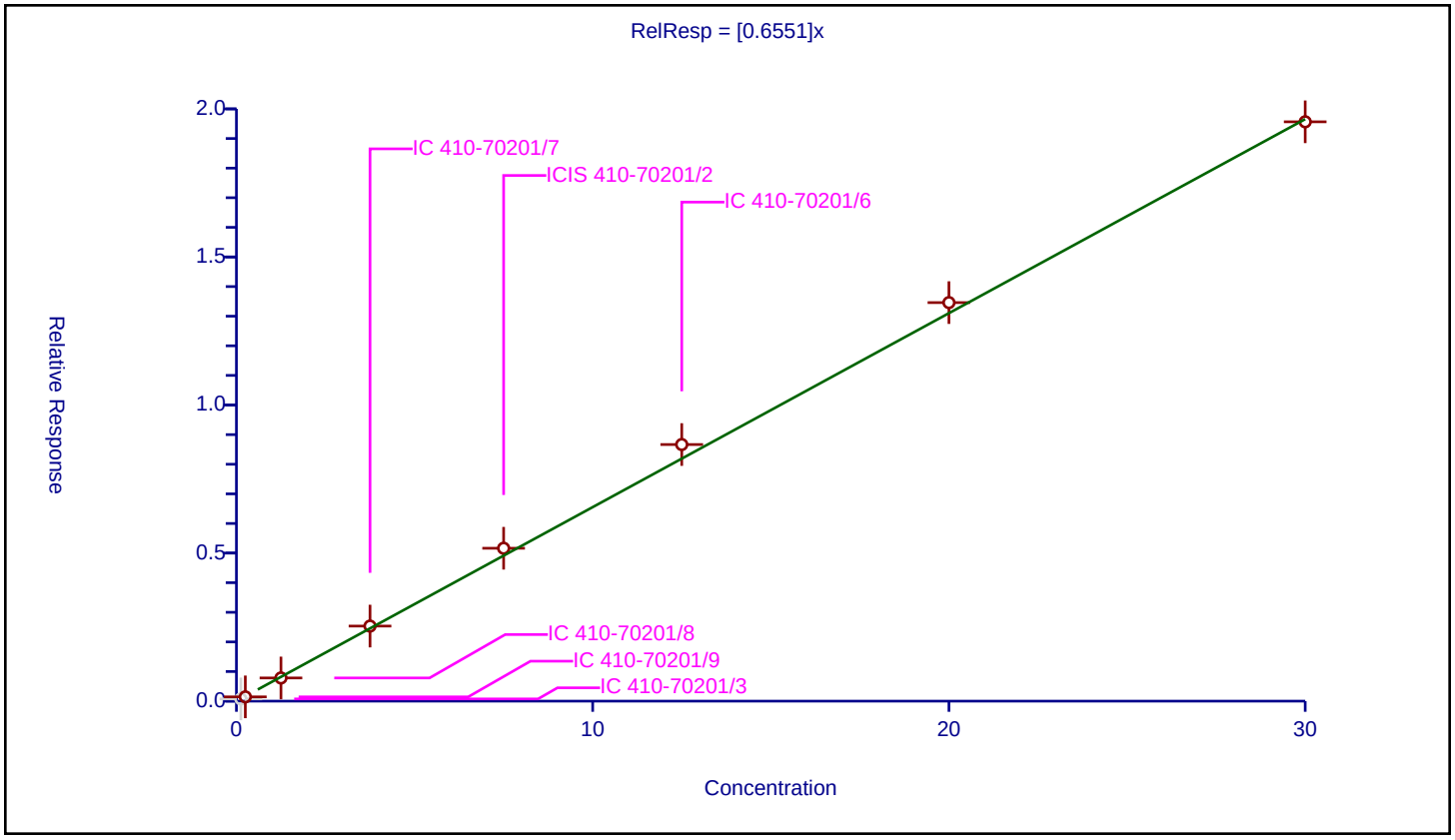
Curve Coefficients

Intercept:	0
Slope:	0.6551

Error Coefficients

Standard Error:	646000
Relative Standard Error:	6.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.075101	5.0	280621.0	0.60081	N
2	IC 410-70201/9	0.25	0.144109	5.0	290266.0	0.576437	Y
3	IC 410-70201/8	1.25	0.78325	5.0	284124.0	0.6266	Y
4	IC 410-70201/7	3.75	2.535012	5.0	291115.0	0.676003	Y
5	ICIS 410-70201/2	7.5	5.163373	5.0	283462.0	0.68845	Y
6	IC 410-70201/6	12.5	8.665641	5.0	333617.0	0.693251	Y
7	IC 410-70201/5	20.0	13.458907	5.0	307947.0	0.672945	Y
8	IC 410-70201/4	30.0	19.563643	5.0	299124.0	0.652121	Y



Calibration / Acetophenone

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

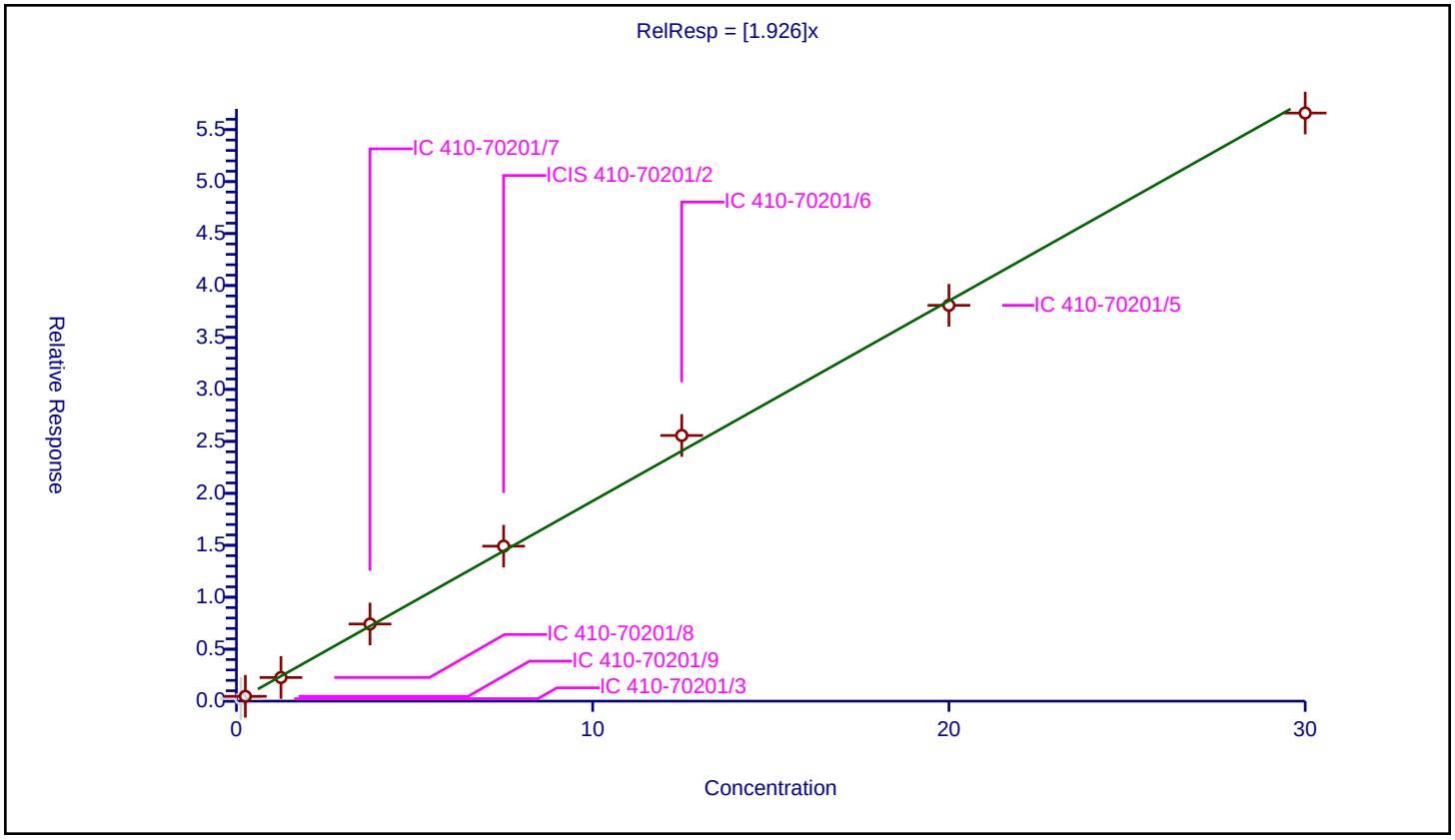
Curve Coefficients

Intercept:	0
Slope:	1.926

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	4.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.238845	5.0	280621.0	1.910762	N
2	IC 410-70201/9	0.25	0.464936	5.0	290266.0	1.859742	Y
3	IC 410-70201/8	1.25	2.27355	5.0	284124.0	1.81884	Y
4	IC 410-70201/7	3.75	7.424987	5.0	291115.0	1.979996	Y
5	ICIS 410-70201/2	7.5	14.913939	5.0	283462.0	1.988525	Y
6	IC 410-70201/6	12.5	25.567447	5.0	333617.0	2.045396	Y
7	IC 410-70201/5	20.0	38.095159	5.0	307947.0	1.904758	Y
8	IC 410-70201/4	30.0	56.600156	5.0	299124.0	1.886672	Y



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

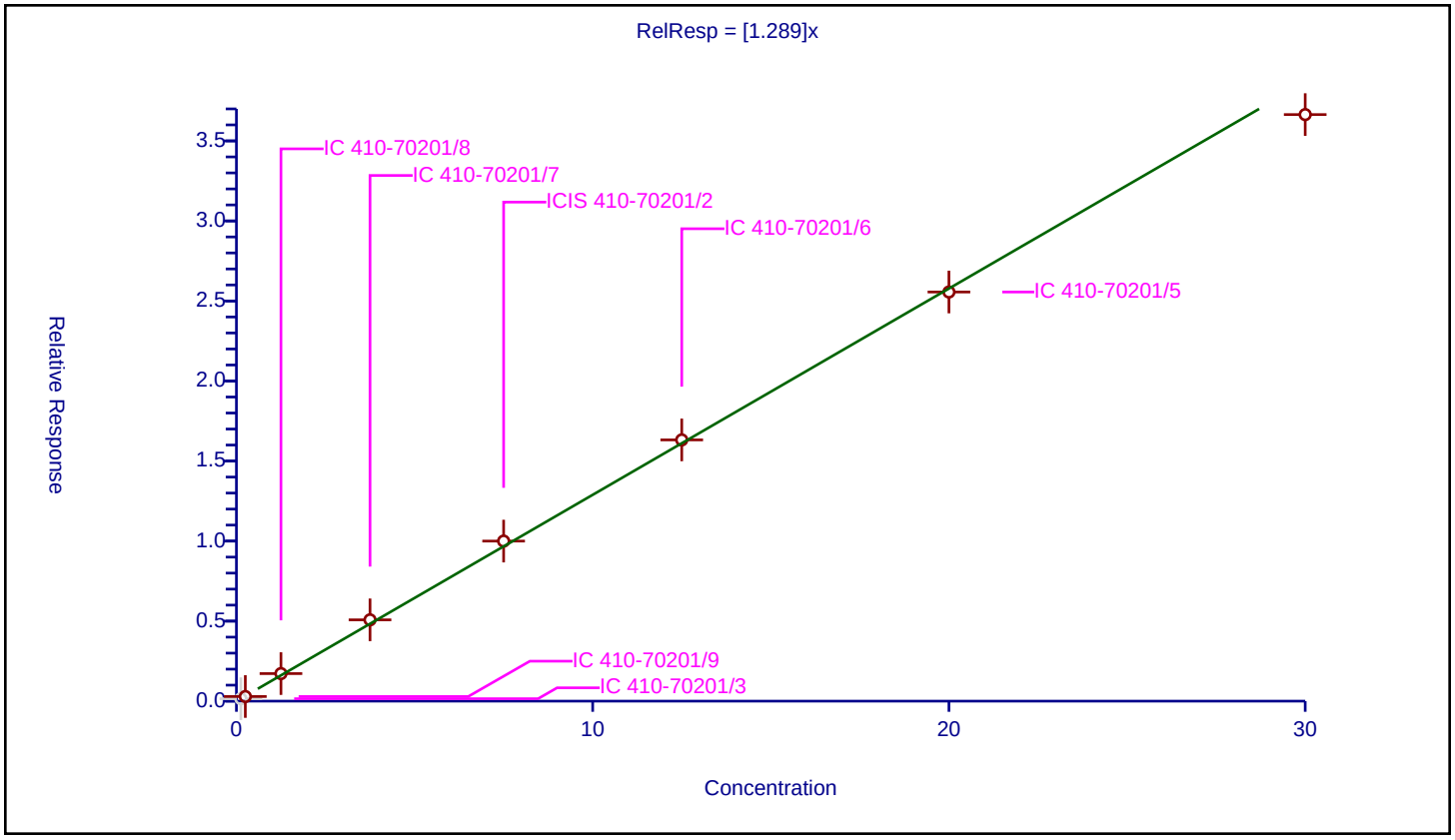
Curve Coefficients

Intercept:	0
Slope:	1.289

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	6.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.152697	5.0	280621.0	1.221576	N
2	IC 410-70201/9	0.25	0.288218	5.0	290266.0	1.152874	Y
3	IC 410-70201/8	1.25	1.720692	5.0	284124.0	1.376554	Y
4	IC 410-70201/7	3.75	5.078955	5.0	291115.0	1.354388	Y
5	ICIS 410-70201/2	7.5	9.998871	5.0	283462.0	1.333183	Y
6	IC 410-70201/6	12.5	16.319927	5.0	333617.0	1.305594	Y
7	IC 410-70201/5	20.0	25.560567	5.0	307947.0	1.278028	Y
8	IC 410-70201/4	30.0	36.644485	5.0	299124.0	1.221483	Y



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

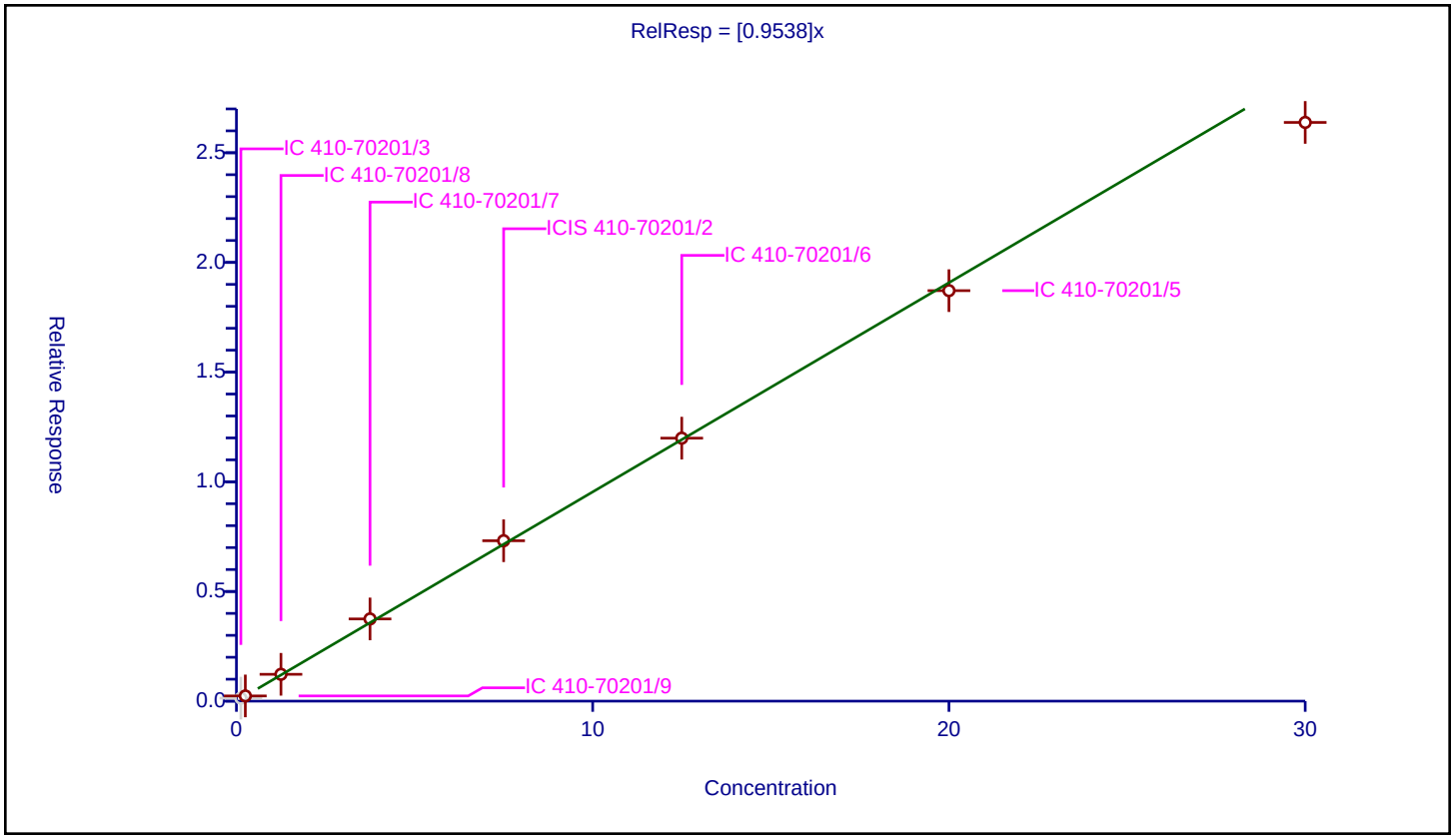
Curve Coefficients

Intercept:	0
Slope:	0.9538

Error Coefficients

Standard Error:	884000
Relative Standard Error:	4.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.136732	5.0	280621.0	1.09386	N
2	IC 410-70201/9	0.25	0.237265	5.0	290266.0	0.949061	Y
3	IC 410-70201/8	1.25	1.223656	5.0	284124.0	0.978925	Y
4	IC 410-70201/7	3.75	3.747883	5.0	291115.0	0.999436	Y
5	ICIS 410-70201/2	7.5	7.313008	5.0	283462.0	0.975068	Y
6	IC 410-70201/6	12.5	11.989272	5.0	333617.0	0.959142	Y
7	IC 410-70201/5	20.0	18.714405	5.0	307947.0	0.93572	Y
8	IC 410-70201/4	30.0	26.383206	5.0	299124.0	0.87944	Y



Calibration / N-Nitrosomorpholine

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

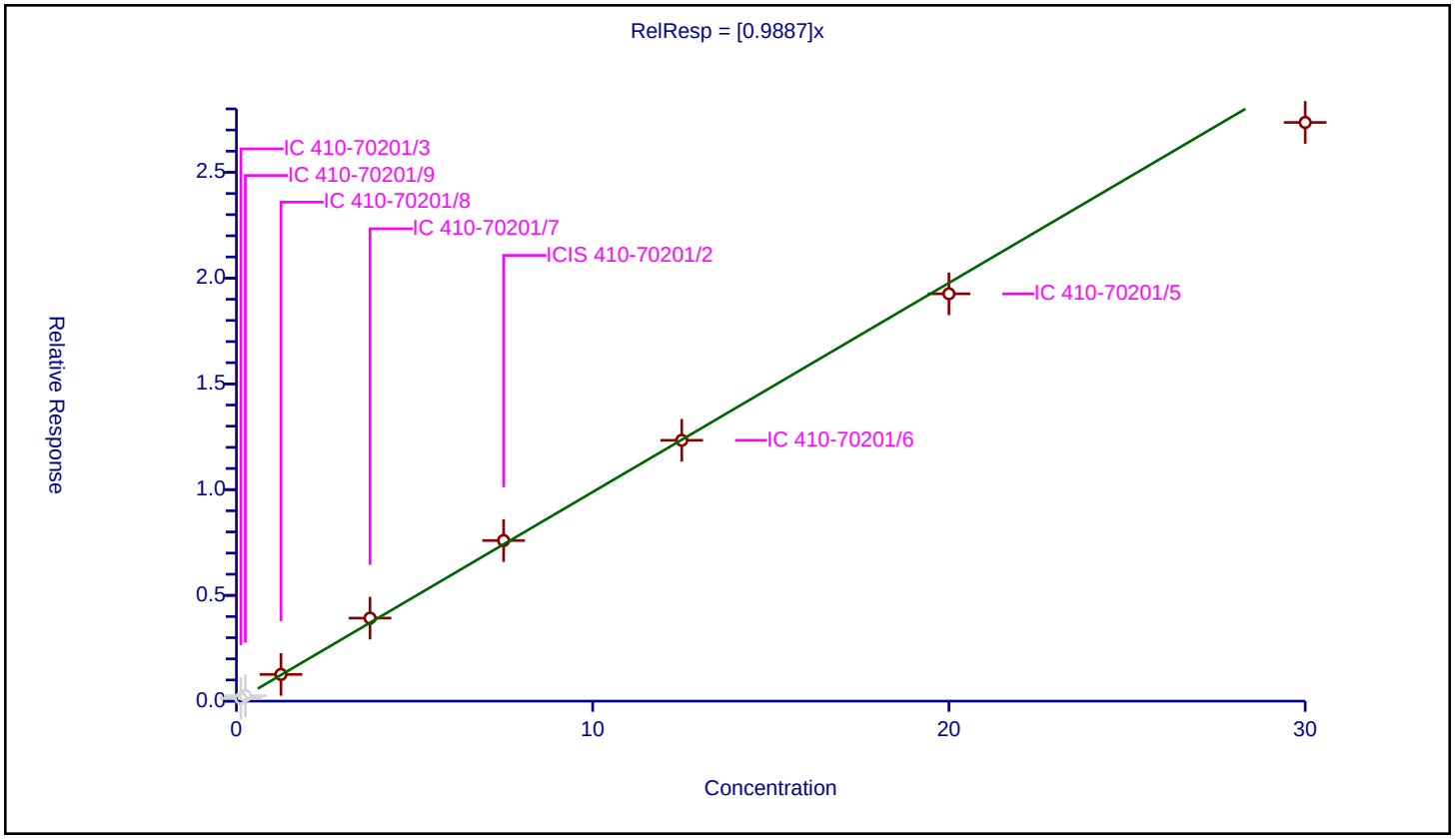
Curve Coefficients

Intercept:	0
Slope:	0.9887

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	4.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.129855	5.0	280621.0	1.038839	N
2	IC 410-70201/9	0.25	0.254784	5.0	290266.0	1.019134	N
3	IC 410-70201/8	1.25	1.26392	5.0	284124.0	1.011136	Y
4	IC 410-70201/7	3.75	3.925167	5.0	291115.0	1.046711	Y
5	ICIS 410-70201/2	7.5	7.594298	5.0	283462.0	1.012573	Y
6	IC 410-70201/6	12.5	12.332465	5.0	333617.0	0.986597	Y
7	IC 410-70201/5	20.0	19.258898	5.0	307947.0	0.962945	Y
8	IC 410-70201/4	30.0	27.358637	5.0	299124.0	0.911955	Y



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

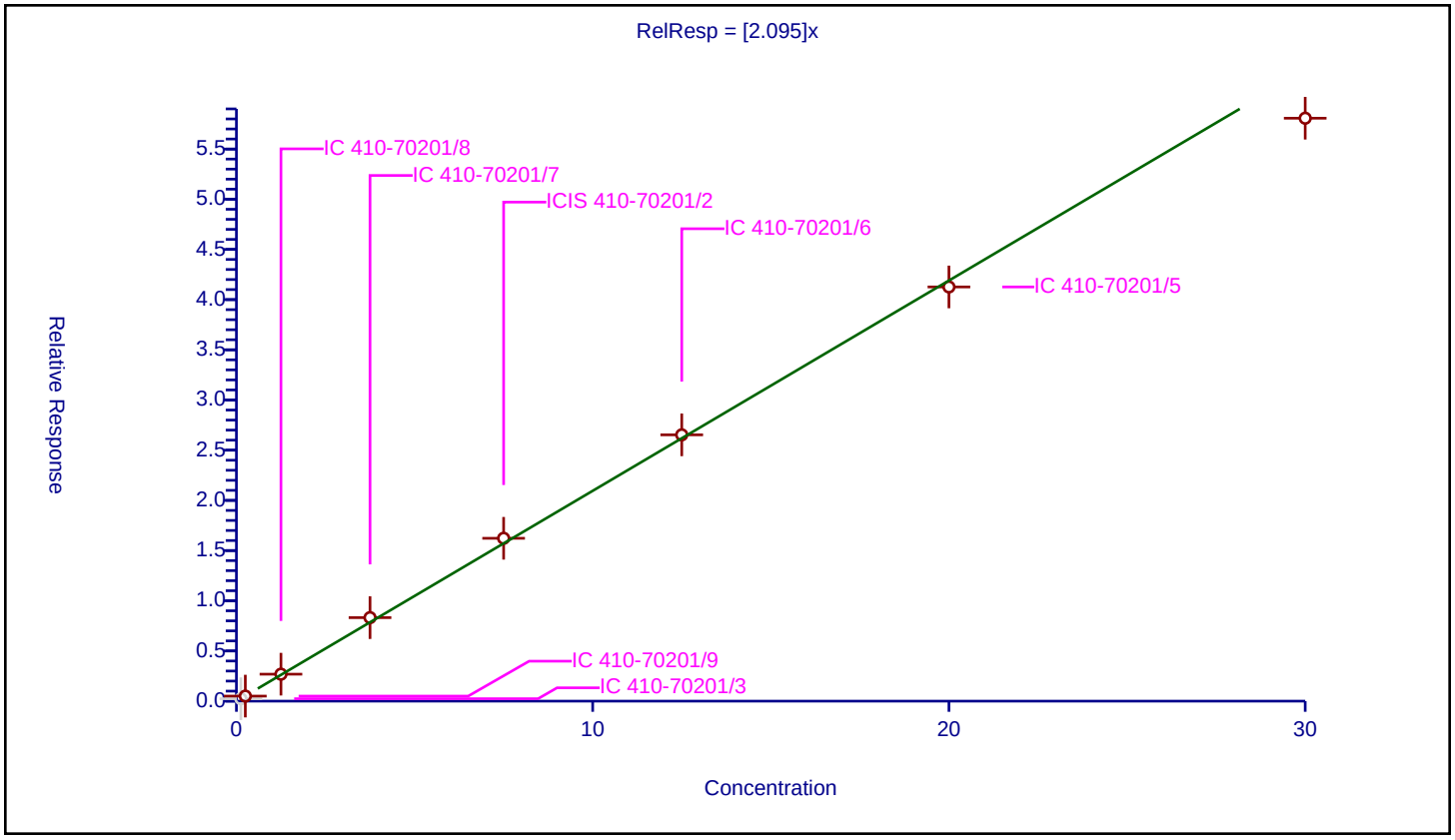
Curve Coefficients

Intercept:	0
Slope:	2.095

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	4.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.244066	5.0	280621.0	1.952527	N
2	IC 410-70201/9	0.25	0.50328	5.0	290266.0	2.013119	Y
3	IC 410-70201/8	1.25	2.686609	5.0	284124.0	2.149287	Y
4	IC 410-70201/7	3.75	8.318105	5.0	291115.0	2.218161	Y
5	ICIS 410-70201/2	7.5	16.224309	5.0	283462.0	2.163241	Y
6	IC 410-70201/6	12.5	26.529254	5.0	333617.0	2.12234	Y
7	IC 410-70201/5	20.0	41.263951	5.0	307947.0	2.063198	Y
8	IC 410-70201/4	30.0	58.070616	5.0	299124.0	1.935687	Y



Calibration / Hexachloroethane

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

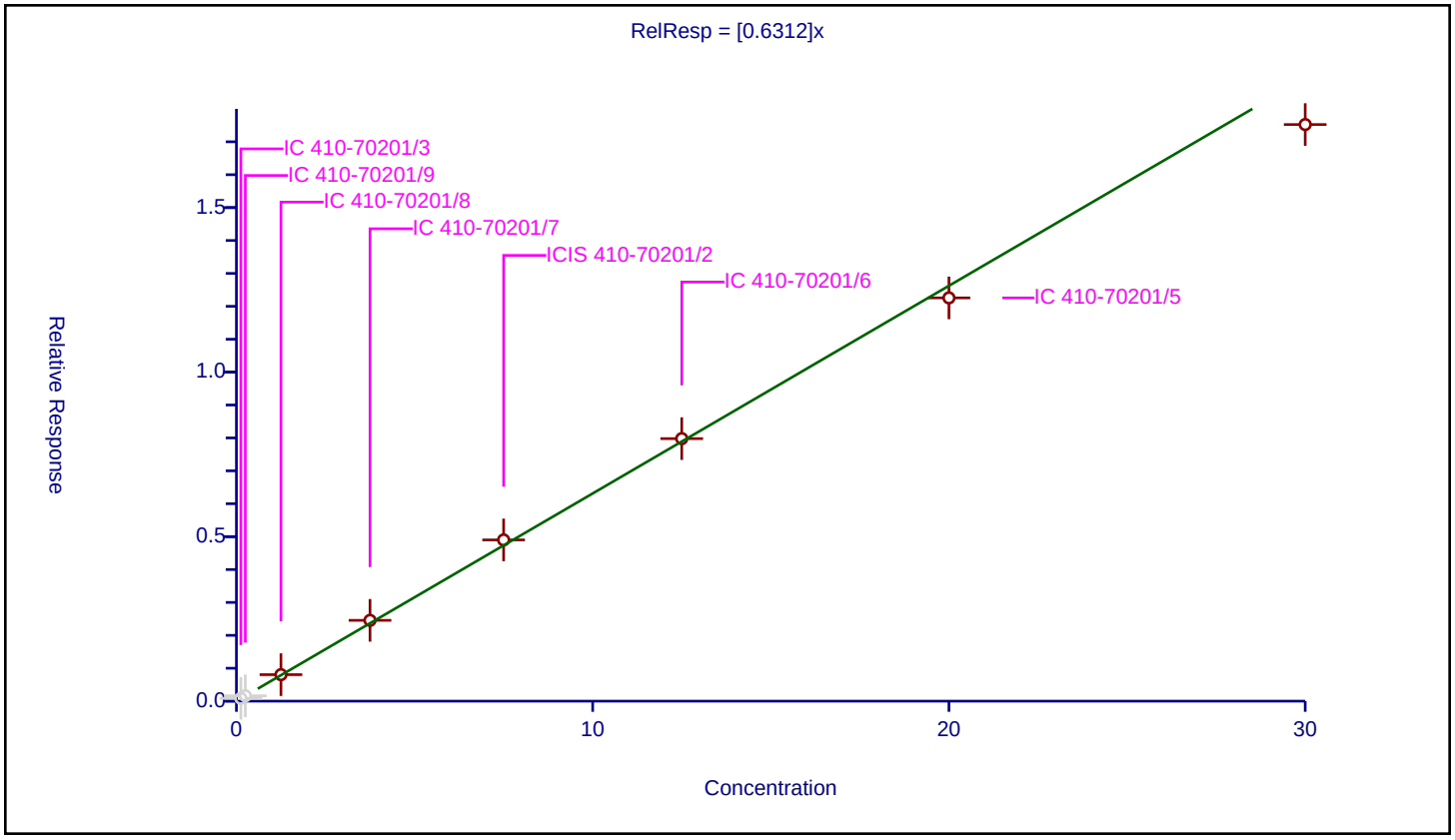
Curve Coefficients

Intercept:	0
Slope:	0.6312

Error Coefficients

Standard Error:	641000
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 410-70201/3	0.125	0.085293	5.0	280621.0	0.682344	N
2	IC 410-70201/9	0.25	0.162627	5.0	290266.0	0.650507	N
3	IC 410-70201/8	1.25	0.80486	5.0	284124.0	0.643888	Y
4	IC 410-70201/7	3.75	2.455473	5.0	291115.0	0.654793	Y
5	ICIS 410-70201/2	7.5	4.899845	5.0	283462.0	0.653313	Y
6	IC 410-70201/6	12.5	7.97888	5.0	333617.0	0.63831	Y
7	IC 410-70201/5	20.0	12.255583	5.0	307947.0	0.612779	Y
8	IC 410-70201/4	30.0	17.524321	5.0	299124.0	0.584144	Y



Calibration / Nitrobenzene-d5

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

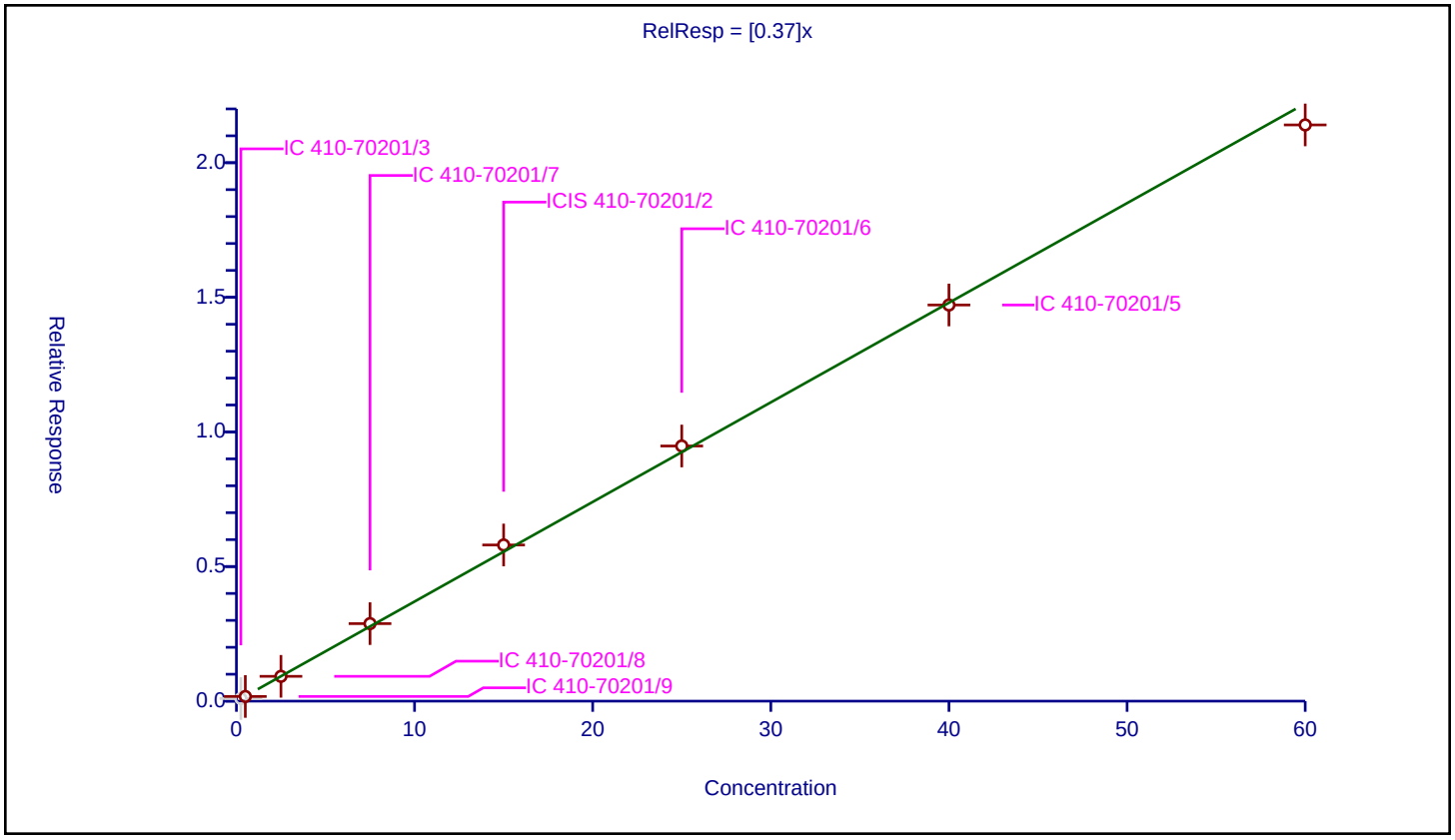
Curve Coefficients

Intercept:	0
Slope:	0.37

Error Coefficients

Standard Error:	2600000
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 410-70201/3	0.25	0.096444	5.0	1028783.0	0.385776	N
2	IC 410-70201/9	0.5	0.17343	5.0	1086262.0	0.346859	Y
3	IC 410-70201/8	2.5	0.921409	5.0	1066508.0	0.368564	Y
4	IC 410-70201/7	7.5	2.879623	5.0	1083508.0	0.38395	Y
5	ICIS 410-70201/2	15.0	5.800944	5.0	1053938.0	0.38673	Y
6	IC 410-70201/6	25.0	9.477736	5.0	1229025.0	0.379109	Y
7	IC 410-70201/5	40.0	14.715041	5.0	1137513.0	0.367876	Y
8	IC 410-70201/4	60.0	21.404118	5.0	1094235.0	0.356735	Y



Calibration / Nitrobenzene

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

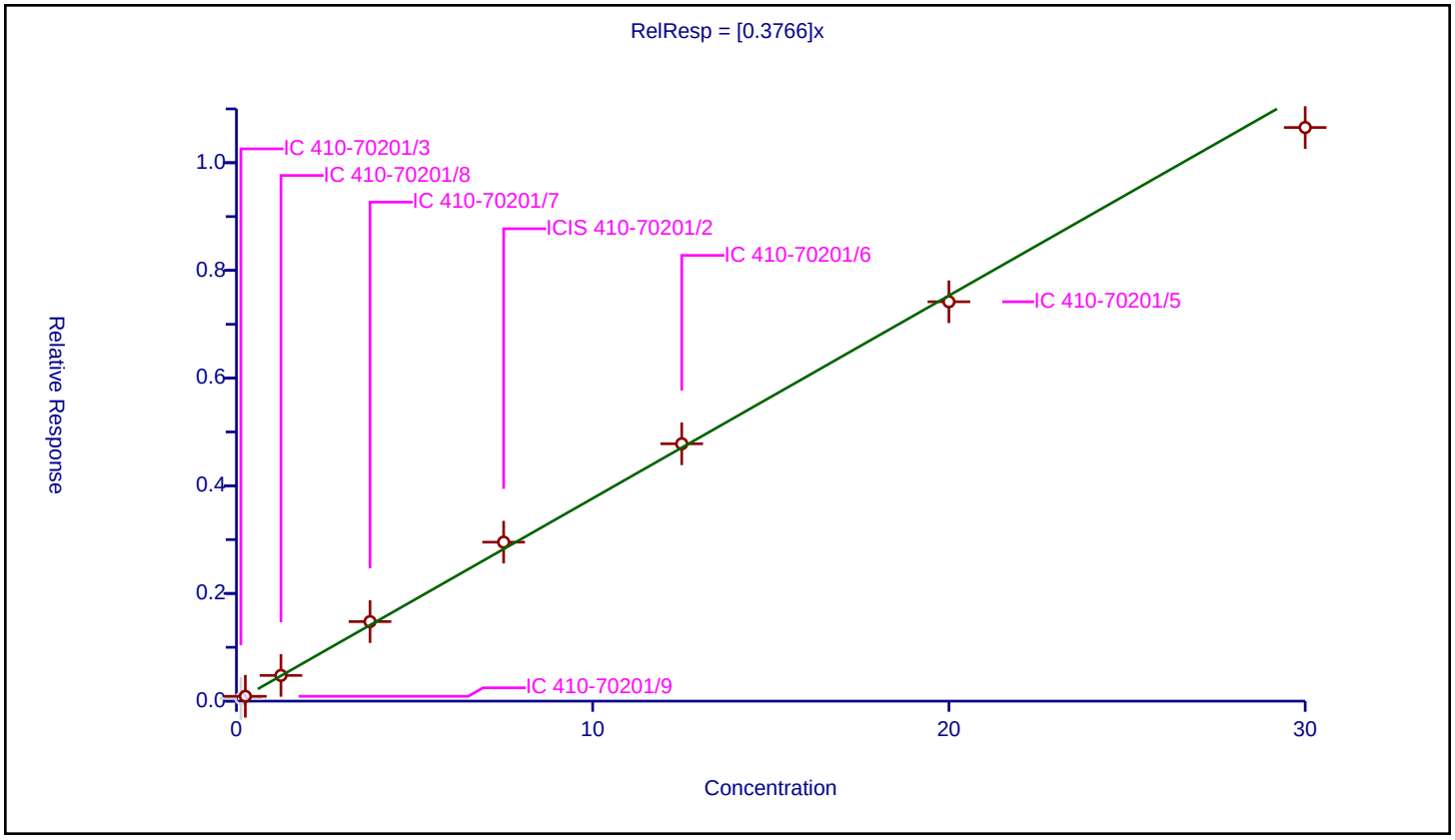
Curve Coefficients

Intercept:	0
Slope:	0.3766

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	4.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.049573	5.0	1028783.0	0.396585	N
2	IC 410-70201/9	0.25	0.089555	5.0	1086262.0	0.358219	Y
3	IC 410-70201/8	1.25	0.477521	5.0	1066508.0	0.382017	Y
4	IC 410-70201/7	3.75	1.47729	5.0	1083508.0	0.393944	Y
5	ICIS 410-70201/2	7.5	2.952835	5.0	1053938.0	0.393711	Y
6	IC 410-70201/6	12.5	4.780122	5.0	1229025.0	0.38241	Y
7	IC 410-70201/5	20.0	7.41777	5.0	1137513.0	0.370889	Y
8	IC 410-70201/4	30.0	10.654393	5.0	1094235.0	0.355146	Y



Calibration / N-Nitrosopiperidine

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

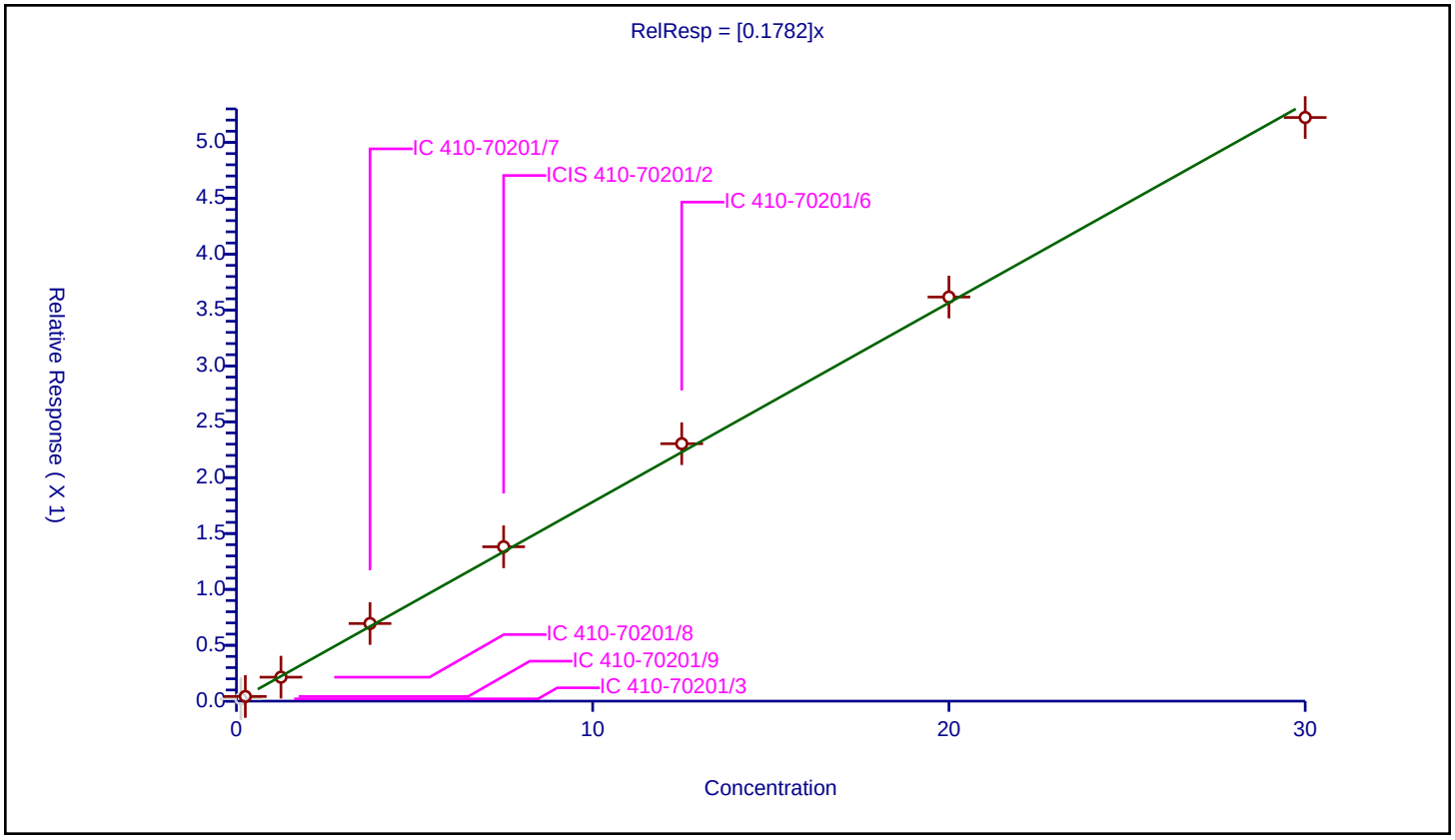
Curve Coefficients

Intercept:	0
Slope:	0.1782

Error Coefficients

Standard Error:	634000
Relative Standard Error:	4.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.020704	5.0	1028783.0	0.165633	N
2	IC 410-70201/9	0.25	0.041901	5.0	1086262.0	0.167602	Y
3	IC 410-70201/8	1.25	0.214321	5.0	1066508.0	0.171457	Y
4	IC 410-70201/7	3.75	0.69473	5.0	1083508.0	0.185261	Y
5	ICIS 410-70201/2	7.5	1.381315	5.0	1053938.0	0.184175	Y
6	IC 410-70201/6	12.5	2.303696	5.0	1229025.0	0.184296	Y
7	IC 410-70201/5	20.0	3.616328	5.0	1137513.0	0.180816	Y
8	IC 410-70201/4	30.0	5.223087	5.0	1094235.0	0.174103	Y



Calibration / Isophorone

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

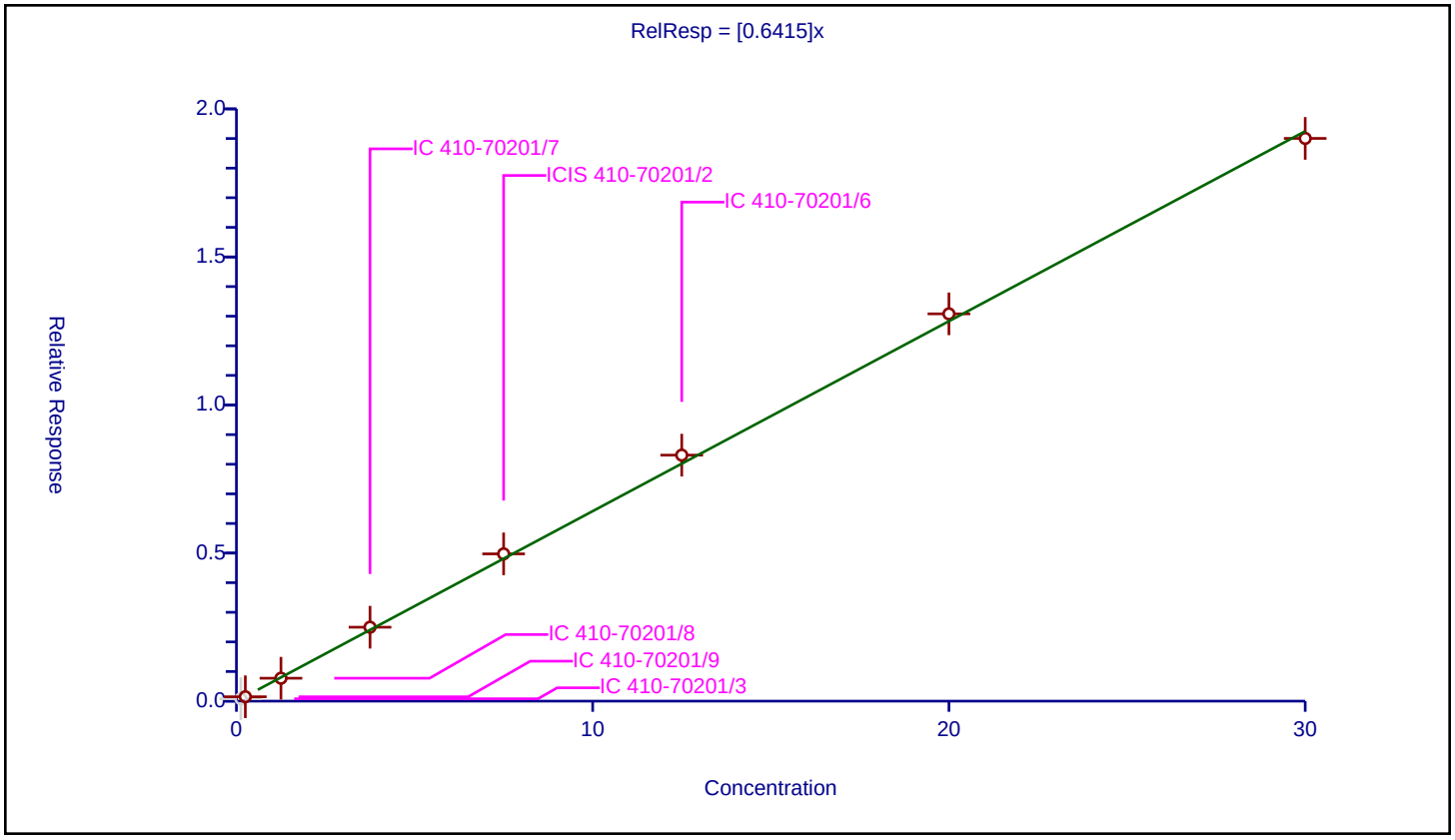
Curve Coefficients

Intercept:	0
Slope:	0.6415

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	4.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.080168	5.0	1028783.0	0.64134	N
2	IC 410-70201/9	0.25	0.147543	5.0	1086262.0	0.590171	Y
3	IC 410-70201/8	1.25	0.774396	5.0	1066508.0	0.619517	Y
4	IC 410-70201/7	3.75	2.496687	5.0	1083508.0	0.665783	Y
5	ICIS 410-70201/2	7.5	4.973461	5.0	1053938.0	0.663128	Y
6	IC 410-70201/6	12.5	8.30752	5.0	1229025.0	0.664602	Y
7	IC 410-70201/5	20.0	13.079244	5.0	1137513.0	0.653962	Y
8	IC 410-70201/4	30.0	19.0035	5.0	1094235.0	0.63345	Y



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

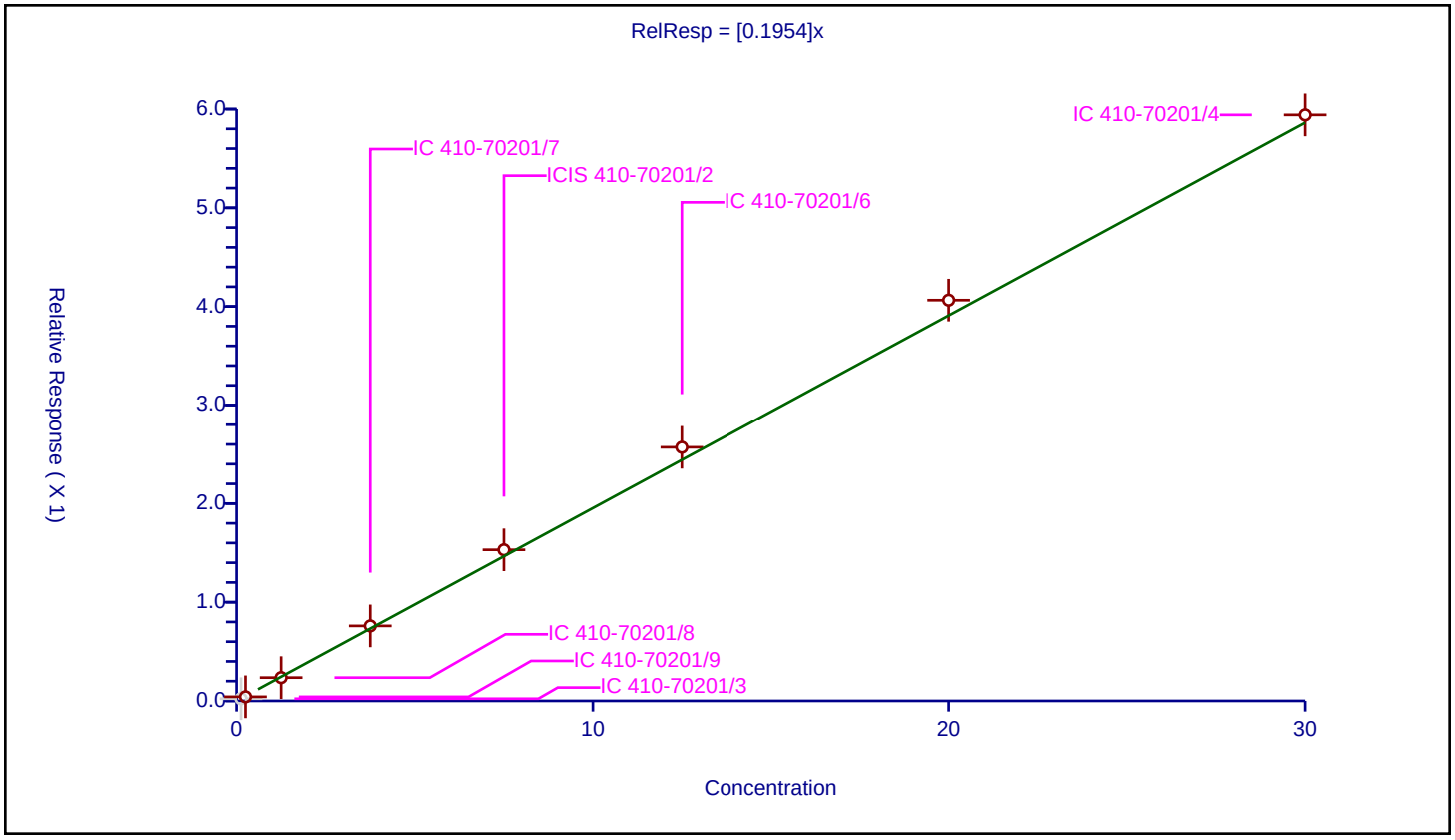
Curve Coefficients

Intercept:	0
Slope:	0.1954

Error Coefficients

Standard Error:	716000
Relative Standard Error:	7.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.022332	5.0	1028783.0	0.178658	N
2	IC 410-70201/9	0.25	0.041408	5.0	1086262.0	0.165632	Y
3	IC 410-70201/8	1.25	0.235826	5.0	1066508.0	0.188661	Y
4	IC 410-70201/7	3.75	0.759921	5.0	1083508.0	0.202645	Y
5	ICIS 410-70201/2	7.5	1.531053	5.0	1053938.0	0.20414	Y
6	IC 410-70201/6	12.5	2.571164	5.0	1229025.0	0.205693	Y
7	IC 410-70201/5	20.0	4.064507	5.0	1137513.0	0.203225	Y
8	IC 410-70201/4	30.0	5.941178	5.0	1094235.0	0.198039	Y



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

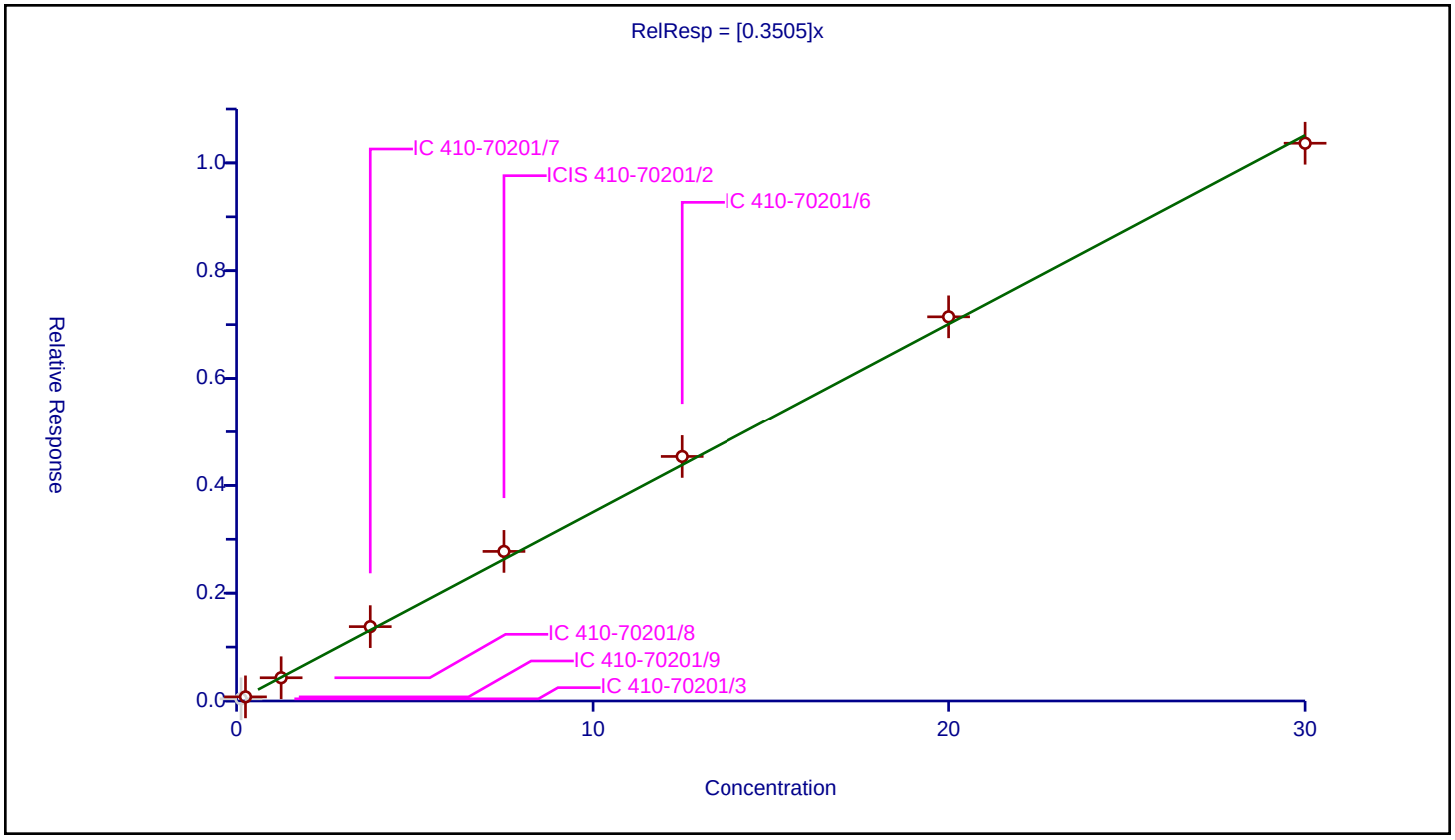
Curve Coefficients

Intercept:	0
Slope:	0.3505

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	6.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.0403	5.0	1028783.0	0.3224	N
2	IC 410-70201/9	0.25	0.076234	5.0	1086262.0	0.304936	Y
3	IC 410-70201/8	1.25	0.43108	5.0	1066508.0	0.344864	Y
4	IC 410-70201/7	3.75	1.379588	5.0	1083508.0	0.36789	Y
5	ICIS 410-70201/2	7.5	2.774793	5.0	1053938.0	0.369972	Y
6	IC 410-70201/6	12.5	4.536641	5.0	1229025.0	0.362931	Y
7	IC 410-70201/5	20.0	7.144802	5.0	1137513.0	0.35724	Y
8	IC 410-70201/4	30.0	10.365337	5.0	1094235.0	0.345511	Y



Calibration / Benzoic acid

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

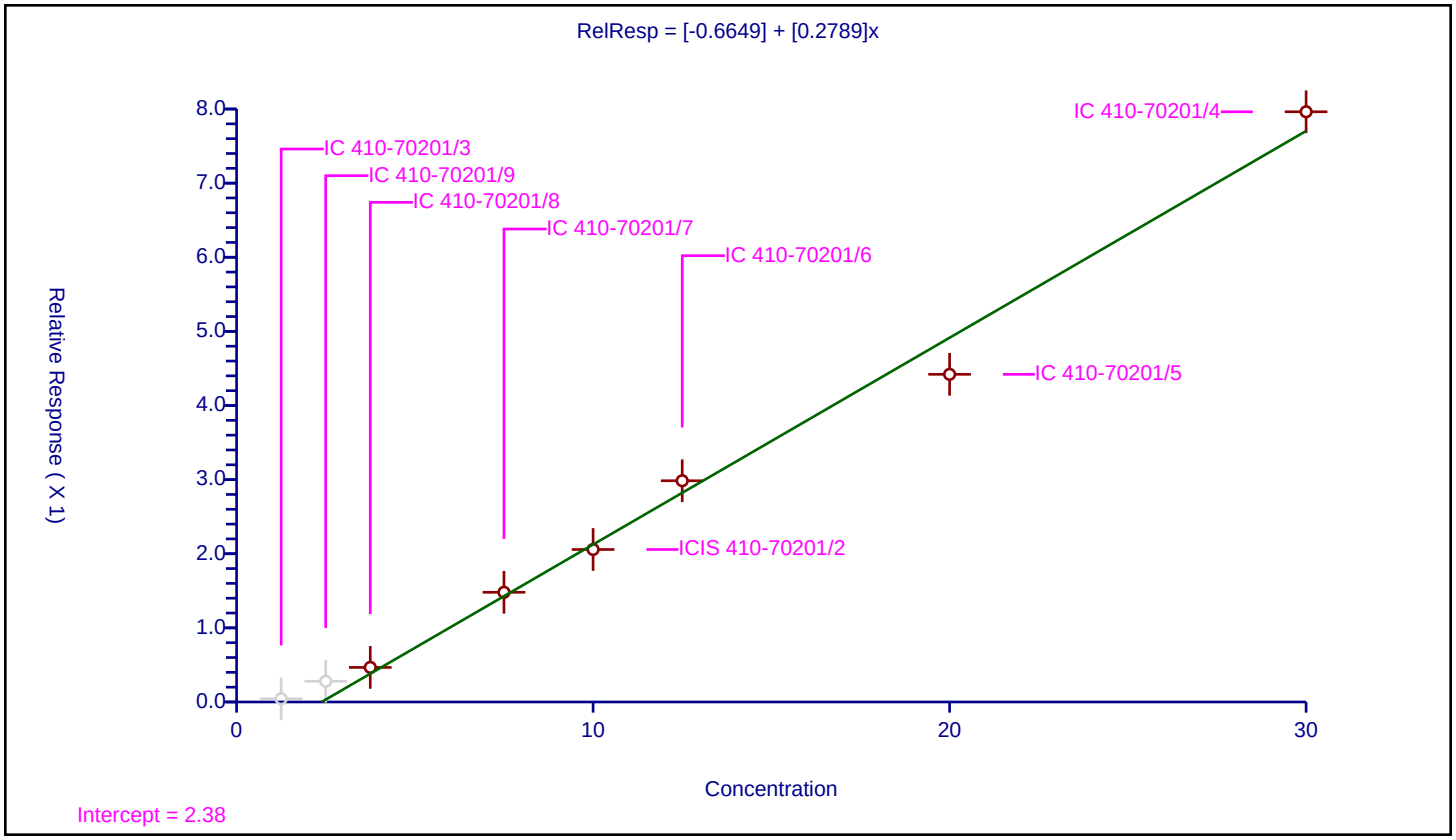
Curve Coefficients

Intercept:	-0.6649
Slope:	0.2789

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	6.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	1.25	0.043051	5.0	1028783.0	0.034441	N
2	IC 410-70201/9	2.5	0.279247	5.0	1086262.0	0.111699	N
3	IC 410-70201/8	3.75	0.466401	5.0	1066508.0	0.124374	Y
4	IC 410-70201/7	7.5	1.479851	5.0	1083508.0	0.197313	Y
5	ICIS 410-70201/2	10.0	2.05746	5.0	1053938.0	0.205746	Y
6	IC 410-70201/6	12.5	2.98496	5.0	1229025.0	0.238797	Y
7	IC 410-70201/5	20.0	4.420657	5.0	1137513.0	0.221033	Y
8	IC 410-70201/4	30.0	7.963093	5.0	1094235.0	0.265436	Y



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

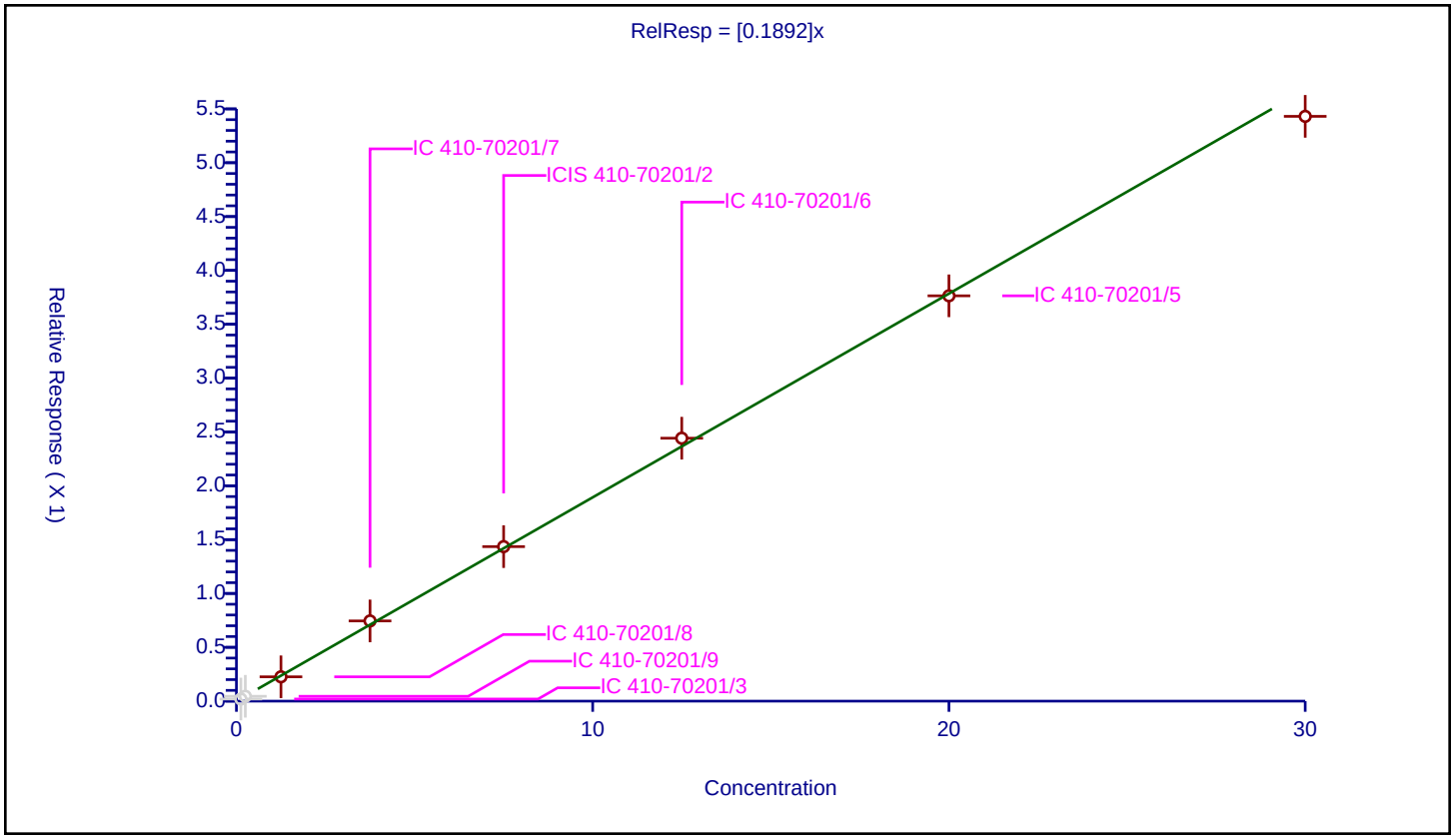
Curve Coefficients

Intercept:	0
Slope:	0.1892

Error Coefficients

Standard Error:	725000
Relative Standard Error:	3.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.01962	5.0	1028783.0	0.156962	N
2	IC 410-70201/9	0.25	0.045118	5.0	1086262.0	0.180472	N
3	IC 410-70201/8	1.25	0.22599	5.0	1066508.0	0.180792	Y
4	IC 410-70201/7	3.75	0.744951	5.0	1083508.0	0.198654	Y
5	ICIS 410-70201/2	7.5	1.434885	5.0	1053938.0	0.191318	Y
6	IC 410-70201/6	12.5	2.441814	5.0	1229025.0	0.195345	Y
7	IC 410-70201/5	20.0	3.76426	5.0	1137513.0	0.188213	Y
8	IC 410-70201/4	30.0	5.43063	5.0	1094235.0	0.181021	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

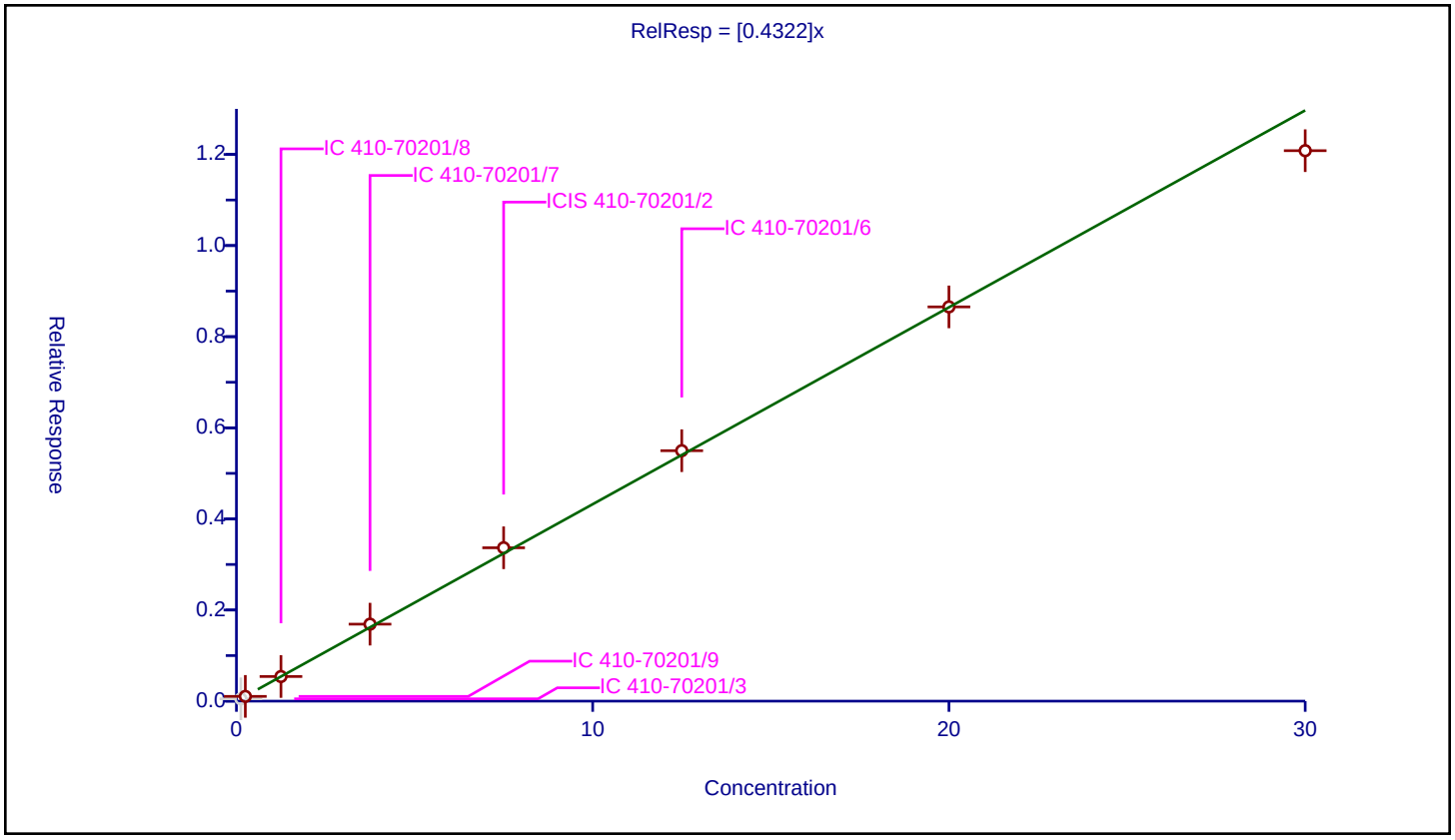
Curve Coefficients

Intercept:	0
Slope:	0.4322

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	3.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.050895	5.0	1028783.0	0.407161	N
2	IC 410-70201/9	0.25	0.104639	5.0	1086262.0	0.418555	Y
3	IC 410-70201/8	1.25	0.540479	5.0	1066508.0	0.432383	Y
4	IC 410-70201/7	3.75	1.689724	5.0	1083508.0	0.450593	Y
5	ICIS 410-70201/2	7.5	3.366569	5.0	1053938.0	0.448876	Y
6	IC 410-70201/6	12.5	5.497272	5.0	1229025.0	0.439782	Y
7	IC 410-70201/5	20.0	8.654178	5.0	1137513.0	0.432709	Y
8	IC 410-70201/4	30.0	12.082852	5.0	1094235.0	0.402762	Y



Calibration / 2,4-Dichlorophenol

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

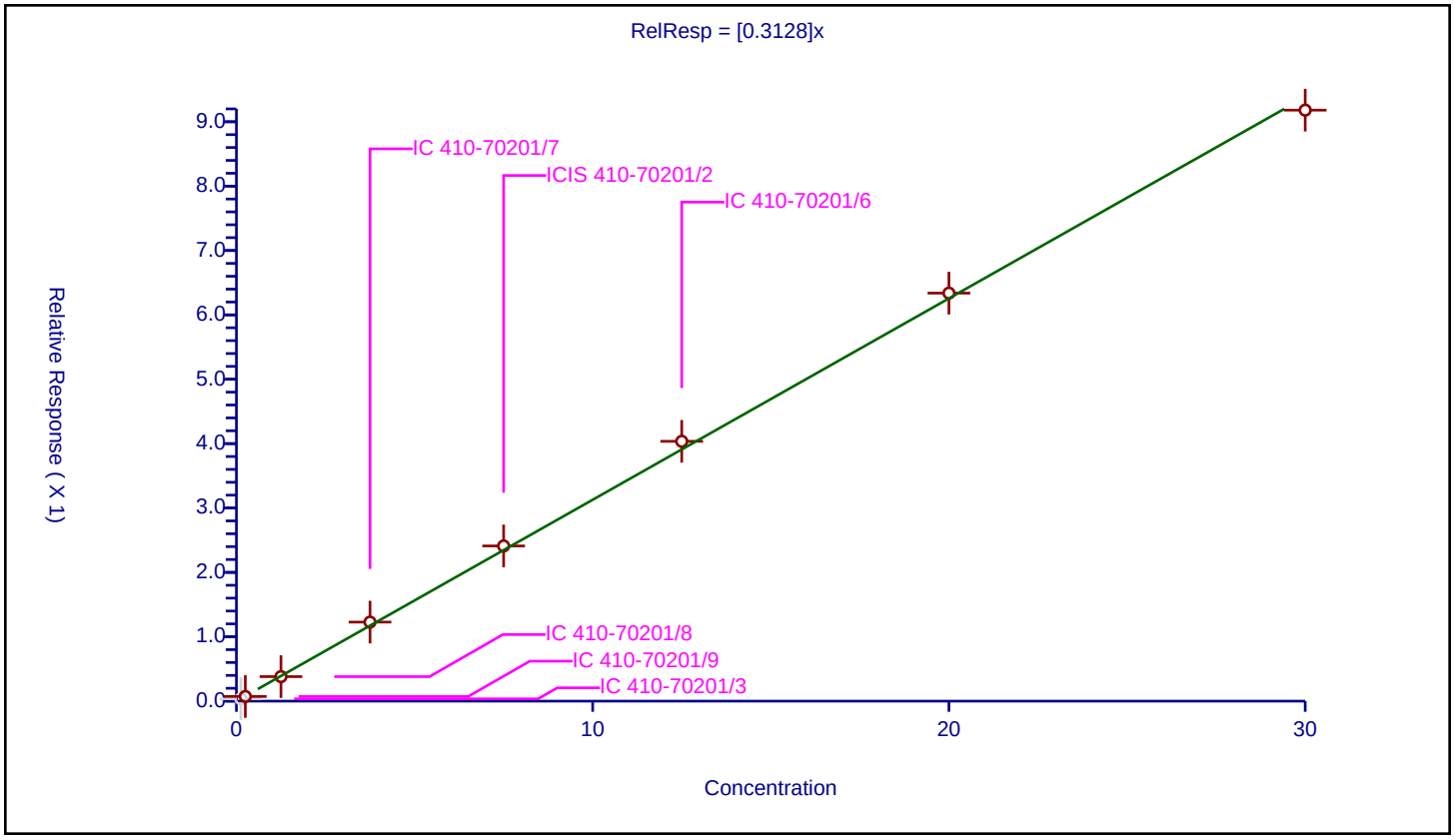
Curve Coefficients

Intercept:	0
Slope:	0.3128

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	4.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.03597	5.0	1028783.0	0.287757	N
2	IC 410-70201/9	0.25	0.072552	5.0	1086262.0	0.290206	Y
3	IC 410-70201/8	1.25	0.380916	5.0	1066508.0	0.304733	Y
4	IC 410-70201/7	3.75	1.227739	5.0	1083508.0	0.327397	Y
5	ICIS 410-70201/2	7.5	2.410621	5.0	1053938.0	0.321416	Y
6	IC 410-70201/6	12.5	4.036167	5.0	1229025.0	0.322893	Y
7	IC 410-70201/5	20.0	6.338372	5.0	1137513.0	0.316919	Y
8	IC 410-70201/4	30.0	9.180665	5.0	1094235.0	0.306022	Y



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

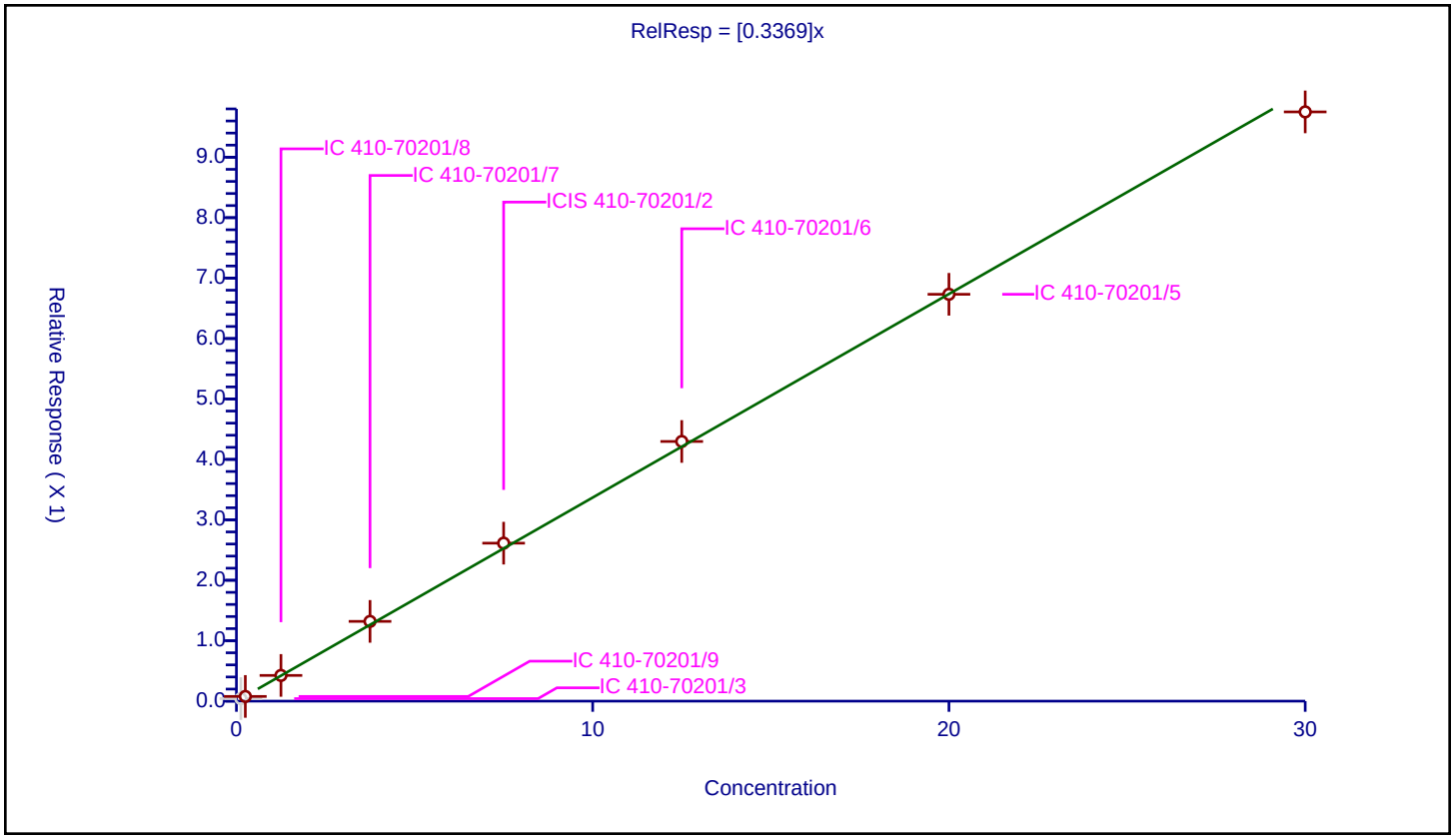
Curve Coefficients

Intercept:	0
Slope:	0.3369

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	4.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.042103	5.0	1028783.0	0.336825	N
2	IC 410-70201/9	0.25	0.077992	5.0	1086262.0	0.311969	Y
3	IC 410-70201/8	1.25	0.425393	5.0	1066508.0	0.340314	Y
4	IC 410-70201/7	3.75	1.319593	5.0	1083508.0	0.351892	Y
5	ICIS 410-70201/2	7.5	2.614044	5.0	1053938.0	0.348539	Y
6	IC 410-70201/6	12.5	4.296833	5.0	1229025.0	0.343747	Y
7	IC 410-70201/5	20.0	6.732015	5.0	1137513.0	0.336601	Y
8	IC 410-70201/4	30.0	9.750259	5.0	1094235.0	0.325009	Y



Calibration / Naphthalene

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

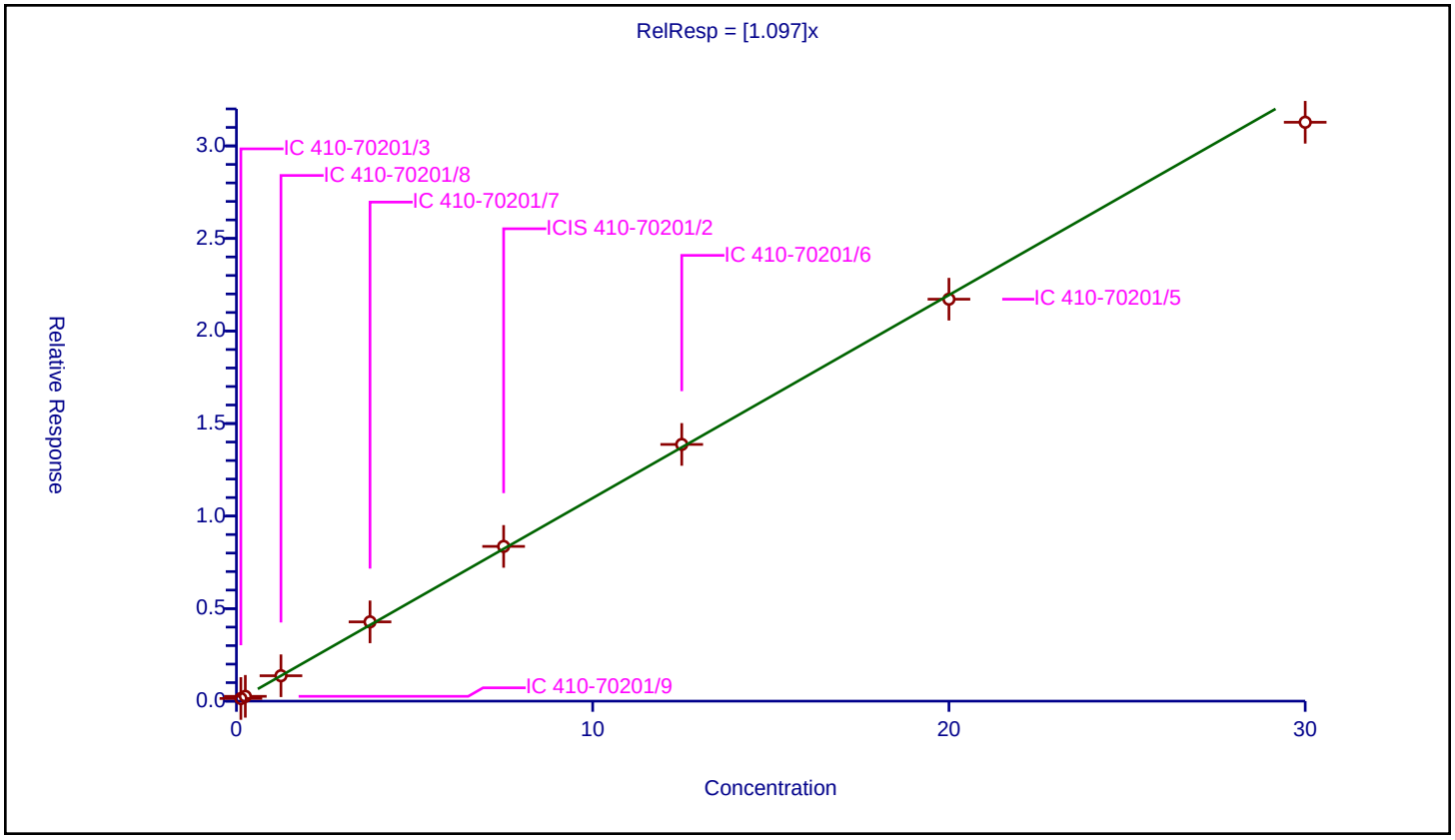
Curve Coefficients

Intercept:	0
Slope:	1.097

Error Coefficients

Standard Error:	3520000
Relative Standard Error:	3.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.142844	5.0	1028783.0	1.142748	Y
2	IC 410-70201/9	0.25	0.260388	5.0	1086262.0	1.041554	Y
3	IC 410-70201/8	1.25	1.371912	5.0	1066508.0	1.09753	Y
4	IC 410-70201/7	3.75	4.282802	5.0	1083508.0	1.14208	Y
5	ICIS 410-70201/2	7.5	8.360639	5.0	1053938.0	1.114752	Y
6	IC 410-70201/6	12.5	13.871199	5.0	1229025.0	1.109696	Y
7	IC 410-70201/5	20.0	21.718429	5.0	1137513.0	1.085921	Y
8	IC 410-70201/4	30.0	31.277747	5.0	1094235.0	1.042592	Y



Calibration / 4-Chloroaniline

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

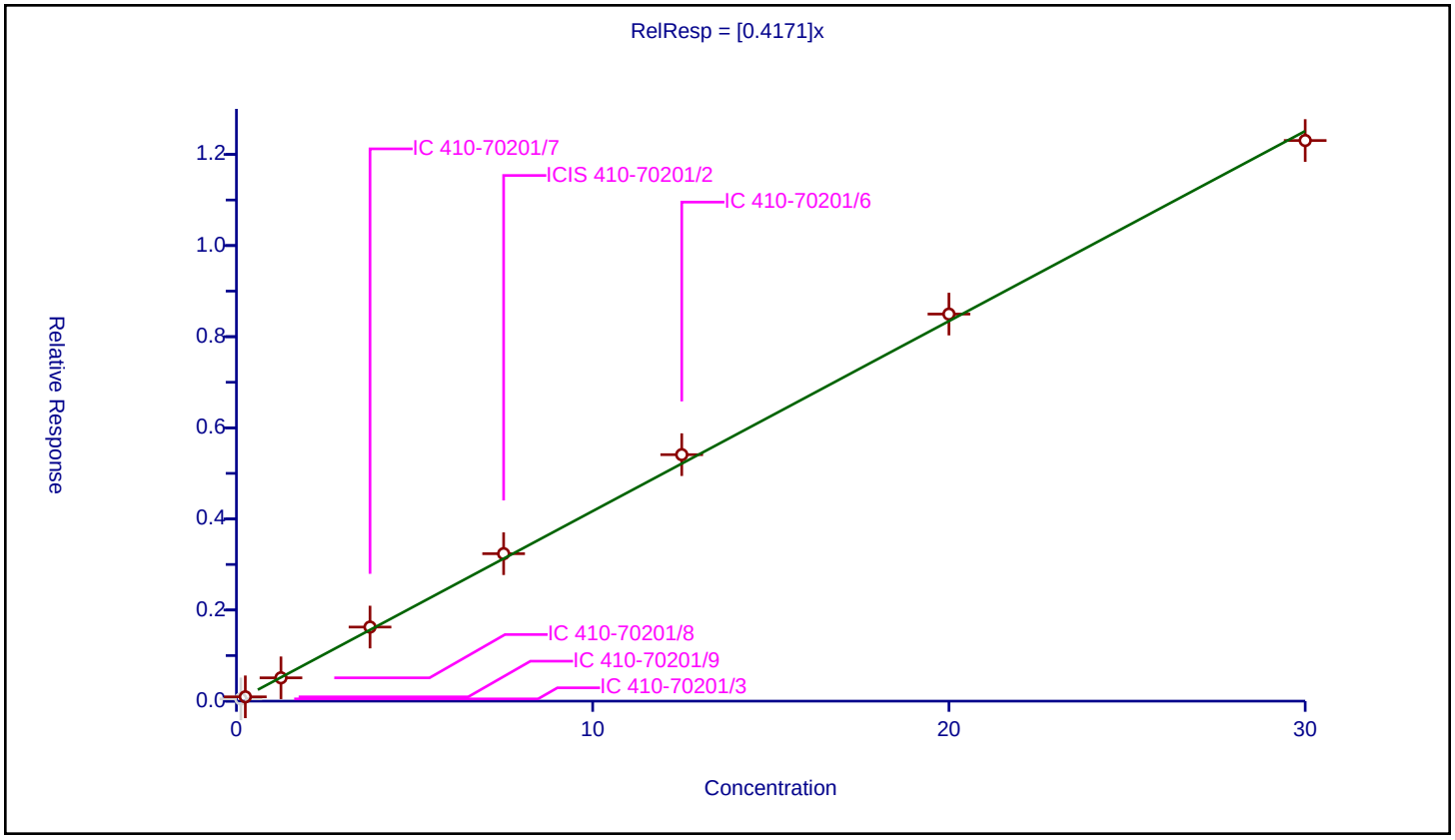
Curve Coefficients

Intercept:	0
Slope:	0.4171

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	4.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.049539	5.0	1028783.0	0.396313	N
2	IC 410-70201/9	0.25	0.094314	5.0	1086262.0	0.377257	Y
3	IC 410-70201/8	1.25	0.511726	5.0	1066508.0	0.409381	Y
4	IC 410-70201/7	3.75	1.626365	5.0	1083508.0	0.433697	Y
5	ICIS 410-70201/2	7.5	3.236557	5.0	1053938.0	0.431541	Y
6	IC 410-70201/6	12.5	5.410366	5.0	1229025.0	0.432829	Y
7	IC 410-70201/5	20.0	8.495995	5.0	1137513.0	0.4248	Y
8	IC 410-70201/4	30.0	12.306118	5.0	1094235.0	0.410204	Y



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

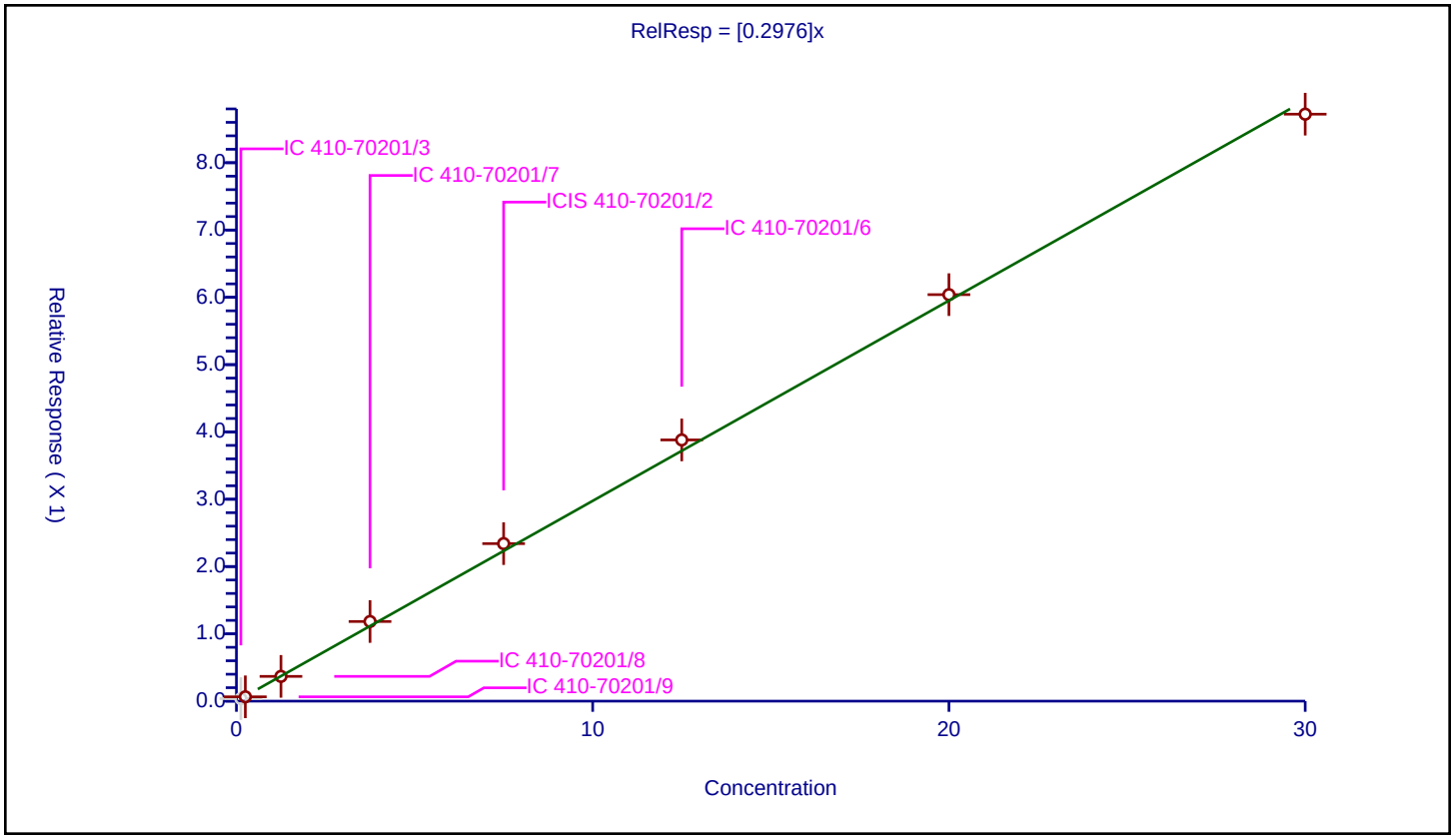
Curve Coefficients

Intercept:	0
Slope:	0.2976

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	6.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.037228	5.0	1028783.0	0.297828	N
2	IC 410-70201/9	0.25	0.064446	5.0	1086262.0	0.257783	Y
3	IC 410-70201/8	1.25	0.367709	5.0	1066508.0	0.294168	Y
4	IC 410-70201/7	3.75	1.183586	5.0	1083508.0	0.315623	Y
5	ICIS 410-70201/2	7.5	2.340541	5.0	1053938.0	0.312072	Y
6	IC 410-70201/6	12.5	3.881085	5.0	1229025.0	0.310487	Y
7	IC 410-70201/5	20.0	6.0399	5.0	1137513.0	0.301995	Y
8	IC 410-70201/4	30.0	8.721705	5.0	1094235.0	0.290724	Y



Calibration / Hexachloropropene

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

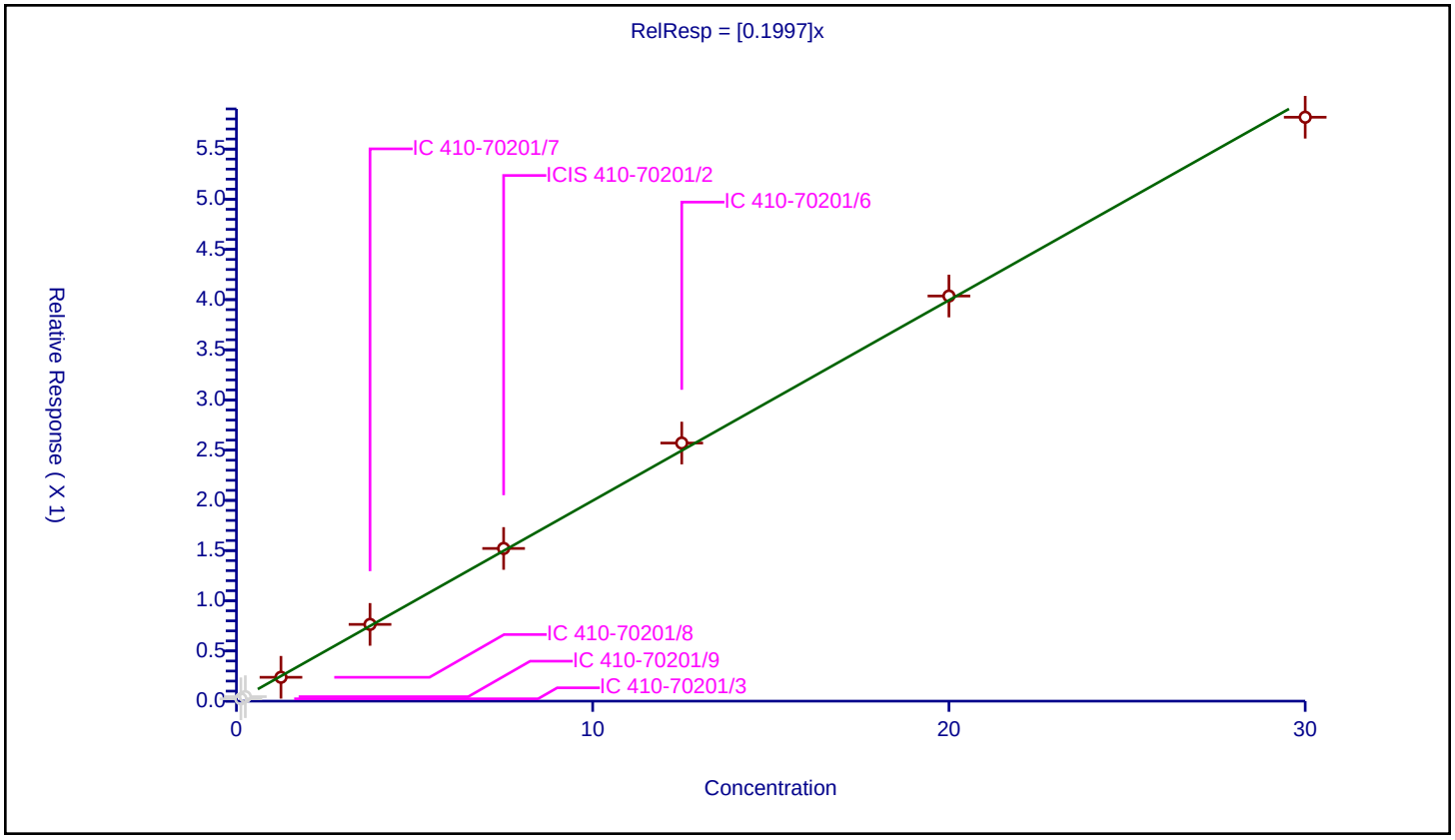
Curve Coefficients

Intercept:	0
Slope:	0.1997

Error Coefficients

Standard Error:	774000
Relative Standard Error:	3.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.023499	5.0	1028783.0	0.187989	N
2	IC 410-70201/9	0.25	0.044483	5.0	1086262.0	0.177931	N
3	IC 410-70201/8	1.25	0.237612	5.0	1066508.0	0.19009	Y
4	IC 410-70201/7	3.75	0.764567	5.0	1083508.0	0.203885	Y
5	ICIS 410-70201/2	7.5	1.521076	5.0	1053938.0	0.20281	Y
6	IC 410-70201/6	12.5	2.571168	5.0	1229025.0	0.205693	Y
7	IC 410-70201/5	20.0	4.035686	5.0	1137513.0	0.201784	Y
8	IC 410-70201/4	30.0	5.816977	5.0	1094235.0	0.193899	Y



Calibration / Hexachlorobutadiene

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

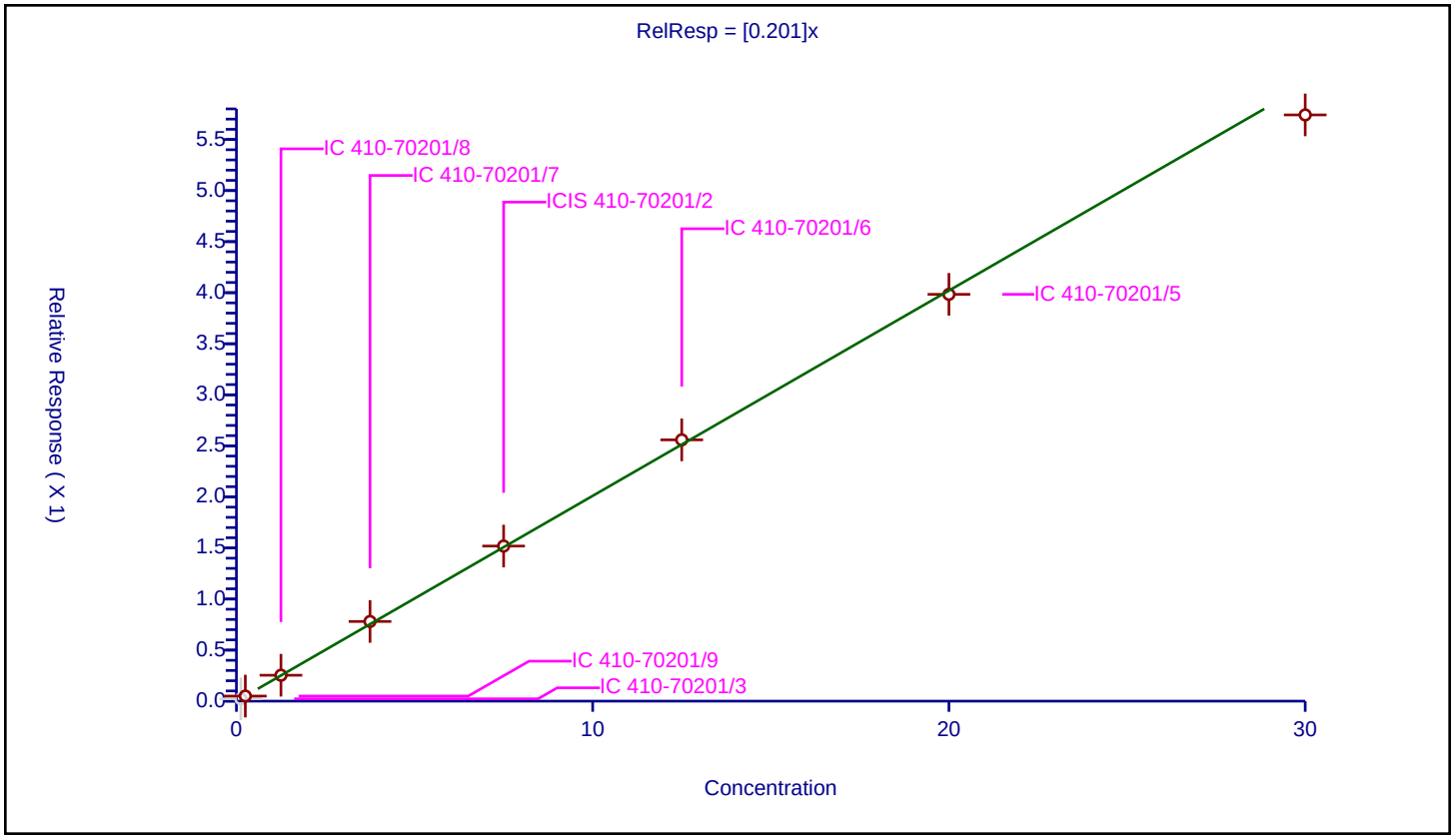
Curve Coefficients

Intercept:	0
Slope:	0.201

Error Coefficients

Standard Error:	699000
Relative Standard Error:	2.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.022789	5.0	1028783.0	0.182312	N
2	IC 410-70201/9	0.25	0.049652	5.0	1086262.0	0.198608	Y
3	IC 410-70201/8	1.25	0.253561	5.0	1066508.0	0.202849	Y
4	IC 410-70201/7	3.75	0.780248	5.0	1083508.0	0.208066	Y
5	ICIS 410-70201/2	7.5	1.51859	5.0	1053938.0	0.202479	Y
6	IC 410-70201/6	12.5	2.558935	5.0	1229025.0	0.204715	Y
7	IC 410-70201/5	20.0	3.983695	5.0	1137513.0	0.199185	Y
8	IC 410-70201/4	30.0	5.740956	5.0	1094235.0	0.191365	Y



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

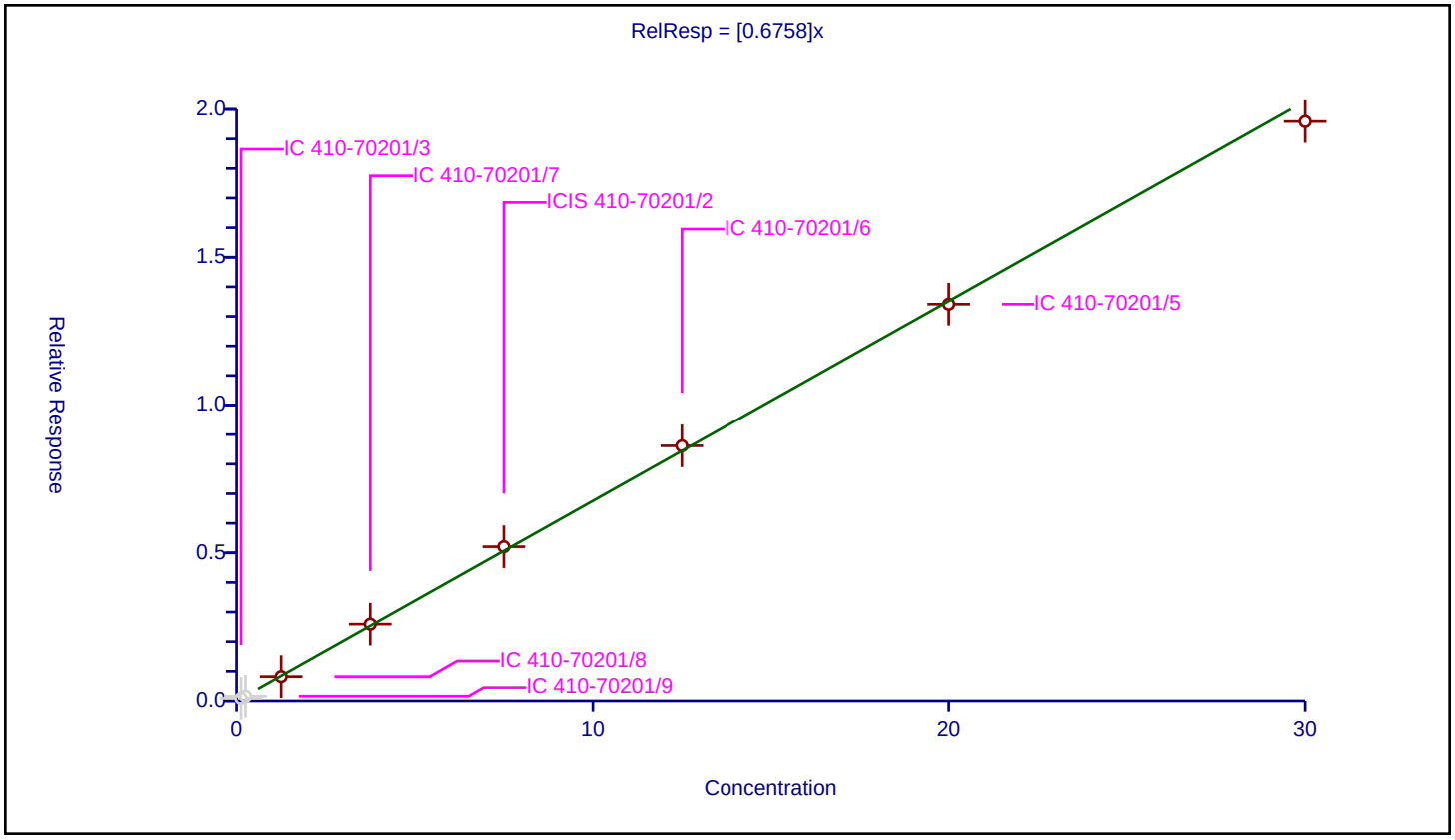
Curve Coefficients

Intercept:	0
Slope:	0.6758

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	2.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.086024	5.0	1028783.0	0.688192	N
2	IC 410-70201/9	0.25	0.156868	5.0	1086262.0	0.627473	N
3	IC 410-70201/8	1.25	0.820308	5.0	1066508.0	0.656246	Y
4	IC 410-70201/7	3.75	2.591411	5.0	1083508.0	0.691043	Y
5	ICIS 410-70201/2	7.5	5.208423	5.0	1053938.0	0.694456	Y
6	IC 410-70201/6	12.5	8.6193	5.0	1229025.0	0.689544	Y
7	IC 410-70201/5	20.0	13.412581	5.0	1137513.0	0.670629	Y
8	IC 410-70201/4	30.0	19.591139	5.0	1094235.0	0.653038	Y



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

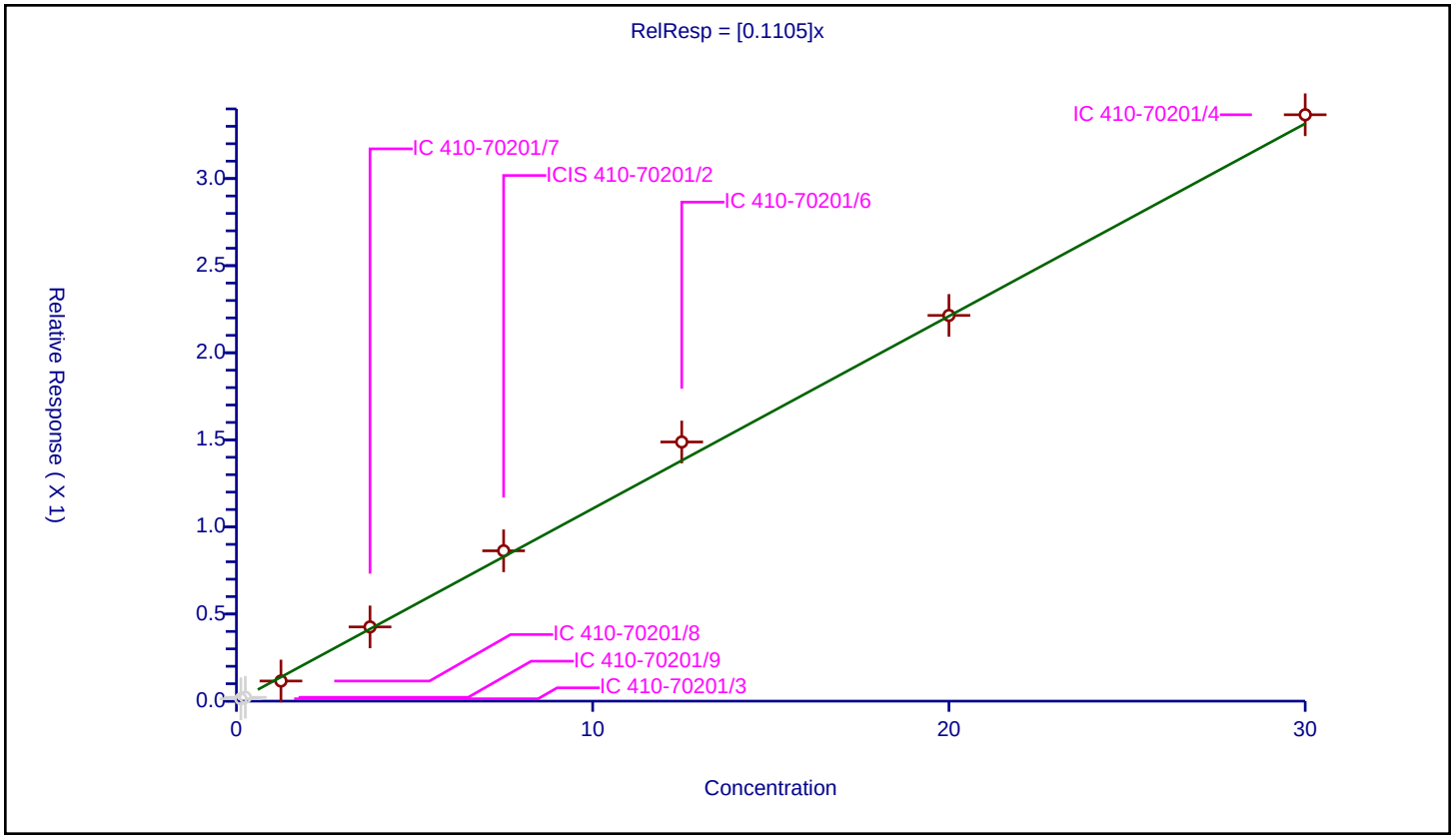
Curve Coefficients

Intercept:	0
Slope:	0.1105

Error Coefficients

Standard Error:	441000
Relative Standard Error:	8.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.013633	5.0	1028783.0	0.109061	N
2	IC 410-70201/9	0.25	0.02203	5.0	1086262.0	0.088119	N
3	IC 410-70201/8	1.25	0.115564	5.0	1066508.0	0.092451	Y
4	IC 410-70201/7	3.75	0.426084	5.0	1083508.0	0.113622	Y
5	ICIS 410-70201/2	7.5	0.863006	5.0	1053938.0	0.115067	Y
6	IC 410-70201/6	12.5	1.487866	5.0	1229025.0	0.119029	Y
7	IC 410-70201/5	20.0	2.214348	5.0	1137513.0	0.110717	Y
8	IC 410-70201/4	30.0	3.366311	5.0	1094235.0	0.11221	Y



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

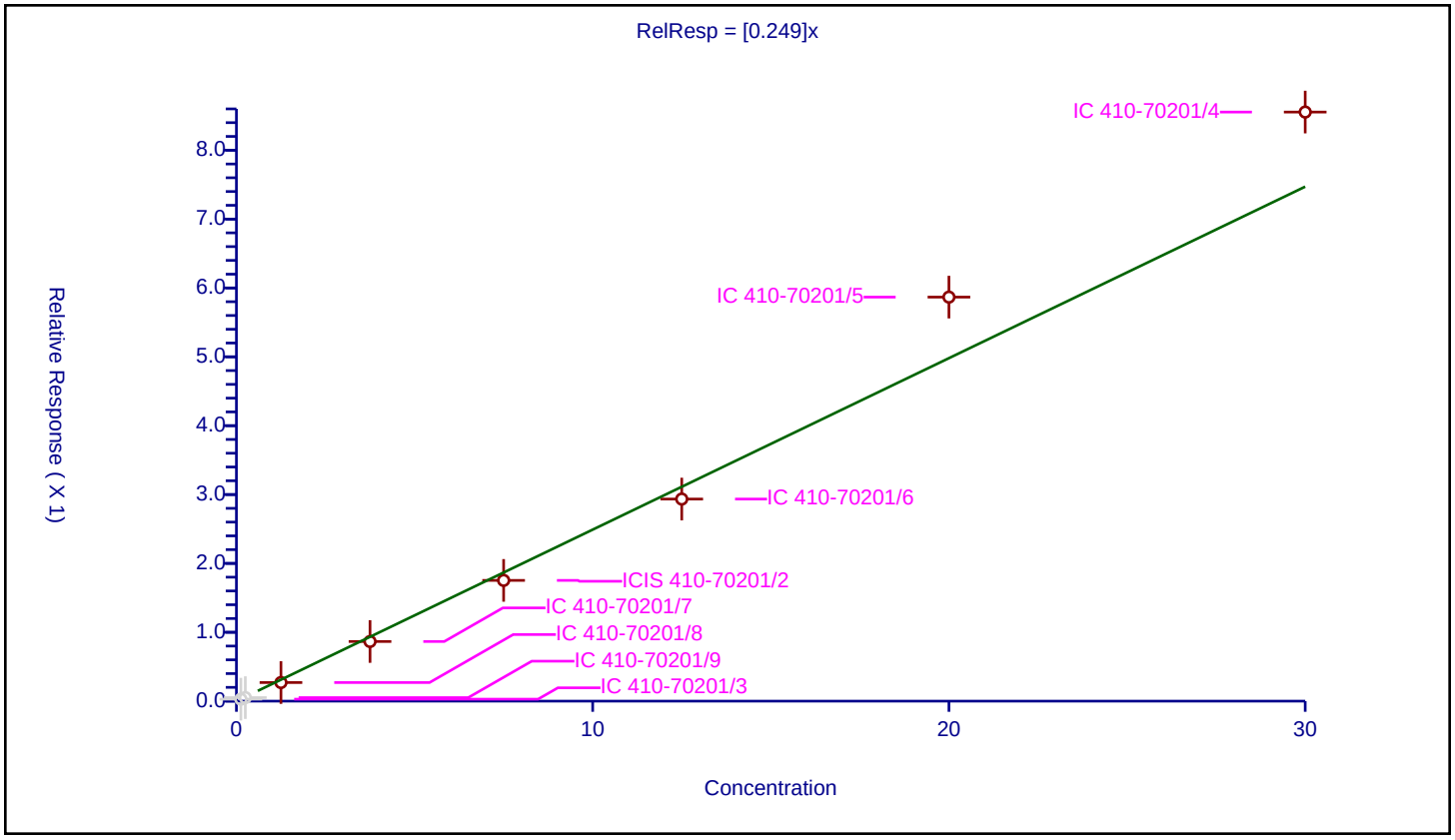
Curve Coefficients

Intercept:	0
Slope:	0.249

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	12.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.028714	5.0	1028783.0	0.229708	N
2	IC 410-70201/9	0.25	0.051272	5.0	1086262.0	0.205089	N
3	IC 410-70201/8	1.25	0.270157	5.0	1066508.0	0.216126	Y
4	IC 410-70201/7	3.75	0.866186	5.0	1083508.0	0.230983	Y
5	ICIS 410-70201/2	7.5	1.753253	5.0	1053938.0	0.233767	Y
6	IC 410-70201/6	12.5	2.93466	5.0	1229025.0	0.234773	Y
7	IC 410-70201/5	20.0	5.866702	5.0	1137513.0	0.293335	Y
8	IC 410-70201/4	30.0	8.554131	5.0	1094235.0	0.285138	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

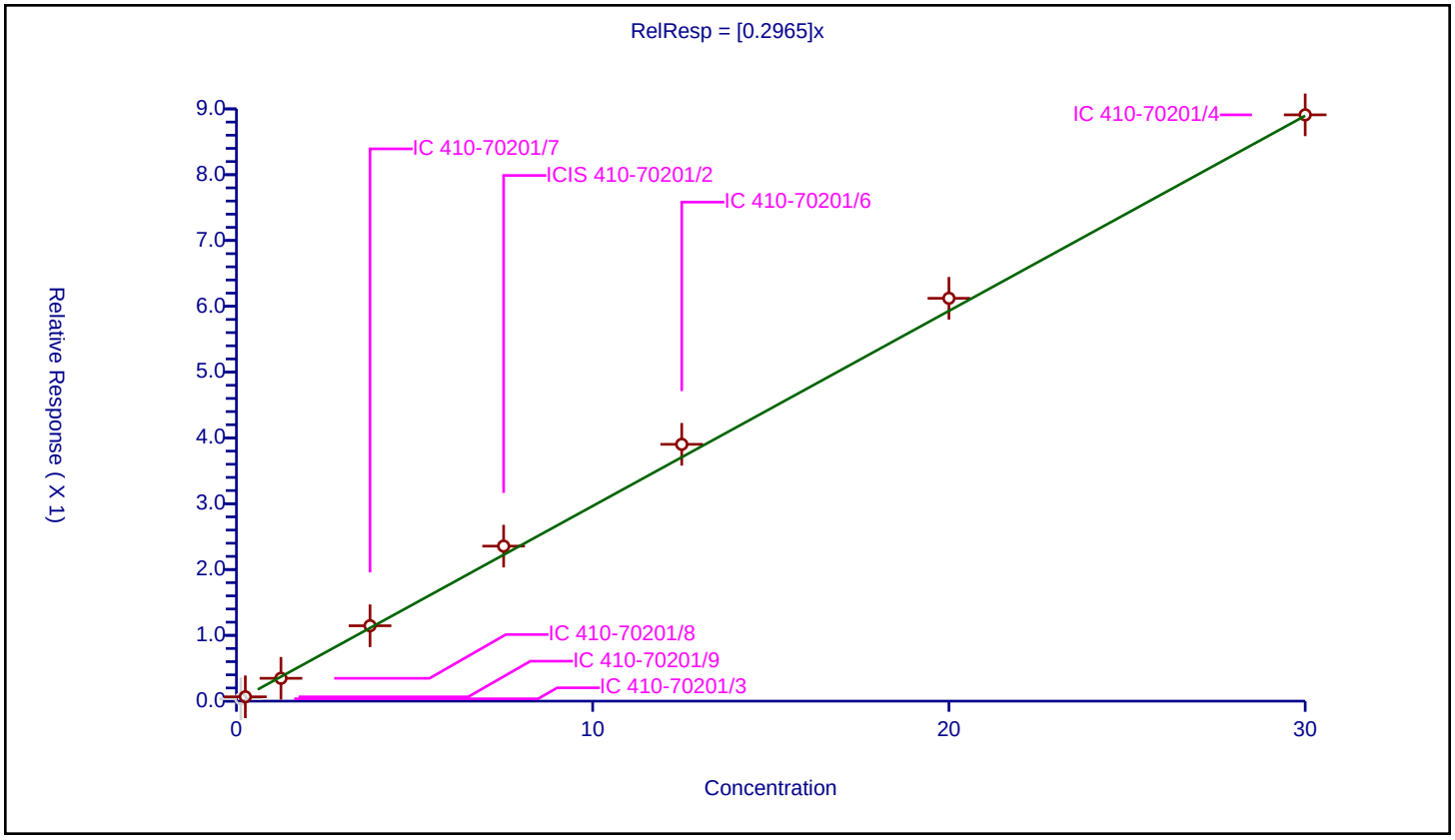
Curve Coefficients

Intercept:	0
Slope:	0.2965

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	6.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.035999	5.0	1028783.0	0.287991	N
2	IC 410-70201/9	0.25	0.065799	5.0	1086262.0	0.263196	Y
3	IC 410-70201/8	1.25	0.347067	5.0	1066508.0	0.277654	Y
4	IC 410-70201/7	3.75	1.145432	5.0	1083508.0	0.305449	Y
5	ICIS 410-70201/2	7.5	2.355732	5.0	1053938.0	0.314098	Y
6	IC 410-70201/6	12.5	3.902711	5.0	1229025.0	0.312217	Y
7	IC 410-70201/5	20.0	6.121719	5.0	1137513.0	0.306086	Y
8	IC 410-70201/4	30.0	8.909736	5.0	1094235.0	0.296991	Y



Calibration / Safrole, Total

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

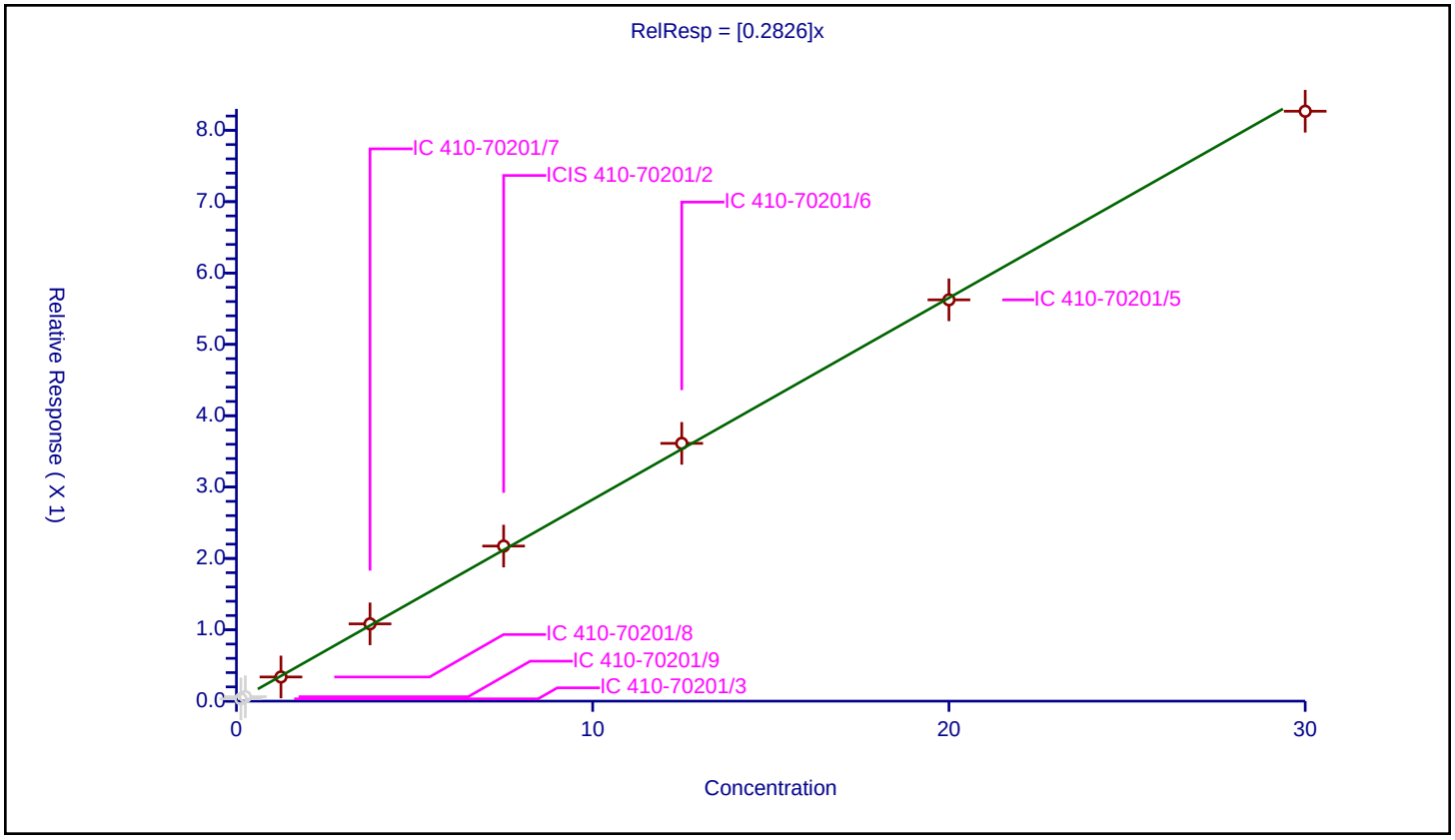
Curve Coefficients

Intercept:	0
Slope:	0.2826

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	2.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.032227	5.0	1028783.0	0.257819	N
2	IC 410-70201/9	0.25	0.061997	5.0	1086262.0	0.247988	N
3	IC 410-70201/8	1.25	0.338839	5.0	1066508.0	0.271072	Y
4	IC 410-70201/7	3.75	1.082853	5.0	1083508.0	0.288761	Y
5	ICIS 410-70201/2	7.5	2.173377	5.0	1053938.0	0.289784	Y
6	IC 410-70201/6	12.5	3.612424	5.0	1229025.0	0.288994	Y
7	IC 410-70201/5	20.0	5.624103	5.0	1137513.0	0.281205	Y
8	IC 410-70201/4	30.0	8.266972	5.0	1094235.0	0.275566	Y



Calibration / 2-Methylnaphthalene

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

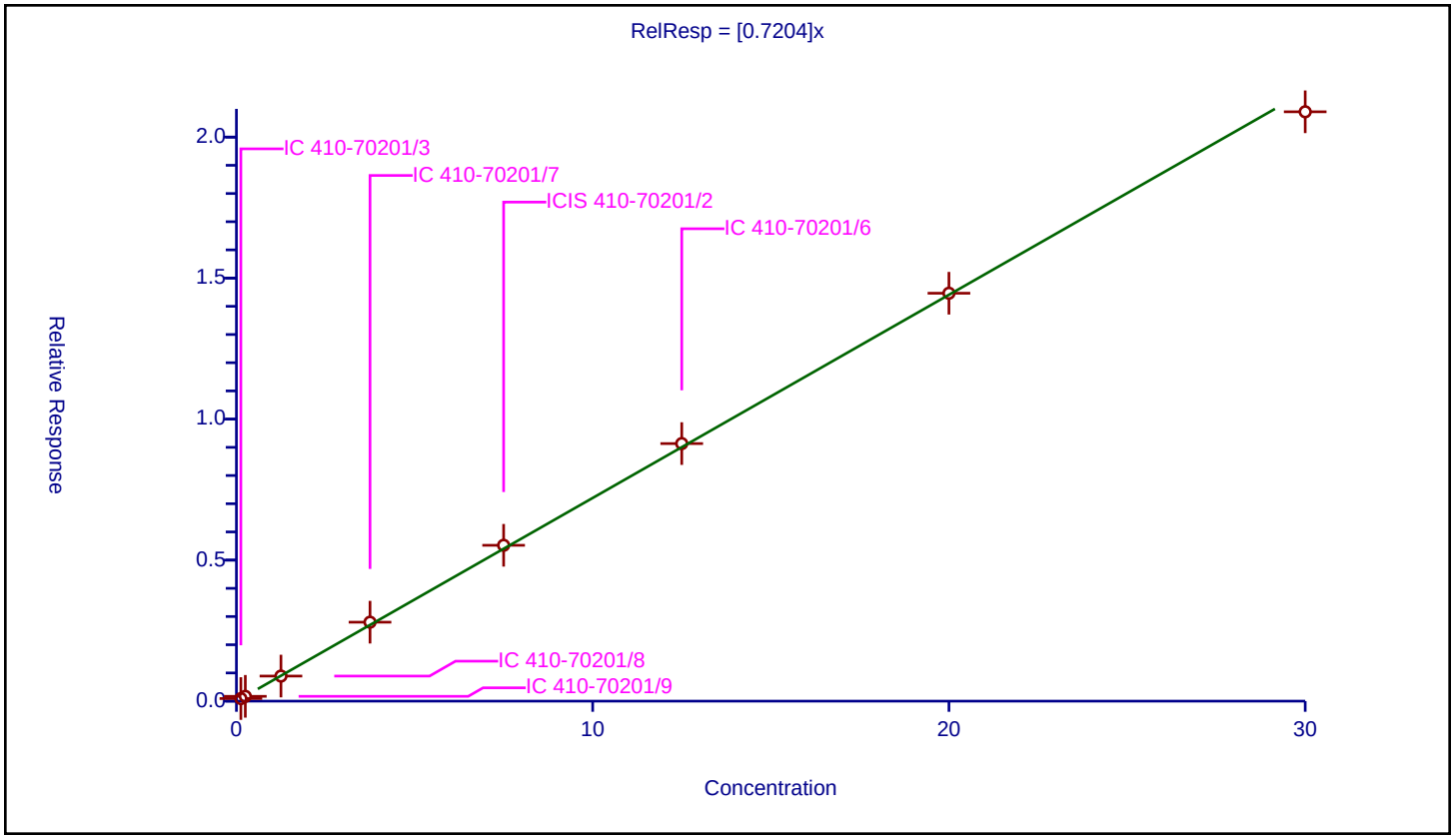
Curve Coefficients

Intercept:	0
Slope:	0.7204

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	3.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.092221	5.0	1028783.0	0.737765	Y
2	IC 410-70201/9	0.25	0.170162	5.0	1086262.0	0.680646	Y
3	IC 410-70201/8	1.25	0.889004	5.0	1066508.0	0.711203	Y
4	IC 410-70201/7	3.75	2.799702	5.0	1083508.0	0.746587	Y
5	ICIS 410-70201/2	7.5	5.525766	5.0	1053938.0	0.736769	Y
6	IC 410-70201/6	12.5	9.132703	5.0	1229025.0	0.730616	Y
7	IC 410-70201/5	20.0	14.463681	5.0	1137513.0	0.723184	Y
8	IC 410-70201/4	30.0	20.896754	5.0	1094235.0	0.696558	Y



Calibration / 1-Methylnaphthalene

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

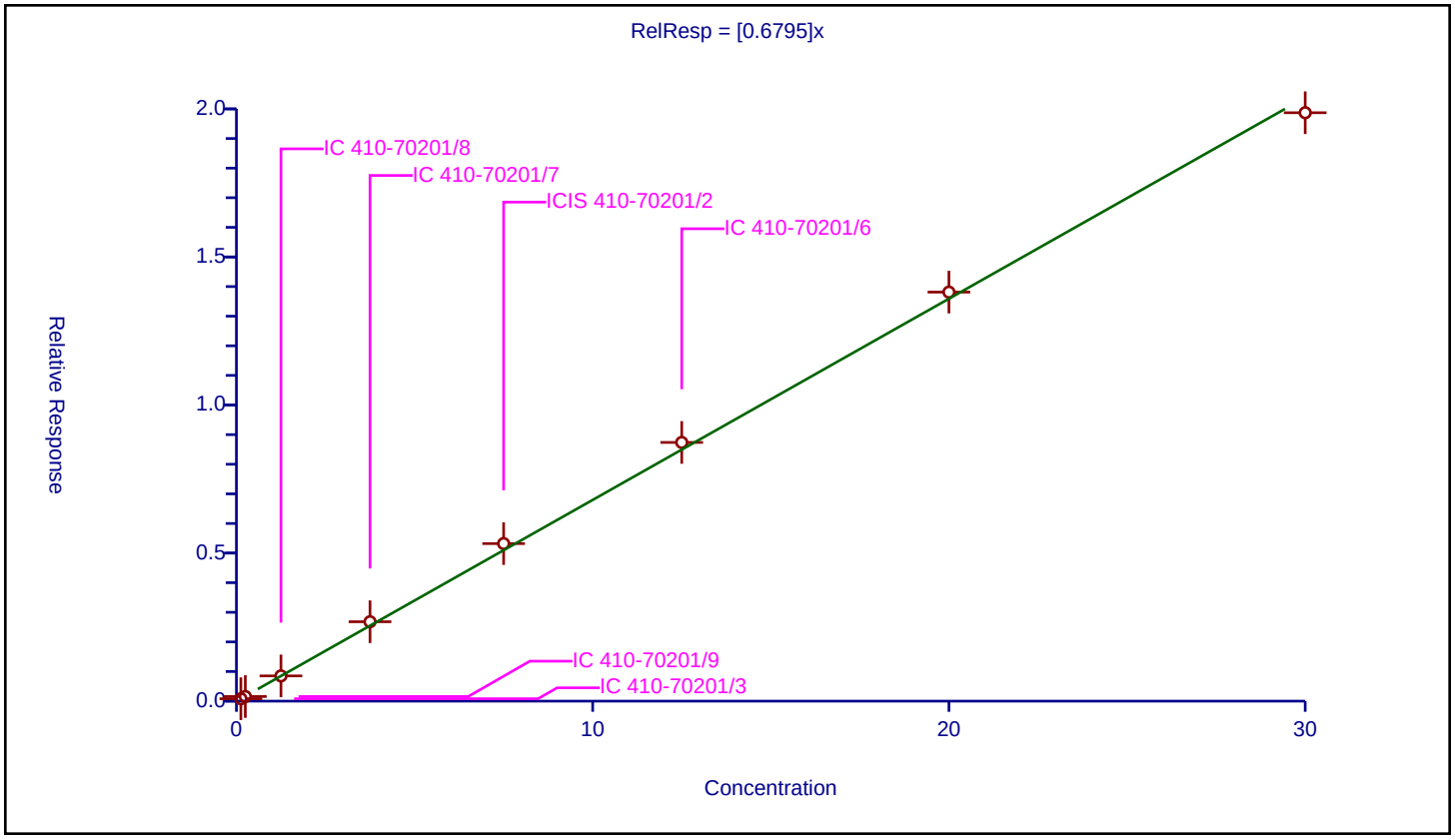
Curve Coefficients

Intercept:	0
Slope:	0.6795

Error Coefficients

Standard Error:	2240000
Relative Standard Error:	4.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.081596	5.0	1028783.0	0.652771	Y
2	IC 410-70201/9	0.25	0.156201	5.0	1086262.0	0.624803	Y
3	IC 410-70201/8	1.25	0.852488	5.0	1066508.0	0.68199	Y
4	IC 410-70201/7	3.75	2.68142	5.0	1083508.0	0.715045	Y
5	ICIS 410-70201/2	7.5	5.320854	5.0	1053938.0	0.709447	Y
6	IC 410-70201/6	12.5	8.736641	5.0	1229025.0	0.698931	Y
7	IC 410-70201/5	20.0	13.813003	5.0	1137513.0	0.69065	Y
8	IC 410-70201/4	30.0	19.870773	5.0	1094235.0	0.662359	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

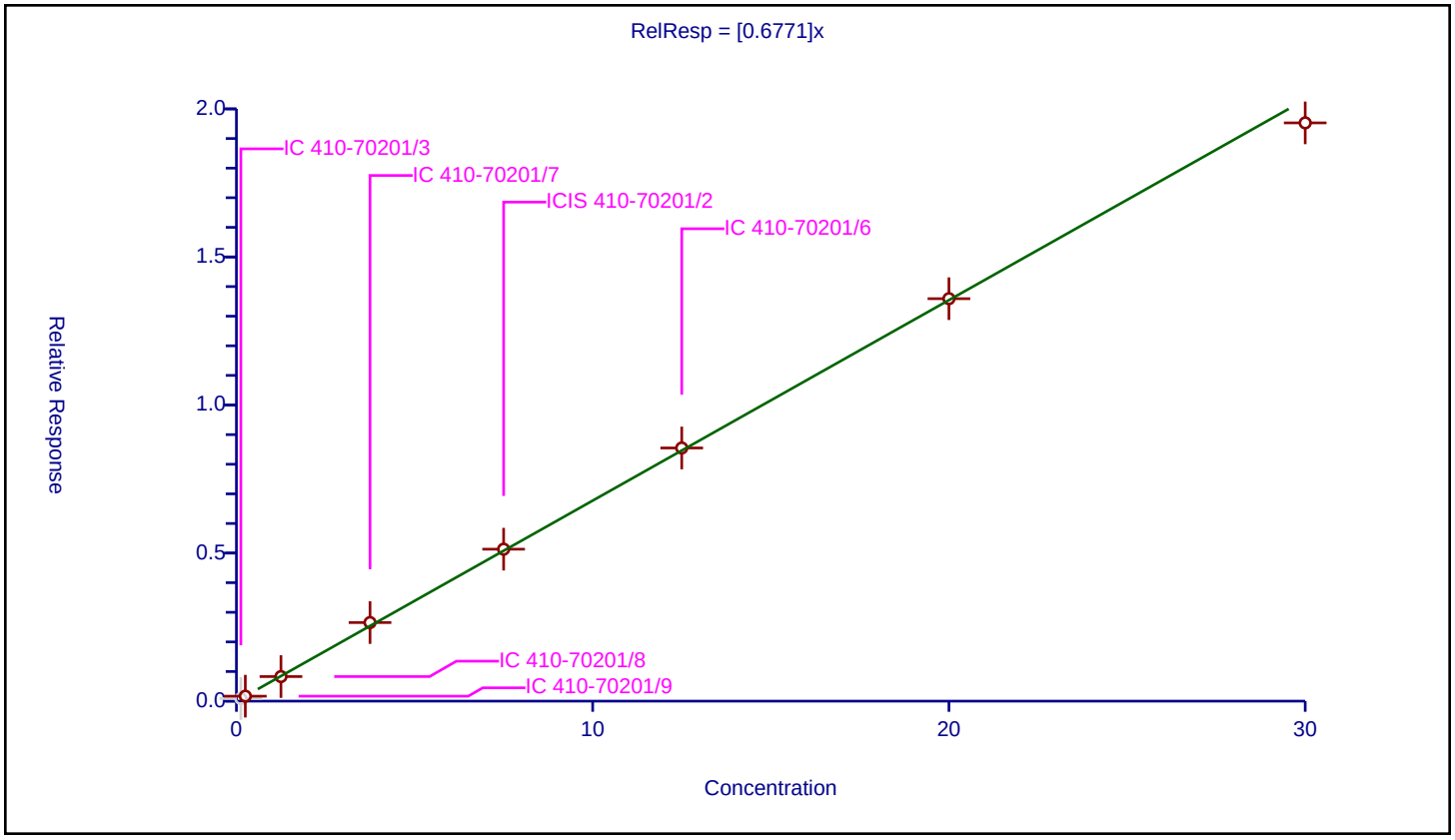
Curve Coefficients

Intercept:	0
Slope:	0.6771

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	2.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.088035	5.0	504572.0	0.70428	N
2	IC 410-70201/9	0.25	0.167504	5.0	521360.0	0.670017	Y
3	IC 410-70201/8	1.25	0.829526	5.0	521961.0	0.66362	Y
4	IC 410-70201/7	3.75	2.653779	5.0	527804.0	0.707674	Y
5	ICIS 410-70201/2	7.5	5.131538	5.0	519774.0	0.684205	Y
6	IC 410-70201/6	12.5	8.549061	5.0	604064.0	0.683925	Y
7	IC 410-70201/5	20.0	13.590837	5.0	554517.0	0.679542	Y
8	IC 410-70201/4	30.0	19.527606	5.0	531199.0	0.65092	Y



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

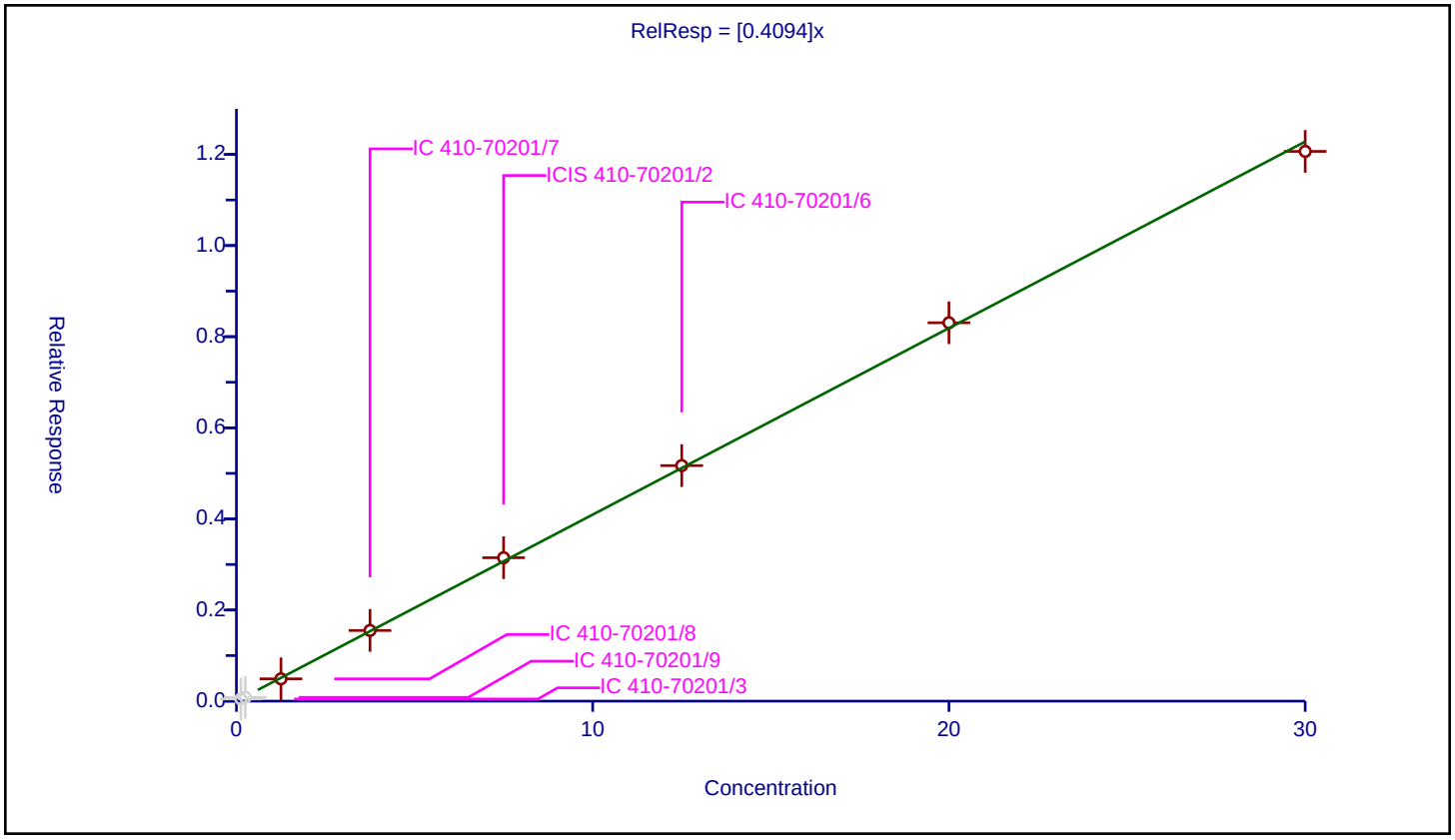
Curve Coefficients

Intercept:	0
Slope:	0.4094

Error Coefficients

Standard Error:	777000
Relative Standard Error:	2.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.047843	5.0	504572.0	0.38274	N
2	IC 410-70201/9	0.25	0.083445	5.0	521360.0	0.333781	N
3	IC 410-70201/8	1.25	0.489826	5.0	521961.0	0.391861	Y
4	IC 410-70201/7	3.75	1.551286	5.0	527804.0	0.413676	Y
5	ICIS 410-70201/2	7.5	3.147705	5.0	519774.0	0.419694	Y
6	IC 410-70201/6	12.5	5.170272	5.0	604064.0	0.413622	Y
7	IC 410-70201/5	20.0	8.305201	5.0	554517.0	0.41526	Y
8	IC 410-70201/4	30.0	12.066862	5.0	531199.0	0.402229	Y



Calibration / Isosafrole Peak 1

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

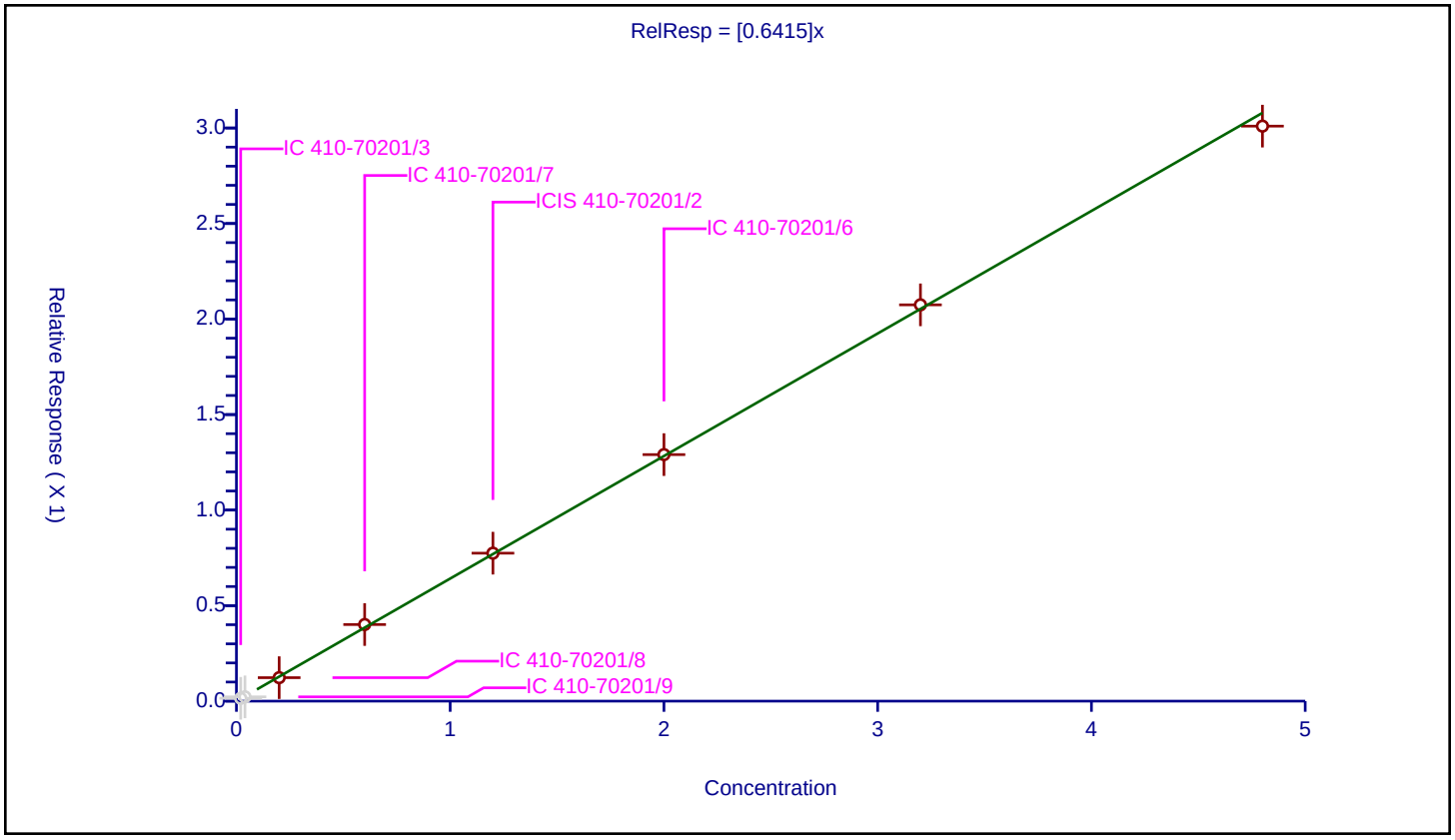
Curve Coefficients

Intercept:	0
Slope:	0.6415

Error Coefficients

Standard Error:	194000
Relative Standard Error:	2.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.02	0.014993	5.0	504572.0	0.749645	N
2	IC 410-70201/9	0.04	0.022422	5.0	521360.0	0.560553	N
3	IC 410-70201/8	0.2	0.122902	5.0	521961.0	0.61451	Y
4	IC 410-70201/7	0.6	0.401048	5.0	527804.0	0.668414	Y
5	ICIS 410-70201/2	1.2	0.7745	5.0	519774.0	0.645417	Y
6	IC 410-70201/6	2.0	1.290509	5.0	604064.0	0.645254	Y
7	IC 410-70201/5	3.2	2.074355	5.0	554517.0	0.648236	Y
8	IC 410-70201/4	4.8	3.009785	5.0	531199.0	0.627039	Y



Calibration / 2,4,6-Trichlorophenol

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

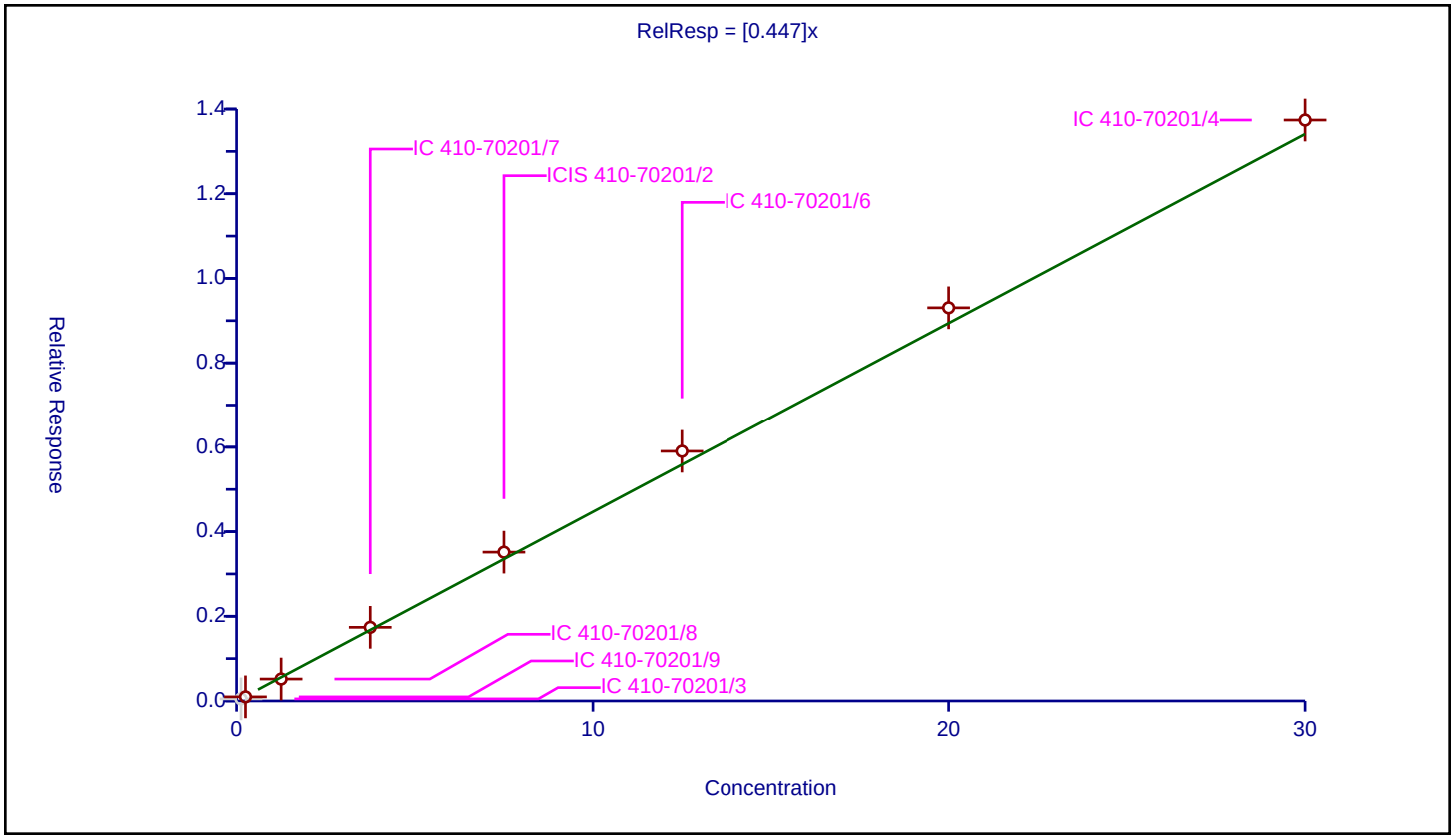
Curve Coefficients

Intercept:	0
Slope:	0.447

Error Coefficients

Standard Error:	804000
Relative Standard Error:	7.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.049339	5.0	504572.0	0.394711	N
2	IC 410-70201/9	0.25	0.096766	5.0	521360.0	0.387065	Y
3	IC 410-70201/8	1.25	0.517587	5.0	521961.0	0.414069	Y
4	IC 410-70201/7	3.75	1.73877	5.0	527804.0	0.463672	Y
5	ICIS 410-70201/2	7.5	3.51522	5.0	519774.0	0.468696	Y
6	IC 410-70201/6	12.5	5.903555	5.0	604064.0	0.472284	Y
7	IC 410-70201/5	20.0	9.305224	5.0	554517.0	0.465261	Y
8	IC 410-70201/4	30.0	13.740491	5.0	531199.0	0.458016	Y



Calibration / 2,4,5-Trichlorophenol

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

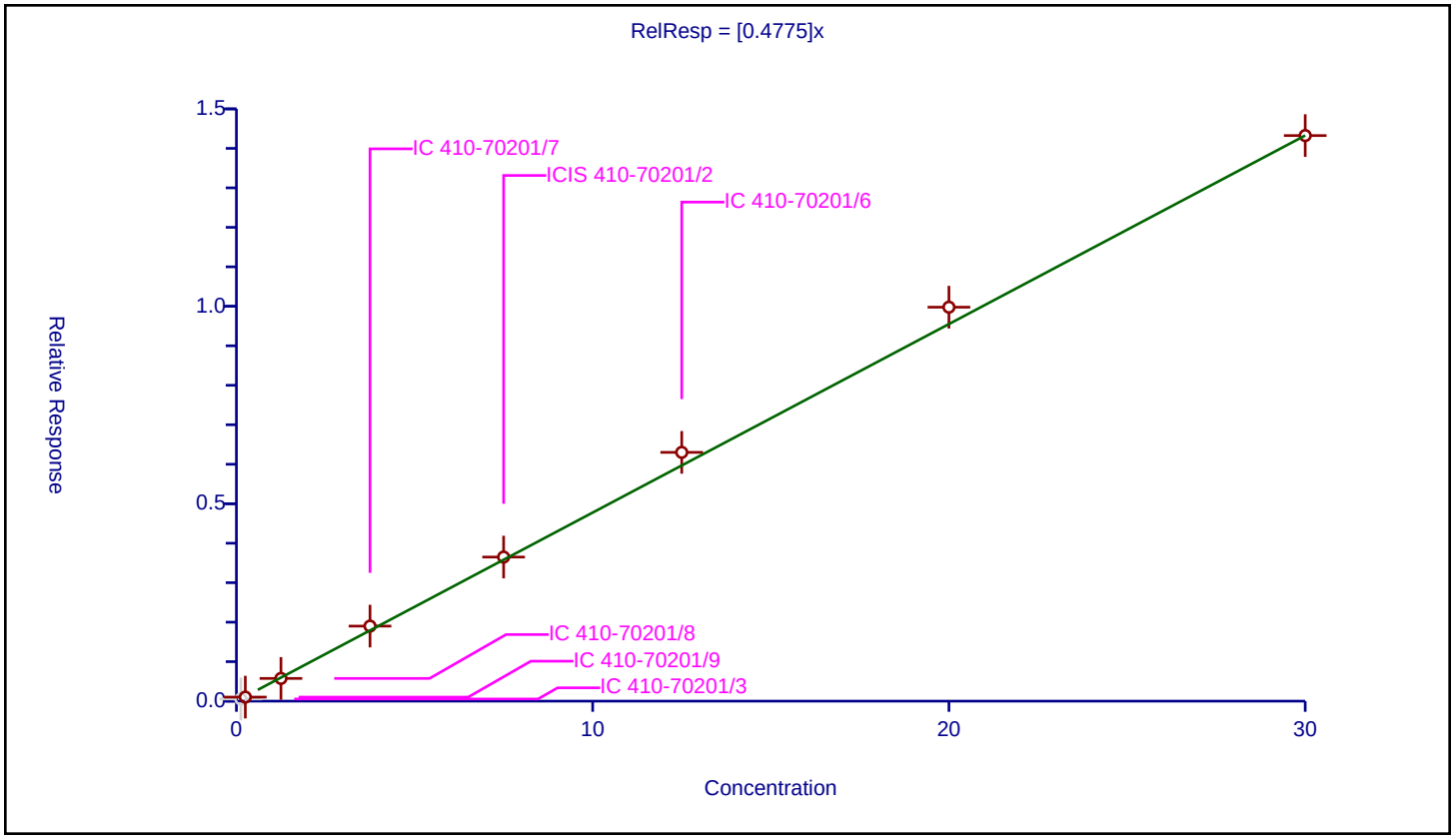
Curve Coefficients

Intercept:	0
Slope:	0.4775

Error Coefficients

Standard Error:	847000
Relative Standard Error:	7.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.054244	5.0	504572.0	0.433952	N
2	IC 410-70201/9	0.25	0.102204	5.0	521360.0	0.408815	Y
3	IC 410-70201/8	1.25	0.575282	5.0	521961.0	0.460226	Y
4	IC 410-70201/7	3.75	1.900355	5.0	527804.0	0.506761	Y
5	ICIS 410-70201/2	7.5	3.649221	5.0	519774.0	0.486563	Y
6	IC 410-70201/6	12.5	6.30093	5.0	604064.0	0.504074	Y
7	IC 410-70201/5	20.0	9.977683	5.0	554517.0	0.498884	Y
8	IC 410-70201/4	30.0	14.324293	5.0	531199.0	0.477476	Y



Calibration / 2-Fluorobiphenyl (Surr)

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

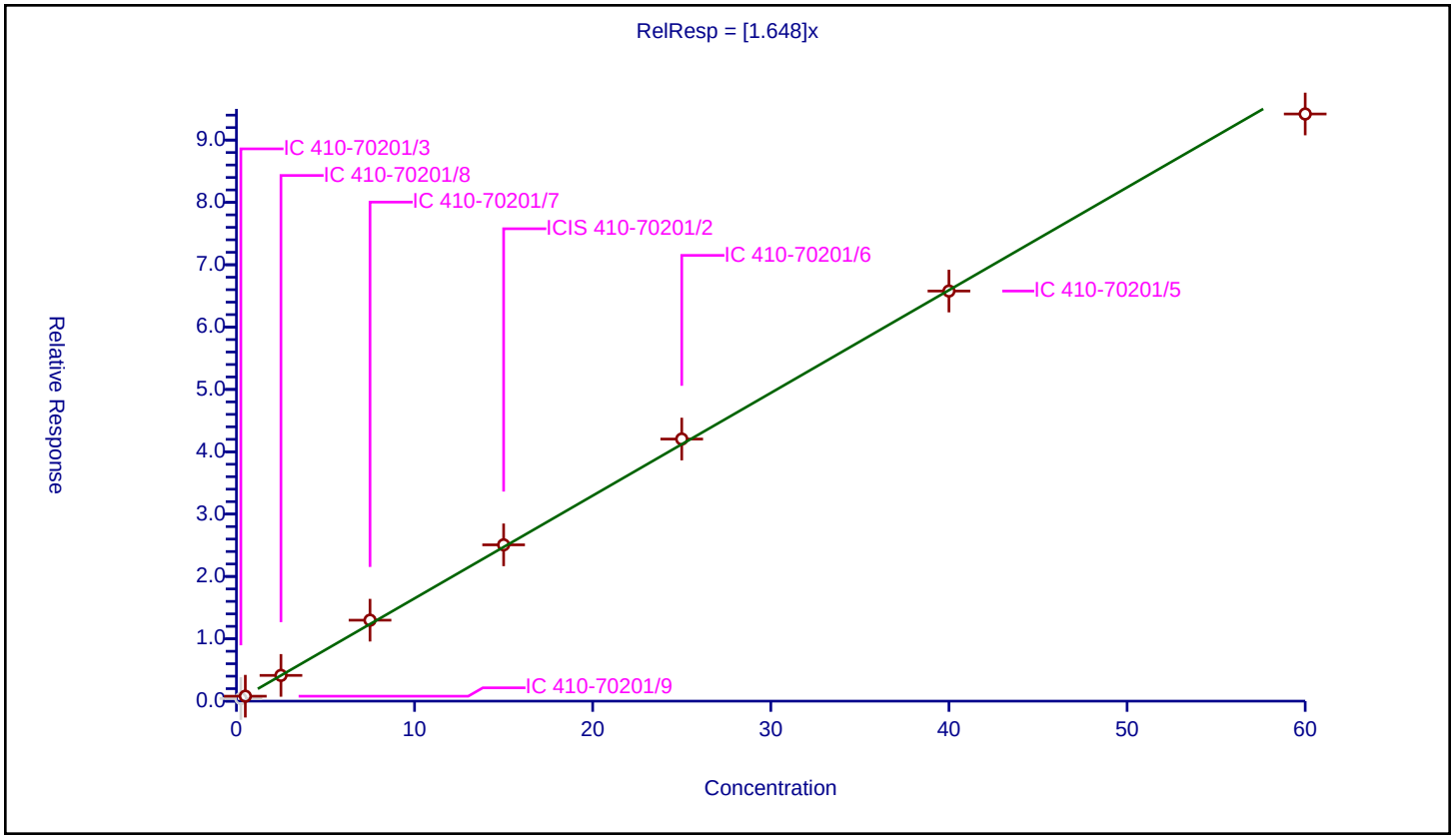
Curve Coefficients

Intercept:	0
Slope:	1.648

Error Coefficients

Standard Error:	5600000
Relative Standard Error:	3.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.25	0.417532	5.0	504572.0	1.670128	N
2	IC 410-70201/9	0.5	0.793463	5.0	521360.0	1.586926	Y
3	IC 410-70201/8	2.5	4.127119	5.0	521961.0	1.650847	Y
4	IC 410-70201/7	7.5	12.984924	5.0	527804.0	1.731323	Y
5	ICIS 410-70201/2	15.0	25.071223	5.0	519774.0	1.671415	Y
6	IC 410-70201/6	25.0	42.039329	5.0	604064.0	1.681573	Y
7	IC 410-70201/5	40.0	65.783754	5.0	554517.0	1.644594	Y
8	IC 410-70201/4	60.0	94.184816	5.0	531199.0	1.569747	Y



Calibration / Isosafrole Peak 2

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

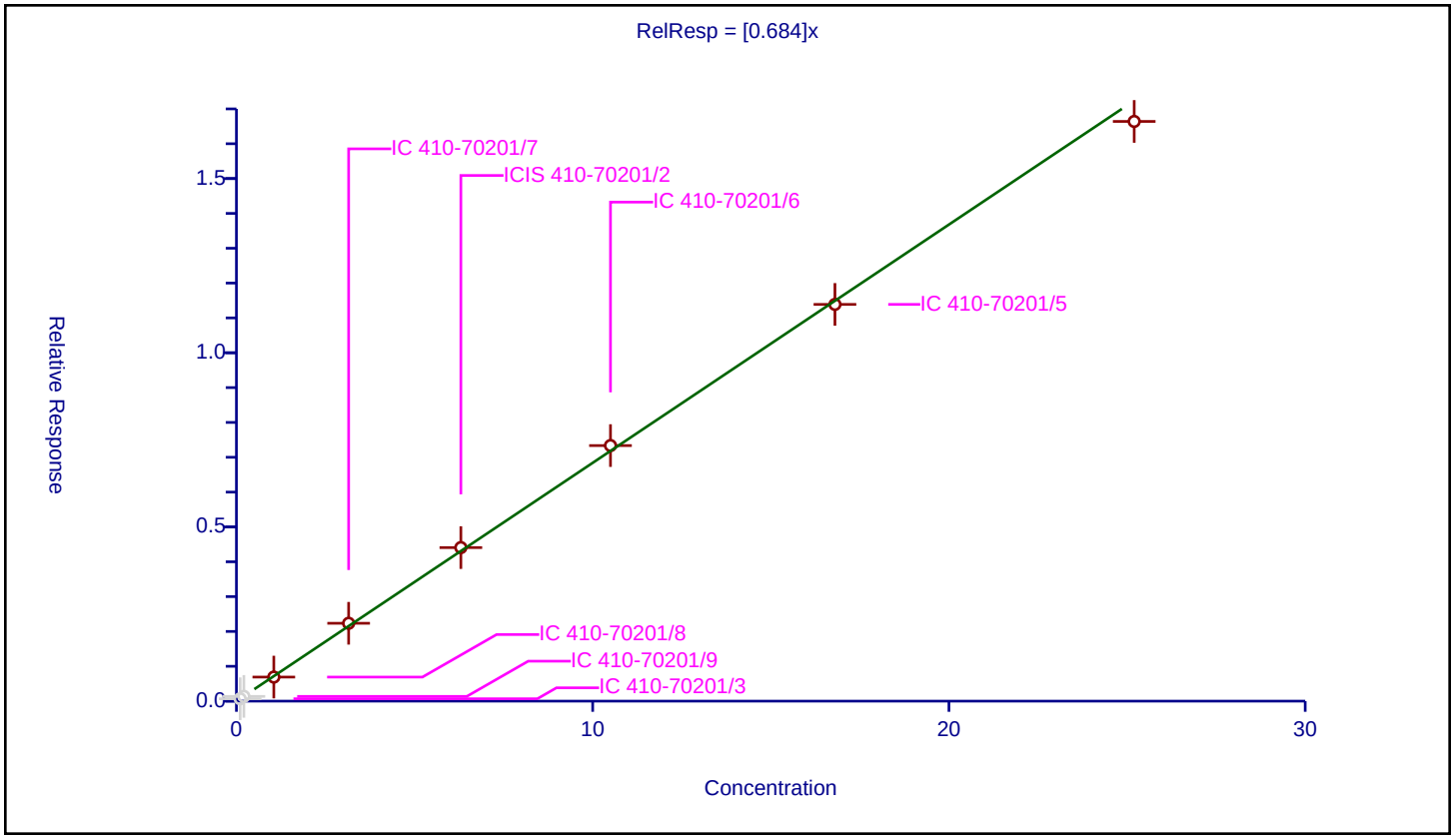
Curve Coefficients

Intercept:	0
Slope:	0.684

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	3.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.105	0.068236	5.0	504572.0	0.649867	N
2	IC 410-70201/9	0.21	0.136384	5.0	521360.0	0.649446	N
3	IC 410-70201/8	1.05	0.691	5.0	521961.0	0.658095	Y
4	IC 410-70201/7	3.15	2.234665	5.0	527804.0	0.709417	Y
5	ICIS 410-70201/2	6.3	4.407483	5.0	519774.0	0.6996	Y
6	IC 410-70201/6	10.5	7.335779	5.0	604064.0	0.698646	Y
7	IC 410-70201/5	16.8	11.387649	5.0	554517.0	0.677836	Y
8	IC 410-70201/4	25.2	16.639574	5.0	531199.0	0.660301	Y



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

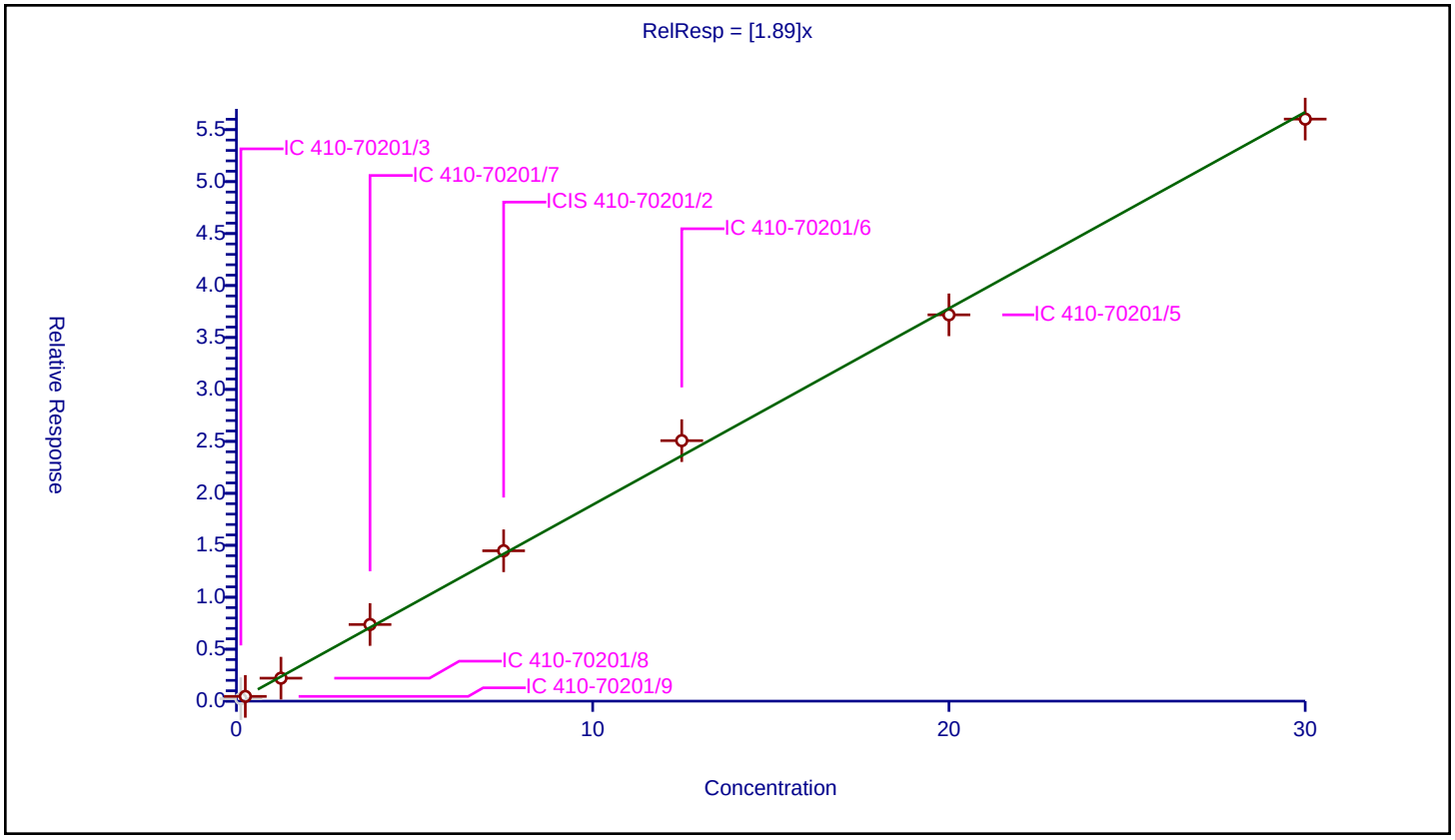
Curve Coefficients

Intercept:	0
Slope:	1.89

Error Coefficients

Standard Error:	3280000
Relative Standard Error:	4.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.237409	5.0	504572.0	1.899273	N
2	IC 410-70201/9	0.25	0.457736	5.0	521360.0	1.830942	Y
3	IC 410-70201/8	1.25	2.210251	5.0	521961.0	1.768201	Y
4	IC 410-70201/7	3.75	7.376204	5.0	527804.0	1.966988	Y
5	ICIS 410-70201/2	7.5	14.470154	5.0	519774.0	1.929354	Y
6	IC 410-70201/6	12.5	25.072054	5.0	604064.0	2.005764	Y
7	IC 410-70201/5	20.0	37.179816	5.0	554517.0	1.858991	Y
8	IC 410-70201/4	30.0	56.017688	5.0	531199.0	1.867256	Y



Calibration / 2-Chloronaphthalene

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

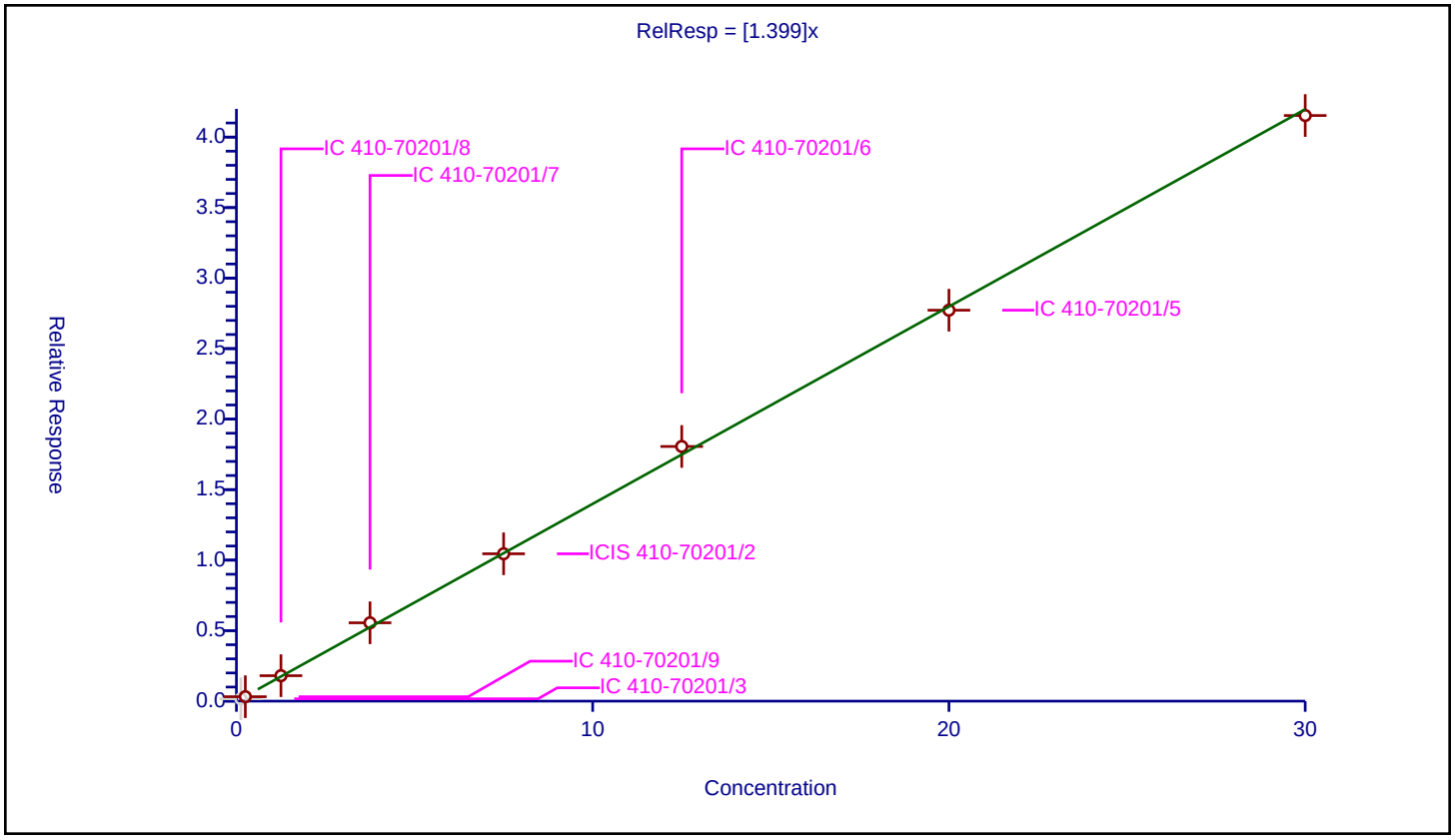
Curve Coefficients

Intercept:	0
Slope:	1.399

Error Coefficients

Standard Error:	2420000
Relative Standard Error:	5.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.166111	5.0	504572.0	1.328889	N
2	IC 410-70201/9	0.25	0.315022	5.0	521360.0	1.260089	Y
3	IC 410-70201/8	1.25	1.803823	5.0	521961.0	1.443058	Y
4	IC 410-70201/7	3.75	5.55568	5.0	527804.0	1.481515	Y
5	ICIS 410-70201/2	7.5	10.449801	5.0	519774.0	1.393307	Y
6	IC 410-70201/6	12.5	18.059461	5.0	604064.0	1.444757	Y
7	IC 410-70201/5	20.0	27.724452	5.0	554517.0	1.386223	Y
8	IC 410-70201/4	30.0	41.528881	5.0	531199.0	1.384296	Y



Calibration / 1-Chloronaphthalene

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

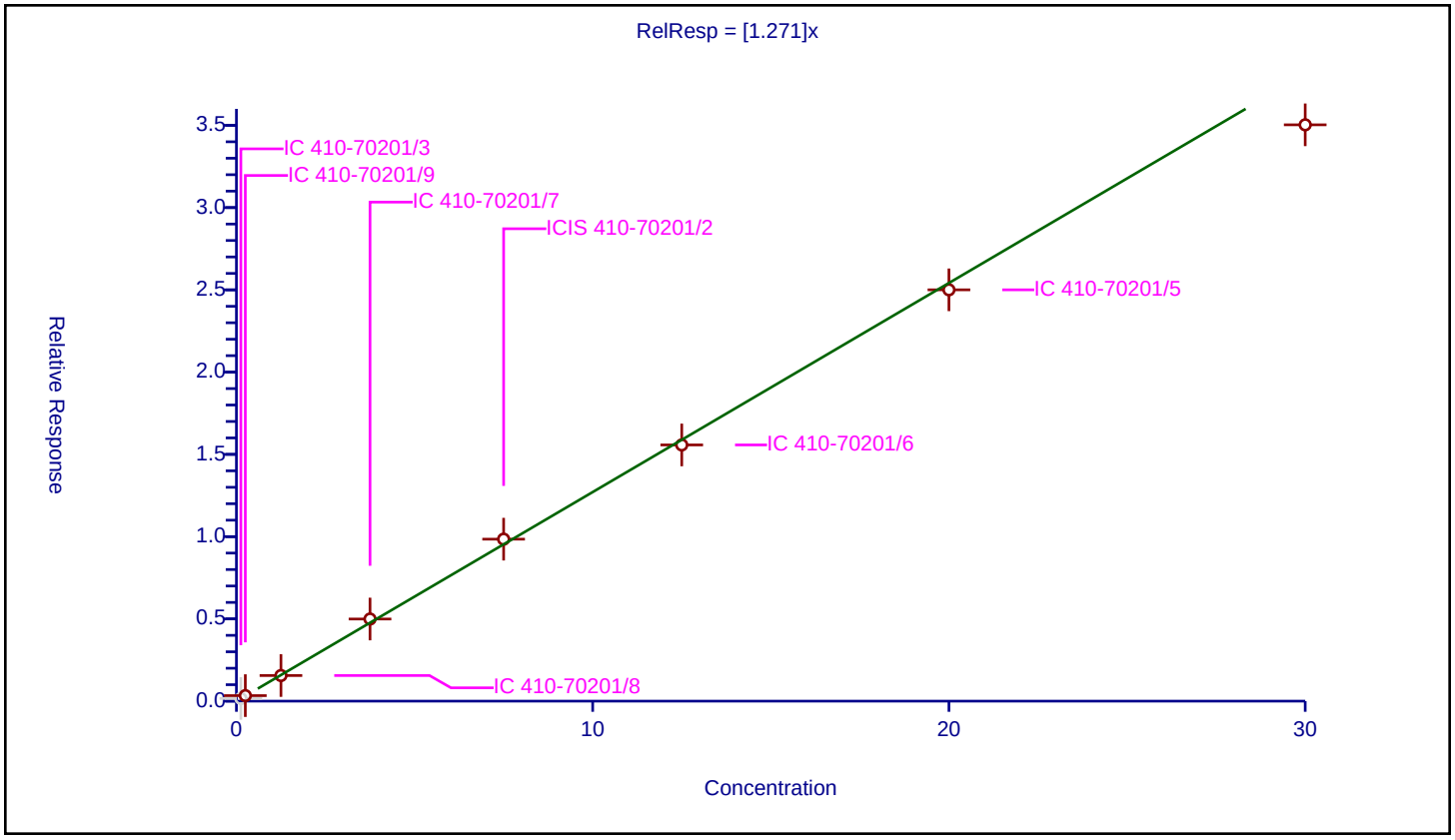
Curve Coefficients

Intercept:	0
Slope:	1.271

Error Coefficients

Standard Error:	2100000
Relative Standard Error:	4.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.164654	5.0	504572.0	1.317235	N
2	IC 410-70201/9	0.25	0.335718	5.0	521360.0	1.342872	Y
3	IC 410-70201/8	1.25	1.556668	5.0	521961.0	1.245334	Y
4	IC 410-70201/7	3.75	4.991341	5.0	527804.0	1.331024	Y
5	ICIS 410-70201/2	7.5	9.84627	5.0	519774.0	1.312836	Y
6	IC 410-70201/6	12.5	15.574012	5.0	604064.0	1.245921	Y
7	IC 410-70201/5	20.0	25.002471	5.0	554517.0	1.250124	Y
8	IC 410-70201/4	30.0	35.031062	5.0	531199.0	1.167702	Y



Calibration / 2-Nitroaniline

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

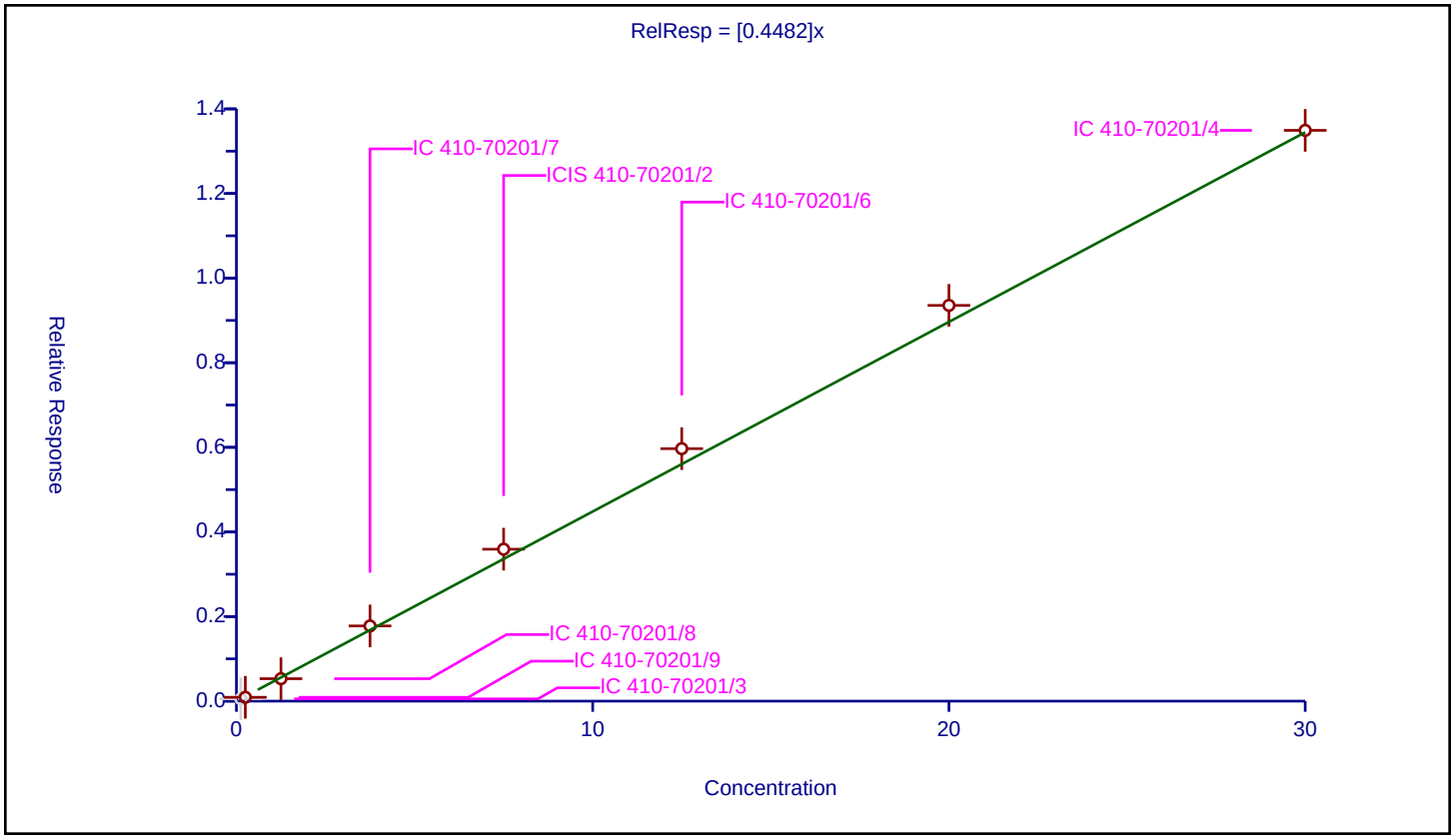
Curve Coefficients

Intercept:	0
Slope:	0.4482

Error Coefficients

Standard Error:	799000
Relative Standard Error:	9.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.054135	5.0	504572.0	0.43308	N
2	IC 410-70201/9	0.25	0.09129	5.0	521360.0	0.36516	Y
3	IC 410-70201/8	1.25	0.530634	5.0	521961.0	0.424507	Y
4	IC 410-70201/7	3.75	1.777601	5.0	527804.0	0.474027	Y
5	ICIS 410-70201/2	7.5	3.591648	5.0	519774.0	0.478886	Y
6	IC 410-70201/6	12.5	5.968523	5.0	604064.0	0.477482	Y
7	IC 410-70201/5	20.0	9.35488	5.0	554517.0	0.467744	Y
8	IC 410-70201/4	30.0	13.49226	5.0	531199.0	0.449742	Y



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

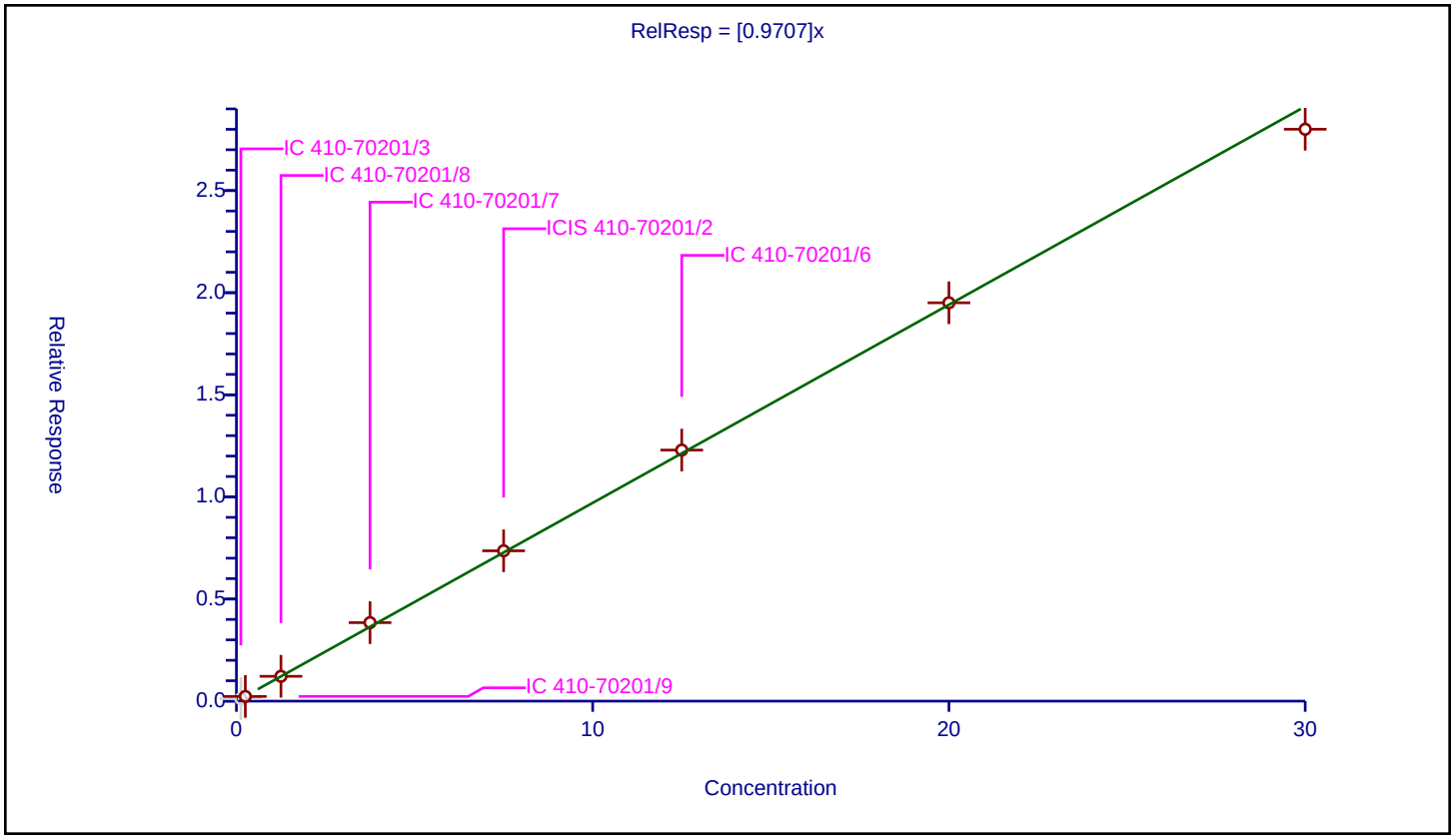
Curve Coefficients

Intercept:	0
Slope:	0.9707

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	3.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.121509	5.0	504572.0	0.972071	N
2	IC 410-70201/9	0.25	0.230676	5.0	521360.0	0.922702	Y
3	IC 410-70201/8	1.25	1.216499	5.0	521961.0	0.973199	Y
4	IC 410-70201/7	3.75	3.844344	5.0	527804.0	1.025158	Y
5	ICIS 410-70201/2	7.5	7.360824	5.0	519774.0	0.981443	Y
6	IC 410-70201/6	12.5	12.294227	5.0	604064.0	0.983538	Y
7	IC 410-70201/5	20.0	19.505047	5.0	554517.0	0.975252	Y
8	IC 410-70201/4	30.0	28.003027	5.0	531199.0	0.933434	Y



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

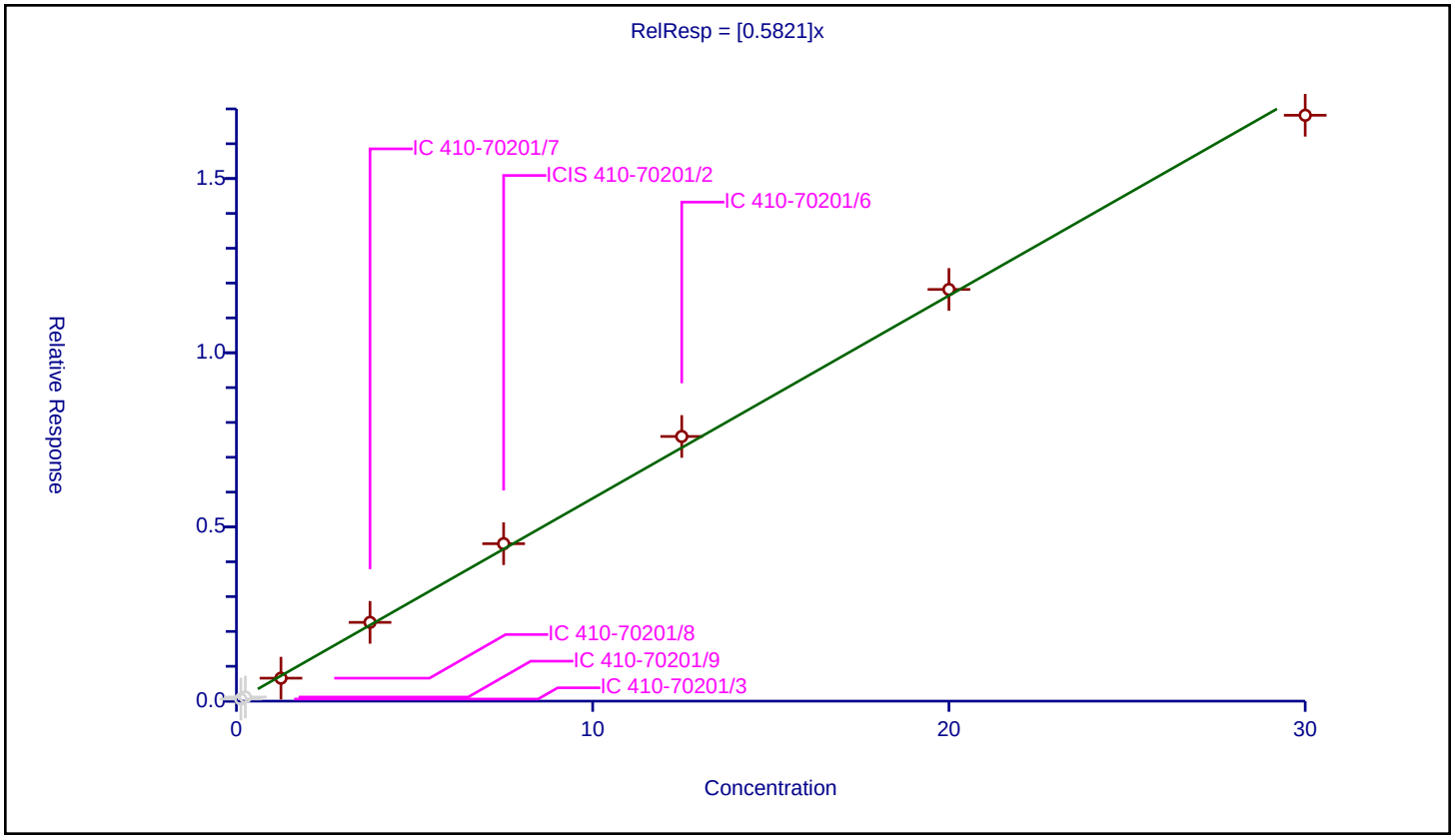
Curve Coefficients

Intercept:	0
Slope:	0.5821

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	5.4
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.059991	5.0	504572.0	0.479932	N
2	IC 410-70201/9	0.25	0.11775	5.0	521360.0	0.470999	N
3	IC 410-70201/8	1.25	0.659513	5.0	521961.0	0.52761	Y
4	IC 410-70201/7	3.75	2.260915	5.0	527804.0	0.602911	Y
5	ICIS 410-70201/2	7.5	4.519637	5.0	519774.0	0.602618	Y
6	IC 410-70201/6	12.5	7.596993	5.0	604064.0	0.607759	Y
7	IC 410-70201/5	20.0	11.817284	5.0	554517.0	0.590864	Y
8	IC 410-70201/4	30.0	16.817031	5.0	531199.0	0.560568	Y



Calibration / 1,4-Dinitrobenzene

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

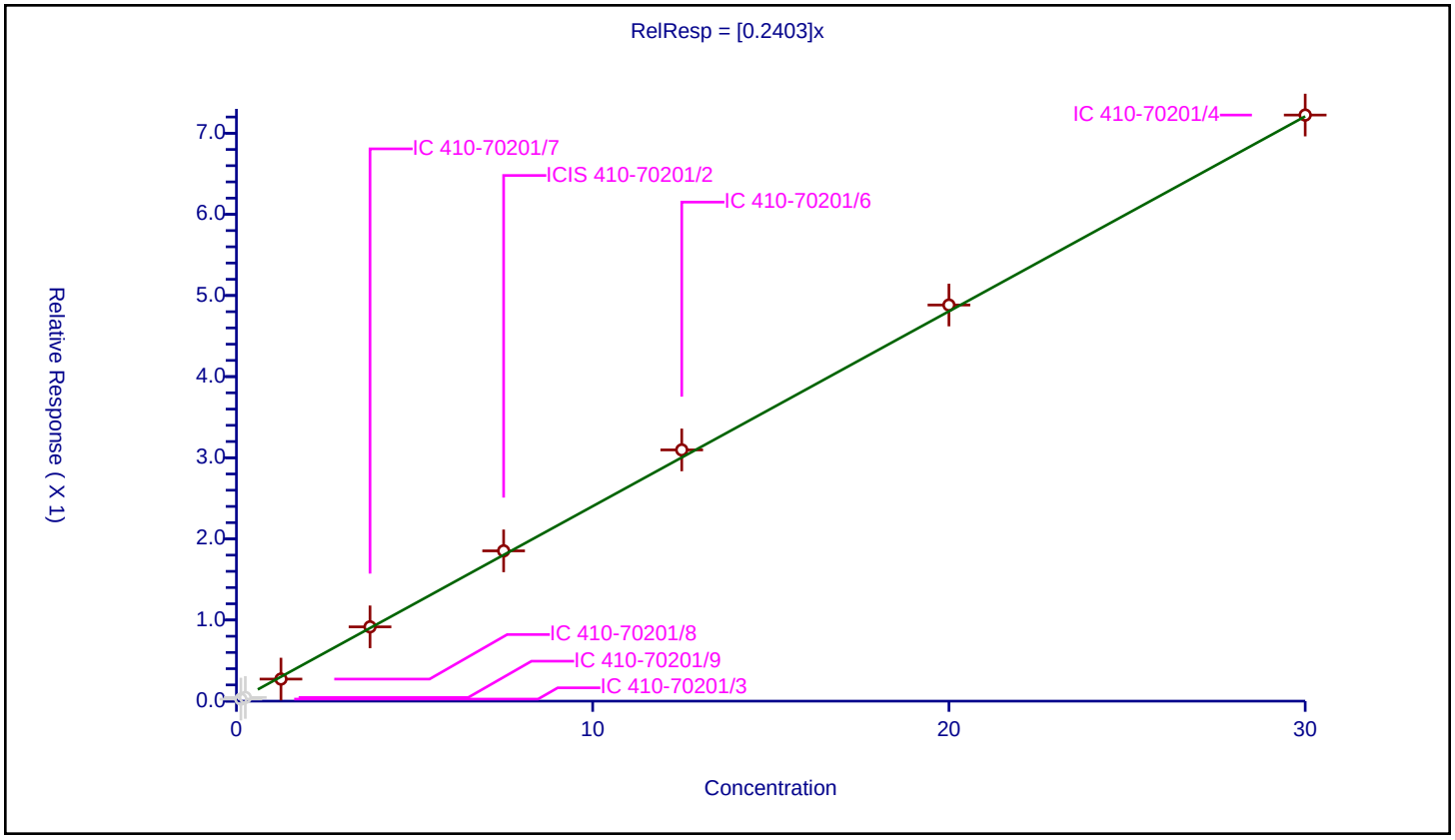
Curve Coefficients

Intercept:	0
Slope:	0.2403

Error Coefficients

Standard Error:	462000
Relative Standard Error:	4.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.025487	5.0	504572.0	0.203896	N
2	IC 410-70201/9	0.25	0.045429	5.0	521360.0	0.181717	N
3	IC 410-70201/8	1.25	0.272137	5.0	521961.0	0.21771	Y
4	IC 410-70201/7	3.75	0.915738	5.0	527804.0	0.244197	Y
5	ICIS 410-70201/2	7.5	1.852247	5.0	519774.0	0.246966	Y
6	IC 410-70201/6	12.5	3.09675	5.0	604064.0	0.24774	Y
7	IC 410-70201/5	20.0	4.882474	5.0	554517.0	0.244124	Y
8	IC 410-70201/4	30.0	7.224101	5.0	531199.0	0.240803	Y



Calibration / Dimethyl phthalate

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

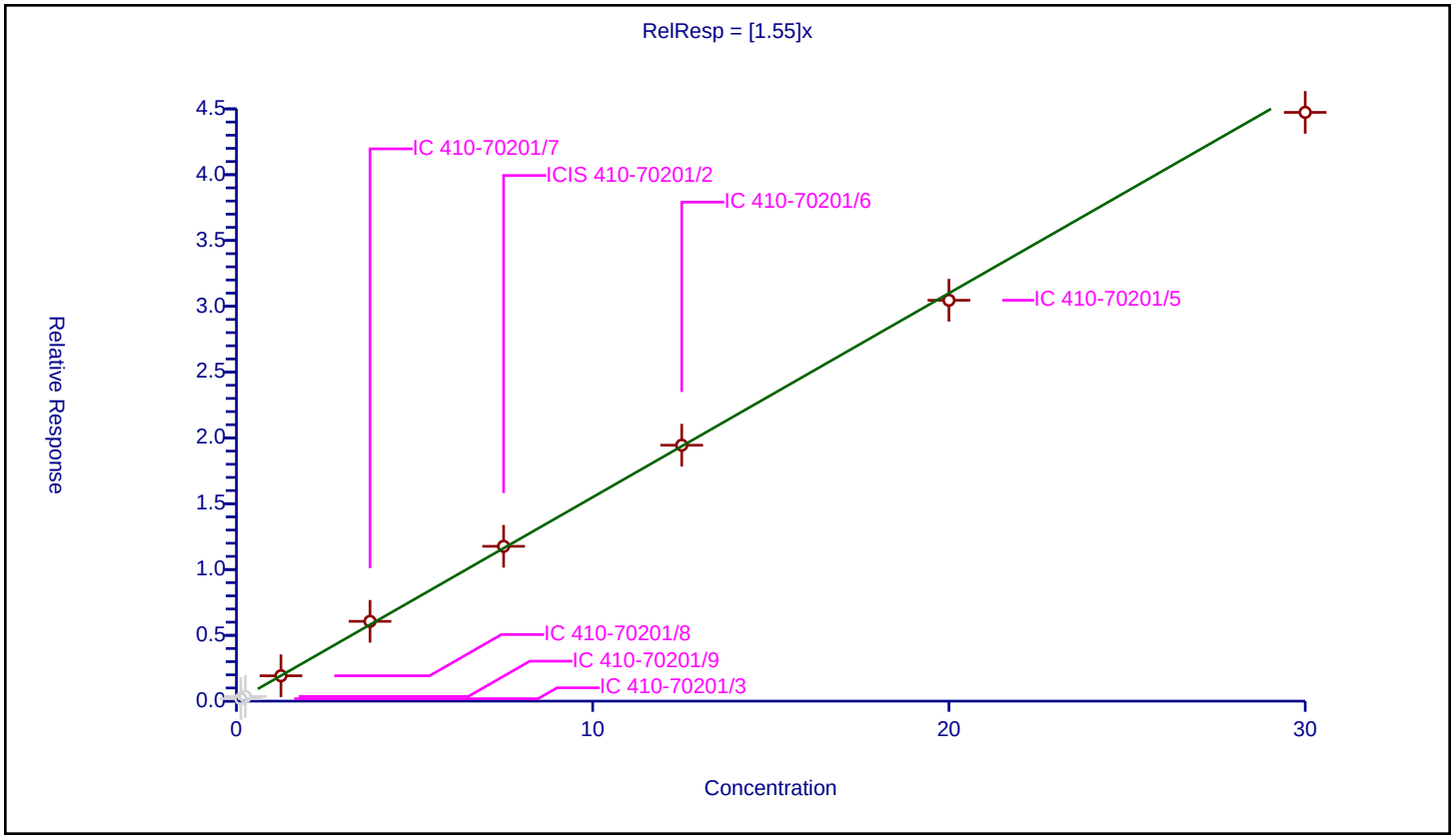
Curve Coefficients

Intercept:	0
Slope:	1.55

Error Coefficients

Standard Error:	2880000
Relative Standard Error:	2.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.18594	5.0	504572.0	1.487518	N
2	IC 410-70201/9	0.25	0.353738	5.0	521360.0	1.414953	N
3	IC 410-70201/8	1.25	1.927807	5.0	521961.0	1.542245	Y
4	IC 410-70201/7	3.75	6.063037	5.0	527804.0	1.61681	Y
5	ICIS 410-70201/2	7.5	11.764613	5.0	519774.0	1.568615	Y
6	IC 410-70201/6	12.5	19.447674	5.0	604064.0	1.555814	Y
7	IC 410-70201/5	20.0	30.458931	5.0	554517.0	1.522947	Y
8	IC 410-70201/4	30.0	44.734977	5.0	531199.0	1.491166	Y



Calibration / 1,3-Dinitrobenzene

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

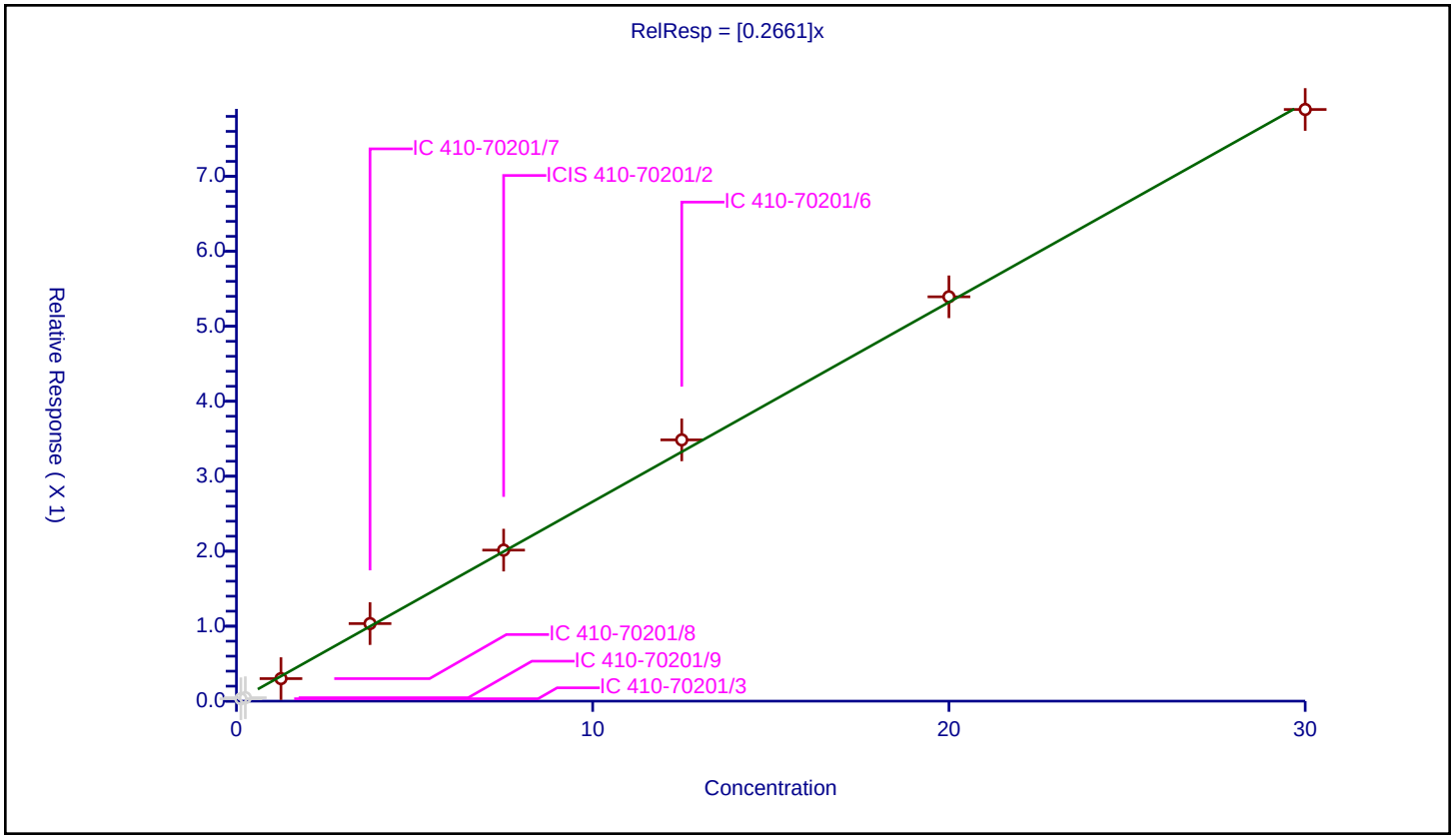
Curve Coefficients

Intercept:	0
Slope:	0.2661

Error Coefficients

Standard Error:	509000
Relative Standard Error:	5.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.032215	5.0	504572.0	0.257723	N
2	IC 410-70201/9	0.25	0.046062	5.0	521360.0	0.184249	N
3	IC 410-70201/8	1.25	0.300386	5.0	521961.0	0.240309	Y
4	IC 410-70201/7	3.75	1.034399	5.0	527804.0	0.27584	Y
5	ICIS 410-70201/2	7.5	2.014693	5.0	519774.0	0.268626	Y
6	IC 410-70201/6	12.5	3.485045	5.0	604064.0	0.278804	Y
7	IC 410-70201/5	20.0	5.393712	5.0	554517.0	0.269686	Y
8	IC 410-70201/4	30.0	7.892344	5.0	531199.0	0.263078	Y



Calibration / 2,6-Dinitrotoluene

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

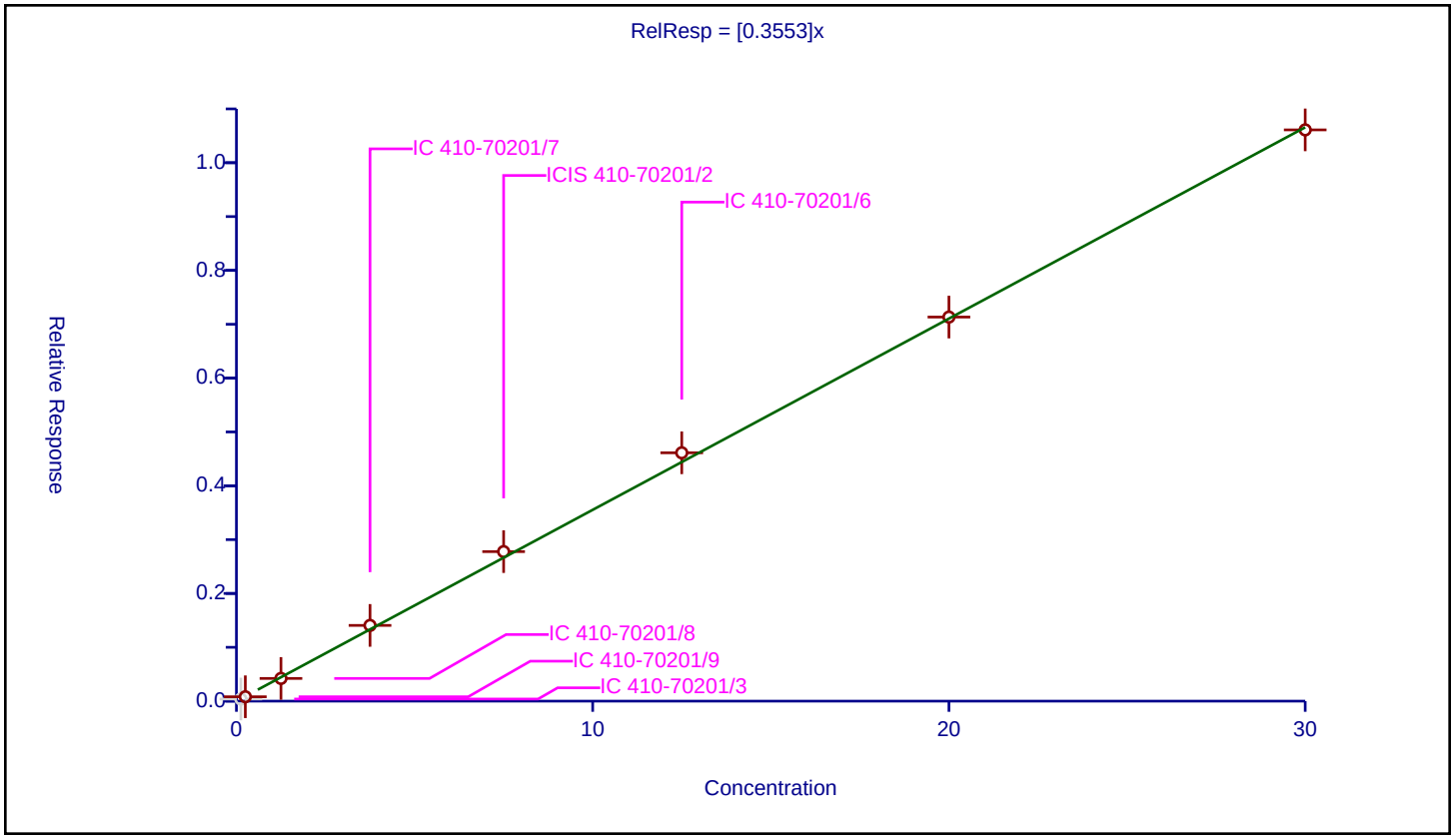
Curve Coefficients

Intercept:	0
Slope:	0.3553

Error Coefficients

Standard Error:	621000
Relative Standard Error:	5.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.039538	5.0	504572.0	0.316308	N
2	IC 410-70201/9	0.25	0.081172	5.0	521360.0	0.324689	Y
3	IC 410-70201/8	1.25	0.421669	5.0	521961.0	0.337336	Y
4	IC 410-70201/7	3.75	1.406412	5.0	527804.0	0.375043	Y
5	ICIS 410-70201/2	7.5	2.77739	5.0	519774.0	0.370319	Y
6	IC 410-70201/6	12.5	4.612806	5.0	604064.0	0.369024	Y
7	IC 410-70201/5	20.0	7.13337	5.0	554517.0	0.356669	Y
8	IC 410-70201/4	30.0	10.610317	5.0	531199.0	0.353677	Y



Calibration / Acenaphthylene

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

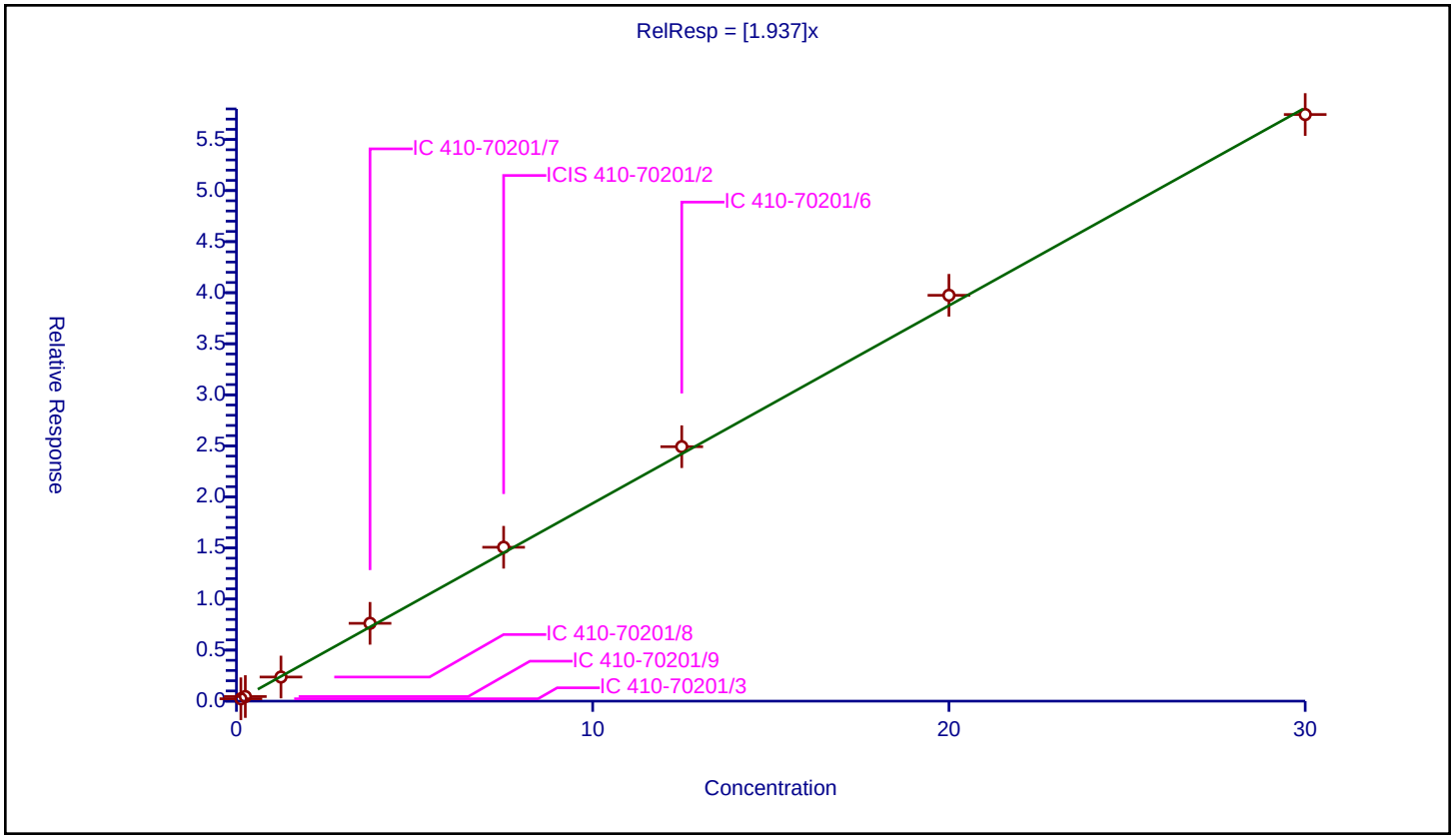
Curve Coefficients

Intercept:	0
Slope:	1.937

Error Coefficients

Standard Error:	3140000
Relative Standard Error:	4.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.233396	5.0	504572.0	1.867167	Y
2	IC 410-70201/9	0.25	0.450543	5.0	521360.0	1.802171	Y
3	IC 410-70201/8	1.25	2.362217	5.0	521961.0	1.889773	Y
4	IC 410-70201/7	3.75	7.621257	5.0	527804.0	2.032335	Y
5	ICIS 410-70201/2	7.5	15.070713	5.0	519774.0	2.009428	Y
6	IC 410-70201/6	12.5	24.918378	5.0	604064.0	1.99347	Y
7	IC 410-70201/5	20.0	39.746049	5.0	554517.0	1.987302	Y
8	IC 410-70201/4	30.0	57.448885	5.0	531199.0	1.914963	Y



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

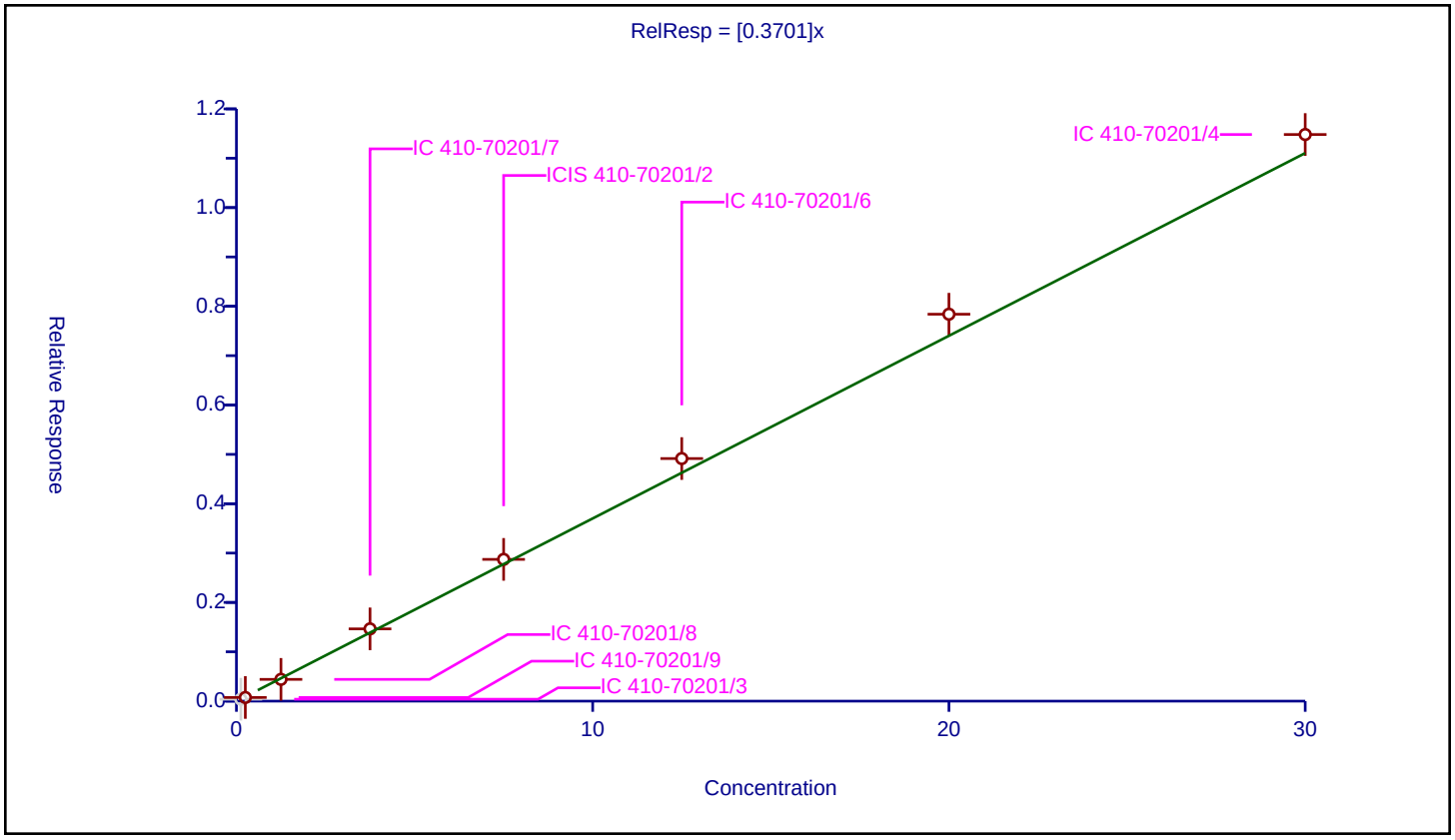
Curve Coefficients

Intercept:	0
Slope:	0.3701

Error Coefficients

Standard Error:	672000
Relative Standard Error:	9.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.039152	5.0	504572.0	0.313216	N
2	IC 410-70201/9	0.25	0.074123	5.0	521360.0	0.296494	Y
3	IC 410-70201/8	1.25	0.441249	5.0	521961.0	0.353	Y
4	IC 410-70201/7	3.75	1.464464	5.0	527804.0	0.390524	Y
5	ICIS 410-70201/2	7.5	2.872498	5.0	519774.0	0.383	Y
6	IC 410-70201/6	12.5	4.915514	5.0	604064.0	0.393241	Y
7	IC 410-70201/5	20.0	7.839949	5.0	554517.0	0.391997	Y
8	IC 410-70201/4	30.0	11.480669	5.0	531199.0	0.382689	Y



Calibration / Acenaphthene

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

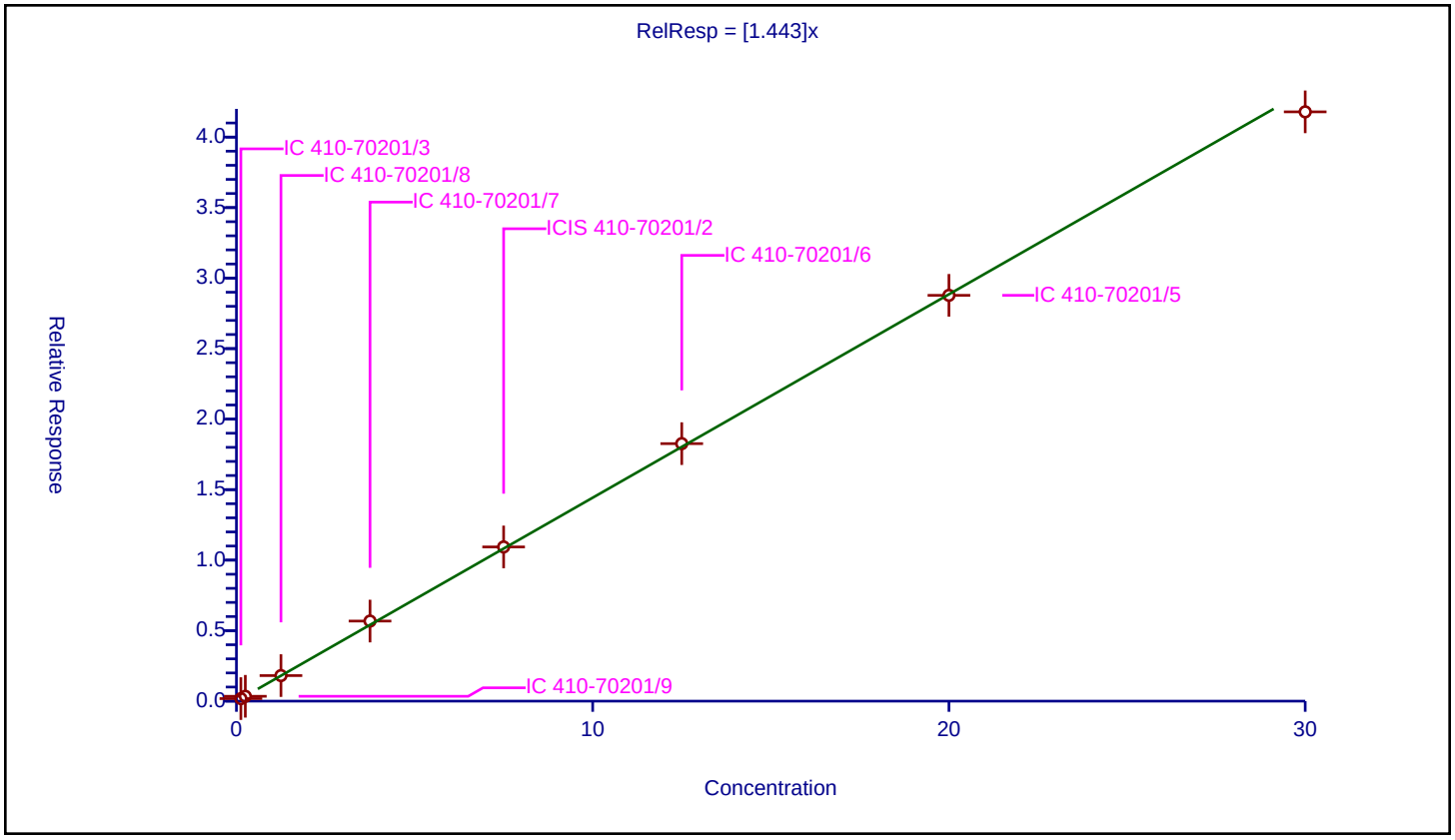
Curve Coefficients

Intercept:	0
Slope:	1.443

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	2.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.180985	5.0	504572.0	1.447881	Y
2	IC 410-70201/9	0.25	0.344503	5.0	521360.0	1.378011	Y
3	IC 410-70201/8	1.25	1.811869	5.0	521961.0	1.449495	Y
4	IC 410-70201/7	3.75	5.678917	5.0	527804.0	1.514378	Y
5	ICIS 410-70201/2	7.5	10.935964	5.0	519774.0	1.458129	Y
6	IC 410-70201/6	12.5	18.260805	5.0	604064.0	1.460864	Y
7	IC 410-70201/5	20.0	28.779163	5.0	554517.0	1.438958	Y
8	IC 410-70201/4	30.0	41.790911	5.0	531199.0	1.39303	Y



Calibration / 2,4-Dinitrophenol

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

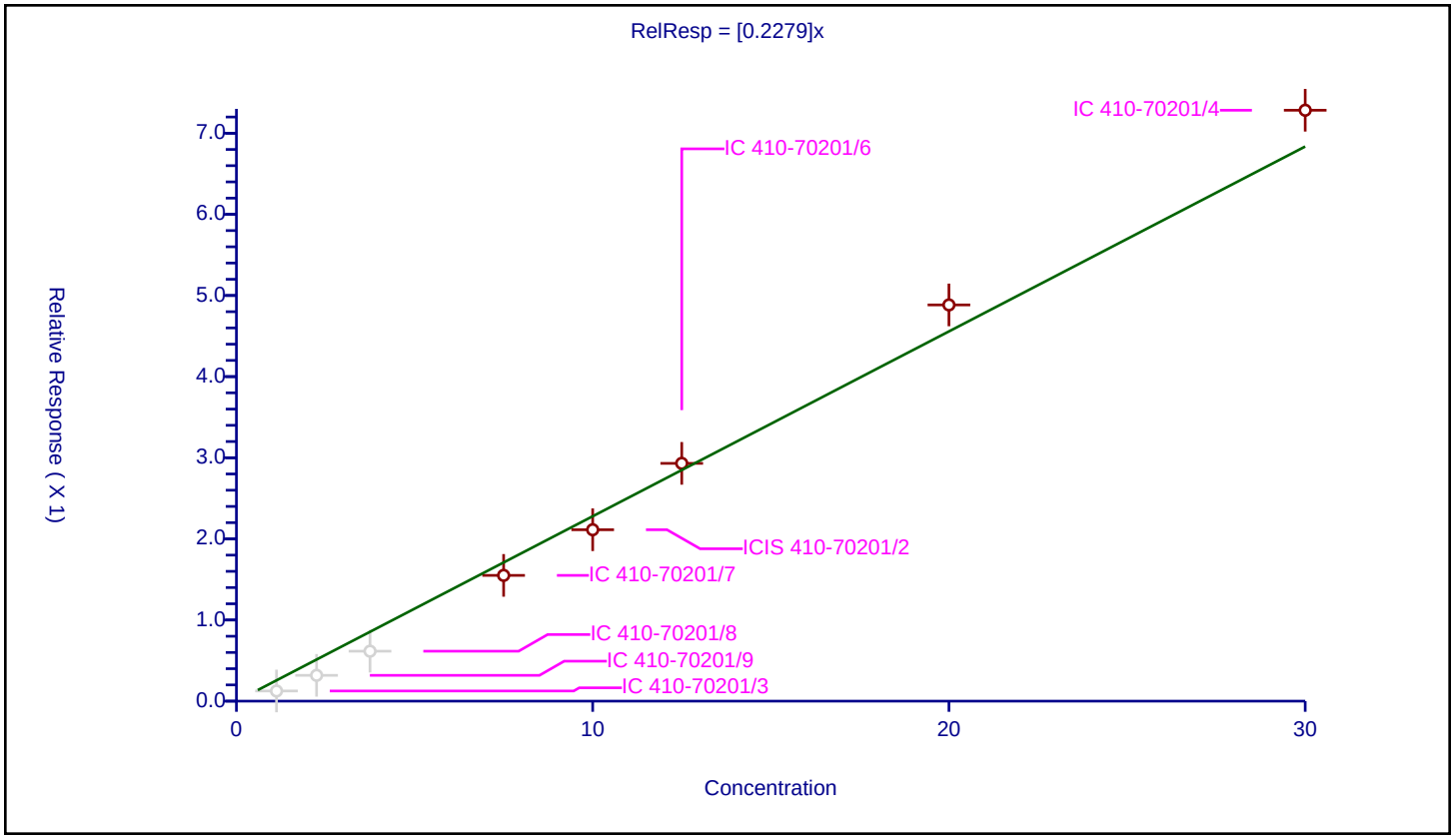
Curve Coefficients

Intercept:	0
Slope:	0.2279

Error Coefficients

Standard Error:	523000
Relative Standard Error:	7.8
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	1.125	0.125284	5.0	504572.0	0.111364	N
2	IC 410-70201/9	2.25	0.318053	5.0	521360.0	0.141357	N
3	IC 410-70201/8	3.75	0.615774	5.0	521961.0	0.164206	N
4	IC 410-70201/7	7.5	1.549931	5.0	527804.0	0.206658	Y
5	ICIS 410-70201/2	10.0	2.112601	5.0	519774.0	0.21126	Y
6	IC 410-70201/6	12.5	2.930865	5.0	604064.0	0.234469	Y
7	IC 410-70201/5	20.0	4.883637	5.0	554517.0	0.244182	Y
8	IC 410-70201/4	30.0	7.283353	5.0	531199.0	0.242778	Y



Calibration / 4-Nitrophenol

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

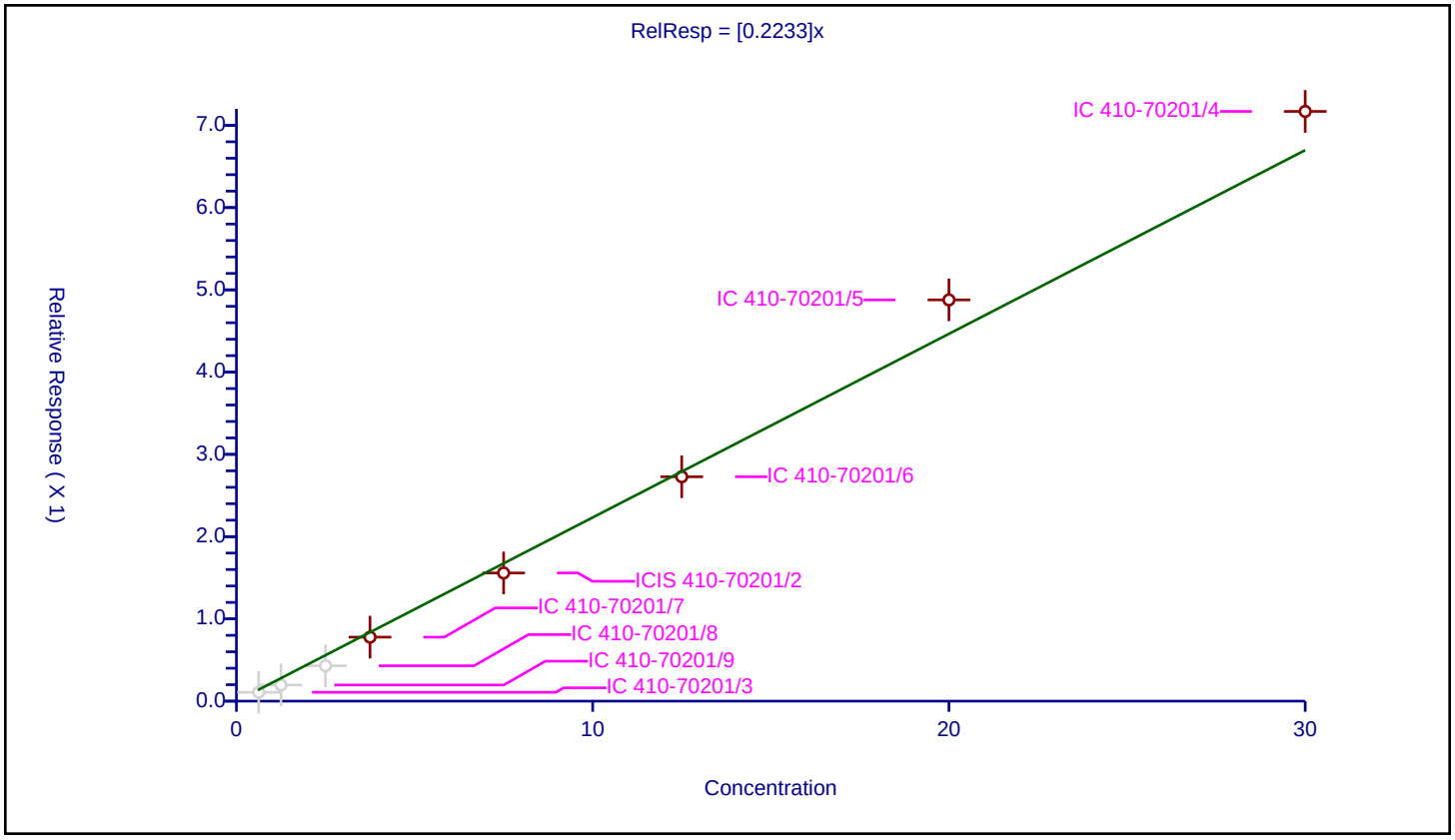
Curve Coefficients

Intercept:	0
Slope:	0.2233

Error Coefficients

Standard Error:	504000
Relative Standard Error:	7.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.625	0.107765	5.0	504572.0	0.172423	N
2	IC 410-70201/9	1.25	0.196294	5.0	521360.0	0.157035	N
3	IC 410-70201/8	2.5	0.430205	5.0	521961.0	0.172082	N
4	IC 410-70201/7	3.75	0.77812	5.0	527804.0	0.207499	Y
5	ICIS 410-70201/2	7.5	1.558168	5.0	519774.0	0.207756	Y
6	IC 410-70201/6	12.5	2.727683	5.0	604064.0	0.218215	Y
7	IC 410-70201/5	20.0	4.878047	5.0	554517.0	0.243902	Y
8	IC 410-70201/4	30.0	7.169319	5.0	531199.0	0.238977	Y



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

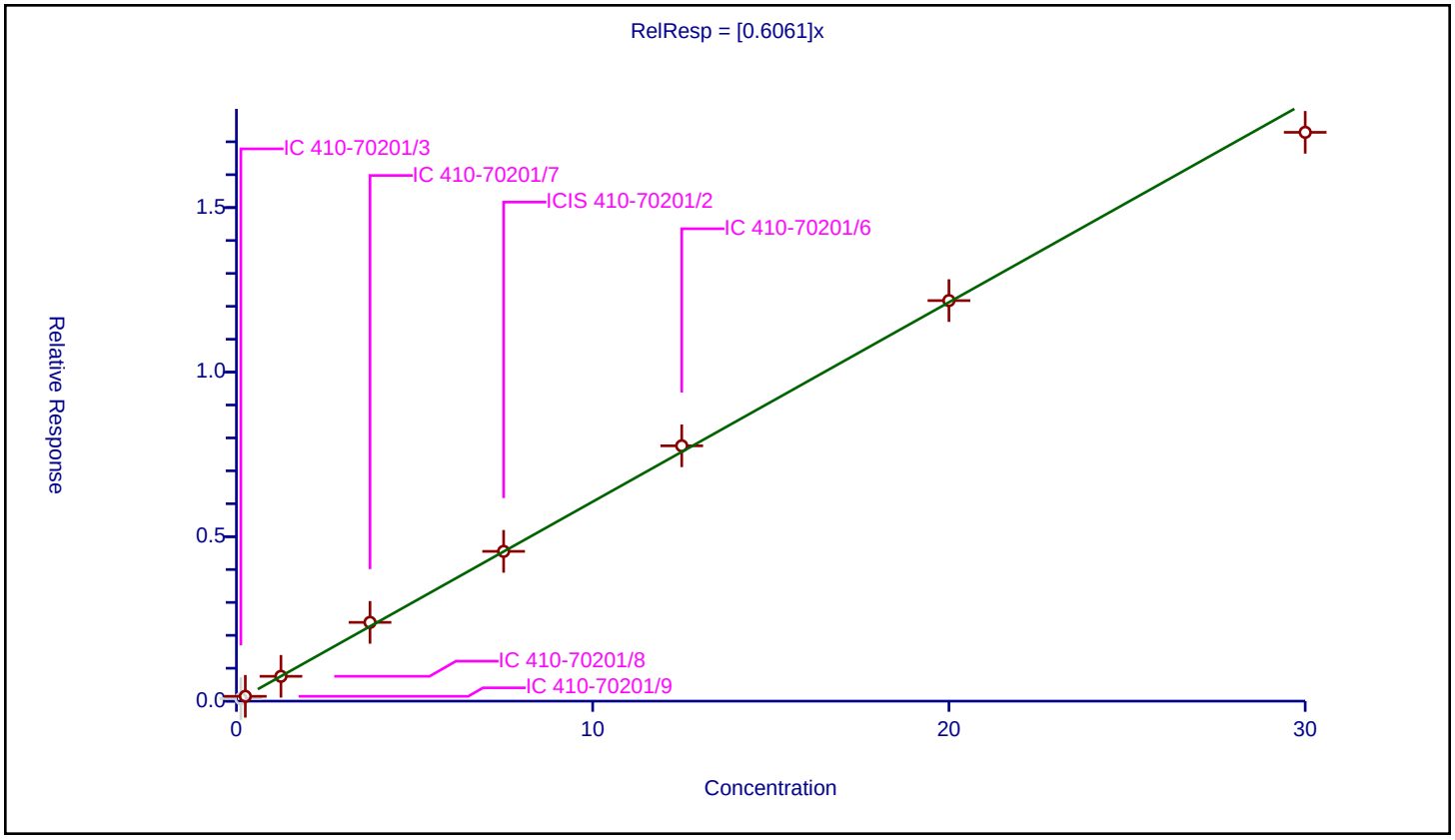
Curve Coefficients

Intercept:	0
Slope:	0.6061

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	3.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.077343	5.0	504572.0	0.618742	N
2	IC 410-70201/9	0.25	0.146943	5.0	521360.0	0.58777	Y
3	IC 410-70201/8	1.25	0.754817	5.0	521961.0	0.603854	Y
4	IC 410-70201/7	3.75	2.394184	5.0	527804.0	0.638449	Y
5	ICIS 410-70201/2	7.5	4.552363	5.0	519774.0	0.606982	Y
6	IC 410-70201/6	12.5	7.760155	5.0	604064.0	0.620812	Y
7	IC 410-70201/5	20.0	12.174496	5.0	554517.0	0.608725	Y
8	IC 410-70201/4	30.0	17.287984	5.0	531199.0	0.576266	Y



Calibration / 2,4-Dinitrotoluene

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

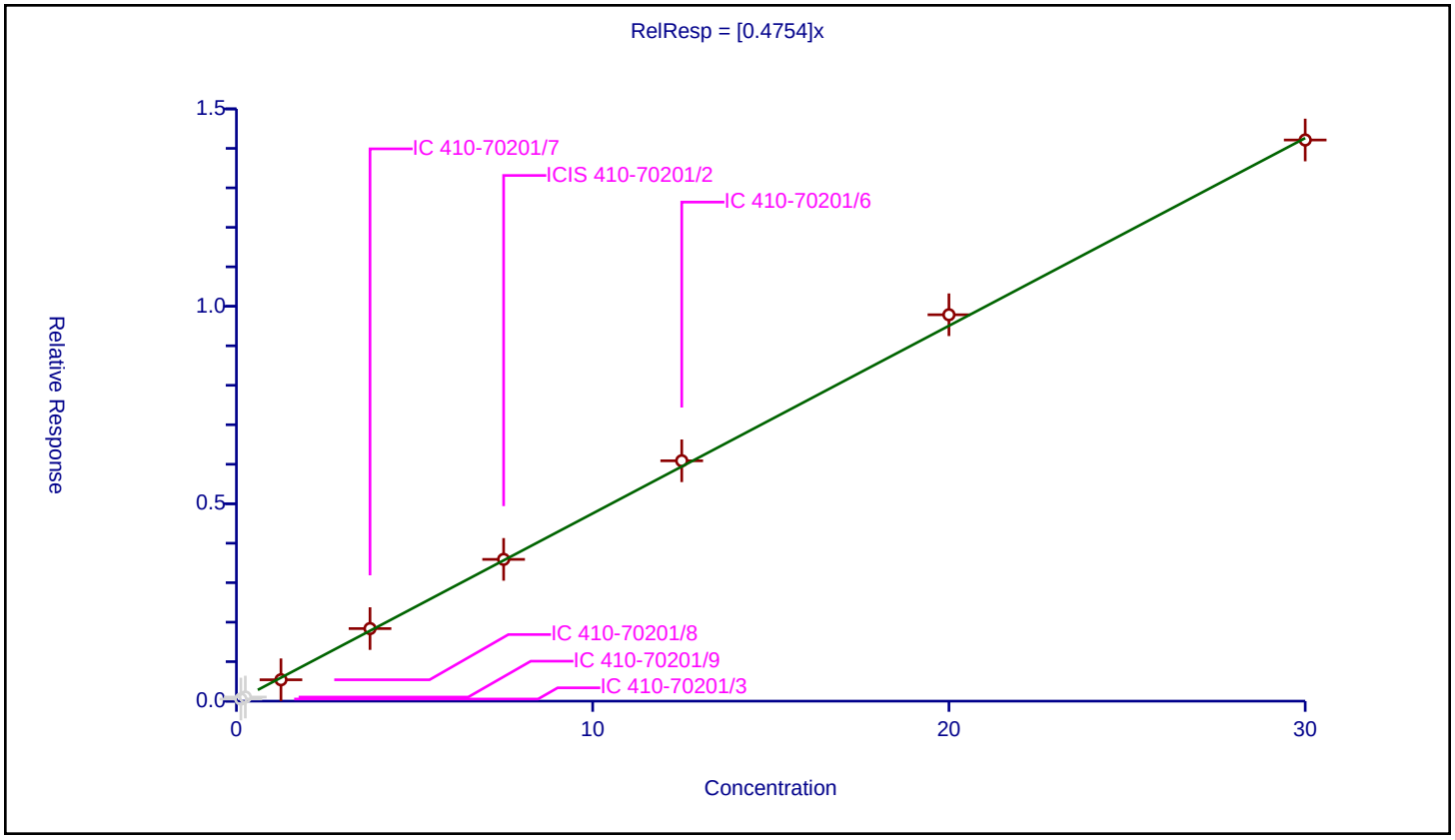
Curve Coefficients

Intercept:	0
Slope:	0.4754

Error Coefficients

Standard Error:	914000
Relative Standard Error:	4.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.053471	5.0	504572.0	0.427768	N
2	IC 410-70201/9	0.25	0.103604	5.0	521360.0	0.414416	N
3	IC 410-70201/8	1.25	0.541496	5.0	521961.0	0.433197	Y
4	IC 410-70201/7	3.75	1.837917	5.0	527804.0	0.490111	Y
5	ICIS 410-70201/2	7.5	3.590368	5.0	519774.0	0.478716	Y
6	IC 410-70201/6	12.5	6.087848	5.0	604064.0	0.487028	Y
7	IC 410-70201/5	20.0	9.786075	5.0	554517.0	0.489304	Y
8	IC 410-70201/4	30.0	14.212329	5.0	531199.0	0.473744	Y



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

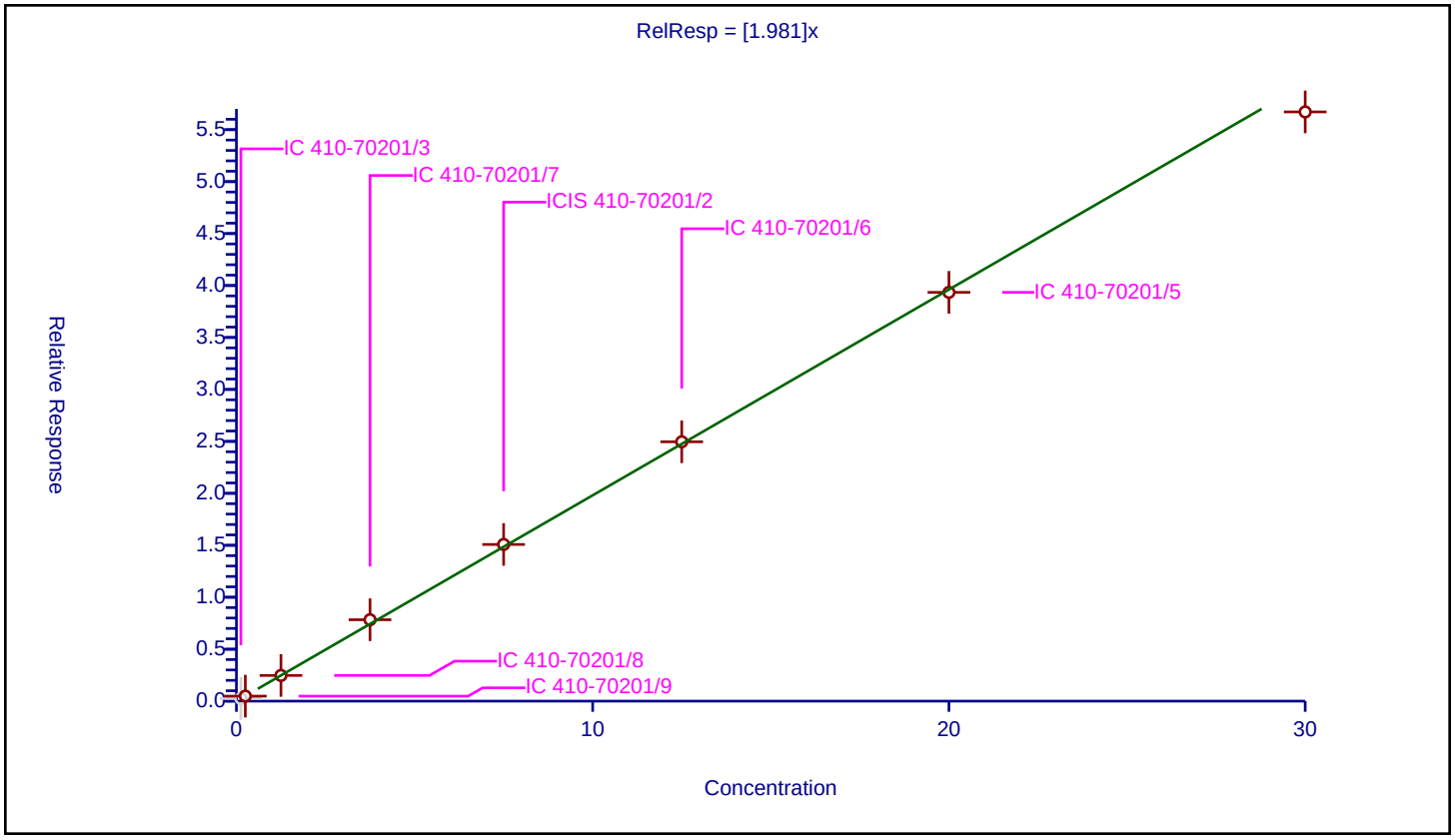
Curve Coefficients

Intercept:	0
Slope:	1.981

Error Coefficients

Standard Error:	3360000
Relative Standard Error:	3.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.251768	5.0	504572.0	2.014143	N
2	IC 410-70201/9	0.25	0.483188	5.0	521360.0	1.932753	Y
3	IC 410-70201/8	1.25	2.473164	5.0	521961.0	1.978531	Y
4	IC 410-70201/7	3.75	7.834442	5.0	527804.0	2.089185	Y
5	ICIS 410-70201/2	7.5	15.079592	5.0	519774.0	2.010612	Y
6	IC 410-70201/6	12.5	24.959814	5.0	604064.0	1.996785	Y
7	IC 410-70201/5	20.0	39.342951	5.0	554517.0	1.967148	Y
8	IC 410-70201/4	30.0	56.70951	5.0	531199.0	1.890317	Y



Calibration / 1-Naphthylamine

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

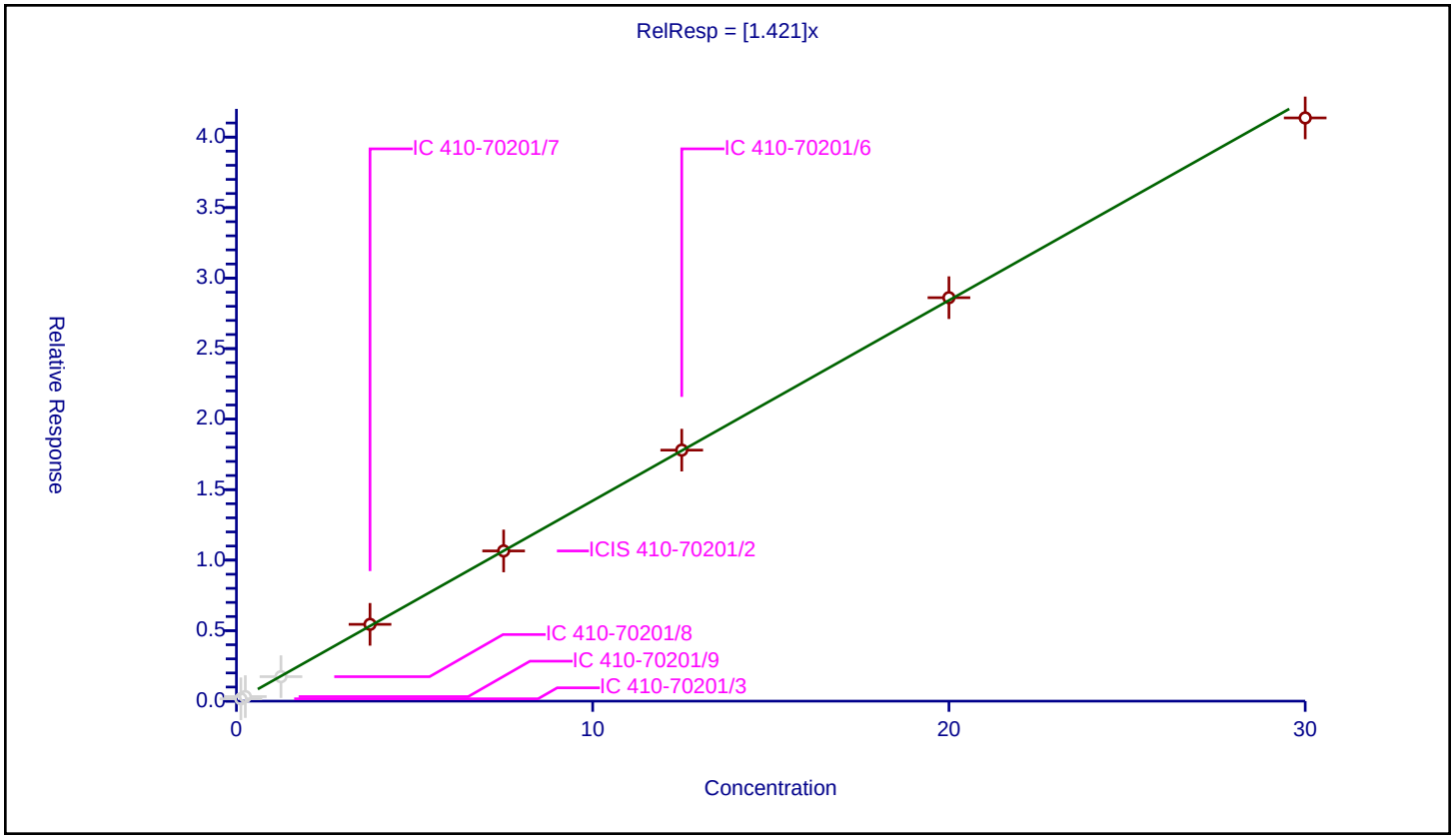
Curve Coefficients

Intercept:	0
Slope:	1.421

Error Coefficients

Standard Error:	2980000
Relative Standard Error:	1.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.167637	5.0	504572.0	1.341097	N
2	IC 410-70201/9	0.25	0.322886	5.0	521360.0	1.291545	N
3	IC 410-70201/8	1.25	1.73422	5.0	521961.0	1.387376	N
4	IC 410-70201/7	3.75	5.446558	5.0	527804.0	1.452415	Y
5	ICIS 410-70201/2	7.5	10.651129	5.0	519774.0	1.420151	Y
6	IC 410-70201/6	12.5	17.801086	5.0	604064.0	1.424087	Y
7	IC 410-70201/5	20.0	28.612234	5.0	554517.0	1.430612	Y
8	IC 410-70201/4	30.0	41.360639	5.0	531199.0	1.378688	Y



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

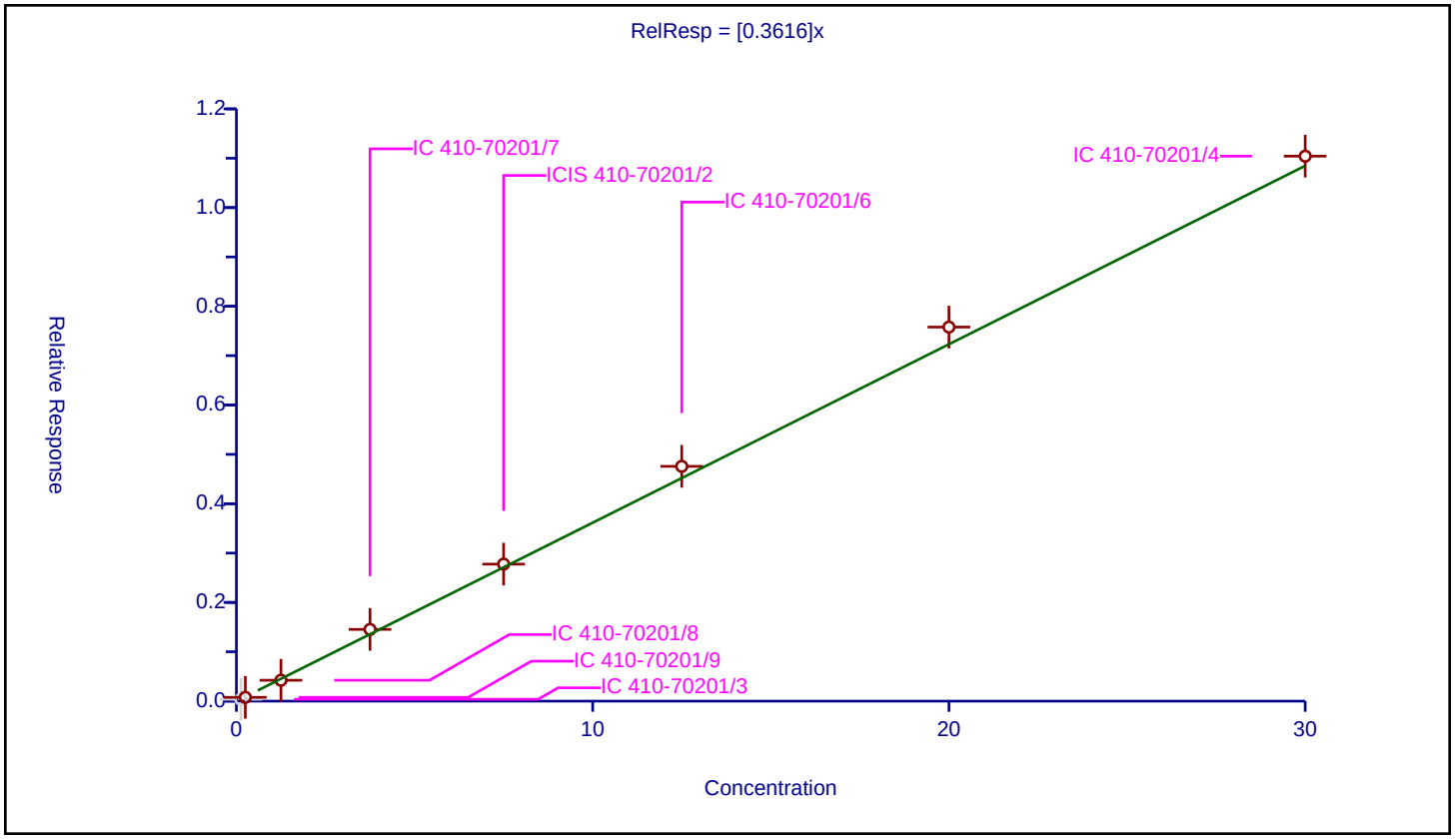
Curve Coefficients

Intercept:	0
Slope:	0.3616

Error Coefficients

Standard Error:	648000
Relative Standard Error:	8.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.037477	5.0	504572.0	0.299818	N
2	IC 410-70201/9	0.25	0.076742	5.0	521360.0	0.306966	Y
3	IC 410-70201/8	1.25	0.423346	5.0	521961.0	0.338677	Y
4	IC 410-70201/7	3.75	1.453399	5.0	527804.0	0.387573	Y
5	ICIS 410-70201/2	7.5	2.776024	5.0	519774.0	0.370137	Y
6	IC 410-70201/6	12.5	4.757426	5.0	604064.0	0.380594	Y
7	IC 410-70201/5	20.0	7.578929	5.0	554517.0	0.378946	Y
8	IC 410-70201/4	30.0	11.042058	5.0	531199.0	0.368069	Y



Calibration / 2-Naphthylamine

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

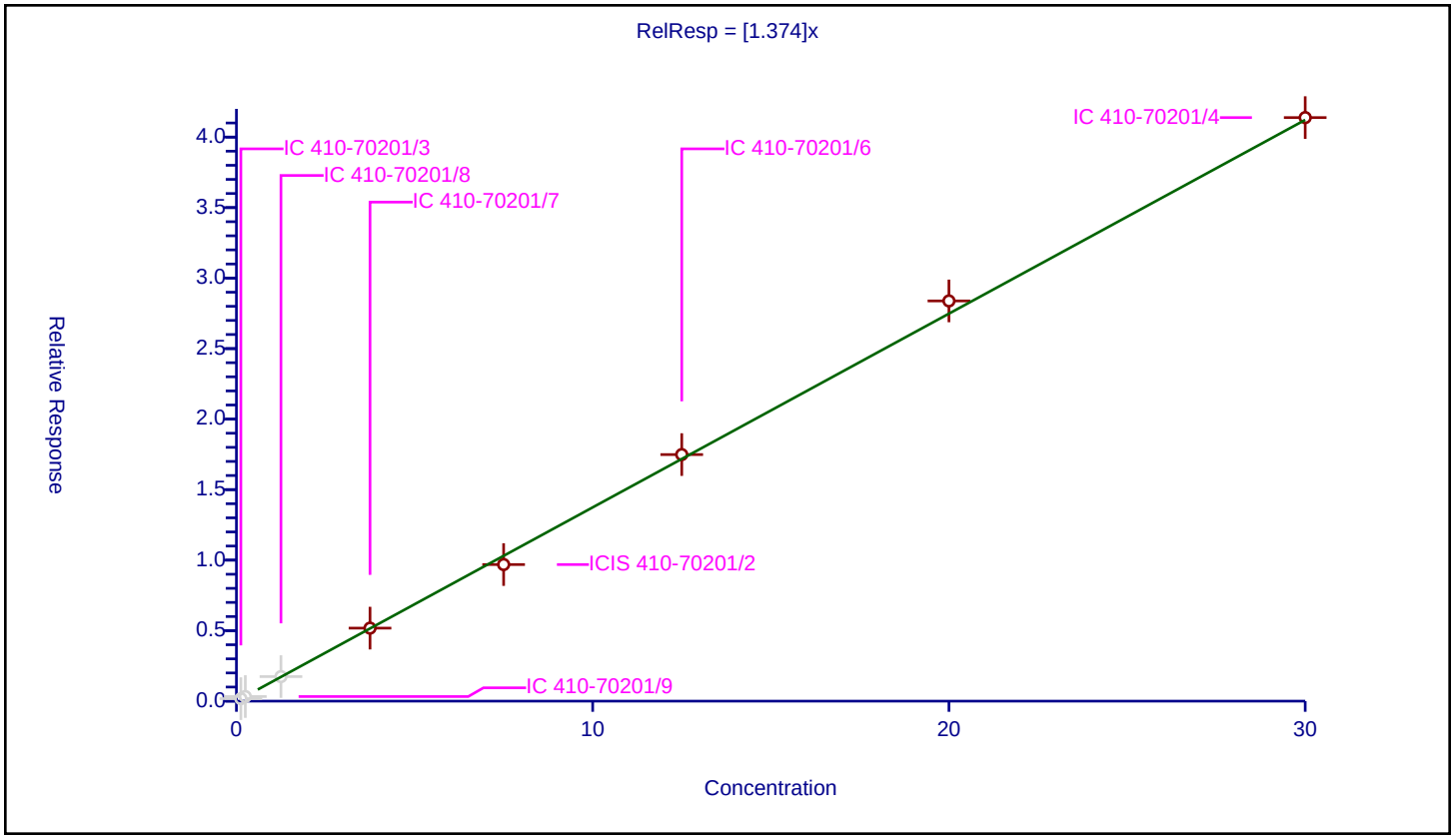
Curve Coefficients

Intercept:	0
Slope:	1.374

Error Coefficients

Standard Error:	2960000
Relative Standard Error:	3.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.177239	5.0	504572.0	1.417915	N
2	IC 410-70201/9	0.25	0.325341	5.0	521360.0	1.301366	N
3	IC 410-70201/8	1.25	1.74103	5.0	521961.0	1.392824	N
4	IC 410-70201/7	3.75	5.178835	5.0	527804.0	1.381023	Y
5	ICIS 410-70201/2	7.5	9.687056	5.0	519774.0	1.291608	Y
6	IC 410-70201/6	12.5	17.486285	5.0	604064.0	1.398903	Y
7	IC 410-70201/5	20.0	28.381402	5.0	554517.0	1.41907	Y
8	IC 410-70201/4	30.0	41.382439	5.0	531199.0	1.379415	Y



Calibration / Diethyl phthalate

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

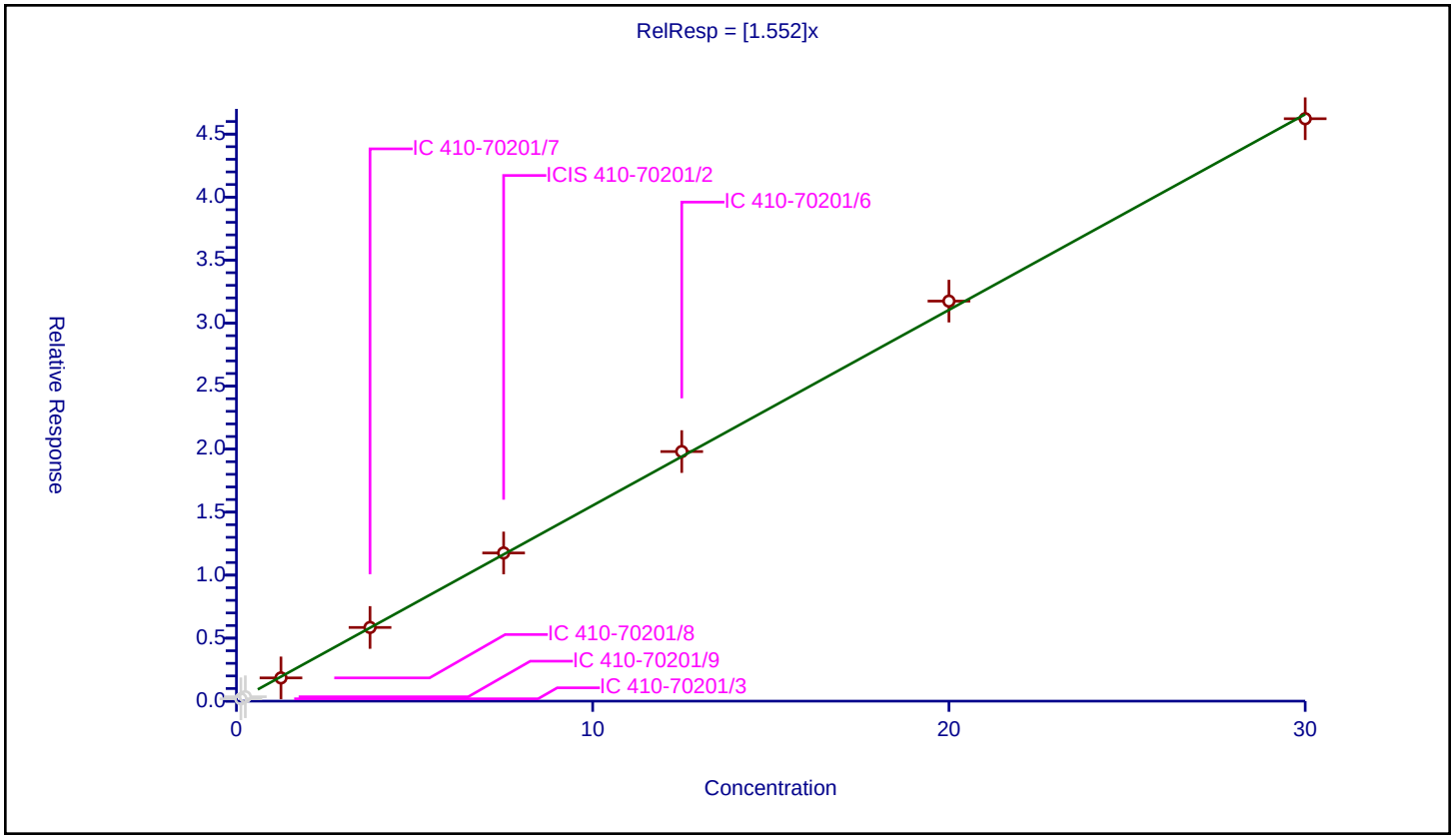
Curve Coefficients

Intercept:	0
Slope:	1.552

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	2.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.186792	5.0	504572.0	1.494336	N
2	IC 410-70201/9	0.25	0.347773	5.0	521360.0	1.391093	N
3	IC 410-70201/8	1.25	1.843347	5.0	521961.0	1.474677	Y
4	IC 410-70201/7	3.75	5.847616	5.0	527804.0	1.559364	Y
5	ICIS 410-70201/2	7.5	11.759621	5.0	519774.0	1.567949	Y
6	IC 410-70201/6	12.5	19.805782	5.0	604064.0	1.584463	Y
7	IC 410-70201/5	20.0	31.745258	5.0	554517.0	1.587263	Y
8	IC 410-70201/4	30.0	46.219665	5.0	531199.0	1.540656	Y



Calibration / Fluorene

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

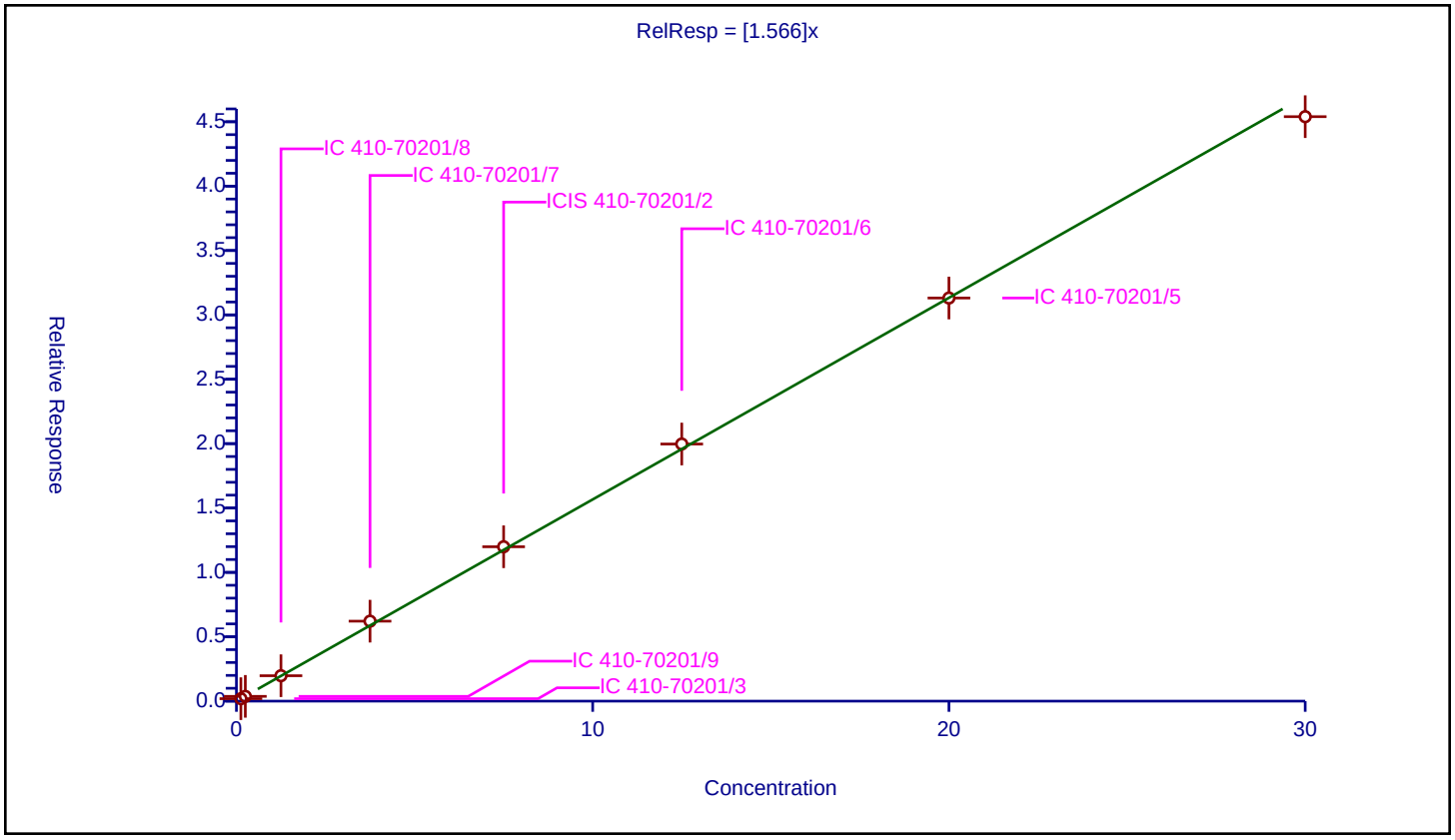
Curve Coefficients

Intercept:	0
Slope:	1.566

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	3.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.1914	5.0	504572.0	1.531199	Y
2	IC 410-70201/9	0.25	0.372085	5.0	521360.0	1.488338	Y
3	IC 410-70201/8	1.25	1.975349	5.0	521961.0	1.580279	Y
4	IC 410-70201/7	3.75	6.210374	5.0	527804.0	1.6561	Y
5	ICIS 410-70201/2	7.5	11.991558	5.0	519774.0	1.598874	Y
6	IC 410-70201/6	12.5	19.970293	5.0	604064.0	1.597623	Y
7	IC 410-70201/5	20.0	31.309536	5.0	554517.0	1.565477	Y
8	IC 410-70201/4	30.0	45.39521	5.0	531199.0	1.513174	Y



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

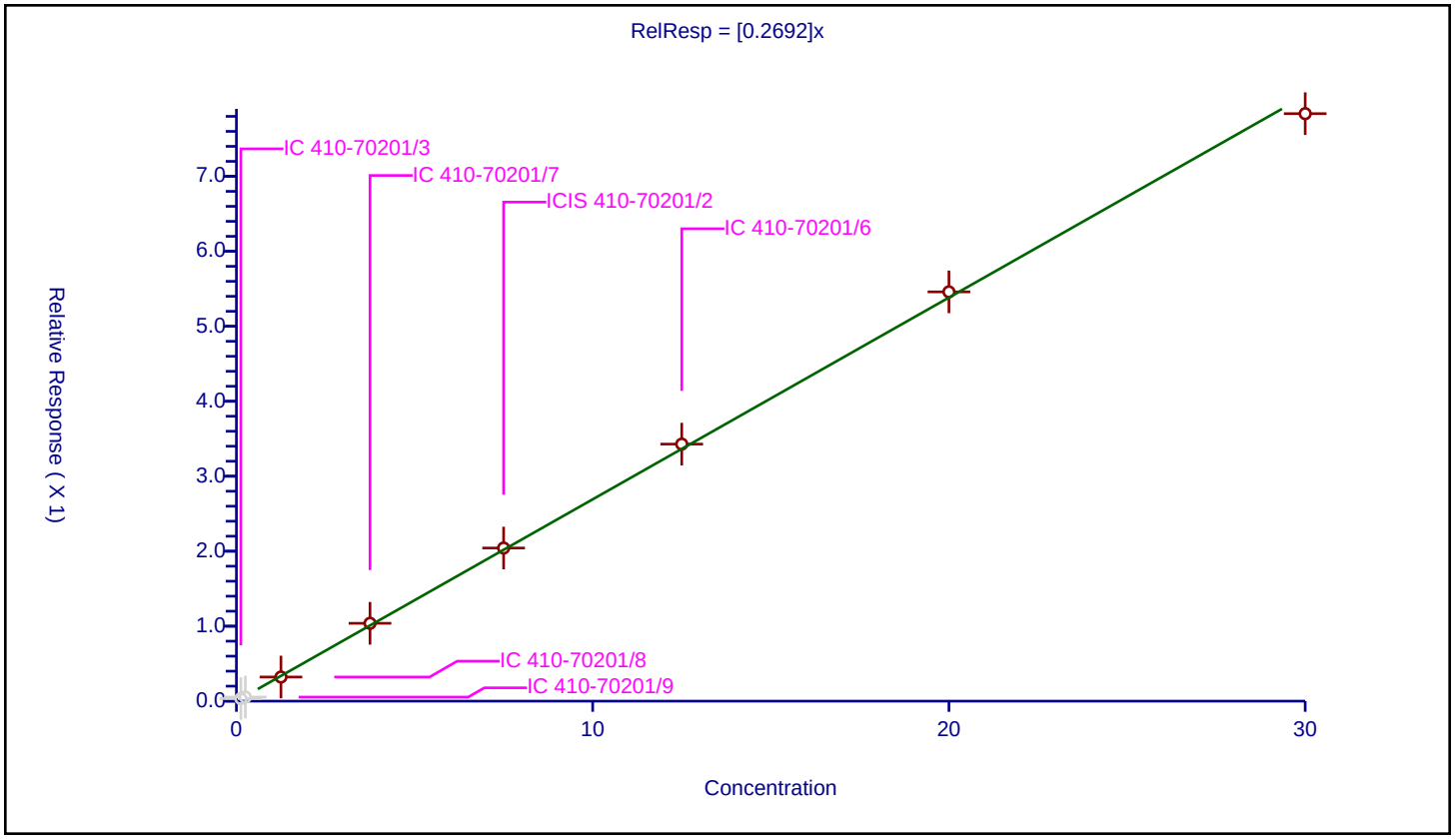
Curve Coefficients

Intercept:	0
Slope:	0.2692

Error Coefficients

Standard Error:	508000
Relative Standard Error:	2.9
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.034306	5.0	504572.0	0.27445	N
2	IC 410-70201/9	0.25	0.054204	5.0	521360.0	0.216818	N
3	IC 410-70201/8	1.25	0.321844	5.0	521961.0	0.257475	Y
4	IC 410-70201/7	3.75	1.038132	5.0	527804.0	0.276835	Y
5	ICIS 410-70201/2	7.5	2.042445	5.0	519774.0	0.272326	Y
6	IC 410-70201/6	12.5	3.428378	5.0	604064.0	0.27427	Y
7	IC 410-70201/5	20.0	5.459391	5.0	554517.0	0.27297	Y
8	IC 410-70201/4	30.0	7.836282	5.0	531199.0	0.261209	Y



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

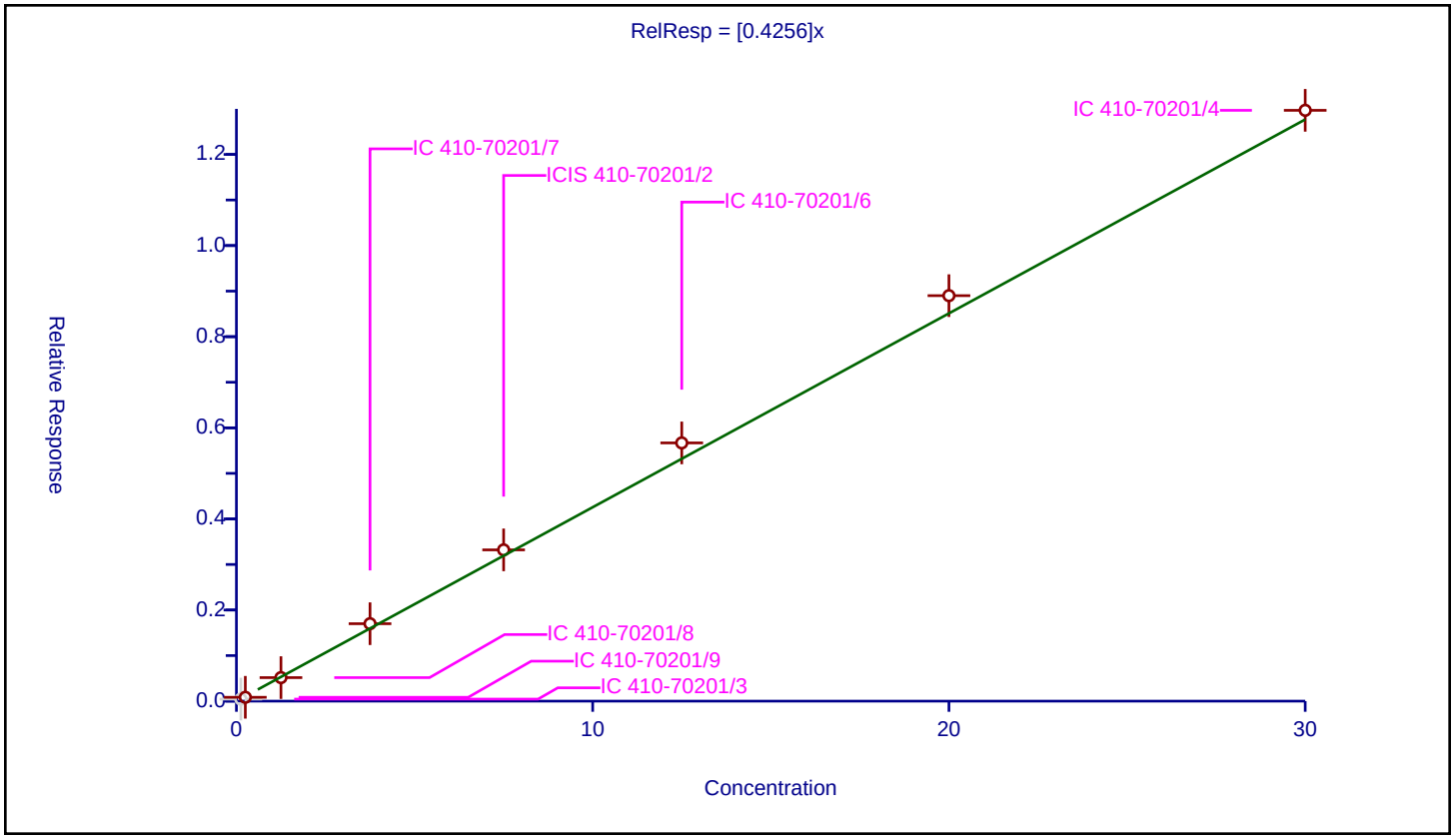
Curve Coefficients

Intercept:	0
Slope:	0.4256

Error Coefficients

Standard Error:	763000
Relative Standard Error:	9.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.044632	5.0	504572.0	0.357055	N
2	IC 410-70201/9	0.25	0.084721	5.0	521360.0	0.338883	Y
3	IC 410-70201/8	1.25	0.516734	5.0	521961.0	0.413387	Y
4	IC 410-70201/7	3.75	1.699807	5.0	527804.0	0.453282	Y
5	ICIS 410-70201/2	7.5	3.320174	5.0	519774.0	0.44269	Y
6	IC 410-70201/6	12.5	5.668414	5.0	604064.0	0.453473	Y
7	IC 410-70201/5	20.0	8.900358	5.0	554517.0	0.445018	Y
8	IC 410-70201/4	30.0	12.968718	5.0	531199.0	0.432291	Y



Calibration / 4-Nitroaniline

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

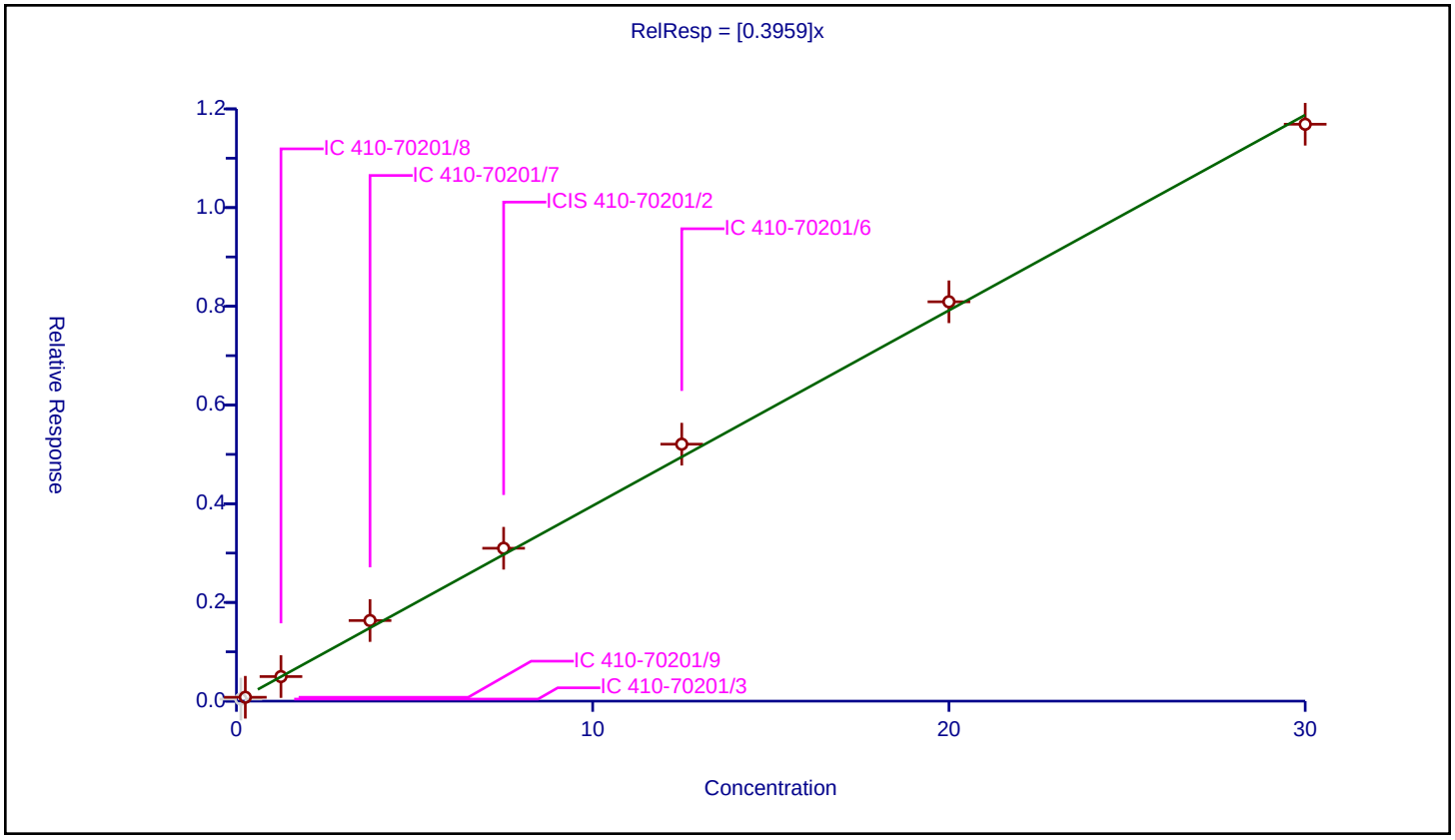
Curve Coefficients

Intercept:	0
Slope:	0.3959

Error Coefficients

Standard Error:	693000
Relative Standard Error:	9.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.042065	5.0	504572.0	0.336523	N
2	IC 410-70201/9	0.25	0.07841	5.0	521360.0	0.313641	Y
3	IC 410-70201/8	1.25	0.497949	5.0	521961.0	0.398359	Y
4	IC 410-70201/7	3.75	1.633182	5.0	527804.0	0.435515	Y
5	ICIS 410-70201/2	7.5	3.097654	5.0	519774.0	0.413021	Y
6	IC 410-70201/6	12.5	5.206601	5.0	604064.0	0.416528	Y
7	IC 410-70201/5	20.0	8.092006	5.0	554517.0	0.4046	Y
8	IC 410-70201/4	30.0	11.689066	5.0	531199.0	0.389636	Y



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

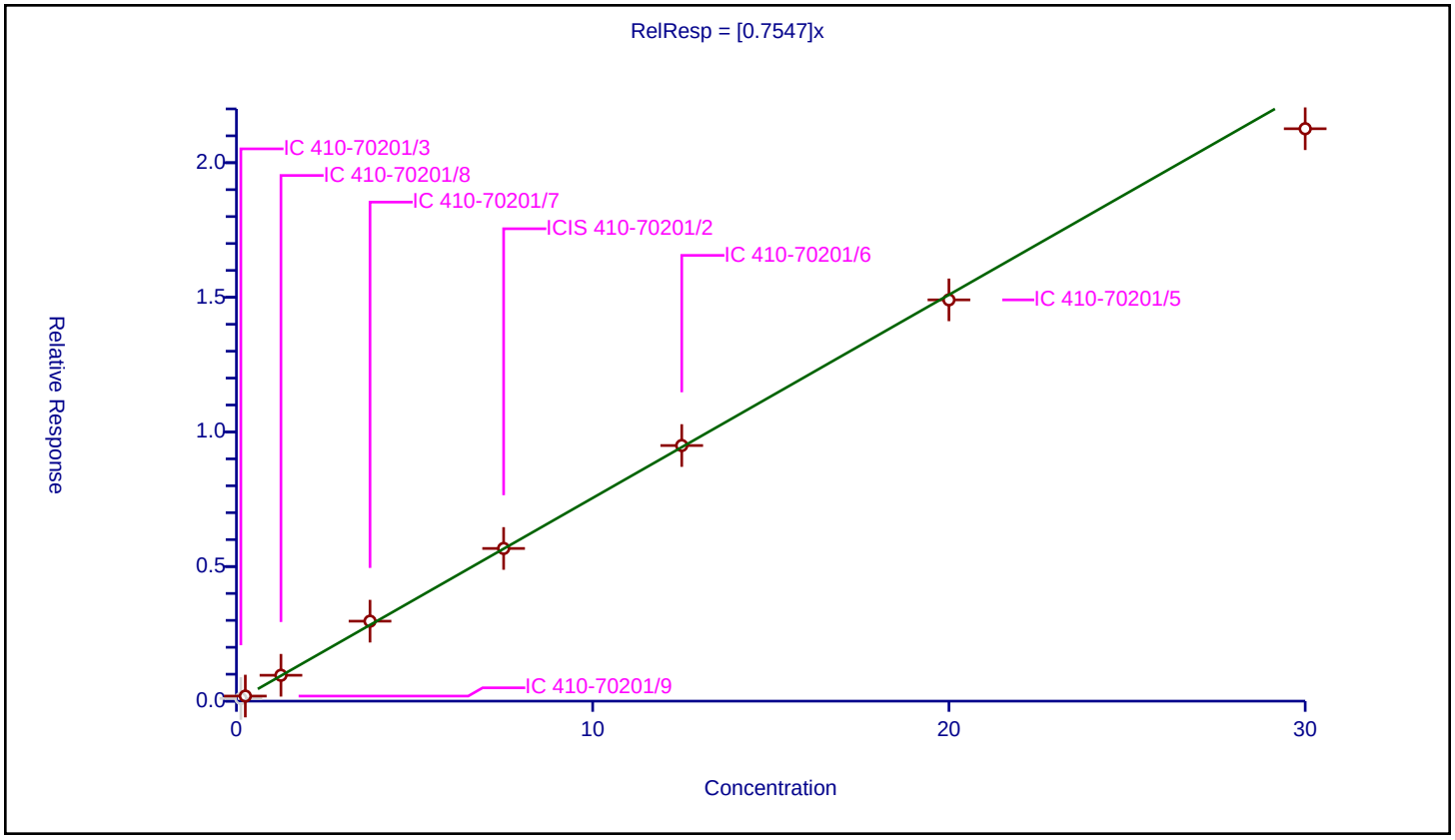
Curve Coefficients

Intercept:	0
Slope:	0.7547

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	3.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.099084	5.0	504572.0	0.792672	N
2	IC 410-70201/9	0.25	0.187989	5.0	521360.0	0.751956	Y
3	IC 410-70201/8	1.25	0.960982	5.0	521961.0	0.768785	Y
4	IC 410-70201/7	3.75	2.970828	5.0	527804.0	0.792221	Y
5	ICIS 410-70201/2	7.5	5.671446	5.0	519774.0	0.756193	Y
6	IC 410-70201/6	12.5	9.495716	5.0	604064.0	0.759657	Y
7	IC 410-70201/5	20.0	14.906639	5.0	554517.0	0.745332	Y
8	IC 410-70201/4	30.0	21.262954	5.0	531199.0	0.708765	Y



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

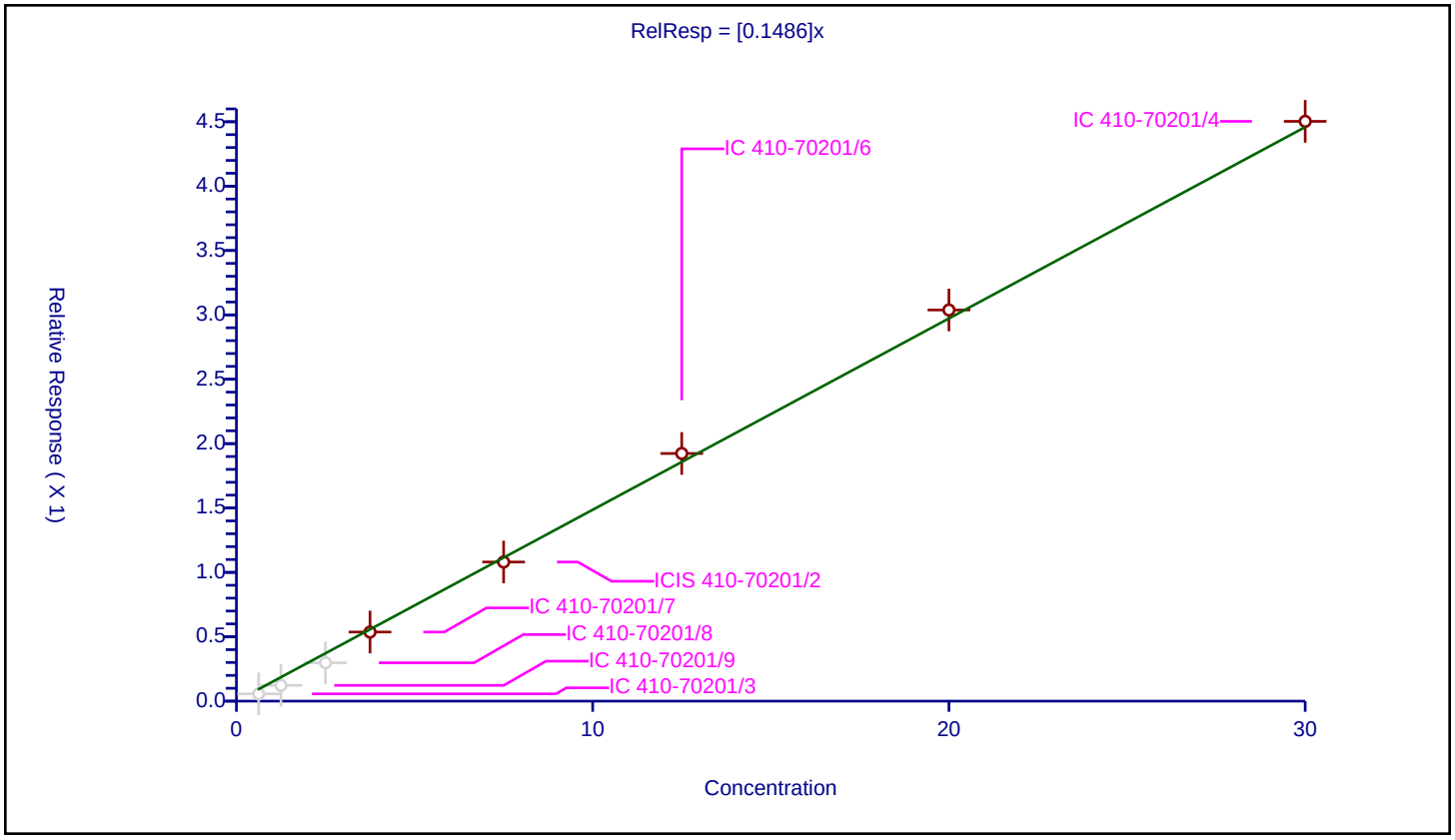
Curve Coefficients

Intercept:	0
Slope:	0.1486

Error Coefficients

Standard Error:	632000
Relative Standard Error:	3.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.625	0.056493	5.0	978265.0	0.090389	N
2	IC 410-70201/9	1.25	0.122663	5.0	999692.0	0.09813	N
3	IC 410-70201/8	2.5	0.297889	5.0	1003544.0	0.119156	N
4	IC 410-70201/7	3.75	0.536698	5.0	1004886.0	0.143119	Y
5	ICIS 410-70201/2	7.5	1.080637	5.0	998693.0	0.144085	Y
6	IC 410-70201/6	12.5	1.923572	5.0	1182425.0	0.153886	Y
7	IC 410-70201/5	20.0	3.038213	5.0	1084845.0	0.151911	Y
8	IC 410-70201/4	30.0	4.503211	5.0	1052409.0	0.150107	Y



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

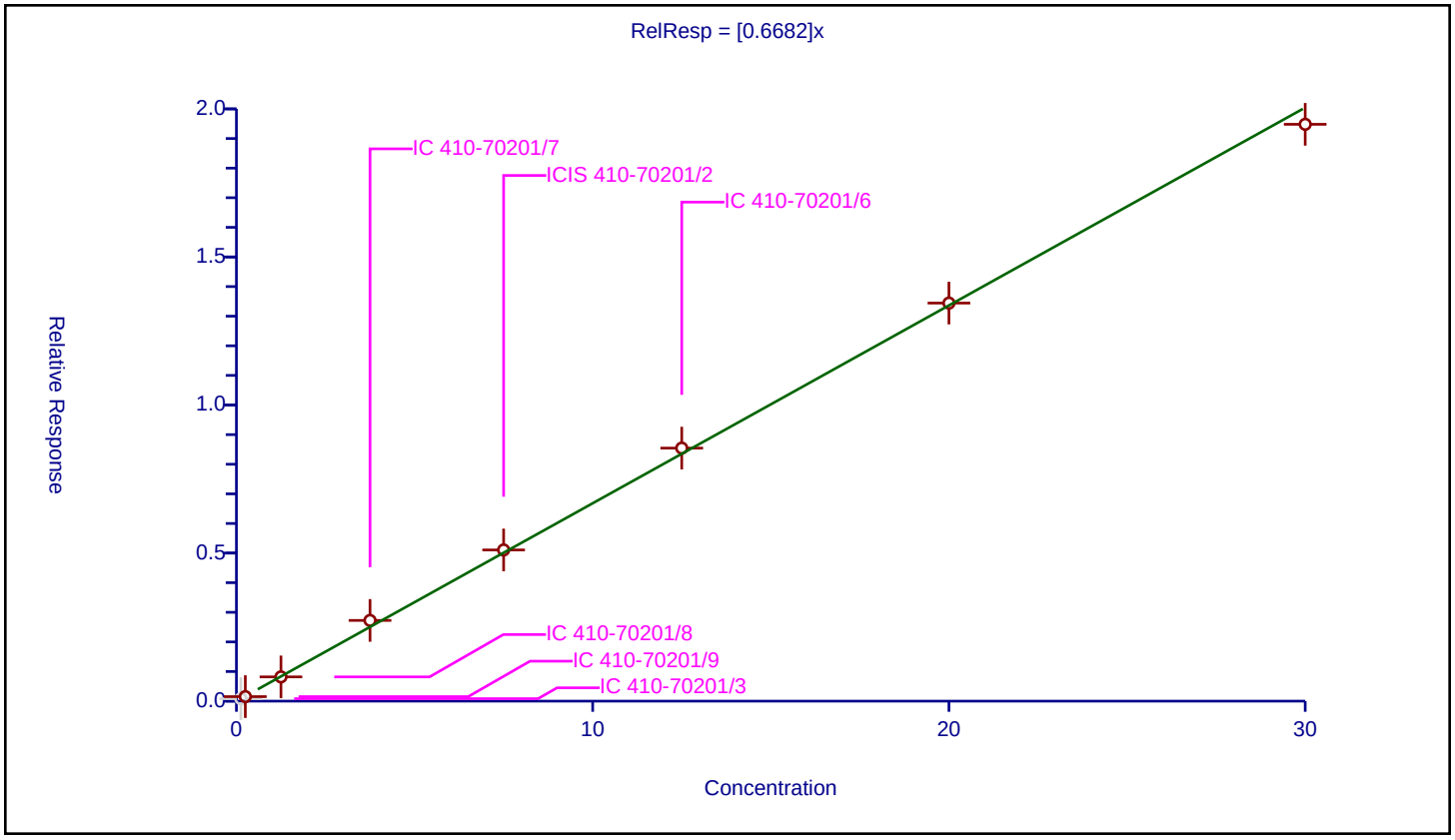
Curve Coefficients

Intercept:	0
Slope:	0.6682

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	5.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.082754	5.0	978265.0	0.662029	N
2	IC 410-70201/9	0.25	0.152292	5.0	999692.0	0.609168	Y
3	IC 410-70201/8	1.25	0.819192	5.0	1003544.0	0.655353	Y
4	IC 410-70201/7	3.75	2.725692	5.0	1004886.0	0.726851	Y
5	ICIS 410-70201/2	7.5	5.105778	5.0	998693.0	0.68077	Y
6	IC 410-70201/6	12.5	8.544876	5.0	1182425.0	0.68359	Y
7	IC 410-70201/5	20.0	13.441865	5.0	1084845.0	0.672093	Y
8	IC 410-70201/4	30.0	19.479523	5.0	1052409.0	0.649317	Y



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

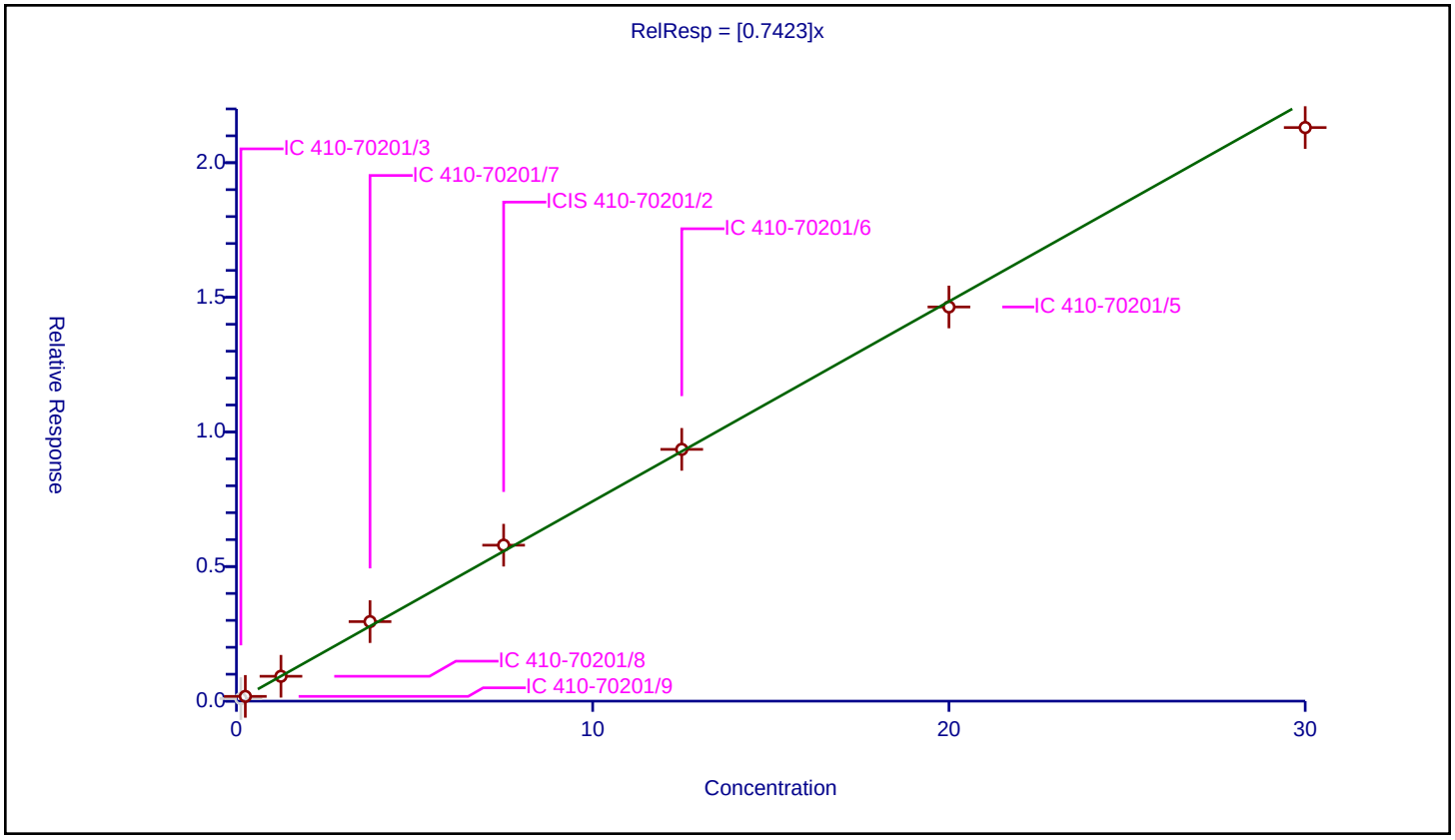
Curve Coefficients

Intercept:	0
Slope:	0.7423

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	4.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.094121	5.0	978265.0	0.752966	N
2	IC 410-70201/9	0.25	0.176629	5.0	999692.0	0.706518	Y
3	IC 410-70201/8	1.25	0.923896	5.0	1003544.0	0.739117	Y
4	IC 410-70201/7	3.75	2.953624	5.0	1004886.0	0.787633	Y
5	ICIS 410-70201/2	7.5	5.793132	5.0	998693.0	0.772418	Y
6	IC 410-70201/6	12.5	9.352593	5.0	1182425.0	0.748207	Y
7	IC 410-70201/5	20.0	14.642576	5.0	1084845.0	0.732129	Y
8	IC 410-70201/4	30.0	21.306265	5.0	1052409.0	0.710209	Y



Calibration / 2,4,6-Tribromophenol

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

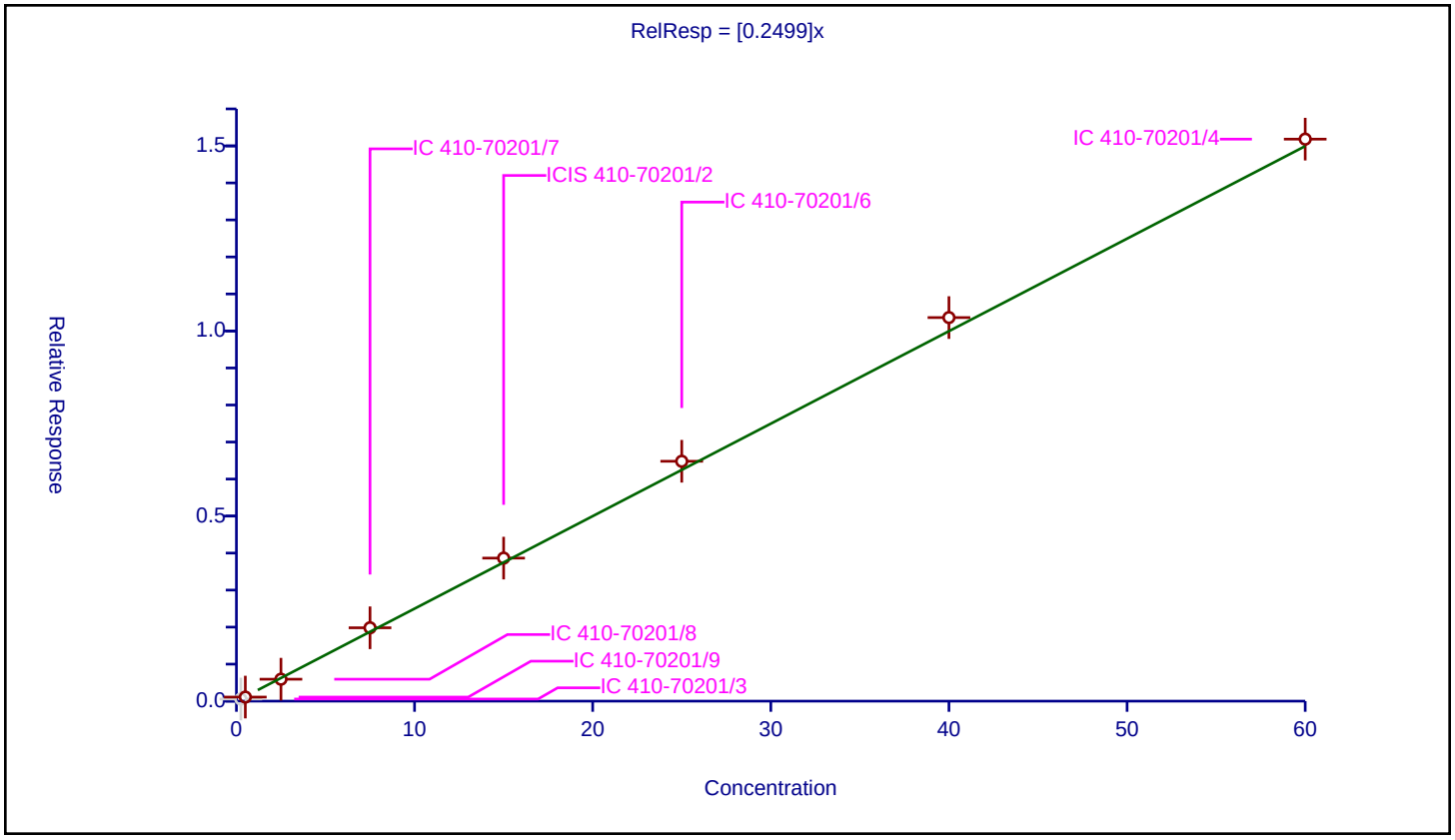
Curve Coefficients

Intercept:	0
Slope:	0.2499

Error Coefficients

Standard Error:	889000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.25	0.057276	5.0	504572.0	0.229105	N
2	IC 410-70201/9	0.5	0.10955	5.0	521360.0	0.2191	Y
3	IC 410-70201/8	2.5	0.592381	5.0	521961.0	0.236953	Y
4	IC 410-70201/7	7.5	1.981777	5.0	527804.0	0.264237	Y
5	ICIS 410-70201/2	15.0	3.864228	5.0	519774.0	0.257615	Y
6	IC 410-70201/6	25.0	6.480207	5.0	604064.0	0.259208	Y
7	IC 410-70201/5	40.0	10.362414	5.0	554517.0	0.25906	Y
8	IC 410-70201/4	60.0	15.182832	5.0	531199.0	0.253047	Y



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

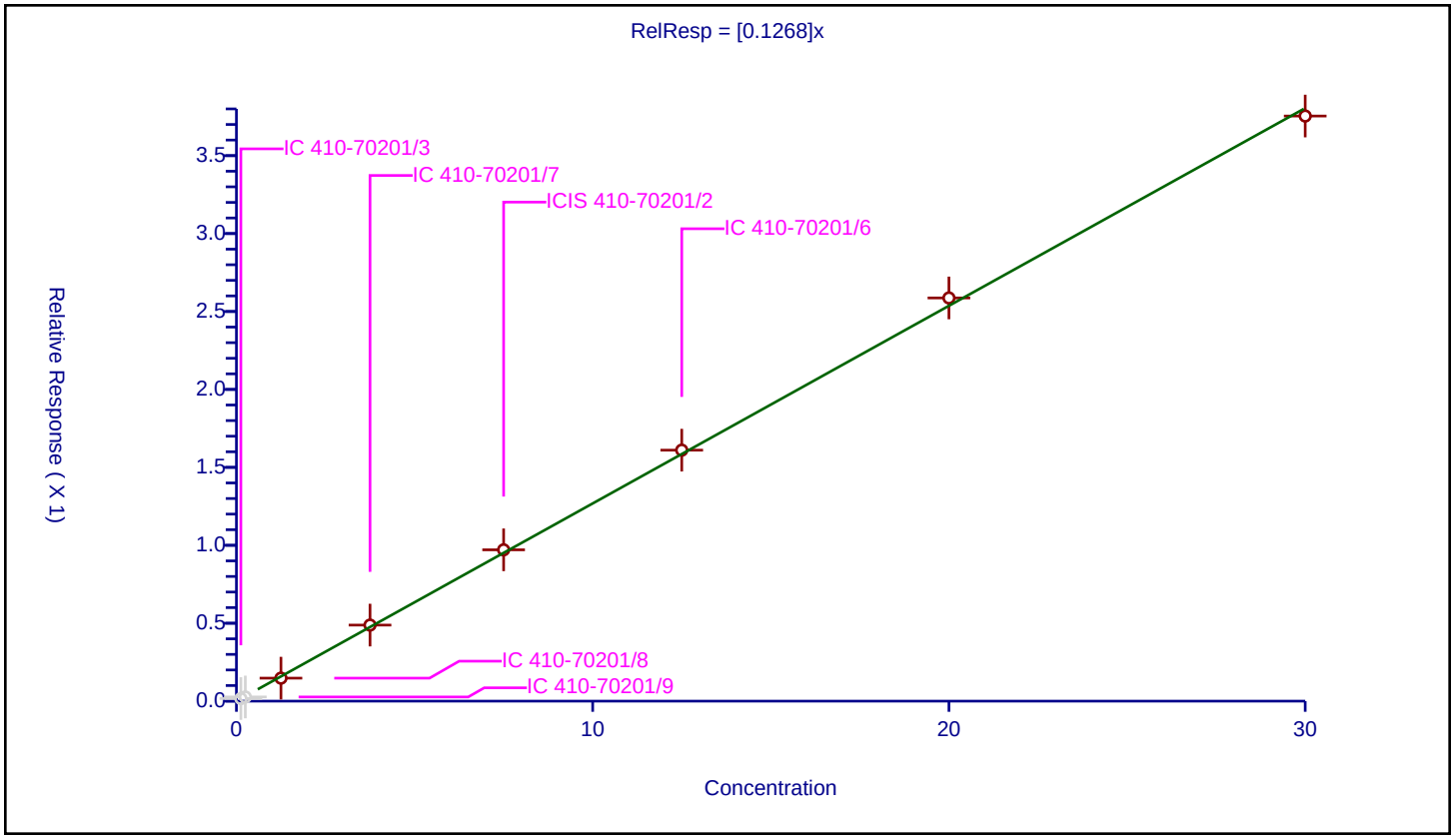
Curve Coefficients

Intercept:	0
Slope:	0.1268

Error Coefficients

Standard Error:	476000
Relative Standard Error:	3.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.016698	5.0	978265.0	0.133583	N
2	IC 410-70201/9	0.25	0.026658	5.0	999692.0	0.106633	N
3	IC 410-70201/8	1.25	0.147632	5.0	1003544.0	0.118105	Y
4	IC 410-70201/7	3.75	0.487996	5.0	1004886.0	0.130132	Y
5	ICIS 410-70201/2	7.5	0.970889	5.0	998693.0	0.129452	Y
6	IC 410-70201/6	12.5	1.610466	5.0	1182425.0	0.128837	Y
7	IC 410-70201/5	20.0	2.586959	5.0	1084845.0	0.129348	Y
8	IC 410-70201/4	30.0	3.754215	5.0	1052409.0	0.125141	Y



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

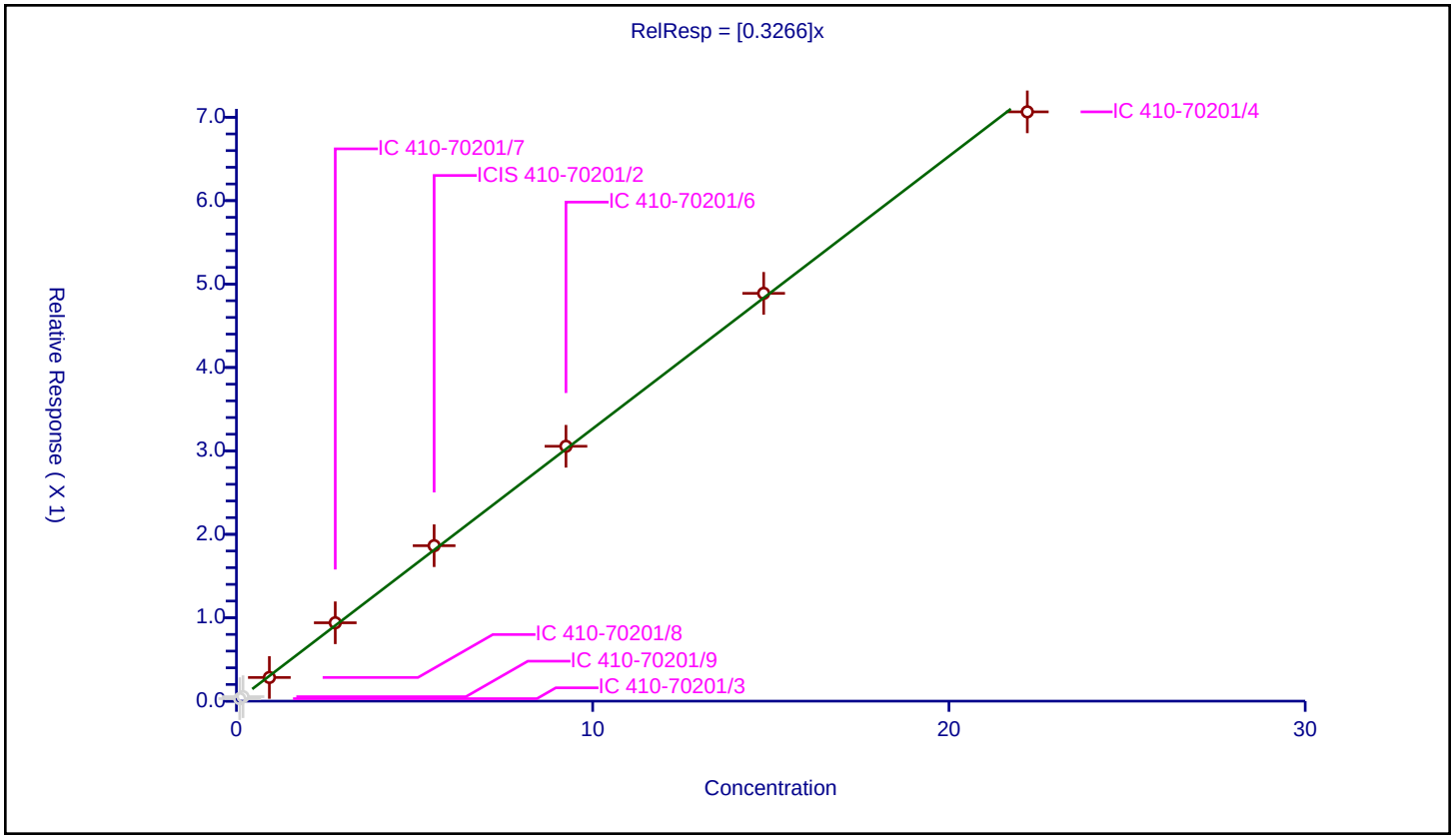
Curve Coefficients

Intercept:	0
Slope:	0.3266

Error Coefficients

Standard Error:	898000
Relative Standard Error:	3.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.0925	0.029951	5.0	978265.0	0.323794	N
2	IC 410-70201/9	0.185	0.053587	5.0	999692.0	0.289657	N
3	IC 410-70201/8	0.925	0.283555	5.0	1003544.0	0.306546	Y
4	IC 410-70201/7	2.775	0.939405	5.0	1004886.0	0.338524	Y
5	ICIS 410-70201/2	5.55	1.863581	5.0	998693.0	0.33578	Y
6	IC 410-70201/6	9.25	3.055357	5.0	1182425.0	0.330309	Y
7	IC 410-70201/5	14.8	4.888897	5.0	1084845.0	0.330331	Y
8	IC 410-70201/4	22.2	7.064544	5.0	1052409.0	0.318223	Y



Calibration / Phorate

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

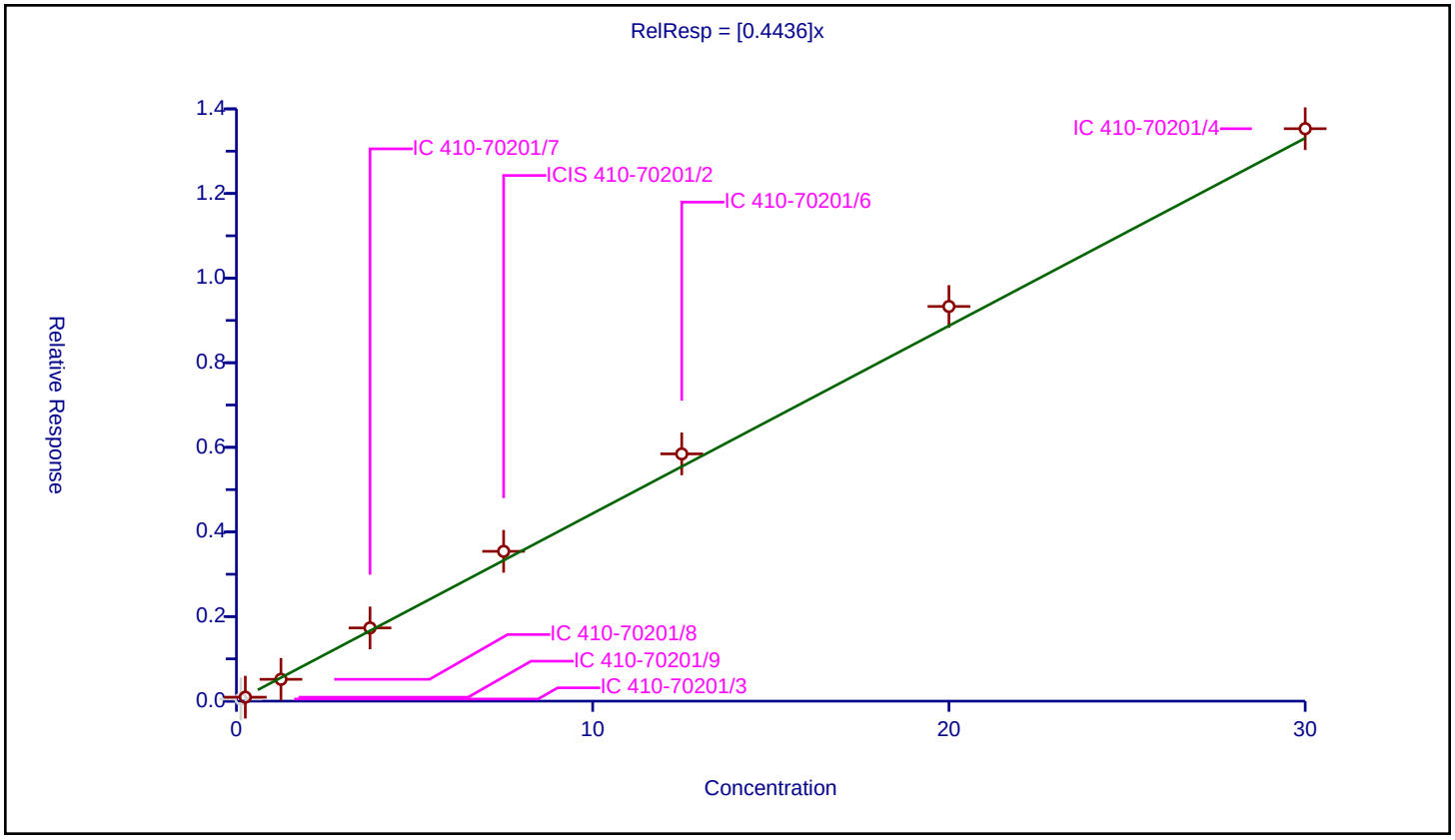
Curve Coefficients

Intercept:	0
Slope:	0.4436

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	8.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.05016	5.0	978265.0	0.401282	N
2	IC 410-70201/9	0.25	0.093449	5.0	999692.0	0.373795	Y
3	IC 410-70201/8	1.25	0.515902	5.0	1003544.0	0.412721	Y
4	IC 410-70201/7	3.75	1.730913	5.0	1004886.0	0.461577	Y
5	ICIS 410-70201/2	7.5	3.541163	5.0	998693.0	0.472155	Y
6	IC 410-70201/6	12.5	5.844713	5.0	1182425.0	0.467577	Y
7	IC 410-70201/5	20.0	9.329909	5.0	1084845.0	0.466495	Y
8	IC 410-70201/4	30.0	13.531545	5.0	1052409.0	0.451052	Y



Calibration / Phenacetin

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

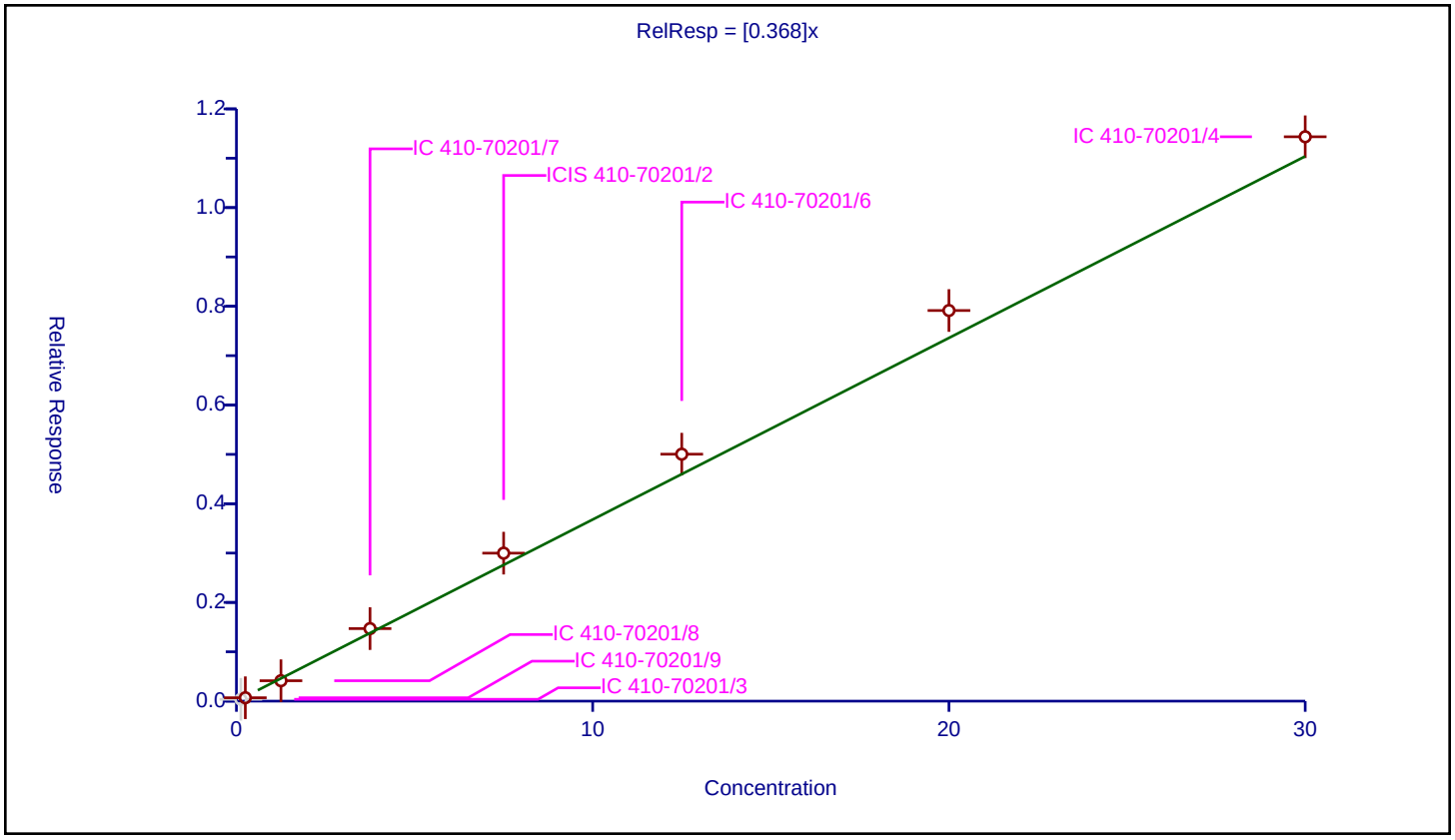
Curve Coefficients

Intercept:	0
Slope:	0.368

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	12.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.037546	5.0	978265.0	0.300369	N
2	IC 410-70201/9	0.25	0.069026	5.0	999692.0	0.276105	Y
3	IC 410-70201/8	1.25	0.413445	5.0	1003544.0	0.330756	Y
4	IC 410-70201/7	3.75	1.46952	5.0	1004886.0	0.391872	Y
5	ICIS 410-70201/2	7.5	2.998434	5.0	998693.0	0.399791	Y
6	IC 410-70201/6	12.5	5.004076	5.0	1182425.0	0.400326	Y
7	IC 410-70201/5	20.0	7.914813	5.0	1084845.0	0.395741	Y
8	IC 410-70201/4	30.0	11.434965	5.0	1052409.0	0.381165	Y



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

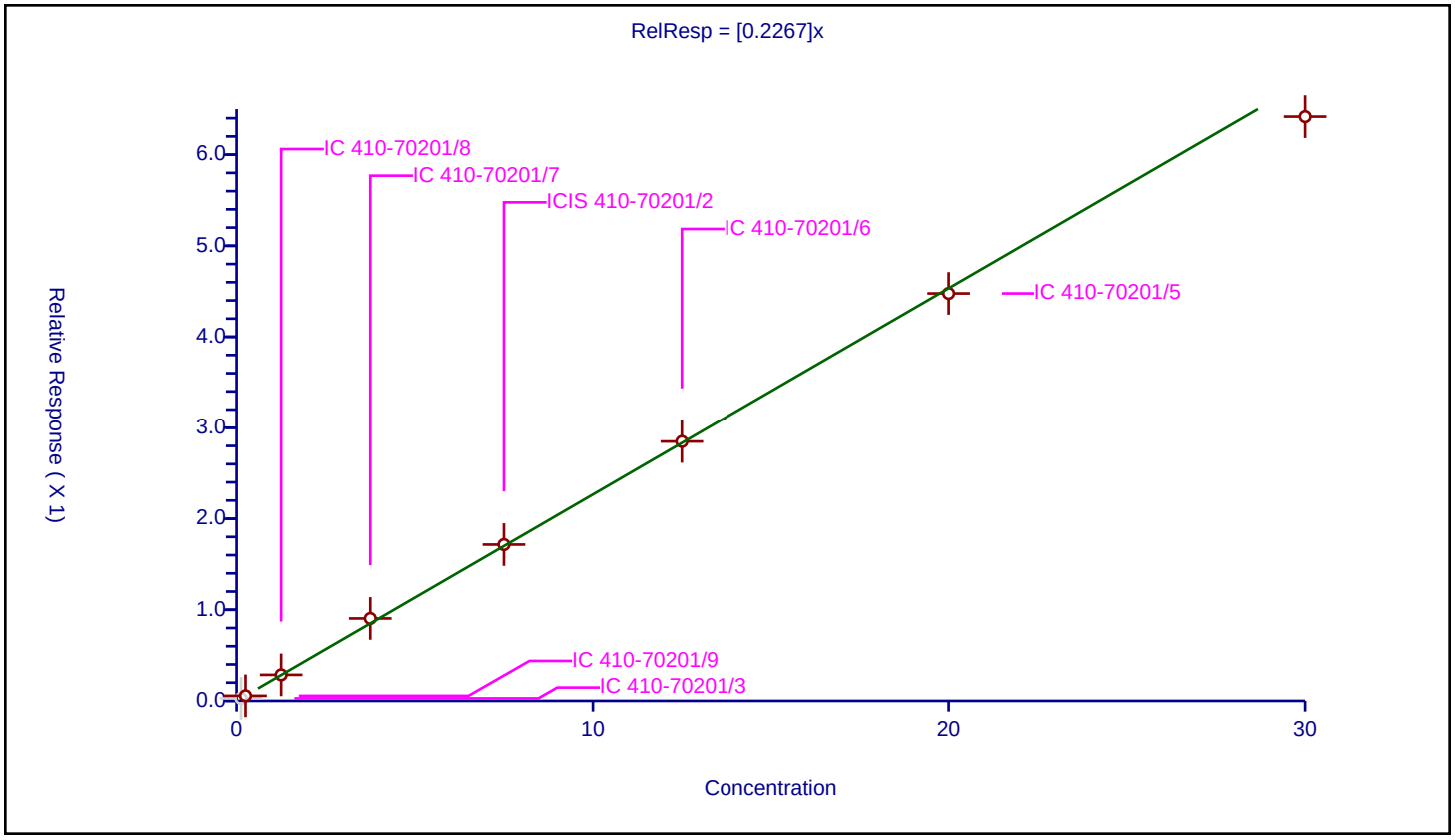
Curve Coefficients

Intercept:	0
Slope:	0.2267

Error Coefficients

Standard Error:	750000
Relative Standard Error:	3.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.027799	5.0	978265.0	0.222394	N
2	IC 410-70201/9	0.25	0.055587	5.0	999692.0	0.222348	Y
3	IC 410-70201/8	1.25	0.285797	5.0	1003544.0	0.228638	Y
4	IC 410-70201/7	3.75	0.904729	5.0	1004886.0	0.241261	Y
5	ICIS 410-70201/2	7.5	1.716103	5.0	998693.0	0.228814	Y
6	IC 410-70201/6	12.5	2.849018	5.0	1182425.0	0.227921	Y
7	IC 410-70201/5	20.0	4.476847	5.0	1084845.0	0.223842	Y
8	IC 410-70201/4	30.0	6.41713	5.0	1052409.0	0.213904	Y



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

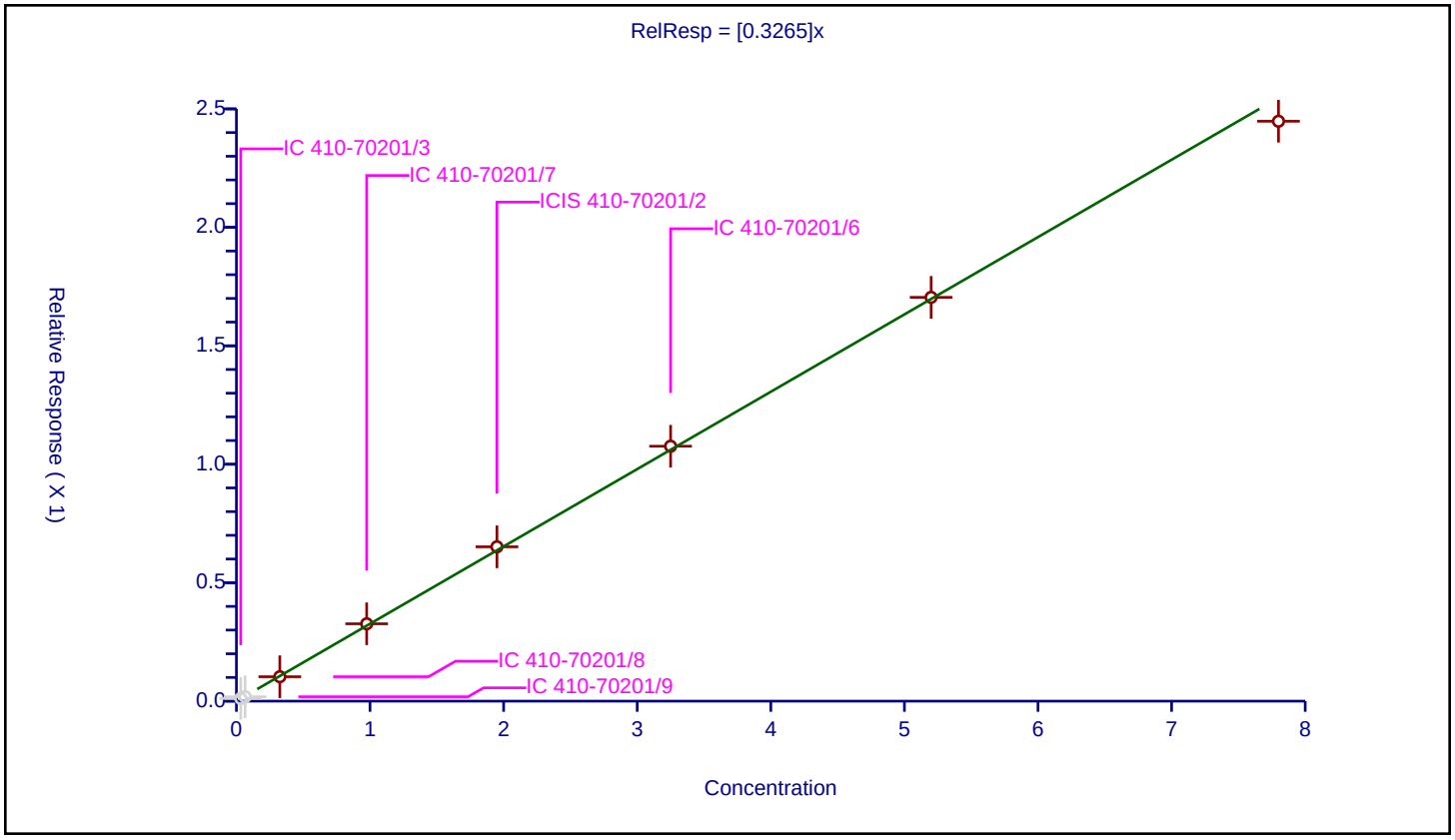
Curve Coefficients

Intercept:	0
Slope:	0.3265

Error Coefficients

Standard Error:	313000
Relative Standard Error:	2.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.0325	0.01151	5.0	978265.0	0.354159	N
2	IC 410-70201/9	0.065	0.018476	5.0	999692.0	0.284241	N
3	IC 410-70201/8	0.325	0.10309	5.0	1003544.0	0.317199	Y
4	IC 410-70201/7	0.975	0.326525	5.0	1004886.0	0.334897	Y
5	ICIS 410-70201/2	1.95	0.651471	5.0	998693.0	0.334088	Y
6	IC 410-70201/6	3.25	1.076119	5.0	1182425.0	0.331114	Y
7	IC 410-70201/5	5.2	1.704451	5.0	1084845.0	0.327779	Y
8	IC 410-70201/4	7.8	2.447836	5.0	1052409.0	0.313825	Y



Calibration / Hexachlorobenzene

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

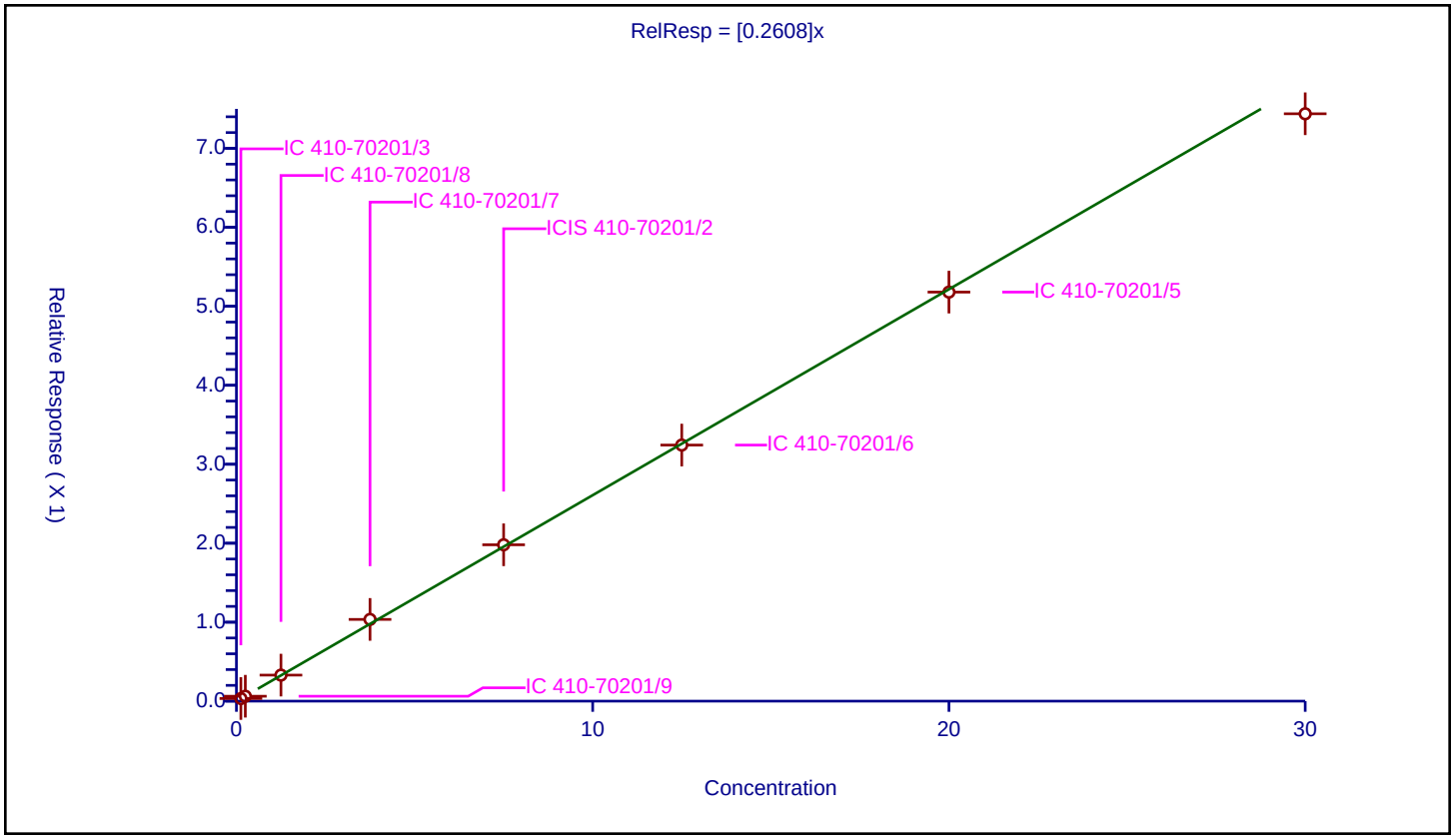
Curve Coefficients

Intercept:	0
Slope:	0.2608

Error Coefficients

Standard Error:	802000
Relative Standard Error:	3.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.033355	5.0	978265.0	0.26684	Y
2	IC 410-70201/9	0.25	0.062359	5.0	999692.0	0.249437	Y
3	IC 410-70201/8	1.25	0.329552	5.0	1003544.0	0.263642	Y
4	IC 410-70201/7	3.75	1.035088	5.0	1004886.0	0.276023	Y
5	ICIS 410-70201/2	7.5	1.979993	5.0	998693.0	0.263999	Y
6	IC 410-70201/6	12.5	3.242764	5.0	1182425.0	0.259421	Y
7	IC 410-70201/5	20.0	5.179892	5.0	1084845.0	0.258995	Y
8	IC 410-70201/4	30.0	7.438173	5.0	1052409.0	0.247939	Y



Calibration / Dimethoate

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

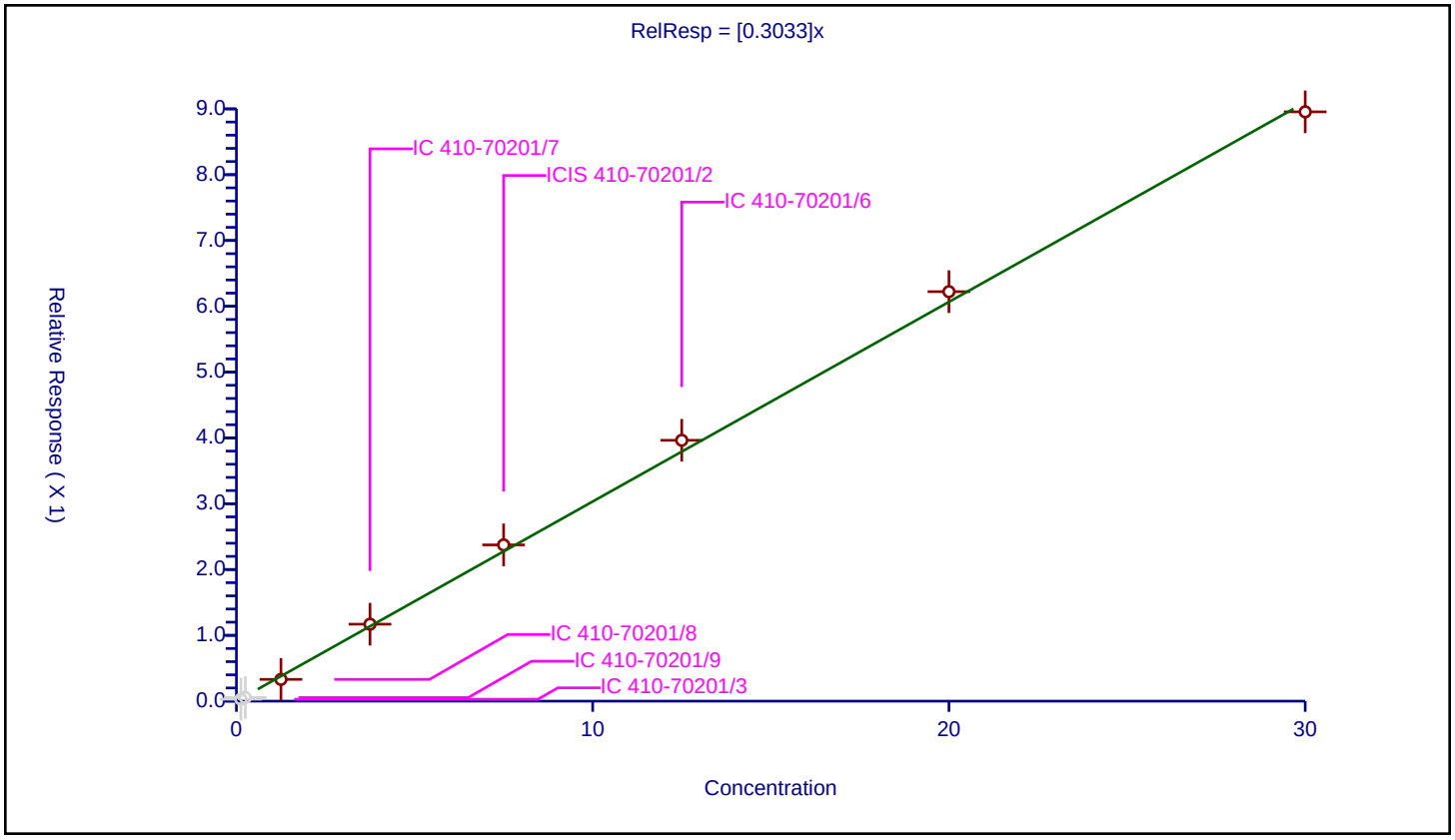
Curve Coefficients

Intercept:	0
Slope:	0.3033

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	6.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.029782	5.0	978265.0	0.238259	N
2	IC 410-70201/9	0.25	0.054377	5.0	999692.0	0.217507	N
3	IC 410-70201/8	1.25	0.330927	5.0	1003544.0	0.264742	Y
4	IC 410-70201/7	3.75	1.16968	5.0	1004886.0	0.311915	Y
5	ICIS 410-70201/2	7.5	2.374243	5.0	998693.0	0.316566	Y
6	IC 410-70201/6	12.5	3.964222	5.0	1182425.0	0.317138	Y
7	IC 410-70201/5	20.0	6.222479	5.0	1084845.0	0.311124	Y
8	IC 410-70201/4	30.0	8.954993	5.0	1052409.0	0.2985	Y



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

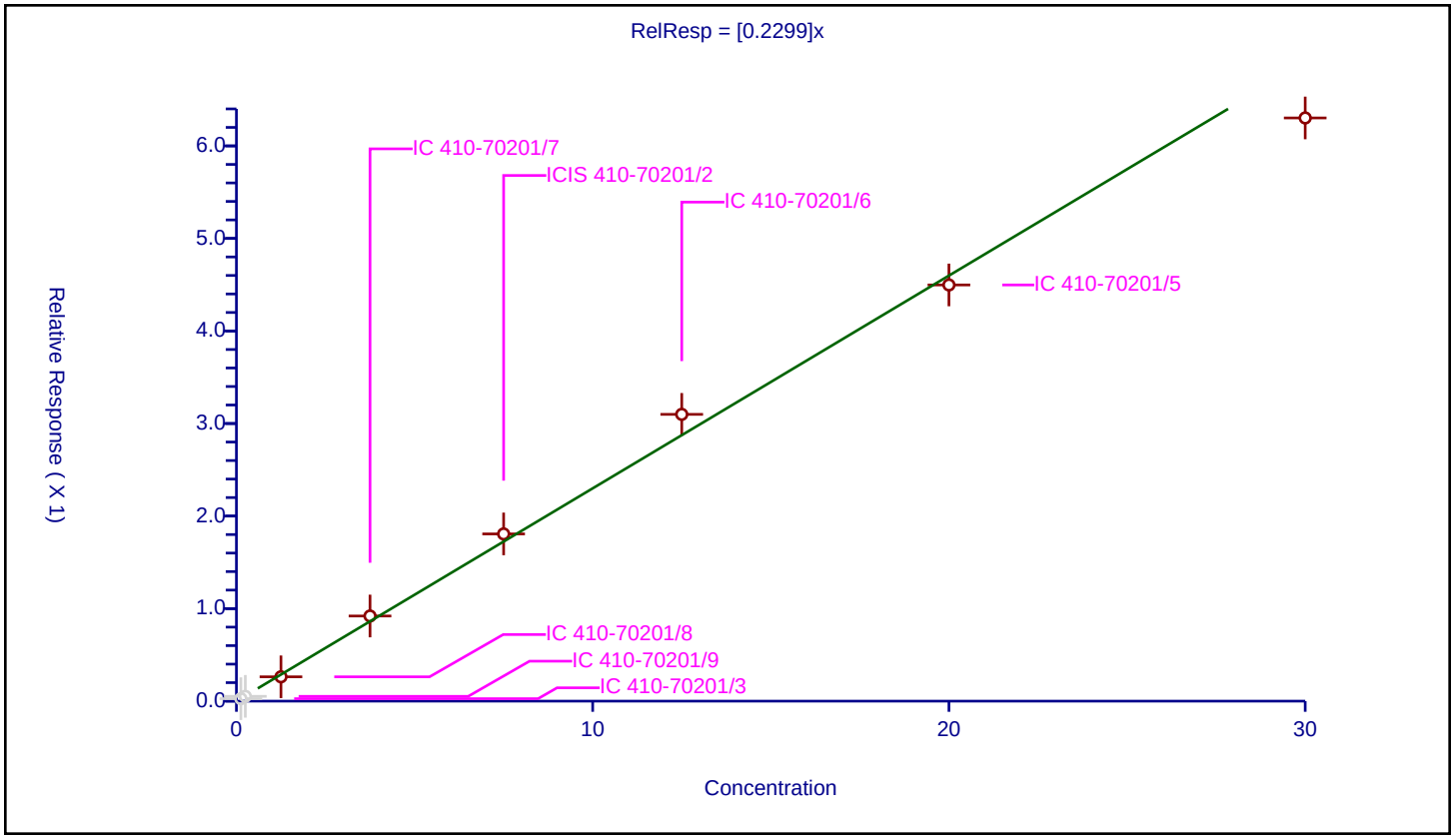
Curve Coefficients

Intercept:	0
Slope:	0.2299

Error Coefficients

Standard Error:	827000
Relative Standard Error:	7.5
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.026496	5.0	978265.0	0.211967	N
2	IC 410-70201/9	0.25	0.052006	5.0	999692.0	0.208024	N
3	IC 410-70201/8	1.25	0.263008	5.0	1003544.0	0.210406	Y
4	IC 410-70201/7	3.75	0.919871	5.0	1004886.0	0.245299	Y
5	ICIS 410-70201/2	7.5	1.807162	5.0	998693.0	0.240955	Y
6	IC 410-70201/6	12.5	3.099127	5.0	1182425.0	0.24793	Y
7	IC 410-70201/5	20.0	4.4975	5.0	1084845.0	0.224875	Y
8	IC 410-70201/4	30.0	6.302103	5.0	1052409.0	0.21007	Y



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

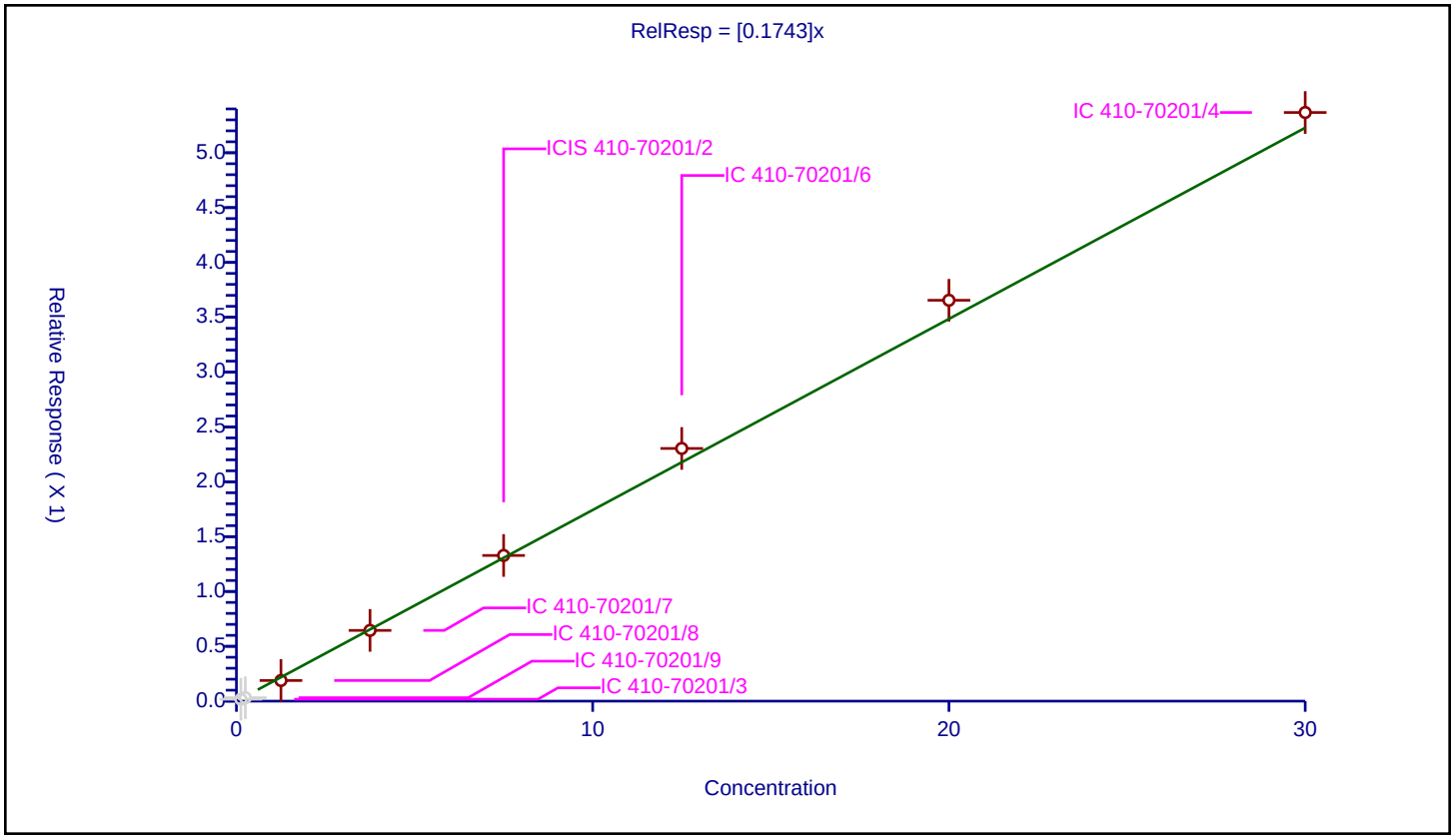
Curve Coefficients

Intercept:	0
Slope:	0.1743

Error Coefficients

Standard Error:	677000
Relative Standard Error:	7.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.0177	5.0	978265.0	0.141598	N
2	IC 410-70201/9	0.25	0.031335	5.0	999692.0	0.125339	N
3	IC 410-70201/8	1.25	0.188113	5.0	1003544.0	0.150491	Y
4	IC 410-70201/7	3.75	0.644859	5.0	1004886.0	0.171962	Y
5	ICIS 410-70201/2	7.5	1.328171	5.0	998693.0	0.177089	Y
6	IC 410-70201/6	12.5	2.304066	5.0	1182425.0	0.184325	Y
7	IC 410-70201/5	20.0	3.655061	5.0	1084845.0	0.182753	Y
8	IC 410-70201/4	30.0	5.367253	5.0	1052409.0	0.178908	Y



Calibration / 4-Aminobiphenyl

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

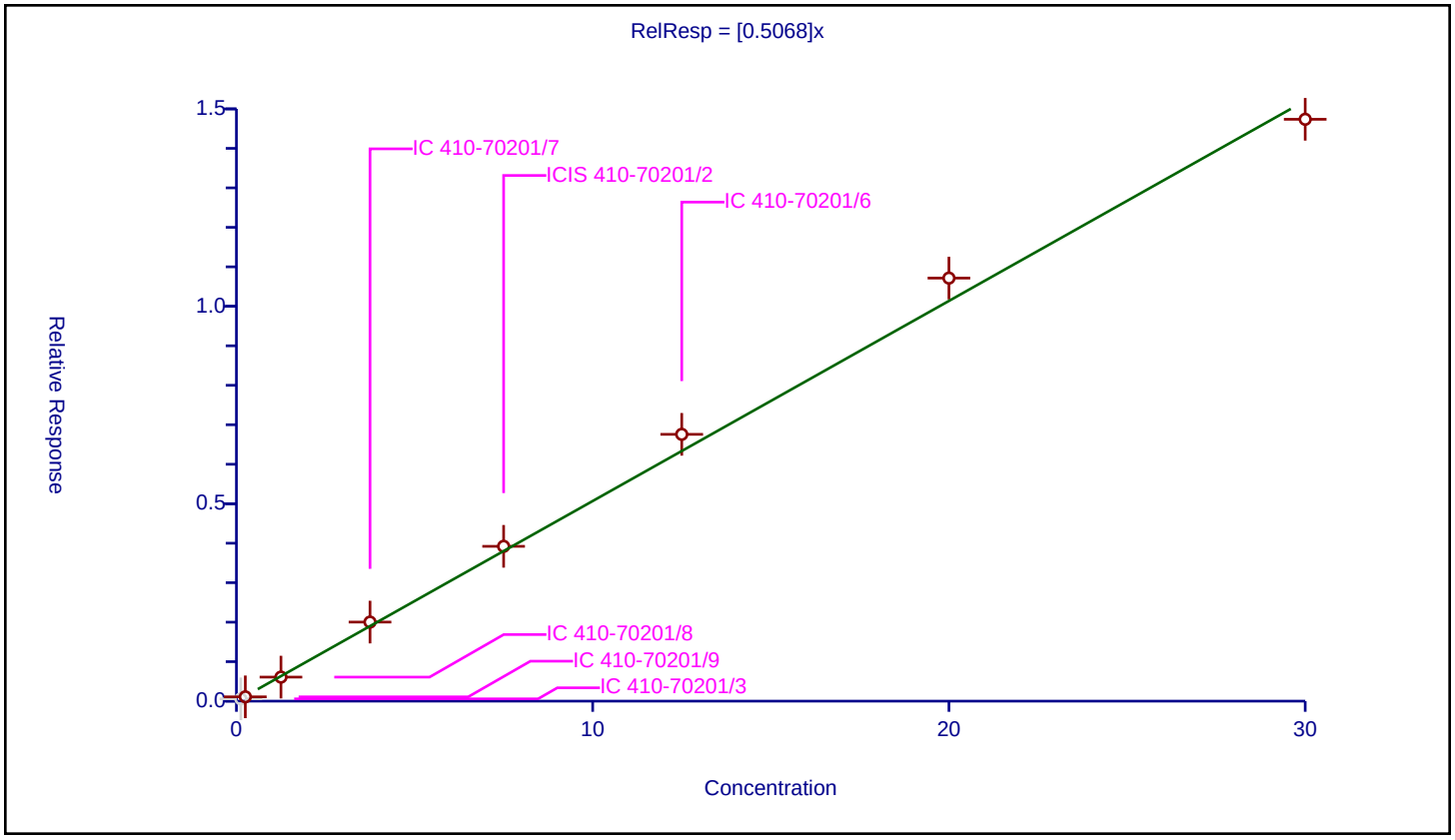
Curve Coefficients

Intercept:	0
Slope:	0.5068

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	7.4
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.058338	5.0	978265.0	0.466704	N
2	IC 410-70201/9	0.25	0.109154	5.0	999692.0	0.436614	Y
3	IC 410-70201/8	1.25	0.608628	5.0	1003544.0	0.486902	Y
4	IC 410-70201/7	3.75	2.002496	5.0	1004886.0	0.533999	Y
5	ICIS 410-70201/2	7.5	3.920794	5.0	998693.0	0.522773	Y
6	IC 410-70201/6	12.5	6.757443	5.0	1182425.0	0.540595	Y
7	IC 410-70201/5	20.0	10.714766	5.0	1084845.0	0.535738	Y
8	IC 410-70201/4	30.0	14.736566	5.0	1052409.0	0.491219	Y



Calibration / Pentachloronitrobenzene

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

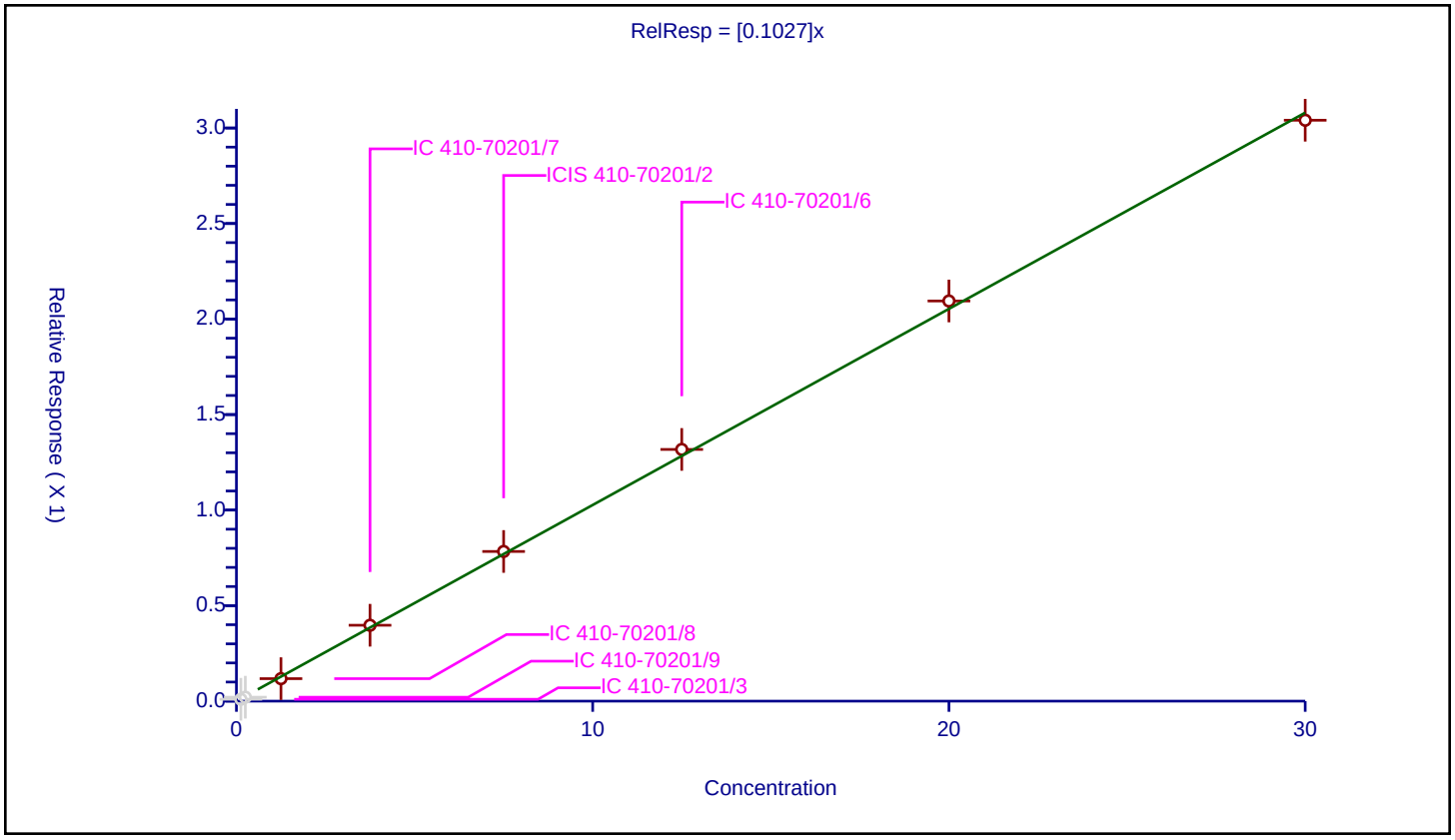
Curve Coefficients

Intercept:	0
Slope:	0.1027

Error Coefficients

Standard Error:	386000
Relative Standard Error:	4.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.009859	5.0	978265.0	0.078874	N
2	IC 410-70201/9	0.25	0.020531	5.0	999692.0	0.082125	N
3	IC 410-70201/8	1.25	0.117688	5.0	1003544.0	0.09415	Y
4	IC 410-70201/7	3.75	0.397179	5.0	1004886.0	0.105915	Y
5	ICIS 410-70201/2	7.5	0.783414	5.0	998693.0	0.104455	Y
6	IC 410-70201/6	12.5	1.317504	5.0	1182425.0	0.1054	Y
7	IC 410-70201/5	20.0	2.094543	5.0	1084845.0	0.104727	Y
8	IC 410-70201/4	30.0	3.040667	5.0	1052409.0	0.101356	Y



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

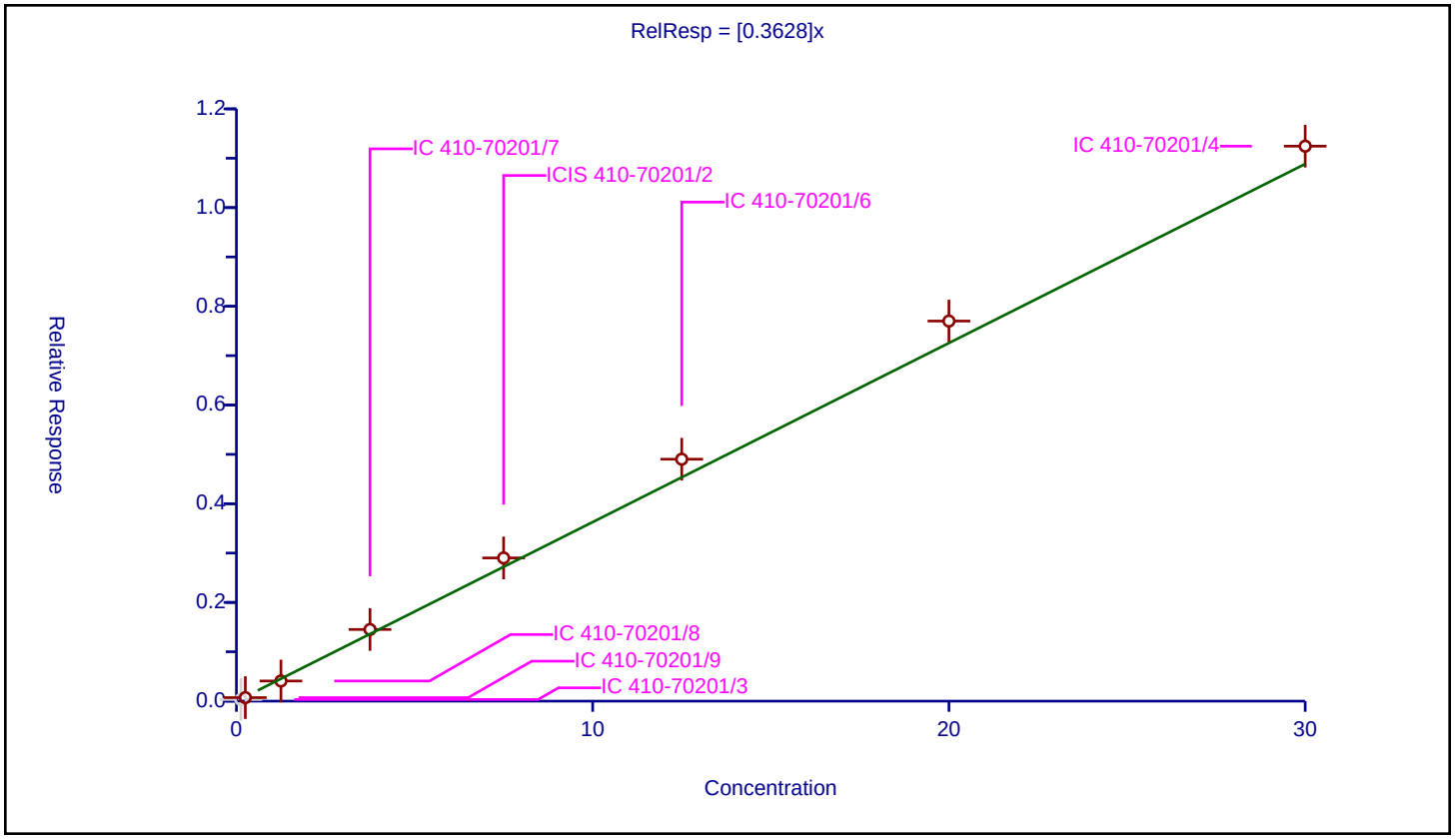
Curve Coefficients

Intercept:	0
Slope:	0.3628

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	11.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.033232	5.0	978265.0	0.265858	N
2	IC 410-70201/9	0.25	0.071692	5.0	999692.0	0.286768	Y
3	IC 410-70201/8	1.25	0.408502	5.0	1003544.0	0.326802	Y
4	IC 410-70201/7	3.75	1.451956	5.0	1004886.0	0.387188	Y
5	ICIS 410-70201/2	7.5	2.901502	5.0	998693.0	0.386867	Y
6	IC 410-70201/6	12.5	4.901736	5.0	1182425.0	0.392139	Y
7	IC 410-70201/5	20.0	7.701225	5.0	1084845.0	0.385061	Y
8	IC 410-70201/4	30.0	11.24464	5.0	1052409.0	0.374821	Y



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

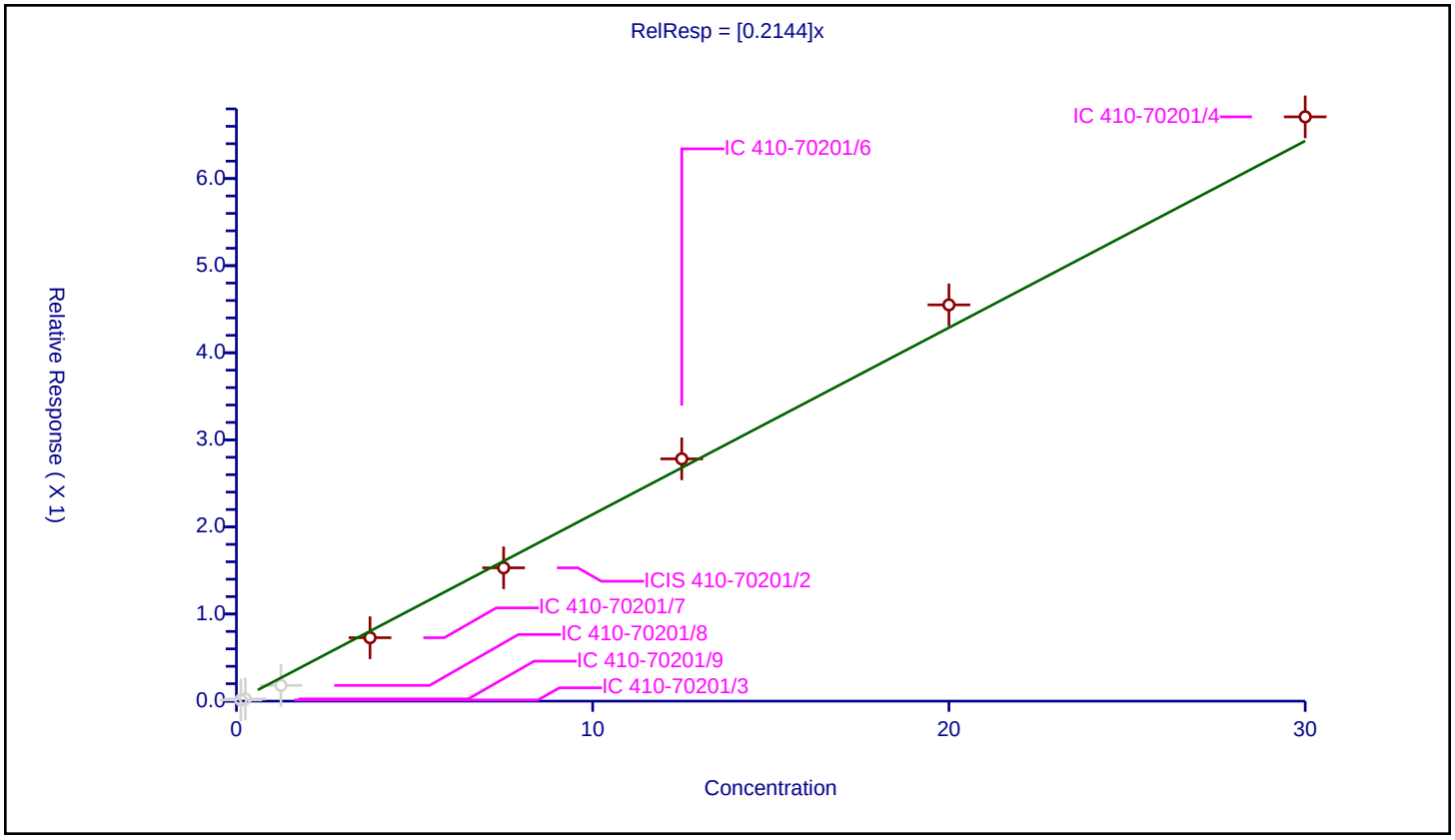
Curve Coefficients

Intercept:	0
Slope:	0.2144

Error Coefficients

Standard Error:	938000
Relative Standard Error:	6.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.01335	5.0	978265.0	0.106801	N
2	IC 410-70201/9	0.25	0.025368	5.0	999692.0	0.101471	N
3	IC 410-70201/8	1.25	0.180152	5.0	1003544.0	0.144121	N
4	IC 410-70201/7	3.75	0.728311	5.0	1004886.0	0.194216	Y
5	ICIS 410-70201/2	7.5	1.530801	5.0	998693.0	0.204107	Y
6	IC 410-70201/6	12.5	2.781601	5.0	1182425.0	0.222528	Y
7	IC 410-70201/5	20.0	4.549788	5.0	1084845.0	0.227489	Y
8	IC 410-70201/4	30.0	6.708685	5.0	1052409.0	0.223623	Y



Calibration / Phenanthrene

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

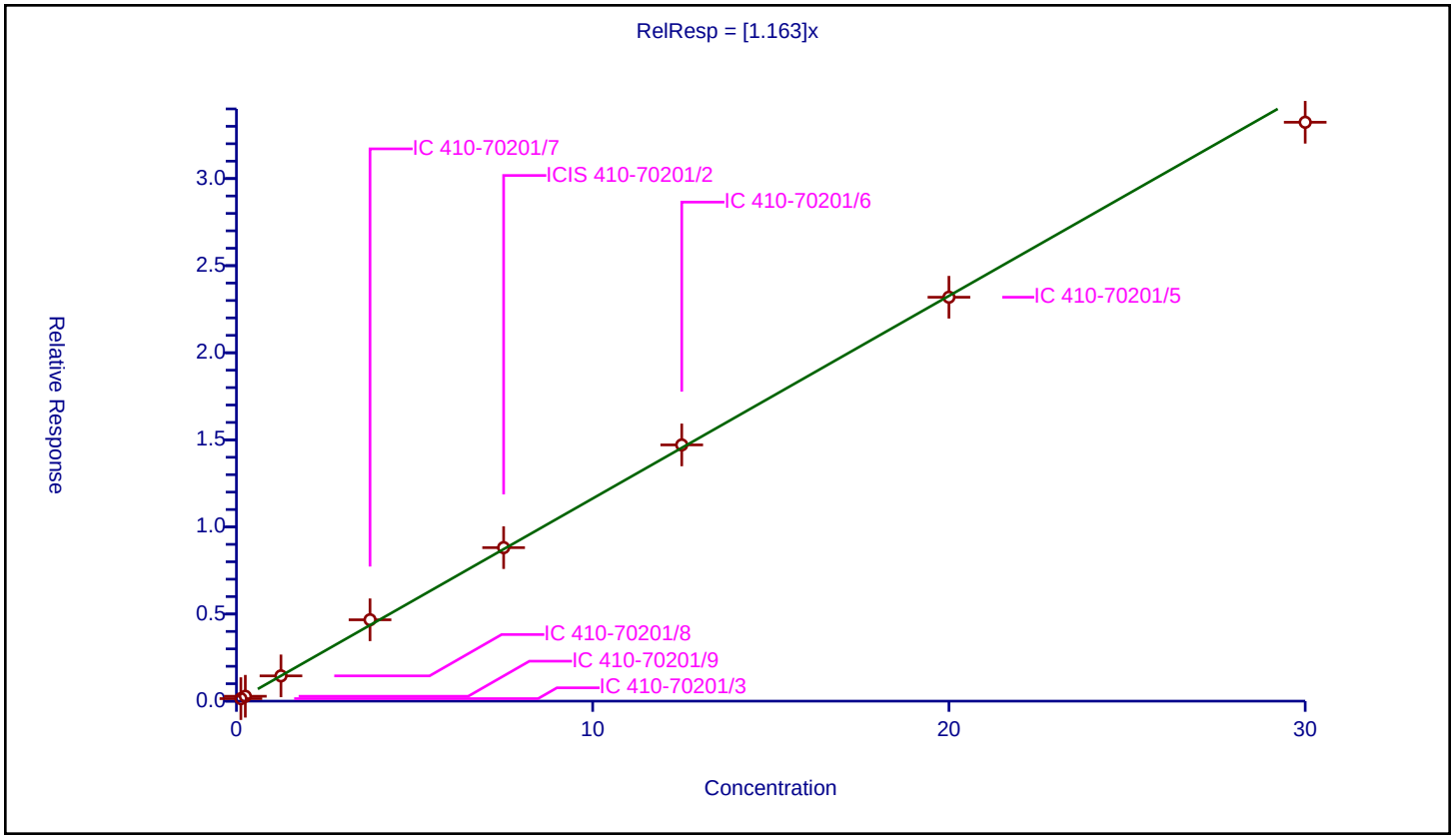
Curve Coefficients

Intercept:	0
Slope:	1.163

Error Coefficients

Standard Error:	3590000
Relative Standard Error:	3.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.144843	5.0	978265.0	1.158745	Y
2	IC 410-70201/9	0.25	0.280681	5.0	999692.0	1.122726	Y
3	IC 410-70201/8	1.25	1.450006	5.0	1003544.0	1.160005	Y
4	IC 410-70201/7	3.75	4.670619	5.0	1004886.0	1.245498	Y
5	ICIS 410-70201/2	7.5	8.812939	5.0	998693.0	1.175058	Y
6	IC 410-70201/6	12.5	14.710637	5.0	1182425.0	1.176851	Y
7	IC 410-70201/5	20.0	23.188912	5.0	1084845.0	1.159446	Y
8	IC 410-70201/4	30.0	33.232546	5.0	1052409.0	1.107752	Y



Calibration / Anthracene

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

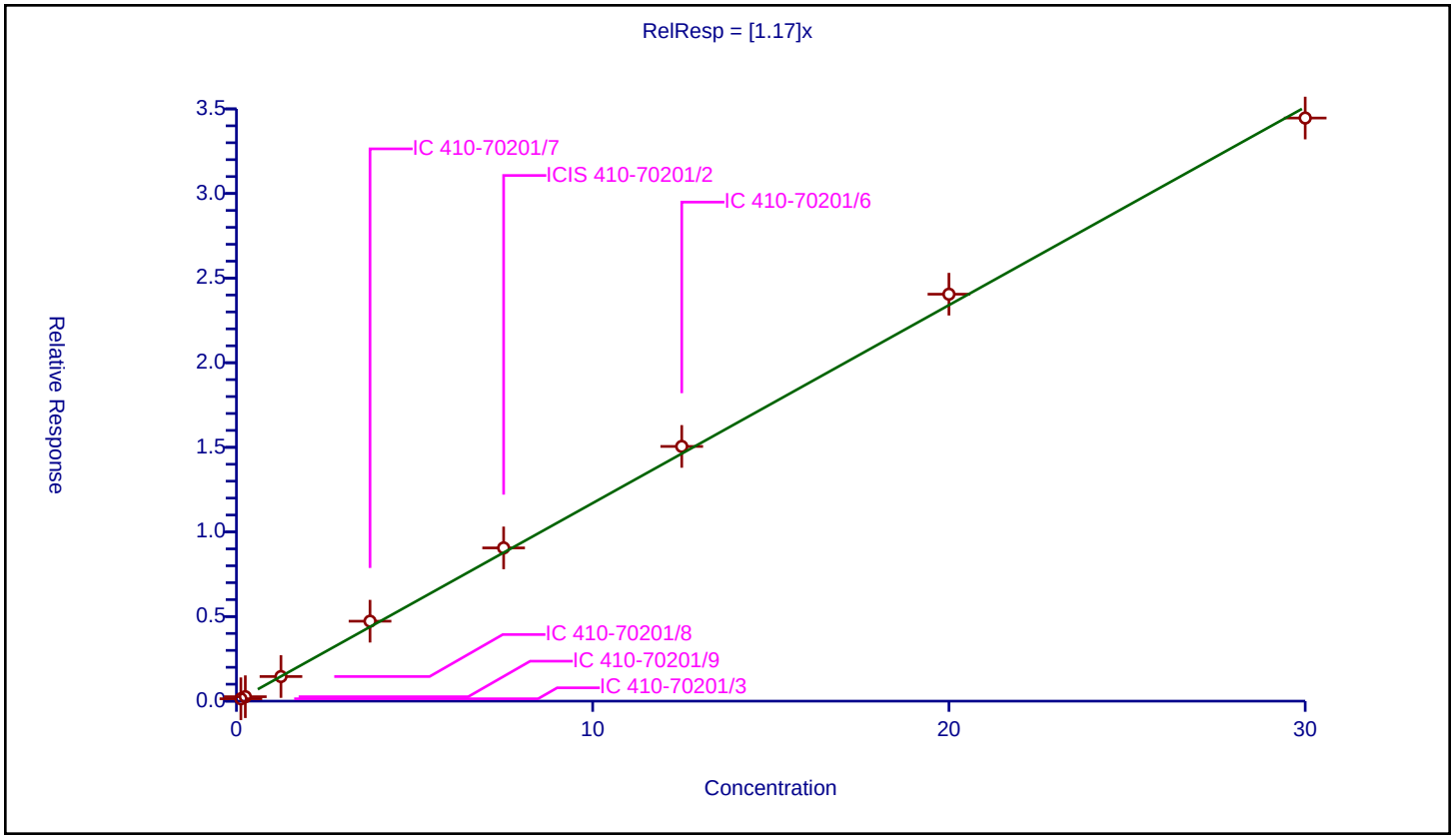
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	3720000
Relative Standard Error:	5.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.140657	5.0	978265.0	1.125257	Y
2	IC 410-70201/9	0.25	0.262836	5.0	999692.0	1.051344	Y
3	IC 410-70201/8	1.25	1.453255	5.0	1003544.0	1.162604	Y
4	IC 410-70201/7	3.75	4.724451	5.0	1004886.0	1.259854	Y
5	ICIS 410-70201/2	7.5	9.05542	5.0	998693.0	1.207389	Y
6	IC 410-70201/6	12.5	15.052663	5.0	1182425.0	1.204213	Y
7	IC 410-70201/5	20.0	24.049597	5.0	1084845.0	1.20248	Y
8	IC 410-70201/4	30.0	34.460837	5.0	1052409.0	1.148695	Y



Calibration / Carbazole

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

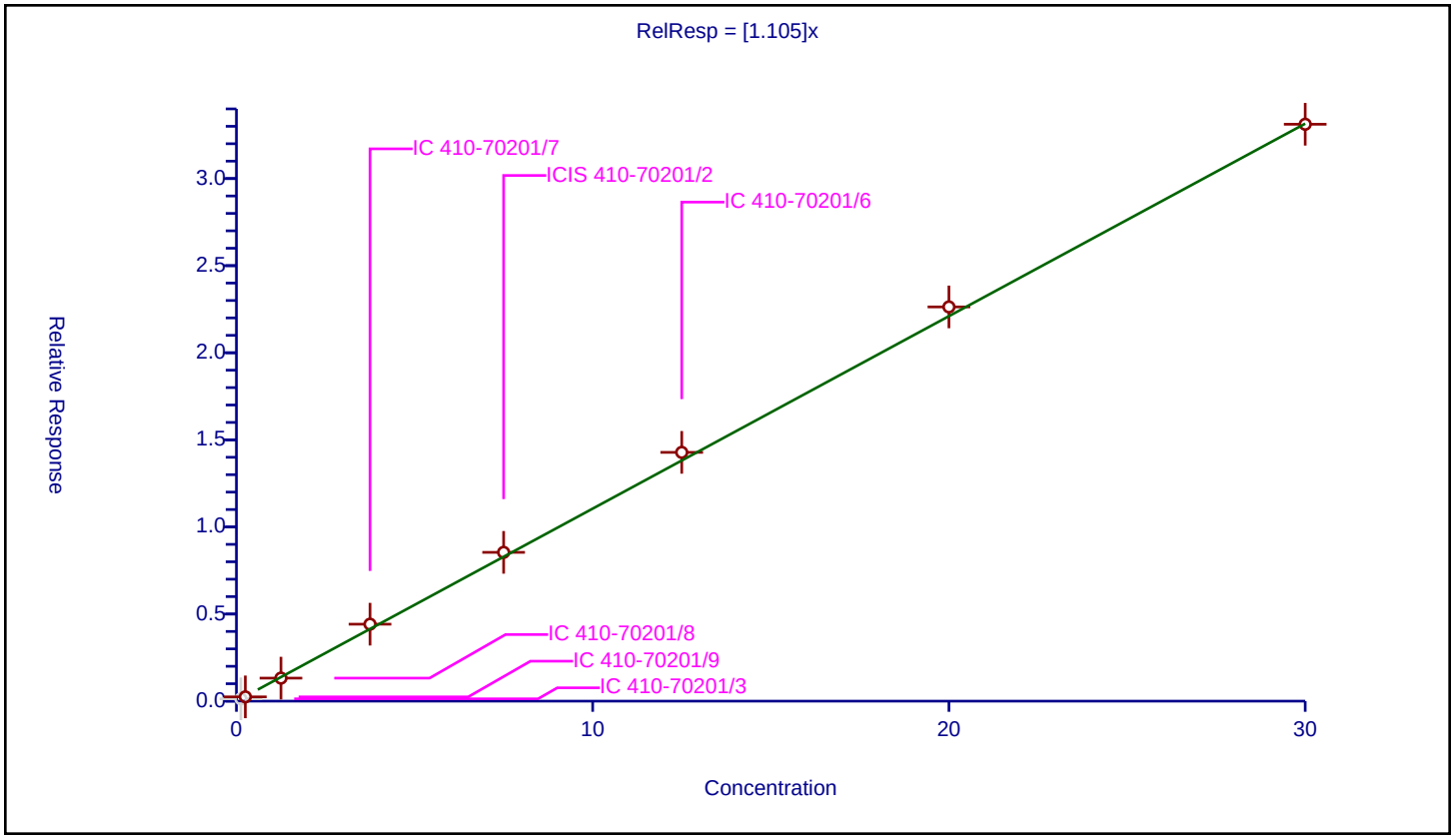
Curve Coefficients

Intercept:	0
Slope:	1.105

Error Coefficients

Standard Error:	3830000
Relative Standard Error:	5.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.133783	5.0	978265.0	1.070262	N
2	IC 410-70201/9	0.25	0.245791	5.0	999692.0	0.983163	Y
3	IC 410-70201/8	1.25	1.32195	5.0	1003544.0	1.05756	Y
4	IC 410-70201/7	3.75	4.417929	5.0	1004886.0	1.178114	Y
5	ICIS 410-70201/2	7.5	8.54224	5.0	998693.0	1.138965	Y
6	IC 410-70201/6	12.5	14.281223	5.0	1182425.0	1.142498	Y
7	IC 410-70201/5	20.0	22.632335	5.0	1084845.0	1.131617	Y
8	IC 410-70201/4	30.0	33.117704	5.0	1052409.0	1.103923	Y



Calibration / Methyl parathion

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

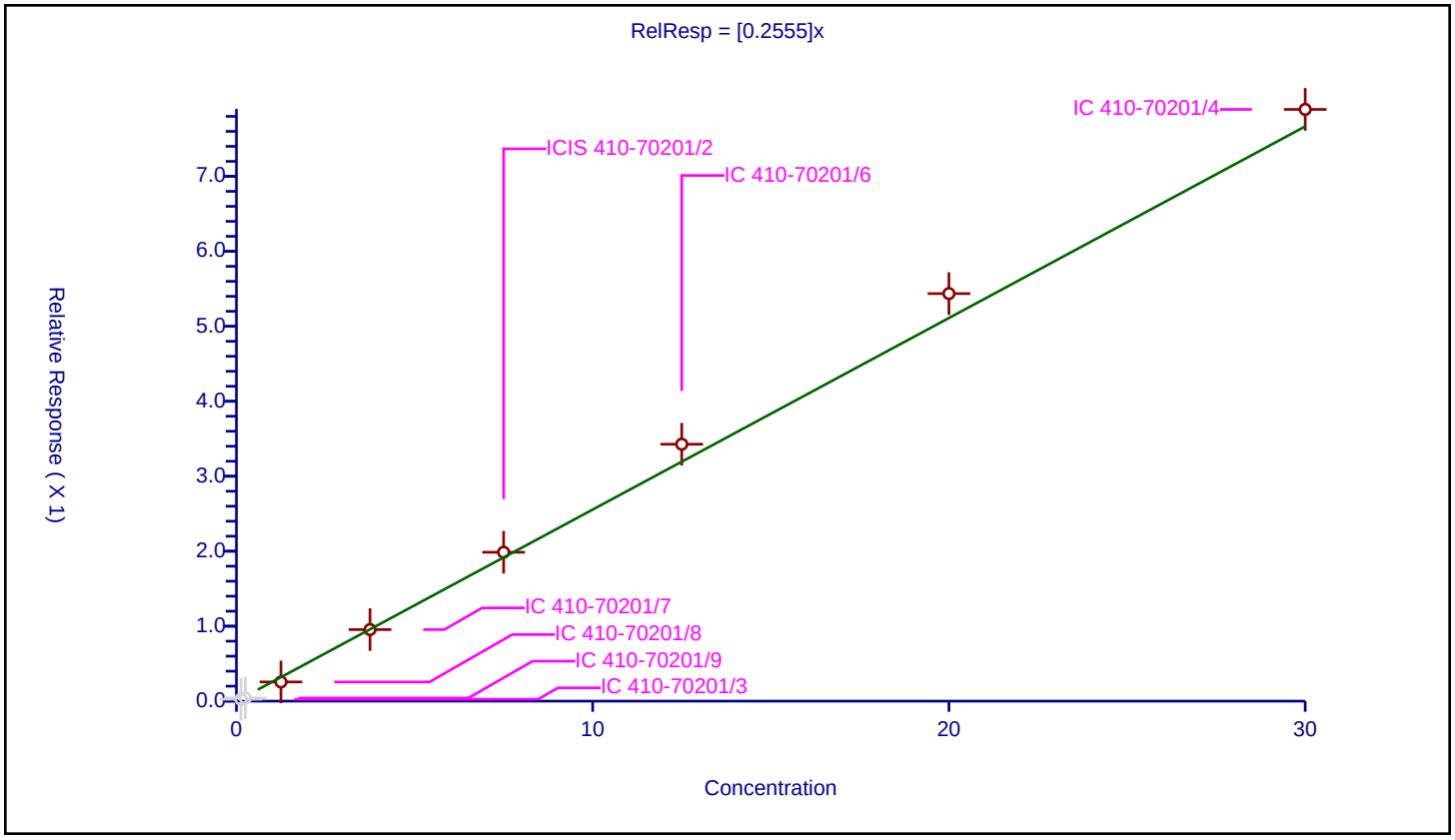
Curve Coefficients

Intercept:	0
Slope:	0.2555

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	10.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.025269	5.0	978265.0	0.202154	N
2	IC 410-70201/9	0.25	0.040873	5.0	999692.0	0.16349	N
3	IC 410-70201/8	1.25	0.255938	5.0	1003544.0	0.20475	Y
4	IC 410-70201/7	3.75	0.954596	5.0	1004886.0	0.254559	Y
5	ICIS 410-70201/2	7.5	1.986211	5.0	998693.0	0.264828	Y
6	IC 410-70201/6	12.5	3.427241	5.0	1182425.0	0.274179	Y
7	IC 410-70201/5	20.0	5.436035	5.0	1084845.0	0.271802	Y
8	IC 410-70201/4	30.0	7.892953	5.0	1052409.0	0.263098	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

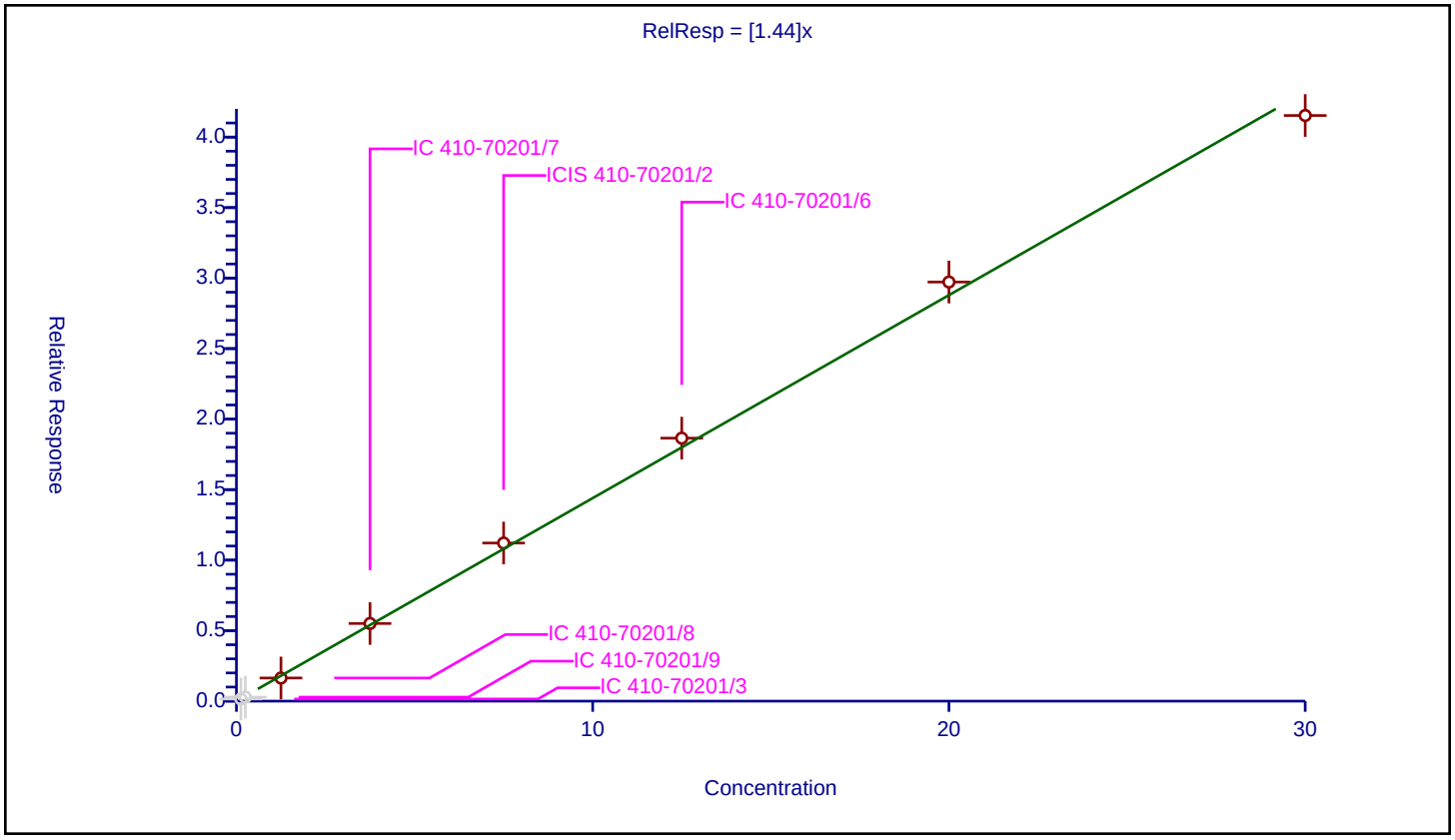
Curve Coefficients

Intercept:	0
Slope:	1.44

Error Coefficients

Standard Error:	5360000
Relative Standard Error:	5.2
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.151907	5.0	978265.0	1.215254	N
2	IC 410-70201/9	0.25	0.284263	5.0	999692.0	1.13705	N
3	IC 410-70201/8	1.25	1.639888	5.0	1003544.0	1.311911	Y
4	IC 410-70201/7	3.75	5.505848	5.0	1004886.0	1.468226	Y
5	ICIS 410-70201/2	7.5	11.212254	5.0	998693.0	1.494967	Y
6	IC 410-70201/6	12.5	18.651766	5.0	1182425.0	1.492141	Y
7	IC 410-70201/5	20.0	29.723384	5.0	1084845.0	1.486169	Y
8	IC 410-70201/4	30.0	41.530736	5.0	1052409.0	1.384358	Y



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

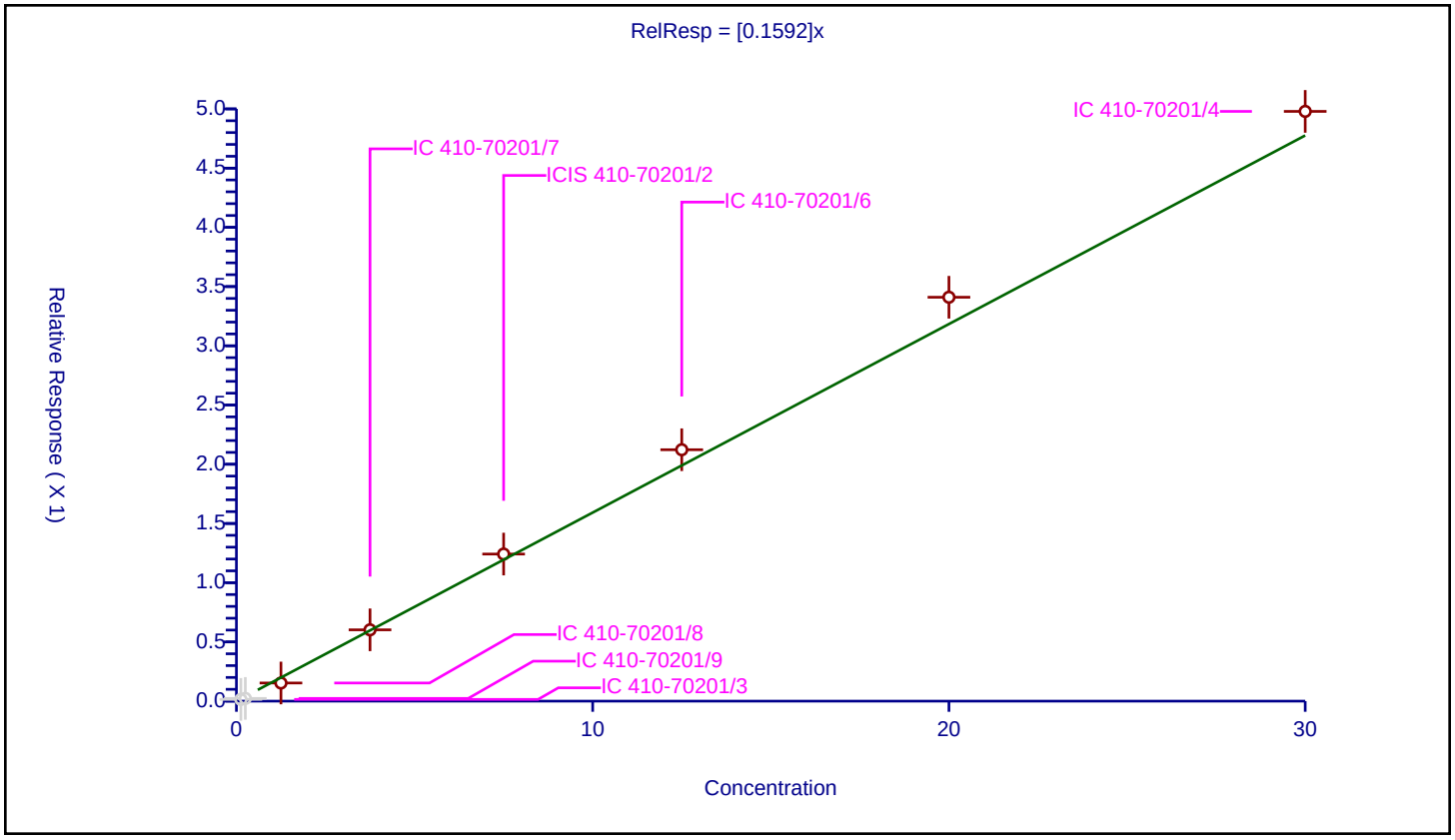
Curve Coefficients

Intercept:	0
Slope:	0.1592

Error Coefficients

Standard Error:	628000
Relative Standard Error:	11.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.014689	5.0	978265.0	0.117514	N
2	IC 410-70201/9	0.25	0.023047	5.0	999692.0	0.092188	N
3	IC 410-70201/8	1.25	0.153347	5.0	1003544.0	0.122677	Y
4	IC 410-70201/7	3.75	0.602163	5.0	1004886.0	0.160577	Y
5	ICIS 410-70201/2	7.5	1.241858	5.0	998693.0	0.165581	Y
6	IC 410-70201/6	12.5	2.122532	5.0	1182425.0	0.169803	Y
7	IC 410-70201/5	20.0	3.409911	5.0	1084845.0	0.170496	Y
8	IC 410-70201/4	30.0	4.978896	5.0	1052409.0	0.165963	Y



Calibration / 4-Nitroquinoline-1-oxide

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

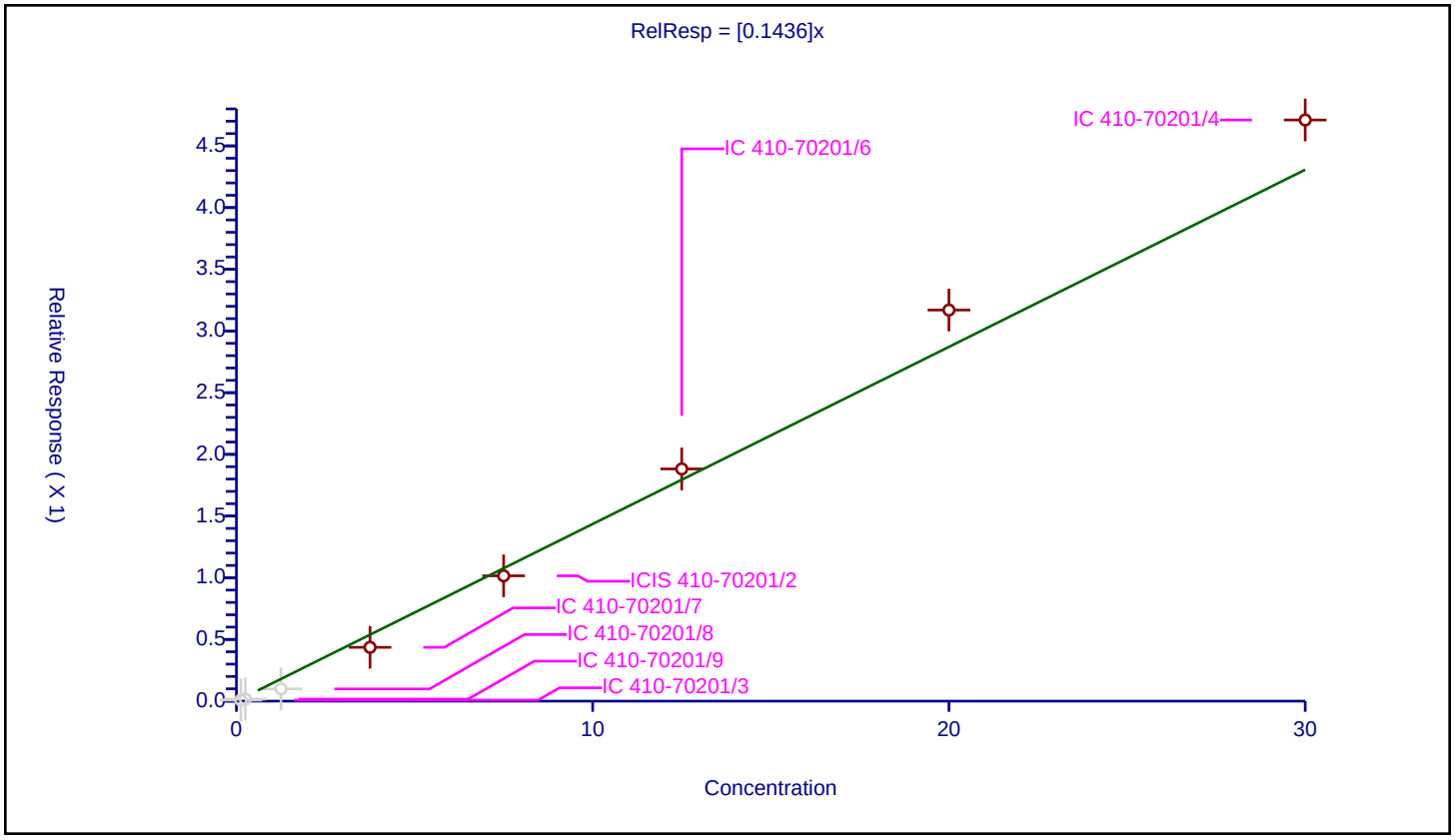
Curve Coefficients

Intercept:	0
Slope:	0.1436

Error Coefficients

Standard Error:	652000
Relative Standard Error:	12.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.00852	5.0	978265.0	0.068161	N
2	IC 410-70201/9	0.25	0.01668	5.0	999692.0	0.066721	N
3	IC 410-70201/8	1.25	0.098944	5.0	1003544.0	0.079155	N
4	IC 410-70201/7	3.75	0.436248	5.0	1004886.0	0.116333	Y
5	ICIS 410-70201/2	7.5	1.015768	5.0	998693.0	0.135436	Y
6	IC 410-70201/6	12.5	1.882031	5.0	1182425.0	0.150562	Y
7	IC 410-70201/5	20.0	3.169596	5.0	1084845.0	0.15848	Y
8	IC 410-70201/4	30.0	4.710075	5.0	1052409.0	0.157002	Y



Calibration / Octachlorostyrene

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

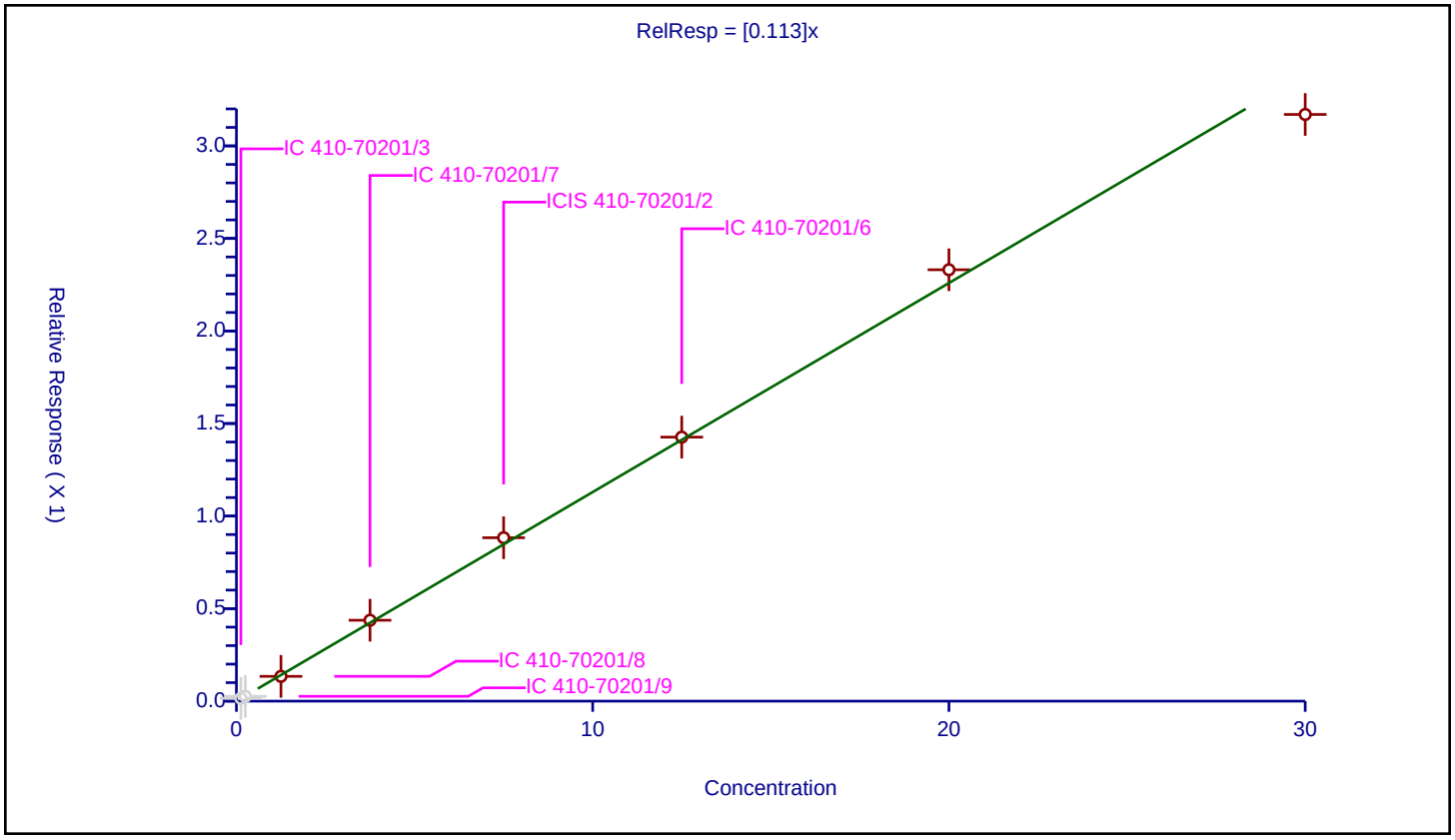
Curve Coefficients

Intercept:	0
Slope:	0.113

Error Coefficients

Standard Error:	413000
Relative Standard Error:	4.6
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.015548	5.0	978265.0	0.124383	N
2	IC 410-70201/9	0.25	0.026153	5.0	999692.0	0.104612	N
3	IC 410-70201/8	1.25	0.13391	5.0	1003544.0	0.107128	Y
4	IC 410-70201/7	3.75	0.437119	5.0	1004886.0	0.116565	Y
5	ICIS 410-70201/2	7.5	0.882954	5.0	998693.0	0.117727	Y
6	IC 410-70201/6	12.5	1.426433	5.0	1182425.0	0.114115	Y
7	IC 410-70201/5	20.0	2.330863	5.0	1084845.0	0.116543	Y
8	IC 410-70201/4	30.0	3.16997	5.0	1052409.0	0.105666	Y



Calibration / Isodrin

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

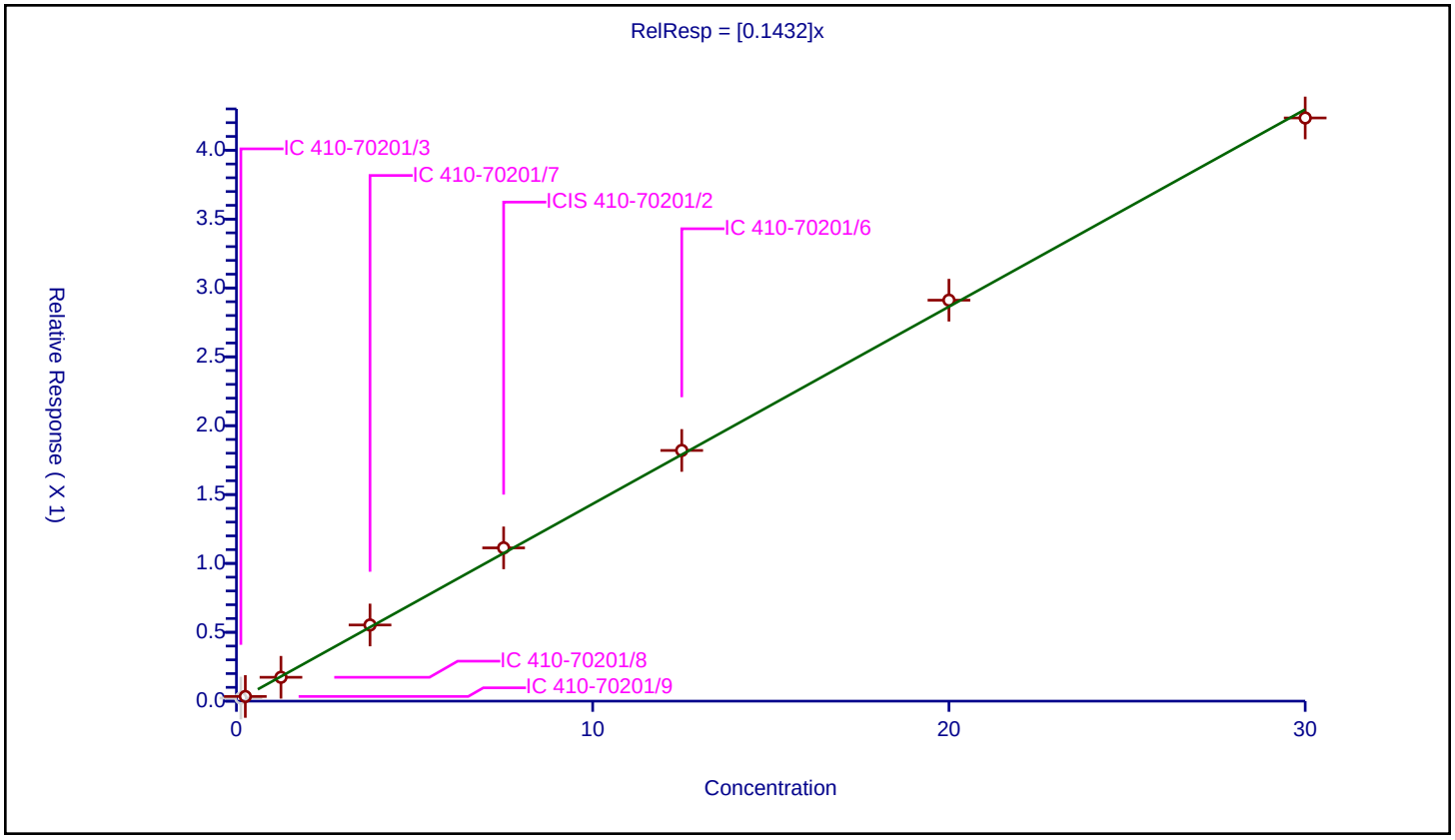
Curve Coefficients

Intercept:	0
Slope:	0.1432

Error Coefficients

Standard Error:	490000
Relative Standard Error:	3.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.022356	5.0	978265.0	0.178847	N
2	IC 410-70201/9	0.25	0.03394	5.0	999692.0	0.135762	Y
3	IC 410-70201/8	1.25	0.173181	5.0	1003544.0	0.138545	Y
4	IC 410-70201/7	3.75	0.552864	5.0	1004886.0	0.14743	Y
5	ICIS 410-70201/2	7.5	1.112714	5.0	998693.0	0.148362	Y
6	IC 410-70201/6	12.5	1.820213	5.0	1182425.0	0.145617	Y
7	IC 410-70201/5	20.0	2.91119	5.0	1084845.0	0.14556	Y
8	IC 410-70201/4	30.0	4.234224	5.0	1052409.0	0.141141	Y



Calibration / Fluoranthene

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

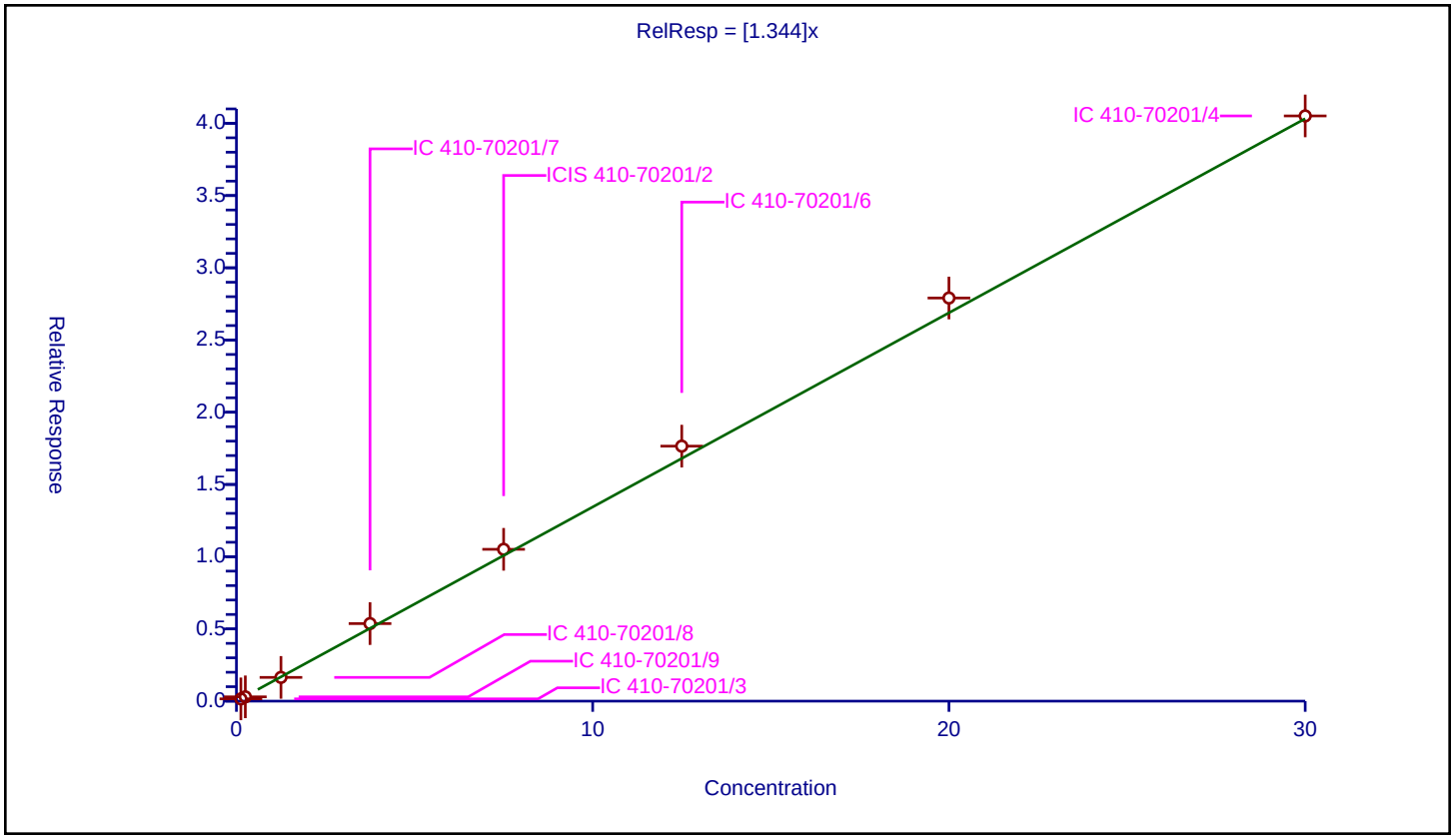
Curve Coefficients

Intercept:	0
Slope:	1.344

Error Coefficients

Standard Error:	4350000
Relative Standard Error:	6.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.15713	5.0	978265.0	1.257042	Y
2	IC 410-70201/9	0.25	0.297362	5.0	999692.0	1.189446	Y
3	IC 410-70201/8	1.25	1.644098	5.0	1003544.0	1.315279	Y
4	IC 410-70201/7	3.75	5.369171	5.0	1004886.0	1.431779	Y
5	ICIS 410-70201/2	7.5	10.510532	5.0	998693.0	1.401404	Y
6	IC 410-70201/6	12.5	17.653107	5.0	1182425.0	1.412249	Y
7	IC 410-70201/5	20.0	27.907683	5.0	1084845.0	1.395384	Y
8	IC 410-70201/4	30.0	40.514035	5.0	1052409.0	1.350468	Y



Calibration / Benzidine

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

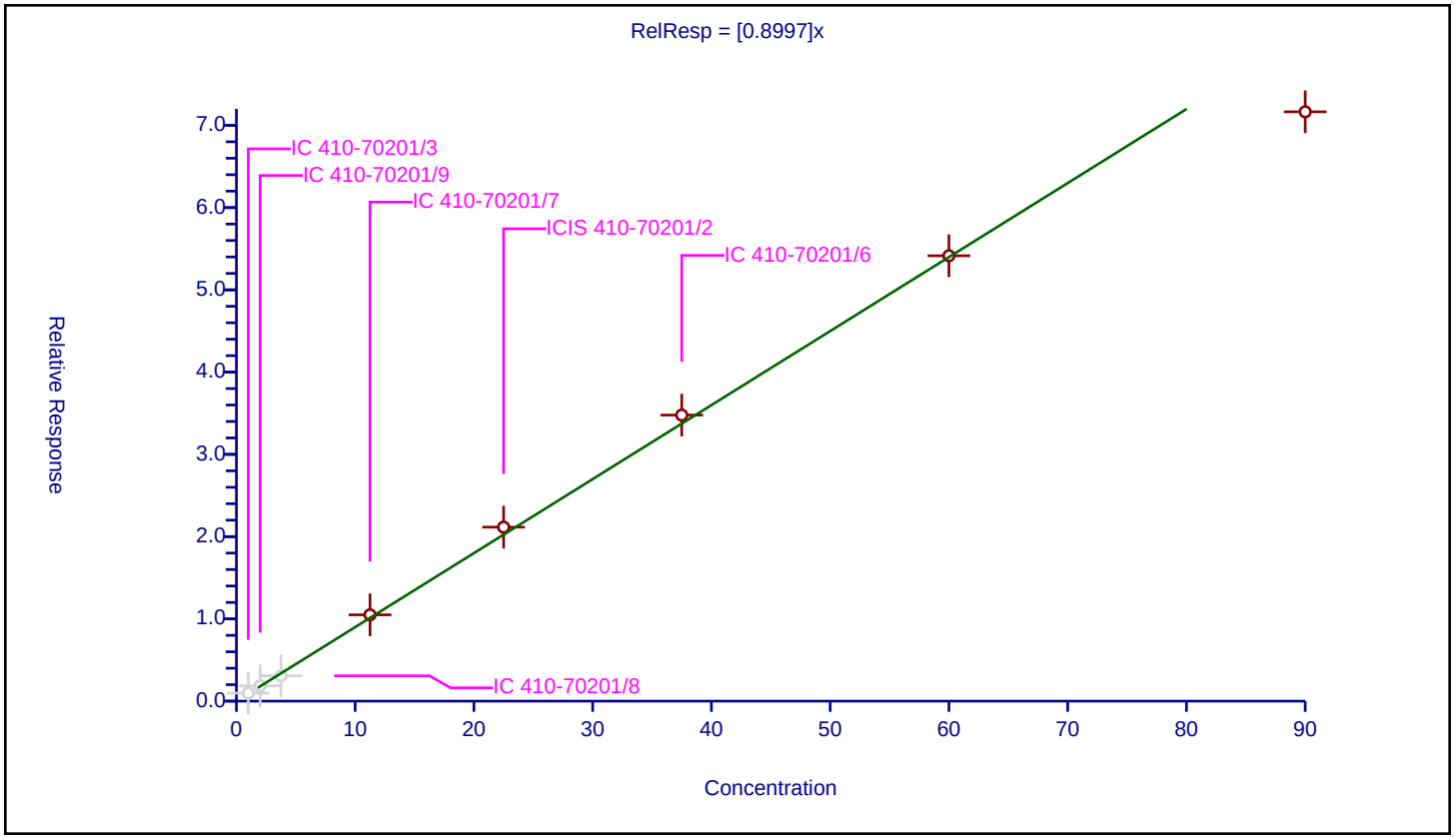
Curve Coefficients

Intercept:	0
Slope:	0.8997

Error Coefficients

Standard Error:	10800000
Relative Standard Error:	6.6
Correlation Coefficient:	0.971
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	1.0	0.971854	5.0	967213.0	0.971854	N
2	IC 410-70201/9	2.0	1.856047	5.0	1000624.0	0.928023	N
3	IC 410-70201/8	3.75	3.081417	5.0	1019573.0	0.821711	N
4	IC 410-70201/7	11.25	10.492665	5.0	1023130.0	0.932681	Y
5	ICIS 410-70201/2	22.5	21.151391	5.0	1023605.0	0.940062	Y
6	IC 410-70201/6	37.5	34.775518	5.0	1201188.0	0.927347	Y
7	IC 410-70201/5	60.0	54.145598	5.0	1103614.0	0.902427	Y
8	IC 410-70201/4	90.0	71.648442	5.0	1064563.0	0.796094	Y



Calibration / Pyrene

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

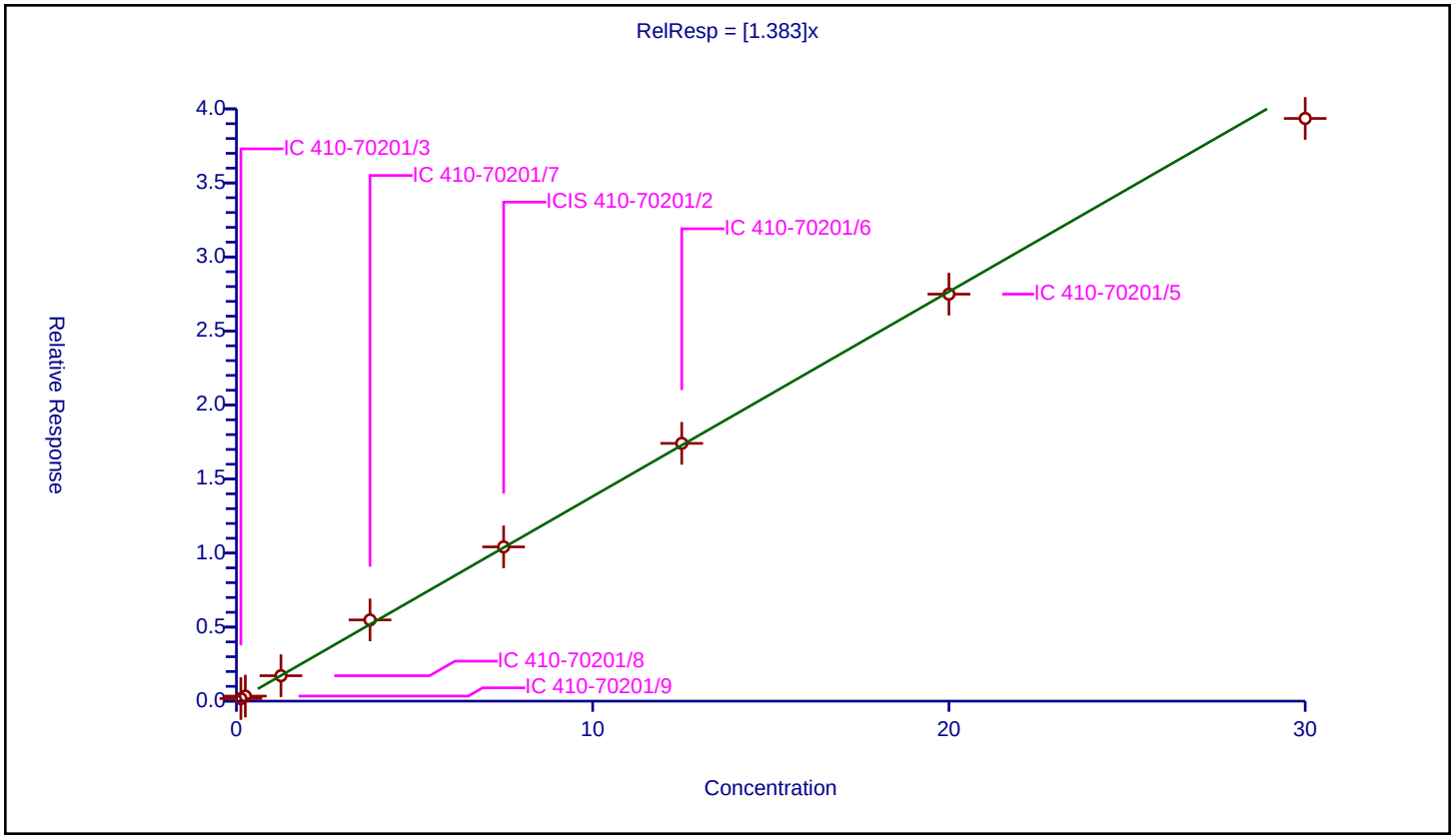
Curve Coefficients

Intercept:	0
Slope:	1.383

Error Coefficients

Standard Error:	4320000
Relative Standard Error:	3.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.174403	5.0	967213.0	1.395225	Y
2	IC 410-70201/9	0.25	0.340567	5.0	1000624.0	1.36227	Y
3	IC 410-70201/8	1.25	1.716415	5.0	1019573.0	1.373132	Y
4	IC 410-70201/7	3.75	5.485114	5.0	1023130.0	1.462697	Y
5	ICIS 410-70201/2	7.5	10.417119	5.0	1023605.0	1.388949	Y
6	IC 410-70201/6	12.5	17.410992	5.0	1201188.0	1.392879	Y
7	IC 410-70201/5	20.0	27.489611	5.0	1103614.0	1.374481	Y
8	IC 410-70201/4	30.0	39.354909	5.0	1064563.0	1.31183	Y



Calibration / p-Terphenyl-d14

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

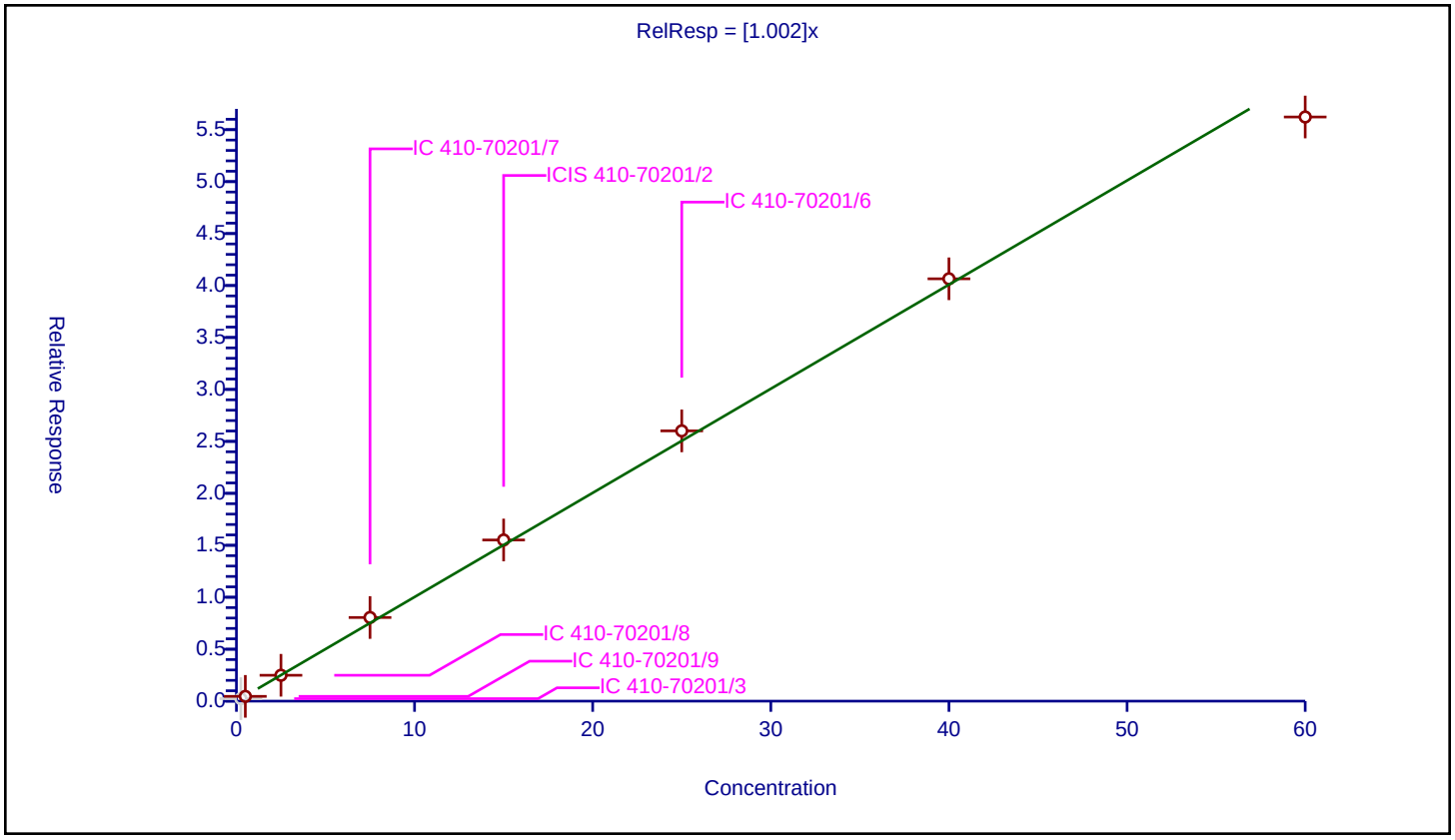
Curve Coefficients

Intercept:	0
Slope:	1.002

Error Coefficients

Standard Error:	6780000
Relative Standard Error:	5.6
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.25	0.23928	5.0	967213.0	0.957121	N
2	IC 410-70201/9	0.5	0.458939	5.0	1000624.0	0.917877	Y
3	IC 410-70201/8	2.5	2.489508	5.0	1019573.0	0.995803	Y
4	IC 410-70201/7	7.5	8.051225	5.0	1023130.0	1.073497	Y
5	ICIS 410-70201/2	15.0	15.509337	5.0	1023605.0	1.033956	Y
6	IC 410-70201/6	25.0	26.012581	5.0	1201188.0	1.040503	Y
7	IC 410-70201/5	40.0	40.647523	5.0	1103614.0	1.016188	Y
8	IC 410-70201/4	60.0	56.221177	5.0	1064563.0	0.93702	Y



Calibration / p-Dimethylamino azobenzene

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

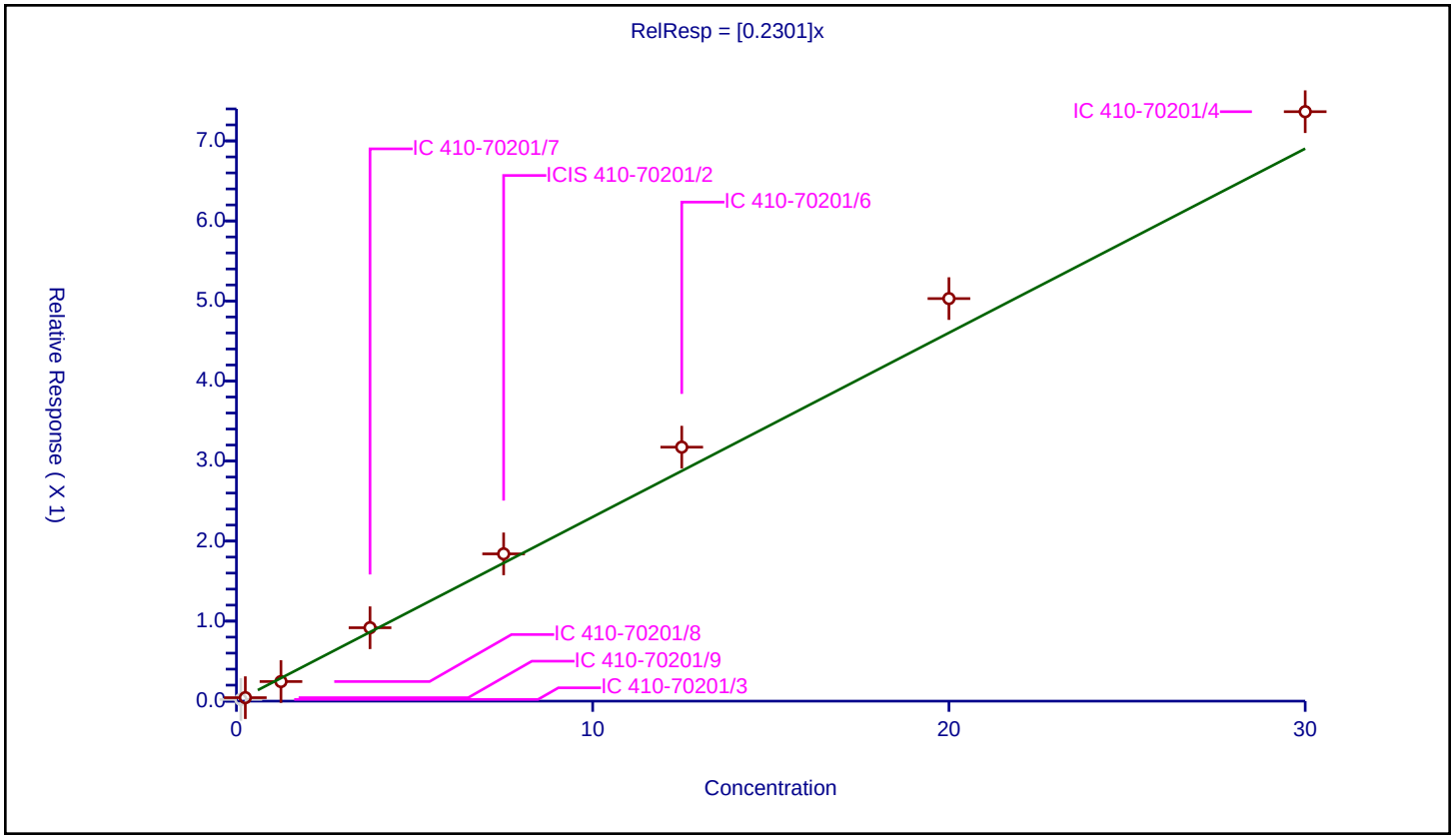
Curve Coefficients

Intercept:	0
Slope:	0.2301

Error Coefficients

Standard Error:	861000
Relative Standard Error:	13.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.021397	5.0	967213.0	0.171172	N
2	IC 410-70201/9	0.25	0.043548	5.0	1000624.0	0.174191	Y
3	IC 410-70201/8	1.25	0.244725	5.0	1019573.0	0.19578	Y
4	IC 410-70201/7	3.75	0.917337	5.0	1023130.0	0.244623	Y
5	ICIS 410-70201/2	7.5	1.840046	5.0	1023605.0	0.245339	Y
6	IC 410-70201/6	12.5	3.173637	5.0	1201188.0	0.253891	Y
7	IC 410-70201/5	20.0	5.029879	5.0	1103614.0	0.251494	Y
8	IC 410-70201/4	30.0	7.365111	5.0	1064563.0	0.245504	Y



Calibration / Chlorobenzilate

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

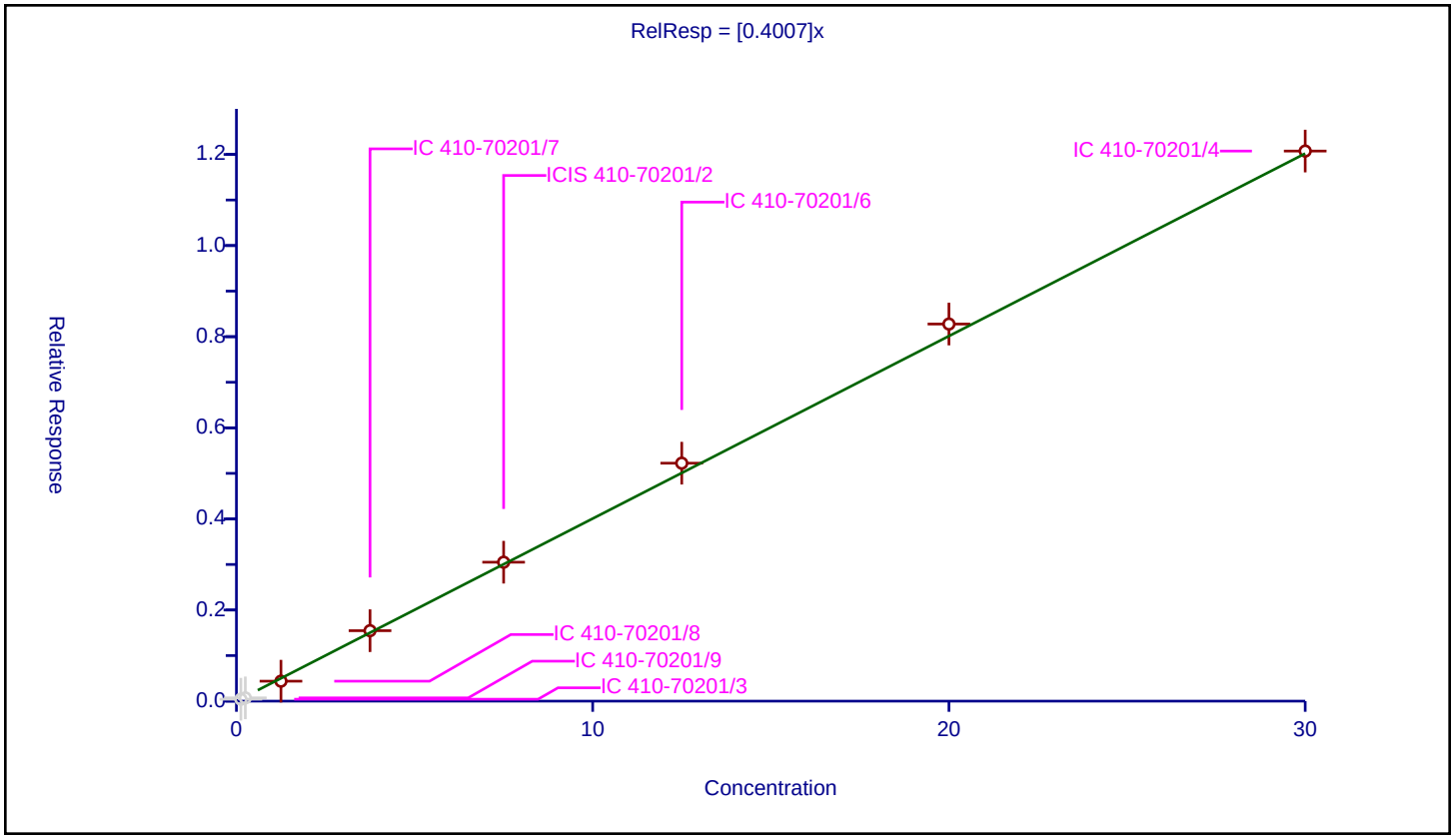
Curve Coefficients

Intercept:	0
Slope:	0.4007

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	6.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.042168	5.0	967213.0	0.33734	N
2	IC 410-70201/9	0.25	0.0715	5.0	1000624.0	0.286002	N
3	IC 410-70201/8	1.25	0.438419	5.0	1019573.0	0.350735	Y
4	IC 410-70201/7	3.75	1.546807	5.0	1023130.0	0.412482	Y
5	ICIS 410-70201/2	7.5	3.04978	5.0	1023605.0	0.406637	Y
6	IC 410-70201/6	12.5	5.223325	5.0	1201188.0	0.417866	Y
7	IC 410-70201/5	20.0	8.277527	5.0	1103614.0	0.413876	Y
8	IC 410-70201/4	30.0	12.074457	5.0	1064563.0	0.402482	Y



Calibration / 3,3'-Dimethylbenzidine

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

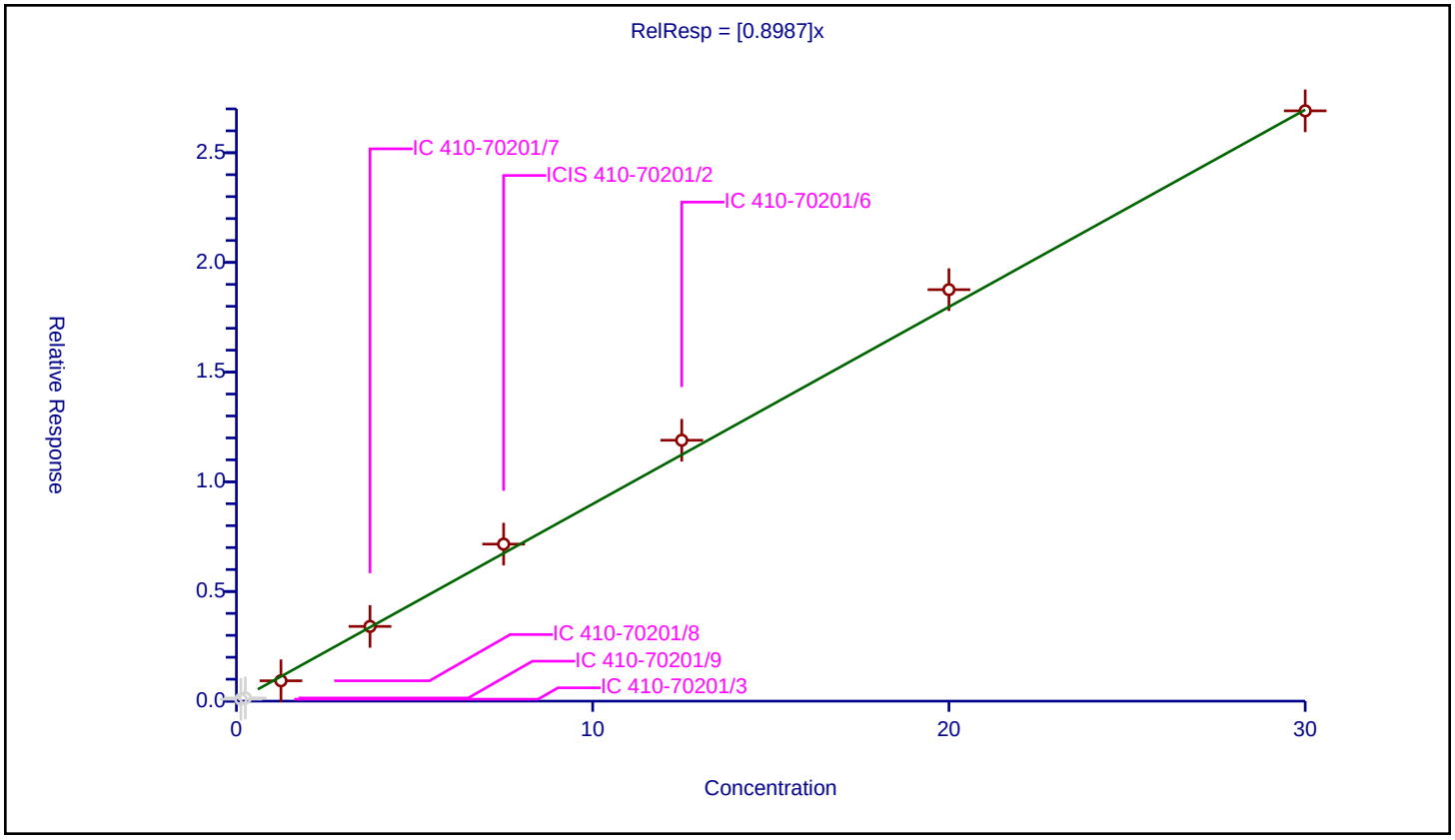
Curve Coefficients

Intercept:	0
Slope:	0.8987

Error Coefficients

Standard Error:	3490000
Relative Standard Error:	8.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.087887	5.0	967213.0	0.703092	N
2	IC 410-70201/9	0.25	0.143885	5.0	1000624.0	0.575541	N
3	IC 410-70201/8	1.25	0.928585	5.0	1019573.0	0.742868	Y
4	IC 410-70201/7	3.75	3.406312	5.0	1023130.0	0.90835	Y
5	ICIS 410-70201/2	7.5	7.15801	5.0	1023605.0	0.954401	Y
6	IC 410-70201/6	12.5	11.894254	5.0	1201188.0	0.95154	Y
7	IC 410-70201/5	20.0	18.759054	5.0	1103614.0	0.937953	Y
8	IC 410-70201/4	30.0	26.910934	5.0	1064563.0	0.897031	Y



Calibration / Butyl benzyl phthalate

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

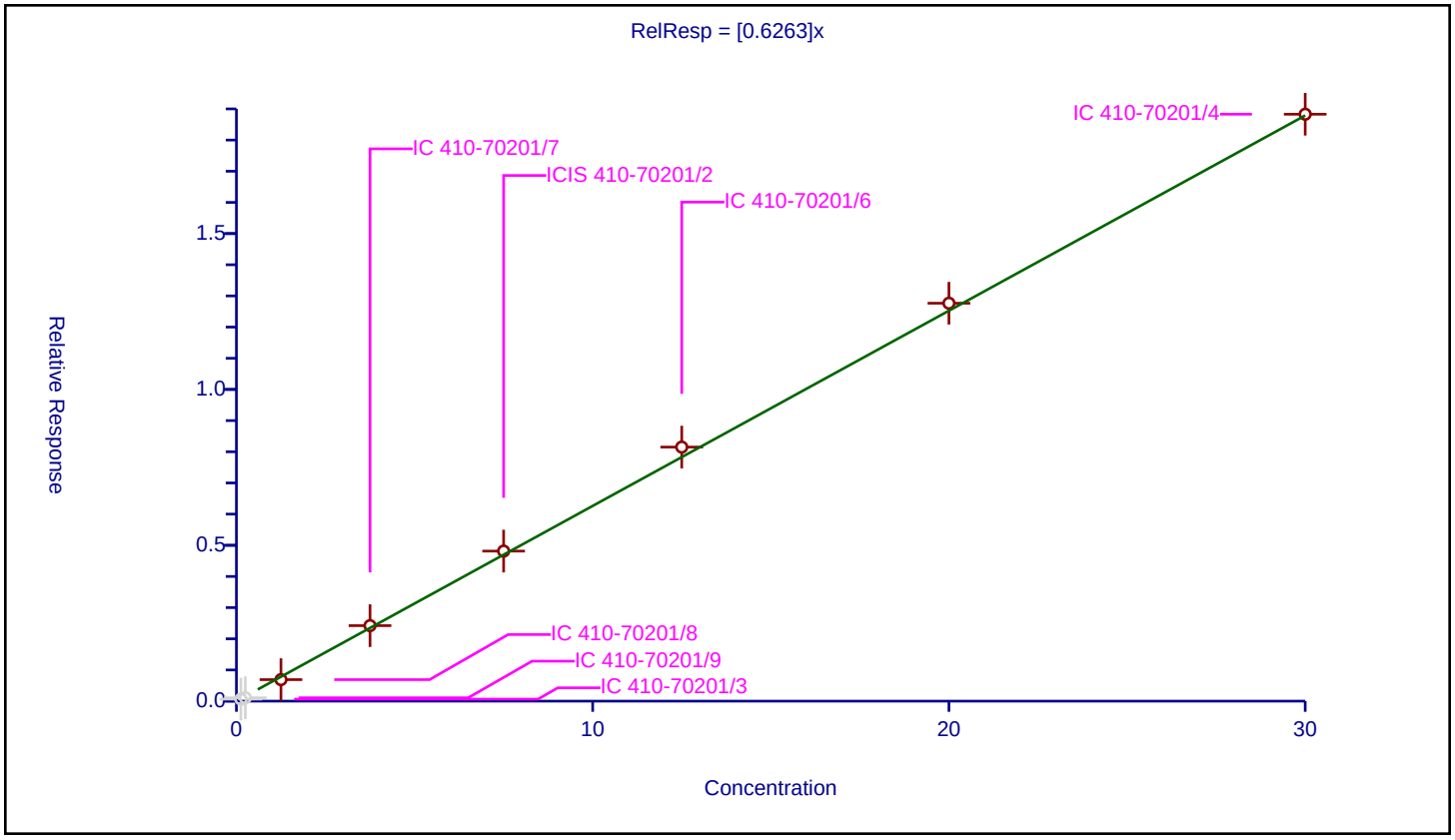
Curve Coefficients

Intercept:	0
Slope:	0.6263

Error Coefficients

Standard Error:	2410000
Relative Standard Error:	6.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.064634	5.0	967213.0	0.517073	N
2	IC 410-70201/9	0.25	0.108342	5.0	1000624.0	0.43337	N
3	IC 410-70201/8	1.25	0.68999	5.0	1019573.0	0.551992	Y
4	IC 410-70201/7	3.75	2.42219	5.0	1023130.0	0.645917	Y
5	ICIS 410-70201/2	7.5	4.813468	5.0	1023605.0	0.641796	Y
6	IC 410-70201/6	12.5	8.150602	5.0	1201188.0	0.652048	Y
7	IC 410-70201/5	20.0	12.766275	5.0	1103614.0	0.638314	Y
8	IC 410-70201/4	30.0	18.829294	5.0	1064563.0	0.627643	Y



Calibration / 2-Acetylaminofluorene

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

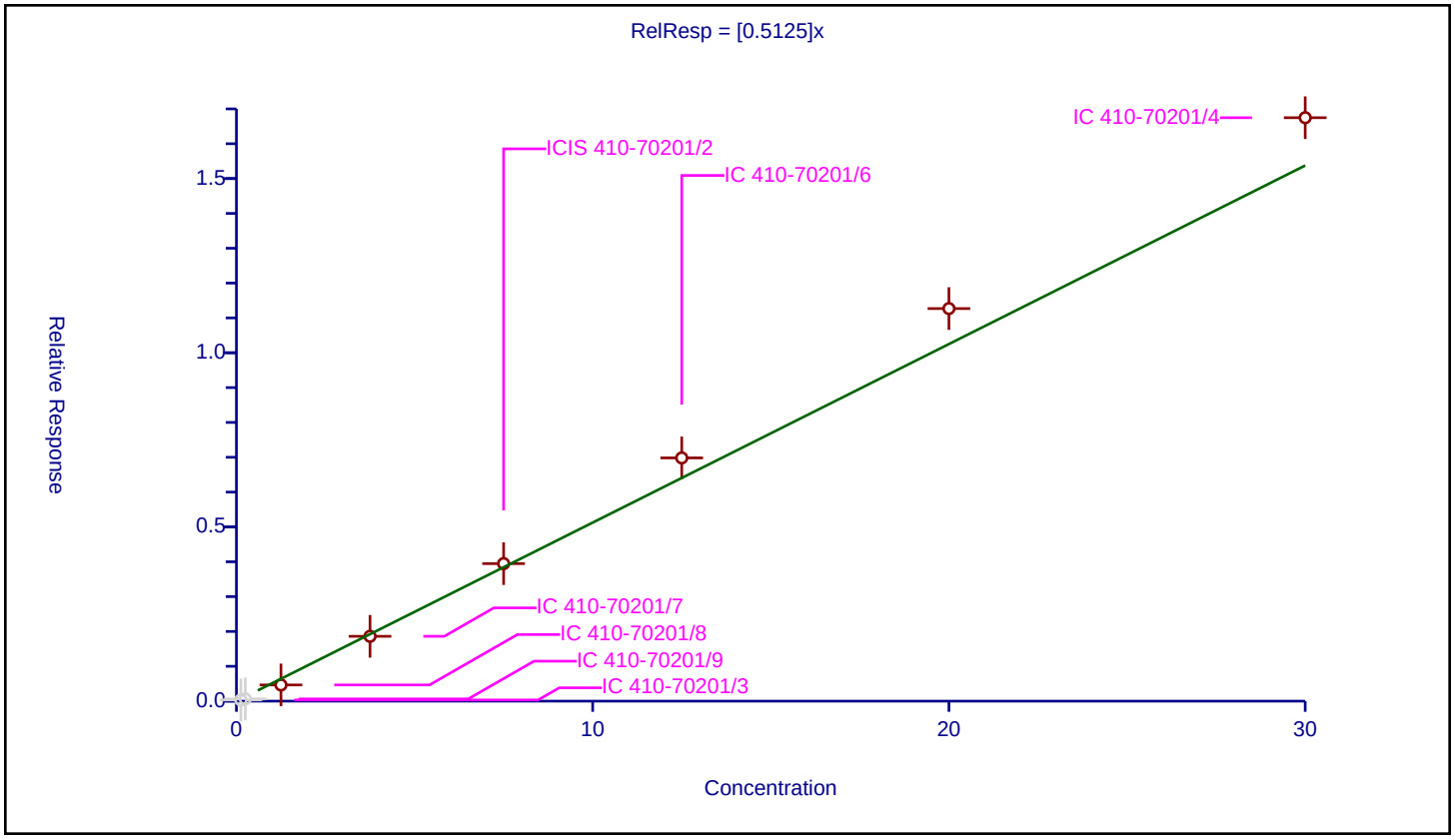
Curve Coefficients

Intercept:	0
Slope:	0.5125

Error Coefficients

Standard Error:	2120000
Relative Standard Error:	14.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.033777	5.0	967213.0	0.27022	N
2	IC 410-70201/9	0.25	0.063865	5.0	1000624.0	0.255461	N
3	IC 410-70201/8	1.25	0.46517	5.0	1019573.0	0.372136	Y
4	IC 410-70201/7	3.75	1.861039	5.0	1023130.0	0.496277	Y
5	ICIS 410-70201/2	7.5	3.94726	5.0	1023605.0	0.526301	Y
6	IC 410-70201/6	12.5	6.981834	5.0	1201188.0	0.558547	Y
7	IC 410-70201/5	20.0	11.268229	5.0	1103614.0	0.563411	Y
8	IC 410-70201/4	30.0	16.746961	5.0	1064563.0	0.558232	Y



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

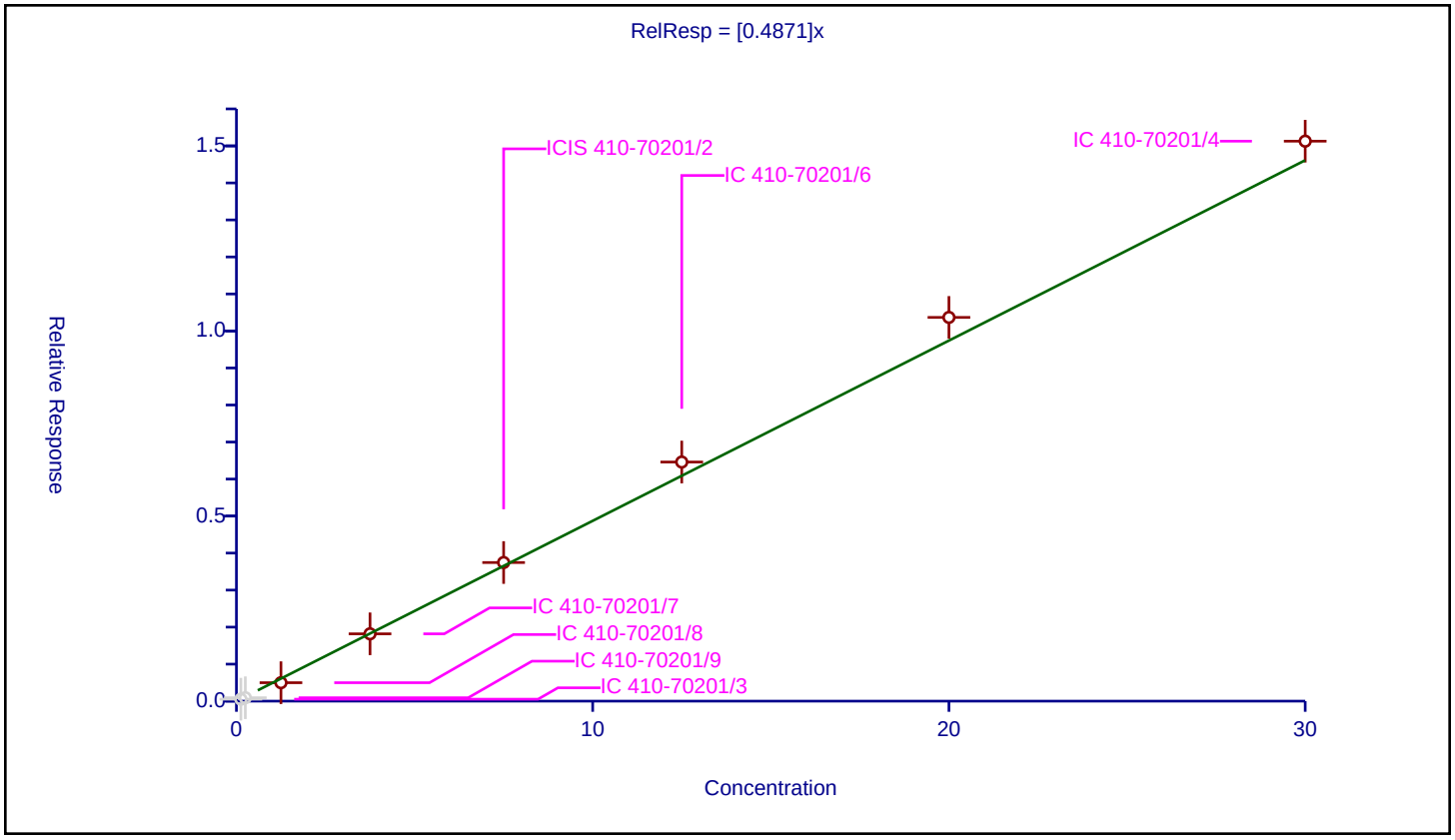
Curve Coefficients

Intercept:	0
Slope:	0.4871

Error Coefficients

Standard Error:	1940000
Relative Standard Error:	9.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.053091	5.0	967213.0	0.424725	N
2	IC 410-70201/9	0.25	0.092043	5.0	1000624.0	0.36817	N
3	IC 410-70201/8	1.25	0.498513	5.0	1019573.0	0.39881	Y
4	IC 410-70201/7	3.75	1.818386	5.0	1023130.0	0.484903	Y
5	ICIS 410-70201/2	7.5	3.744584	5.0	1023605.0	0.499278	Y
6	IC 410-70201/6	12.5	6.459617	5.0	1201188.0	0.516769	Y
7	IC 410-70201/5	20.0	10.366573	5.0	1103614.0	0.518329	Y
8	IC 410-70201/4	30.0	15.128193	5.0	1064563.0	0.504273	Y



Calibration / Benzo[a]anthracene

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

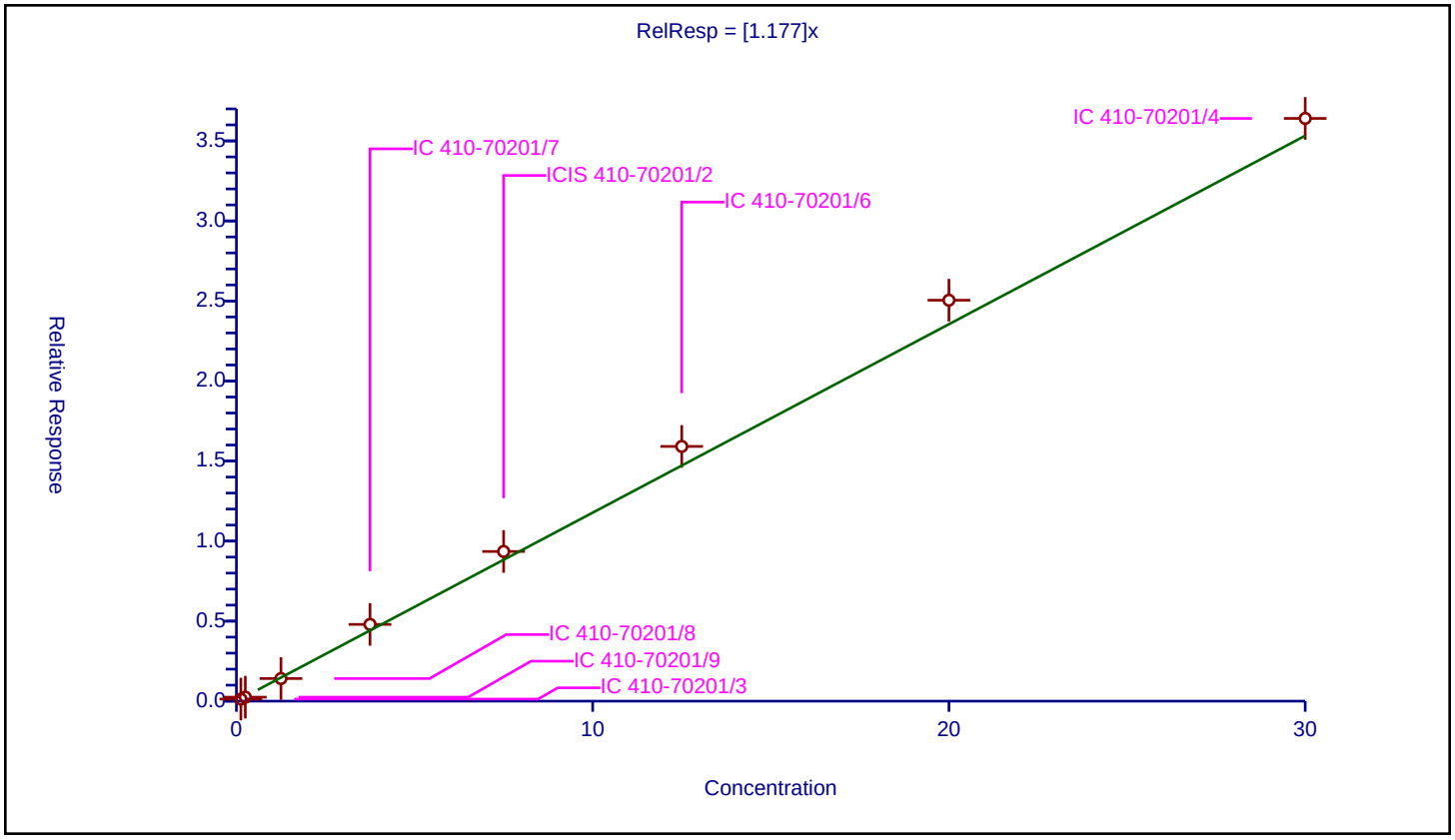
Curve Coefficients

Intercept:	0
Slope:	1.177

Error Coefficients

Standard Error:	3960000
Relative Standard Error:	9.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.128974	5.0	967213.0	1.031789	Y
2	IC 410-70201/9	0.25	0.248525	5.0	1000624.0	0.9941	Y
3	IC 410-70201/8	1.25	1.411449	5.0	1019573.0	1.129159	Y
4	IC 410-70201/7	3.75	4.794914	5.0	1023130.0	1.278644	Y
5	ICIS 410-70201/2	7.5	9.351112	5.0	1023605.0	1.246815	Y
6	IC 410-70201/6	12.5	15.913183	5.0	1201188.0	1.273055	Y
7	IC 410-70201/5	20.0	25.048201	5.0	1103614.0	1.25241	Y
8	IC 410-70201/4	30.0	36.404976	5.0	1064563.0	1.213499	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

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

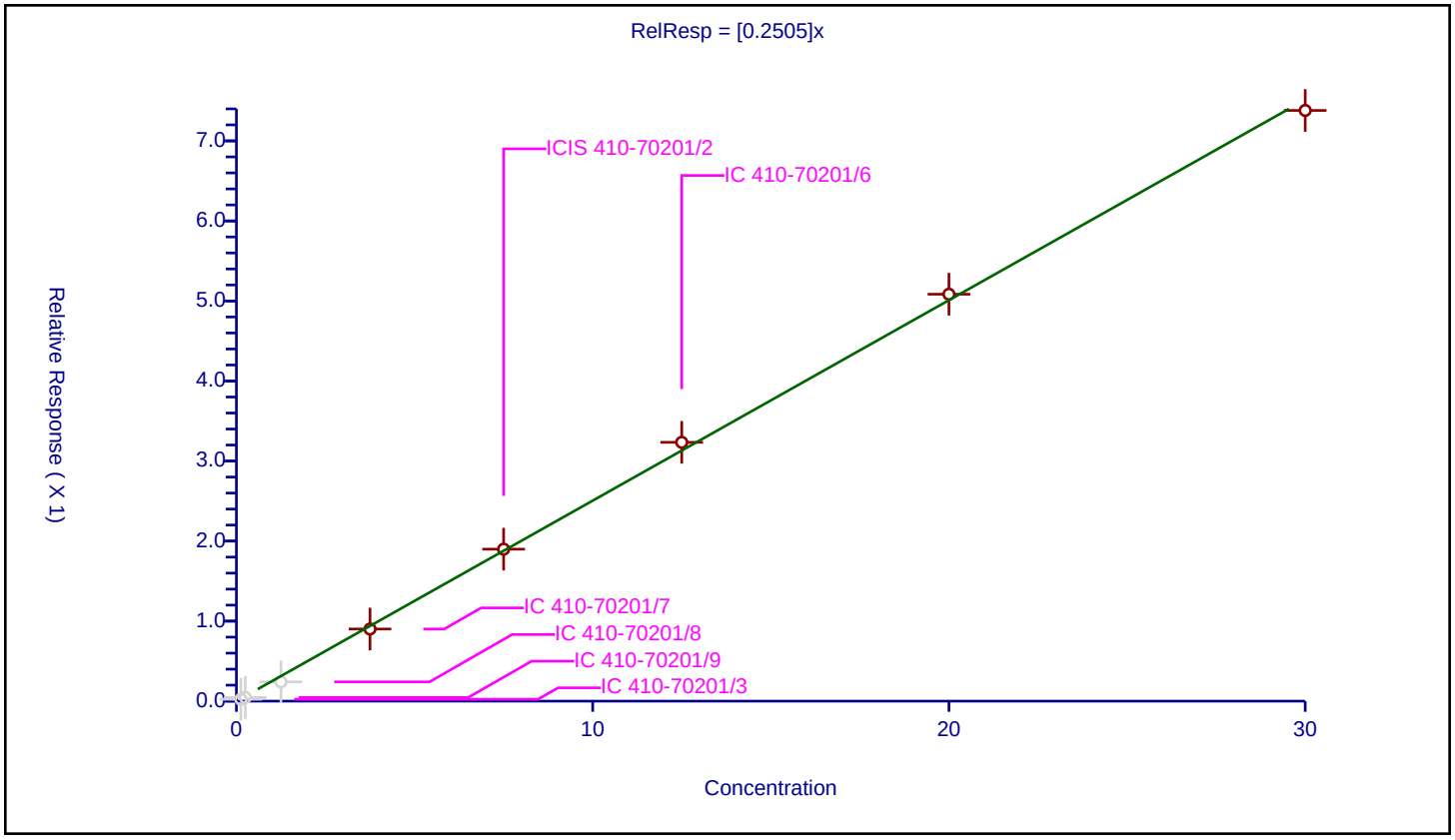
Curve Coefficients

Intercept:	0
Slope:	0.2505

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	2.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.023485	5.0	967213.0	0.18788	N
2	IC 410-70201/9	0.25	0.045736	5.0	1000624.0	0.182946	N
3	IC 410-70201/8	1.25	0.240655	5.0	1019573.0	0.192524	N
4	IC 410-70201/7	3.75	0.901293	5.0	1023130.0	0.240345	Y
5	ICIS 410-70201/2	7.5	1.898882	5.0	1023605.0	0.253184	Y
6	IC 410-70201/6	12.5	3.233928	5.0	1201188.0	0.258714	Y
7	IC 410-70201/5	20.0	5.084445	5.0	1103614.0	0.254222	Y
8	IC 410-70201/4	30.0	7.380263	5.0	1064563.0	0.246009	Y



Calibration / Chrysene

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

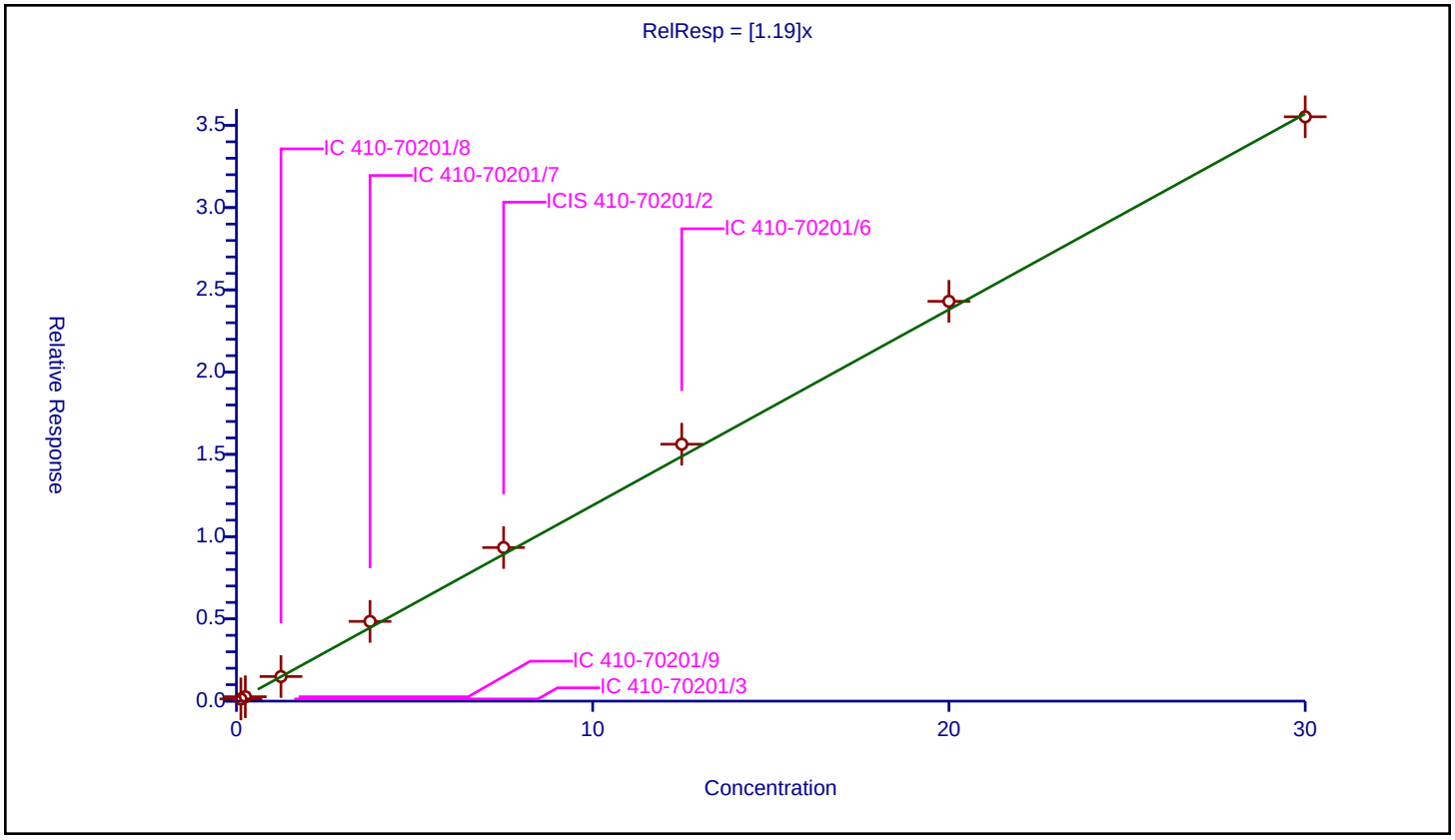
Curve Coefficients

Intercept:	0
Slope:	1.19

Error Coefficients

Standard Error:	3870000
Relative Standard Error:	6.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.133611	5.0	967213.0	1.068886	Y
2	IC 410-70201/9	0.25	0.267443	5.0	1000624.0	1.069772	Y
3	IC 410-70201/8	1.25	1.494395	5.0	1019573.0	1.195516	Y
4	IC 410-70201/7	3.75	4.848612	5.0	1023130.0	1.292963	Y
5	ICIS 410-70201/2	7.5	9.33554	5.0	1023605.0	1.244739	Y
6	IC 410-70201/6	12.5	15.61952	5.0	1201188.0	1.249562	Y
7	IC 410-70201/5	20.0	24.303837	5.0	1103614.0	1.215192	Y
8	IC 410-70201/4	30.0	35.520378	5.0	1064563.0	1.184013	Y



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

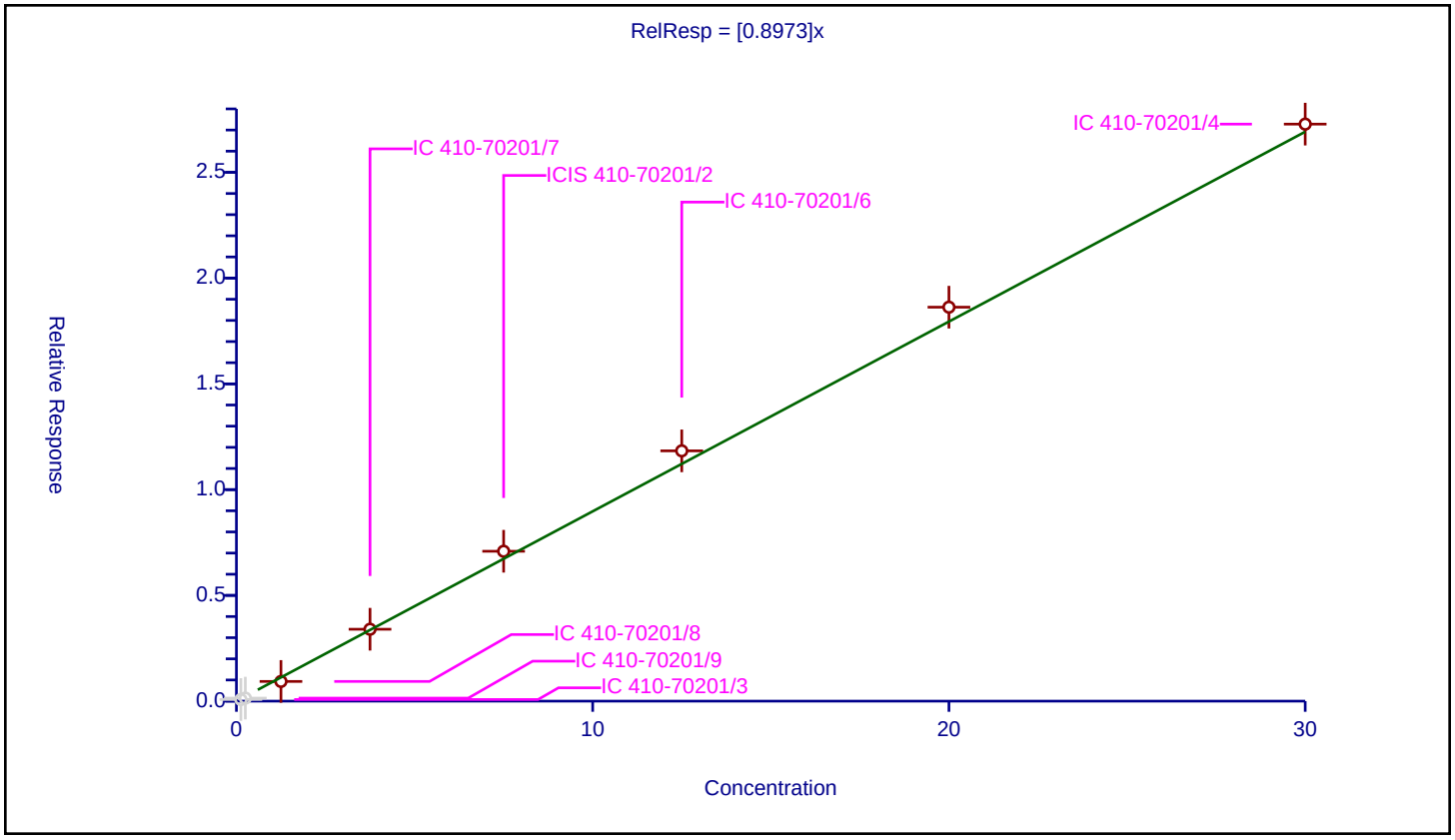
Curve Coefficients

Intercept:	0
Slope:	0.8973

Error Coefficients

Standard Error:	3500000
Relative Standard Error:	8.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.077568	5.0	967213.0	0.620546	N
2	IC 410-70201/9	0.25	0.143091	5.0	1000624.0	0.572363	N
3	IC 410-70201/8	1.25	0.93141	5.0	1019573.0	0.745128	Y
4	IC 410-70201/7	3.75	3.39905	5.0	1023130.0	0.906413	Y
5	ICIS 410-70201/2	7.5	7.085639	5.0	1023605.0	0.944752	Y
6	IC 410-70201/6	12.5	11.833676	5.0	1201188.0	0.946694	Y
7	IC 410-70201/5	20.0	18.625049	5.0	1103614.0	0.931252	Y
8	IC 410-70201/4	30.0	27.279311	5.0	1064563.0	0.90931	Y



Calibration / 6-Methylchrysene

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

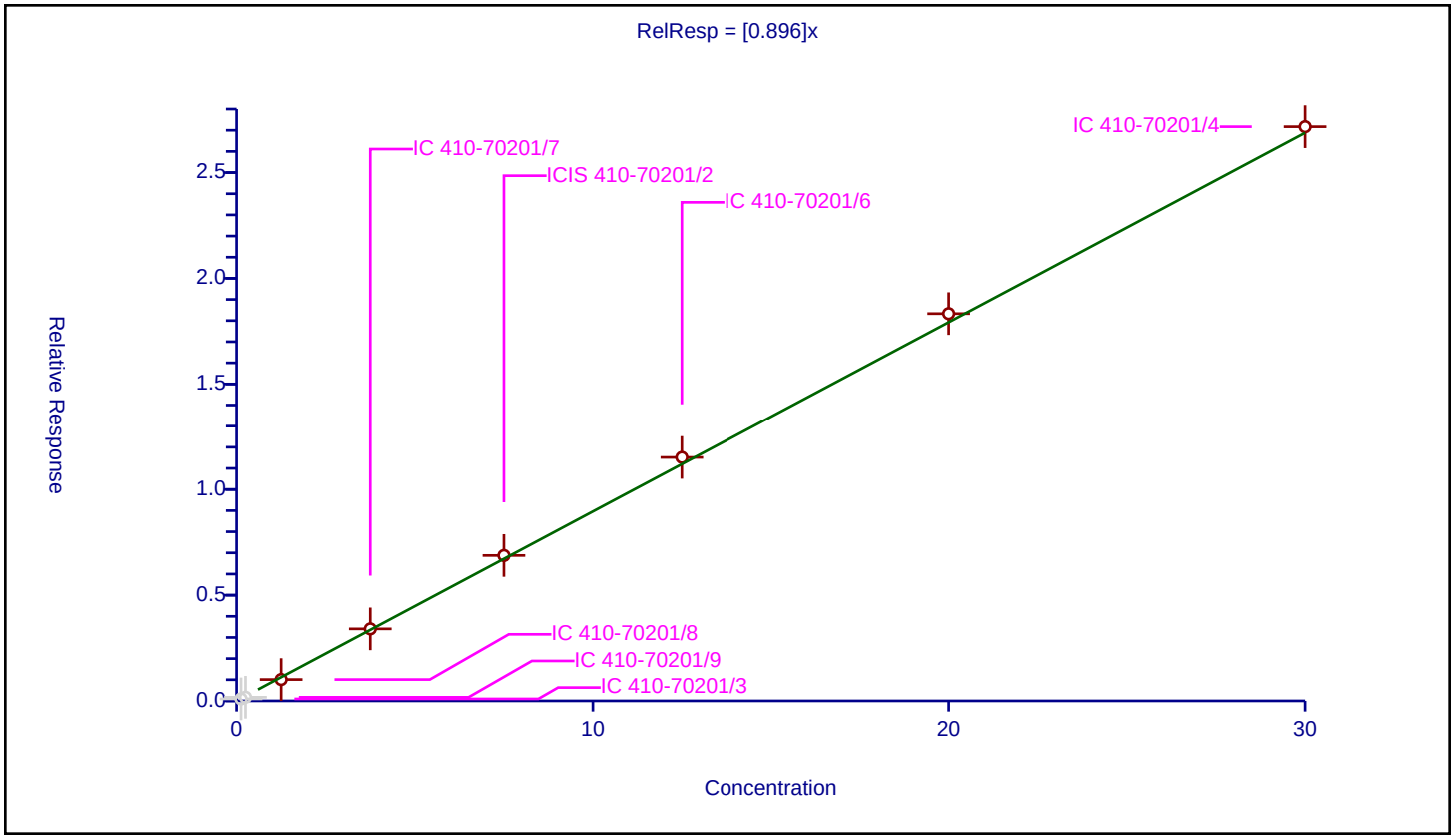
Curve Coefficients

Intercept:	0
Slope:	0.896

Error Coefficients

Standard Error:	3460000
Relative Standard Error:	4.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.094798	5.0	967213.0	0.758385	N
2	IC 410-70201/9	0.25	0.172098	5.0	1000624.0	0.68839	N
3	IC 410-70201/8	1.25	1.008849	5.0	1019573.0	0.807079	Y
4	IC 410-70201/7	3.75	3.406136	5.0	1023130.0	0.908303	Y
5	ICIS 410-70201/2	7.5	6.877809	5.0	1023605.0	0.917041	Y
6	IC 410-70201/6	12.5	11.518892	5.0	1201188.0	0.921511	Y
7	IC 410-70201/5	20.0	18.329479	5.0	1103614.0	0.916474	Y
8	IC 410-70201/4	30.0	27.169515	5.0	1064563.0	0.90565	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

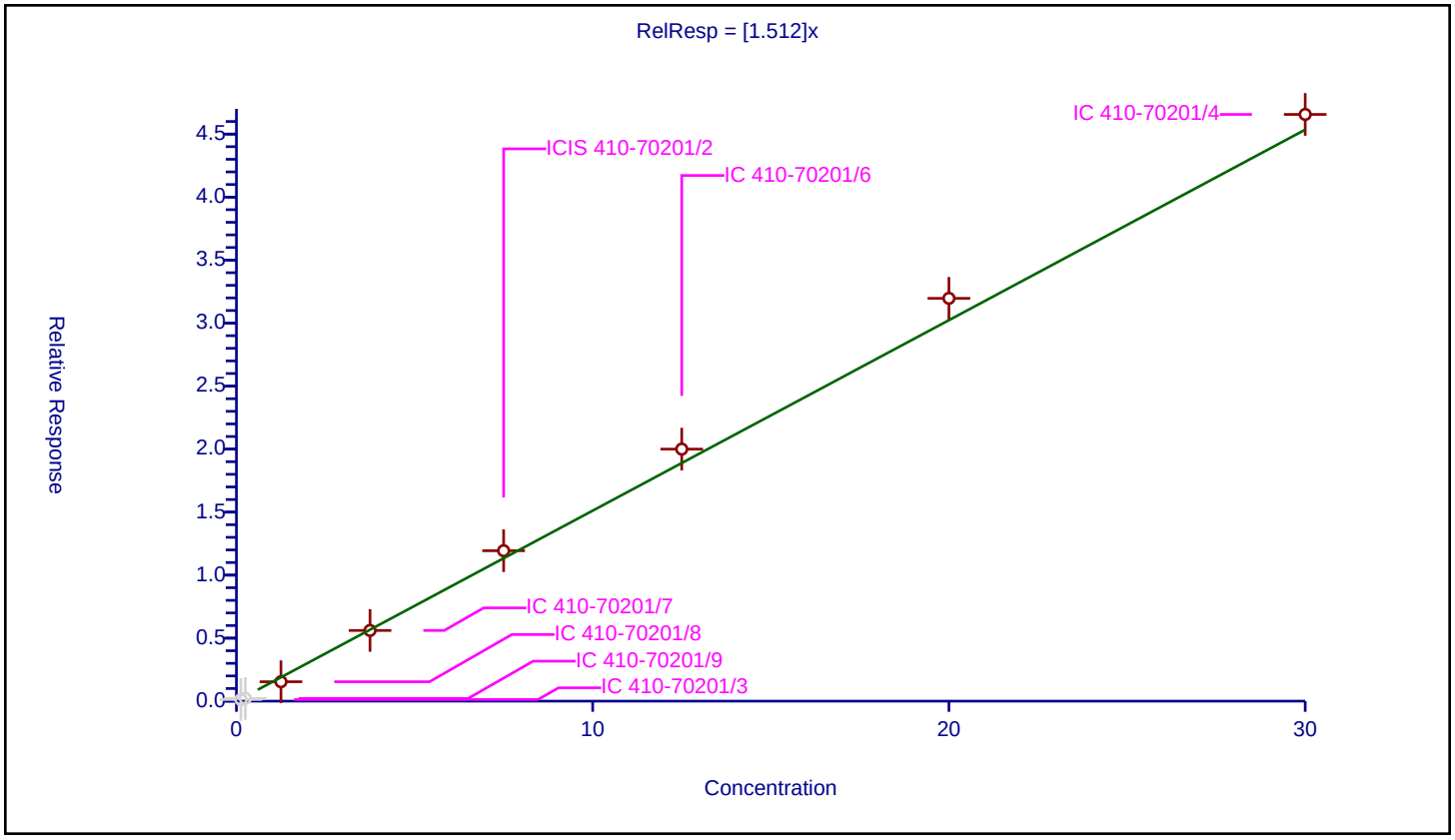
Curve Coefficients

Intercept:	0
Slope:	1.512

Error Coefficients

Standard Error:	6410000
Relative Standard Error:	9.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.127098	5.0	940492.0	1.016787	N
2	IC 410-70201/9	0.25	0.217234	5.0	976642.0	0.868937	N
3	IC 410-70201/8	1.25	1.540173	5.0	1007059.0	1.232138	Y
4	IC 410-70201/7	3.75	5.608181	5.0	1070997.0	1.495515	Y
5	ICIS 410-70201/2	7.5	11.937626	5.0	1063296.0	1.591683	Y
6	IC 410-70201/6	12.5	20.001241	5.0	1261246.0	1.600099	Y
7	IC 410-70201/5	20.0	31.966193	5.0	1168029.0	1.59831	Y
8	IC 410-70201/4	30.0	46.559925	5.0	1156363.0	1.551998	Y



Calibration / Benzo[b]fluoranthene

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

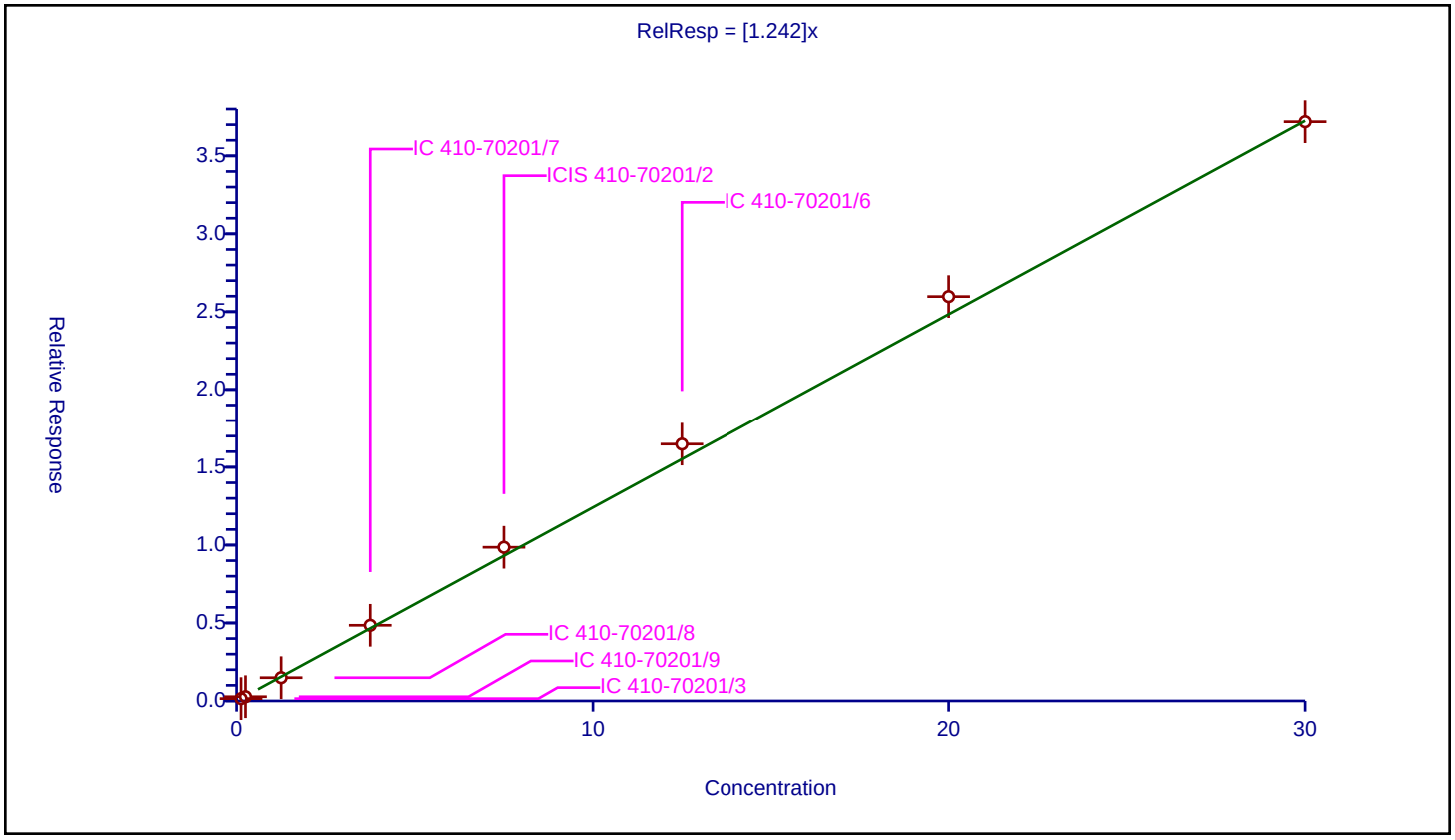
Curve Coefficients

Intercept:	0
Slope:	1.242

Error Coefficients

Standard Error:	4370000
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 410-70201/3	0.125	0.148885	5.0	940492.0	1.191079	Y
2	IC 410-70201/9	0.25	0.271486	5.0	976642.0	1.085946	Y
3	IC 410-70201/8	1.25	1.489277	5.0	1007059.0	1.191422	Y
4	IC 410-70201/7	3.75	4.850494	5.0	1070997.0	1.293465	Y
5	ICIS 410-70201/2	7.5	9.857975	5.0	1063296.0	1.314397	Y
6	IC 410-70201/6	12.5	16.487319	5.0	1261246.0	1.318986	Y
7	IC 410-70201/5	20.0	25.975181	5.0	1168029.0	1.298759	Y
8	IC 410-70201/4	30.0	37.190221	5.0	1156363.0	1.239674	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

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

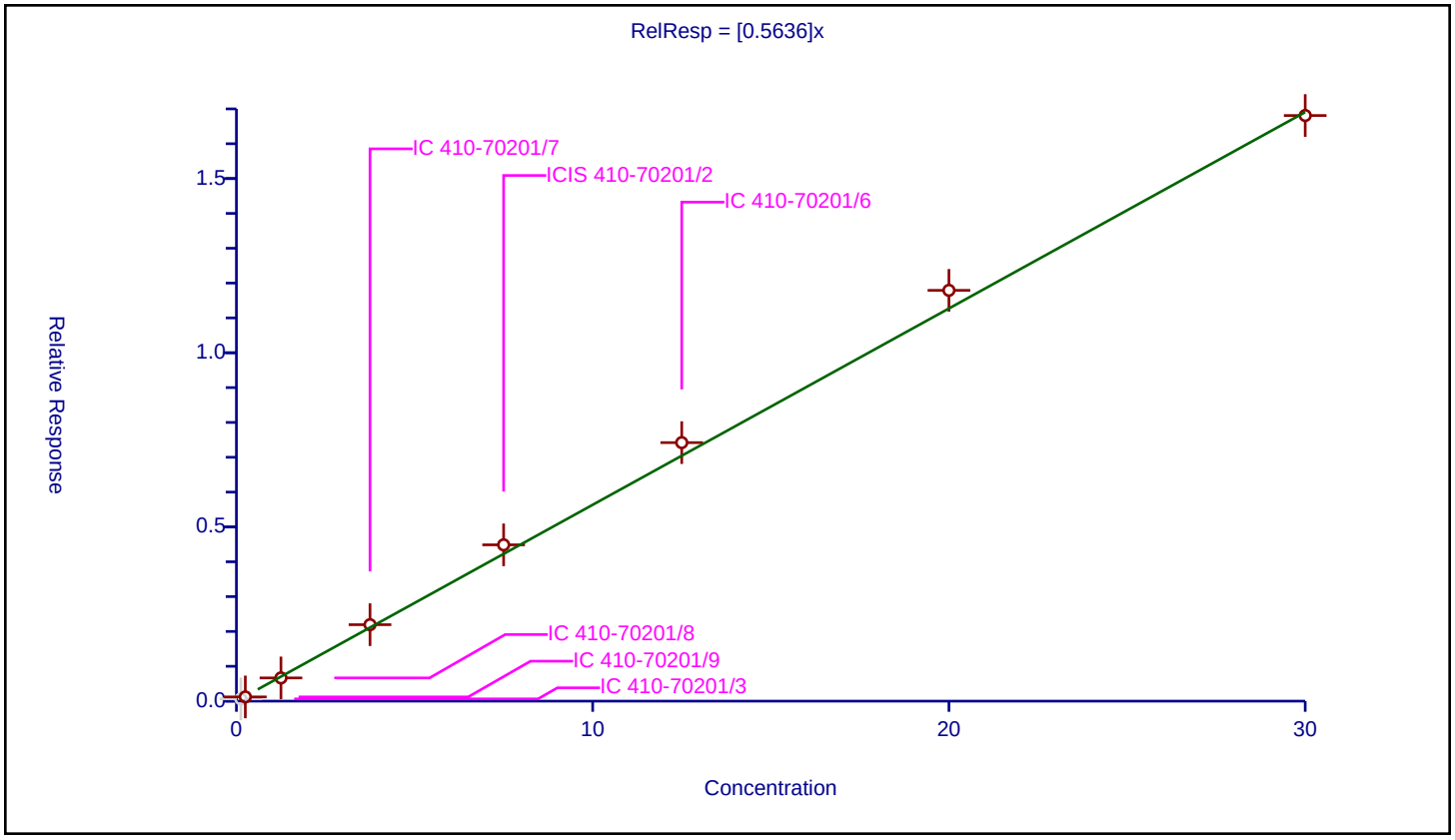
Curve Coefficients

Intercept:	0
Slope:	0.5636

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	7.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.064695	5.0	940492.0	0.517559	N
2	IC 410-70201/9	0.25	0.121252	5.0	976642.0	0.485009	Y
3	IC 410-70201/8	1.25	0.666396	5.0	1007059.0	0.533117	Y
4	IC 410-70201/7	3.75	2.194236	5.0	1070997.0	0.58513	Y
5	ICIS 410-70201/2	7.5	4.486244	5.0	1063296.0	0.598166	Y
6	IC 410-70201/6	12.5	7.420697	5.0	1261246.0	0.593656	Y
7	IC 410-70201/5	20.0	11.791672	5.0	1168029.0	0.589584	Y
8	IC 410-70201/4	30.0	16.809696	5.0	1156363.0	0.560323	Y



Calibration / Benzo[k]fluoranthene

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

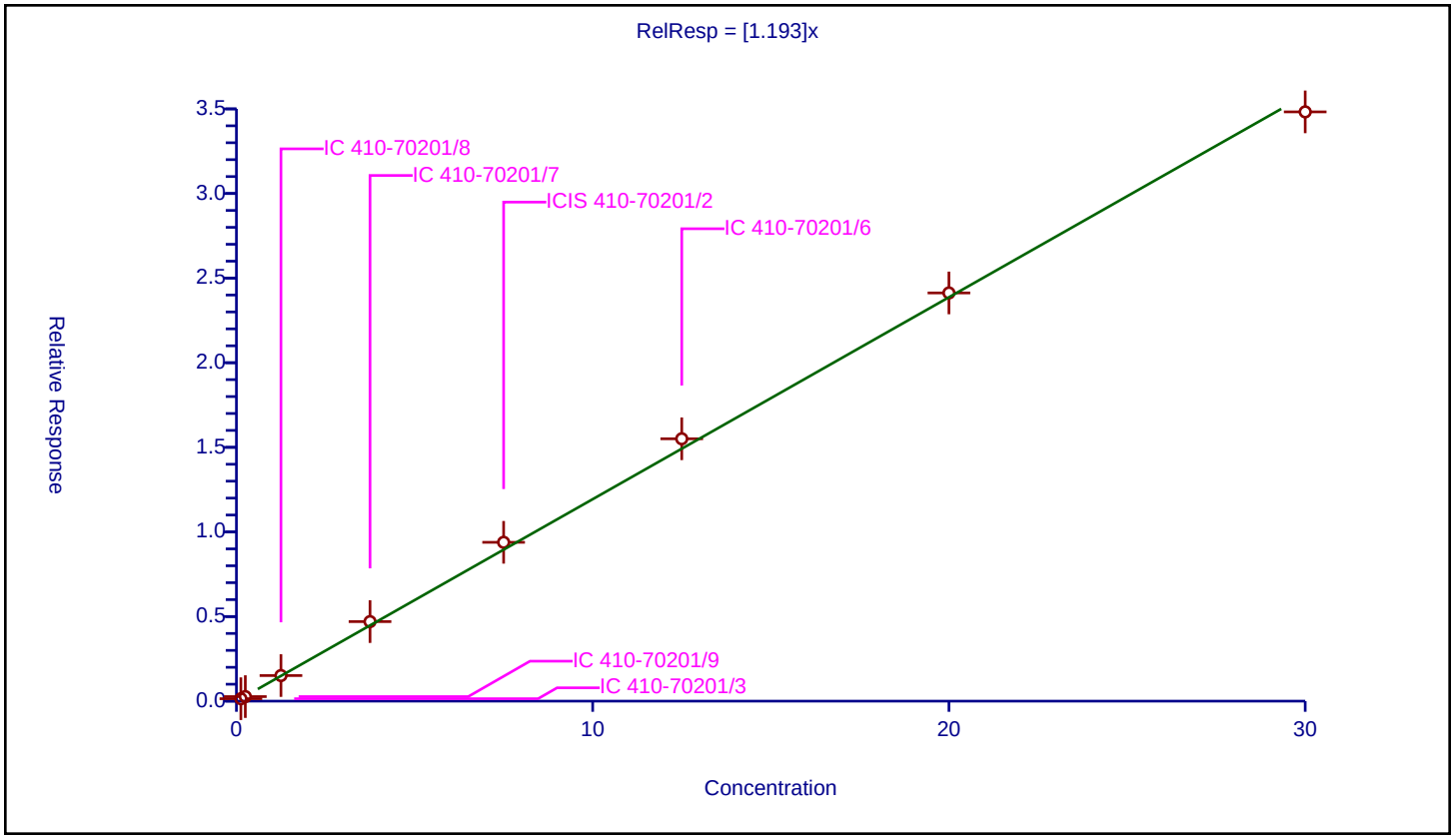
Curve Coefficients

Intercept:	0
Slope:	1.193

Error Coefficients

Standard Error:	4090000
Relative Standard Error:	5.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.144026	5.0	940492.0	1.152205	Y
2	IC 410-70201/9	0.25	0.268445	5.0	976642.0	1.073781	Y
3	IC 410-70201/8	1.25	1.511485	5.0	1007059.0	1.209188	Y
4	IC 410-70201/7	3.75	4.700541	5.0	1070997.0	1.253478	Y
5	ICIS 410-70201/2	7.5	9.386709	5.0	1063296.0	1.251561	Y
6	IC 410-70201/6	12.5	15.504037	5.0	1261246.0	1.240323	Y
7	IC 410-70201/5	20.0	24.123635	5.0	1168029.0	1.206182	Y
8	IC 410-70201/4	30.0	34.823689	5.0	1156363.0	1.16079	Y



Calibration / Benzo[a]pyrene

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

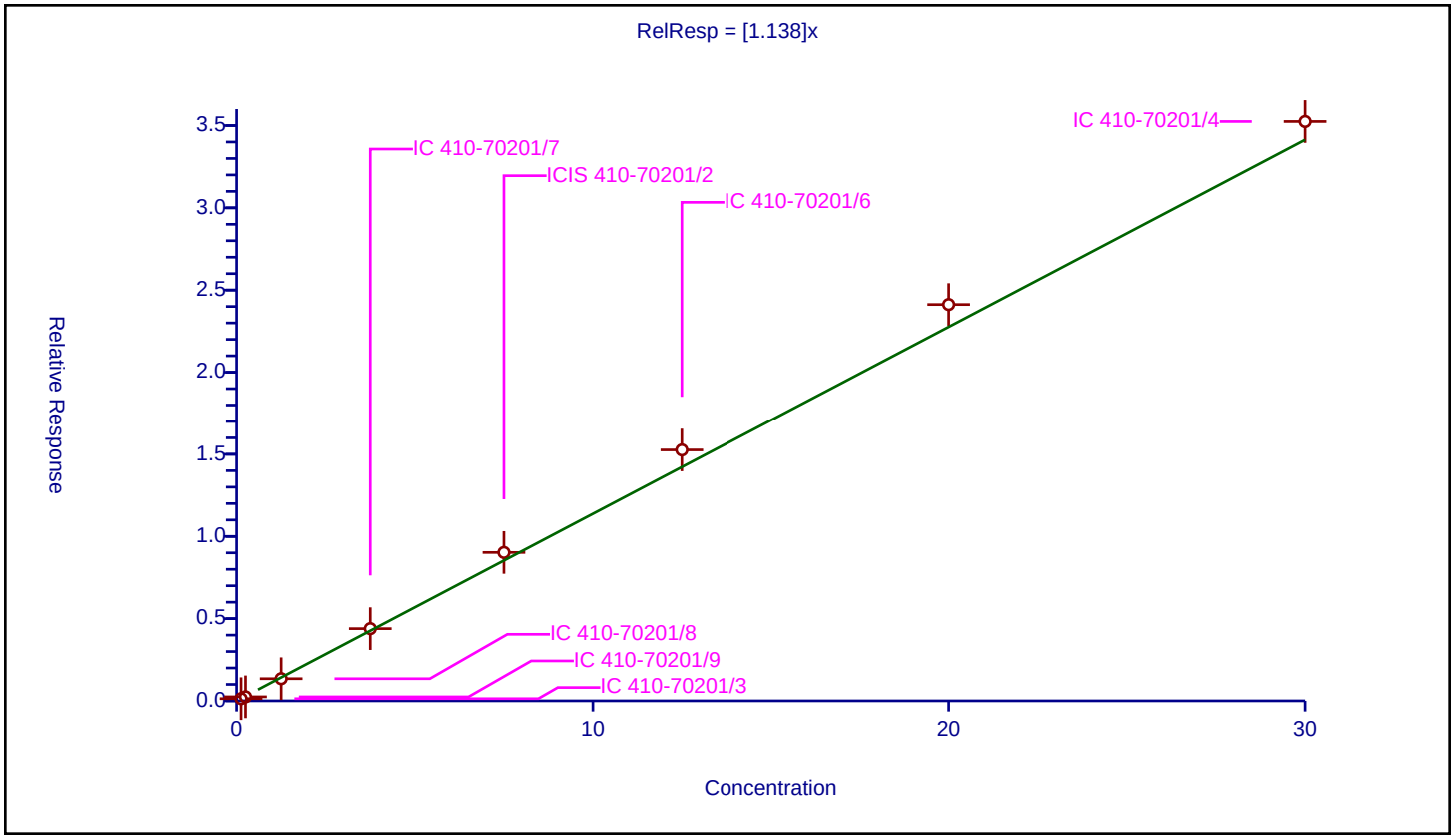
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Standard Error:	4100000
Relative Standard Error:	7.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.133632	5.0	940492.0	1.069057	Y
2	IC 410-70201/9	0.25	0.244665	5.0	976642.0	0.97866	Y
3	IC 410-70201/8	1.25	1.347677	5.0	1007059.0	1.078141	Y
4	IC 410-70201/7	3.75	4.393518	5.0	1070997.0	1.171605	Y
5	ICIS 410-70201/2	7.5	9.025967	5.0	1063296.0	1.203462	Y
6	IC 410-70201/6	12.5	15.264631	5.0	1261246.0	1.22117	Y
7	IC 410-70201/5	20.0	24.119482	5.0	1168029.0	1.205974	Y
8	IC 410-70201/4	30.0	35.24718	5.0	1156363.0	1.174906	Y



Calibration / 3-Methylcholanthrene

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

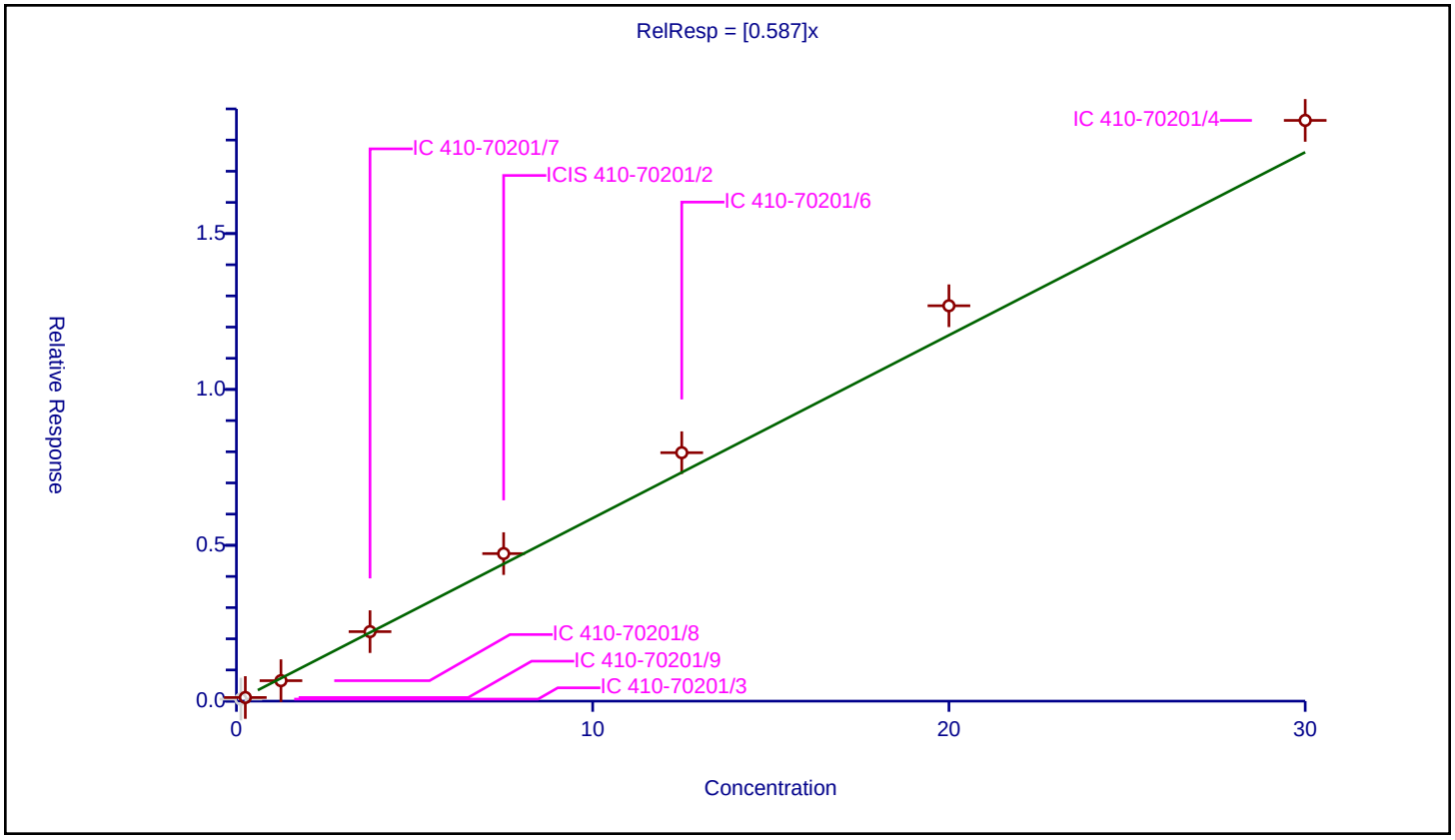
Curve Coefficients

Intercept:	0
Slope:	0.587

Error Coefficients

Standard Error:	2330000
Relative Standard Error:	11.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.065609	5.0	940492.0	0.524874	N
2	IC 410-70201/9	0.25	0.116307	5.0	976642.0	0.465227	Y
3	IC 410-70201/8	1.25	0.656466	5.0	1007059.0	0.525173	Y
4	IC 410-70201/7	3.75	2.229497	5.0	1070997.0	0.594533	Y
5	ICIS 410-70201/2	7.5	4.733489	5.0	1063296.0	0.631132	Y
6	IC 410-70201/6	12.5	7.970991	5.0	1261246.0	0.637679	Y
7	IC 410-70201/5	20.0	12.684505	5.0	1168029.0	0.634225	Y
8	IC 410-70201/4	30.0	18.630646	5.0	1156363.0	0.621022	Y



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

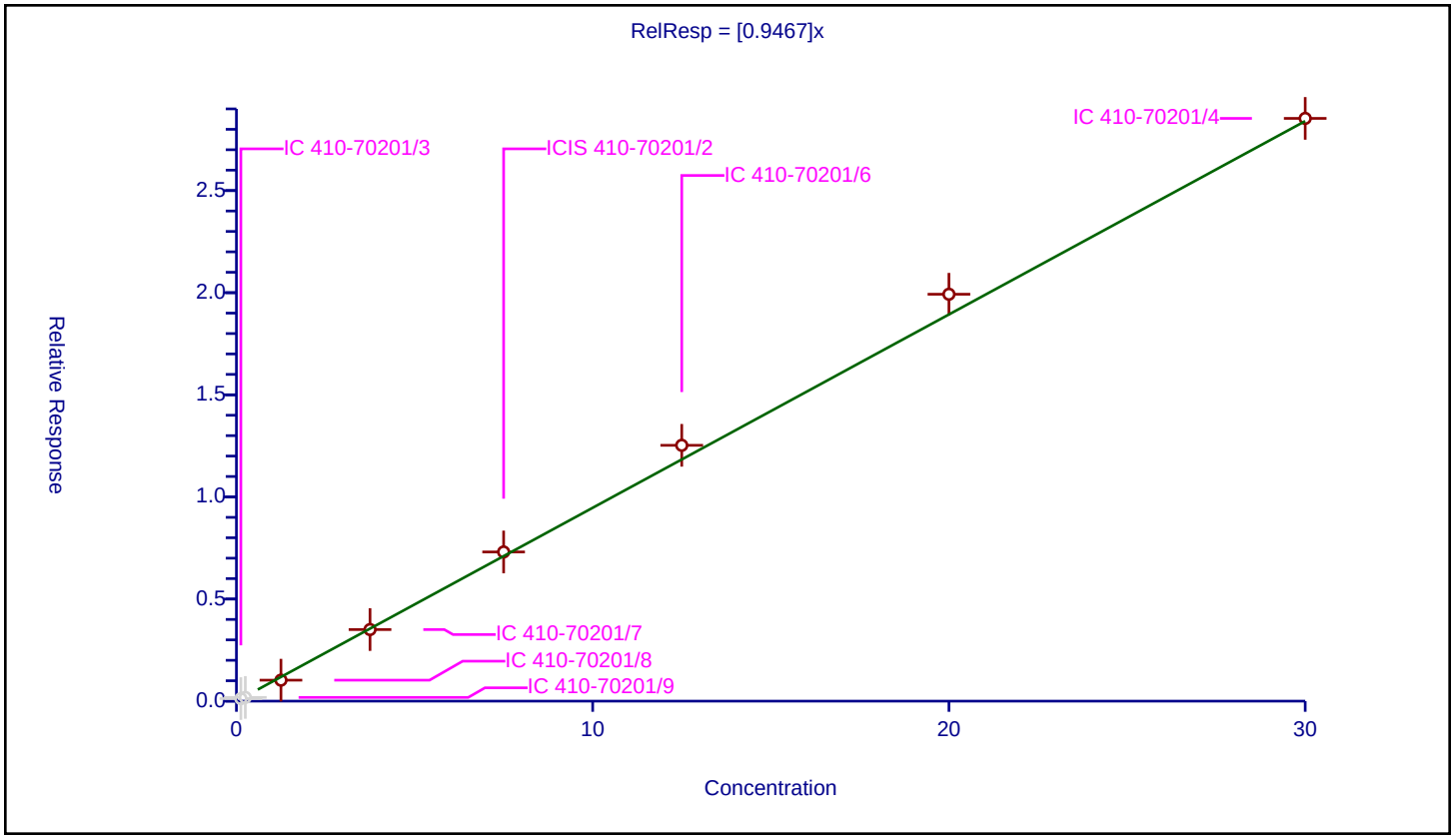
Curve Coefficients

Intercept:	0
Slope:	0.9467

Error Coefficients

Standard Error:	3960000
Relative Standard Error:	7.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.1246	5.0	940492.0	0.996797	N
2	IC 410-70201/9	0.25	0.182539	5.0	976642.0	0.730155	N
3	IC 410-70201/8	1.25	1.027576	5.0	1007059.0	0.822061	Y
4	IC 410-70201/7	3.75	3.505383	5.0	1070997.0	0.934769	Y
5	ICIS 410-70201/2	7.5	7.305181	5.0	1063296.0	0.974024	Y
6	IC 410-70201/6	12.5	12.526882	5.0	1261246.0	1.002151	Y
7	IC 410-70201/5	20.0	19.923936	5.0	1168029.0	0.996197	Y
8	IC 410-70201/4	30.0	28.534323	5.0	1156363.0	0.951144	Y



Calibration / Dibenz[a,j]acridine

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

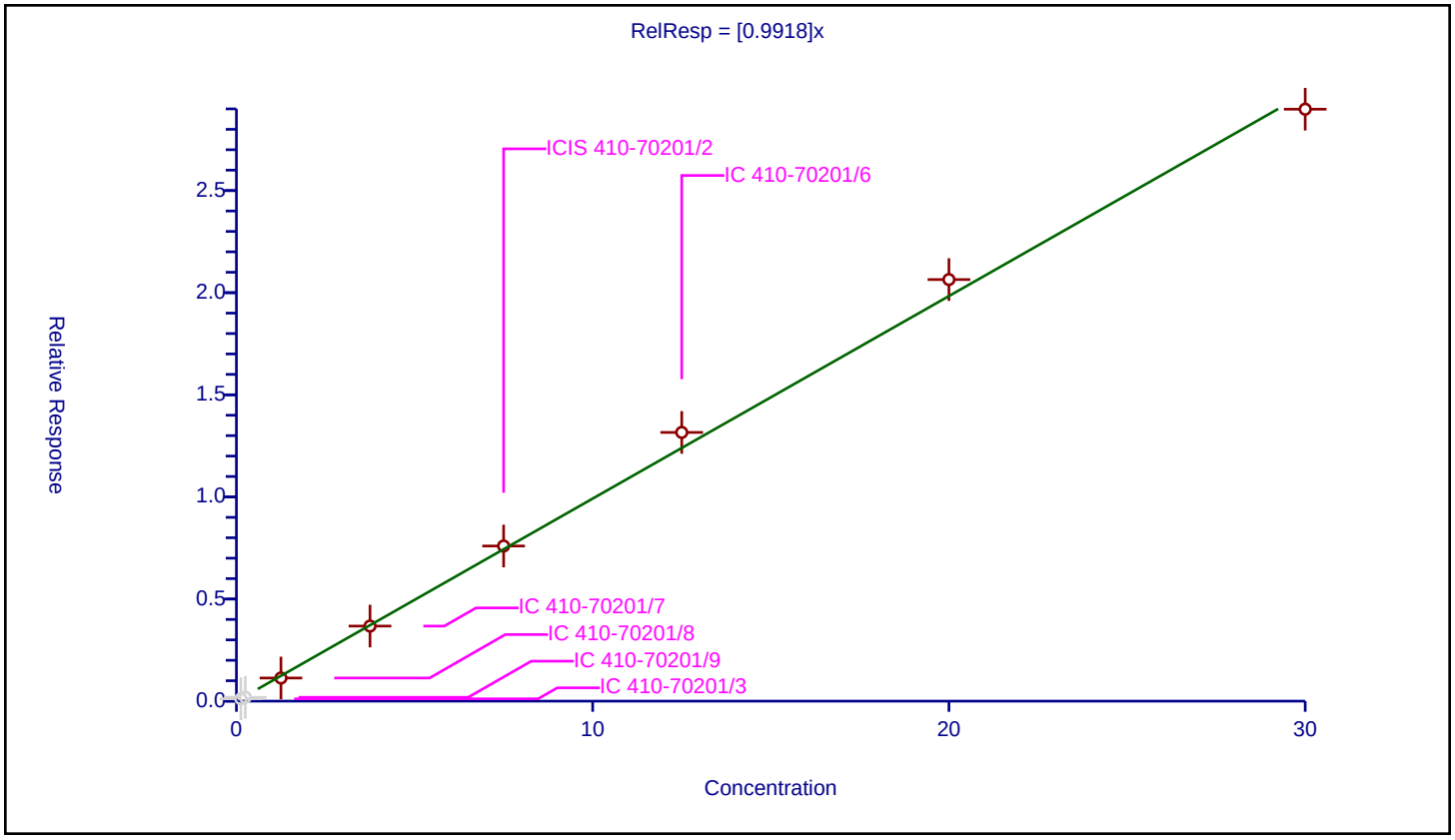
Curve Coefficients

Intercept:	0
Slope:	0.9918

Error Coefficients

Standard Error:	4060000
Relative Standard Error:	5.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.11377	5.0	940492.0	0.910162	N
2	IC 410-70201/9	0.25	0.188032	5.0	976642.0	0.752128	N
3	IC 410-70201/8	1.25	1.133191	5.0	1007059.0	0.906553	Y
4	IC 410-70201/7	3.75	3.675412	5.0	1070997.0	0.98011	Y
5	ICIS 410-70201/2	7.5	7.596248	5.0	1063296.0	1.012833	Y
6	IC 410-70201/6	12.5	13.158904	5.0	1261246.0	1.052712	Y
7	IC 410-70201/5	20.0	20.643374	5.0	1168029.0	1.032169	Y
8	IC 410-70201/4	30.0	28.984843	5.0	1156363.0	0.966161	Y



Calibration / Indeno[1,2,3-cd]pyrene

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

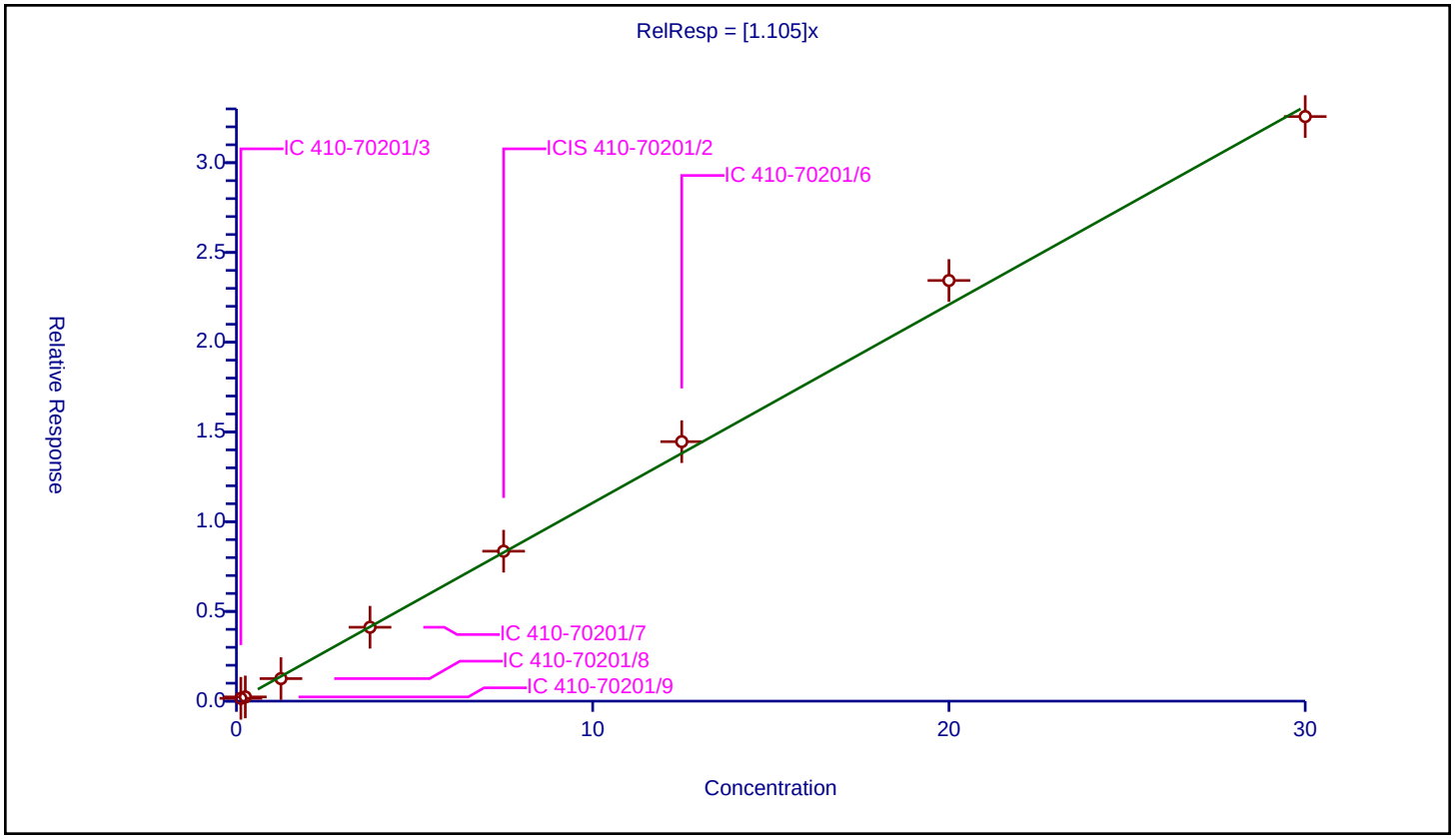
Curve Coefficients

Intercept:	0
Slope:	1.105

Error Coefficients

Standard Error:	3850000
Relative Standard Error:	9.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.158119	5.0	940492.0	1.264955	Y
2	IC 410-70201/9	0.25	0.235501	5.0	976642.0	0.942003	Y
3	IC 410-70201/8	1.25	1.256009	5.0	1007059.0	1.004807	Y
4	IC 410-70201/7	3.75	4.117976	5.0	1070997.0	1.098127	Y
5	ICIS 410-70201/2	7.5	8.354151	5.0	1063296.0	1.113887	Y
6	IC 410-70201/6	12.5	14.458417	5.0	1261246.0	1.156673	Y
7	IC 410-70201/5	20.0	23.438061	5.0	1168029.0	1.171903	Y
8	IC 410-70201/4	30.0	32.571986	5.0	1156363.0	1.085733	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

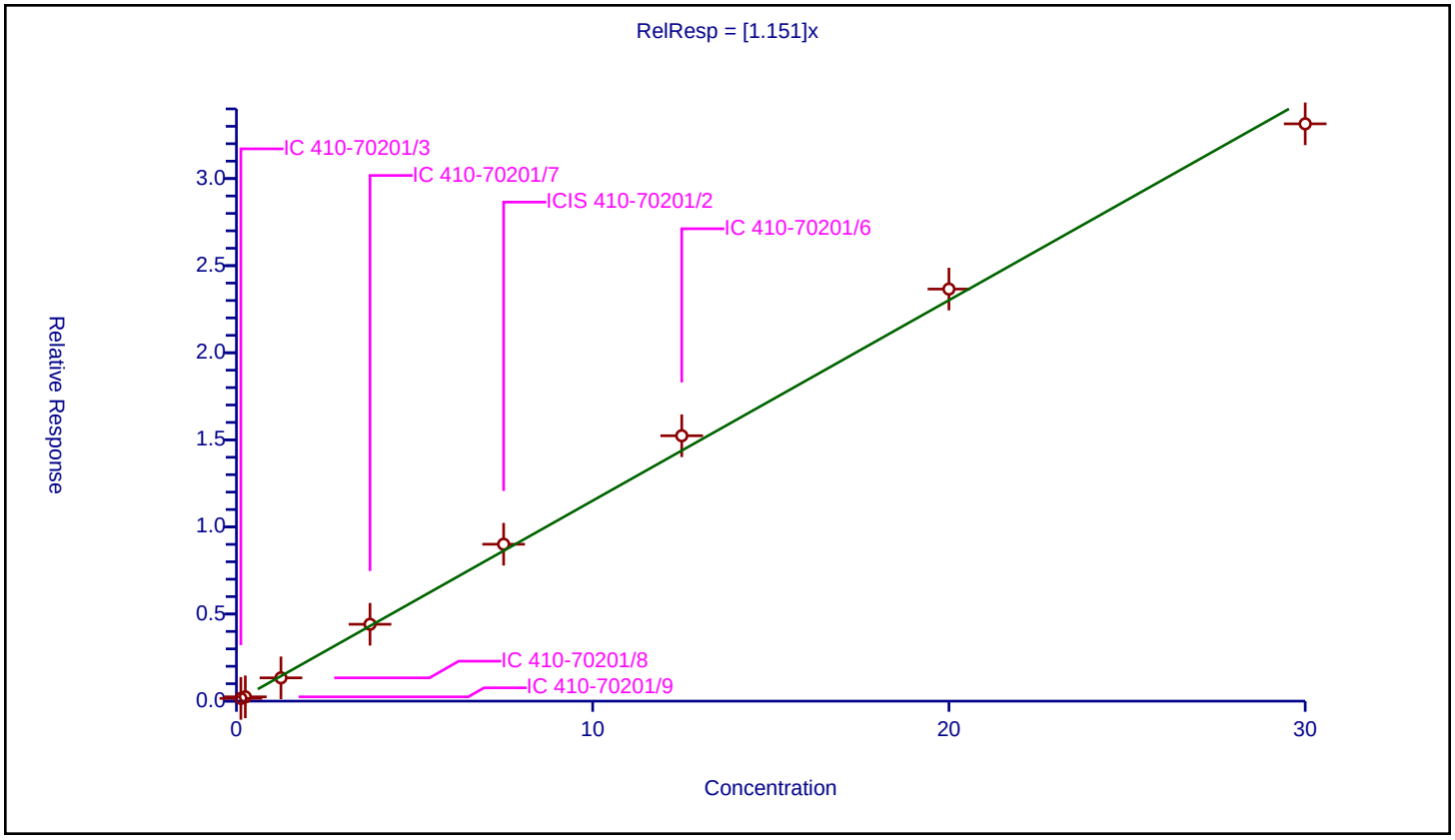
Curve Coefficients

Intercept:	0
Slope:	1.151

Error Coefficients

Standard Error:	3940000
Relative Standard Error:	7.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.158316	5.0	940492.0	1.266529	Y
2	IC 410-70201/9	0.25	0.246349	5.0	976642.0	0.985397	Y
3	IC 410-70201/8	1.25	1.337816	5.0	1007059.0	1.070253	Y
4	IC 410-70201/7	3.75	4.41328	5.0	1070997.0	1.176875	Y
5	ICIS 410-70201/2	7.5	9.008479	5.0	1063296.0	1.201131	Y
6	IC 410-70201/6	12.5	15.236599	5.0	1261246.0	1.218928	Y
7	IC 410-70201/5	20.0	23.656125	5.0	1168029.0	1.182806	Y
8	IC 410-70201/4	30.0	33.142876	5.0	1156363.0	1.104763	Y



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

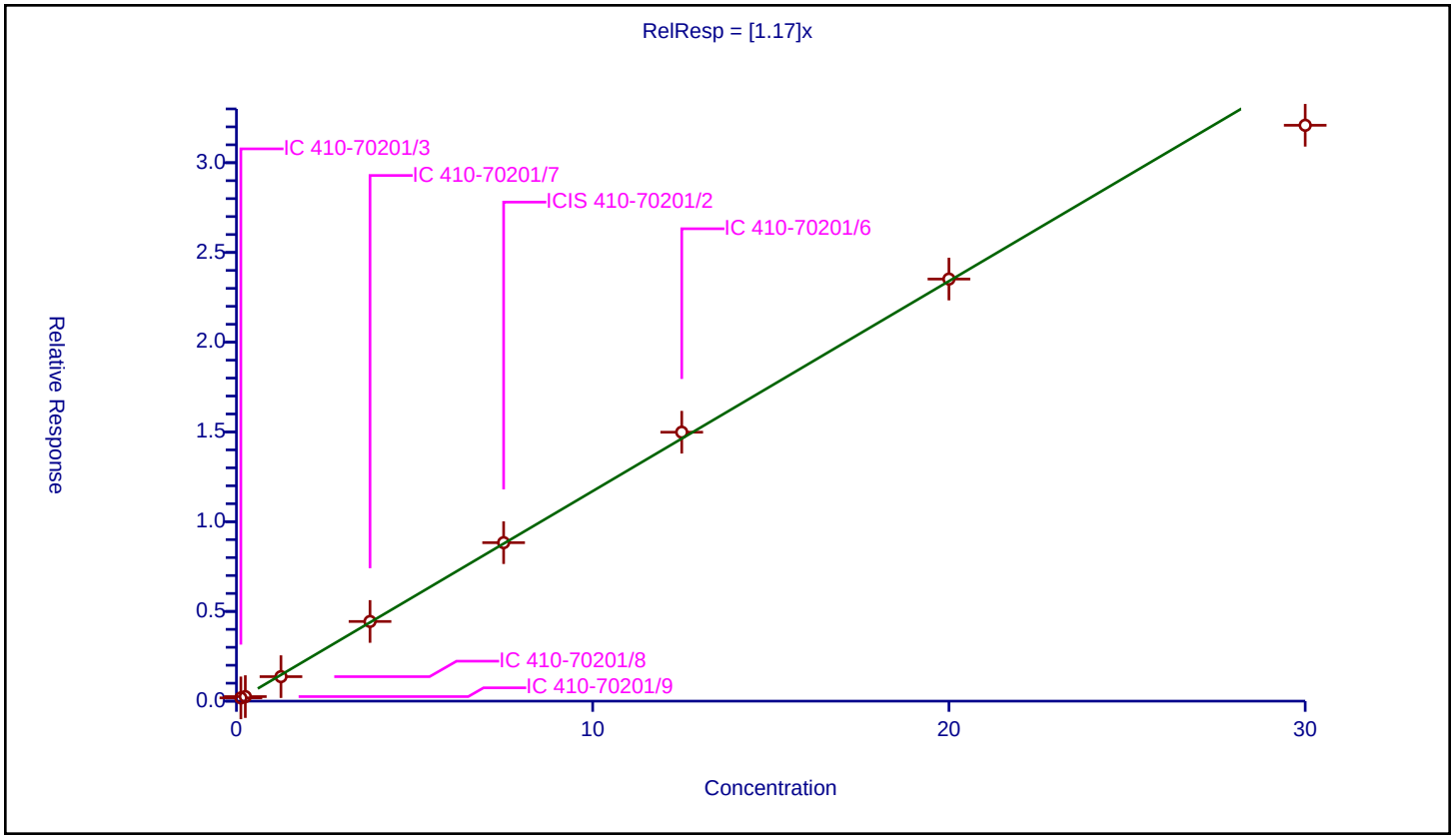
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	3860000
Relative Standard Error:	11.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-70201/3	0.125	0.18166	5.0	940492.0	1.453282	Y
2	IC 410-70201/9	0.25	0.252657	5.0	976642.0	1.010626	Y
3	IC 410-70201/8	1.25	1.365049	5.0	1007059.0	1.092039	Y
4	IC 410-70201/7	3.75	4.439602	5.0	1070997.0	1.183894	Y
5	ICIS 410-70201/2	7.5	8.83018	5.0	1063296.0	1.177357	Y
6	IC 410-70201/6	12.5	14.985284	5.0	1261246.0	1.198823	Y
7	IC 410-70201/5	20.0	23.51865	5.0	1168029.0	1.175932	Y
8	IC 410-70201/4	30.0	32.086892	5.0	1156363.0	1.069563	Y



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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-72438/3	JL0122.D
Level 2	IC 410-72438/9	JL0128.D
Level 3	IC 410-72438/8	JL0127.D
Level 4	IC 410-72438/7	JL0126.D
Level 5	ICIS 410-72438/2	JL0121.D
Level 6	IC 410-72438/6	JL0125.D
Level 7	IC 410-72438/5	JL0124.D
Level 8	IC 410-72438/4	JL0123.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	+++++ 0.7610	+++++ 0.7436	0.8190 0.7235	0.7680	0.7955	Ave		0.7684				4.5		20.0			
N-Nitrosodimethylamine	+++++ 1.1990	+++++ 1.1825	1.0756 1.1630	1.1989	1.2415	Ave		1.1768				4.8		20.0			
Pyridine	+++++ 2.1844	+++++ 2.0999	2.0267 2.0712	2.3162	2.2497	Ave		2.1580				5.2		20.0			
2-Picoline	+++++ 2.0082	+++++ 1.9418	1.9959 1.8784	1.9646	2.0200	Ave		1.9681				2.7		20.0			
N-Nitrosomethylethylamine	+++++ 0.8750	+++++ 0.8301	0.9277 0.8110	0.8943	0.8635	Ave		0.8669				4.9		20.0			
Methyl methanesulfonate	+++++ 0.8678	+++++ 0.8312	0.8378 0.8055	0.8937	0.8851	Ave		0.8535				4.0		20.0			
N-Nitrosodiethylamine	+++++ 0.7713	0.6220 0.7333	0.7277 0.7119	0.7494	0.7538	Ave		0.7242				6.8		20.0			
Ethyl methanesulfonate	+++++ 0.8170	0.7669 0.7785	0.8018 0.7471	0.8120	0.8107	Ave		0.7906				3.4		20.0			
Benzaldehyde	+++++ 1.5397	+++++ 1.3032	1.5366 1.0926	1.6453	1.6176	Ave		1.4558			0.0100	14.8		20.0			
Phenol	+++++ 2.4913	2.1061 2.3043	2.3633 2.2197	2.4365	2.4148	Ave		2.3337			0.8000	5.8		20.0			
Aniline	+++++ 2.8069	2.5204 2.6927	2.7212 2.5643	2.8073	2.7931	Ave		2.7008				4.3		20.0			
Bis(2-chloroethyl)ether	+++++ 1.8418	1.8785 1.7370	1.8004 1.6612	1.8702	1.8156	Ave		1.8007			0.7000	4.3		20.0			
2-Chlorophenol	+++++ 1.5563	1.3284 1.5118	1.5279 1.4420	1.5464	1.5808	Ave		1.4991			0.8000	5.8		20.0			
1,3-Dichlorobenzene	+++++ 1.6465	1.4696 1.5800	1.6840 1.5220	1.6710	1.6269	Ave		1.6000				5.0		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
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

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-Dichlorobenzene	+++++ 1.6800	1.4937 1.6061	1.6009 1.5607	1.7006	1.6614	Ave		1.6148				4.5		20.0			
Benzyl alcohol	+++++ 1.0691	+++++ 1.0379	0.9881 0.9115	1.0494	1.0325	Ave		1.0147				5.6		20.0			
1,2-Dichlorobenzene	+++++ 1.5721	1.4354 1.5192	1.5880 1.4606	1.5961	1.6244	Ave		1.5423				4.7		20.0			
Indene	+++++ 2.2613	2.2499 2.1909	2.0702 1.9887	2.3169	2.2517	Ave		2.1900				5.4		20.0			
2-Methylphenol	+++++ 1.5104	1.2780 1.4238	1.4245 1.3607	1.4998	1.4944	Ave		1.4274			0.7000	6.0		20.0			
2,2'-oxybis[1-chloropropane]	+++++ 3.1057	2.9959 2.9414	3.1178 2.8394	3.1157	3.1060	Ave		3.0317			0.0100	3.6		20.0			
N-Nitrosopyrrolidine	+++++ 0.8240	0.6872 0.7810	0.8005 0.7426	0.8238	0.7951	Ave		0.7792				6.3		20.0			
Acetophenone	+++++ 2.4749	2.0977 2.2341	2.1133 2.2318	2.3836	2.3817	Ave		2.2739			0.0100	6.3		20.0			
N-Nitrosodi-n-propylamine	+++++ 1.3666	1.2249 1.2861	1.2794 1.2274	1.3919	1.3195	Ave		1.2994			0.5000	4.9		20.0			
4-Methylphenol (and/or 3-Methylphenol)	+++++ 1.7158	1.2980 1.6083	1.5675 1.5430	1.7473	1.6786	Ave		1.5941			0.6000	9.5		20.0			
N-Nitrosomorpholine	+++++ 1.2092	+++++ 1.1176	1.1798 1.0595	1.2116	1.1550	Ave		1.1554				5.1		20.0			
o-Toluidine	+++++ 2.5345	2.3296 2.4240	2.3971 2.3170	2.6070	2.4926	Ave		2.4431				4.4		20.0			
Hexachloroethane	+++++ 0.7742	+++++ 0.7510	0.7721 0.7165	0.7749	0.7812	Ave		0.7616			0.3000	3.2		20.0			
Nitrobenzene	+++++ 0.5136	0.5119 0.5107	0.4988 0.4985	0.5197	0.5119	Ave		0.5093			0.2000	1.5		20.0			
N-Nitrosopiperidine	+++++ 0.1934	0.1938 0.1889	0.1840 0.1864	0.1948	0.1913	Ave		0.1904				2.2		20.0			
Isophorone	+++++ 0.8456	0.7331 0.8300	0.7753 0.8010	0.8373	0.8235	Ave		0.8066			0.4000	5.0		20.0			
2-Nitrophenol	+++++ 0.1960	0.1375 0.1971	0.1681 0.1899	0.1882	0.1851	Ave		0.1803			0.1000	11.7		20.0			
2,4-Dimethylphenol	+++++ 0.4132	0.3229 0.4001	0.3823 0.3963	0.4104	0.4056	Ave		0.3901			0.2000	8.0		20.0			
Benzoic acid	+++++ 0.2168	0.1298 0.2195	0.1319 0.2366	0.1768	0.1770	Lin	-0.476	0.2486							0.9960		0.9900
o,o',o''-Triethylphosphorothioate	+++++ 0.1441	+++++ 0.1429	0.1414 0.1363	0.1490	0.1446	Ave		0.1430				2.9		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

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								
Bis(2-chloroethoxy)methane	+++++ 0.5587	0.4946 0.5117	0.5170 0.4995	0.5669	0.5631	Ave		0.5302			0.3000	5.9		20.0			
2,4-Dichlorophenol	+++++ 0.3000	0.2526 0.2864	0.2614 0.2738	0.2986	0.2894	Ave		0.2803			0.2000	6.5		20.0			
1,2,4-Trichlorobenzene	+++++ 0.3233	0.2992 0.3207	0.3138 0.3171	0.3326	0.3236	Ave		0.3186				3.3		20.0			
Naphthalene	1.0990 1.0982	1.0540 1.0833	1.1238 1.0618	1.1615	1.1217	Ave		1.1004			0.7000	3.2		20.0			
4-Chloroaniline	+++++ 0.4358	0.3592 0.4234	0.4002 0.4207	0.4467	0.4293	Ave		0.4165			0.0100	7.0		20.0			
2,6-Dichlorophenol	+++++ 0.2819	0.2331 0.2717	0.2481 0.2707	0.2813	0.2769	Ave		0.2662				7.0		20.0			
Hexachloropropene	+++++ 0.1702	+++++ 0.1721	0.1526 0.1700	0.1753	0.1721	Ave		0.1687				4.8		20.0			
Hexachlorobutadiene	+++++ 0.1738	0.1916 0.1727	0.1663 0.1703	0.1769	0.1751	Ave		0.1752			0.0100	4.6		20.0			
Quinoline	+++++ 0.6620	0.6007 0.6329	0.6269 0.6186	0.6785	0.6483	Ave		0.6383				4.2		20.0			
Caprolactam	+++++ 0.1155	0.0864 0.1062	0.0852 0.1068	0.1017	0.1015	Ave		0.1005			0.0100	11.0		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.2883	0.2783 0.3515	0.2607 0.3462	0.2839	0.2747	Ave		0.2977				12.1		20.0			
4-Chloro-3-methylphenol	+++++ 0.3292	0.2488 0.3197	0.3028 0.3094	0.3214	0.3147	Ave		0.3066			0.2000	8.8		20.0			
Safrole, Total	+++++ 0.2492	+++++ 0.2449	0.2336 0.2408	0.2493	0.2424	Ave		0.2434				2.4		20.0			
2-Methylnaphthalene	0.6506 0.6837	0.6310 0.6713	0.6950 0.6525	0.6965	0.6772	Ave		0.6697			0.4000	3.5		20.0			
1-Methylnaphthalene	0.5916 0.6533	0.6172 0.6383	0.6297 0.6267	0.6554	0.6424	Ave		0.6318				3.3		20.0			
Hexachlorocyclopentadiene	+++++ 0.3947	+++++ 0.4008	0.3739 0.4024	0.4124	0.4086	Ave		0.3988			0.0500	3.4		20.0			
1,2,4,5-Tetrachlorobenzene	+++++ 0.6749	0.6833 0.6433	0.6596 0.6530	0.7112	0.7062	Ave		0.6759			0.0100	3.9		20.0			
Isosafrole Peak 1	+++++ 0.6640	+++++ 0.6396	0.6448 0.6593	0.6875	0.7015	Ave		0.6661				3.6		20.0			
2,4,6-Trichlorophenol	+++++ 0.4502	0.3370 0.4393	0.3979 0.4405	0.4385	0.4458	Ave		0.4213			0.2000	9.7		20.0			
2,4,5-Trichlorophenol	+++++ 0.4775	0.3673 0.4605	0.4031 0.4560	0.4789	0.4927	Ave		0.4480			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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

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								
Isosafrole Peak 2	+++++ 0.6885	+++++ 0.6604	0.6198 0.6613	0.6929	0.7159	Ave		0.6731				5.0		20.0			
1,1'-Biphenyl	+++++ 2.0327	1.8143 1.8394	1.8201 1.9242	2.0468	2.0197	Ave		1.9282			0.0100	5.4		20.0			
2-Chloronaphthalene	+++++ 1.3989	1.4284 1.3308	1.4976 1.6050	1.5716	1.4886	Ave		1.4744			0.8000	6.5		20.0			
1-Chloronaphthalene	+++++ 1.4922	1.2750 1.4503	1.4106 1.1402	1.4431	1.4792	Ave		1.3844				9.4		20.0			
Diphenyl ether	0.9063 0.9475	0.8675 0.9216	0.9222 0.9264	0.9965	0.9693	Ave		0.9322				4.2		20.0			
2-Nitroaniline	+++++ 0.5086	0.3716 0.4893	0.4351 0.4774	0.4840	0.4885	Ave		0.4649			0.0100	10.1		20.0			
1,4-Naphthoquinone	+++++ 0.5857	+++++ 0.5943	0.5078 0.5735	0.5912	0.6020	Ave		0.5757				6.0		20.0			
1,4-Dinitrobenzene	+++++ 0.2116	+++++ 0.2057	0.1689 0.2105	0.2027	0.2043	Ave		0.2006				7.9		20.0			
Dimethyl phthalate	+++++ 1.4837	+++++ 1.4346	1.3892 1.3903	1.5381	1.4793	Ave		1.4526			0.0100	4.0		20.0			
1,3-Dinitrobenzene	+++++ 0.2487	+++++ 0.2298	0.1900 0.2378	0.2318	0.2345	Ave		0.2288				8.8		20.0			
2,6-Dinitrotoluene	+++++ 0.3397	0.2598 0.3381	0.3094 0.3351	0.3455	0.3395	Ave		0.3239			0.2000	9.4		20.0			
Acenaphthylene	1.8118 2.0154	1.7878 1.9627	2.0089 1.9773	2.0693	2.0603	Ave		1.9617			0.9000	5.4		20.0			
3-Nitroaniline	+++++ 0.3970	0.2836 0.3861	0.3464 0.3905	0.3972	0.4038	Ave		0.3721			0.0100	11.7		20.0			
Acenaphthene	1.3802 1.4571	1.3155 1.4184	1.4478 1.4064	1.4892	1.4798	Ave		1.4243			0.9000	4.0		20.0			
2,4-Dinitrophenol	+++++ 0.1732	+++++ 0.1749	+++++ 0.1827	0.1481	0.1567	Ave		0.1671			0.0100	8.5		20.0			
4-Nitrophenol	+++++ 0.2841	+++++ 0.2793	+++++ 0.2867	0.2615	0.2846	Ave		0.2793			0.0100	3.7		20.0			
Pentachlorobenzene	+++++ 0.5735	0.5733 0.5525	0.5903 0.5533	0.6071	0.6016	Ave		0.5788				3.8		20.0			
Dibenzofuran	+++++ 1.8720	1.7359 1.8249	1.8474 1.8073	1.9635	1.9404	Ave		1.8559			0.8000	4.2		20.0			
2,4-Dinitrotoluene	+++++ 0.4288	+++++ 0.4158	0.3775 0.4263	0.4207	0.4405	Ave		0.4183			0.2000	5.2		20.0			
1-Naphthylamine	+++++ 1.4643	+++++ 1.4452	+++++ 1.4170	1.5404	1.5351	Ave		1.4804				3.7		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

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								
2,3,4,6-Tetrachlorophenol	+++++ 0.3366	0.2227 0.3334	0.2700 0.3209	0.3161	0.3250	Ave		0.3035			0.0100	13.8		20.0			
2-Naphthylamine	+++++ 1.4196	+++++ 1.4184	+++++ 1.4564	1.4737	1.5343	Ave		1.4605				3.3		20.0			
Diethyl phthalate	+++++ 1.4684	+++++ 1.4288	1.3875 1.4494	1.5731	1.4912	Ave		1.4664			0.0100	4.3		20.0			
Fluorene	1.3950 1.5101	1.3884 1.4502	1.4558 1.4553	1.5019	1.5057	Ave		1.4578			0.9000	3.3		20.0			
Thionazin	+++++ 0.3224	+++++ 0.2972	0.3004 0.3205	0.3397	0.3210	Ave		0.3169				5.0		20.0			
5-Nitro-o-toluidine	+++++ 0.4086	0.3339 0.4213	0.3703 0.4167	0.4160	0.4314	Ave		0.3997				8.7		20.0			
4-Chlorophenyl-phenyl ether	+++++ 0.6646	0.6032 0.6406	0.6711 0.6245	0.6877	0.6985	Ave		0.6557			0.4000	5.3		20.0			
4-Nitroaniline	+++++ 0.4134	0.2845 0.4026	0.3703 0.3956	0.4264	0.4178	Ave		0.3872			0.0100	12.6		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1289	+++++ 0.1315	+++++ 0.1382	0.1098	0.1151	Ave		0.1247			0.0100	9.5		20.0			
N-Nitrosodiphenylamine	+++++ 0.6934	0.5955 0.6580	0.6753 0.6553	0.7258	0.6884	Ave		0.6702			0.0100	6.1		20.0			
1,2-Diphenylhydrazine	+++++ 1.3053	1.2205 1.2066	1.2416 1.1452	1.2677	1.3038	Ave		1.2415				4.6		20.0			
Sulfotepp	+++++ 0.1903	+++++ 0.1867	0.1716 0.1708	0.1868	0.1852	Ave		0.1819				4.6		20.0			
cis-Diallate	+++++ 0.5007	+++++ 0.4884	0.4447 0.4544	0.4793	0.4730	Ave		0.4734				4.4		20.0			
Phorate	0.5796 0.7505	0.5908 0.7370	0.6449 0.7160	0.6800	0.7156	Ave		0.6768				9.7		20.0			
Phenacetin	+++++ 0.4994	0.2731 0.5217	0.3638 0.4602	0.4454	0.4593	Ave		0.4318				19.9		20.0			
4-Bromophenyl-phenylether	+++++ 0.2365	0.1953 0.2329	0.2400 0.2196	0.2388	0.2363	Ave		0.2285			0.1000	7.1		20.0			
trans-Diallate	+++++ 0.4871	+++++ 0.4939	0.4845 0.4466	0.5078	0.4726	Ave		0.4821				4.3		20.0			
Hexachlorobenzene	0.2961 0.2703	0.2748 0.2652	0.2792 0.2599	0.2842	0.2789	Ave		0.2761			0.1000	4.1		20.0			
Dimethoate	+++++ 0.4546	+++++ 0.4470	0.3756 0.4410	0.4190	0.4478	Ave		0.4308				6.9		20.0			
Atrazine	+++++ 0.2096	0.1786 0.2016	0.1834 0.1968	0.2078	0.2085	Ave		0.1980			0.0100	6.3		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

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								
Pentachlorophenol	+++++ 0.1563	+++++ 0.1583	0.1121 0.1558	0.1369	0.1452	Ave		0.1441			0.0500	12.3		20.0			
Pentachloronitrobenzene	+++++ 0.1042	+++++ 0.1059	0.0926 0.0983	0.1011	0.0987	Ave		0.1001				4.7		20.0			
4-Aminobiphenyl	+++++ 0.5426	0.4479 0.5370	0.4648 0.4945	0.5229	0.5349	Ave		0.5064				7.5		20.0			
Pronamide	+++++ 0.3660	0.2529 0.3701	0.3040 0.3364	0.3389	0.3582	Ave		0.3324				12.5		20.0			
Dinoseb	0.0566 0.1588	0.0645 0.1663	0.0908 0.1610	0.1273	0.1382	Qua1	-0.017	0.1413	0.0008340						0.9960		0.9900
Phenanthrene	1.3100 1.2174	1.1650 1.1989	1.2133 1.1335	1.2368	1.2248	Ave		1.2125			0.7000	4.3		20.0			
Anthracene	1.1714 1.2564	1.1260 1.2427	1.1505 1.1739	1.2484	1.2374	Ave		1.2009			0.7000	4.2		20.0			
Carbazole	+++++ 1.0959	0.8602 1.0899	1.0181 1.0409	1.0931	1.1106	Ave		1.0441			0.0100	8.4		20.0			
Methyl parathion	+++++ 0.3320	+++++ 0.3331	0.2307 0.3256	0.2886	0.3030	Ave		0.3022				13.0		20.0			
Di-n-butyl phthalate	+++++ 1.4576	+++++ 1.4581	1.2819 1.4197	1.3676	1.4168	Ave		1.4003			0.0100	4.8		20.0			
Parathion	+++++ 0.1955	+++++ 0.2005	0.1257 0.1943	0.1723	0.1813	Ave		0.1783				15.6		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.1141	0.0463 0.1217	0.0581 0.1258	0.0753	0.0943	Qua1	-0.019	0.0919	0.0012610						0.9960		0.9900
Octachlorostyrene	+++++ 0.1080	0.0873 0.1082	0.0975 0.0997	0.1089	0.1115	Ave		0.1030				8.4		20.0			
Isodrin	+++++ 0.1429	0.1240 0.1406	0.1388 0.1359	0.1446	0.1360	Ave		0.1375				4.9		20.0			
Fluoranthene	1.0621 1.2262	0.9841 1.2150	1.1237 1.1773	1.1998	1.2226	Ave		1.1514			0.6000	7.7		20.0			
Benzidine	+++++ 0.9148	+++++ 0.9686	0.8180 0.8828	0.9156	0.9525	Ave		0.9087				5.9		20.0			
Pyrene	1.4629 1.3991	1.4035 1.3941	1.4231 1.3358	1.4580	1.4572	Ave		1.4167			0.6000	3.0		20.0			
p-Dimethylamino azobenzene	+++++ 0.2325	0.1476 0.2374	0.1741 0.2272	0.2160	0.2317	Ave		0.2095				16.6		20.0			
Chlorobenzilate	+++++ 0.4606	+++++ 0.4753	0.3700 0.4587	0.4471	0.4710	Ave		0.4471				8.7		20.0			
3,3'-Dimethylbenzidine	+++++ 0.7838	+++++ 0.8054	0.6691 0.7514	0.7354	0.8199	Ave		0.7608				7.2		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

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								
Butylbenzylphthalate	+++++ 0.6835	+++++ 0.7095	0.5801 0.6937	0.6544	0.6859	Ave		0.6678			0.0100	7.0		20.0			
2-Acetylaminofluorene	+++++ 0.5122	+++++ 0.5455	0.3361 0.5618	0.4296	0.5213	Ave		0.4844				17.7		20.0			
3,3'-Dichlorobenzidine	+++++ 0.4762	0.3225 0.4831	0.4046 0.4882	0.4437	0.4773	Ave		0.4422			0.0100	13.7		20.0			
Benzo[a]anthracene	1.0057 1.1784	0.9364 1.1880	1.0835 1.1936	1.1623	1.2044	Ave		1.1190			0.8000	9.0		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.1336 0.2278	0.1511 0.2302	0.2040 0.2332	0.2128	0.2292	Ave		0.2027				19.1		20.0			
Chrysene	1.0111 1.2000	0.9921 1.2208	1.1597 1.1877	1.2149	1.2427	Ave		1.1536			0.7000	8.4		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.9337	+++++ 0.9785	0.7619 0.9804	0.8574	0.9413	Ave		0.9089			0.0100	9.3		20.0			
6-Methylchrysene	0.7212 0.8213	0.5723 0.8395	0.7620 0.8393	0.7881	0.8324	Ave		0.7720				11.8		20.0			
Di-n-octyl phthalate	+++++ 1.6052	+++++ 1.7739	1.3026 1.5911	1.5786	1.6051	Ave		1.5761			0.0100	9.7		20.0			
Benzo[b]fluoranthene	1.1614 1.2734	1.0948 1.3023	1.1611 1.2533	1.3823	1.2772	Ave		1.2382			0.7000	7.5		20.0			
7,12-Dimethylbenz(a)anthracene	+++++ 0.5526	0.4654 0.5959	0.5419 0.5405	0.5779	0.5416	Ave		0.5451				7.5		20.0			
Benzo[k]fluoranthene	1.0486 1.2990	1.1620 1.3507	1.3166 1.1924	1.2910	1.2886	Ave		1.2436			0.7000	8.1		20.0			
Benzo[a]pyrene	0.9907 1.2421	1.0291 1.3034	1.2206 1.2179	1.2503	1.2465	Ave		1.1876			0.7000	9.5		20.0			
3-Methylcholanthrene	+++++ 0.6273	0.5091 0.6403	0.5406 0.6039	0.5963	0.6009	Ave		0.5884				8.0		20.0			
Dibenz[a,h]acridine	+++++ 1.0678	+++++ 1.0948	0.8313 1.0026	1.0009	1.0302	Ave		1.0046				9.2		20.0			
Dibenz[a,j]acridine	+++++ 1.1296	+++++ 1.1715	0.9625 1.0682	1.1100	1.0994	Ave		1.0902				6.5		20.0			
Indeno[1,2,3-cd]pyrene	0.9230 1.2566	0.9301 1.3485	1.0968 1.2005	1.2252	1.2323	Ave		1.1516			0.5000	13.5		20.0			
Dibenz(a,h)anthracene	1.0437 1.3059	1.0092 1.3574	1.1293 1.2278	1.2291	1.2758	Ave		1.1973			0.4000	10.4		20.0			
Benzo[g,h,i]perylene	1.1132 1.3840	1.0376 1.4006	1.2089 1.2485	1.3657	1.3562	Ave		1.2643			0.5000	10.7		20.0			
2-Fluorophenol (Surr)	+++++ 1.5804	1.4181 1.5383	1.5136 1.4876	1.6073	1.5893	Ave		1.5335				4.3		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

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								
Phenol-d5 (Surr)	1.8970 2.1187	1.7797 1.9885	1.9843 1.9461	2.0734	2.0764	Ave		1.9830				5.6		20.0			
Nitrobenzene-d5 (Surr)	+++++ 0.5015	0.4506 0.4830	0.4808 0.4793	0.5106	0.4969	Ave		0.4861				4.0		20.0			
2-Fluorobiphenyl (Surr)	+++++ 1.6149	1.5844 1.5661	1.6344 1.5398	1.6796	1.6617	Ave		1.6115				3.2		20.0			
2,4,6-Tribromophenol (Surr)	+++++ 0.2399	0.1820 0.2313	0.2107 0.2278	0.2389	0.2405	Ave		0.2244				9.5		20.0			
p-Terphenyl-d14 (Surr)	+++++ 0.9446	0.8457 0.9547	0.9626 0.9066	0.9842	0.9650	Ave		0.9376				5.0		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 Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-72438/3	JL0122.D
Level 2	IC 410-72438/9	JL0128.D
Level 3	IC 410-72438/8	JL0127.D
Level 4	IC 410-72438/7	JL0126.D
Level 5	ICIS 410-72438/2	JL0121.D
Level 6	IC 410-72438/6	JL0125.D
Level 7	IC 410-72438/5	JL0124.D
Level 8	IC 410-72438/4	JL0123.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 359048	+++++ 475160	32836 712043	91789	194285	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	+++++ 565690	+++++ 755561	43126 1144527	143294	303224	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	+++++ 1030613	+++++ 1341780	81255 2038297	276834	549443	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	+++++ 947470	+++++ 1240772	80023 1848599	234805	493348	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 412852	+++++ 530411	37196 798104	106883	210906	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	+++++ 409434	+++++ 531104	33589 792700	106810	216178	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	+++++ 363929	5233 468538	29177 700626	89568	184102	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	+++++ 385485	6452 497408	32145 735251	97045	198008	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	+++++ 726430	+++++ 832723	61608 1075257	196644	395083	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Phenol	DCBd4	Ave	+++++ 1175425	17720 1472363	94751 2184414	291211	589778	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	+++++ 1324321	21206 1720510	109101 2523553	335533	682168	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	+++++ 868962	15805 1109878	72184 1634808	223525	443441	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	+++++ 734267	11177 965954	61257 1419117	184823	386089	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	+++++ 776848	12365 1009560	67516 1497849	199718	397351	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dichlorobenzene	DCBd4	Ave	+++++ 792660	12567 1026251	64184 1535889	203253	405769	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Benzyl alcohol	DCBd4	Ave	+++++ 504408	+++++ 663170	39618 897017	125424	252164	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	+++++ 741745	12077 970694	63668 1437451	190772	396729	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indene	DCBd4	Ave	+++++ 1066923	18930 1399934	83001 1957167	276914	549934	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	+++++ 712617	10753 909764	57113 1339116	179263	364990	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	+++++ 1465323	25206 1879441	125003 2794357	372387	758587	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	+++++ 388794	5782 499037	32094 730791	98462	194189	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	+++++ 1167663	17649 1427502	84731 2196338	284893	581687	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	+++++ 644778	10306 821775	51296 1207958	166364	322264	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Methylphenol (and/or 3-Methylphenol)	DCBd4	Ave	+++++ 809555	10921 1027669	62847 1518492	208836	409975	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	+++++ 570499	+++++ 714084	47302 1042713	144806	282089	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
o-Toluidine	DCBd4	Ave	+++++ 1195808	19600 1548867	96108 2280198	311585	608785	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	+++++ 365264	+++++ 479854	30955 705075	92611	190803	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	+++++ 940819	16255 1215353	77589 1775122	235263	474101	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	+++++ 354251	6154 449466	28614 663681	88204	177220	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	+++++ 1549012	23280 1975115	120597 2852700	379048	762716	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	+++++ 358996	4366 468936	26141 676118	85219	171455	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	+++++ 756967	10255 952043	59463 1411256	185777	375668	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzoic acid	NPT	Lin	+++++ 397173	41207 522299	61532 842597	160100	218585	+++++ 12.5	2.50 20.0	3.75 30.0	7.50	10.0
o,o',o''-Triethylphosphorothioate	NPT	Ave	+++++ 263910	+++++ 340023	21989 485234	67475	133966	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 1023482	15706 1217704	80410 1778689	256626	521552	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	+++++	8020	40653	135181	268019	+++++	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			549505	681429	975076			12.5	20.0	30.0		
1,2,4-Trichlorobenzene	NPT	Ave	+++++ 592197	9502 763077	48810 1129209	150593	299720	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	16824 2011674	33472 2577938	174797 3781151	525815	1038907	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 798361	11408 1007536	62253 1498181	202229	397641	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	+++++ 516313	7402 646464	38593 963906	127344	256475	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	+++++ 311686	+++++ 409503	23740 605335	79349	159375	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	+++++ 318404	6083 410959	25864 606519	80067	162223	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	+++++ 1212569	19077 1505959	97506 2202788	307141	600486	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	+++++ 211624	2743 252610	13254 380261	46023	94001	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 528169	8837 836322	40548 1232935	128519	254456	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	+++++ 603047	7902 760804	47103 1101882	145518	291527	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	+++++ 456425	+++++ 582844	36327 857559	112853	224498	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	9960 1252386	20039 1597372	108092 2323533	315307	627258	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	9057 1196717	19600 1518863	97938 2231750	296710	595028	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	+++++ 300014	+++++ 395713	23734 575425	76406	149483	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	+++++ 512988	9206 635241	41865 933760	131784	258374	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 80745	+++++ 101041	6548 150838	20383	41062	+++++ 2.00	+++++ 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	+++++ 342205	4540 433810	25253 629939	81242	163094	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	+++++ 362957	4949 454709	25584 652024	88729	180268	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	+++++ 439587	+++++ 547742	33046 794288	107850	220015	+++++ 10.5	+++++ 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	+++++ 1545019	24443 1816283	115520 2751477	379253	738909	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	+++++	19244	95056	291209	544583	+++++	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			1063255	1314057	2294931			12.5	20.0	30.0		
1-Chloronaphthalene	ANT	Ave	+++++ 1134221	17178 1432087	89529 1630356	267406	541150	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	5825 720184	11688 910003	58530 1324648	184638	354613	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 386601	5006 483095	27618 682668	89673	178708	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	+++++ 445163	+++++ 586815	32228 820083	109537	220229	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 160858	+++++ 203139	10721 300942	37561	74734	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	+++++ 1127709	+++++ 1416569	88176 1988034	285005	541212	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 189005	+++++ 226926	12059 340058	42954	85775	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 258222	3500 333832	19639 479226	64022	124214	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	11645 1531835	24086 1938009	127505 2827351	383420	753759	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 301758	3821 381229	21989 558379	73602	147717	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	8871 1107474	17723 1400592	91893 2010977	275941	541390	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 131618	+++++ 172721	+++++ 261241	54899	76422	+++++ 12.5	+++++ 20.0	+++++ 30.0	7.50	10.0
4-Nitrophenol	ANT	Ave	+++++ 215937	+++++ 275827	+++++ 410003	48460	104126	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Pentachlorobenzene	ANT	Ave	+++++ 435927	7724 545513	37466 791139	112492	220105	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	+++++ 1422880	23388 1801940	117254 2584244	363819	709889	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	+++++ 325901	+++++ 410603	23960 609612	77945	161146	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	+++++ 1113018	+++++ 1426961	+++++ 2026235	285417	561599	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	+++++ 255822	3000 329199	17137 458865	58564	118895	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	+++++ 1079007	+++++ 1400564	+++++ 2082505	273059	561312	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	+++++ 1116077	+++++ 1410805	88065 2072452	291487	545531	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	8966	18705	92397	278292	550842	0.125	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			1147769	1431977	2080957			12.5	20.0	30.0		
Thionazin	ANT	Ave	+++++ 245027	+++++ 293488	19064 458317	62935	117432	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	+++++ 310561	4498 416022	23501 595783	77083	157814	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl-phenyl ether	ANT	Ave	+++++ 505125	8127 632578	42593 892960	127427	255547	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 314210	3833 397499	23503 565621	79001	152841	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 164899	+++++ 218349	+++++ 345856	35126	72229	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
N-Nitrosodiphenylamine	PHN	Ave	+++++ 887249	13390 1092308	73173 1639694	232229	432130	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Diphenylhydrazine	PHN	Ave	+++++ 1670342	27444 2002800	134546 2865617	405603	818376	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	+++++ 243568	+++++ 309960	18599 427518	59751	116265	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 474156	+++++ 599947	35663 841426	113482	219724	+++++ 9.25	+++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	6208 960319	13285 1223402	69878 1791575	217549	449191	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 639043	6140 865952	39419 1151470	142507	288278	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl-phenylether	PHN	Ave	+++++ 302617	4391 386529	26012 549454	76406	148300	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 162058	+++++ 213173	13649 290568	42238	77121	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	3171 345858	6179 440182	30258 650314	90940	175079	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	+++++ 581688	+++++ 741967	40699 1103450	134065	281104	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	+++++ 268224	4017 334604	19876 492424	66487	130861	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 200053	+++++ 262699	12151 389932	43810	91122	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	+++++ 133297	+++++ 175750	10032 246075	32334	61943	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	+++++ 694271	10072 891461	50364 1237511	167307	335725	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	+++++ 468322	5687 614340	32940 841889	108423	224849	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Qua1	606	1451	9837	40727	86746	0.125	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			203169	276026	402835			12.5	20.0	30.0		
Phenanthrene	PHN	Ave	14030 1557854	26196 1990167	131479 2836347	395710	768822	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	12546 1607770	25319 2062813	124666 2937635	399434	776715	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	+++++ 1402350	19342 1809142	110322 2604632	349741	697119	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	+++++ 424809	+++++ 552867	24994 814840	92348	190190	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	+++++ 1865233	+++++ 2420391	138904 3552704	437543	889333	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	+++++ 250130	+++++ 332831	13620 486325	55126	113822	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Qua1	+++++ 145948	1041 202091	6297 314806	24097	59197	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	+++++ 138203	1962 179678	10569 249506	34830	69994	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 182844	2789 233427	15042 340183	46253	85352	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	11375 1569100	22129 2016904	121767 2945974	383854	767452	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 3080288	+++++ 4268369	229621 5932533	757081	1588256	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	13796 1570335	26966 2047868	133164 2992165	401845	809934	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	+++++ 260974	2836 348727	16290 508834	59523	128796	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	+++++ 516972	+++++ 698255	34618 1027465	123236	261781	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 879716	+++++ 1183134	62605 1683081	202688	455712	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Butylbenzylphthalate	PYR10	Ave	+++++ 767137	+++++ 1042181	54277 1553846	180367	381266	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 574919	+++++ 801296	31446 1258529	118419	289755	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	+++++ 534536	6196 709601	37856 1093468	122282	265315	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	9484 1322618	17990 1745099	101384 2673541	320362	669430	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	1260 255648	2904 338150	19090 522267	58647	127376	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	9535	19061	108514	334853	690713	0.125	0.250	1.25	3.75	7.50

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
			1346925	1793347	2660375			12.5	20.0	30.0		
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 1048009	+++++ 1437419	71296 2196169	236305	523174	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	6801 921799	10996 1233176	71300 1880115	217204	462660	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	+++++ 1831793	+++++ 2562513	112013 3939729	398207	911995	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	9998 1453124	18179 1881240	99849 3103283	348688	725694	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	+++++ 630638	7729 860760	46598 1338444	145780	307739	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	9027 1482347	19295 1951178	113216 2952560	325675	732190	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	8529 1417478	17088 1882898	104966 3015653	315407	708249	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	+++++ 715857	8454 925013	46491 1495457	150410	341431	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	+++++ 1218494	+++++ 1581578	71483 2482486	252494	585364	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	+++++ 1289047	+++++ 1692273	82767 2644997	280008	624655	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	7946 1433970	15444 1948032	94320 2972503	309067	700185	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	8985 1490276	16758 1960818	97114 3040272	310043	724908	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	9583 1579409	17230 2023278	103961 3091570	344499	770581	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	+++++ 1491288	23863 1965796	121367 2927982	384201	776328	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	15412 1999258	29947 2541118	159113 3830391	495625	1014235	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	+++++ 1837149	28617 2298768	149562 3413449	462280	920424	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	+++++ 2454832	42692 3092738	207472 4403626	622451	1215815	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	+++++ 364707	4905 456771	26750 651340	88535	175951	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	+++++ 2120476	32498 2804887	180136 4061323	542525	1072726	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1 Analy Batch No.: 72438

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2020 15:02 Calibration End Date: 12/03/2020 18:43 Calibration ID: 16676

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua1 = Quadratic 1/conc ISTD

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0121.D
Lims ID: ICIS L5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 03-Dec-2020 15:02:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0016969-002
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub7

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 03-Dec-2020 21:41:42 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: beckk Date: 03-Dec-2020 15:40:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.275	2.275	0.000	98	194285	7.50	7.76	
3 N-Nitrosodimethylamine	74	2.831	2.831	0.000	96	303224	7.50	7.91	
4 Pyridine	79	2.887	2.887	0.000	93	549443	7.50	7.82	
8 2-Picoline	93	4.078	4.078	0.000	94	493348	7.50	7.70	
10 N-Nitrosomethylethylamine	88	4.260	4.260	0.000	96	210906	7.50	7.47	
11 Methyl methanesulfonate	80	4.714	4.714	0.000	86	216178	7.50	7.78	
$ 12 2-Fluorophenol	112	4.963	4.963	0.000	95	776328	15.0	15.5	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	90	184102	7.50	7.81	
15 Ethyl methanesulfonate	109	5.746	5.746	0.000	95	198008	7.50	7.69	
19 Benzaldehyde	77	6.211	6.211	0.000	92	395083	7.50	8.33	
$ 20 Phenol-d5	99	6.336	6.336	0.000	96	1014235	15.0	15.7	
21 Phenol	94	6.347	6.347	0.000	97	589778	7.50	7.76	
23 Aniline	93	6.370	6.370	0.000	96	682168	7.50	7.76	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	92	443441	7.50	7.56	
S 46 Dinitrotoluene	165				0		15.0	15.8	
25 2-Chlorophenol	128	6.540	6.540	0.000	96	386089	7.50	7.91	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	95	397351	7.50	7.63	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	97	162823	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	90	405769	7.50	7.72	
30 Benzyl alcohol	108	7.073	7.073	0.000	90	252164	7.50	7.63	
31 1,2-Dichlorobenzene	146	7.096	7.096	0.000	95	396729	7.50	7.90	
34 Indene	115	7.232	7.232	0.000	90	549934	7.50	7.71	
33 2-Methylphenol	108	7.255	7.255	0.000	97	364990	7.50	7.85	
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	93	758587	7.50	7.68	
36 N-Nitrosopyrrolidine	100	7.436	7.436	0.000	90	194189	7.50	7.65	
38 Acetophenone	105	7.470	7.470	0.000	94	581687	7.50	7.86	
39 N-Nitrosodi-n-propylamine	70	7.493	7.493	0.000	88	322264	7.50	7.62	
37 4-Methylphenol	108	7.493	7.493	0.000	89	409975	7.50	7.90	
40 N-Nitrosomorpholine	56	7.504	7.504	0.000	92	282089	7.50	7.50	
41 2-Toluidine	106	7.527	7.527	0.000	90	608785	7.50	7.65	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.606	7.606	0.000	95	190803	7.50	7.69	
$ 43 Nitrobenzene-d5	82	7.686	7.686	0.000	90	920424	15.0	15.3	
44 Nitrobenzene	77	7.720	7.720	0.000	89	474101	7.50	7.54	
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	83	177220	7.50	7.54	
47 Isophorone	82	8.106	8.106	0.000	99	762716	7.50	7.66	
48 2-Nitrophenol	139	8.208	8.208	0.000	94	171455	7.50	7.70	
49 2,4-Dimethylphenol	107	8.310	8.310	0.000	98	375668	7.50	7.80	
50 Benzoic acid	105	8.423	8.423	0.000	89	218585	10.0	9.03	M
51 o,o',o''-Triethylphosphorothioat	198	8.435	8.435	0.000	95	133966	7.50	7.58	
52 Bis(2-chloroethoxy)methane	93	8.469	8.469	0.000	95	521552	7.50	7.97	
54 2,4-Dichlorophenol	162	8.582	8.582	0.000	97	268019	7.50	7.74	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	93	299720	7.50	7.62	
* 56 Naphthalene-d8	136	8.798	8.798	0.000	99	617481	5.00	5.00	
57 Naphthalene	128	8.832	8.832	0.000	98	1038907	7.50	7.64	
58 4-Chloroaniline	127	8.934	8.934	0.000	94	397641	7.50	7.73	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	87	256475	7.50	7.80	
61 Hexachloropropene	213	8.979	8.979	0.000	94	159375	7.50	7.65	
62 Hexachlorobutadiene	225	9.047	9.047	0.000	96	162223	7.50	7.50	
63 Quinoline	129	9.365	9.365	0.000	95	600486	7.50	7.62	
64 Caprolactam	113	9.456	9.456	0.000	75	94001	7.50	7.58	
65 N-Nitrosodi-n-butylamine	84	9.501	9.501	0.000	94	254456	7.50	6.92	
S 60 Diallate	86				0		7.50	7.46	
67 4-Chloro-3-methylphenol	107	9.728	9.728	0.000	95	291527	7.50	7.70	
68 Safrole, Total	162	9.830	9.830	0.000	85	224498	7.50	7.47	
69 2-Methylnaphthalene	142	9.943	9.943	0.000	92	627258	7.50	7.58	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	93	595028	7.50	7.63	
71 Hexachlorocyclopentadiene	237	10.204	10.204	0.000	96	149483	7.50	7.68	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	98	258374	7.50	7.84	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	85	41062	1.20	1.26	
74 2,4,6-Trichlorophenol	196	10.397	10.397	0.000	95	163094	7.50	7.94	
76 2,4,5-Trichlorophenol	196	10.442	10.442	0.000	91	180268	7.50	8.25	
$ 77 2-Fluorobiphenyl (Surr)	172	10.556	10.556	0.000	99	1215815	15.0	15.5	
78 Isosafrole Peak 2	162	10.658	10.658	0.000	88	220015	6.30	6.70	
81 2-Chloronaphthalene	162	10.715	10.715	0.000	96	544583	7.50	7.57	M
80 1,1'-Biphenyl	154	10.703	10.703	0.000	96	738909	7.50	7.86	
82 1-Chloronaphthalene	162	10.737	10.737	0.000	96	541150	7.50	8.01	Ma
84 2-Nitroaniline	138	10.896	10.896	0.000	84	178708	7.50	7.88	
83 Phenyl ether	170	10.885	10.885	0.000	90	354613	7.50	7.80	
85 1,4-Naphthoquinone	158	11.010	11.010	0.000	84	220229	7.50	7.84	
86 1,4-Dinitrobenzene	168	11.134	11.134	0.000	87	74734	7.50	7.64	
S 79 Isosafrole	162				0		7.50	7.96	
87 Dimethyl phthalate	163	11.225	11.225	0.000	95	541212	7.50	7.64	
89 1,3-Dinitrobenzene	168	11.248	11.248	0.000	80	85775	7.50	7.69	
90 2,6-Dinitrotoluene	165	11.305	11.305	0.000	89	124214	7.50	7.86	
91 Acenaphthylene	152	11.373	11.373	0.000	99	753759	7.50	7.88	
92 3-Nitroaniline	138	11.543	11.543	0.000	89	147717	7.50	8.14	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	97	243897	5.00	5.00	
94 Acenaphthene	153	11.634	11.634	0.000	96	541390	7.50	7.79	
95 2,4-Dinitrophenol	184	11.702	11.702	0.000	78	76422	10.0	9.37	
97 4-Nitrophenol	109	11.815	11.815	0.000	94	104126	7.50	7.64	
99 Pentachlorobenzene	250	11.826	11.826	0.000	97	220105	7.50	7.80	
101 Dibenzofuran	168	11.883	11.883	0.000	95	709889	7.50	7.84	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.895	11.895	0.000	88	161146	7.50	7.90	
102 1-Naphthylamine	143	11.997	11.997	0.000	99	561599	7.50	7.78	
103 2,3,4,6-Tetrachlorophenol	232	12.065	12.065	0.000	77	118895	7.50	8.03	
104 2-Naphthylamine	143	12.099	12.099	0.000	96	561312	7.50	7.88	
105 Diethyl phthalate	149	12.246	12.246	0.000	97	545531	7.50	7.63	
107 Fluorene	166	12.337	12.337	0.000	94	550842	7.50	7.75	
106 Thionazin	107	12.337	12.337	0.000	75	117432	7.50	7.60	
110 N-Nitro-o-toluidine	152	12.360	12.360	0.000	68	157814	7.50	8.09	
109 4-Chlorophenyl phenyl ether	204	12.360	12.360	0.000	87	255547	7.50	7.99	
108 4-Nitroaniline	138	12.360	12.360	0.000	75	152841	7.50	8.09	
111 4,6-Dinitro-2-methylphenol	198	12.405	12.405	0.000	77	72229	7.50	6.92	
112 N-Nitrosodiphenylamine	169	12.496	12.496	0.000	65	432130	7.50	7.70	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	42	818376	7.50	7.88	
$ 114 2,4,6-Tribromophenol	330	12.621	12.621	0.000	94	175951	15.0	16.1	
115 Sulfotepp	97	12.723	12.723	0.000	77	116265	7.50	7.64	
116 cis-Diallate	86	12.859	12.859	0.000	94	219724	5.55	5.55	
117 Phorate	75	12.870	12.870	0.000	95	449191	7.50	7.93	
118 Phenacetin	108	12.881	12.881	0.000	86	288278	7.50	7.98	
119 4-Bromophenyl phenyl ether	248	12.938	12.938	0.000	76	148300	7.50	7.76	
120 trans-Diallate	86	12.961	12.961	0.000	94	77121	1.95	1.91	
121 Hexachlorobenzene	284	12.984	12.984	0.000	92	175079	7.50	7.58	
122 Dimethoate	87	13.063	13.063	0.000	98	281104	7.50	7.80	
123 Atrazine	200	13.165	13.165	0.000	82	130861	7.50	7.90	
124 Pentachlorophenol	266	13.244	13.244	0.000	93	91122	7.50	7.56	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	88	61943	7.50	7.39	
125 4-Aminobiphenyl	169	13.256	13.256	0.000	91	335725	7.50	7.92	
127 Pronamide	173	13.358	13.358	0.000	91	224849	7.50	8.08	
* 128 Phenanthrene-d10	188	13.471	13.471	0.000	97	418464	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	93	86746	7.50	7.15	
130 Phenanthrene	178	13.505	13.505	0.000	98	768822	7.50	7.58	
131 Anthracene	178	13.573	13.573	0.000	98	776715	7.50	7.73	
132 Carbazole	167	13.789	13.789	0.000	96	697119	7.50	7.98	
133 Methyl parathion	109	13.993	13.993	0.000	90	190190	7.50	7.52	
134 Di-n-butyl phthalate	149	14.299	14.299	0.000	100	889333	7.50	7.59	
135 Ethyl Parathion	109	14.538	14.538	0.000	81	113822	7.50	7.63	
136 4-Nitroquinoline-1-oxide	190	14.549	14.549	0.000	81	59197	7.50	7.19	
137 Octachlorostyrene	308	14.889	14.889	0.000	93	69994	7.50	8.12	
138 Isodrin	193	14.935	14.935	0.000	91	85352	7.50	7.41	
139 Fluoranthene	202	15.150	15.150	0.000	99	767452	7.50	7.96	
140 Benzidine	184	15.389	15.389	0.000	100	1588256	22.5	23.6	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	98	370549	5.00	5.00	
142 Pyrene	202	15.491	15.491	0.000	95	809934	7.50	7.71	
$ 143 p-Terphenyl-d14	244	15.786	15.786	0.000	97	1072726	15.0	15.4	
144 p-Dimethylamino azobenzene	225	16.012	16.012	0.000	92	128796	7.50	8.30	
145 Chlorobenzilate	139	16.103	16.103	0.000	85	261781	7.50	7.90	
146 3,3'-Dimethylbenzidine	212	16.580	16.580	0.000	99	455712	7.50	8.08	
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	96	381266	7.50	7.70	
148 2-Acetylaminofluorene	181	16.988	16.988	0.000	96	289755	7.50	8.07	
150 3,3'-Dichlorobenzidine	252	17.499	17.499	0.000	62	265315	7.50	8.10	
149 Benzo[a]anthracene	228	17.510	17.510	0.000	99	669430	7.50	8.07	
151 4,4'-Methylene bis(2-chloroani	231	17.521	17.521	0.000	95	127376	7.50	8.48	
152 Chrysene	228	17.567	17.567	0.000	97	690713	7.50	8.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	97	523174	7.50	7.77	
154 6-Methylchrysene	242	18.372	18.372	0.000	99	462660	7.50	8.09	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	99	911995	7.50	7.64	
156 Benzo[b]fluoranthene	252	19.359	19.359	0.000	98	725694	7.50	7.74	
157 7,12-Dimethylbenz(a)anthracene	256	19.359	19.359	0.000	89	307739	7.50	7.45	
158 Benzo[k]fluoranthene	252	19.404	19.404	0.000	99	732190	7.50	7.77	
159 Benzo[a]pyrene	252	19.881	19.881	0.000	80	708249	7.50	7.87	
* 160 Perylene-d12	264	19.972	19.972	0.000	96	378790	5.00	5.00	
161 3-Methylcholanthrene	268	20.459	20.459	0.000	94	341431	7.50	7.66	
162 Dibenz[a,h]acridine	279	21.276	21.276	0.000	91	585364	7.50	7.69	
163 Dibenz[a,j]acridine	279	21.344	21.344	0.000	96	624655	7.50	7.56	
164 Indeno[1,2,3-cd]pyrene	276	21.582	21.582	0.000	98	700185	7.50	8.03	
165 Dibenz(a,h)anthracene	278	21.628	21.628	0.000	94	724908	7.50	7.99	
166 Benzo[g,h,i]perylene	276	21.968	21.968	0.000	96	770581	7.50	8.04	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_5_00009 Amount Added: 1.00 Units: mL

Report Date: 03-Dec-2020 21:41:45 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0121.D

Injection Date: 03-Dec-2020 15:02:30 Instrument ID: HP23264 Operator ID: knb25316

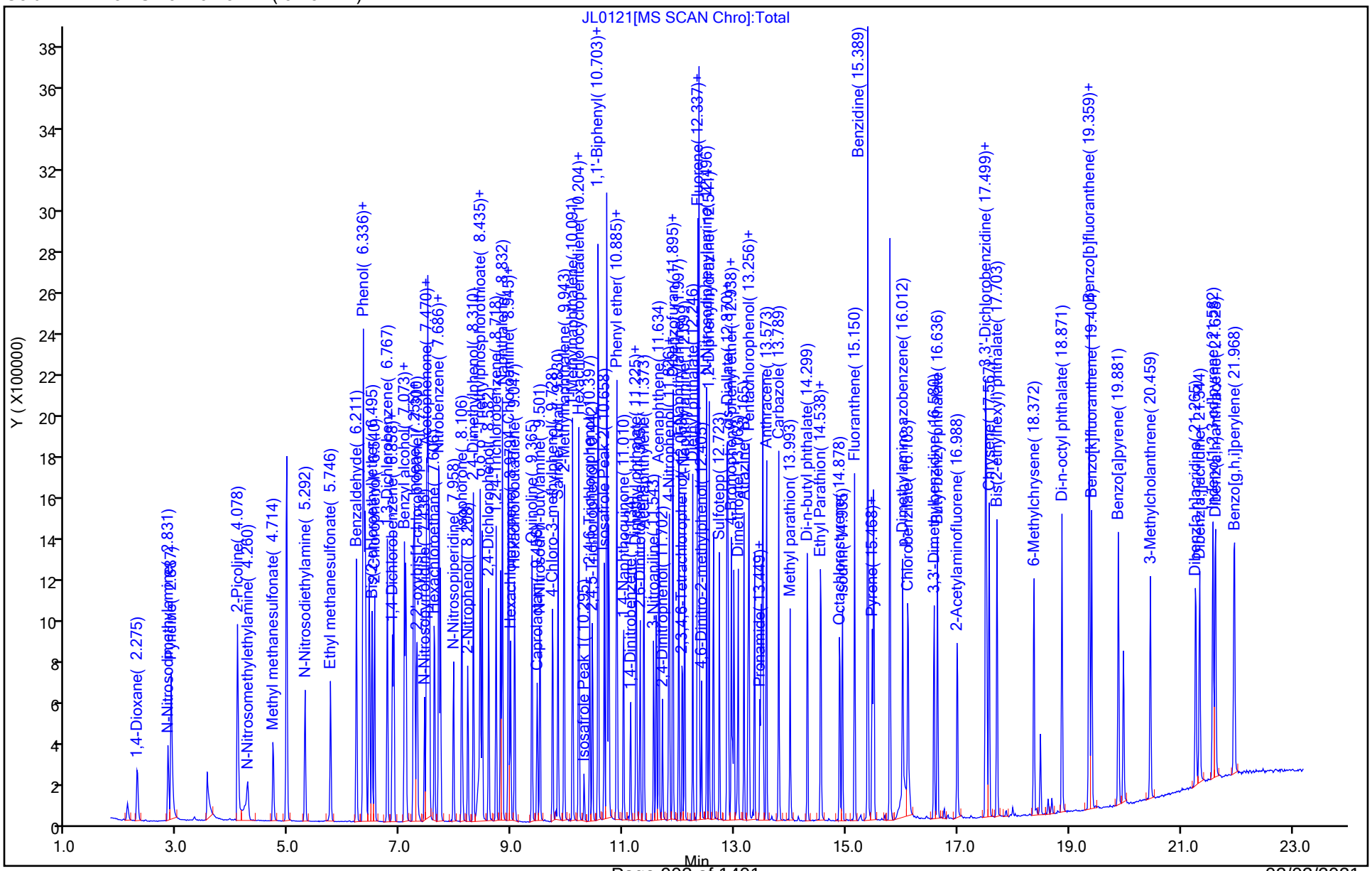
Lims ID: ICIS L5 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

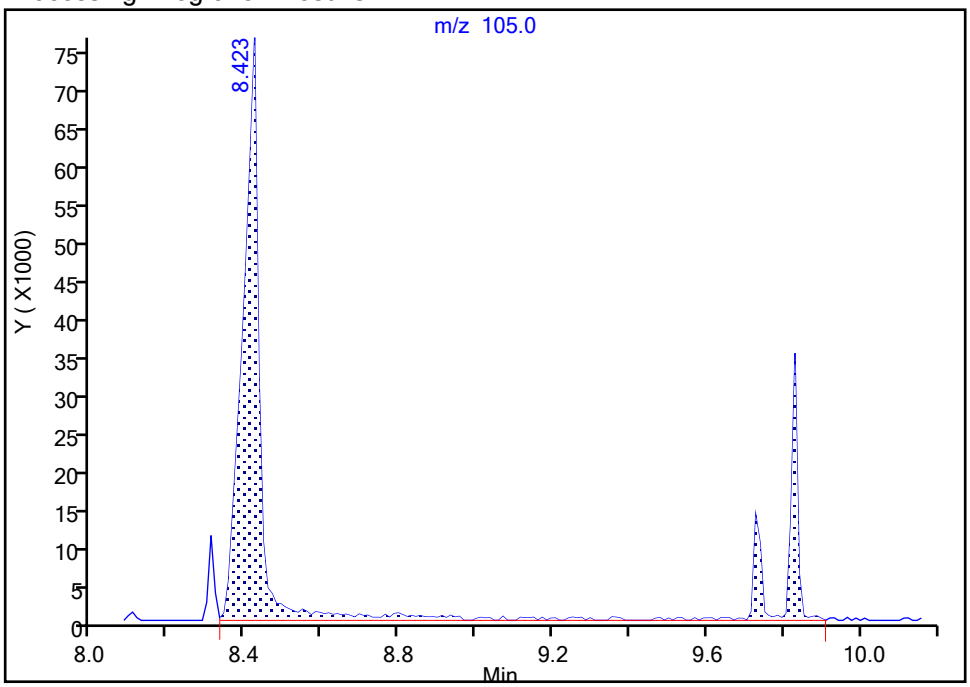
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Injection Date:	03-Dec-2020 15:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

50 Benzoic acid, CAS: 65-85-0

Signal: 1

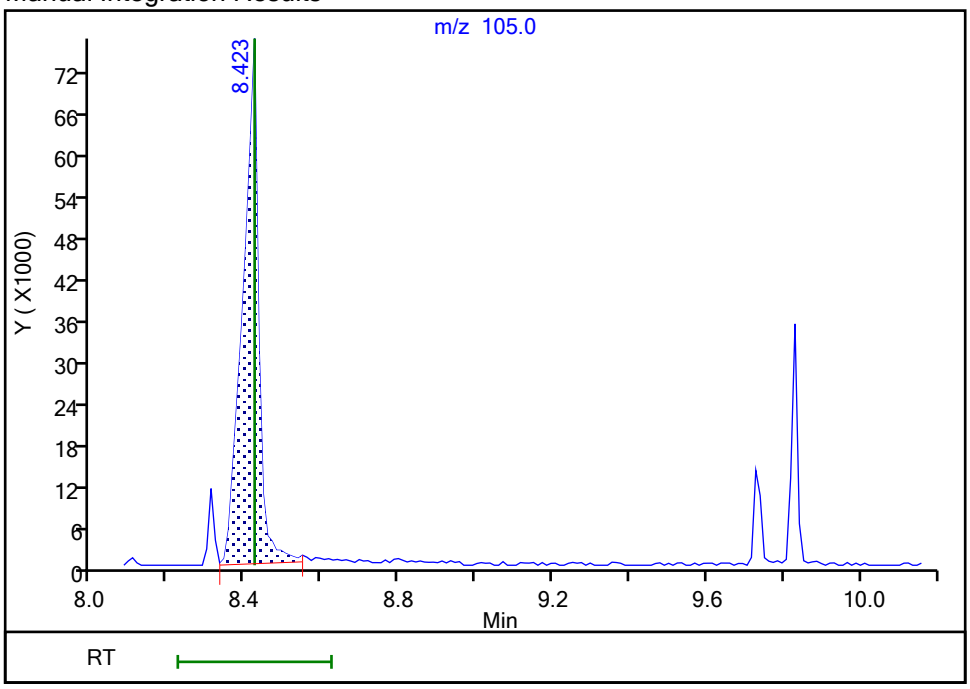
Processing Integration Results

RT: 8.42
Area: 304015
Amount: 10.000000
Amount Units: ug/ml



Manual Integration Results

RT: 8.42
Area: 218585
Amount: 9.033007
Amount Units: ug/ml



Reviewer: beckk, 03-Dec-2020 15:36:42
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

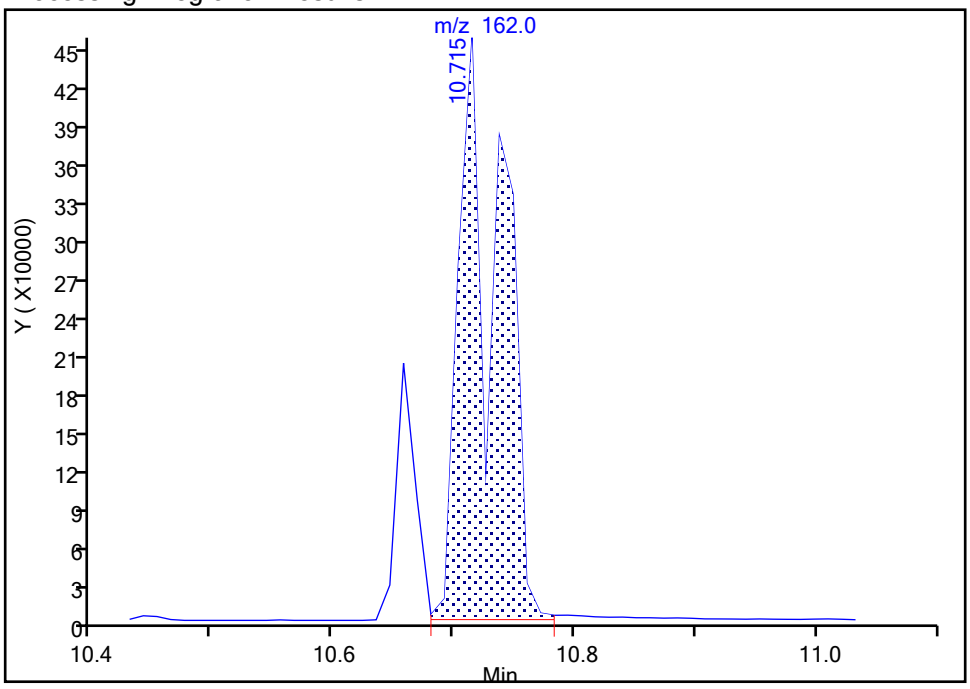
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Injection Date:	03-Dec-2020 15:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

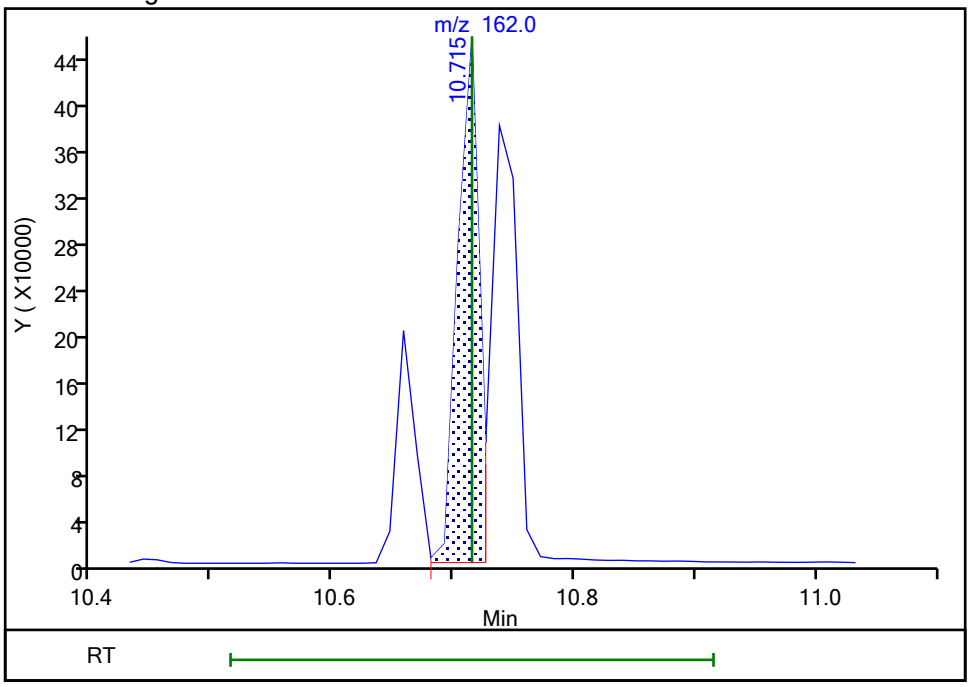
Processing Integration Results

RT: 10.71
Area: 1085734
Amount: 7.500000
Amount Units: ug/ml



Manual Integration Results

RT: 10.71
Area: 544583
Amount: 7.572017
Amount Units: ug/ml



Reviewer: beckk, 03-Dec-2020 15:37:41
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

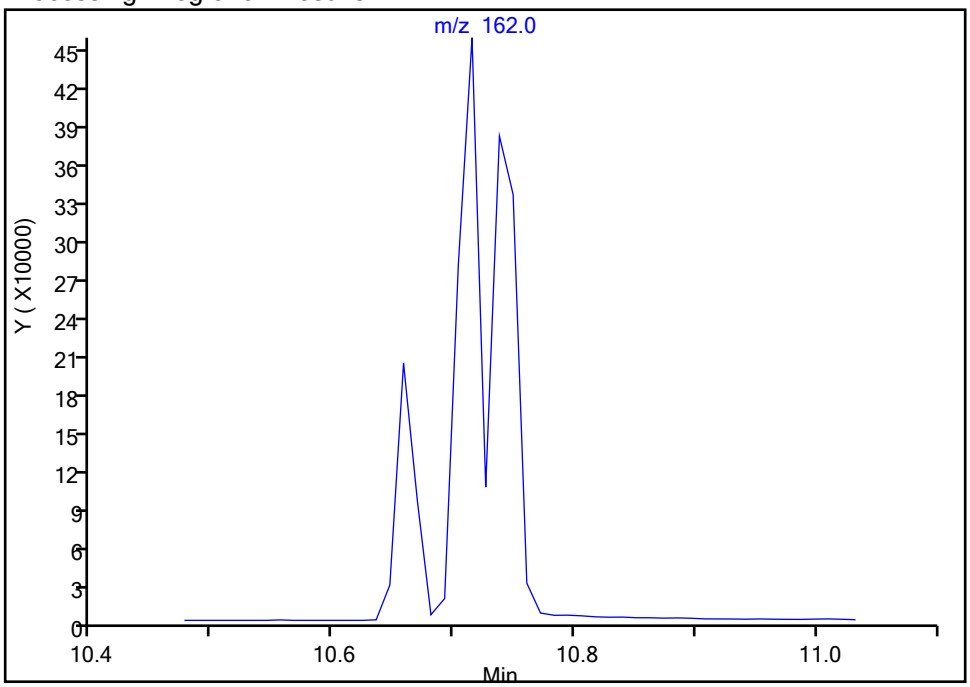
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Injection Date:	03-Dec-2020 15:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

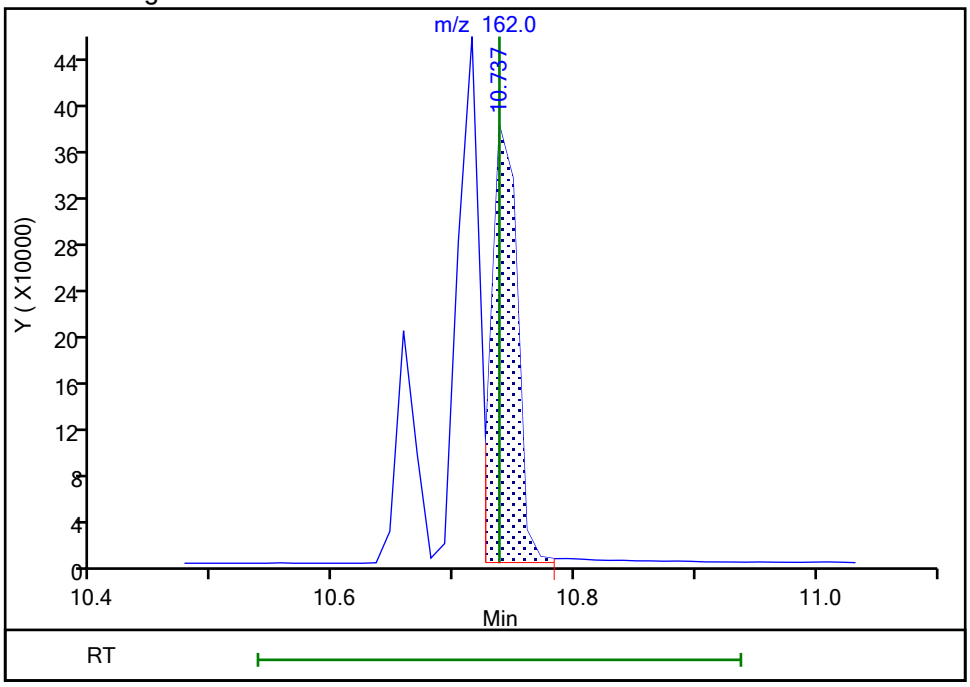
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.74
Area: 541150
Amount: 8.013551
Amount Units: ug/ml



Reviewer: beckk, 03-Dec-2020 15:37:48
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Dec-2020 15:42:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0016969-003
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub7

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 03-Dec-2020 21:41:57 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: luttek Date: 03-Dec-2020 18:58:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.297	2.297	0.000	90	3610	0.1250	0.1446	
3 N-Nitrosodimethylamine	74	2.876	2.876	0.000	76	4335	0.1250	0.1134	
4 Pyridine	79	2.955	2.955	0.000	86	9389	0.1250	0.1339	
8 2-Picoline	93	4.112	4.112	0.000	88	8150	0.1250	0.1274	
10 N-Nitrosomethylethylamine	88	4.271	4.271	0.000	48	6430	0.1250	0.2282	
11 Methyl methanesulfonate	80	4.725	4.725	0.000	84	3161	0.1250	0.1140	
$ 12 2-Fluorophenol	112	4.963	4.963	0.000	91	11374	0.2500	0.2282	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	89	2684	0.1250	0.1140	
15 Ethyl methanesulfonate	109	5.746	5.746	0.000	94	2996	0.1250	0.1166	
19 Benzaldehyde	77	6.211	6.211	0.000	92	7467	0.1250	0.1578	
$ 20 Phenol-d5	99	6.324	6.324	0.000	95	15412	0.2500	0.2392	
21 Phenol	94	6.347	6.347	0.000	87	8321	0.1250	0.1097	
23 Aniline	93	6.370	6.370	0.000	96	10152	0.1250	0.1157	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	88	6667	0.1250	0.1139	
S 46 Dinitrotoluene	165				0		0.2500	0.1908	
25 2-Chlorophenol	128	6.540	6.540	0.000	90	5188	0.1250	0.1065	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	92	6144	0.1250	0.1182	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	98	162492	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	90	6274	0.1250	0.1196	
30 Benzyl alcohol	108	7.073	7.073	0.000	86	3589	0.1250	0.1088	
31 1,2-Dichlorobenzene	146	7.096	7.096	0.000	94	6654	0.1250	0.1328	
34 Indene	115	7.232	7.232	0.000	90	8454	0.1250	0.1188	
33 2-Methylphenol	108	7.255	7.255	0.000	94	5139	0.1250	0.1108	a
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	94	12500	0.1250	0.1269	
36 N-Nitrosopyrrolidine	100	7.436	7.436	0.000	90	3050	0.1250	0.1204	
38 Acetophenone	105	7.470	7.470	0.000	95	8652	0.1250	0.1171	
39 N-Nitrosodi-n-propylamine	70	7.481	7.481	0.000	86	5266	0.1250	0.1247	
37 4-Methylphenol	108	7.493	7.493	0.000	83	6379	0.1250	0.1231	
40 N-Nitrosomorpholine	56	7.504	7.504	0.000	94	4586	0.1250	0.1221	
41 2-Toluidine	106	7.516	7.516	0.000	96	9394	0.1250	0.1183	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.606	7.606	0.000	89	3004	0.1250	0.1214	
$ 43 Nitrobenzene-d5	82	7.686	7.686	0.000	89	14639	0.2500	0.2459	M
44 Nitrobenzene	77	7.720	7.720	0.000	87	8156	0.1250	0.1308	
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	84	2293	0.1250	0.0984	
47 Isophorone	82	8.094	8.094	0.000	97	11474	0.1250	0.1162	
48 2-Nitrophenol	139	8.208	8.208	0.000	89	2386	0.1250	0.1081	
49 2,4-Dimethylphenol	107	8.310	8.310	0.000	96	5801	0.1250	0.1214	
50 Benzoic acid	105	8.366	8.366	0.000	87	9222	1.25	2.22	M
51 o,o',o''-Triethylphosphorothioat	198	8.434	8.434	0.000	88	2136	0.1250	0.1219	
52 Bis(2-chloroethoxy)methane	93	8.468	8.468	0.000	93	7639	0.1250	0.1176	
54 2,4-Dichlorophenol	162	8.582	8.582	0.000	93	3730	0.1250	0.1087	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	92	4706	0.1250	0.1206	
* 56 Naphthalene-d8	136	8.797	8.797	0.000	99	612356	5.00	5.00	
57 Naphthalene	128	8.831	8.831	0.000	95	16824	0.1250	0.1248	
58 4-Chloroaniline	127	8.934	8.934	0.000	85	5364	0.1250	0.1052	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	82	4139	0.1250	0.1269	
61 Hexachloropropene	213	8.979	8.979	0.000	91	2596	0.1250	0.1256	
62 Hexachlorobutadiene	225	9.058	9.058	0.000	86	2445	0.1250	0.1139	
63 Quinoline	129	9.353	9.353	0.000	95	9638	0.1250	0.1233	
64 Caprolactam	113	9.444	9.444	0.000	77	1486	0.1250	0.1208	
65 N-Nitrosodi-n-butylamine	84	9.501	9.501	0.000	83	4709	0.1250	0.1292	
S 60 Diallate	86				0		0.1250	0.1273	
67 4-Chloro-3-methylphenol	107	9.728	9.728	0.000	92	3868	0.1250	0.1030	
68 Safrole, Total	162	9.830	9.830	0.000	82	3270	0.1250	0.1097	
69 2-Methylnaphthalene	142	9.943	9.943	0.000	91	9960	0.1250	0.1214	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	92	9057	0.1250	0.1170	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	90	4016	0.1250	0.1155	
71 Hexachlorocyclopentadiene	237	10.204	10.204	0.000	67	1766	0.1250	0.0861	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	1	659	0.0200	0.0192	
74 2,4,6-Trichlorophenol	196	10.397	10.397	0.000	87	2095	0.1250	0.0967	
76 2,4,5-Trichlorophenol	196	10.442	10.442	0.000	88	2349	0.1250	0.1020	
$ 77 2-Fluorobiphenyl (Surr)	172	10.544	10.544	0.000	98	19396	0.2500	0.2341	
78 Isosafrole Peak 2	162	10.658	10.658	0.000	83	2986	0.1050	0.0863	
80 1,1'-Biphenyl	154	10.703	10.703	0.000	96	12033	0.1250	0.1214	
81 2-Chloronaphthalene	162	10.715	10.715	0.000	77	9140	0.1250	0.1206	M
82 1-Chloronaphthalene	162	10.737	10.737	0.000	96	7868	0.1250	0.1105	Ma
83 Phenyl ether	170	10.885	10.885	0.000	83	5825	0.1250	0.1215	
84 2-Nitroaniline	138	10.885	10.885	0.000	65	2306	0.1250	0.0965	
85 1,4-Naphthoquinone	158	11.010	11.010	0.000	76	2903	0.1250	0.0981	
86 1,4-Dinitrobenzene	168	11.134	11.134	0.000	88	1169	0.1250	0.1133	
S 79 Isosafrole	162				0		0.1250	0.1055	
87 Dimethyl phthalate	163	11.225	11.225	0.000	95	8045	0.1250	0.1077	
89 1,3-Dinitrobenzene	168	11.236	11.236	0.000	79	1130	0.1250	0.0961	
90 2,6-Dinitrotoluene	165	11.304	11.304	0.000	77	1361	0.1250	0.0817	
91 Acenaphthylene	152	11.373	11.373	0.000	98	11645	0.1250	0.1154	
92 3-Nitroaniline	138	11.543	11.543	0.000	85	2286	0.1250	0.1195	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	97	257095	5.00	5.00	
94 Acenaphthene	153	11.633	11.633	0.000	95	8871	0.1250	0.1211	
95 2,4-Dinitrophenol	184	11.702	11.702	0.000	80	4866	1.13	0.5663	
97 4-Nitrophenol	109	11.815	11.815	0.000	86	5297	0.6250	0.3689	
99 Pentachlorobenzene	250	11.826	11.826	0.000	89	3555	0.1250	0.1195	
101 Dibenzofuran	168	11.883	11.883	0.000	94	11614	0.1250	0.1217	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.894	11.894	0.000	62	2345	0.1250	0.1090	
102 1-Naphthylamine	143	11.996	11.996	0.000	96	8181	0.1250	0.1075	
103 2,3,4,6-Tetrachlorophenol	232	12.065	12.065	0.000	72	1597	0.1250	0.1023	
104 2-Naphthylamine	143	12.099	12.099	0.000	94	7939	0.1250	0.1057	
105 Diethyl phthalate	149	12.246	12.246	0.000	97	8526	0.1250	0.1131	
107 Fluorene	166	12.325	12.325	0.000	97	8966	0.1250	0.1196	
106 Thionazin	107	12.337	12.337	0.000	69	1965	0.1250	0.1206	
110 N-Nitro-o-toluidine	152	12.348	12.348	0.000	65	1586	0.1250	0.0772	
109 4-Chlorophenyl phenyl ether	204	12.359	12.359	0.000	88	3918	0.1250	0.1162	
108 4-Nitroaniline	138	12.359	12.359	0.000	73	1569	0.1250	0.0788	
111 4,6-Dinitro-2-methylphenol	198	12.405	12.405	0.000	78	3491	0.6250	0.3268	
112 N-Nitrosodiphenylamine	169	12.496	12.496	0.000	70	5923	0.1250	0.1031	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	42	12605	0.1250	0.1185	
$ 114 2,4,6-Tribromophenol	330	12.620	12.620	0.000	90	2732	0.2500	0.2367	
115 Sulfotepp	97	12.722	12.722	0.000	70	1644	0.1250	0.1055	
116 cis-Diallate	86	12.859	12.859	0.000	83	3856	0.0925	0.0951	
117 Phorate	75	12.870	12.870	0.000	87	6208	0.1250	0.1071	M
118 Phenacetin	108	12.881	12.881	0.000	83	3980	0.1250	0.1076	M
119 4-Bromophenyl phenyl ether	248	12.938	12.938	0.000	70	2398	0.1250	0.1225	
120 trans-Diallate	86	12.961	12.961	0.000	84	1331	0.0325	0.0322	M
121 Hexachlorobenzene	284	12.983	12.983	0.000	87	3171	0.1250	0.1341	
122 Dimethoate	87	13.051	13.051	0.000	92	2749	0.1250	0.0745	
123 Atrazine	200	13.165	13.165	0.000	1	1547	0.1250	0.0912	M
124 Pentachlorophenol	266	13.233	13.233	0.000	55	1120	0.1250	0.0907	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	49	747	0.1250	0.0871	
125 4-Aminobiphenyl	169	13.256	13.256	0.000	87	4755	0.1250	0.1096	
127 Pronamide	173	13.358	13.358	0.000	85	2583	0.1250	0.0907	
* 128 Phenanthrene-d10	188	13.471	13.471	0.000	97	428405	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	61	606	0.1250	0.1717	
130 Phenanthrene	178	13.505	13.505	0.000	94	14030	0.1250	0.1351	
131 Anthracene	178	13.573	13.573	0.000	97	12546	0.1250	0.1219	
132 Carbazole	167	13.789	13.789	0.000	95	10360	0.1250	0.1158	
133 Methyl parathion	109	13.993	13.993	0.000	87	1628	0.1250	0.0629	
134 Di-n-butyl phthalate	149	14.299	14.299	0.000	98	13005	0.1250	0.1084	
135 Ethyl Parathion	109	14.538	14.538	0.000	71	1226	0.1250	0.0803	
136 4-Nitroquinoline-1-oxide	190	14.549	14.549	0.000	70	279	0.1250	0.2427	
137 Octachlorostyrene	308	14.878	14.878	0.000	78	1145	0.1250	0.1297	
138 Isodrin	193	14.935	14.935	0.000	83	1914	0.1250	0.1624	M
139 Fluoranthene	202	15.150	15.150	0.000	97	11375	0.1250	0.1153	
140 Benzidine	184	15.388	15.388	0.000	100	65480	1.00	0.9551	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	98	377214	5.00	5.00	
142 Pyrene	202	15.490	15.490	0.000	96	13796	0.1250	0.1291	
$ 143 p-Terphenyl-d14	244	15.785	15.785	0.000	97	17548	0.2500	0.2481	
144 p-Dimethylamino azobenzene	225	16.012	16.012	0.000	86	1543	0.1250	0.0976	
145 Chlorobenzilate	139	16.103	16.103	0.000	84	3176	0.1250	0.0942	
146 3,3'-Dimethylbenzidine	212	16.579	16.579	0.000	96	5286	0.1250	0.0921	M
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	92	4641	0.1250	0.0921	M
148 2-Acetylaminofluorene	181	16.988	16.988	0.000	92	2657	0.1250	0.0727	
150 3,3'-Dichlorobenzidine	252	17.498	17.498	0.000	58	3202	0.1250	0.0960	
149 Benzo[a]anthracene	228	17.498	17.498	0.000	97	9484	0.1250	0.1123	
151 4,4'-Methylene bis(2-chloroani	231	17.532	17.532	0.000	78	1260	0.1250	0.0824	
152 Chrysene	228	17.566	17.566	0.000	95	9535	0.1250	0.1096	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	96	6225	0.1250	0.0908	
154 6-Methylchrysene	242	18.372	18.372	0.000	98	6801	0.1250	0.1168	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	98	9772	0.1250	0.0900	M
157 7,12-Dimethylbenz(a)anthracene	256	19.359	19.359	0.000	81	4618	0.1250	0.1230	
156 Benzo[b]fluoranthene	252	19.359	19.359	0.000	94	9998	0.1250	0.1172	
158 Benzo[k]fluoranthene	252	19.404	19.404	0.000	96	9027	0.1250	0.1054	M
159 Benzo[a]pyrene	252	19.881	19.881	0.000	81	8529	0.1250	0.1043	
* 160 Perylene-d12	264	19.971	19.971	0.000	96	344348	5.00	5.00	
161 3-Methylcholanthrene	268	20.459	20.459	0.000	90	4759	0.1250	0.1174	M
162 Dibenz[a,h]acridine	279	21.265	21.265	0.000	89	7819	0.1250	0.1130	
163 Dibenz[a,j]acridine	279	21.333	21.333	0.000	94	7586	0.1250	0.1010	M
164 Indeno[1,2,3-cd]pyrene	276	21.571	21.571	0.000	93	7946	0.1250	0.1002	M
165 Dibenz(a,h)anthracene	278	21.616	21.616	0.000	90	8985	0.1250	0.1090	
166 Benzo[g,h,i]perylene	276	21.957	21.957	0.000	95	9583	0.1250	0.1101	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00010 Amount Added: 1.00 Units: mL

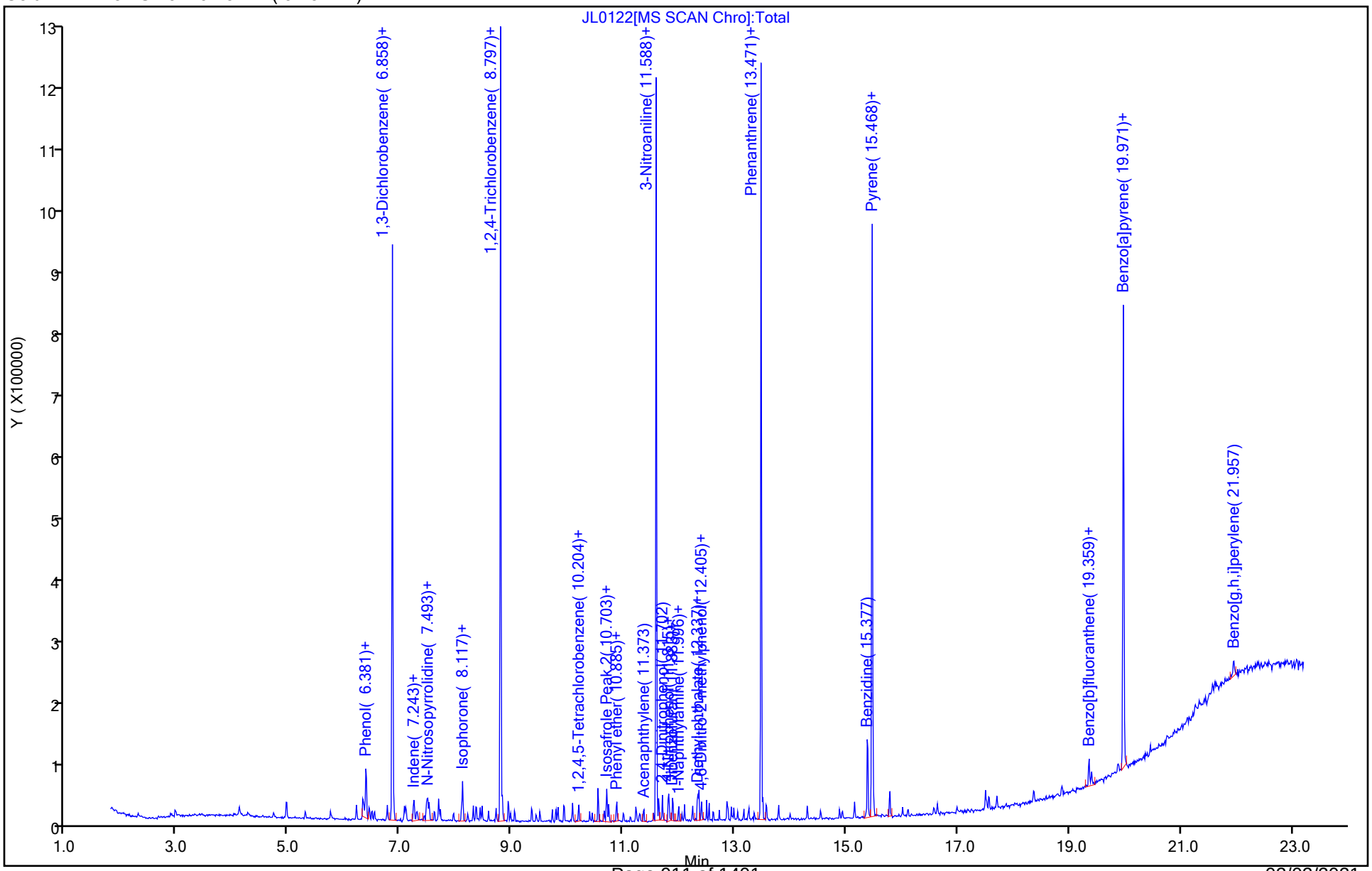
Report Date: 03-Dec-2020 21:42:00 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D

Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	IC L1			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

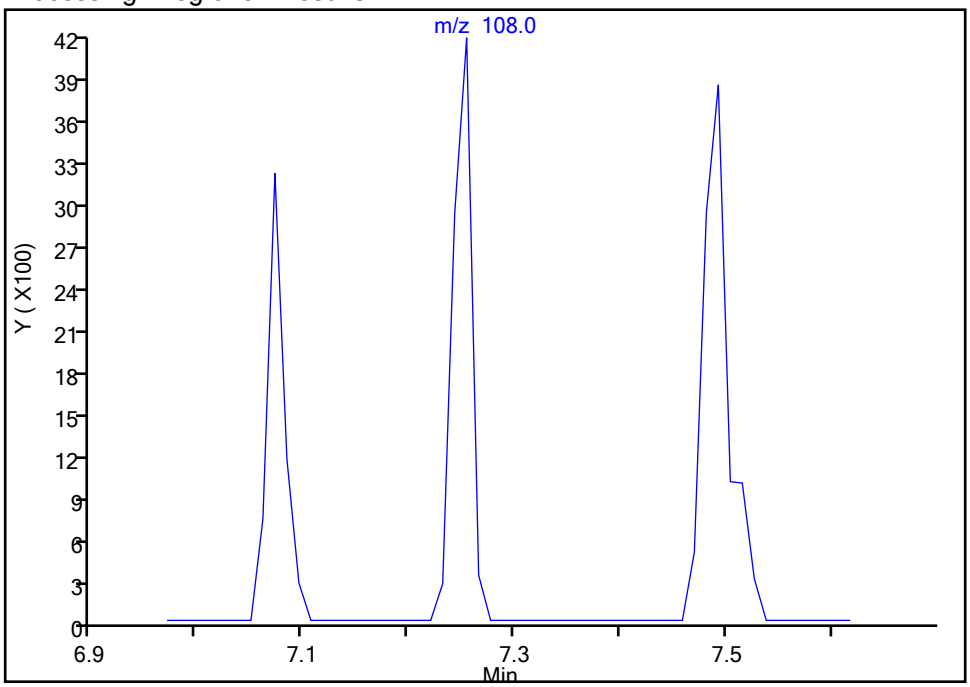
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Injection Date: 03-Dec-2020 15:42:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: knb25316 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

33 2-Methylphenol, CAS: 95-48-7

Signal: 1

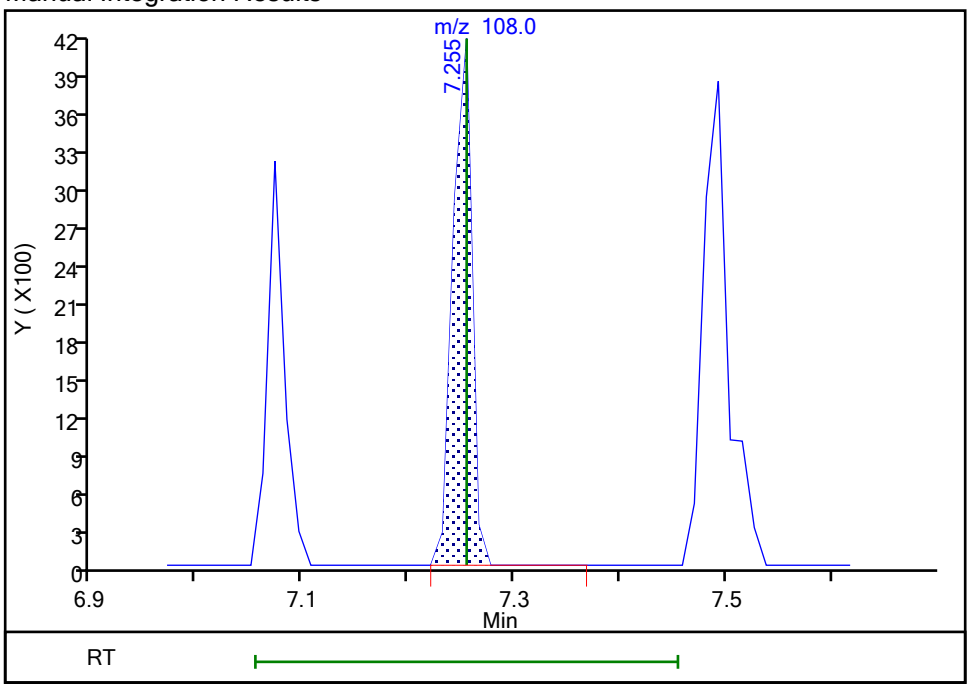
Not Detected
Expected RT: 7.25

Processing Integration Results



Manual Integration Results

RT: 7.25
Area: 5139
Amount: 0.110783
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:54:42
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

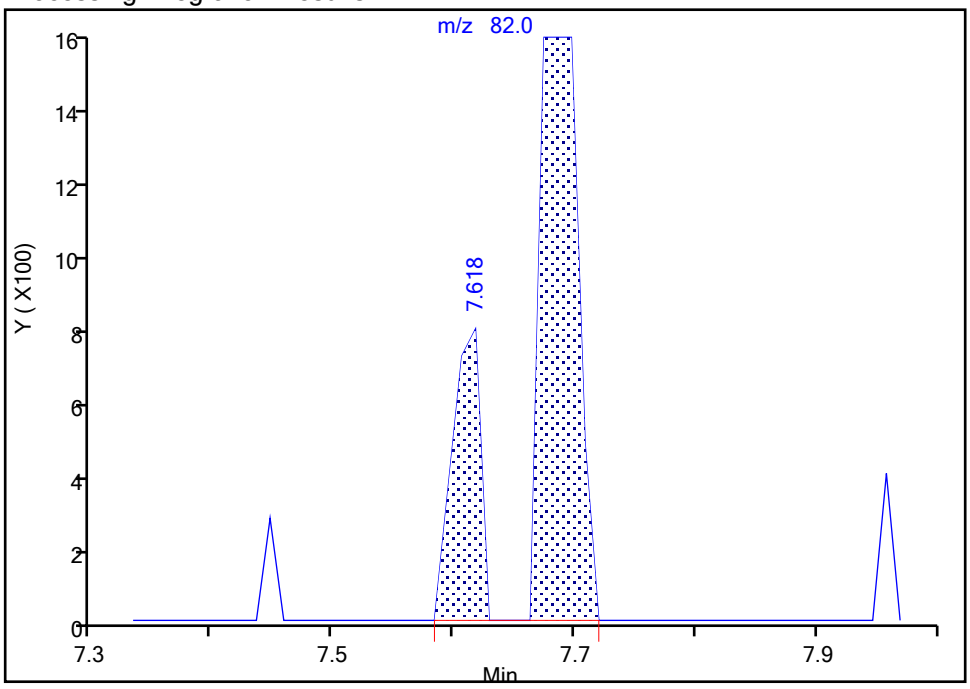
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Injection Date: 03-Dec-2020 15:42:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: knb25316 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

$ 43 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

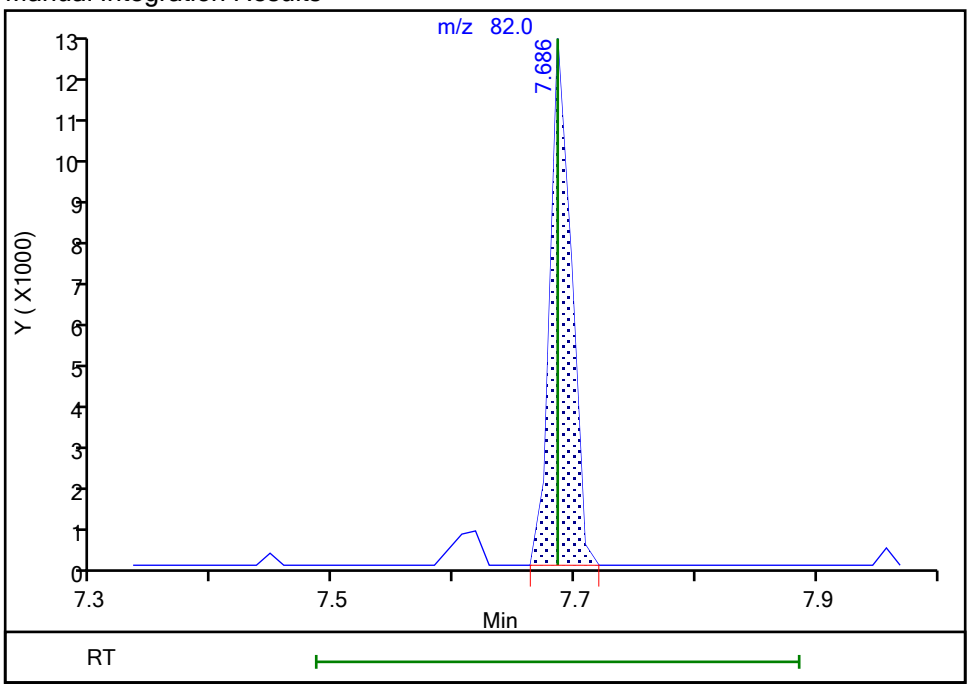
Processing Integration Results

RT: 7.62
Area: 15904
Amount: 0.263944
Amount Units: ug/ml



Manual Integration Results

RT: 7.69
Area: 14639
Amount: 0.245908
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:54:07
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

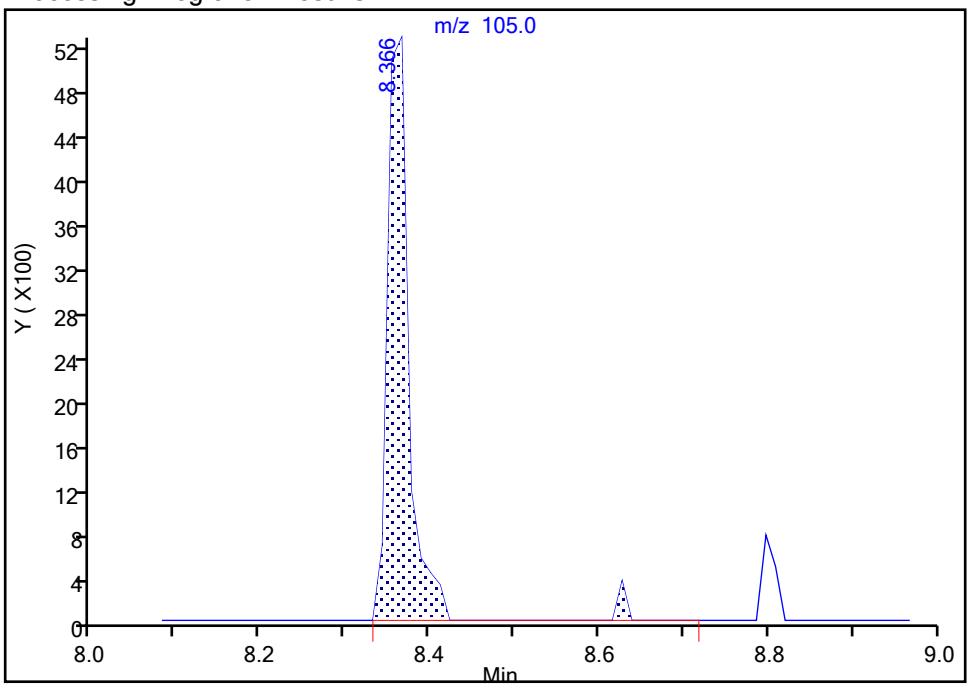
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Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

50 Benzoic acid, CAS: 65-85-0

Signal: 1

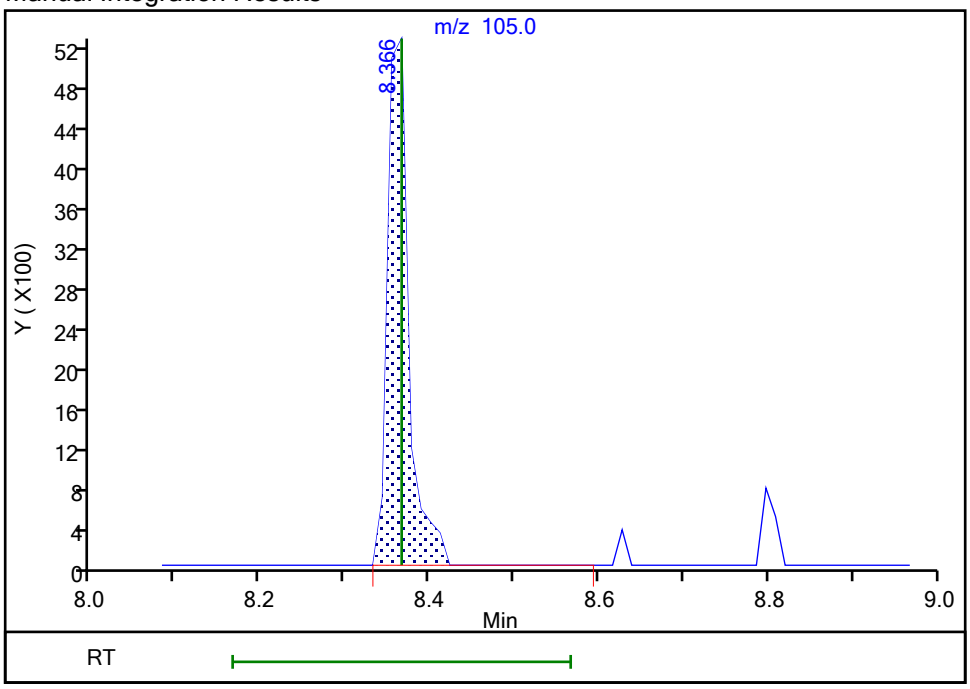
Processing Integration Results

RT: 8.37
Area: 9464
Amount: 1.271722
Amount Units: ug/ml



Manual Integration Results

RT: 8.37
Area: 9222
Amount: 2.217309
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:55:11
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

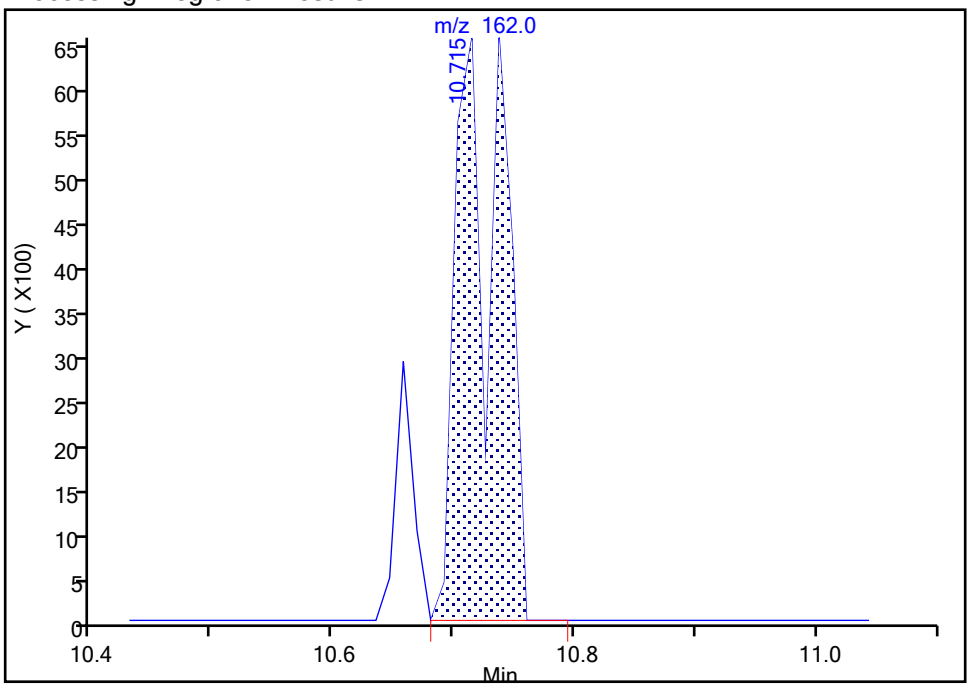
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D				
Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

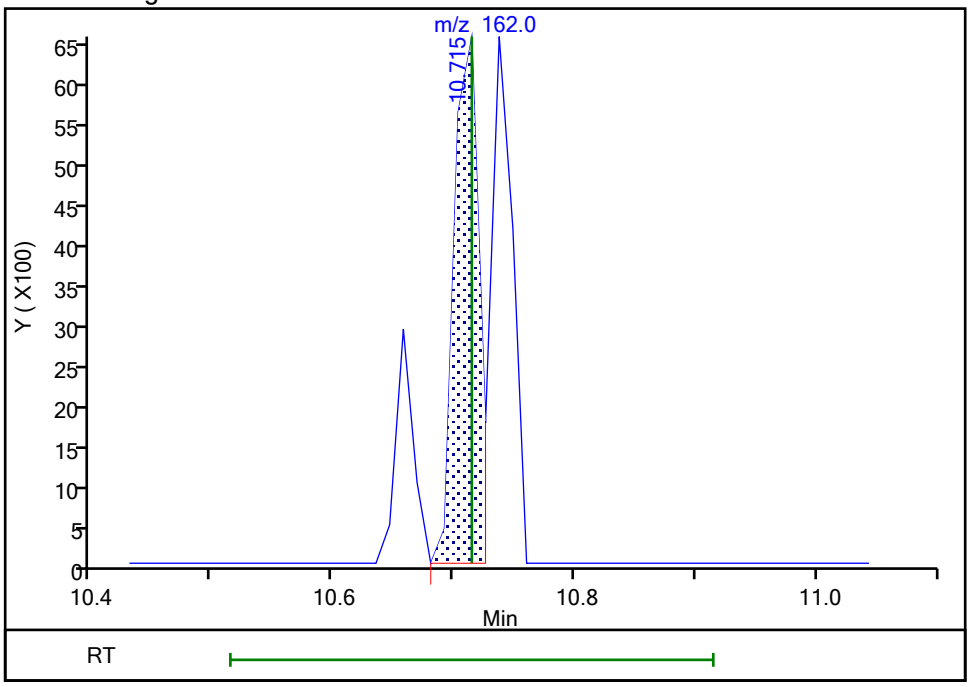
Processing Integration Results

RT: 10.71
Area: 17008
Amount: 0.154011
Amount Units: ug/ml



Manual Integration Results

RT: 10.71
Area: 9140
Amount: 0.120561
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:55:54
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

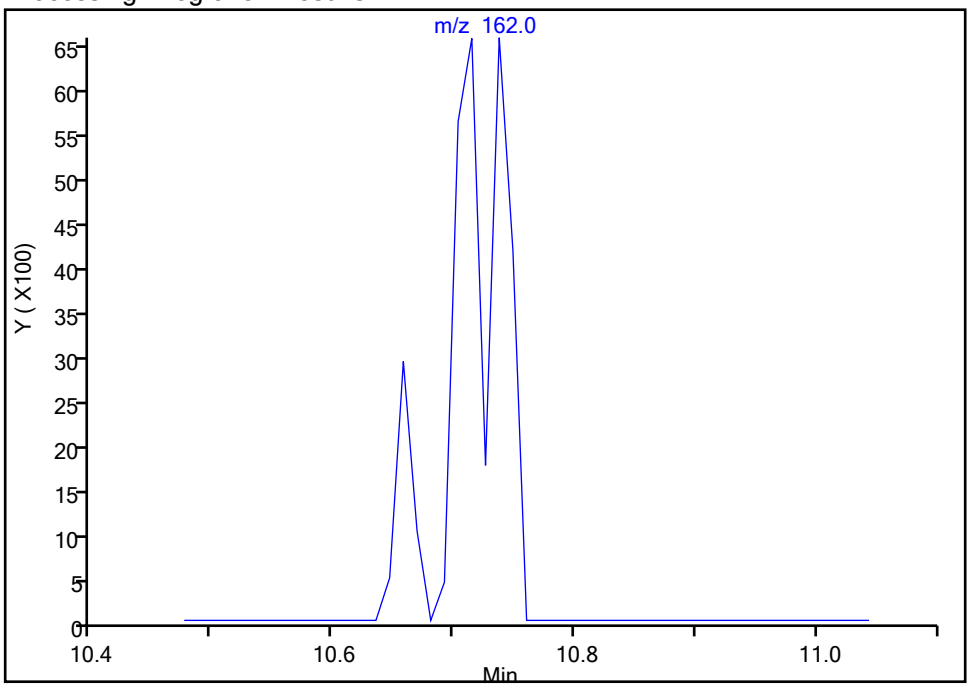
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D
Injection Date: 03-Dec-2020 15:42:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: knb25316 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

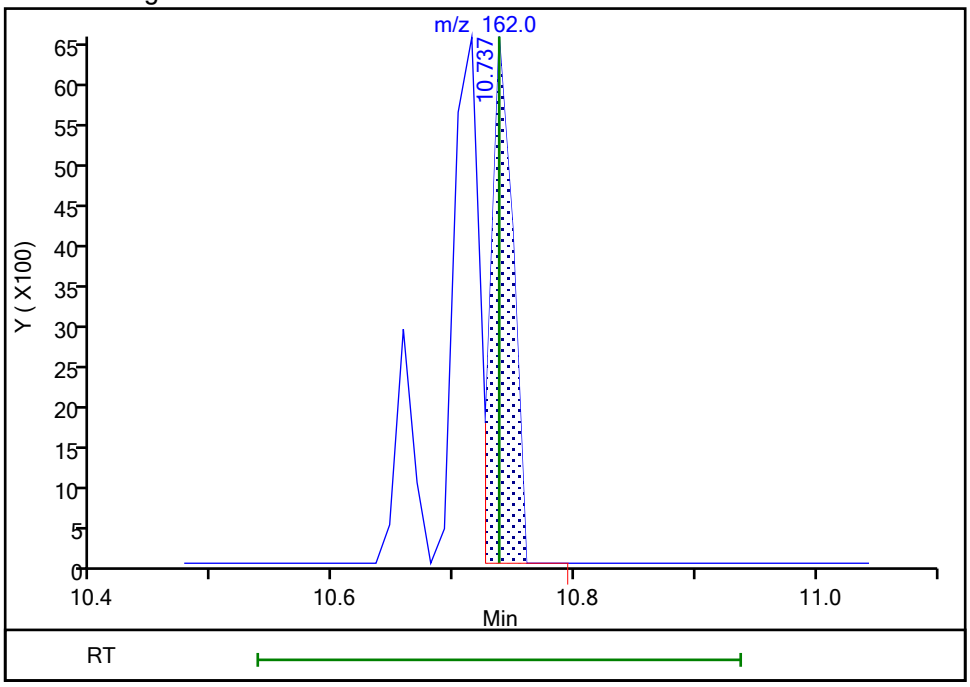
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.74
Area: 7868
Amount: 0.110531
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:56:05
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

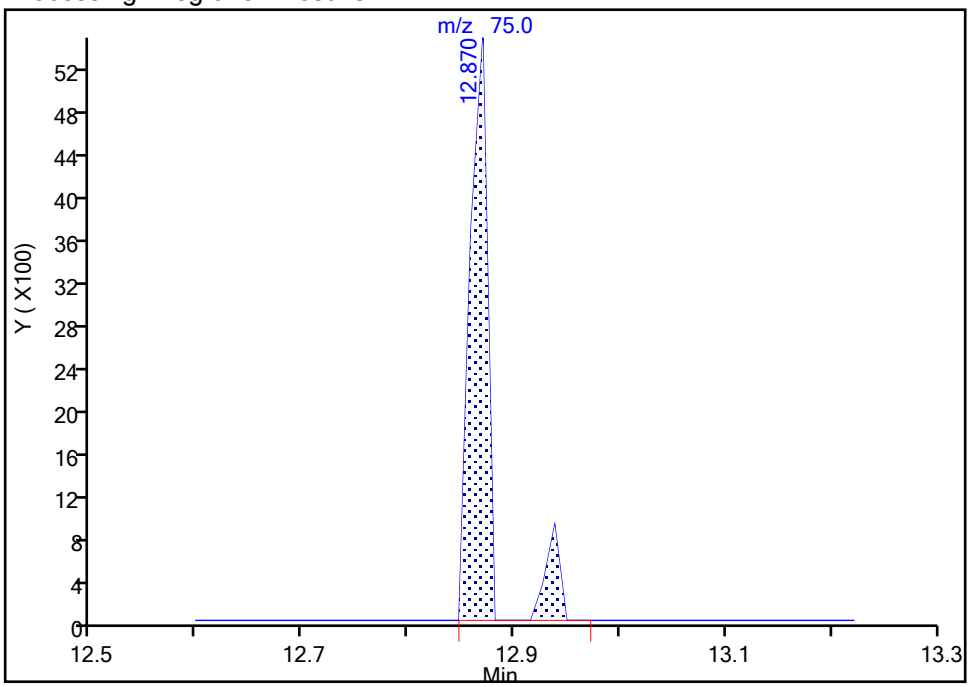
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D				
Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

117 Phorate, CAS: 298-02-2

Signal: 1

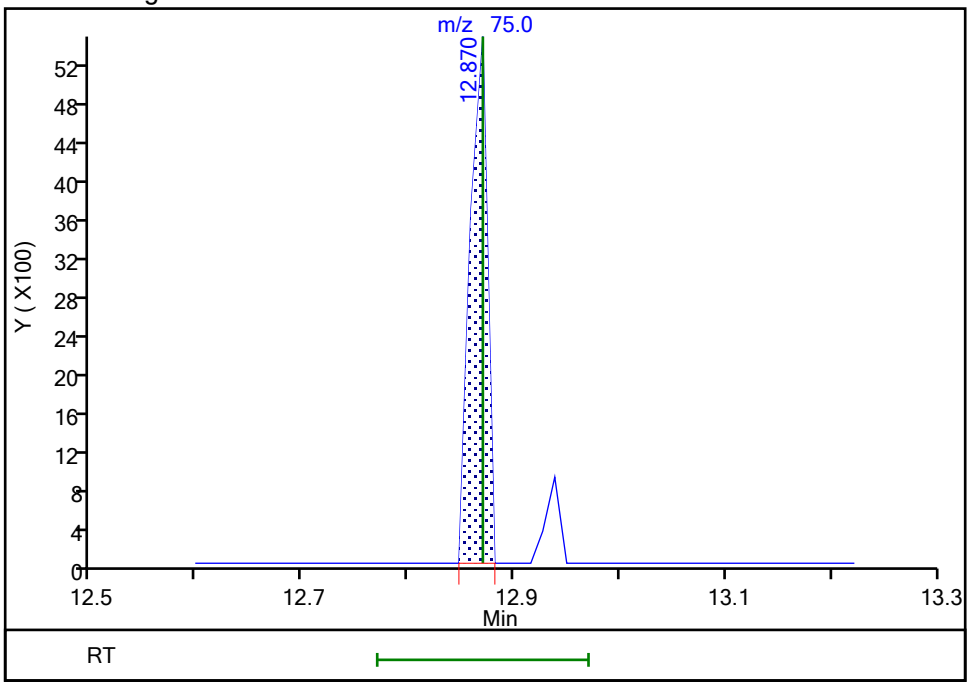
Processing Integration Results

RT: 12.87
Area: 7044
Amount: 0.117408
Amount Units: ug/ml



Manual Integration Results

RT: 12.87
Area: 6208
Amount: 0.107056
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:56:26
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

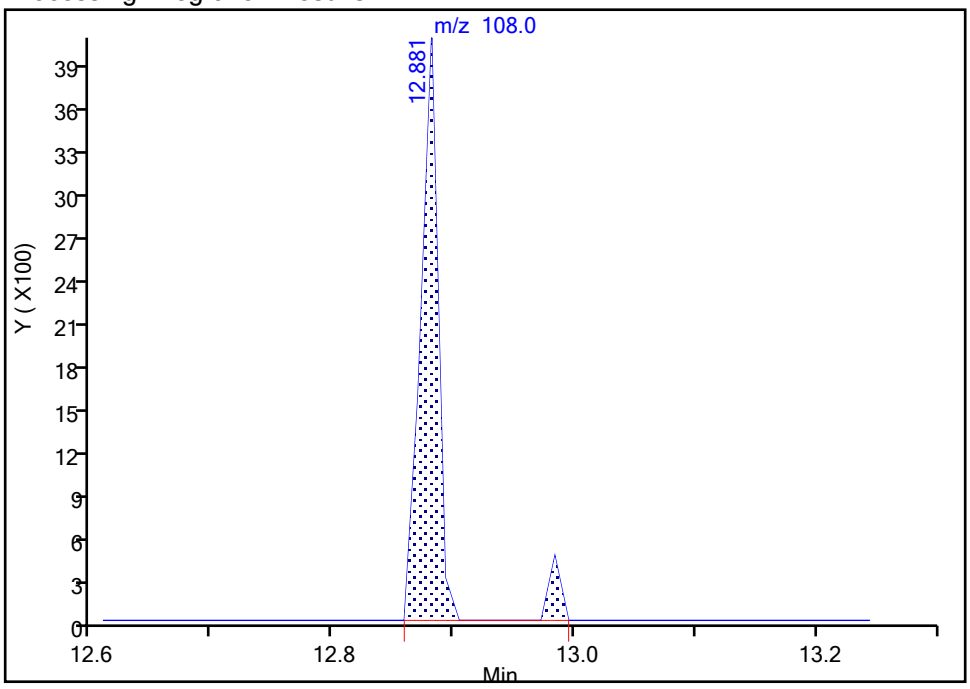
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Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 Phenacetin, CAS: 62-44-2

Signal: 1

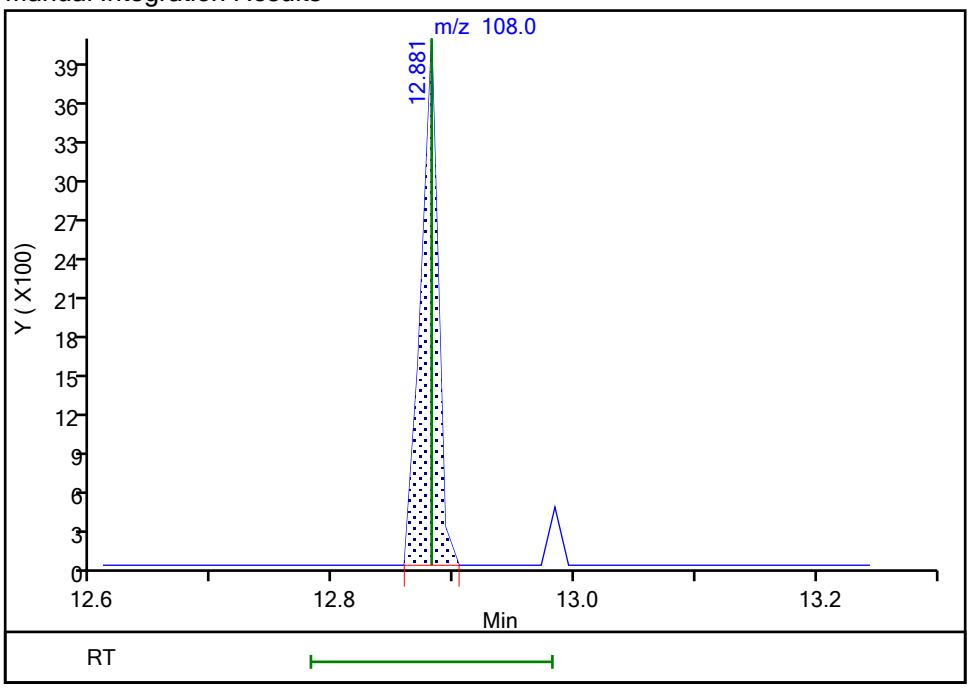
Processing Integration Results

RT: 12.88
Area: 4281
Amount: 0.107228
Amount Units: ug/ml



Manual Integration Results

RT: 12.88
Area: 3980
Amount: 0.107571
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:56:33
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

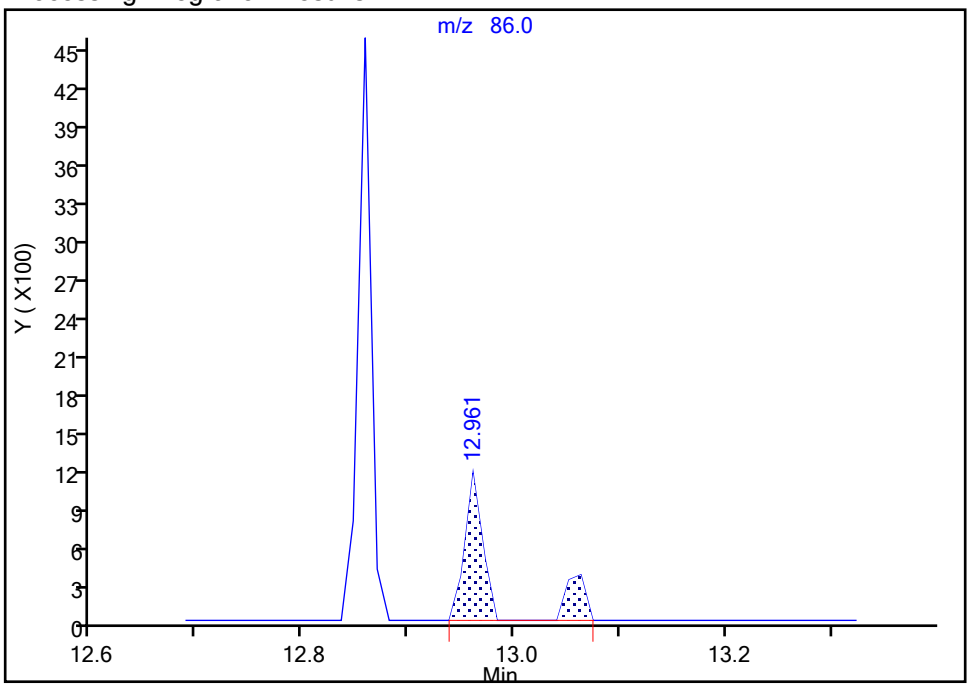
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D				
Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 trans-Diallate, CAS: 17708-58-6

Signal: 1

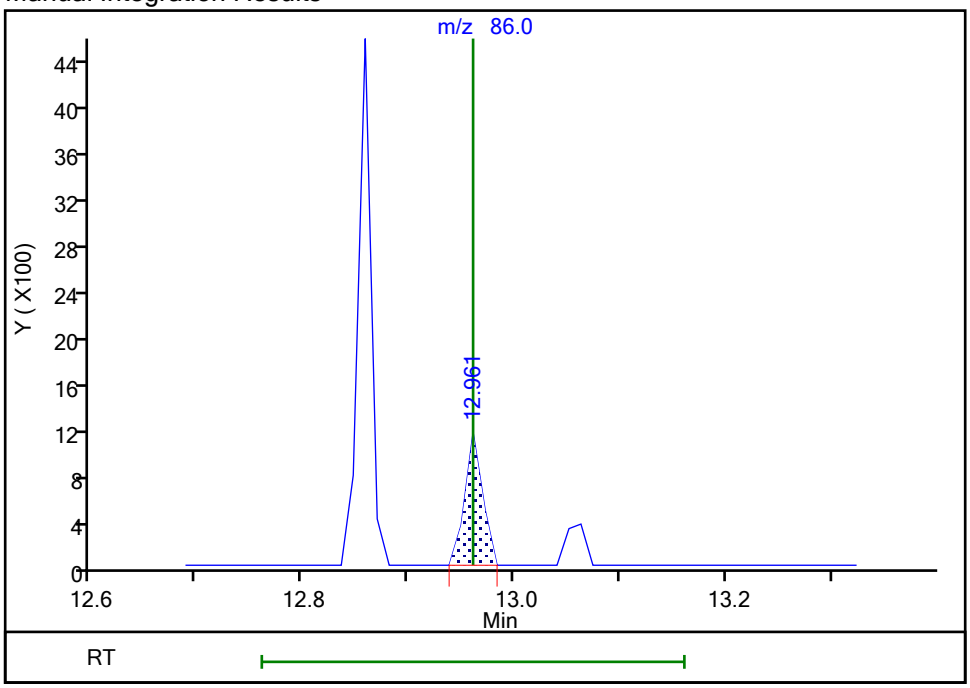
Processing Integration Results

RT: 12.96
Area: 1783
Amount: 0.042253
Amount Units: ug/ml



Manual Integration Results

RT: 12.96
Area: 1331
Amount: 0.032225
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:56:40
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

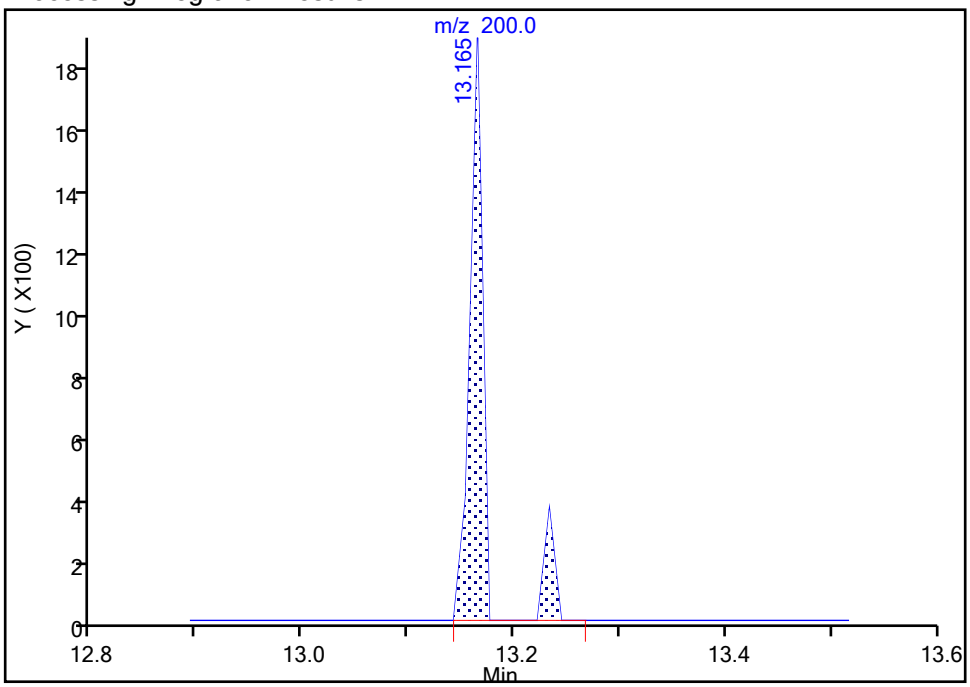
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Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 Atrazine, CAS: 1912-24-9

Signal: 1

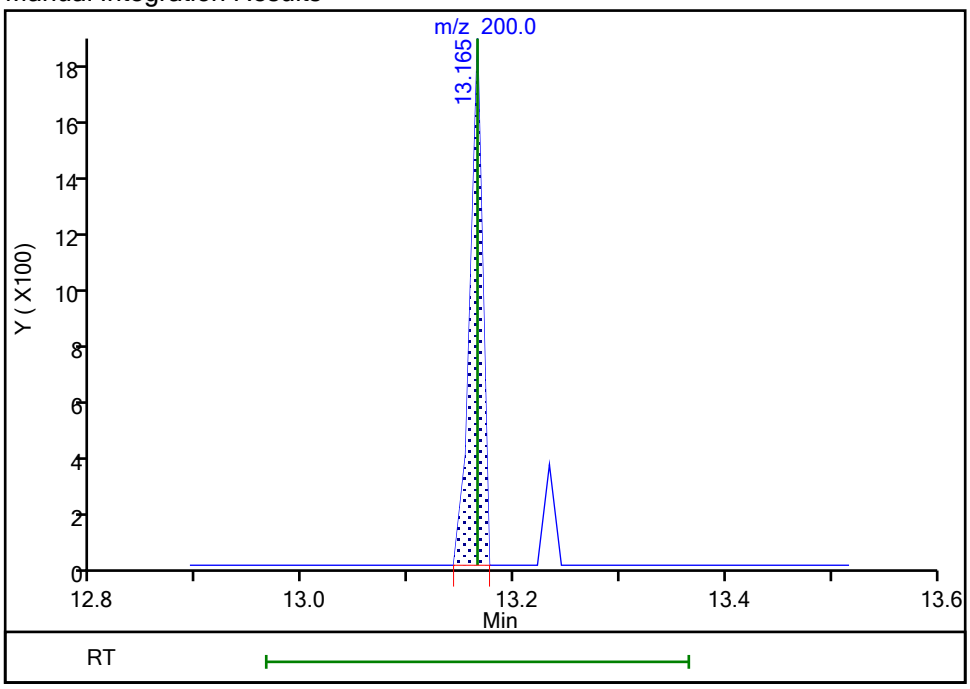
Processing Integration Results

RT: 13.16
Area: 1792
Amount: 0.102002
Amount Units: ug/ml



Manual Integration Results

RT: 13.16
Area: 1547
Amount: 0.091167
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:56:47
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

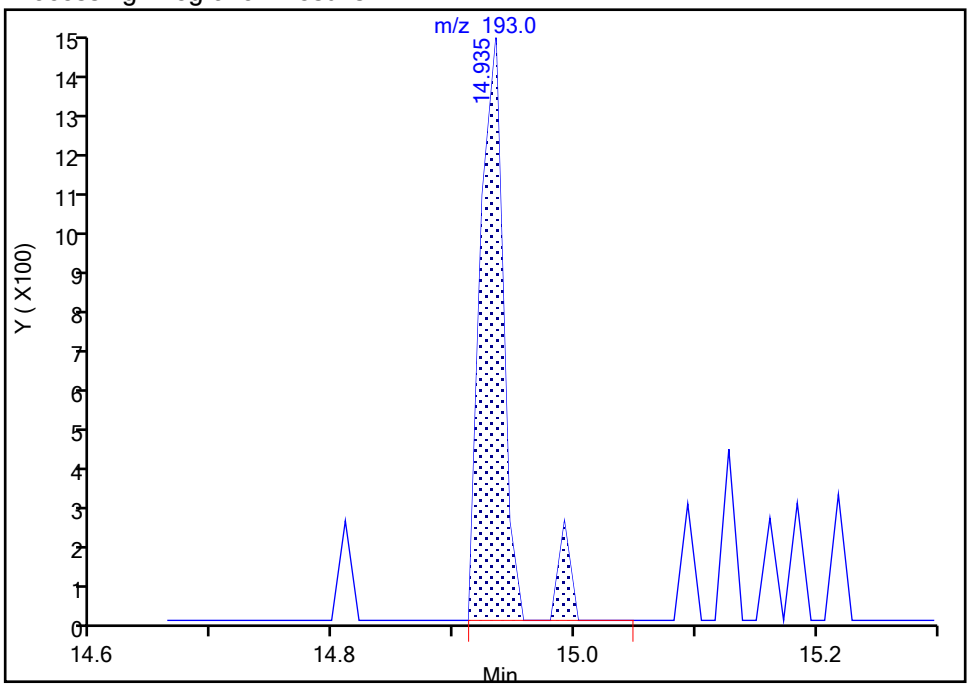
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D				
Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

138 Isodrin, CAS: 465-73-6

Signal: 1

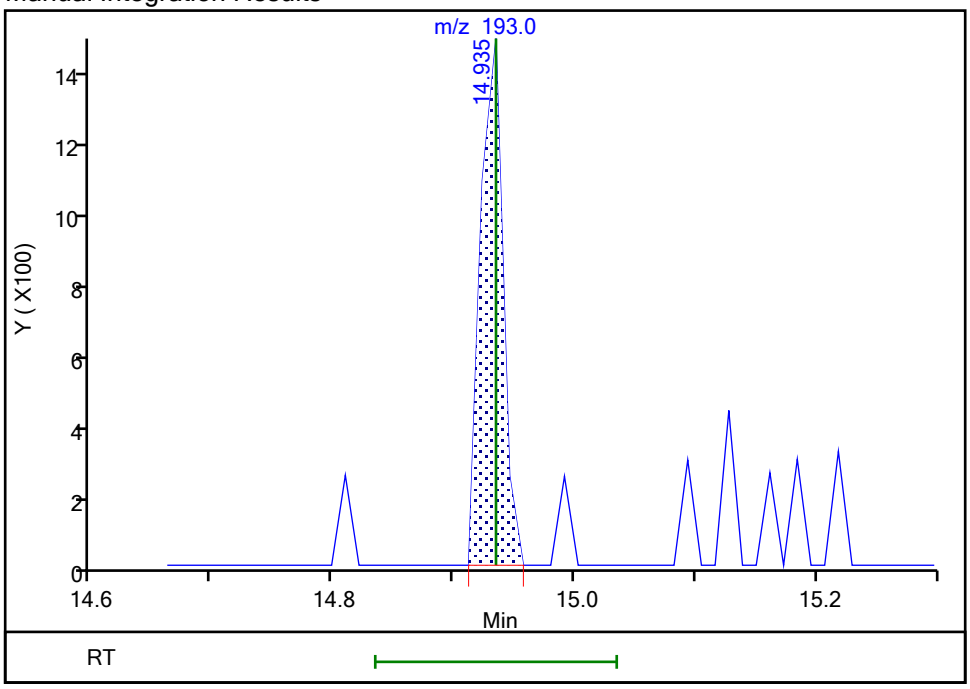
Processing Integration Results

RT: 14.93
Area: 2084
Amount: 0.173980
Amount Units: ug/ml



Manual Integration Results

RT: 14.93
Area: 1914
Amount: 0.162405
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:57:00
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

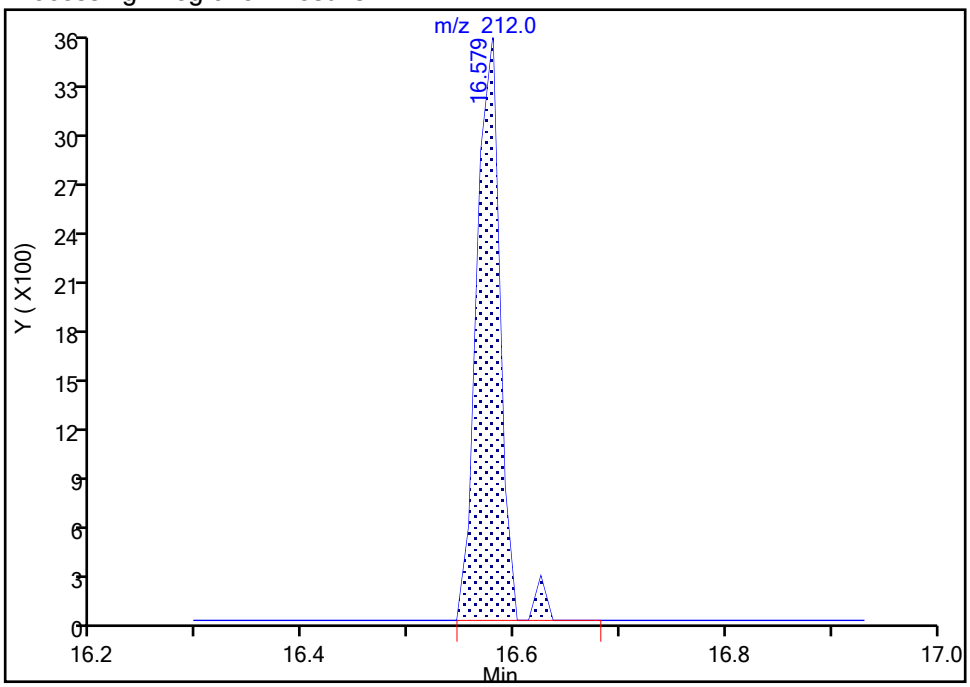
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D
Injection Date: 03-Dec-2020 15:42:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: knb25316 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

146 3,3'-Dimethylbenzidine, CAS: 119-93-7

Signal: 1

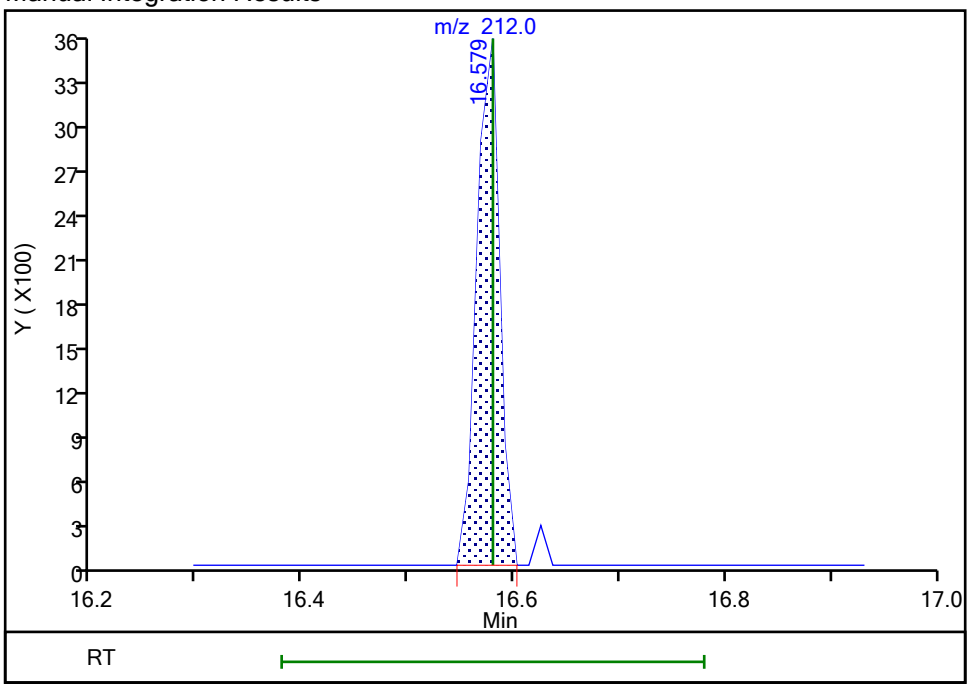
Processing Integration Results

RT: 16.58
Area: 5468
Amount: 0.095264
Amount Units: ug/ml



Manual Integration Results

RT: 16.58
Area: 5286
Amount: 0.092093
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:57:11
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

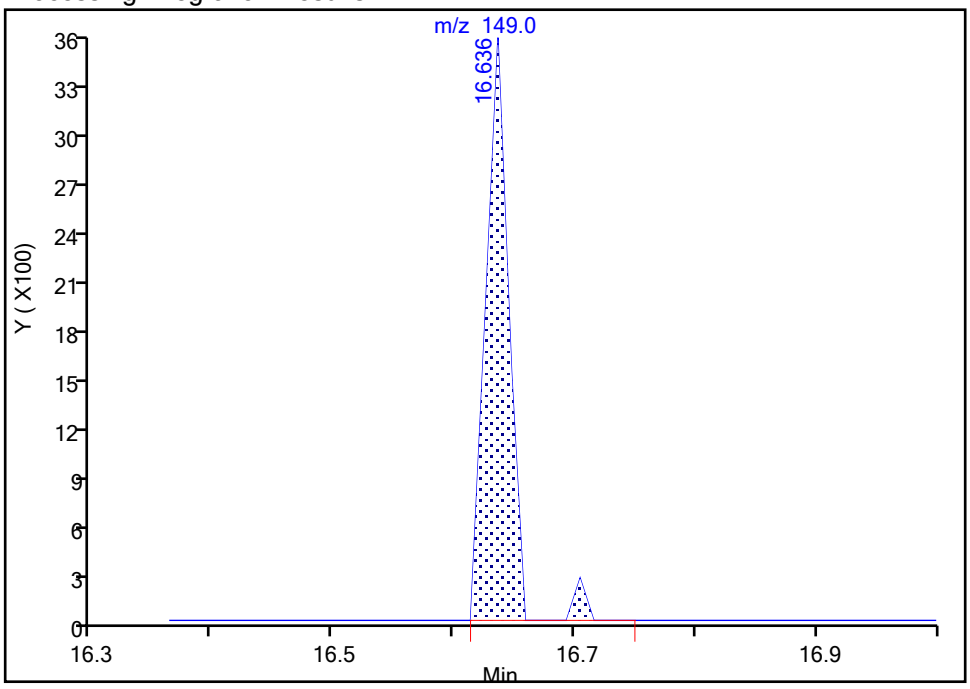
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Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

147 Butyl benzyl phthalate, CAS: 85-68-7

Signal: 1

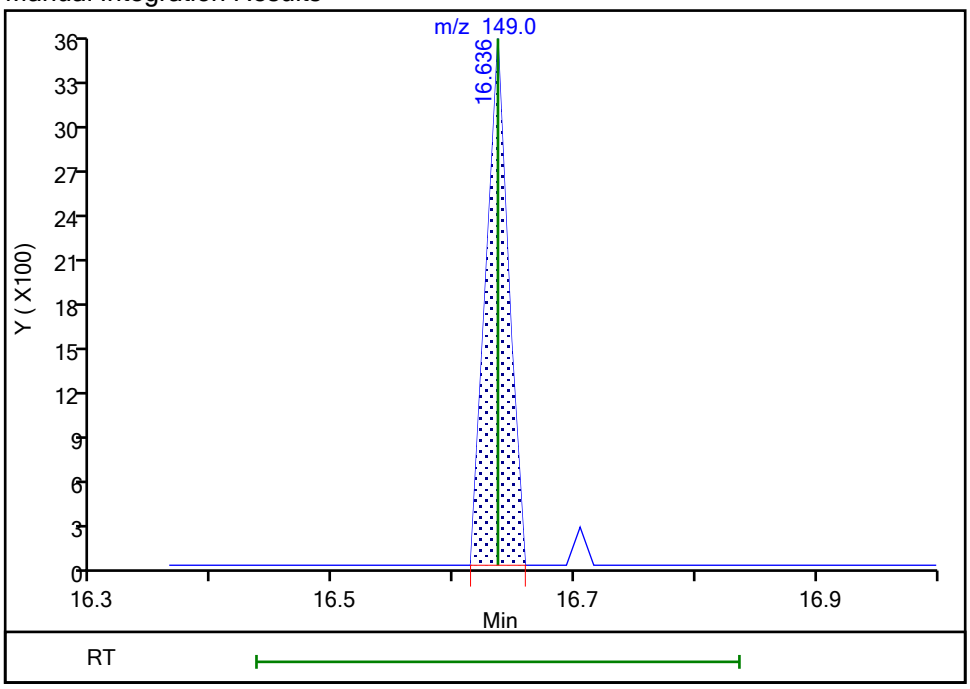
Processing Integration Results

RT: 16.64
Area: 4816
Amount: 0.095586
Amount Units: ug/ml



Manual Integration Results

RT: 16.64
Area: 4641
Amount: 0.092113
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:57:14
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

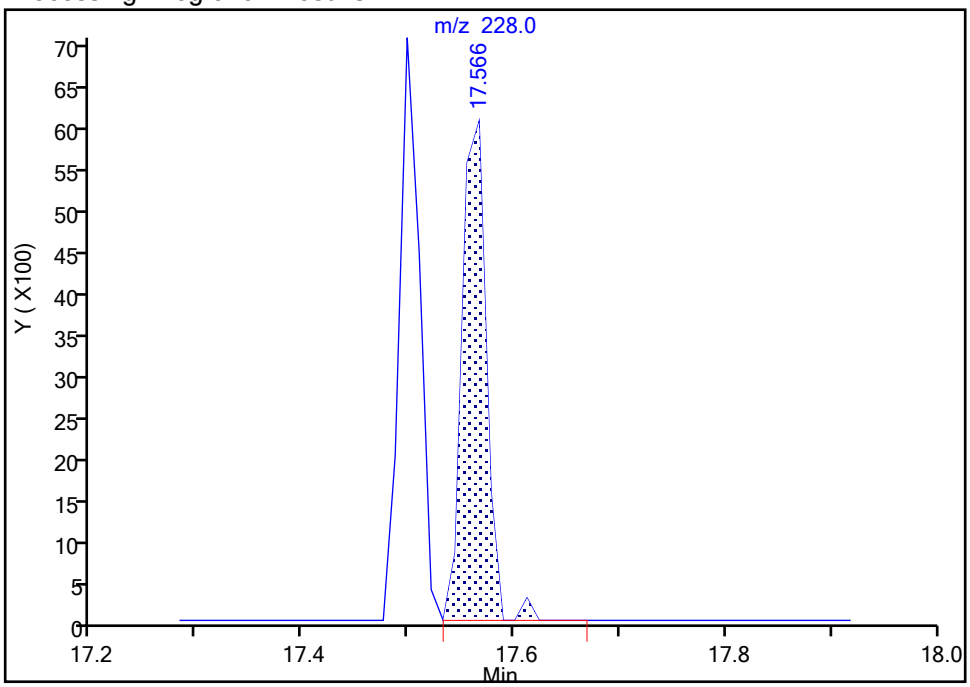
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D				
Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

152 Chrysene, CAS: 218-01-9

Signal: 1

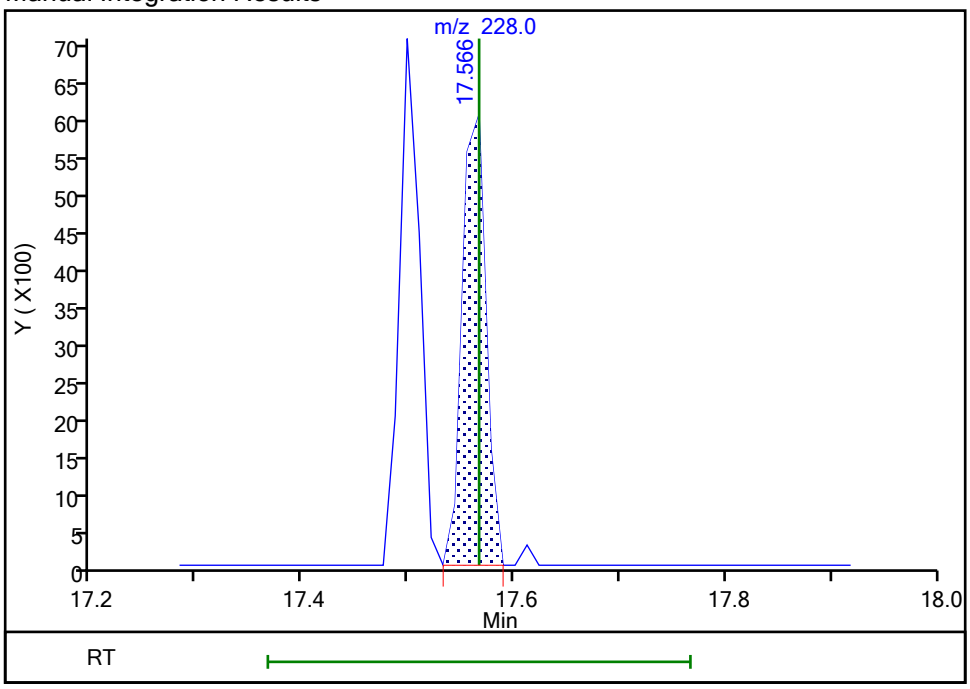
Processing Integration Results

RT: 17.57
Area: 9721
Amount: 0.109241
Amount Units: ug/ml



Manual Integration Results

RT: 17.57
Area: 9535
Amount: 0.109556
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:57:22
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

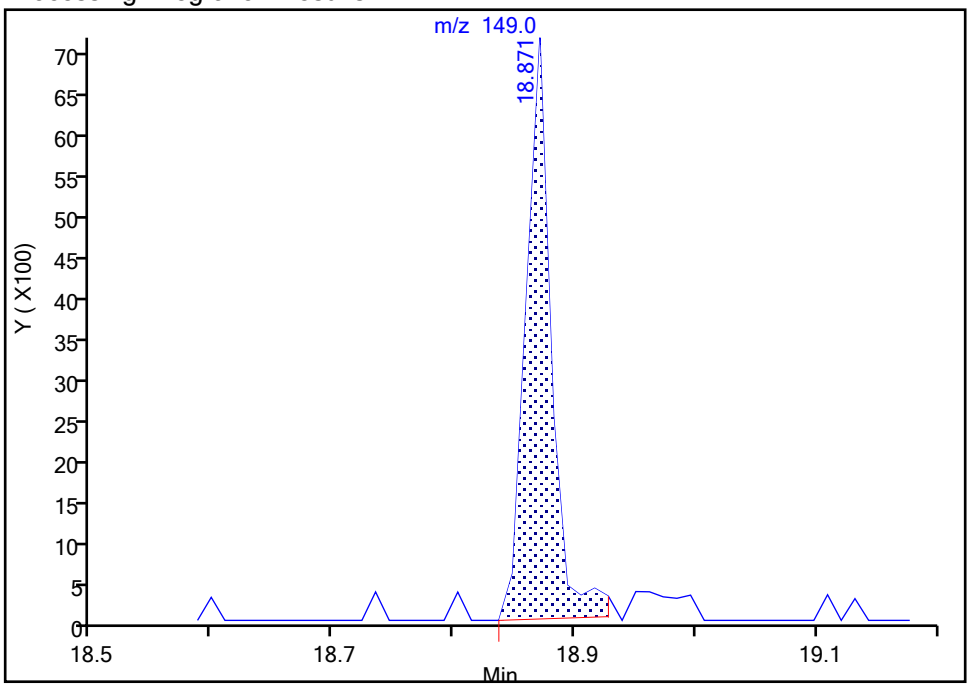
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Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

155 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

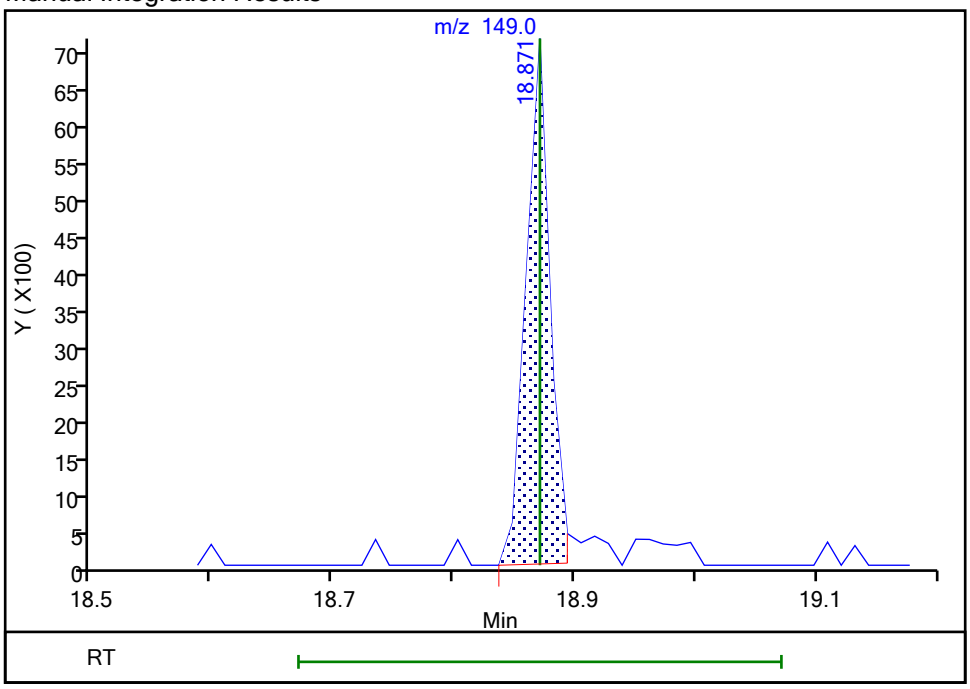
Processing Integration Results

RT: 18.87
Area: 10422
Amount: 0.096017
Amount Units: ug/ml



Manual Integration Results

RT: 18.87
Area: 9772
Amount: 0.090029
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:57:31
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

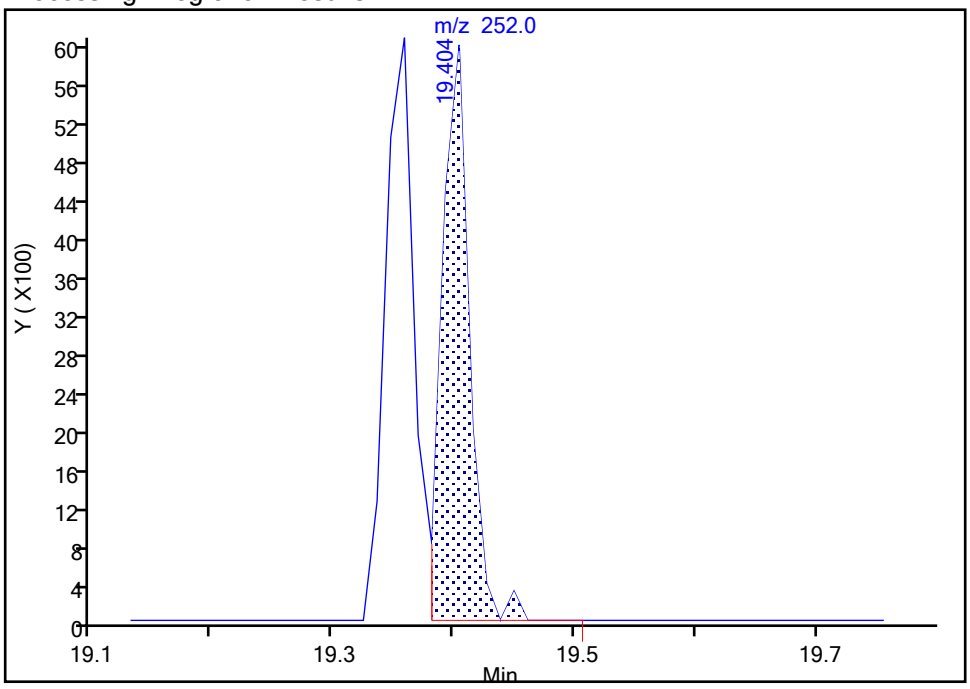
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Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

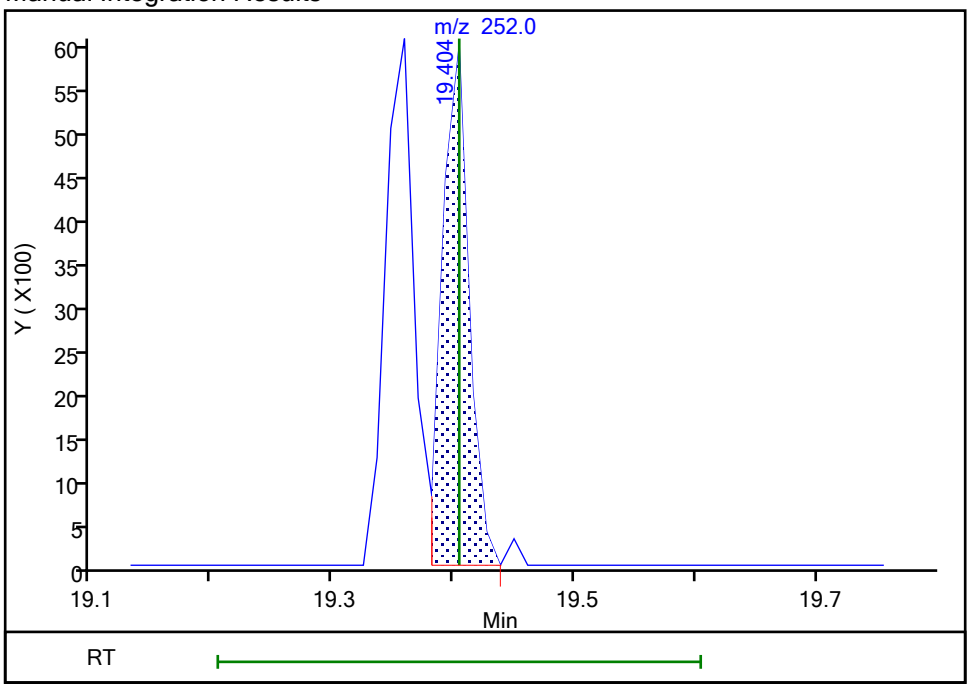
Processing Integration Results

RT: 19.40
Area: 9235
Amount: 0.106531
Amount Units: ug/ml



Manual Integration Results

RT: 19.40
Area: 9027
Amount: 0.105398
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:57:39

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

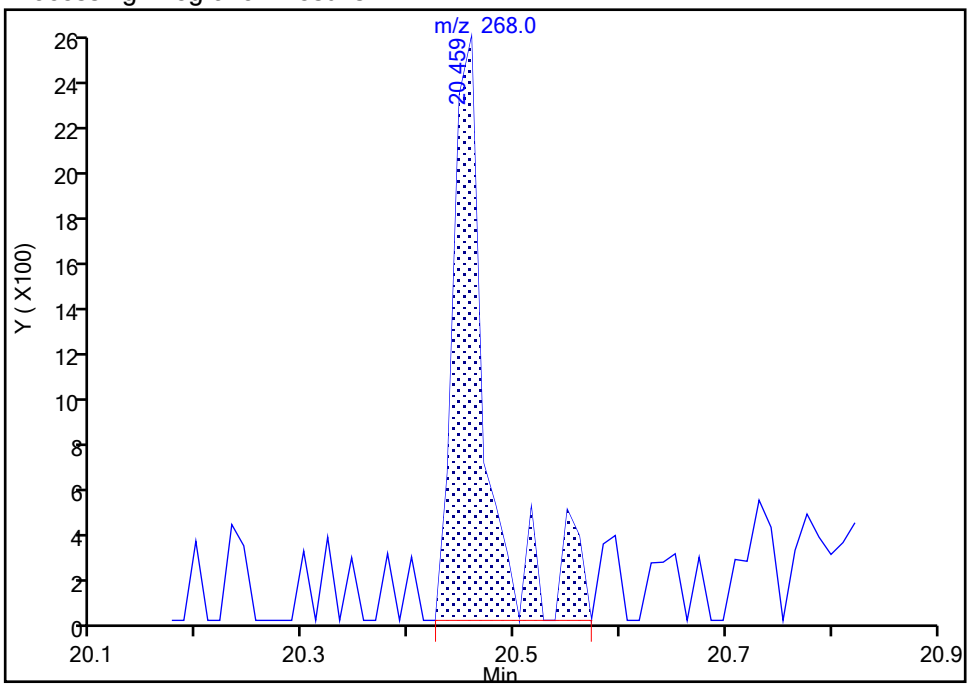
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Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 3-Methylcholanthrene, CAS: 56-49-5

Signal: 1

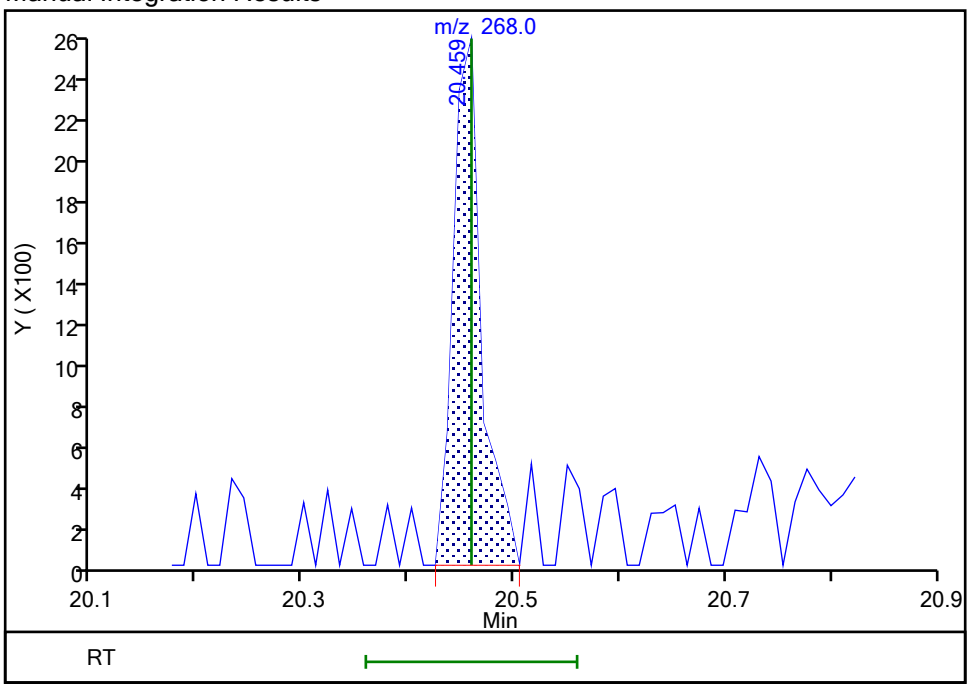
Processing Integration Results

RT: 20.46
Area: 5677
Amount: 0.137028
Amount Units: ug/ml



Manual Integration Results

RT: 20.46
Area: 4759
Amount: 0.117448
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:57:49
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

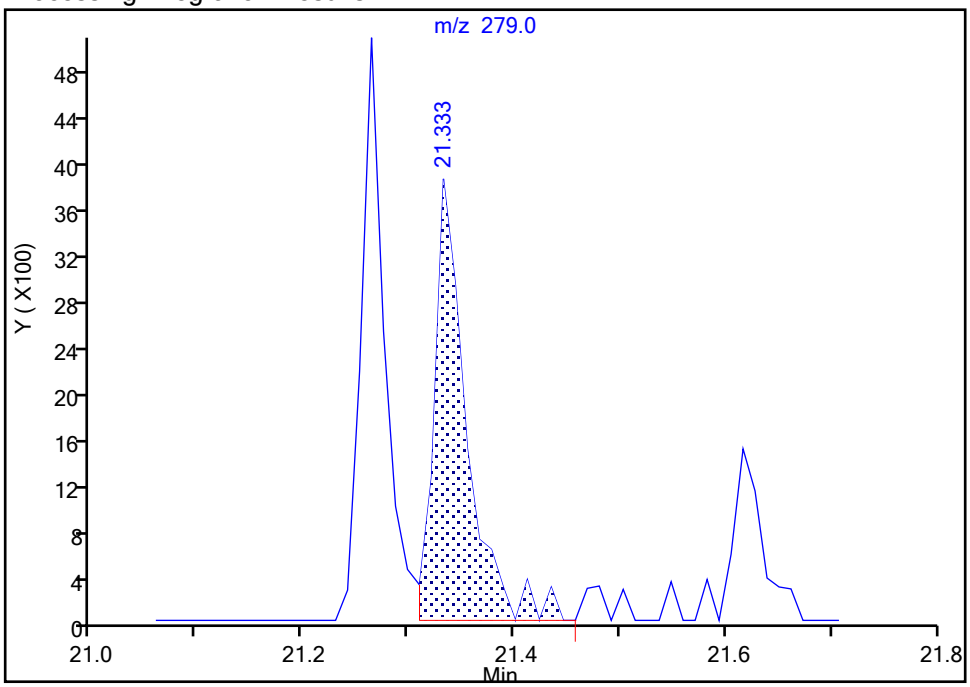
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0122.D				
Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

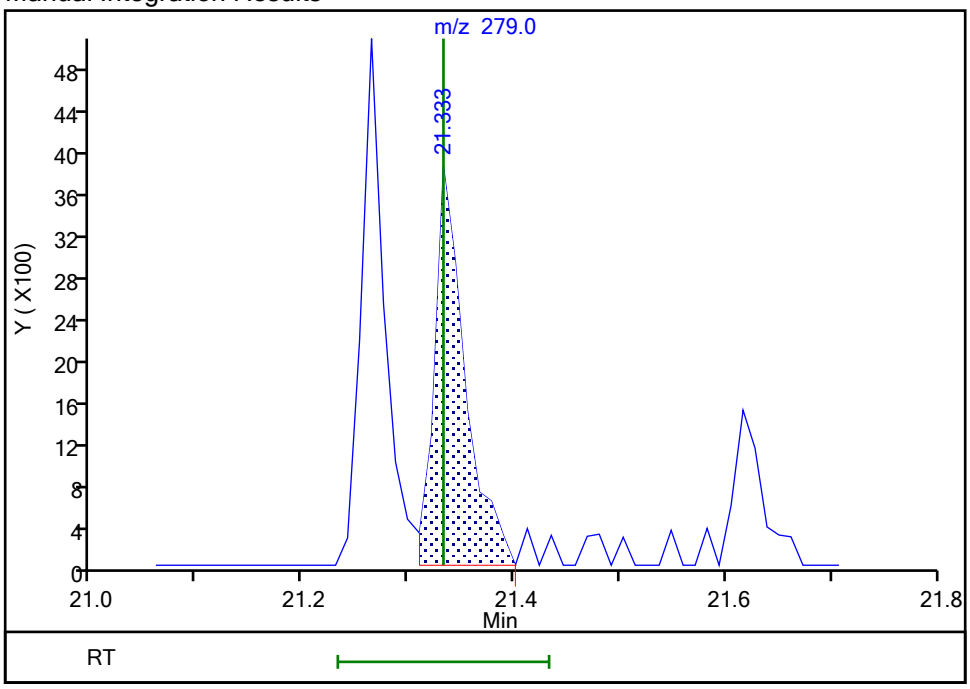
Processing Integration Results

RT: 21.33
Area: 8018
Amount: 0.106792
Amount Units: ug/ml



Manual Integration Results

RT: 21.33
Area: 7586
Amount: 0.101038
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:57:55

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

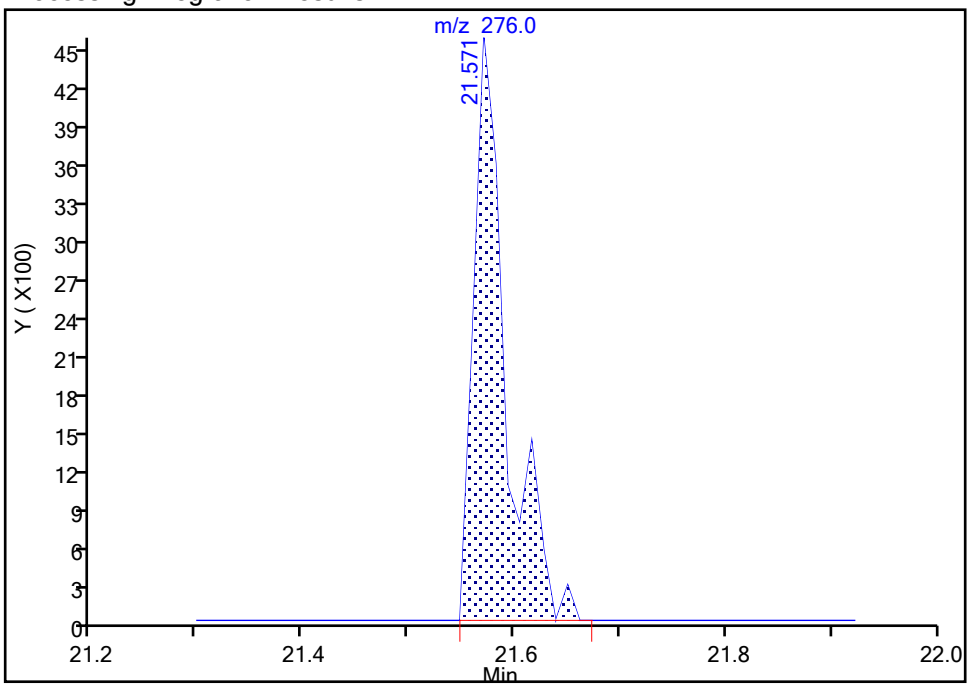
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Injection Date:	03-Dec-2020 15:42:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

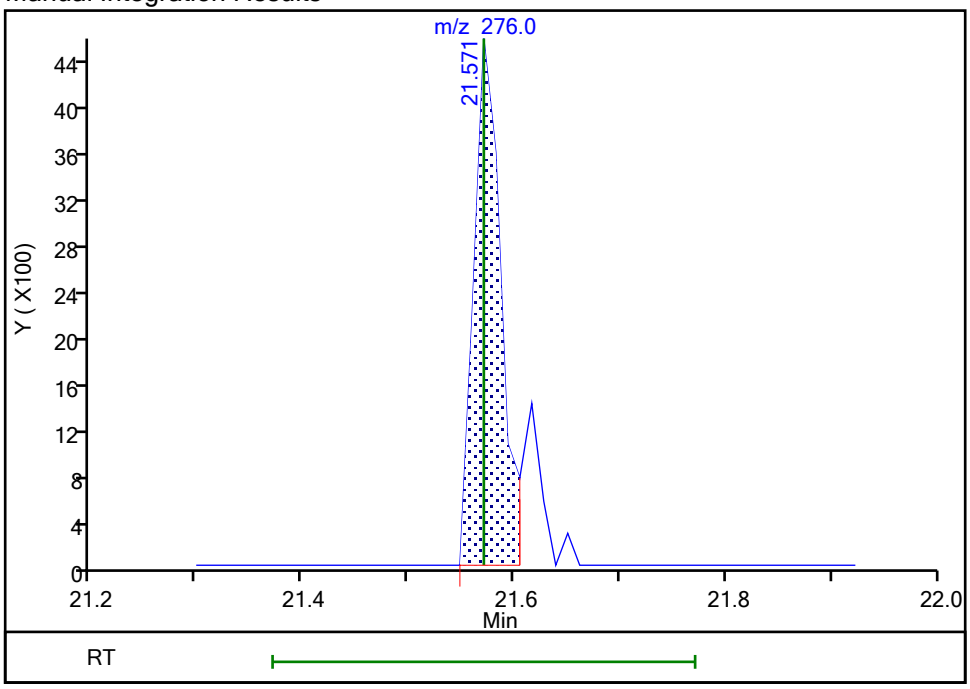
Processing Integration Results

RT: 21.57
Area: 9722
Amount: 0.105705
Amount Units: ug/ml



Manual Integration Results

RT: 21.57
Area: 7946
Amount: 0.100187
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 18:58:01
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0123.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 03-Dec-2020 16:12:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0016969-004
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub7

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 03-Dec-2020 21:42:13 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: luttek Date: 03-Dec-2020 19:01:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.286	2.286	0.000	99	712043	30.0	28.2	
3 N-Nitrosodimethylamine	74	2.842	2.842	0.000	95	1144527	30.0	29.6	
4 Pyridine	79	2.887	2.887	0.000	93	2038297	30.0	28.8	
8 2-Picoline	93	4.078	4.078	0.000	94	1848599	30.0	28.6	
10 N-Nitrosomethylethylamine	88	4.260	4.260	0.000	96	798104	30.0	28.1	
11 Methyl methanesulfonate	80	4.725	4.725	0.000	86	792700	30.0	28.3	
$ 12 2-Fluorophenol	112	4.963	4.963	0.000	95	2927982	60.0	58.2	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	90	700626	30.0	29.5	
15 Ethyl methanesulfonate	109	5.757	5.757	0.000	96	735251	30.0	28.4	
19 Benzaldehyde	77	6.211	6.211	0.000	92	1075257	30.0	22.5	
$ 20 Phenol-d5	99	6.347	6.347	0.000	95	3830391	60.0	58.9	
21 Phenol	94	6.359	6.359	0.000	97	2184414	30.0	28.5	
23 Aniline	93	6.381	6.381	0.000	97	2523553	30.0	28.5	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	92	1634808	30.0	27.7	
S 46 Dinitrotoluene	165				0		60.0	61.6	
25 2-Chlorophenol	128	6.540	6.540	0.000	95	1419117	30.0	28.9	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	95	1497849	30.0	28.5	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	97	164020	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	90	1535889	30.0	29.0	
30 Benzyl alcohol	108	7.085	7.085	0.000	90	897017	30.0	26.9	
31 1,2-Dichlorobenzene	146	7.107	7.107	0.000	94	1437451	30.0	28.4	
34 Indene	115	7.243	7.243	0.000	89	1957167	30.0	27.2	
33 2-Methylphenol	108	7.266	7.266	0.000	93	1339116	30.0	28.6	
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	93	2794357	30.0	28.1	
36 N-Nitrosopyrrolidine	100	7.448	7.448	0.000	88	730791	30.0	28.6	
38 Acetophenone	105	7.482	7.482	0.000	96	2196338	30.0	29.4	
39 N-Nitrosodi-n-propylamine	70	7.504	7.504	0.000	84	1207958	30.0	28.3	
37 4-Methylphenol	108	7.504	7.504	0.000	91	1518492	30.0	29.0	
40 N-Nitrosomorpholine	56	7.516	7.516	0.000	92	1042713	30.0	27.5	
41 2-Toluidine	106	7.527	7.527	0.000	97	2280198	30.0	28.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.618	7.618	0.000	95	705075	30.0	28.2	
$ 43 Nitrobenzene-d5	82	7.697	7.697	0.000	90	3413449	60.0	59.2	
44 Nitrobenzene	77	7.731	7.731	0.000	88	1775122	30.0	29.4	
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	81	663681	30.0	29.4	
47 Isophorone	82	8.106	8.106	0.000	99	2852700	30.0	29.8	
48 2-Nitrophenol	139	8.219	8.219	0.000	95	676118	30.0	31.6	
49 2,4-Dimethylphenol	107	8.321	8.321	0.000	98	1411256	30.0	30.5	
50 Benzoic acid	105	8.480	8.480	0.000	32	842597	30.0	30.5	Ma
51 o,o',o''-Triethylphosphorothioat	198	8.446	8.446	0.000	94	485234	30.0	28.6	
52 Bis(2-chloroethoxy)methane	93	8.480	8.480	0.000	95	1778689	30.0	28.3	
54 2,4-Dichlorophenol	162	8.593	8.593	0.000	97	975076	30.0	29.3	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	93	1129209	30.0	29.9	
* 56 Naphthalene-d8	136	8.798	8.798	0.000	99	593534	5.00	5.00	
57 Naphthalene	128	8.832	8.832	0.000	98	3781151	30.0	28.9	
58 4-Chloroaniline	127	8.945	8.945	0.000	88	1498181	30.0	30.3	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	76	963906	30.0	30.5	
61 Hexachloropropene	213	8.979	8.979	0.000	93	605335	30.0	30.2	
62 Hexachlorobutadiene	225	9.058	9.058	0.000	97	606519	30.0	29.2	
63 Quinoline	129	9.365	9.365	0.000	95	2202788	30.0	29.1	
64 Caprolactam	113	9.501	9.501	0.000	49	380261	30.0	31.9	a
65 N-Nitrosodi-n-butylamine	84	9.512	9.512	0.000	89	1232935	30.0	34.9	
S 60 Diallate	86				0		30.0	28.5	
67 4-Chloro-3-methylphenol	107	9.739	9.739	0.000	95	1101882	30.0	30.3	
68 Safrole, Total	162	9.830	9.830	0.000	82	857559	30.0	29.7	
69 2-Methylnaphthalene	142	9.943	9.943	0.000	92	2323533	30.0	29.2	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	93	2231750	30.0	29.8	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	96	933760	30.0	29.0	
71 Hexachlorocyclopentadiene	237	10.204	10.204	0.000	96	575425	30.0	30.3	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	83	150838	4.80	4.75	
74 2,4,6-Trichlorophenol	196	10.408	10.408	0.000	95	629939	30.0	31.4	
76 2,4,5-Trichlorophenol	196	10.454	10.454	0.000	90	652024	30.0	30.5	
$ 77 2-Fluorobiphenyl (Surr)	172	10.556	10.556	0.000	99	4403626	60.0	57.3	
78 Isosafrole Peak 2	162	10.669	10.669	0.000	90	794288	25.2	24.8	
80 1,1'-Biphenyl	154	10.703	10.703	0.000	96	2751477	30.0	29.9	
81 2-Chloronaphthalene	162	10.715	10.715	0.000	97	2294931	30.0	32.7	M
82 1-Chloronaphthalene	162	10.749	10.749	0.000	97	1630356	30.0	24.7	Ma
83 Phenyl ether	170	10.885	10.885	0.000	89	1324648	30.0	29.8	
84 2-Nitroaniline	138	10.896	10.896	0.000	77	682668	30.0	30.8	
85 1,4-Naphthoquinone	158	11.010	11.010	0.000	80	820083	30.0	29.9	
86 1,4-Dinitrobenzene	168	11.134	11.134	0.000	87	300942	30.0	31.5	
S 79 Isosafrole	162				0		30.0	29.5	
87 Dimethyl phthalate	163	11.237	11.237	0.000	96	1988034	30.0	28.7	
89 1,3-Dinitrobenzene	168	11.248	11.248	0.000	80	340058	30.0	31.2	
90 2,6-Dinitrotoluene	165	11.316	11.316	0.000	89	479226	30.0	31.0	
91 Acenaphthylene	152	11.373	11.373	0.000	99	2827351	30.0	30.2	
92 3-Nitroaniline	138	11.554	11.554	0.000	89	558379	30.0	31.5	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	96	238318	5.00	5.00	
94 Acenaphthene	153	11.645	11.645	0.000	96	2010977	30.0	29.6	
95 2,4-Dinitrophenol	184	11.713	11.713	0.000	84	261241	30.0	32.8	
97 4-Nitrophenol	109	11.826	11.826	0.000	83	410003	30.0	30.8	
99 Pentachlorobenzene	250	11.826	11.826	0.000	94	791139	30.0	28.7	
101 Dibenzofuran	168	11.895	11.895	0.000	96	2584244	30.0	29.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.906	11.906	0.000	90	609612	30.0	30.6	
102 1-Naphthylamine	143	11.997	11.997	0.000	98	2026235	30.0	28.7	
103 2,3,4,6-Tetrachlorophenol	232	12.065	12.065	0.000	76	458865	30.0	31.7	
104 2-Naphthylamine	143	12.110	12.110	0.000	96	2082505	30.0	29.9	
105 Diethyl phthalate	149	12.258	12.258	0.000	97	2072452	30.0	29.7	
107 Fluorene	166	12.337	12.337	0.000	94	2080957	30.0	29.9	
106 Thionazin	107	12.348	12.348	0.000	77	458317	30.0	30.3	
110 N-Nitro-o-toluidine	152	12.371	12.371	0.000	73	595783	30.0	31.3	
109 4-Chlorophenyl phenyl ether	204	12.360	12.360	0.000	91	892960	30.0	28.6	
108 4-Nitroaniline	138	12.371	12.371	0.000	81	565621	30.0	30.6	
111 4,6-Dinitro-2-methylphenol	198	12.416	12.416	0.000	83	345856	30.0	33.3	
112 N-Nitrosodiphenylamine	169	12.507	12.507	0.000	62	1639694	30.0	29.3	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	41	2865617	30.0	27.7	
$ 114 2,4,6-Tribromophenol	330	12.621	12.621	0.000	87	651340	60.0	60.9	
115 Sulfotepp	97	12.723	12.723	0.000	79	427518	30.0	28.2	
116 cis-Diallate	86	12.859	12.859	0.000	97	841426	22.2	21.3	
117 Phorate	75	12.870	12.870	0.000	94	1791575	30.0	31.7	
118 Phenacetin	108	12.893	12.893	0.000	90	1151470	30.0	32.0	
119 4-Bromophenyl phenyl ether	248	12.950	12.950	0.000	78	549454	30.0	28.8	
120 trans-Diallate	86	12.961	12.961	0.000	95	290568	7.80	7.23	
121 Hexachlorobenzene	284	12.995	12.995	0.000	95	650314	30.0	28.2	
122 Dimethoate	87	13.074	13.074	0.000	98	1103450	30.0	30.7	
123 Atrazine	200	13.176	13.176	0.000	89	492424	30.0	29.8	
124 Pentachlorophenol	266	13.244	13.244	0.000	93	389932	30.0	32.4	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	82	246075	30.0	29.5	
125 4-Aminobiphenyl	169	13.267	13.267	0.000	91	1237511	30.0	29.3	
127 Pronamide	173	13.358	13.358	0.000	90	841889	30.0	30.4	
* 128 Phenanthrene-d10	188	13.483	13.483	0.000	97	417061	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	89	402835	30.0	29.2	
130 Phenanthrene	178	13.505	13.505	0.000	98	2836347	30.0	28.0	
131 Anthracene	178	13.573	13.573	0.000	98	2937635	30.0	29.3	
132 Carbazole	167	13.789	13.789	0.000	96	2604632	30.0	29.9	
133 Methyl parathion	109	13.993	13.993	0.000	89	814840	30.0	32.3	
134 Di-n-butyl phthalate	149	14.311	14.311	0.000	100	3552704	30.0	30.4	
135 Ethyl Parathion	109	14.538	14.538	0.000	82	486325	30.0	32.7	
136 4-Nitroquinoline-1-oxide	190	14.560	14.560	0.000	98	314806	30.0	29.4	
137 Octachlorostyrene	308	14.889	14.889	0.000	94	249506	30.0	29.0	
138 Isodrin	193	14.935	14.935	0.000	92	340183	30.0	29.7	
139 Fluoranthene	202	15.162	15.162	0.000	99	2945974	30.0	30.7	
140 Benzidine	184	15.400	15.400	0.000	99	5932533	90.0	87.4	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	97	373331	5.00	5.00	
142 Pyrene	202	15.502	15.502	0.000	97	2992165	30.0	28.3	
$ 143 p-Terphenyl-d14	244	15.786	15.786	0.000	99	4061323	60.0	58.0	
144 p-Dimethylamino azobenzene	225	16.024	16.024	0.000	94	508834	30.0	32.5	
145 Chlorobenzilate	139	16.103	16.103	0.000	86	1027465	30.0	30.8	
146 3,3'-Dimethylbenzidine	212	16.580	16.580	0.000	99	1683081	30.0	29.6	
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	96	1553846	30.0	31.2	
148 2-Acetylaminofluorene	181	16.999	16.999	0.000	96	1258529	30.0	34.8	
150 3,3'-Dichlorobenzidine	252	17.510	17.510	0.000	83	1093468	30.0	33.1	
149 Benzo[a]anthracene	228	17.510	17.510	0.000	99	2673541	30.0	32.0	
151 4,4'-Methylene bis(2-chloroani	231	17.533	17.533	0.000	96	522267	30.0	34.5	
152 Chrysene	228	17.578	17.578	0.000	97	2660375	30.0	30.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	97	2196169	30.0	32.4	
154 6-Methylchrysene	242	18.372	18.372	0.000	99	1880115	30.0	32.6	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	99	3939729	30.0	30.3	
157 7,12-Dimethylbenz(a)anthracene	256	19.370	19.370	0.000	90	1338444	30.0	29.7	
156 Benzo[b]fluoranthene	252	19.370	19.370	0.000	98	3103283	30.0	30.4	
158 Benzo[k]fluoranthene	252	19.416	19.416	0.000	98	2952560	30.0	28.8	
159 Benzo[a]pyrene	252	19.892	19.892	0.000	80	3015653	30.0	30.8	
* 160 Perylene-d12	264	19.983	19.983	0.000	97	412689	5.00	5.00	
161 3-Methylcholanthrene	268	20.471	20.471	0.000	94	1495457	30.0	30.8	
162 Dibenz[a,h]acridine	279	21.276	21.276	0.000	92	2482486	30.0	29.9	
163 Dibenz[a,j]acridine	279	21.355	21.355	0.000	96	2644997	30.0	29.4	
164 Indeno[1,2,3-cd]pyrene	276	21.594	21.594	0.000	98	2972503	30.0	31.3	
165 Dibenz(a,h)anthracene	278	21.639	21.639	0.000	94	3040272	30.0	30.8	
166 Benzo[g,h,i]perylene	276	21.979	21.979	0.000	95	3091570	30.0	29.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_8_00009 Amount Added: 1.00 Units: mL

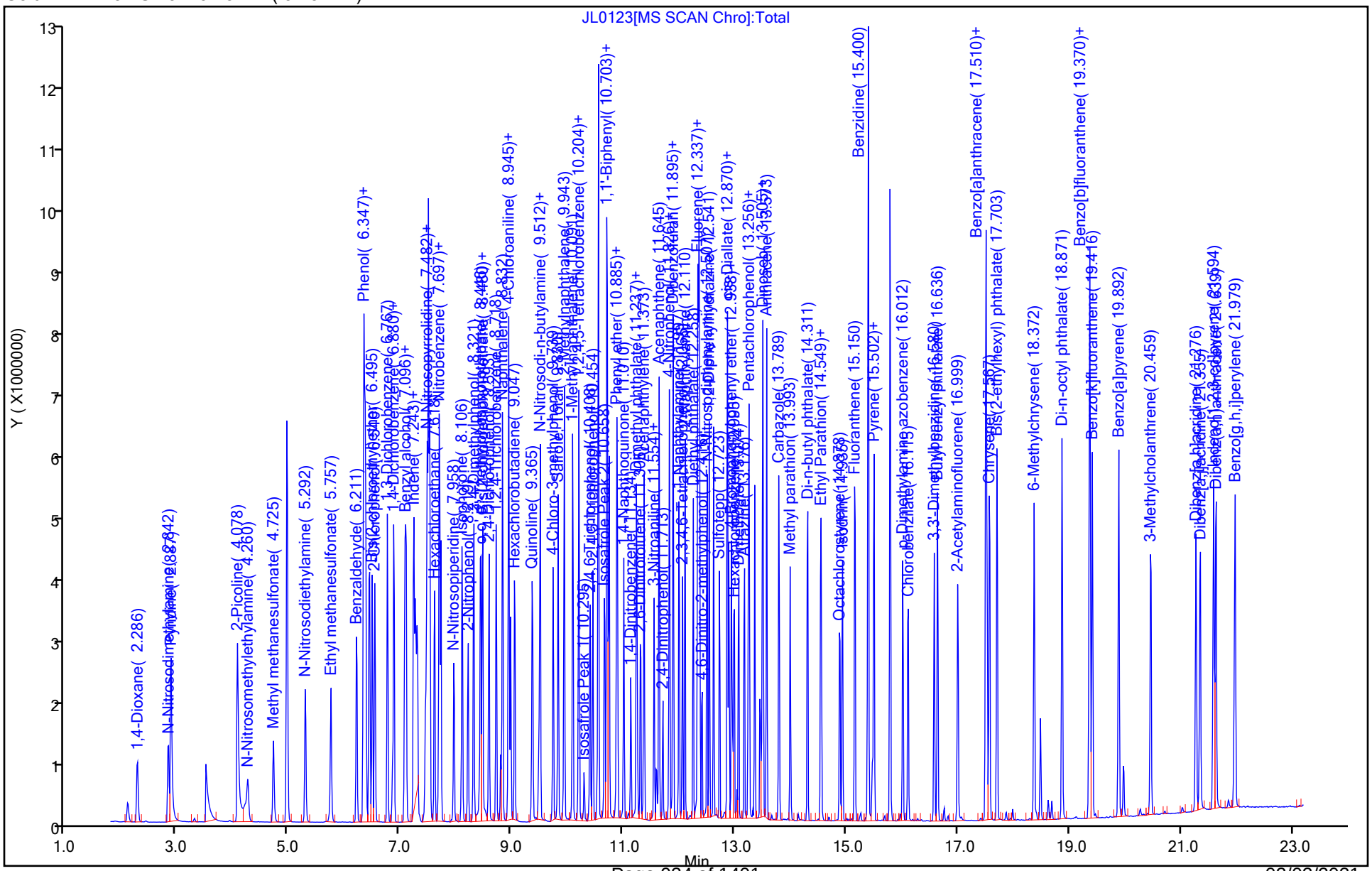
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	03-Dec-2020 16:12:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	IC L8			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

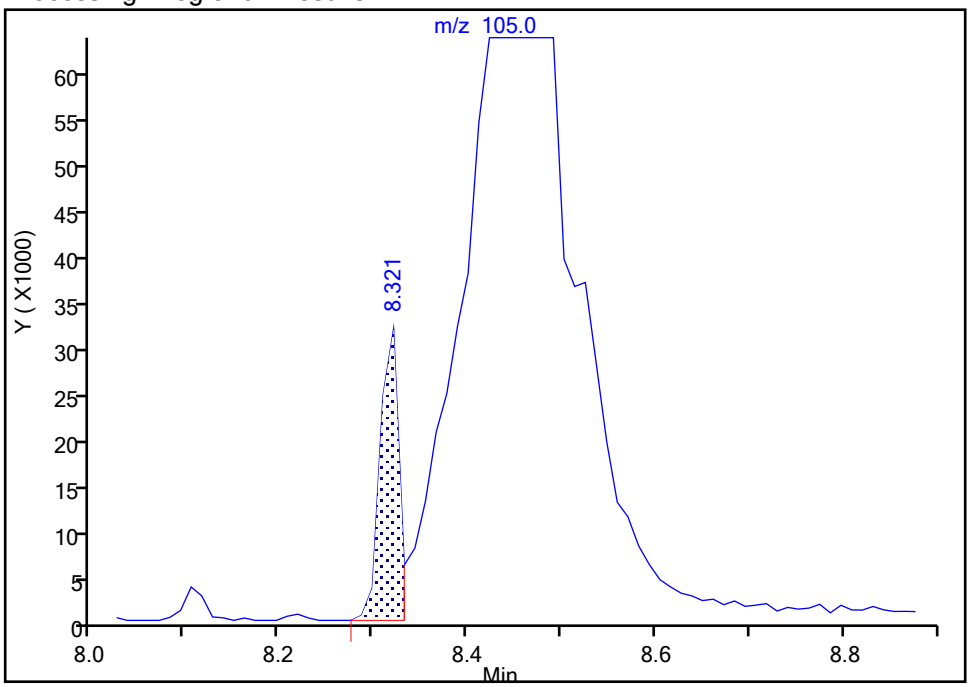
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Lims ID:	IC L8				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

50 Benzoic acid, CAS: 65-85-0

Signal: 1

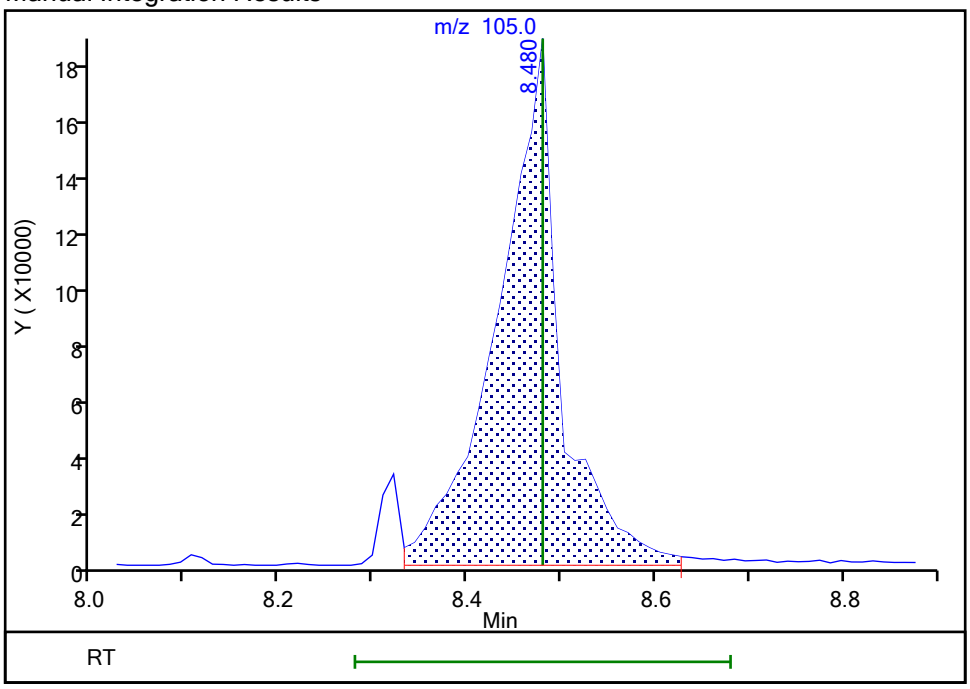
Processing Integration Results

RT: 8.32
Area: 42798
Amount: 5.933339
Amount Units: ug/ml



Manual Integration Results

RT: 8.48
Area: 842597
Amount: 30.461991
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 19:00:28
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

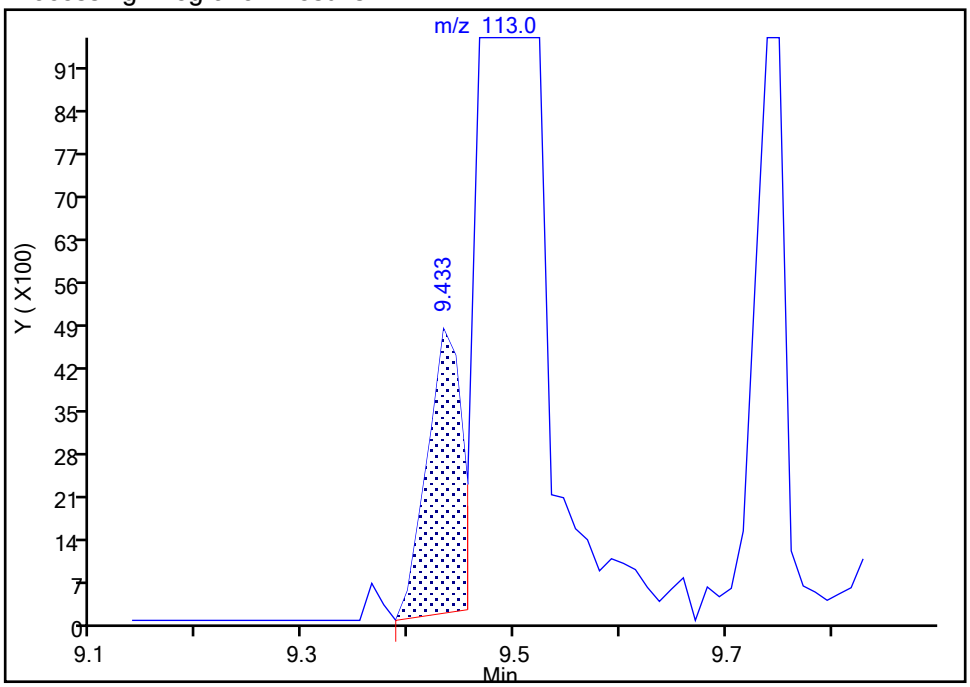
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Lims ID:	IC L8				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 Caprolactam, CAS: 105-60-2

Signal: 1

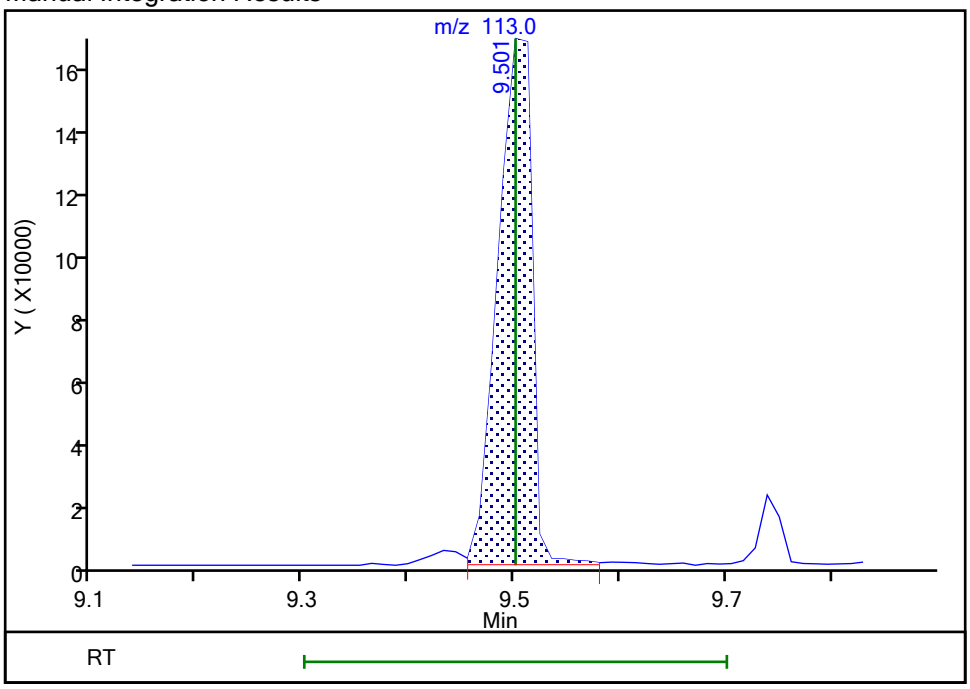
Processing Integration Results

RT: 9.43
Area: 10278
Amount: 1.012795
Amount Units: ug/ml



Manual Integration Results

RT: 9.50
Area: 380261
Amount: 31.887590
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 19:00:42
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

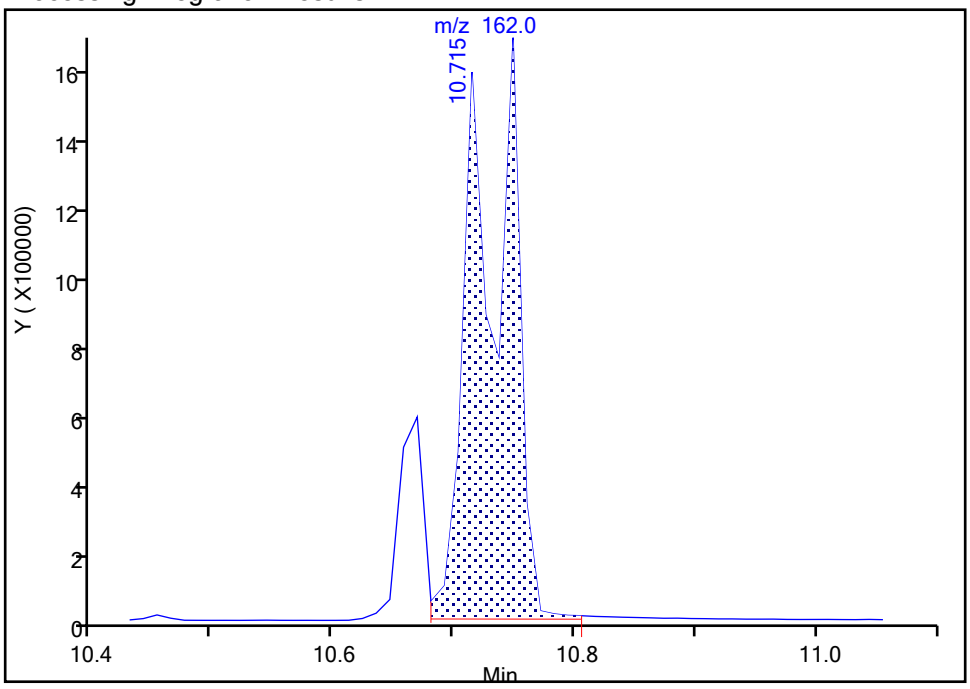
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Injection Date:	03-Dec-2020 16:12:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

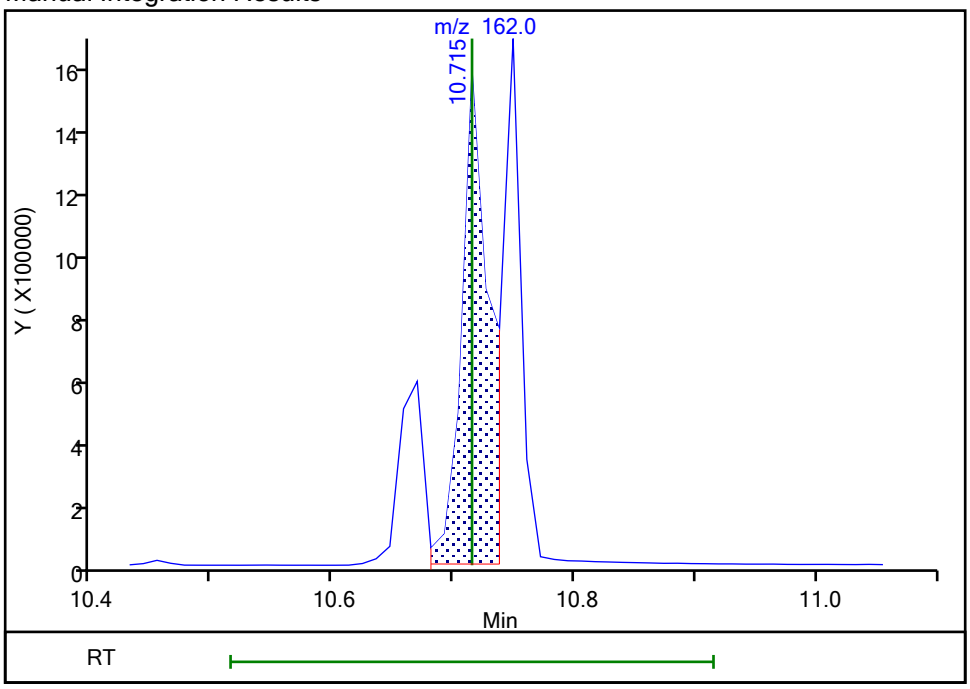
Processing Integration Results

RT: 10.71
Area: 3925279
Amount: 38.344705
Amount Units: ug/ml



Manual Integration Results

RT: 10.71
Area: 2294931
Amount: 32.656283
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 19:00:54
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

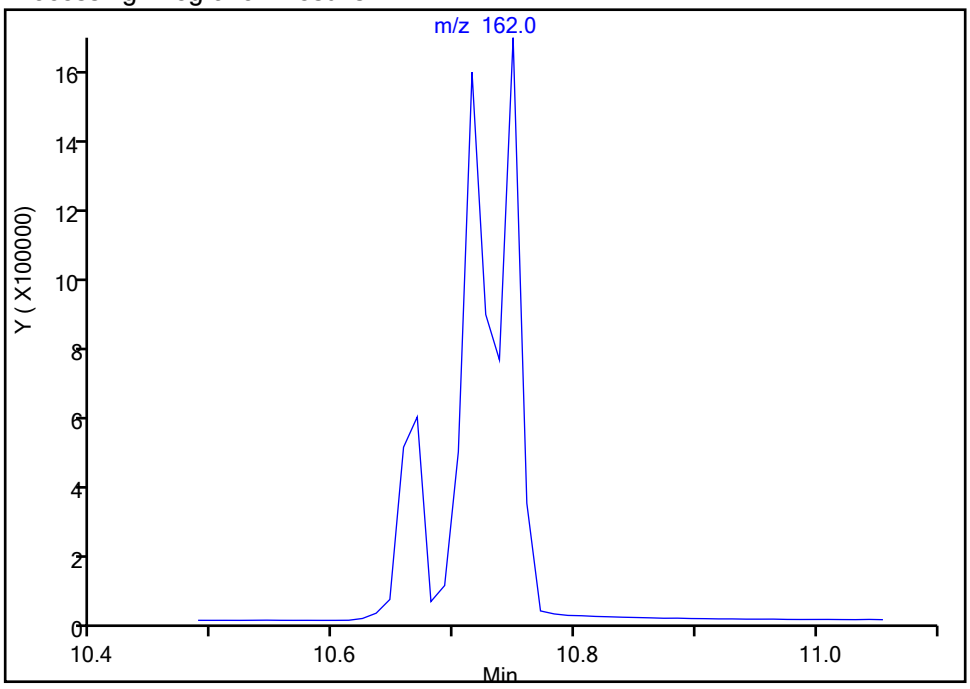
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Injection Date: 03-Dec-2020 16:12:30 Instrument ID: HP23264
Lims ID: IC L8
Client ID:
Operator ID: knb25316 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

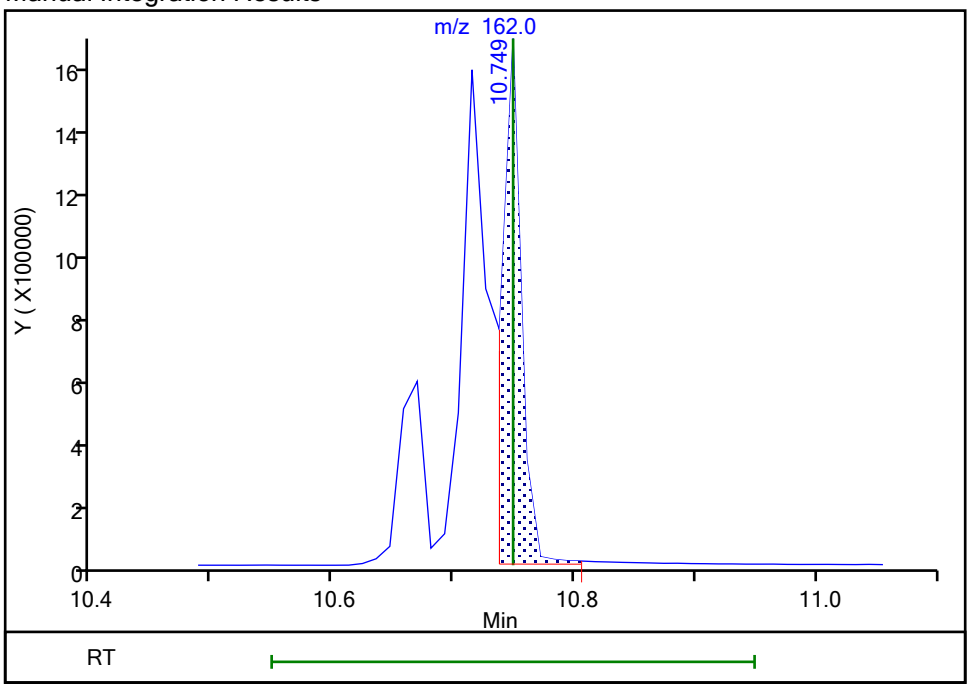
Not Detected
Expected RT: 10.75

Processing Integration Results



Manual Integration Results

RT: 10.75
Area: 1630356
Amount: 24.708104
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 19:01:07
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0124.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 03-Dec-2020 16:42:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0016969-005
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub7

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 03-Dec-2020 21:42:31 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: luttek Date: 03-Dec-2020 19:04:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.286	2.286	0.000	98	475160	20.0	19.4	
3 N-Nitrosodimethylamine	74	2.831	2.831	0.000	95	755561	20.0	20.1	
4 Pyridine	79	2.887	2.887	0.000	93	1341780	20.0	19.5	
8 2-Picoline	93	4.079	4.079	0.000	94	1240772	20.0	19.7	
10 N-Nitrosomethylethylamine	88	4.260	4.260	0.000	97	530411	20.0	19.2	
11 Methyl methanesulfonate	80	4.725	4.725	0.000	85	531104	20.0	19.5	
$ 12 2-Fluorophenol	112	4.963	4.963	0.000	95	1965796	40.0	40.1	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	90	468538	20.0	20.3	
15 Ethyl methanesulfonate	109	5.757	5.757	0.000	96	497408	20.0	19.7	
19 Benzaldehyde	77	6.211	6.211	0.000	93	832723	20.0	17.9	
$ 20 Phenol-d5	99	6.336	6.336	0.000	95	2541118	40.0	40.1	
21 Phenol	94	6.359	6.359	0.000	97	1472363	20.0	19.7	
23 Aniline	93	6.370	6.370	0.000	90	1720510	20.0	19.9	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	92	1109878	20.0	19.3	
S 46 Dinitrotoluene	165				0		40.0	40.8	
25 2-Chlorophenol	128	6.540	6.540	0.000	95	965954	20.0	20.2	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	95	1009560	20.0	19.7	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	98	159741	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	91	1026251	20.0	19.9	
30 Benzyl alcohol	108	7.085	7.085	0.000	90	663170	20.0	20.5	
31 1,2-Dichlorobenzene	146	7.107	7.107	0.000	95	970694	20.0	19.7	
34 Indene	115	7.244	7.244	0.000	90	1399934	20.0	20.0	
33 2-Methylphenol	108	7.266	7.266	0.000	94	909764	20.0	19.9	
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	94	1879441	20.0	19.4	
36 N-Nitrosopyrrolidine	100	7.448	7.448	0.000	86	499037	20.0	20.0	
38 Acetophenone	105	7.482	7.482	0.000	96	1427502	20.0	19.7	
39 N-Nitrosodi-n-propylamine	70	7.504	7.504	0.000	84	821775	20.0	19.8	
37 4-Methylphenol	108	7.504	7.504	0.000	89	1027669	20.0	20.2	
40 N-Nitrosomorpholine	56	7.516	7.516	0.000	91	714084	20.0	19.3	
41 2-Toluidine	106	7.527	7.527	0.000	97	1548867	20.0	19.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.618	7.618	0.000	95	479854	20.0	19.7	
$ 43 Nitrobenzene-d5	82	7.697	7.697	0.000	90	2298768	40.0	39.7	
44 Nitrobenzene	77	7.720	7.720	0.000	88	1215353	20.0	20.1	
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	82	449466	20.0	19.8	
47 Isophorone	82	8.106	8.106	0.000	99	1975115	20.0	20.6	
48 2-Nitrophenol	139	8.219	8.219	0.000	96	468936	20.0	21.9	
49 2,4-Dimethylphenol	107	8.310	8.310	0.000	98	952043	20.0	20.5	
51 o,o',o''-Triethylphosphorothioat	198	8.435	8.435	0.000	93	340023	20.0	20.0	
50 Benzoic acid	105	8.457	8.457	0.000	90	522299	20.0	19.6	Ma
52 Bis(2-chloroethoxy)methane	93	8.469	8.469	0.000	93	1217704	20.0	19.3	M
54 2,4-Dichlorophenol	162	8.593	8.593	0.000	97	681429	20.0	20.4	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	93	763077	20.0	20.1	
* 56 Naphthalene-d8	136	8.798	8.798	0.000	99	594900	5.00	5.00	
57 Naphthalene	128	8.832	8.832	0.000	98	2577938	20.0	19.7	
58 4-Chloroaniline	127	8.945	8.945	0.000	93	1007536	20.0	20.3	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	87	646464	20.0	20.4	
61 Hexachloropropene	213	8.979	8.979	0.000	93	409503	20.0	20.4	
62 Hexachlorobutadiene	225	9.047	9.047	0.000	97	410959	20.0	19.7	
63 Quinoline	129	9.365	9.365	0.000	95	1505959	20.0	19.8	
64 Caprolactam	113	9.490	9.490	0.000	74	252610	20.0	21.1	
65 N-Nitrosodi-n-butylamine	84	9.512	9.512	0.000	94	836322	20.0	23.6	
S 60 Diallate	86				0		20.0	20.6	
67 4-Chloro-3-methylphenol	107	9.739	9.739	0.000	96	760804	20.0	20.9	
68 Safrole, Total	162	9.830	9.830	0.000	84	582844	20.0	20.1	
69 2-Methylnaphthalene	142	9.943	9.943	0.000	92	1597372	20.0	20.0	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	93	1518863	20.0	20.2	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	96	635241	20.0	19.0	
71 Hexachlorocyclopentadiene	237	10.204	10.204	0.000	95	395713	20.0	20.1	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	84	101041	3.20	3.07	
74 2,4,6-Trichlorophenol	196	10.397	10.397	0.000	95	433810	20.0	20.9	
76 2,4,5-Trichlorophenol	196	10.454	10.454	0.000	93	454709	20.0	20.6	
$ 77 2-Fluorobiphenyl (Surr)	172	10.556	10.556	0.000	99	3092738	40.0	38.9	
78 Isosafrole Peak 2	162	10.658	10.658	0.000	85	547742	16.8	16.5	
80 1,1'-Biphenyl	154	10.703	10.703	0.000	97	1816283	20.0	19.1	
81 2-Chloronaphthalene	162	10.715	10.715	0.000	91	1314057	20.0	18.1	
82 1-Chloronaphthalene	162	10.749	10.749	0.000	97	1432087	20.0	21.0	
83 Phenyl ether	170	10.885	10.885	0.000	91	910003	20.0	19.8	
84 2-Nitroaniline	138	10.896	10.896	0.000	79	483095	20.0	21.0	
85 1,4-Naphthoquinone	158	11.010	11.010	0.000	84	586815	20.0	20.6	
86 1,4-Dinitrobenzene	168	11.135	11.135	0.000	87	203139	20.0	20.5	
S 79 Isosafrole	162				0		20.0	19.6	
87 Dimethyl phthalate	163	11.237	11.237	0.000	96	1416569	20.0	19.8	
89 1,3-Dinitrobenzene	168	11.248	11.248	0.000	82	226926	20.0	20.1	
90 2,6-Dinitrotoluene	165	11.305	11.305	0.000	85	333832	20.0	20.9	
91 Acenaphthylene	152	11.373	11.373	0.000	99	1938009	20.0	20.0	
92 3-Nitroaniline	138	11.554	11.554	0.000	90	381229	20.0	20.8	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	97	246853	5.00	5.00	
94 Acenaphthene	153	11.645	11.645	0.000	96	1400592	20.0	19.9	
95 2,4-Dinitrophenol	184	11.713	11.713	0.000	84	172721	20.0	20.9	
97 4-Nitrophenol	109	11.827	11.827	0.000	94	275827	20.0	20.0	
99 Pentachlorobenzene	250	11.827	11.827	0.000	96	545513	20.0	19.1	
101 Dibenzofuran	168	11.895	11.895	0.000	95	1801940	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.895	11.895	0.000	77	410603	20.0	19.9	
102 1-Naphthylamine	143	11.997	11.997	0.000	98	1426961	20.0	19.5	
103 2,3,4,6-Tetrachlorophenol	232	12.065	12.065	0.000	74	329199	20.0	22.0	
104 2-Naphthylamine	143	12.110	12.110	0.000	96	1400564	20.0	19.4	
105 Diethyl phthalate	149	12.246	12.246	0.000	97	1410805	20.0	19.5	
107 Fluorene	166	12.337	12.337	0.000	94	1431977	20.0	19.9	
106 Thionazin	107	12.337	12.337	0.000	76	293488	20.0	18.8	
109 4-Chlorophenyl phenyl ether	204	12.360	12.360	0.000	87	632578	20.0	19.5	
110 N-Nitro-o-toluidine	152	12.360	12.360	0.000	72	416022	20.0	21.1	
108 4-Nitroaniline	138	12.371	12.371	0.000	82	397499	20.0	20.8	
111 4,6-Dinitro-2-methylphenol	198	12.405	12.405	0.000	64	218349	20.0	21.1	
112 N-Nitrosodiphenylamine	169	12.496	12.496	0.000	67	1092308	20.0	19.6	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	42	2002800	20.0	19.4	
$ 114 2,4,6-Tribromophenol	330	12.621	12.621	0.000	93	456771	40.0	41.2	
115 Sulfotepp	97	12.723	12.723	0.000	76	309960	20.0	20.5	
116 cis-Diallate	86	12.859	12.859	0.000	95	599947	14.8	15.3	
117 Phorate	75	12.870	12.870	0.000	95	1223402	20.0	21.8	
118 Phenacetin	108	12.893	12.893	0.000	92	865952	20.0	24.2	
119 4-Bromophenyl phenyl ether	248	12.938	12.938	0.000	78	386529	20.0	20.4	M
120 trans-Diallate	86	12.961	12.961	0.000	95	213173	5.20	5.33	
121 Hexachlorobenzene	284	12.995	12.995	0.000	91	440182	20.0	19.2	
122 Dimethoate	87	13.063	13.063	0.000	97	741967	20.0	20.8	
123 Atrazine	200	13.176	13.176	0.000	92	334604	20.0	20.4	
124 Pentachlorophenol	266	13.245	13.245	0.000	93	262699	20.0	22.0	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	83	175750	20.0	21.2	
125 4-Aminobiphenyl	169	13.256	13.256	0.000	91	891461	20.0	21.2	
127 Pronamide	173	13.358	13.358	0.000	90	614340	20.0	22.3	
* 128 Phenanthrene-d10	188	13.471	13.471	0.000	97	414984	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	91	276026	20.0	21.0	
130 Phenanthrene	178	13.505	13.505	0.000	98	1990167	20.0	19.8	
131 Anthracene	178	13.574	13.574	0.000	98	2062813	20.0	20.7	
132 Carbazole	167	13.789	13.789	0.000	96	1809142	20.0	20.9	
133 Methyl parathion	109	13.993	13.993	0.000	89	552867	20.0	22.0	
134 Di-n-butyl phthalate	149	14.311	14.311	0.000	100	2420391	20.0	20.8	
135 Ethyl Parathion	109	14.538	14.538	0.000	81	332831	20.0	22.5	
136 4-Nitroquinoline-1-oxide	190	14.549	14.549	0.000	89	202091	20.0	20.8	
137 Octachlorostyrene	308	14.889	14.889	0.000	95	179678	20.0	21.0	
138 Isodrin	193	14.935	14.935	0.000	91	233427	20.0	20.4	
139 Fluoranthene	202	15.150	15.150	0.000	99	2016904	20.0	21.1	
140 Benzidine	184	15.389	15.389	0.000	100	4268369	60.0	64.0	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	97	367237	5.00	5.00	
142 Pyrene	202	15.502	15.502	0.000	97	2047868	20.0	19.7	
$ 143 p-Terphenyl-d14	244	15.786	15.786	0.000	97	2804887	40.0	40.7	
144 p-Dimethylamino azobenzene	225	16.013	16.013	0.000	92	348727	20.0	22.7	
145 Chlorobenzilate	139	16.103	16.103	0.000	85	698255	20.0	21.3	
146 3,3'-Dimethylbenzidine	212	16.580	16.580	0.000	99	1183134	20.0	21.2	
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	96	1042181	20.0	21.2	
148 2-Acetylaminofluorene	181	16.999	16.999	0.000	95	801296	20.0	22.5	
150 3,3'-Dichlorobenzidine	252	17.510	17.510	0.000	77	709601	20.0	21.8	
149 Benzo[a]anthracene	228	17.510	17.510	0.000	99	1745099	20.0	21.2	
151 4,4'-Methylene bis(2-chloroani	231	17.521	17.521	0.000	95	338150	20.0	22.7	
152 Chrysene	228	17.567	17.567	0.000	97	1793347	20.0	21.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	97	1437419	20.0	21.5	
154 6-Methylchrysene	242	18.372	18.372	0.000	99	1233176	20.0	21.7	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	99	2562513	20.0	22.5	
157 7,12-Dimethylbenz(a)anthracene	256	19.370	19.370	0.000	92	860760	20.0	21.9	
156 Benzo[b]fluoranthene	252	19.359	19.359	0.000	98	1881240	20.0	21.0	
158 Benzo[k]fluoranthene	252	19.416	19.416	0.000	99	1951178	20.0	21.7	
159 Benzo[a]pyrene	252	19.892	19.892	0.000	80	1882898	20.0	22.0	
* 160 Perylene-d12	264	19.972	19.972	0.000	96	361143	5.00	5.00	
161 3-Methylcholanthrene	268	20.459	20.459	0.000	94	925013	20.0	21.8	
162 Dibenz[a,h]acridine	279	21.276	21.276	0.000	92	1581578	20.0	21.8	
163 Dibenz[a,j]acridine	279	21.344	21.344	0.000	96	1692273	20.0	21.5	
164 Indeno[1,2,3-cd]pyrene	276	21.582	21.582	0.000	97	1948032	20.0	23.4	M
165 Dibenz(a,h)anthracene	278	21.628	21.628	0.000	94	1960818	20.0	22.7	
166 Benzo[g,h,i]perylene	276	21.968	21.968	0.000	96	2023278	20.0	22.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_7_00009 Amount Added: 1.00 Units: mL

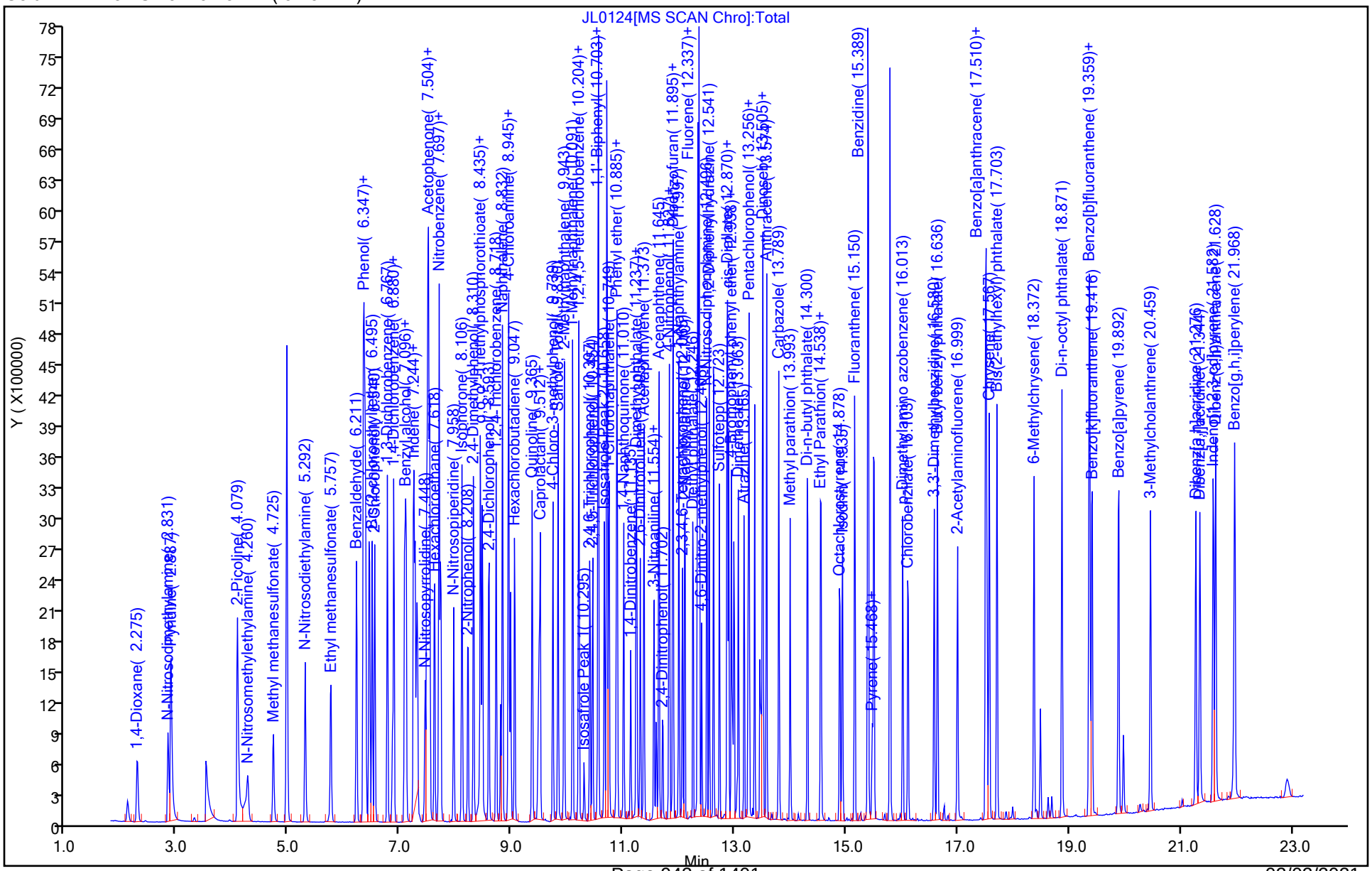
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	03-Dec-2020 16:42:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	IC L7			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

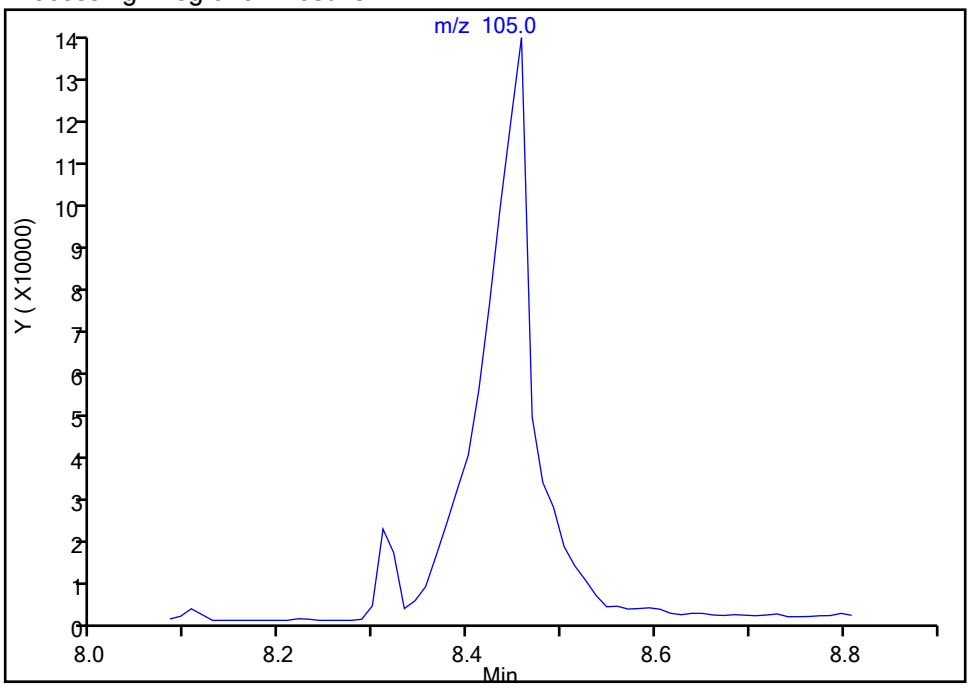
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Lims ID:	IC L7				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

50 Benzoic acid, CAS: 65-85-0

Signal: 1

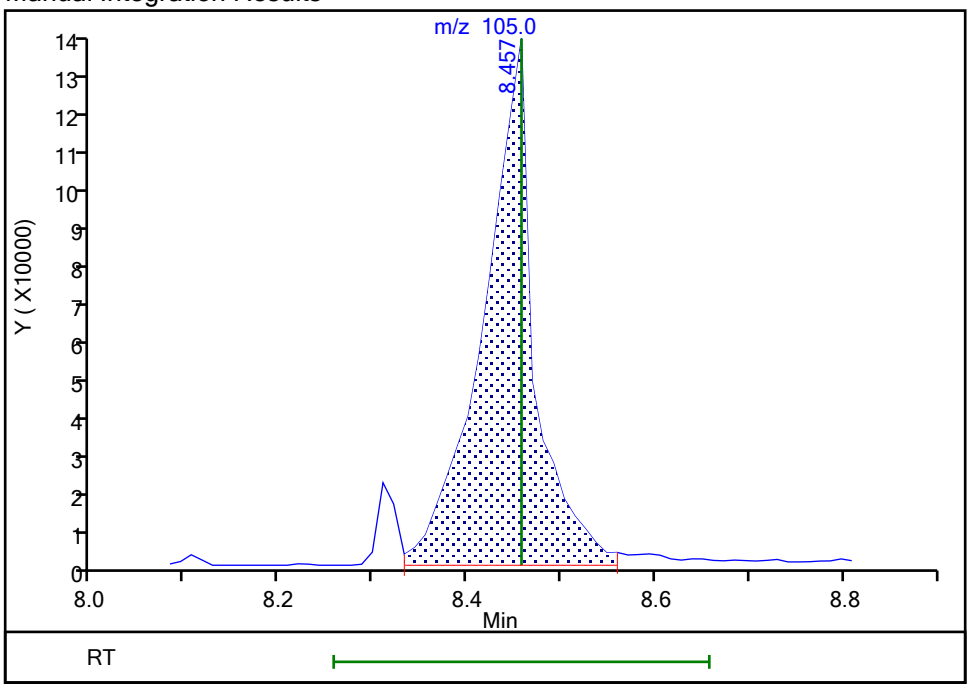
Not Detected
Expected RT: 8.46

Processing Integration Results



Manual Integration Results

RT: 8.46
Area: 522299
Amount: 19.569534
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 19:02:55
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

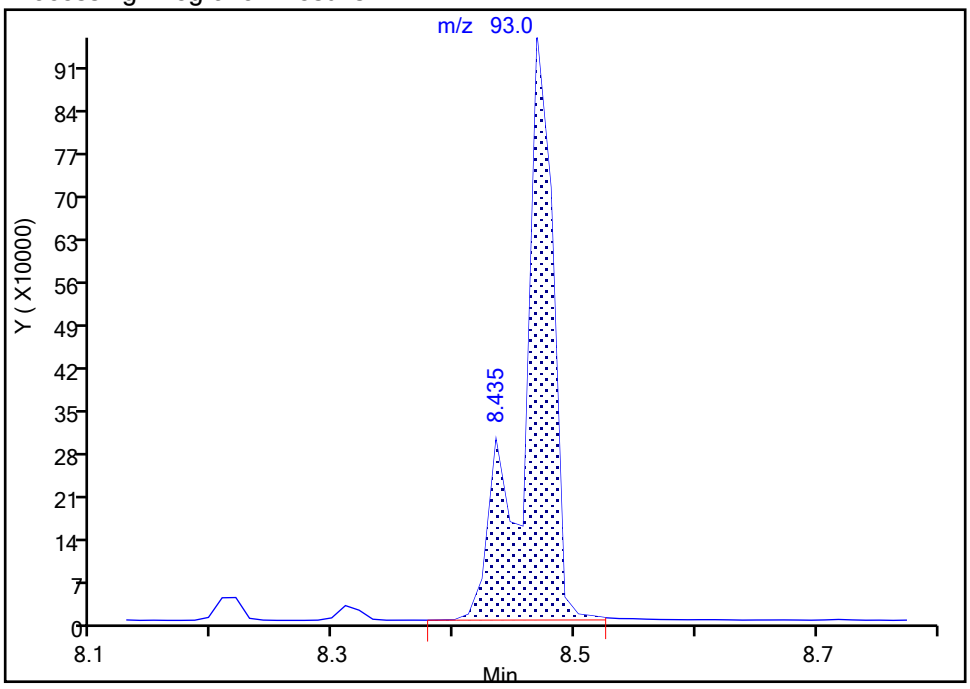
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Injection Date:	03-Dec-2020 16:42:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Signal: 1

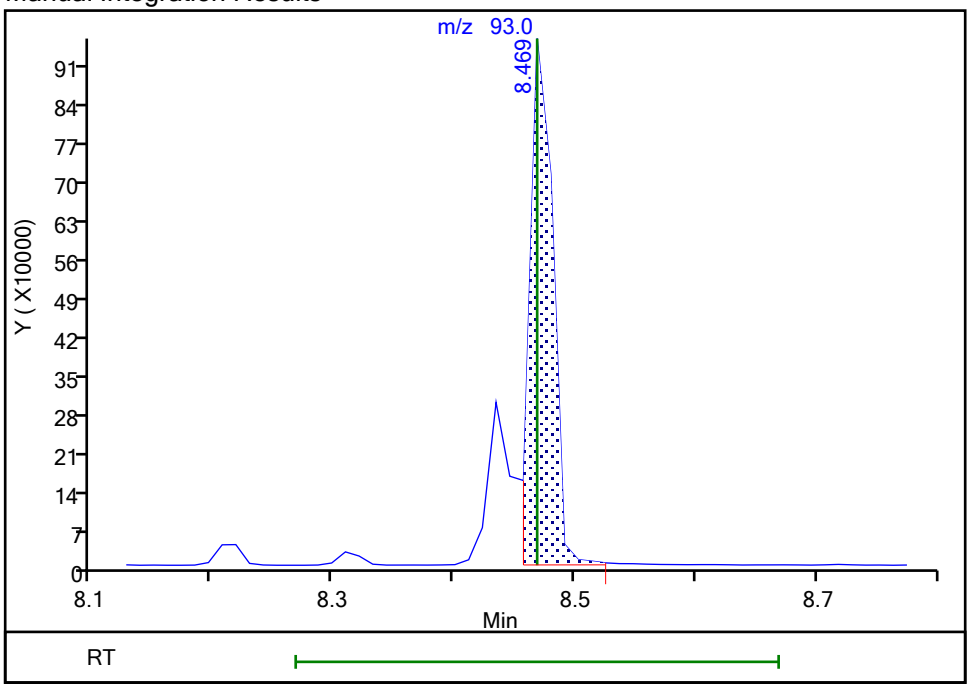
Processing Integration Results

RT: 8.43
Area: 1631834
Amount: 27.801317
Amount Units: ug/ml



Manual Integration Results

RT: 8.47
Area: 1217704
Amount: 19.302865
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 19:02:44
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

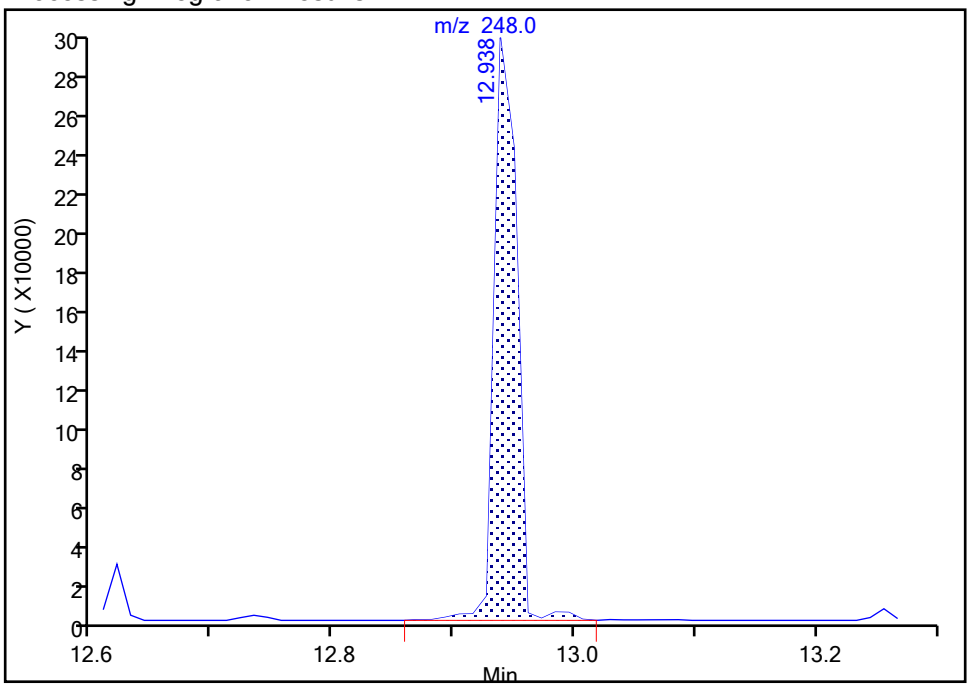
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Lims ID:	IC L7				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

119 4-Bromophenyl phenyl ether, CAS: 101-55-3

Signal: 1

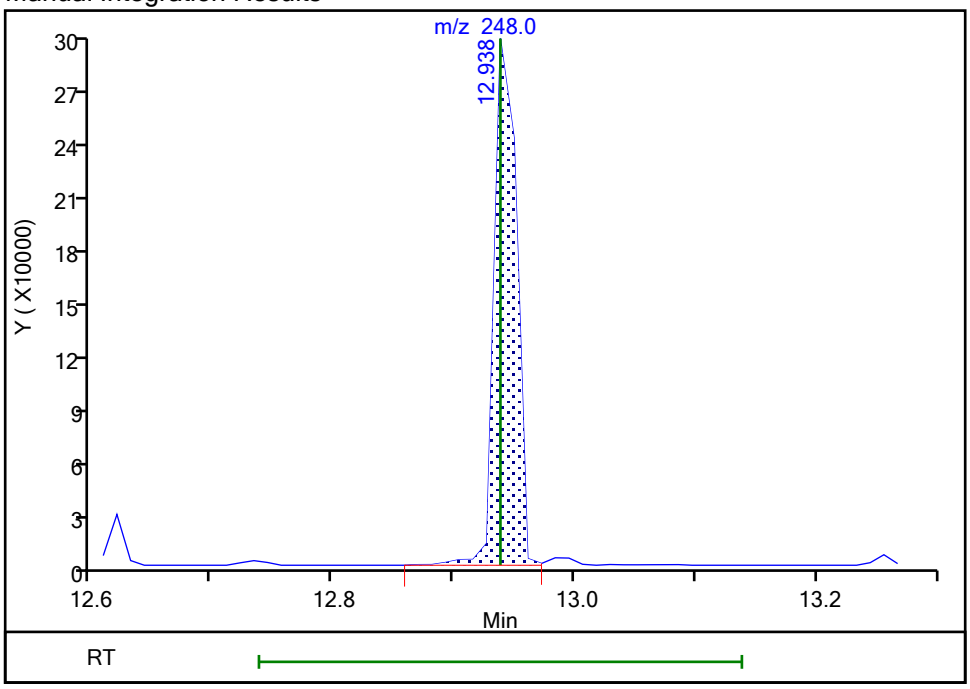
Processing Integration Results

RT: 12.94
Area: 392911
Amount: 20.175150
Amount Units: ug/ml



Manual Integration Results

RT: 12.94
Area: 386529
Amount: 20.383774
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 19:03:29

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

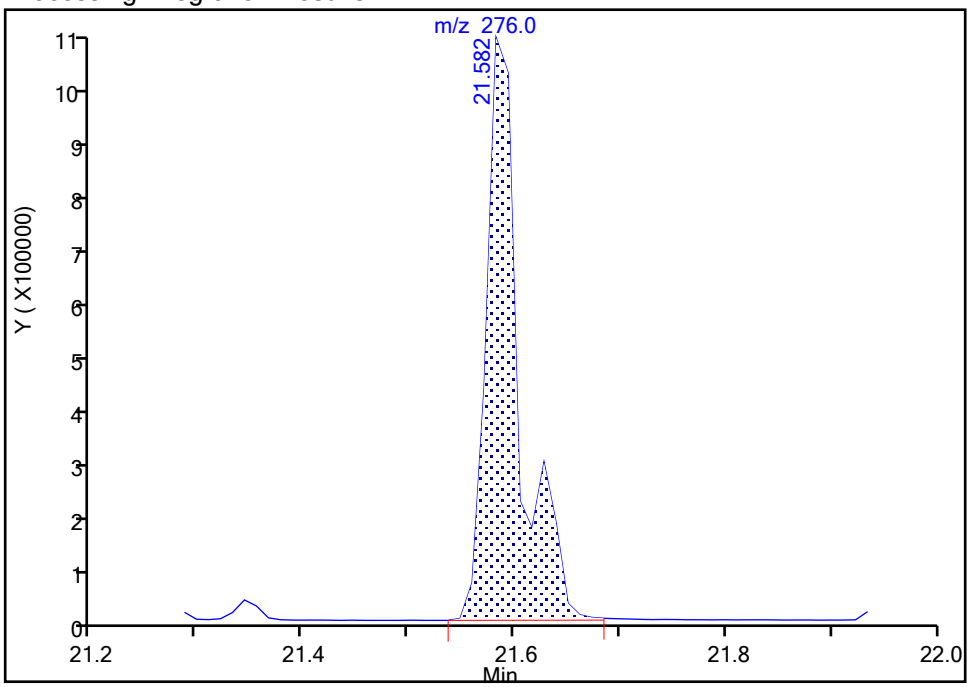
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Injection Date:	03-Dec-2020 16:42:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

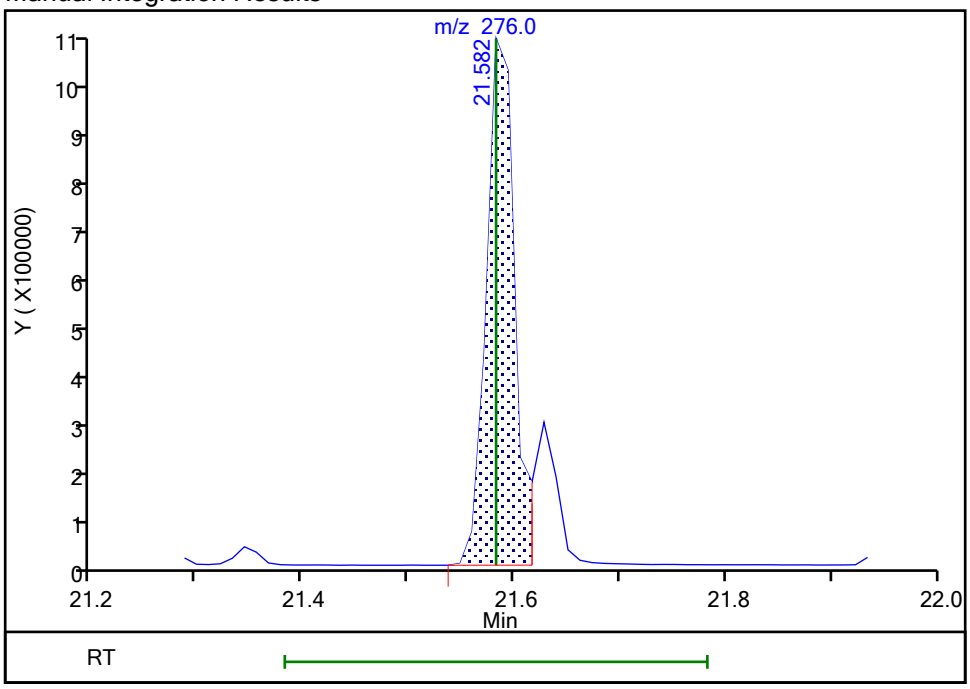
Processing Integration Results

RT: 21.58
Area: 2355256
Amount: 24.968226
Amount Units: ug/ml



Manual Integration Results

RT: 21.58
Area: 1948032
Amount: 23.419436
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 19:03:54
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0125.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Dec-2020 17:13:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L6
Misc. Info.: 410-0016969-006
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub7

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 03-Dec-2020 21:42:49 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: luttek Date: 03-Dec-2020 21:31:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.286	2.286	0.000	99	359048	12.5	12.4	
3 N-Nitrosodimethylamine	74	2.842	2.842	0.000	96	565690	12.5	12.7	
4 Pyridine	79	2.887	2.887	0.000	93	1030613	12.5	12.7	
8 2-Picoline	93	4.078	4.078	0.000	94	947470	12.5	12.8	
10 N-Nitrosomethylethylamine	88	4.260	4.260	0.000	96	412852	12.5	12.6	
11 Methyl methanesulfonate	80	4.725	4.725	0.000	85	409434	12.5	12.7	
$ 12 2-Fluorophenol	112	4.963	4.963	0.000	95	1491288	25.0	25.8	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	90	363929	12.5	13.3	
15 Ethyl methanesulfonate	109	5.757	5.757	0.000	96	385485	12.5	12.9	
19 Benzaldehyde	77	6.211	6.211	0.000	92	726430	12.5	13.2	
$ 20 Phenol-d5	99	6.336	6.336	0.000	95	1999258	25.0	26.7	
21 Phenol	94	6.359	6.359	0.000	95	1175425	12.5	13.3	
23 Aniline	93	6.370	6.370	0.000	97	1324321	12.5	13.0	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	92	868962	12.5	12.8	
S 46 Dinitrotoluene	165				0		25.0	25.9	
25 2-Chlorophenol	128	6.540	6.540	0.000	95	734267	12.5	13.0	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	95	776848	12.5	12.9	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	98	188724	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	90	792660	12.5	13.0	
30 Benzyl alcohol	108	7.073	7.073	0.000	90	504408	12.5	13.2	
31 1,2-Dichlorobenzene	146	7.107	7.107	0.000	95	741745	12.5	12.7	
34 Indene	115	7.232	7.232	0.000	88	1066923	12.5	12.9	
33 2-Methylphenol	108	7.266	7.266	0.000	95	712617	12.5	13.2	
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	93	1465323	12.5	12.8	
36 N-Nitrosopyrrolidine	100	7.436	7.436	0.000	88	388794	12.5	13.2	
38 Acetophenone	105	7.470	7.470	0.000	93	1167663	12.5	13.6	
39 N-Nitrosodi-n-propylamine	70	7.493	7.493	0.000	86	644778	12.5	13.1	
37 4-Methylphenol	108	7.493	7.493	0.000	89	809555	12.5	13.5	
40 N-Nitrosomorpholine	56	7.516	7.516	0.000	91	570499	12.5	13.1	
41 2-Toluidine	106	7.527	7.527	0.000	96	1195808	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.606	7.606	0.000	95	365264	12.5	12.7	
$ 43 Nitrobenzene-d5	82	7.697	7.697	0.000	90	1837149	25.0	25.8	
44 Nitrobenzene	77	7.720	7.720	0.000	89	940819	12.5	12.6	
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	82	354251	12.5	12.7	
47 Isophorone	82	8.106	8.106	0.000	99	1549012	12.5	13.1	
48 2-Nitrophenol	139	8.219	8.219	0.000	96	358996	12.5	13.6	
49 2,4-Dimethylphenol	107	8.310	8.310	0.000	99	756967	12.5	13.2	
51 o,o',o''-Triethylphosphorothioat	198	8.435	8.435	0.000	94	263910	12.5	12.6	
50 Benzoic acid	105	8.446	8.446	0.000	87	397173	12.5	12.8	Ma
52 Bis(2-chloroethoxy)methane	93	8.469	8.469	0.000	93	1023482	12.5	13.2	a
54 2,4-Dichlorophenol	162	8.593	8.593	0.000	97	549505	12.5	13.4	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	93	592197	12.5	12.7	
* 56 Naphthalene-d8	136	8.798	8.798	0.000	99	732711	5.00	5.00	
57 Naphthalene	128	8.832	8.832	0.000	98	2011674	12.5	12.5	
58 4-Chloroaniline	127	8.945	8.945	0.000	94	798361	12.5	13.1	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	89	516313	12.5	13.2	
61 Hexachloropropene	213	8.979	8.979	0.000	94	311686	12.5	12.6	
62 Hexachlorobutadiene	225	9.047	9.047	0.000	97	318404	12.5	12.4	
63 Quinoline	129	9.365	9.365	0.000	95	1212569	12.5	13.0	
64 Caprolactam	113	9.478	9.478	0.000	74	211624	12.5	14.4	
65 N-Nitrosodi-n-butylamine	84	9.512	9.512	0.000	93	528169	12.5	12.1	
S 60 Diallate	86				0		12.5	13.1	
67 4-Chloro-3-methylphenol	107	9.739	9.739	0.000	96	603047	12.5	13.4	
68 Safrole, Total	162	9.830	9.830	0.000	84	456425	12.5	12.8	
69 2-Methylnaphthalene	142	9.943	9.943	0.000	92	1252386	12.5	12.8	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	93	1196717	12.5	12.9	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	98	512988	12.5	12.5	
71 Hexachlorocyclopentadiene	237	10.204	10.204	0.000	95	300014	12.5	12.4	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	85	80745	2.00	1.99	
74 2,4,6-Trichlorophenol	196	10.397	10.397	0.000	95	342205	12.5	13.4	
76 2,4,5-Trichlorophenol	196	10.454	10.454	0.000	93	362957	12.5	13.3	
$ 77 2-Fluorobiphenyl (Surr)	172	10.556	10.556	0.000	99	2454832	25.0	25.1	
78 Isosafrole Peak 2	162	10.658	10.658	0.000	86	439587	10.5	10.7	
80 1,1'-Biphenyl	154	10.703	10.703	0.000	97	1545019	12.5	13.2	
81 2-Chloronaphthalene	162	10.715	10.715	0.000	97	1063255	12.5	11.9	
82 1-Chloronaphthalene	162	10.749	10.749	0.000	97	1134221	12.5	13.5	
83 Phenyl ether	170	10.885	10.885	0.000	89	720184	12.5	12.7	
84 2-Nitroaniline	138	10.896	10.896	0.000	80	386601	12.5	13.7	
85 1,4-Naphthoquinone	158	11.010	11.010	0.000	83	445163	12.5	12.7	
86 1,4-Dinitrobenzene	168	11.134	11.134	0.000	87	160858	12.5	13.2	
S 79 Isosafrole	162				0		12.5	12.7	
87 Dimethyl phthalate	163	11.237	11.237	0.000	96	1127709	12.5	12.8	
89 1,3-Dinitrobenzene	168	11.248	11.248	0.000	82	189005	12.5	13.6	
90 2,6-Dinitrotoluene	165	11.305	11.305	0.000	86	258222	12.5	13.1	
91 Acenaphthylene	152	11.373	11.373	0.000	99	1531835	12.5	12.8	
92 3-Nitroaniline	138	11.554	11.554	0.000	90	301758	12.5	13.3	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	94	304031	5.00	5.00	
94 Acenaphthene	153	11.645	11.645	0.000	97	1107474	12.5	12.8	
95 2,4-Dinitrophenol	184	11.713	11.713	0.000	80	131618	12.5	13.0	
97 4-Nitrophenol	109	11.815	11.815	0.000	92	215937	12.5	12.7	
99 Pentachlorobenzene	250	11.826	11.826	0.000	96	435927	12.5	12.4	
101 Dibenzofuran	168	11.894	11.894	0.000	96	1422880	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.894	11.894	0.000	78	325901	12.5	12.8	
102 1-Naphthylamine	143	11.997	11.997	0.000	99	1113018	12.5	12.4	
103 2,3,4,6-Tetrachlorophenol	232	12.065	12.065	0.000	75	255822	12.5	13.9	
104 2-Naphthylamine	143	12.099	12.099	0.000	96	1079007	12.5	12.2	
105 Diethyl phthalate	149	12.246	12.246	0.000	96	1116077	12.5	12.5	
107 Fluorene	166	12.337	12.337	0.000	94	1147769	12.5	12.9	
106 Thionazin	107	12.337	12.337	0.000	75	245027	12.5	12.7	
109 4-Chlorophenyl phenyl ether	204	12.360	12.360	0.000	84	505125	12.5	12.7	
110 N-Nitro-o-toluidine	152	12.360	12.360	0.000	71	310561	12.5	12.8	
108 4-Nitroaniline	138	12.371	12.371	0.000	85	314210	12.5	13.3	
111 4,6-Dinitro-2-methylphenol	198	12.405	12.405	0.000	71	164899	12.5	12.9	
112 N-Nitrosodiphenylamine	169	12.496	12.496	0.000	66	887249	12.5	12.9	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	42	1670342	12.5	13.1	
$ 114 2,4,6-Tribromophenol	330	12.620	12.620	0.000	93	364707	25.0	26.7	
115 Sulfotepp	97	12.723	12.723	0.000	77	243568	12.5	13.1	
116 cis-Diallate	86	12.859	12.859	0.000	94	474156	9.25	9.78	
117 Phorate	75	12.870	12.870	0.000	95	960319	12.5	13.9	
118 Phenacetin	108	12.893	12.893	0.000	93	639043	12.5	14.5	
119 4-Bromophenyl phenyl ether	248	12.938	12.938	0.000	78	302617	12.5	12.9	
120 trans-Diallate	86	12.961	12.961	0.000	95	162058	3.25	3.28	
121 Hexachlorobenzene	284	12.983	12.983	0.000	91	345858	12.5	12.2	
122 Dimethoate	87	13.063	13.063	0.000	97	581688	12.5	13.2	
123 Atrazine	200	13.165	13.165	0.000	80	268224	12.5	13.2	
124 Pentachlorophenol	266	13.244	13.244	0.000	93	200053	12.5	13.6	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	54	133297	12.5	13.0	
125 4-Aminobiphenyl	169	13.256	13.256	0.000	91	694271	12.5	13.4	
127 Pronamide	173	13.358	13.358	0.000	90	468322	12.5	13.8	
* 128 Phenanthrene-d10	188	13.471	13.471	0.000	97	511850	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	92	203169	12.5	13.1	
130 Phenanthrene	178	13.505	13.505	0.000	98	1557854	12.5	12.6	
131 Anthracene	178	13.573	13.573	0.000	98	1607770	12.5	13.1	
132 Carbazole	167	13.789	13.789	0.000	96	1402350	12.5	13.1	
133 Methyl parathion	109	13.993	13.993	0.000	90	424809	12.5	13.7	
134 Di-n-butyl phthalate	149	14.299	14.299	0.000	100	1865233	12.5	13.0	
135 Ethyl Parathion	109	14.538	14.538	0.000	82	250130	12.5	13.7	
136 4-Nitroquinoline-1-oxide	190	14.549	14.549	0.000	89	145948	12.5	13.3	
137 Octachlorostyrene	308	14.889	14.889	0.000	94	138203	12.5	13.1	
138 Isodrin	193	14.935	14.935	0.000	92	182844	12.5	13.0	
139 Fluoranthene	202	15.150	15.150	0.000	99	1569100	12.5	13.3	
140 Benzidine	184	15.388	15.388	0.000	99	3080288	37.5	37.8	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	98	448958	5.00	5.00	
142 Pyrene	202	15.491	15.491	0.000	95	1570335	12.5	12.3	
$ 143 p-Terphenyl-d14	244	15.785	15.785	0.000	97	2120476	25.0	25.2	
144 p-Dimethylamino azobenzene	225	16.012	16.012	0.000	92	260974	12.5	13.9	
145 Chlorobenzilate	139	16.103	16.103	0.000	85	516972	12.5	12.9	
146 3,3'-Dimethylbenzidine	212	16.580	16.580	0.000	99	879716	12.5	12.9	
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	96	767137	12.5	12.8	
148 2-Acetylaminofluorene	181	16.999	16.999	0.000	95	574919	12.5	13.2	
150 3,3'-Dichlorobenzidine	252	17.498	17.498	0.000	62	534536	12.5	13.5	
149 Benzo[a]anthracene	228	17.510	17.510	0.000	99	1322618	12.5	13.2	
151 4,4'-Methylene bis(2-chloroani	231	17.521	17.521	0.000	95	255648	12.5	14.0	
152 Chrysene	228	17.567	17.567	0.000	97	1346925	12.5	13.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	97	1048009	12.5	12.8	
154 6-Methylchrysene	242	18.372	18.372	0.000	99	921799	12.5	13.3	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	99	1831793	12.5	12.7	
156 Benzo[b]fluoranthene	252	19.359	19.359	0.000	98	1453124	12.5	12.9	
157 7,12-Dimethylbenz(a)anthracene	256	19.370	19.370	0.000	91	630638	12.5	12.7	
158 Benzo[k]fluoranthene	252	19.404	19.404	0.000	98	1482347	12.5	13.1	
159 Benzo[a]pyrene	252	19.881	19.881	0.000	80	1417478	12.5	13.1	
* 160 Perylene-d12	264	19.971	19.971	0.000	96	456469	5.00	5.00	
161 3-Methylcholanthrene	268	20.459	20.459	0.000	94	715857	12.5	13.3	
162 Dibenz[a,h]acridine	279	21.276	21.276	0.000	92	1218494	12.5	13.3	
163 Dibenz[a,j]acridine	279	21.344	21.344	0.000	96	1289047	12.5	13.0	
164 Indeno[1,2,3-cd]pyrene	276	21.582	21.582	0.000	97	1433970	12.5	13.6	
165 Dibenz(a,h)anthracene	278	21.628	21.628	0.000	94	1490276	12.5	13.6	
166 Benzo[g,h,i]perylene	276	21.968	21.968	0.000	96	1579409	12.5	13.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00010 Amount Added: 1.00 Units: mL

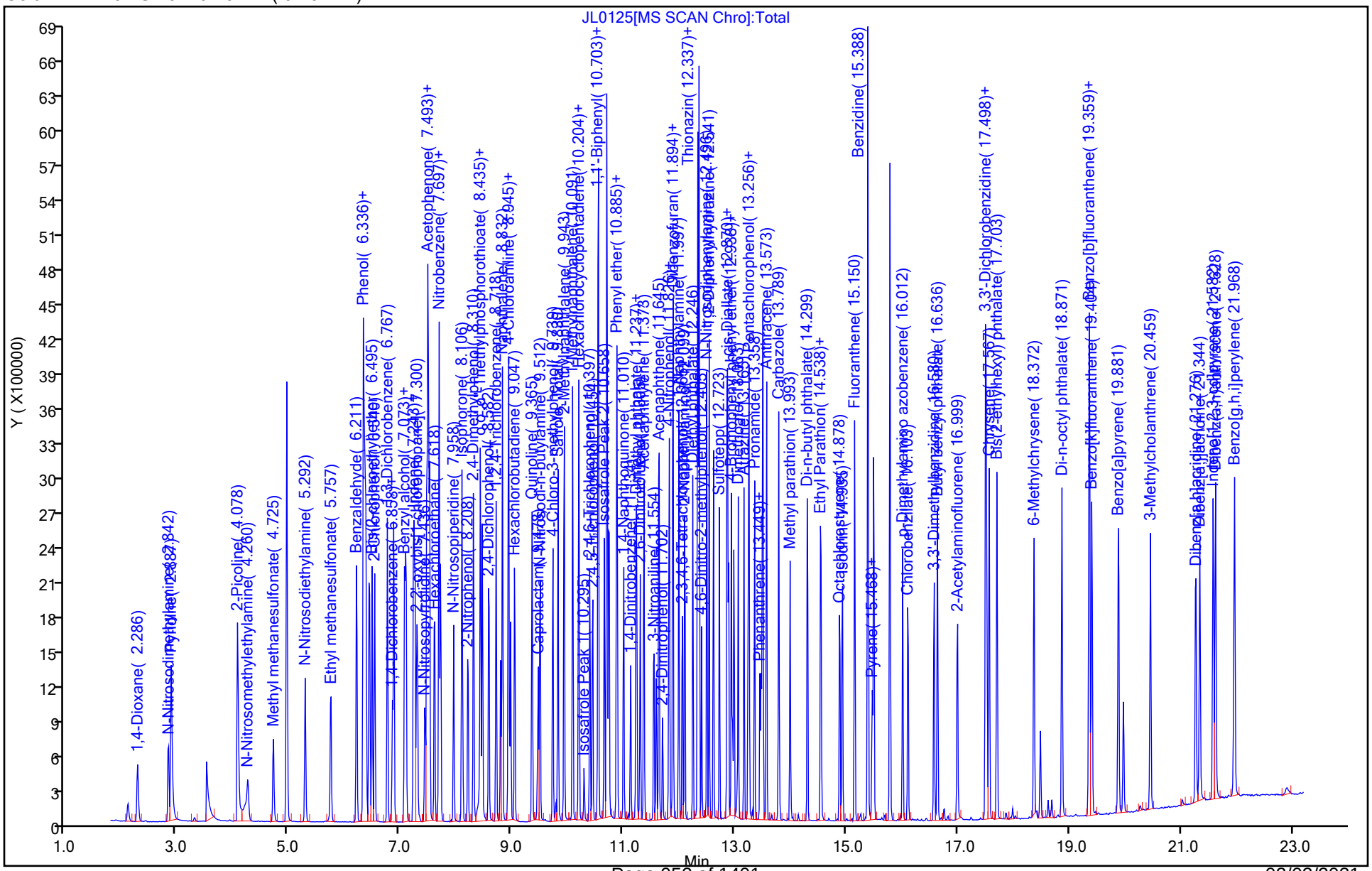
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0125.D

Injection Date:	03-Dec-2020 17:13:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	IC L6			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

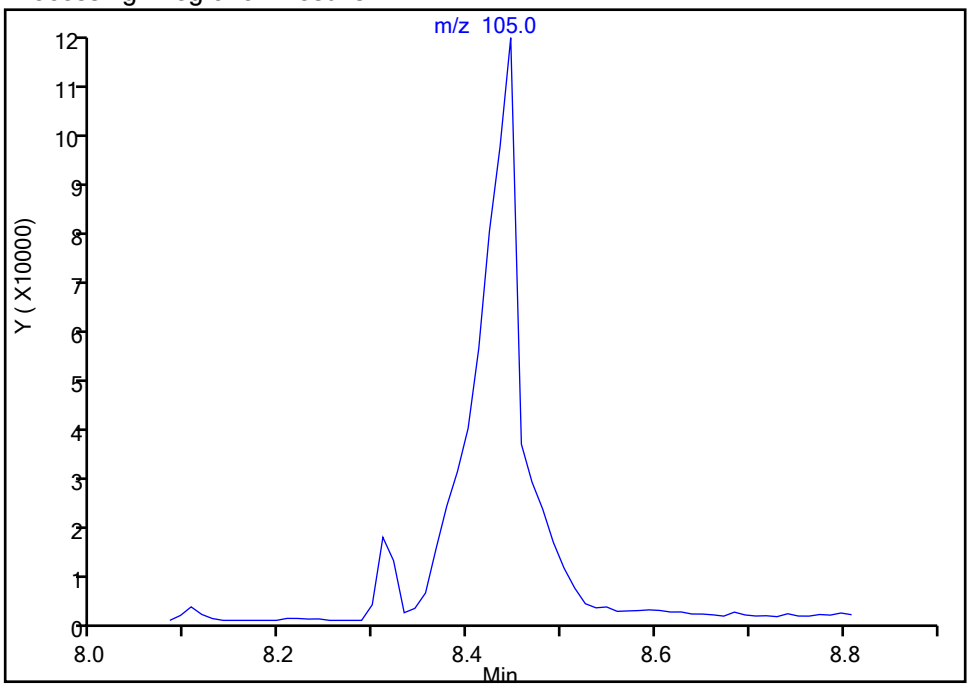
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Injection Date: 03-Dec-2020 17:13:30 Instrument ID: HP23264
Lims ID: IC L6
Client ID:
Operator ID: knb25316 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

50 Benzoic acid, CAS: 65-85-0

Signal: 1

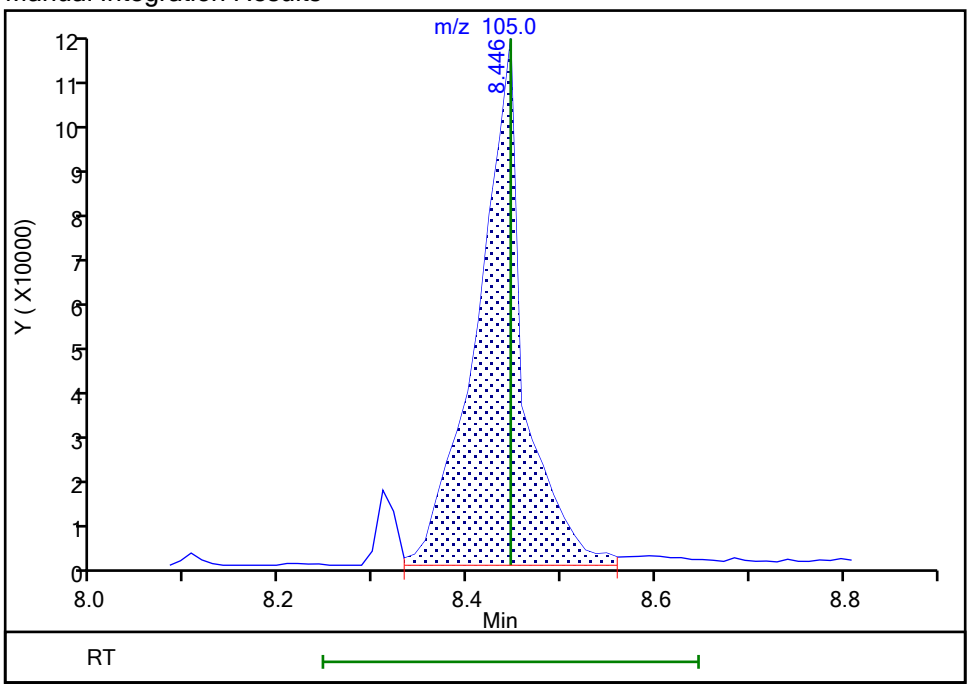
Not Detected
Expected RT: 8.45

Processing Integration Results



Manual Integration Results

RT: 8.45
Area: 397173
Amount: 12.814835
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:30:28
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

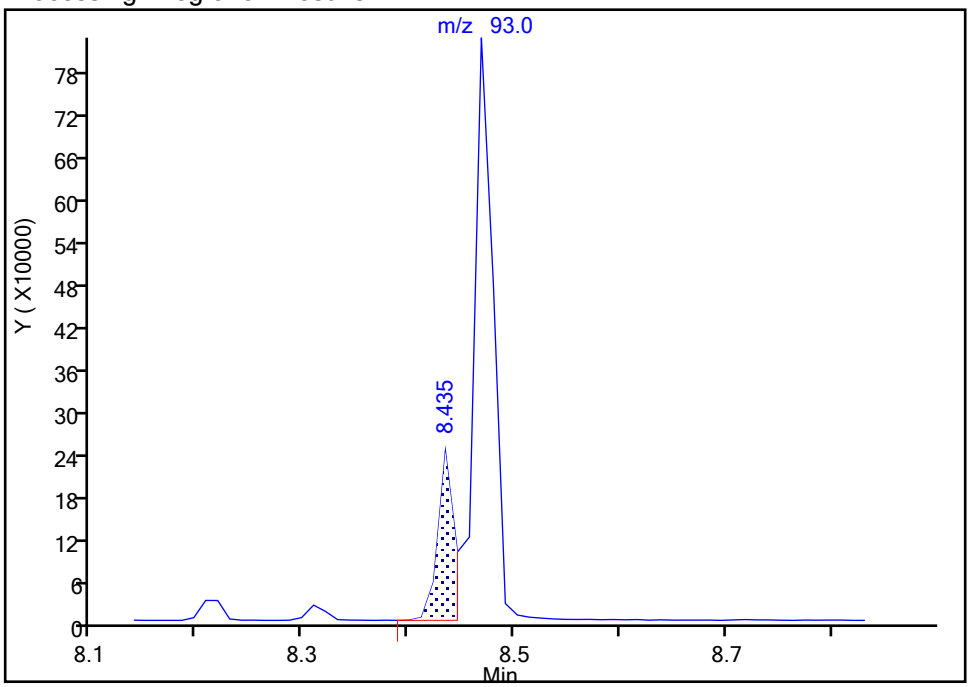
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Injection Date:	03-Dec-2020 17:13:30	Instrument ID:	HP23264		
Lims ID:	IC L6				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Signal: 1

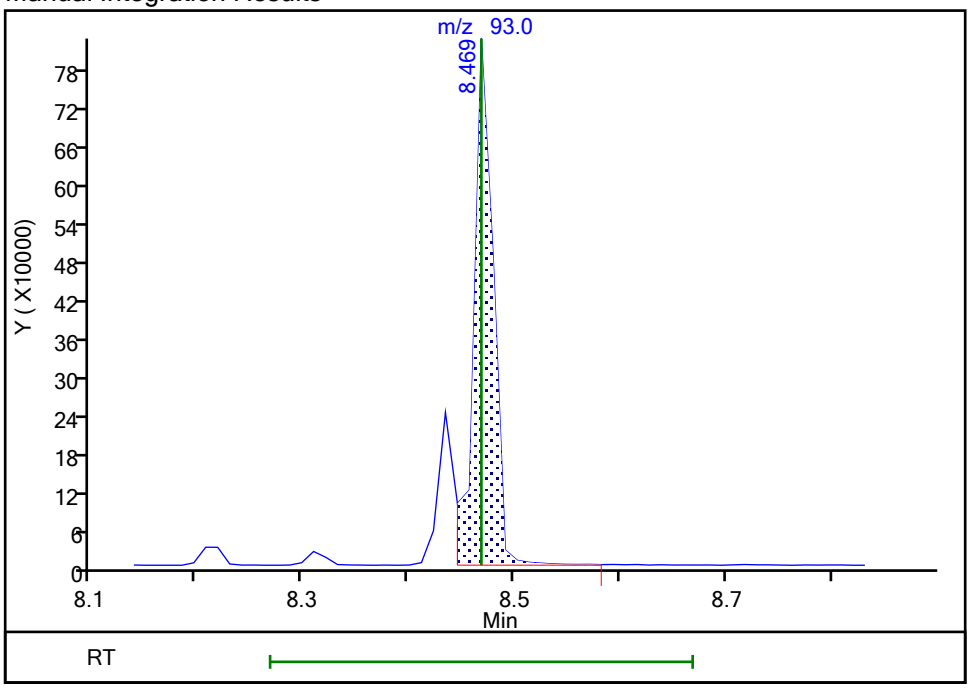
Processing Integration Results

RT: 8.43
Area: 234118
Amount: 3.408997
Amount Units: ug/ml



Manual Integration Results

RT: 8.47
Area: 1023482
Amount: 13.172600
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:30:37
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0126.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 03-Dec-2020 17:43:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0016969-007
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub7

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 03-Dec-2020 21:43:05 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: luttek Date: 03-Dec-2020 21:33:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.286	2.286	0.000	98	91789	3.75	3.75	
3 N-Nitrosodimethylamine	74	2.842	2.842	0.000	95	143294	3.75	3.82	
4 Pyridine	79	2.899	2.899	0.000	94	276834	3.75	4.02	
8 2-Picoline	93	4.078	4.078	0.000	90	234805	3.75	3.74	
10 N-Nitrosomethylethylamine	88	4.260	4.260	0.000	95	106883	3.75	3.87	
11 Methyl methanesulfonate	80	4.714	4.714	0.000	85	106810	3.75	3.93	
$ 12 2-Fluorophenol	112	4.963	4.963	0.000	95	384201	7.50	7.86	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	91	89568	3.75	3.88	
15 Ethyl methanesulfonate	109	5.746	5.746	0.000	96	97045	3.75	3.85	
19 Benzaldehyde	77	6.211	6.211	0.000	93	196644	3.75	4.24	
$ 20 Phenol-d5	99	6.336	6.336	0.000	95	495625	7.50	7.84	
21 Phenol	94	6.347	6.347	0.000	96	291211	3.75	3.92	
23 Aniline	93	6.370	6.370	0.000	97	335533	3.75	3.90	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	92	223525	3.75	3.89	
S 46 Dinitrotoluene	165				0		7.50	7.77	
25 2-Chlorophenol	128	6.540	6.540	0.000	96	184823	3.75	3.87	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	95	199718	3.75	3.92	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	97	159361	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	91	203253	3.75	3.95	
30 Benzyl alcohol	108	7.073	7.073	0.000	89	125424	3.75	3.88	
31 1,2-Dichlorobenzene	146	7.096	7.096	0.000	95	190772	3.75	3.88	
34 Indene	115	7.232	7.232	0.000	89	276914	3.75	3.97	
33 2-Methylphenol	108	7.255	7.255	0.000	96	179263	3.75	3.94	
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	93	372387	3.75	3.85	
36 N-Nitrosopyrrolidine	100	7.436	7.436	0.000	90	98462	3.75	3.96	
38 Acetophenone	105	7.470	7.470	0.000	95	284893	3.75	3.93	
39 N-Nitrosodi-n-propylamine	70	7.493	7.493	0.000	87	166364	3.75	4.02	
37 4-Methylphenol	108	7.493	7.493	0.000	88	208836	3.75	4.11	
40 N-Nitrosomorpholine	56	7.504	7.504	0.000	92	144806	3.75	3.93	
41 2-Toluidine	106	7.516	7.516	0.000	96	311585	3.75	4.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.606	7.606	0.000	94	92611	3.75	3.82	
$ 43 Nitrobenzene-d5	82	7.686	7.686	0.000	91	462280	7.50	7.88	
44 Nitrobenzene	77	7.720	7.720	0.000	88	235263	3.75	3.83	
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	82	88204	3.75	3.84	
47 Isophorone	82	8.106	8.106	0.000	99	379048	3.75	3.89	
48 2-Nitrophenol	139	8.208	8.208	0.000	94	85219	3.75	3.92	
49 2,4-Dimethylphenol	107	8.310	8.310	0.000	98	185777	3.75	3.94	
51 o,o',o''-Triethylphosphorothioat	198	8.435	8.435	0.000	93	67475	3.75	3.91	
50 Benzoic acid	105	8.412	8.412	0.000	90	160100	7.50	7.25	Ma
52 Bis(2-chloroethoxy)methane	93	8.469	8.469	0.000	94	256626	3.75	4.01	
54 2,4-Dichlorophenol	162	8.582	8.582	0.000	97	135181	3.75	4.00	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	94	150593	3.75	3.92	
* 56 Naphthalene-d8	136	8.798	8.798	0.000	99	603610	5.00	5.00	
57 Naphthalene	128	8.832	8.832	0.000	97	525815	3.75	3.96	
58 4-Chloroaniline	127	8.934	8.934	0.000	93	202229	3.75	4.02	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	95	127344	3.75	3.96	
61 Hexachloropropene	213	8.979	8.979	0.000	95	79349	3.75	3.90	
62 Hexachlorobutadiene	225	9.047	9.047	0.000	96	80067	3.75	3.78	
63 Quinoline	129	9.365	9.365	0.000	96	307141	3.75	3.99	
64 Caprolactam	113	9.444	9.444	0.000	75	46023	3.75	3.79	
65 N-Nitrosodi-n-butylamine	84	9.501	9.501	0.000	95	128519	3.75	3.58	
S 60 Diallate	86				0		3.75	3.84	
67 4-Chloro-3-methylphenol	107	9.728	9.728	0.000	94	145518	3.75	3.93	
68 Safrole, Total	162	9.830	9.830	0.000	86	112853	3.75	3.84	
69 2-Methylnaphthalene	142	9.943	9.943	0.000	92	315307	3.75	3.90	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	92	296710	3.75	3.89	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	98	131784	3.75	3.95	
71 Hexachlorocyclopentadiene	237	10.193	10.193	0.000	94	76406	3.75	3.88	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	86	20383	0.6000	0.6193	M
74 2,4,6-Trichlorophenol	196	10.397	10.397	0.000	95	81242	3.75	3.90	
76 2,4,5-Trichlorophenol	196	10.442	10.442	0.000	90	88729	3.75	4.01	
$ 77 2-Fluorobiphenyl (Surr)	172	10.545	10.545	0.000	99	622451	7.50	7.82	
78 Isosafrole Peak 2	162	10.658	10.658	0.000	86	107850	3.15	3.24	
80 1,1'-Biphenyl	154	10.703	10.703	0.000	96	379253	3.75	3.98	
81 2-Chloronaphthalene	162	10.715	10.715	0.000	84	291209	3.75	4.00	M
82 1-Chloronaphthalene	162	10.737	10.737	0.000	96	267406	3.75	3.91	Ma
83 Phenyl ether	170	10.885	10.885	0.000	91	184638	3.75	4.01	
84 2-Nitroaniline	138	10.885	10.885	0.000	76	89673	3.75	3.90	
85 1,4-Naphthoquinone	158	11.010	11.010	0.000	82	109537	3.75	3.85	
86 1,4-Dinitrobenzene	168	11.134	11.134	0.000	87	37561	3.75	3.79	
S 79 Isosafrole	162				0		3.75	3.86	
87 Dimethyl phthalate	163	11.225	11.225	0.000	97	285005	3.75	3.97	
89 1,3-Dinitrobenzene	168	11.237	11.237	0.000	78	42954	3.75	3.80	
90 2,6-Dinitrotoluene	165	11.305	11.305	0.000	90	64022	3.75	4.00	
91 Acenaphthylene	152	11.373	11.373	0.000	99	383420	3.75	3.96	
92 3-Nitroaniline	138	11.543	11.543	0.000	90	73602	3.75	4.00	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	97	247058	5.00	5.00	
94 Acenaphthene	153	11.634	11.634	0.000	96	275941	3.75	3.92	
95 2,4-Dinitrophenol	184	11.702	11.702	0.000	79	54899	7.50	6.65	
97 4-Nitrophenol	109	11.815	11.815	0.000	93	48460	3.75	3.51	
99 Pentachlorobenzene	250	11.826	11.826	0.000	97	112492	3.75	3.93	
101 Dibenzofuran	168	11.883	11.883	0.000	94	363819	3.75	3.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.895	11.895	0.000	91	77945	3.75	3.77	
102 1-Naphthylamine	143	11.997	11.997	0.000	99	285417	3.75	3.90	
103 2,3,4,6-Tetrachlorophenol	232	12.065	12.065	0.000	82	58564	3.75	3.91	
104 2-Naphthylamine	143	12.099	12.099	0.000	96	273059	3.75	3.78	
105 Diethyl phthalate	149	12.246	12.246	0.000	98	291487	3.75	4.02	
107 Fluorene	166	12.326	12.326	0.000	94	278292	3.75	3.86	
106 Thionazin	107	12.337	12.337	0.000	72	62935	3.75	4.02	
109 4-Chlorophenyl phenyl ether	204	12.360	12.360	0.000	85	127427	3.75	3.93	
110 N-Nitro-o-toluidine	152	12.360	12.360	0.000	74	77083	3.75	3.90	
108 4-Nitroaniline	138	12.360	12.360	0.000	79	79001	3.75	4.13	
111 4,6-Dinitro-2-methylphenol	198	12.405	12.405	0.000	83	35126	3.75	3.30	
112 N-Nitrosodiphenylamine	169	12.496	12.496	0.000	64	232229	3.75	4.06	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	42	405603	3.75	3.83	
$ 114 2,4,6-Tribromophenol	330	12.621	12.621	0.000	95	88535	7.50	7.98	
115 Sulfotepp	97	12.723	12.723	0.000	78	59751	3.75	3.85	
116 cis-Diallate	86	12.859	12.859	0.000	90	113482	2.78	2.81	
117 Phorate	75	12.870	12.870	0.000	95	217549	3.75	3.77	
118 Phenacetin	108	12.881	12.881	0.000	89	142507	3.75	3.87	
119 4-Bromophenyl phenyl ether	248	12.938	12.938	0.000	73	76406	3.75	3.92	
120 trans-Diallate	86	12.961	12.961	0.000	93	42238	0.9750	1.03	
121 Hexachlorobenzene	284	12.984	12.984	0.000	93	90940	3.75	3.86	
122 Dimethoate	87	13.063	13.063	0.000	97	134065	3.75	3.65	
123 Atrazine	200	13.165	13.165	0.000	87	66487	3.75	3.93	
124 Pentachlorophenol	266	13.233	13.233	0.000	90	43810	3.75	3.56	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	85	32334	3.75	3.79	
125 4-Aminobiphenyl	169	13.256	13.256	0.000	91	167307	3.75	3.87	
127 Pronamide	173	13.358	13.358	0.000	91	108423	3.75	3.82	
* 128 Phenanthrene-d10	188	13.471	13.471	0.000	96	426593	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	93	40727	3.75	3.43	
130 Phenanthrene	178	13.505	13.505	0.000	98	395710	3.75	3.83	
131 Anthracene	178	13.573	13.573	0.000	98	399434	3.75	3.90	
132 Carbazole	167	13.789	13.789	0.000	96	349741	3.75	3.93	
133 Methyl parathion	109	13.993	13.993	0.000	89	92348	3.75	3.58	
134 Di-n-butyl phthalate	149	14.299	14.299	0.000	100	437543	3.75	3.66	
135 Ethyl Parathion	109	14.538	14.538	0.000	81	55126	3.75	3.62	
136 4-Nitroquinoline-1-oxide	190	14.549	14.549	0.000	78	24097	3.75	3.15	
137 Octachlorostyrene	308	14.878	14.878	0.000	94	34830	3.75	3.96	
138 Isodrin	193	14.935	14.935	0.000	90	46253	3.75	3.94	
139 Fluoranthene	202	15.150	15.150	0.000	99	383854	3.75	3.91	
140 Benzidine	184	15.388	15.388	0.000	100	757081	11.3	11.3	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	97	367490	5.00	5.00	
142 Pyrene	202	15.491	15.491	0.000	96	401845	3.75	3.86	
$ 143 p-Terphenyl-d14	244	15.786	15.786	0.000	98	542525	7.50	7.87	
144 p-Dimethylamino azobenzene	225	16.012	16.012	0.000	92	59523	3.75	3.87	
145 Chlorobenzilate	139	16.103	16.103	0.000	83	123236	3.75	3.75	
146 3,3'-Dimethylbenzidine	212	16.568	16.568	0.000	98	202688	3.75	3.62	
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	97	180367	3.75	3.67	
148 2-Acetylaminofluorene	181	16.988	16.988	0.000	95	118419	3.75	3.33	
150 3,3'-Dichlorobenzidine	252	17.498	17.498	0.000	62	122282	3.75	3.76	
149 Benzo[a]anthracene	228	17.498	17.498	0.000	99	320362	3.75	3.90	
151 4,4'-Methylene bis(2-chloroani	231	17.521	17.521	0.000	93	58647	3.75	3.94	
152 Chrysene	228	17.567	17.567	0.000	97	334853	3.75	3.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	98	236305	3.75	3.54	
154 6-Methylchrysene	242	18.361	18.361	0.000	99	217204	3.75	3.83	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	99	398207	3.75	3.76	
156 Benzo[b]fluoranthene	252	19.359	19.359	0.000	98	348688	3.75	4.19	
157 7,12-Dimethylbenz(a)anthracene	256	19.359	19.359	0.000	92	145780	3.75	3.98	
158 Benzo[k]fluoranthene	252	19.404	19.404	0.000	99	325675	3.75	3.89	
159 Benzo[a]pyrene	252	19.881	19.881	0.000	80	315407	3.75	3.95	
* 160 Perylene-d12	264	19.972	19.972	0.000	96	336343	5.00	5.00	
161 3-Methylcholanthrene	268	20.459	20.459	0.000	94	150410	3.75	3.80	
162 Dibenz[a,h]acridine	279	21.265	21.265	0.000	91	252494	3.75	3.74	
163 Dibenz[a,j]acridine	279	21.333	21.333	0.000	96	280008	3.75	3.82	
164 Indeno[1,2,3-cd]pyrene	276	21.571	21.571	0.000	97	309067	3.75	3.99	M
165 Dibenz(a,h)anthracene	278	21.616	21.616	0.000	94	310043	3.75	3.85	
166 Benzo[g,h,i]perylene	276	21.957	21.957	0.000	96	344499	3.75	4.05	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_4_00009 Amount Added: 1.00 Units: mL

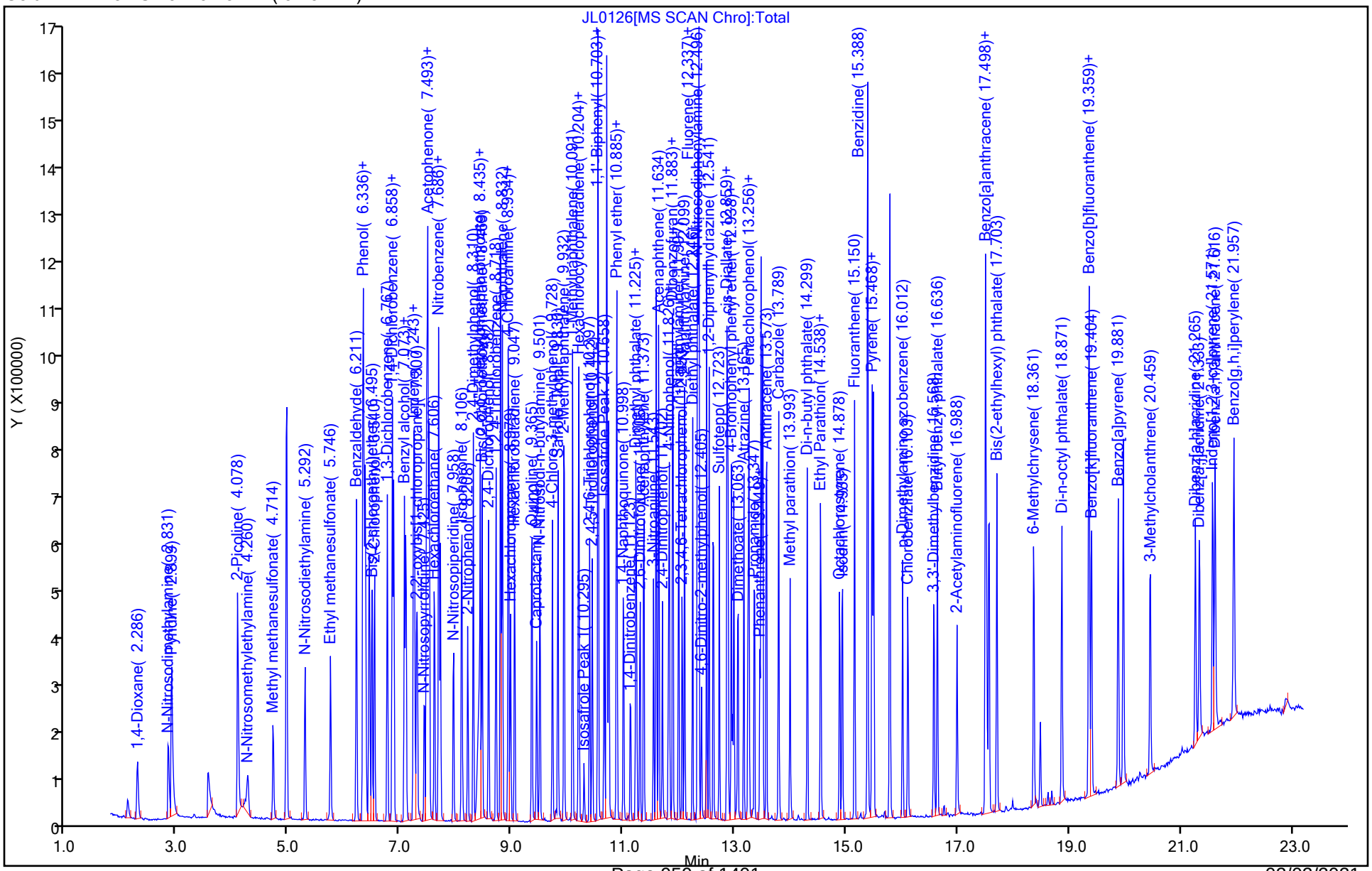
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	03-Dec-2020 17:43:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	IC L4			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

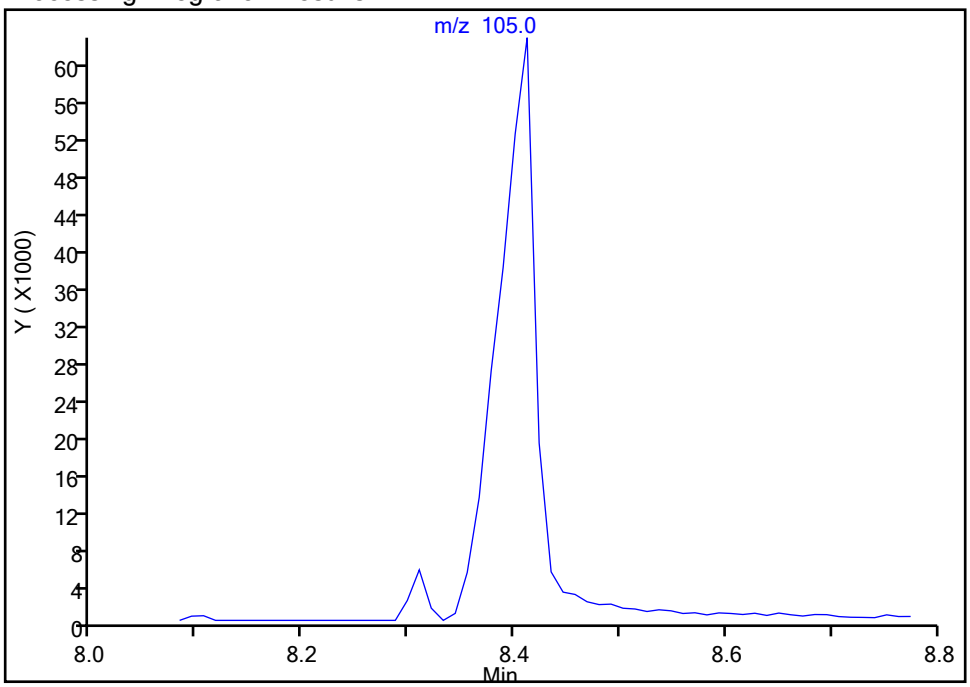
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Lims ID: IC L4
Client ID:
Operator ID: knb25316 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

50 Benzoic acid, CAS: 65-85-0

Signal: 1

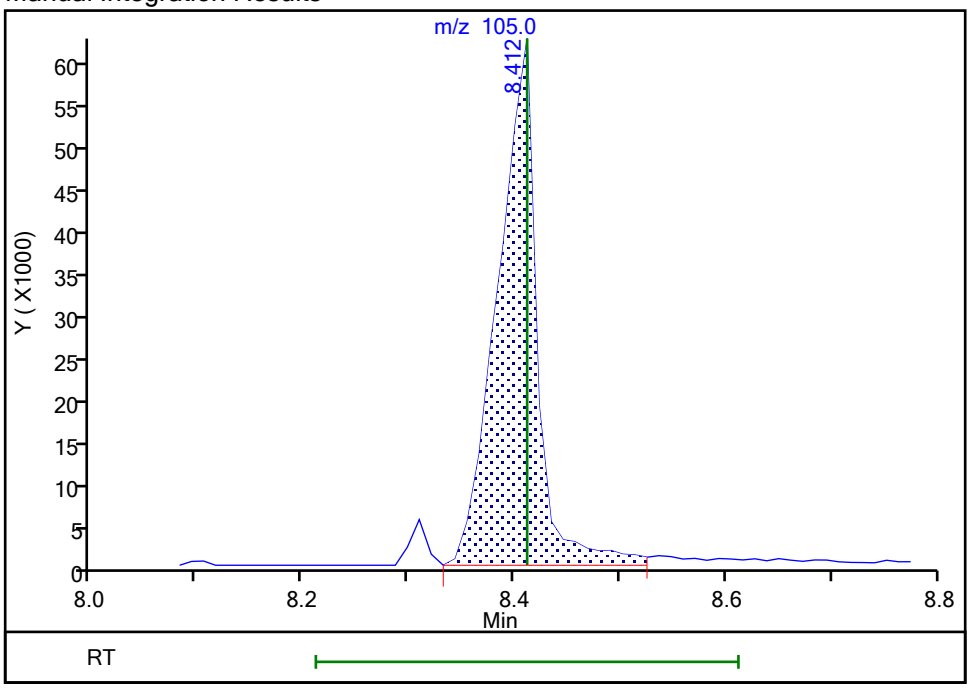
Not Detected
Expected RT: 8.41

Processing Integration Results



Manual Integration Results

RT: 8.41
Area: 160100
Amount: 7.248174
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:32:17
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

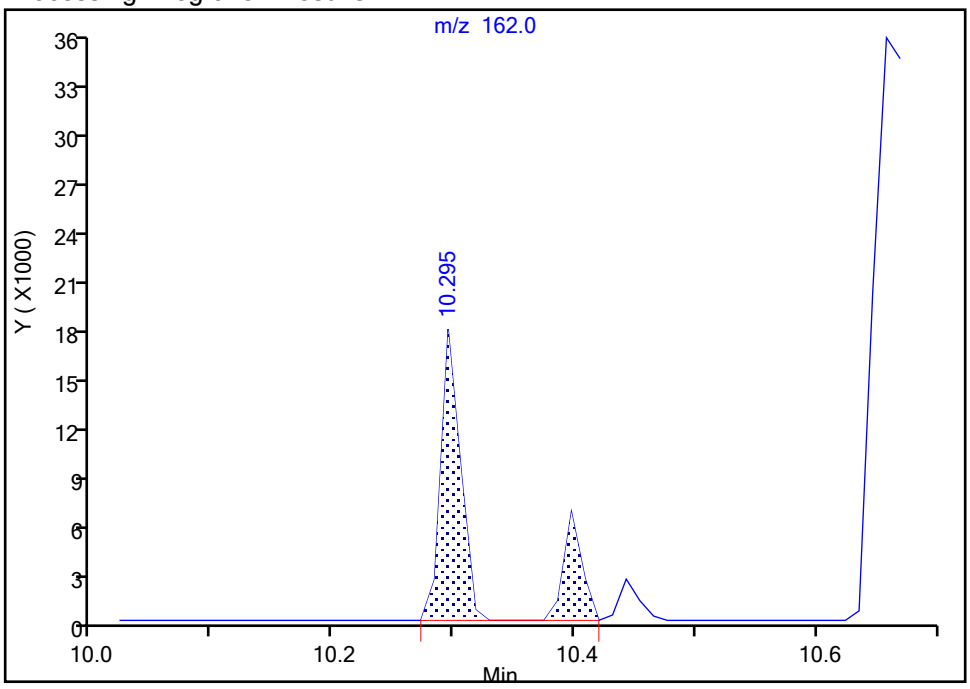
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Injection Date:	03-Dec-2020 17:43:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

73 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

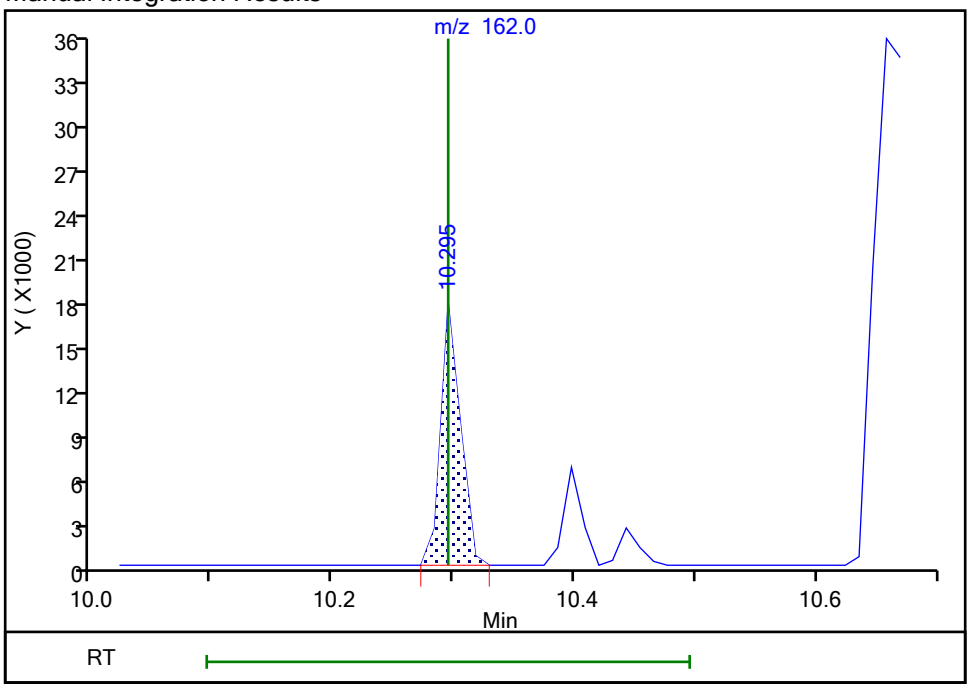
Processing Integration Results

RT: 10.29
Area: 27524
Amount: 0.768585
Amount Units: ug/ml



Manual Integration Results

RT: 10.29
Area: 20383
Amount: 0.619296
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:32:38
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

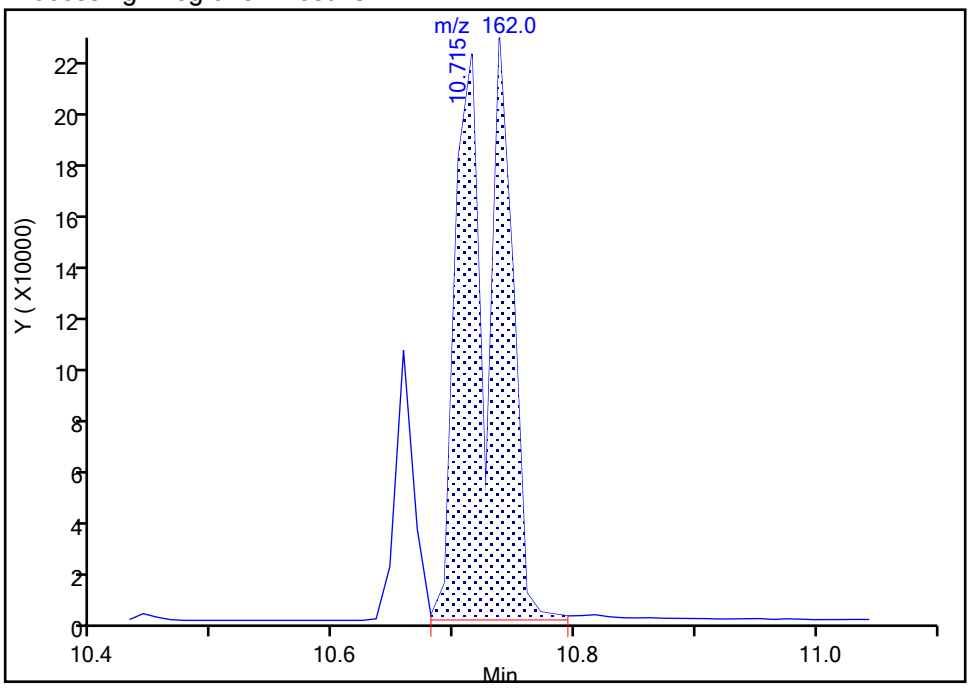
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Lims ID:	IC L4				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

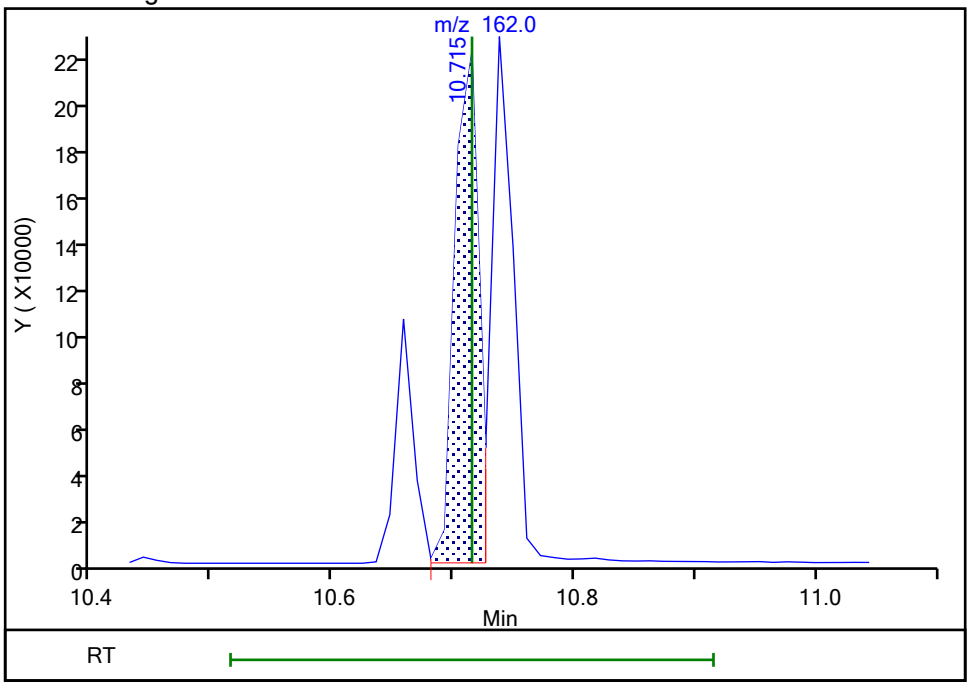
Processing Integration Results

RT: 10.71
Area: 558614
Amount: 5.476771
Amount Units: ug/ml



Manual Integration Results

RT: 10.71
Area: 291209
Amount: 3.997236
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:32:46
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

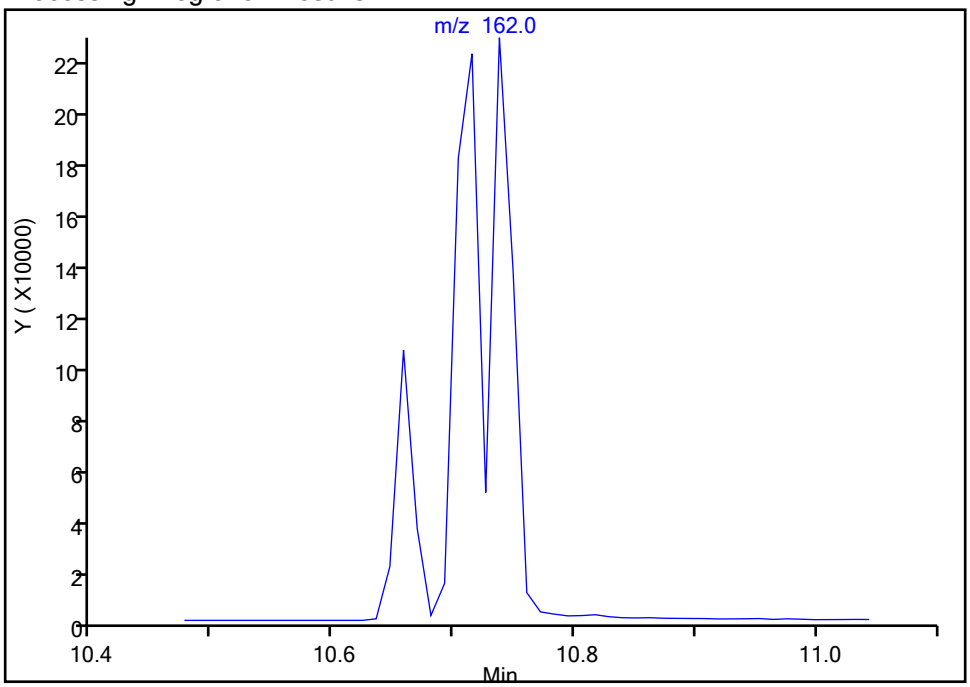
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Lims ID:	IC L4				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

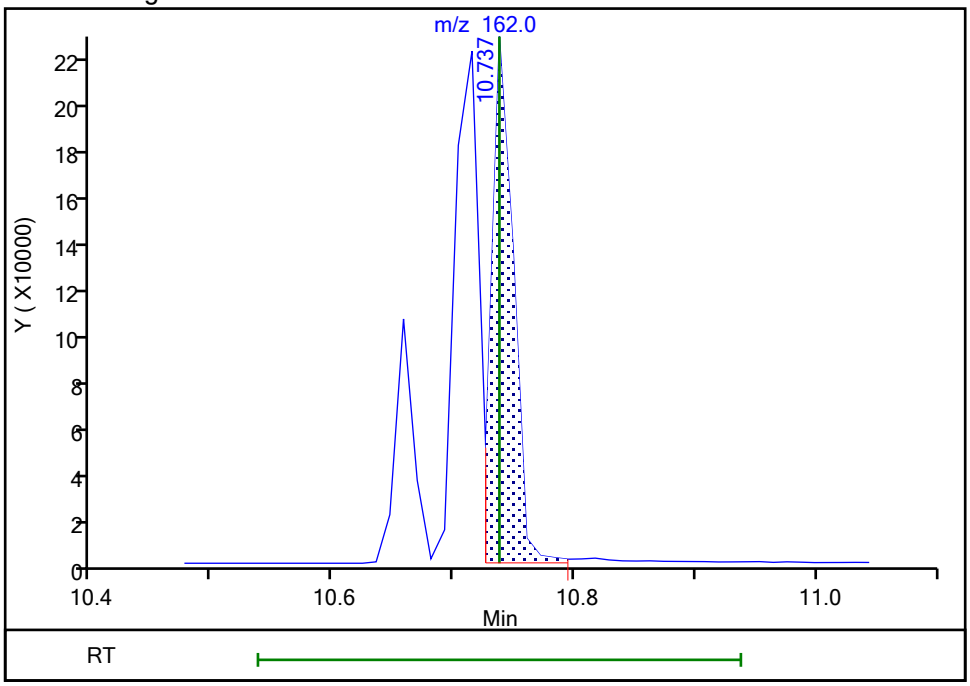
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.74
Area: 267406
Amount: 3.909183
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:32:55
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

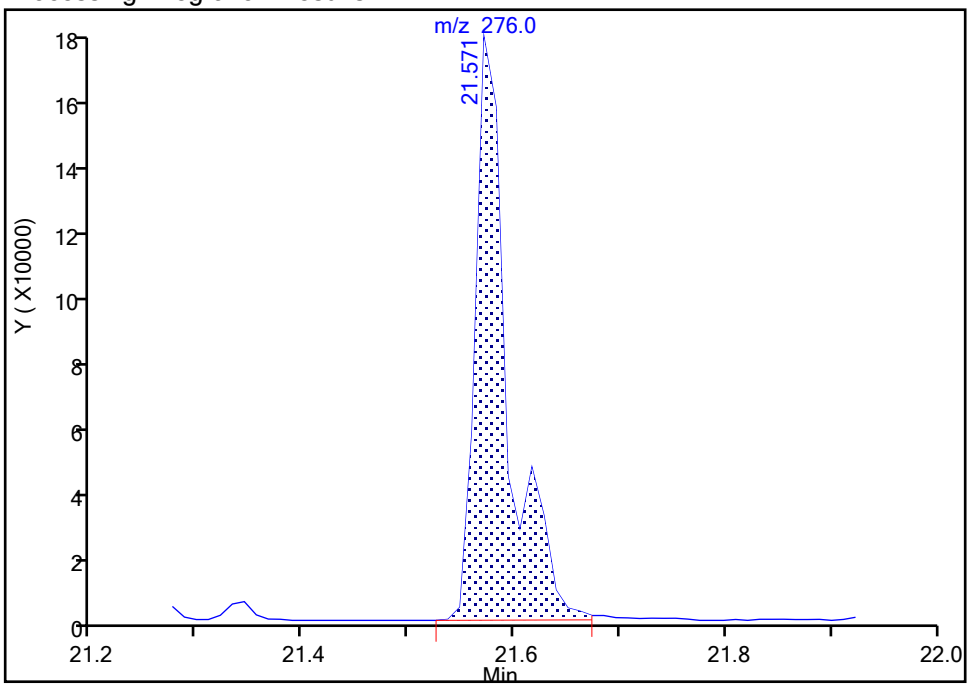
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Lims ID:	IC L4				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

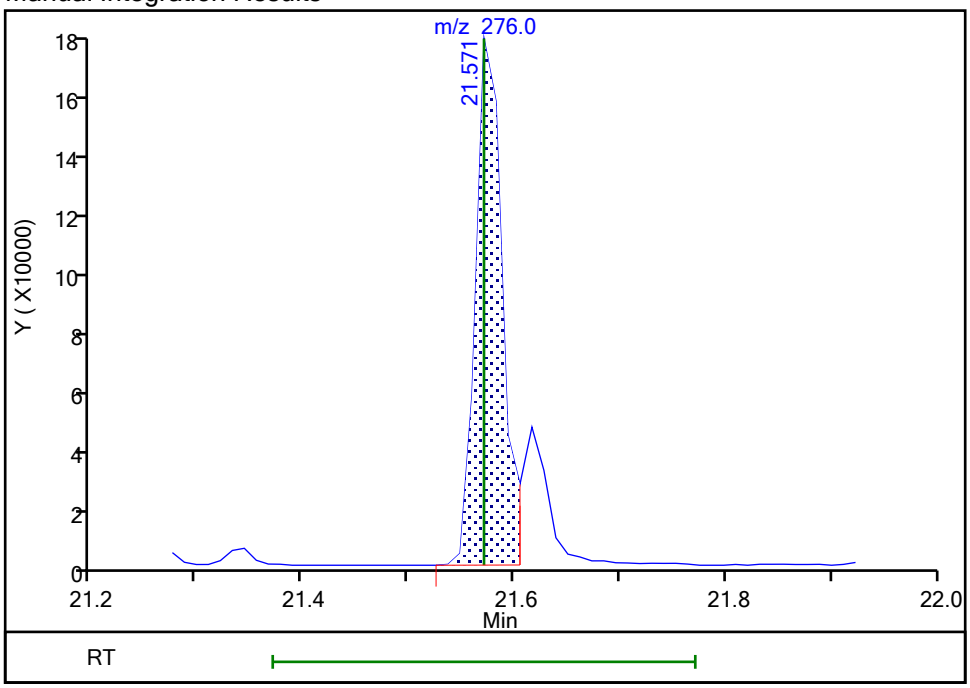
Processing Integration Results

RT: 21.57
Area: 382717
Amount: 4.505607
Amount Units: ug/ml



Manual Integration Results

RT: 21.57
Area: 309067
Amount: 3.989604
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:33:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

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Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Dec-2020 18:13:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0016969-008
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub7

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 03-Dec-2020 21:43:20 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: luttek Date: 03-Dec-2020 21:36:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.286	2.286	0.000	98	32836	1.25	1.33	
3 N-Nitrosodimethylamine	74	2.842	2.842	0.000	94	43126	1.25	1.14	
4 Pyridine	79	2.910	2.910	0.000	94	81255	1.25	1.17	
8 2-Picoline	93	4.090	4.090	0.000	90	80023	1.25	1.27	
10 N-Nitrosomethylethylamine	88	4.271	4.271	0.000	96	37196	1.25	1.34	
11 Methyl methanesulfonate	80	4.714	4.714	0.000	85	33589	1.25	1.23	
$ 12 2-Fluorophenol	112	4.952	4.952	0.000	95	121367	2.50	2.47	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	92	29177	1.25	1.26	
15 Ethyl methanesulfonate	109	5.746	5.746	0.000	96	32145	1.25	1.27	
19 Benzaldehyde	77	6.211	6.211	0.000	93	61608	1.25	1.32	
$ 20 Phenol-d5	99	6.325	6.325	0.000	95	159113	2.50	2.50	
21 Phenol	94	6.347	6.347	0.000	95	94751	1.25	1.27	
23 Aniline	93	6.370	6.370	0.000	98	109101	1.25	1.26	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	92	72184	1.25	1.25	
S 46 Dinitrotoluene	165				0		2.50	2.32	
25 2-Chlorophenol	128	6.540	6.540	0.000	94	61257	1.25	1.27	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	97	67516	1.25	1.32	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	97	160373	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	93	64184	1.25	1.24	
30 Benzyl alcohol	108	7.073	7.073	0.000	90	39618	1.25	1.22	
31 1,2-Dichlorobenzene	146	7.096	7.096	0.000	95	63668	1.25	1.29	
34 Indene	115	7.232	7.232	0.000	89	83001	1.25	1.18	
33 2-Methylphenol	108	7.255	7.255	0.000	96	57113	1.25	1.25	
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	93	125003	1.25	1.29	
36 N-Nitrosopyrrolidine	100	7.425	7.425	0.000	88	32094	1.25	1.28	
38 Acetophenone	105	7.470	7.470	0.000	94	84731	1.25	1.16	
39 N-Nitrosodi-n-propylamine	70	7.482	7.482	0.000	88	51296	1.25	1.23	
37 4-Methylphenol	108	7.493	7.493	0.000	92	62847	1.25	1.23	
40 N-Nitrosomorpholine	56	7.504	7.504	0.000	91	47302	1.25	1.28	
41 2-Toluidine	106	7.516	7.516	0.000	97	96108	1.25	1.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.606	7.606	0.000	92	30955	1.25	1.27	
$ 43 Nitrobenzene-d5	82	7.686	7.686	0.000	90	149562	2.50	2.47	
44 Nitrobenzene	77	7.720	7.720	0.000	89	77589	1.25	1.22	
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	82	28614	1.25	1.21	
47 Isophorone	82	8.094	8.094	0.000	99	120597	1.25	1.20	
48 2-Nitrophenol	139	8.208	8.208	0.000	94	26141	1.25	1.17	
49 2,4-Dimethylphenol	107	8.310	8.310	0.000	98	59463	1.25	1.22	
50 Benzoic acid	105	8.389	8.389	0.000	89	61532	3.75	3.90	M
51 o,o',o''-Triethylphosphorothioat	198	8.435	8.435	0.000	91	21989	1.25	1.24	
52 Bis(2-chloroethoxy)methane	93	8.469	8.469	0.000	94	80410	1.25	1.22	
54 2,4-Dichlorophenol	162	8.582	8.582	0.000	96	40653	1.25	1.17	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	93	48810	1.25	1.23	
* 56 Naphthalene-d8	136	8.798	8.798	0.000	99	622156	5.00	5.00	
57 Naphthalene	128	8.832	8.832	0.000	97	174797	1.25	1.28	
58 4-Chloroaniline	127	8.934	8.934	0.000	93	62253	1.25	1.20	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	92	38593	1.25	1.16	
61 Hexachloropropene	213	8.979	8.979	0.000	94	23740	1.25	1.13	
62 Hexachlorobutadiene	225	9.047	9.047	0.000	95	25864	1.25	1.19	
63 Quinoline	129	9.353	9.353	0.000	95	97506	1.25	1.23	
64 Caprolactam	113	9.433	9.433	0.000	76	13254	1.25	1.06	
65 N-Nitrosodi-n-butylamine	84	9.501	9.501	0.000	94	40548	1.25	1.09	
S 60 Diallate	86				0		1.25	1.20	
67 4-Chloro-3-methylphenol	107	9.728	9.728	0.000	95	47103	1.25	1.23	
68 Safrole, Total	162	9.830	9.830	0.000	85	36327	1.25	1.20	
69 2-Methylnaphthalene	142	9.932	9.932	0.000	93	108092	1.25	1.30	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	93	97938	1.25	1.25	
71 Hexachlorocyclopentadiene	237	10.193	10.193	0.000	95	23734	1.25	1.17	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	98	41865	1.25	1.22	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	84	6548	0.2000	0.1936	
74 2,4,6-Trichlorophenol	196	10.397	10.397	0.000	94	25253	1.25	1.18	
76 2,4,5-Trichlorophenol	196	10.442	10.442	0.000	89	25584	1.25	1.12	
$ 77 2-Fluorobiphenyl (Surr)	172	10.545	10.545	0.000	99	207472	2.50	2.54	
78 Isosafrole Peak 2	162	10.658	10.658	0.000	86	33046	1.05	0.9668	
80 1,1'-Biphenyl	154	10.703	10.703	0.000	96	115520	1.25	1.18	
81 2-Chloronaphthalene	162	10.703	10.703	0.000	96	95056	1.25	1.27	M
82 1-Chloronaphthalene	162	10.737	10.737	0.000	97	89529	1.25	1.27	Ma
83 Phenyl ether	170	10.885	10.885	0.000	87	58530	1.25	1.24	
84 2-Nitroaniline	138	10.885	10.885	0.000	75	27618	1.25	1.17	
85 1,4-Naphthoquinone	158	10.998	10.998	0.000	75	32228	1.25	1.10	
86 1,4-Dinitrobenzene	168	11.134	11.134	0.000	85	10721	1.25	1.05	
S 79 Isosafrole	162				0		1.25	1.16	
87 Dimethyl phthalate	163	11.225	11.225	0.000	96	88176	1.25	1.20	
89 1,3-Dinitrobenzene	168	11.237	11.237	0.000	77	12059	1.25	1.04	
90 2,6-Dinitrotoluene	165	11.305	11.305	0.000	86	19639	1.25	1.19	
91 Acenaphthylene	152	11.373	11.373	0.000	99	127505	1.25	1.28	
92 3-Nitroaniline	138	11.543	11.543	0.000	86	21989	1.25	1.16	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	96	253881	5.00	5.00	
94 Acenaphthene	153	11.634	11.634	0.000	96	91893	1.25	1.27	
95 2,4-Dinitrophenol	184	11.702	11.702	0.000	78	20490	3.75	2.41	
97 4-Nitrophenol	109	11.815	11.815	0.000	83	26742	2.50	1.89	
99 Pentachlorobenzene	250	11.826	11.826	0.000	96	37466	1.25	1.27	
101 Dibenzofuran	168	11.883	11.883	0.000	95	117254	1.25	1.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.894	11.894	0.000	89	23960	1.25	1.13	
102 1-Naphthylamine	143	11.997	11.997	0.000	100	89504	1.25	1.19	
103 2,3,4,6-Tetrachlorophenol	232	12.053	12.053	0.000	82	17137	1.25	1.11	
104 2-Naphthylamine	143	12.099	12.099	0.000	97	92375	1.25	1.25	
105 Diethyl phthalate	149	12.246	12.246	0.000	97	88065	1.25	1.18	
107 Fluorene	166	12.326	12.326	0.000	93	92397	1.25	1.25	
106 Thionazin	107	12.337	12.337	0.000	75	19064	1.25	1.18	
109 4-Chlorophenyl phenyl ether	204	12.360	12.360	0.000	88	42593	1.25	1.28	
110 N-Nitro-o-toluidine	152	12.348	12.348	0.000	76	23501	1.25	1.16	
108 4-Nitroaniline	138	12.360	12.360	0.000	87	23503	1.25	1.20	
111 4,6-Dinitro-2-methylphenol	198	12.405	12.405	0.000	81	19864	2.50	1.84	
112 N-Nitrosodiphenylamine	169	12.496	12.496	0.000	65	73173	1.25	1.26	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	42	134546	1.25	1.25	
$ 114 2,4,6-Tribromophenol	330	12.620	12.620	0.000	93	26750	2.50	2.35	
115 Sulfotepp	97	12.723	12.723	0.000	78	18599	1.25	1.18	
116 cis-Diallate	86	12.859	12.859	0.000	87	35663	0.9250	0.8689	
117 Phorate	75	12.870	12.870	0.000	95	69878	1.25	1.19	
118 Phenacetin	108	12.881	12.881	0.000	89	39419	1.25	1.05	M
119 4-Bromophenyl phenyl ether	248	12.938	12.938	0.000	73	26012	1.25	1.31	
120 trans-Diallate	86	12.961	12.961	0.000	92	13649	0.3250	0.3266	M
121 Hexachlorobenzene	284	12.984	12.984	0.000	93	30258	1.25	1.26	
122 Dimethoate	87	13.052	13.052	0.000	96	40699	1.25	1.09	
123 Atrazine	200	13.165	13.165	0.000	88	19876	1.25	1.16	M
124 Pentachlorophenol	266	13.233	13.233	0.000	89	12151	1.25	0.9727	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	82	10032	1.25	1.16	
125 4-Aminobiphenyl	169	13.256	13.256	0.000	91	50364	1.25	1.15	
127 Pronamide	173	13.347	13.347	0.000	90	32940	1.25	1.14	
* 128 Phenanthrene-d10	188	13.471	13.471	0.000	96	433444	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	92	9837	1.25	0.9197	
130 Phenanthrene	178	13.505	13.505	0.000	98	131479	1.25	1.25	
131 Anthracene	178	13.573	13.573	0.000	99	124666	1.25	1.20	
132 Carbazole	167	13.789	13.789	0.000	96	110322	1.25	1.22	
133 Methyl parathion	109	13.993	13.993	0.000	90	24994	1.25	0.9542	
134 Di-n-butyl phthalate	149	14.299	14.299	0.000	99	138904	1.25	1.14	
135 Ethyl Parathion	109	14.538	14.538	0.000	82	13620	1.25	0.8813	
136 4-Nitroquinoline-1-oxide	190	14.549	14.549	0.000	76	6297	1.25	0.9852	
137 Octachlorostyrene	308	14.878	14.878	0.000	92	10569	1.25	1.18	
138 Isodrin	193	14.923	14.923	0.000	91	15042	1.25	1.26	
139 Fluoranthene	202	15.150	15.150	0.000	99	121767	1.25	1.22	
140 Benzidine	184	15.377	15.377	0.000	99	229621	3.75	3.38	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	97	374283	5.00	5.00	
142 Pyrene	202	15.491	15.491	0.000	96	133164	1.25	1.26	
$ 143 p-Terphenyl-d14	244	15.785	15.785	0.000	97	180136	2.50	2.57	
144 p-Dimethylamino azobenzene	225	16.012	16.012	0.000	91	16290	1.25	1.04	
145 Chlorobenzilate	139	16.103	16.103	0.000	84	34618	1.25	1.03	
146 3,3'-Dimethylbenzidine	212	16.568	16.568	0.000	98	62605	1.25	1.10	
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	95	54277	1.25	1.09	
148 2-Acetylaminofluorene	181	16.988	16.988	0.000	95	31446	1.25	0.8672	
150 3,3'-Dichlorobenzidine	252	17.498	17.498	0.000	61	37856	1.25	1.14	
149 Benzo[a]anthracene	228	17.498	17.498	0.000	99	101384	1.25	1.21	
151 4,4'-Methylene bis(2-chloroani	231	17.521	17.521	0.000	92	19090	1.25	1.26	
152 Chrysene	228	17.567	17.567	0.000	97	108514	1.25	1.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	97	71296	1.25	1.05	
154 6-Methylchrysene	242	18.361	18.361	0.000	98	71300	1.25	1.23	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	99	112013	1.25	1.03	
156 Benzo[b]fluoranthene	252	19.348	19.348	0.000	97	99849	1.25	1.17	
157 7,12-Dimethylbenz(a)anthracene	256	19.359	19.359	0.000	91	46598	1.25	1.24	
158 Benzo[k]fluoranthene	252	19.393	19.393	0.000	99	113216	1.25	1.32	
159 Benzo[a]pyrene	252	19.881	19.881	0.000	79	104966	1.25	1.28	
* 160 Perylene-d12	264	19.971	19.971	0.000	96	343972	5.00	5.00	
161 3-Methylcholanthrene	268	20.448	20.448	0.000	95	46491	1.25	1.15	
162 Dibenz[a,h]acridine	279	21.265	21.265	0.000	92	71483	1.25	1.03	
163 Dibenz[a,j]acridine	279	21.333	21.333	0.000	96	82767	1.25	1.10	
164 Indeno[1,2,3-cd]pyrene	276	21.571	21.571	0.000	97	94320	1.25	1.19	M
165 Dibenz(a,h)anthracene	278	21.616	21.616	0.000	93	97114	1.25	1.18	
166 Benzo[g,h,i]perylene	276	21.957	21.957	0.000	95	103961	1.25	1.20	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_3_00009 Amount Added: 1.00 Units: mL

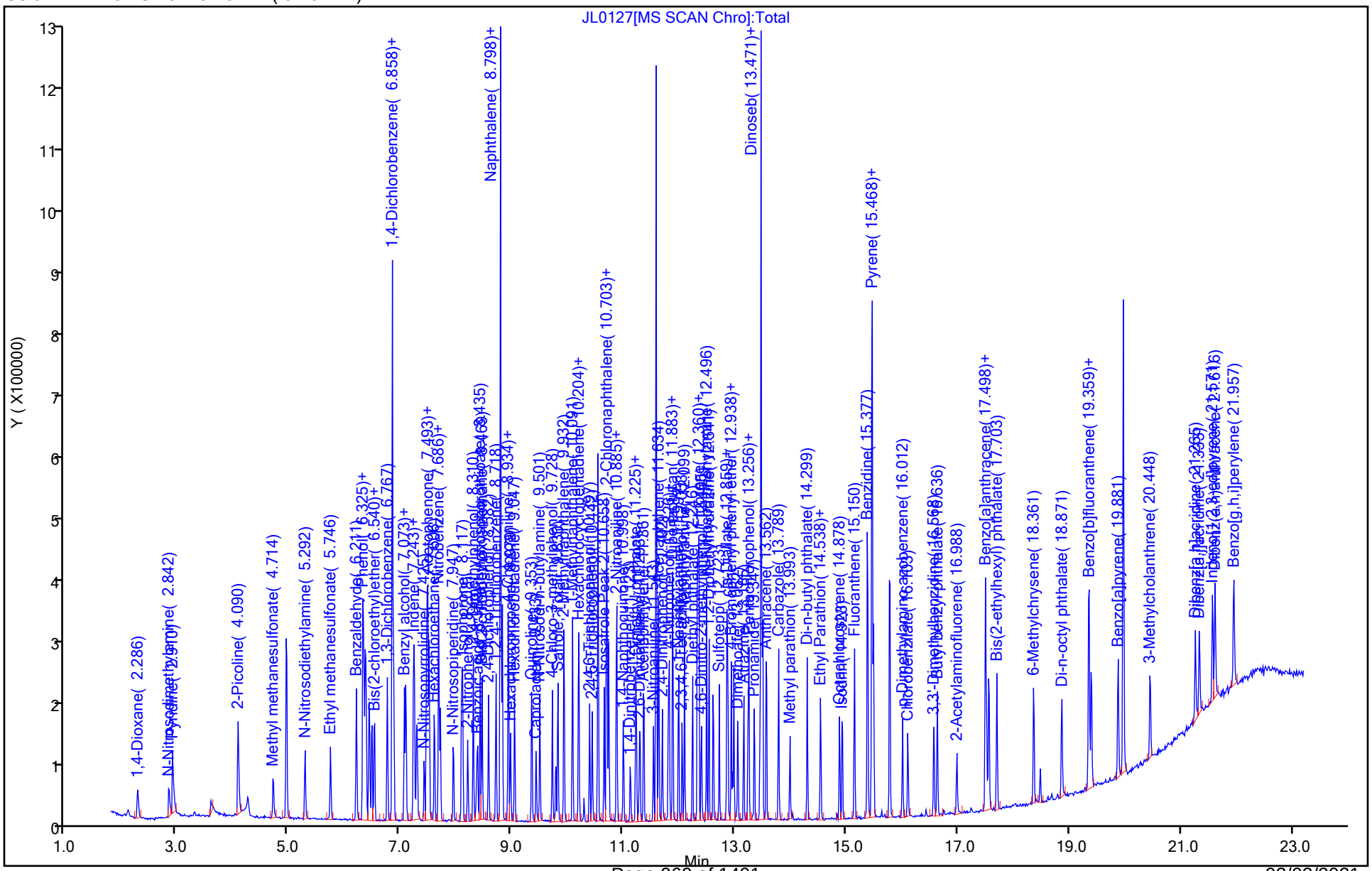
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	03-Dec-2020 18:13:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	IC L3			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

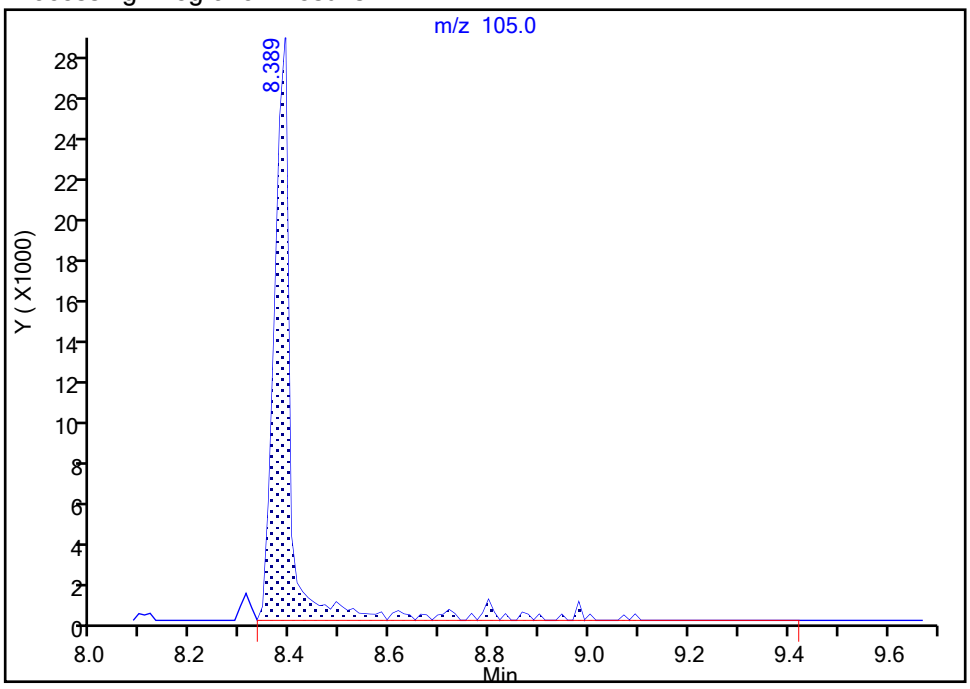
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Lims ID:	IC L3				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

50 Benzoic acid, CAS: 65-85-0

Signal: 1

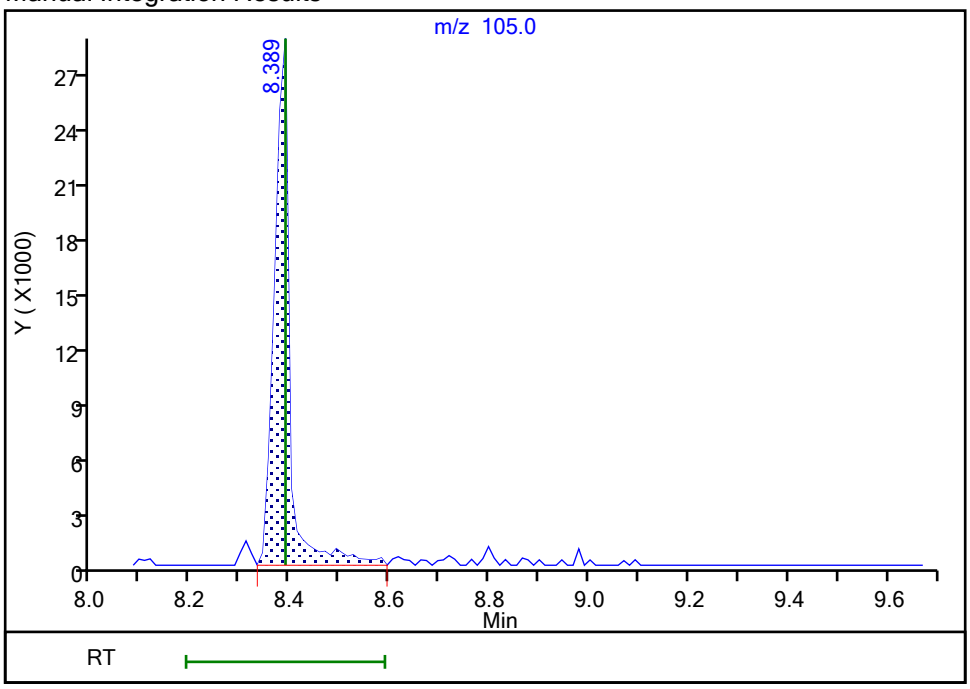
Processing Integration Results

RT: 8.39
Area: 67499
Amount: 4.006280
Amount Units: ug/ml



Manual Integration Results

RT: 8.39
Area: 61532
Amount: 3.903290
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:34:40
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

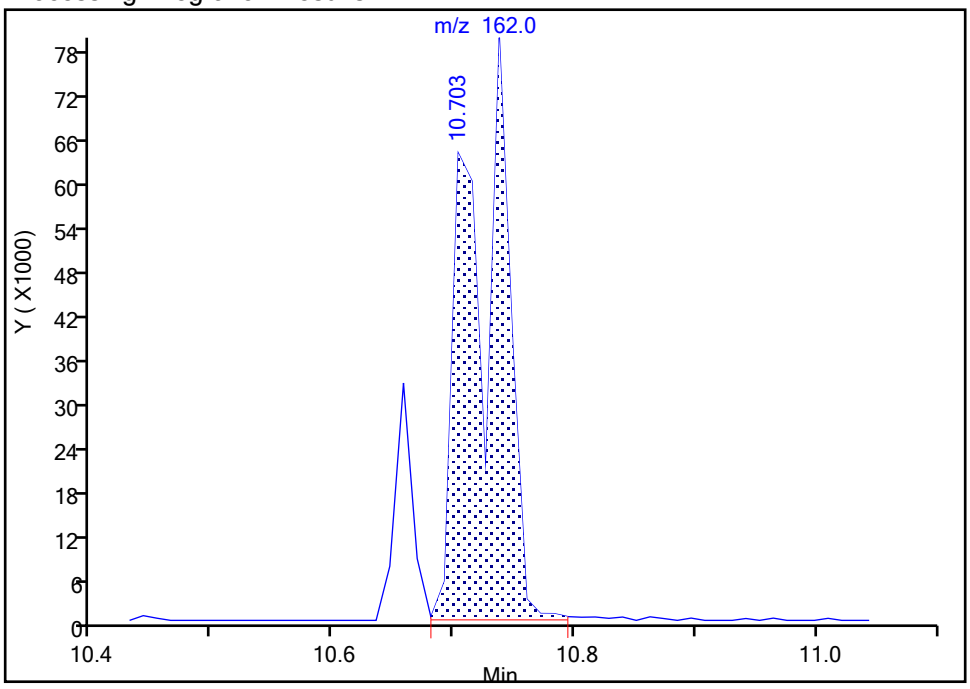
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Lims ID:	IC L3				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

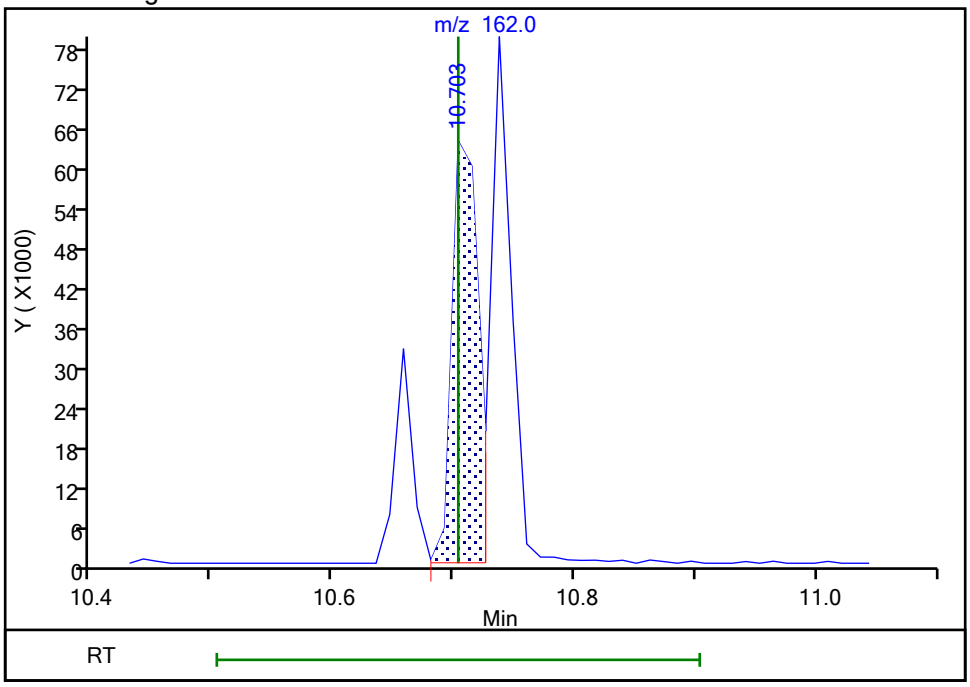
Processing Integration Results

RT: 10.70
Area: 184585
Amount: 1.956476
Amount Units: ug/ml



Manual Integration Results

RT: 10.70
Area: 95056
Amount: 1.269706
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:34:59
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

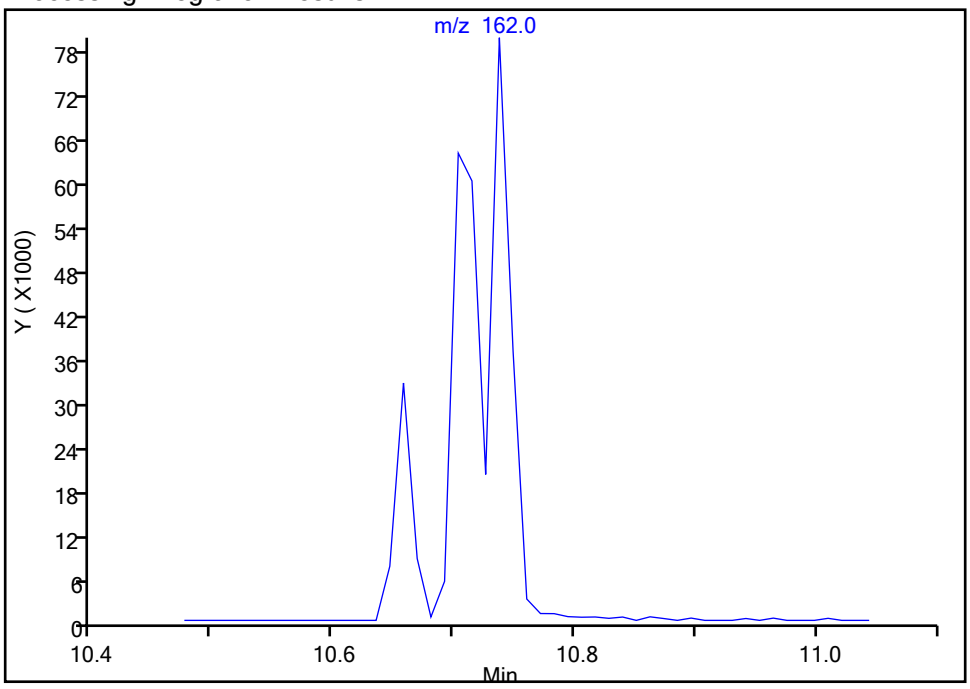
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Injection Date: 03-Dec-2020 18:13:30 Instrument ID: HP23264
Lims ID: IC L3
Client ID:
Operator ID: knb25316 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

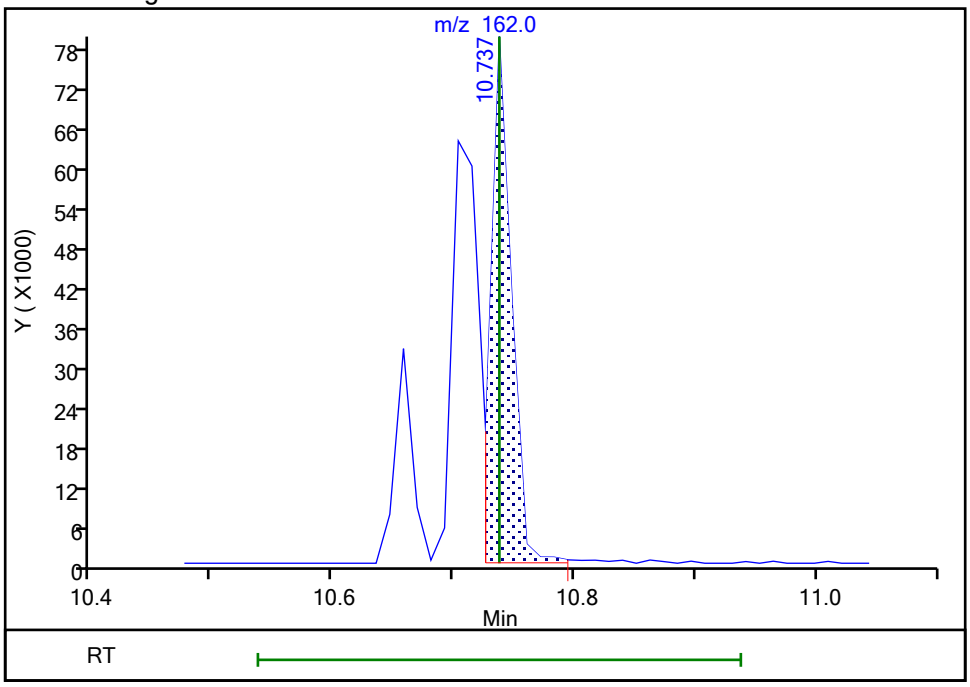
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.74
Area: 89529
Amount: 1.273642
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:35:07
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

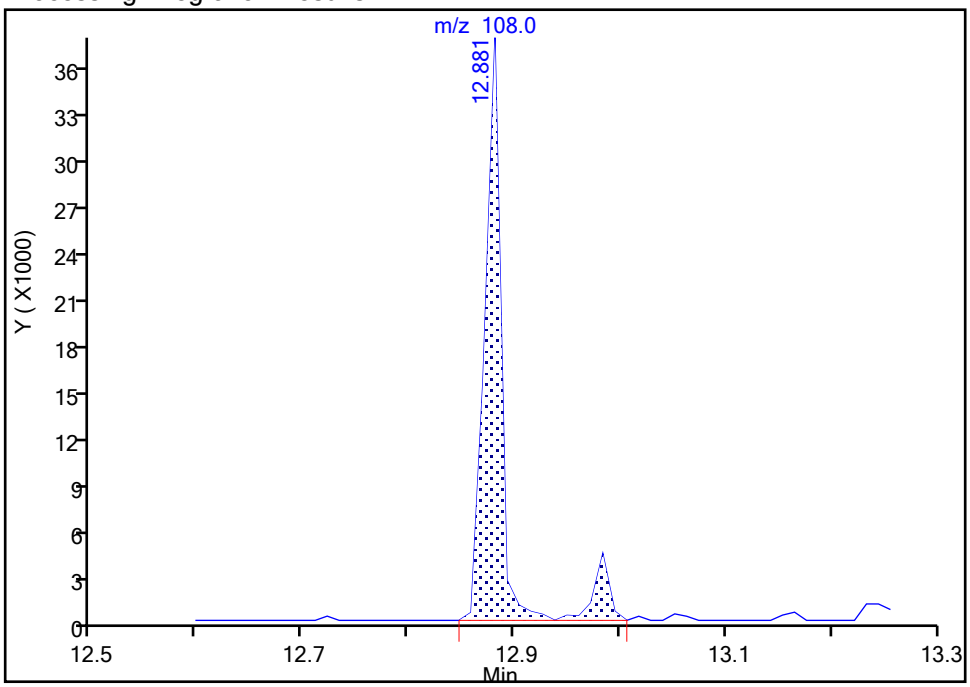
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Injection Date:	03-Dec-2020 18:13:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 Phenacetin, CAS: 62-44-2

Signal: 1

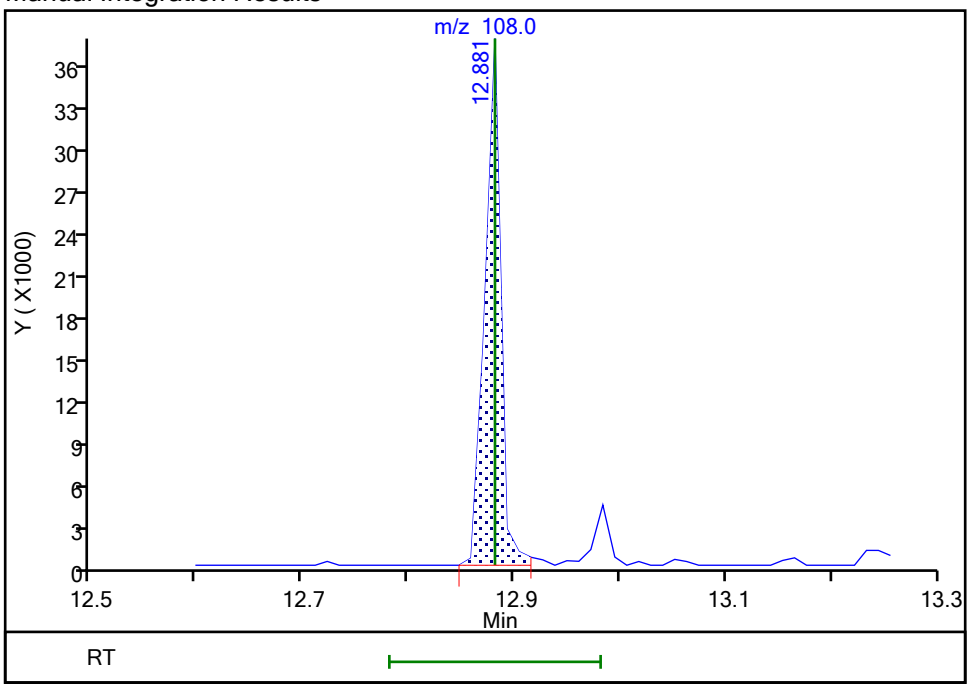
Processing Integration Results

RT: 12.88
Area: 44415
Amount: 1.182184
Amount Units: ug/ml



Manual Integration Results

RT: 12.88
Area: 39419
Amount: 1.053030
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:35:28
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

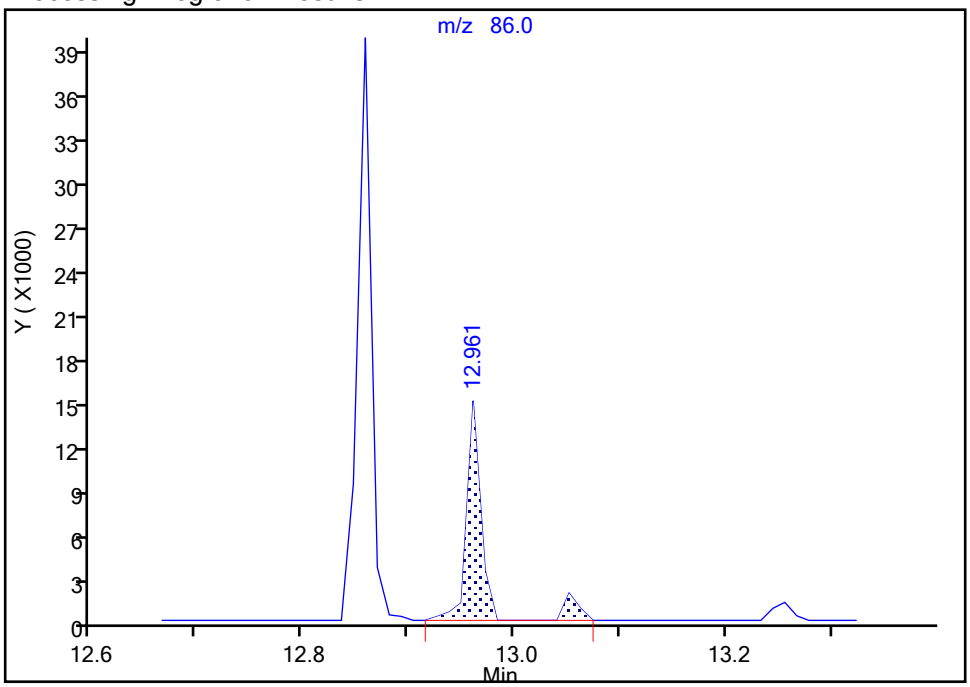
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Injection Date:	03-Dec-2020 18:13:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 trans-Diallate, CAS: 17708-58-6

Signal: 1

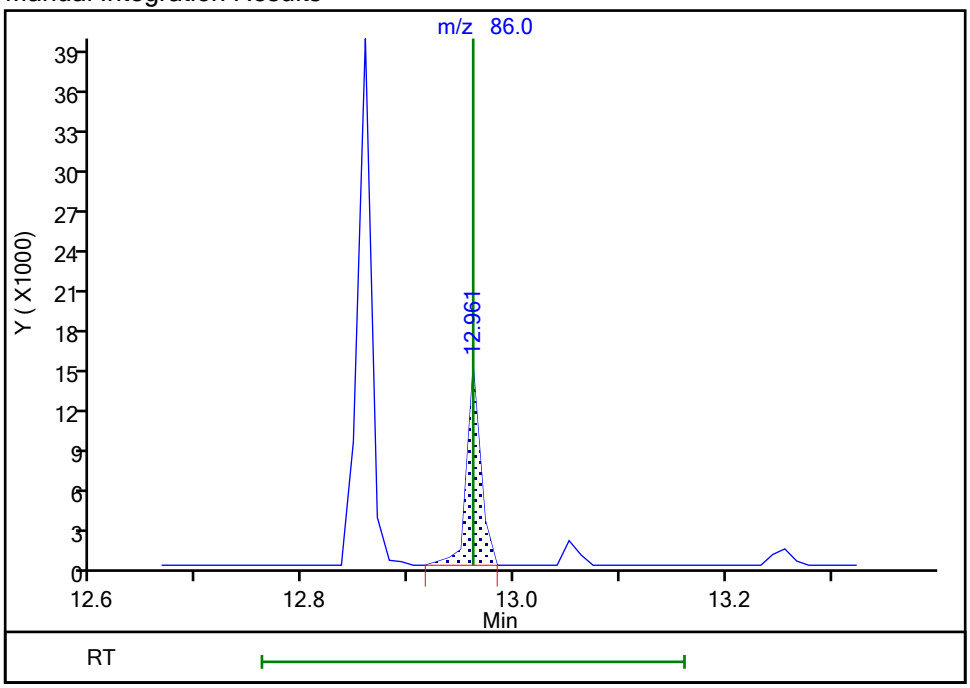
Processing Integration Results

RT: 12.96
Area: 15413
Amount: 0.361008
Amount Units: ug/ml



Manual Integration Results

RT: 12.96
Area: 13649
Amount: 0.326611
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:35:33
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

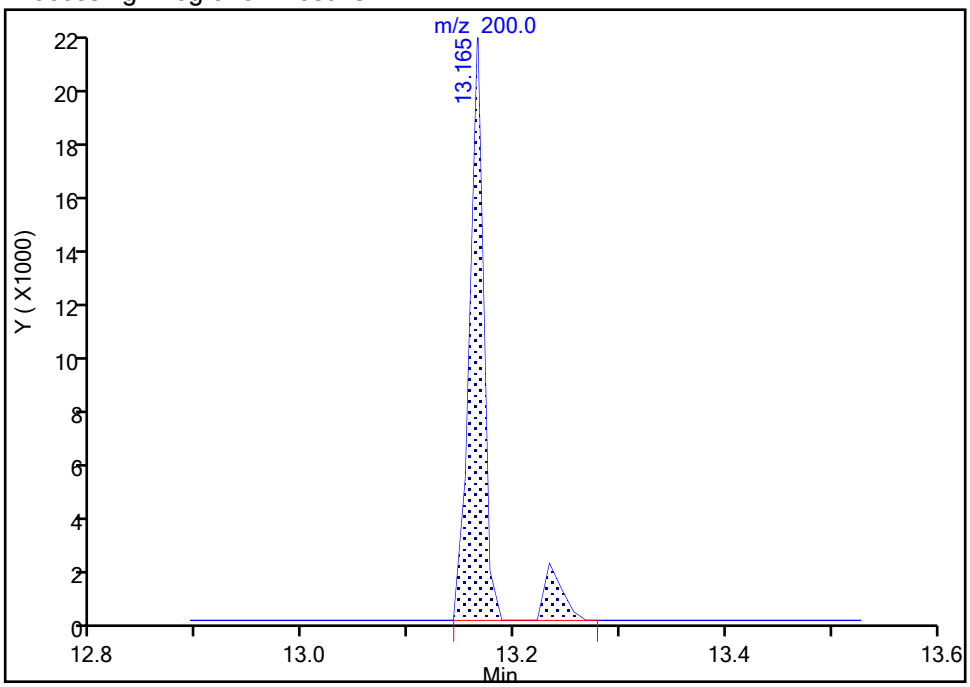
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Injection Date:	03-Dec-2020 18:13:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 Atrazine, CAS: 1912-24-9

Signal: 1

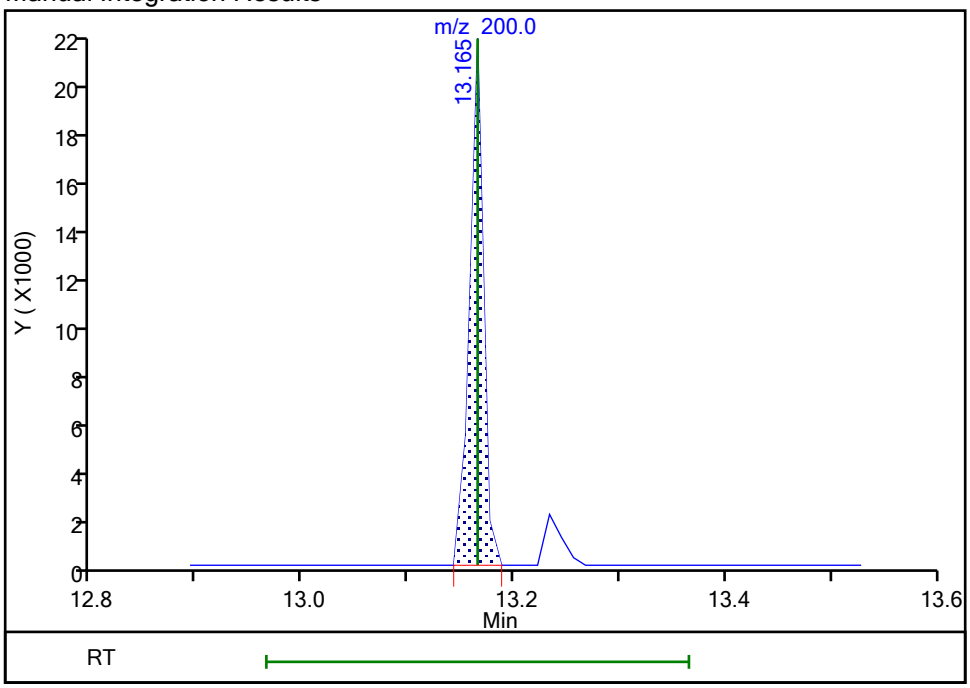
Processing Integration Results

RT: 13.17
Area: 22322
Amount: 1.271004
Amount Units: ug/ml



Manual Integration Results

RT: 13.17
Area: 19876
Amount: 1.157709
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:35:39
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

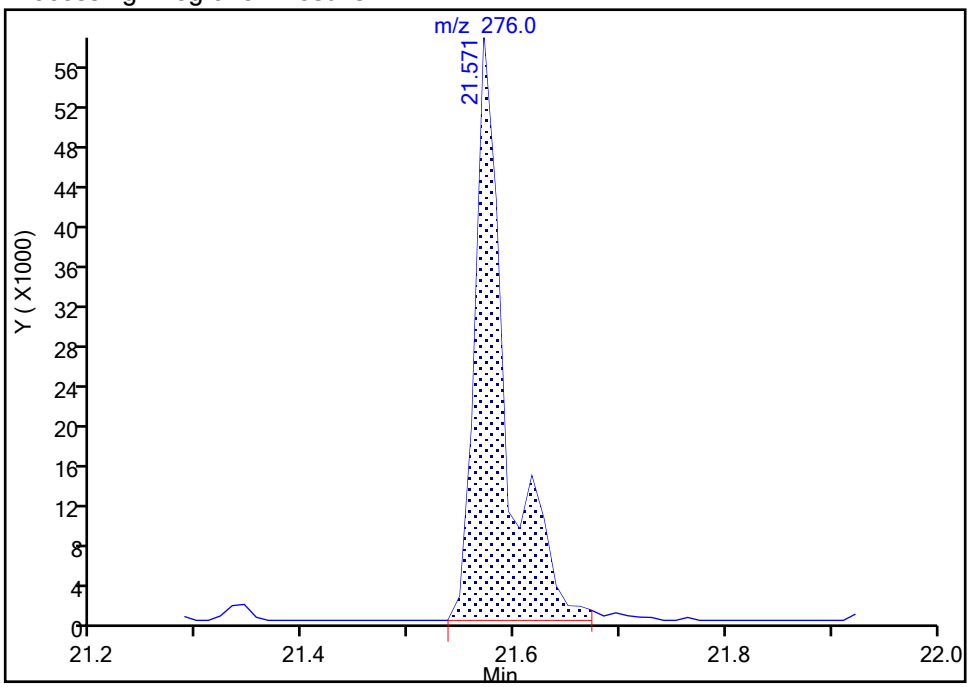
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Injection Date:	03-Dec-2020 18:13:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

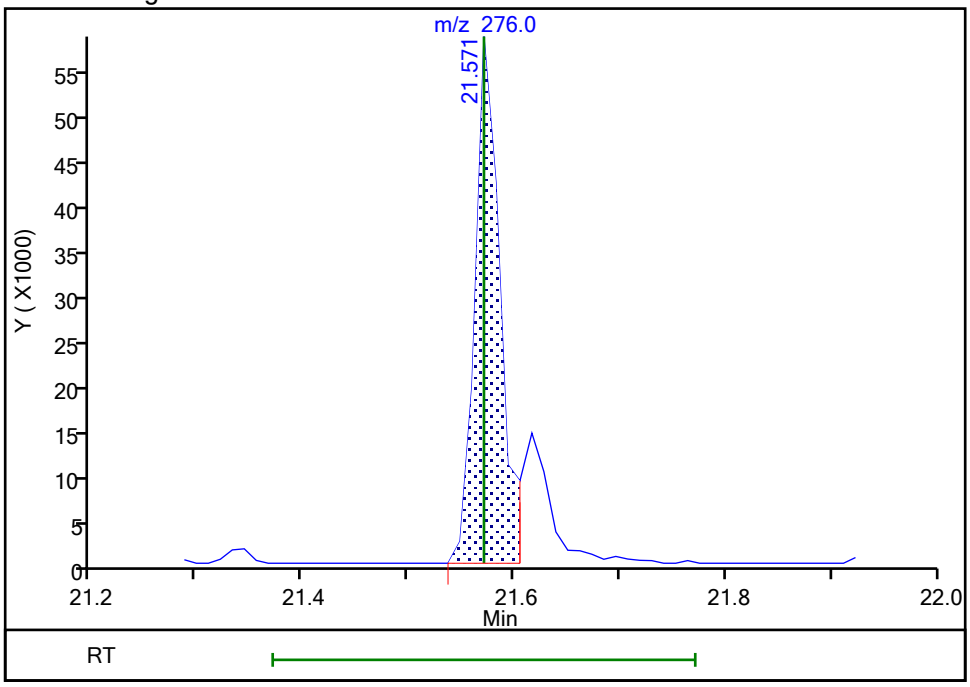
Processing Integration Results

RT: 21.57
Area: 118842
Amount: 1.408775
Amount Units: ug/ml



Manual Integration Results

RT: 21.57
Area: 94320
Amount: 1.190530
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:36:03
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Dec-2020 18:43:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0016969-009
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub7

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 03-Dec-2020 21:41:24 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: luttek Date: 03-Dec-2020 21:41:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.297	2.297	0.000	95	7074	0.2500	0.2735	
3 N-Nitrosodimethylamine	74	2.864	2.864	0.000	93	8238	0.2500	0.2080	
4 Pyridine	79	2.944	2.944	0.000	92	20024	0.2500	0.2757	
8 2-Picoline	93	4.101	4.101	0.000	92	15160	0.2500	0.2289	
10 N-Nitrosomethylethylamine	88	4.271	4.271	0.000	93	10547	0.2500	0.3615	
11 Methyl methanesulfonate	80	4.725	4.725	0.000	81	6401	0.2500	0.2228	
$ 12 2-Fluorophenol	112	4.963	4.963	0.000	94	23863	0.5000	0.4624	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	90	5233	0.2500	0.2147	
15 Ethyl methanesulfonate	109	5.746	5.746	0.000	96	6452	0.2500	0.2425	
19 Benzaldehyde	77	6.211	6.211	0.000	88	15138	0.2500	0.3090	
$ 20 Phenol-d5	99	6.324	6.324	0.000	95	29947	0.5000	0.4487	
21 Phenol	94	6.347	6.347	0.000	92	17720	0.2500	0.2256	
23 Aniline	93	6.370	6.370	0.000	97	21206	0.2500	0.2333	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	95	15805	0.2500	0.2608	
S 46 Dinitrotoluene	165				0		0.5000	0.3921	
25 2-Chlorophenol	128	6.540	6.540	0.000	93	11177	0.2500	0.2215	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	95	12365	0.2500	0.2296	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	98	168272	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	90	12567	0.2500	0.2313	
30 Benzyl alcohol	108	7.073	7.073	0.000	89	7648	0.2500	0.2239	
31 1,2-Dichlorobenzene	146	7.096	7.096	0.000	92	12077	0.2500	0.2327	
34 Indene	115	7.232	7.232	0.000	88	18930	0.2500	0.2568	
33 2-Methylphenol	108	7.255	7.255	0.000	96	10753	0.2500	0.2238	
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	93	25206	0.2500	0.2470	
36 N-Nitrosopyrrolidine	100	7.436	7.436	0.000	87	5782	0.2500	0.2205	
38 Acetophenone	105	7.470	7.470	0.000	94	17649	0.2500	0.2306	
39 N-Nitrosodi-n-propylamine	70	7.482	7.482	0.000	84	10306	0.2500	0.2357	
37 4-Methylphenol	108	7.493	7.493	0.000	92	10921	0.2500	0.2036	
40 N-Nitrosomorpholine	56	7.504	7.504	0.000	89	8913	0.2500	0.2292	
41 2-Toluidine	106	7.516	7.516	0.000	96	19600	0.2500	0.2384	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.606	7.606	0.000	91	5762	0.2500	0.2248	
$ 43 Nitrobenzene-d5	82	7.686	7.686	0.000	89	28617	0.5000	0.4635	M
44 Nitrobenzene	77	7.720	7.720	0.000	88	16255	0.2500	0.2513	M
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	83	6154	0.2500	0.2545	
47 Isophorone	82	8.094	8.094	0.000	96	23280	0.2500	0.2272	
48 2-Nitrophenol	139	8.208	8.208	0.000	87	4366	0.2500	0.1907	
49 2,4-Dimethylphenol	107	8.310	8.310	0.000	95	10255	0.2500	0.2069	
50 Benzoic acid	105	8.378	8.378	0.000	88	41207	2.50	3.22	M
51 o,o',o''-Triethylphosphorothioat	198	8.434	8.434	0.000	87	4300	0.2500	0.2367	
52 Bis(2-chloroethoxy)methane	93	8.468	8.468	0.000	92	15706	0.2500	0.2332	
54 2,4-Dichlorophenol	162	8.582	8.582	0.000	96	8020	0.2500	0.2253	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	93	9502	0.2500	0.2348	
* 56 Naphthalene-d8	136	8.797	8.797	0.000	99	635118	5.00	5.00	
57 Naphthalene	128	8.831	8.831	0.000	96	33472	0.2500	0.2395	M
58 4-Chloroaniline	127	8.934	8.934	0.000	90	11408	0.2500	0.2156	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	93	7402	0.2500	0.2189	
61 Hexachloropropene	213	8.979	8.979	0.000	92	4794	0.2500	0.2237	
62 Hexachlorobutadiene	225	9.047	9.047	0.000	95	6083	0.2500	0.2733	
63 Quinoline	129	9.353	9.353	0.000	94	19077	0.2500	0.2353	
64 Caprolactam	113	9.433	9.433	0.000	76	2743	0.2500	0.2150	
65 N-Nitrosodi-n-butylamine	84	9.501	9.501	0.000	94	8837	0.2500	0.2337	
S 60 Diallate	86				0		0.2500	0.2292	
67 4-Chloro-3-methylphenol	107	9.728	9.728	0.000	92	7902	0.2500	0.2029	
68 Safrole, Total	162	9.830	9.830	0.000	87	7075	0.2500	0.2289	
69 2-Methylnaphthalene	142	9.932	9.932	0.000	91	20039	0.2500	0.2356	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	94	19600	0.2500	0.2442	
71 Hexachlorocyclopentadiene	237	10.204	10.204	0.000	81	4065	0.2500	0.1891	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	96	9206	0.2500	0.2527	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	1	924	0.0400	0.0257	M
74 2,4,6-Trichlorophenol	196	10.397	10.397	0.000	94	4540	0.2500	0.2000	
76 2,4,5-Trichlorophenol	196	10.442	10.442	0.000	91	4949	0.2500	0.2050	
$ 77 2-Fluorobiphenyl (Surr)	172	10.544	10.544	0.000	99	42692	0.5000	0.4916	
78 Isosafrole Peak 2	162	10.658	10.658	0.000	88	6981	0.2100	0.1924	
81 2-Chloronaphthalene	162	10.703	10.703	0.000	96	19244	0.2500	0.2422	M
80 1,1'-Biphenyl	154	10.703	10.703	0.000	97	24443	0.2500	0.2352	
82 1-Chloronaphthalene	162	10.737	10.737	0.000	96	17178	0.2500	0.2303	Ma
83 Phenyl ether	170	10.885	10.885	0.000	87	11688	0.2500	0.2327	
84 2-Nitroaniline	138	10.885	10.885	0.000	76	5006	0.2500	0.1998	
85 1,4-Naphthoquinone	158	10.998	10.998	0.000	84	6011	0.2500	0.1937	
86 1,4-Dinitrobenzene	168	11.123	11.123	0.000	83	1870	0.2500	0.1730	
S 79 Isosafrole	162				0		0.2500	0.2182	
87 Dimethyl phthalate	163	11.225	11.225	0.000	96	16127	0.2500	0.2060	
89 1,3-Dinitrobenzene	168	11.236	11.236	0.000	73	2083	0.2500	0.1690	
90 2,6-Dinitrotoluene	165	11.304	11.304	0.000	86	3500	0.2500	0.2005	
91 Acenaphthylene	152	11.373	11.373	0.000	99	24086	0.2500	0.2278	
92 3-Nitroaniline	138	11.543	11.543	0.000	87	3821	0.2500	0.1906	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	97	269455	5.00	5.00	
94 Acenaphthene	153	11.633	11.633	0.000	95	17723	0.2500	0.2309	
95 2,4-Dinitrophenol	184	11.702	11.702	0.000	82	11889	2.25	1.32	
97 4-Nitrophenol	109	11.804	11.804	0.000	92	12547	1.25	0.8337	
99 Pentachlorobenzene	250	11.826	11.826	0.000	94	7724	0.2500	0.2476	
101 Dibenzofuran	168	11.883	11.883	0.000	95	23388	0.2500	0.2338	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.894	11.894	0.000	86	4319	0.2500	0.1916	
102 1-Naphthylamine	143	11.996	11.996	0.000	98	17671	0.2500	0.2215	
103 2,3,4,6-Tetrachlorophenol	232	12.053	12.053	0.000	78	3000	0.2500	0.1834	
104 2-Naphthylamine	143	12.099	12.099	0.000	94	16103	0.2500	0.2046	
105 Diethyl phthalate	149	12.246	12.246	0.000	97	17673	0.2500	0.2236	
107 Fluorene	166	12.325	12.325	0.000	94	18705	0.2500	0.2381	
106 Thionazin	107	12.337	12.337	0.000	71	4278	0.2500	0.2505	
110 N-Nitro-o-toluidine	152	12.348	12.348	0.000	72	4498	0.2500	0.2088	
109 4-Chlorophenyl phenyl ether	204	12.359	12.359	0.000	84	8127	0.2500	0.2300	
108 4-Nitroaniline	138	12.359	12.359	0.000	83	3833	0.2500	0.1837	
111 4,6-Dinitro-2-methylphenol	198	12.405	12.405	0.000	77	7306	1.25	0.6514	
112 N-Nitrosodiphenylamine	169	12.496	12.496	0.000	65	13390	0.2500	0.2221	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	42	27444	0.2500	0.2458	
$ 114 2,4,6-Tribromophenol	330	12.620	12.620	0.000	91	4905	0.5000	0.4055	
115 Sulfotepp	97	12.722	12.722	0.000	76	3404	0.2500	0.2080	
116 cis-Diallate	86	12.859	12.859	0.000	86	7142	0.1850	0.1677	
117 Phorate	75	12.859	12.859	0.000	93	13285	0.2500	0.2182	
118 Phenacetin	108	12.881	12.881	0.000	89	6140	0.2500	0.1581	
119 4-Bromophenyl phenyl ether	248	12.938	12.938	0.000	73	4391	0.2500	0.2137	
120 trans-Diallate	86	12.961	12.961	0.000	89	2664	0.0650	0.0614	
121 Hexachlorobenzene	284	12.983	12.983	0.000	92	6179	0.2500	0.2488	
122 Dimethoate	87	13.051	13.051	0.000	96	5794	0.2500	0.1495	
123 Atrazine	200	13.165	13.165	0.000	82	4017	0.2500	0.2255	M
124 Pentachlorophenol	266	13.233	13.233	0.000	59	1561	0.2500	0.1204	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	61	1630	0.2500	0.1810	
125 4-Aminobiphenyl	169	13.256	13.256	0.000	88	10072	0.2500	0.2211	
127 Pronamide	173	13.346	13.346	0.000	88	5687	0.2500	0.1902	
* 128 Phenanthrene-d10	188	13.471	13.471	0.000	97	449725	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	61	1451	0.2500	0.2357	
130 Phenanthrene	178	13.505	13.505	0.000	96	26196	0.2500	0.2402	
131 Anthracene	178	13.562	13.562	0.000	97	25319	0.2500	0.2344	
132 Carbazole	167	13.789	13.789	0.000	95	19342	0.2500	0.2060	
133 Methyl parathion	109	13.993	13.993	0.000	86	4068	0.2500	0.1497	
134 Di-n-butyl phthalate	149	14.299	14.299	0.000	99	26429	0.2500	0.2098	
135 Ethyl Parathion	109	14.538	14.538	0.000	79	2741	0.2500	0.1709	
136 4-Nitroquinoline-1-oxide	190	14.549	14.549	0.000	72	1041	0.2500	0.3325	
137 Octachlorostyrene	308	14.878	14.878	0.000	83	1962	0.2500	0.2117	
138 Isodrin	193	14.935	14.935	0.000	81	2789	0.2500	0.2254	
139 Fluoranthene	202	15.150	15.150	0.000	98	22129	0.2500	0.2137	
140 Benzidine	184	15.377	15.377	0.000	99	127365	2.00	1.82	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	97	384258	5.00	5.00	
142 Pyrene	202	15.490	15.490	0.000	96	26966	0.2500	0.2477	
$ 143 p-Terphenyl-d14	244	15.785	15.785	0.000	97	32498	0.5000	0.4510	
144 p-Dimethylamino azobenzene	225	16.012	16.012	0.000	91	2836	0.2500	0.1761	
145 Chlorobenzilate	139	16.103	16.103	0.000	85	5895	0.2500	0.1716	
146 3,3'-Dimethylbenzidine	212	16.568	16.568	0.000	97	8861	0.2500	0.1515	M
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	96	9000	0.2500	0.1754	
148 2-Acetylaminofluorene	181	16.988	16.988	0.000	91	4261	0.2500	0.1145	
150 3,3'-Dichlorobenzidine	252	17.498	17.498	0.000	60	6196	0.2500	0.1823	
149 Benzo[a]anthracene	228	17.498	17.498	0.000	98	17990	0.2500	0.2092	
151 4,4'-Methylene bis(2-chloroani	231	17.521	17.521	0.000	84	2904	0.2500	0.1864	
152 Chrysene	228	17.555	17.555	0.000	96	19061	0.2500	0.2150	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	95	10678	0.2500	0.1529	
154 6-Methylchrysene	242	18.361	18.361	0.000	95	10996	0.2500	0.1853	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	98	16396	0.2500	0.1566	
156 Benzo[b]fluoranthene	252	19.347	19.347	0.000	98	18179	0.2500	0.2210	
157 7,12-Dimethylbenz(a)anthracene	256	19.359	19.359	0.000	90	7729	0.2500	0.2135	
158 Benzo[k]fluoranthene	252	19.393	19.393	0.000	97	19295	0.2500	0.2336	
159 Benzo[a]pyrene	252	19.881	19.881	0.000	78	17088	0.2500	0.2166	M
* 160 Perylene-d12	264	19.971	19.971	0.000	96	332110	5.00	5.00	
161 3-Methylcholanthrene	268	20.448	20.448	0.000	91	8454	0.2500	0.2163	M
162 Dibenz[a,h]acridine	279	21.265	21.265	0.000	90	13672	0.2500	0.2049	
163 Dibenz[a,j]acridine	279	21.333	21.333	0.000	94	14560	0.2500	0.2011	
164 Indeno[1,2,3-cd]pyrene	276	21.571	21.571	0.000	96	15444	0.2500	0.2019	M
165 Dibenz(a,h)anthracene	278	21.616	21.616	0.000	93	16758	0.2500	0.2107	
166 Benzo[g,h,i]perylene	276	21.957	21.957	0.000	95	17230	0.2500	0.2052	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00009 Amount Added: 1.00 Units: mL

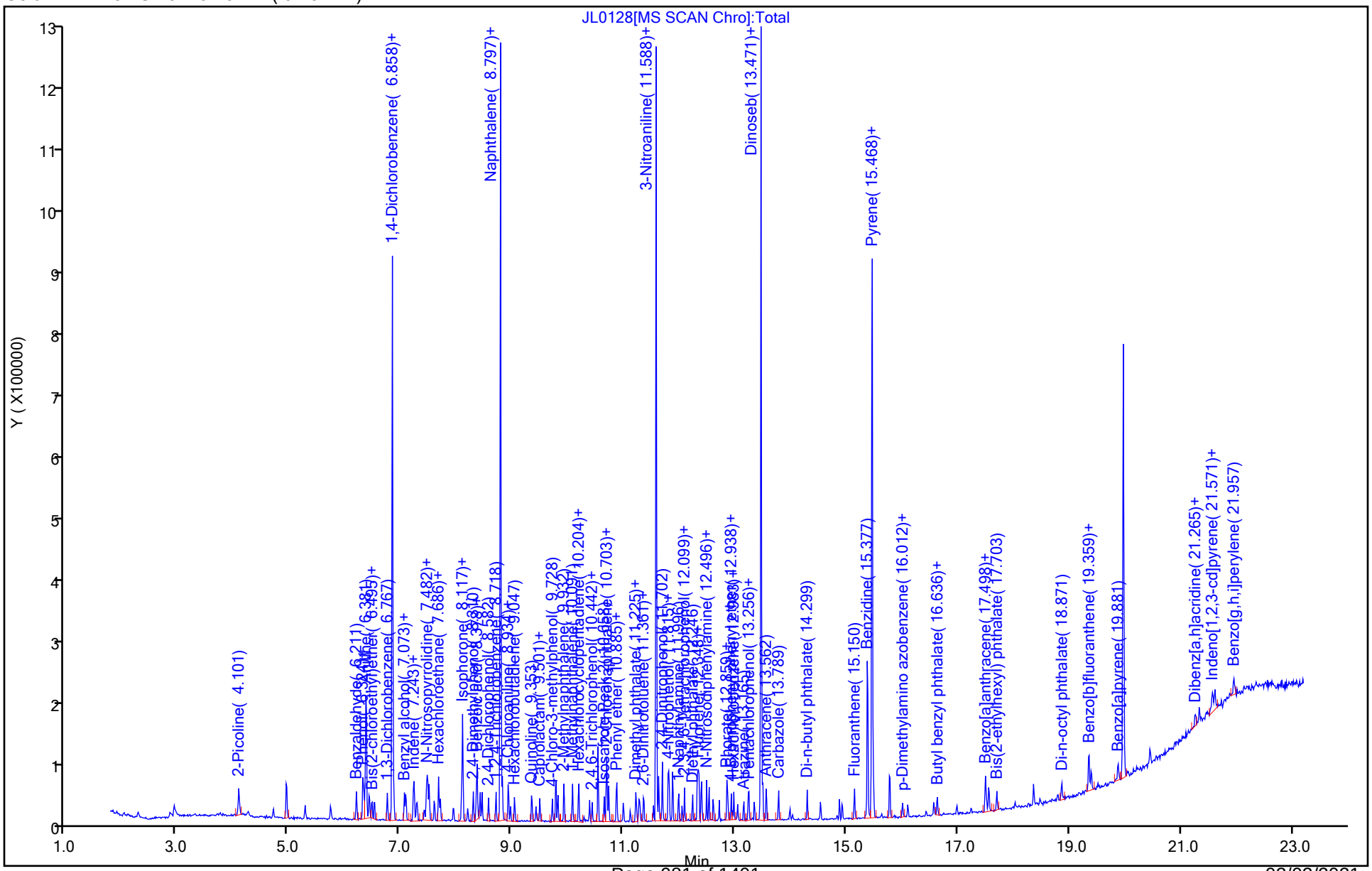
Report Date: 03-Dec-2020 21:41:29 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	IC L2			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

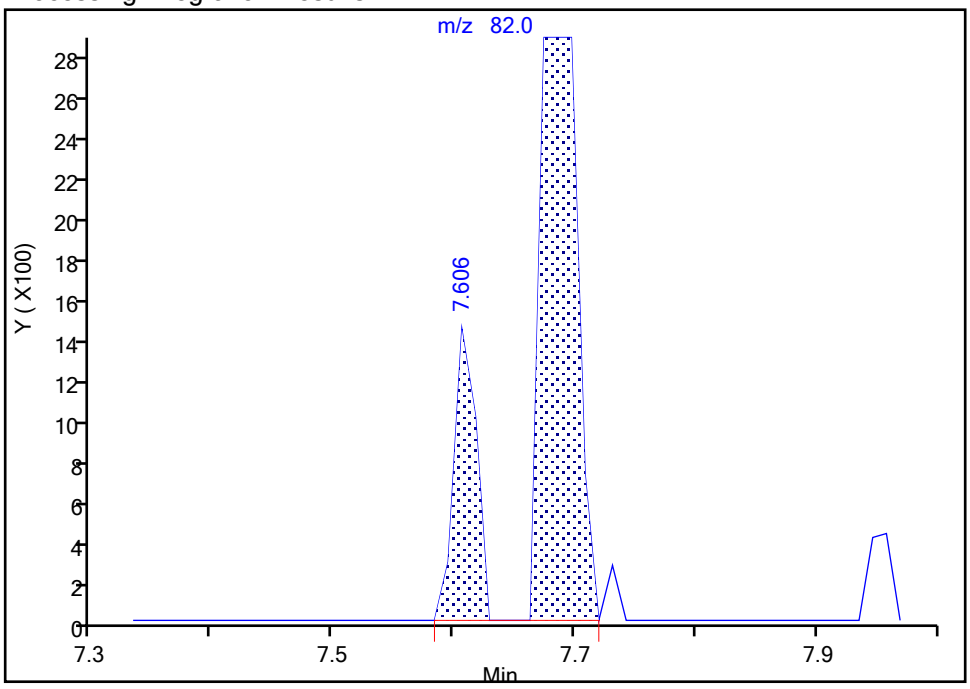
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D
Injection Date: 03-Dec-2020 18:43:30 Instrument ID: HP23264
Lims ID: IC L2
Client ID:
Operator ID: knb25316 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

$ 43 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

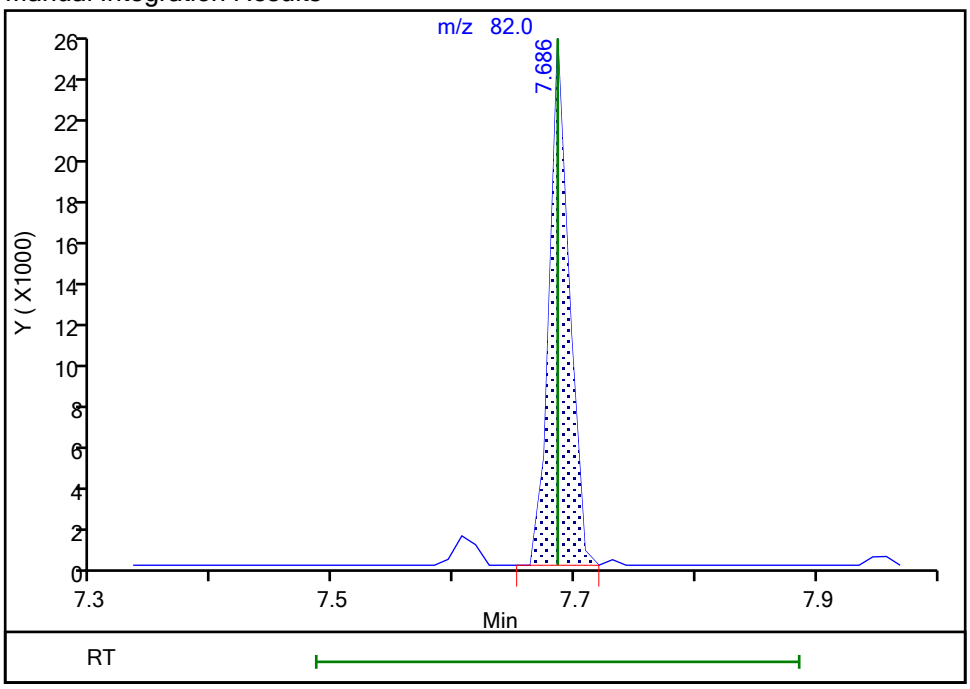
Processing Integration Results

RT: 7.61
Area: 30432
Amount: 0.488774
Amount Units: ug/ml



Manual Integration Results

RT: 7.69
Area: 28617
Amount: 0.463483
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:36:57
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

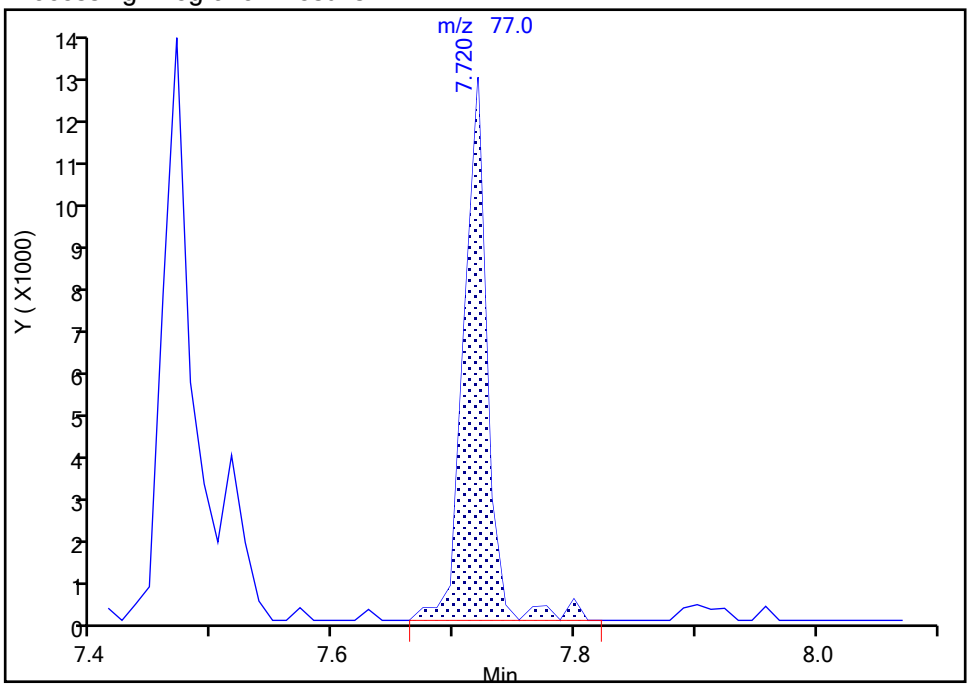
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

44 Nitrobenzene, CAS: 98-95-3

Signal: 1

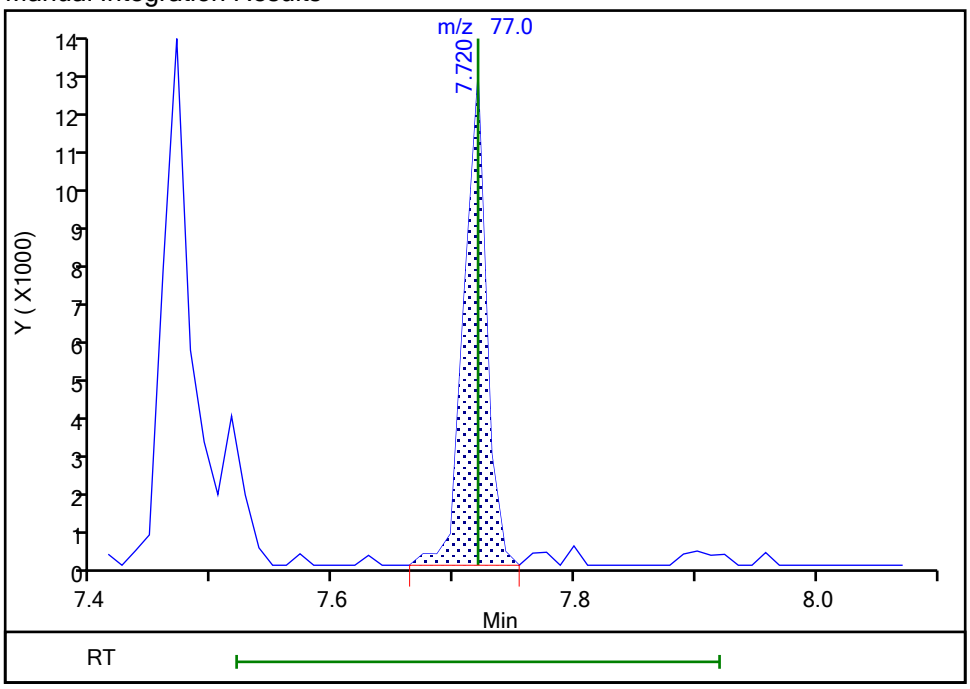
Processing Integration Results

RT: 7.72
Area: 17021
Amount: 0.261338
Amount Units: ug/ml



Manual Integration Results

RT: 7.72
Area: 16255
Amount: 0.251265
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:37:15
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

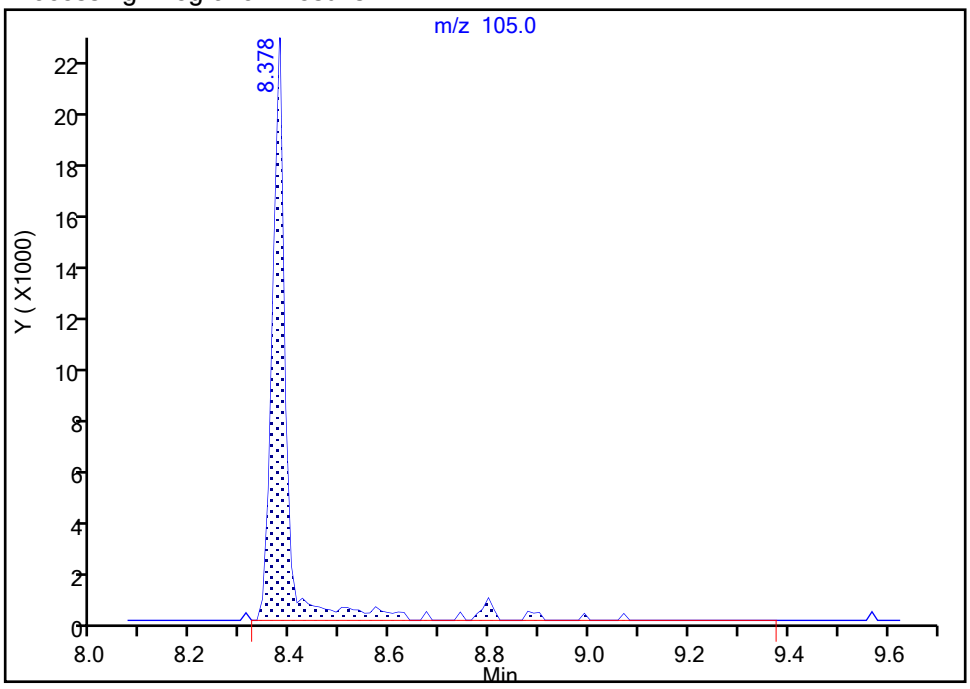
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

50 Benzoic acid, CAS: 65-85-0

Signal: 1

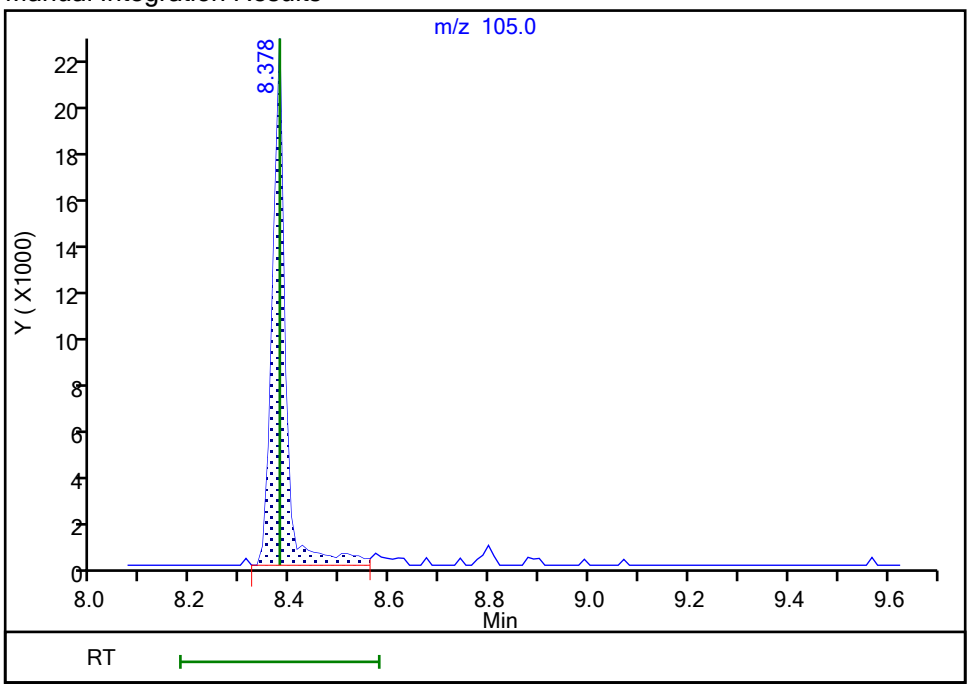
Processing Integration Results

RT: 8.38
Area: 45425
Amount: 3.312914
Amount Units: ug/ml



Manual Integration Results

RT: 8.38
Area: 41207
Amount: 3.219168
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:37:30
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

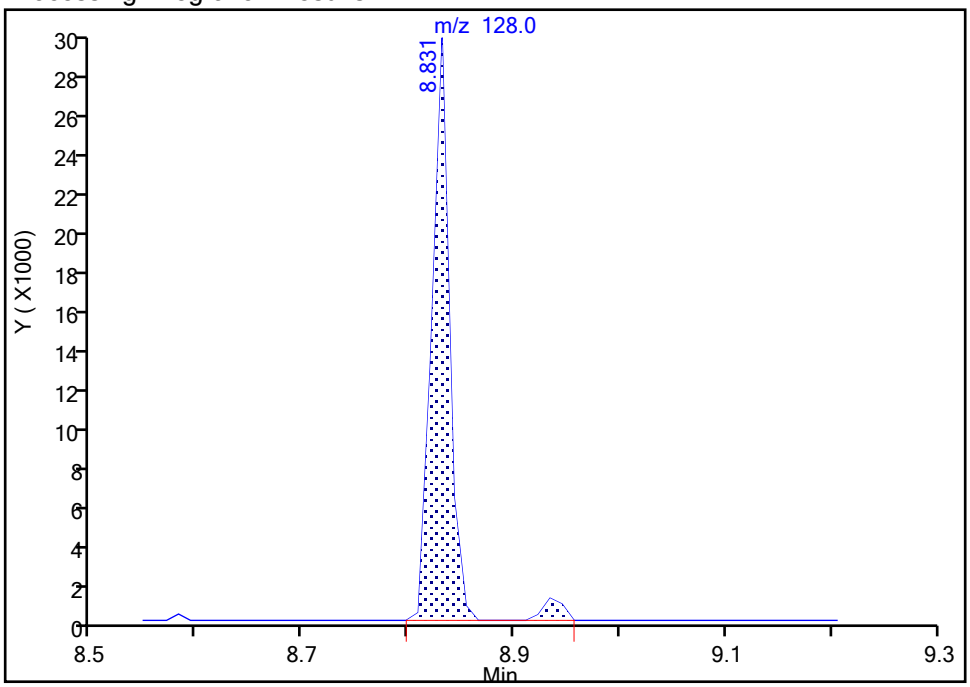
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

57 Naphthalene, CAS: 91-20-3

Signal: 1

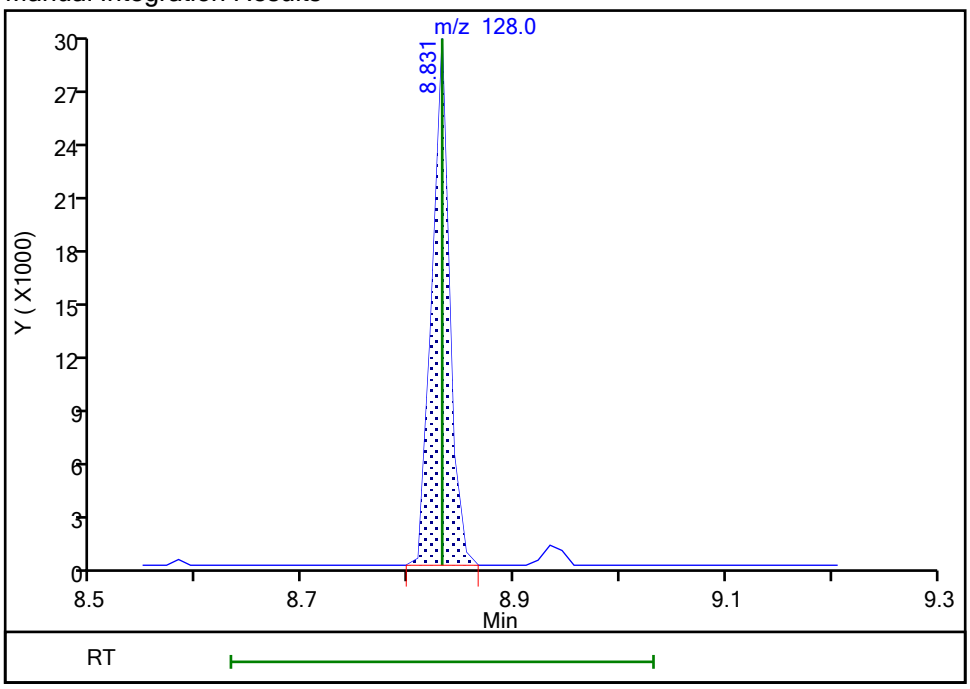
Processing Integration Results

RT: 8.83
Area: 34975
Amount: 0.248880
Amount Units: ug/ml



Manual Integration Results

RT: 8.83
Area: 33472
Amount: 0.239465
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:37:40
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

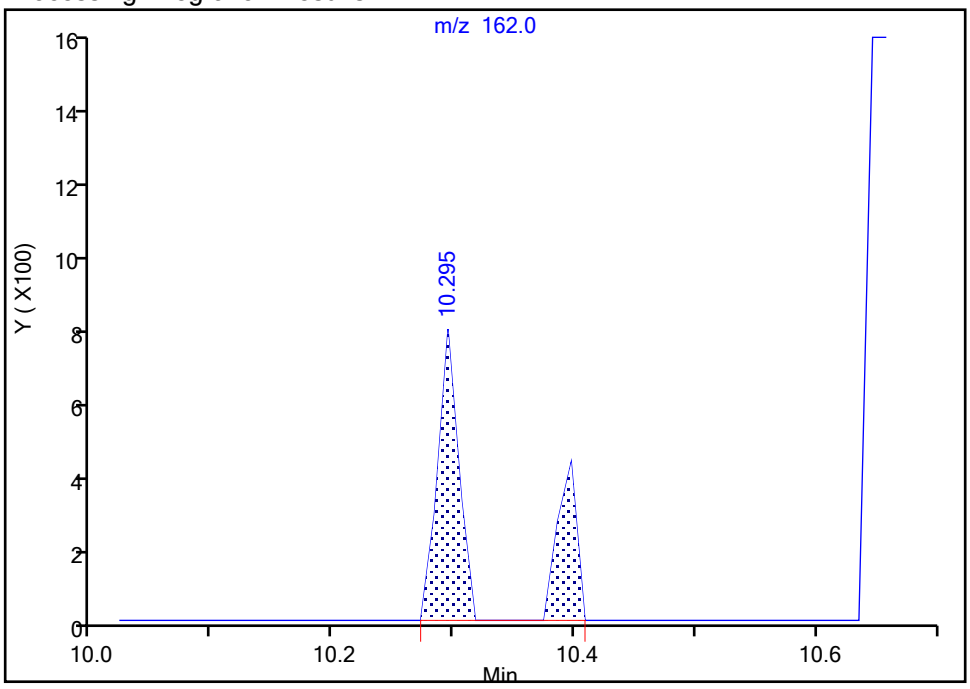
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

73 Isosafrole Peak 1, CAS: 120-58-1

Signal: 1

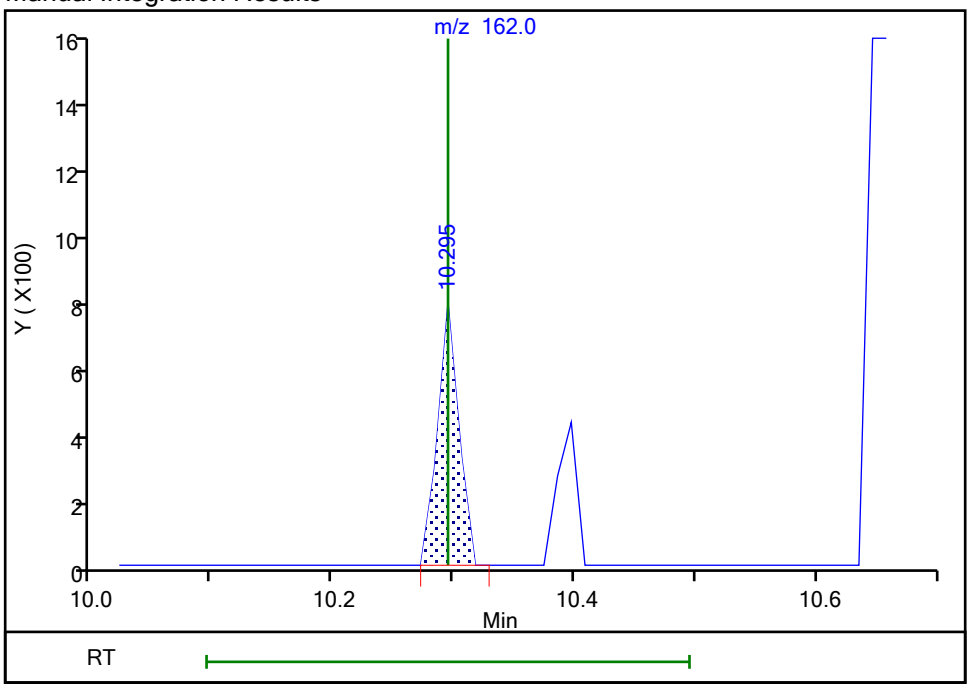
Processing Integration Results

RT: 10.29
Area: 1384
Amount: 0.038555
Amount Units: ug/ml



Manual Integration Results

RT: 10.29
Area: 924
Amount: 0.025740
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:37:51
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

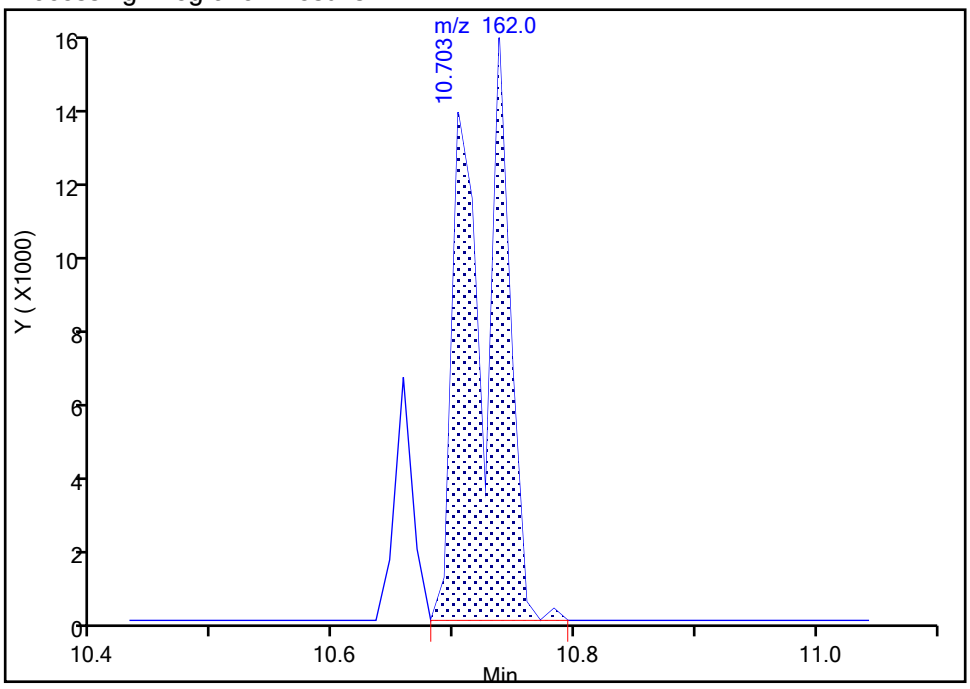
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

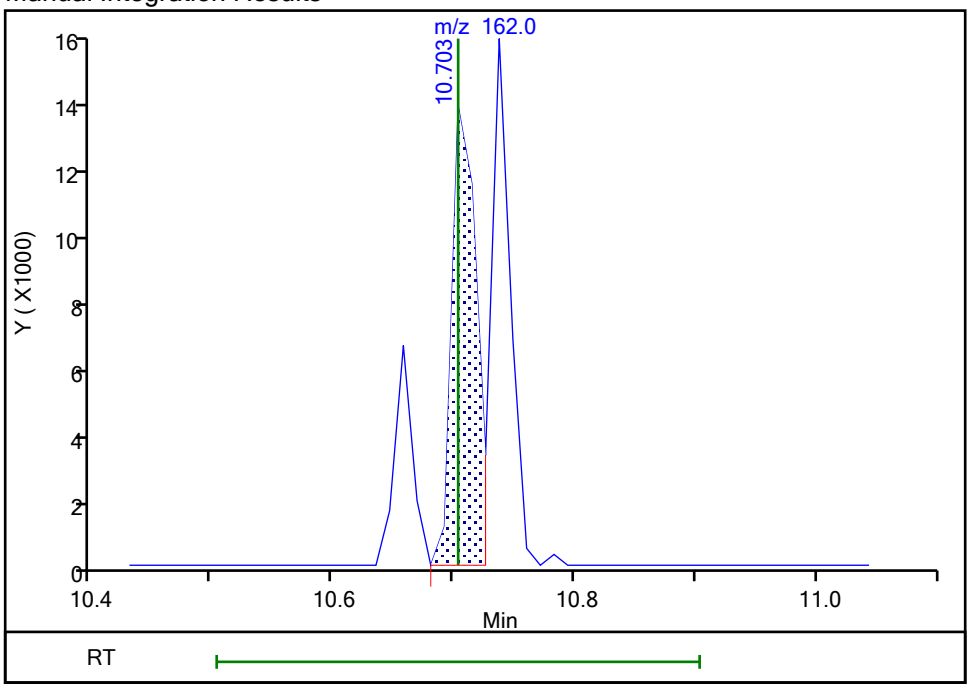
Processing Integration Results

RT: 10.70
Area: 36423
Amount: 0.289266
Amount Units: ug/ml



Manual Integration Results

RT: 10.70
Area: 19244
Amount: 0.242194
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:37:59
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

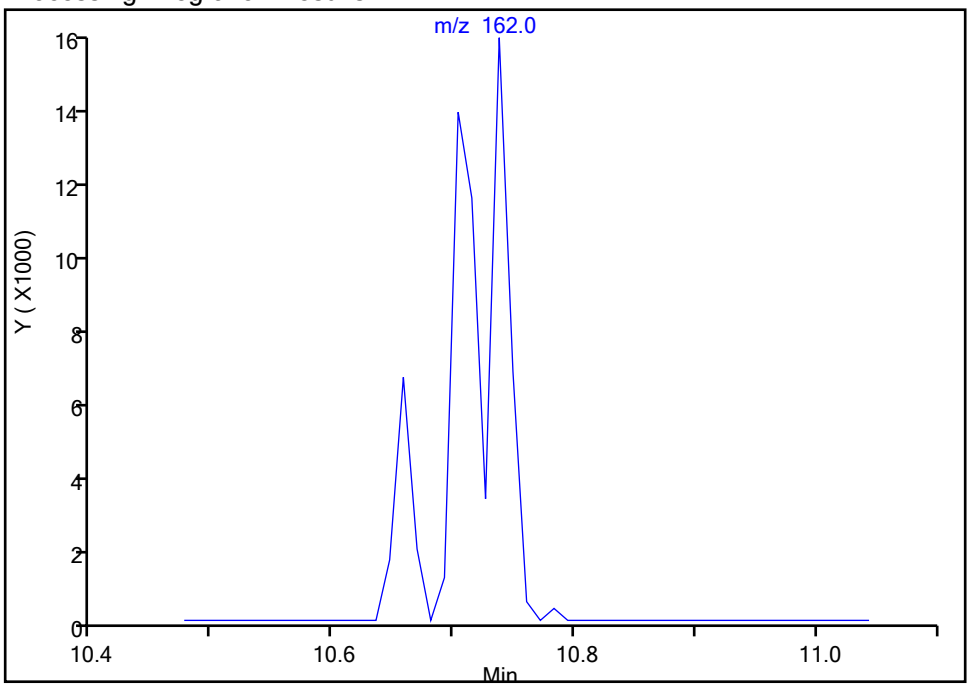
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D
Injection Date: 03-Dec-2020 18:43:30 Instrument ID: HP23264
Lims ID: IC L2
Client ID:
Operator ID: knb25316 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

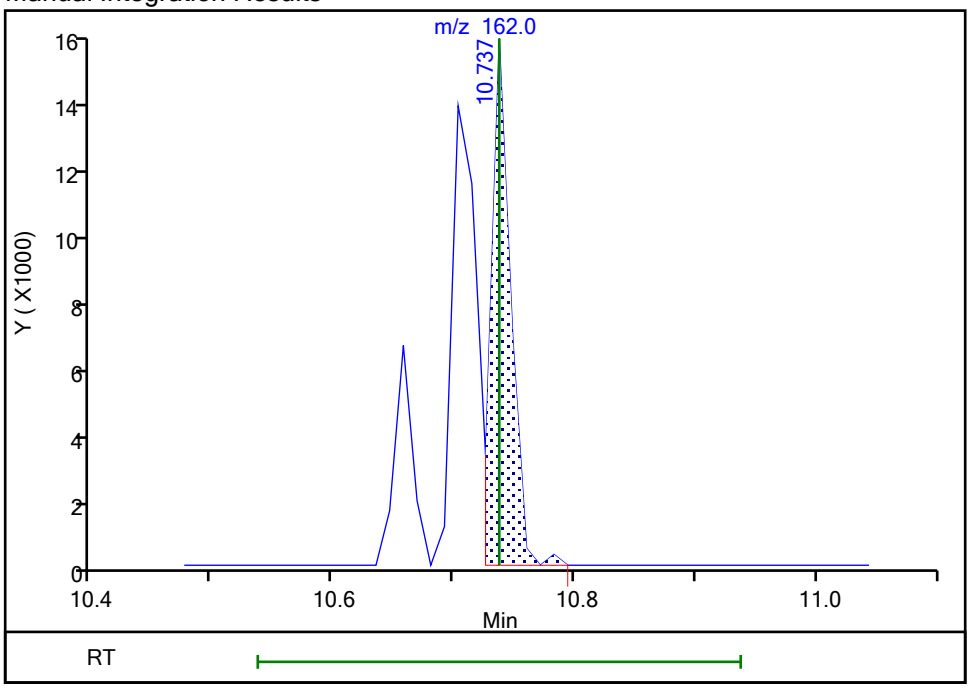
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.74
Area: 17178
Amount: 0.230250
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:38:10
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

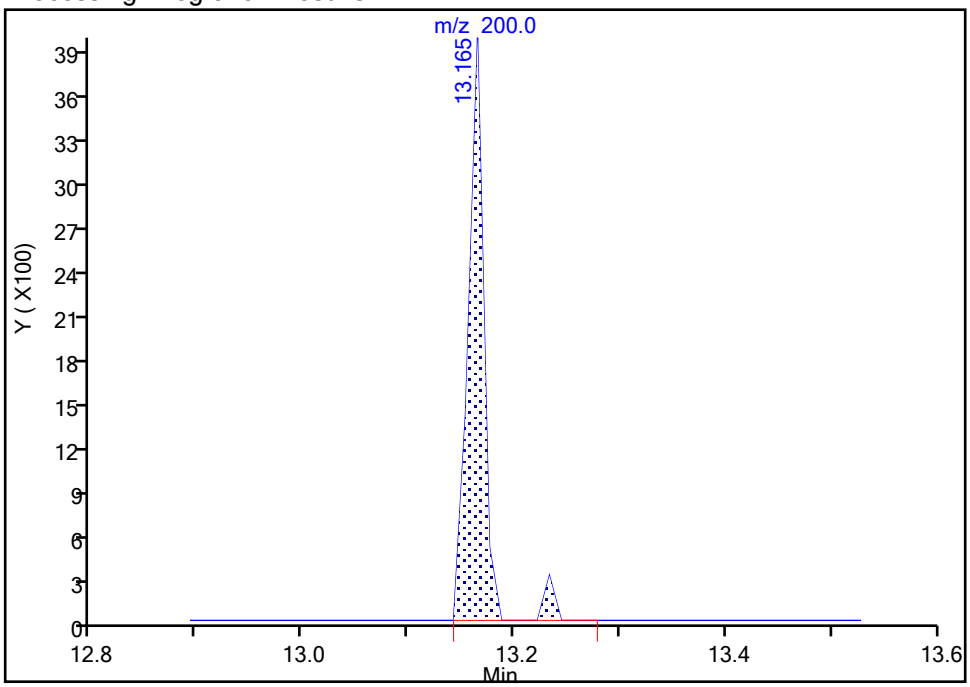
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 Atrazine, CAS: 1912-24-9

Signal: 1

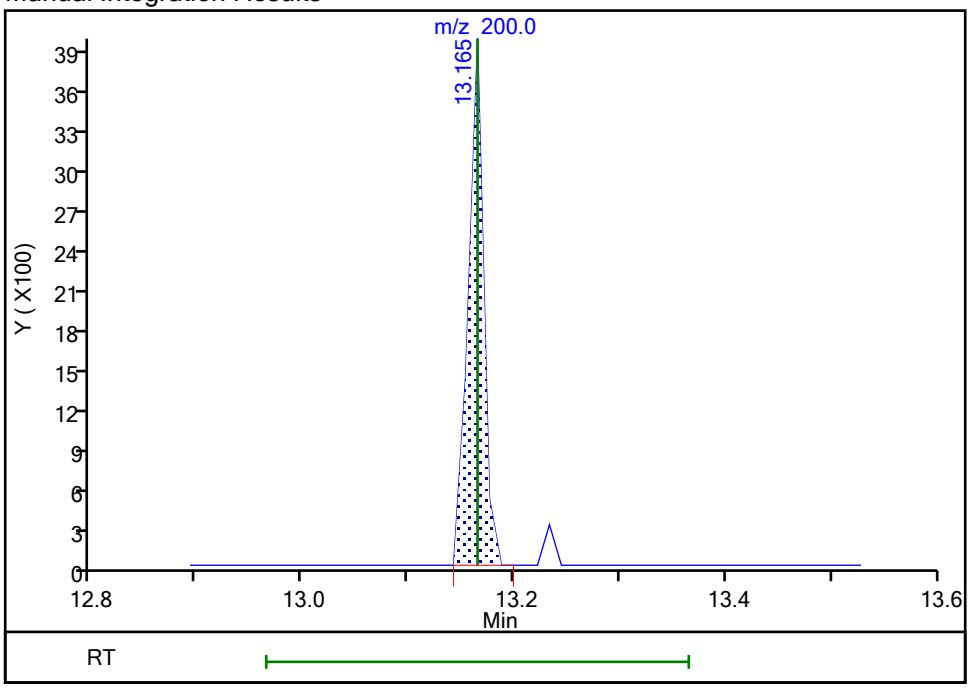
Processing Integration Results

RT: 13.16
Area: 4225
Amount: 0.235611
Amount Units: ug/ml



Manual Integration Results

RT: 13.16
Area: 4017
Amount: 0.225506
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:38:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

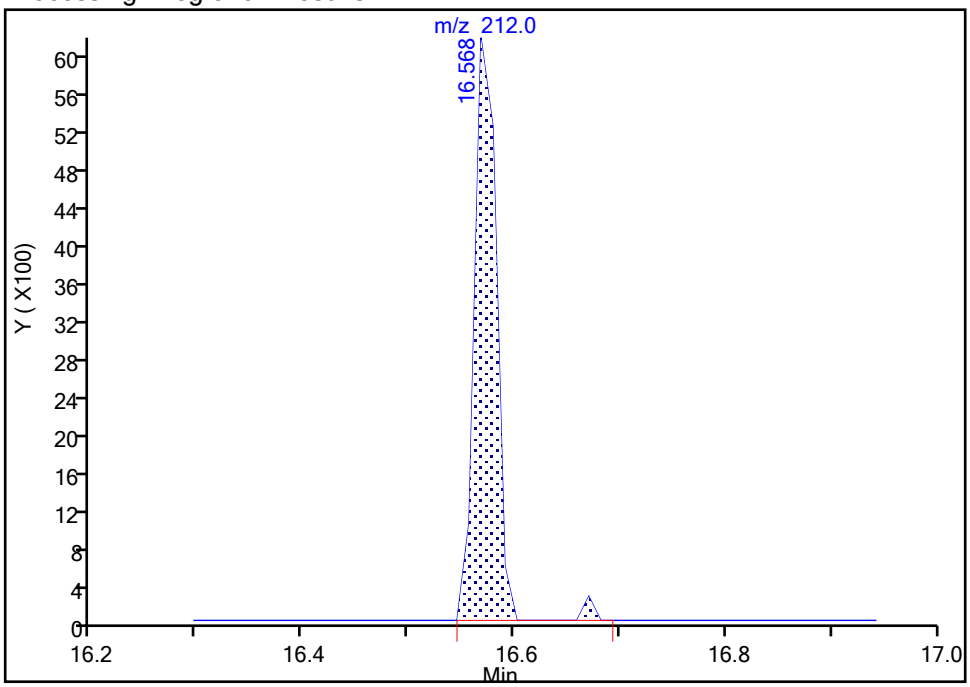
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

146 3,3'-Dimethylbenzidine, CAS: 119-93-7

Signal: 1

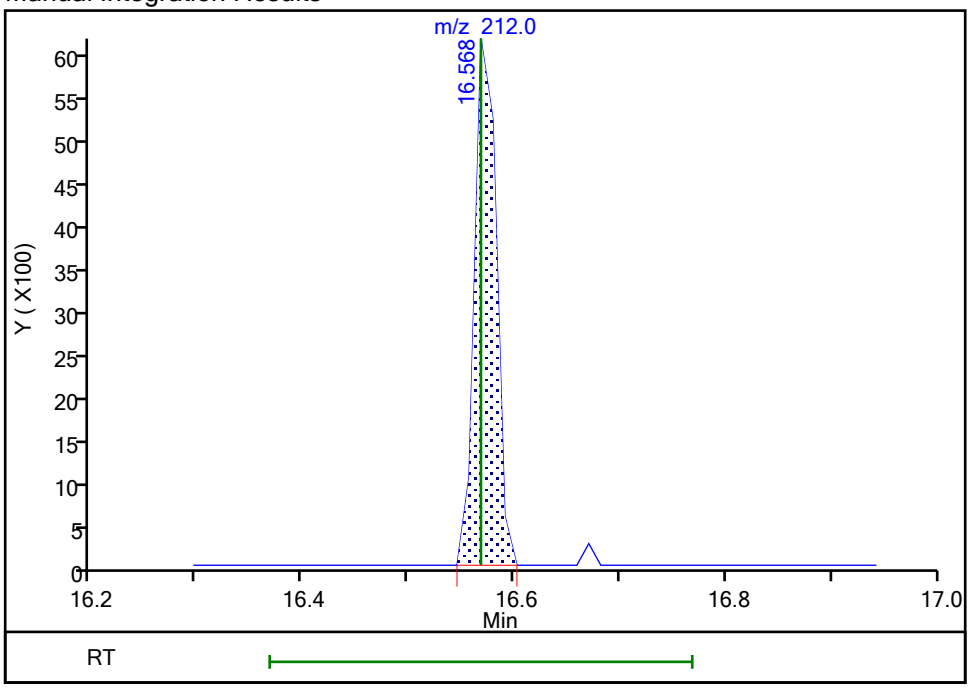
Processing Integration Results

RT: 16.57
Area: 9033
Amount: 0.154488
Amount Units: ug/ml



Manual Integration Results

RT: 16.57
Area: 8861
Amount: 0.151546
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:38:53
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

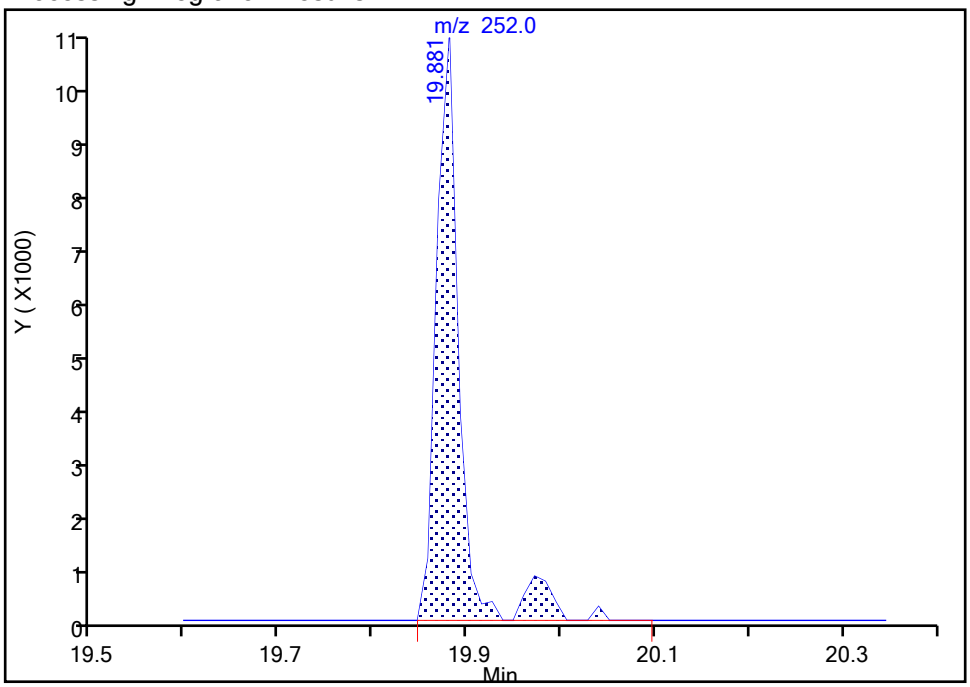
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Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

159 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

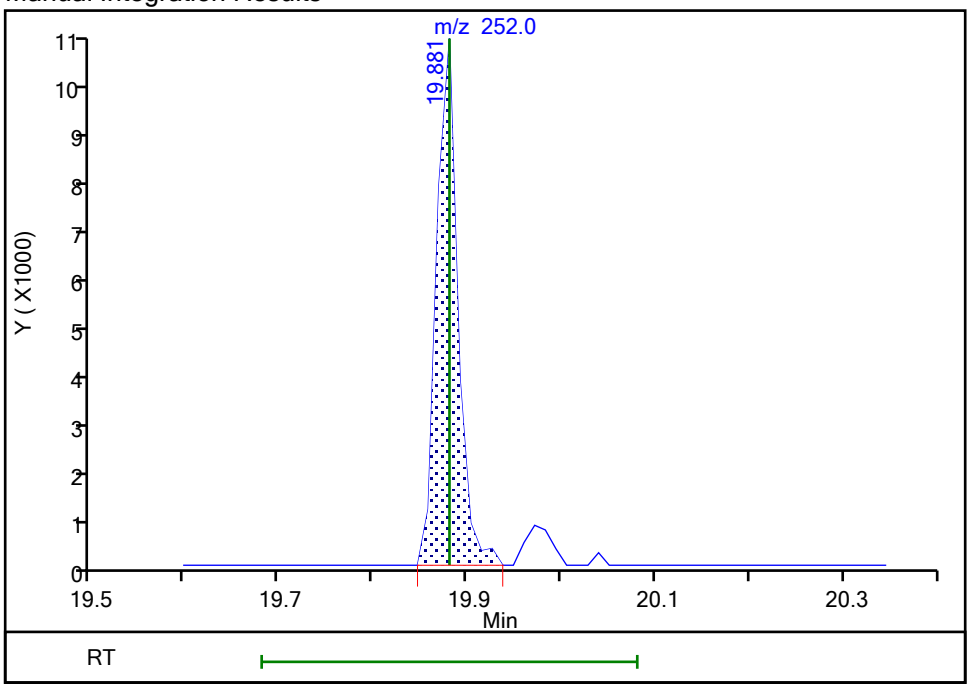
Processing Integration Results

RT: 19.88
Area: 18865
Amount: 0.236491
Amount Units: ug/ml



Manual Integration Results

RT: 19.88
Area: 17088
Amount: 0.216627
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:39:06
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

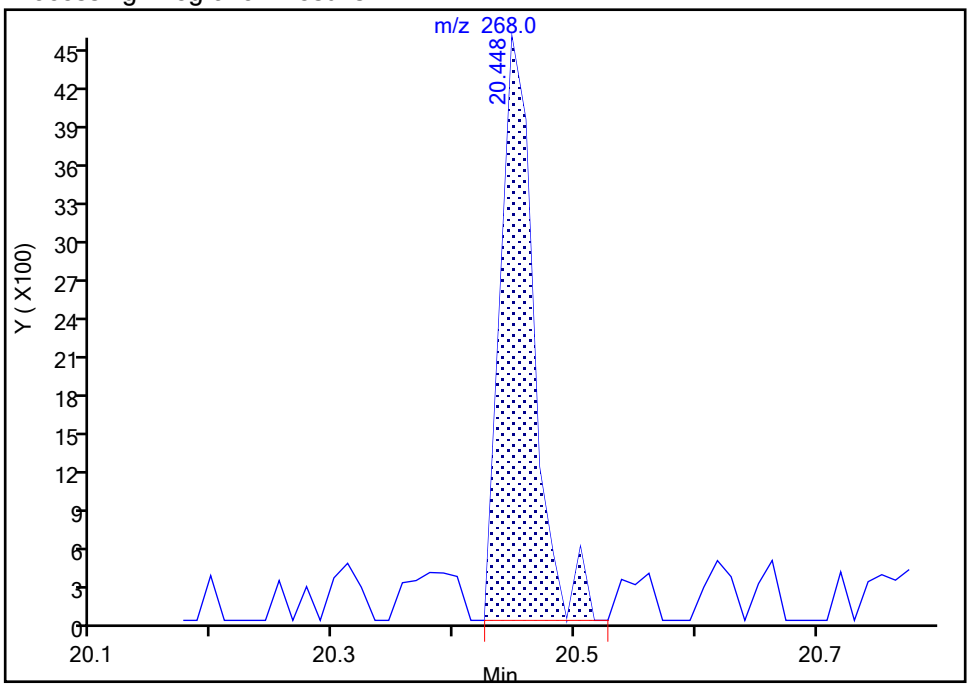
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

161 3-Methylcholanthrene, CAS: 56-49-5

Signal: 1

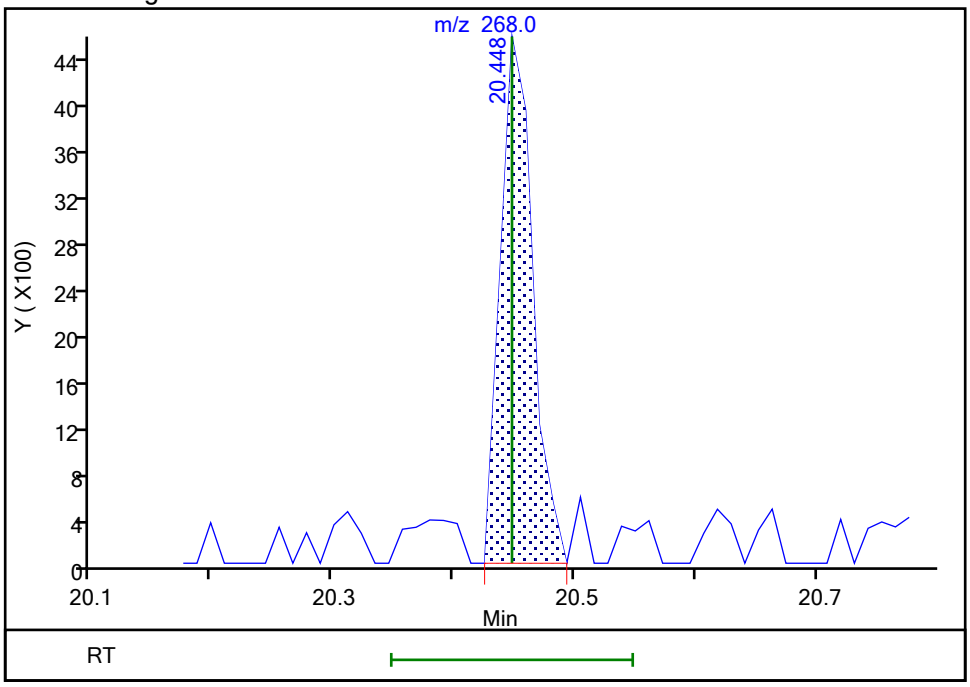
Processing Integration Results

RT: 20.45
Area: 8843
Amount: 0.225000
Amount Units: ug/ml



Manual Integration Results

RT: 20.45
Area: 8454
Amount: 0.216326
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:39:12
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

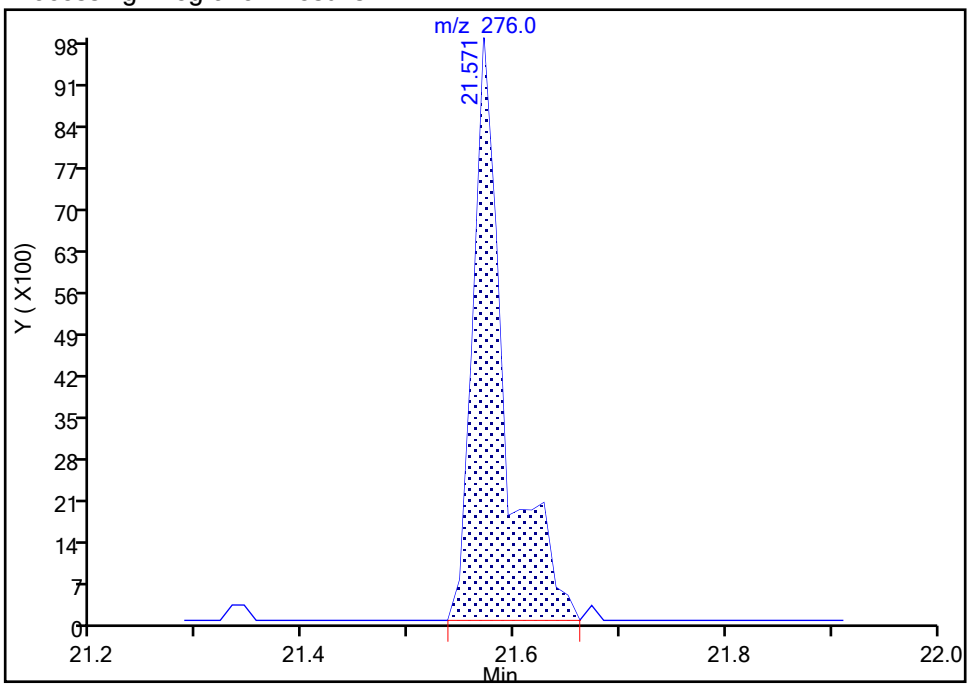
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D				
Injection Date:	03-Dec-2020 18:43:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

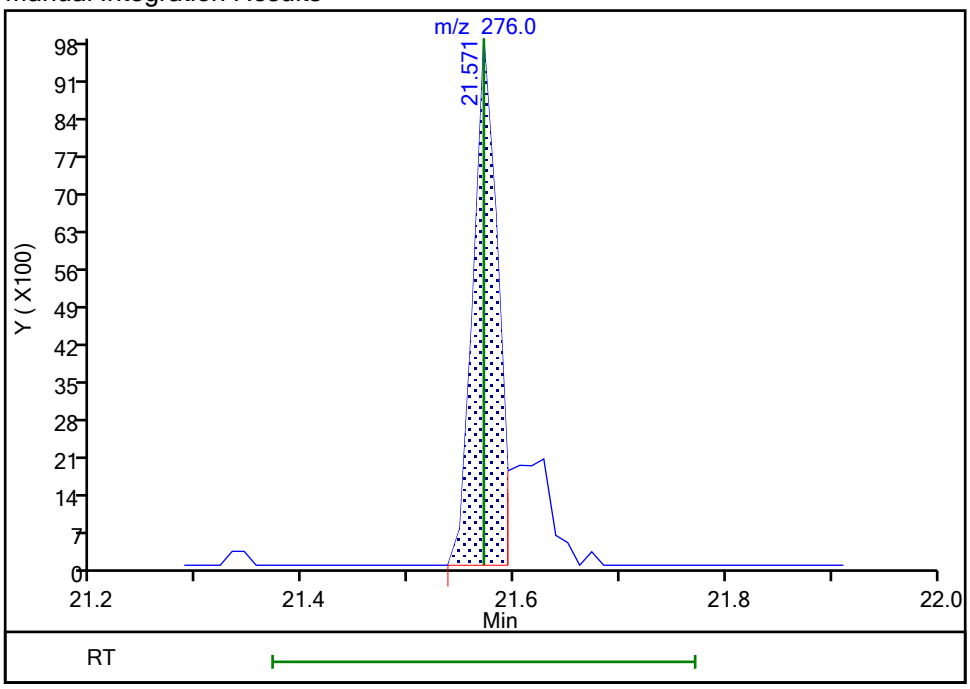
Processing Integration Results

RT: 21.57
Area: 20621
Amount: 0.260756
Amount Units: ug/ml



Manual Integration Results

RT: 21.57
Area: 15444
Amount: 0.201900
Amount Units: ug/ml



Reviewer: luttek, 03-Dec-2020 21:39:19
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Calibration / 1,4-Dioxane

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

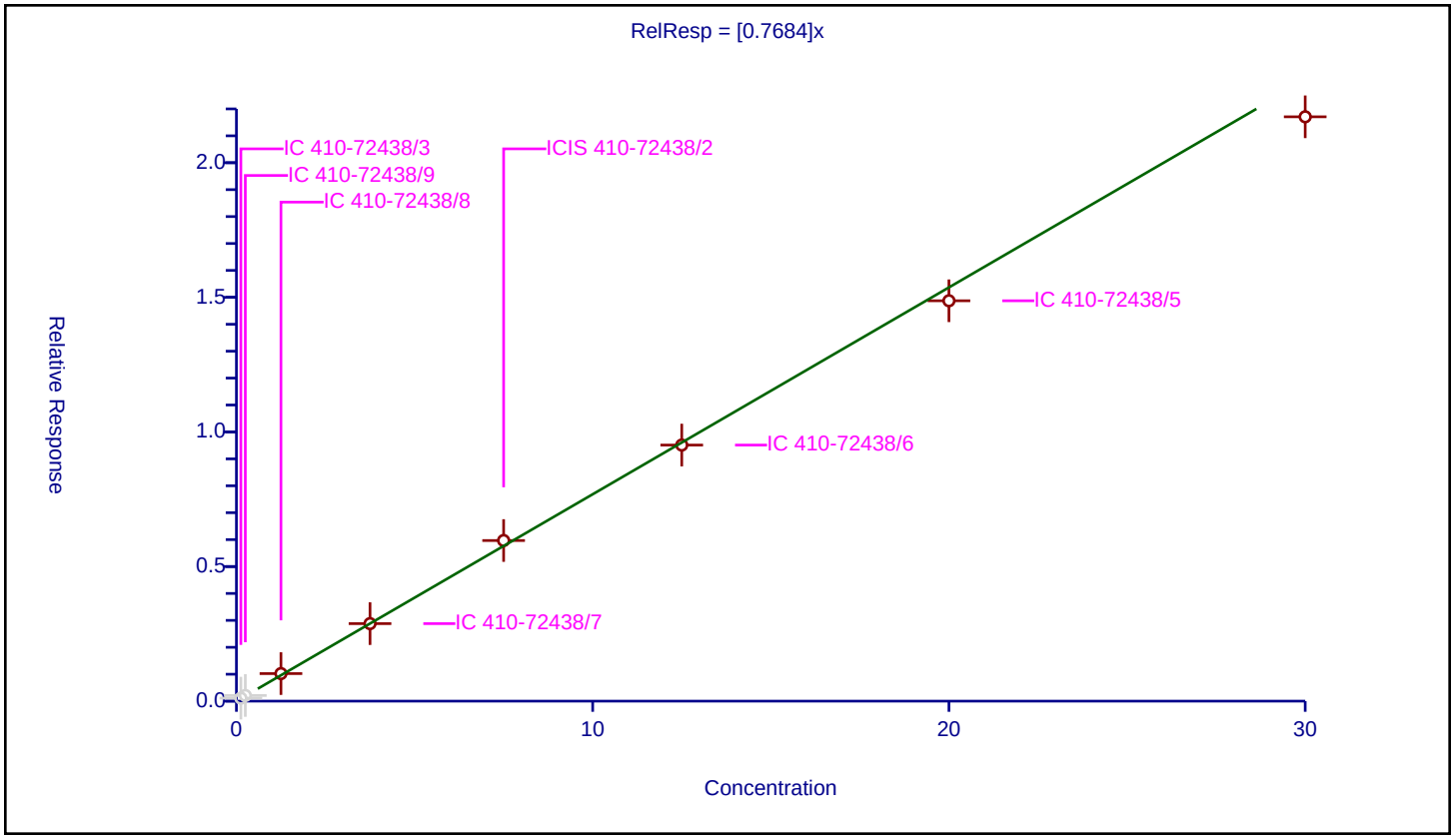
Curve Coefficients

Intercept:	0
Slope:	0.7684

Error Coefficients

Standard Error:	426000
Relative Standard Error:	4.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.111082	5.0	162492.0	0.888659	N
2	IC 410-72438/9	0.25	0.210195	5.0	168272.0	0.840782	N
3	IC 410-72438/8	1.25	1.023738	5.0	160373.0	0.818991	Y
4	IC 410-72438/7	3.75	2.879908	5.0	159361.0	0.767975	Y
5	ICIS 410-72438/2	7.5	5.966141	5.0	162823.0	0.795485	Y
6	IC 410-72438/6	12.5	9.512516	5.0	188724.0	0.761001	Y
7	IC 410-72438/5	20.0	14.872825	5.0	159741.0	0.743641	Y
8	IC 410-72438/4	30.0	21.705981	5.0	164020.0	0.723533	Y



Calibration / N-Nitrosodimethylamine

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

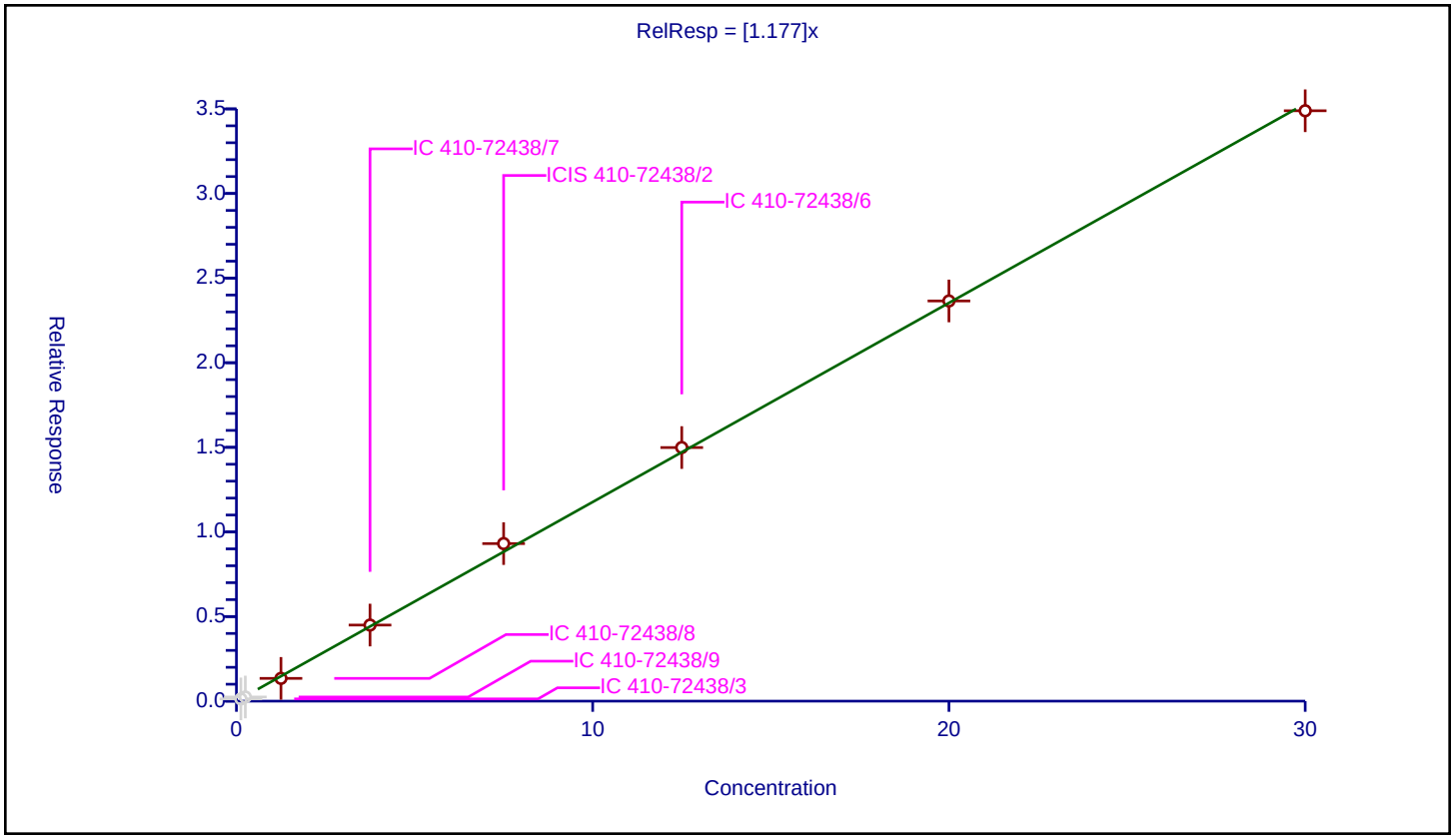
Curve Coefficients

Intercept:	0
Slope:	1.177

Error Coefficients

Standard Error:	680000
Relative Standard Error:	4.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.133391	5.0	162492.0	1.067129	N
2	IC 410-72438/9	0.25	0.244782	5.0	168272.0	0.979129	N
3	IC 410-72438/8	1.25	1.344553	5.0	160373.0	1.075642	Y
4	IC 410-72438/7	3.75	4.495893	5.0	159361.0	1.198905	Y
5	ICIS 410-72438/2	7.5	9.311461	5.0	162823.0	1.241528	Y
6	IC 410-72438/6	12.5	14.98723	5.0	188724.0	1.198978	Y
7	IC 410-72438/5	20.0	23.649564	5.0	159741.0	1.182478	Y
8	IC 410-72438/4	30.0	34.889861	5.0	164020.0	1.162995	Y



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

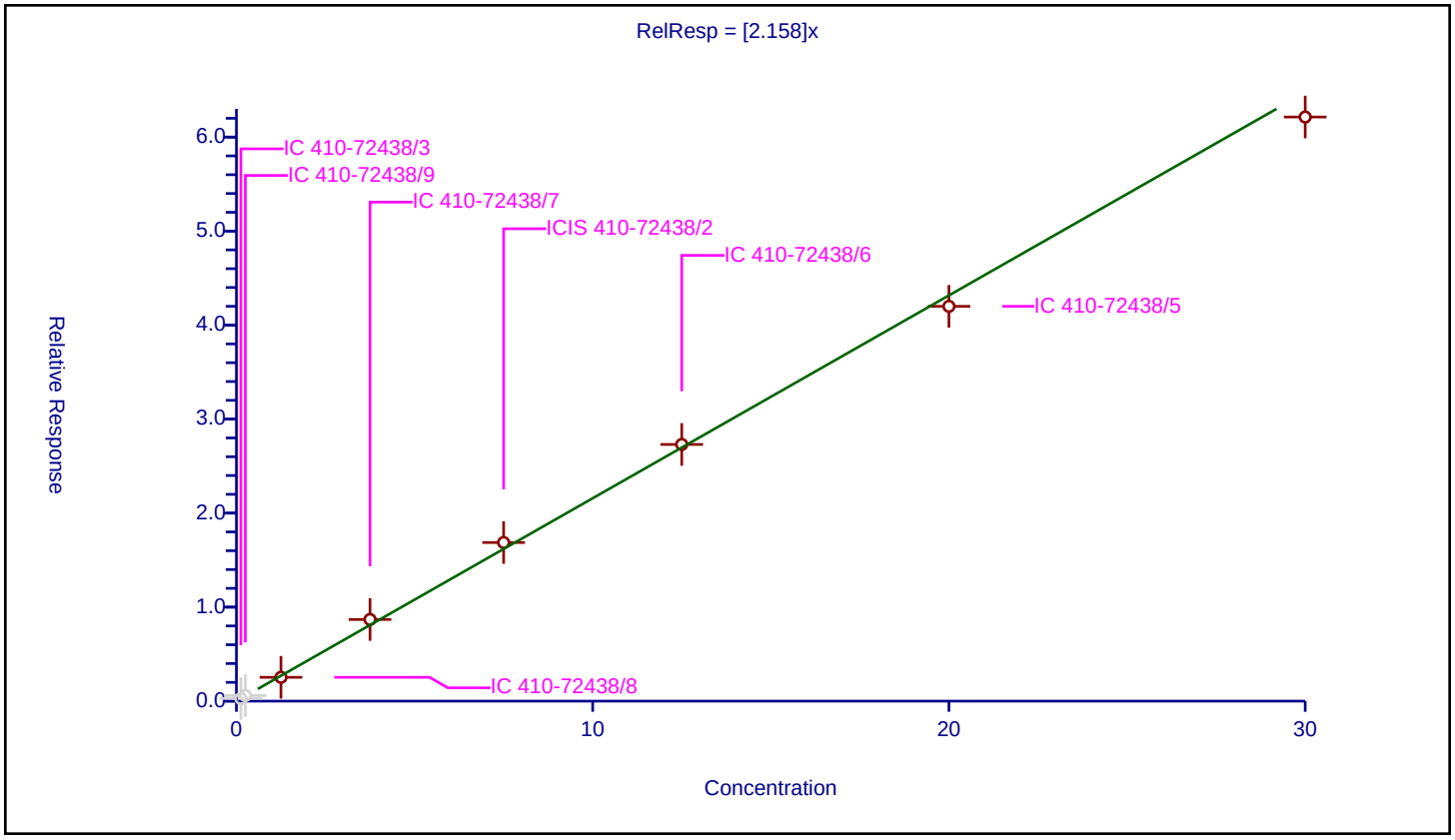
Curve Coefficients

Intercept:	0
Slope:	2.158

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	5.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.288907	5.0	162492.0	2.311252	N
2	IC 410-72438/9	0.25	0.594989	5.0	168272.0	2.379956	N
3	IC 410-72438/8	1.25	2.533313	5.0	160373.0	2.02665	Y
4	IC 410-72438/7	3.75	8.685751	5.0	159361.0	2.3162	Y
5	ICIS 410-72438/2	7.5	16.872401	5.0	162823.0	2.249654	Y
6	IC 410-72438/6	12.5	27.304768	5.0	188724.0	2.184381	Y
7	IC 410-72438/5	20.0	41.99861	5.0	159741.0	2.099931	Y
8	IC 410-72438/4	30.0	62.135624	5.0	164020.0	2.071187	Y



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

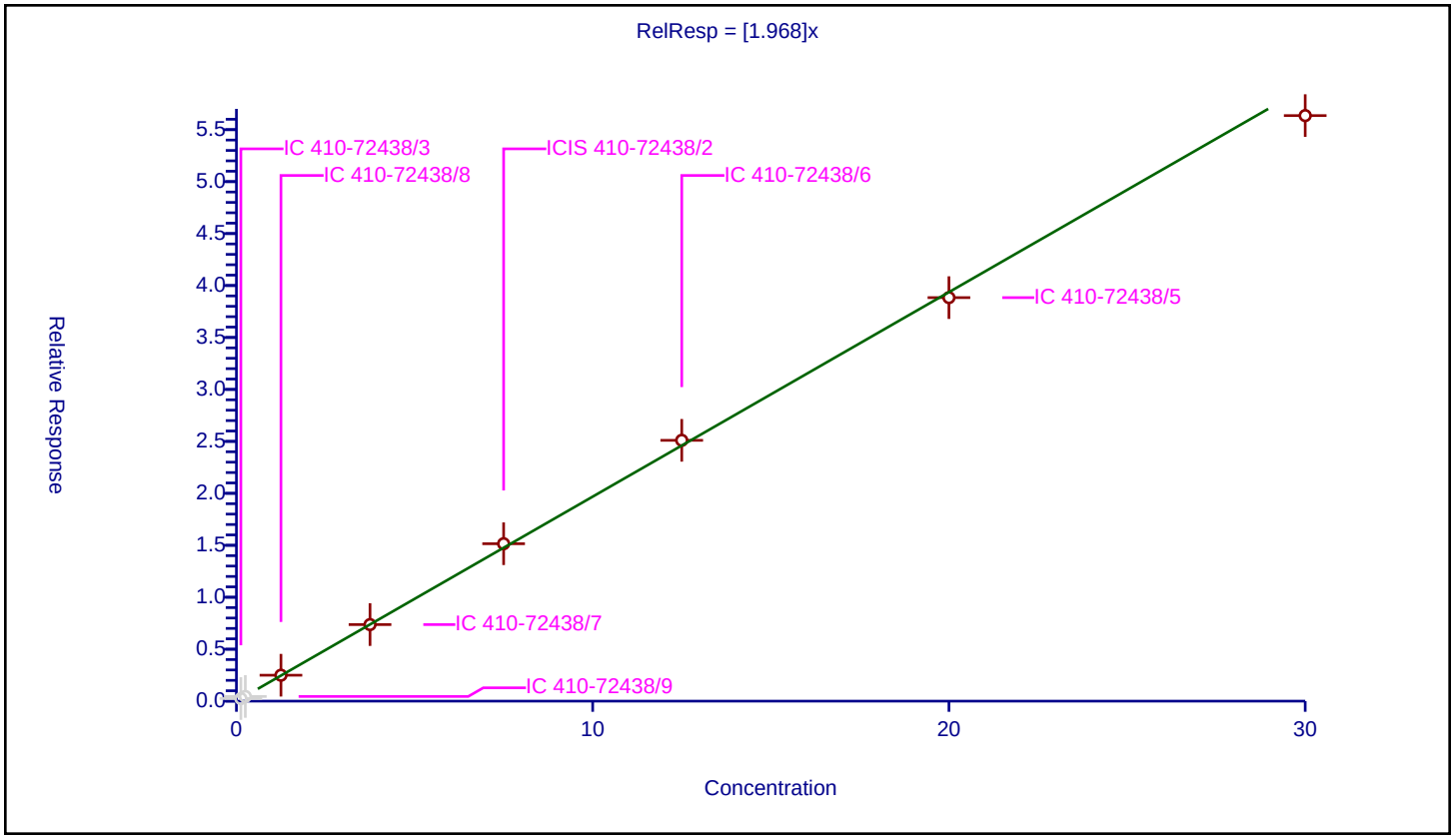
Curve Coefficients

Intercept:	0
Slope:	1.968

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	2.7
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.250782	5.0	162492.0	2.006253	N
2	IC 410-72438/9	0.25	0.450461	5.0	168272.0	1.801845	N
3	IC 410-72438/8	1.25	2.494903	5.0	160373.0	1.995922	Y
4	IC 410-72438/7	3.75	7.367079	5.0	159361.0	1.964554	Y
5	ICIS 410-72438/2	7.5	15.149825	5.0	162823.0	2.019977	Y
6	IC 410-72438/6	12.5	25.102001	5.0	188724.0	2.00816	Y
7	IC 410-72438/5	20.0	38.836992	5.0	159741.0	1.94185	Y
8	IC 410-72438/4	30.0	56.352853	5.0	164020.0	1.878428	Y



Calibration / N-Nitrosomethylethylamine

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

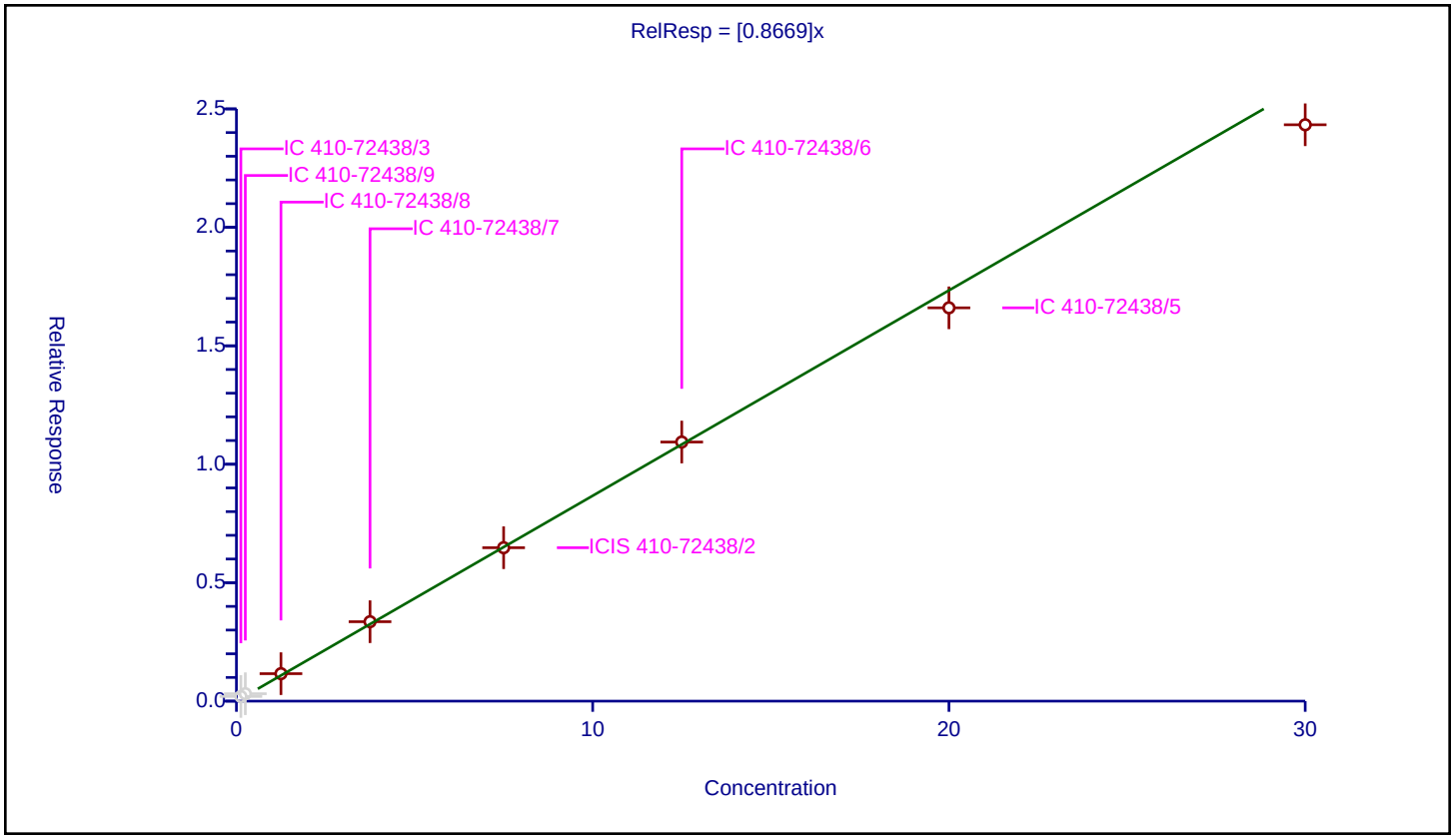
Curve Coefficients

Intercept:	0
Slope:	0.8669

Error Coefficients

Standard Error:	479000
Relative Standard Error:	4.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.197856	5.0	162492.0	1.582847	N
2	IC 410-72438/9	0.25	0.313391	5.0	168272.0	1.253566	N
3	IC 410-72438/8	1.25	1.159672	5.0	160373.0	0.927737	Y
4	IC 410-72438/7	3.75	3.353487	5.0	159361.0	0.894263	Y
5	ICIS 410-72438/2	7.5	6.476542	5.0	162823.0	0.863539	Y
6	IC 410-72438/6	12.5	10.937984	5.0	188724.0	0.875039	Y
7	IC 410-72438/5	20.0	16.602219	5.0	159741.0	0.830111	Y
8	IC 410-72438/4	30.0	24.329472	5.0	164020.0	0.810982	Y



Calibration / Methyl methanesulfonate

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

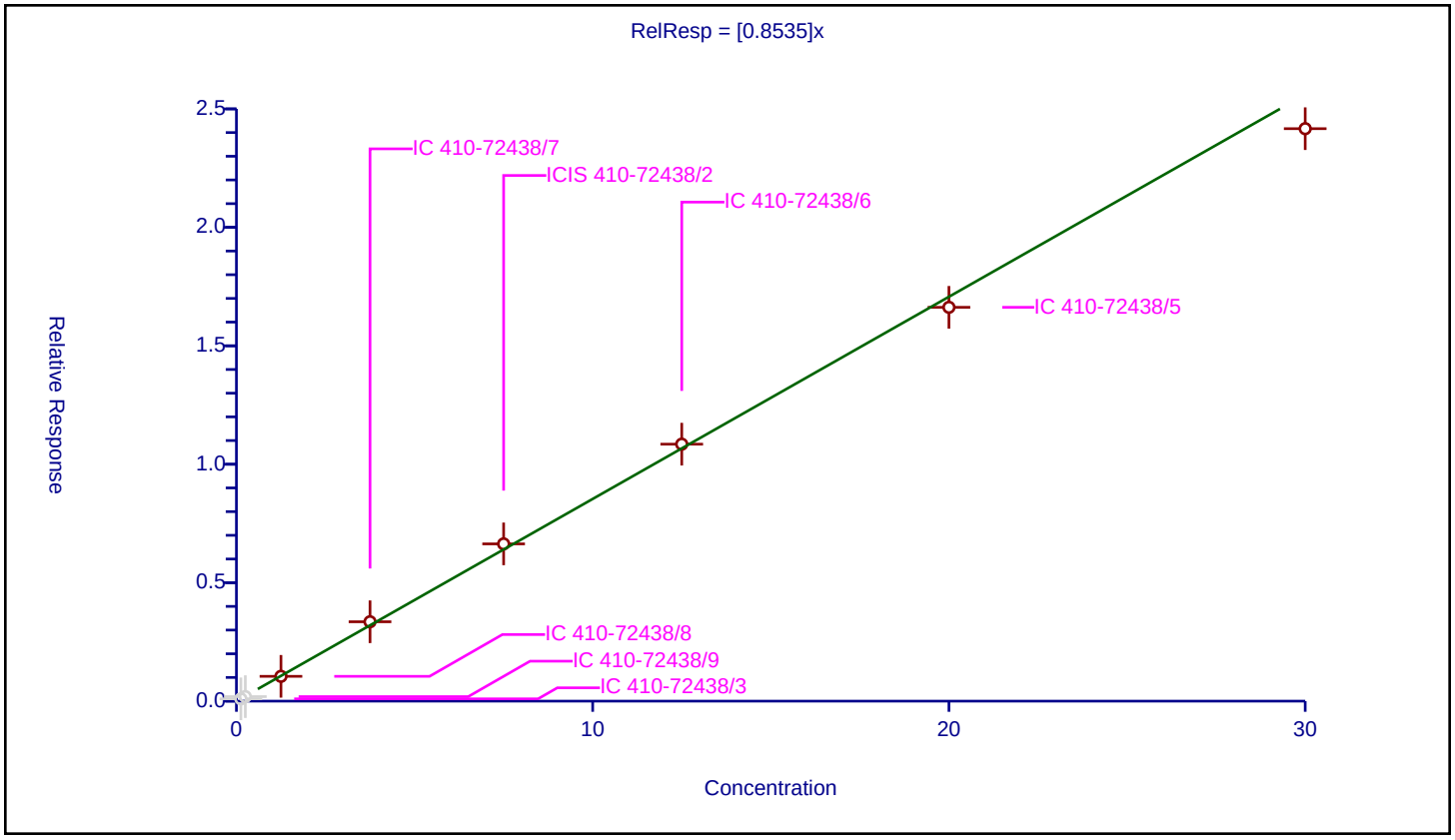
Curve Coefficients

Intercept:	0
Slope:	0.8535

Error Coefficients

Standard Error:	477000
Relative Standard Error:	4.0
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.097266	5.0	162492.0	0.778131	N
2	IC 410-72438/9	0.25	0.190198	5.0	168272.0	0.760792	N
3	IC 410-72438/8	1.25	1.047215	5.0	160373.0	0.837772	Y
4	IC 410-72438/7	3.75	3.351196	5.0	159361.0	0.893652	Y
5	ICIS 410-72438/2	7.5	6.638436	5.0	162823.0	0.885125	Y
6	IC 410-72438/6	12.5	10.847428	5.0	188724.0	0.867794	Y
7	IC 410-72438/5	20.0	16.62391	5.0	159741.0	0.831195	Y
8	IC 410-72438/4	30.0	24.164736	5.0	164020.0	0.805491	Y



Calibration / 2-Fluorophenol

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

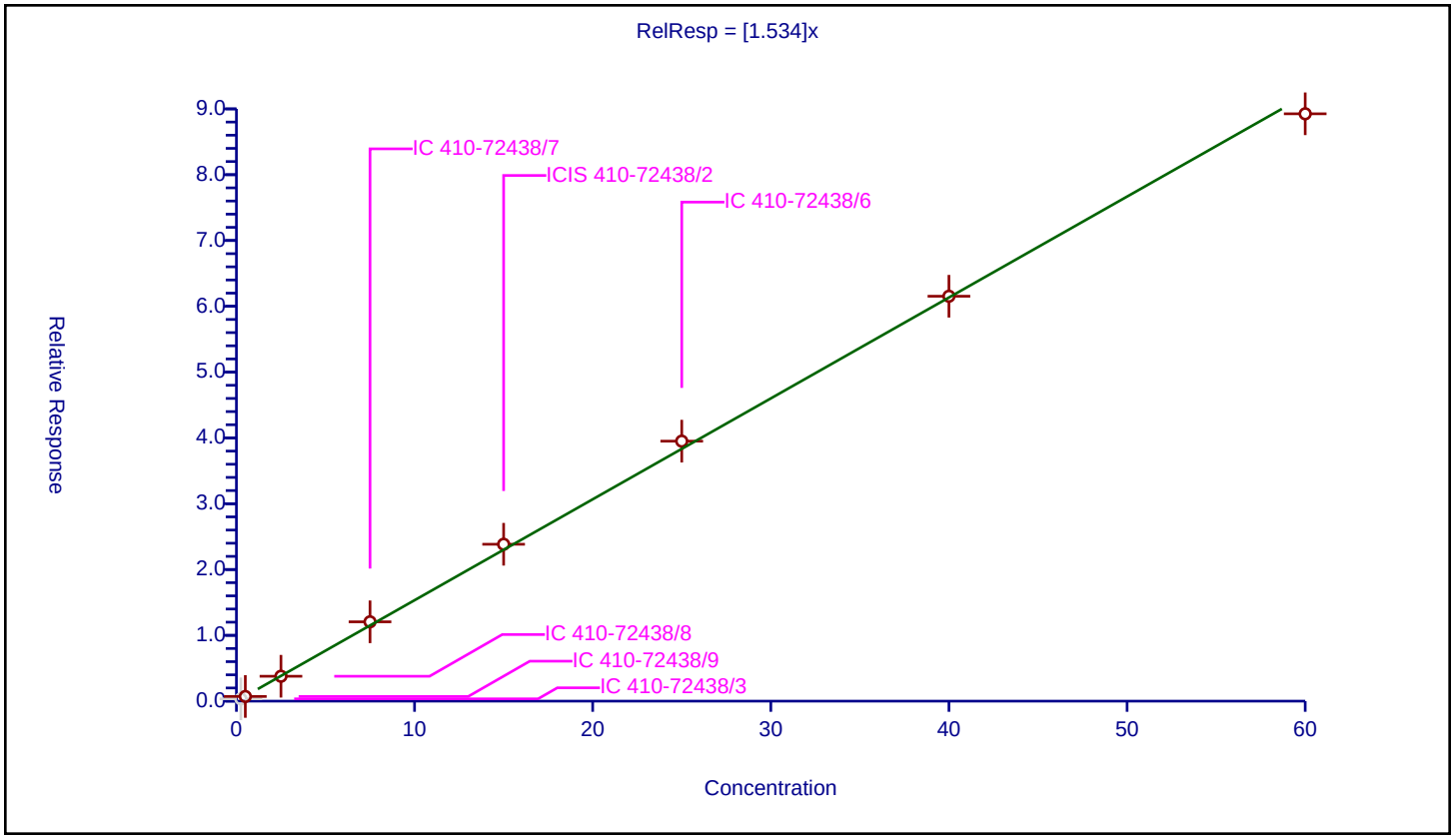
Curve Coefficients

Intercept:	0
Slope:	1.534

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	4.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.25	0.349986	5.0	162492.0	1.399946	N
2	IC 410-72438/9	0.5	0.70906	5.0	168272.0	1.418121	Y
3	IC 410-72438/8	2.5	3.783898	5.0	160373.0	1.513559	Y
4	IC 410-72438/7	7.5	12.054424	5.0	159361.0	1.607256	Y
5	ICIS 410-72438/2	15.0	23.83963	5.0	162823.0	1.589309	Y
6	IC 410-72438/6	25.0	39.50976	5.0	188724.0	1.58039	Y
7	IC 410-72438/5	40.0	61.530728	5.0	159741.0	1.538268	Y
8	IC 410-72438/4	60.0	89.256859	5.0	164020.0	1.487614	Y



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

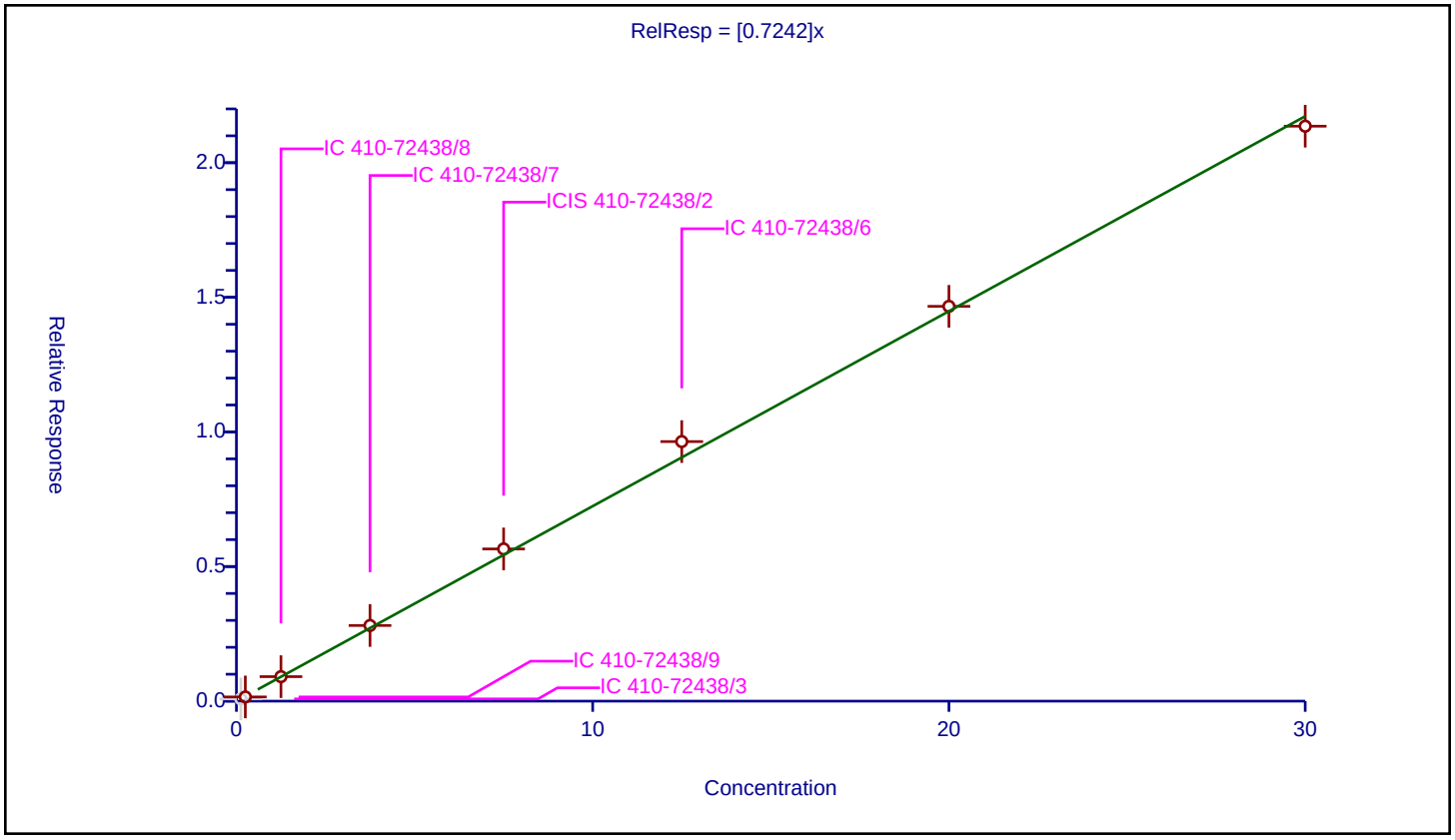
Curve Coefficients

Intercept:	0
Slope:	0.7242

Error Coefficients

Standard Error:	384000
Relative Standard Error:	6.8
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.082589	5.0	162492.0	0.660709	N
2	IC 410-72438/9	0.25	0.155492	5.0	168272.0	0.621969	Y
3	IC 410-72438/8	1.25	0.909661	5.0	160373.0	0.727728	Y
4	IC 410-72438/7	3.75	2.810223	5.0	159361.0	0.749393	Y
5	ICIS 410-72438/2	7.5	5.65344	5.0	162823.0	0.753792	Y
6	IC 410-72438/6	12.5	9.641831	5.0	188724.0	0.771347	Y
7	IC 410-72438/5	20.0	14.665552	5.0	159741.0	0.733278	Y
8	IC 410-72438/4	30.0	21.357944	5.0	164020.0	0.711931	Y



Calibration / Ethyl methanesulfonate

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

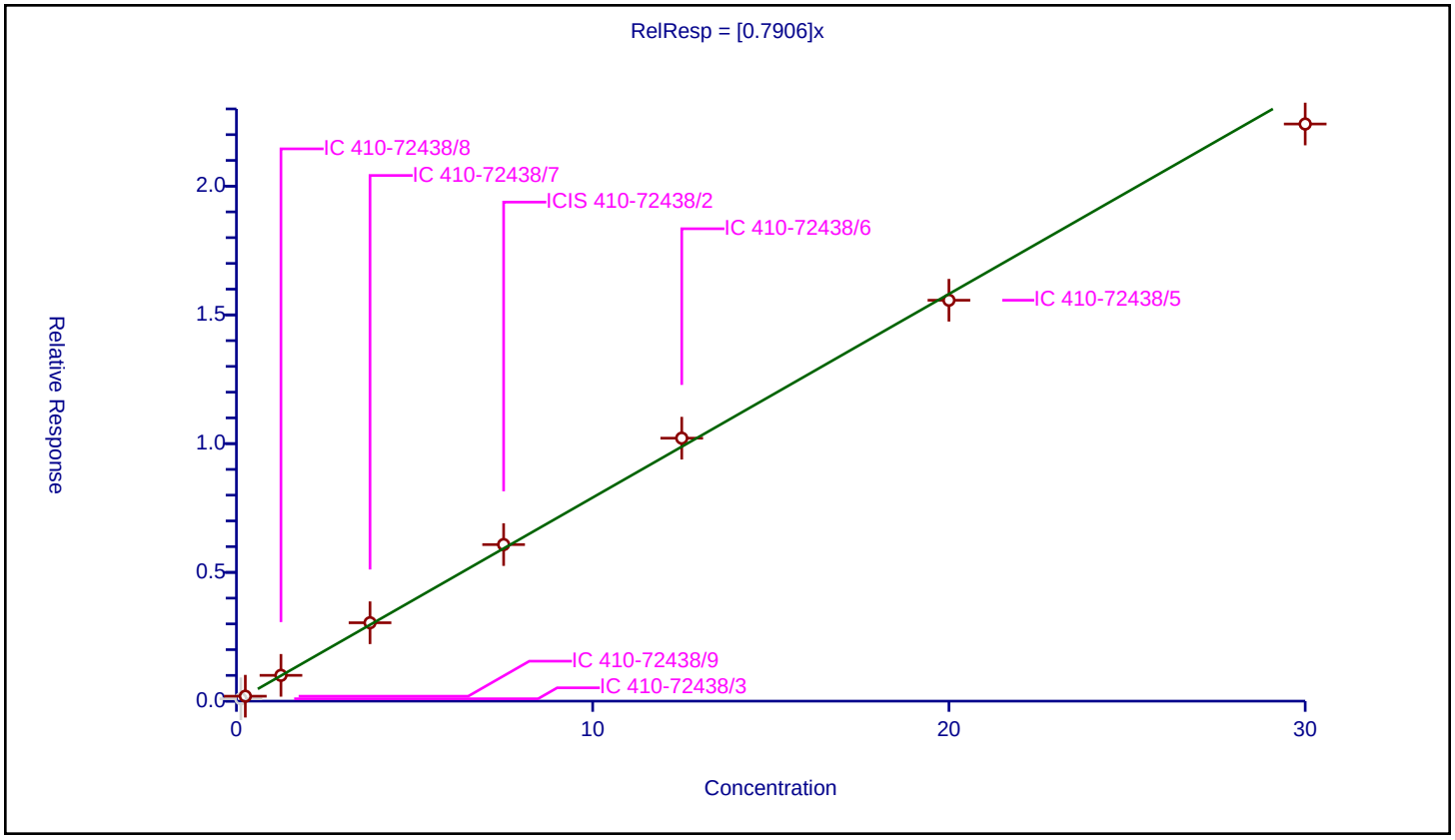
Curve Coefficients

Intercept:	0
Slope:	0.7906

Error Coefficients

Standard Error:	405000
Relative Standard Error:	3.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.092189	5.0	162492.0	0.737513	N
2	IC 410-72438/9	0.25	0.191713	5.0	168272.0	0.766854	Y
3	IC 410-72438/8	1.25	1.002195	5.0	160373.0	0.801756	Y
4	IC 410-72438/7	3.75	3.044816	5.0	159361.0	0.811951	Y
5	ICIS 410-72438/2	7.5	6.080468	5.0	162823.0	0.810729	Y
6	IC 410-72438/6	12.5	10.21293	5.0	188724.0	0.817034	Y
7	IC 410-72438/5	20.0	15.569203	5.0	159741.0	0.77846	Y
8	IC 410-72438/4	30.0	22.413456	5.0	164020.0	0.747115	Y



Calibration / Benzaldehyde

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

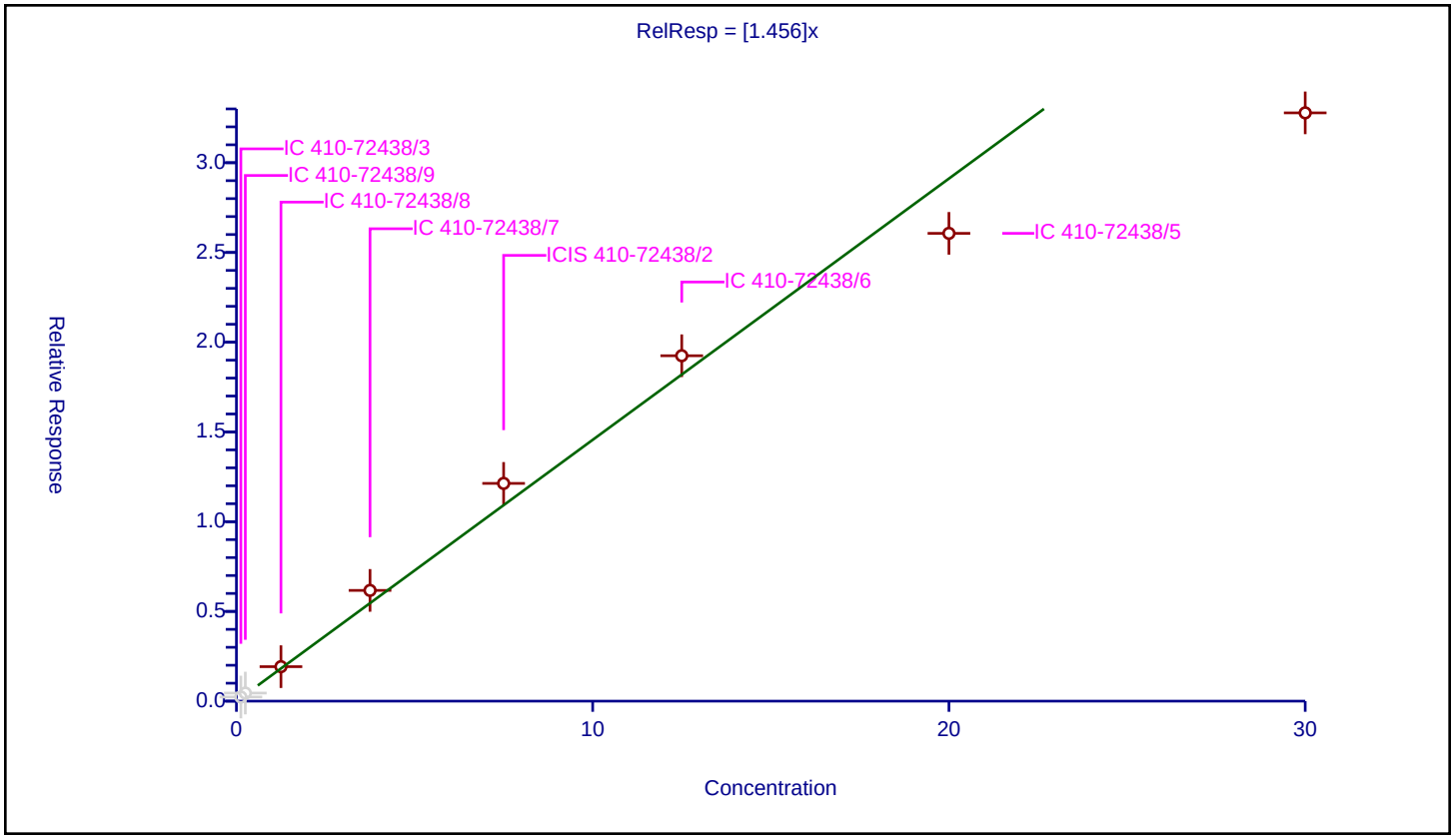
Curve Coefficients

Intercept:	0
Slope:	1.456

Error Coefficients

Standard Error:	718000
Relative Standard Error:	14.8
Correlation Coefficient:	0.935
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.229765	5.0	162492.0	1.838121	N
2	IC 410-72438/9	0.25	0.449807	5.0	168272.0	1.79923	N
3	IC 410-72438/8	1.25	1.920772	5.0	160373.0	1.536618	Y
4	IC 410-72438/7	3.75	6.169766	5.0	159361.0	1.645271	Y
5	ICIS 410-72438/2	7.5	12.132285	5.0	162823.0	1.617638	Y
6	IC 410-72438/6	12.5	19.24583	5.0	188724.0	1.539666	Y
7	IC 410-72438/5	20.0	26.064786	5.0	159741.0	1.303239	Y
8	IC 410-72438/4	30.0	32.778228	5.0	164020.0	1.092608	Y



Calibration / Phenol-d5

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

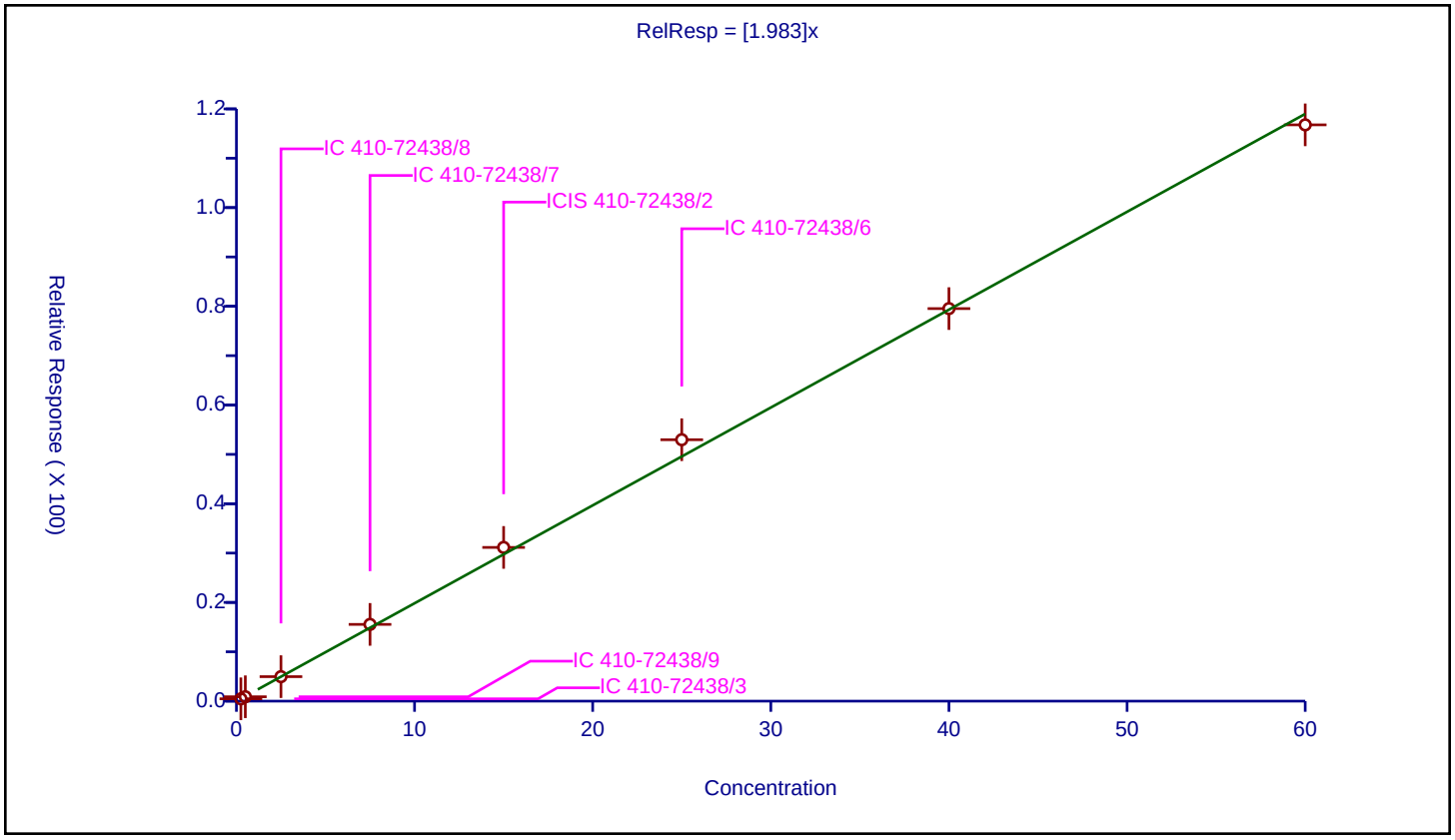
Curve Coefficients

Intercept:	0
Slope:	1.983

Error Coefficients

Standard Error:	1940000
Relative Standard Error:	5.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.25	0.474239	5.0	162492.0	1.896955	Y
2	IC 410-72438/9	0.5	0.889839	5.0	168272.0	1.779678	Y
3	IC 410-72438/8	2.5	4.960717	5.0	160373.0	1.984287	Y
4	IC 410-72438/7	7.5	15.550386	5.0	159361.0	2.073385	Y
5	ICIS 410-72438/2	15.0	31.145323	5.0	162823.0	2.076355	Y
6	IC 410-72438/6	25.0	52.967773	5.0	188724.0	2.118711	Y
7	IC 410-72438/5	40.0	79.538691	5.0	159741.0	1.988467	Y
8	IC 410-72438/4	60.0	116.765974	5.0	164020.0	1.9461	Y



Calibration / Phenol

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

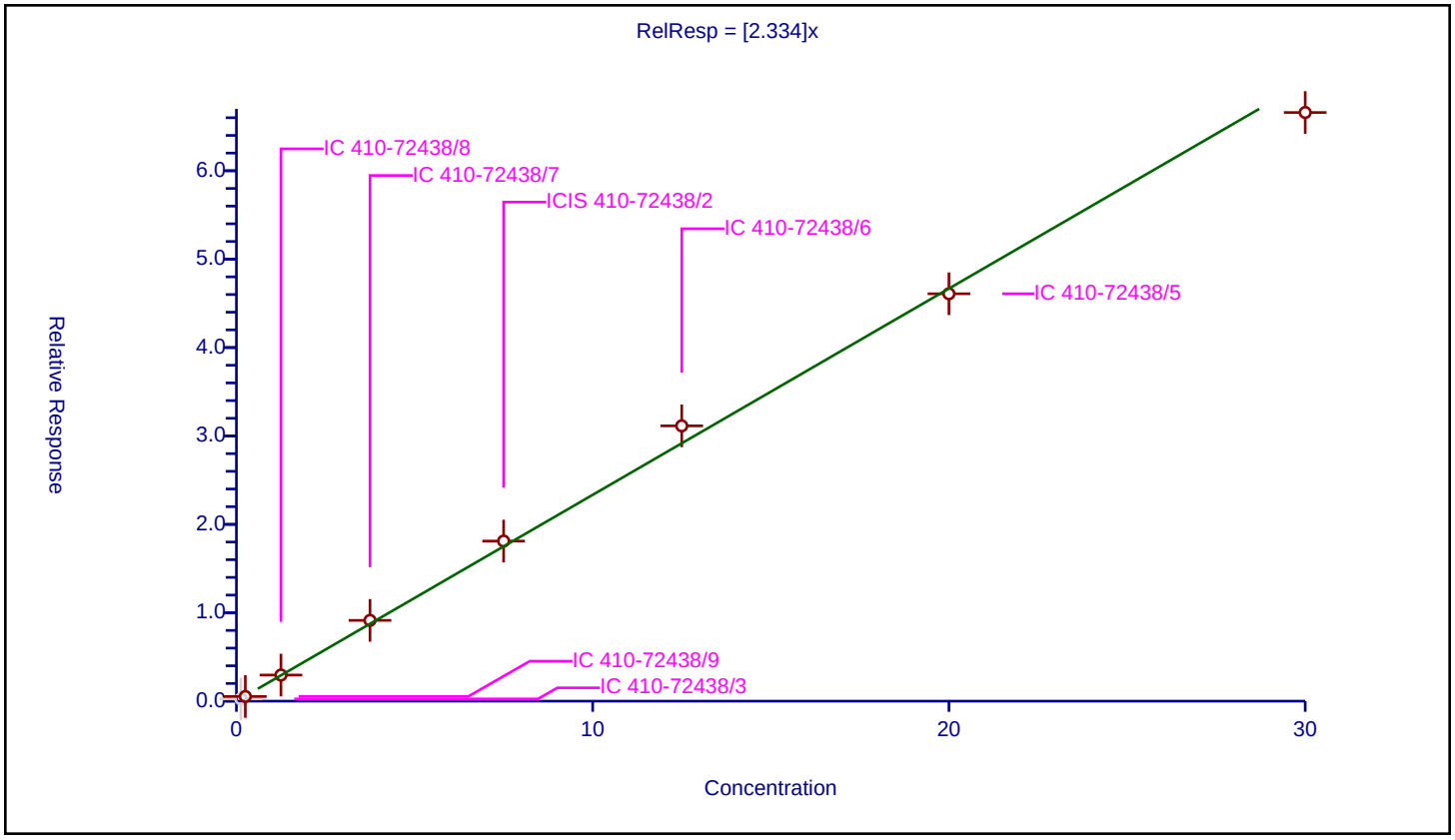
Curve Coefficients

Intercept:	0
Slope:	2.334

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	5.8
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.256043	5.0	162492.0	2.048347	N
2	IC 410-72438/9	0.25	0.526528	5.0	168272.0	2.106114	Y
3	IC 410-72438/8	1.25	2.954082	5.0	160373.0	2.363266	Y
4	IC 410-72438/7	3.75	9.136834	5.0	159361.0	2.436489	Y
5	ICIS 410-72438/2	7.5	18.111016	5.0	162823.0	2.414802	Y
6	IC 410-72438/6	12.5	31.141376	5.0	188724.0	2.49131	Y
7	IC 410-72438/5	20.0	46.085945	5.0	159741.0	2.304297	Y
8	IC 410-72438/4	30.0	66.589867	5.0	164020.0	2.219662	Y



Calibration / Aniline

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

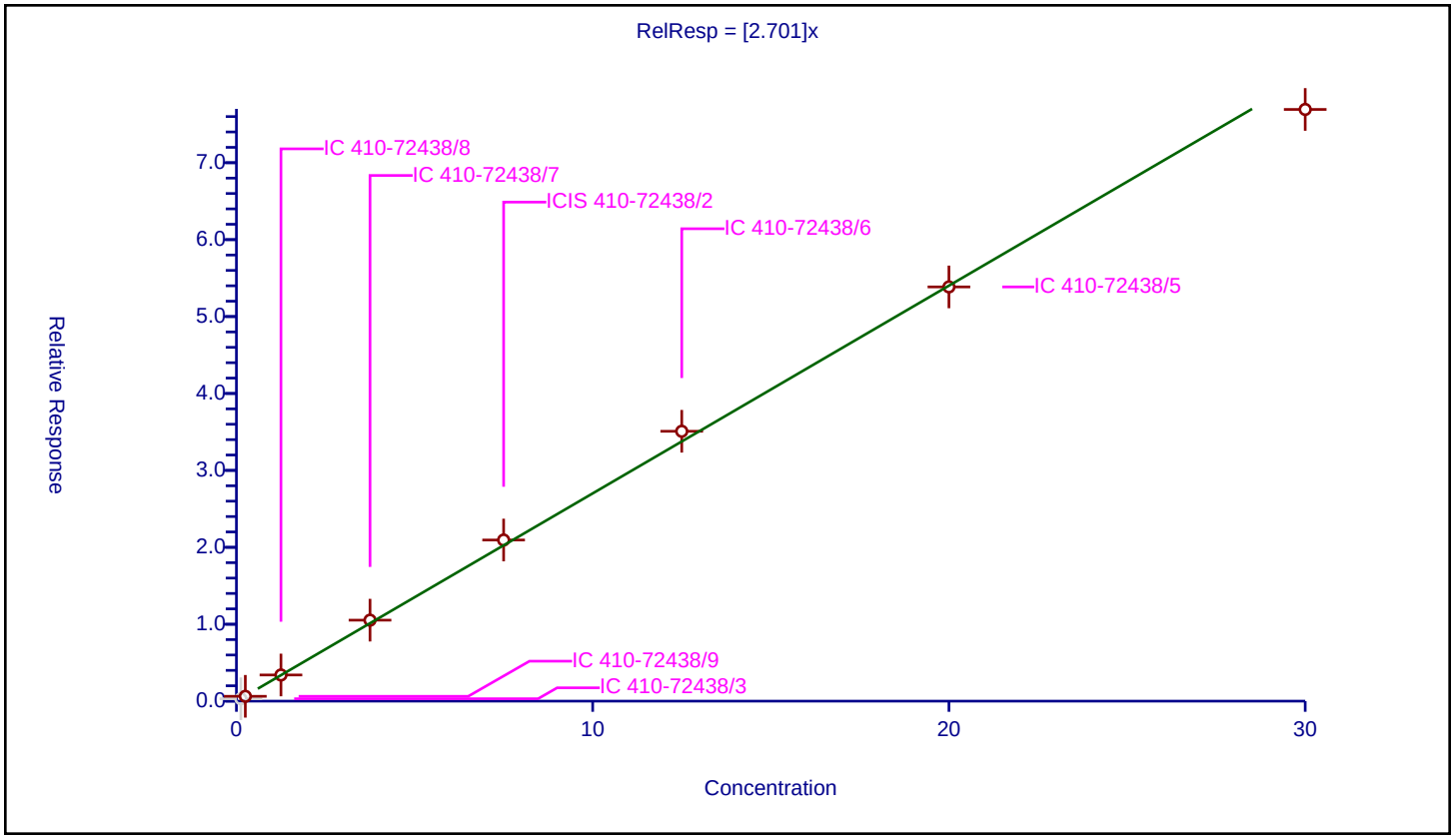
Curve Coefficients

Intercept:	0
Slope:	2.701

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	4.3
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.312385	5.0	162492.0	2.499077	N
2	IC 410-72438/9	0.25	0.630111	5.0	168272.0	2.520443	Y
3	IC 410-72438/8	1.25	3.401477	5.0	160373.0	2.721181	Y
4	IC 410-72438/7	3.75	10.52745	5.0	159361.0	2.80732	Y
5	ICIS 410-72438/2	7.5	20.948146	5.0	162823.0	2.793086	Y
6	IC 410-72438/6	12.5	35.086184	5.0	188724.0	2.806895	Y
7	IC 410-72438/5	20.0	53.853112	5.0	159741.0	2.692656	Y
8	IC 410-72438/4	30.0	76.92821	5.0	164020.0	2.564274	Y



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

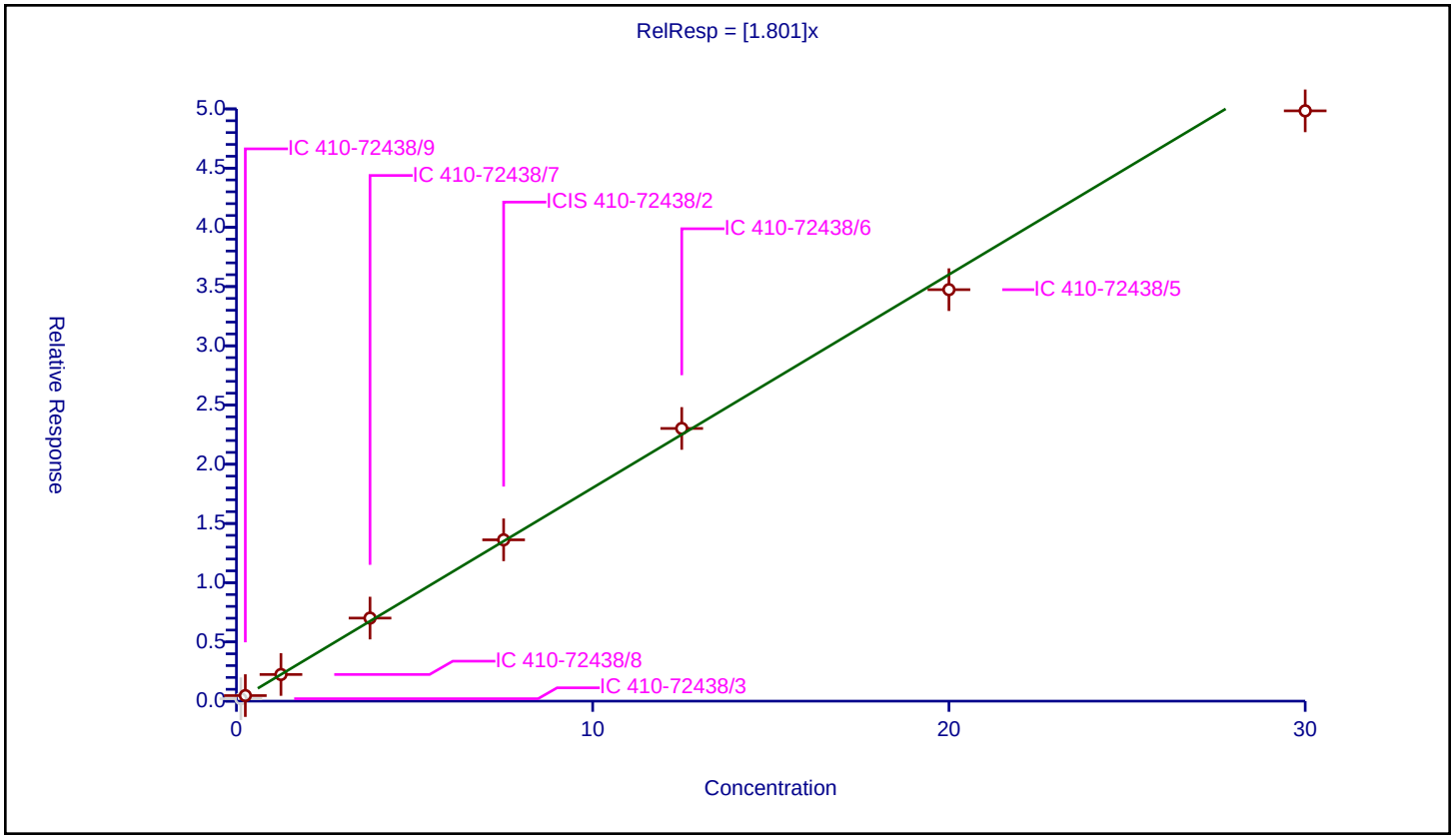
Curve Coefficients

Intercept:	0
Slope:	1.801

Error Coefficients

Standard Error:	905000
Relative Standard Error:	4.3
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.205149	5.0	162492.0	1.641188	N
2	IC 410-72438/9	0.25	0.469627	5.0	168272.0	1.878506	Y
3	IC 410-72438/8	1.25	2.250504	5.0	160373.0	1.800403	Y
4	IC 410-72438/7	3.75	7.013165	5.0	159361.0	1.870177	Y
5	ICIS 410-72438/2	7.5	13.617272	5.0	162823.0	1.815636	Y
6	IC 410-72438/6	12.5	23.022032	5.0	188724.0	1.841763	Y
7	IC 410-72438/5	20.0	34.739923	5.0	159741.0	1.736996	Y
8	IC 410-72438/4	30.0	49.83563	5.0	164020.0	1.661188	Y



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

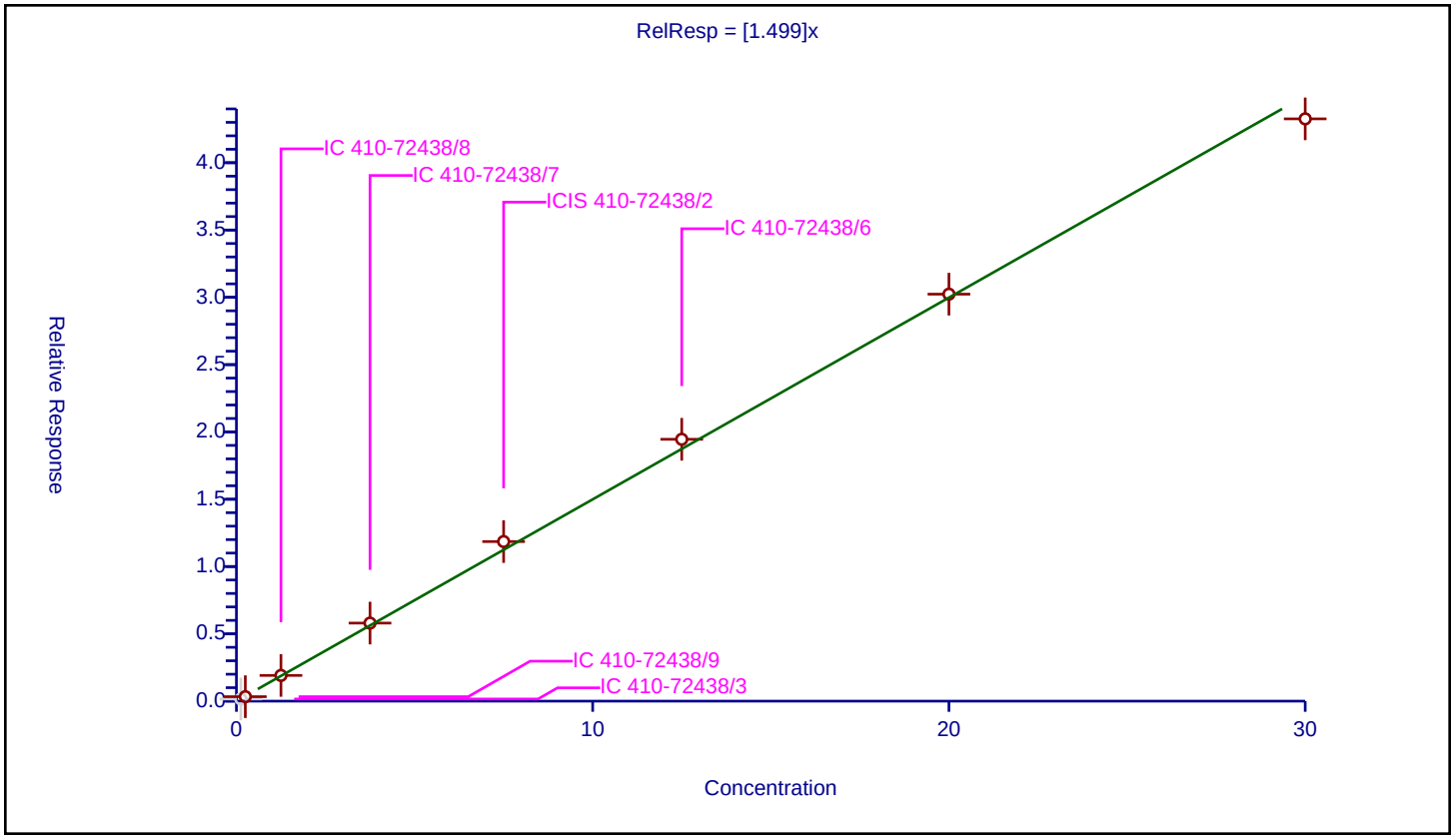
Curve Coefficients

Intercept:	0
Slope:	1.499

Error Coefficients

Standard Error:	782000
Relative Standard Error:	5.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.159639	5.0	162492.0	1.277109	N
2	IC 410-72438/9	0.25	0.332111	5.0	168272.0	1.328444	Y
3	IC 410-72438/8	1.25	1.909829	5.0	160373.0	1.527863	Y
4	IC 410-72438/7	3.75	5.798878	5.0	159361.0	1.546367	Y
5	ICIS 410-72438/2	7.5	11.856095	5.0	162823.0	1.580813	Y
6	IC 410-72438/6	12.5	19.453461	5.0	188724.0	1.556277	Y
7	IC 410-72438/5	20.0	30.235005	5.0	159741.0	1.51175	Y
8	IC 410-72438/4	30.0	43.260487	5.0	164020.0	1.442016	Y



Calibration / 1,3-Dichlorobenzene

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

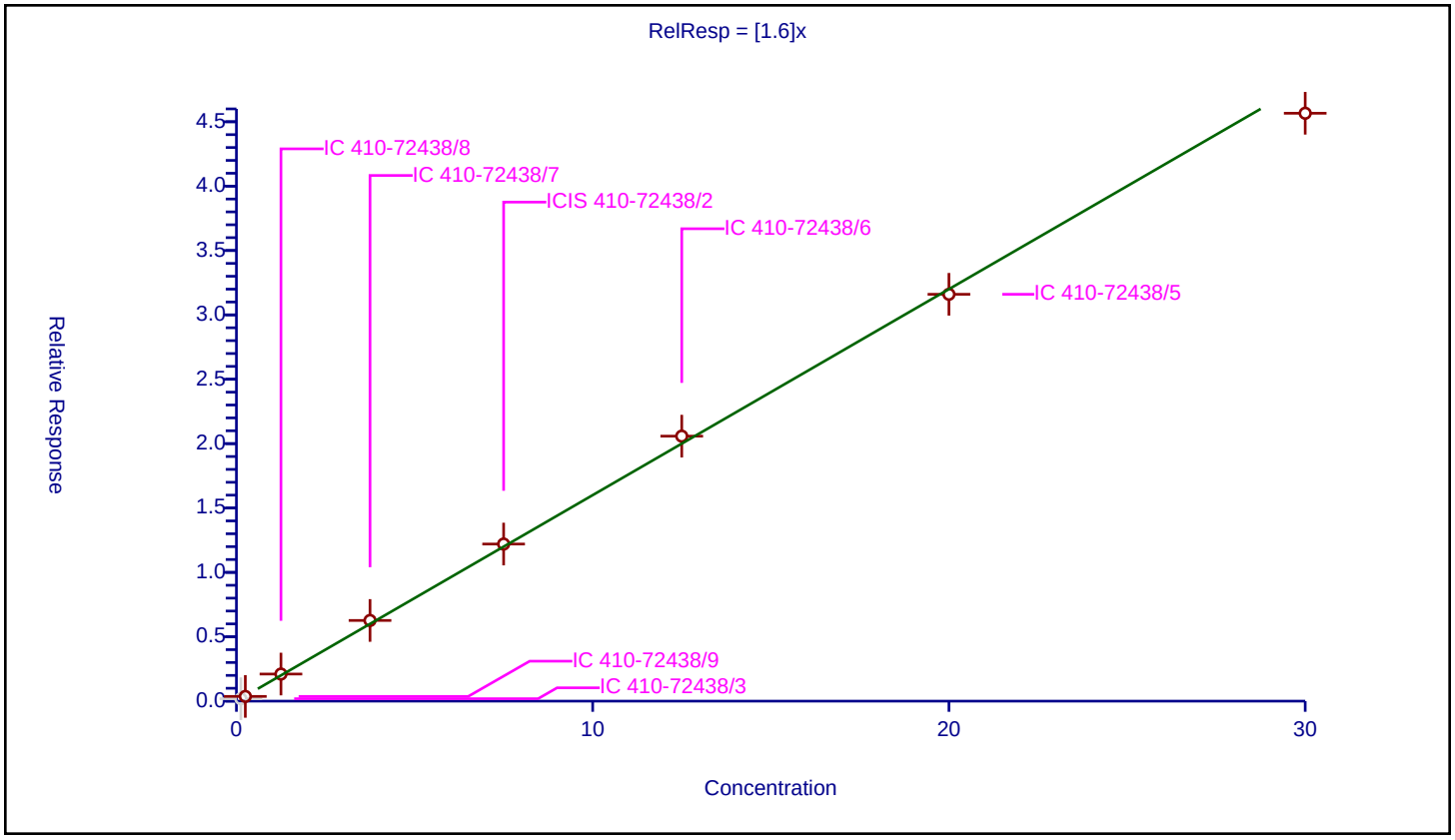
Curve Coefficients

Intercept:	0
Slope:	1.6

Error Coefficients

Standard Error:	823000
Relative Standard Error:	5.0
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.189055	5.0	162492.0	1.512444	N
2	IC 410-72438/9	0.25	0.367411	5.0	168272.0	1.469644	Y
3	IC 410-72438/8	1.25	2.104968	5.0	160373.0	1.683974	Y
4	IC 410-72438/7	3.75	6.266213	5.0	159361.0	1.67099	Y
5	ICIS 410-72438/2	7.5	12.201931	5.0	162823.0	1.626924	Y
6	IC 410-72438/6	12.5	20.58159	5.0	188724.0	1.646527	Y
7	IC 410-72438/5	20.0	31.599902	5.0	159741.0	1.579995	Y
8	IC 410-72438/4	30.0	45.66056	5.0	164020.0	1.522019	Y



Calibration / 1,4-Dichlorobenzene

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

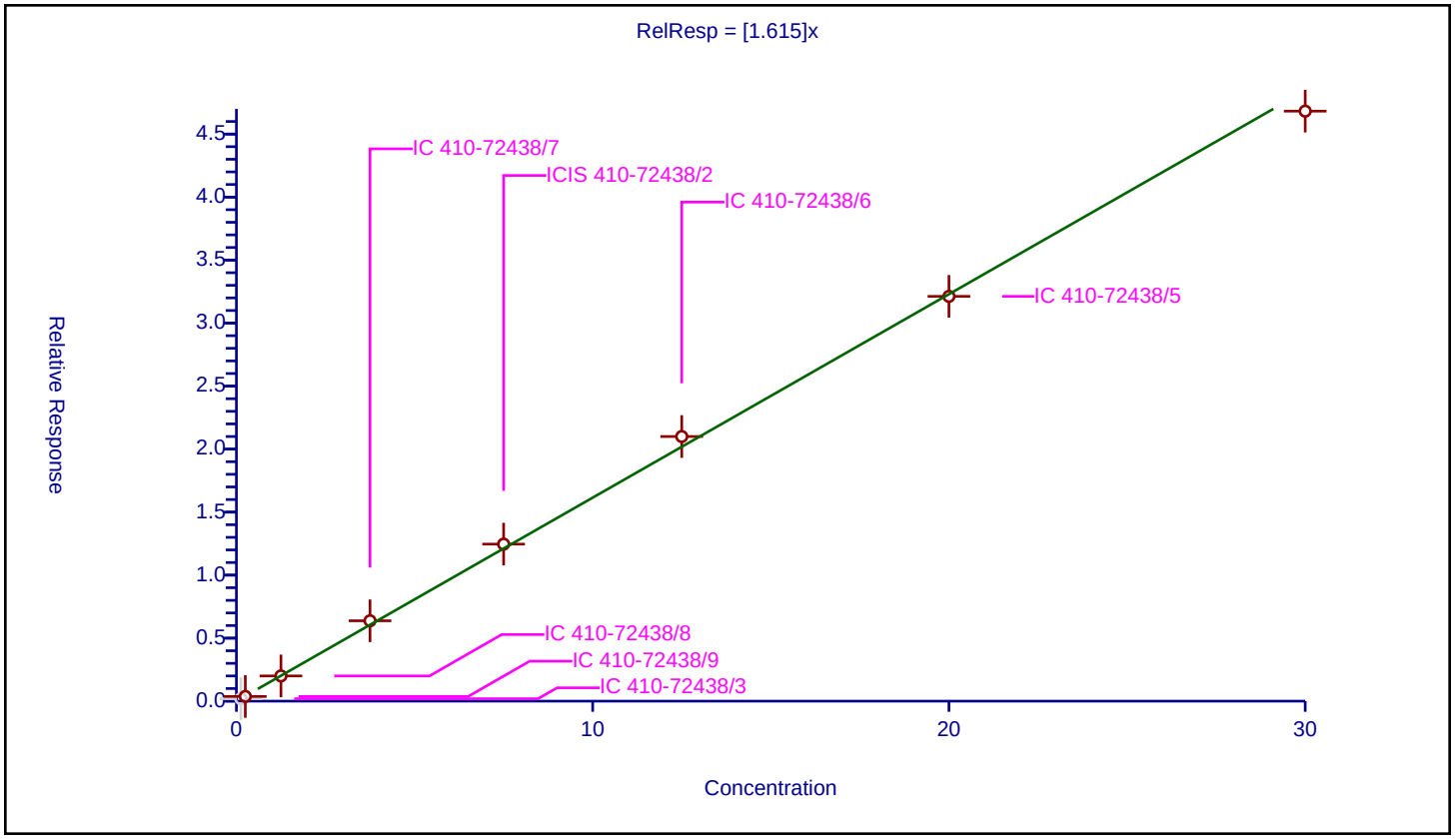
Curve Coefficients

Intercept:	0
Slope:	1.615

Error Coefficients

Standard Error:	842000
Relative Standard Error:	4.5
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.193056	5.0	162492.0	1.544445	N
2	IC 410-72438/9	0.25	0.373413	5.0	168272.0	1.493653	Y
3	IC 410-72438/8	1.25	2.001085	5.0	160373.0	1.600868	Y
4	IC 410-72438/7	3.75	6.377125	5.0	159361.0	1.700567	Y
5	ICIS 410-72438/2	7.5	12.460432	5.0	162823.0	1.661391	Y
6	IC 410-72438/6	12.5	21.000509	5.0	188724.0	1.680041	Y
7	IC 410-72438/5	20.0	32.122342	5.0	159741.0	1.606117	Y
8	IC 410-72438/4	30.0	46.820174	5.0	164020.0	1.560672	Y



Calibration / Benzyl alcohol

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

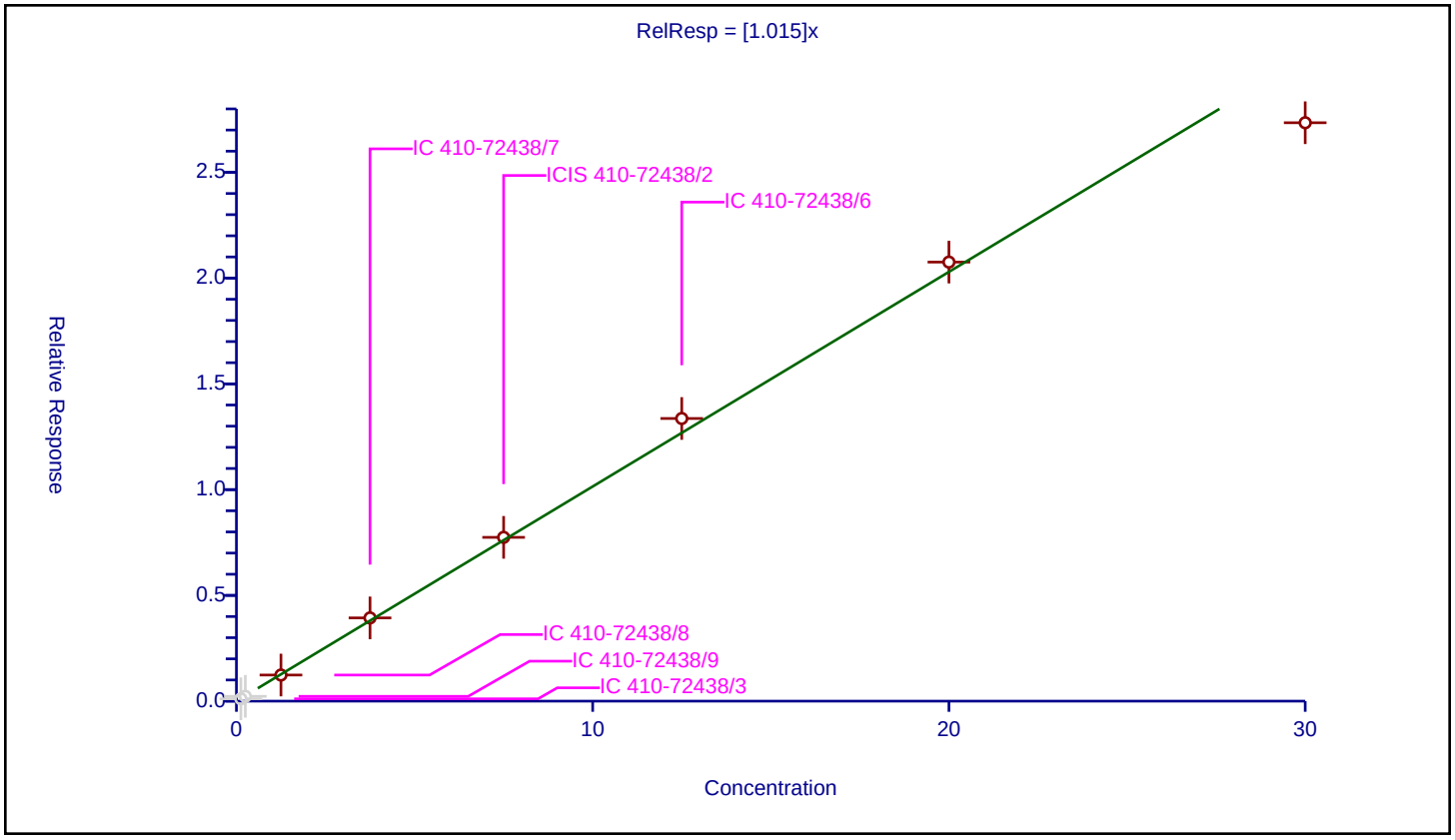
Curve Coefficients

Intercept:	0
Slope:	1.015

Error Coefficients

Standard Error:	562000
Relative Standard Error:	5.6
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.110436	5.0	162492.0	0.88349	N
2	IC 410-72438/9	0.25	0.227251	5.0	168272.0	0.909004	N
3	IC 410-72438/8	1.25	1.235183	5.0	160373.0	0.988146	Y
4	IC 410-72438/7	3.75	3.935216	5.0	159361.0	1.049391	Y
5	ICIS 410-72438/2	7.5	7.743501	5.0	162823.0	1.032467	Y
6	IC 410-72438/6	12.5	13.363642	5.0	188724.0	1.069091	Y
7	IC 410-72438/5	20.0	20.757664	5.0	159741.0	1.037883	Y
8	IC 410-72438/4	30.0	27.344745	5.0	164020.0	0.911491	Y



Calibration / 1,2-Dichlorobenzene

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

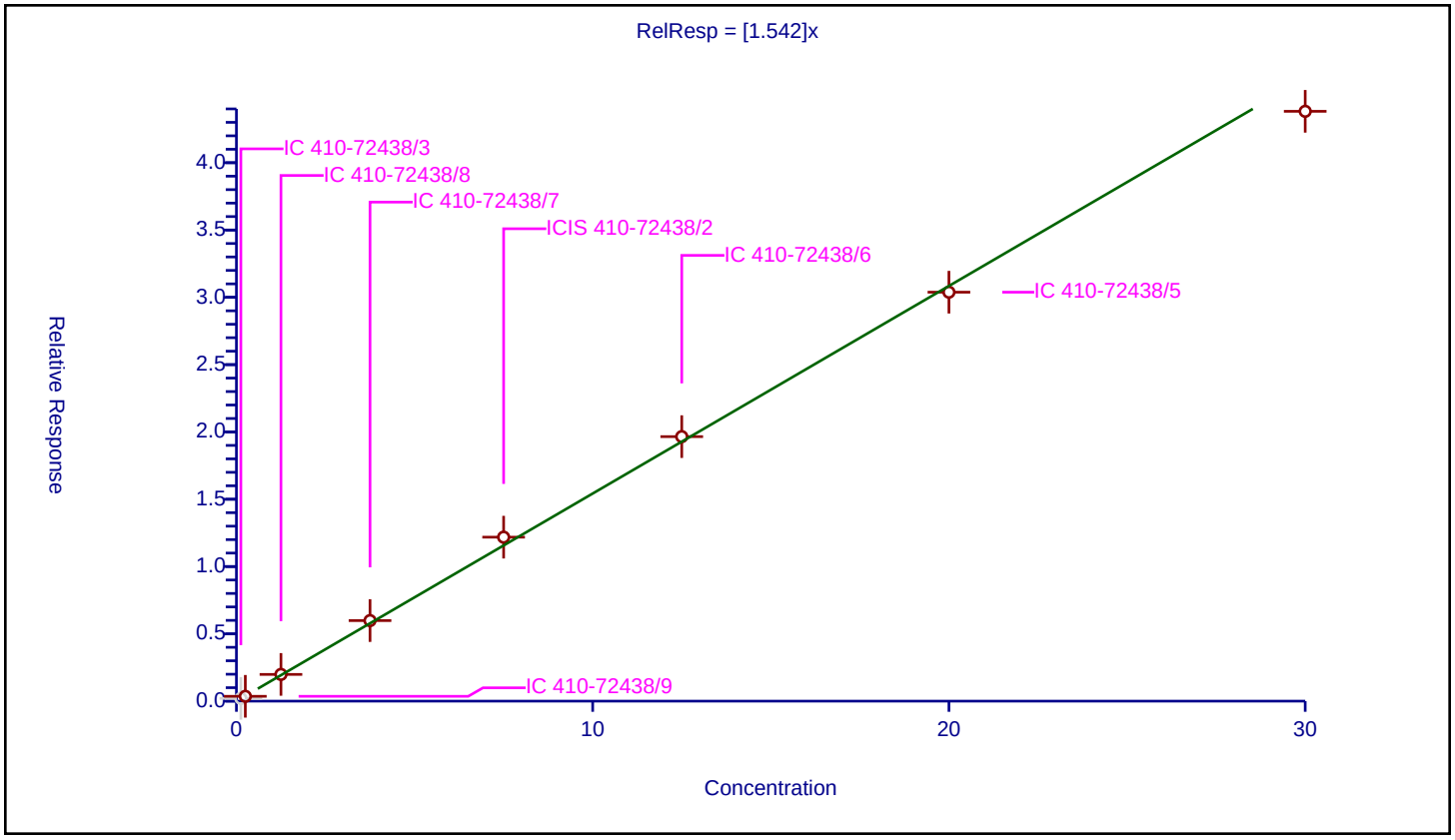
Curve Coefficients

Intercept:	0
Slope:	1.542

Error Coefficients

Standard Error:	791000
Relative Standard Error:	4.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.204749	5.0	162492.0	1.637988	N
2	IC 410-72438/9	0.25	0.358854	5.0	168272.0	1.435414	Y
3	IC 410-72438/8	1.25	1.984997	5.0	160373.0	1.587998	Y
4	IC 410-72438/7	3.75	5.98553	5.0	159361.0	1.596141	Y
5	ICIS 410-72438/2	7.5	12.18283	5.0	162823.0	1.624377	Y
6	IC 410-72438/6	12.5	19.651581	5.0	188724.0	1.572126	Y
7	IC 410-72438/5	20.0	30.383371	5.0	159741.0	1.519169	Y
8	IC 410-72438/4	30.0	43.819382	5.0	164020.0	1.460646	Y



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

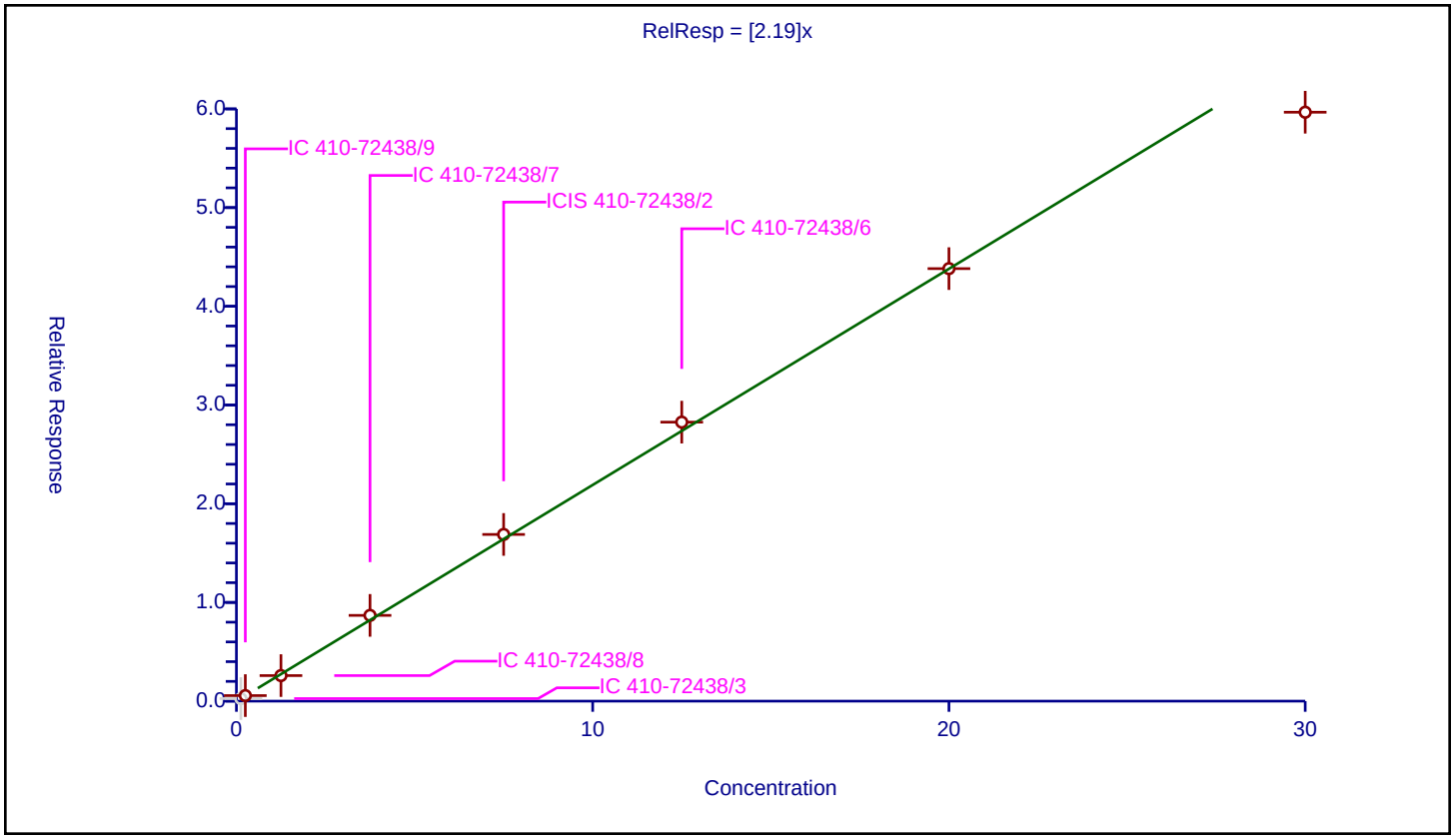
Curve Coefficients

Intercept:	0
Slope:	2.19

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	5.4
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.260136	5.0	162492.0	2.081087	N
2	IC 410-72438/9	0.25	0.562482	5.0	168272.0	2.249929	Y
3	IC 410-72438/8	1.25	2.587749	5.0	160373.0	2.070199	Y
4	IC 410-72438/7	3.75	8.688261	5.0	159361.0	2.31687	Y
5	ICIS 410-72438/2	7.5	16.887479	5.0	162823.0	2.251664	Y
6	IC 410-72438/6	12.5	28.266755	5.0	188724.0	2.26134	Y
7	IC 410-72438/5	20.0	43.818869	5.0	159741.0	2.190943	Y
8	IC 410-72438/4	30.0	59.66245	5.0	164020.0	1.988748	Y



Calibration / 2-Methylphenol

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

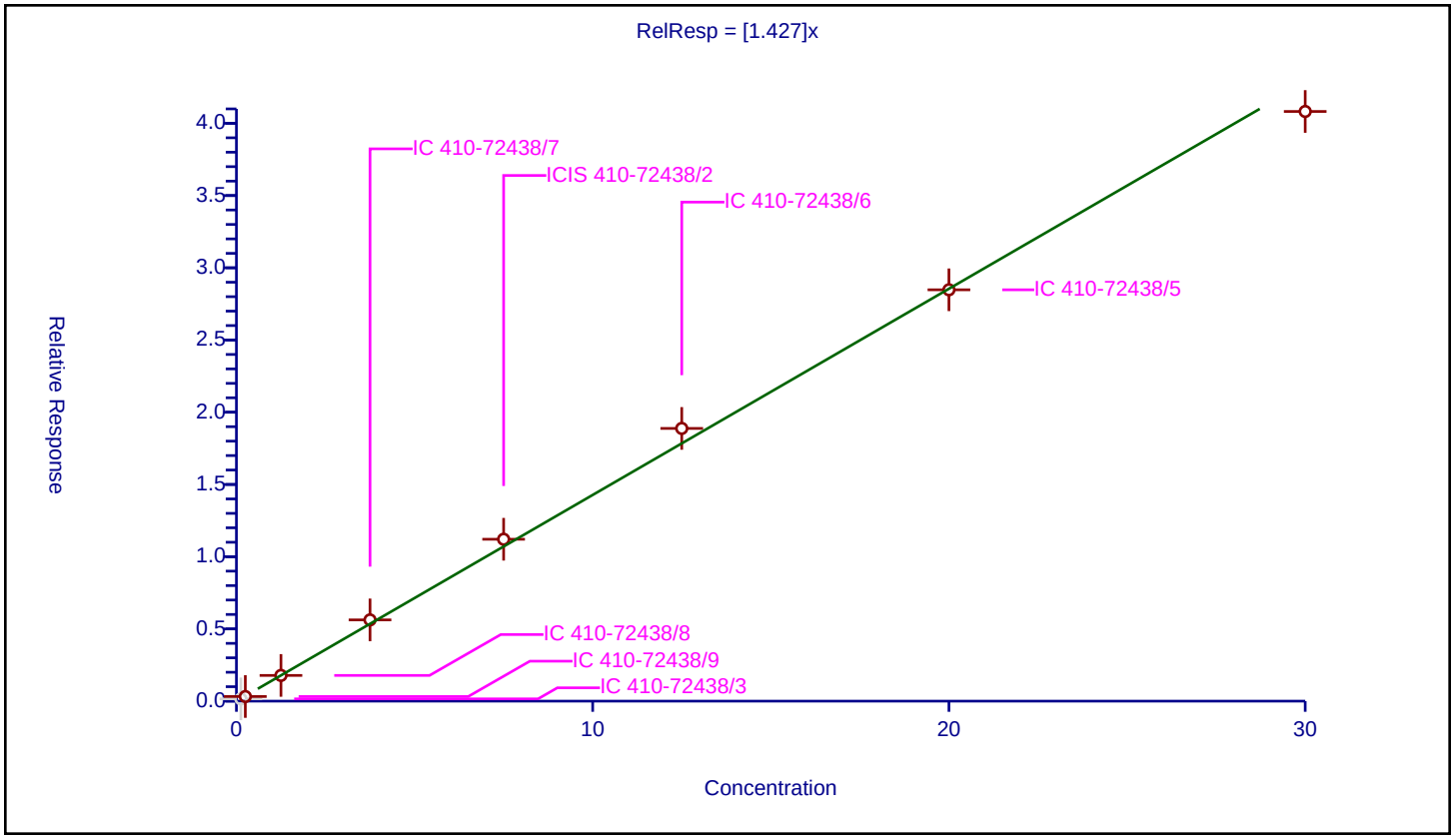
Curve Coefficients

Intercept:	0
Slope:	1.427

Error Coefficients

Standard Error:	741000
Relative Standard Error:	6.0
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.158131	5.0	162492.0	1.265047	N
2	IC 410-72438/9	0.25	0.319512	5.0	168272.0	1.27805	Y
3	IC 410-72438/8	1.25	1.78063	5.0	160373.0	1.424504	Y
4	IC 410-72438/7	3.75	5.624431	5.0	159361.0	1.499848	Y
5	ICIS 410-72438/2	7.5	11.208183	5.0	162823.0	1.494424	Y
6	IC 410-72438/6	12.5	18.879872	5.0	188724.0	1.51039	Y
7	IC 410-72438/5	20.0	28.476221	5.0	159741.0	1.423811	Y
8	IC 410-72438/4	30.0	40.821729	5.0	164020.0	1.360724	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

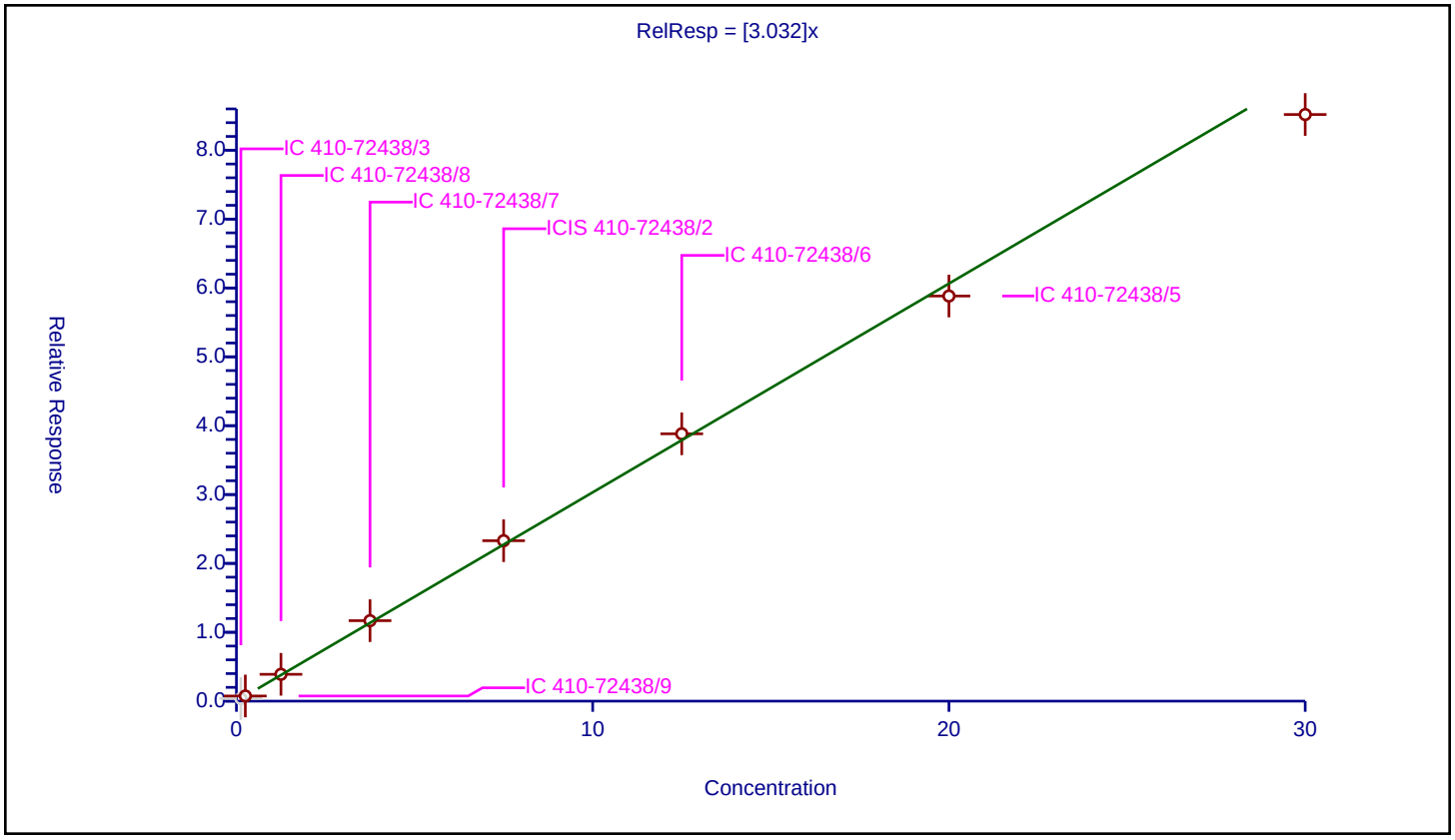
Curve Coefficients

Intercept:	0
Slope:	3.032

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	3.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.384634	5.0	162492.0	3.077075	N
2	IC 410-72438/9	0.25	0.748966	5.0	168272.0	2.995864	Y
3	IC 410-72438/8	1.25	3.897258	5.0	160373.0	3.117807	Y
4	IC 410-72438/7	3.75	11.683756	5.0	159361.0	3.115668	Y
5	ICIS 410-72438/2	7.5	23.294835	5.0	162823.0	3.105978	Y
6	IC 410-72438/6	12.5	38.821851	5.0	188724.0	3.105748	Y
7	IC 410-72438/5	20.0	58.827759	5.0	159741.0	2.941388	Y
8	IC 410-72438/4	30.0	85.183423	5.0	164020.0	2.839447	Y



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

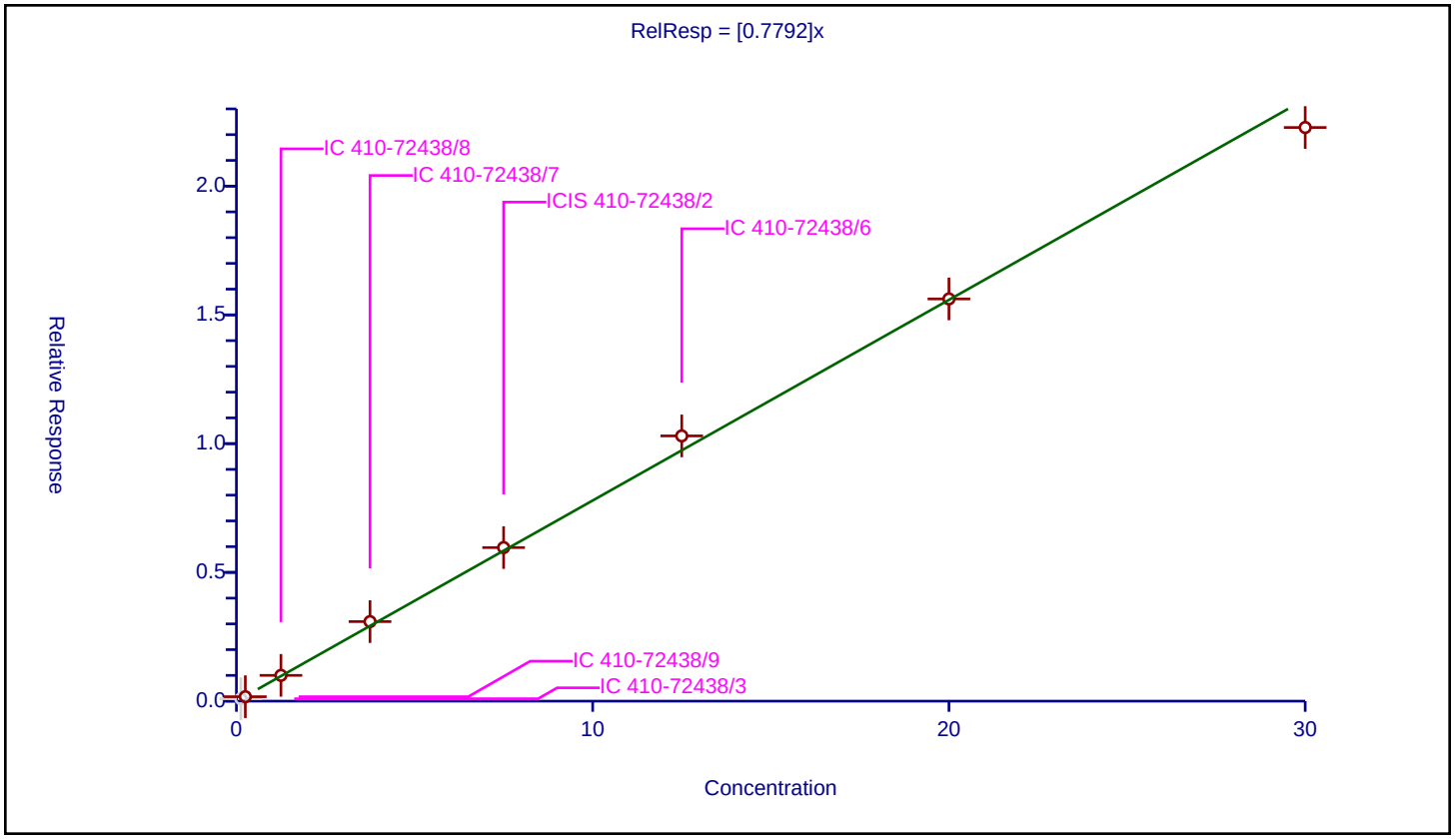
Curve Coefficients

Intercept:	0
Slope:	0.7792

Error Coefficients

Standard Error:	405000
Relative Standard Error:	6.3
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.093851	5.0	162492.0	0.750806	N
2	IC 410-72438/9	0.25	0.171805	5.0	168272.0	0.687221	Y
3	IC 410-72438/8	1.25	1.000605	5.0	160373.0	0.800484	Y
4	IC 410-72438/7	3.75	3.089275	5.0	159361.0	0.823807	Y
5	ICIS 410-72438/2	7.5	5.963193	5.0	162823.0	0.795092	Y
6	IC 410-72438/6	12.5	10.300598	5.0	188724.0	0.824048	Y
7	IC 410-72438/5	20.0	15.620191	5.0	159741.0	0.78101	Y
8	IC 410-72438/4	30.0	22.277497	5.0	164020.0	0.742583	Y



Calibration / Acetophenone

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

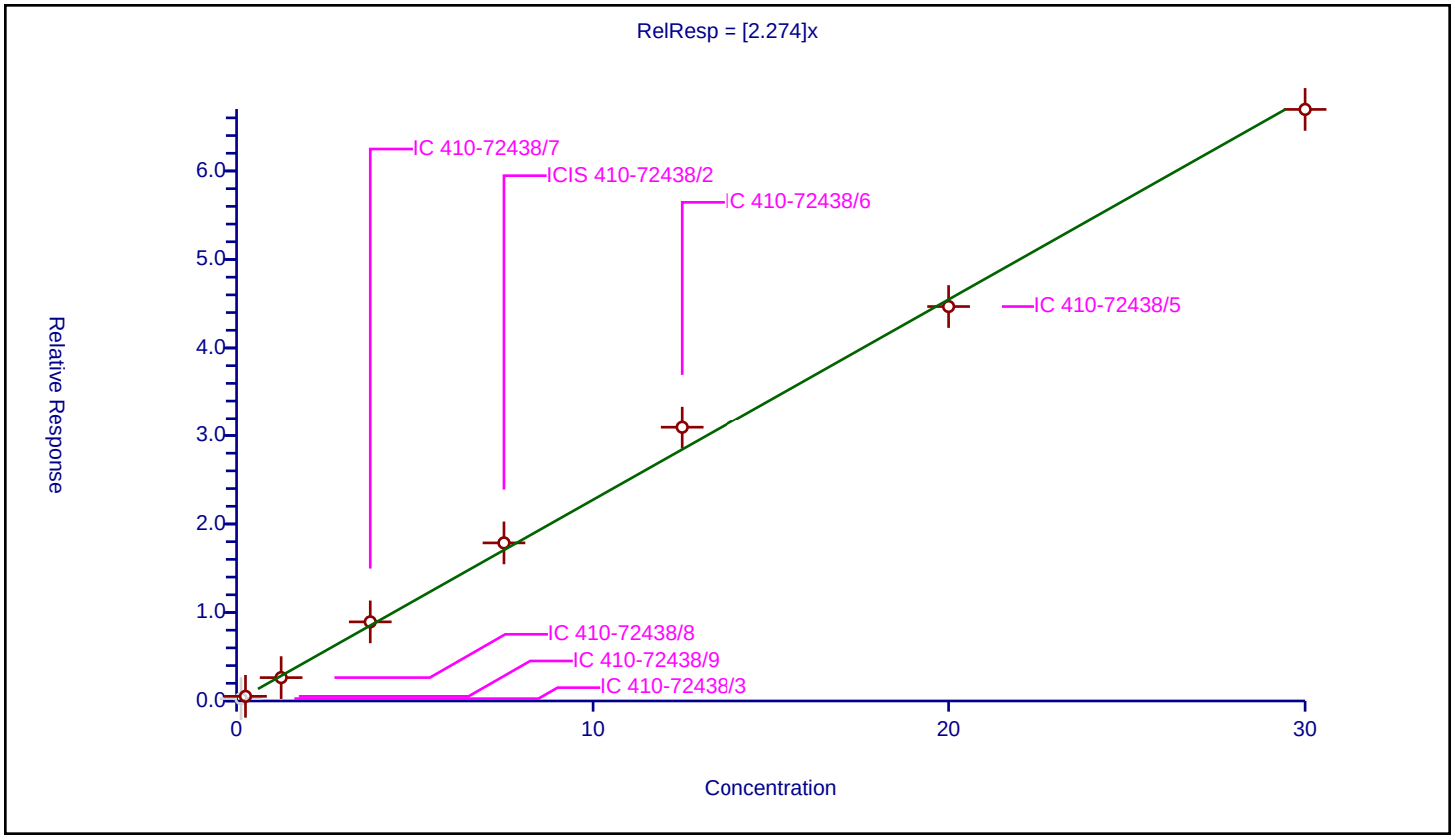
Curve Coefficients

Intercept:	0
Slope:	2.274

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	6.3
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.266228	5.0	162492.0	2.129828	N
2	IC 410-72438/9	0.25	0.524419	5.0	168272.0	2.097675	Y
3	IC 410-72438/8	1.25	2.641685	5.0	160373.0	2.113348	Y
4	IC 410-72438/7	3.75	8.938605	5.0	159361.0	2.383628	Y
5	ICIS 410-72438/2	7.5	17.862556	5.0	162823.0	2.381674	Y
6	IC 410-72438/6	12.5	30.935732	5.0	188724.0	2.474859	Y
7	IC 410-72438/5	20.0	44.681766	5.0	159741.0	2.234088	Y
8	IC 410-72438/4	30.0	66.953359	5.0	164020.0	2.231779	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

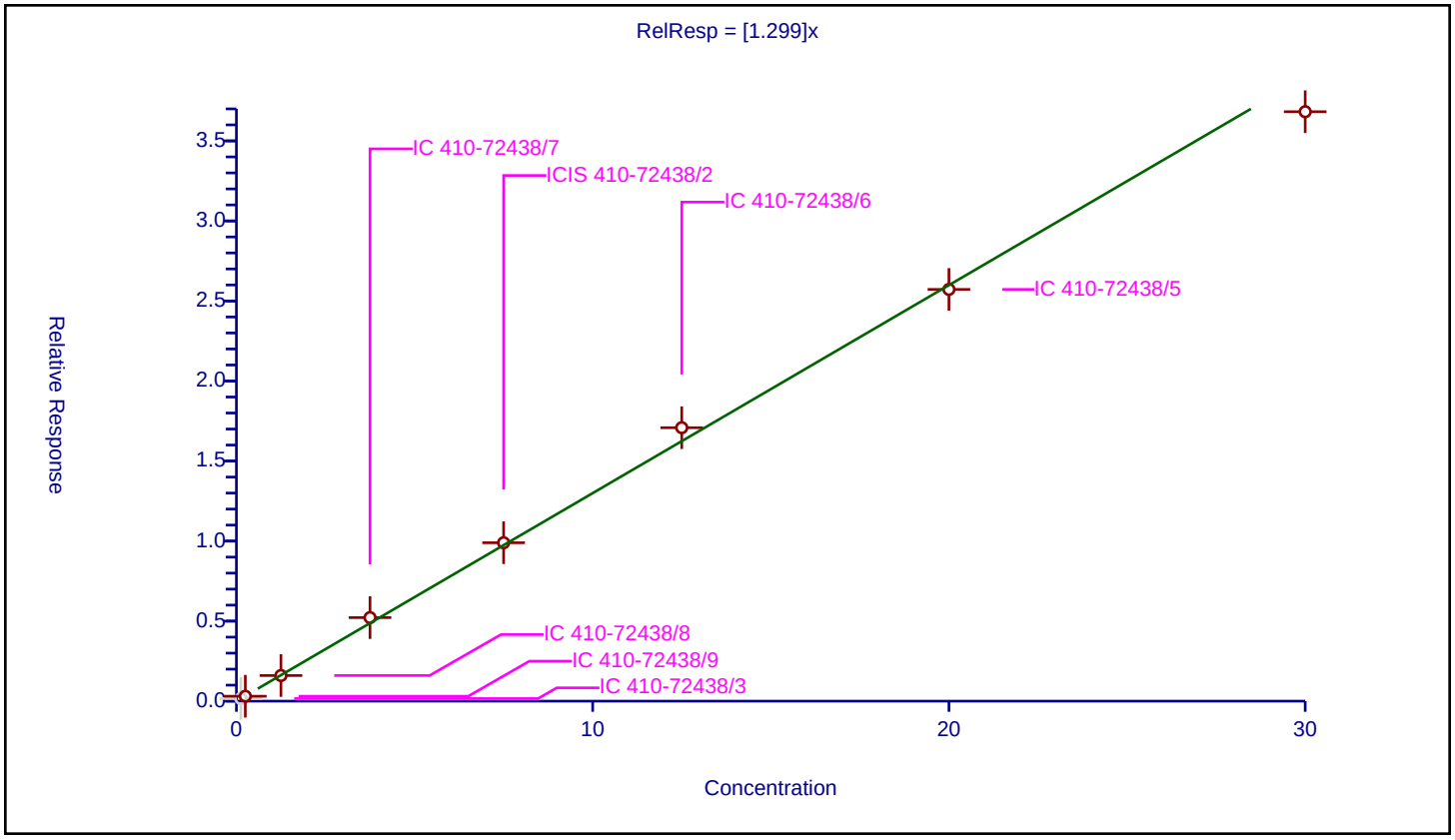
Curve Coefficients

Intercept:	0
Slope:	1.299

Error Coefficients

Standard Error:	669000
Relative Standard Error:	4.9
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.162039	5.0	162492.0	1.29631	N
2	IC 410-72438/9	0.25	0.30623	5.0	168272.0	1.224922	Y
3	IC 410-72438/8	1.25	1.599272	5.0	160373.0	1.279417	Y
4	IC 410-72438/7	3.75	5.219721	5.0	159361.0	1.391926	Y
5	ICIS 410-72438/2	7.5	9.896145	5.0	162823.0	1.319486	Y
6	IC 410-72438/6	12.5	17.082565	5.0	188724.0	1.366605	Y
7	IC 410-72438/5	20.0	25.722106	5.0	159741.0	1.286105	Y
8	IC 410-72438/4	30.0	36.823497	5.0	164020.0	1.22745	Y



Calibration / 4-Methylphenol

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

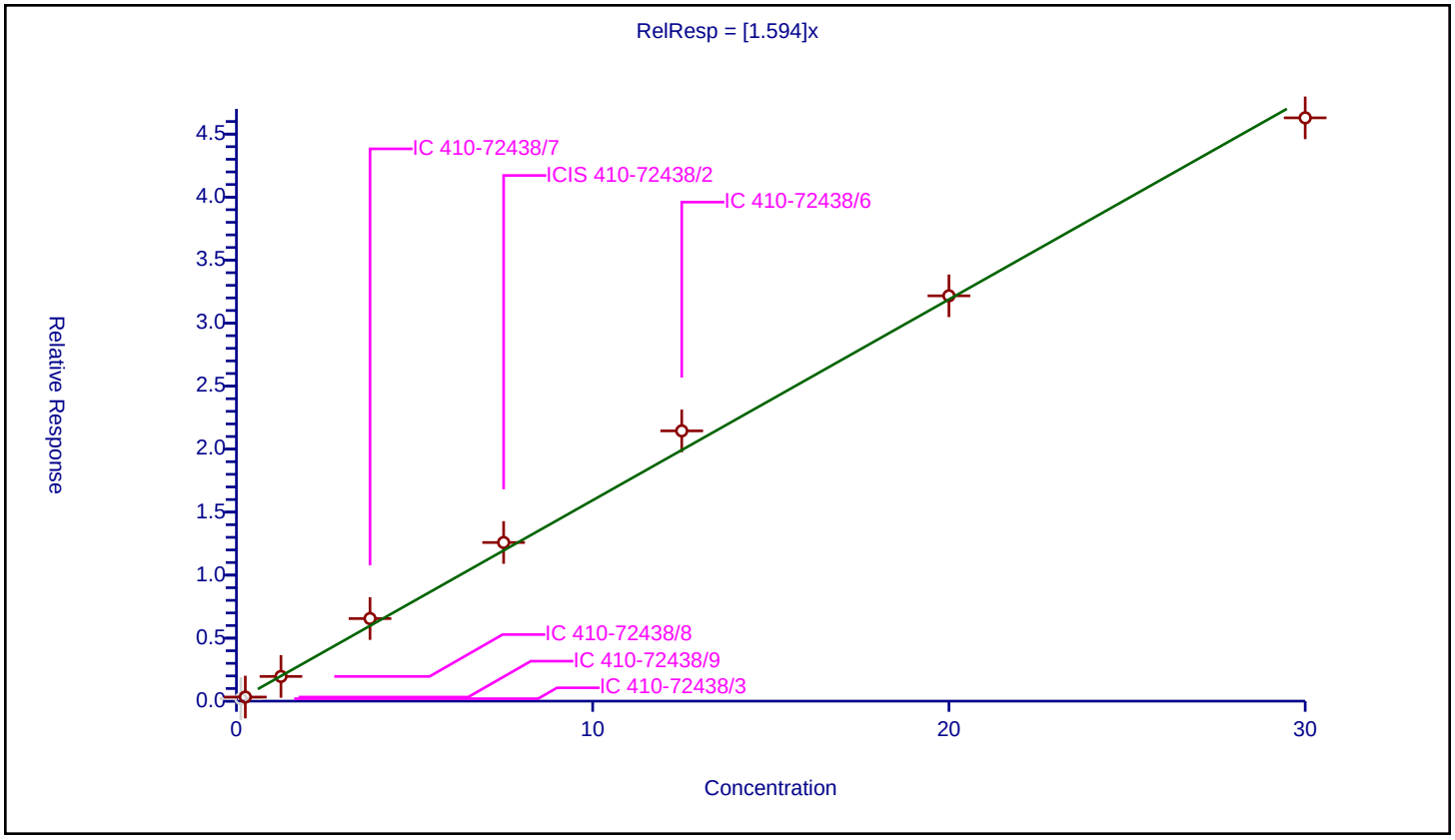
Curve Coefficients

Intercept:	0
Slope:	1.594

Error Coefficients

Standard Error:	840000
Relative Standard Error:	9.5
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.196287	5.0	162492.0	1.570293	N
2	IC 410-72438/9	0.25	0.324504	5.0	168272.0	1.298017	Y
3	IC 410-72438/8	1.25	1.959401	5.0	160373.0	1.567521	Y
4	IC 410-72438/7	3.75	6.552293	5.0	159361.0	1.747278	Y
5	ICIS 410-72438/2	7.5	12.589591	5.0	162823.0	1.678612	Y
6	IC 410-72438/6	12.5	21.44812	5.0	188724.0	1.71585	Y
7	IC 410-72438/5	20.0	32.166726	5.0	159741.0	1.608336	Y
8	IC 410-72438/4	30.0	46.289843	5.0	164020.0	1.542995	Y



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

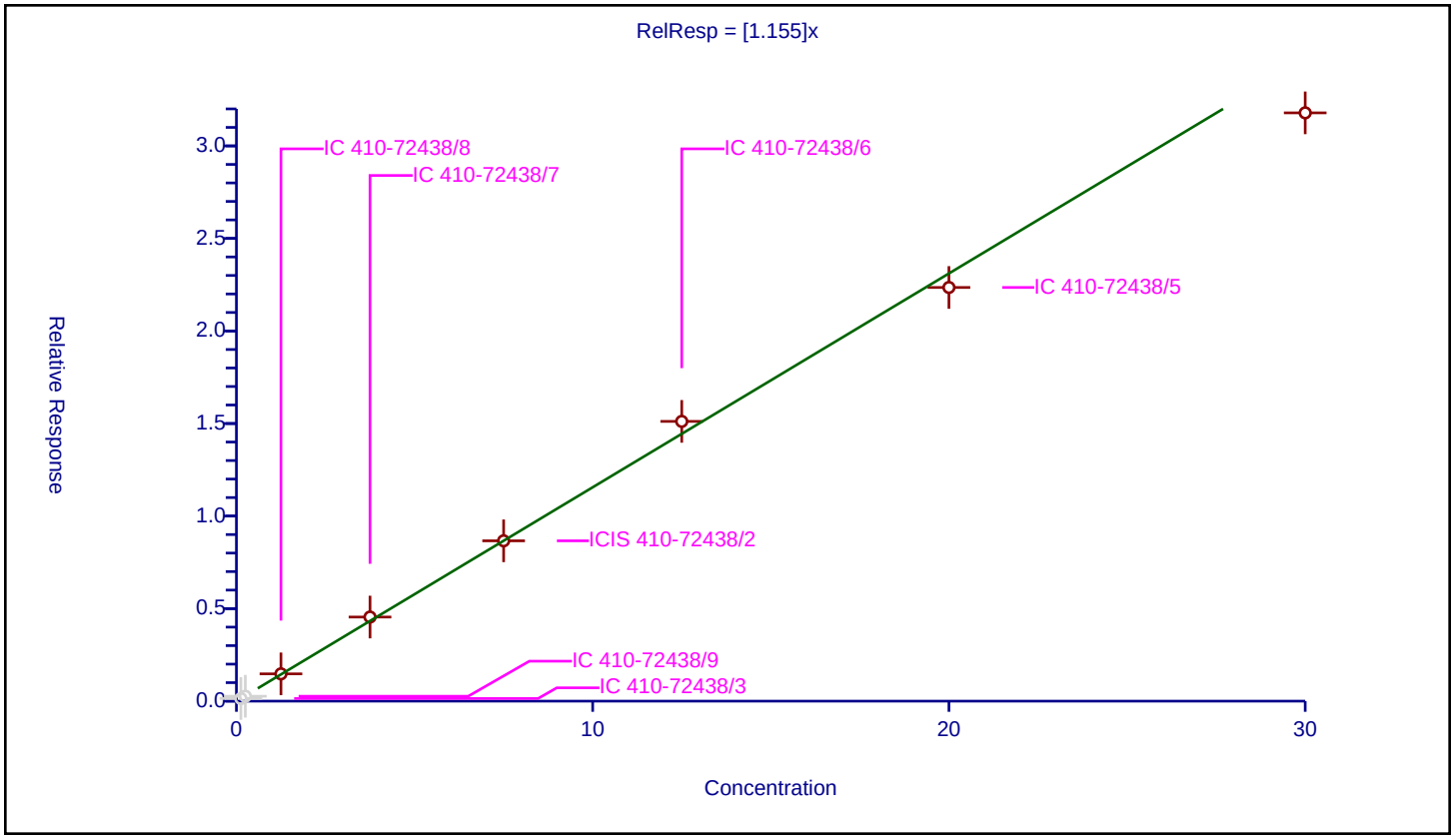
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Standard Error:	636000
Relative Standard Error:	5.1
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.141115	5.0	162492.0	1.128917	N
2	IC 410-72438/9	0.25	0.264839	5.0	168272.0	1.059356	N
3	IC 410-72438/8	1.25	1.474749	5.0	160373.0	1.1798	Y
4	IC 410-72438/7	3.75	4.543332	5.0	159361.0	1.211555	Y
5	ICIS 410-72438/2	7.5	8.662443	5.0	162823.0	1.154992	Y
6	IC 410-72438/6	12.5	15.114638	5.0	188724.0	1.209171	Y
7	IC 410-72438/5	20.0	22.351306	5.0	159741.0	1.117565	Y
8	IC 410-72438/4	30.0	31.786154	5.0	164020.0	1.059538	Y



Calibration / 2-Toluidine

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

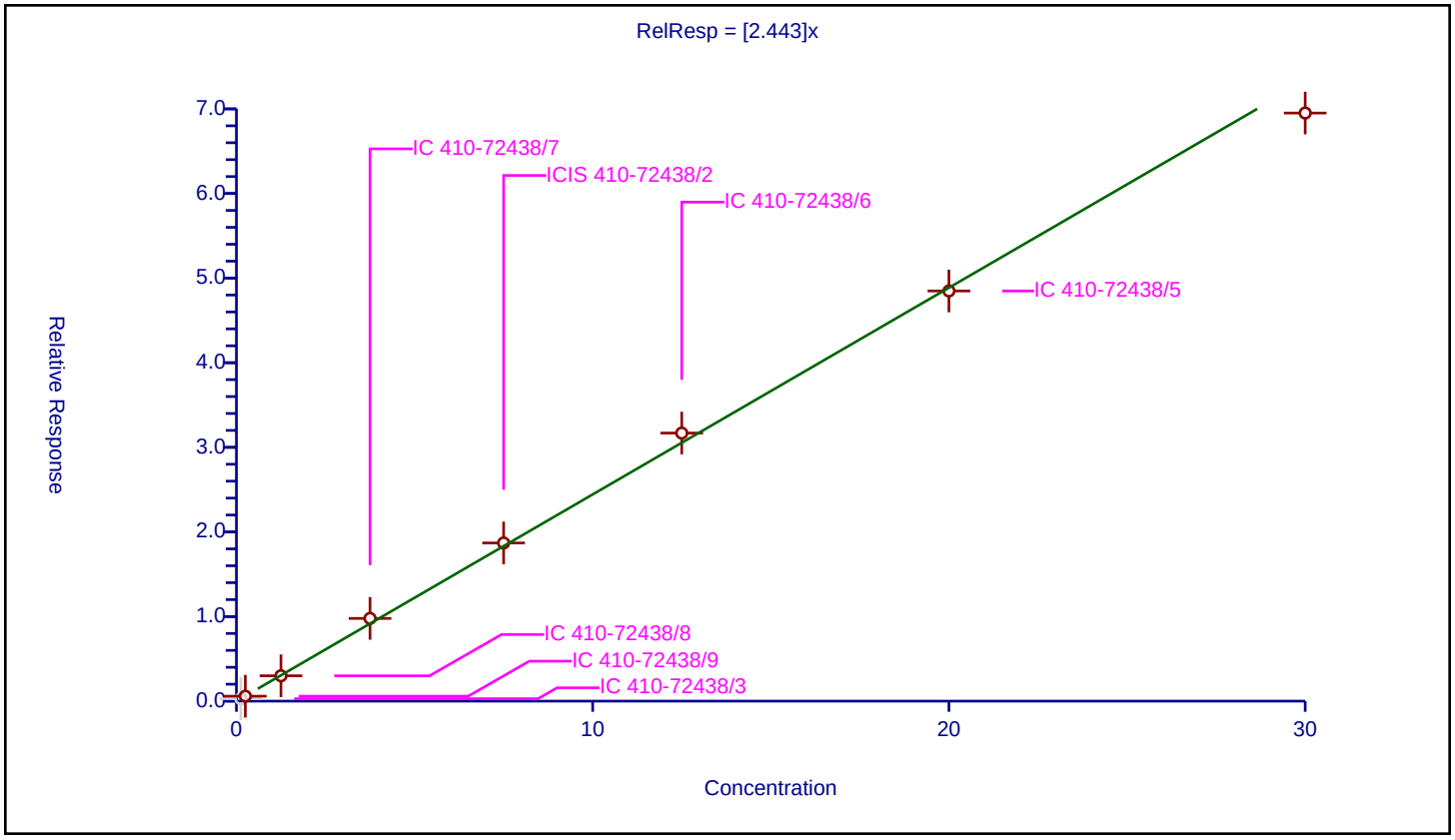
Curve Coefficients

Intercept:	0
Slope:	2.443

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	4.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.28906	5.0	162492.0	2.312483	N
2	IC 410-72438/9	0.25	0.58239	5.0	168272.0	2.329562	Y
3	IC 410-72438/8	1.25	2.99639	5.0	160373.0	2.397112	Y
4	IC 410-72438/7	3.75	9.776074	5.0	159361.0	2.606953	Y
5	ICIS 410-72438/2	7.5	18.694687	5.0	162823.0	2.492625	Y
6	IC 410-72438/6	12.5	31.681397	5.0	188724.0	2.534512	Y
7	IC 410-72438/5	20.0	48.480572	5.0	159741.0	2.424029	Y
8	IC 410-72438/4	30.0	69.509755	5.0	164020.0	2.316992	Y



Calibration / Hexachloroethane

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

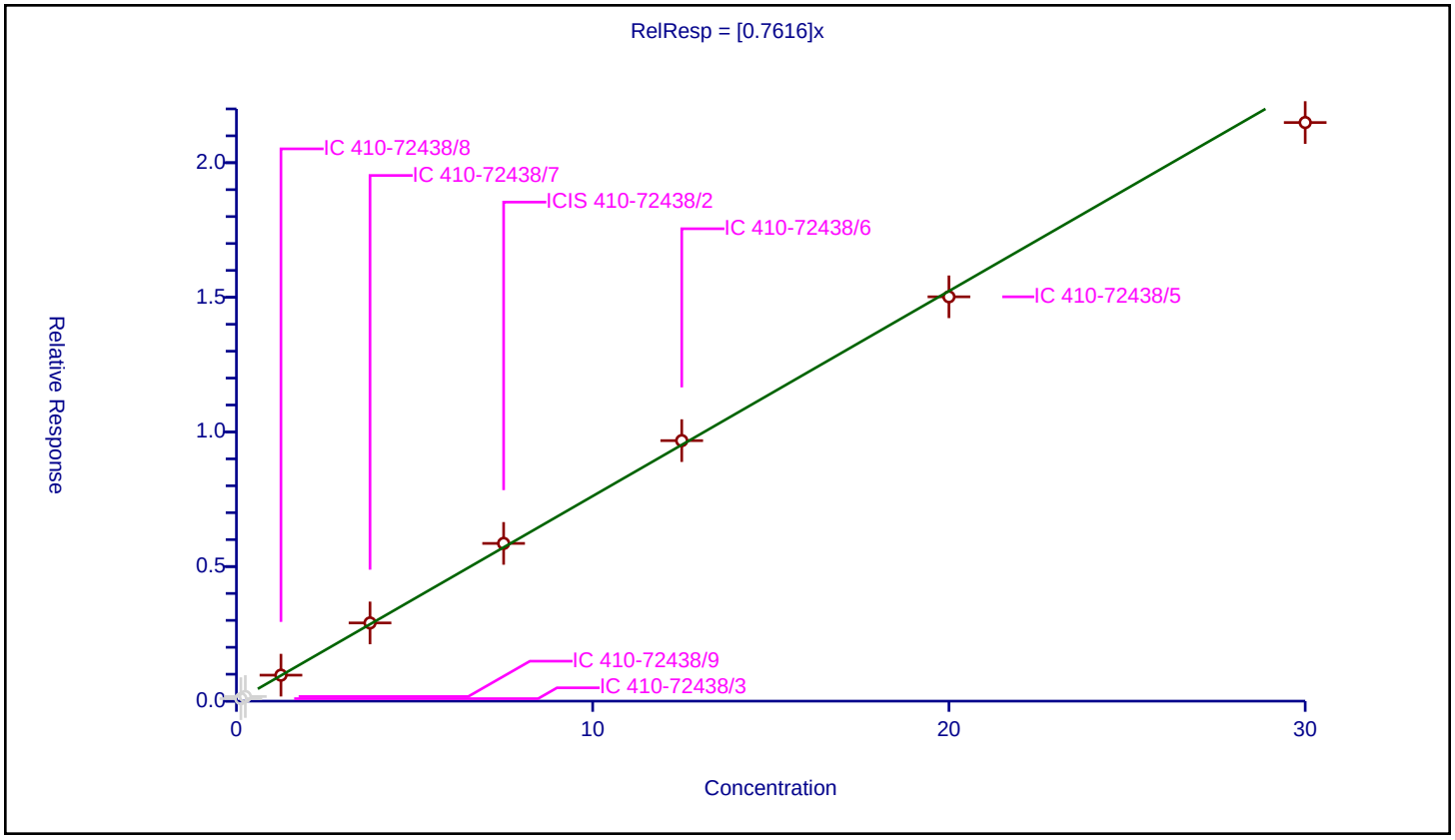
Curve Coefficients

Intercept:	0
Slope:	0.7616

Error Coefficients

Standard Error:	426000
Relative Standard Error:	3.2
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.092435	5.0	162492.0	0.739483	N
2	IC 410-72438/9	0.25	0.171211	5.0	168272.0	0.684844	N
3	IC 410-72438/8	1.25	0.965094	5.0	160373.0	0.772075	Y
4	IC 410-72438/7	3.75	2.905698	5.0	159361.0	0.774853	Y
5	ICIS 410-72438/2	7.5	5.859215	5.0	162823.0	0.781229	Y
6	IC 410-72438/6	12.5	9.677201	5.0	188724.0	0.774176	Y
7	IC 410-72438/5	20.0	15.019751	5.0	159741.0	0.750988	Y
8	IC 410-72438/4	30.0	21.493568	5.0	164020.0	0.716452	Y



Calibration / Nitrobenzene-d5

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

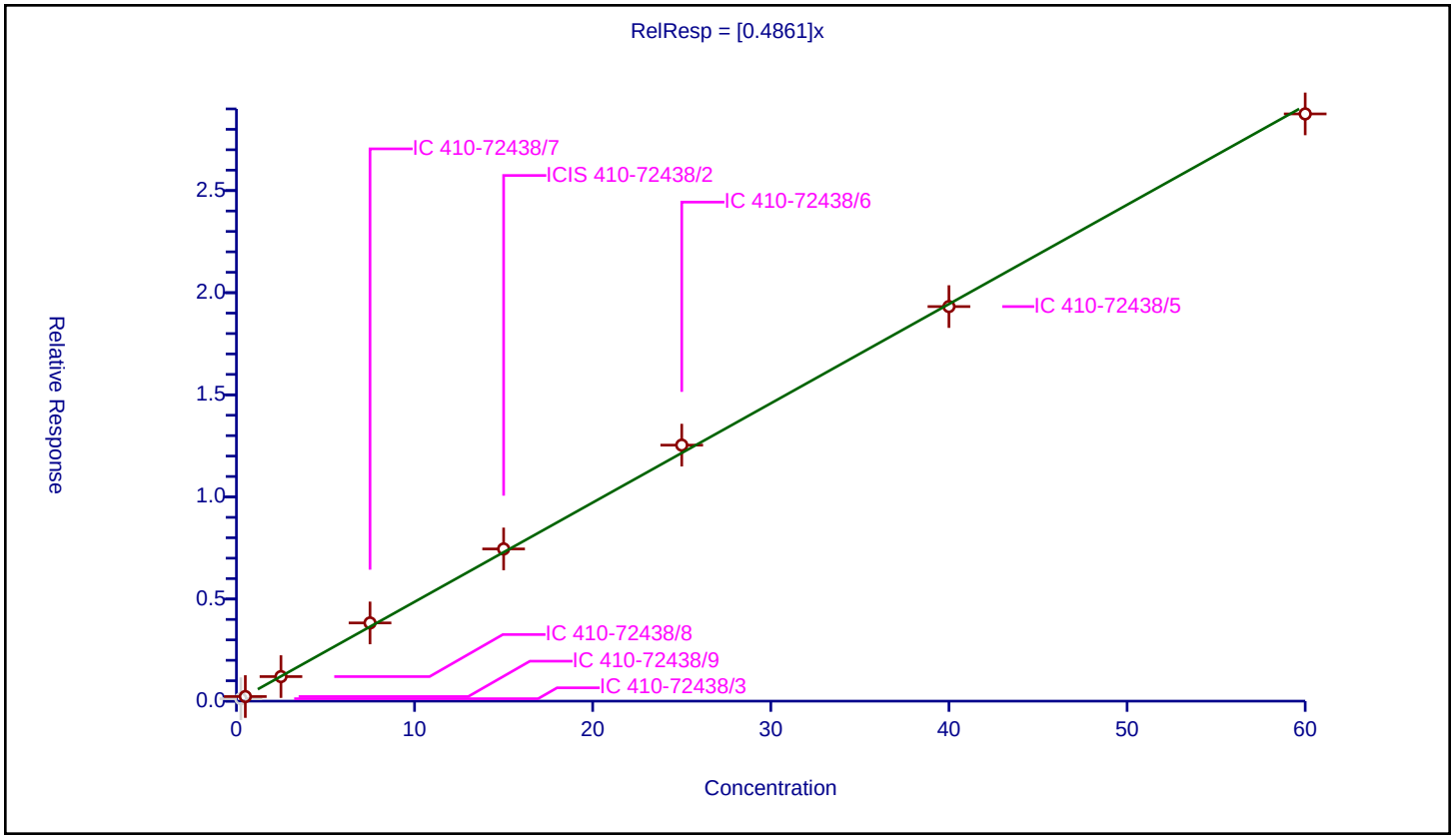
Curve Coefficients

Intercept:	0
Slope:	0.4861

Error Coefficients

Standard Error:	1890000
Relative Standard Error:	4.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.25	0.11953	5.0	612356.0	0.478121	N
2	IC 410-72438/9	0.5	0.225289	5.0	635118.0	0.450578	Y
3	IC 410-72438/8	2.5	1.201965	5.0	622156.0	0.480786	Y
4	IC 410-72438/7	7.5	3.829294	5.0	603610.0	0.510572	Y
5	ICIS 410-72438/2	15.0	7.453055	5.0	617481.0	0.49687	Y
6	IC 410-72438/6	25.0	12.536655	5.0	732711.0	0.501466	Y
7	IC 410-72438/5	40.0	19.320625	5.0	594900.0	0.483016	Y
8	IC 410-72438/4	60.0	28.755295	5.0	593534.0	0.479255	Y



Calibration / Nitrobenzene

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

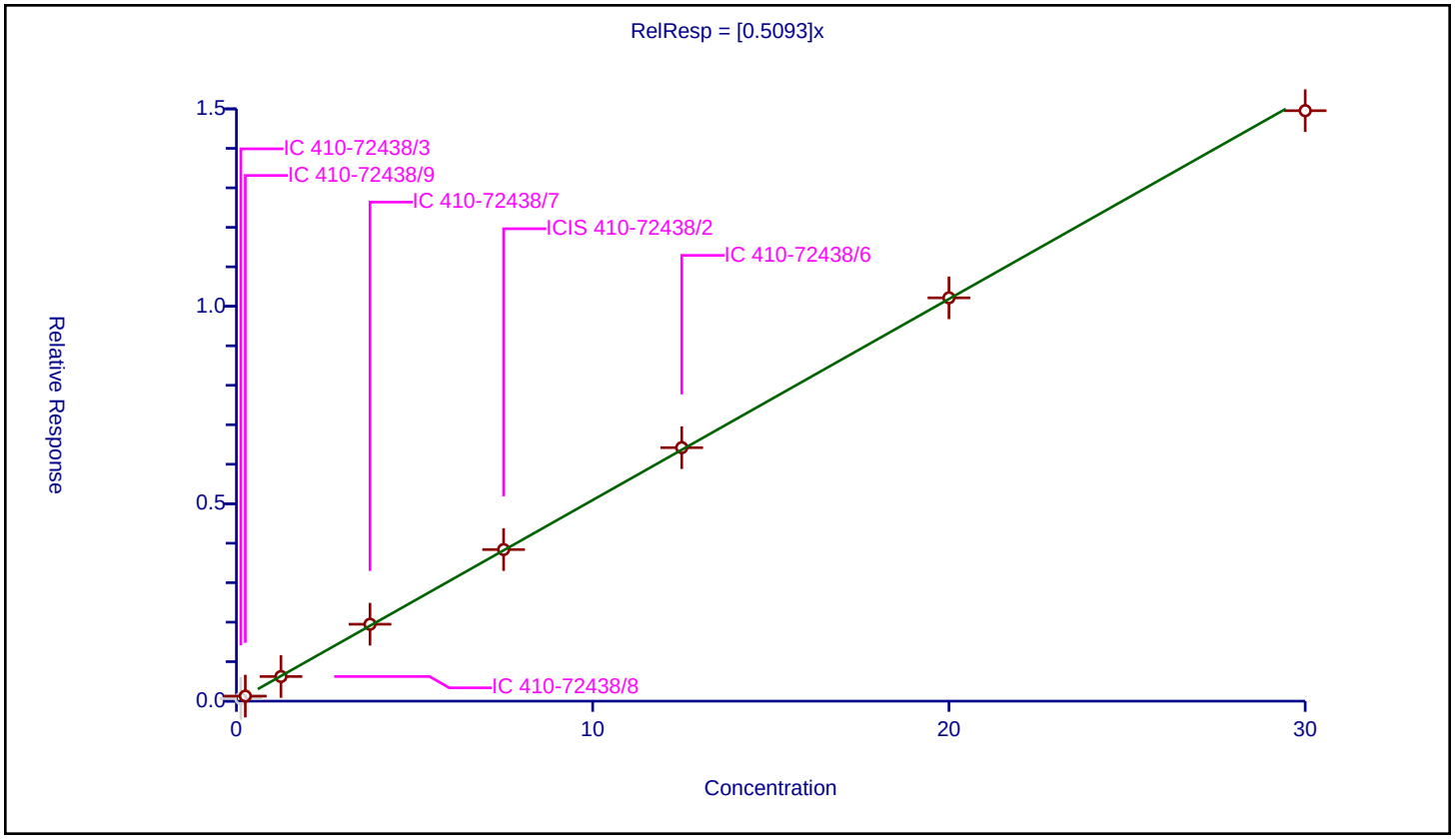
Curve Coefficients

Intercept:	0
Slope:	0.5093

Error Coefficients

Standard Error:	983000
Relative Standard Error:	1.5
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.066595	5.0	612356.0	0.532762	N
2	IC 410-72438/9	0.25	0.127968	5.0	635118.0	0.511873	Y
3	IC 410-72438/8	1.25	0.623549	5.0	622156.0	0.49884	Y
4	IC 410-72438/7	3.75	1.9488	5.0	603610.0	0.51968	Y
5	ICIS 410-72438/2	7.5	3.838993	5.0	617481.0	0.511866	Y
6	IC 410-72438/6	12.5	6.420123	5.0	732711.0	0.51361	Y
7	IC 410-72438/5	20.0	10.214767	5.0	594900.0	0.510738	Y
8	IC 410-72438/4	30.0	14.953836	5.0	593534.0	0.498461	Y



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

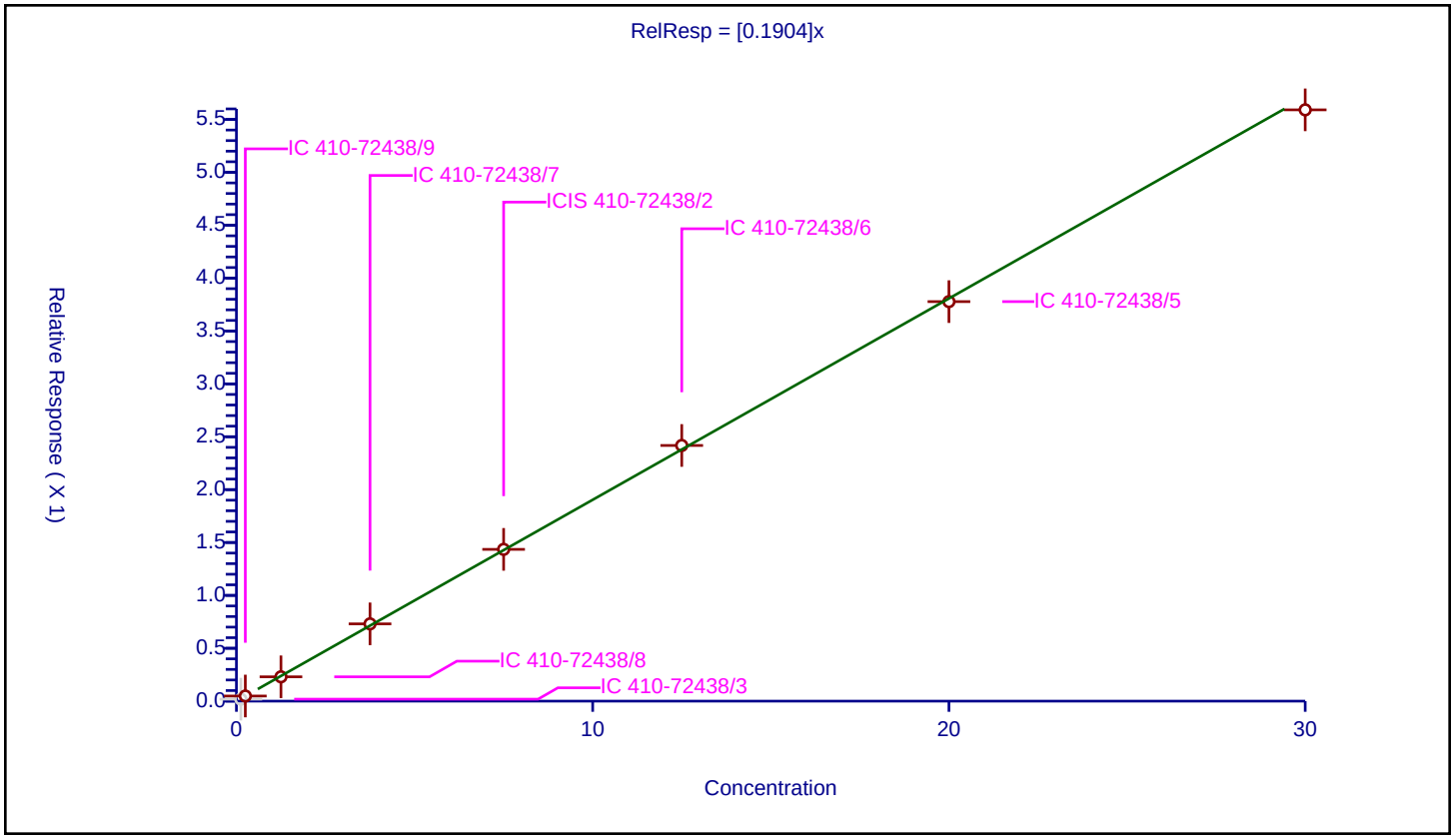
Curve Coefficients

Intercept:	0
Slope:	0.1904

Error Coefficients

Standard Error:	367000
Relative Standard Error:	2.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.018723	5.0	612356.0	0.149782	N
2	IC 410-72438/9	0.25	0.048448	5.0	635118.0	0.193791	Y
3	IC 410-72438/8	1.25	0.229958	5.0	622156.0	0.183967	Y
4	IC 410-72438/7	3.75	0.730637	5.0	603610.0	0.194837	Y
5	ICIS 410-72438/2	7.5	1.435024	5.0	617481.0	0.191337	Y
6	IC 410-72438/6	12.5	2.417399	5.0	732711.0	0.193392	Y
7	IC 410-72438/5	20.0	3.77766	5.0	594900.0	0.188883	Y
8	IC 410-72438/4	30.0	5.590927	5.0	593534.0	0.186364	Y



Calibration / Isophorone

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

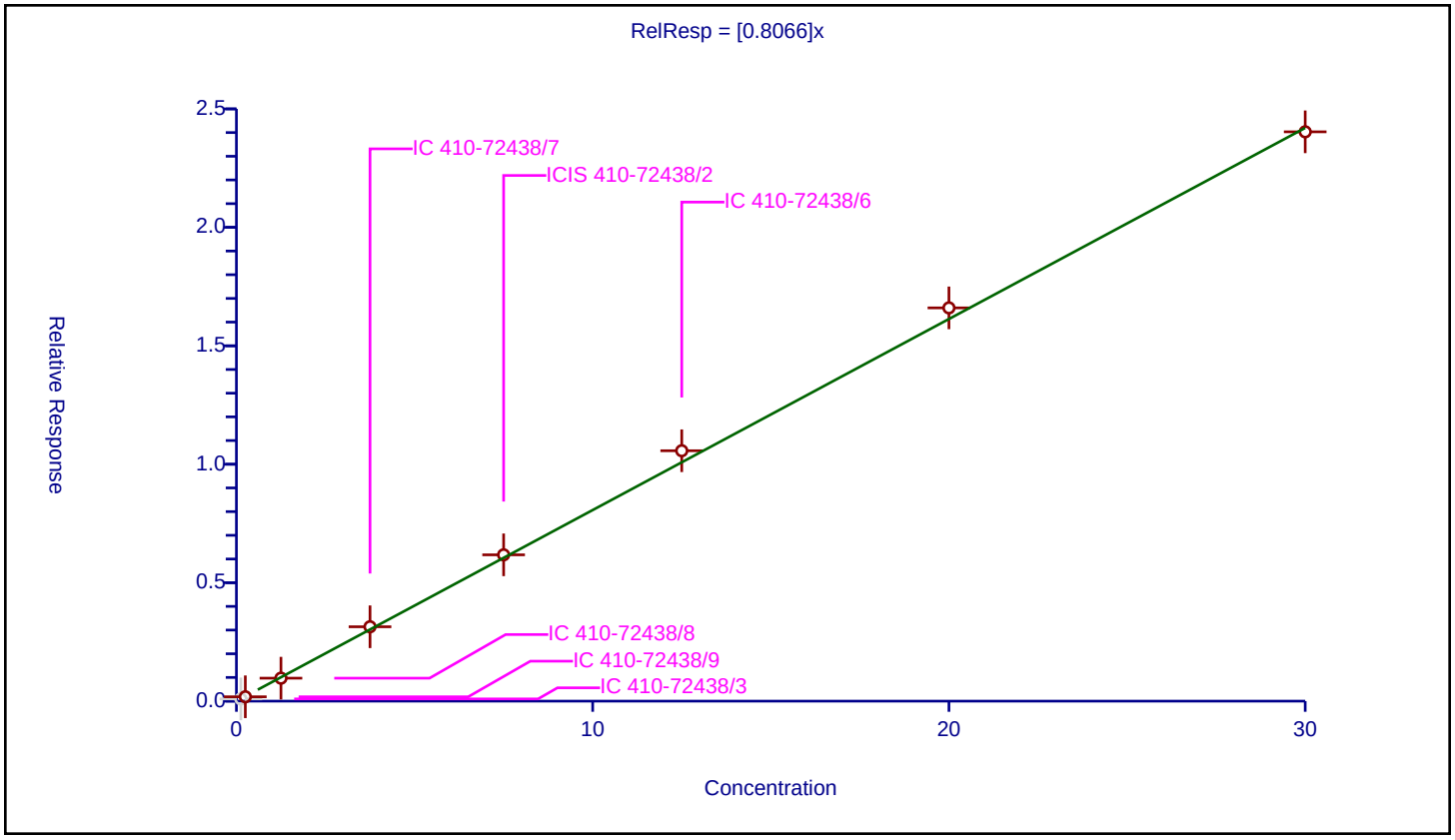
Curve Coefficients

Intercept:	0
Slope:	0.8066

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	5.0
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.093687	5.0	612356.0	0.749499	N
2	IC 410-72438/9	0.25	0.183273	5.0	635118.0	0.733092	Y
3	IC 410-72438/8	1.25	0.969186	5.0	622156.0	0.775349	Y
4	IC 410-72438/7	3.75	3.139842	5.0	603610.0	0.837291	Y
5	ICIS 410-72438/2	7.5	6.176028	5.0	617481.0	0.82347	Y
6	IC 410-72438/6	12.5	10.570416	5.0	732711.0	0.845633	Y
7	IC 410-72438/5	20.0	16.600395	5.0	594900.0	0.83002	Y
8	IC 410-72438/4	30.0	24.031479	5.0	593534.0	0.801049	Y



Calibration / 2-Nitrophenol

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

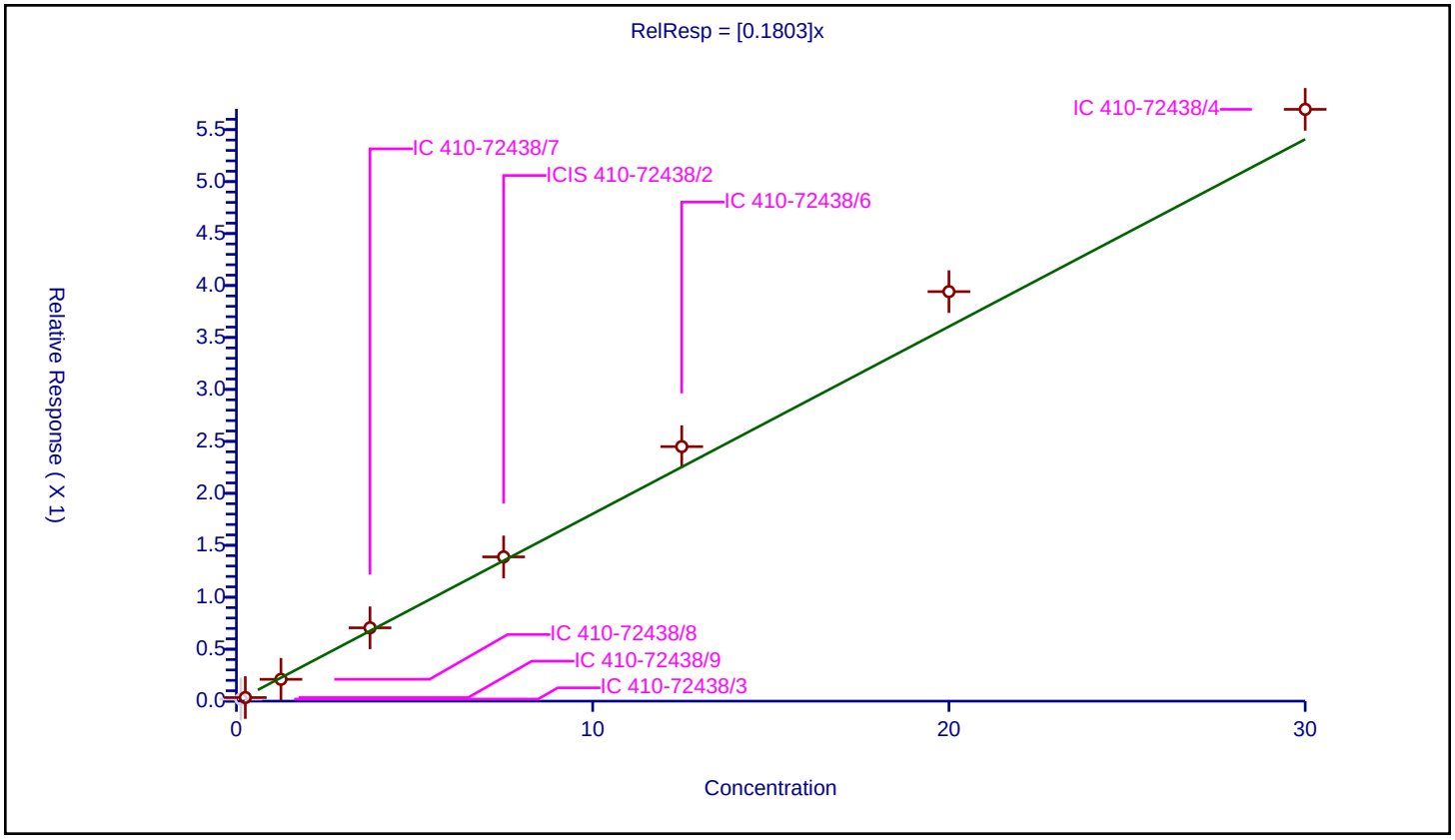
Curve Coefficients

Intercept:	0
Slope:	0.1803

Error Coefficients

Standard Error:	375000
Relative Standard Error:	11.7
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.019482	5.0	612356.0	0.155857	N
2	IC 410-72438/9	0.25	0.034372	5.0	635118.0	0.137486	Y
3	IC 410-72438/8	1.25	0.210084	5.0	622156.0	0.168067	Y
4	IC 410-72438/7	3.75	0.705911	5.0	603610.0	0.188243	Y
5	ICIS 410-72438/2	7.5	1.388342	5.0	617481.0	0.185112	Y
6	IC 410-72438/6	12.5	2.449779	5.0	732711.0	0.195982	Y
7	IC 410-72438/5	20.0	3.941301	5.0	594900.0	0.197065	Y
8	IC 410-72438/4	30.0	5.695697	5.0	593534.0	0.189857	Y



Calibration / 2,4-Dimethylphenol

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

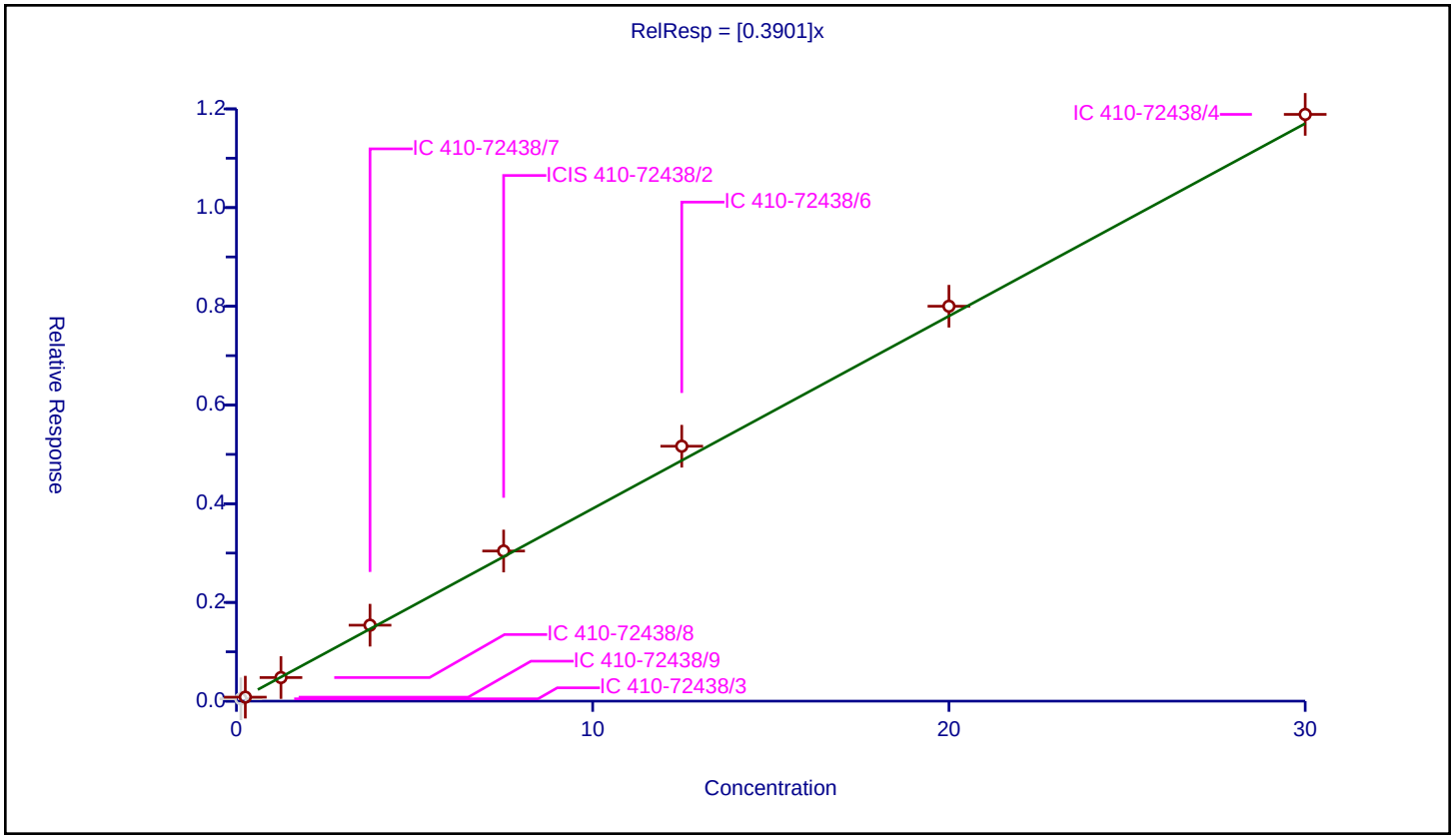
Curve Coefficients

Intercept:	0
Slope:	0.3901

Error Coefficients

Standard Error:	780000
Relative Standard Error:	8.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.047366	5.0	612356.0	0.37893	N
2	IC 410-72438/9	0.25	0.080733	5.0	635118.0	0.322932	Y
3	IC 410-72438/8	1.25	0.477879	5.0	622156.0	0.382303	Y
4	IC 410-72438/7	3.75	1.538883	5.0	603610.0	0.410369	Y
5	ICIS 410-72438/2	7.5	3.04194	5.0	617481.0	0.405592	Y
6	IC 410-72438/6	12.5	5.165522	5.0	732711.0	0.413242	Y
7	IC 410-72438/5	20.0	8.001706	5.0	594900.0	0.400085	Y
8	IC 410-72438/4	30.0	11.888586	5.0	593534.0	0.396286	Y



Calibration / Benzoic acid

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

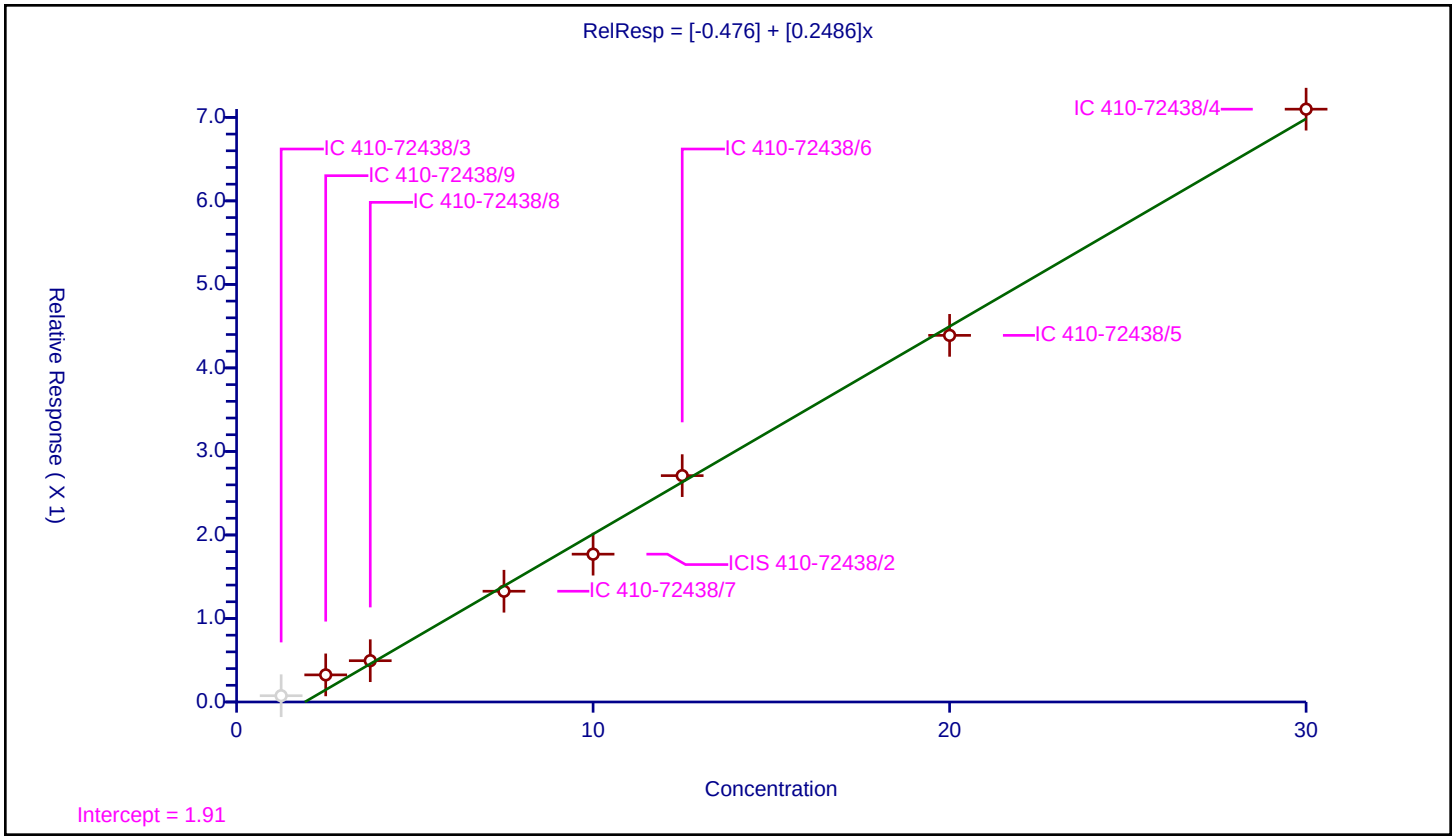
Curve Coefficients

Intercept:	-0.476
Slope:	0.2486

Error Coefficients

Standard Error:	494000
Relative Standard Error:	13.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	1.25	0.075299	5.0	612356.0	0.060239	N
2	IC 410-72438/9	2.5	0.324404	5.0	635118.0	0.129762	Y
3	IC 410-72438/8	3.75	0.494506	5.0	622156.0	0.131868	Y
4	IC 410-72438/7	7.5	1.326187	5.0	603610.0	0.176825	Y
5	ICIS 410-72438/2	10.0	1.769973	5.0	617481.0	0.176997	Y
6	IC 410-72438/6	12.5	2.710298	5.0	732711.0	0.216824	Y
7	IC 410-72438/5	20.0	4.389805	5.0	594900.0	0.21949	Y
8	IC 410-72438/4	30.0	7.098136	5.0	593534.0	0.236605	Y



Calibration / o,o',o''-Triethylphosphorothioate

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

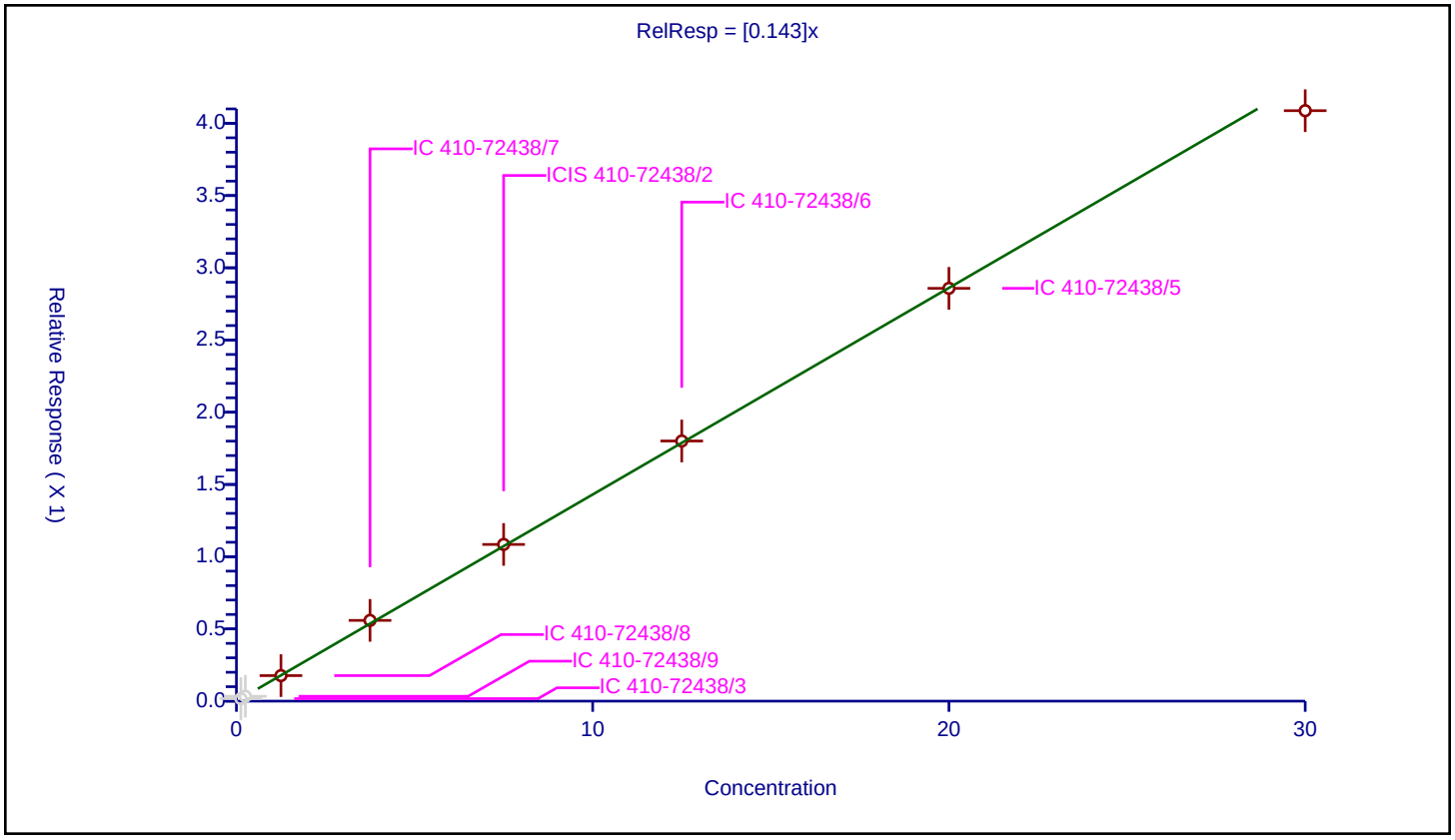
Curve Coefficients

Intercept:	0
Slope:	0.143

Error Coefficients

Standard Error:	298000
Relative Standard Error:	2.9
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.017441	5.0	612356.0	0.139527	N
2	IC 410-72438/9	0.25	0.033852	5.0	635118.0	0.135408	N
3	IC 410-72438/8	1.25	0.176716	5.0	622156.0	0.141373	Y
4	IC 410-72438/7	3.75	0.558929	5.0	603610.0	0.149048	Y
5	ICIS 410-72438/2	7.5	1.084778	5.0	617481.0	0.144637	Y
6	IC 410-72438/6	12.5	1.800915	5.0	732711.0	0.144073	Y
7	IC 410-72438/5	20.0	2.857816	5.0	594900.0	0.142891	Y
8	IC 410-72438/4	30.0	4.087668	5.0	593534.0	0.136256	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

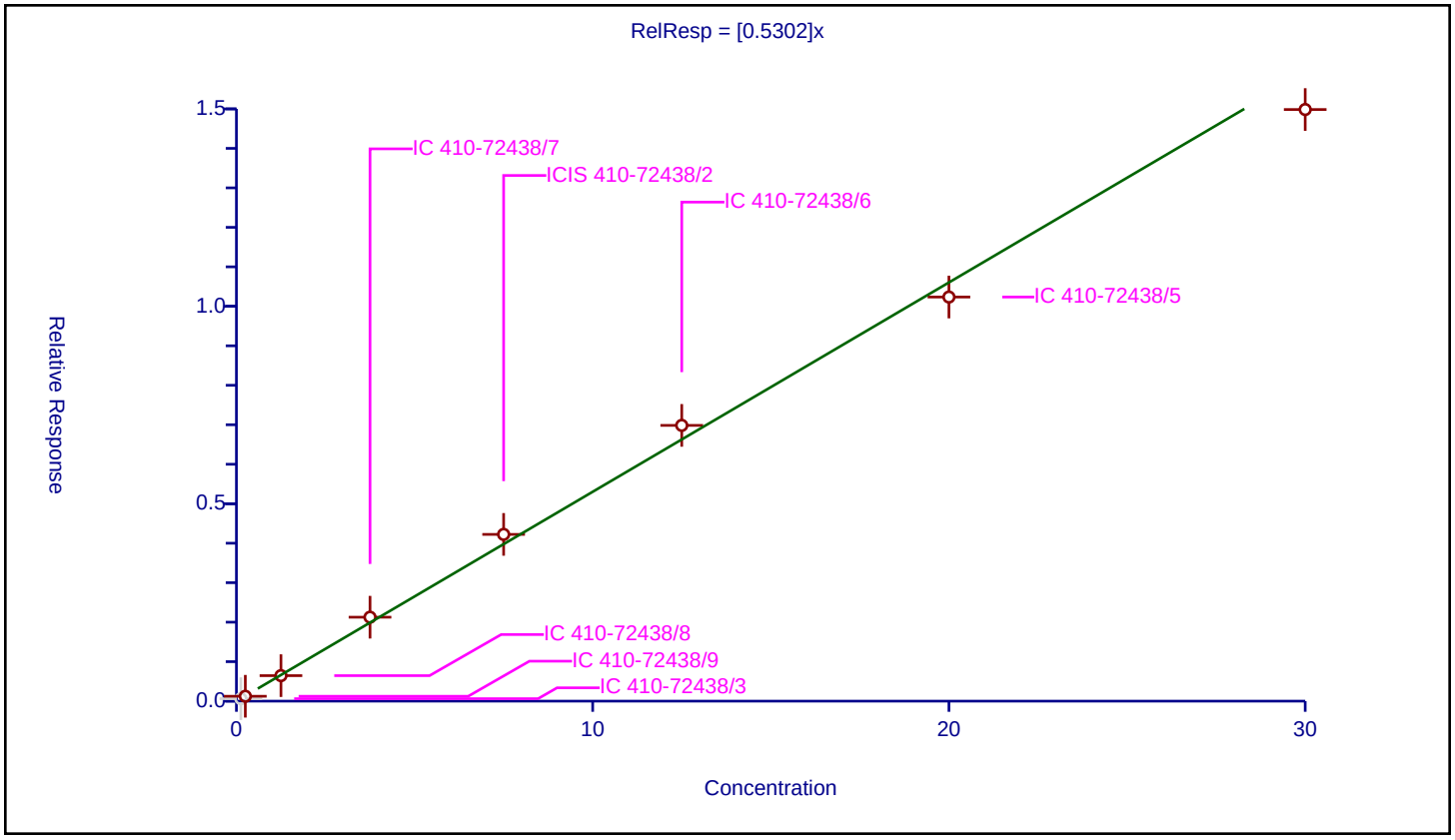
Curve Coefficients

Intercept:	0
Slope:	0.5302

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	5.9
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.062374	5.0	612356.0	0.498991	N
2	IC 410-72438/9	0.25	0.123646	5.0	635118.0	0.494585	Y
3	IC 410-72438/8	1.25	0.646221	5.0	622156.0	0.516976	Y
4	IC 410-72438/7	3.75	2.12576	5.0	603610.0	0.566869	Y
5	ICIS 410-72438/2	7.5	4.223223	5.0	617481.0	0.563096	Y
6	IC 410-72438/6	12.5	6.984213	5.0	732711.0	0.558737	Y
7	IC 410-72438/5	20.0	10.234527	5.0	594900.0	0.511726	Y
8	IC 410-72438/4	30.0	14.983885	5.0	593534.0	0.499463	Y



Calibration / 2,4-Dichlorophenol

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

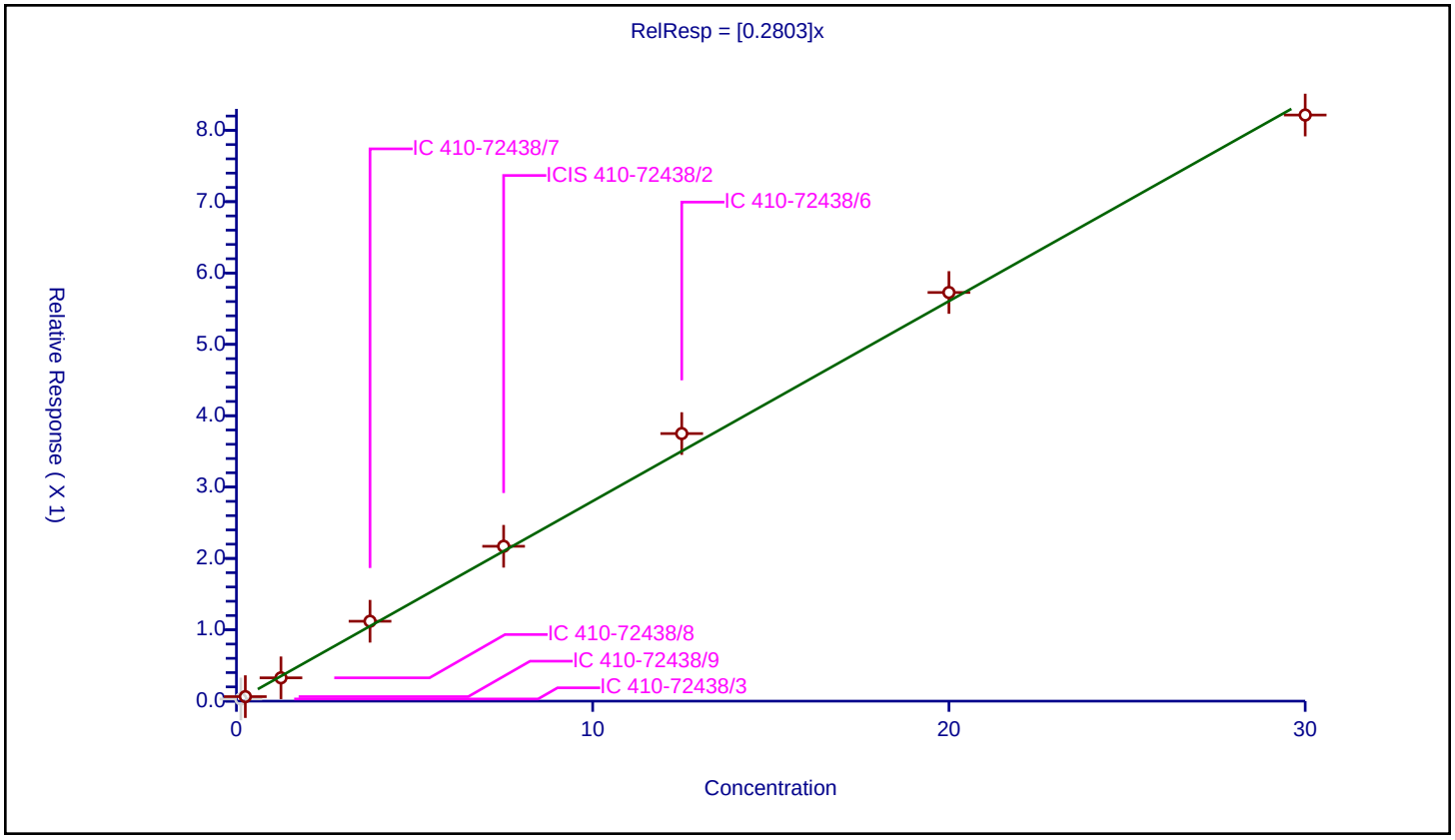
Curve Coefficients

Intercept:	0
Slope:	0.2803

Error Coefficients

Standard Error:	549000
Relative Standard Error:	6.5
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.030456	5.0	612356.0	0.243649	N
2	IC 410-72438/9	0.25	0.063138	5.0	635118.0	0.252551	Y
3	IC 410-72438/8	1.25	0.326711	5.0	622156.0	0.261369	Y
4	IC 410-72438/7	3.75	1.119771	5.0	603610.0	0.298606	Y
5	ICIS 410-72438/2	7.5	2.170261	5.0	617481.0	0.289368	Y
6	IC 410-72438/6	12.5	3.749807	5.0	732711.0	0.299985	Y
7	IC 410-72438/5	20.0	5.727257	5.0	594900.0	0.286363	Y
8	IC 410-72438/4	30.0	8.214155	5.0	593534.0	0.273805	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

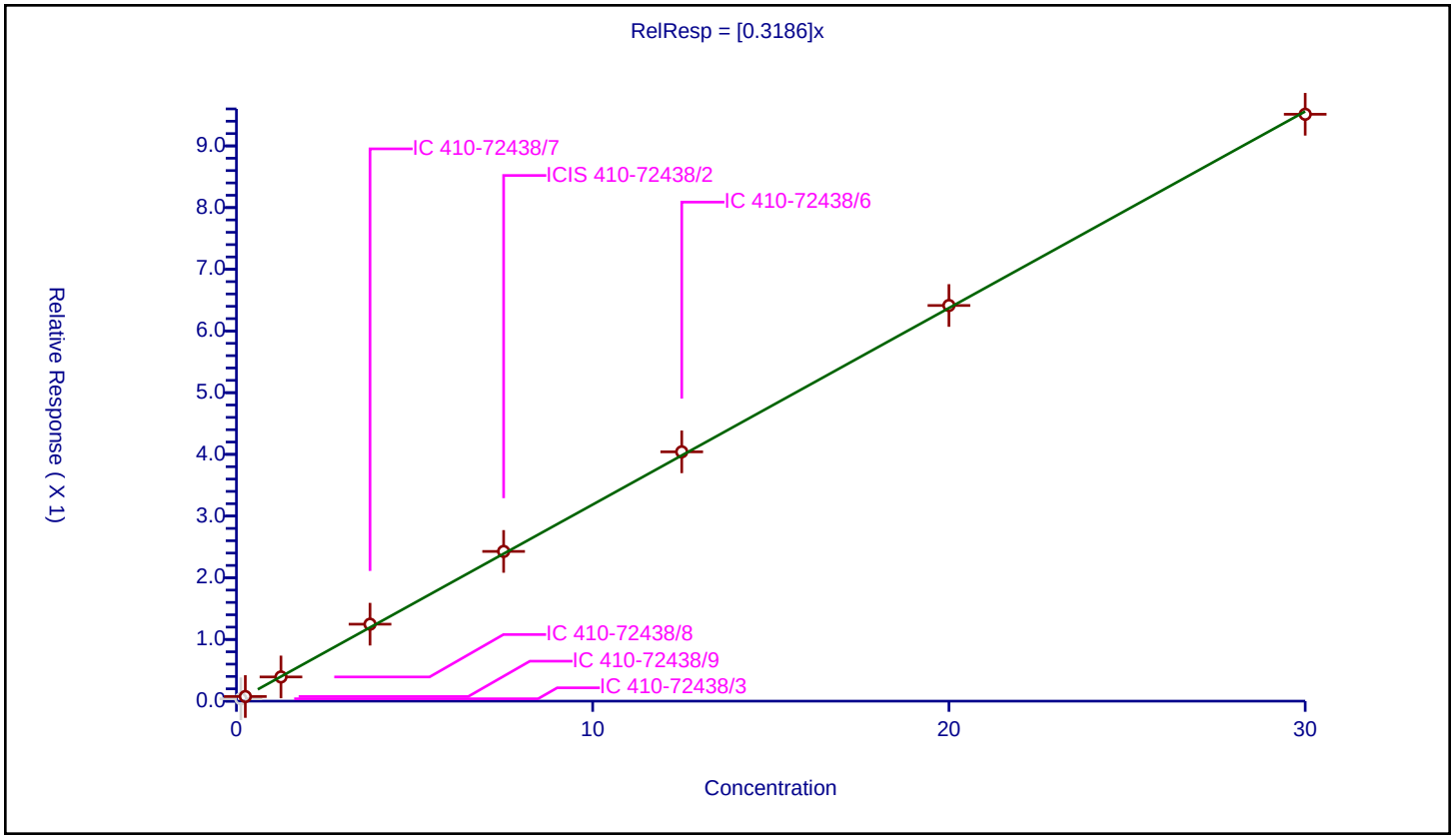
Curve Coefficients

Intercept:	0
Slope:	0.3186

Error Coefficients

Standard Error:	622000
Relative Standard Error:	3.3
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.038425	5.0	612356.0	0.307403	N
2	IC 410-72438/9	0.25	0.074805	5.0	635118.0	0.29922	Y
3	IC 410-72438/8	1.25	0.392265	5.0	622156.0	0.313812	Y
4	IC 410-72438/7	3.75	1.247436	5.0	603610.0	0.33265	Y
5	ICIS 410-72438/2	7.5	2.426957	5.0	617481.0	0.323594	Y
6	IC 410-72438/6	12.5	4.041136	5.0	732711.0	0.323291	Y
7	IC 410-72438/5	20.0	6.41349	5.0	594900.0	0.320674	Y
8	IC 410-72438/4	30.0	9.512589	5.0	593534.0	0.317086	Y



Calibration / Naphthalene

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

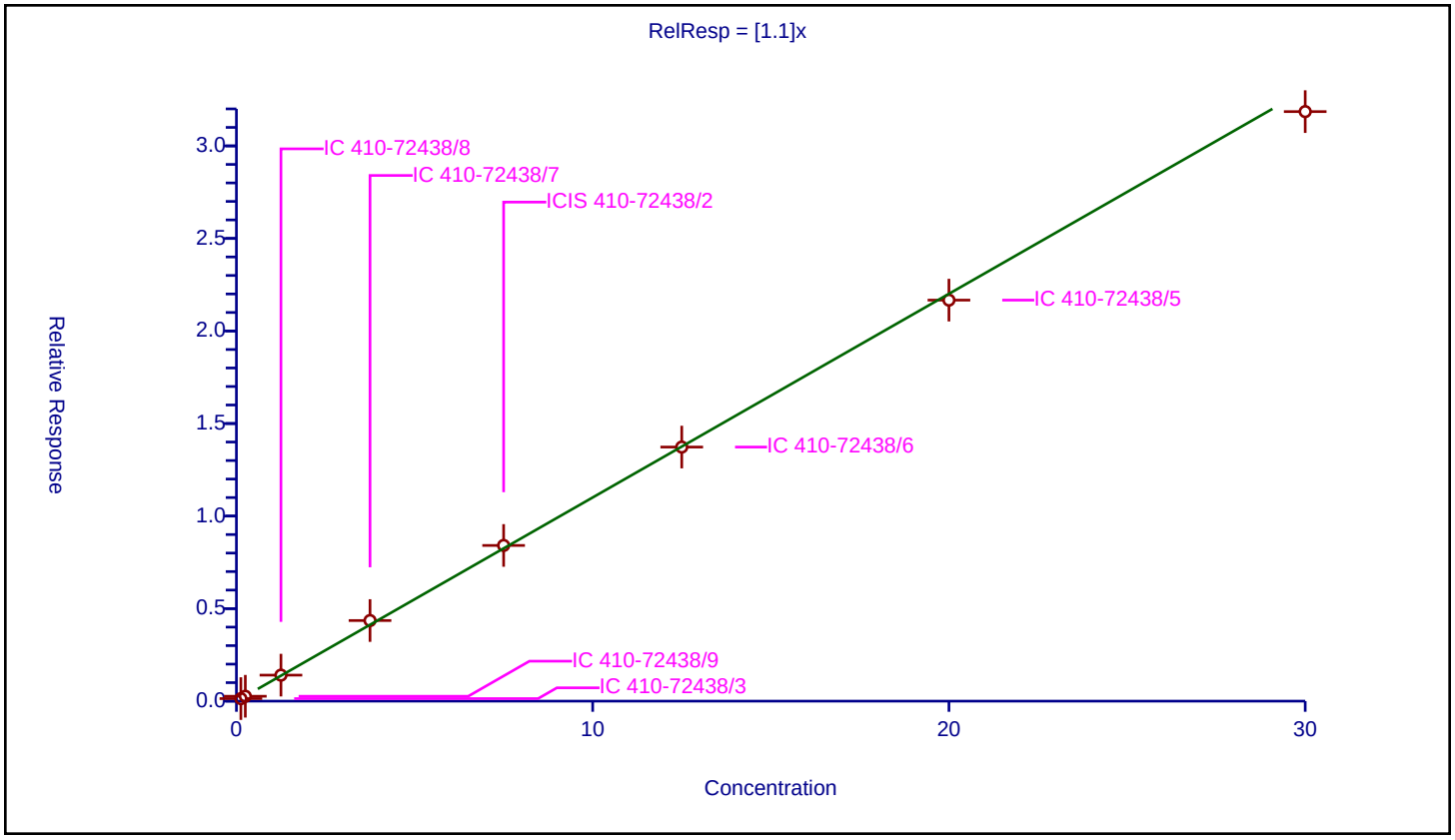
Curve Coefficients

Intercept:	0
Slope:	1.1

Error Coefficients

Standard Error:	1940000
Relative Standard Error:	3.2
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.137371	5.0	612356.0	1.098969	Y
2	IC 410-72438/9	0.25	0.26351	5.0	635118.0	1.05404	Y
3	IC 410-72438/8	1.25	1.404768	5.0	622156.0	1.123815	Y
4	IC 410-72438/7	3.75	4.355586	5.0	603610.0	1.161489	Y
5	ICIS 410-72438/2	7.5	8.412461	5.0	617481.0	1.121662	Y
6	IC 410-72438/6	12.5	13.727609	5.0	732711.0	1.098209	Y
7	IC 410-72438/5	20.0	21.666986	5.0	594900.0	1.083349	Y
8	IC 410-72438/4	30.0	31.852859	5.0	593534.0	1.061762	Y



Calibration / 4-Chloroaniline

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

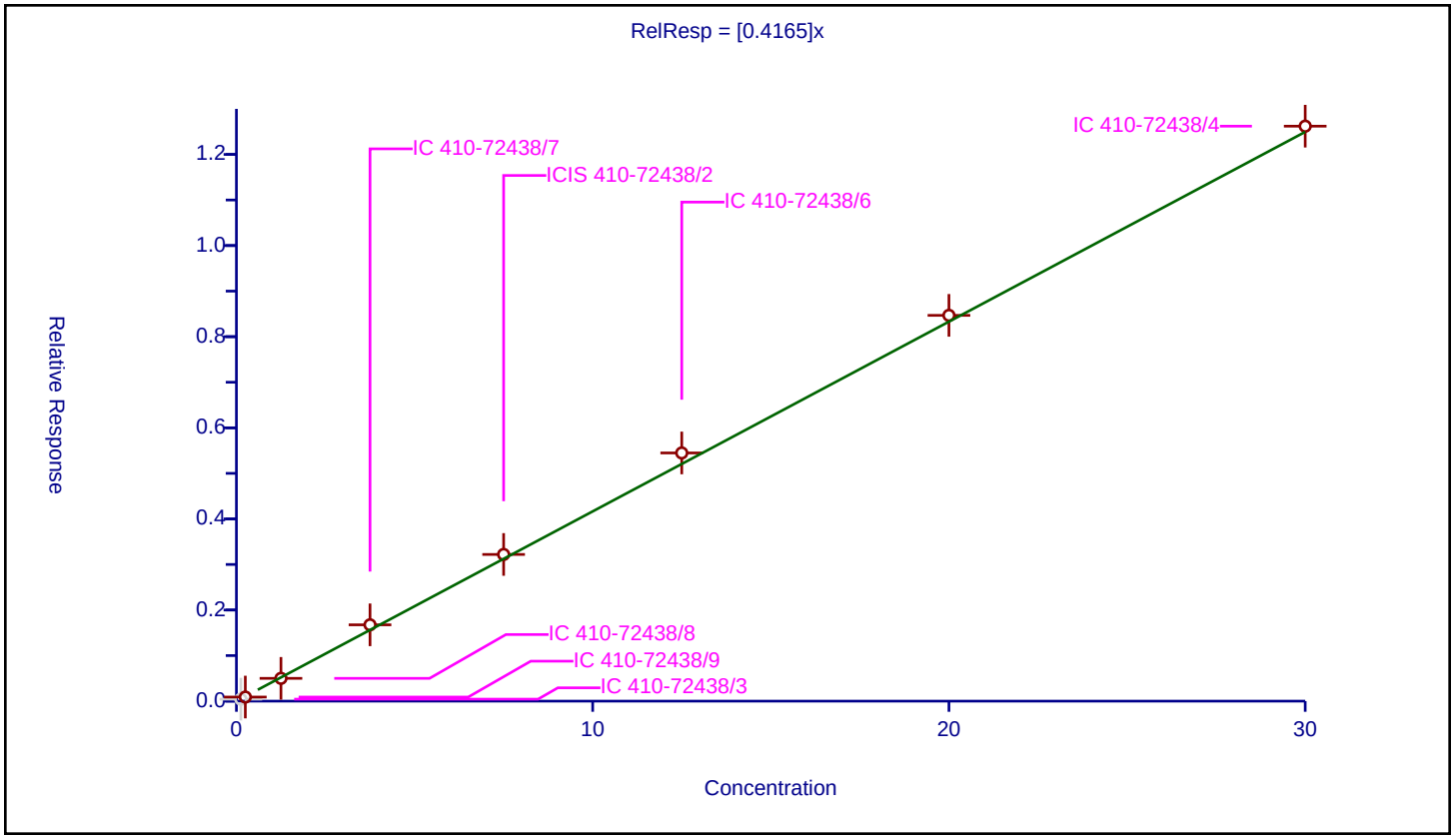
Curve Coefficients

Intercept:	0
Slope:	0.4165

Error Coefficients

Standard Error:	827000
Relative Standard Error:	7.0
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.043798	5.0	612356.0	0.350384	N
2	IC 410-72438/9	0.25	0.08981	5.0	635118.0	0.35924	Y
3	IC 410-72438/8	1.25	0.500301	5.0	622156.0	0.40024	Y
4	IC 410-72438/7	3.75	1.675163	5.0	603610.0	0.44671	Y
5	ICIS 410-72438/2	7.5	3.219864	5.0	617481.0	0.429315	Y
6	IC 410-72438/6	12.5	5.447994	5.0	732711.0	0.43584	Y
7	IC 410-72438/5	20.0	8.468112	5.0	594900.0	0.423406	Y
8	IC 410-72438/4	30.0	12.620852	5.0	593534.0	0.420695	Y



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

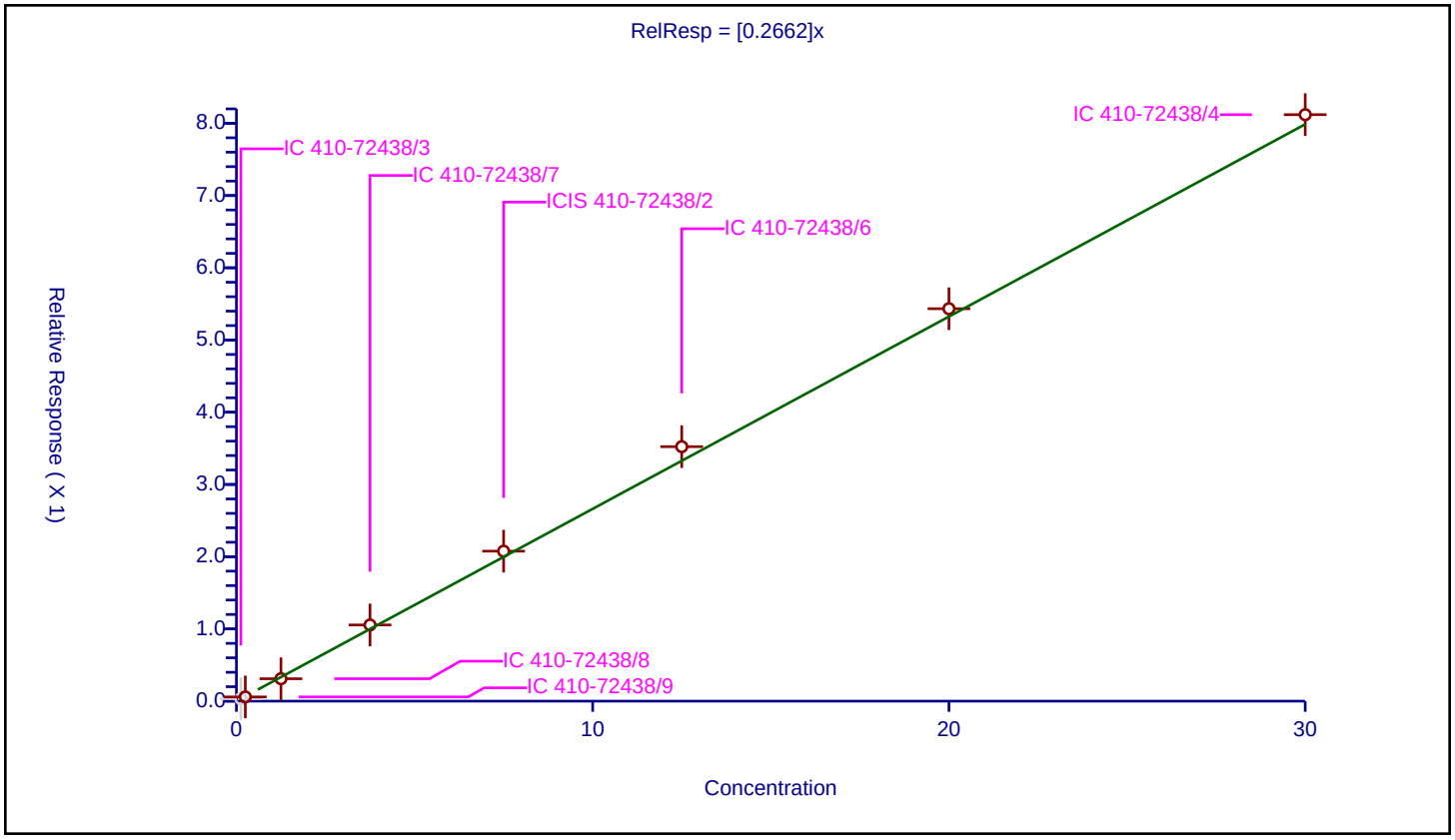
Curve Coefficients

Intercept:	0
Slope:	0.2662

Error Coefficients

Standard Error:	532000
Relative Standard Error:	7.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.033796	5.0	612356.0	0.270366	N
2	IC 410-72438/9	0.25	0.058273	5.0	635118.0	0.233091	Y
3	IC 410-72438/8	1.25	0.310155	5.0	622156.0	0.248124	Y
4	IC 410-72438/7	3.75	1.054853	5.0	603610.0	0.281294	Y
5	ICIS 410-72438/2	7.5	2.076785	5.0	617481.0	0.276905	Y
6	IC 410-72438/6	12.5	3.523306	5.0	732711.0	0.281864	Y
7	IC 410-72438/5	20.0	5.433384	5.0	594900.0	0.271669	Y
8	IC 410-72438/4	30.0	8.120057	5.0	593534.0	0.270669	Y



Calibration / Hexachloropropene

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

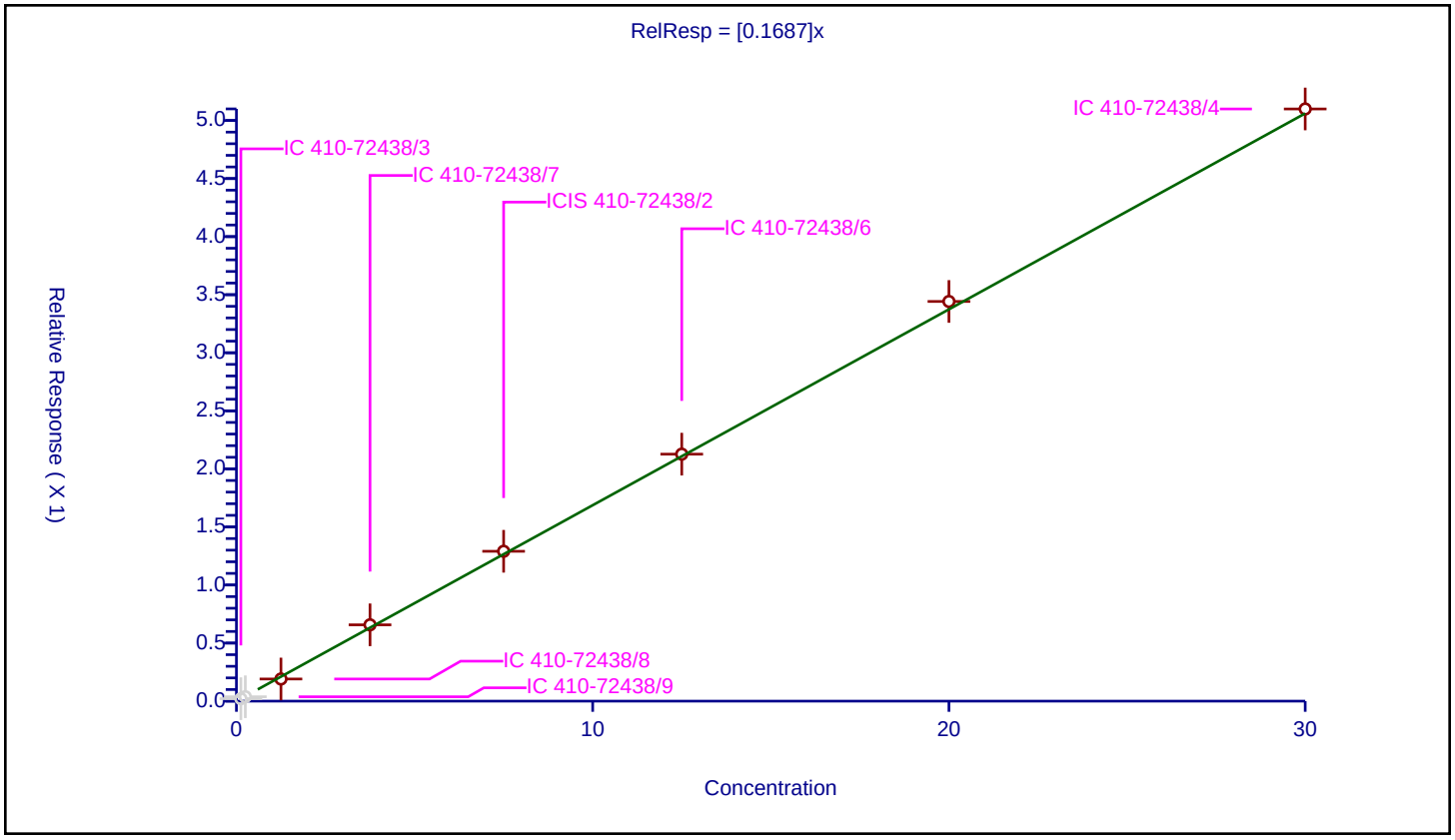
Curve Coefficients

Intercept:	0
Slope:	0.1687

Error Coefficients

Standard Error:	364000
Relative Standard Error:	4.8
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.021197	5.0	612356.0	0.169575	N
2	IC 410-72438/9	0.25	0.037741	5.0	635118.0	0.150964	N
3	IC 410-72438/8	1.25	0.190788	5.0	622156.0	0.152631	Y
4	IC 410-72438/7	3.75	0.657287	5.0	603610.0	0.175277	Y
5	ICIS 410-72438/2	7.5	1.290526	5.0	617481.0	0.17207	Y
6	IC 410-72438/6	12.5	2.126937	5.0	732711.0	0.170155	Y
7	IC 410-72438/5	20.0	3.44178	5.0	594900.0	0.172089	Y
8	IC 410-72438/4	30.0	5.099413	5.0	593534.0	0.16998	Y



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

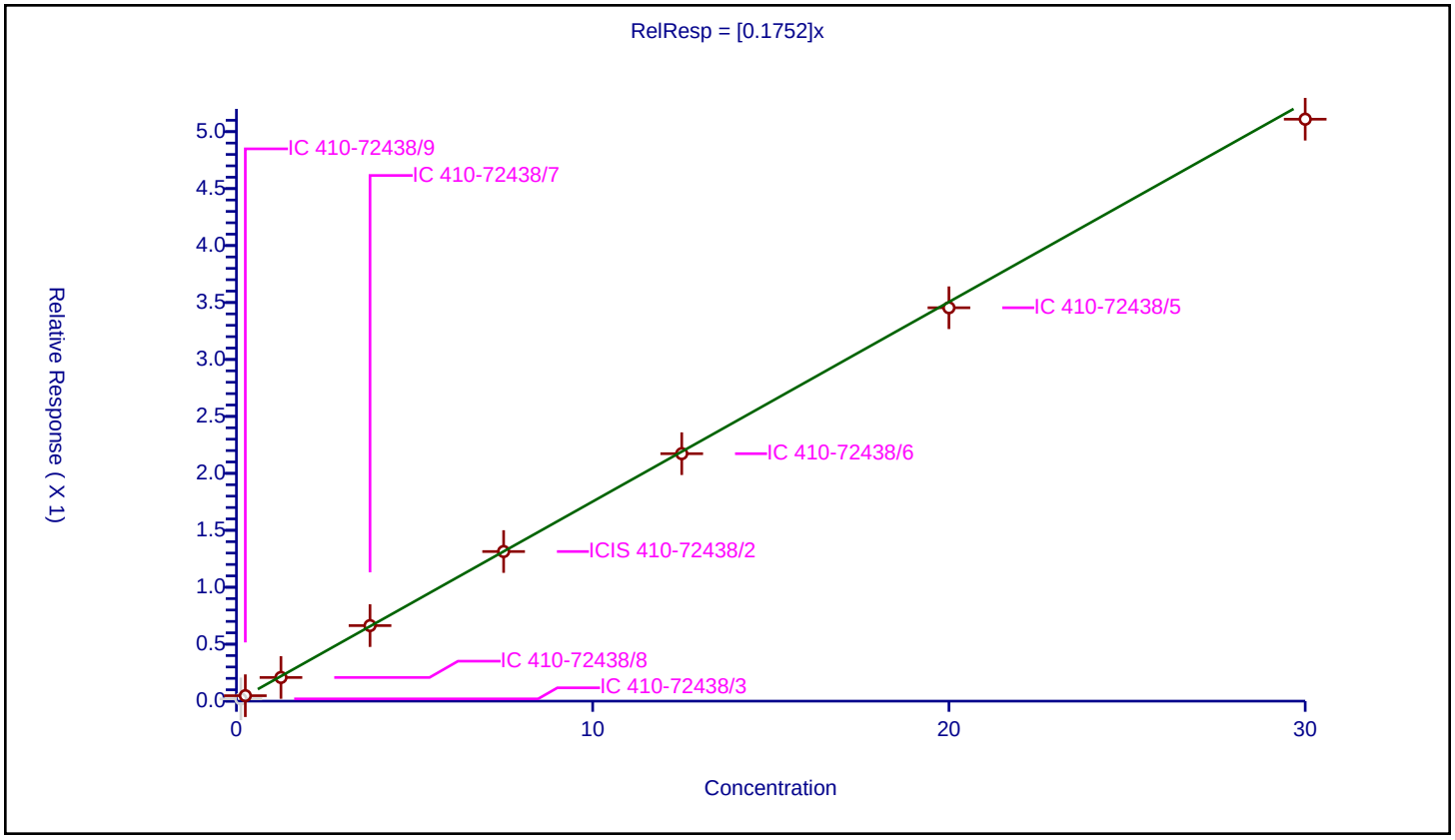
Curve Coefficients

Intercept:	0
Slope:	0.1752

Error Coefficients

Standard Error:	335000
Relative Standard Error:	4.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.019964	5.0	612356.0	0.159711	N
2	IC 410-72438/9	0.25	0.047889	5.0	635118.0	0.191555	Y
3	IC 410-72438/8	1.25	0.207858	5.0	622156.0	0.166286	Y
4	IC 410-72438/7	3.75	0.663235	5.0	603610.0	0.176863	Y
5	ICIS 410-72438/2	7.5	1.313587	5.0	617481.0	0.175145	Y
6	IC 410-72438/6	12.5	2.17278	5.0	732711.0	0.173822	Y
7	IC 410-72438/5	20.0	3.454017	5.0	594900.0	0.172701	Y
8	IC 410-72438/4	30.0	5.109387	5.0	593534.0	0.170313	Y



Calibration / Quinoline

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

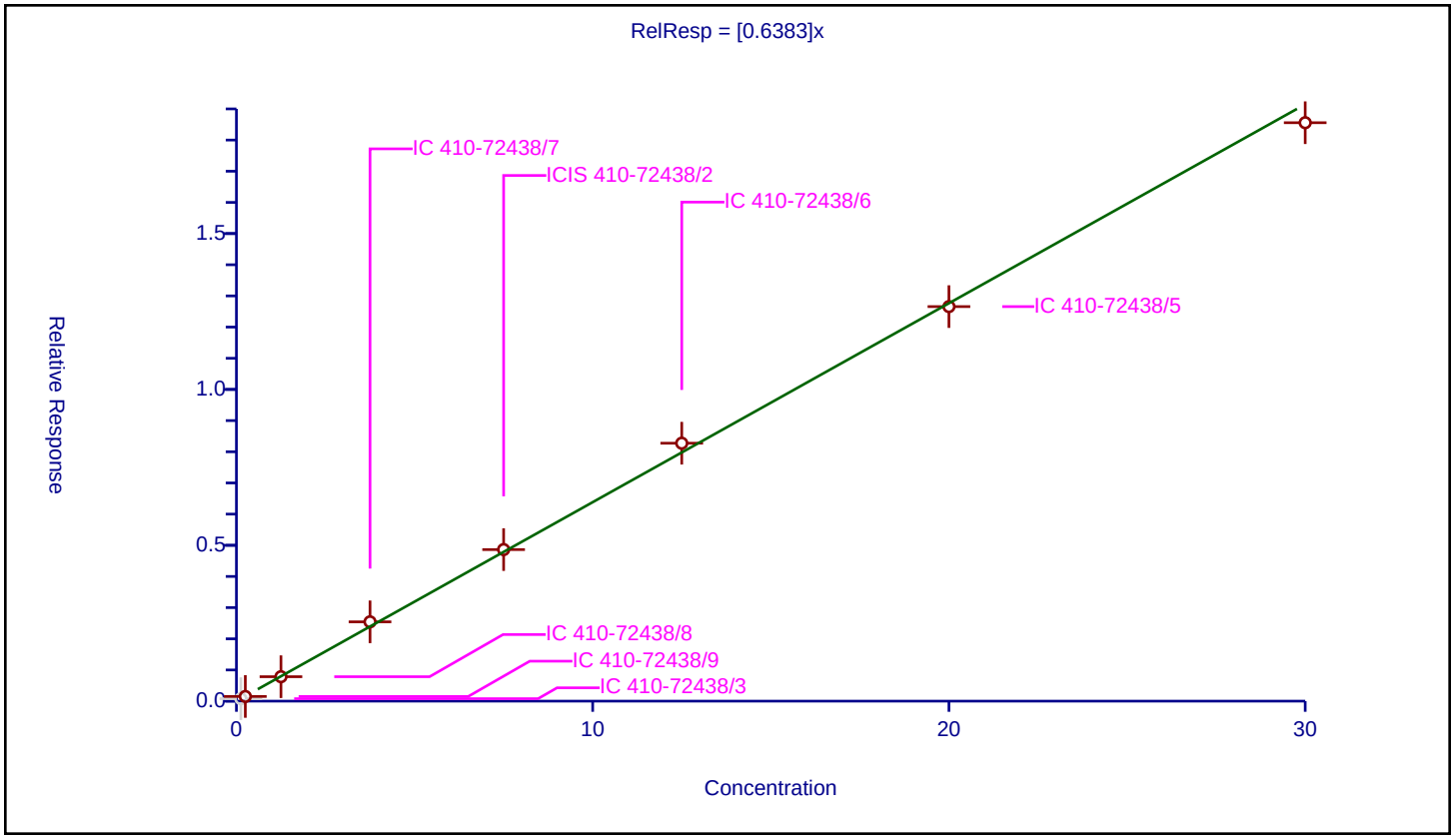
Curve Coefficients

Intercept:	0
Slope:	0.6383

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	4.2
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.078696	5.0	612356.0	0.629568	N
2	IC 410-72438/9	0.25	0.150185	5.0	635118.0	0.600739	Y
3	IC 410-72438/8	1.25	0.783614	5.0	622156.0	0.626891	Y
4	IC 410-72438/7	3.75	2.544201	5.0	603610.0	0.678454	Y
5	ICIS 410-72438/2	7.5	4.862384	5.0	617481.0	0.648318	Y
6	IC 410-72438/6	12.5	8.274538	5.0	732711.0	0.661963	Y
7	IC 410-72438/5	20.0	12.657245	5.0	594900.0	0.632862	Y
8	IC 410-72438/4	30.0	18.556544	5.0	593534.0	0.618551	Y



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

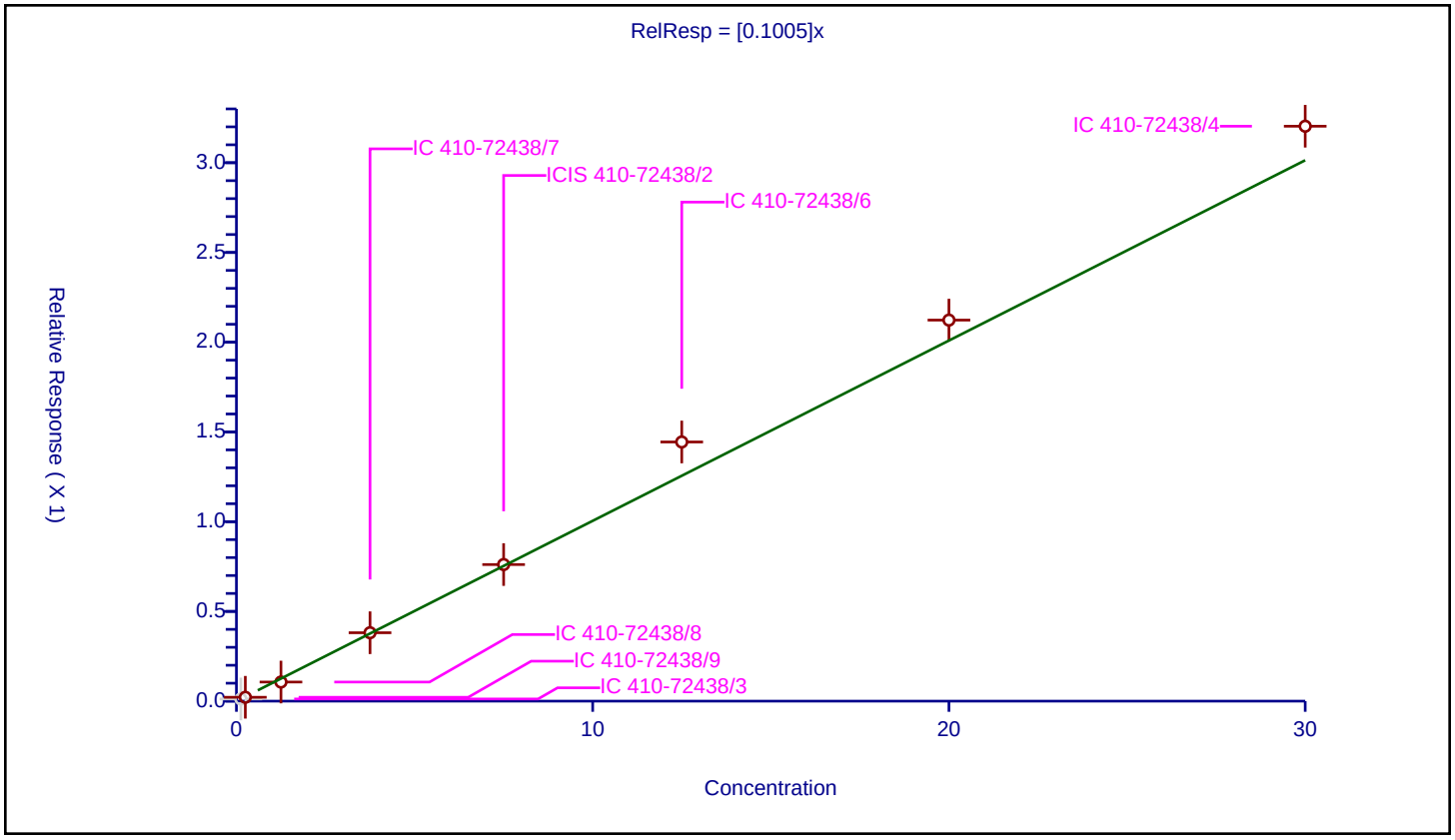
Curve Coefficients

Intercept:	0
Slope:	0.1005

Error Coefficients

Standard Error:	210000
Relative Standard Error:	11.0
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.012133	5.0	612356.0	0.097068	N
2	IC 410-72438/9	0.25	0.021594	5.0	635118.0	0.086378	Y
3	IC 410-72438/8	1.25	0.106517	5.0	622156.0	0.085213	Y
4	IC 410-72438/7	3.75	0.381231	5.0	603610.0	0.101662	Y
5	ICIS 410-72438/2	7.5	0.761165	5.0	617481.0	0.101489	Y
6	IC 410-72438/6	12.5	1.444116	5.0	732711.0	0.115529	Y
7	IC 410-72438/5	20.0	2.12313	5.0	594900.0	0.106156	Y
8	IC 410-72438/4	30.0	3.203363	5.0	593534.0	0.106779	Y



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

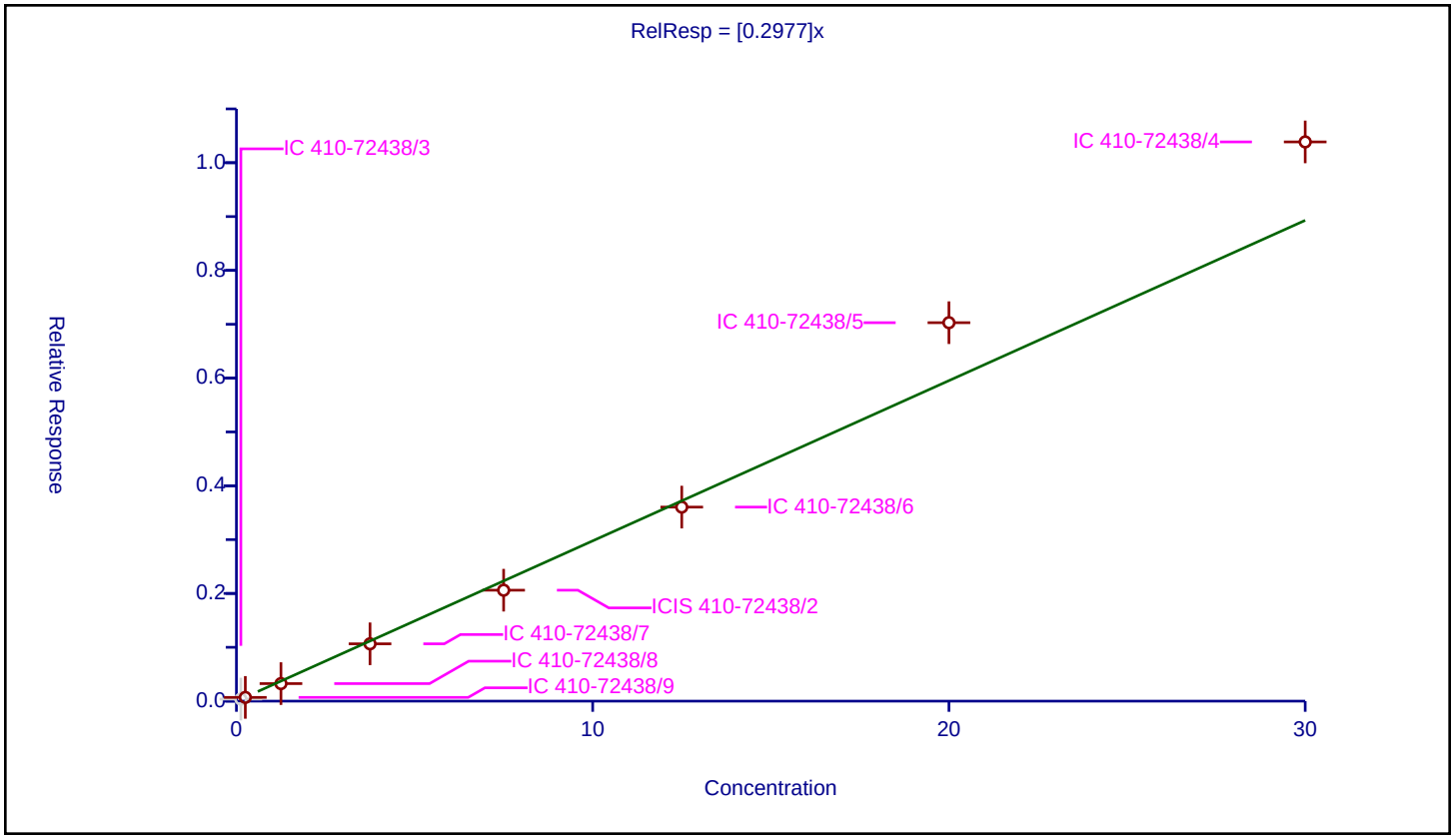
Curve Coefficients

Intercept:	0
Slope:	0.2977

Error Coefficients

Standard Error:	656000
Relative Standard Error:	12.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.03845	5.0	612356.0	0.307599	N
2	IC 410-72438/9	0.25	0.06957	5.0	635118.0	0.278279	Y
3	IC 410-72438/8	1.25	0.325867	5.0	622156.0	0.260693	Y
4	IC 410-72438/7	3.75	1.064586	5.0	603610.0	0.28389	Y
5	ICIS 410-72438/2	7.5	2.060436	5.0	617481.0	0.274725	Y
6	IC 410-72438/6	12.5	3.604211	5.0	732711.0	0.288337	Y
7	IC 410-72438/5	20.0	7.029097	5.0	594900.0	0.351455	Y
8	IC 410-72438/4	30.0	10.386389	5.0	593534.0	0.346213	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

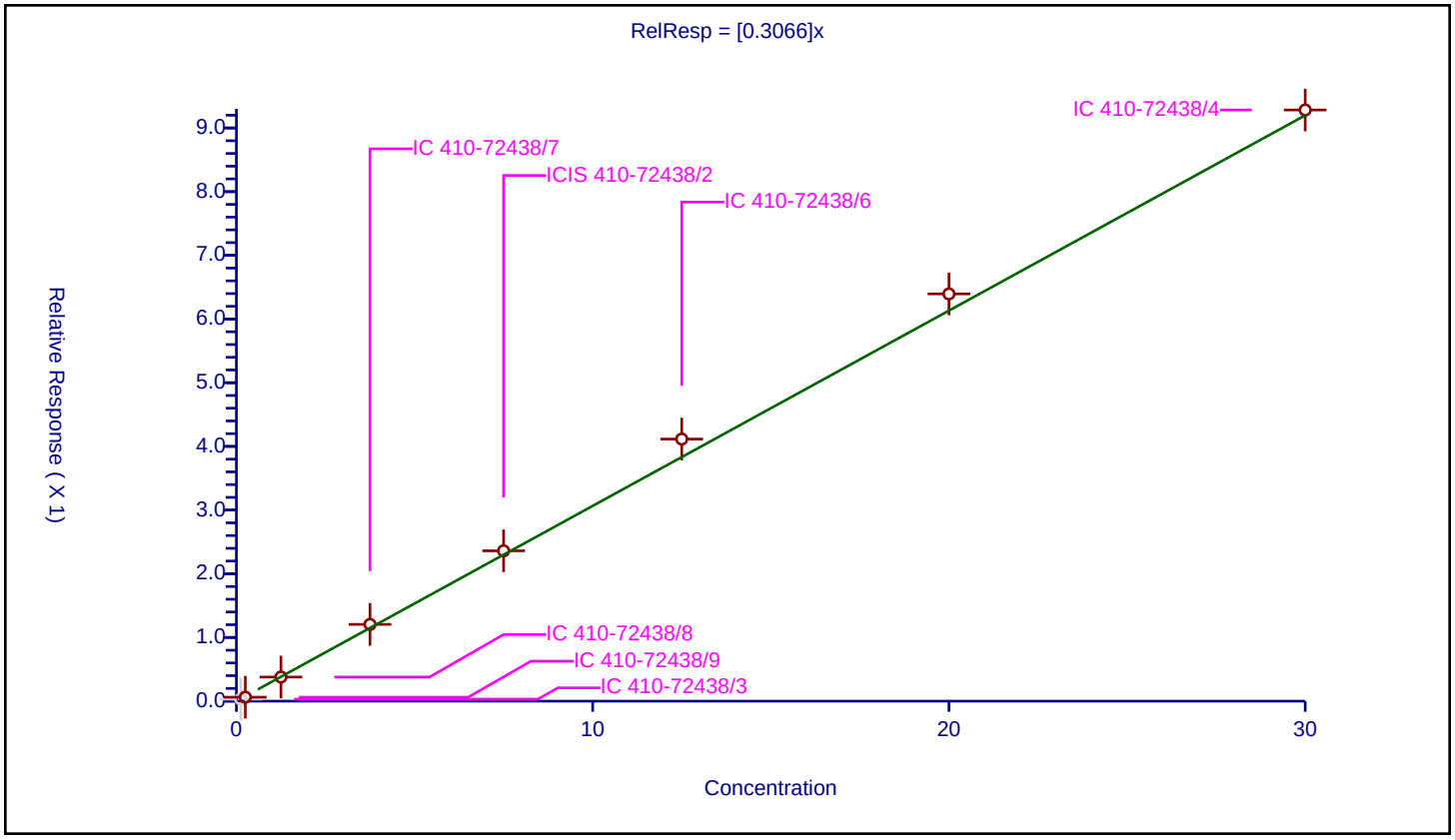
Curve Coefficients

Intercept:	0
Slope:	0.3066

Error Coefficients

Standard Error:	614000
Relative Standard Error:	8.8
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.031583	5.0	612356.0	0.252663	N
2	IC 410-72438/9	0.25	0.062209	5.0	635118.0	0.248836	Y
3	IC 410-72438/8	1.25	0.378547	5.0	622156.0	0.302837	Y
4	IC 410-72438/7	3.75	1.205398	5.0	603610.0	0.321439	Y
5	ICIS 410-72438/2	7.5	2.360615	5.0	617481.0	0.314749	Y
6	IC 410-72438/6	12.5	4.115176	5.0	732711.0	0.329214	Y
7	IC 410-72438/5	20.0	6.394386	5.0	594900.0	0.319719	Y
8	IC 410-72438/4	30.0	9.282383	5.0	593534.0	0.309413	Y



Calibration / Safrole, Total

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

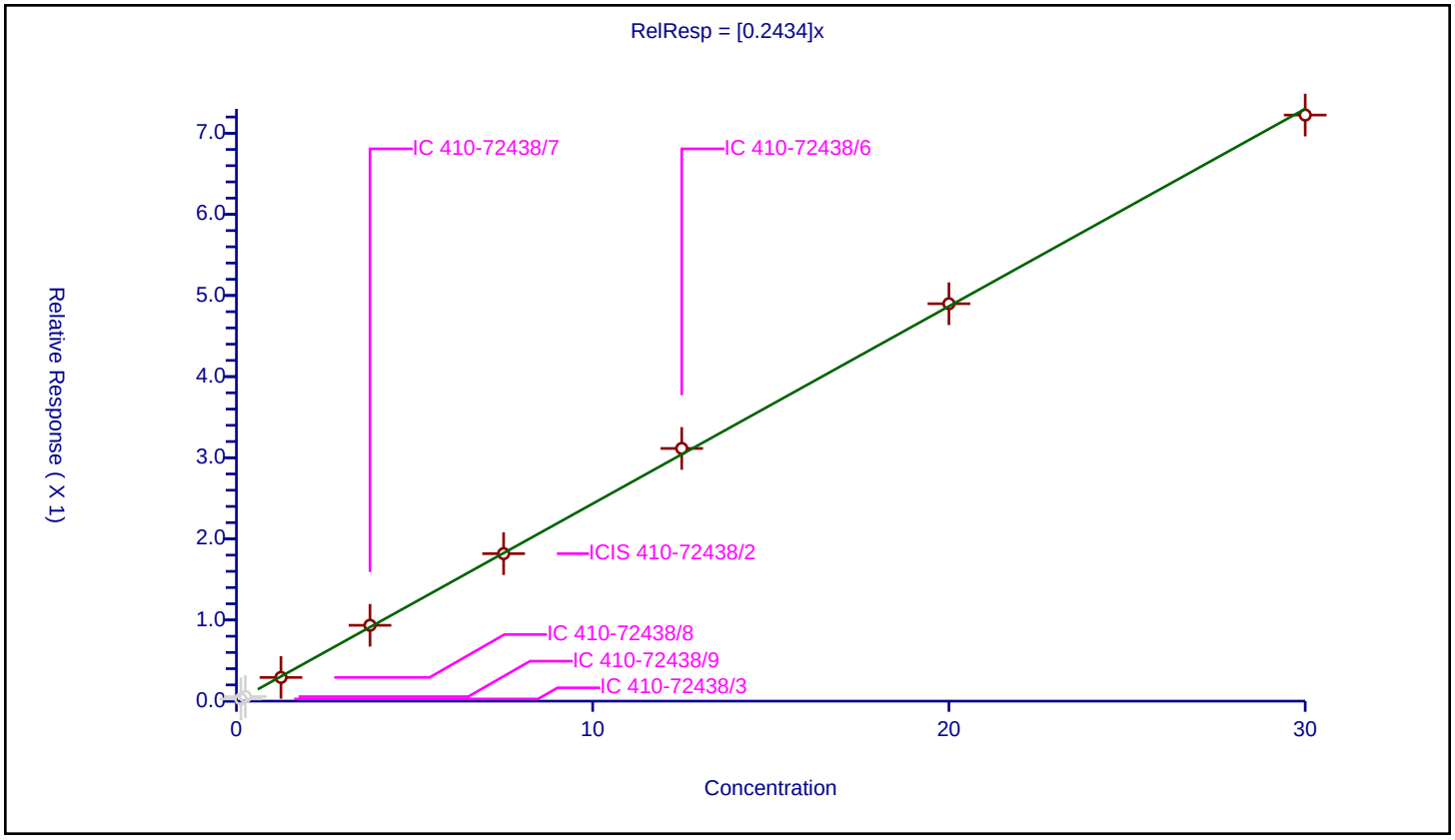
Curve Coefficients

Intercept:	0
Slope:	0.2434

Error Coefficients

Standard Error:	519000
Relative Standard Error:	2.4
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.0267	5.0	612356.0	0.213601	N
2	IC 410-72438/9	0.25	0.055698	5.0	635118.0	0.222793	N
3	IC 410-72438/8	1.25	0.291944	5.0	622156.0	0.233556	Y
4	IC 410-72438/7	3.75	0.934817	5.0	603610.0	0.249285	Y
5	ICIS 410-72438/2	7.5	1.817854	5.0	617481.0	0.24238	Y
6	IC 410-72438/6	12.5	3.114632	5.0	732711.0	0.249171	Y
7	IC 410-72438/5	20.0	4.898672	5.0	594900.0	0.244934	Y
8	IC 410-72438/4	30.0	7.224178	5.0	593534.0	0.240806	Y



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

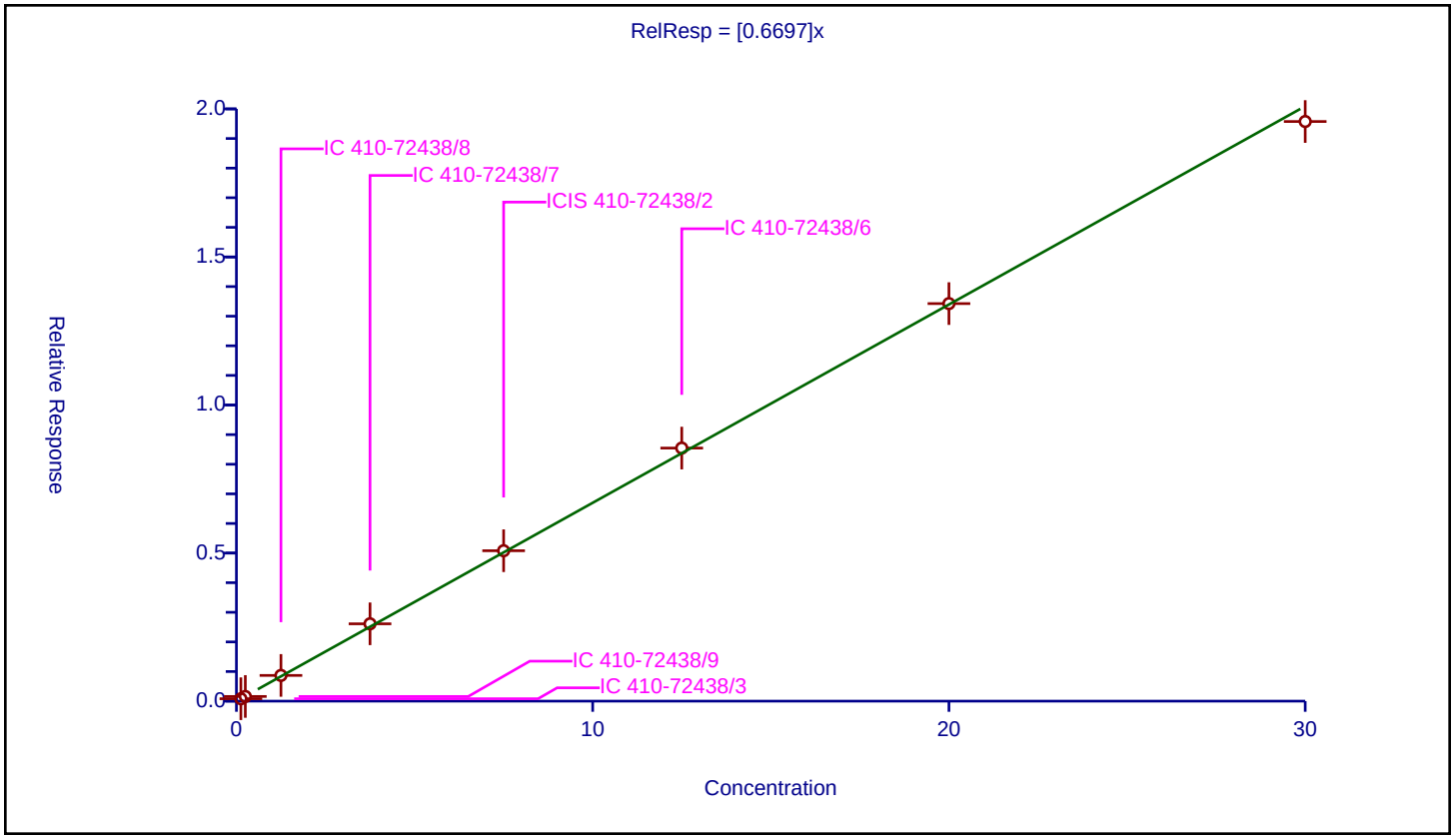
Curve Coefficients

Intercept:	0
Slope:	0.6697

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	3.5
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.081325	5.0	612356.0	0.650602	Y
2	IC 410-72438/9	0.25	0.157758	5.0	635118.0	0.631032	Y
3	IC 410-72438/8	1.25	0.868689	5.0	622156.0	0.694951	Y
4	IC 410-72438/7	3.75	2.611844	5.0	603610.0	0.696492	Y
5	ICIS 410-72438/2	7.5	5.079168	5.0	617481.0	0.677222	Y
6	IC 410-72438/6	12.5	8.546248	5.0	732711.0	0.6837	Y
7	IC 410-72438/5	20.0	13.425551	5.0	594900.0	0.671278	Y
8	IC 410-72438/4	30.0	19.573714	5.0	593534.0	0.652457	Y



Calibration / 1-Methylnaphthalene

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

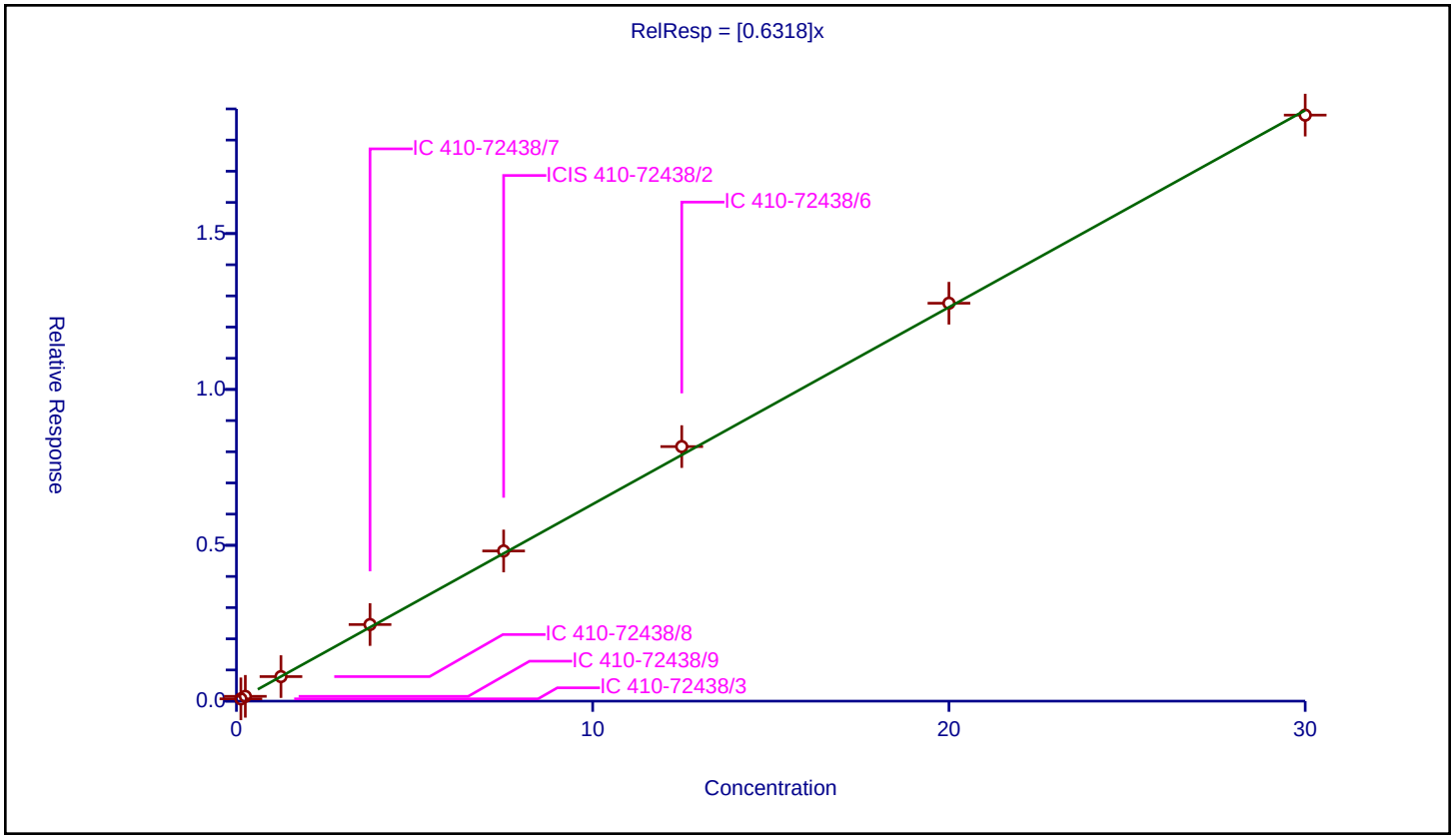
Curve Coefficients

Intercept:	0
Slope:	0.6318

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	3.3
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.073952	5.0	612356.0	0.591617	Y
2	IC 410-72438/9	0.25	0.154302	5.0	635118.0	0.617208	Y
3	IC 410-72438/8	1.25	0.787086	5.0	622156.0	0.629668	Y
4	IC 410-72438/7	3.75	2.457796	5.0	603610.0	0.655412	Y
5	ICIS 410-72438/2	7.5	4.818189	5.0	617481.0	0.642425	Y
6	IC 410-72438/6	12.5	8.166364	5.0	732711.0	0.653309	Y
7	IC 410-72438/5	20.0	12.7657	5.0	594900.0	0.638285	Y
8	IC 410-72438/4	30.0	18.800524	5.0	593534.0	0.626684	Y



Calibration / Hexachlorocyclopentadiene

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

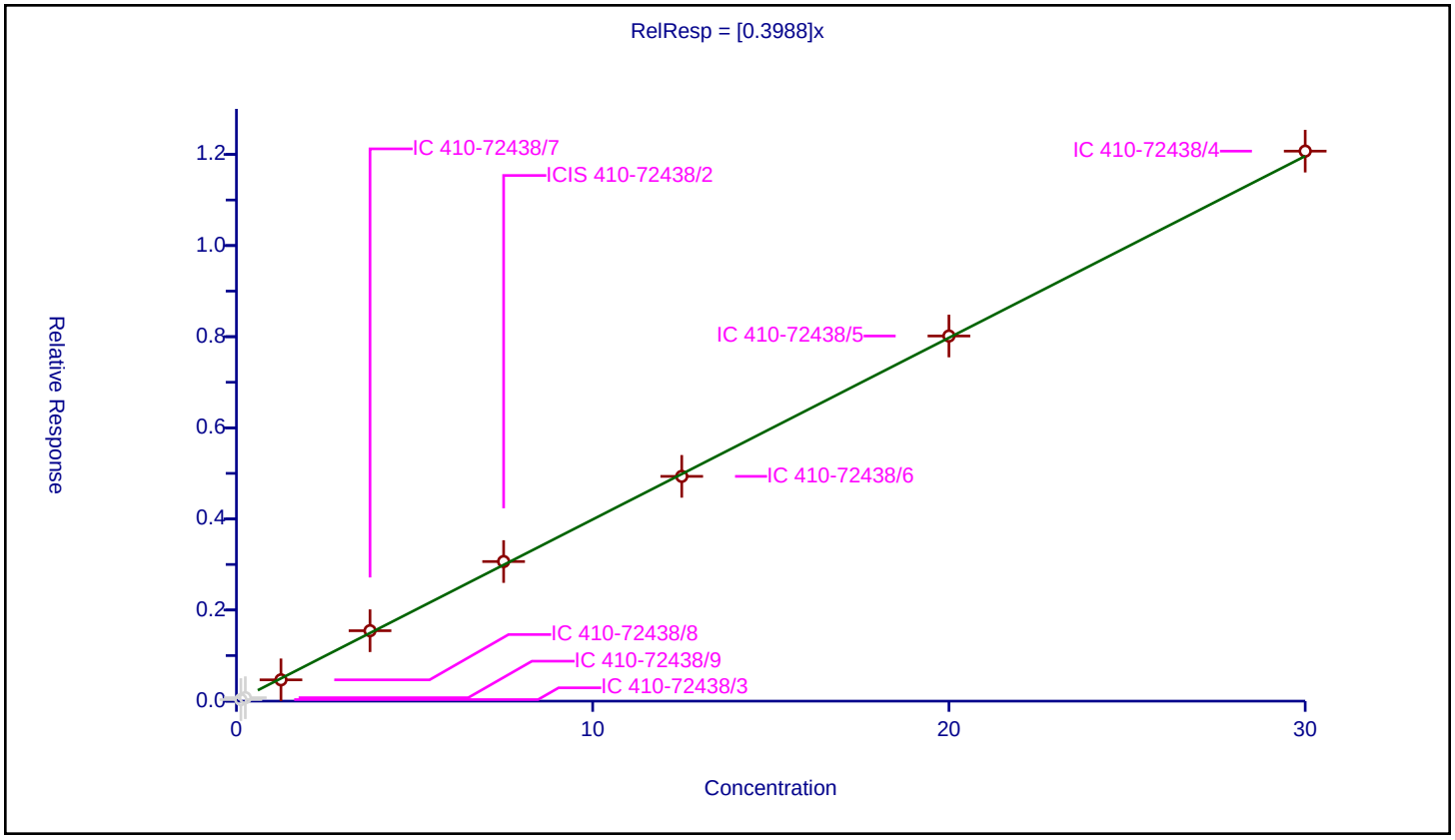
Curve Coefficients

Intercept:	0
Slope:	0.3988

Error Coefficients

Standard Error:	348000
Relative Standard Error:	3.4
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.034345	5.0	257095.0	0.274762	N
2	IC 410-72438/9	0.25	0.07543	5.0	269455.0	0.30172	N
3	IC 410-72438/8	1.25	0.467424	5.0	253881.0	0.373939	Y
4	IC 410-72438/7	3.75	1.546317	5.0	247058.0	0.412351	Y
5	ICIS 410-72438/2	7.5	3.06447	5.0	243897.0	0.408596	Y
6	IC 410-72438/6	12.5	4.933938	5.0	304031.0	0.394715	Y
7	IC 410-72438/5	20.0	8.015155	5.0	246853.0	0.400758	Y
8	IC 410-72438/4	30.0	12.07263	5.0	238318.0	0.402421	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

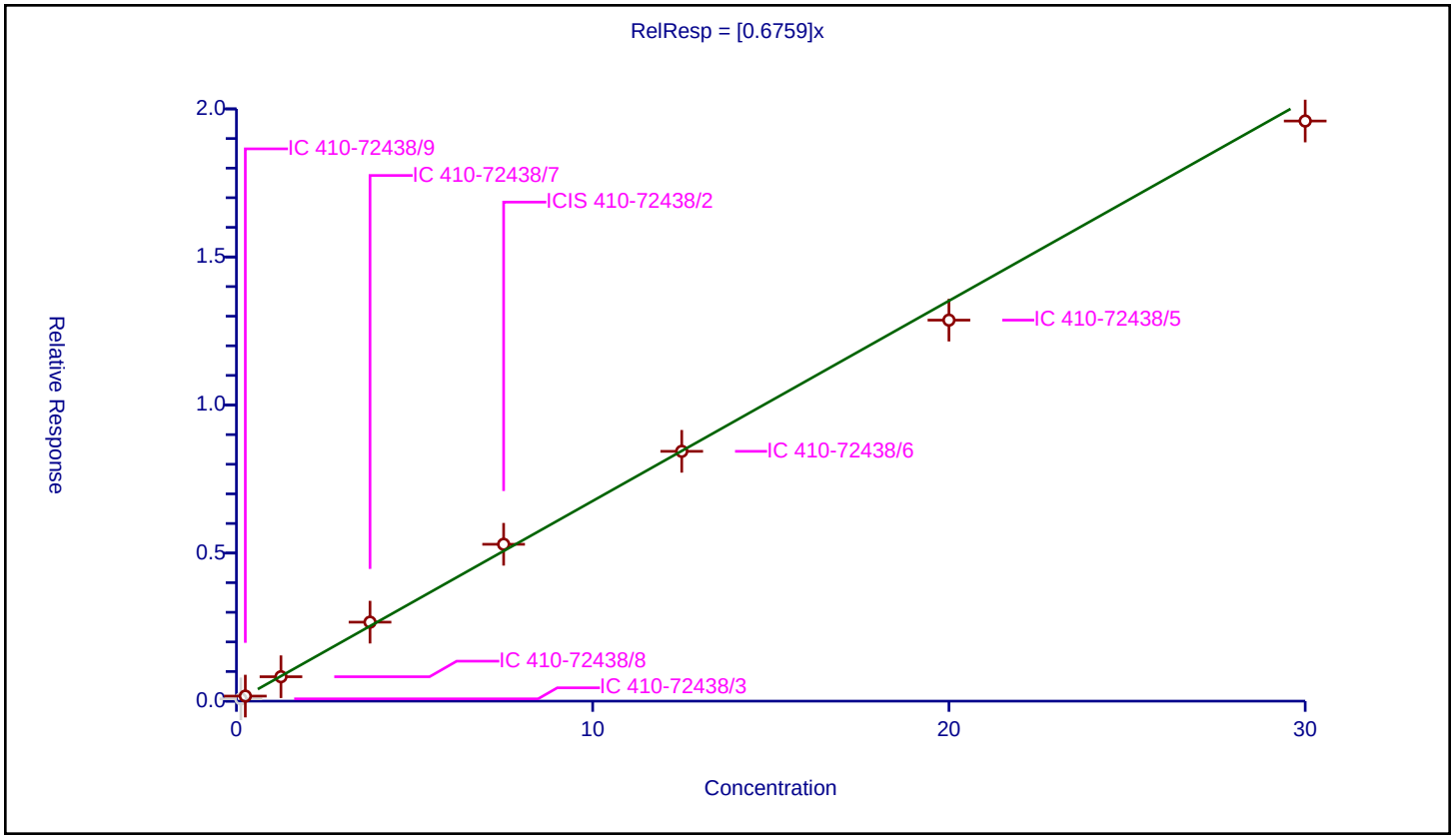
Curve Coefficients

Intercept:	0
Slope:	0.6759

Error Coefficients

Standard Error:	520000
Relative Standard Error:	3.9
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.078103	5.0	257095.0	0.624827	N
2	IC 410-72438/9	0.25	0.170826	5.0	269455.0	0.683305	Y
3	IC 410-72438/8	1.25	0.8245	5.0	253881.0	0.6596	Y
4	IC 410-72438/7	3.75	2.667066	5.0	247058.0	0.711218	Y
5	ICIS 410-72438/2	7.5	5.296785	5.0	243897.0	0.706238	Y
6	IC 410-72438/6	12.5	8.436442	5.0	304031.0	0.674915	Y
7	IC 410-72438/5	20.0	12.866787	5.0	246853.0	0.643339	Y
8	IC 410-72438/4	30.0	19.590631	5.0	238318.0	0.653021	Y



Calibration / Isosafrole Peak 1

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

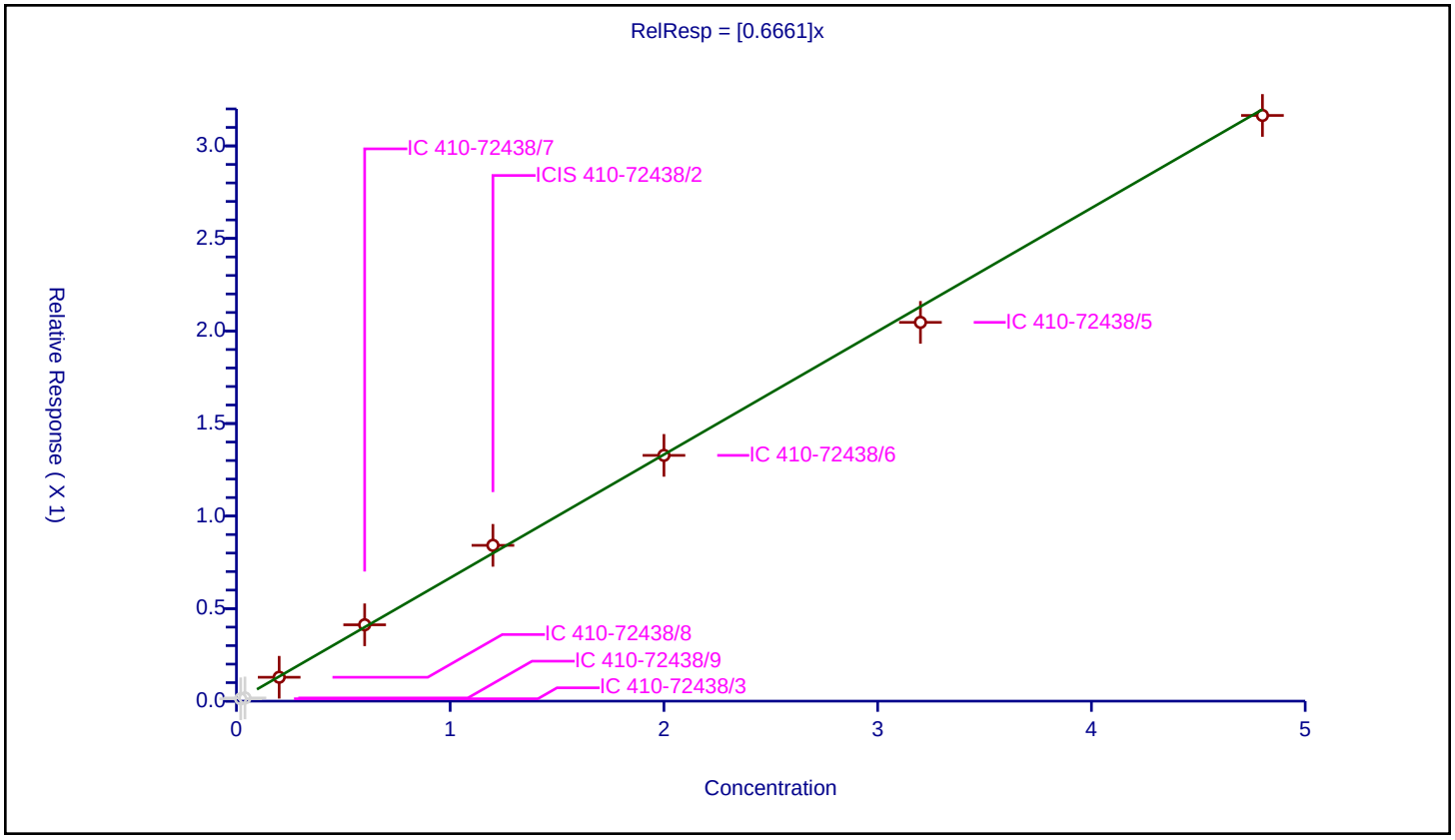
Curve Coefficients

Intercept:	0
Slope:	0.6661

Error Coefficients

Standard Error:	91200
Relative Standard Error:	3.6
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.02	0.012816	5.0	257095.0	0.640814	N
2	IC 410-72438/9	0.04	0.017146	5.0	269455.0	0.428643	N
3	IC 410-72438/8	0.2	0.128958	5.0	253881.0	0.64479	Y
4	IC 410-72438/7	0.6	0.412514	5.0	247058.0	0.687524	Y
5	ICIS 410-72438/2	1.2	0.84179	5.0	243897.0	0.701491	Y
6	IC 410-72438/6	2.0	1.327907	5.0	304031.0	0.663954	Y
7	IC 410-72438/5	3.2	2.046582	5.0	246853.0	0.639557	Y
8	IC 410-72438/4	4.8	3.164637	5.0	238318.0	0.659299	Y



Calibration / 2,4,6-Trichlorophenol

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

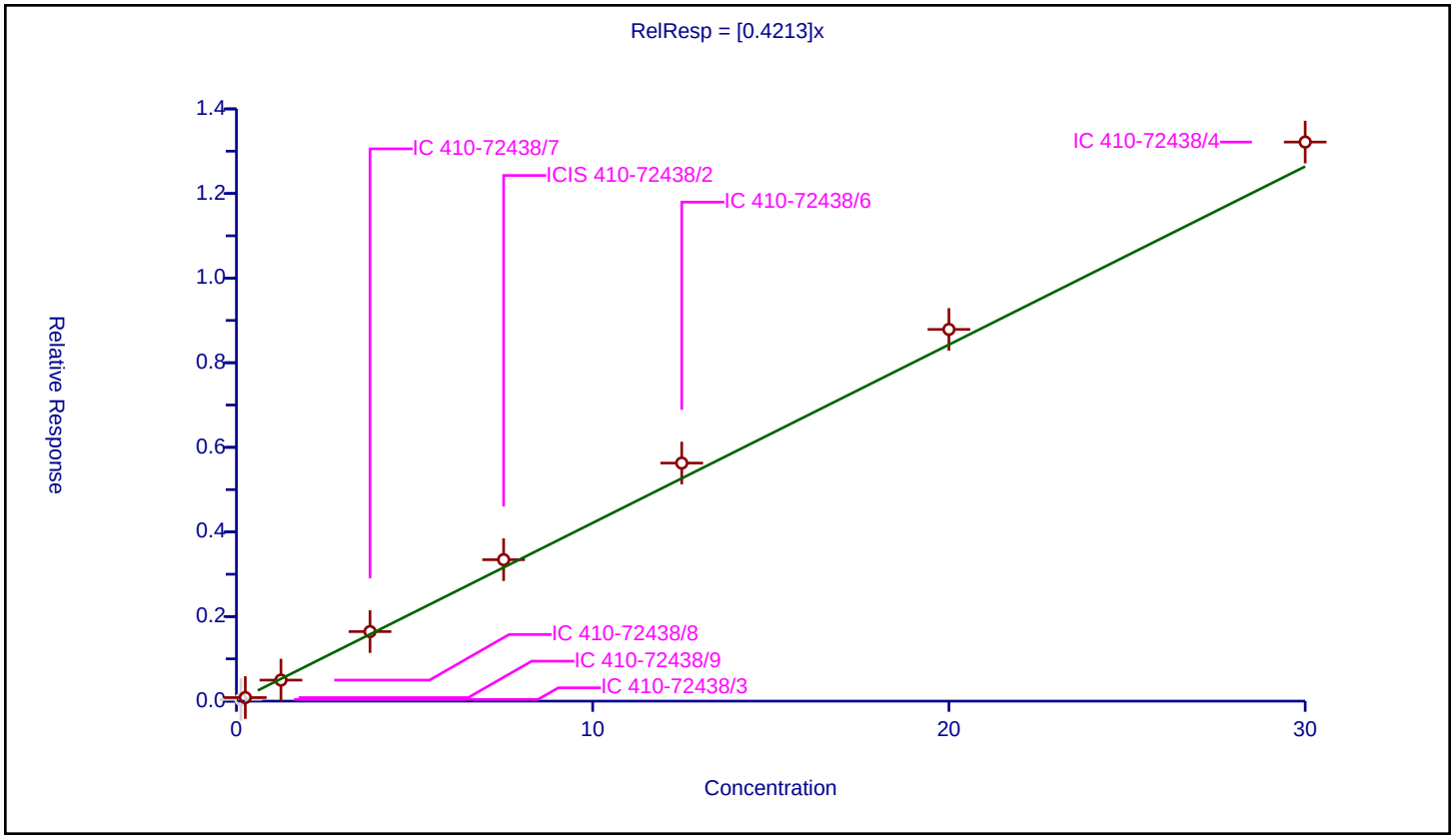
Curve Coefficients

Intercept:	0
Slope:	0.4213

Error Coefficients

Standard Error:	350000
Relative Standard Error:	9.7
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.040744	5.0	257095.0	0.32595	N
2	IC 410-72438/9	0.25	0.084244	5.0	269455.0	0.336976	Y
3	IC 410-72438/8	1.25	0.497339	5.0	253881.0	0.397871	Y
4	IC 410-72438/7	3.75	1.644189	5.0	247058.0	0.43845	Y
5	ICIS 410-72438/2	7.5	3.343502	5.0	243897.0	0.4458	Y
6	IC 410-72438/6	12.5	5.627798	5.0	304031.0	0.450224	Y
7	IC 410-72438/5	20.0	8.786808	5.0	246853.0	0.43934	Y
8	IC 410-72438/4	30.0	13.216354	5.0	238318.0	0.440545	Y



Calibration / 2,4,5-Trichlorophenol

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

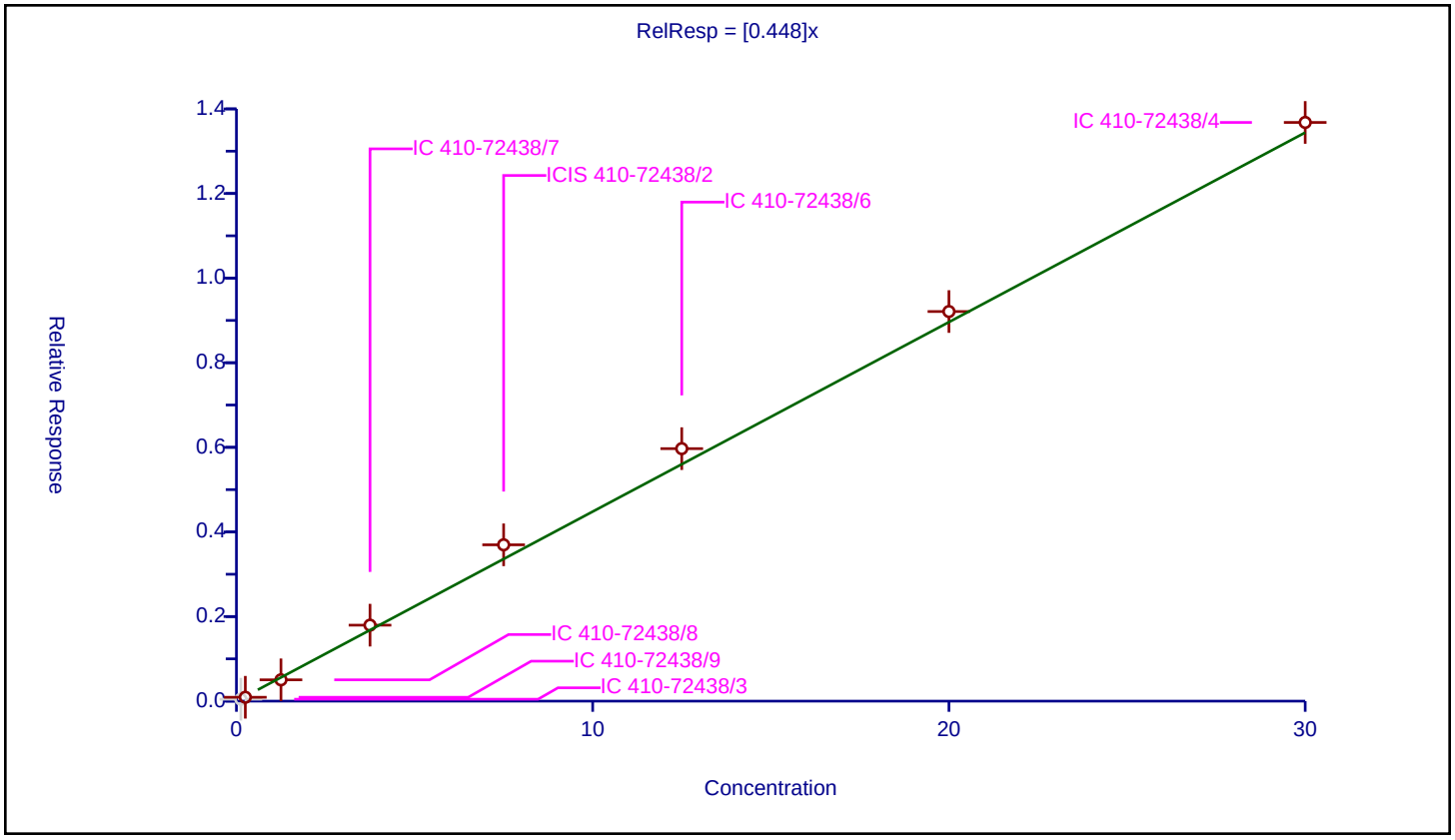
Curve Coefficients

Intercept:	0
Slope:	0.448

Error Coefficients

Standard Error:	366000
Relative Standard Error:	10.2
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.045684	5.0	257095.0	0.365468	N
2	IC 410-72438/9	0.25	0.091834	5.0	269455.0	0.367334	Y
3	IC 410-72438/8	1.25	0.503858	5.0	253881.0	0.403086	Y
4	IC 410-72438/7	3.75	1.795712	5.0	247058.0	0.478857	Y
5	ICIS 410-72438/2	7.5	3.695576	5.0	243897.0	0.492744	Y
6	IC 410-72438/6	12.5	5.969079	5.0	304031.0	0.477526	Y
7	IC 410-72438/5	20.0	9.210117	5.0	246853.0	0.460506	Y
8	IC 410-72438/4	30.0	13.679705	5.0	238318.0	0.45599	Y



Calibration / 2-Fluorobiphenyl (Surr)

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

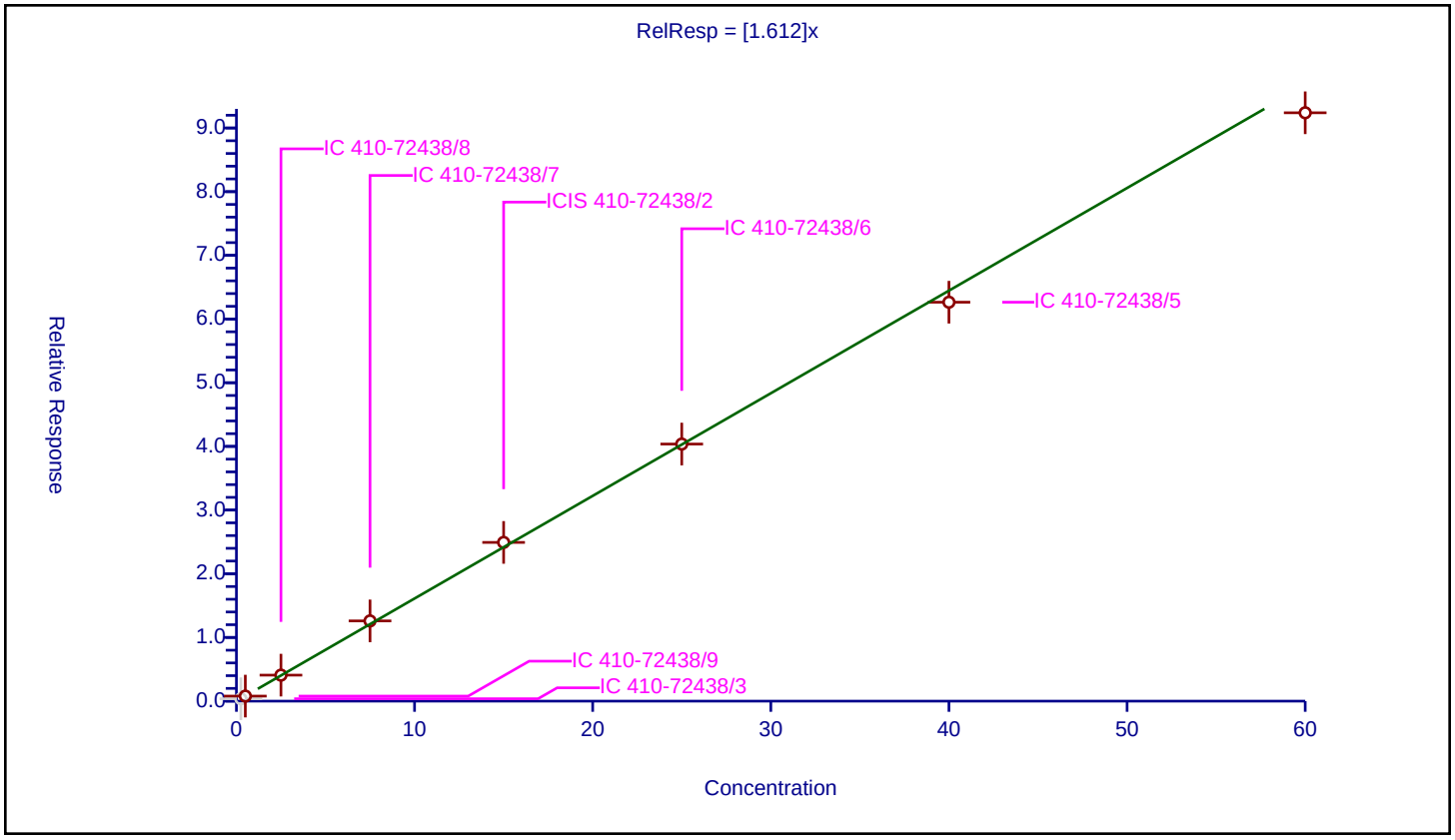
Curve Coefficients

Intercept:	0
Slope:	1.612

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	3.2
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.25	0.377215	5.0	257095.0	1.508859	N
2	IC 410-72438/9	0.5	0.792192	5.0	269455.0	1.584383	Y
3	IC 410-72438/8	2.5	4.086009	5.0	253881.0	1.634404	Y
4	IC 410-72438/7	7.5	12.597265	5.0	247058.0	1.679635	Y
5	ICIS 410-72438/2	15.0	24.924763	5.0	243897.0	1.661651	Y
6	IC 410-72438/6	25.0	40.371409	5.0	304031.0	1.614856	Y
7	IC 410-72438/5	40.0	62.643314	5.0	246853.0	1.566083	Y
8	IC 410-72438/4	60.0	92.389706	5.0	238318.0	1.539828	Y



Calibration / Isosafrole Peak 2

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

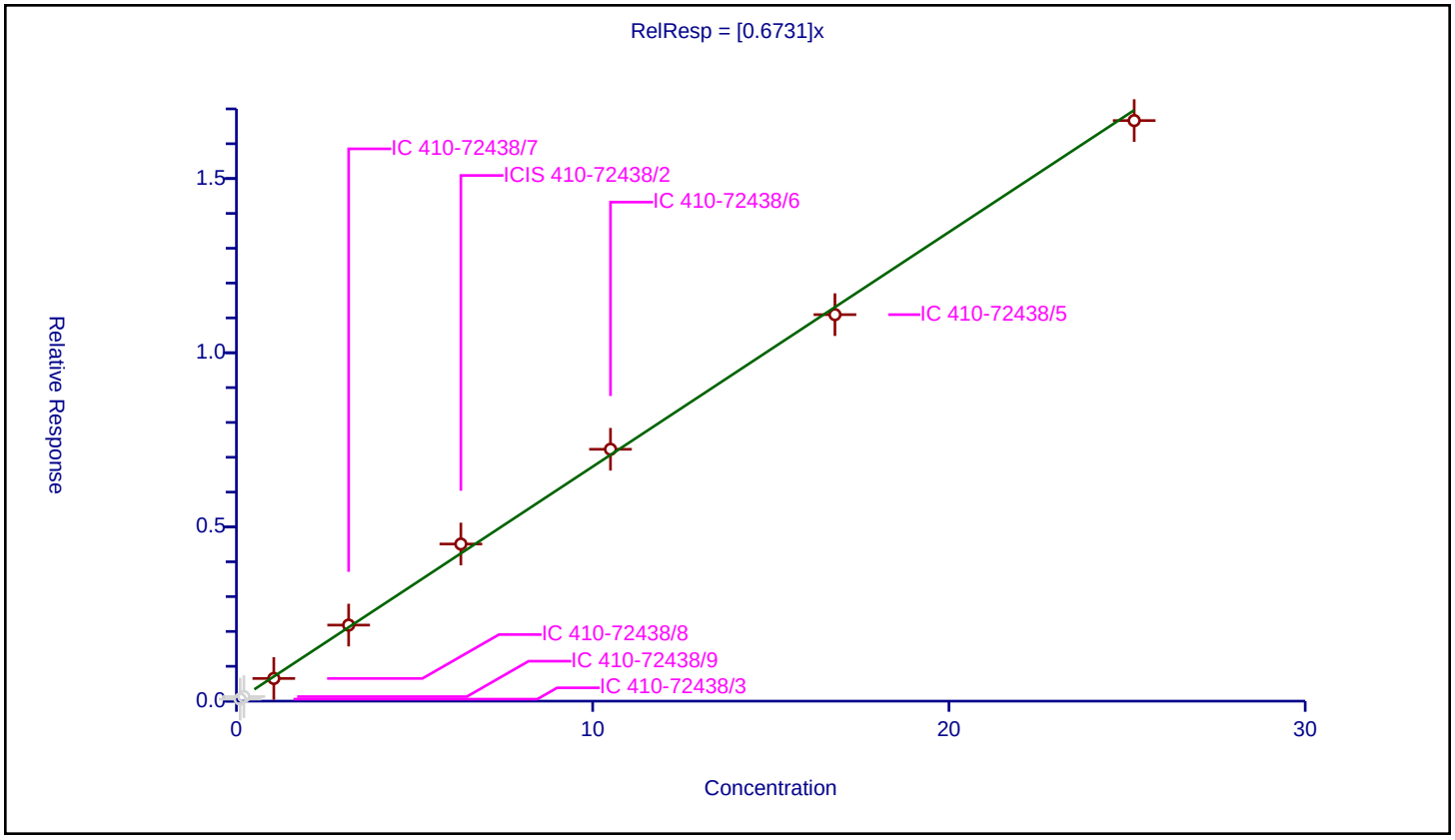
Curve Coefficients

Intercept:	0
Slope:	0.6731

Error Coefficients

Standard Error:	487000
Relative Standard Error:	5.0
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.105	0.058072	5.0	257095.0	0.553066	N
2	IC 410-72438/9	0.21	0.129539	5.0	269455.0	0.616854	N
3	IC 410-72438/8	1.05	0.650817	5.0	253881.0	0.619825	Y
4	IC 410-72438/7	3.15	2.182686	5.0	247058.0	0.692916	Y
5	ICIS 410-72438/2	6.3	4.510408	5.0	243897.0	0.715938	Y
6	IC 410-72438/6	10.5	7.229312	5.0	304031.0	0.688506	Y
7	IC 410-72438/5	16.8	11.094498	5.0	246853.0	0.660387	Y
8	IC 410-72438/4	25.2	16.664457	5.0	238318.0	0.661288	Y



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

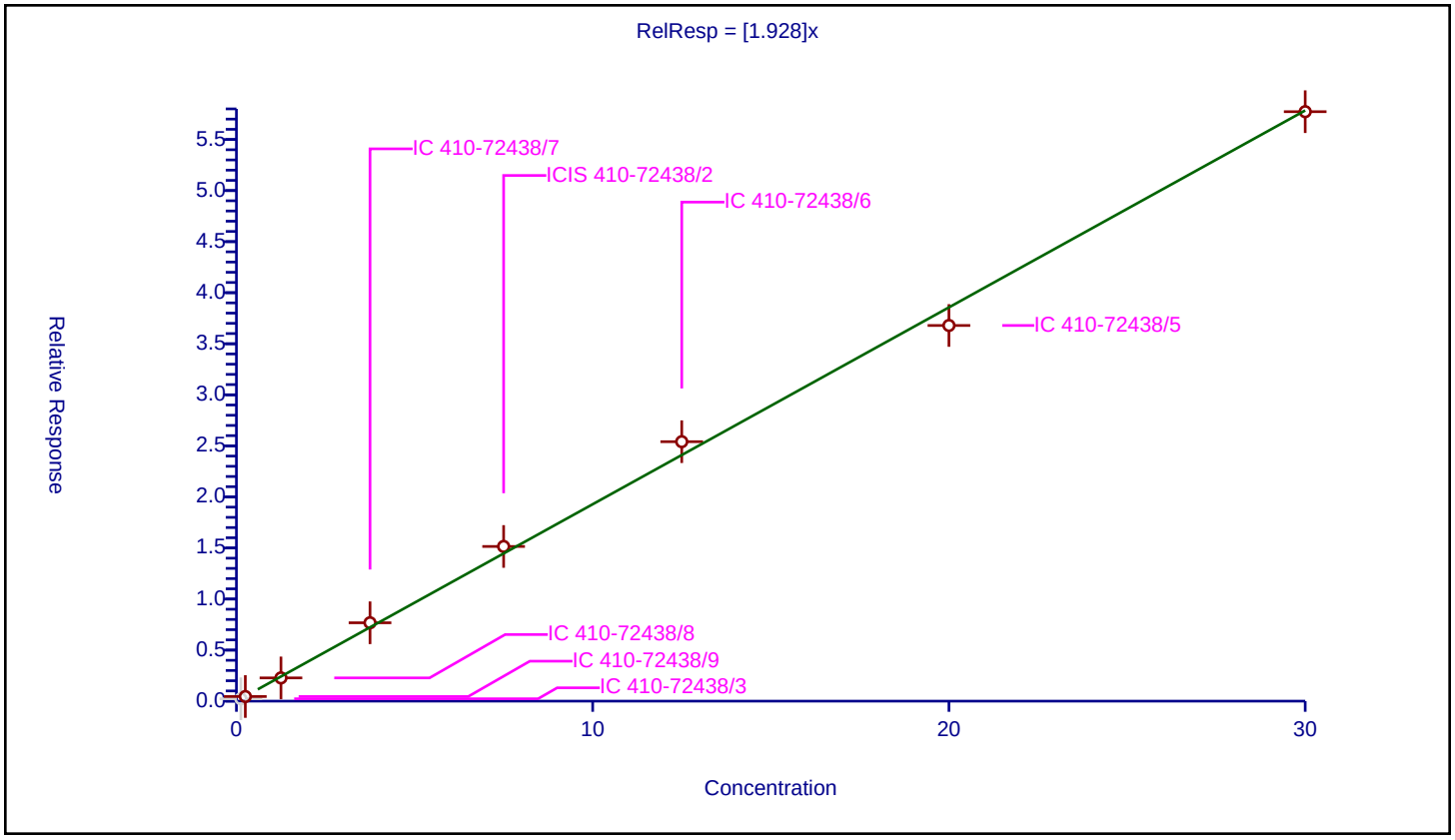
Curve Coefficients

Intercept:	0
Slope:	1.928

Error Coefficients

Standard Error:	1530000
Relative Standard Error:	5.4
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.234019	5.0	257095.0	1.872148	N
2	IC 410-72438/9	0.25	0.453564	5.0	269455.0	1.814255	Y
3	IC 410-72438/8	1.25	2.275082	5.0	253881.0	1.820065	Y
4	IC 410-72438/7	3.75	7.675384	5.0	247058.0	2.046769	Y
5	ICIS 410-72438/2	7.5	15.147972	5.0	243897.0	2.01973	Y
6	IC 410-72438/6	12.5	25.408906	5.0	304031.0	2.032712	Y
7	IC 410-72438/5	20.0	36.788757	5.0	246853.0	1.839438	Y
8	IC 410-72438/4	30.0	57.727008	5.0	238318.0	1.924234	Y



Calibration / 2-Chloronaphthalene

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

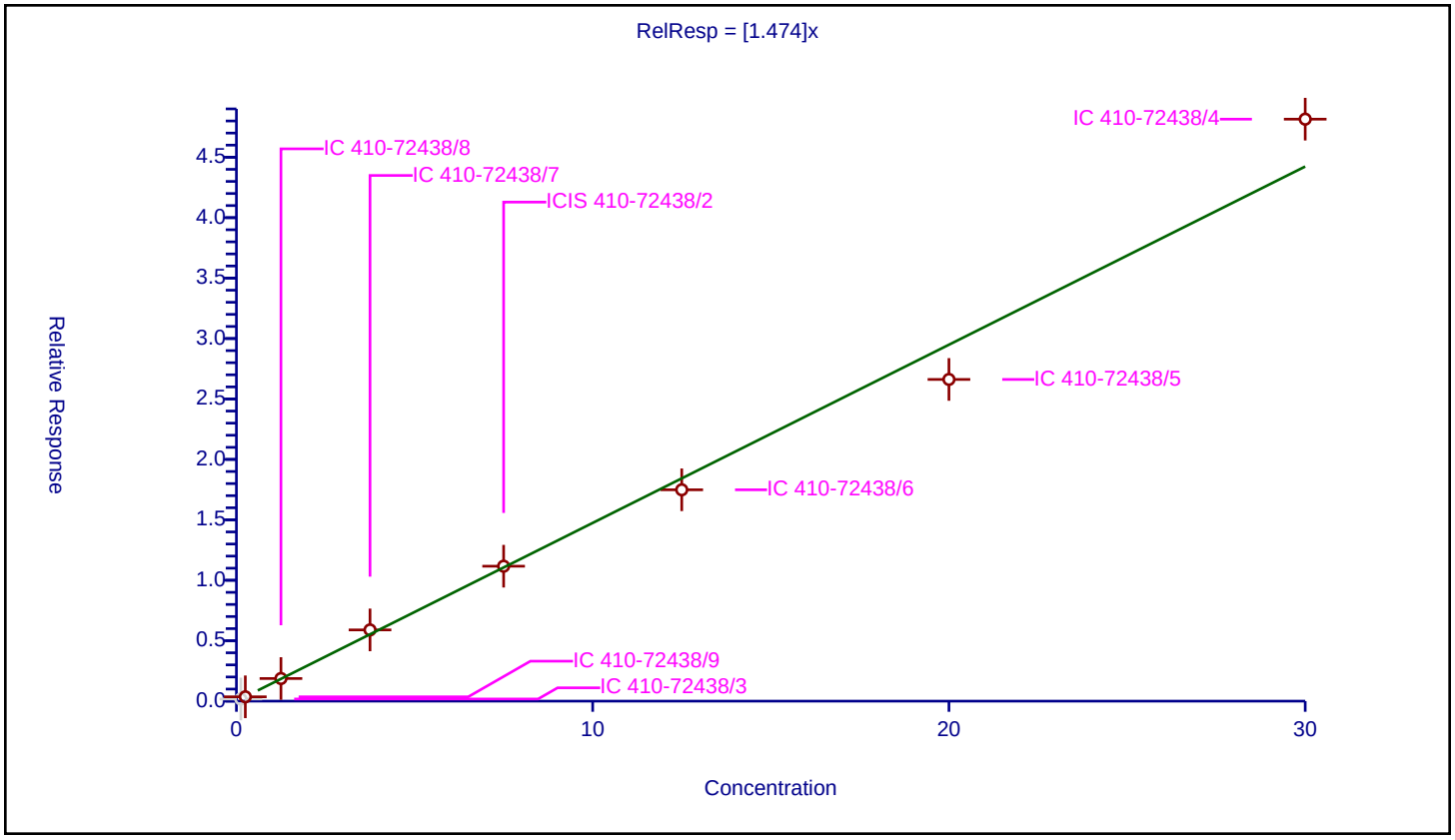
Curve Coefficients

Intercept:	0
Slope:	1.474

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	6.5
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.177755	5.0	257095.0	1.422042	N
2	IC 410-72438/9	0.25	0.357091	5.0	269455.0	1.428365	Y
3	IC 410-72438/8	1.25	1.872058	5.0	253881.0	1.497647	Y
4	IC 410-72438/7	3.75	5.893535	5.0	247058.0	1.571609	Y
5	ICIS 410-72438/2	7.5	11.1642	5.0	243897.0	1.48856	Y
6	IC 410-72438/6	12.5	17.485964	5.0	304031.0	1.398877	Y
7	IC 410-72438/5	20.0	26.616185	5.0	246853.0	1.330809	Y
8	IC 410-72438/4	30.0	48.148503	5.0	238318.0	1.60495	Y



Calibration / 1-Chloronaphthalene

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

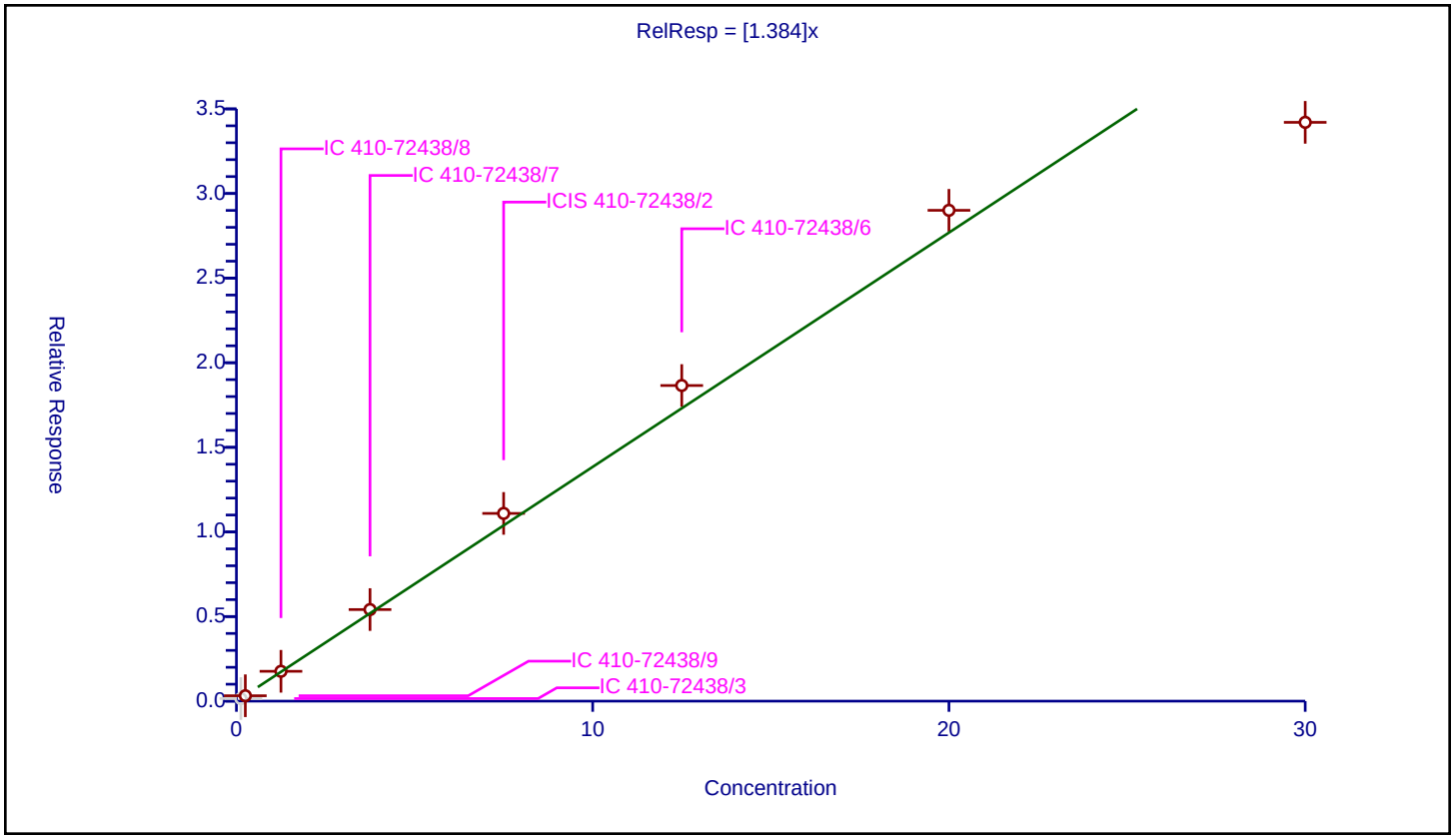
Curve Coefficients

Intercept:	0
Slope:	1.384

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	9.4
Correlation Coefficient:	0.929
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.153017	5.0	257095.0	1.224139	N
2	IC 410-72438/9	0.25	0.318755	5.0	269455.0	1.275018	Y
3	IC 410-72438/8	1.25	1.763208	5.0	253881.0	1.410566	Y
4	IC 410-72438/7	3.75	5.411806	5.0	247058.0	1.443148	Y
5	ICIS 410-72438/2	7.5	11.093822	5.0	243897.0	1.479176	Y
6	IC 410-72438/6	12.5	18.653049	5.0	304031.0	1.492244	Y
7	IC 410-72438/5	20.0	29.006879	5.0	246853.0	1.450344	Y
8	IC 410-72438/4	30.0	34.205473	5.0	238318.0	1.140182	Y



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

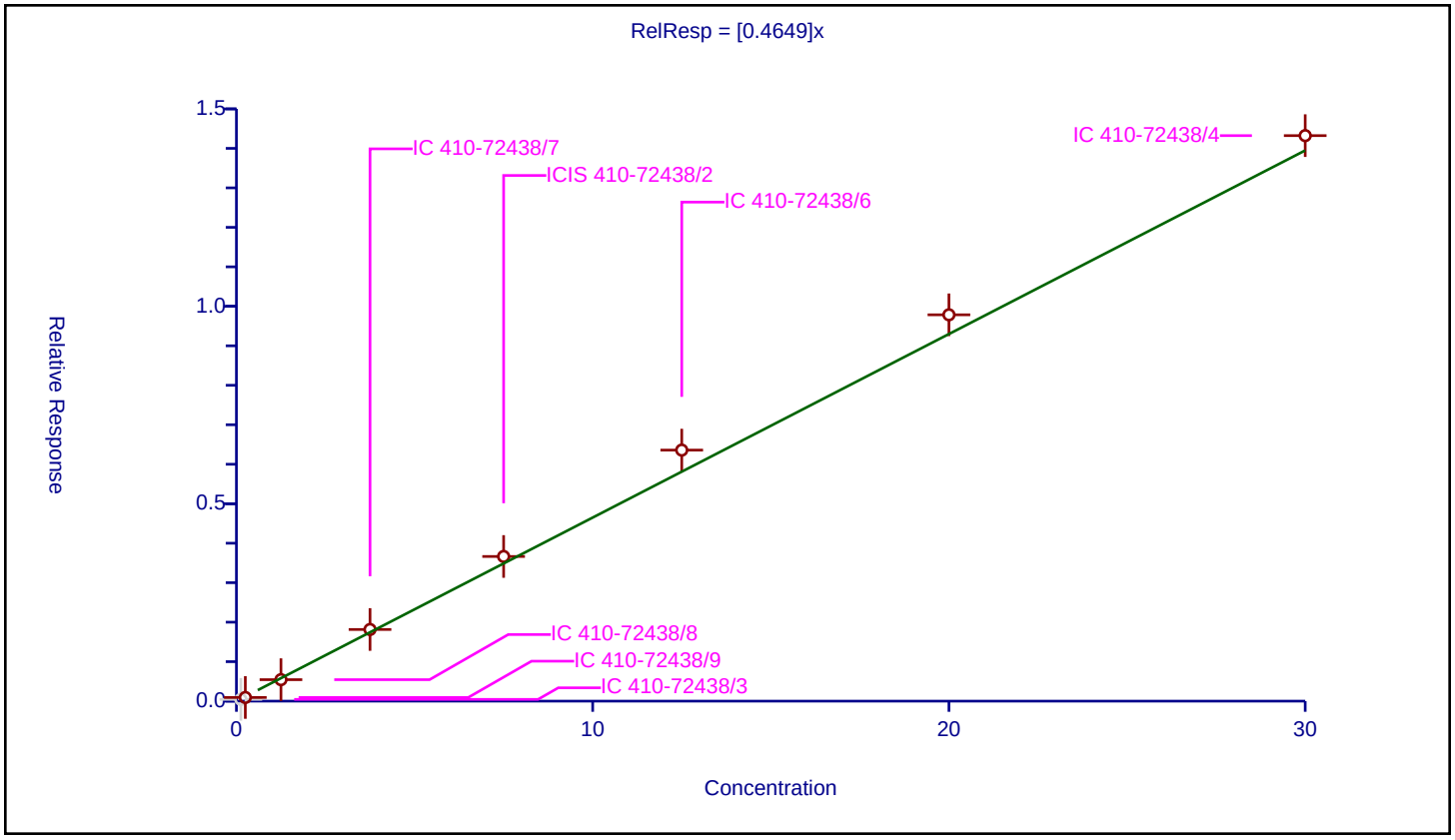
Curve Coefficients

Intercept:	0
Slope:	0.4649

Error Coefficients

Standard Error:	385000
Relative Standard Error:	10.1
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.044847	5.0	257095.0	0.358778	N
2	IC 410-72438/9	0.25	0.092891	5.0	269455.0	0.371565	Y
3	IC 410-72438/8	1.25	0.543916	5.0	253881.0	0.435133	Y
4	IC 410-72438/7	3.75	1.814817	5.0	247058.0	0.483951	Y
5	ICIS 410-72438/2	7.5	3.663596	5.0	243897.0	0.488479	Y
6	IC 410-72438/6	12.5	6.357921	5.0	304031.0	0.508634	Y
7	IC 410-72438/5	20.0	9.785075	5.0	246853.0	0.489254	Y
8	IC 410-72438/4	30.0	14.322628	5.0	238318.0	0.477421	Y



Calibration / Phenyl ether

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

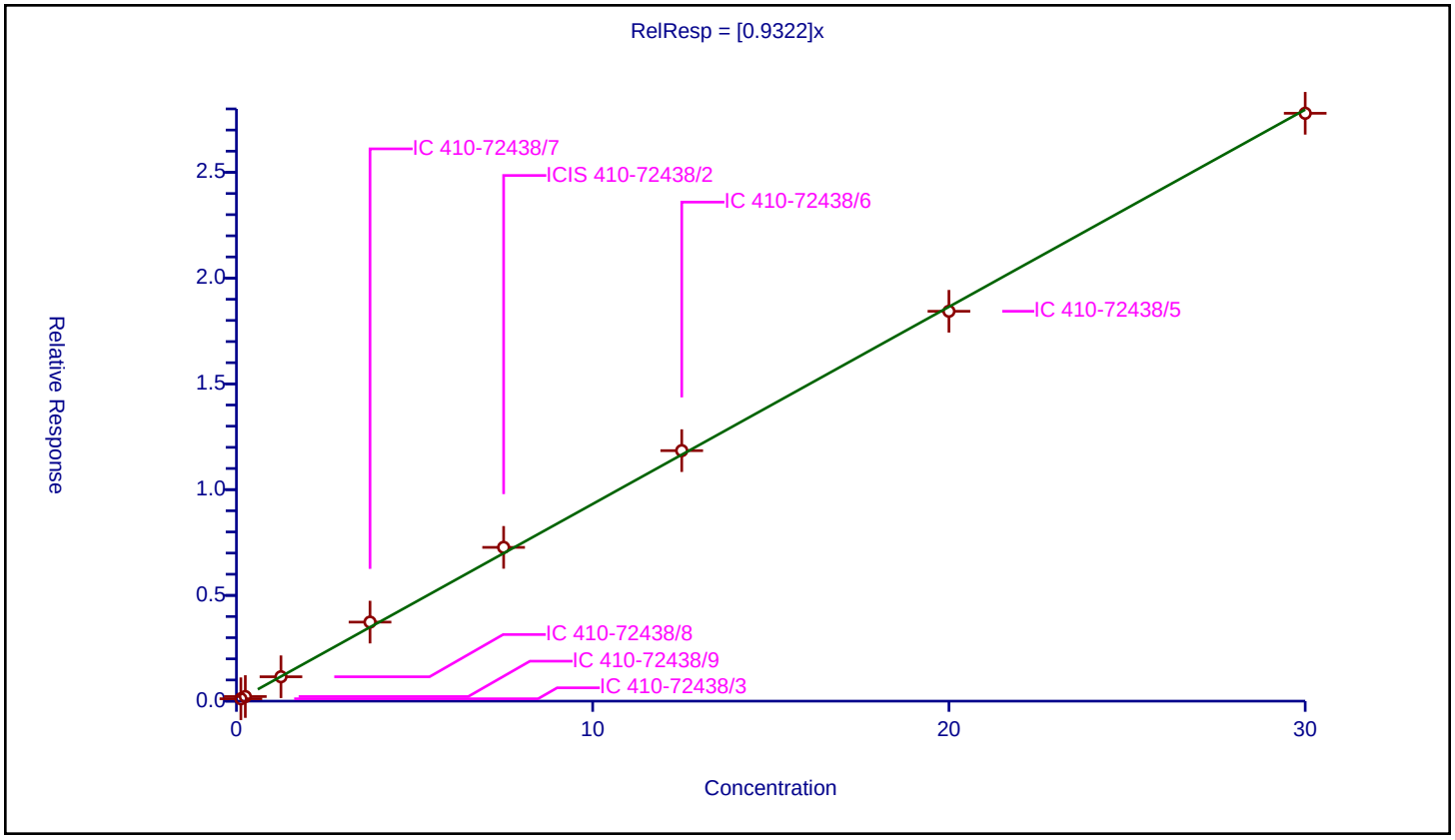
Curve Coefficients

Intercept:	0
Slope:	0.9322

Error Coefficients

Standard Error:	683000
Relative Standard Error:	4.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.113285	5.0	257095.0	0.90628	Y
2	IC 410-72438/9	0.25	0.216882	5.0	269455.0	0.867529	Y
3	IC 410-72438/8	1.25	1.152705	5.0	253881.0	0.922164	Y
4	IC 410-72438/7	3.75	3.736734	5.0	247058.0	0.996462	Y
5	ICIS 410-72438/2	7.5	7.269729	5.0	243897.0	0.969297	Y
6	IC 410-72438/6	12.5	11.843924	5.0	304031.0	0.947514	Y
7	IC 410-72438/5	20.0	18.432083	5.0	246853.0	0.921604	Y
8	IC 410-72438/4	30.0	27.791606	5.0	238318.0	0.926387	Y



Calibration / 1,4-Naphthoquinone

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

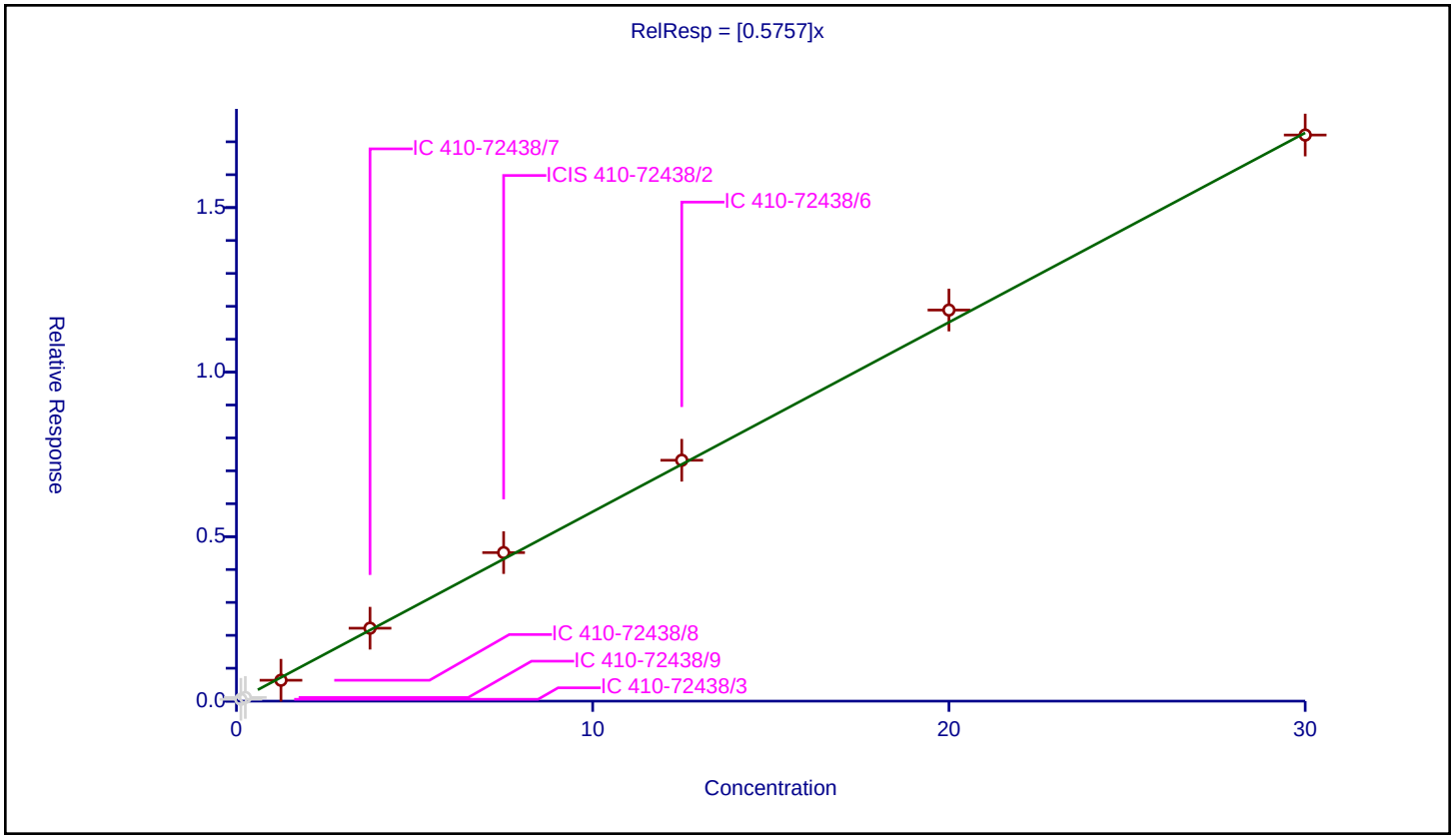
Curve Coefficients

Intercept:	0
Slope:	0.5757

Error Coefficients

Standard Error:	505000
Relative Standard Error:	6.0
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.056458	5.0	257095.0	0.451662	N
2	IC 410-72438/9	0.25	0.11154	5.0	269455.0	0.44616	N
3	IC 410-72438/8	1.25	0.634707	5.0	253881.0	0.507765	Y
4	IC 410-72438/7	3.75	2.216828	5.0	247058.0	0.591154	Y
5	ICIS 410-72438/2	7.5	4.514795	5.0	243897.0	0.601973	Y
6	IC 410-72438/6	12.5	7.321013	5.0	304031.0	0.585681	Y
7	IC 410-72438/5	20.0	11.88592	5.0	246853.0	0.594296	Y
8	IC 410-72438/4	30.0	17.205645	5.0	238318.0	0.573522	Y



Calibration / 1,4-Dinitrobenzene

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

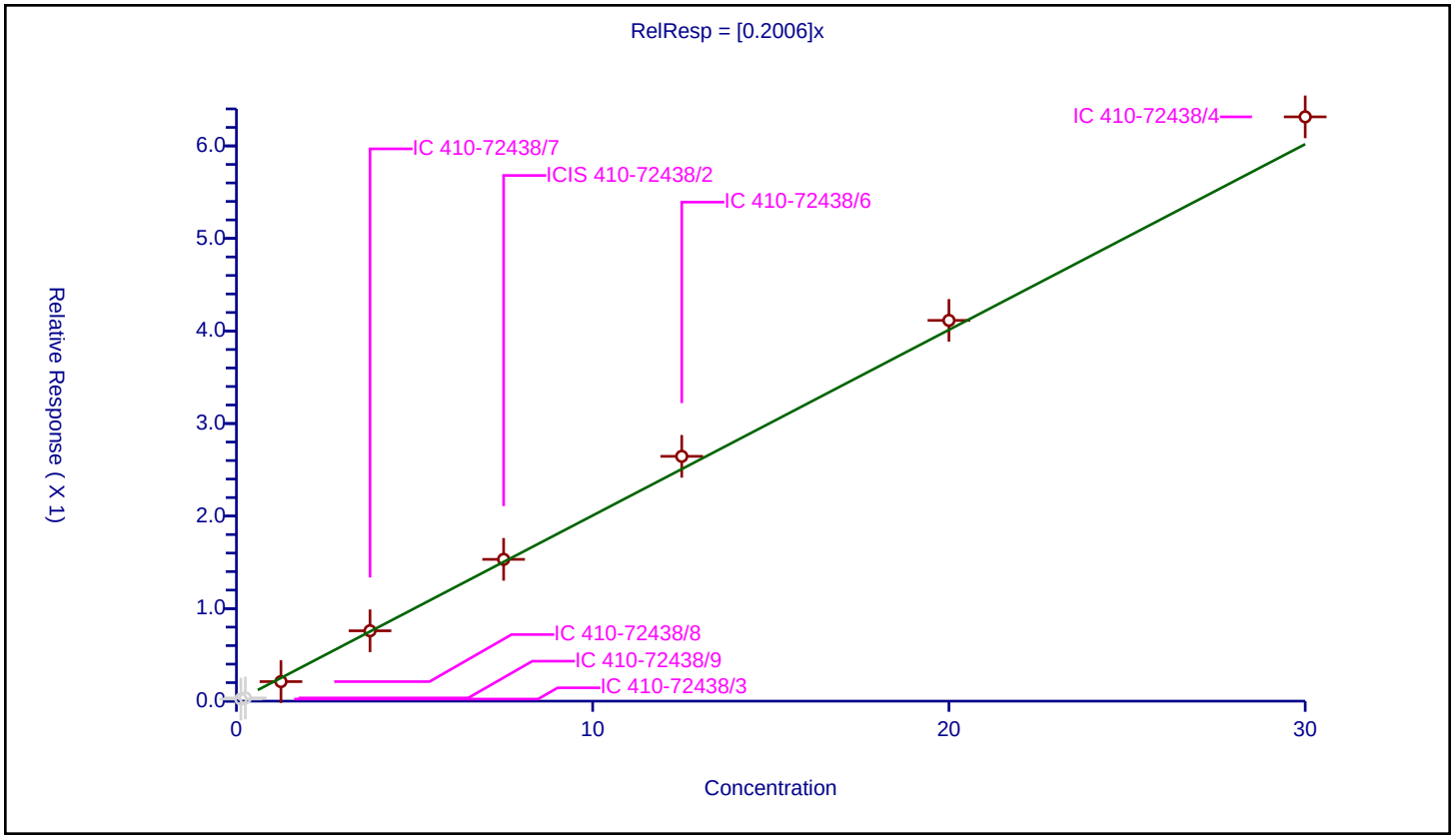
Curve Coefficients

Intercept:	0
Slope:	0.2006

Error Coefficients

Standard Error:	182000
Relative Standard Error:	7.9
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.022735	5.0	257095.0	0.181878	N
2	IC 410-72438/9	0.25	0.0347	5.0	269455.0	0.138799	N
3	IC 410-72438/8	1.25	0.211142	5.0	253881.0	0.168914	Y
4	IC 410-72438/7	3.75	0.760166	5.0	247058.0	0.202711	Y
5	ICIS 410-72438/2	7.5	1.532081	5.0	243897.0	0.204277	Y
6	IC 410-72438/6	12.5	2.645421	5.0	304031.0	0.211634	Y
7	IC 410-72438/5	20.0	4.114574	5.0	246853.0	0.205729	Y
8	IC 410-72438/4	30.0	6.313875	5.0	238318.0	0.210462	Y



Calibration / Dimethyl phthalate

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

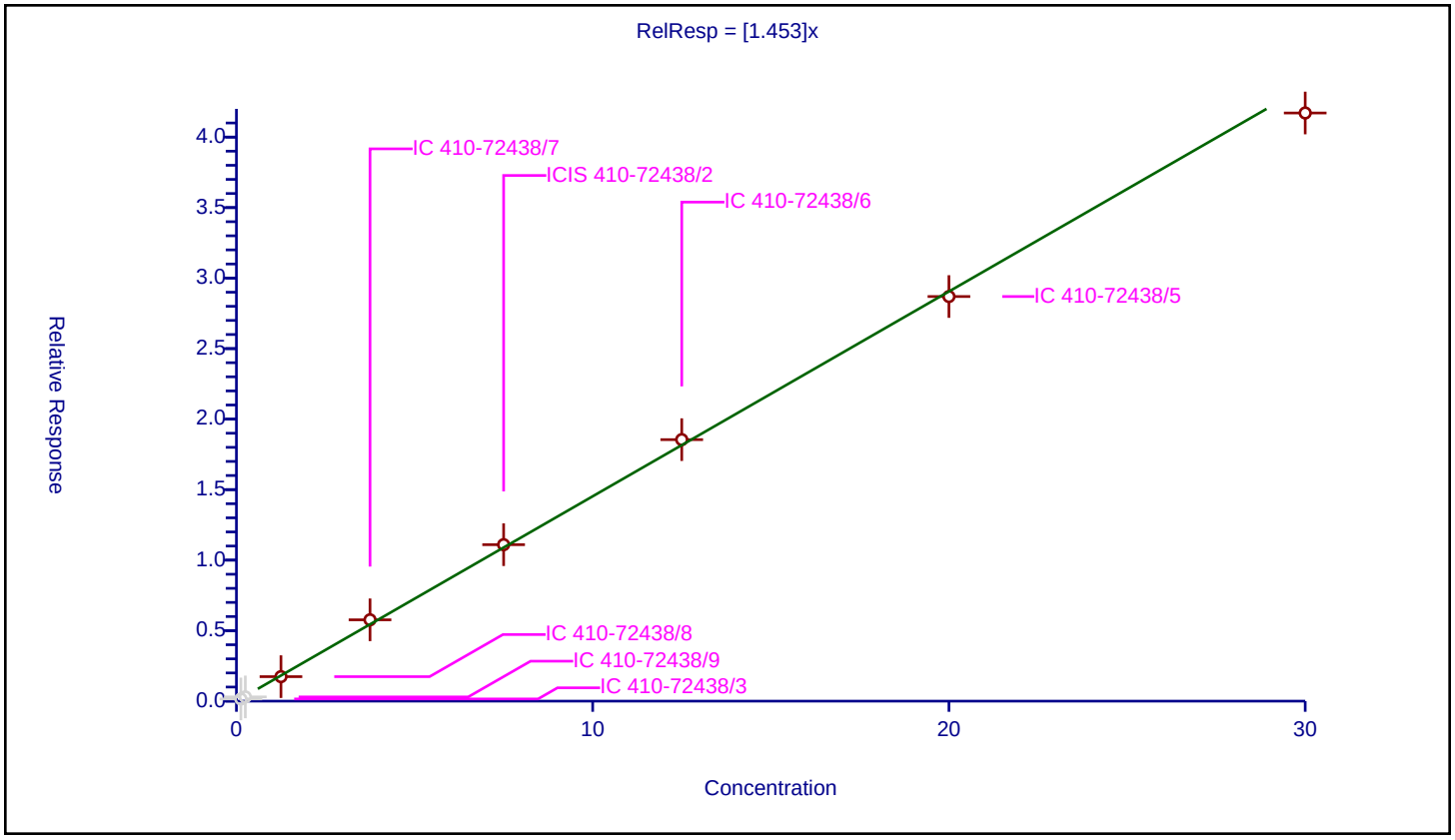
Curve Coefficients

Intercept:	0
Slope:	1.453

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	4.0
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.15646	5.0	257095.0	1.251677	N
2	IC 410-72438/9	0.25	0.299252	5.0	269455.0	1.197009	N
3	IC 410-72438/8	1.25	1.736562	5.0	253881.0	1.389249	Y
4	IC 410-72438/7	3.75	5.767978	5.0	247058.0	1.538127	Y
5	ICIS 410-72438/2	7.5	11.095093	5.0	243897.0	1.479346	Y
6	IC 410-72438/6	12.5	18.545954	5.0	304031.0	1.483676	Y
7	IC 410-72438/5	20.0	28.692562	5.0	246853.0	1.434628	Y
8	IC 410-72438/4	30.0	41.70969	5.0	238318.0	1.390323	Y



Calibration / 1,3-Dinitrobenzene

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

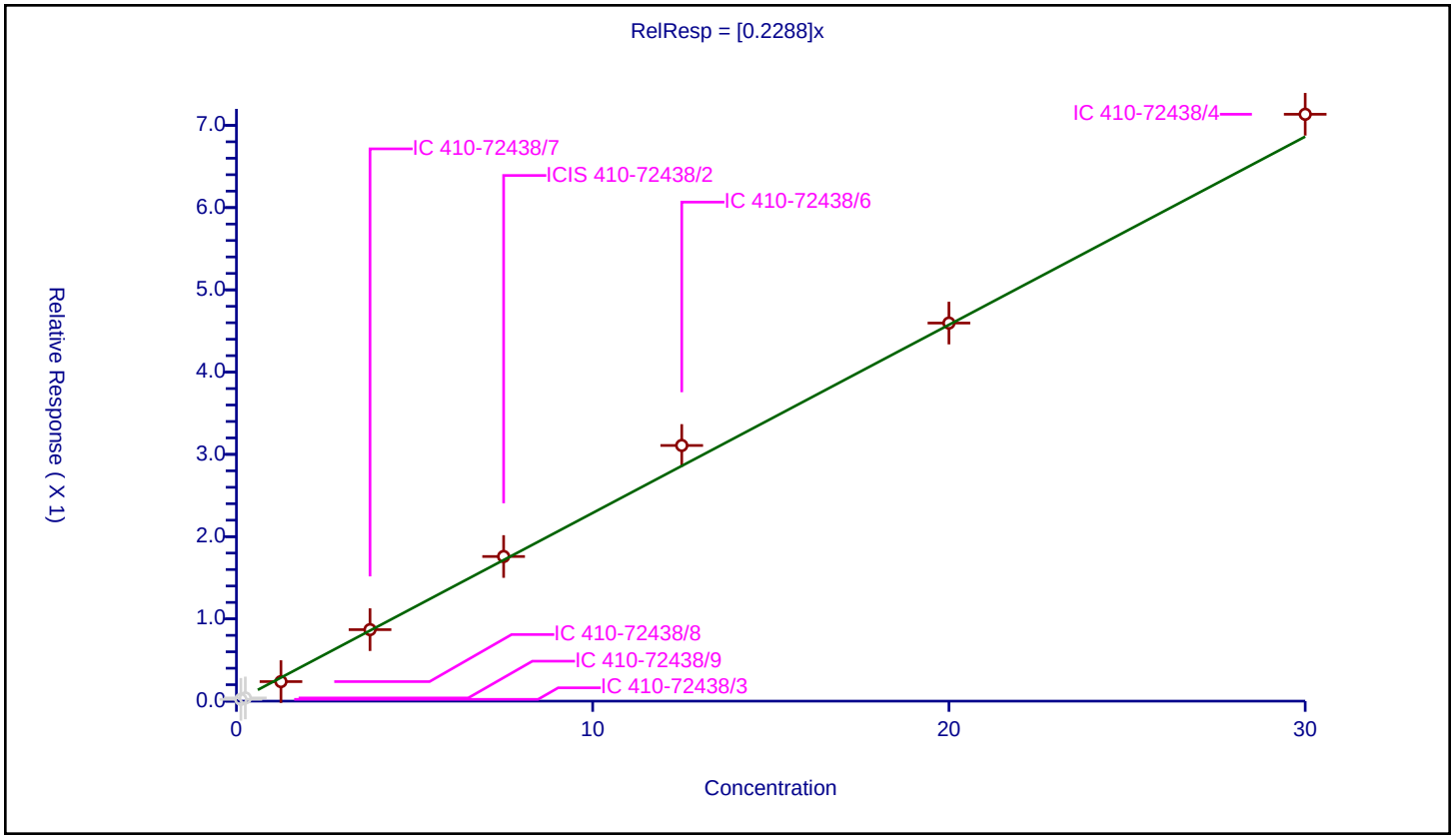
Curve Coefficients

Intercept:	0
Slope:	0.2288

Error Coefficients

Standard Error:	206000
Relative Standard Error:	8.8
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.021976	5.0	257095.0	0.17581	N
2	IC 410-72438/9	0.25	0.038652	5.0	269455.0	0.154608	N
3	IC 410-72438/8	1.25	0.237493	5.0	253881.0	0.189995	Y
4	IC 410-72438/7	3.75	0.86931	5.0	247058.0	0.231816	Y
5	ICIS 410-72438/2	7.5	1.758427	5.0	243897.0	0.234457	Y
6	IC 410-72438/6	12.5	3.108318	5.0	304031.0	0.248665	Y
7	IC 410-72438/5	20.0	4.596379	5.0	246853.0	0.229819	Y
8	IC 410-72438/4	30.0	7.134543	5.0	238318.0	0.237818	Y



Calibration / 2,6-Dinitrotoluene

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

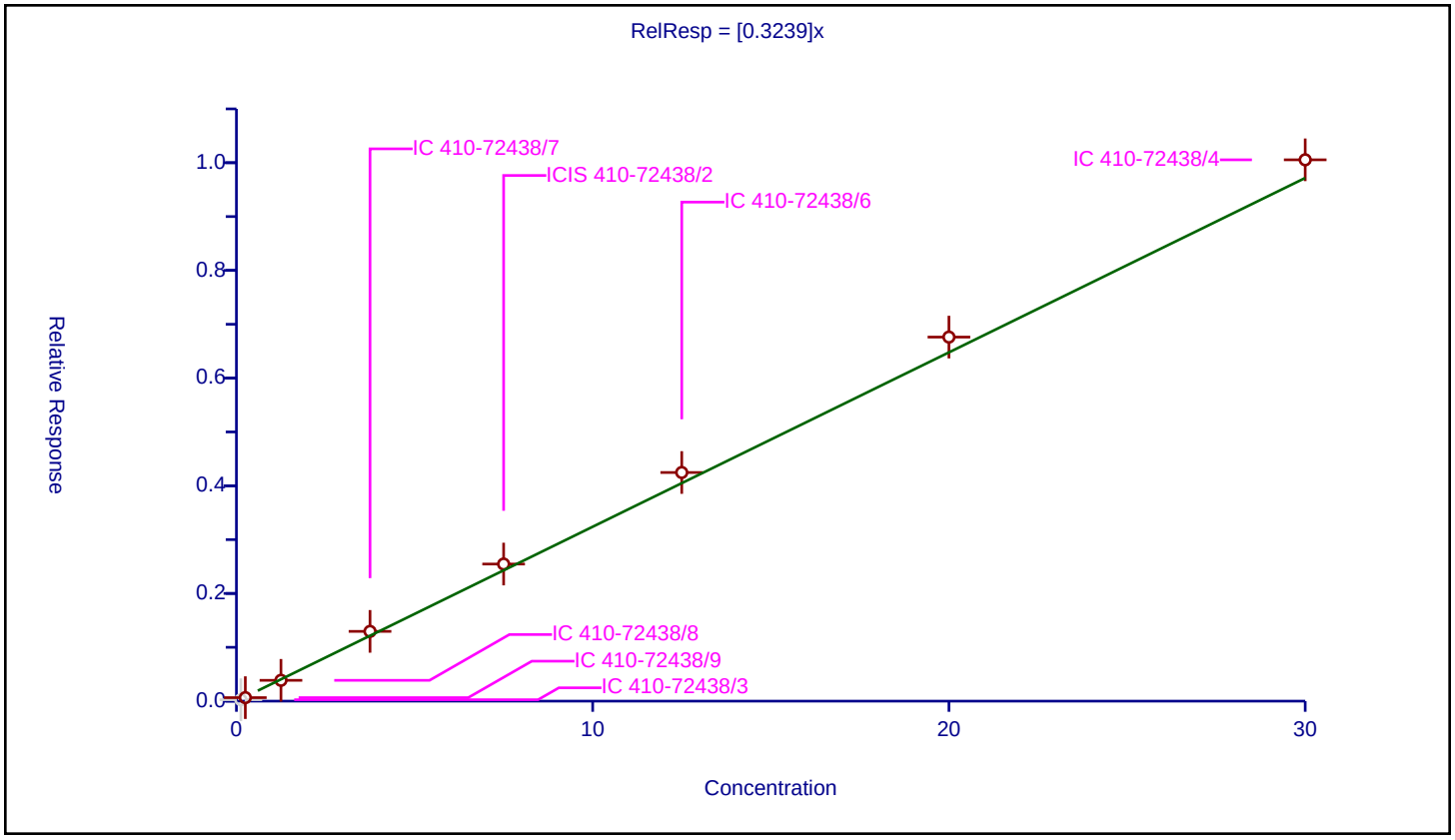
Curve Coefficients

Intercept:	0
Slope:	0.3239

Error Coefficients

Standard Error:	267000
Relative Standard Error:	9.4
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.026469	5.0	257095.0	0.211751	N
2	IC 410-72438/9	0.25	0.064946	5.0	269455.0	0.259784	Y
3	IC 410-72438/8	1.25	0.386776	5.0	253881.0	0.309421	Y
4	IC 410-72438/7	3.75	1.295688	5.0	247058.0	0.345517	Y
5	ICIS 410-72438/2	7.5	2.546444	5.0	243897.0	0.339526	Y
6	IC 410-72438/6	12.5	4.246639	5.0	304031.0	0.339731	Y
7	IC 410-72438/5	20.0	6.761757	5.0	246853.0	0.338088	Y
8	IC 410-72438/4	30.0	10.054339	5.0	238318.0	0.335145	Y



Calibration / Acenaphthylene

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

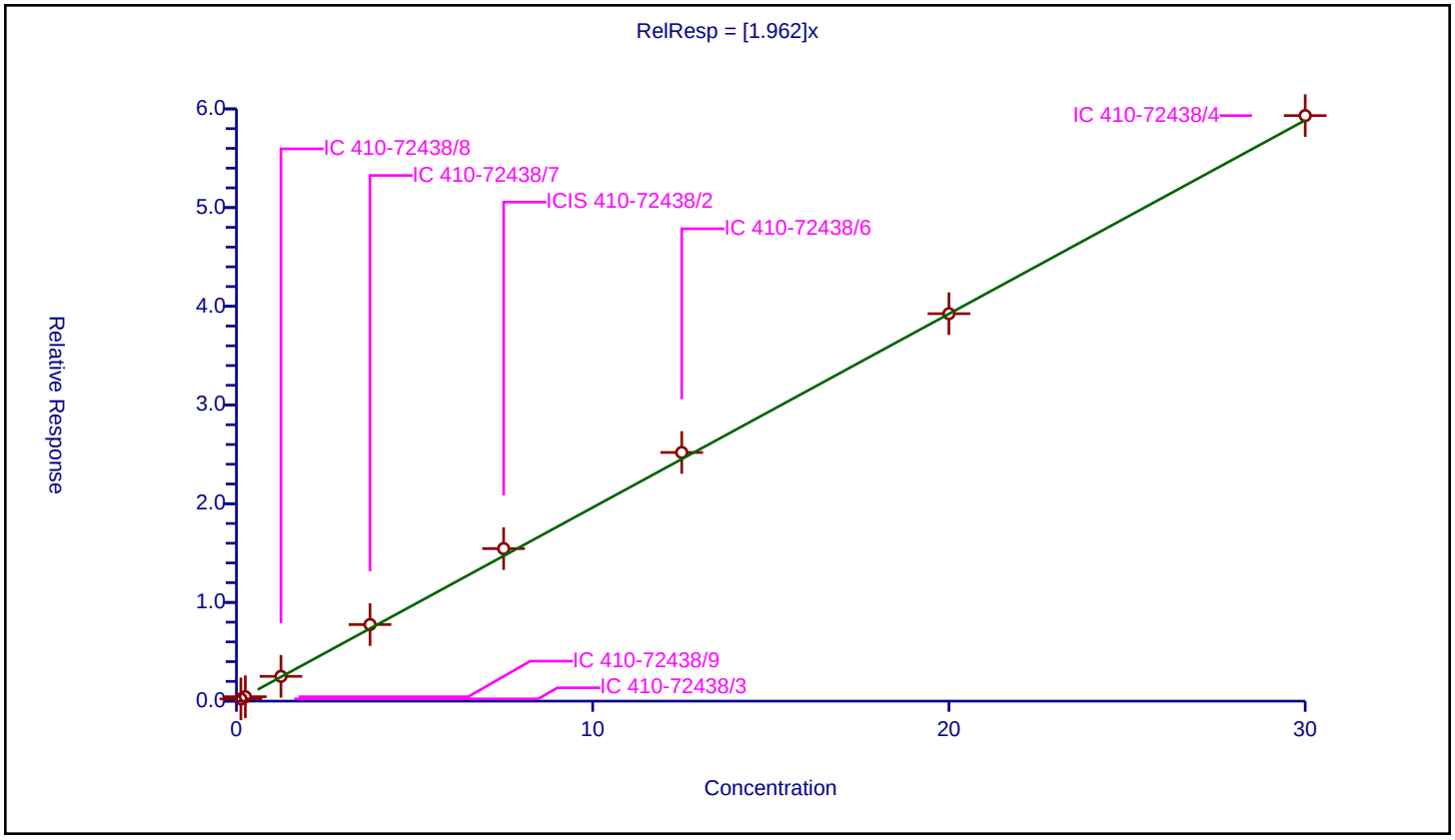
Curve Coefficients

Intercept:	0
Slope:	1.962

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	5.4
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.226473	5.0	257095.0	1.811782	Y
2	IC 410-72438/9	0.25	0.446939	5.0	269455.0	1.787757	Y
3	IC 410-72438/8	1.25	2.511117	5.0	253881.0	2.008894	Y
4	IC 410-72438/7	3.75	7.759716	5.0	247058.0	2.069258	Y
5	ICIS 410-72438/2	7.5	15.452404	5.0	243897.0	2.060321	Y
6	IC 410-72438/6	12.5	25.192086	5.0	304031.0	2.015367	Y
7	IC 410-72438/5	20.0	39.254313	5.0	246853.0	1.962716	Y
8	IC 410-72438/4	30.0	59.318872	5.0	238318.0	1.977296	Y



Calibration / 3-Nitroaniline

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

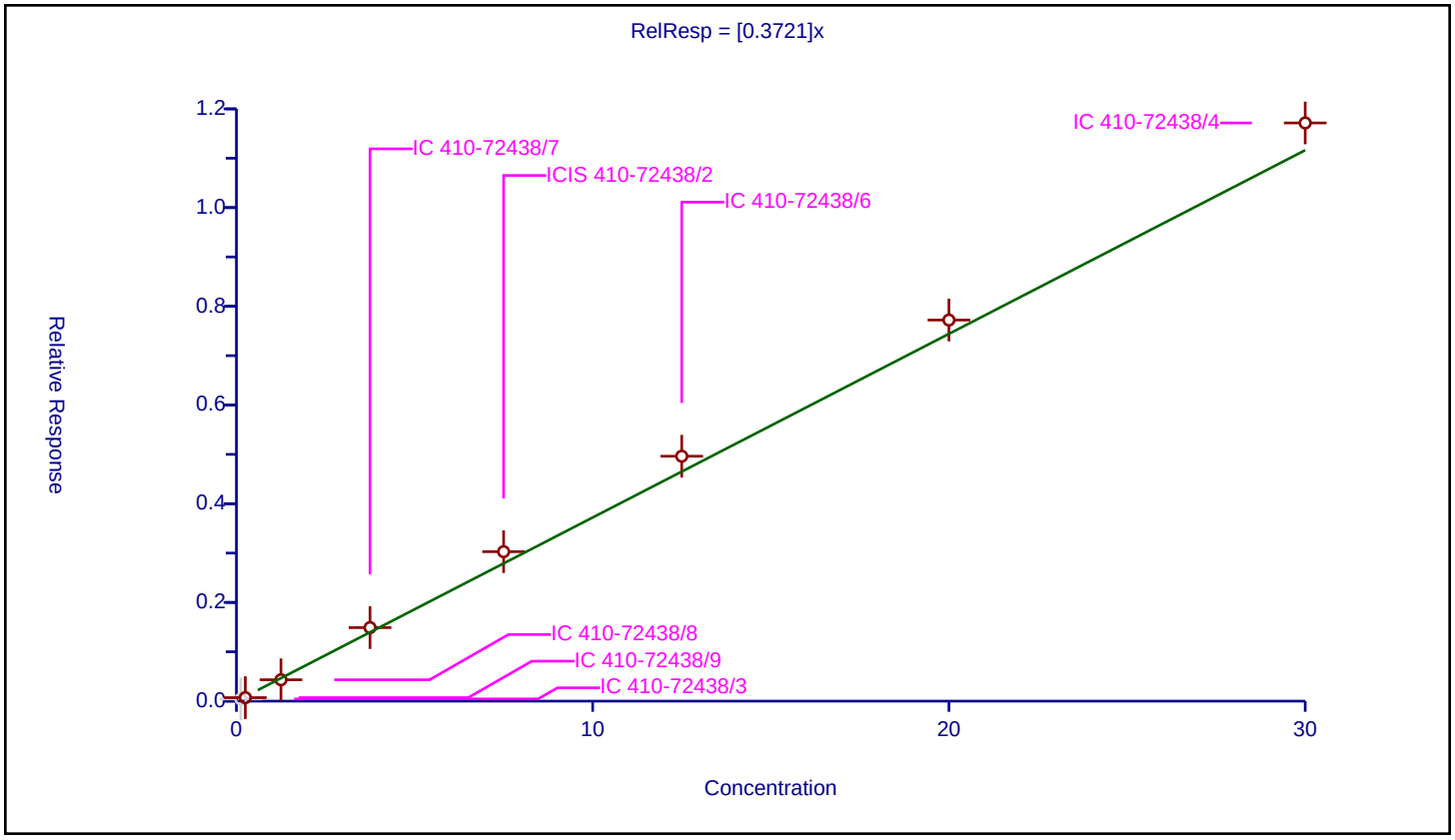
Curve Coefficients

Intercept:	0
Slope:	0.3721

Error Coefficients

Standard Error:	310000
Relative Standard Error:	11.7
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.044458	5.0	257095.0	0.355666	N
2	IC 410-72438/9	0.25	0.070902	5.0	269455.0	0.28361	Y
3	IC 410-72438/8	1.25	0.433057	5.0	253881.0	0.346446	Y
4	IC 410-72438/7	3.75	1.489569	5.0	247058.0	0.397218	Y
5	ICIS 410-72438/2	7.5	3.028266	5.0	243897.0	0.403769	Y
6	IC 410-72438/6	12.5	4.962619	5.0	304031.0	0.39701	Y
7	IC 410-72438/5	20.0	7.721782	5.0	246853.0	0.386089	Y
8	IC 410-72438/4	30.0	11.714998	5.0	238318.0	0.3905	Y



Calibration / Acenaphthene

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

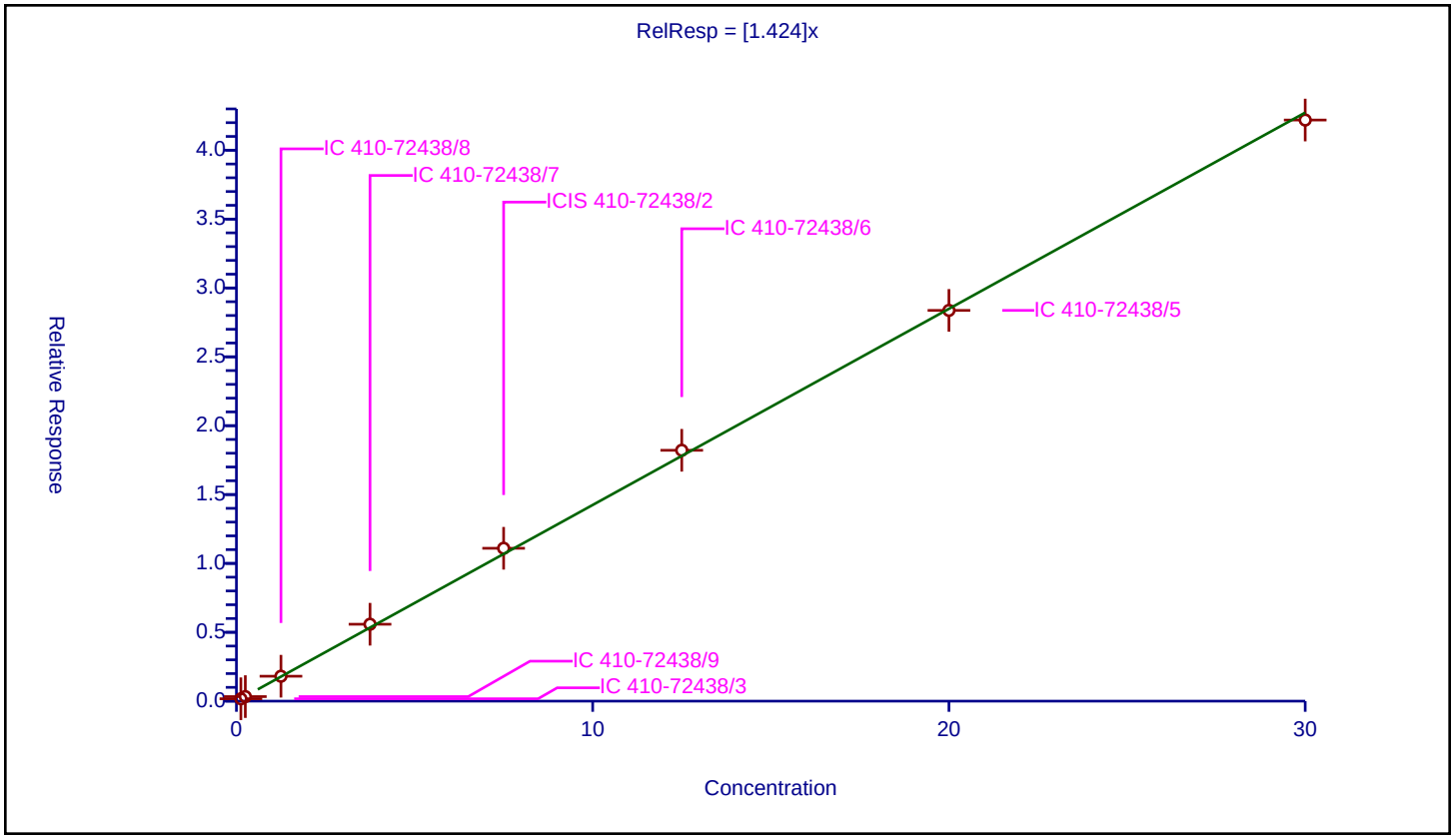
Curve Coefficients

Intercept:	0
Slope:	1.424

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	4.0
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.172524	5.0	257095.0	1.38019	Y
2	IC 410-72438/9	0.25	0.328868	5.0	269455.0	1.31547	Y
3	IC 410-72438/8	1.25	1.809765	5.0	253881.0	1.447812	Y
4	IC 410-72438/7	3.75	5.584539	5.0	247058.0	1.48921	Y
5	ICIS 410-72438/2	7.5	11.098743	5.0	243897.0	1.479832	Y
6	IC 410-72438/6	12.5	18.213176	5.0	304031.0	1.457054	Y
7	IC 410-72438/5	20.0	28.368948	5.0	246853.0	1.418447	Y
8	IC 410-72438/4	30.0	42.191043	5.0	238318.0	1.406368	Y



Calibration / 2,4-Dinitrophenol

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

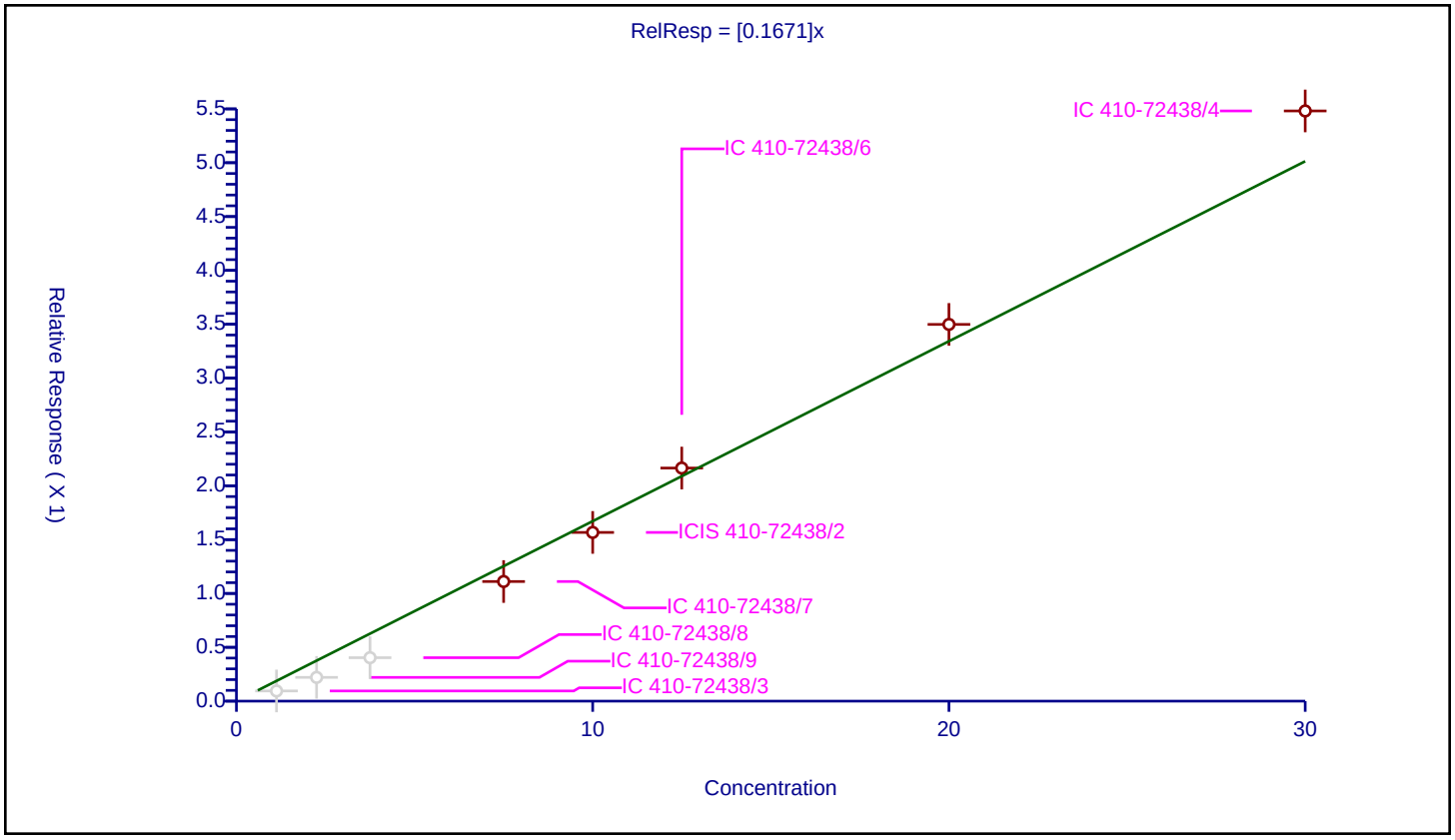
Curve Coefficients

Intercept:	0
Slope:	0.1671

Error Coefficients

Standard Error:	176000
Relative Standard Error:	8.5
Correlation Coefficient:	0.973
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	1.125	0.094634	5.0	257095.0	0.084119	N
2	IC 410-72438/9	2.25	0.220612	5.0	269455.0	0.09805	N
3	IC 410-72438/8	3.75	0.403536	5.0	253881.0	0.107609	N
4	IC 410-72438/7	7.5	1.111055	5.0	247058.0	0.148141	Y
5	ICIS 410-72438/2	10.0	1.566686	5.0	243897.0	0.156669	Y
6	IC 410-72438/6	12.5	2.164549	5.0	304031.0	0.173164	Y
7	IC 410-72438/5	20.0	3.498459	5.0	246853.0	0.174923	Y
8	IC 410-72438/4	30.0	5.480933	5.0	238318.0	0.182698	Y



Calibration / 4-Nitrophenol

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

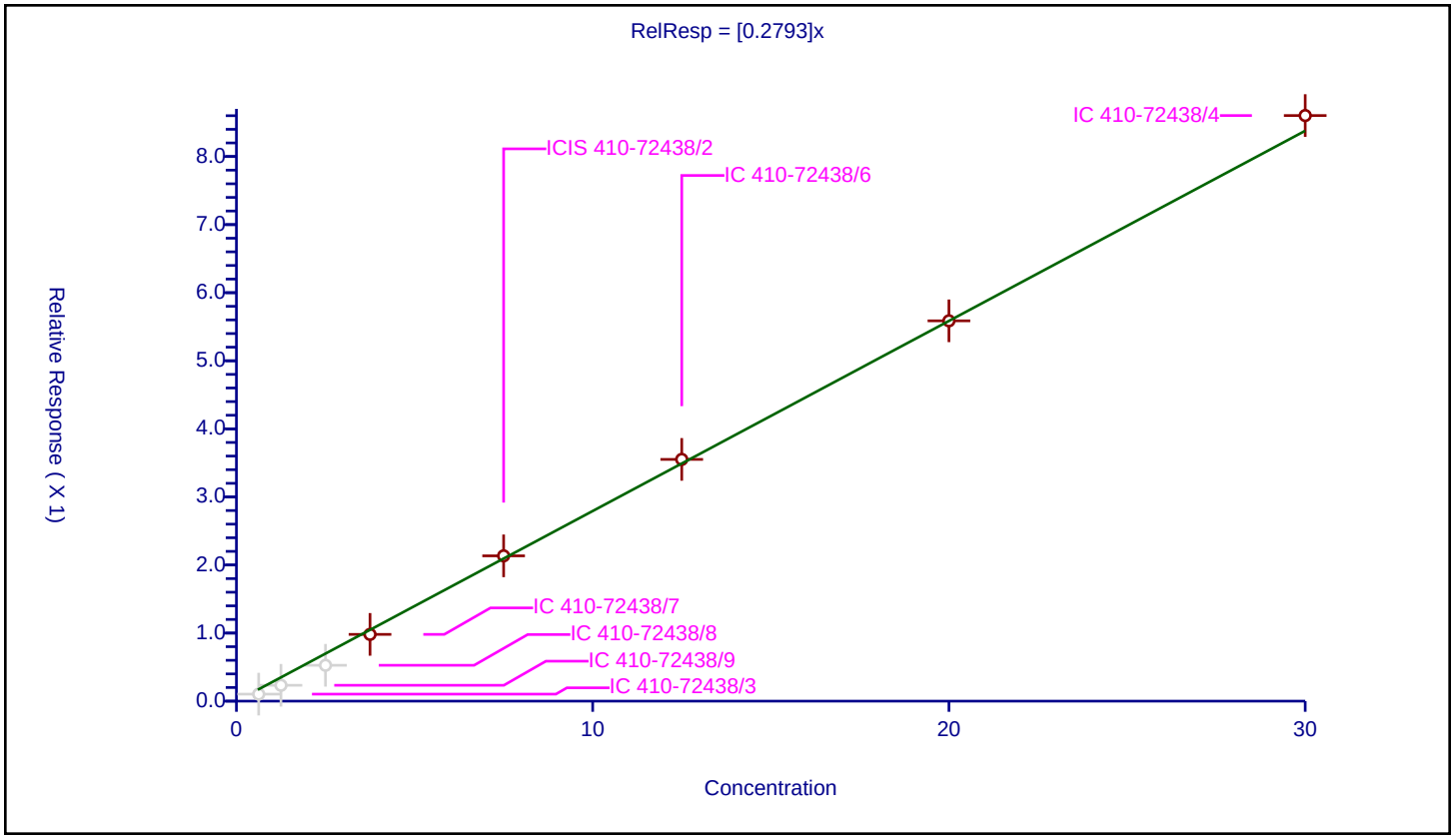
Curve Coefficients

Intercept:	0
Slope:	0.2793

Error Coefficients

Standard Error:	276000
Relative Standard Error:	3.7
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.625	0.103016	5.0	257095.0	0.164826	N
2	IC 410-72438/9	1.25	0.232822	5.0	269455.0	0.186257	N
3	IC 410-72438/8	2.5	0.526664	5.0	253881.0	0.210666	N
4	IC 410-72438/7	3.75	0.980741	5.0	247058.0	0.261531	Y
5	ICIS 410-72438/2	7.5	2.134631	5.0	243897.0	0.284617	Y
6	IC 410-72438/6	12.5	3.551233	5.0	304031.0	0.284099	Y
7	IC 410-72438/5	20.0	5.586867	5.0	246853.0	0.279343	Y
8	IC 410-72438/4	30.0	8.602015	5.0	238318.0	0.286734	Y



Calibration / Pentachlorobenzene

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

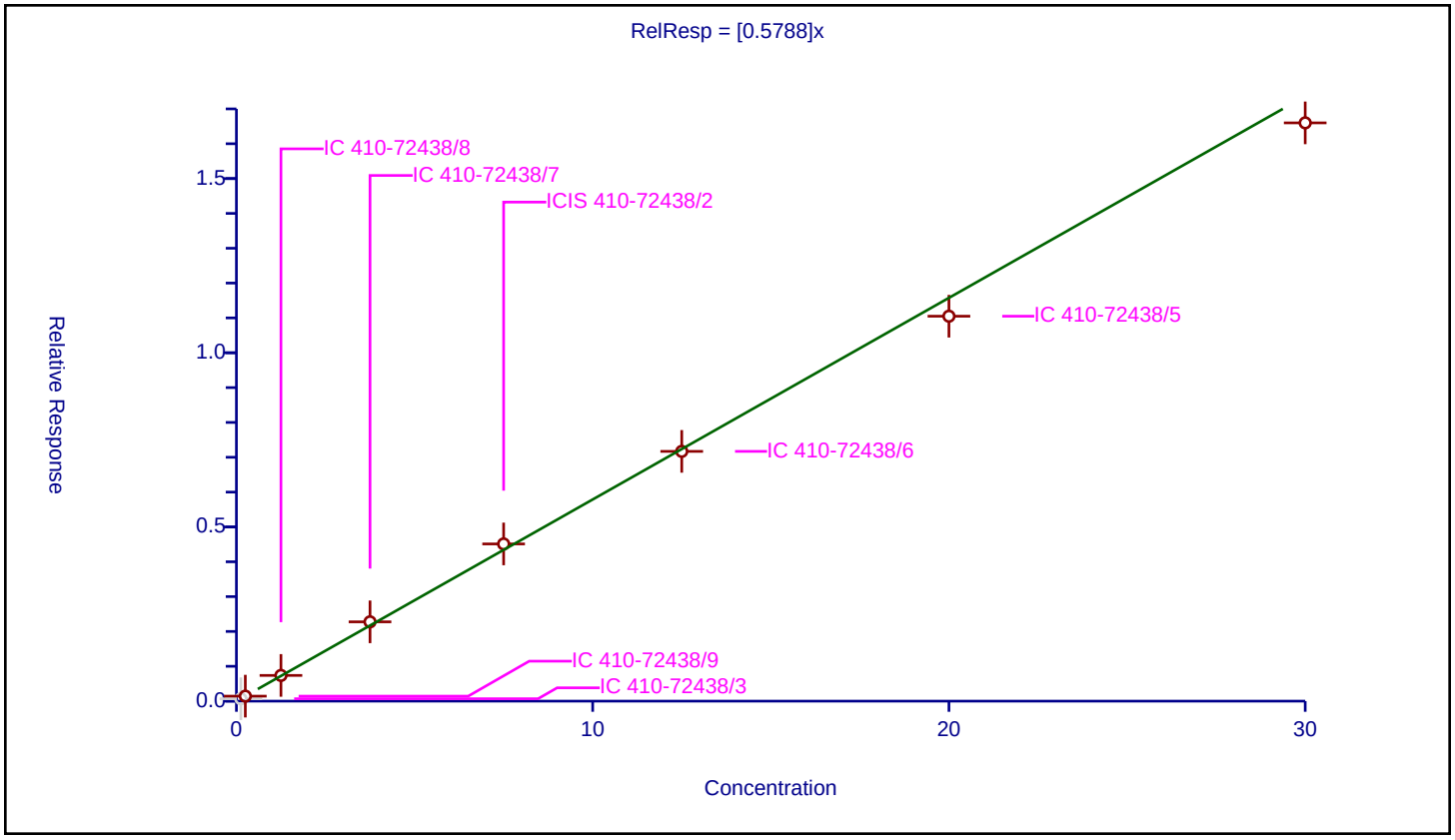
Curve Coefficients

Intercept:	0
Slope:	0.5788

Error Coefficients

Standard Error:	443000
Relative Standard Error:	3.8
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.069138	5.0	257095.0	0.553103	N
2	IC 410-72438/9	0.25	0.143326	5.0	269455.0	0.573305	Y
3	IC 410-72438/8	1.25	0.737865	5.0	253881.0	0.590292	Y
4	IC 410-72438/7	3.75	2.276631	5.0	247058.0	0.607102	Y
5	ICIS 410-72438/2	7.5	4.512253	5.0	243897.0	0.601634	Y
6	IC 410-72438/6	12.5	7.169121	5.0	304031.0	0.57353	Y
7	IC 410-72438/5	20.0	11.049349	5.0	246853.0	0.552467	Y
8	IC 410-72438/4	30.0	16.59839	5.0	238318.0	0.55328	Y



Calibration / Dibenzofuran

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

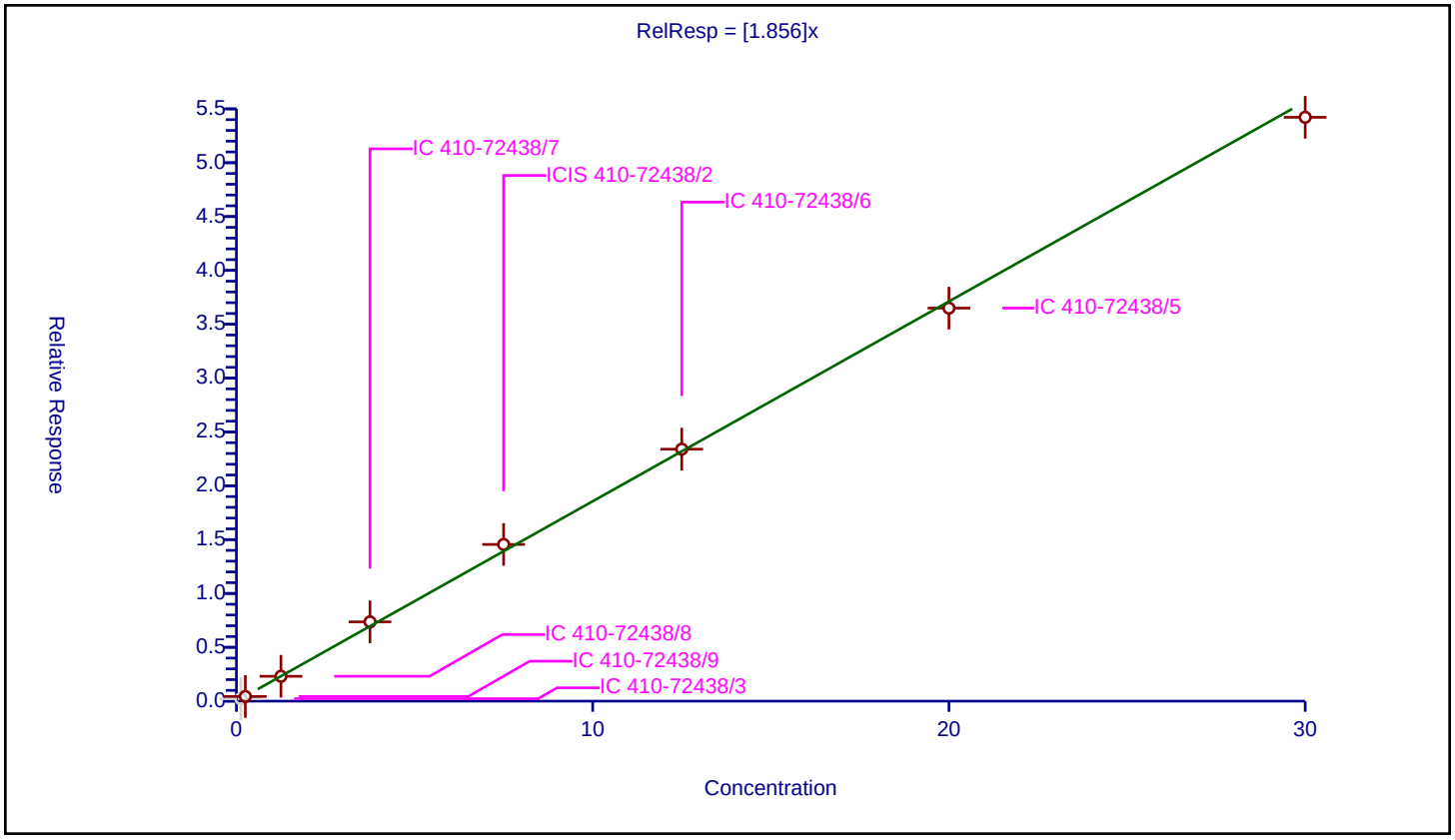
Curve Coefficients

Intercept:	0
Slope:	1.856

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	4.2
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.22587	5.0	257095.0	1.806959	N
2	IC 410-72438/9	0.25	0.433987	5.0	269455.0	1.735948	Y
3	IC 410-72438/8	1.25	2.309231	5.0	253881.0	1.847385	Y
4	IC 410-72438/7	3.75	7.363028	5.0	247058.0	1.963474	Y
5	ICIS 410-72438/2	7.5	14.553049	5.0	243897.0	1.940407	Y
6	IC 410-72438/6	12.5	23.400245	5.0	304031.0	1.87202	Y
7	IC 410-72438/5	20.0	36.49824	5.0	246853.0	1.824912	Y
8	IC 410-72438/4	30.0	54.218397	5.0	238318.0	1.80728	Y



Calibration / 2,4-Dinitrotoluene

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

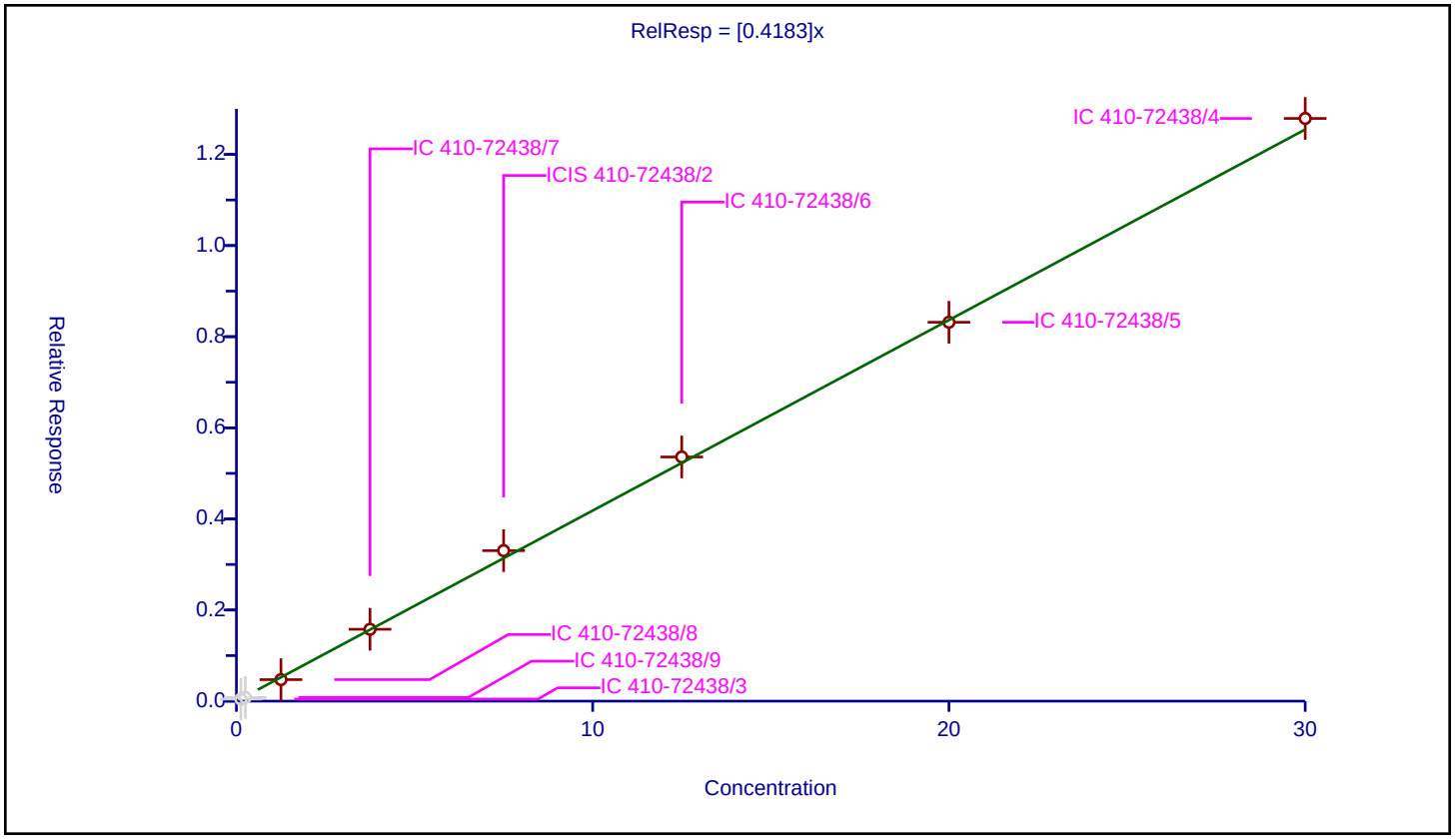
Curve Coefficients

Intercept:	0
Slope:	0.4183

Error Coefficients

Standard Error:	369000
Relative Standard Error:	5.2
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.045606	5.0	257095.0	0.364846	N
2	IC 410-72438/9	0.25	0.080143	5.0	269455.0	0.320573	N
3	IC 410-72438/8	1.25	0.471875	5.0	253881.0	0.3775	Y
4	IC 410-72438/7	3.75	1.577464	5.0	247058.0	0.420657	Y
5	ICIS 410-72438/2	7.5	3.303567	5.0	243897.0	0.440476	Y
6	IC 410-72438/6	12.5	5.359667	5.0	304031.0	0.428773	Y
7	IC 410-72438/5	20.0	8.316751	5.0	246853.0	0.415838	Y
8	IC 410-72438/4	30.0	12.789886	5.0	238318.0	0.42633	Y



Calibration / 1-Naphthylamine

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

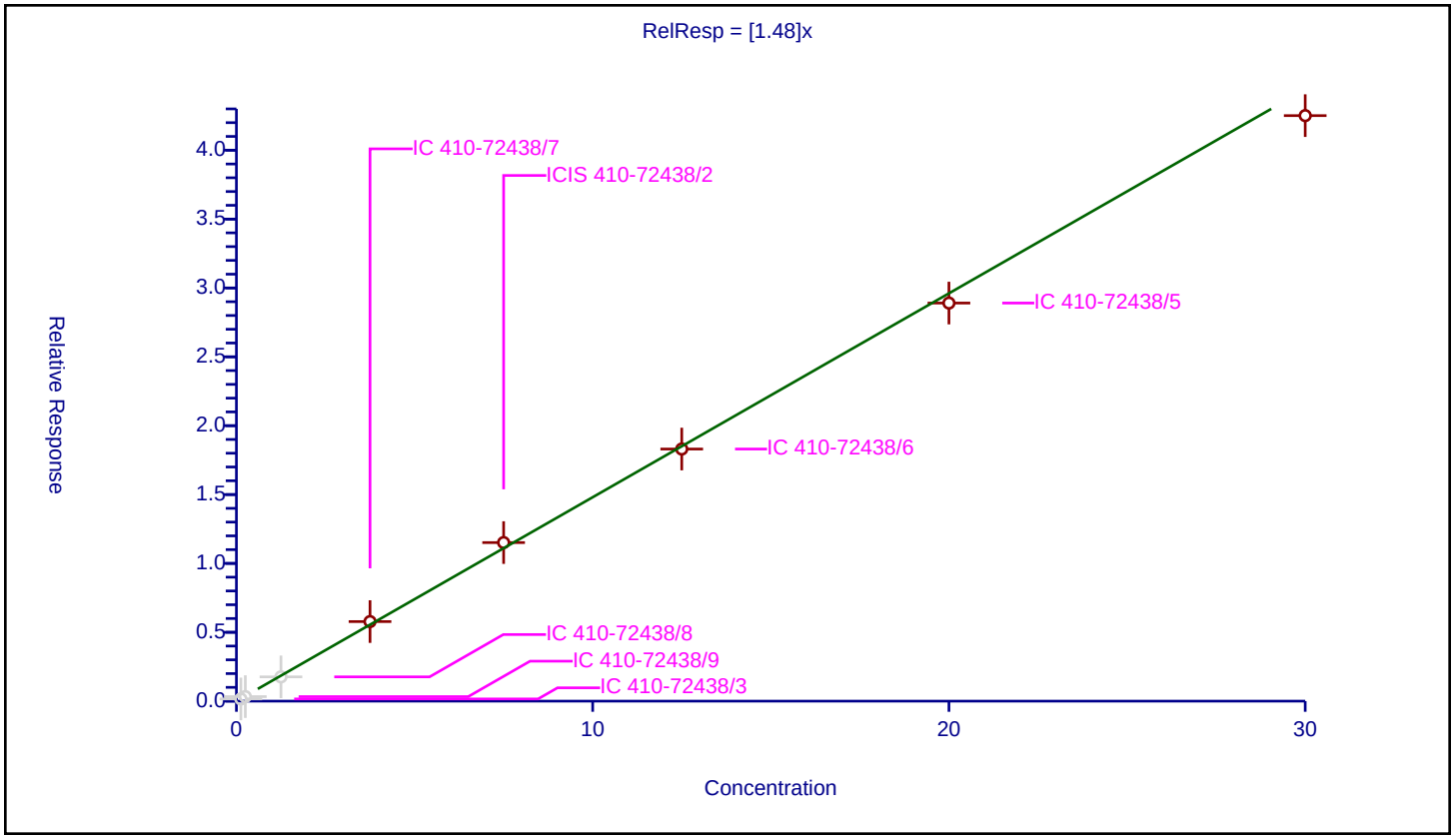
Curve Coefficients

Intercept:	0
Slope:	1.48

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	3.7
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.159105	5.0	257095.0	1.272837	N
2	IC 410-72438/9	0.25	0.327903	5.0	269455.0	1.31161	N
3	IC 410-72438/8	1.25	1.762716	5.0	253881.0	1.410172	N
4	IC 410-72438/7	3.75	5.776316	5.0	247058.0	1.540351	Y
5	ICIS 410-72438/2	7.5	11.513036	5.0	243897.0	1.535071	Y
6	IC 410-72438/6	12.5	18.304351	5.0	304031.0	1.464348	Y
7	IC 410-72438/5	20.0	28.903052	5.0	246853.0	1.445153	Y
8	IC 410-72438/4	30.0	42.511162	5.0	238318.0	1.417039	Y



Calibration / 2,3,4,6-Tetrachlorophenol

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

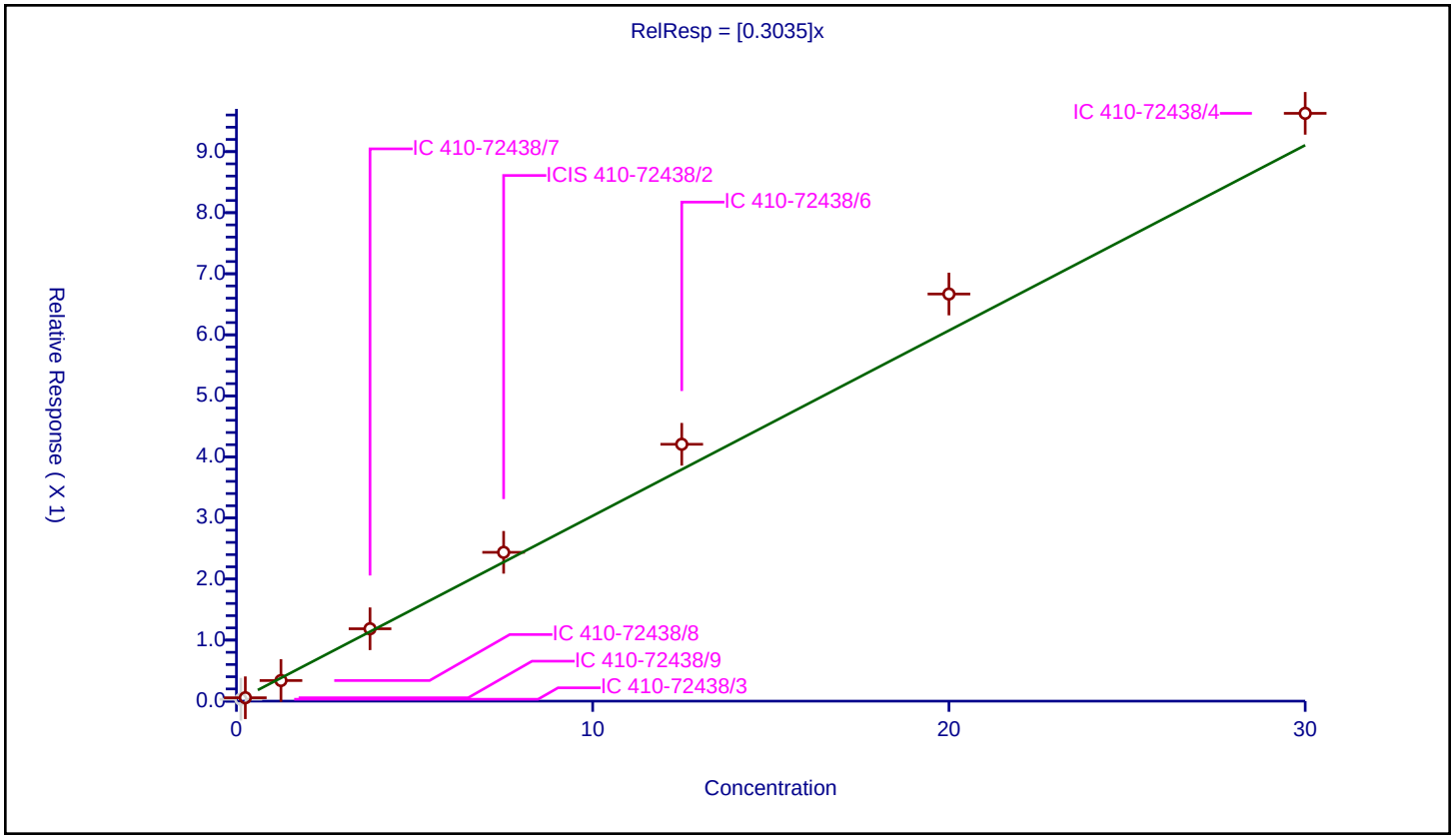
Curve Coefficients

Intercept:	0
Slope:	0.3035

Error Coefficients

Standard Error:	259000
Relative Standard Error:	13.8
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.031059	5.0	257095.0	0.248468	N
2	IC 410-72438/9	0.25	0.055668	5.0	269455.0	0.222672	Y
3	IC 410-72438/8	1.25	0.337501	5.0	253881.0	0.270001	Y
4	IC 410-72438/7	3.75	1.185228	5.0	247058.0	0.316061	Y
5	ICIS 410-72438/2	7.5	2.437402	5.0	243897.0	0.324987	Y
6	IC 410-72438/6	12.5	4.20717	5.0	304031.0	0.336574	Y
7	IC 410-72438/5	20.0	6.667916	5.0	246853.0	0.333396	Y
8	IC 410-72438/4	30.0	9.627158	5.0	238318.0	0.320905	Y



Calibration / 2-Naphthylamine

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

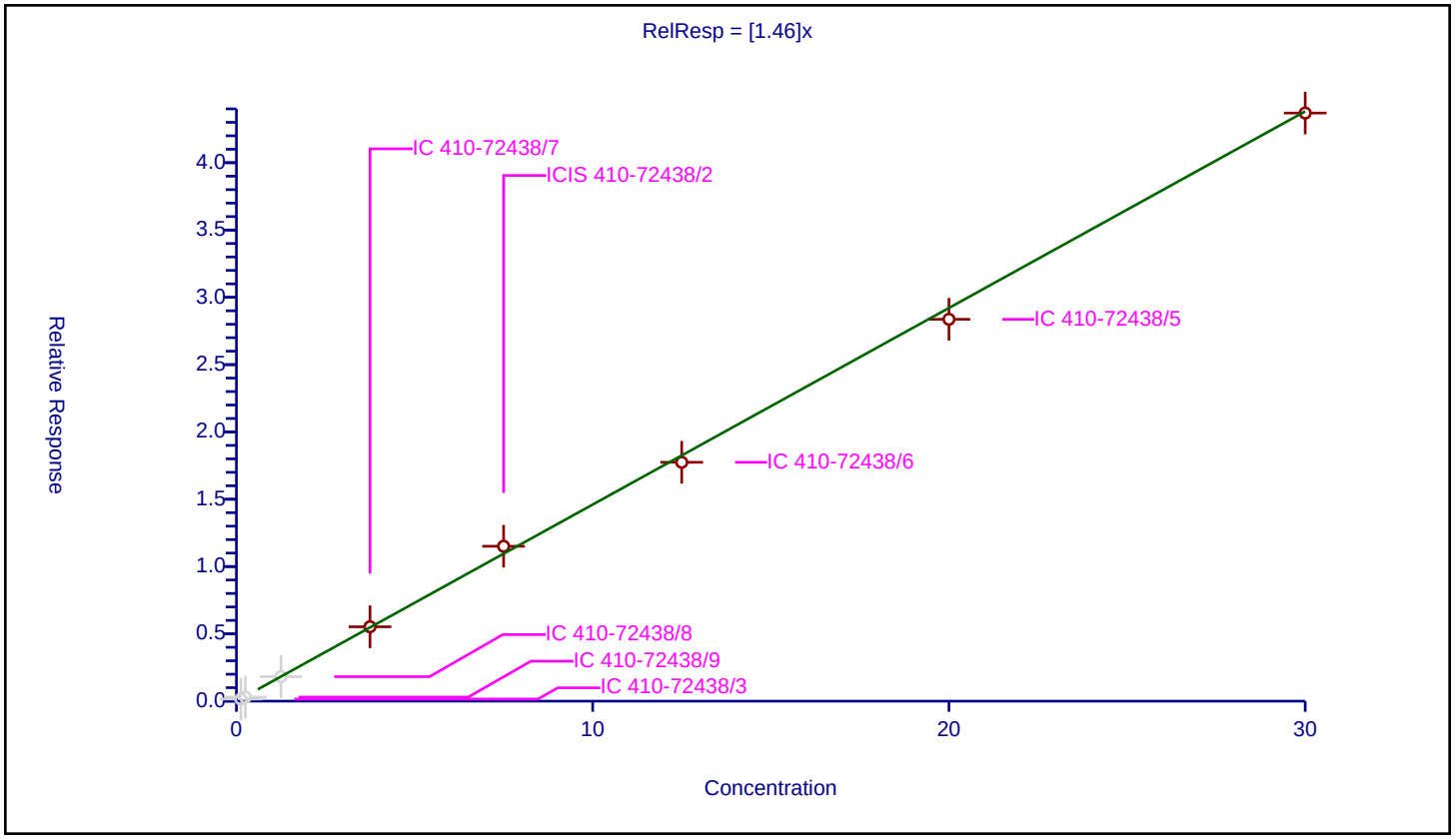
Curve Coefficients

Intercept:	0
Slope:	1.46

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	3.3
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.154398	5.0	257095.0	1.235185	N
2	IC 410-72438/9	0.25	0.298807	5.0	269455.0	1.195227	N
3	IC 410-72438/8	1.25	1.819258	5.0	253881.0	1.455406	N
4	IC 410-72438/7	3.75	5.526212	5.0	247058.0	1.473657	Y
5	ICIS 410-72438/2	7.5	11.507153	5.0	243897.0	1.534287	Y
6	IC 410-72438/6	12.5	17.745016	5.0	304031.0	1.419601	Y
7	IC 410-72438/5	20.0	28.368381	5.0	246853.0	1.418419	Y
8	IC 410-72438/4	30.0	43.691727	5.0	238318.0	1.456391	Y



Calibration / Diethyl phthalate

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

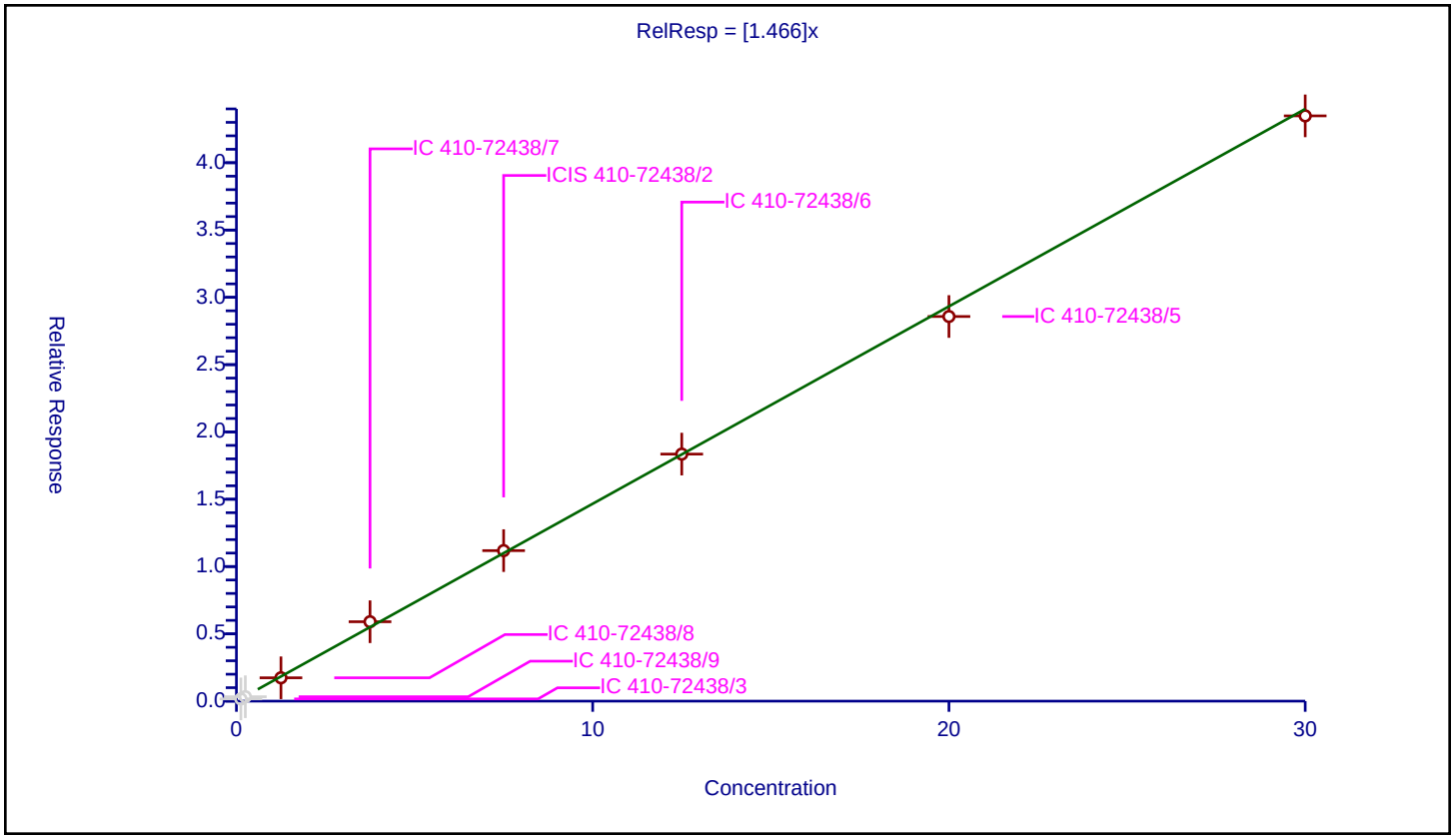
Curve Coefficients

Intercept:	0
Slope:	1.466

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	4.3
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.165814	5.0	257095.0	1.326514	N
2	IC 410-72438/9	0.25	0.32794	5.0	269455.0	1.311759	N
3	IC 410-72438/8	1.25	1.734376	5.0	253881.0	1.3875	Y
4	IC 410-72438/7	3.75	5.899161	5.0	247058.0	1.57311	Y
5	ICIS 410-72438/2	7.5	11.183635	5.0	243897.0	1.491151	Y
6	IC 410-72438/6	12.5	18.354658	5.0	304031.0	1.468373	Y
7	IC 410-72438/5	20.0	28.575812	5.0	246853.0	1.428791	Y
8	IC 410-72438/4	30.0	43.480811	5.0	238318.0	1.44936	Y



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

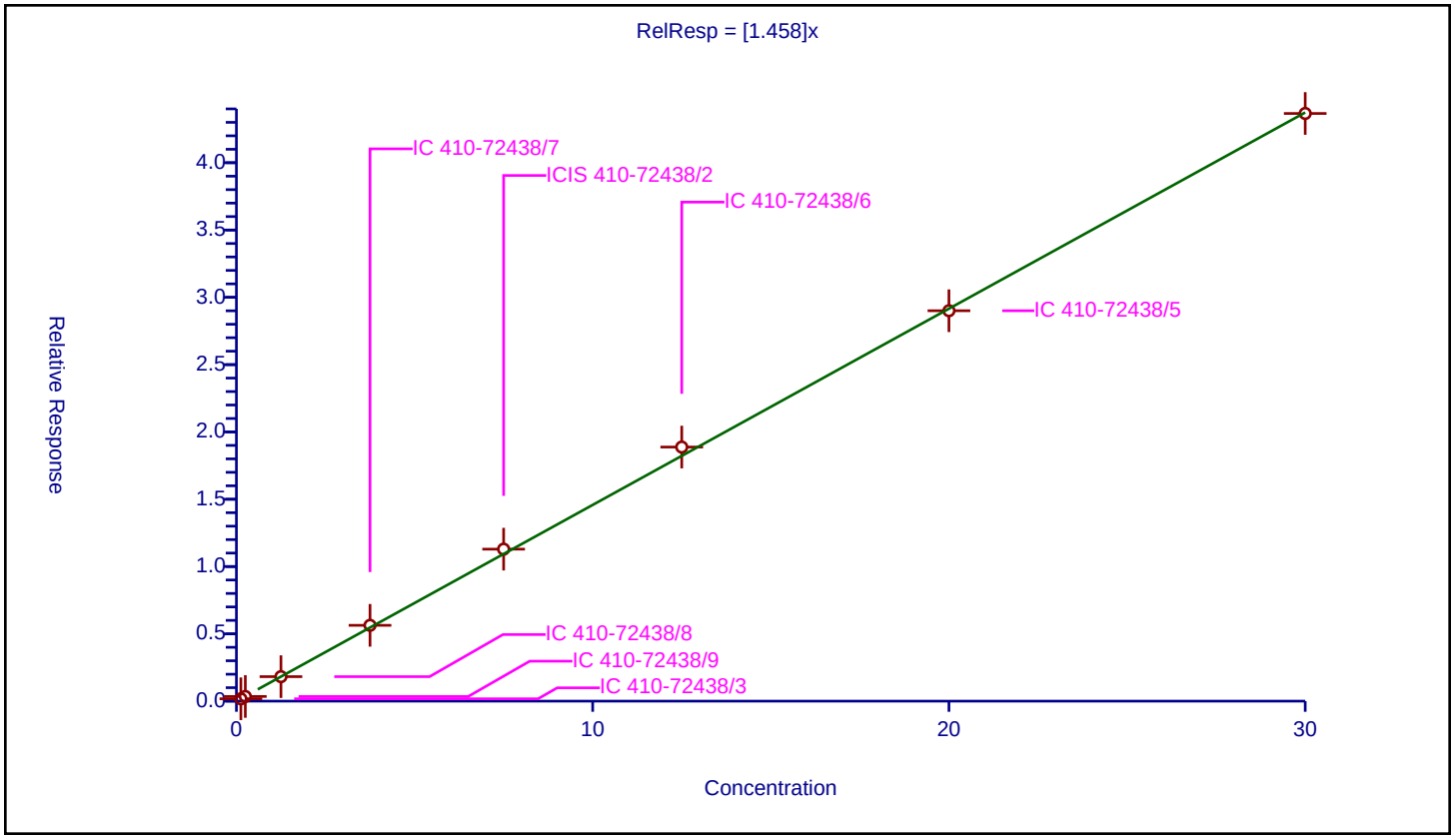
Curve Coefficients

Intercept:	0
Slope:	1.458

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	3.3
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.174371	5.0	257095.0	1.394971	Y
2	IC 410-72438/9	0.25	0.347089	5.0	269455.0	1.388358	Y
3	IC 410-72438/8	1.25	1.819691	5.0	253881.0	1.455753	Y
4	IC 410-72438/7	3.75	5.632119	5.0	247058.0	1.501898	Y
5	ICIS 410-72438/2	7.5	11.292513	5.0	243897.0	1.505668	Y
6	IC 410-72438/6	12.5	18.875855	5.0	304031.0	1.510068	Y
7	IC 410-72438/5	20.0	29.004651	5.0	246853.0	1.450233	Y
8	IC 410-72438/4	30.0	43.659249	5.0	238318.0	1.455308	Y



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

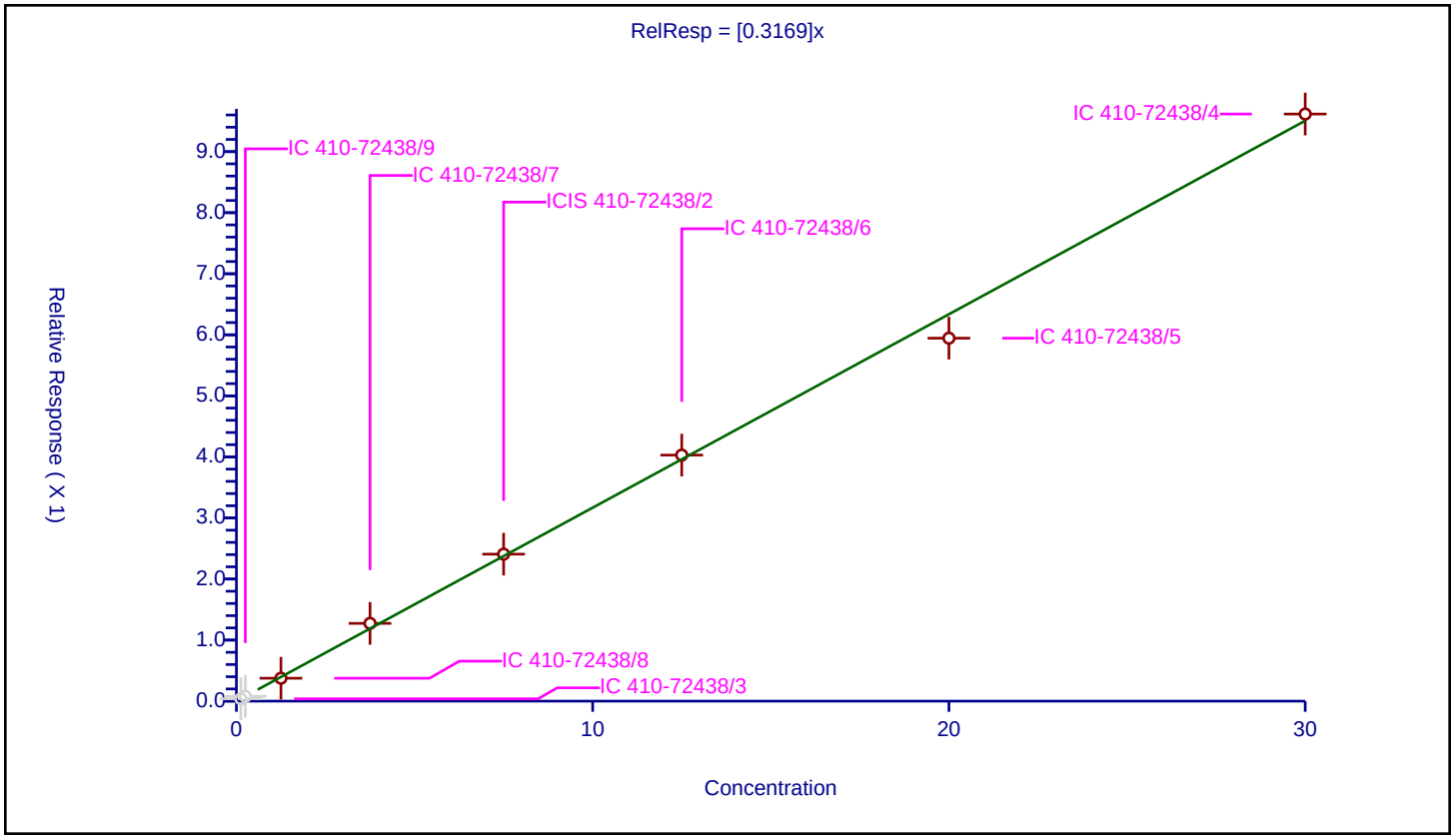
Curve Coefficients

Intercept:	0
Slope:	0.3169

Error Coefficients

Standard Error:	274000
Relative Standard Error:	5.0
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.038215	5.0	257095.0	0.305724	N
2	IC 410-72438/9	0.25	0.079382	5.0	269455.0	0.31753	N
3	IC 410-72438/8	1.25	0.375451	5.0	253881.0	0.300361	Y
4	IC 410-72438/7	3.75	1.273689	5.0	247058.0	0.33965	Y
5	ICIS 410-72438/2	7.5	2.40741	5.0	243897.0	0.320988	Y
6	IC 410-72438/6	12.5	4.029638	5.0	304031.0	0.322371	Y
7	IC 410-72438/5	20.0	5.944591	5.0	246853.0	0.29723	Y
8	IC 410-72438/4	30.0	9.615661	5.0	238318.0	0.320522	Y



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

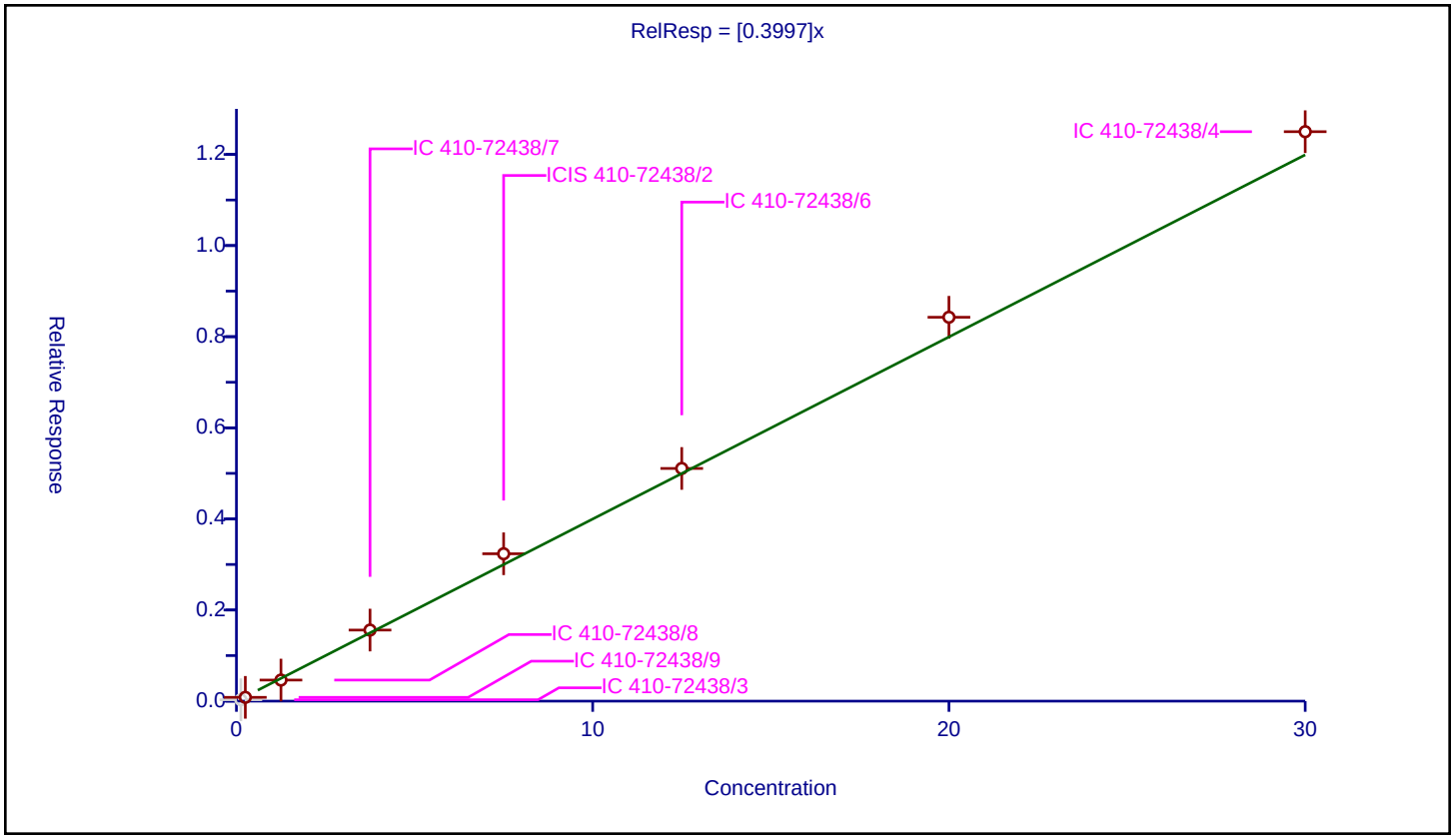
Curve Coefficients

Intercept:	0
Slope:	0.3997

Error Coefficients

Standard Error:	331000
Relative Standard Error:	8.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.030845	5.0	257095.0	0.246757	N
2	IC 410-72438/9	0.25	0.083465	5.0	269455.0	0.333859	Y
3	IC 410-72438/8	1.25	0.462835	5.0	253881.0	0.370268	Y
4	IC 410-72438/7	3.75	1.560018	5.0	247058.0	0.416005	Y
5	ICIS 410-72438/2	7.5	3.235259	5.0	243897.0	0.431368	Y
6	IC 410-72438/6	12.5	5.10739	5.0	304031.0	0.408591	Y
7	IC 410-72438/5	20.0	8.426513	5.0	246853.0	0.421326	Y
8	IC 410-72438/4	30.0	12.499748	5.0	238318.0	0.416658	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

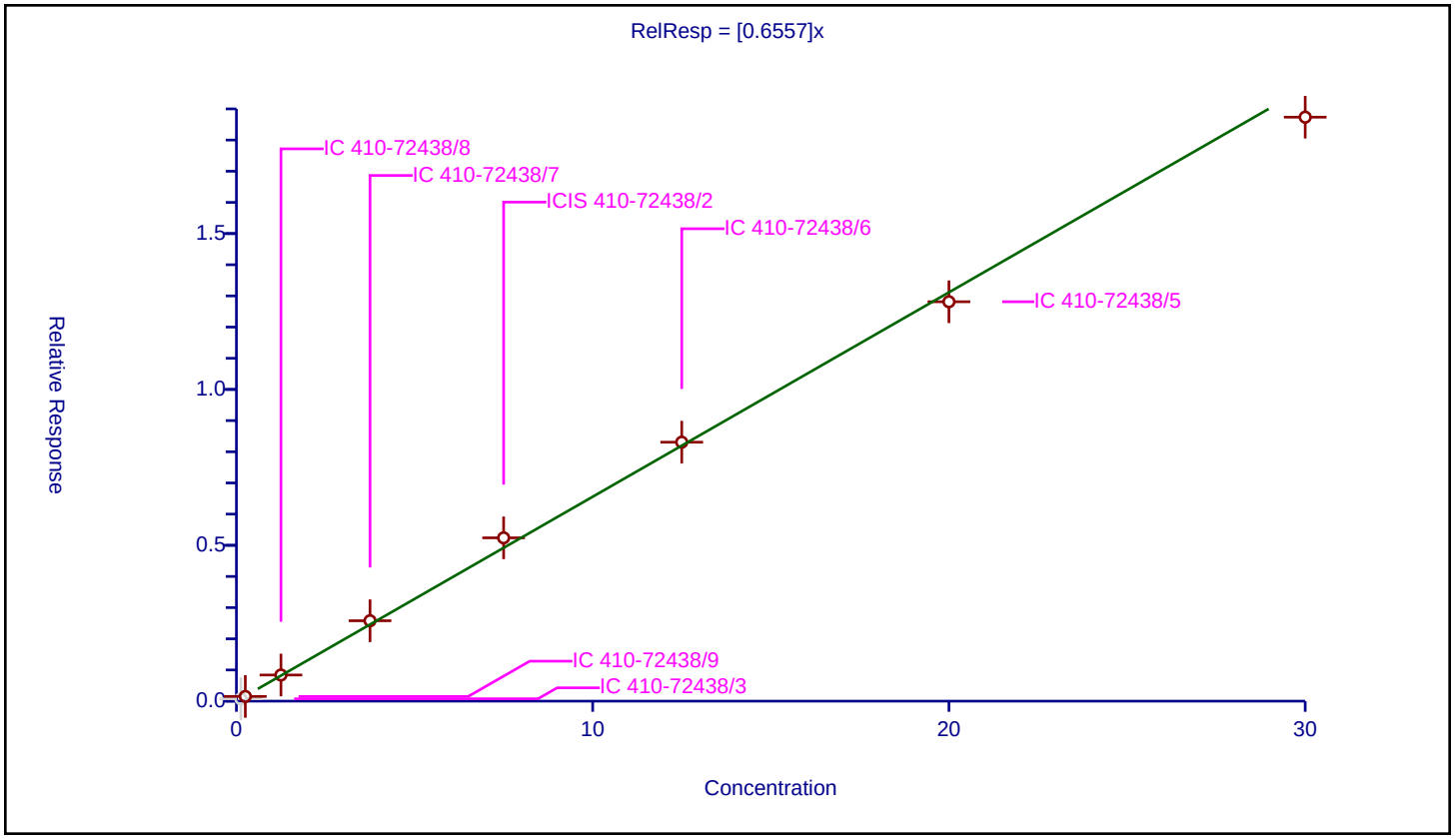
Curve Coefficients

Intercept:	0
Slope:	0.6557

Error Coefficients

Standard Error:	506000
Relative Standard Error:	5.3
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.076198	5.0	257095.0	0.60958	N
2	IC 410-72438/9	0.25	0.150804	5.0	269455.0	0.603218	Y
3	IC 410-72438/8	1.25	0.838838	5.0	253881.0	0.67107	Y
4	IC 410-72438/7	3.75	2.578888	5.0	247058.0	0.687704	Y
5	ICIS 410-72438/2	7.5	5.23883	5.0	243897.0	0.698511	Y
6	IC 410-72438/6	12.5	8.30713	5.0	304031.0	0.66457	Y
7	IC 410-72438/5	20.0	12.812848	5.0	246853.0	0.640642	Y
8	IC 410-72438/4	30.0	18.734632	5.0	238318.0	0.624488	Y



Calibration / 4-Nitroaniline

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

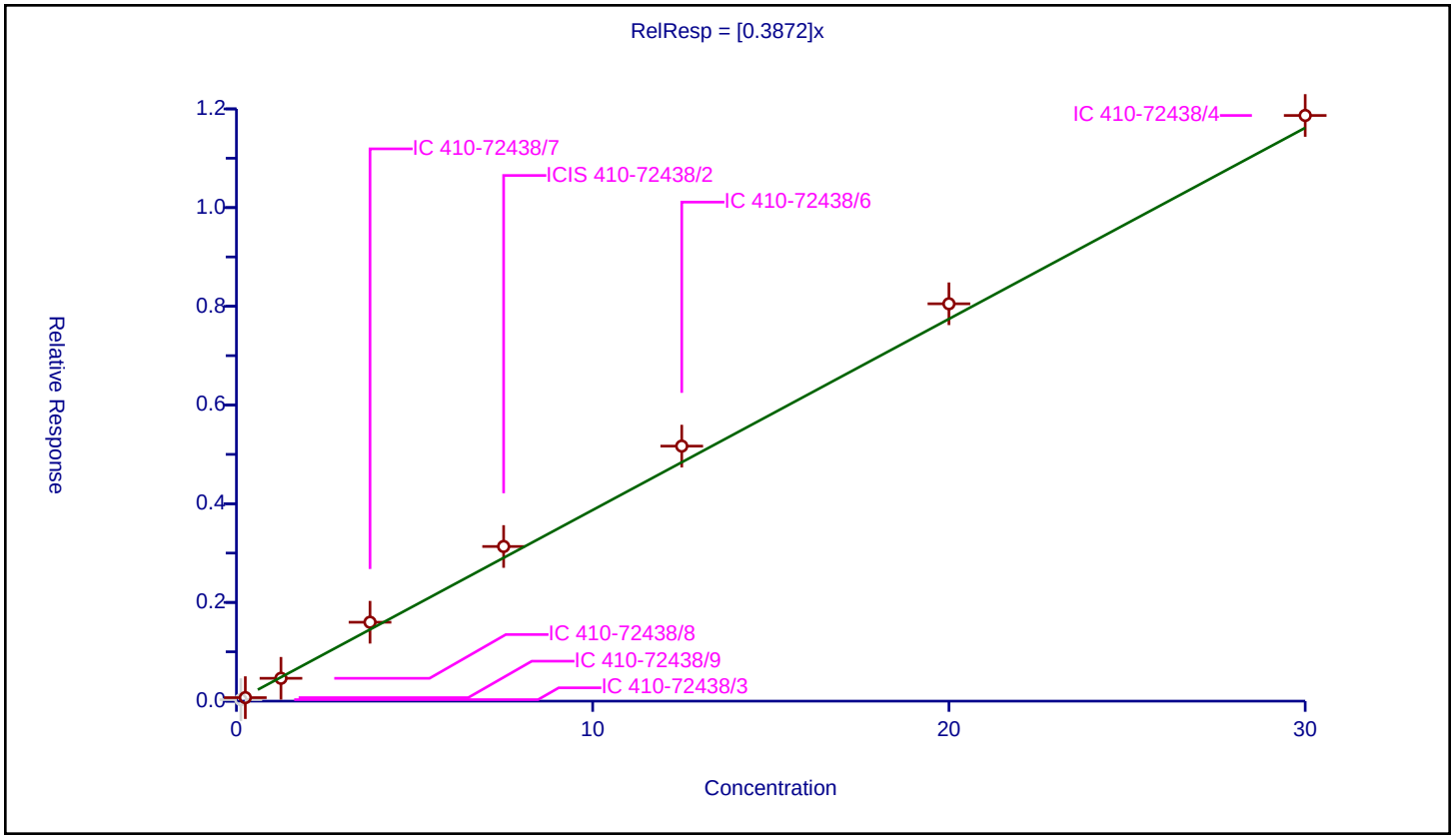
Curve Coefficients

Intercept:	0
Slope:	0.3872

Error Coefficients

Standard Error:	318000
Relative Standard Error:	12.6
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.030514	5.0	257095.0	0.244112	N
2	IC 410-72438/9	0.25	0.071125	5.0	269455.0	0.2845	Y
3	IC 410-72438/8	1.25	0.462874	5.0	253881.0	0.370299	Y
4	IC 410-72438/7	3.75	1.598835	5.0	247058.0	0.426356	Y
5	ICIS 410-72438/2	7.5	3.13331	5.0	243897.0	0.417775	Y
6	IC 410-72438/6	12.5	5.167401	5.0	304031.0	0.413392	Y
7	IC 410-72438/5	20.0	8.05133	5.0	246853.0	0.402567	Y
8	IC 410-72438/4	30.0	11.866938	5.0	238318.0	0.395565	Y



Calibration / 4,6-Dinitro-2-methylphenol

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

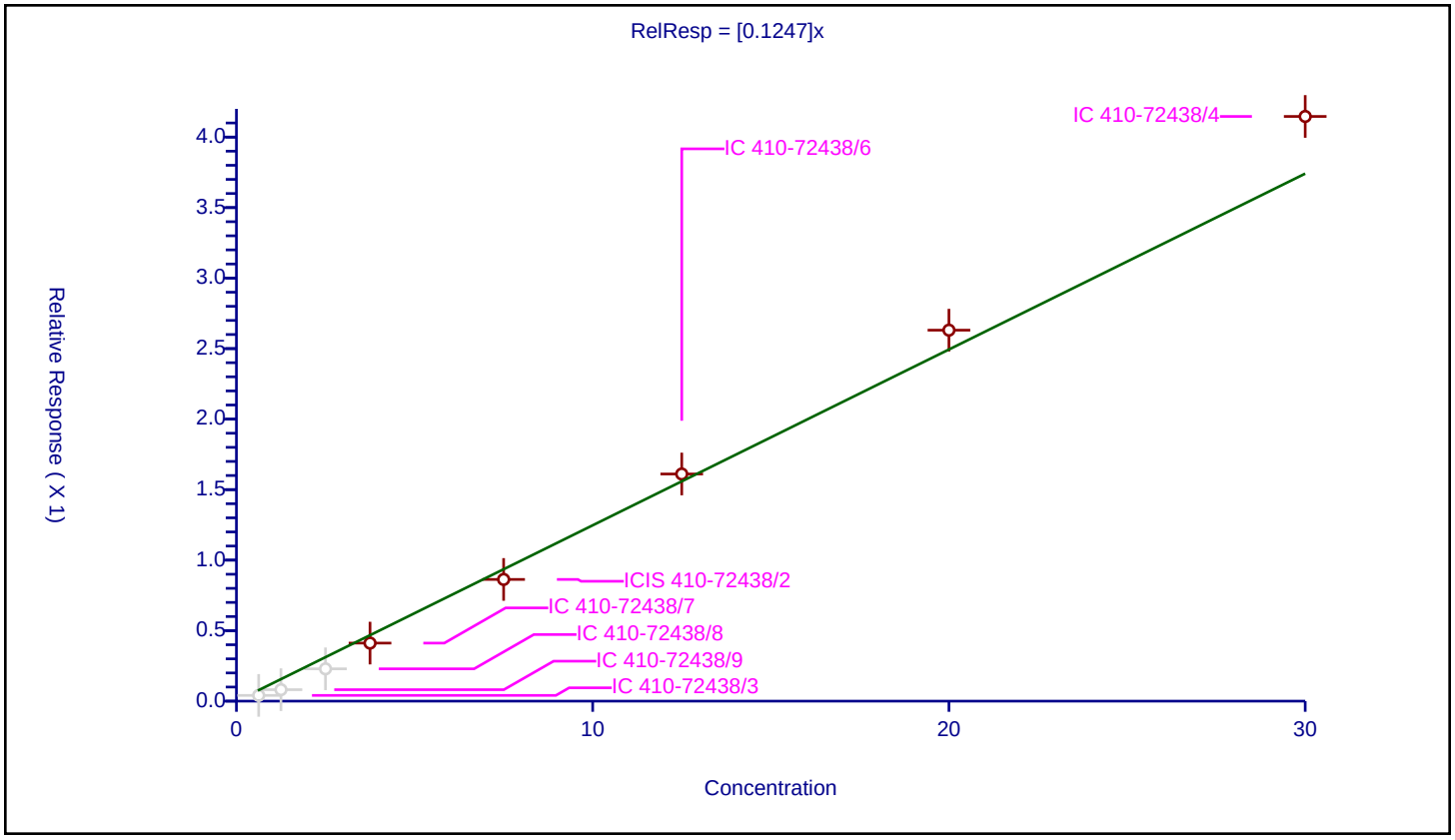
Curve Coefficients

Intercept:	0
Slope:	0.1247

Error Coefficients

Standard Error:	224000
Relative Standard Error:	9.5
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.625	0.040744	5.0	428405.0	0.065191	N
2	IC 410-72438/9	1.25	0.081227	5.0	449725.0	0.064982	N
3	IC 410-72438/8	2.5	0.229141	5.0	433444.0	0.091657	N
4	IC 410-72438/7	3.75	0.411704	5.0	426593.0	0.109788	Y
5	ICIS 410-72438/2	7.5	0.863025	5.0	418464.0	0.11507	Y
6	IC 410-72438/6	12.5	1.610814	5.0	511850.0	0.128865	Y
7	IC 410-72438/5	20.0	2.630812	5.0	414984.0	0.131541	Y
8	IC 410-72438/4	30.0	4.146348	5.0	417061.0	0.138212	Y



Calibration / N-Nitrosodiphenylamine

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

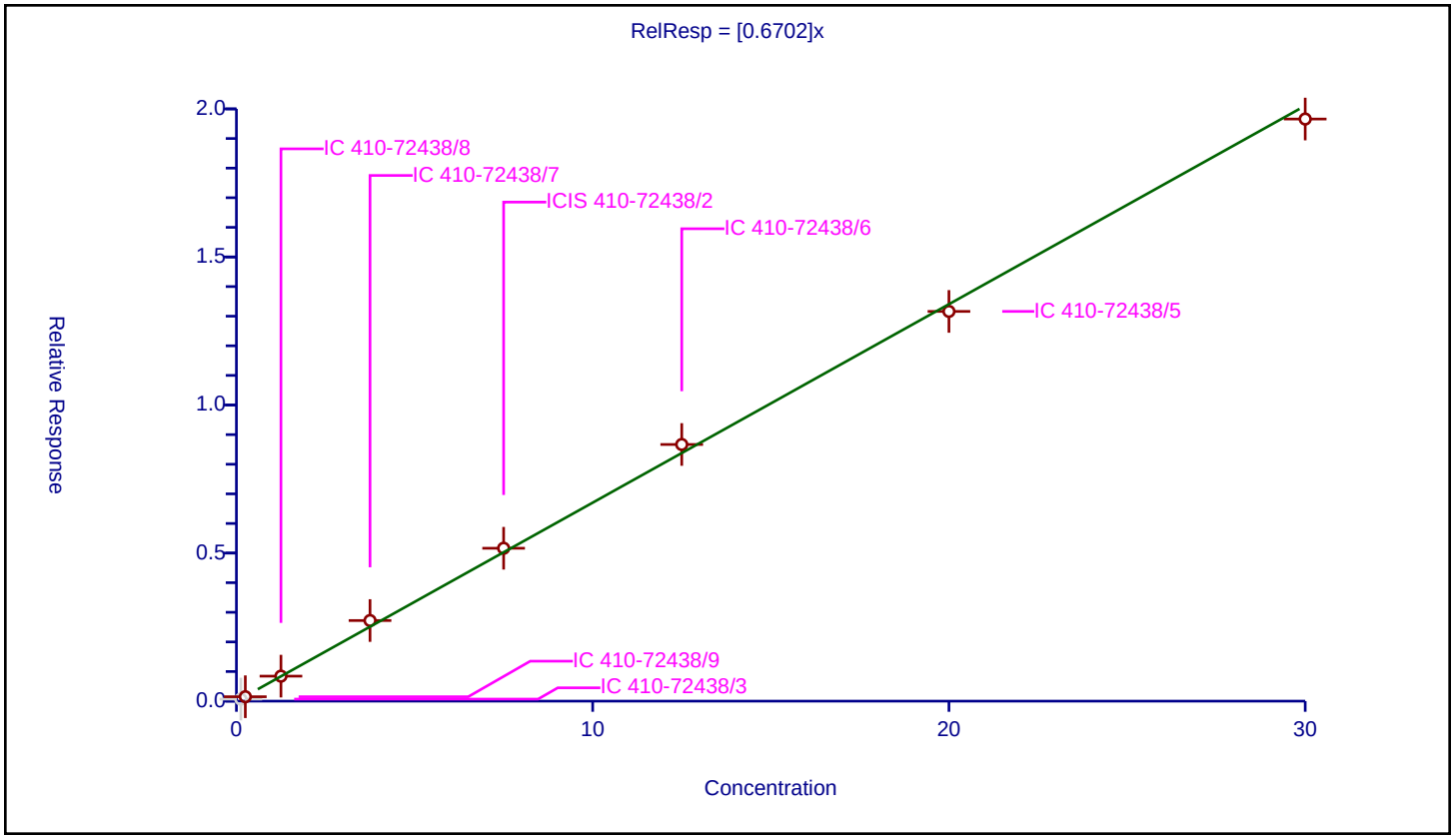
Curve Coefficients

Intercept:	0
Slope:	0.6702

Error Coefficients

Standard Error:	905000
Relative Standard Error:	6.1
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.069129	5.0	428405.0	0.553028	N
2	IC 410-72438/9	0.25	0.148869	5.0	449725.0	0.595475	Y
3	IC 410-72438/8	1.25	0.844088	5.0	433444.0	0.675271	Y
4	IC 410-72438/7	3.75	2.721904	5.0	426593.0	0.725841	Y
5	ICIS 410-72438/2	7.5	5.163288	5.0	418464.0	0.688438	Y
6	IC 410-72438/6	12.5	8.66708	5.0	511850.0	0.693366	Y
7	IC 410-72438/5	20.0	13.160845	5.0	414984.0	0.658042	Y
8	IC 410-72438/4	30.0	19.657724	5.0	417061.0	0.655257	Y



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

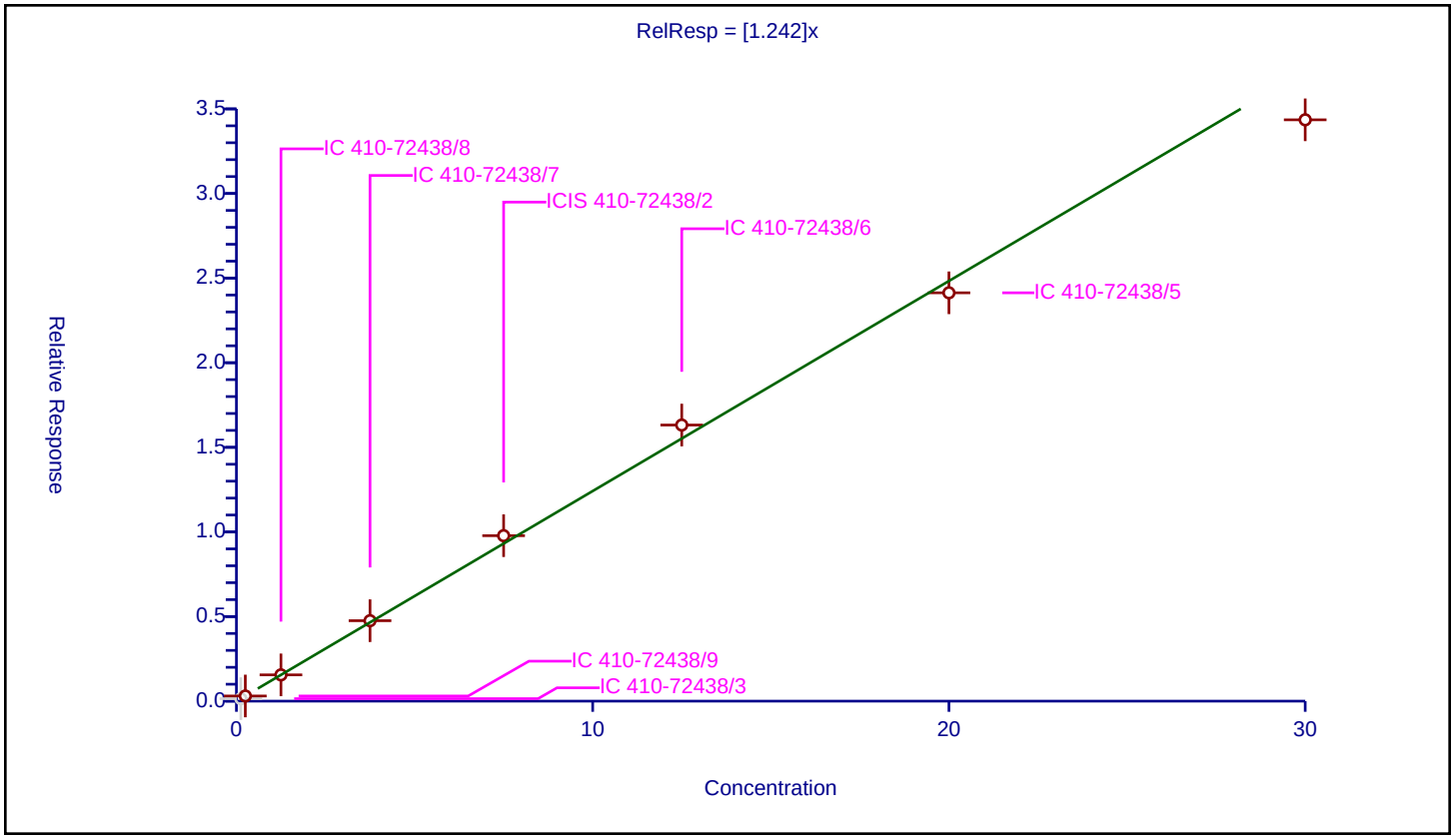
Curve Coefficients

Intercept:	0
Slope:	1.242

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	4.6
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.147115	5.0	428405.0	1.176924	N
2	IC 410-72438/9	0.25	0.30512	5.0	449725.0	1.220479	Y
3	IC 410-72438/8	1.25	1.552057	5.0	433444.0	1.241646	Y
4	IC 410-72438/7	3.75	4.753981	5.0	426593.0	1.267728	Y
5	ICIS 410-72438/2	7.5	9.778332	5.0	418464.0	1.303778	Y
6	IC 410-72438/6	12.5	16.316714	5.0	511850.0	1.305337	Y
7	IC 410-72438/5	20.0	24.131051	5.0	414984.0	1.206553	Y
8	IC 410-72438/4	30.0	34.354891	5.0	417061.0	1.145163	Y



Calibration / 2,4,6-Tribromophenol

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

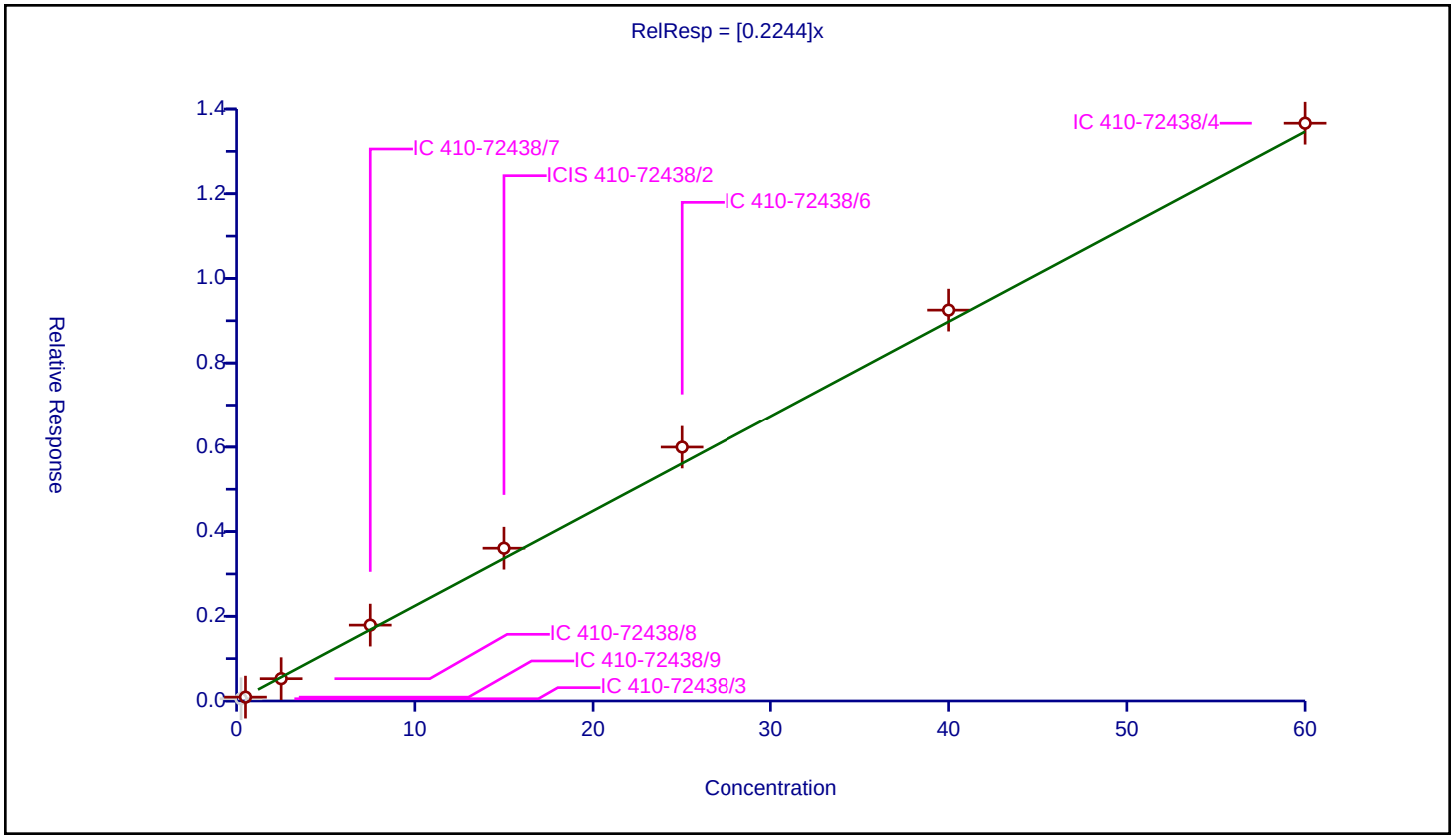
Curve Coefficients

Intercept:	0
Slope:	0.2244

Error Coefficients

Standard Error:	366000
Relative Standard Error:	9.5
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.25	0.053132	5.0	257095.0	0.212528	N
2	IC 410-72438/9	0.5	0.091017	5.0	269455.0	0.182034	Y
3	IC 410-72438/8	2.5	0.526822	5.0	253881.0	0.210729	Y
4	IC 410-72438/7	7.5	1.791786	5.0	247058.0	0.238905	Y
5	ICIS 410-72438/2	15.0	3.607076	5.0	243897.0	0.240472	Y
6	IC 410-72438/6	25.0	5.997859	5.0	304031.0	0.239914	Y
7	IC 410-72438/5	40.0	9.251883	5.0	246853.0	0.231297	Y
8	IC 410-72438/4	60.0	13.665355	5.0	238318.0	0.227756	Y



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

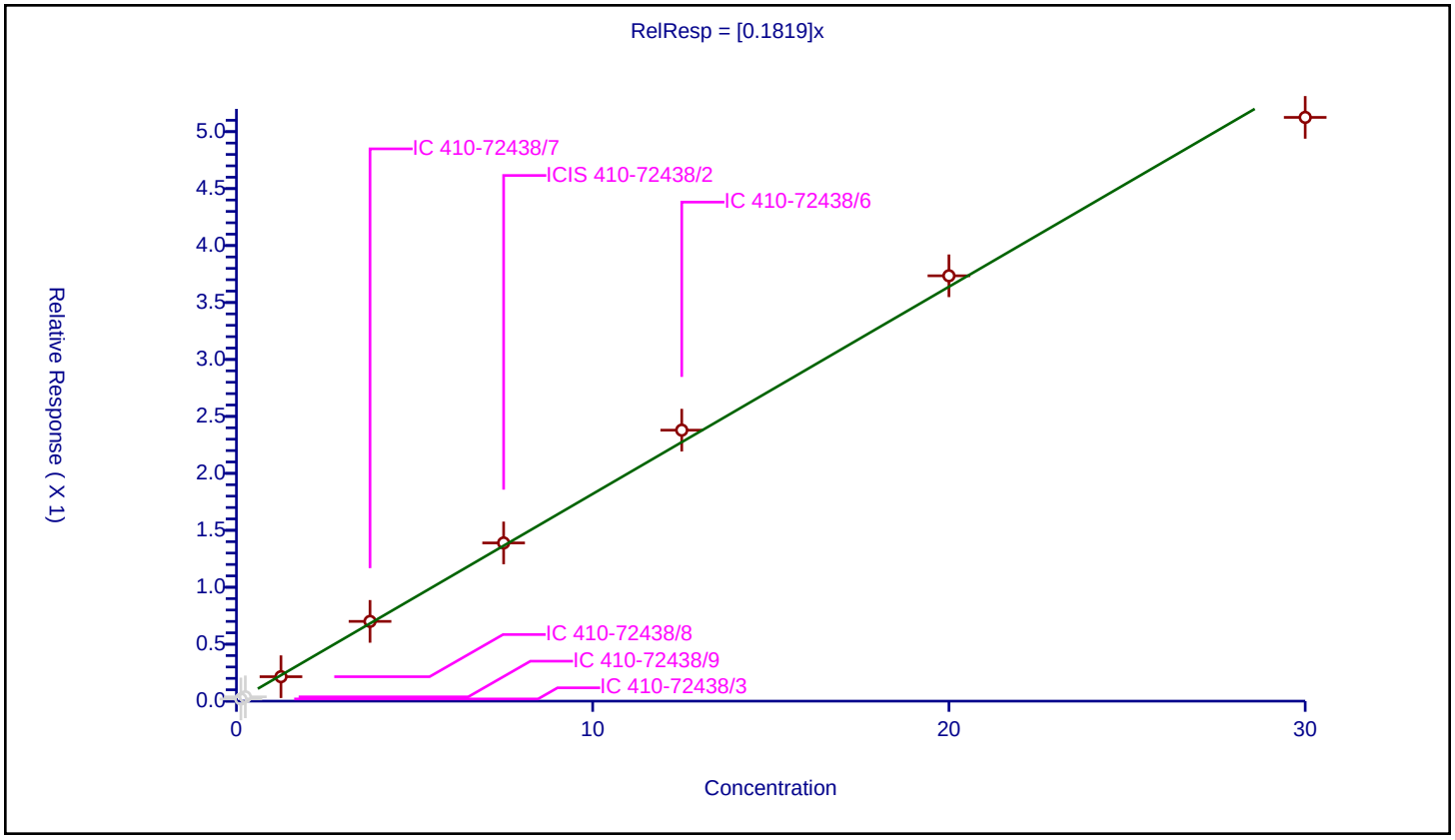
Curve Coefficients

Intercept:	0
Slope:	0.1819

Error Coefficients

Standard Error:	267000
Relative Standard Error:	4.6
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.019187	5.0	428405.0	0.1535	N
2	IC 410-72438/9	0.25	0.037845	5.0	449725.0	0.151381	N
3	IC 410-72438/8	1.25	0.214549	5.0	433444.0	0.171639	Y
4	IC 410-72438/7	3.75	0.700328	5.0	426593.0	0.186754	Y
5	ICIS 410-72438/2	7.5	1.389188	5.0	418464.0	0.185225	Y
6	IC 410-72438/6	12.5	2.379291	5.0	511850.0	0.190343	Y
7	IC 410-72438/5	20.0	3.734602	5.0	414984.0	0.18673	Y
8	IC 410-72438/4	30.0	5.125365	5.0	417061.0	0.170846	Y



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

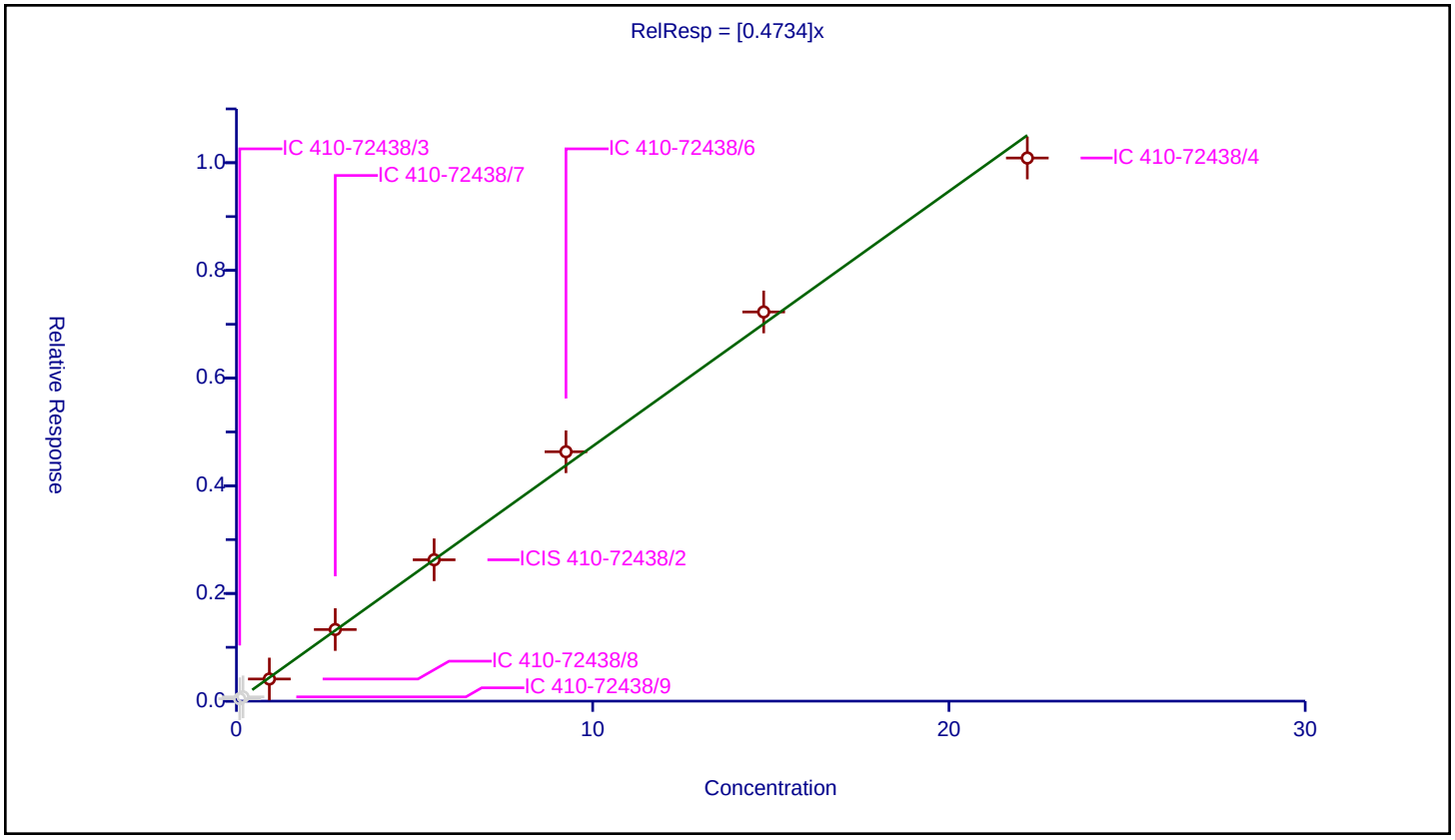
Curve Coefficients

Intercept:	0
Slope:	0.4734

Error Coefficients

Standard Error:	521000
Relative Standard Error:	4.4
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.0925	0.045004	5.0	428405.0	0.486531	N
2	IC 410-72438/9	0.185	0.079404	5.0	449725.0	0.429211	N
3	IC 410-72438/8	0.925	0.411391	5.0	433444.0	0.444747	Y
4	IC 410-72438/7	2.775	1.330097	5.0	426593.0	0.479314	Y
5	ICIS 410-72438/2	5.55	2.625363	5.0	418464.0	0.473038	Y
6	IC 410-72438/6	9.25	4.631787	5.0	511850.0	0.500734	Y
7	IC 410-72438/5	14.8	7.228556	5.0	414984.0	0.488416	Y
8	IC 410-72438/4	22.2	10.087565	5.0	417061.0	0.454395	Y



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

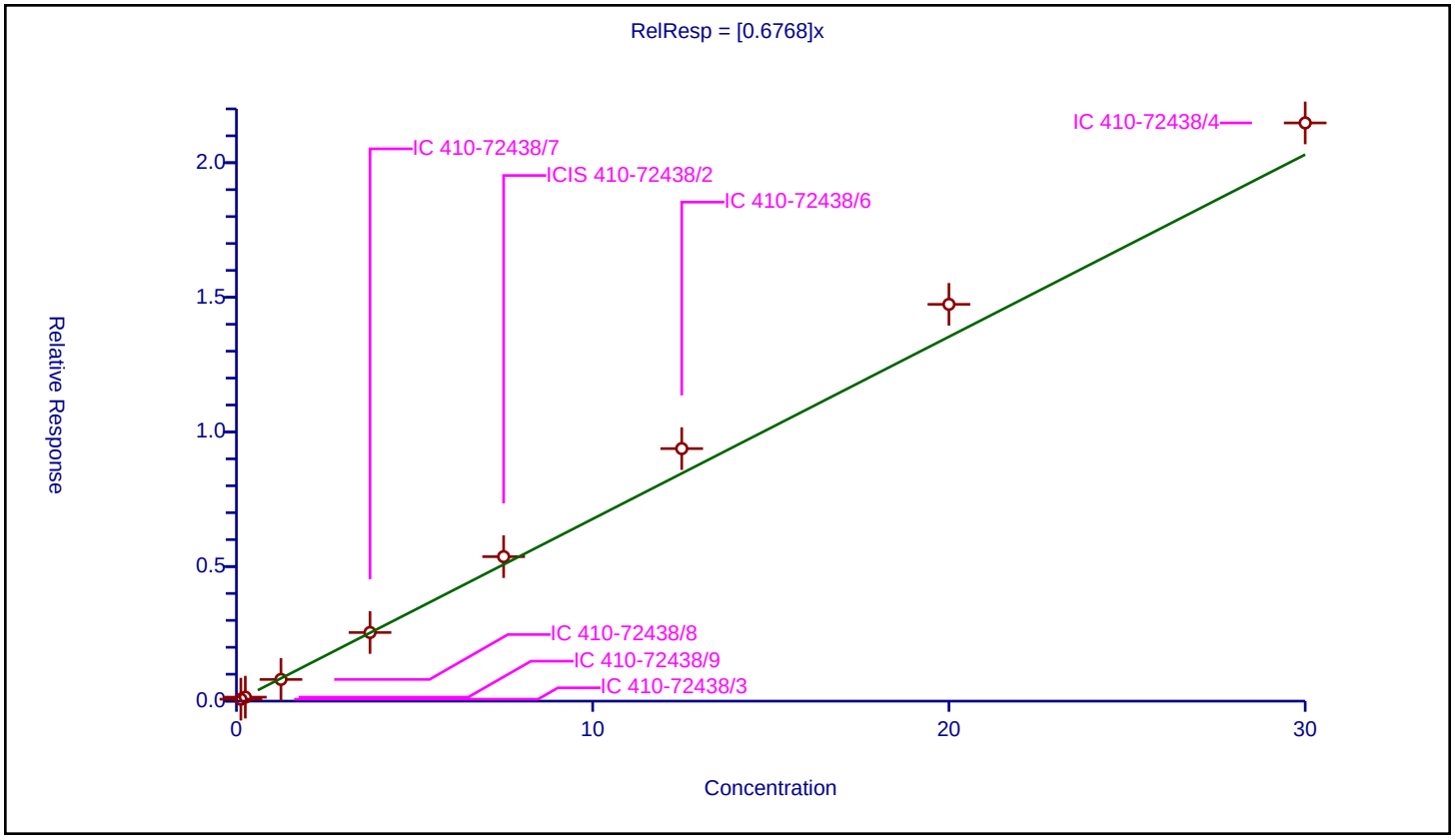
Curve Coefficients

Intercept:	0
Slope:	0.6768

Error Coefficients

Standard Error:	917000
Relative Standard Error:	9.7
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.072455	5.0	428405.0	0.579638	Y
2	IC 410-72438/9	0.25	0.147701	5.0	449725.0	0.590805	Y
3	IC 410-72438/8	1.25	0.806079	5.0	433444.0	0.644863	Y
4	IC 410-72438/7	3.75	2.549843	5.0	426593.0	0.679958	Y
5	ICIS 410-72438/2	7.5	5.36714	5.0	418464.0	0.715619	Y
6	IC 410-72438/6	12.5	9.380864	5.0	511850.0	0.750469	Y
7	IC 410-72438/5	20.0	14.740351	5.0	414984.0	0.737018	Y
8	IC 410-72438/4	30.0	21.478573	5.0	417061.0	0.715952	Y



Calibration / Phenacetin

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

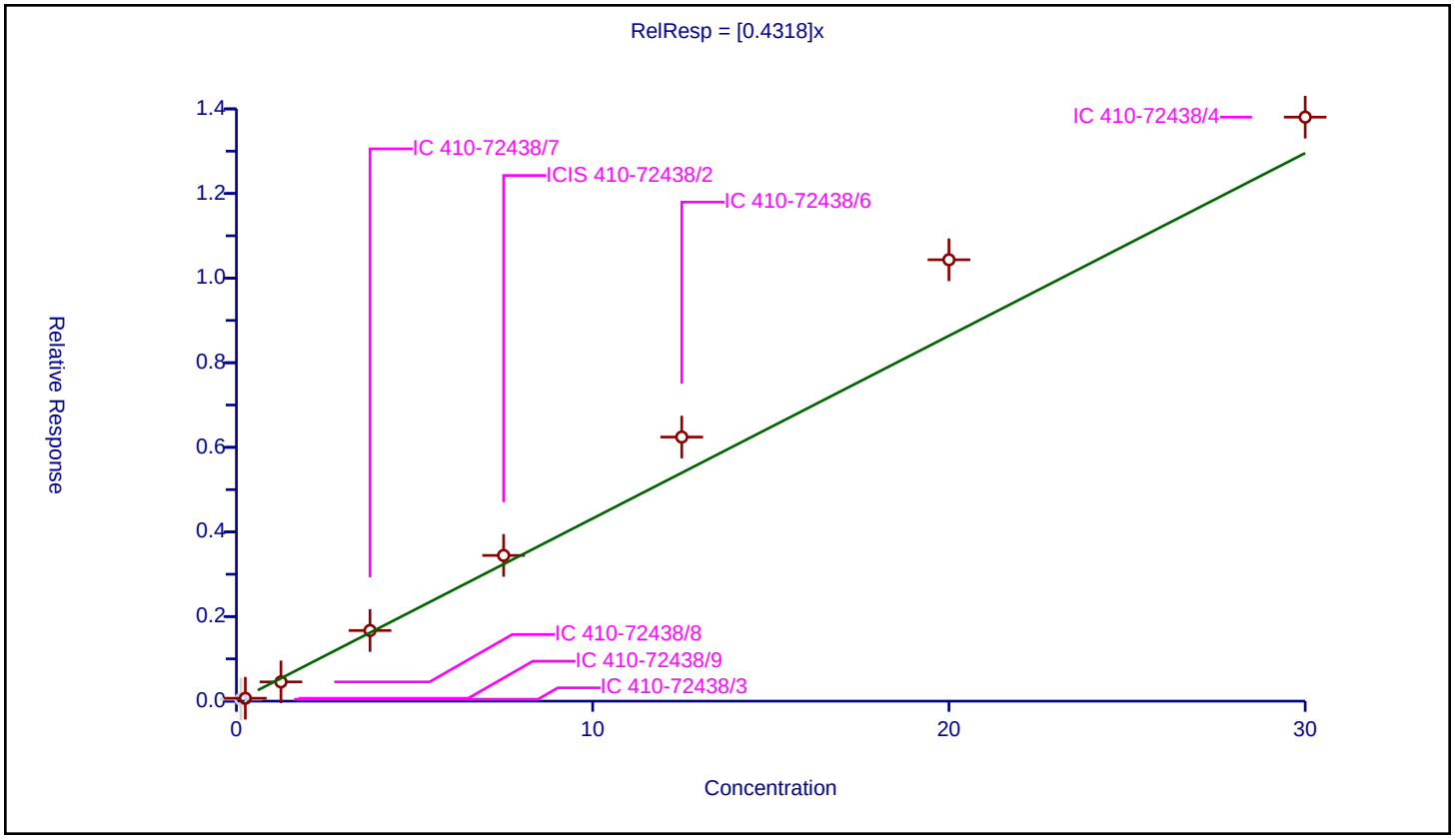
Curve Coefficients

Intercept:	0
Slope:	0.4318

Error Coefficients

Standard Error:	657000
Relative Standard Error:	19.9
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.046451	5.0	428405.0	0.371611	N
2	IC 410-72438/9	0.25	0.068264	5.0	449725.0	0.273056	Y
3	IC 410-72438/8	1.25	0.454718	5.0	433444.0	0.363775	Y
4	IC 410-72438/7	3.75	1.670292	5.0	426593.0	0.445411	Y
5	ICIS 410-72438/2	7.5	3.444478	5.0	418464.0	0.459264	Y
6	IC 410-72438/6	12.5	6.242483	5.0	511850.0	0.499399	Y
7	IC 410-72438/5	20.0	10.433559	5.0	414984.0	0.521678	Y
8	IC 410-72438/4	30.0	13.804575	5.0	417061.0	0.460153	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

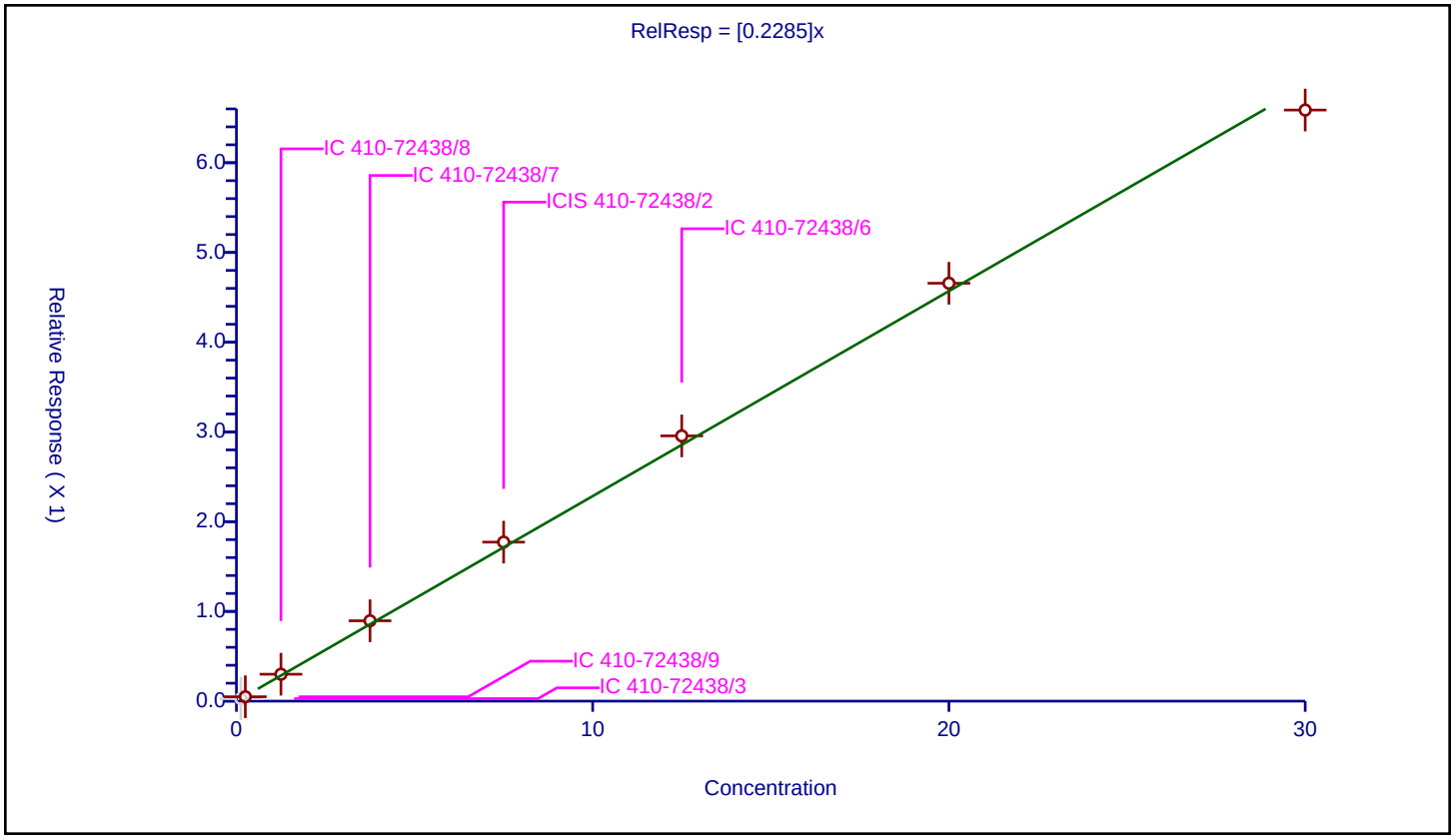
Curve Coefficients

Intercept:	0
Slope:	0.2285

Error Coefficients

Standard Error:	309000
Relative Standard Error:	7.1
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.027988	5.0	428405.0	0.2239	N
2	IC 410-72438/9	0.25	0.048819	5.0	449725.0	0.195275	Y
3	IC 410-72438/8	1.25	0.300062	5.0	433444.0	0.240049	Y
4	IC 410-72438/7	3.75	0.895537	5.0	426593.0	0.23881	Y
5	ICIS 410-72438/2	7.5	1.771956	5.0	418464.0	0.236261	Y
6	IC 410-72438/6	12.5	2.95611	5.0	511850.0	0.236489	Y
7	IC 410-72438/5	20.0	4.657155	5.0	414984.0	0.232858	Y
8	IC 410-72438/4	30.0	6.587214	5.0	417061.0	0.219574	Y



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

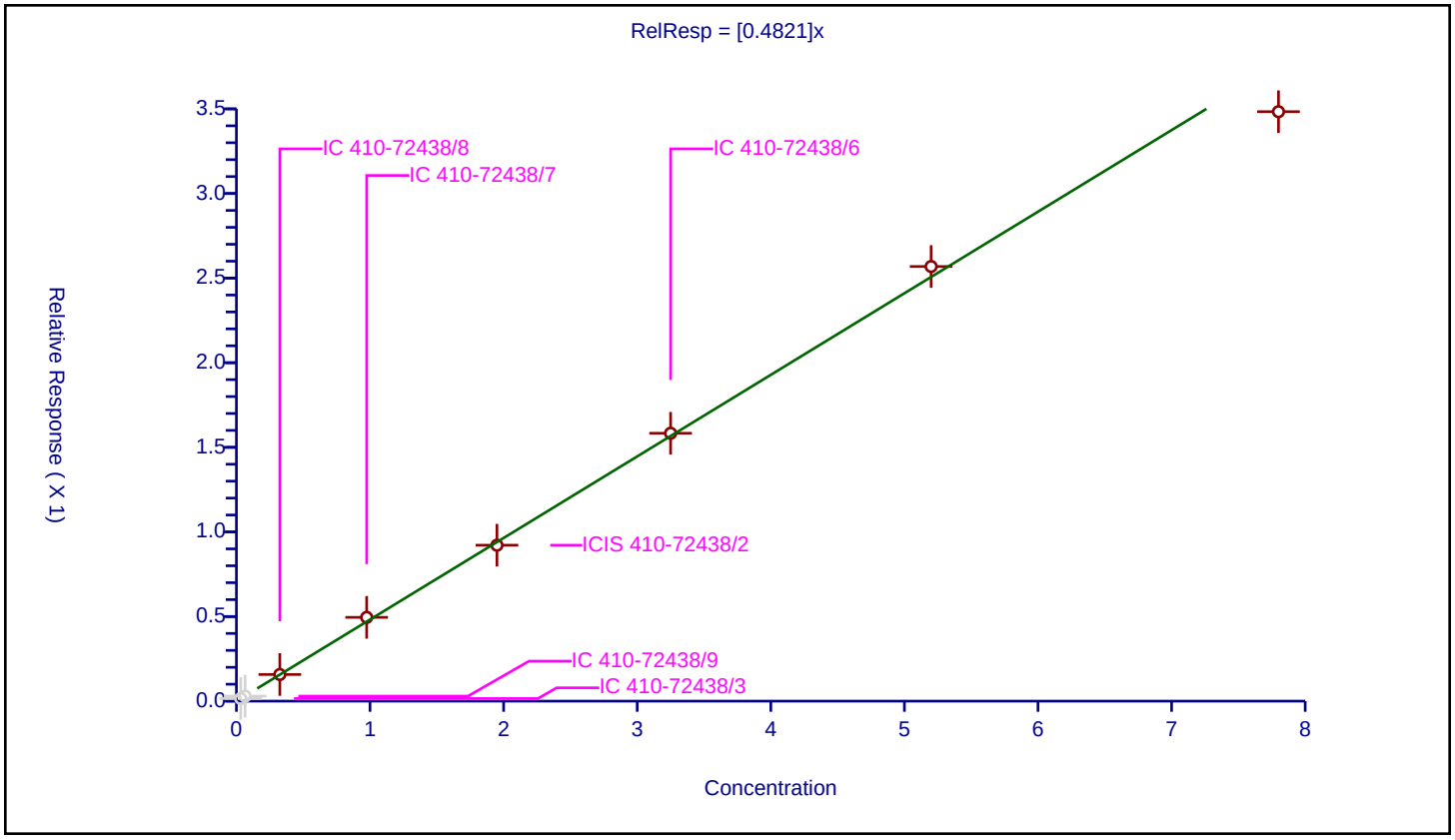
Curve Coefficients

Intercept:	0
Slope:	0.4821

Error Coefficients

Standard Error:	181000
Relative Standard Error:	4.3
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.0325	0.015534	5.0	428405.0	0.47798	N
2	IC 410-72438/9	0.065	0.029618	5.0	449725.0	0.455663	N
3	IC 410-72438/8	0.325	0.157448	5.0	433444.0	0.484456	Y
4	IC 410-72438/7	0.975	0.495062	5.0	426593.0	0.507756	Y
5	ICIS 410-72438/2	1.95	0.921477	5.0	418464.0	0.472552	Y
6	IC 410-72438/6	3.25	1.583061	5.0	511850.0	0.487096	Y
7	IC 410-72438/5	5.2	2.568448	5.0	414984.0	0.493932	Y
8	IC 410-72438/4	7.8	3.483519	5.0	417061.0	0.446605	Y



Calibration / Hexachlorobenzene

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

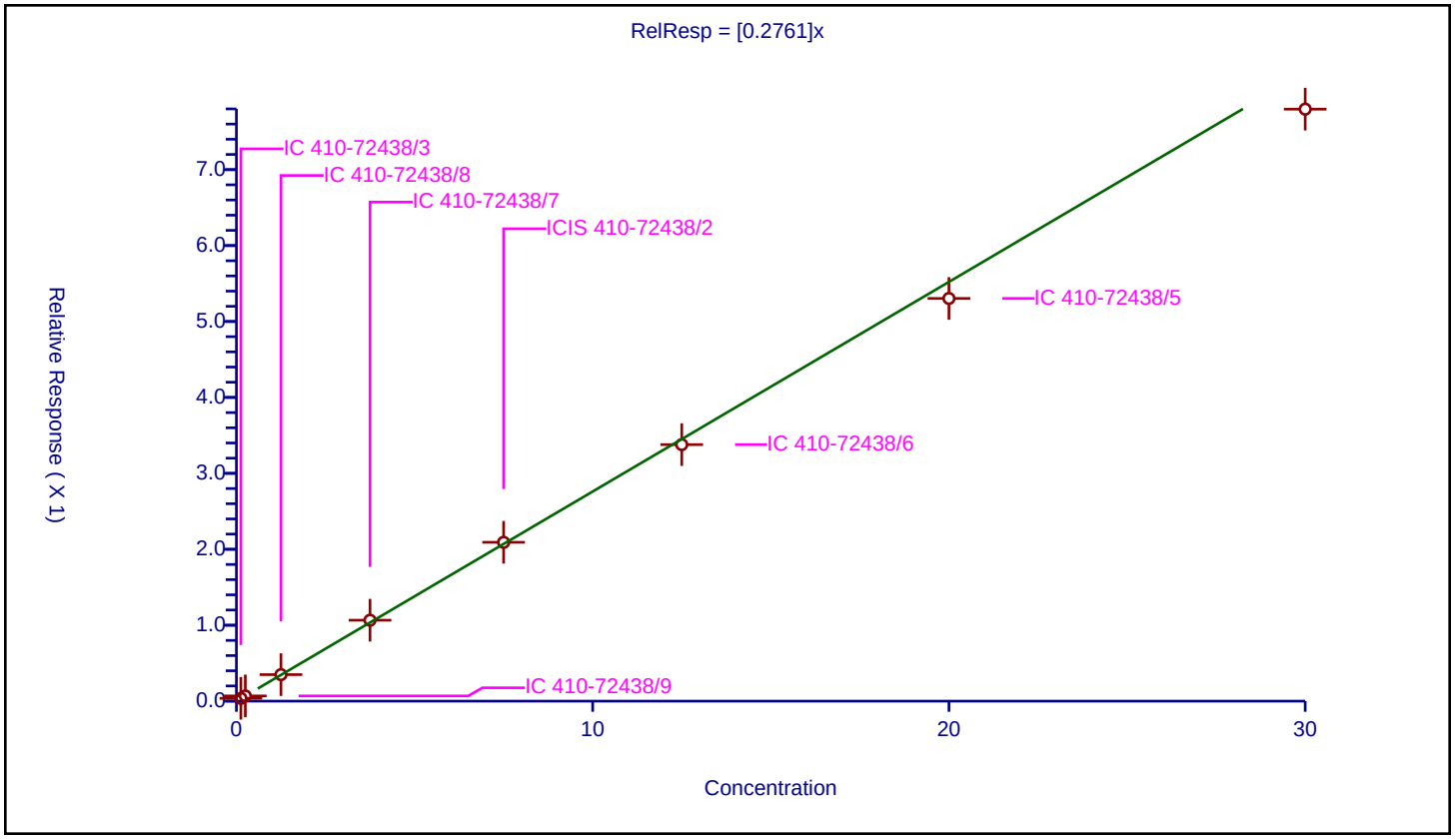
Curve Coefficients

Intercept:	0
Slope:	0.2761

Error Coefficients

Standard Error:	333000
Relative Standard Error:	4.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.037009	5.0	428405.0	0.296075	Y
2	IC 410-72438/9	0.25	0.068698	5.0	449725.0	0.27479	Y
3	IC 410-72438/8	1.25	0.349042	5.0	433444.0	0.279233	Y
4	IC 410-72438/7	3.75	1.065887	5.0	426593.0	0.284237	Y
5	ICIS 410-72438/2	7.5	2.091924	5.0	418464.0	0.278923	Y
6	IC 410-72438/6	12.5	3.378509	5.0	511850.0	0.270281	Y
7	IC 410-72438/5	20.0	5.303602	5.0	414984.0	0.26518	Y
8	IC 410-72438/4	30.0	7.796389	5.0	417061.0	0.25988	Y



Calibration / Dimethoate

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

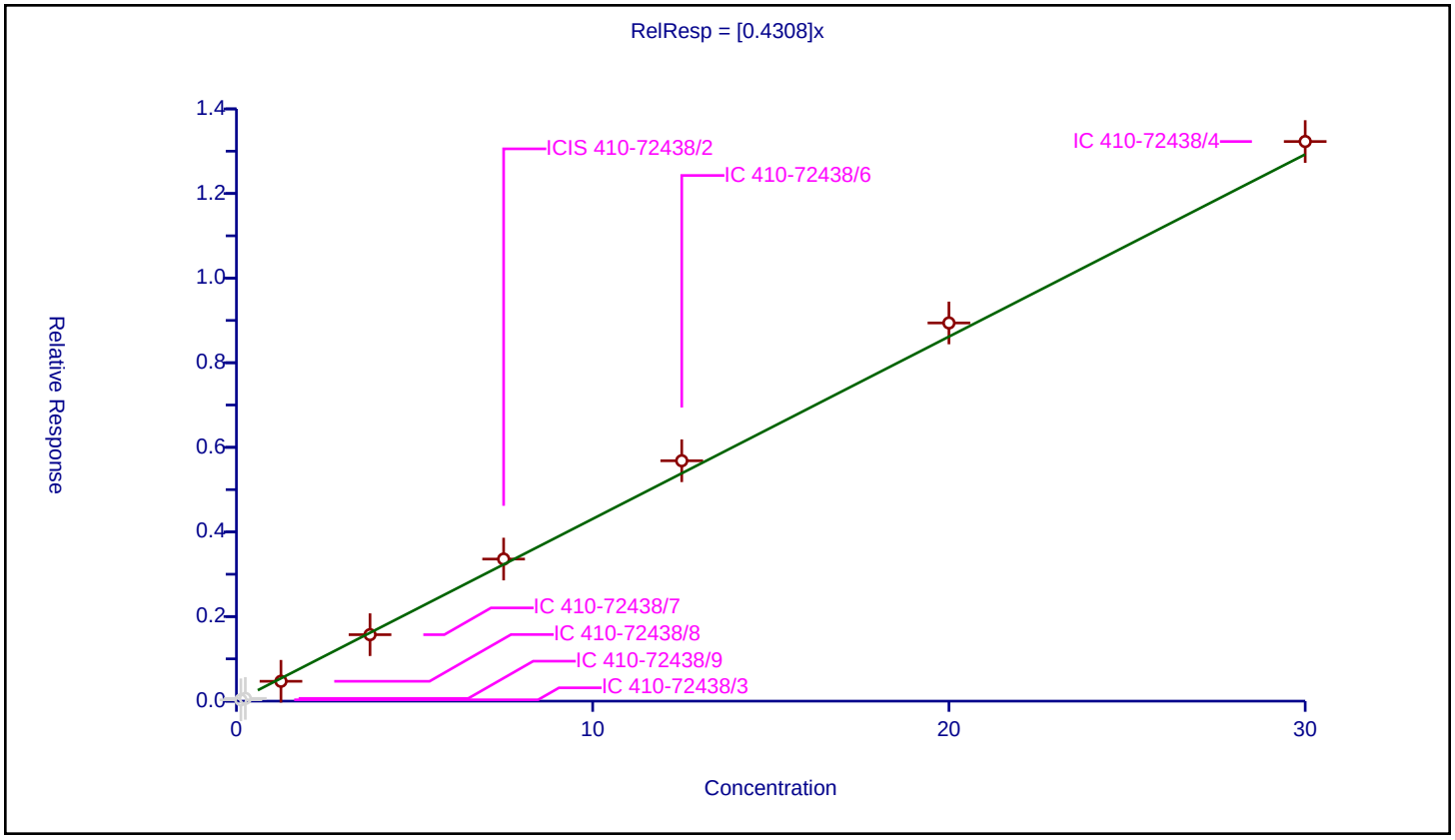
Curve Coefficients

Intercept:	0
Slope:	0.4308

Error Coefficients

Standard Error:	664000
Relative Standard Error:	6.9
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.032084	5.0	428405.0	0.256673	N
2	IC 410-72438/9	0.25	0.064417	5.0	449725.0	0.257669	N
3	IC 410-72438/8	1.25	0.469484	5.0	433444.0	0.375587	Y
4	IC 410-72438/7	3.75	1.571346	5.0	426593.0	0.419025	Y
5	ICIS 410-72438/2	7.5	3.35876	5.0	418464.0	0.447835	Y
6	IC 410-72438/6	12.5	5.682212	5.0	511850.0	0.454577	Y
7	IC 410-72438/5	20.0	8.939706	5.0	414984.0	0.446985	Y
8	IC 410-72438/4	30.0	13.22888	5.0	417061.0	0.440963	Y



Calibration / Atrazine

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

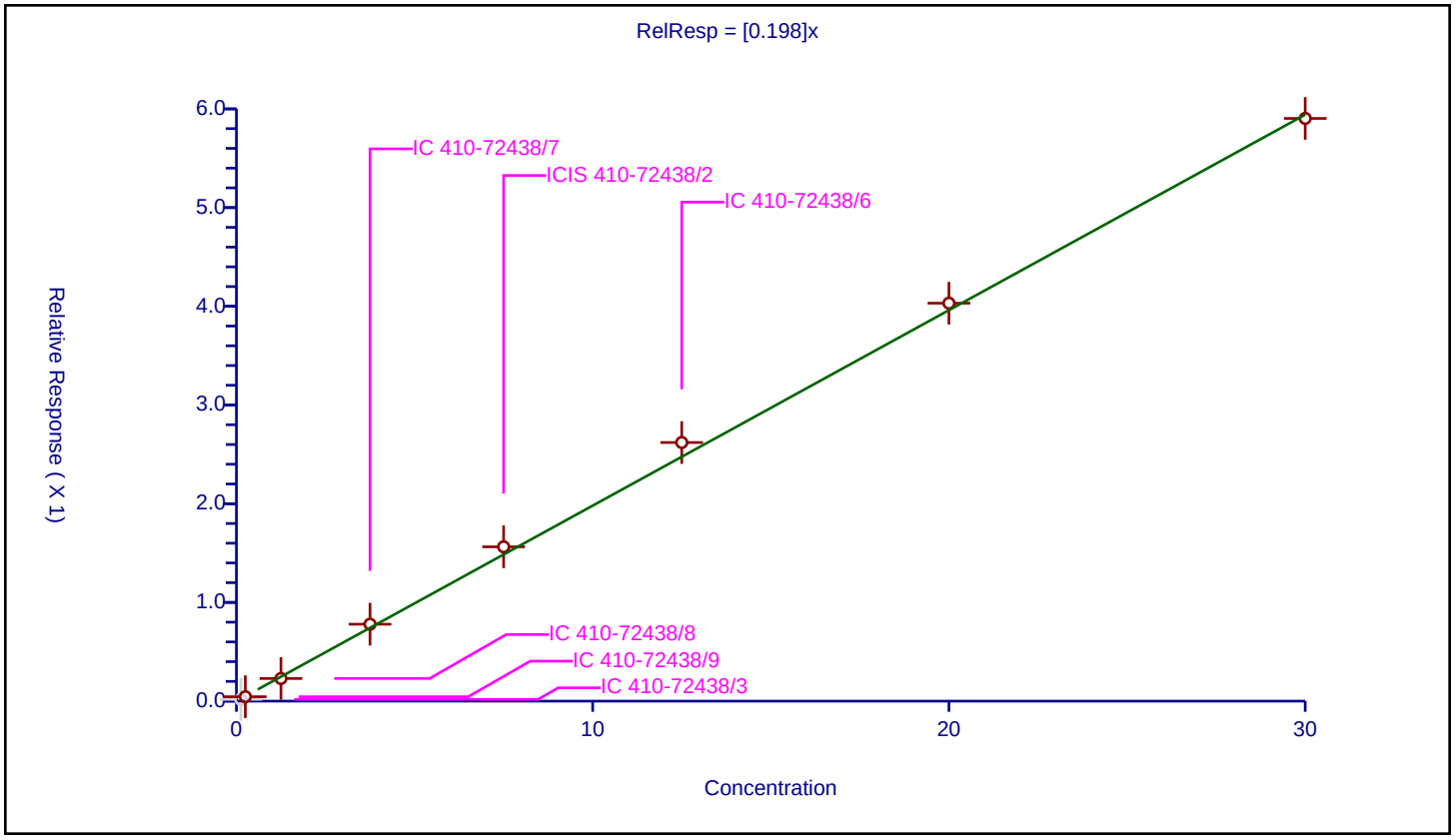
Curve Coefficients

Intercept:	0
Slope:	0.198

Error Coefficients

Standard Error:	273000
Relative Standard Error:	6.3
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.018055	5.0	428405.0	0.144443	N
2	IC 410-72438/9	0.25	0.044661	5.0	449725.0	0.178643	Y
3	IC 410-72438/8	1.25	0.22928	5.0	433444.0	0.183424	Y
4	IC 410-72438/7	3.75	0.779279	5.0	426593.0	0.207808	Y
5	ICIS 410-72438/2	7.5	1.563587	5.0	418464.0	0.208478	Y
6	IC 410-72438/6	12.5	2.620143	5.0	511850.0	0.209611	Y
7	IC 410-72438/5	20.0	4.031529	5.0	414984.0	0.201576	Y
8	IC 410-72438/4	30.0	5.903501	5.0	417061.0	0.196783	Y



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

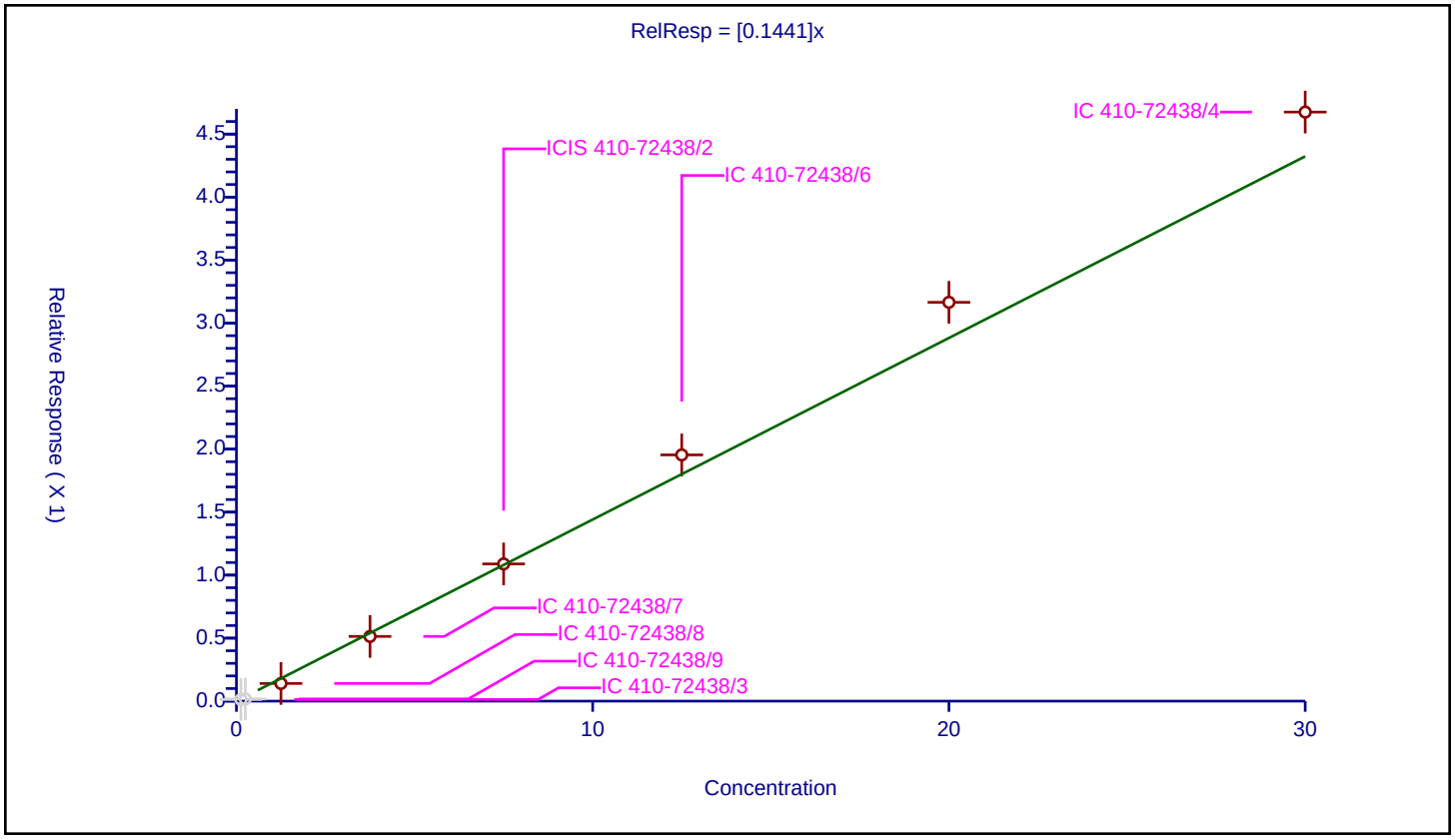
Curve Coefficients

Intercept:	0
Slope:	0.1441

Error Coefficients

Standard Error:	233000
Relative Standard Error:	12.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.013072	5.0	428405.0	0.104574	N
2	IC 410-72438/9	0.25	0.017355	5.0	449725.0	0.06942	N
3	IC 410-72438/8	1.25	0.140168	5.0	433444.0	0.112134	Y
4	IC 410-72438/7	3.75	0.513487	5.0	426593.0	0.13693	Y
5	ICIS 410-72438/2	7.5	1.088767	5.0	418464.0	0.145169	Y
6	IC 410-72438/6	12.5	1.954215	5.0	511850.0	0.156337	Y
7	IC 410-72438/5	20.0	3.16517	5.0	414984.0	0.158259	Y
8	IC 410-72438/4	30.0	4.67476	5.0	417061.0	0.155825	Y



Calibration / 4-Aminobiphenyl

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

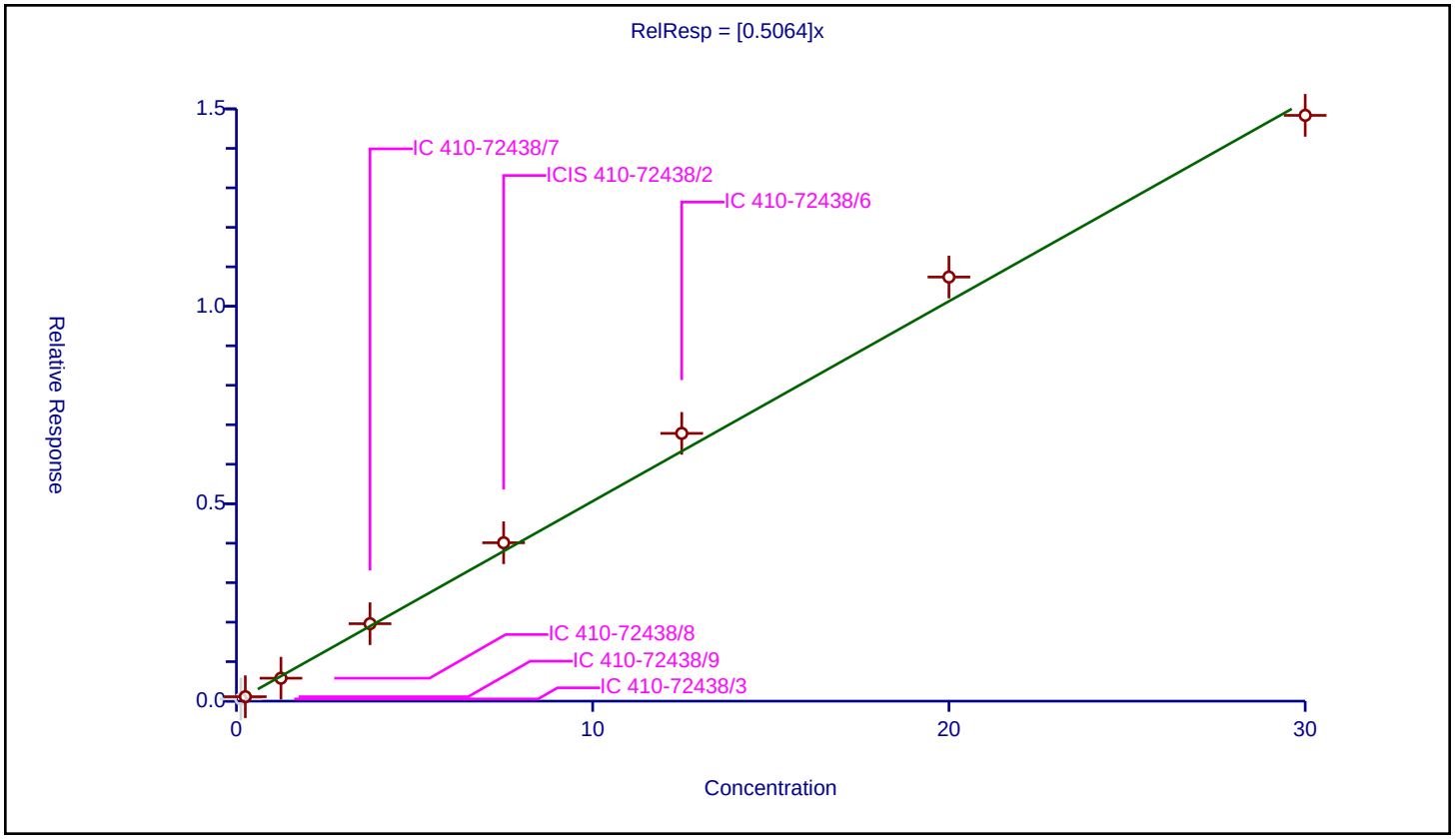
Curve Coefficients

Intercept:	0
Slope:	0.5064

Error Coefficients

Standard Error:	701000
Relative Standard Error:	7.5
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.055497	5.0	428405.0	0.443972	N
2	IC 410-72438/9	0.25	0.11198	5.0	449725.0	0.447918	Y
3	IC 410-72438/8	1.25	0.580975	5.0	433444.0	0.46478	Y
4	IC 410-72438/7	3.75	1.960967	5.0	426593.0	0.522925	Y
5	ICIS 410-72438/2	7.5	4.011396	5.0	418464.0	0.534853	Y
6	IC 410-72438/6	12.5	6.781977	5.0	511850.0	0.542558	Y
7	IC 410-72438/5	20.0	10.740908	5.0	414984.0	0.537045	Y
8	IC 410-72438/4	30.0	14.836091	5.0	417061.0	0.494536	Y



Calibration / Pentachloronitrobenzene

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

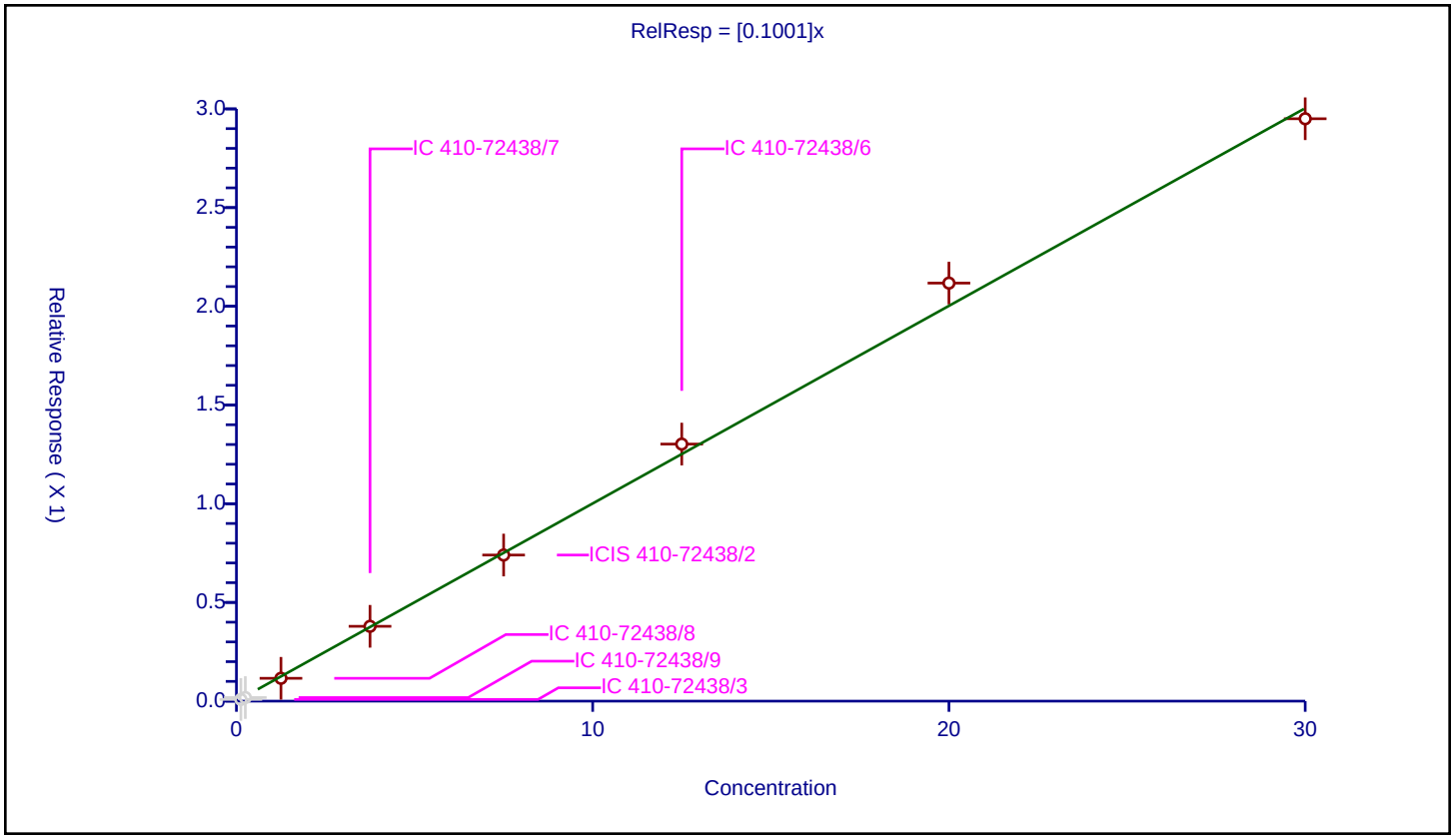
Curve Coefficients

Intercept:	0
Slope:	0.1001

Error Coefficients

Standard Error:	151000
Relative Standard Error:	4.7
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.008718	5.0	428405.0	0.069747	N
2	IC 410-72438/9	0.25	0.018122	5.0	449725.0	0.072489	N
3	IC 410-72438/8	1.25	0.115724	5.0	433444.0	0.092579	Y
4	IC 410-72438/7	3.75	0.378979	5.0	426593.0	0.101061	Y
5	ICIS 410-72438/2	7.5	0.740123	5.0	418464.0	0.098683	Y
6	IC 410-72438/6	12.5	1.30211	5.0	511850.0	0.104169	Y
7	IC 410-72438/5	20.0	2.117552	5.0	414984.0	0.105878	Y
8	IC 410-72438/4	30.0	2.950108	5.0	417061.0	0.098337	Y



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

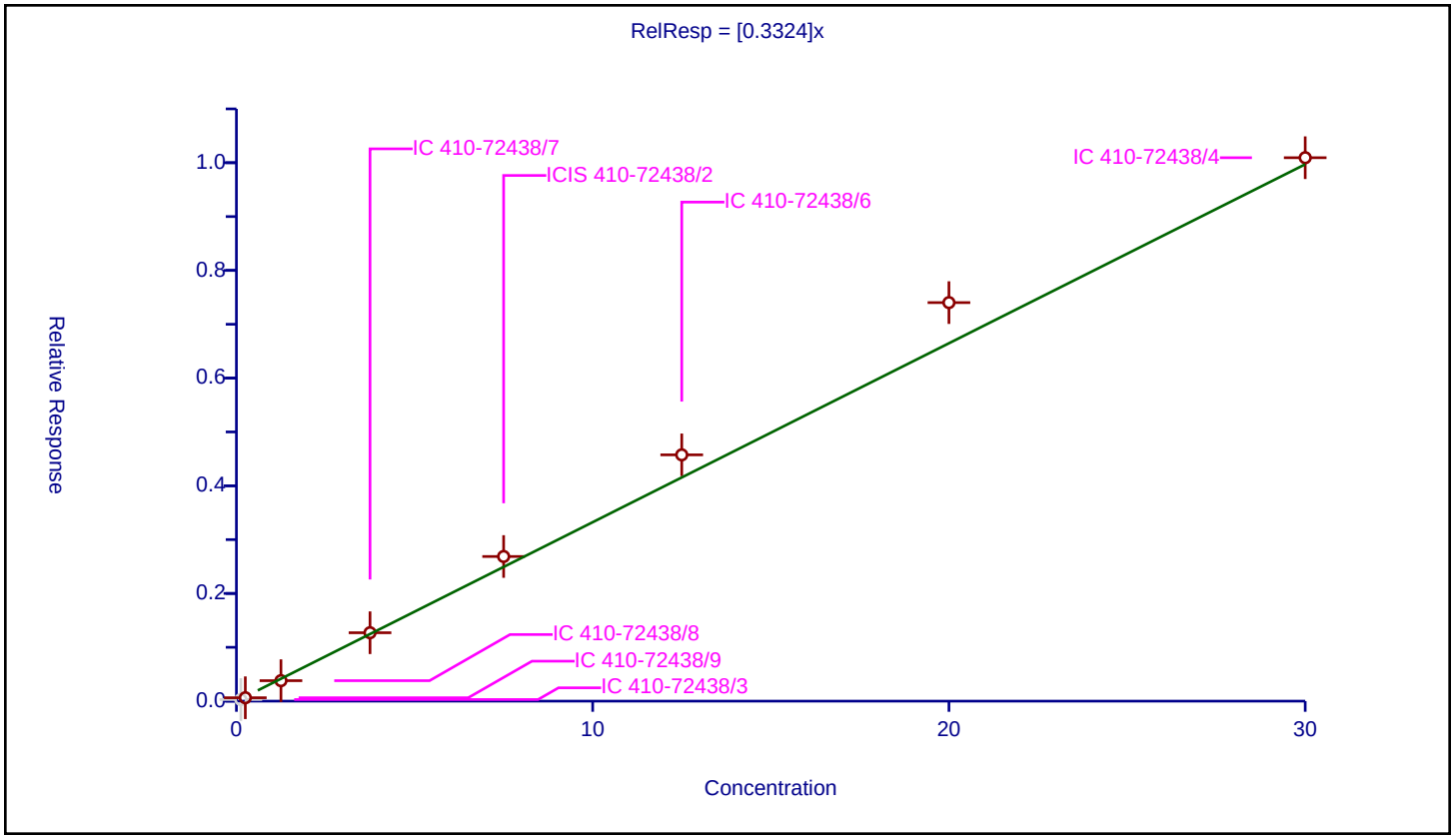
Curve Coefficients

Intercept:	0
Slope:	0.3324

Error Coefficients

Standard Error:	478000
Relative Standard Error:	12.5
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.030147	5.0	428405.0	0.241174	N
2	IC 410-72438/9	0.25	0.063228	5.0	449725.0	0.25291	Y
3	IC 410-72438/8	1.25	0.37998	5.0	433444.0	0.303984	Y
4	IC 410-72438/7	3.75	1.270801	5.0	426593.0	0.33888	Y
5	ICIS 410-72438/2	7.5	2.686599	5.0	418464.0	0.358213	Y
6	IC 410-72438/6	12.5	4.574797	5.0	511850.0	0.365984	Y
7	IC 410-72438/5	20.0	7.401972	5.0	414984.0	0.370099	Y
8	IC 410-72438/4	30.0	10.093116	5.0	417061.0	0.336437	Y



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

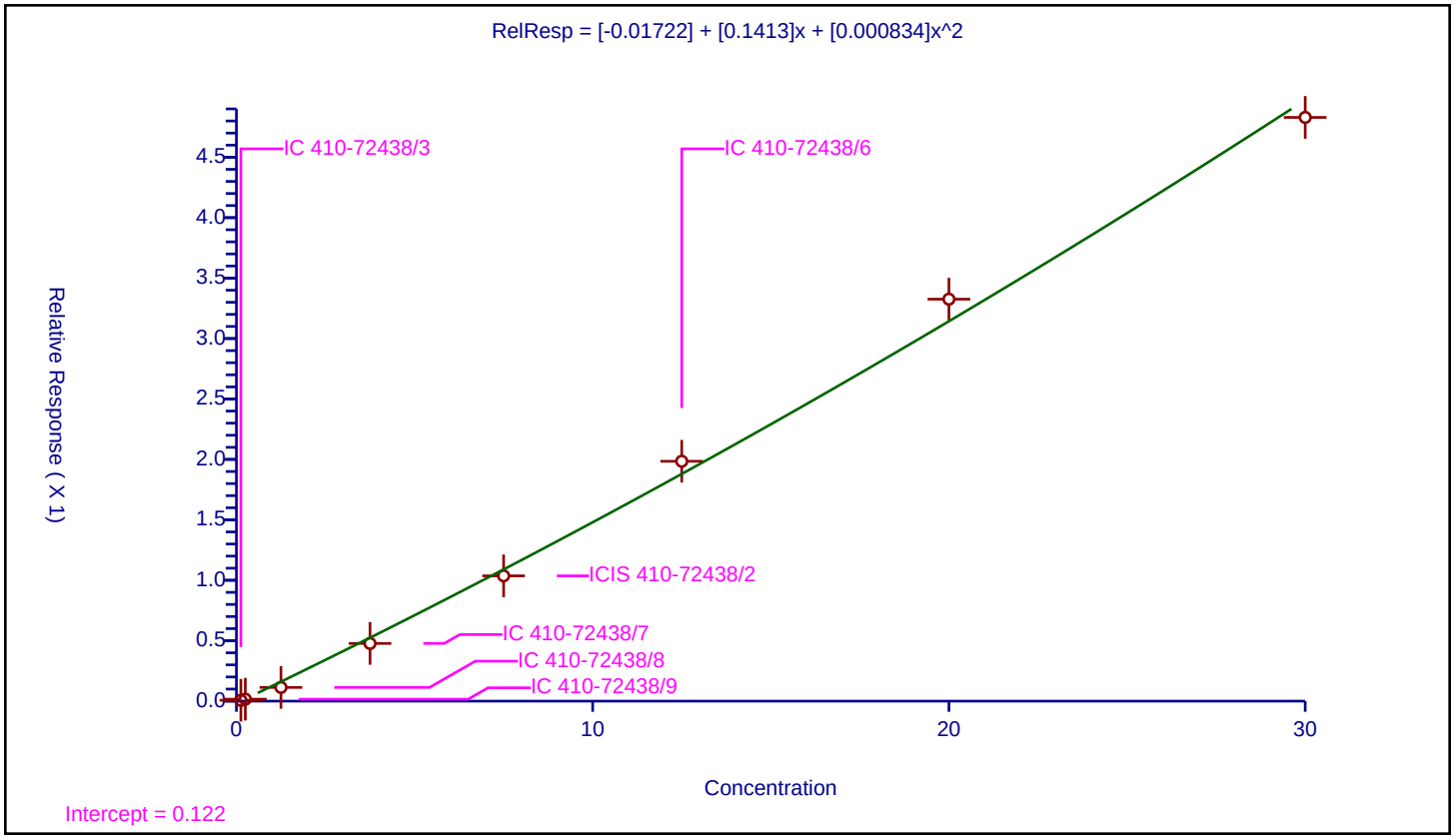
Curve Coefficients

Intercept:	-0.01722
Slope:	0.1413
Second Order:	0.000834

Error Coefficients

Standard Error:	240000
Relative Standard Error:	21.4
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.007073	5.0	428405.0	0.056582	Y
2	IC 410-72438/9	0.25	0.016132	5.0	449725.0	0.064528	Y
3	IC 410-72438/8	1.25	0.113475	5.0	433444.0	0.09078	Y
4	IC 410-72438/7	3.75	0.477352	5.0	426593.0	0.127294	Y
5	ICIS 410-72438/2	7.5	1.036481	5.0	418464.0	0.138197	Y
6	IC 410-72438/6	12.5	1.984654	5.0	511850.0	0.158772	Y
7	IC 410-72438/5	20.0	3.325743	5.0	414984.0	0.166287	Y
8	IC 410-72438/4	30.0	4.829449	5.0	417061.0	0.160982	Y



Calibration / Phenanthrene

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

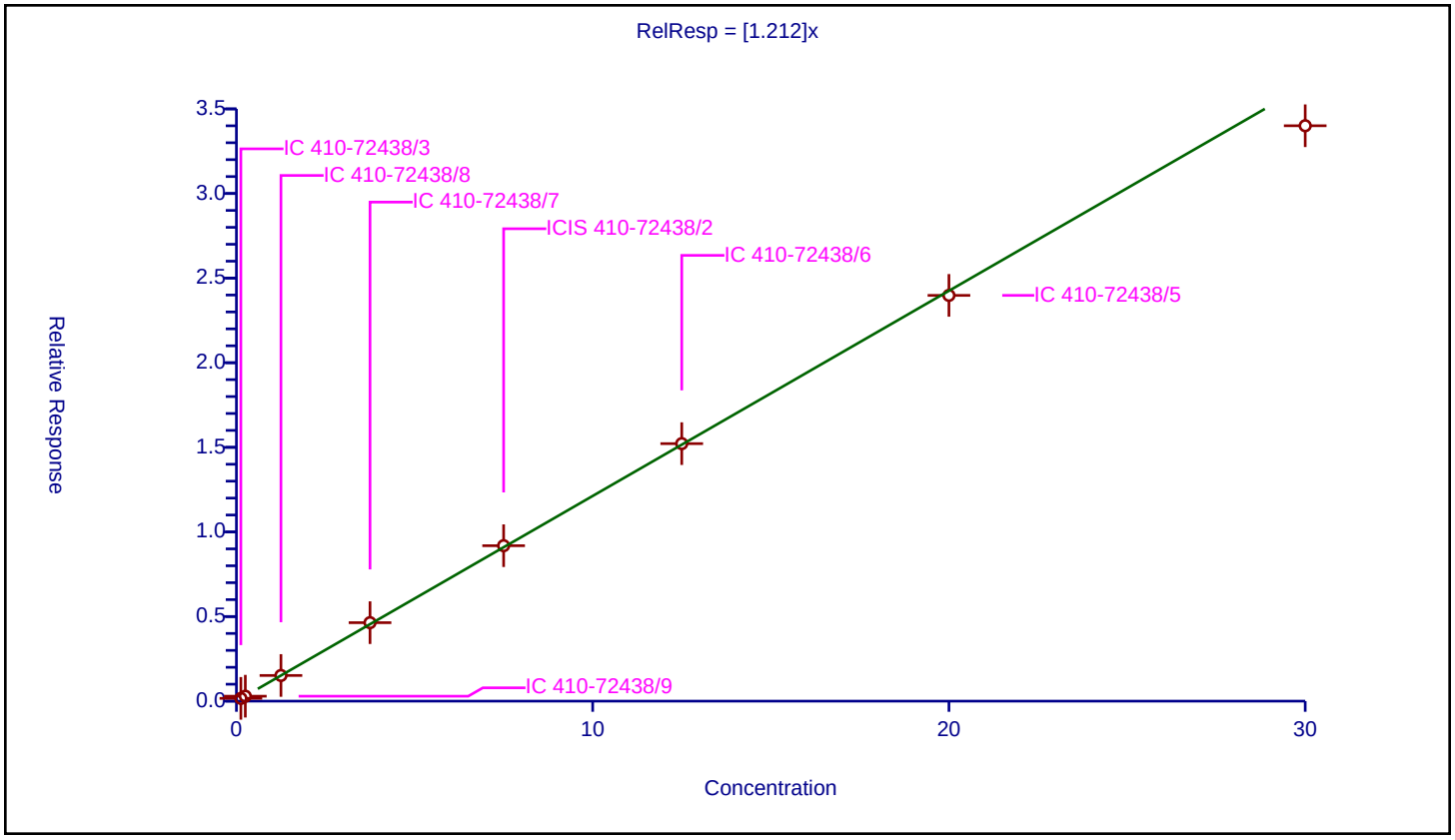
Curve Coefficients

Intercept:	0
Slope:	1.212

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	4.3
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.163747	5.0	428405.0	1.309975	Y
2	IC 410-72438/9	0.25	0.291245	5.0	449725.0	1.164979	Y
3	IC 410-72438/8	1.25	1.516678	5.0	433444.0	1.213342	Y
4	IC 410-72438/7	3.75	4.638027	5.0	426593.0	1.236807	Y
5	ICIS 410-72438/2	7.5	9.186238	5.0	418464.0	1.224832	Y
6	IC 410-72438/6	12.5	15.217876	5.0	511850.0	1.21743	Y
7	IC 410-72438/5	20.0	23.97884	5.0	414984.0	1.198942	Y
8	IC 410-72438/4	30.0	34.003983	5.0	417061.0	1.133466	Y



Calibration / Anthracene

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

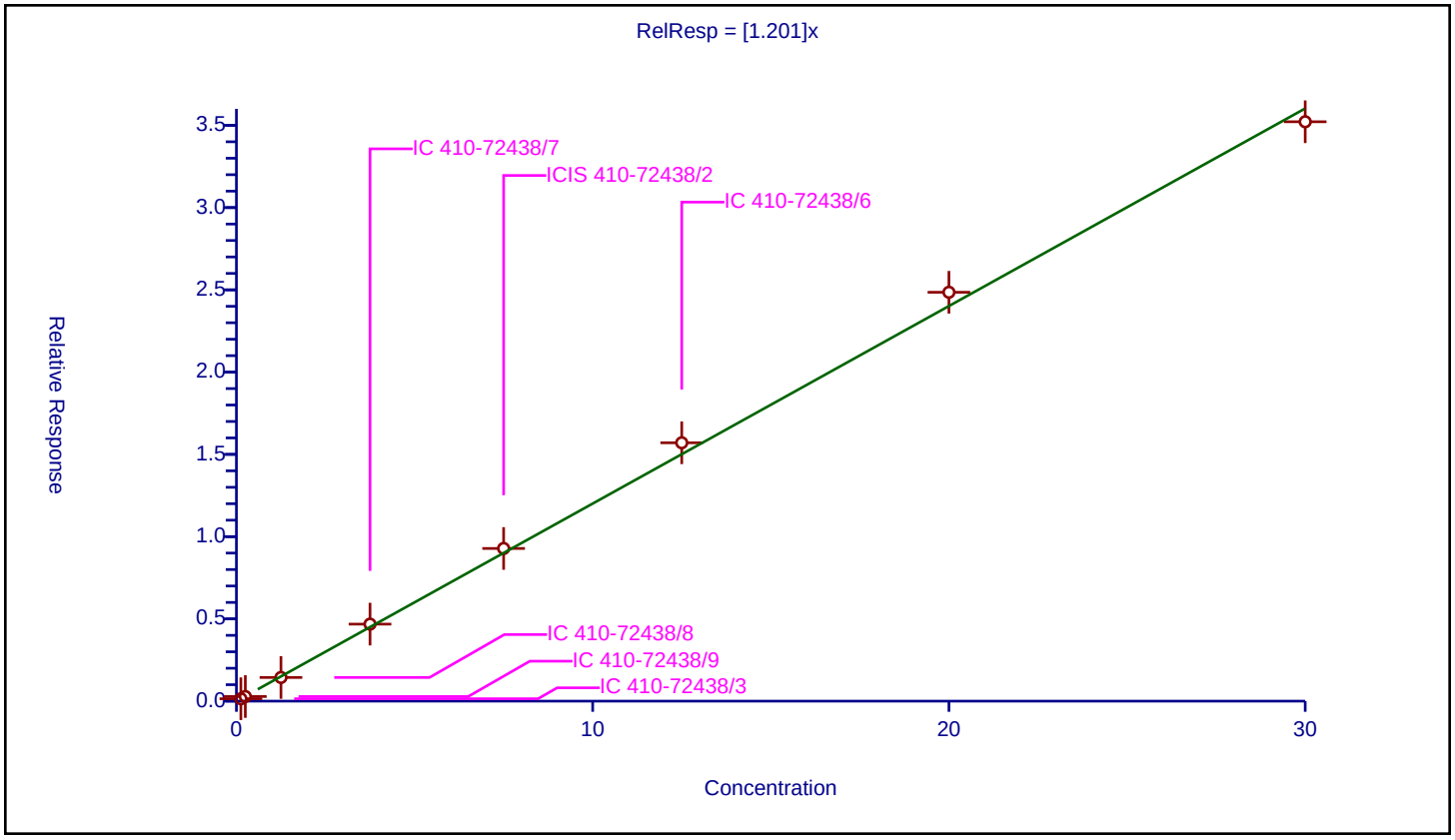
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	4.2
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.146427	5.0	428405.0	1.171415	Y
2	IC 410-72438/9	0.25	0.281494	5.0	449725.0	1.125977	Y
3	IC 410-72438/8	1.25	1.438087	5.0	433444.0	1.150469	Y
4	IC 410-72438/7	3.75	4.681676	5.0	426593.0	1.248447	Y
5	ICIS 410-72438/2	7.5	9.280547	5.0	418464.0	1.237406	Y
6	IC 410-72438/6	12.5	15.70548	5.0	511850.0	1.256438	Y
7	IC 410-72438/5	20.0	24.854127	5.0	414984.0	1.242706	Y
8	IC 410-72438/4	30.0	35.218289	5.0	417061.0	1.173943	Y



Calibration / Carbazole

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

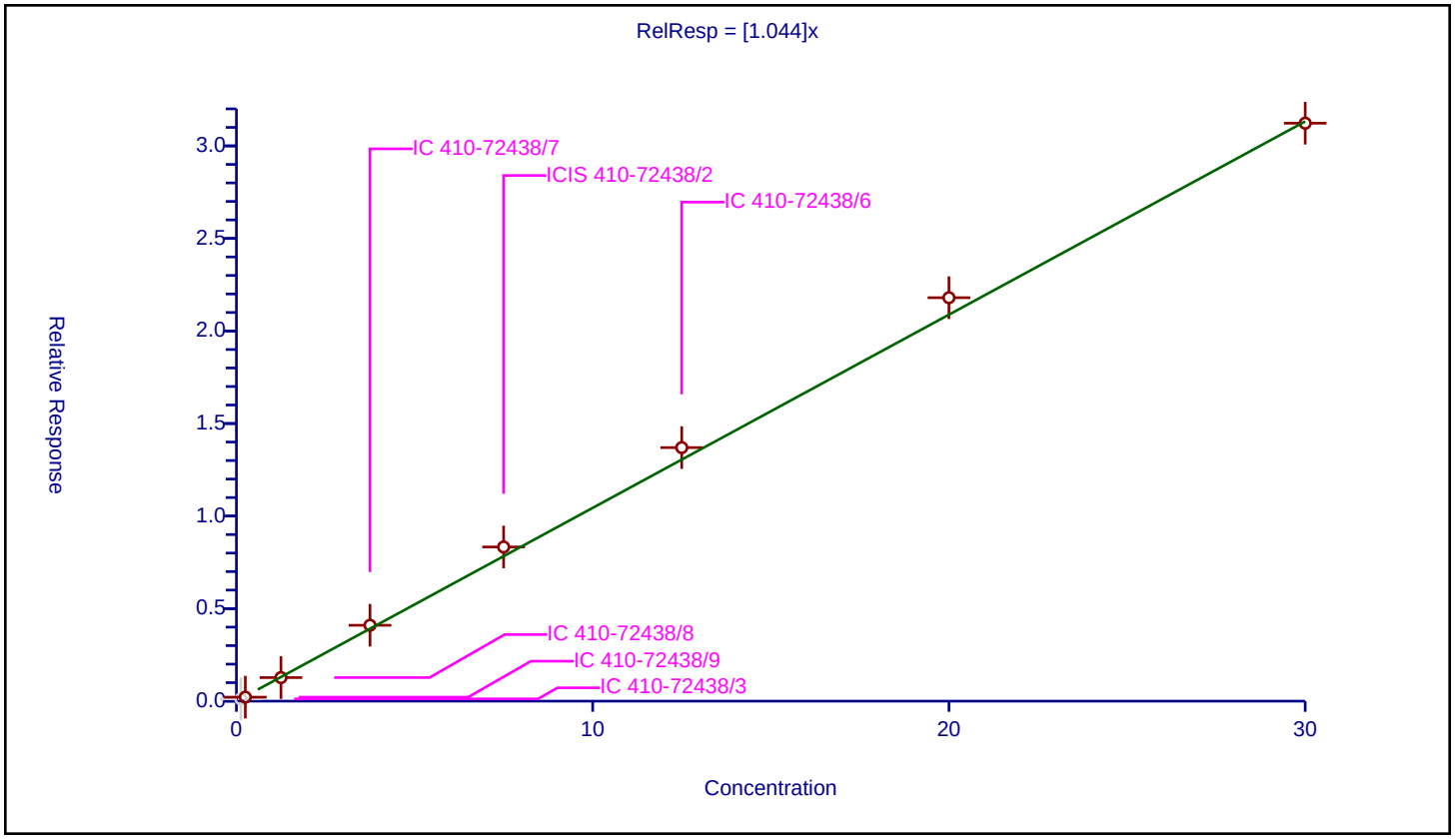
Curve Coefficients

Intercept:	0
Slope:	1.044

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	8.4
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.120914	5.0	428405.0	0.967309	N
2	IC 410-72438/9	0.25	0.215043	5.0	449725.0	0.86017	Y
3	IC 410-72438/8	1.25	1.272621	5.0	433444.0	1.018097	Y
4	IC 410-72438/7	3.75	4.099235	5.0	426593.0	1.093129	Y
5	ICIS 410-72438/2	7.5	8.329498	5.0	418464.0	1.1106	Y
6	IC 410-72438/6	12.5	13.698838	5.0	511850.0	1.095907	Y
7	IC 410-72438/5	20.0	21.797732	5.0	414984.0	1.089887	Y
8	IC 410-72438/4	30.0	31.226032	5.0	417061.0	1.040868	Y



Calibration / Methyl parathion

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

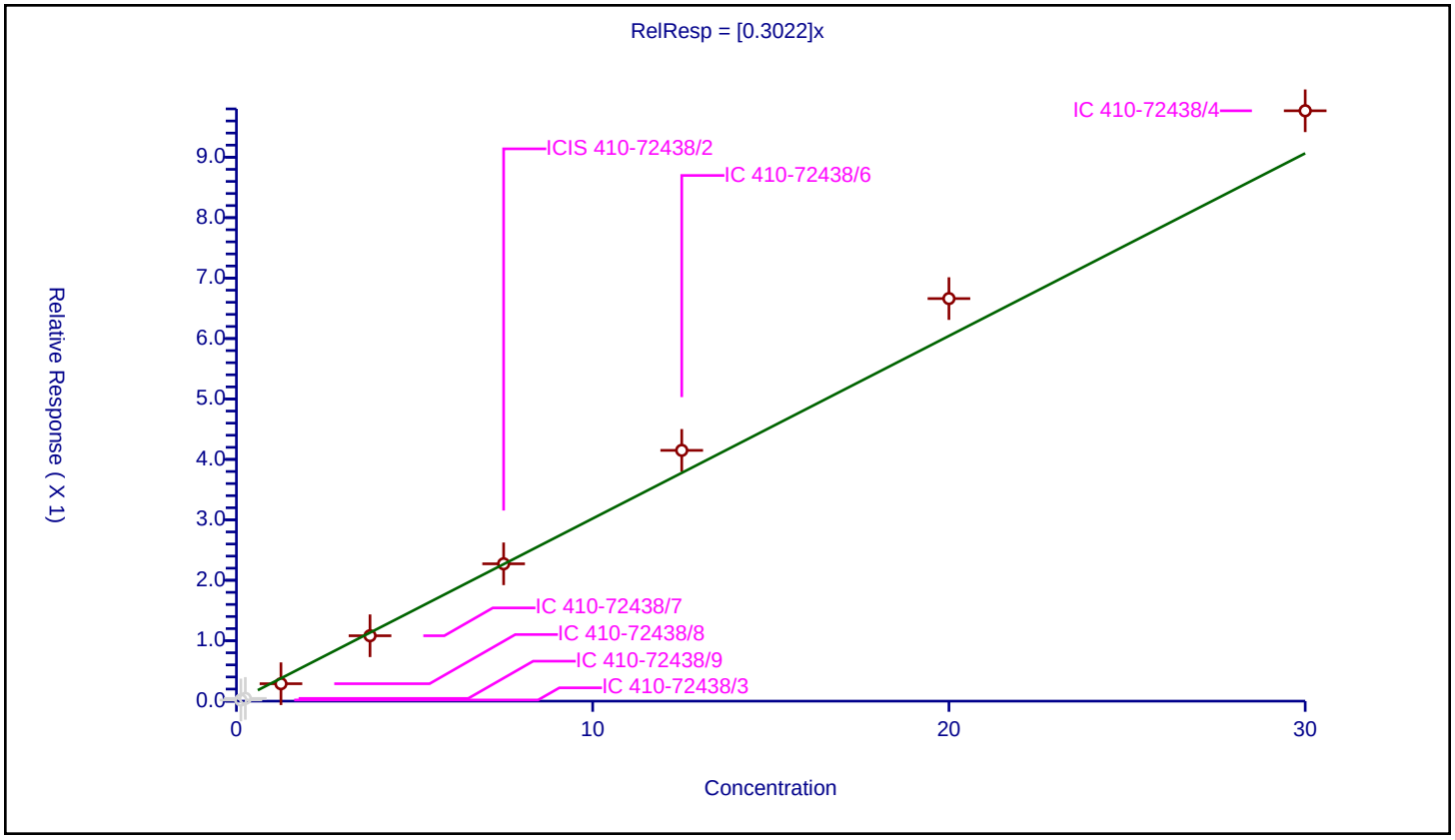
Curve Coefficients

Intercept:	0
Slope:	0.3022

Error Coefficients

Standard Error:	489000
Relative Standard Error:	13.0
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.019001	5.0	428405.0	0.152006	N
2	IC 410-72438/9	0.25	0.045228	5.0	449725.0	0.180911	N
3	IC 410-72438/8	1.25	0.288319	5.0	433444.0	0.230655	Y
4	IC 410-72438/7	3.75	1.08239	5.0	426593.0	0.288637	Y
5	ICIS 410-72438/2	7.5	2.272477	5.0	418464.0	0.302997	Y
6	IC 410-72438/6	12.5	4.149741	5.0	511850.0	0.331979	Y
7	IC 410-72438/5	20.0	6.661305	5.0	414984.0	0.333065	Y
8	IC 410-72438/4	30.0	9.768835	5.0	417061.0	0.325628	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

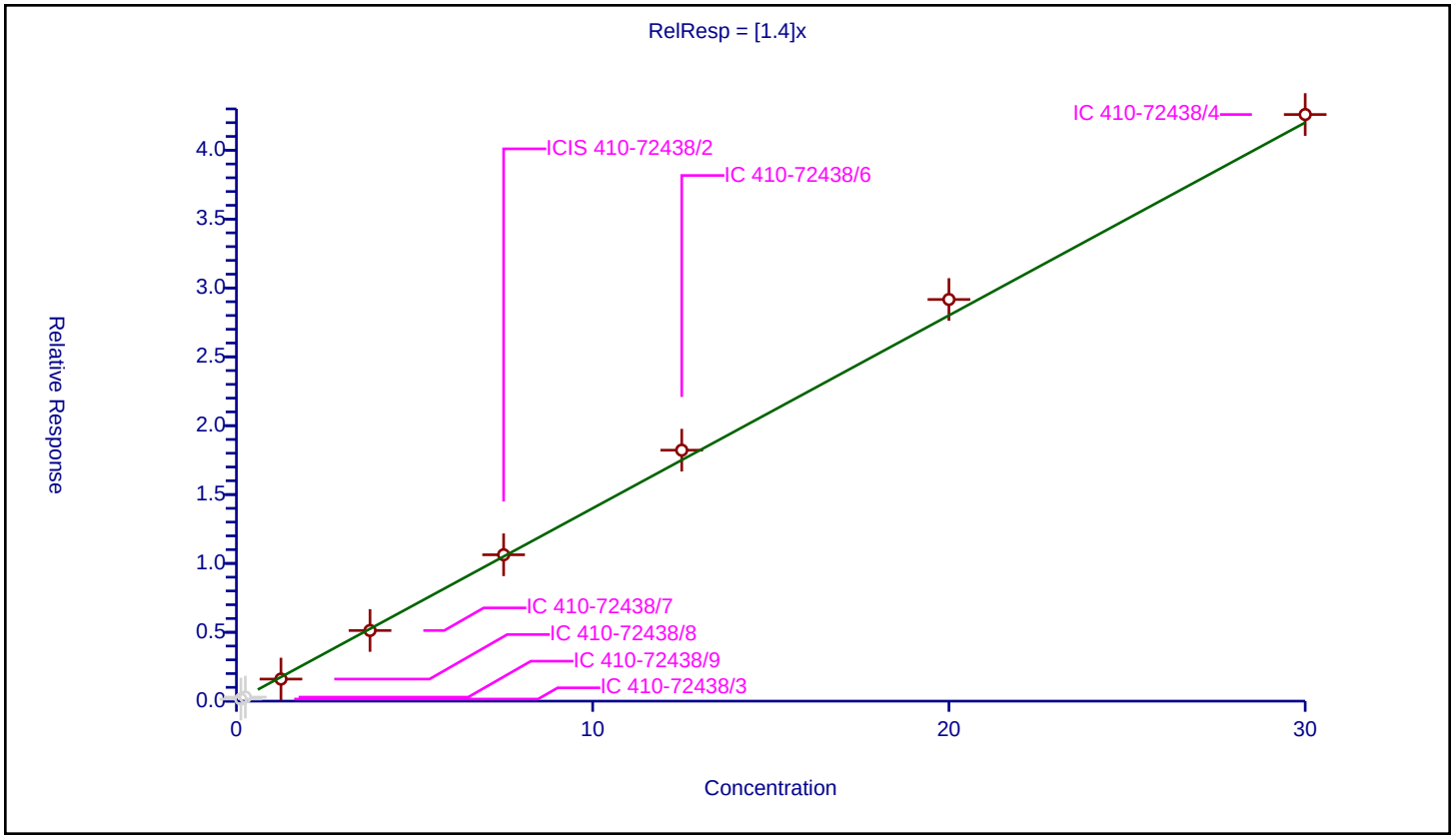
Curve Coefficients

Intercept:	0
Slope:	1.4

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	4.8
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.151784	5.0	428405.0	1.214272	N
2	IC 410-72438/9	0.25	0.293835	5.0	449725.0	1.17534	N
3	IC 410-72438/8	1.25	1.602329	5.0	433444.0	1.281863	Y
4	IC 410-72438/7	3.75	5.128342	5.0	426593.0	1.367558	Y
5	ICIS 410-72438/2	7.5	10.626159	5.0	418464.0	1.416821	Y
6	IC 410-72438/6	12.5	18.220504	5.0	511850.0	1.45764	Y
7	IC 410-72438/5	20.0	29.162462	5.0	414984.0	1.458123	Y
8	IC 410-72438/4	30.0	42.592139	5.0	417061.0	1.419738	Y



Calibration / Ethyl Parathion

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

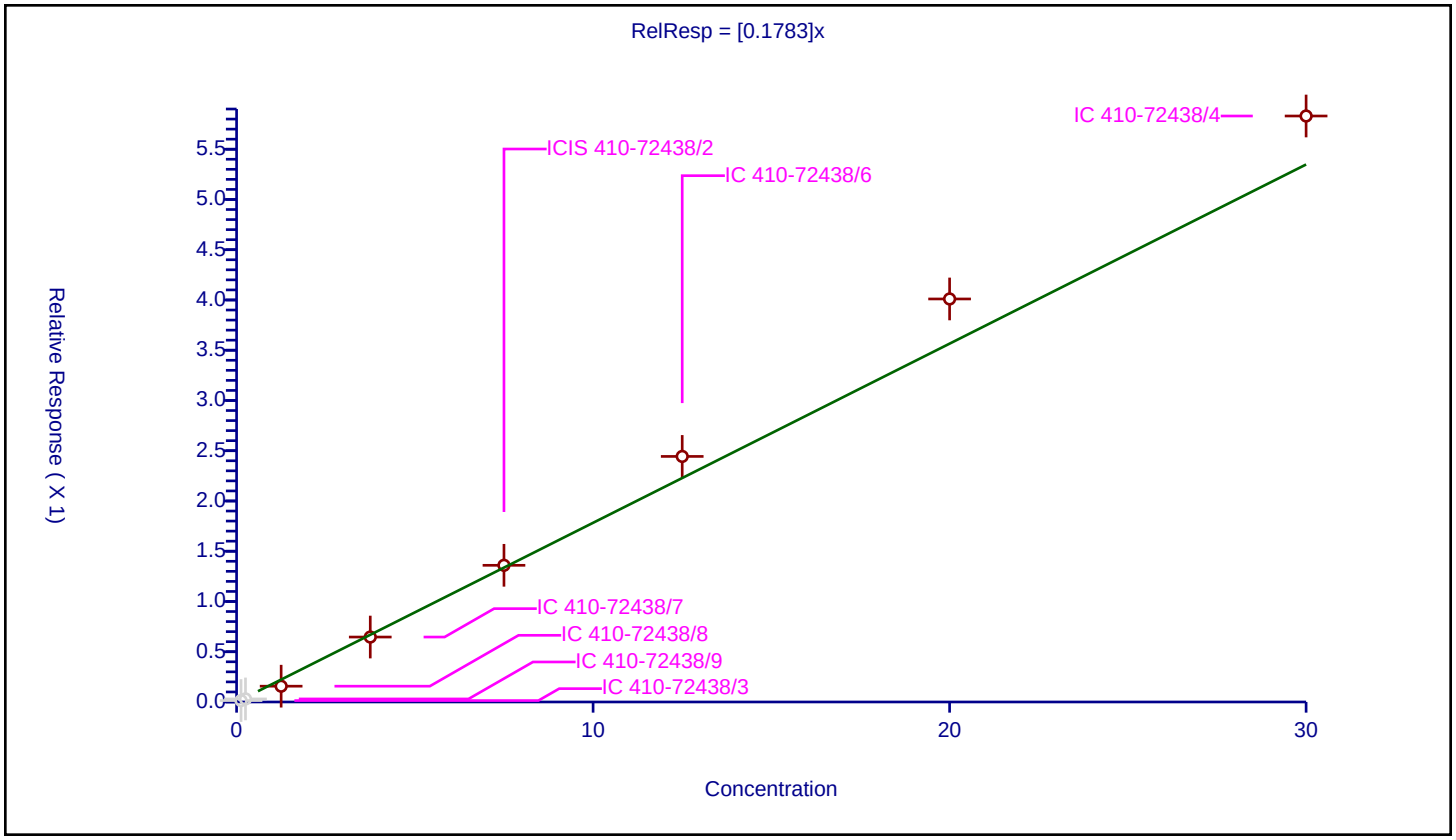
Curve Coefficients

Intercept:	0
Slope:	0.1783

Error Coefficients

Standard Error:	292000
Relative Standard Error:	15.6
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.014309	5.0	428405.0	0.114471	N
2	IC 410-72438/9	0.25	0.030474	5.0	449725.0	0.121897	N
3	IC 410-72438/8	1.25	0.157114	5.0	433444.0	0.125691	Y
4	IC 410-72438/7	3.75	0.646119	5.0	426593.0	0.172298	Y
5	ICIS 410-72438/2	7.5	1.359998	5.0	418464.0	0.181333	Y
6	IC 410-72438/6	12.5	2.443392	5.0	511850.0	0.195471	Y
7	IC 410-72438/5	20.0	4.010167	5.0	414984.0	0.200508	Y
8	IC 410-72438/4	30.0	5.830382	5.0	417061.0	0.194346	Y



Calibration / 4-Nitroquinoline-1-oxide

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

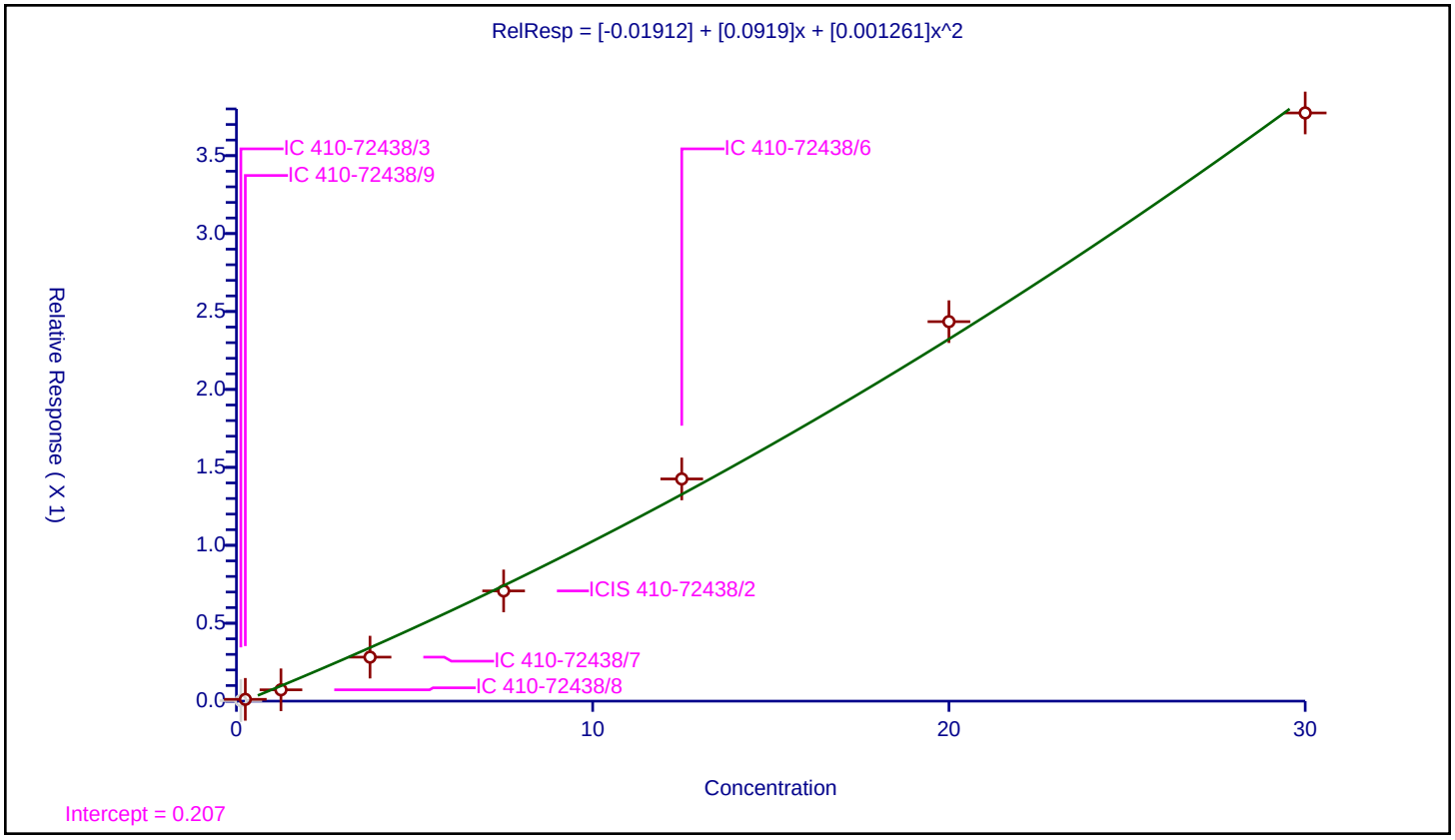
Curve Coefficients

Intercept:	-0.01912
Slope:	0.0919
Second Order:	0.001261

Error Coefficients

Standard Error:	203000
Relative Standard Error:	21.6
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.003256	5.0	428405.0	0.02605	N
2	IC 410-72438/9	0.25	0.011574	5.0	449725.0	0.046295	Y
3	IC 410-72438/8	1.25	0.072639	5.0	433444.0	0.058111	Y
4	IC 410-72438/7	3.75	0.282435	5.0	426593.0	0.075316	Y
5	ICIS 410-72438/2	7.5	0.707313	5.0	418464.0	0.094308	Y
6	IC 410-72438/6	12.5	1.425691	5.0	511850.0	0.114055	Y
7	IC 410-72438/5	20.0	2.434925	5.0	414984.0	0.121746	Y
8	IC 410-72438/4	30.0	3.7741	5.0	417061.0	0.125803	Y



Calibration / Octachlorostyrene

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

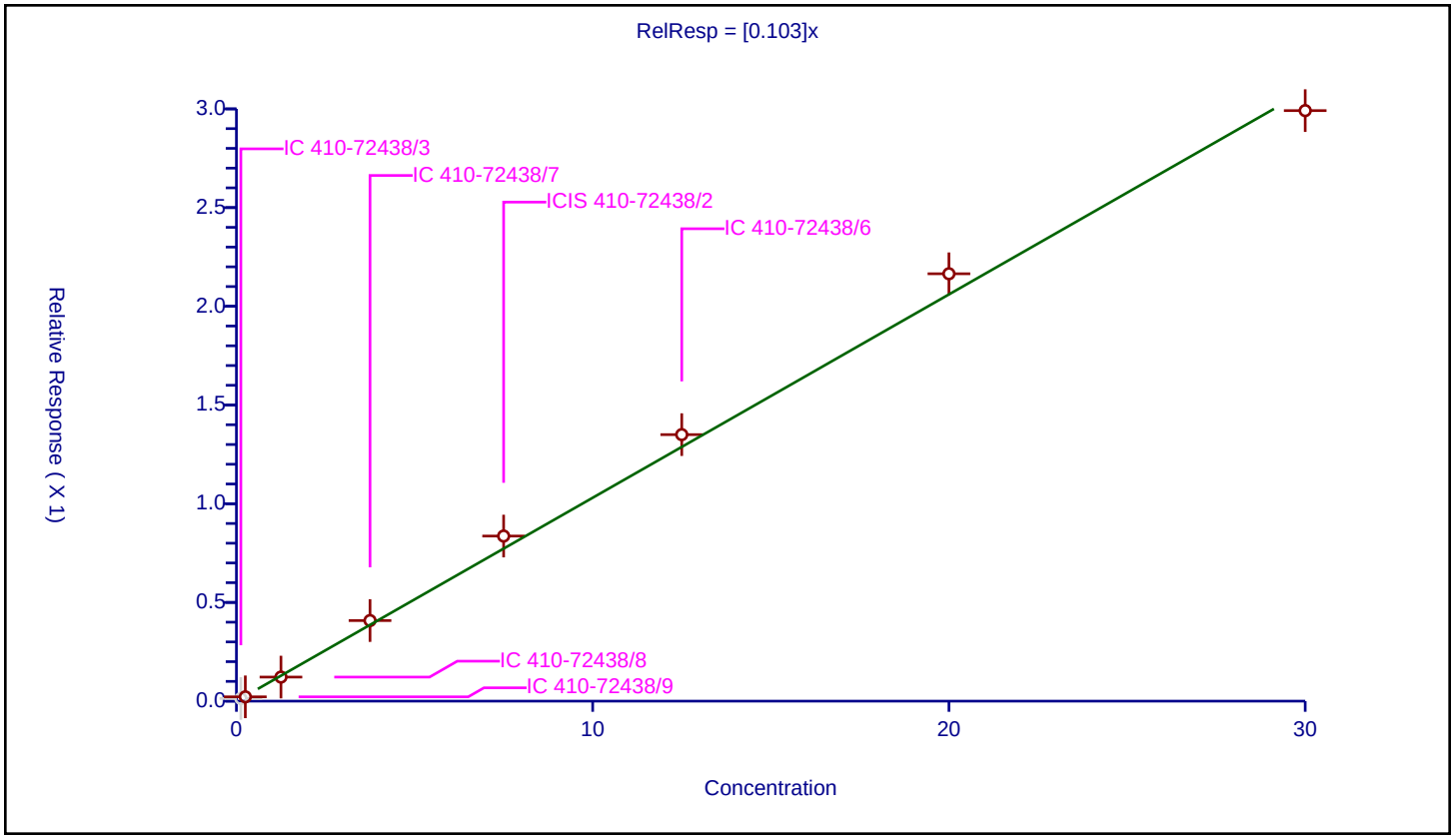
Curve Coefficients

Intercept:	0
Slope:	0.103

Error Coefficients

Standard Error:	141000
Relative Standard Error:	8.4
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.013364	5.0	428405.0	0.106908	N
2	IC 410-72438/9	0.25	0.021813	5.0	449725.0	0.087253	Y
3	IC 410-72438/8	1.25	0.121919	5.0	433444.0	0.097535	Y
4	IC 410-72438/7	3.75	0.408235	5.0	426593.0	0.108863	Y
5	ICIS 410-72438/2	7.5	0.83632	5.0	418464.0	0.111509	Y
6	IC 410-72438/6	12.5	1.350034	5.0	511850.0	0.108003	Y
7	IC 410-72438/5	20.0	2.164879	5.0	414984.0	0.108244	Y
8	IC 410-72438/4	30.0	2.991241	5.0	417061.0	0.099708	Y



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

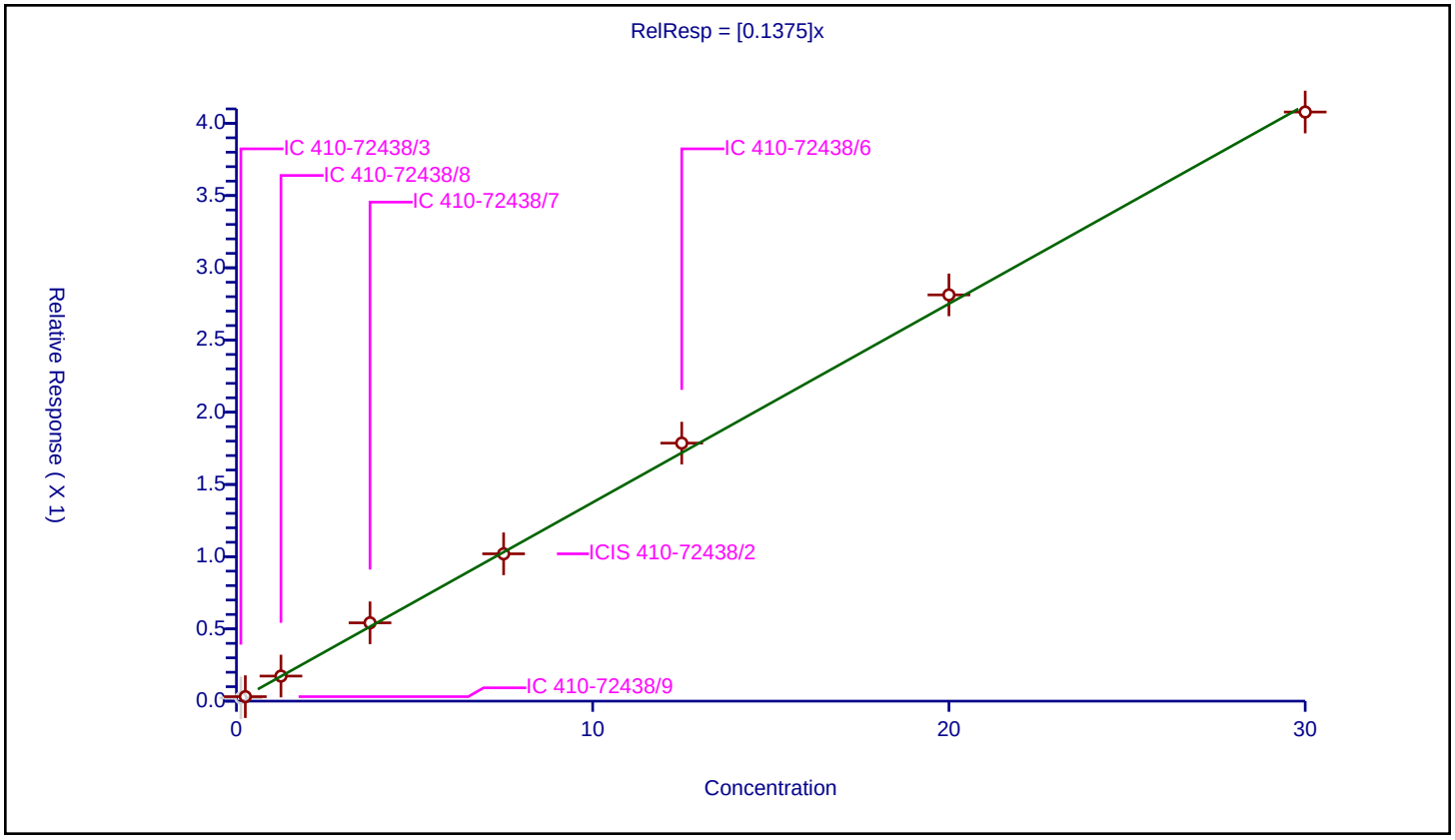
Curve Coefficients

Intercept:	0
Slope:	0.1375

Error Coefficients

Standard Error:	189000
Relative Standard Error:	4.9
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.022339	5.0	428405.0	0.178709	N
2	IC 410-72438/9	0.25	0.031008	5.0	449725.0	0.124031	Y
3	IC 410-72438/8	1.25	0.173517	5.0	433444.0	0.138814	Y
4	IC 410-72438/7	3.75	0.542121	5.0	426593.0	0.144566	Y
5	ICIS 410-72438/2	7.5	1.019825	5.0	418464.0	0.135977	Y
6	IC 410-72438/6	12.5	1.786109	5.0	511850.0	0.142889	Y
7	IC 410-72438/5	20.0	2.812482	5.0	414984.0	0.140624	Y
8	IC 410-72438/4	30.0	4.078336	5.0	417061.0	0.135945	Y



Calibration / Fluoranthene

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

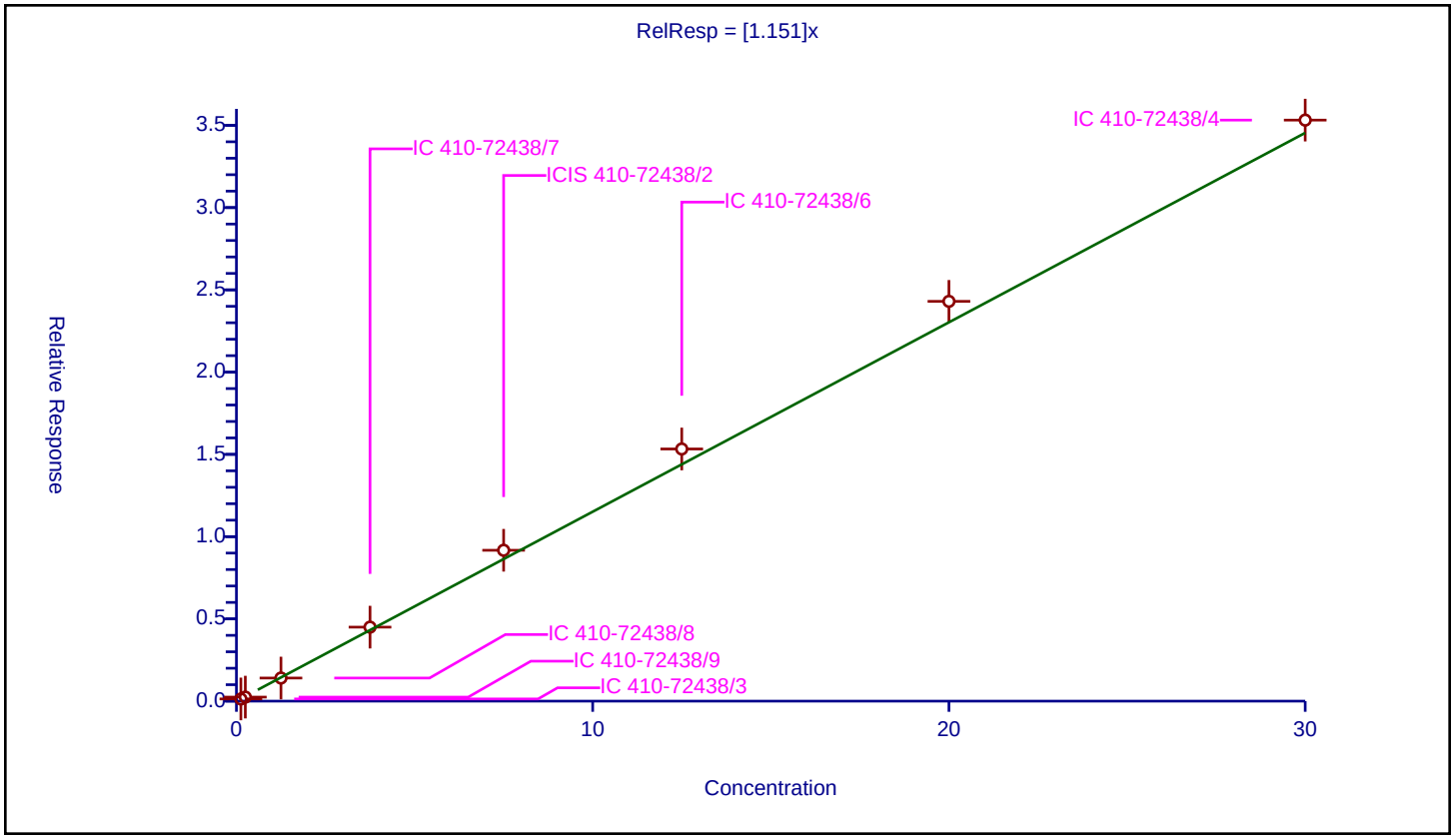
Curve Coefficients

Intercept:	0
Slope:	1.151

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	7.7
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.13276	5.0	428405.0	1.062079	Y
2	IC 410-72438/9	0.25	0.246028	5.0	449725.0	0.984113	Y
3	IC 410-72438/8	1.25	1.404645	5.0	433444.0	1.123716	Y
4	IC 410-72438/7	3.75	4.499066	5.0	426593.0	1.199751	Y
5	ICIS 410-72438/2	7.5	9.169869	5.0	418464.0	1.222649	Y
6	IC 410-72438/6	12.5	15.327733	5.0	511850.0	1.226219	Y
7	IC 410-72438/5	20.0	24.300985	5.0	414984.0	1.215049	Y
8	IC 410-72438/4	30.0	35.318263	5.0	417061.0	1.177275	Y



Calibration / Benzidine

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

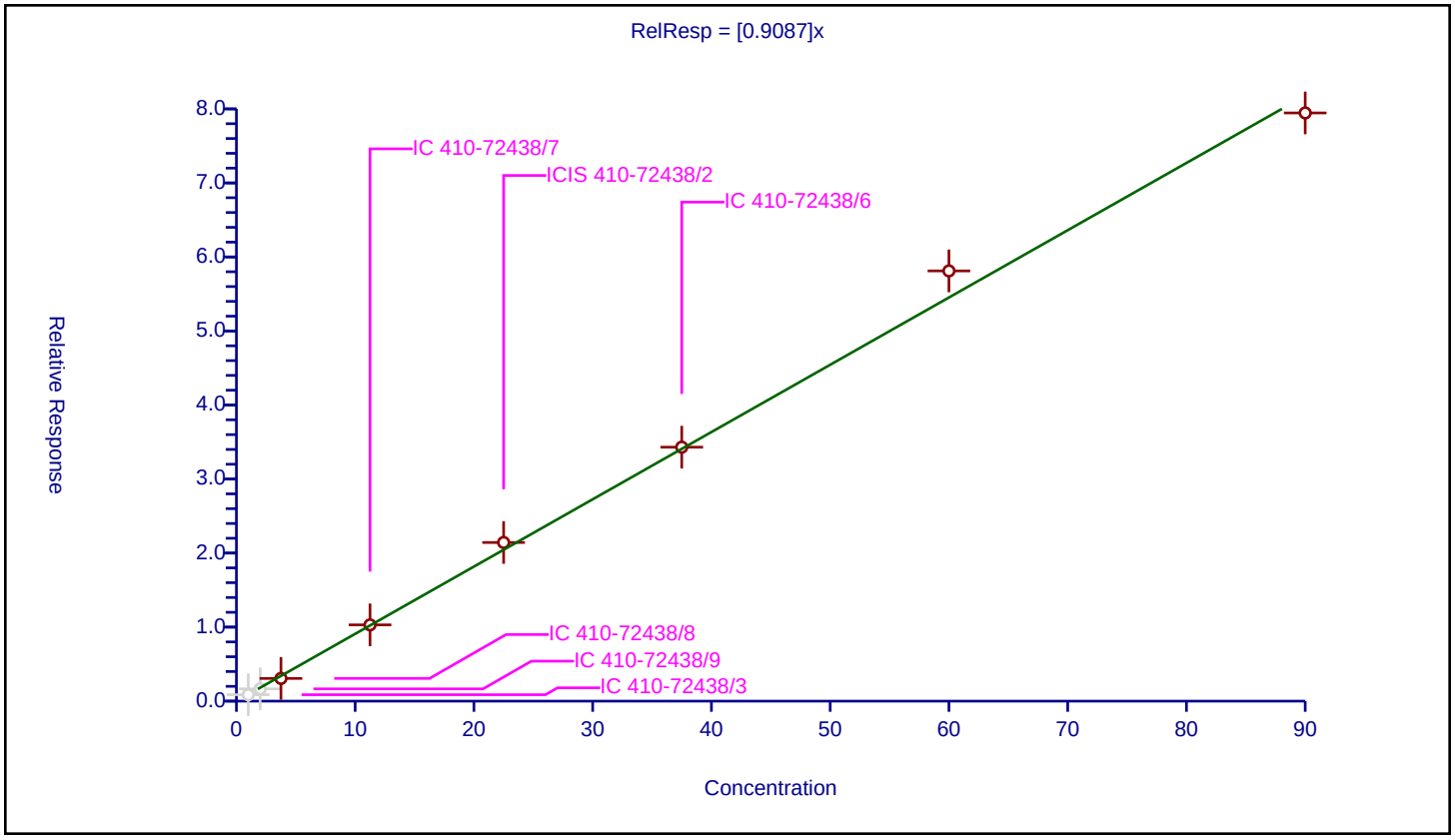
Curve Coefficients

Intercept:	0
Slope:	0.9087

Error Coefficients

Standard Error:	3630000
Relative Standard Error:	5.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	1.0	0.867942	5.0	377214.0	0.867942	N
2	IC 410-72438/9	2.0	1.657285	5.0	384258.0	0.828642	N
3	IC 410-72438/8	3.75	3.067478	5.0	374283.0	0.817994	Y
4	IC 410-72438/7	11.25	10.300702	5.0	367490.0	0.915618	Y
5	ICIS 410-72438/2	22.5	21.43112	5.0	370549.0	0.952494	Y
6	IC 410-72438/6	37.5	34.304857	5.0	448958.0	0.914796	Y
7	IC 410-72438/5	60.0	58.114637	5.0	367237.0	0.968577	Y
8	IC 410-72438/4	90.0	79.454064	5.0	373331.0	0.882823	Y



Calibration / Pyrene

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

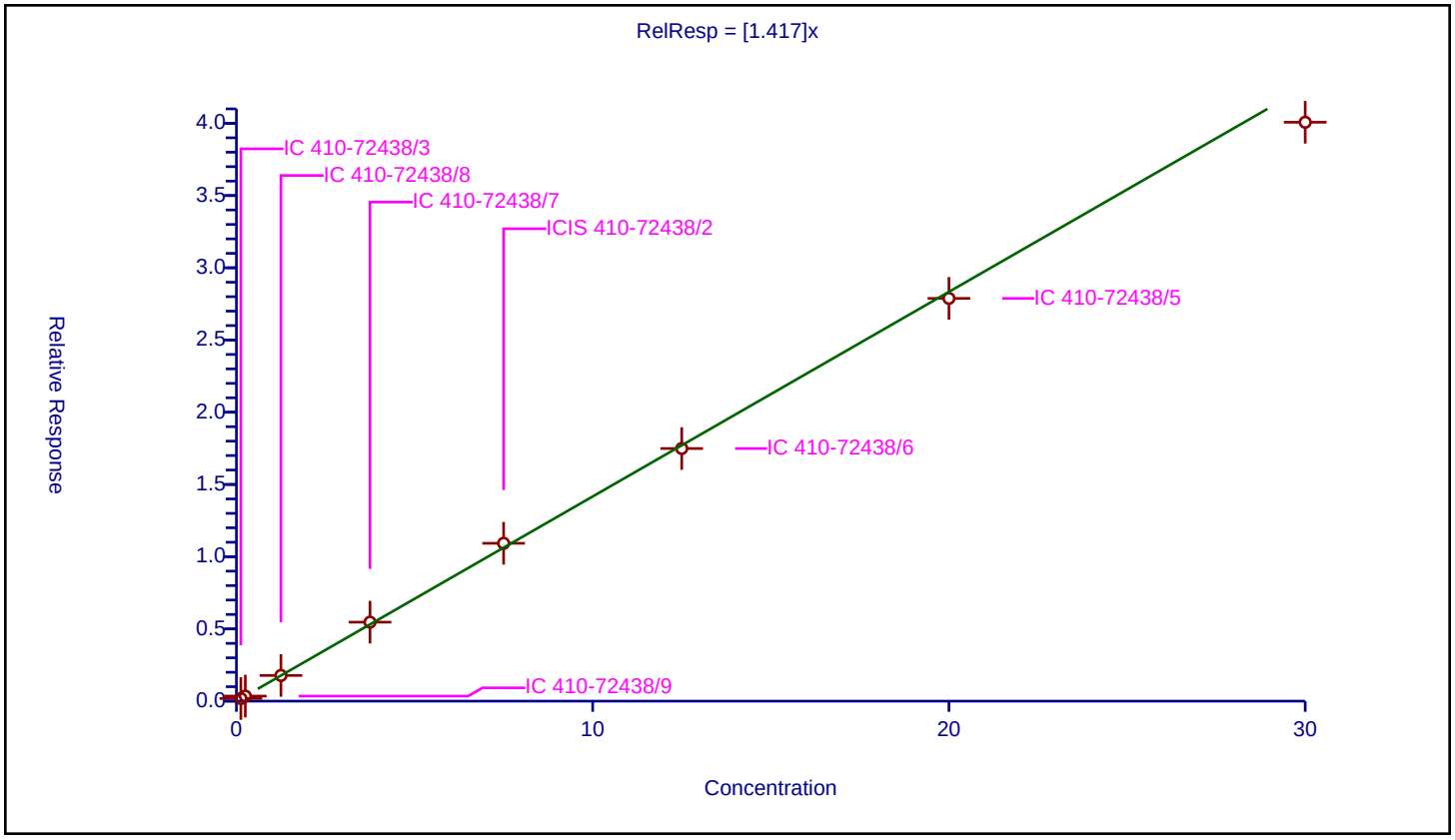
Curve Coefficients

Intercept:	0
Slope:	1.417

Error Coefficients

Standard Error:	1530000
Relative Standard Error:	3.0
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.182867	5.0	377214.0	1.462936	Y
2	IC 410-72438/9	0.25	0.350884	5.0	384258.0	1.403536	Y
3	IC 410-72438/8	1.25	1.778921	5.0	374283.0	1.423137	Y
4	IC 410-72438/7	3.75	5.467428	5.0	367490.0	1.457981	Y
5	ICIS 410-72438/2	7.5	10.928838	5.0	370549.0	1.457178	Y
6	IC 410-72438/6	12.5	17.488663	5.0	448958.0	1.399093	Y
7	IC 410-72438/5	20.0	27.882103	5.0	367237.0	1.394105	Y
8	IC 410-72438/4	30.0	40.073889	5.0	373331.0	1.335796	Y



Calibration / p-Terphenyl-d14

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

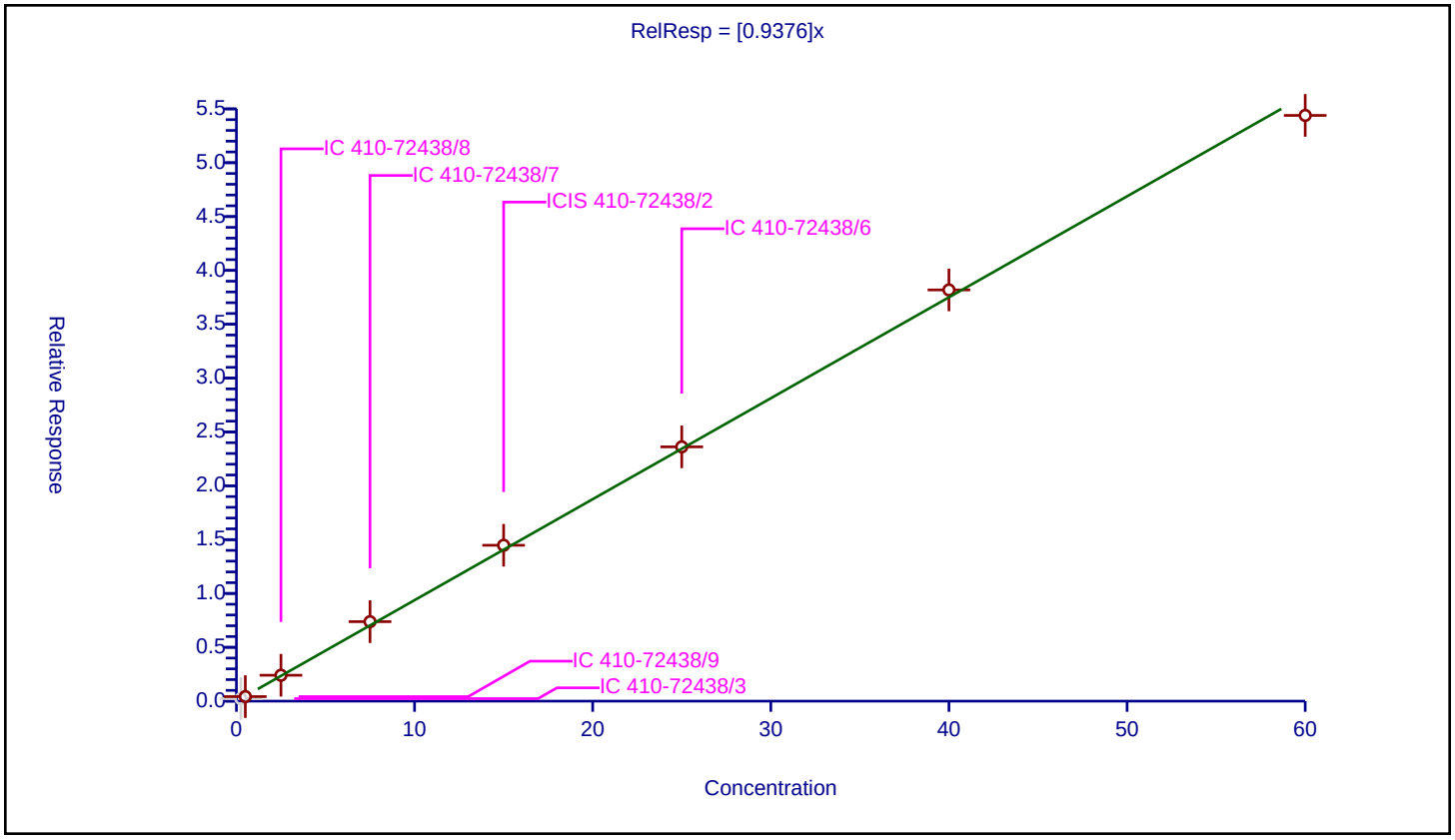
Curve Coefficients

Intercept:	0
Slope:	0.9376

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	5.0
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.25	0.2326	5.0	377214.0	0.9304	N
2	IC 410-72438/9	0.5	0.422867	5.0	384258.0	0.845734	Y
3	IC 410-72438/8	2.5	2.406414	5.0	374283.0	0.962566	Y
4	IC 410-72438/7	7.5	7.381493	5.0	367490.0	0.984199	Y
5	ICIS 410-72438/2	15.0	14.47482	5.0	370549.0	0.964988	Y
6	IC 410-72438/6	25.0	23.615528	5.0	448958.0	0.944621	Y
7	IC 410-72438/5	40.0	38.189058	5.0	367237.0	0.954726	Y
8	IC 410-72438/4	60.0	54.393059	5.0	373331.0	0.906551	Y



Calibration / p-Dimethylamino azobenzene

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

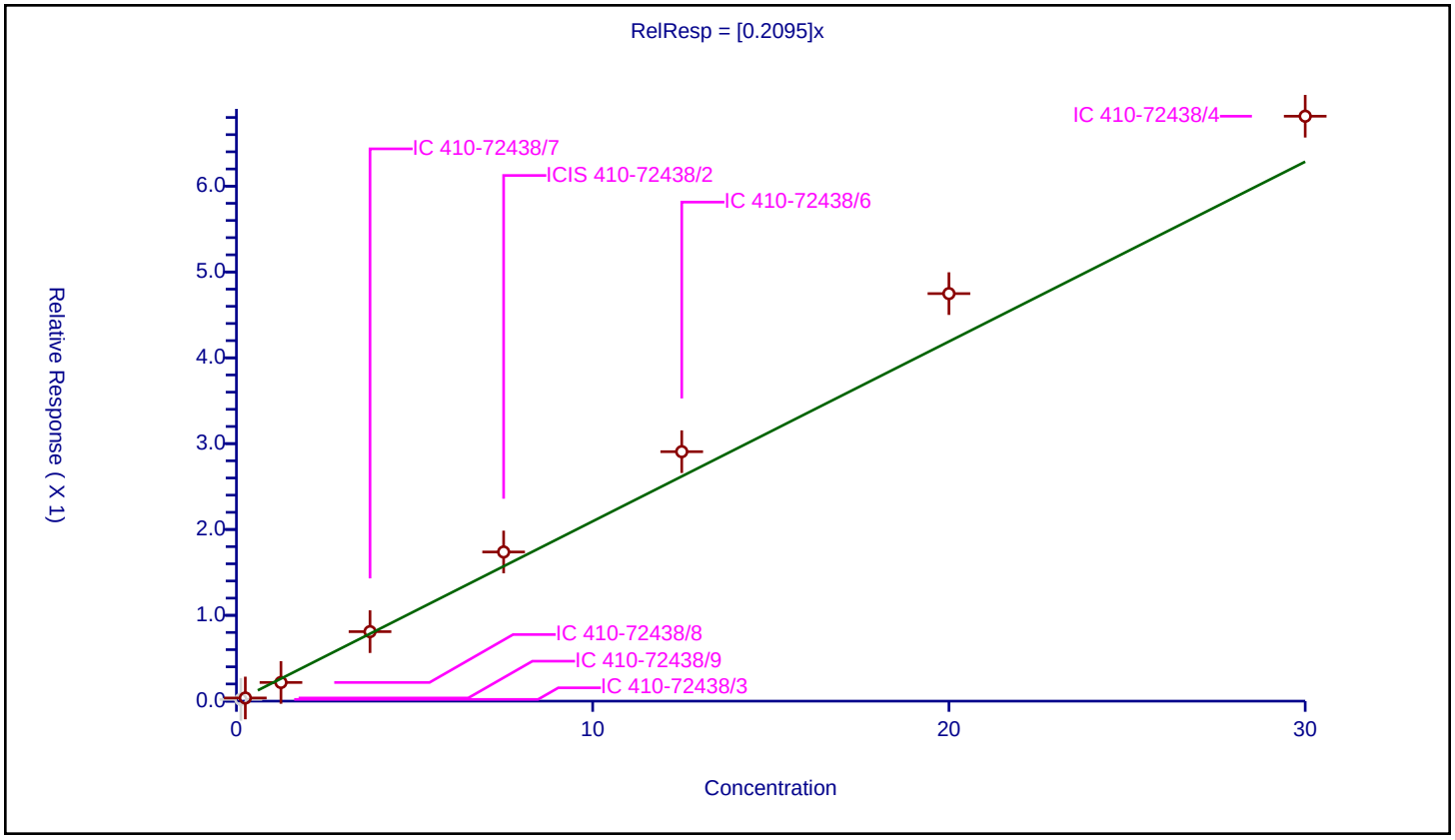
Curve Coefficients

Intercept:	0
Slope:	0.2095

Error Coefficients

Standard Error:	280000
Relative Standard Error:	16.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.020453	5.0	377214.0	0.163621	N
2	IC 410-72438/9	0.25	0.036902	5.0	384258.0	0.147609	Y
3	IC 410-72438/8	1.25	0.217616	5.0	374283.0	0.174093	Y
4	IC 410-72438/7	3.75	0.809859	5.0	367490.0	0.215962	Y
5	ICIS 410-72438/2	7.5	1.737908	5.0	370549.0	0.231721	Y
6	IC 410-72438/6	12.5	2.906441	5.0	448958.0	0.232515	Y
7	IC 410-72438/5	20.0	4.747983	5.0	367237.0	0.237399	Y
8	IC 410-72438/4	30.0	6.814784	5.0	373331.0	0.227159	Y



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

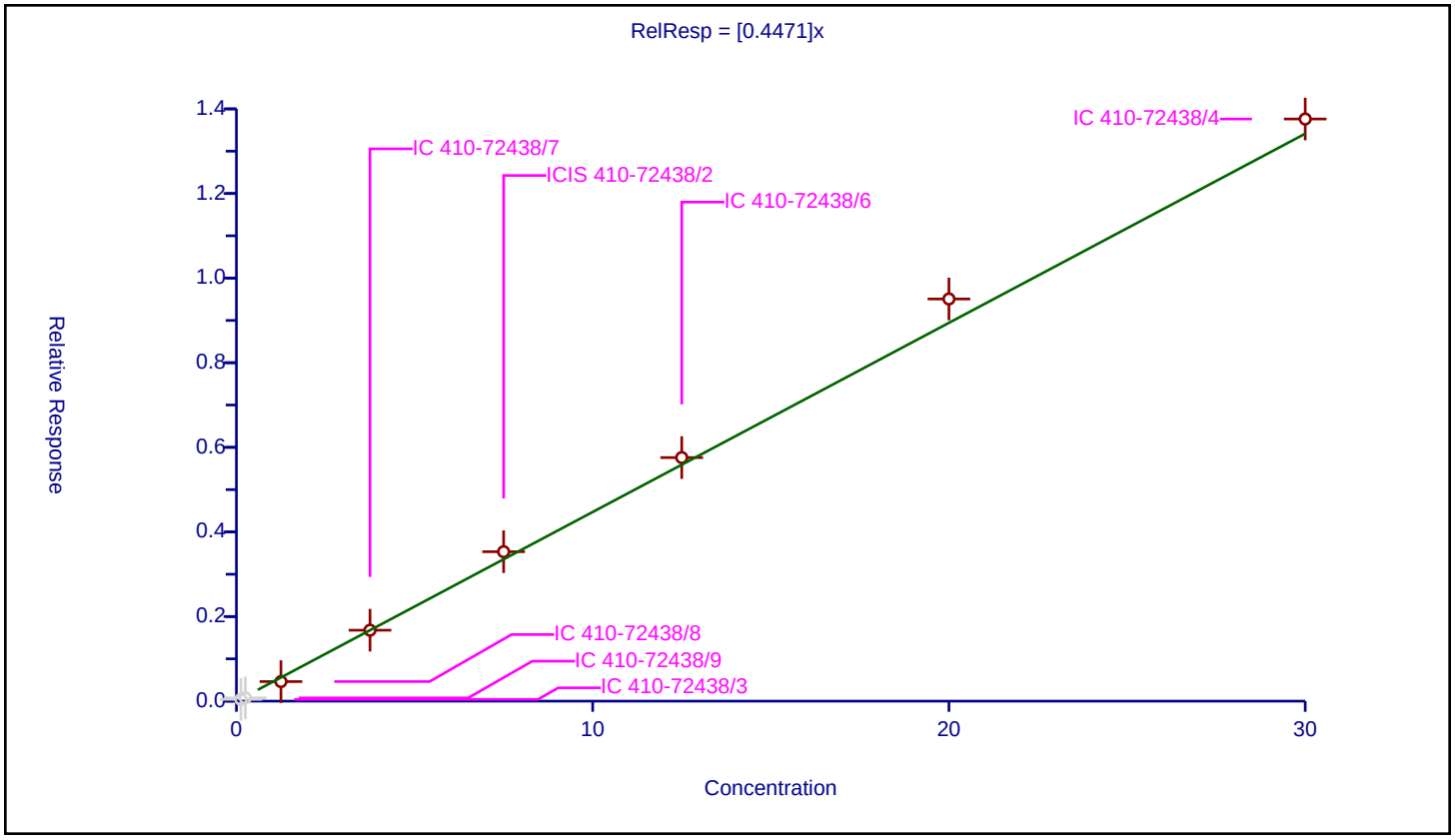
Curve Coefficients

Intercept:	0
Slope:	0.4471

Error Coefficients

Standard Error:	616000
Relative Standard Error:	8.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.042098	5.0	377214.0	0.336785	N
2	IC 410-72438/9	0.25	0.076706	5.0	384258.0	0.306825	N
3	IC 410-72438/8	1.25	0.462458	5.0	374283.0	0.369966	Y
4	IC 410-72438/7	3.75	1.676726	5.0	367490.0	0.447127	Y
5	ICIS 410-72438/2	7.5	3.53234	5.0	370549.0	0.470979	Y
6	IC 410-72438/6	12.5	5.757465	5.0	448958.0	0.460597	Y
7	IC 410-72438/5	20.0	9.506872	5.0	367237.0	0.475344	Y
8	IC 410-72438/4	30.0	13.760778	5.0	373331.0	0.458693	Y



Calibration / 3,3'-Dimethylbenzidine

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

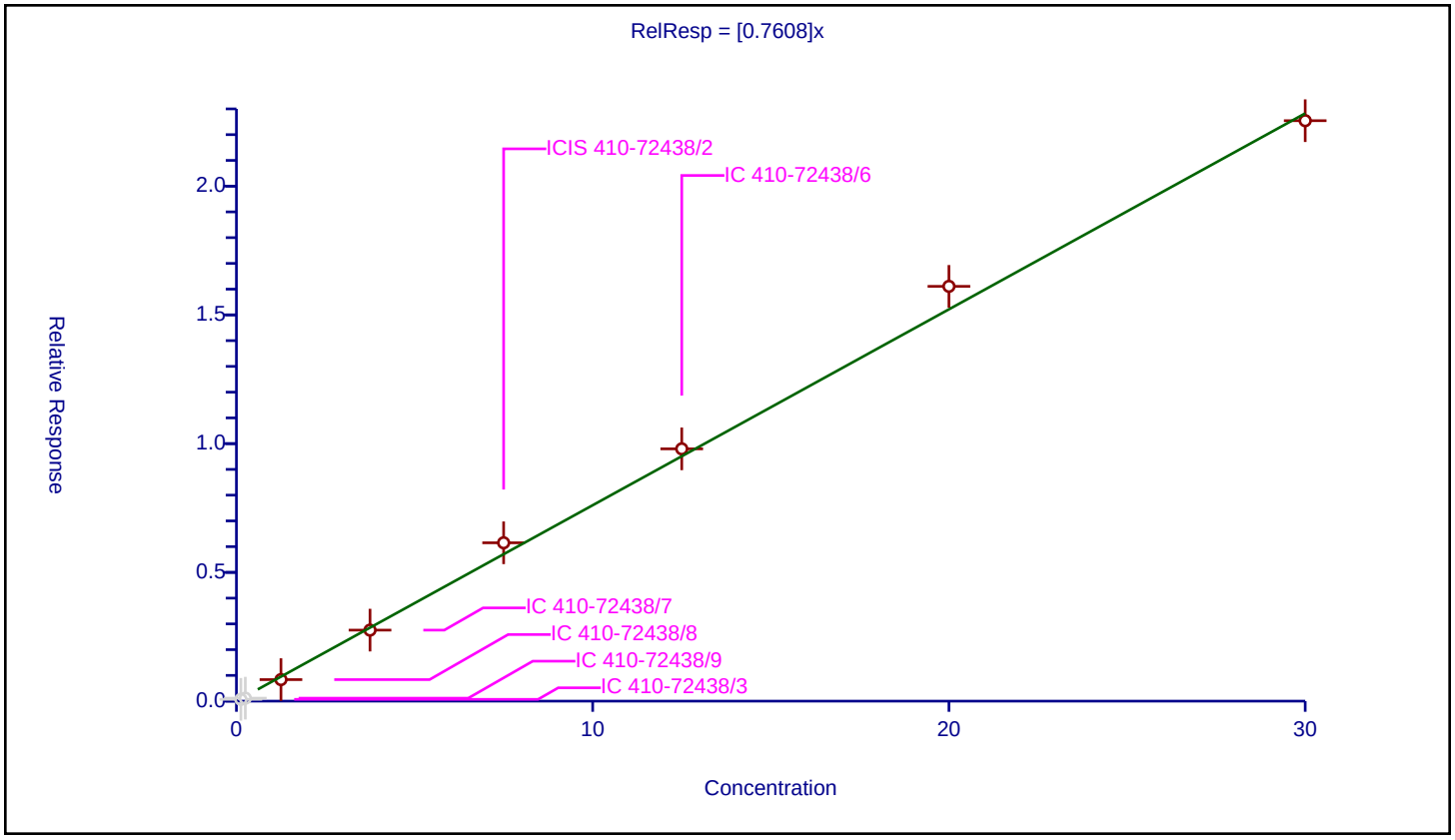
Curve Coefficients

Intercept:	0
Slope:	0.7608

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	7.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.070066	5.0	377214.0	0.560531	N
2	IC 410-72438/9	0.25	0.1153	5.0	384258.0	0.461201	N
3	IC 410-72438/8	1.25	0.836332	5.0	374283.0	0.669066	Y
4	IC 410-72438/7	3.75	2.757735	5.0	367490.0	0.735396	Y
5	ICIS 410-72438/2	7.5	6.149146	5.0	370549.0	0.819886	Y
6	IC 410-72438/6	12.5	9.797308	5.0	448958.0	0.783785	Y
7	IC 410-72438/5	20.0	16.108589	5.0	367237.0	0.805429	Y
8	IC 410-72438/4	30.0	22.541404	5.0	373331.0	0.75138	Y



Calibration / Butyl benzyl phthalate

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

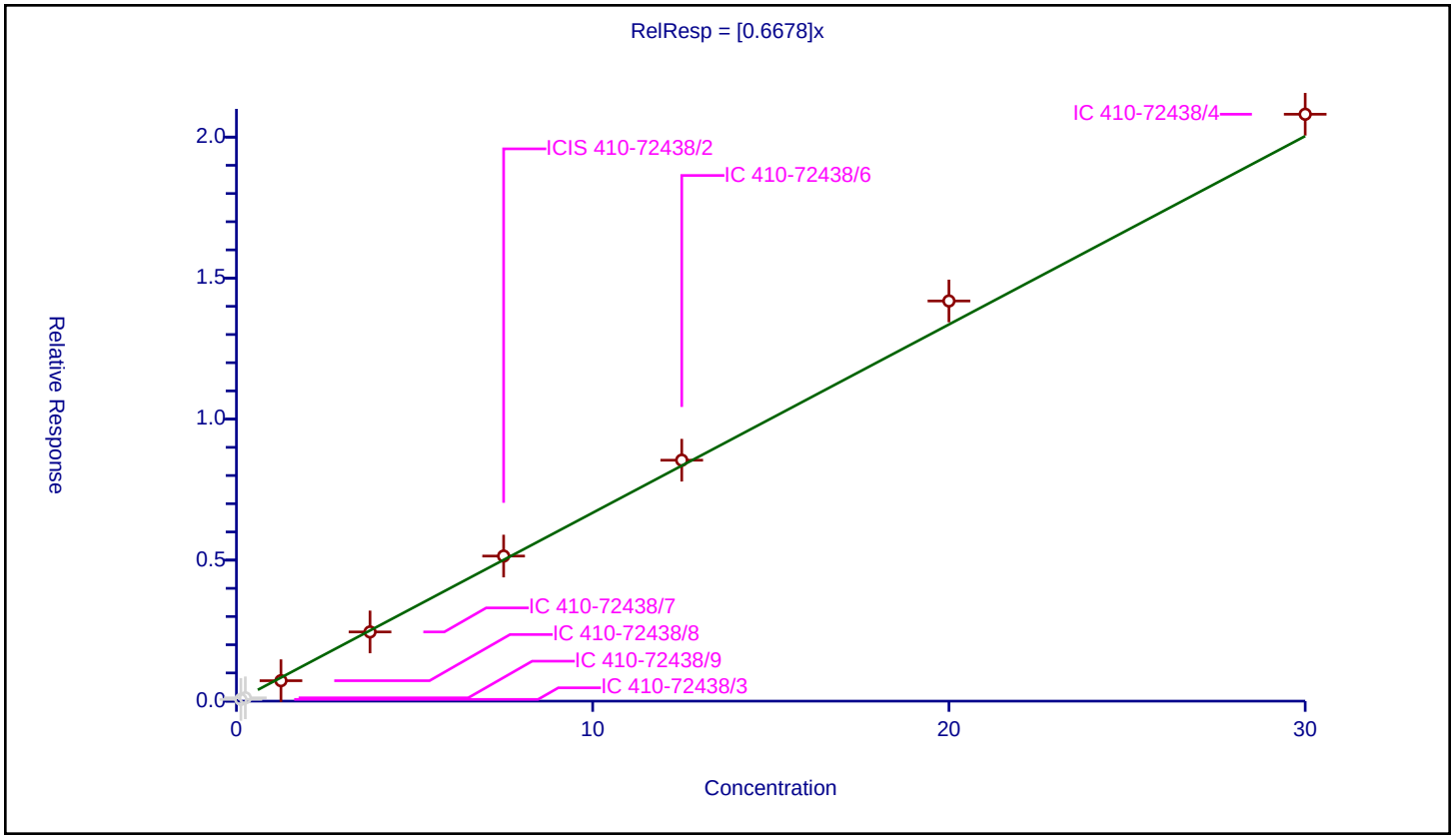
Curve Coefficients

Intercept:	0
Slope:	0.6678

Error Coefficients

Standard Error:	924000
Relative Standard Error:	7.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.061517	5.0	377214.0	0.492134	N
2	IC 410-72438/9	0.25	0.117109	5.0	384258.0	0.468435	N
3	IC 410-72438/8	1.25	0.72508	5.0	374283.0	0.580064	Y
4	IC 410-72438/7	3.75	2.45404	5.0	367490.0	0.654411	Y
5	ICIS 410-72438/2	7.5	5.14461	5.0	370549.0	0.685948	Y
6	IC 410-72438/6	12.5	8.543527	5.0	448958.0	0.683482	Y
7	IC 410-72438/5	20.0	14.189488	5.0	367237.0	0.709474	Y
8	IC 410-72438/4	30.0	20.810568	5.0	373331.0	0.693686	Y



Calibration / 2-Acetylaminofluorene

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

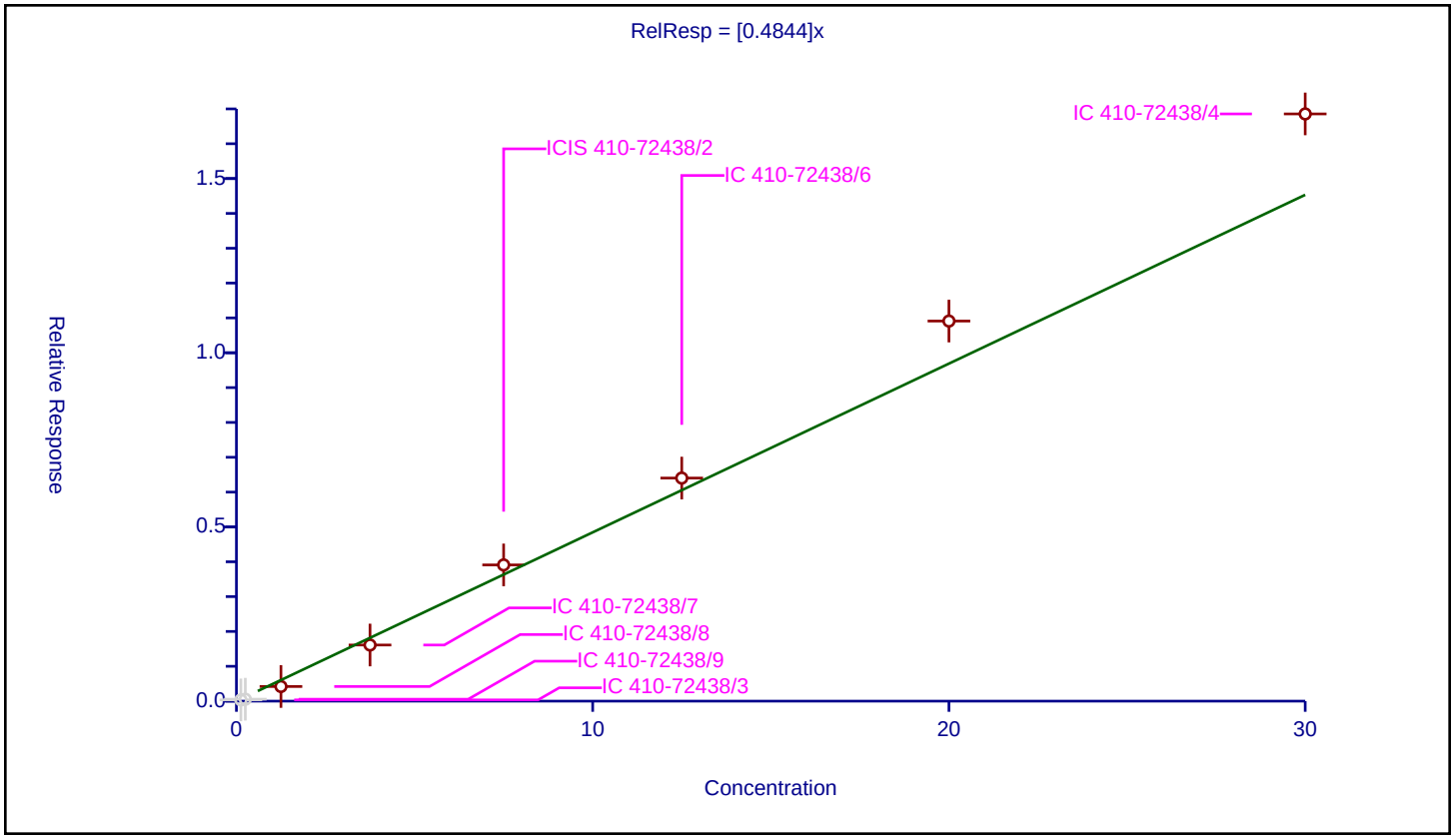
Curve Coefficients

Intercept:	0
Slope:	0.4844

Error Coefficients

Standard Error:	729000
Relative Standard Error:	17.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.035219	5.0	377214.0	0.28175	N
2	IC 410-72438/9	0.25	0.055445	5.0	384258.0	0.221778	N
3	IC 410-72438/8	1.25	0.420083	5.0	374283.0	0.336067	Y
4	IC 410-72438/7	3.75	1.611187	5.0	367490.0	0.42965	Y
5	ICIS 410-72438/2	7.5	3.909807	5.0	370549.0	0.521308	Y
6	IC 410-72438/6	12.5	6.402815	5.0	448958.0	0.512225	Y
7	IC 410-72438/5	20.0	10.909794	5.0	367237.0	0.54549	Y
8	IC 410-72438/4	30.0	16.855404	5.0	373331.0	0.561847	Y



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

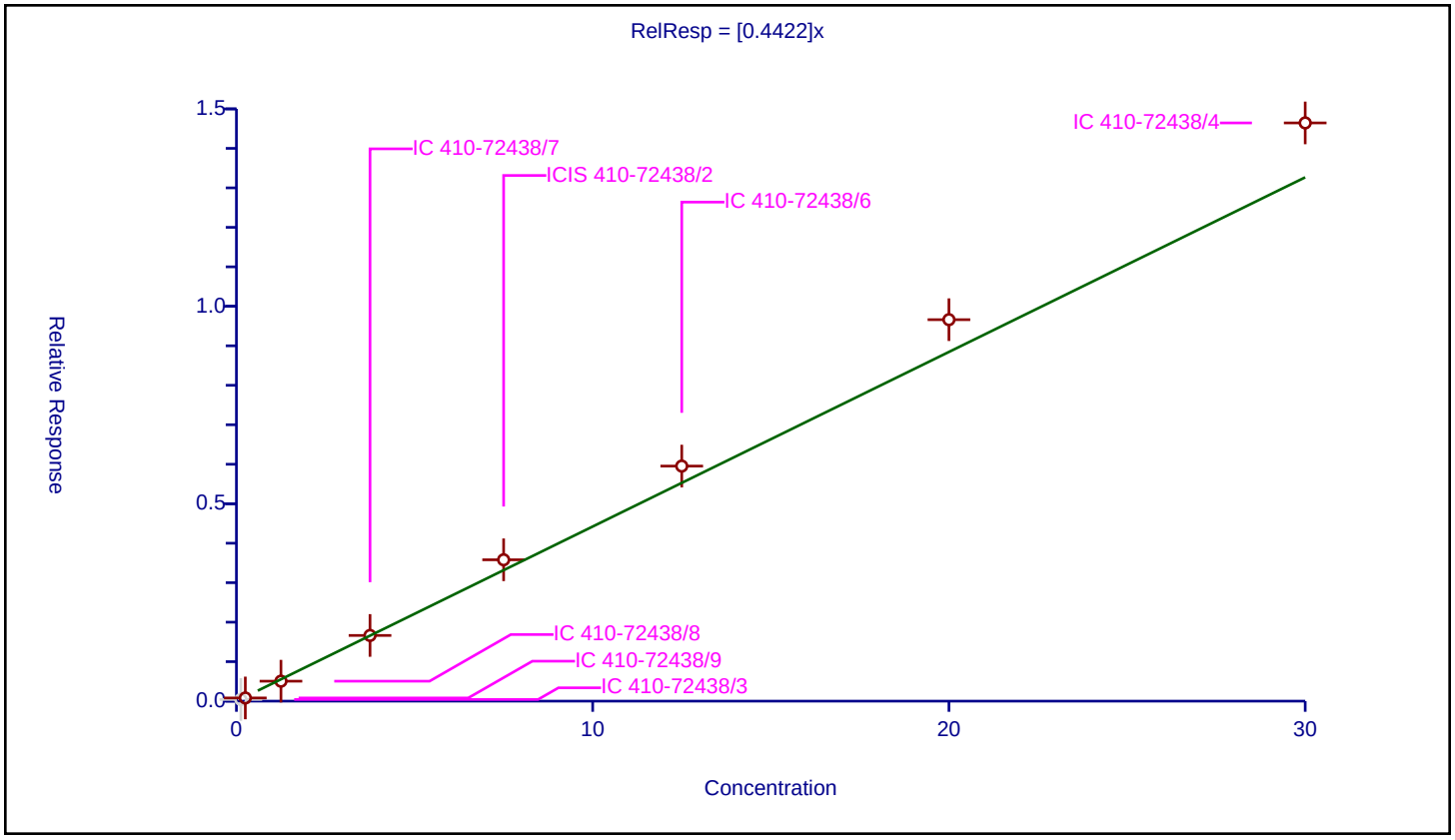
Curve Coefficients

Intercept:	0
Slope:	0.4422

Error Coefficients

Standard Error:	588000
Relative Standard Error:	13.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.042443	5.0	377214.0	0.339542	N
2	IC 410-72438/9	0.25	0.080623	5.0	384258.0	0.322492	Y
3	IC 410-72438/8	1.25	0.505714	5.0	374283.0	0.404571	Y
4	IC 410-72438/7	3.75	1.663746	5.0	367490.0	0.443666	Y
5	ICIS 410-72438/2	7.5	3.580026	5.0	370549.0	0.477337	Y
6	IC 410-72438/6	12.5	5.953074	5.0	448958.0	0.476246	Y
7	IC 410-72438/5	20.0	9.661349	5.0	367237.0	0.483067	Y
8	IC 410-72438/4	30.0	14.644752	5.0	373331.0	0.488158	Y



Calibration / Benzo[a]anthracene

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

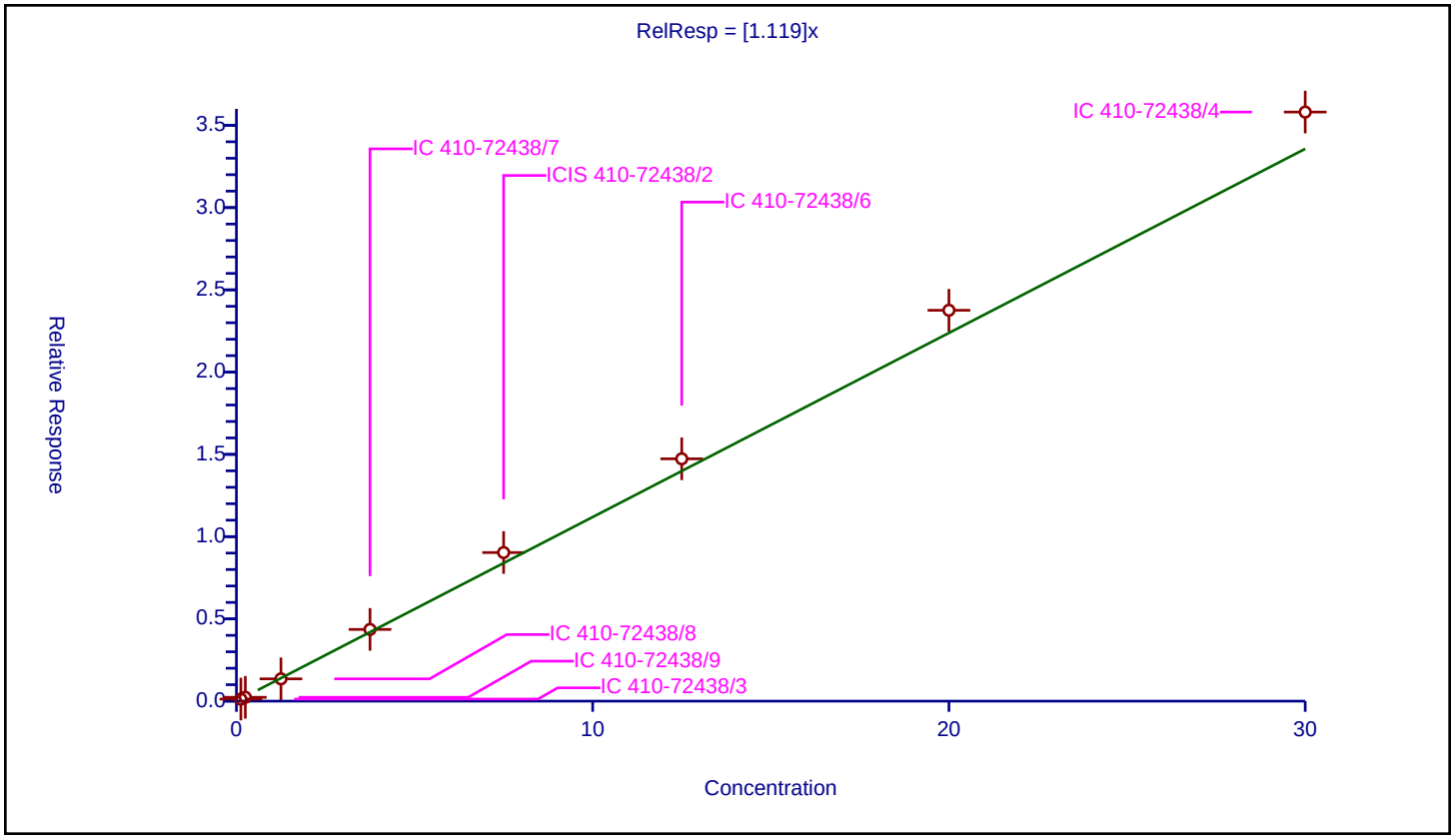
Curve Coefficients

Intercept:	0
Slope:	1.119

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	9.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.125711	5.0	377214.0	1.005689	Y
2	IC 410-72438/9	0.25	0.234088	5.0	384258.0	0.93635	Y
3	IC 410-72438/8	1.25	1.354376	5.0	374283.0	1.083501	Y
4	IC 410-72438/7	3.75	4.358785	5.0	367490.0	1.162343	Y
5	ICIS 410-72438/2	7.5	9.032948	5.0	370549.0	1.204393	Y
6	IC 410-72438/6	12.5	14.729863	5.0	448958.0	1.178389	Y
7	IC 410-72438/5	20.0	23.759847	5.0	367237.0	1.187992	Y
8	IC 410-72438/4	30.0	35.806576	5.0	373331.0	1.193553	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

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

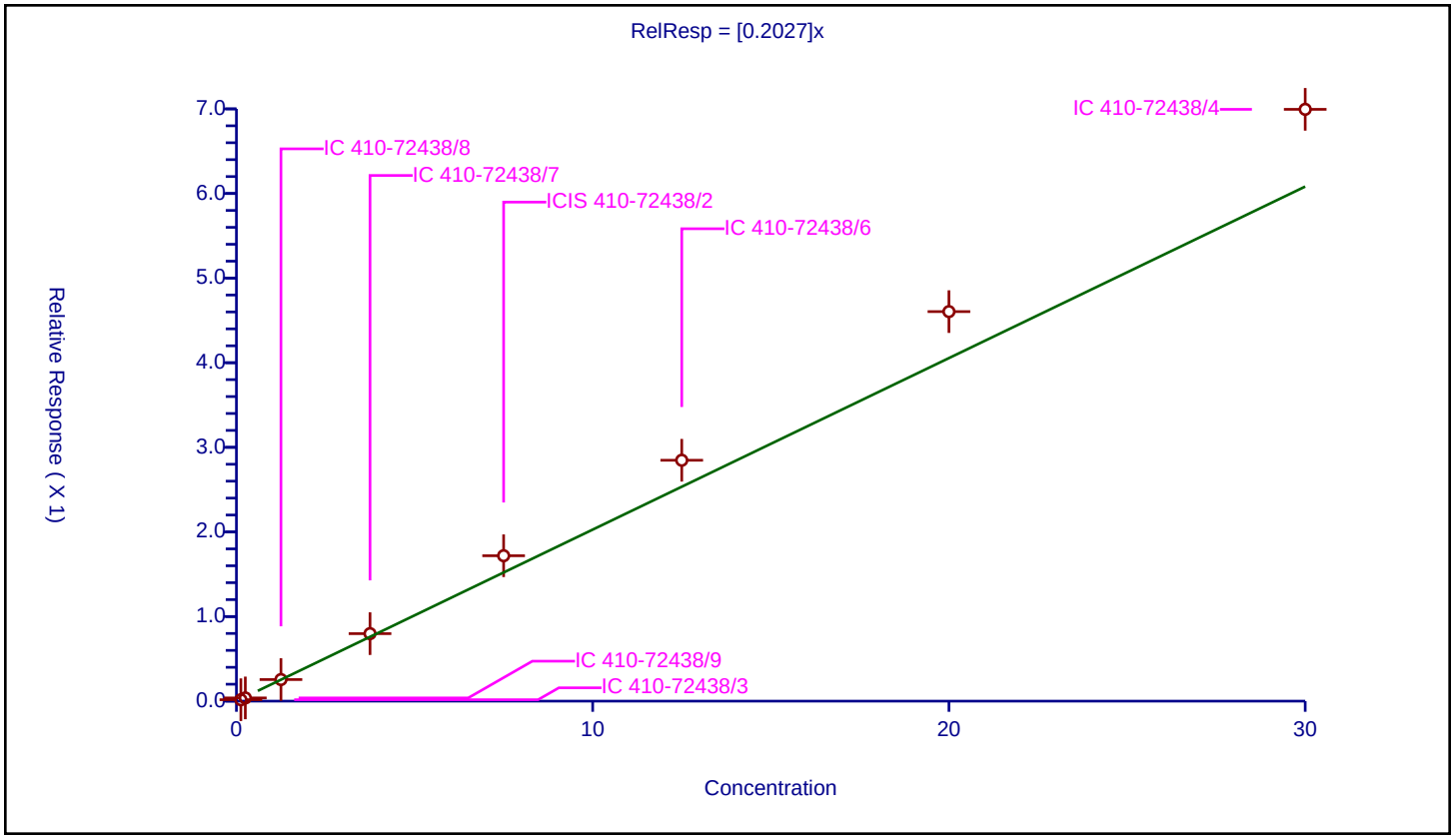
Curve Coefficients

Intercept:	0
Slope:	0.2027

Error Coefficients

Standard Error:	260000
Relative Standard Error:	19.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.016701	5.0	377214.0	0.133611	Y
2	IC 410-72438/9	0.25	0.037787	5.0	384258.0	0.151148	Y
3	IC 410-72438/8	1.25	0.255021	5.0	374283.0	0.204017	Y
4	IC 410-72438/7	3.75	0.79794	5.0	367490.0	0.212784	Y
5	ICIS 410-72438/2	7.5	1.718747	5.0	370549.0	0.229166	Y
6	IC 410-72438/6	12.5	2.847126	5.0	448958.0	0.22777	Y
7	IC 410-72438/5	20.0	4.603975	5.0	367237.0	0.230199	Y
8	IC 410-72438/4	30.0	6.994691	5.0	373331.0	0.233156	Y



Calibration / Chrysene

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

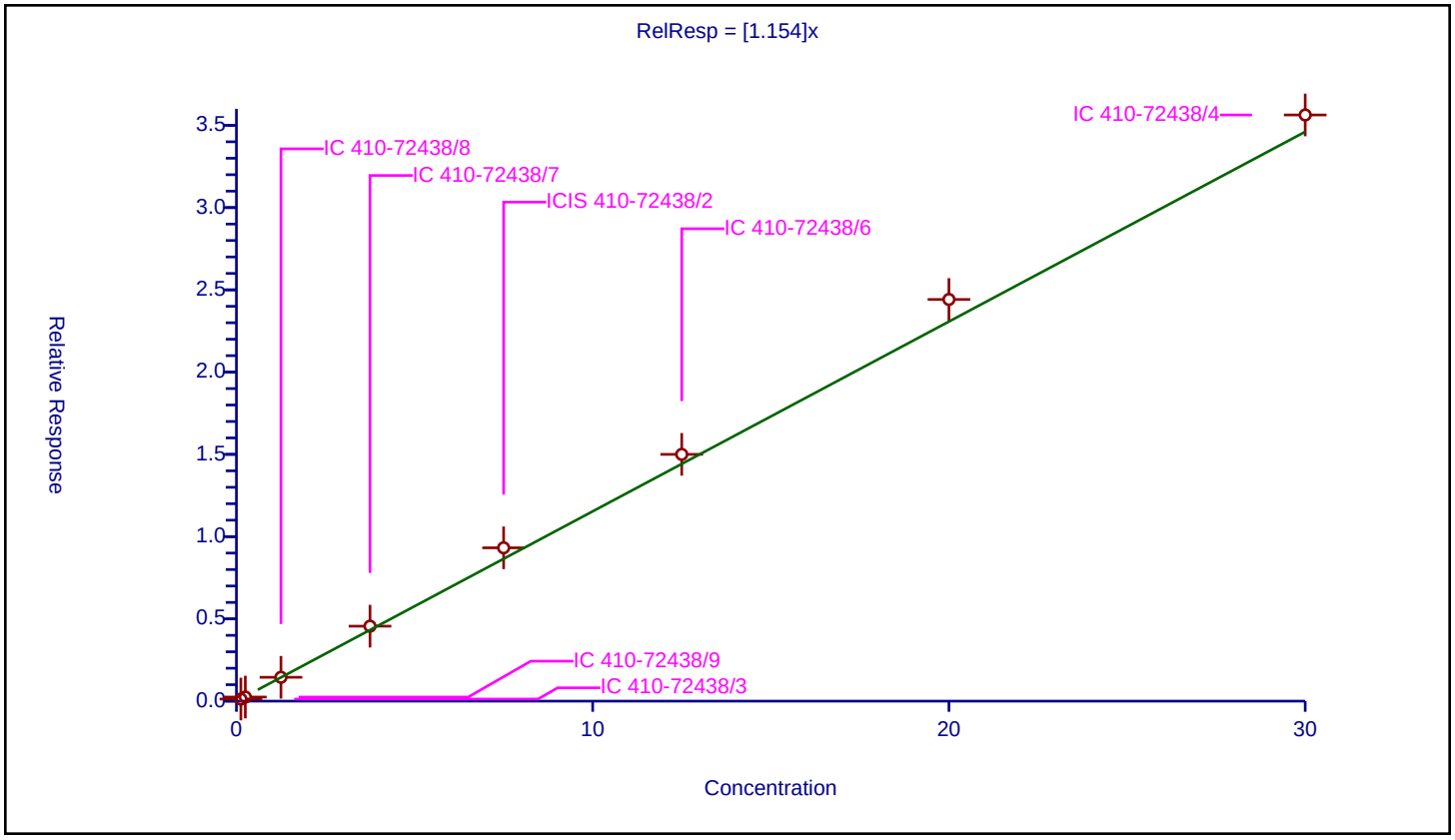
Curve Coefficients

Intercept:	0
Slope:	1.154

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	8.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.126387	5.0	377214.0	1.011097	Y
2	IC 410-72438/9	0.25	0.248023	5.0	384258.0	0.992094	Y
3	IC 410-72438/8	1.25	1.449625	5.0	374283.0	1.1597	Y
4	IC 410-72438/7	3.75	4.555947	5.0	367490.0	1.214919	Y
5	ICIS 410-72438/2	7.5	9.32013	5.0	370549.0	1.242684	Y
6	IC 410-72438/6	12.5	15.000568	5.0	448958.0	1.200045	Y
7	IC 410-72438/5	20.0	24.416753	5.0	367237.0	1.220838	Y
8	IC 410-72438/4	30.0	35.630245	5.0	373331.0	1.187675	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

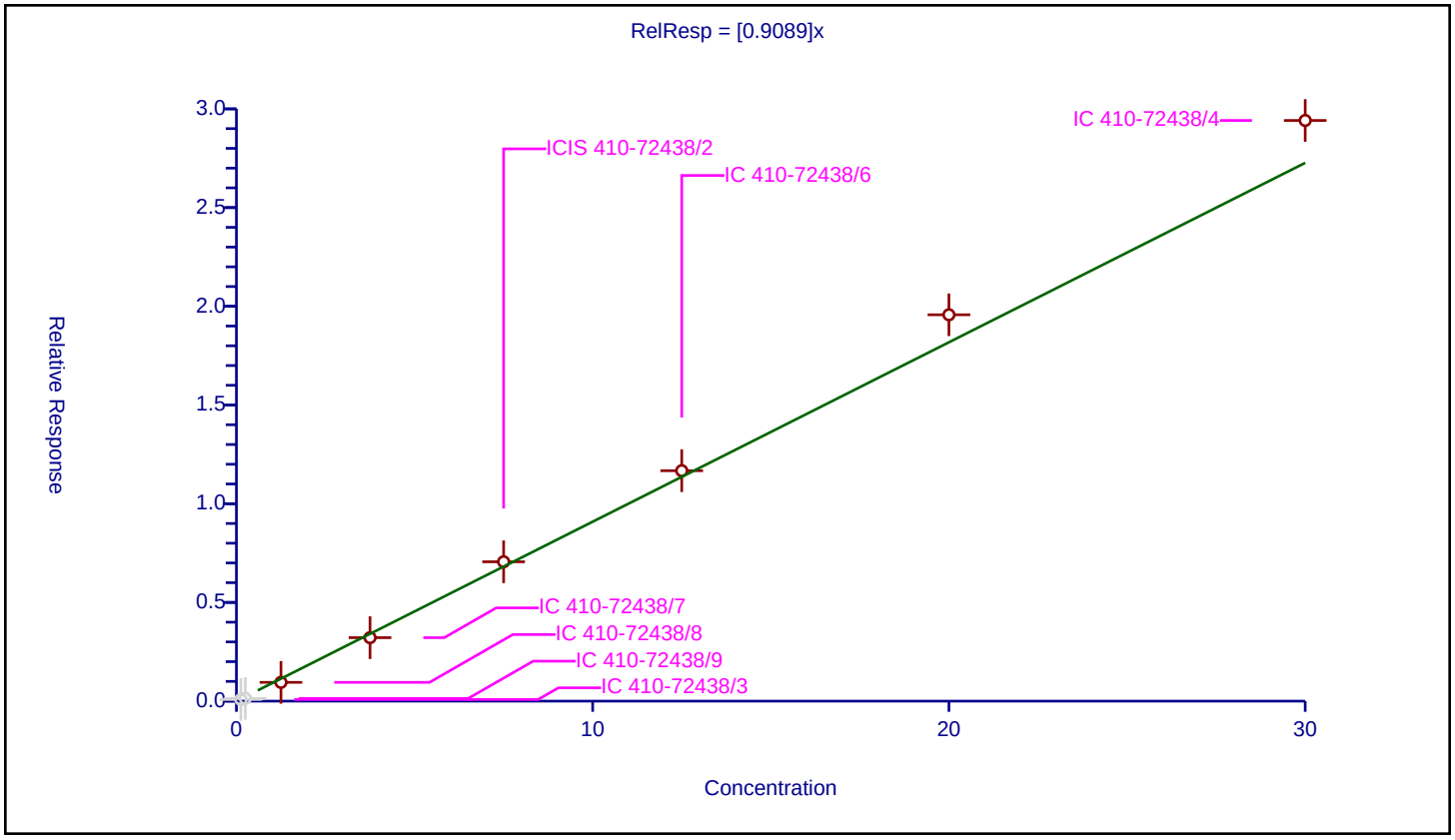
Curve Coefficients

Intercept:	0
Slope:	0.9089

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	9.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.082513	5.0	377214.0	0.660103	N
2	IC 410-72438/9	0.25	0.138943	5.0	384258.0	0.555772	N
3	IC 410-72438/8	1.25	0.952434	5.0	374283.0	0.761948	Y
4	IC 410-72438/7	3.75	3.215121	5.0	367490.0	0.857366	Y
5	ICIS 410-72438/2	7.5	7.059444	5.0	370549.0	0.941259	Y
6	IC 410-72438/6	12.5	11.671571	5.0	448958.0	0.933726	Y
7	IC 410-72438/5	20.0	19.570727	5.0	367237.0	0.978536	Y
8	IC 410-72438/4	30.0	29.413162	5.0	373331.0	0.980439	Y



Calibration / 6-Methylchrysene

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

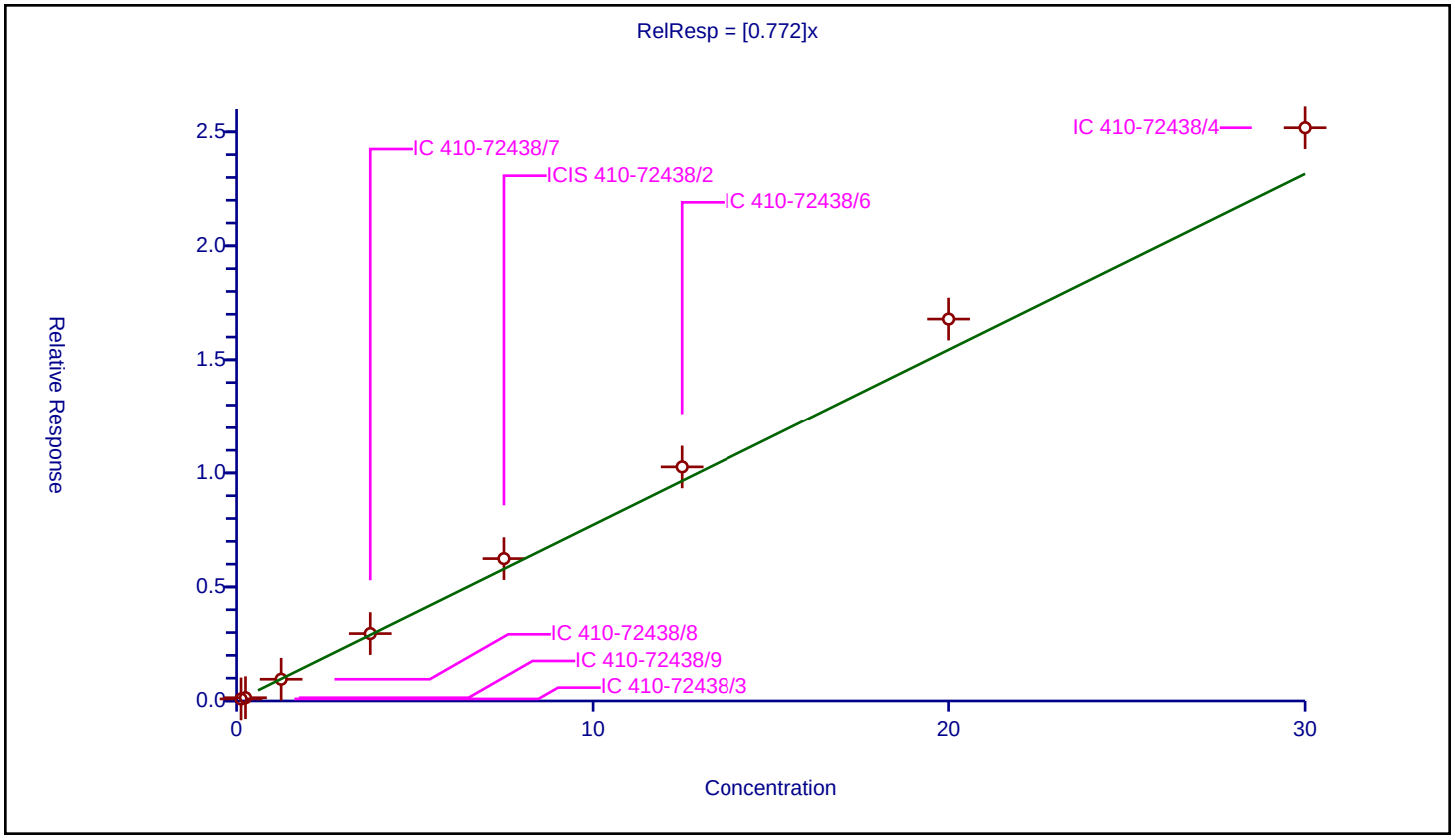
Curve Coefficients

Intercept:	0
Slope:	0.772

Error Coefficients

Standard Error:	939000
Relative Standard Error:	11.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.090148	5.0	377214.0	0.721182	Y
2	IC 410-72438/9	0.25	0.143081	5.0	384258.0	0.572324	Y
3	IC 410-72438/8	1.25	0.952488	5.0	374283.0	0.76199	Y
4	IC 410-72438/7	3.75	2.955237	5.0	367490.0	0.788063	Y
5	ICIS 410-72438/2	7.5	6.242899	5.0	370549.0	0.832387	Y
6	IC 410-72438/6	12.5	10.265983	5.0	448958.0	0.821279	Y
7	IC 410-72438/5	20.0	16.78992	5.0	367237.0	0.839496	Y
8	IC 410-72438/4	30.0	25.180269	5.0	373331.0	0.839342	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

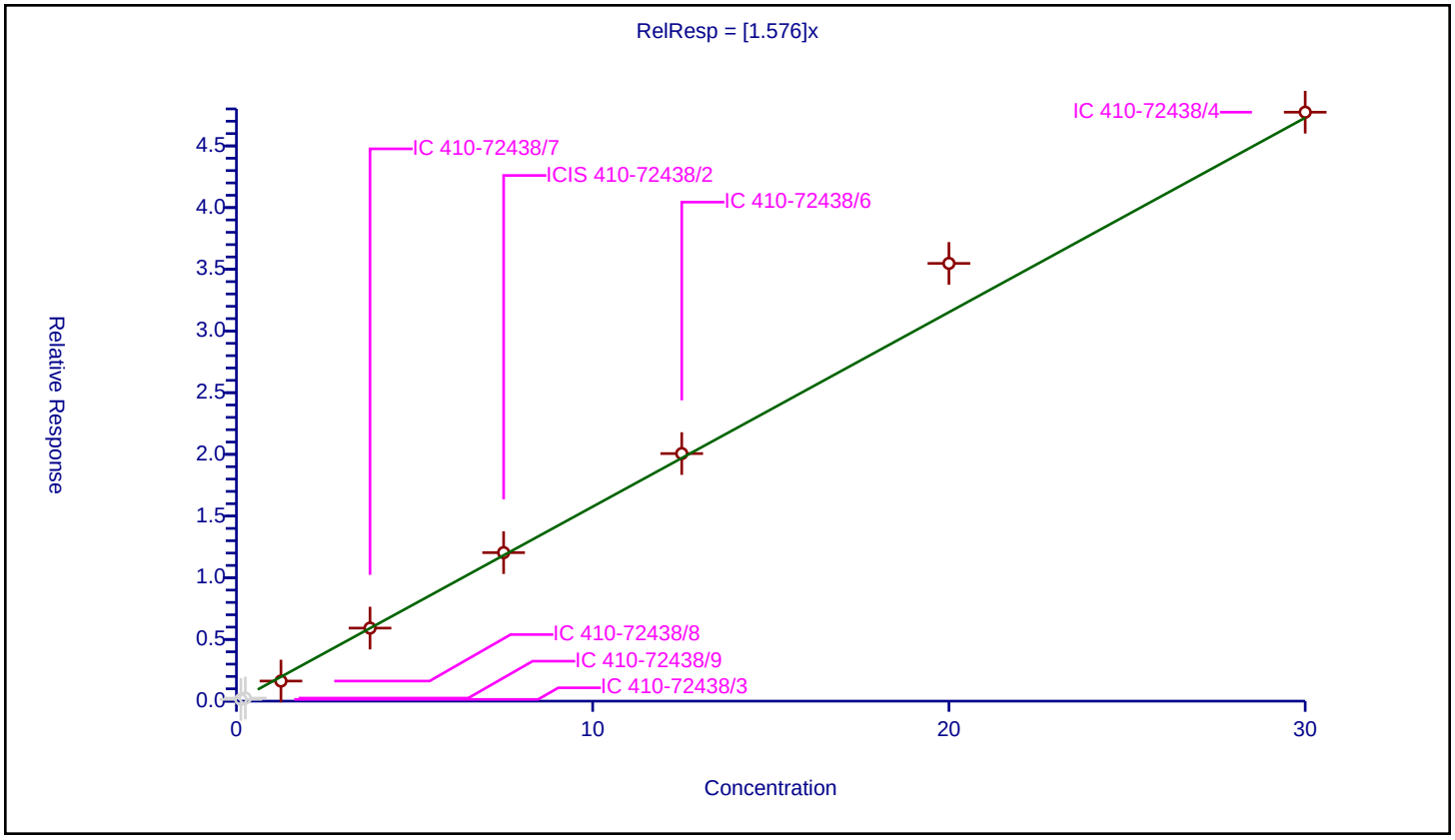
Curve Coefficients

Intercept:	0
Slope:	1.576

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	9.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.141891	5.0	344348.0	1.135131	N
2	IC 410-72438/9	0.25	0.246846	5.0	332110.0	0.987384	N
3	IC 410-72438/8	1.25	1.628228	5.0	343972.0	1.302583	Y
4	IC 410-72438/7	3.75	5.919656	5.0	336343.0	1.578575	Y
5	ICIS 410-72438/2	7.5	12.038267	5.0	378790.0	1.605102	Y
6	IC 410-72438/6	12.5	20.064813	5.0	456469.0	1.605185	Y
7	IC 410-72438/5	20.0	35.477816	5.0	361143.0	1.773891	Y
8	IC 410-72438/4	30.0	47.732421	5.0	412689.0	1.591081	Y



Calibration / Benzo[b]fluoranthene

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

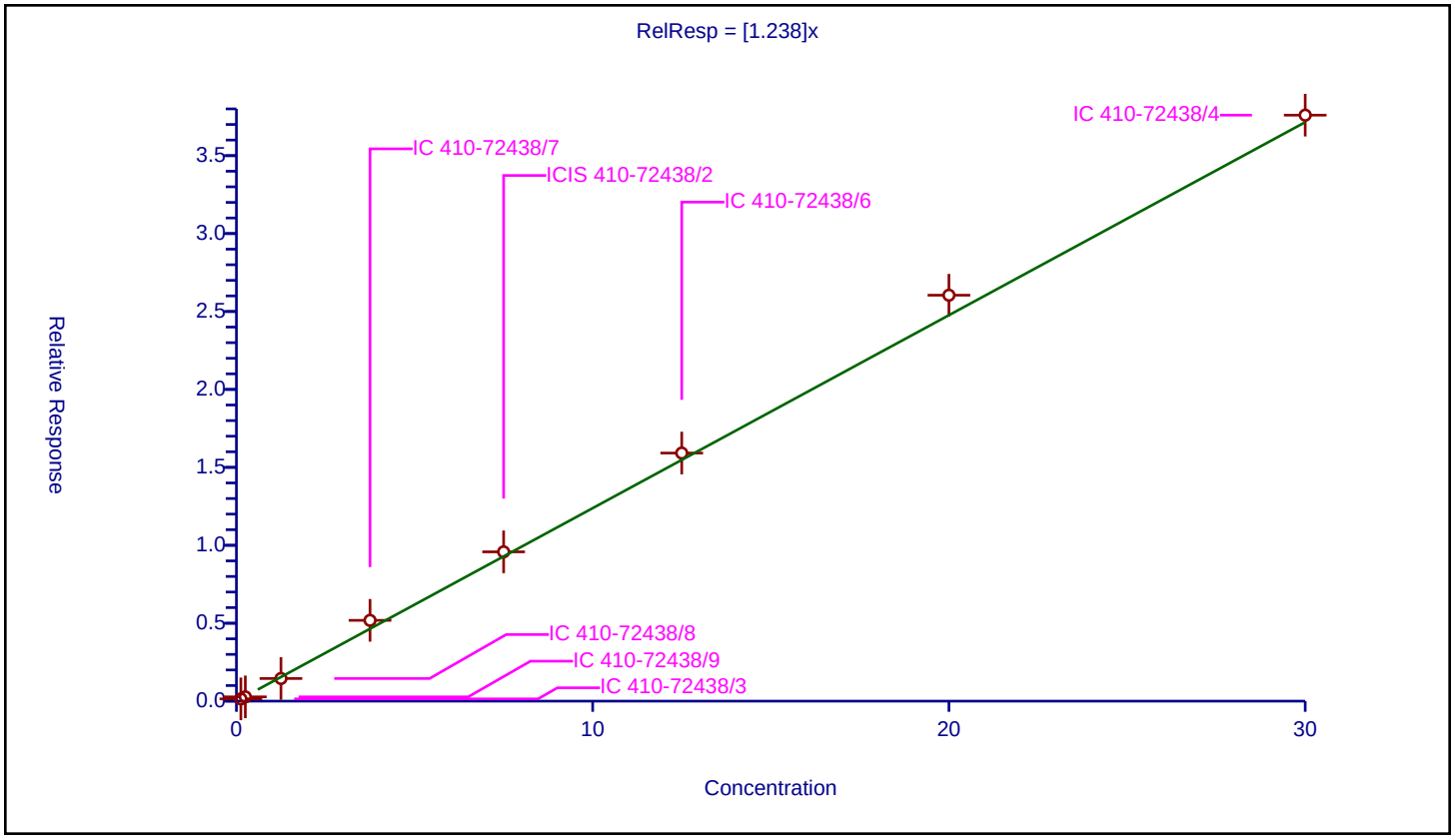
Curve Coefficients

Intercept:	0
Slope:	1.238

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	7.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.145173	5.0	344348.0	1.161383	Y
2	IC 410-72438/9	0.25	0.273689	5.0	332110.0	1.094758	Y
3	IC 410-72438/8	1.25	1.451412	5.0	343972.0	1.161129	Y
4	IC 410-72438/7	3.75	5.183518	5.0	336343.0	1.382271	Y
5	ICIS 410-72438/2	7.5	9.579107	5.0	378790.0	1.277214	Y
6	IC 410-72438/6	12.5	15.917006	5.0	456469.0	1.273361	Y
7	IC 410-72438/5	20.0	26.045638	5.0	361143.0	1.302282	Y
8	IC 410-72438/4	30.0	37.598325	5.0	412689.0	1.253277	Y



Calibration / 7,12-Dimethylbenz(a)anthracene

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

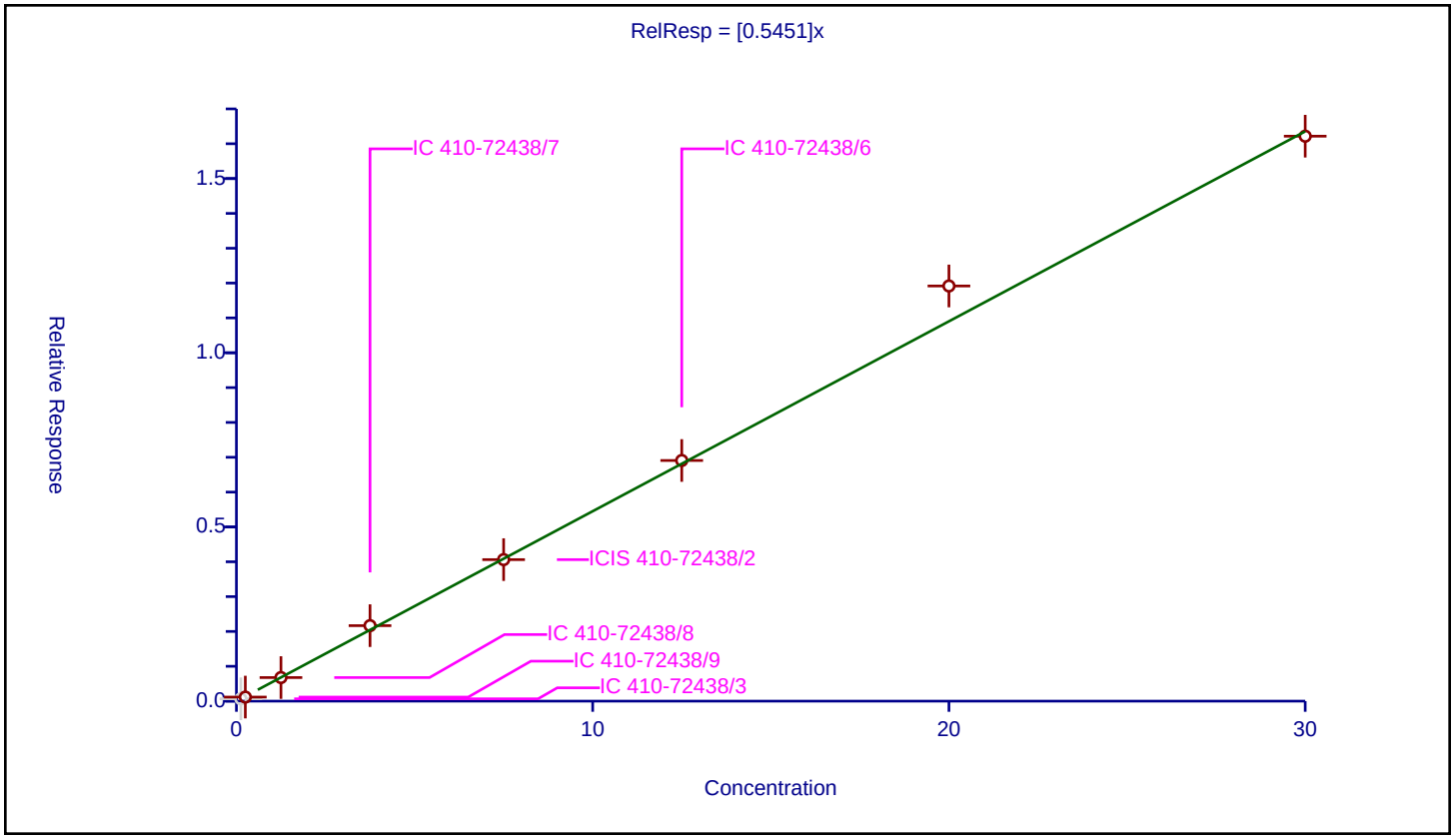
Curve Coefficients

Intercept:	0
Slope:	0.5451

Error Coefficients

Standard Error:	713000
Relative Standard Error:	7.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.067054	5.0	344348.0	0.536434	N
2	IC 410-72438/9	0.25	0.116362	5.0	332110.0	0.465448	Y
3	IC 410-72438/8	1.25	0.677352	5.0	343972.0	0.541881	Y
4	IC 410-72438/7	3.75	2.167133	5.0	336343.0	0.577902	Y
5	ICIS 410-72438/2	7.5	4.062132	5.0	378790.0	0.541618	Y
6	IC 410-72438/6	12.5	6.907786	5.0	456469.0	0.552623	Y
7	IC 410-72438/5	20.0	11.917163	5.0	361143.0	0.595858	Y
8	IC 410-72438/4	30.0	16.216134	5.0	412689.0	0.540538	Y



Calibration / Benzo[k]fluoranthene

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

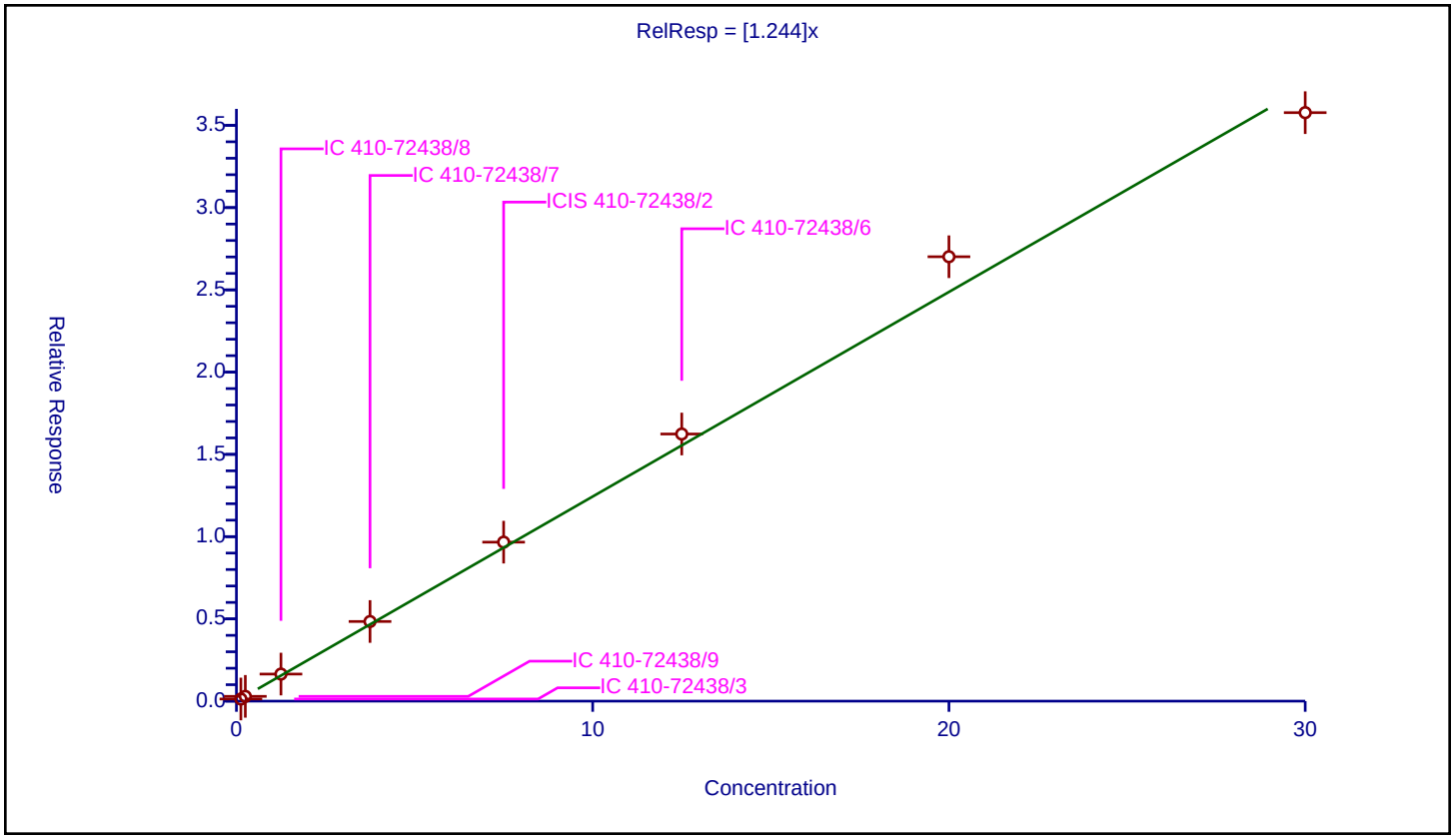
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	8.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.131074	5.0	344348.0	1.04859	Y
2	IC 410-72438/9	0.25	0.290491	5.0	332110.0	1.161964	Y
3	IC 410-72438/8	1.25	1.645715	5.0	343972.0	1.316572	Y
4	IC 410-72438/7	3.75	4.841412	5.0	336343.0	1.291043	Y
5	ICIS 410-72438/2	7.5	9.664854	5.0	378790.0	1.288647	Y
6	IC 410-72438/6	12.5	16.237105	5.0	456469.0	1.298968	Y
7	IC 410-72438/5	20.0	27.013925	5.0	361143.0	1.350696	Y
8	IC 410-72438/4	30.0	35.772216	5.0	412689.0	1.192407	Y



Calibration / Benzo[a]pyrene

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

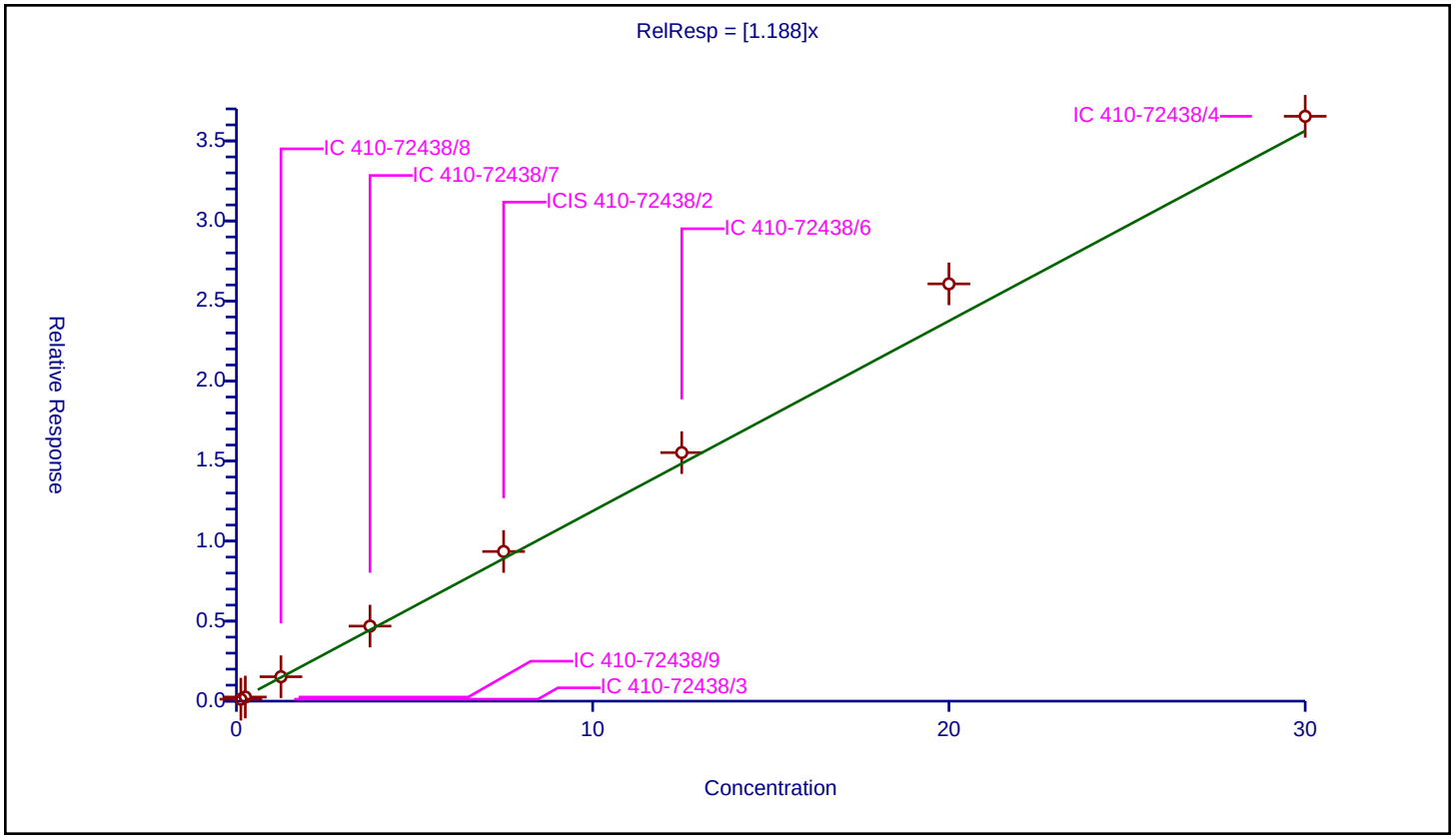
Curve Coefficients

Intercept:	0
Slope:	1.188

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	9.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.123843	5.0	344348.0	0.990742	Y
2	IC 410-72438/9	0.25	0.257264	5.0	332110.0	1.029057	Y
3	IC 410-72438/8	1.25	1.525793	5.0	343972.0	1.220634	Y
4	IC 410-72438/7	3.75	4.68877	5.0	336343.0	1.250339	Y
5	ICIS 410-72438/2	7.5	9.348834	5.0	378790.0	1.246511	Y
6	IC 410-72438/6	12.5	15.526553	5.0	456469.0	1.242124	Y
7	IC 410-72438/5	20.0	26.068593	5.0	361143.0	1.30343	Y
8	IC 410-72438/4	30.0	36.536629	5.0	412689.0	1.217888	Y



Calibration / 3-Methylcholanthrene

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

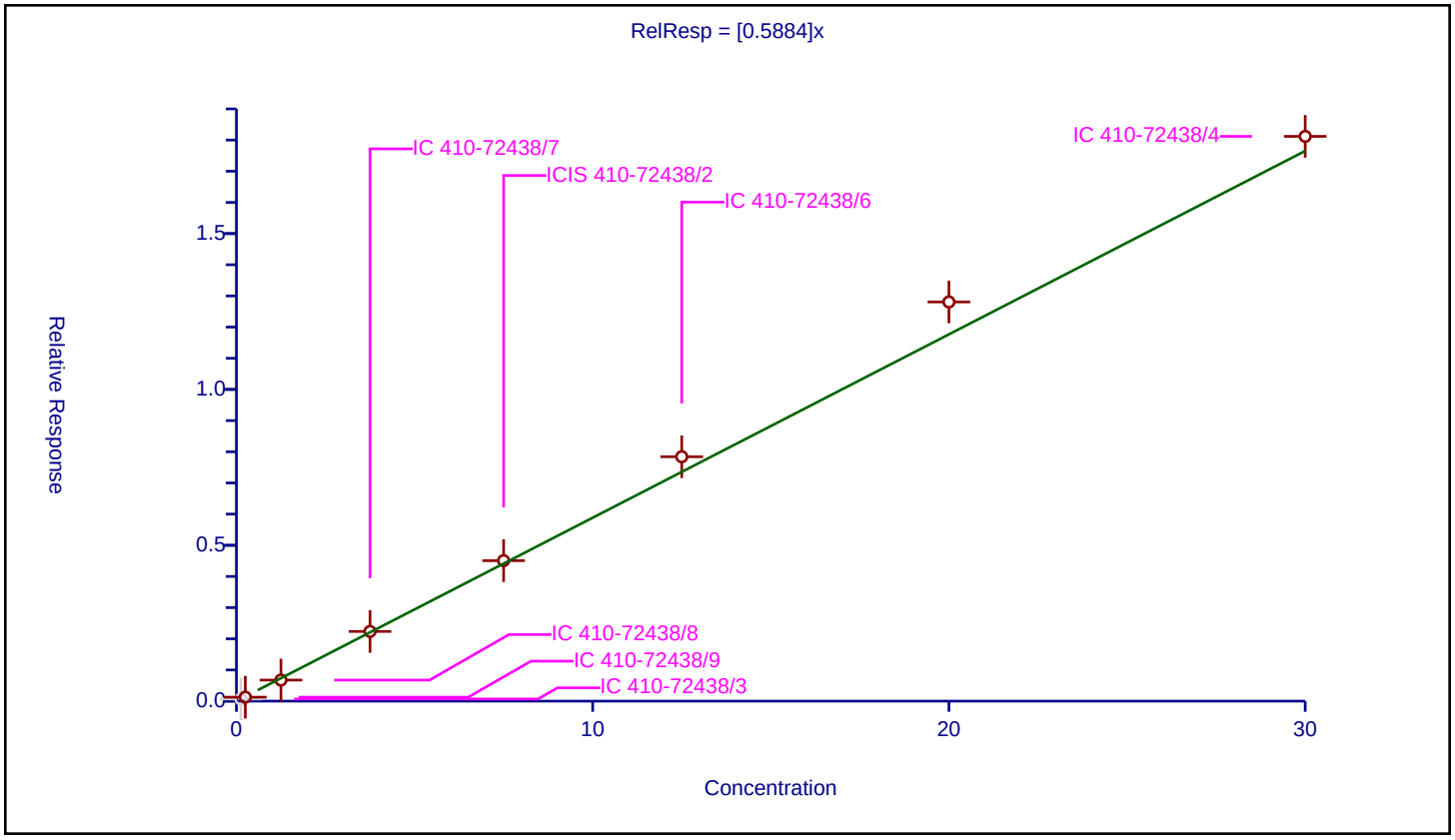
Curve Coefficients

Intercept:	0
Slope:	0.5884

Error Coefficients

Standard Error:	790000
Relative Standard Error:	8.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.069102	5.0	344348.0	0.552813	N
2	IC 410-72438/9	0.25	0.127277	5.0	332110.0	0.509108	Y
3	IC 410-72438/8	1.25	0.675796	5.0	343972.0	0.540637	Y
4	IC 410-72438/7	3.75	2.235962	5.0	336343.0	0.596256	Y
5	ICIS 410-72438/2	7.5	4.506864	5.0	378790.0	0.600915	Y
6	IC 410-72438/6	12.5	7.841244	5.0	456469.0	0.6273	Y
7	IC 410-72438/5	20.0	12.806741	5.0	361143.0	0.640337	Y
8	IC 410-72438/4	30.0	18.11845	5.0	412689.0	0.603948	Y



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

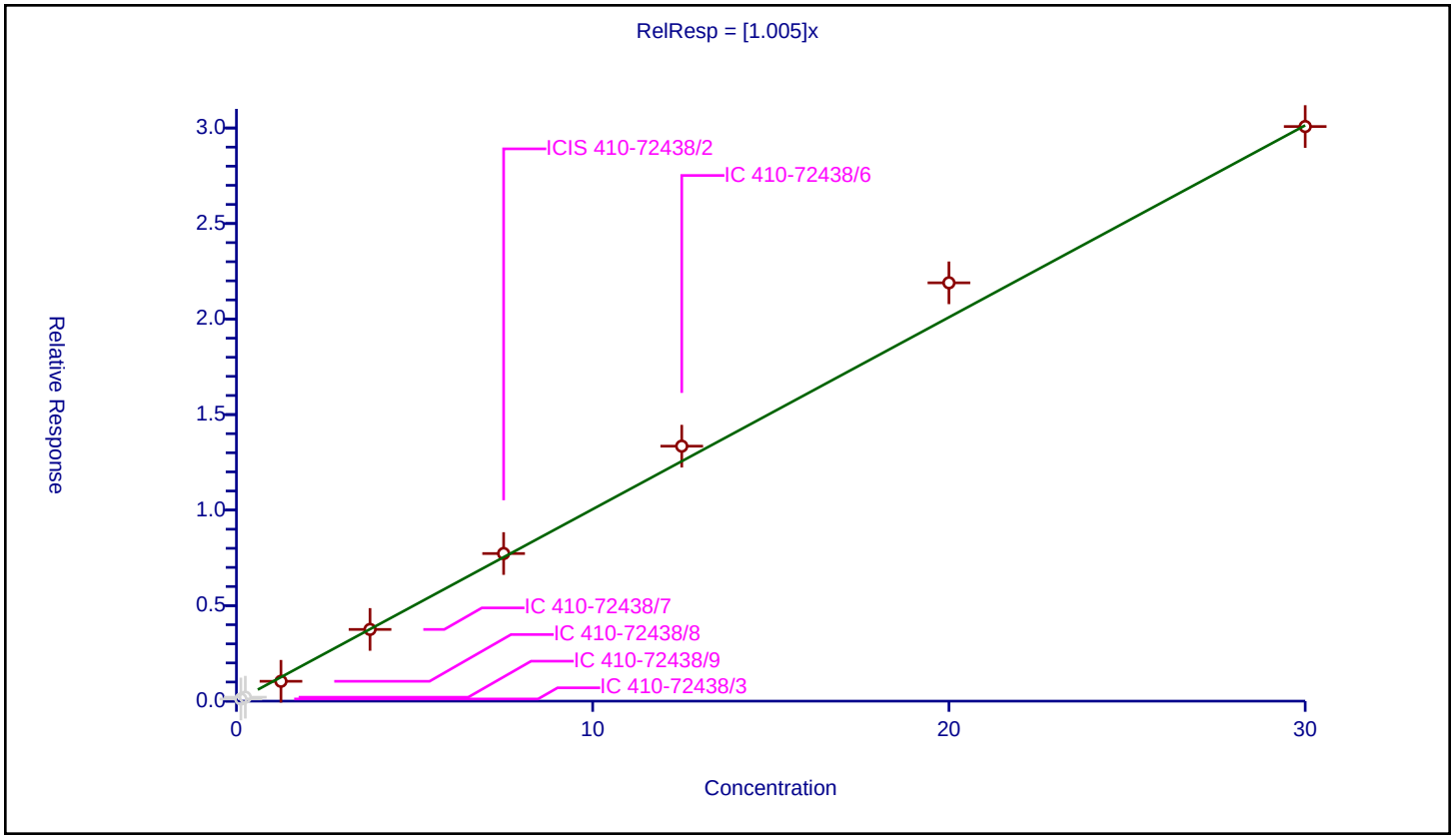
Curve Coefficients

Intercept:	0
Slope:	1.005

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	9.2
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.113533	5.0	344348.0	0.908267	N
2	IC 410-72438/9	0.25	0.205835	5.0	332110.0	0.823342	N
3	IC 410-72438/8	1.25	1.039082	5.0	343972.0	0.831265	Y
4	IC 410-72438/7	3.75	3.753519	5.0	336343.0	1.000939	Y
5	ICIS 410-72438/2	7.5	7.726762	5.0	378790.0	1.030235	Y
6	IC 410-72438/6	12.5	13.346952	5.0	456469.0	1.067756	Y
7	IC 410-72438/5	20.0	21.896839	5.0	361143.0	1.094842	Y
8	IC 410-72438/4	30.0	30.076959	5.0	412689.0	1.002565	Y



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

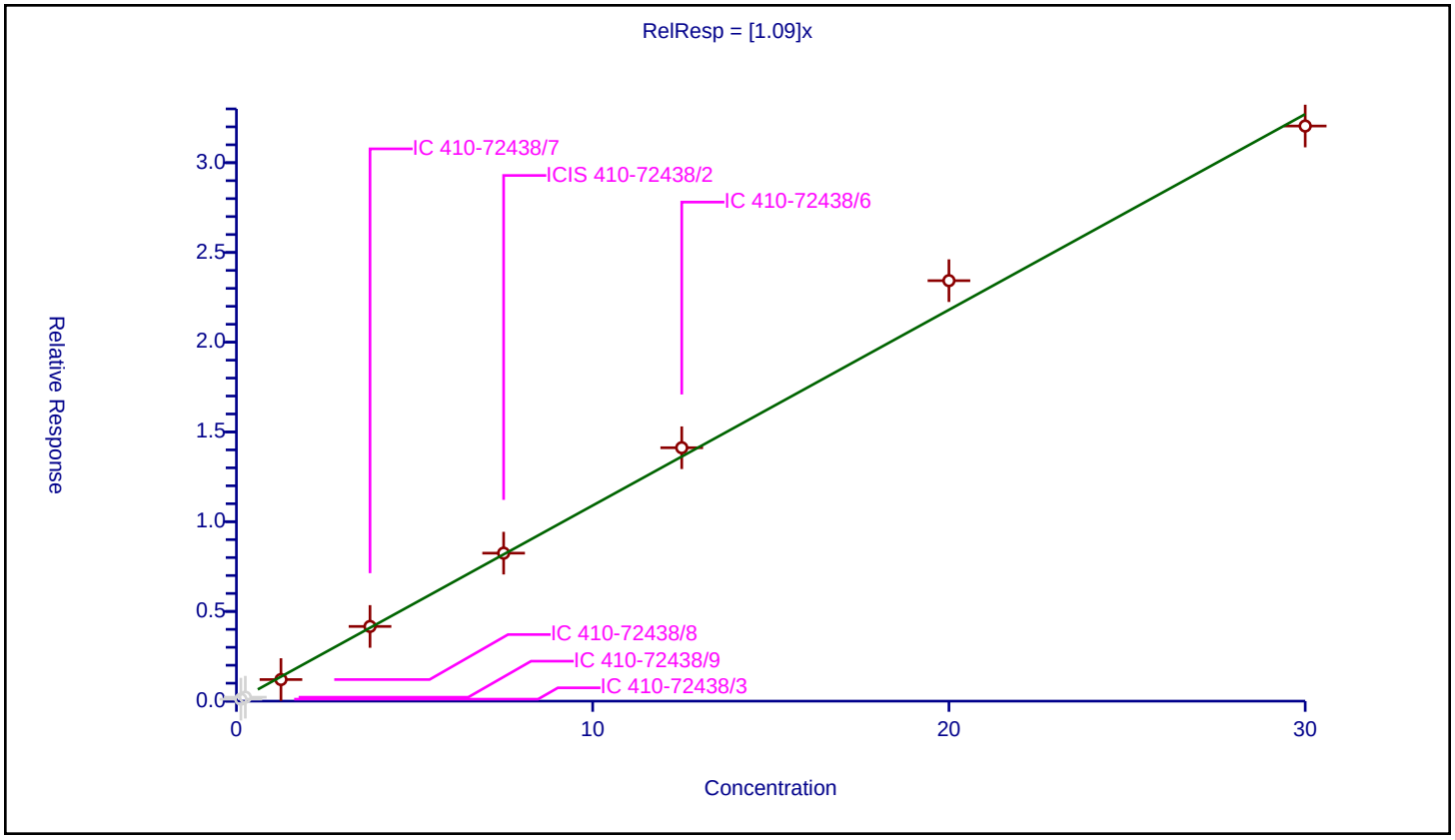
Curve Coefficients

Intercept:	0
Slope:	1.09

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	6.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.11015	5.0	344348.0	0.881202	N
2	IC 410-72438/9	0.25	0.219204	5.0	332110.0	0.876818	N
3	IC 410-72438/8	1.25	1.203107	5.0	343972.0	0.962485	Y
4	IC 410-72438/7	3.75	4.162536	5.0	336343.0	1.11001	Y
5	ICIS 410-72438/2	7.5	8.2454	5.0	378790.0	1.099387	Y
6	IC 410-72438/6	12.5	14.119765	5.0	456469.0	1.129581	Y
7	IC 410-72438/5	20.0	23.429403	5.0	361143.0	1.17147	Y
8	IC 410-72438/4	30.0	32.045887	5.0	412689.0	1.068196	Y



Calibration / Indeno[1,2,3-cd]pyrene

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

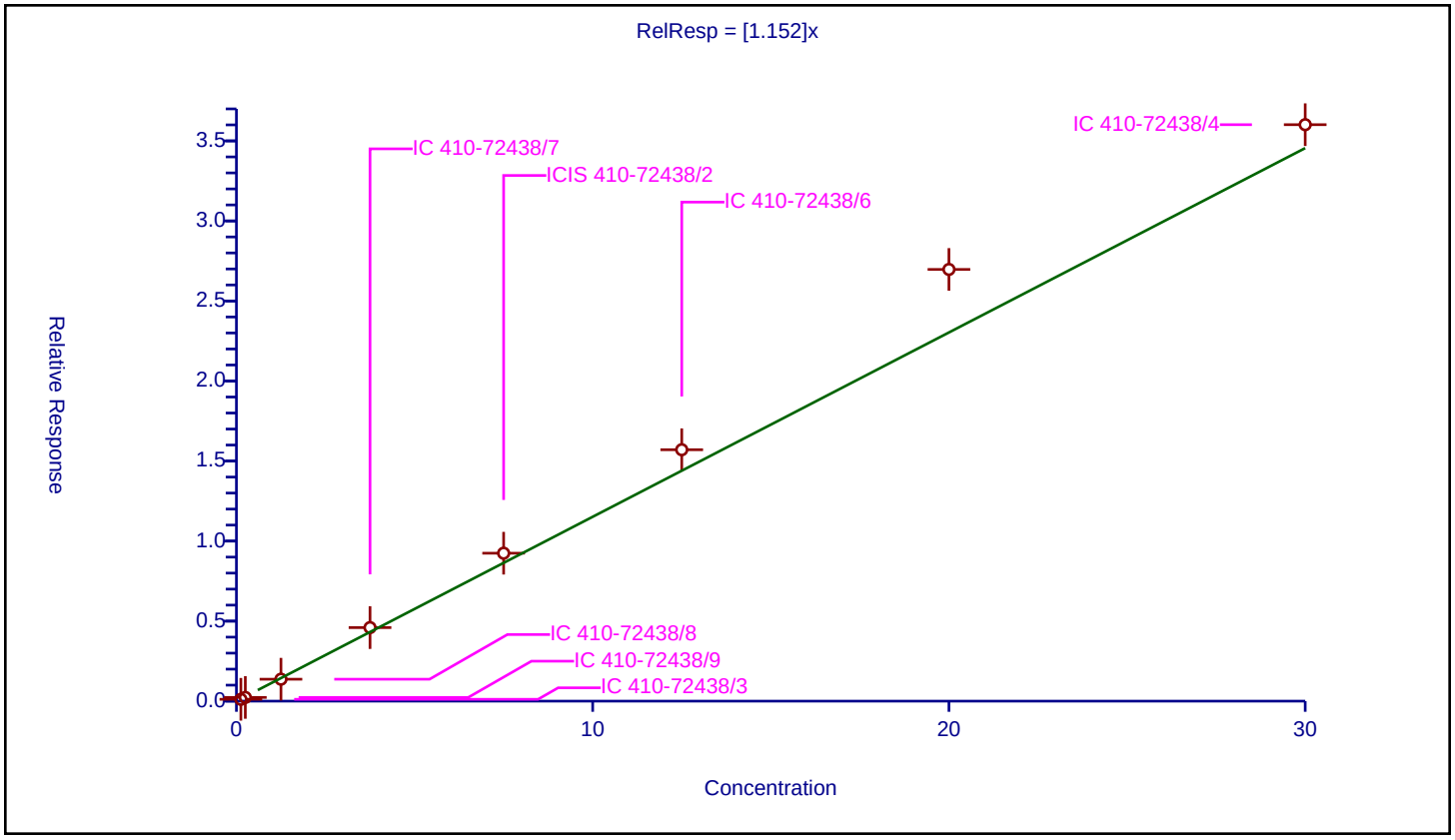
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	13.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.115377	5.0	344348.0	0.92302	Y
2	IC 410-72438/9	0.25	0.232513	5.0	332110.0	0.930053	Y
3	IC 410-72438/8	1.25	1.371042	5.0	343972.0	1.096833	Y
4	IC 410-72438/7	3.75	4.594521	5.0	336343.0	1.225206	Y
5	ICIS 410-72438/2	7.5	9.24239	5.0	378790.0	1.232319	Y
6	IC 410-72438/6	12.5	15.7072	5.0	456469.0	1.256576	Y
7	IC 410-72438/5	20.0	26.970369	5.0	361143.0	1.348518	Y
8	IC 410-72438/4	30.0	36.013839	5.0	412689.0	1.200461	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

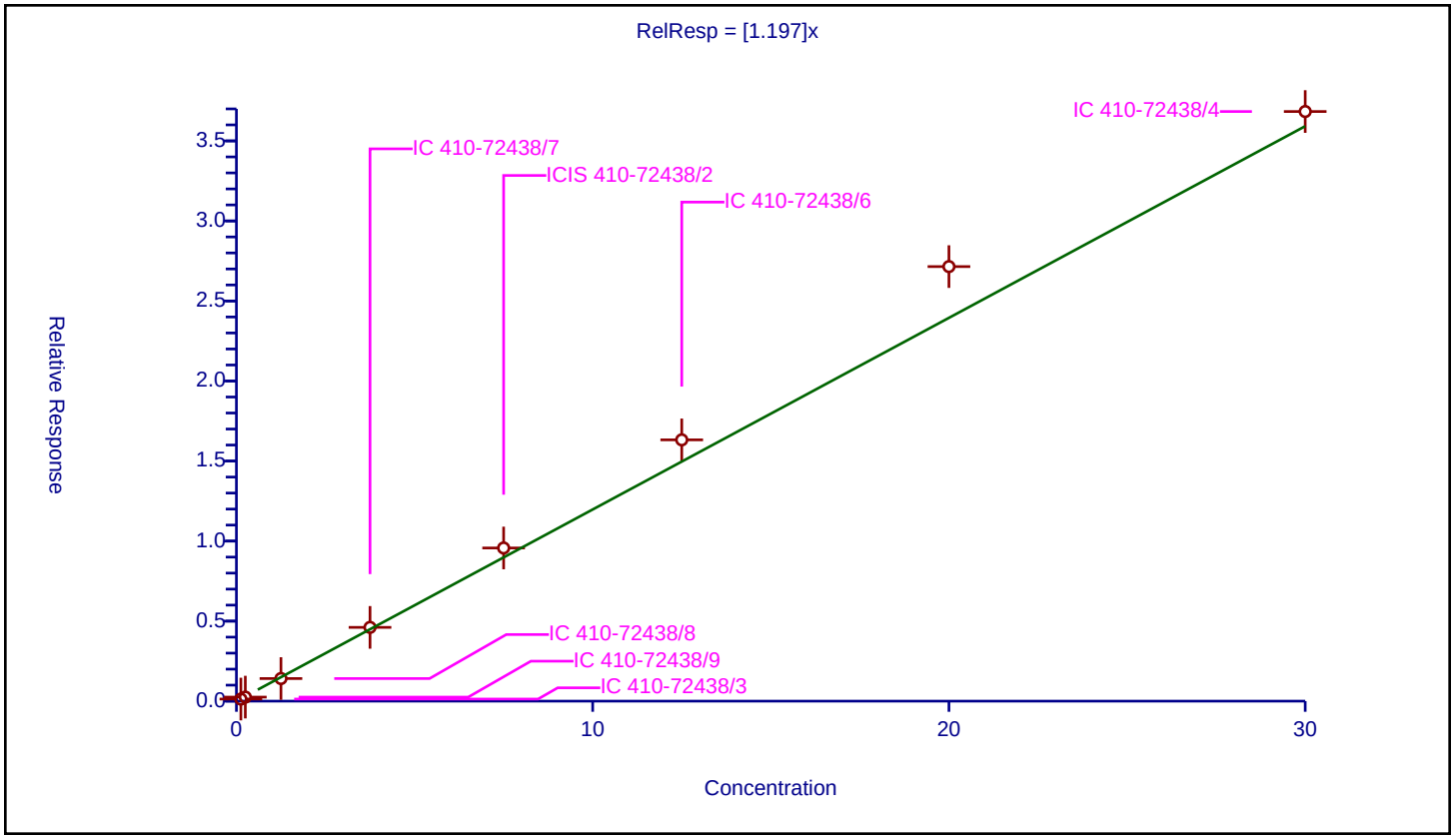
Curve Coefficients

Intercept:	0
Slope:	1.197

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	10.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.130464	5.0	344348.0	1.043712	Y
2	IC 410-72438/9	0.25	0.252296	5.0	332110.0	1.009184	Y
3	IC 410-72438/8	1.25	1.411656	5.0	343972.0	1.129324	Y
4	IC 410-72438/7	3.75	4.60903	5.0	336343.0	1.229075	Y
5	ICIS 410-72438/2	7.5	9.568732	5.0	378790.0	1.275831	Y
6	IC 410-72438/6	12.5	16.323956	5.0	456469.0	1.305917	Y
7	IC 410-72438/5	20.0	27.14739	5.0	361143.0	1.35737	Y
8	IC 410-72438/4	30.0	36.834905	5.0	412689.0	1.22783	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

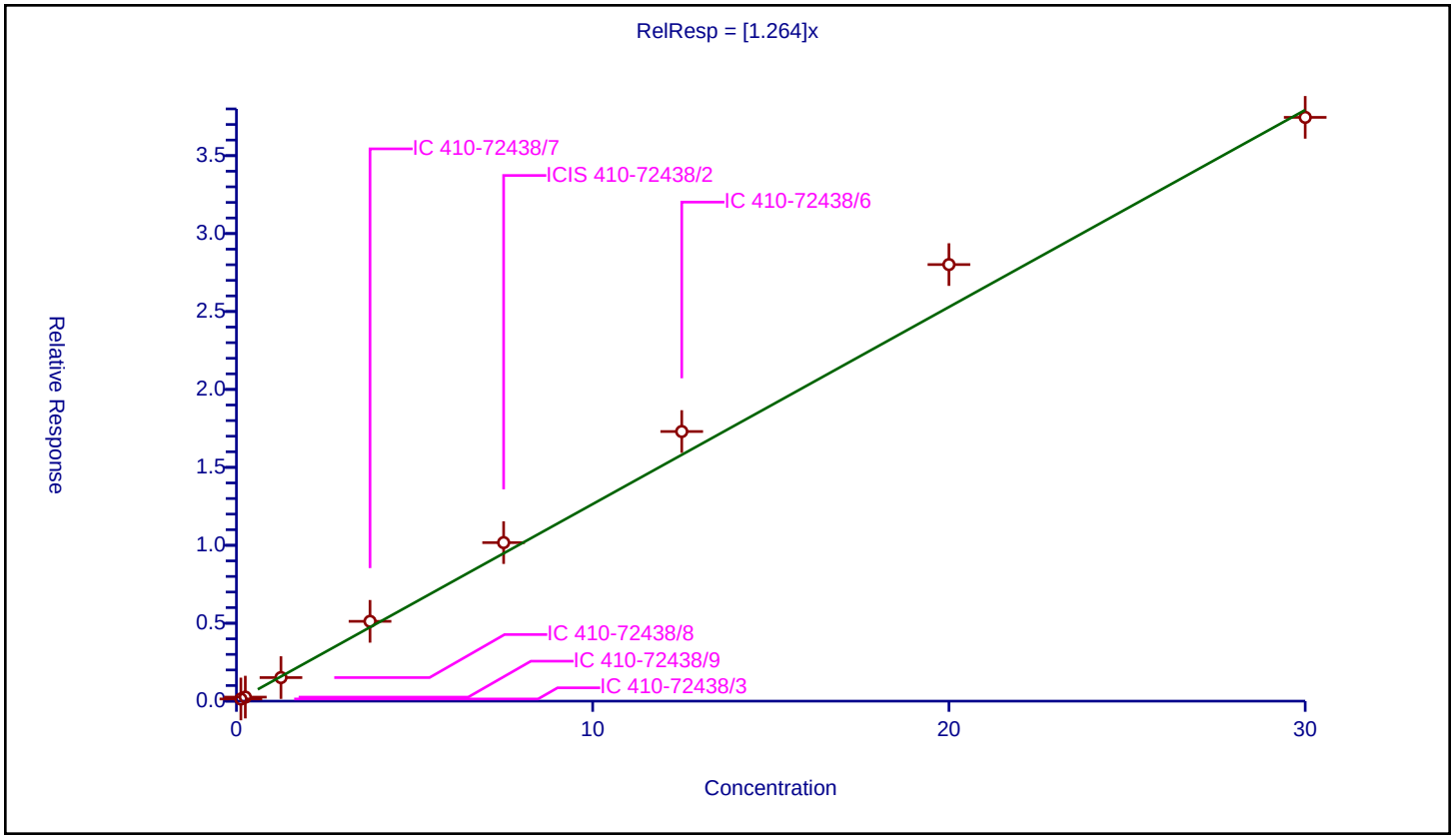
Curve Coefficients

Intercept:	0
Slope:	1.264

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	10.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-72438/3	0.125	0.139147	5.0	344348.0	1.113176	Y
2	IC 410-72438/9	0.25	0.259402	5.0	332110.0	1.037608	Y
3	IC 410-72438/8	1.25	1.511184	5.0	343972.0	1.208947	Y
4	IC 410-72438/7	3.75	5.121245	5.0	336343.0	1.365665	Y
5	ICIS 410-72438/2	7.5	10.171612	5.0	378790.0	1.356215	Y
6	IC 410-72438/6	12.5	17.300288	5.0	456469.0	1.384023	Y
7	IC 410-72438/5	20.0	28.012145	5.0	361143.0	1.400607	Y
8	IC 410-72438/4	30.0	37.456414	5.0	412689.0	1.248547	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab Sample ID (1): ICIS 410-70201/2 Instrument ID (1): HP18831

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 11/24/2020 22:09

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.45	11.20

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab Sample ID (1): ICIS 410-72438/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 12/03/2020 15:02

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.36	9.00

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab Sample ID (1): CCVIS 410-82495/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 01/06/2021 10:50

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.09	16.30

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab Sample ID (1): CCVIS 410-82729/2 Instrument ID (1): HP18831

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 01/06/2021 22:29

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.02	12.70

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab Sample ID (1): CCVIS 410-82839/2 Instrument ID (1): HP18831

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 01/07/2021 08:52

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.02	12.30

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab Sample ID (1): CCVIS 410-83166/2 Instrument ID (1): HP18831

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 01/07/2021 22:20

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.02	12.20

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-25282-1

SDG No.:

Lab Sample ID (1): CCVIS 410-84066/2 Instrument ID (1): HP23264

GC Column (1): DB-5MS 30m 0. ID: 0.25(mm) Date Analyzed (1): 01/12/2021 13:34

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	19.09	14.10

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-70201/12 Calibration Date: 11/25/2020 03:46

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HK1911.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5187	0.5295		12.8	12.5	2.1	30.0
N-Nitrosodimethylamine	Ave	0.8005	0.8036		12.5	12.5	0.4	30.0
Pyridine	Ave	1.427	1.275		22.3	25.0	-10.7	30.0
2-Picoline	Ave	1.493	1.435		12.0	12.5	-3.9	30.0
N-Nitrosomethylethylamine	Ave	0.6140	0.5909		12.0	12.5	-3.8	30.0
Methyl methanesulfonate	Ave	0.5975	0.7128		7.46	6.25	19.3	30.0
N-Nitrosodiethylamine	Ave	0.6261	0.6266		12.5	12.5	0.0	30.0
Ethyl methanesulfonate	Ave	0.6891	0.6446		5.85	6.25	-6.5	30.0
Phenol	Ave	1.781	1.735	0.8000	12.2	12.5	-2.6	30.0
Aniline	Ave	2.093	2.007		12.0	12.5	-4.1	30.0
Bis(2-chloroethyl)ether	Ave	1.361	1.300	0.7000	11.9	12.5	-4.5	30.0
2-Chlorophenol	Ave	1.396	1.382	0.8000	12.4	12.5	-1.0	30.0
1,3-Dichlorobenzene	Ave	1.578	1.558		12.3	12.5	-1.2	30.0
1,4-Dichlorobenzene	Ave	1.593	1.596		12.5	12.5	0.2	30.0
Benzyl alcohol	Ave	0.8726	0.8781		12.6	12.5	0.6	30.0
1,2-Dichlorobenzene	Ave	1.510	1.513		12.5	12.5	0.2	30.0
Indene	Ave	1.952	2.468		15.8	12.5	26.4	30.0
2-Methylphenol	Ave	1.218	1.203	0.7000	12.3	12.5	-1.2	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.407	2.289	0.0100	11.9	12.5	-4.9	30.0
N-Nitrosopyrrolidine	Ave	0.6551	0.6814		13.0	12.5	4.0	30.0
Acetophenone	Ave	1.926	1.830	0.0100	11.9	12.5	-5.0	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.289	1.274	0.6000	12.4	12.5	-1.1	30.0
N-Nitrosodi-n-propylamine	Ave	0.9538	0.9487	0.5000	12.4	12.5	-0.5	30.0
N-Nitrosomorpholine	Ave	0.9887	0.9729		12.3	12.5	-1.6	30.0
o-Toluidine	Ave	2.095	2.063		12.3	12.5	-1.5	30.0
Hexachloroethane	Ave	0.6312	0.6121	0.3000	12.1	12.5	-3.0	30.0
Nitrobenzene	Ave	0.3766	0.3612	0.2000	12.0	12.5	-4.1	30.0
N-Nitrosopiperidine	Ave	0.1782	0.1713		12.0	12.5	-3.9	30.0
Isophorone	Ave	0.6415	0.6537	0.4000	12.7	12.5	1.9	30.0
2-Nitrophenol	Ave	0.1954	0.1927	0.1000	12.3	12.5	-1.4	30.0
2,4-Dimethylphenol	Ave	0.3505	0.3254	0.2000	11.6	12.5	-7.2	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1892	0.1907		12.6	12.5	0.8	30.0
Benzoic acid	Lin		0.2113		11.9	12.5	-5.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.4322	0.4240	0.3000	12.3	12.5	-1.9	30.0
2,4-Dichlorophenol	Ave	0.3128	0.3075	0.2000	12.3	12.5	-1.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3309		12.3	12.5	-1.8	30.0
Naphthalene	Ave	1.097	1.050	0.7000	12.0	12.5	-4.3	30.0
4-Chloroaniline	Ave	0.4171	0.4437	0.0100	13.3	12.5	6.4	30.0
2,6-Dichlorophenol	Ave	0.2976	0.3023		12.7	12.5	1.6	30.0
Hexachloropropene	Ave	0.1997	0.2259		7.07	6.25	13.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-70201/12 Calibration Date: 11/25/2020 03:46

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HK1911.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.2010	0.1993	0.0100	12.4	12.5	-0.9	30.0
Quinoline	Ave	0.6758	0.6787		12.6	12.5	0.4	30.0
N-Nitrosodi-n-butylamine	Ave	0.2490	0.2221		11.1	12.5	-10.8	30.0
4-Chloro-3-methylphenol	Ave	0.2965	0.2946	0.2000	12.4	12.5	-0.7	30.0
Safrole, Total	Ave	0.2826	0.2831		12.5	12.5	0.2	30.0
2-Methylnaphthalene	Ave	0.7204	0.6969	0.4000	12.1	12.5	-3.3	30.0
1-Methylnaphthalene	Ave	0.6795	0.6511		12.0	12.5	-4.2	30.0
Hexachlorocyclopentadiene	Ave	0.4094	0.4368	0.0500	13.3	12.5	6.7	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6771	0.6800	0.0100	12.6	12.5	0.4	30.0
Isosafrole Peak 1	Ave	0.6415	0.4580			1.00	-28.6	30.0
2,4,6-Trichlorophenol	Ave	0.4470	0.4493	0.2000	12.6	12.5	0.5	30.0
2,4,5-Trichlorophenol	Ave	0.4775	0.4768	0.2000	12.5	12.5	-0.1	30.0
Isosafrole Peak 2	Ave	0.6840	0.7193		5.52	5.25	5.2	30.0
1,1'-Biphenyl	Ave	1.890	1.793	0.0100	11.9	12.5	-5.1	30.0
2-Chloronaphthalene	Ave	1.399	1.331	0.8000	11.9	12.5	-4.9	30.0
1-Chloronaphthalene	Ave	1.271	1.329		6.54	6.25	4.6	30.0
2-Nitroaniline	Ave	0.4482	0.4683	0.0100	13.1	12.5	4.5	30.0
1,4-Naphthoquinone	Ave	0.5821	0.5426			6.25	-6.8	30.0
1,4-Dinitrobenzene	Ave	0.2403	0.2490		13.0	12.5	3.7	30.0
Dimethyl phthalate	Ave	1.550	1.497	0.0100	12.1	12.5	-3.4	30.0
1,3-Dinitrobenzene	Ave	0.2661	0.2684		12.6	12.5	0.9	30.0
2,6-Dinitrotoluene	Ave	0.3553	0.3554	0.2000	12.5	12.5	0.0	30.0
Acenaphthylene	Ave	1.937	2.212	0.9000	14.3	12.5	14.2	30.0
3-Nitroaniline	Ave	0.3701	0.3963	0.0100	13.4	12.5	7.1	30.0
Acenaphthene	Ave	1.443	1.423	0.9000	12.3	12.5	-1.3	30.0
2,4-Dinitrophenol	Ave	0.2279	0.2264	0.0100	24.8	25.0	-0.6	30.0
4-Nitrophenol	Ave	0.2233	0.2193	0.0100	24.6	25.0	-1.8	30.0
Pentachlorobenzene	Ave	0.6061	0.6276		6.47	6.25	3.5	30.0
2,4-Dinitrotoluene	Ave	0.4754	0.4697	0.2000	12.4	12.5	-1.2	30.0
Dibenzofuran	Ave	1.981	1.964	0.8000	12.4	12.5	-0.8	30.0
1-Naphthylamine	Ave	1.421	1.298		11.4	12.5	-8.7	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3616	0.4001	0.0100	13.8	12.5	10.7	30.0
2-Naphthylamine	Ave	1.374	1.338		12.2	12.5	-2.6	30.0
Diethyl phthalate	Ave	1.552	1.506	0.0100	12.1	12.5	-3.0	30.0
Fluorene	Ave	1.566	1.564	0.9000	12.5	12.5	-0.2	30.0
Thionazin	Ave	0.2692	0.2657		12.3	12.5	-1.3	30.0
4-Chlorophenyl-phenyl ether	Ave	0.7547	0.7359	0.4000	12.2	12.5	-2.5	30.0
5-Nitro-o-toluidine	Ave	0.4256	0.4508		13.2	12.5	5.9	30.0
4-Nitroaniline	Ave	0.3959	0.3981	0.0100	12.6	12.5	0.5	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1486	0.1500	0.0100	25.2	25.0	0.9	30.0
N-Nitrosodiphenylamine	Ave	0.6682	0.6728	0.0100	10.7	10.6	0.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-70201/12 Calibration Date: 11/25/2020 03:46

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HK1911.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Diphenylhydrazine	Ave	0.7423	0.7579		12.8	12.5	2.1	30.0
Sulfotepp	Ave	0.1268	0.1266		12.5	12.5	-0.2	30.0
cis-Diallate	Ave	0.3266	0.3323		9.54	9.38	1.7	30.0
Phorate	Ave	0.4436	0.4522		12.7	12.5	1.9	30.0
Phenacetin	Ave	0.3680	0.3899		13.2	12.5	6.0	30.0
4-Bromophenyl-phenylether	Ave	0.2267	0.2214	0.1000	12.2	12.5	-2.3	30.0
trans-Diallate	Ave	0.3265	0.3216		3.08	3.13	-1.5	30.0
Hexachlorobenzene	Ave	0.2608	0.2546	0.1000	12.2	12.5	-2.4	30.0
Dimethoate	Ave	0.3033	0.3140		12.9	12.5	3.5	30.0
Pentachlorophenol	Ave	0.1743	0.1758	0.0500	25.2	25.0	0.9	30.0
4-Aminobiphenyl	Ave	0.5068	0.9270		22.9	12.5	82.9*	30.0
Pentachloronitrobenzene	Ave	0.1027	0.1068		13.0	12.5	4.0	30.0
Pronamide	Ave	0.3628	0.3742		12.9	12.5	3.1	30.0
Dinoseb	Ave	0.2144	0.2195		6.40	6.25	2.4	30.0
Phenanthrene	Ave	1.163	1.148	0.7000	12.3	12.5	-1.3	30.0
Anthracene	Ave	1.170	1.183	0.7000	12.6	12.5	1.1	30.0
Carbazole	Ave	1.105	1.144	0.0100	12.9	12.5	3.6	30.0
Methyl parathion	Ave	0.2555	0.2771		13.6	12.5	8.4	30.0
Di-n-butyl phthalate	Ave	1.440	1.438	0.0100	12.5	12.5	-0.1	30.0
Parathion	Ave	0.1592	0.1675		13.2	12.5	5.2	30.0
4-Nitroquinoline-1-oxide	Ave	0.1436	0.1405		12.2	12.5	-2.2	30.0
Isodrin	Ave	0.1432	0.1441		6.29	6.25	0.6	30.0
Fluoranthene	Ave	1.344	1.355	0.6000	12.6	12.5	0.8	30.0
Benzidine	Ave	0.8997	0.8105		11.3	12.5	-9.9	30.0
Pyrene	Ave	1.383	1.343	0.6000	12.1	12.5	-2.9	30.0
p-Dimethylamino azobenzene	Ave	0.2301	0.2617		14.2	12.5	13.7	30.0
Chlorobenzilate	Ave	0.4007	0.4077		6.36	6.25	1.7	30.0
3,3'-Dimethylbenzidine	Ave	0.8987	0.7772		10.8	12.5	-13.5	30.0
Butylbenzylphthalate	Ave	0.6263	0.6289	0.0100	12.6	12.5	0.4	30.0
2-Acetylaminofluorene	Ave	0.5125	0.5093		12.4	12.5	-0.6	30.0
3,3'-Dichlorobenzidine	Ave	0.4871	0.5014	0.0100	12.9	12.5	2.9	30.0
Benzo[a]anthracene	Ave	1.177	1.246	0.8000	13.2	12.5	5.8	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2505	0.2583			12.5	3.1	30.0
Chrysene	Ave	1.190	1.179	0.7000	12.4	12.5	-0.9	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8973	0.9014	0.0100	12.6	12.5	0.5	30.0
6-Methylchrysene	Ave	0.8960	0.8708		12.1	12.5	-2.8	30.0
Di-n-octyl phthalate	Ave	1.512	1.469	0.0100	12.1	12.5	-2.8	30.0
Benzo[b]fluoranthene	Ave	1.242	1.210	0.7000	12.2	12.5	-2.6	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5636	0.5793		6.42	6.25	2.8	30.0
Benzo[k]fluoranthene	Ave	1.193	1.225	0.7000	12.8	12.5	2.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-70201/12 Calibration Date: 11/25/2020 03:46

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HK1911.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	1.138	1.155	0.7000	12.7	12.5	1.5	30.0
3-Methylcholanthrene	Ave	0.5870	0.6375		13.6	12.5	8.6	30.0
Dibenz[a,h]acridine	Ave	0.9467	0.9905		13.1	12.5	4.6	30.0
Dibenz[a,j]acridine	Ave	0.9918	0.9692		12.2	12.5	-2.3	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.105	1.056	0.5000	11.9	12.5	-4.5	30.0
Dibenz(a,h)anthracene	Ave	1.151	1.151	0.4000	12.5	12.5	0.0	30.0
Benzo[g,h,i]perylene	Ave	1.170	1.117	0.5000	11.9	12.5	-4.5	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1911.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 25-Nov-2020 03:46:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0016459-012
Operator ID: sw30417 Instrument ID: HP18831
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:33:36 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: monbornee Date: 25-Nov-2020 08:35:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.493	2.482	0.011	95	412045	12.5	12.8	
2 N-Nitrosodimethylamine	74	3.036	3.024	0.012	90	625339	12.5	12.5	
3 Pyridine	79	3.059	3.059	0.000	84	1984580	25.0	22.3	
5 2-Picoline	93	4.219	4.219	0.000	91	1116592	12.5	12.0	
6 N-Nitrosomethylethylamine	88	4.411	4.411	0.000	96	459816	12.5	12.0	
9 Methyl methanesulfonate	80	4.854	4.854	0.000	88	277364	6.25	7.46	
11 N-Nitrosodiethylamine	102	5.425	5.419	0.006	91	487606	12.5	12.5	
13 Ethyl methanesulfonate	109	5.868	5.868	0.000	98	250823	6.25	5.85	
17 Phenol	94	6.457	6.457	0.000	92	1350382	12.5	12.2	
18 Aniline	93	6.492	6.486	0.006	97	1561793	12.5	12.0	
19 Bis(2-chloroethyl)ether	93	6.603	6.603	0.000	94	1011491	12.5	11.9	
20 2-Chlorophenol	128	6.655	6.655	0.000	95	1075183	12.5	12.4	
22 1,3-Dichlorobenzene	146	6.888	6.882	0.006	98	1212674	12.5	12.3	a
* 23 1,4-Dichlorobenzene-d4	152	6.976	6.976	0.000	95	311280	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.999	6.999	0.000	94	1241633	12.5	12.5	a
26 Benzyl alcohol	108	7.186	7.185	0.001	93	683321	12.5	12.6	
27 1,2-Dichlorobenzene	146	7.221	7.209	0.006	98	1177583	12.5	12.5	a
28 Indene	115	7.355	7.354	0.001	89	1920546	12.5	15.8	
30 2-Methylphenol	108	7.360	7.360	0.000	94	935887	12.5	12.3	
32 2,2'-oxybis[1-chloropropane]	45	7.419	7.413	0.006	93	1781432	12.5	11.9	
33 N-Nitrosopyrrolidine	100	7.547	7.541	0.006	86	530301	12.5	13.0	
34 Acetophenone	105	7.588	7.582	0.006	96	1423927	12.5	11.9	
36 4-Methylphenol	108	7.599	7.599	0.000	97	991484	12.5	12.4	
35 N-Nitrosodi-n-propylamine	70	7.605	7.605	0.000	91	738278	12.5	12.4	
37 N-Nitrosomorpholine	56	7.617	7.611	0.006	93	757137	12.5	12.3	a
38 2-Toluidine	106	7.634	7.634	0.000	95	1605434	12.5	12.3	
40 Hexachloroethane	117	7.728	7.728	0.000	95	476300	12.5	12.1	
42 Nitrobenzene	77	7.833	7.832	0.001	91	1048053	12.5	12.0	
43 N-Nitrosopiperidine	114	8.066	8.060	0.006	80	496963	12.5	12.0	
45 Isophorone	82	8.211	8.211	0.000	96	1896964	12.5	12.7	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	46 2-Nitrophenol	139	8.322	8.322	0.000	89	559139	12.5	12.3	
	48 2,4-Dimethylphenol	107	8.415	8.415	0.000	95	944273	12.5	11.6	
	50 Benzoic acid	105	8.567	8.538	0.029	92	613227	12.5	11.9	
	49 o,o',o''-Triethylphosphorothioat	198	8.544	8.544	0.000	83	553353	12.5	12.6	
	51 Bis(2-chloroethoxy)methane	93	8.579	8.573	0.006	97	1230215	12.5	12.3	
	52 2,4-Dichlorophenol	162	8.695	8.695	0.000	93	892175	12.5	12.3	
	53 1,2,4-Trichlorobenzene	180	8.829	8.829	0.000	94	960197	12.5	12.3	
*	54 Naphthalene-d8	136	8.911	8.911	0.000	99	1160700	5.00	5.00	
	55 Naphthalene	128	8.946	8.946	0.000	97	3045560	12.5	12.0	
	57 4-Chloroaniline	127	9.045	9.039	0.006	95	1287489	12.5	13.3	
	58 2,6-Dichlorophenol	162	9.051	9.051	0.000	96	877109	12.5	12.7	
	59 Hexachloropropene	213	9.092	9.091	0.001	88	327760	6.25	7.07	
	60 Hexachlorobutadiene	225	9.167	9.167	0.000	96	578355	12.5	12.4	
	62 Quinoline	129	9.470	9.464	0.006	97	1969400	12.5	12.6	
	64 N-Nitrosodi-n-butylamine	84	9.616	9.610	0.006	91	644438	12.5	11.1	
S	65 Diallate	86				0		12.5	12.6	
	66 4-Chloro-3-methylphenol	107	9.832	9.832	0.000	95	854752	12.5	12.4	
	67 Safrole, Total	162	9.937	9.937	0.000	91	821619	12.5	12.5	
	68 2-Methylnaphthalene	142	10.047	10.047	0.000	92	2022318	12.5	12.1	
	69 1-Methylnaphthalene	142	10.199	10.199	0.000	93	1889286	12.5	12.0	
	71 Hexachlorocyclopentadiene	237	10.310	10.310	0.000	96	617207	12.5	13.3	
	72 1,2,4,5-Tetrachlorobenzene	216	10.316	10.315	0.001	97	960954	12.5	12.6	
	73 Isosafrole Peak 1	162	10.403	10.403	0.000	91	51783	1.00	0.7140	
	74 2,4,6-Trichlorophenol	196	10.502	10.508	-0.006	92	634974	12.5	12.6	
	75 2,4,5-Trichlorophenol	196	10.549	10.549	0.000	95	673866	12.5	12.5	
	77 Isosafrole Peak 2	162	10.764	10.764	0.000	93	426904	5.25	5.52	
	78 1,1'-Biphenyl	154	10.811	10.811	0.000	96	2534151	12.5	11.9	
	79 2-Chloronaphthalene	162	10.817	10.817	0.000	98	1880444	12.5	11.9	
	80 1-Chloronaphthalene	162	10.852	10.852	0.000	98	939250	6.25	6.54	
	82 2-Nitroaniline	138	10.992	10.992	0.000	85	661847	12.5	13.1	
	84 1,4-Naphthoquinone	158	11.108	11.108	0.000	91	383420	6.25	5.83	
	85 1,4-Dinitrobenzene	168	11.231	11.225	0.006	96	351926	12.5	13.0	
	86 Dimethyl phthalate	163	11.330	11.330	0.000	98	2114971	12.5	12.1	
	87 1,3-Dinitrobenzene	168	11.341	11.341	0.000	83	379324	12.5	12.6	
	88 2,6-Dinitrotoluene	165	11.405	11.400	0.005	94	502239	12.5	12.5	
	89 Acenaphthylene	152	11.475	11.475	0.000	98	3126117	12.5	14.3	
	90 3-Nitroaniline	138	11.639	11.639	0.000	91	560071	12.5	13.4	
*	91 Acenaphthene-d10	164	11.691	11.691	0.000	97	565270	5.00	5.00	
	93 Acenaphthene	153	11.738	11.738	0.000	95	2011539	12.5	12.3	
	94 2,4-Dinitrophenol	184	11.796	11.790	0.006	86	639862	25.0	24.8	
	95 4-Nitrophenol	109	11.901	11.889	0.012	81	619727	25.0	24.6	
	96 Pentachlorobenzene	250	11.924	11.924	0.000	98	443447	6.25	6.47	
	97 Dibenzofuran	168	11.983	11.977	0.006	95	2775399	12.5	12.4	
	98 2,4-Dinitrotoluene	165	11.983	11.977	0.006	63	663705	12.5	12.4	
	99 1-Naphthylamine	143	12.082	12.081	0.001	98	1833821	12.5	11.4	
	101 2,3,4,6-Tetrachlorophenol	232	12.146	12.146	0.000	73	565386	12.5	13.8	
	103 2-Naphthylamine	143	12.187	12.186	0.001	97	1890410	12.5	12.2	
	104 Diethyl phthalate	149	12.332	12.326	0.006	98	2128218	12.5	12.1	
	105 Fluorene	166	12.414	12.414	0.000	95	2209772	12.5	12.5	
	106 Thionazin	107	12.420	12.420	0.000	80	375443	12.5	12.3	
	108 4-Chlorophenyl phenyl ether	204	12.437	12.437	0.000	92	1040017	12.5	12.2	
	109 4-Nitroaniline	138	12.443	12.437	0.006	87	562545	12.5	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 N-Nitro-o-toluidine	152	12.437	12.437	0.000	88	637040	12.5	13.2	
110 4,6-Dinitro-2-methylphenol	198	12.490	12.484	0.006	84	818573	25.0	25.2	
111 N-Nitrosodiphenylamine	169	12.577	12.577	0.000	62	1560387	10.6	10.7	
112 1,2-Diphenylhydrazine	77	12.624	12.624	0.000	41	2067727	12.5	12.8	
114 Sulfotepp	97	12.810	12.804	0.006	84	345396	12.5	12.5	
115 cis-Diallate	86	12.944	12.944	0.000	82	679997	9.38	9.54	
116 Phorate	75	12.956	12.956	0.000	95	1233647	12.5	12.7	
117 Phenacetin	108	12.973	12.967	0.006	92	1063816	12.5	13.2	
118 4-Bromophenyl phenyl ether	248	13.026	13.026	0.000	65	604006	12.5	12.2	
119 trans-Diallate	86	13.049	13.049	0.000	87	219358	3.13	3.08	
120 Hexachlorobenzene	284	13.078	13.078	0.000	95	694522	12.5	12.2	
121 Dimethoate	87	13.154	13.148	0.006	95	856837	12.5	12.9	
123 Pentachlorophenol	266	13.335	13.329	0.006	94	959183	25.0	25.2	
125 4-Aminobiphenyl	169	13.346	13.346	0.000	90	2529247	12.5	22.9	
124 Pentachloronitrobenzene	237	13.346	13.346	0.000	86	291421	12.5	13.0	
126 Pronamide	173	13.446	13.445	0.001	90	1020916	12.5	12.9	
* 127 Phenanthrene-d10	188	13.568	13.568	0.000	98	1091360	5.00	5.00	
128 Dinoseb	211	13.585	13.585	0.000	97	299503	6.25	6.40	
129 Phenanthrene	178	13.603	13.597	0.006	97	3132065	12.5	12.3	
130 Anthracene	178	13.667	13.667	0.000	97	3227372	12.5	12.6	
131 Carbazole	167	13.883	13.883	0.000	95	3122521	12.5	12.9	
132 Methyl parathion	109	14.087	14.087	0.000	94	756049	12.5	13.6	
133 Di-n-butyl phthalate	149	14.396	14.395	0.001	99	3922962	12.5	12.5	
134 Ethyl Parathion	109	14.635	14.634	0.001	85	457097	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	14.640	14.640	0.000	93	383211	12.5	12.2	
137 Isodrin	193	15.031	15.031	0.000	94	196601	6.25	6.29	
138 Fluoranthene	202	15.252	15.252	0.000	97	3697131	12.5	12.6	
139 Benzidine	184	15.474	15.480	-0.006	99	2314070	12.5	11.3	
* 140 Pyrene-d10 (IS)	212	15.561	15.561	0.000	100	1142091	5.00	5.00	
141 Pyrene	202	15.590	15.590	0.000	98	3835039	12.5	12.1	
143 p-Dimethylamino azobenzene	225	16.109	16.109	0.000	95	747340	12.5	14.2	
144 Chlorobenzilate	139	16.202	16.202	0.000	90	582025	6.25	6.36	
145 3,3'-Dimethylbenzidine	212	16.669	16.669	0.000	99	2218981	12.5	10.8	
146 Butyl benzyl phthalate	149	16.733	16.733	0.000	97	1795681	12.5	12.6	
147 2-Acetylaminofluorene	181	17.088	17.082	0.006	94	1454209	12.5	12.4	
149 3,3'-Dichlorobenzidine	252	17.595	17.590	0.005	79	1431562	12.5	12.9	
148 Benzo[a]anthracene	228	17.601	17.601	0.000	99	3556670	12.5	13.2	
150 4,4'-Methylene bis(2-chloroani	231	17.613	17.613	0.000	96	737397	12.5	12.9	
151 Chrysene	228	17.665	17.665	0.000	97	3366094	12.5	12.4	
152 Bis(2-ethylhexyl) phthalate	149	17.799	17.799	0.000	97	2573841	12.5	12.6	
153 6-Methylchrysene	242	18.470	18.464	0.006	99	2486263	12.5	12.1	
154 Di-n-octyl phthalate	149	18.959	18.959	0.000	99	4355756	12.5	12.1	
155 Benzo[b]fluoranthene	252	19.455	19.449	0.006	98	3585984	12.5	12.2	
156 7,12-Dimethylbenz(a)anthracene	256	19.461	19.461	0.000	92	858766	6.25	6.42	
157 Benzo[k]fluoranthene	252	19.507	19.501	0.006	99	3631942	12.5	12.8	
158 Benzo[a]pyrene	252	19.979	19.973	0.006	77	3422713	12.5	12.7	
* 159 Perylene-d12	264	20.067	20.067	0.000	98	1185846	5.00	5.00	
160 3-Methylcholanthrene	268	20.551	20.551	0.001	92	1889809	12.5	13.6	
161 Dibenz[a,h]acridine	279	21.355	21.355	0.000	91	2936543	12.5	13.1	
162 Dibenz[a,j]acridine	279	21.431	21.425	0.006	96	2873422	12.5	12.2	
163 Indeno[1,2,3-cd]pyrene	276	21.676	21.670	0.006	99	3129213	12.5	11.9	
164 Dibenz(a,h)anthracene	278	21.716	21.710	0.006	93	3412128	12.5	12.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
165 Benzo[g,h,i]perylene	276	22.066	22.060	0.006	98	3312659	12.5	11.9	
S 166 Isosafrole	162				0		6.25	6.23	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00007 Amount Added: 1.00 Units: mL

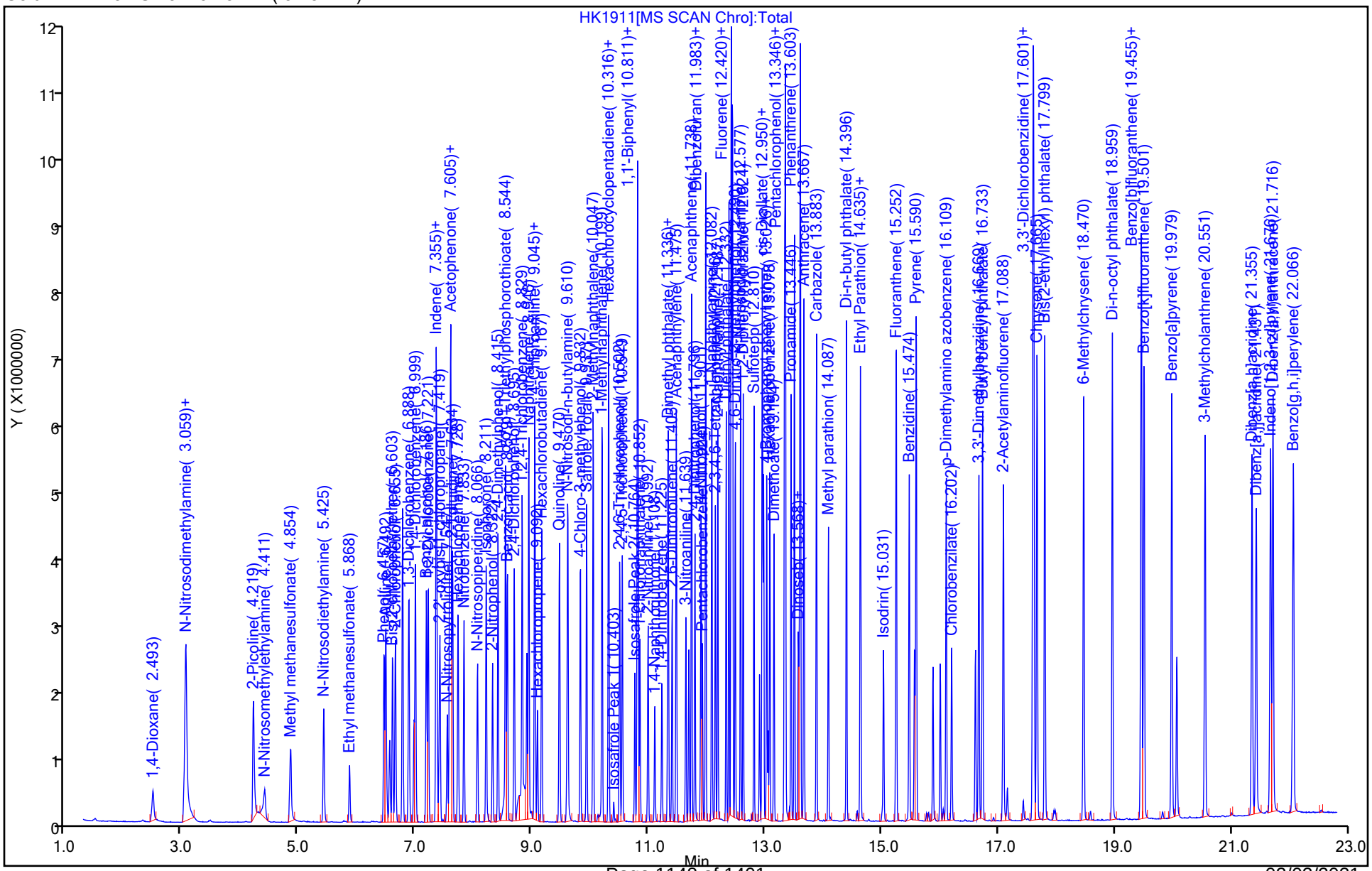
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Eurofins Lancaster Laboratories Env, LLC

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Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

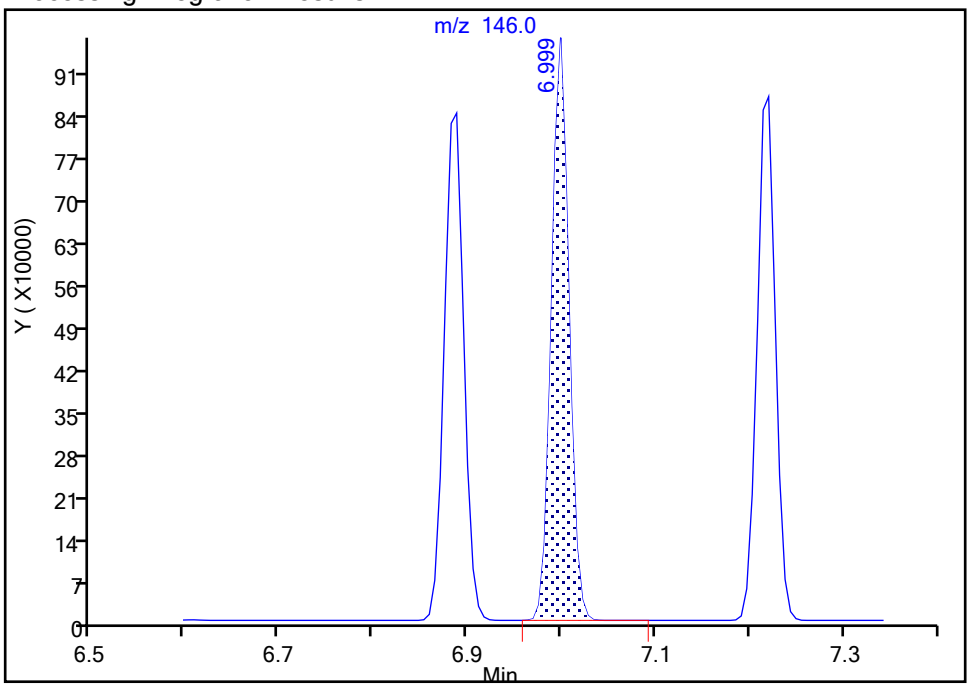
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Lims ID:	ICV FULL				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

22 1,3-Dichlorobenzene, CAS: 541-73-1

Signal: 1

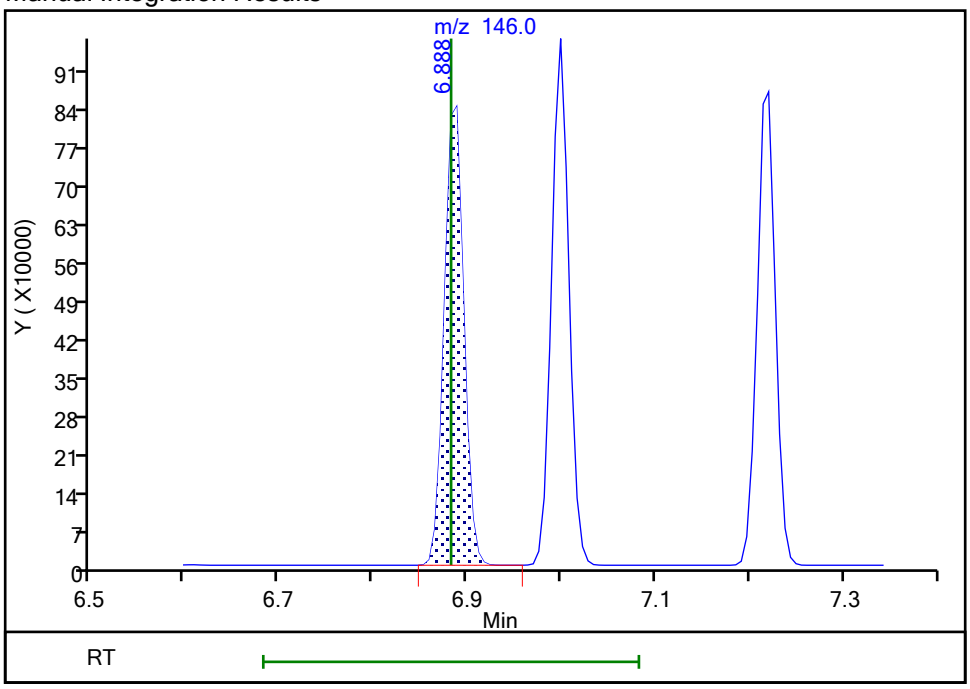
Processing Integration Results

RT: 7.00
Area: 1241633
Amount: 12.640836
Amount Units: ug/ml



Manual Integration Results

RT: 6.89
Area: 1212674
Amount: 12.346010
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:59:49

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

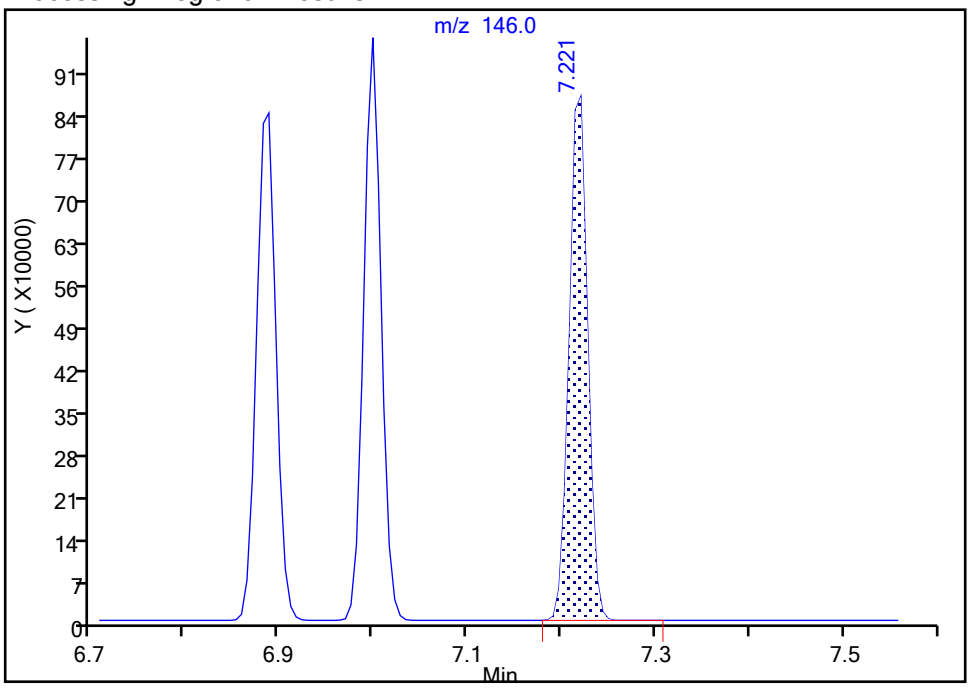
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Lims ID:	ICV FULL				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

24 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

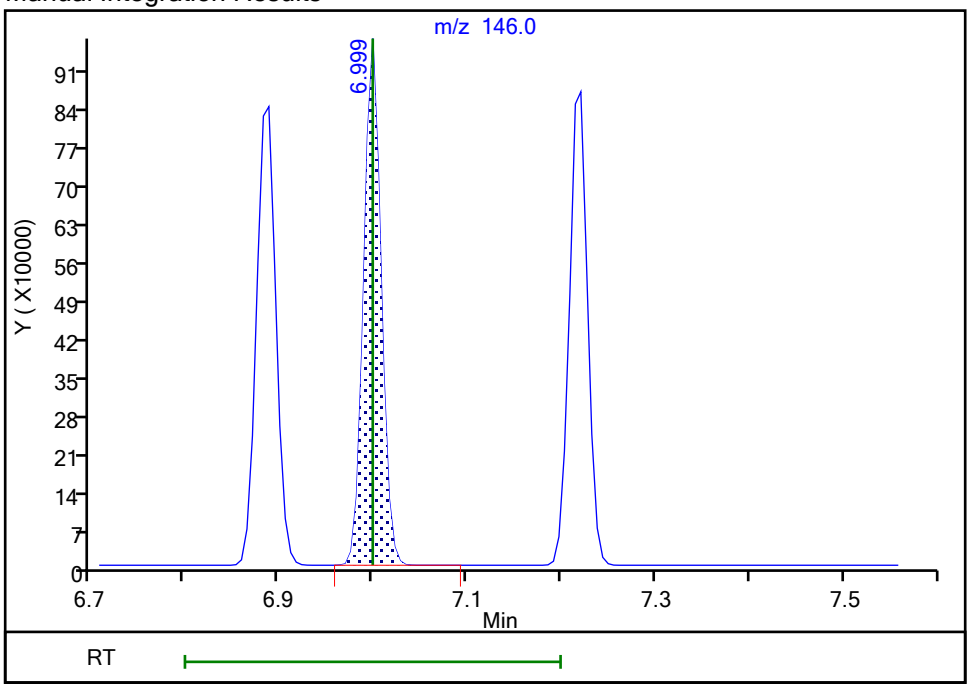
Processing Integration Results

RT: 7.22
Area: 1177583
Amount: 11.873560
Amount Units: ug/ml



Manual Integration Results

RT: 7.00
Area: 1241633
Amount: 12.519376
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:28:27

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

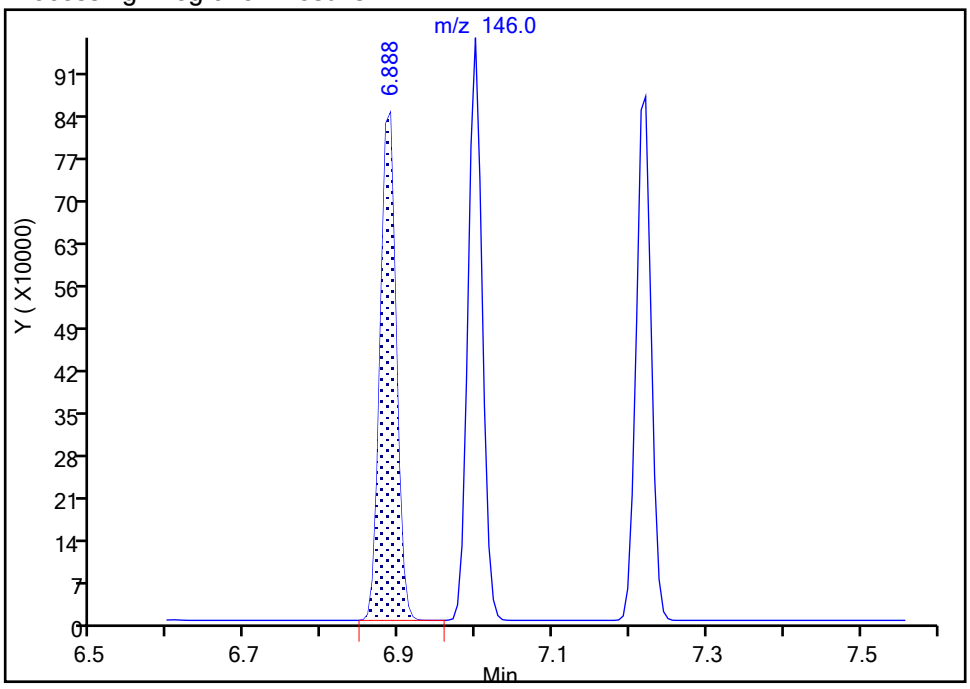
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Injection Date:	25-Nov-2020 03:46:30	Instrument ID:	HP18831		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

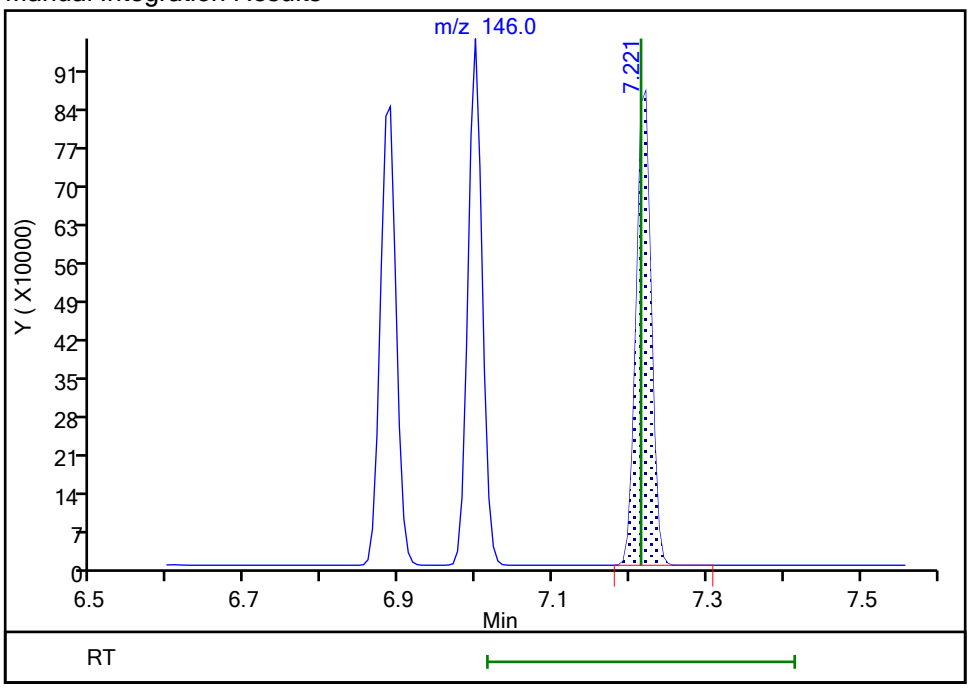
Processing Integration Results

RT: 6.89
Area: 1212674
Amount: 12.227382
Amount Units: ug/ml



Manual Integration Results

RT: 7.22
Area: 1177583
Amount: 12.523777
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 09:28:31

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

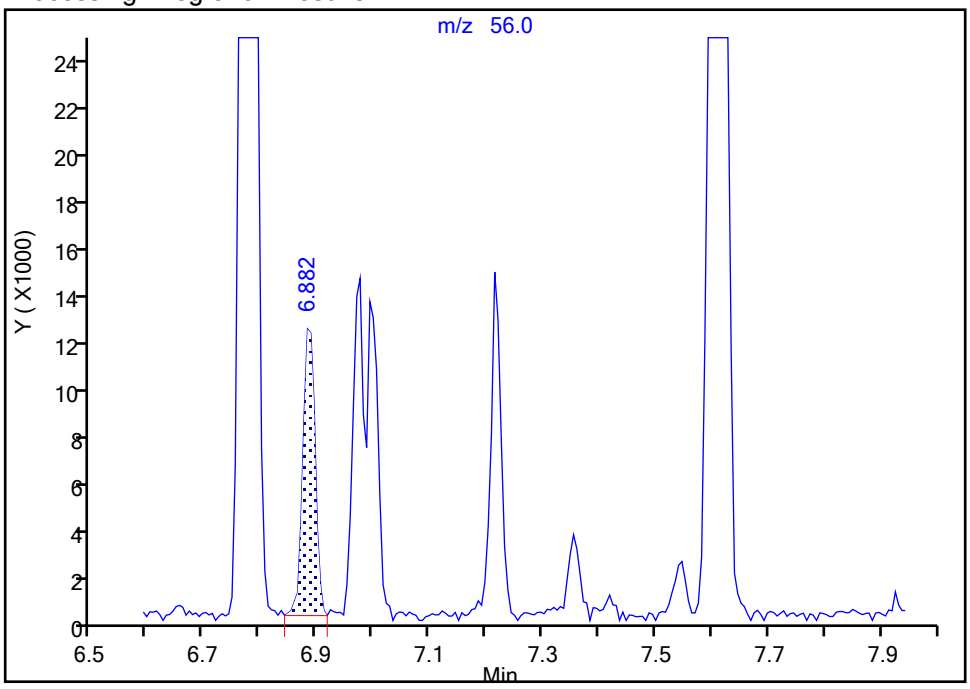
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Lims ID:	ICV FULL		
Client ID:			
Operator ID:	sw30417	ALS Bottle#:	11 Worklist Smp#: 12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

37 N-Nitrosomorpholine, CAS: 59-89-2

Signal: 1

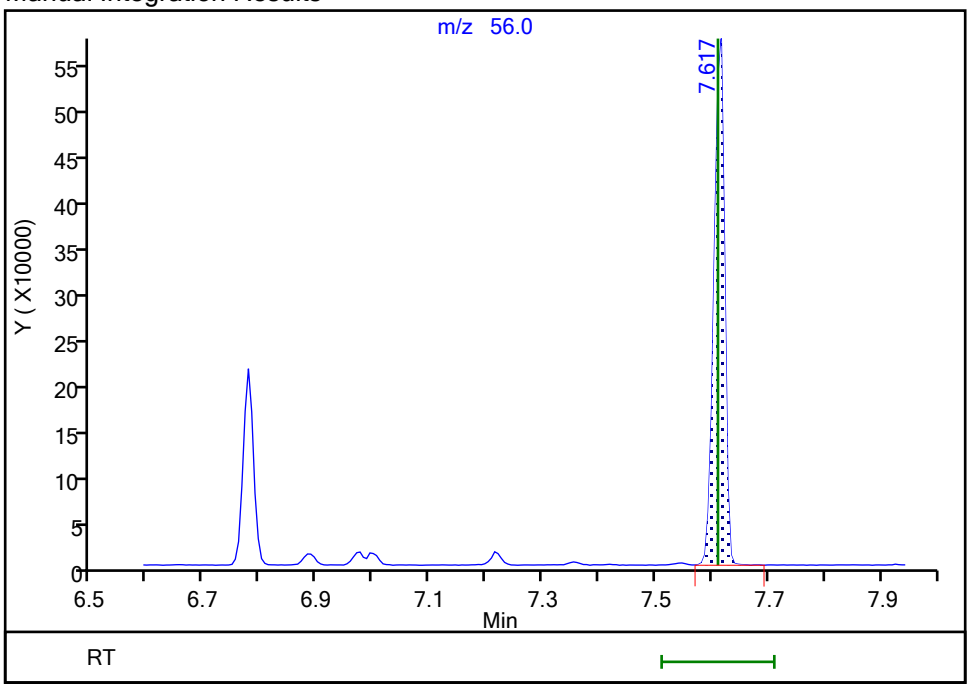
Processing Integration Results

RT: 6.88
Area: 18434
Amount: 0.299498
Amount Units: ug/ml



Manual Integration Results

RT: 7.62
Area: 757137
Amount: 12.301256
Amount Units: ug/ml



Reviewer: monbornee, 25-Nov-2020 08:39:50

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82729/2 Calibration Date: 01/06/2021 22:29

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0251.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5187	0.4789		6.92	7.50	-7.7	20.0
N-Nitrosodimethylamine	Ave	0.8005	0.7795		7.30	7.50	-2.6	20.0
Pyridine	Ave	1.427	1.225		12.9	15.0	-14.2	20.0
2-Picoline	Ave	1.493	1.445		7.26	7.50	-3.2	20.0
N-Nitrosomethylethylamine	Ave	0.6140	0.5995		7.32	7.50	-2.4	20.0
Methyl methanesulfonate	Ave	0.5975	0.7372		9.25	7.50	23.4*	20.0
N-Nitrosodiethylamine	Ave	0.6261	0.6390		7.65	7.50	2.0	20.0
Ethyl methanesulfonate	Ave	0.6891	0.6591		7.17	7.50	-4.4	20.0
Benzaldehyde	Ave	1.062	0.999	0.0100	11.8	12.5	-5.9	20.0
Aniline	Ave	2.093	1.969		7.05	7.50	-6.0	20.0
Phenol	Ave	1.781	1.707	0.8000	7.19	7.50	-4.2	20.0
Bis(2-chloroethyl)ether	Ave	1.361	1.291	0.7000	7.11	7.50	-5.2	20.0
2-Chlorophenol	Ave	1.396	1.400	0.8000	7.53	7.50	0.3	20.0
1,3-Dichlorobenzene	Ave	1.578	1.628		7.74	7.50	3.2	20.0
1,4-Dichlorobenzene	Ave	1.593	1.618		7.62	7.50	1.6	20.0
Benzyl alcohol	Ave	0.8726	0.8554		7.35	7.50	-2.0	20.0
1,2-Dichlorobenzene	Ave	1.510	1.570		7.80	7.50	3.9	20.0
Indene	Ave	1.952	2.483		15.9	12.5	27.2*	20.0
2-Methylphenol	Ave	1.218	1.206	0.7000	7.43	7.50	-1.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.407	2.090	0.0100	6.51	7.50	-13.2	20.0
N-Nitrosopyrrolidine	Ave	0.6551	0.6844		7.84	7.50	4.5	20.0
Acetophenone	Ave	1.926	1.818	0.0100	7.08	7.50	-5.6	20.0
N-Nitrosodi-n-propylamine	Ave	0.9538	0.9107	0.5000	7.16	7.50	-4.5	20.0
N-Nitrosomorpholine	Ave	0.9887	0.9181		6.96	7.50	-7.1	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.289	1.376	0.6000	8.01	7.50	6.8	20.0
o-Toluidine	Ave	2.095	2.091		7.49	7.50	-0.2	20.0
Hexachloroethane	Ave	0.6312	0.6299	0.3000	7.48	7.50	-0.2	20.0
Nitrobenzene	Ave	0.3766	0.3612	0.2000	7.19	7.50	-4.1	20.0
N-Nitrosopiperidine	Ave	0.1782	0.1768		7.44	7.50	-0.8	20.0
Isophorone	Ave	0.6415	0.6408	0.4000	7.49	7.50	-0.1	20.0
2-Nitrophenol	Ave	0.1954	0.1993	0.1000	7.65	7.50	2.0	20.0
2,4-Dimethylphenol	Ave	0.3505	0.3500	0.2000	7.49	7.50	-0.1	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1892	0.1875		7.43	7.50	-0.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.4322	0.3941	0.3000	6.84	7.50	-8.8	20.0
2,4-Dichlorophenol	Ave	0.3128	0.3149	0.2000	7.55	7.50	0.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3513		7.82	7.50	4.3	20.0
Naphthalene	Ave	1.097	1.080	0.7000	7.38	7.50	-1.6	20.0
4-Chloroaniline	Ave	0.4171	0.4448	0.0100	8.00	7.50	6.6	20.0
2,6-Dichlorophenol	Ave	0.2976	0.3084		7.77	7.50	3.6	20.0
Hexachloropropene	Ave	0.1997	0.2538		9.53	7.50	27.1*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82729/2 Calibration Date: 01/06/2021 22:29

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0251.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.2010	0.2093	0.0100	7.81	7.50	4.1	20.0
Quinoline	Ave	0.6758	0.6853		7.60	7.50	1.4	20.0
Caprolactam	Ave	0.1105	0.1068	0.0100	12.1	12.5	-3.3	20.0
N-Nitrosodi-n-butylamine	Ave	0.2490	0.2246		6.76	7.50	-9.8	20.0
4-Chloro-3-methylphenol	Ave	0.2965	0.2921	0.2000	7.39	7.50	-1.5	20.0
Safrole, Total	Ave	0.2826	0.2830		7.51	7.50	0.2	20.0
2-Methylnaphthalene	Ave	0.7204	0.7404	0.4000	7.71	7.50	2.8	20.0
1-Methylnaphthalene	Ave	0.6795	0.6815		7.52	7.50	0.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6771	0.6984	0.0100	7.74	7.50	3.1	20.0
Hexachlorocyclopentadiene	Ave	0.4094	0.5136	0.0500	9.41	7.50	25.5*	20.0
Isosafrole Peak 1	Ave	0.6415	0.6271		1.17	1.20	-2.2	20.0
2,4,6-Trichlorophenol	Ave	0.4470	0.4533	0.2000	7.61	7.50	1.4	20.0
2,4,5-Trichlorophenol	Ave	0.4775	0.4759	0.2000	7.47	7.50	-0.3	20.0
Isosafrole Peak 2	Ave	0.6840	0.6977		6.43	6.30	2.0	20.0
1,1'-Biphenyl	Ave	1.890	1.812	0.0100	7.19	7.50	-4.1	20.0
2-Chloronaphthalene	Ave	1.399	1.383	0.8000	7.41	7.50	-1.2	20.0
1-Chloronaphthalene	Ave	1.271	1.285		7.59	7.50	1.1	20.0
Diphenyl ether	Ave	0.9707	0.9519		7.36	7.50	-1.9	20.0
2-Nitroaniline	Ave	0.4482	0.4581	0.0100	7.67	7.50	2.2	20.0
1,4-Naphthoquinone	Ave	0.5821	0.5419		6.98	7.50	-6.9	20.0
1,4-Dinitrobenzene	Ave	0.2403	0.2441		7.62	7.50	1.6	20.0
Dimethyl phthalate	Ave	1.550	1.535	0.0100	7.43	7.50	-1.0	20.0
1,3-Dinitrobenzene	Ave	0.2661	0.2761		7.78	7.50	3.8	20.0
2,6-Dinitrotoluene	Ave	0.3553	0.3643	0.2000	7.69	7.50	2.5	20.0
Acenaphthylene	Ave	1.937	2.210	0.9000	8.56	7.50	14.1	20.0
3-Nitroaniline	Ave	0.3701	0.3834	0.0100	7.77	7.50	3.6	20.0
Acenaphthene	Ave	1.443	1.407	0.9000	7.31	7.50	-2.5	20.0
2,4-Dinitrophenol	Ave	0.2279	0.1939	0.0100	14.9	17.5	-14.9	20.0
Pentachlorobenzene	Ave	0.6061	0.6389		7.91	7.50	5.4	20.0
4-Nitrophenol	Ave	0.2233	0.2135	0.0100	14.3	15.0	-4.4	20.0
Dibenzofuran	Ave	1.981	2.026	0.8000	7.67	7.50	2.3	20.0
2,4-Dinitrotoluene	Ave	0.4754	0.4849	0.2000	7.65	7.50	2.0	20.0
1-Naphthylamine	Ave	1.421	1.389		7.33	7.50	-2.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3616	0.3996	0.0100	8.29	7.50	10.5	20.0
2-Naphthylamine	Ave	1.374	1.331		7.26	7.50	-3.1	20.0
Diethyl phthalate	Ave	1.552	1.501	0.0100	7.25	7.50	-3.3	20.0
Fluorene	Ave	1.566	1.612	0.9000	7.72	7.50	2.9	20.0
Thionazin	Ave	0.2692	0.2557		7.12	7.50	-5.0	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7547	0.7819	0.4000	7.77	7.50	3.6	20.0
5-Nitro-o-toluidine	Ave	0.4256	0.4461		7.86	7.50	4.8	20.0
4-Nitroaniline	Ave	0.3959	0.4021	0.0100	7.62	7.50	1.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82729/2 Calibration Date: 01/06/2021 22:29

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0251.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,6-Dinitro-2-methylphenol	Ave	0.1486	0.1307	0.0100	13.2	15.0	-12.1	20.0
N-Nitrosodiphenylamine	Ave	0.6682	0.6805	0.0100	6.49	6.38	1.8	20.0
1,2-Diphenylhydrazine	Ave	0.7423	0.7153		7.23	7.50	-3.6	20.0
Sulfotepp	Ave	0.1268	0.1191		7.04	7.50	-6.1	20.0
cis-Diallate	Ave	0.3266	0.3074		5.22	5.55	-5.9	20.0
Phorate	Ave	0.4436	0.4206		7.11	7.50	-5.2	20.0
Phenacetin	Ave	0.3680	0.3766		7.68	7.50	2.3	20.0
4-Bromophenyl-phenylether	Ave	0.2267	0.2299	0.1000	7.61	7.50	1.4	20.0
trans-Diallate	Ave	0.3265	0.2920		1.74	1.95	-10.6	20.0
Hexachlorobenzene	Ave	0.2608	0.2635	0.1000	7.58	7.50	1.0	20.0
Dimethoate	Ave	0.3033	0.2937		7.26	7.50	-3.2	20.0
Atrazine	Ave	0.2299	0.2267	0.0100	12.3	12.5	-1.4	20.0
Pentachlorophenol	Ave	0.1743	0.1498	0.0500	12.9	15.0	-14.1	20.0
4-Aminobiphenyl	Ave	0.5068	0.9164		13.6	7.50	80.8*	20.0
Pentachloronitrobenzene	Ave	0.1027	0.1113		8.13	7.50	8.4	20.0
Pronamide	Ave	0.3628	0.3756		7.76	7.50	3.5	20.0
Dinoseb	Ave	0.2144	0.2060		7.21	7.50	-3.9	20.0
Phenanthrene	Ave	1.163	1.172	0.7000	7.56	7.50	0.8	20.0
Anthracene	Ave	1.170	1.204	0.7000	7.71	7.50	2.9	20.0
Carbazole	Ave	1.105	1.099	0.0100	7.46	7.50	-0.5	20.0
Methyl parathion	Ave	0.2555	0.2640		7.75	7.50	3.3	20.0
Di-n-butyl phthalate	Ave	1.440	1.384	0.0100	7.21	7.50	-3.9	20.0
4-Nitroquinoline-1-oxide	Ave	0.1436	0.1086		5.68	7.50	-24.3*	20.0
Parathion	Ave	0.1592	0.1642		7.74	7.50	3.2	20.0
Octachlorostyrene	Ave	0.1130	0.1076		7.15	7.50	-4.7	20.0
Isodrin	Ave	0.1432	0.1437		7.53	7.50	0.4	20.0
Fluoranthene	Ave	1.344	1.342	0.6000	7.49	7.50	-0.1	20.0
Benzidine	Ave	0.8997	0.8450		21.1	22.5	-6.1	20.0
Pyrene	Ave	1.383	1.339	0.6000	7.26	7.50	-3.1	20.0
p-Dimethylamino azobenzene	Ave	0.2301	0.2521		8.21	7.50	9.5	20.0
Chlorobenzilate	Ave	0.4007	0.4004		7.49	7.50	-0.0	20.0
3,3'-Dimethylbenzidine	Ave	0.8987	0.7234			7.50	-19.5	20.0
Butylbenzylphthalate	Ave	0.6263	0.5907	0.0100	7.07	7.50	-5.7	20.0
2-Acetylaminofluorene	Ave	0.5125	0.4998		7.31	7.50	-2.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4871	0.4740	0.0100	7.30	7.50	-2.7	20.0
Benzo[a]anthracene	Ave	1.177	1.176	0.8000	7.49	7.50	-0.1	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2505	0.2592			7.50	3.5	20.0
Chrysene	Ave	1.190	1.209	0.7000	7.62	7.50	1.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8973	0.8389	0.0100	7.01	7.50	-6.5	20.0
6-Methylchrysene	Ave	0.8960	0.8575		7.18	7.50	-4.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82729/2 Calibration Date: 01/06/2021 22:29

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0251.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.512	1.391	0.0100	6.90	7.50	-8.0	20.0
Benzo[b]fluoranthene	Ave	1.242	1.251	0.7000	7.56	7.50	0.7	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5636	0.5796		7.71	7.50	2.9	20.0
Benzo[k]fluoranthene	Ave	1.193	1.279	0.7000	8.04	7.50	7.2	20.0
Benzo[a]pyrene	Ave	1.138	1.075	0.7000	7.08	7.50	-5.5	20.0
3-Methylcholanthrene	Ave	0.5870	0.6406		8.18	7.50	9.1	20.0
Dibenz[a,h]acridine	Ave	0.9467	0.9558		7.57	7.50	1.0	20.0
Dibenz[a,j]acridine	Ave	0.9918	1.052		7.96	7.50	6.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.105	1.118	0.5000	7.59	7.50	1.2	20.0
Dibenz(a,h)anthracene	Ave	1.151	1.199	0.4000	7.81	7.50	4.2	20.0
Benzo[g,h,i]perylene	Ave	1.170	1.237	0.5000	7.93	7.50	5.7	20.0
2-Fluorophenol (Surr)	Ave	1.301	1.248		14.4	15.0	-4.1	20.0
Phenol-d5 (Surr)	Ave	1.529	1.521		14.9	15.0	-0.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3700	0.3538		14.3	15.0	-4.4	20.0
2-Fluorobiphenyl (Surr)	Ave	1.648	1.610		14.7	15.0	-2.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2499	0.2556		15.3	15.0	2.3	20.0
p-Terphenyl-d14 (Surr)	Ave	1.002	0.9398		14.1	15.0	-6.2	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0251.D
Lims ID: CCVIS L5
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Jan-2021 22:29:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0019389-002
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub17

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: williamss Date: 06-Jan-2021 23:07:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.986	1.986	0.000	97	166977	7.50	6.92	
2 N-Nitrosodimethylamine	74	2.575	2.575	0.000	96	271792	7.50	7.30	
3 Pyridine	79	2.598	2.598	0.000	87	854038	15.0	12.9	
5 2-Picoline	93	3.816	3.816	0.000	92	503736	7.50	7.26	
4 Dimethylformamide	73	3.846	3.846	0.000	29	951	NC	NC	
6 N-Nitrosomethylethylamine	88	4.026	4.026	0.000	97	209037	7.50	7.32	
9 Methyl methanesulfonate	80	4.487	4.487	0.000	87	257062	7.50	9.25	
$ 10 2-Fluorophenol	112	4.737	4.737	0.000	93	870646	15.0	14.4	
11 N-Nitrosodiethylamine	102	5.058	5.058	0.000	96	222796	7.50	7.65	
13 Ethyl methanesulfonate	109	5.524	5.524	0.000	97	229814	7.50	7.17	
15 Benzaldehyde	77	5.979	5.979	0.000	92	580680	12.5	11.8	
$ 16 Phenol-d5	99	6.125	6.125	0.000	97	1060772	15.0	14.9	
18 Aniline	93	6.142	6.142	0.000	85	686486	7.50	7.05	
17 Phenol	94	6.142	6.142	0.000	86	595274	7.50	7.19	
19 Bis(2-chloroethyl)ether	93	6.264	6.264	0.000	95	450023	7.50	7.11	
20 2-Chlorophenol	128	6.305	6.305	0.000	95	488322	7.50	7.53	
22 1,3-Dichlorobenzene	146	6.533	6.533	0.000	99	567738	7.50	7.74	
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	94	232453	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.643	6.643	0.000	95	564321	7.50	7.62	
26 Benzyl alcohol	108	6.847	6.847	0.000	94	298247	7.50	7.35	
27 1,2-Dichlorobenzene	146	6.865	6.865	0.000	98	547380	7.50	7.80	
28 Indene	115	6.999	6.999	0.000	89	1442691	12.5	15.9	
30 2-Methylphenol	108	7.040	7.040	0.000	92	420450	7.50	7.43	
32 2,2'-oxybis[1-chloropropane]	45	7.069	7.069	0.000	93	728767	7.50	6.51	
33 N-Nitrosopyrrolidine	100	7.203	7.203	0.000	90	238636	7.50	7.84	
34 Acetophenone	105	7.238	7.238	0.000	96	633970	7.50	7.08	
35 N-Nitrosodi-n-propylamine	70	7.267	7.267	0.000	89	317538	7.50	7.16	
37 N-Nitrosomorpholine	56	7.273	7.273	0.000	92	320110	7.50	6.96	
36 4-Methylphenol	108	7.279	7.279	0.000	91	479818	7.50	8.01	
38 2-Toluidine	106	7.290	7.290	0.000	96	729178	7.50	7.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	7.372	7.372	0.000	95	219627	7.50	7.48	
$ 41 Nitrobenzene-d5	82	7.459	7.459	0.000	90	923509	15.0	14.3	
42 Nitrobenzene	77	7.483	7.483	0.000	88	471407	7.50	7.19	
43 N-Nitrosopiperidine	114	7.716	7.716	0.000	82	230727	7.50	7.44	
45 Isophorone	82	7.867	7.867	0.000	96	836233	7.50	7.49	
46 2-Nitrophenol	139	7.978	7.978	0.000	88	260024	7.50	7.65	
48 2,4-Dimethylphenol	107	8.089	8.089	0.000	93	456778	7.50	7.49	
49 o,o',o''-Triethylphosphorothioat	198	8.211	8.211	0.000	80	244707	7.50	7.43	
51 Bis(2-chloroethoxy)methane	93	8.240	8.240	0.000	98	514290	7.50	6.84	
52 2,4-Dichlorophenol	162	8.357	8.357	0.000	92	410924	7.50	7.55	
53 1,2,4-Trichlorobenzene	180	8.479	8.479	0.000	94	458436	7.50	7.82	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	870007	5.00	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1409537	7.50	7.38	
29 Alpha-Terpineol	59	8.648	8.648	0.000	95	422655	NC	NC	
57 4-Chloroaniline	127	8.701	8.701	0.000	96	580470	7.50	8.00	
58 2,6-Dichlorophenol	162	8.712	8.712	0.000	98	402462	7.50	7.77	
39 p-Phenylene diamine	108	8.736	8.736	0.000	50	42016	NC	NC	
59 Hexachloropropene	213	8.742	8.742	0.000	87	331269	7.50	9.53	
60 Hexachlorobutadiene	225	8.817	8.817	0.000	95	273179	7.50	7.81	
62 Quinoline	129	9.115	9.115	0.000	97	894288	7.50	7.60	
63 Caprolactam	113	9.237	9.237	0.000	77	232379	12.5	12.1	
64 N-Nitrosodi-n-butylamine	84	9.272	9.272	0.000	93	293107	7.50	6.76	
66 4-Chloro-3-methylphenol	107	9.517	9.517	0.000	95	381247	7.50	7.39	
67 Safrole, Total	162	9.593	9.593	0.000	93	369370	7.50	7.51	
S 65 Diallate	86				0		7.50	6.97	
68 2-Methylnaphthalene	142	9.692	9.692	0.000	92	966282	7.50	7.71	
69 1-Methylnaphthalene	142	9.843	9.843	0.000	93	889379	7.50	7.52	
71 Hexachlorocyclopentadiene	237	9.960	9.960	0.000	96	337427	7.50	9.41	
72 1,2,4,5-Tetrachlorobenzene	216	9.960	9.960	0.000	96	458854	7.50	7.74	
73 Isosafrole Peak 1	162	10.059	10.059	0.000	92	65923	1.20	1.17	
74 2,4,6-Trichlorophenol	196	10.164	10.164	0.000	92	297821	7.50	7.61	
75 2,4,5-Trichlorophenol	196	10.216	10.216	0.000	95	312689	7.50	7.47	
$ 76 2-Fluorobiphenyl (Surr)	172	10.309	10.309	0.000	100	2115726	15.0	14.7	
77 Isosafrole Peak 2	162	10.420	10.420	0.000	94	385060	6.30	6.43	
78 1,1'-Biphenyl	154	10.455	10.455	0.000	95	1190730	7.50	7.19	
79 2-Chloronaphthalene	162	10.461	10.461	0.000	98	908444	7.50	7.41	
80 1-Chloronaphthalene	162	10.490	10.490	0.000	98	844430	7.50	7.59	
81 Phenyl ether	170	10.636	10.636	0.000	86	625403	7.50	7.36	
82 2-Nitroaniline	138	10.648	10.648	0.000	87	300987	7.50	7.67	
84 1,4-Naphthoquinone	158	10.758	10.758	0.000	93	356038	7.50	6.98	
85 1,4-Dinitrobenzene	168	10.887	10.887	0.000	95	160361	7.50	7.62	
86 Dimethyl phthalate	163	10.986	10.986	0.000	98	1008216	7.50	7.43	
87 1,3-Dinitrobenzene	168	10.997	10.997	0.000	88	181413	7.50	7.78	
88 2,6-Dinitrotoluene	165	11.061	11.061	0.000	94	239331	7.50	7.69	
89 Acenaphthylene	152	11.120	11.120	0.000	98	1451915	7.50	8.56	
90 3-Nitroaniline	138	11.312	11.312	0.000	92	251917	7.50	7.77	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	437995	5.00	5.00	
93 Acenaphthene	153	11.399	11.399	0.000	94	924197	7.50	7.31	
94 2,4-Dinitrophenol	184	11.481	11.481	0.000	87	297234	17.5	14.9	
96 Pentachlorobenzene	250	11.603	11.603	0.000	98	419752	7.50	7.91	
95 4-Nitrophenol	109	11.621	11.621	0.000	80	280589	15.0	14.3	
97 Dibenzofuran	168	11.662	11.662	0.000	96	1331014	7.50	7.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,4-Dinitrotoluene	165	11.679	11.679	0.000	93	318556	7.50	7.65	
99 1-Naphthylamine	143	11.778	11.778	0.000	98	912357	7.50	7.33	
101 2,3,4,6-Tetrachlorophenol	232	11.854	11.854	0.000	72	262511	7.50	8.29	
103 2-Naphthylamine	143	11.889	11.889	0.000	97	874275	7.50	7.26	
104 Diethyl phthalate	149	12.052	12.052	0.000	99	986054	7.50	7.25	
105 Fluorene	166	12.128	12.128	0.000	95	1059253	7.50	7.72	
106 Thionazin	107	12.146	12.146	0.000	81	168006	7.50	7.12	
108 4-Chlorophenyl phenyl ether	204	12.157	12.157	0.000	91	513687	7.50	7.77	
107 N-Nitro-o-toluidine	152	12.157	12.157	0.000	86	293113	7.50	7.86	
109 4-Nitroaniline	138	12.169	12.169	0.000	87	264178	7.50	7.62	
110 4,6-Dinitro-2-methylphenol	198	12.215	12.215	0.000	86	334946	15.0	13.2	
111 N-Nitrosodiphenylamine	169	12.303	12.303	0.000	61	741346	6.38	6.49	
112 1,2-Diphenylhydrazine	77	12.344	12.344	0.000	41	916867	7.50	7.23	
$ 113 2,4,6-Tribromophenol	330	12.419	12.419	0.000	93	335802	15.0	15.3	
114 Sulfotepp	97	12.530	12.530	0.000	82	152665	7.50	7.04	
172 1,3,5-Trinitrobenzene	213	12.641	12.641	0.000	86	128132	NC	NC	
115 cis-Diallate	86	12.658	12.658	0.000	91	291600	5.55	5.22	
116 Phorate	75	12.664	12.664	0.000	95	539092	7.50	7.11	
117 Phenacetin	108	12.693	12.693	0.000	96	482712	7.50	7.68	
118 4-Bromophenyl phenyl ether	248	12.734	12.734	0.000	63	294632	7.50	7.61	
119 trans-Diallate	86	12.763	12.763	0.000	91	97317	1.95	1.74	
120 Hexachlorobenzene	284	12.781	12.781	0.000	95	337748	7.50	7.58	
121 Dimethoate	87	12.857	12.857	0.000	95	376491	7.50	7.26	
122 Atrazine	200	12.967	12.967	0.000	94	484309	12.5	12.3	
123 Pentachlorophenol	266	13.031	13.031	0.000	94	383920	15.0	12.9	
124 Pentachloronitrobenzene	237	13.043	13.043	0.000	88	142665	7.50	8.13	
125 4-Aminobiphenyl	169	13.043	13.043	0.000	90	1174521	7.50	13.6	
126 Pronamide	173	13.148	13.148	0.000	90	481409	7.50	7.76	
* 127 Phenanthrene-d10	188	13.253	13.253	0.000	97	854488	5.00	5.00	
129 Phenanthrene	178	13.282	13.282	0.000	96	1502525	7.50	7.56	
128 Dinoseb	211	13.282	13.282	0.000	67	264021	7.50	7.21	
70 Disulfoton	88	13.300	13.300	0.000	97	570379	NC	NC	
130 Anthracene	178	13.346	13.346	0.000	97	1542671	7.50	7.71	
131 Carbazole	167	13.562	13.562	0.000	95	1408967	7.50	7.46	
132 Methyl parathion	109	13.760	13.760	0.000	94	338410	7.50	7.75	
133 Di-n-butyl phthalate	149	14.069	14.069	0.000	100	1773324	7.50	7.21	
134 Ethyl Parathion	109	14.296	14.296	0.000	85	210480	7.50	7.74	
135 4-Nitroquinoline-1-oxide	190	14.296	14.296	0.000	81	139260	7.50	5.68	
136 Octachlorostyrene	308	14.623	14.623	0.000	93	137934	7.50	7.15	
137 Isodrin	193	14.663	14.663	0.000	95	184193	7.50	7.53	
138 Fluoranthene	202	14.879	14.879	0.000	97	1720509	7.50	7.49	
139 Benzidine	184	15.112	15.112	0.000	99	3374389	22.5	21.1	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	100	887431	5.00	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	1782625	7.50	7.26	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	99	2502135	15.0	14.1	
143 p-Dimethylamino azobenzene	225	15.724	15.724	0.000	93	335518	7.50	8.21	
100 Famphur	218	15.823	15.823	0.000	49	3555	NC	NC	
144 Chlorobenzilate	139	15.823	15.823	0.000	92	532982	7.50	7.49	
145 3,3'-Dimethylbenzidine	212	16.278	16.278	0.000	99	962975	7.50	6.04	
146 Butyl benzyl phthalate	149	16.342	16.342	0.000	96	786368	7.50	7.07	
147 2-Acetylaminofluorene	181	16.692	16.692	0.000	94	665269	7.50	7.31	
148 Benzo[a]anthracene	228	17.187	17.187	0.000	98	1565243	7.50	7.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 3,3'-Dichlorobenzidine	252	17.187	17.187	0.000	73	631027	7.50	7.30	
150 4,4'-Methylene bis(2-chloroanil	231	17.211	17.211	0.000	93	345076	7.50	7.76	
151 Chrysene	228	17.246	17.246	0.000	97	1610008	7.50	7.62	
152 Bis(2-ethylhexyl) phthalate	149	17.403	17.403	0.000	96	1116763	7.50	7.01	
153 6-Methylchrysene	242	18.038	18.038	0.000	99	1141435	7.50	7.18	
154 Di-n-octyl phthalate	149	18.551	18.551	0.000	99	1877205	7.50	6.90	
155 Benzo[b]fluoranthene	252	19.017	19.017	0.000	97	1688110	7.50	7.56	
156 7,12-Dimethylbenz(a)anthracene	256	19.023	19.023	0.000	93	782181	7.50	7.71	
157 Benzo[k]fluoranthene	252	19.064	19.064	0.000	99	1726556	7.50	8.04	
158 Benzo[a]pyrene	252	19.536	19.536	0.000	77	1450507	7.50	7.08	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	899631	5.00	5.00	
160 3-Methylcholanthrene	268	20.113	20.113	0.000	92	864405	7.50	8.18	
161 Dibenz[a,h]acridine	279	20.912	20.912	0.000	91	1289845	7.50	7.57	
162 Dibenz[a,j]acridine	279	20.988	20.988	0.000	96	1419766	7.50	7.96	
163 Indeno[1,2,3-cd]pyrene	276	21.221	21.221	0.000	99	1508864	7.50	7.59	M
164 Dibenz(a,h)anthracene	278	21.261	21.261	0.000	93	1617635	7.50	7.81	
165 Benzo[g,h,i]perylene	276	21.582	21.582	0.000	98	1669225	7.50	7.93	
S 166 Isosafrole	162				0		7.50	7.60	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_5_00014 Amount Added: 1.00 Units: mL

Report Date: 07-Jan-2021 09:01:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0251.D

Injection Date: 06-Jan-2021 22:29:30 Instrument ID: HP18831 Operator ID: sw30417

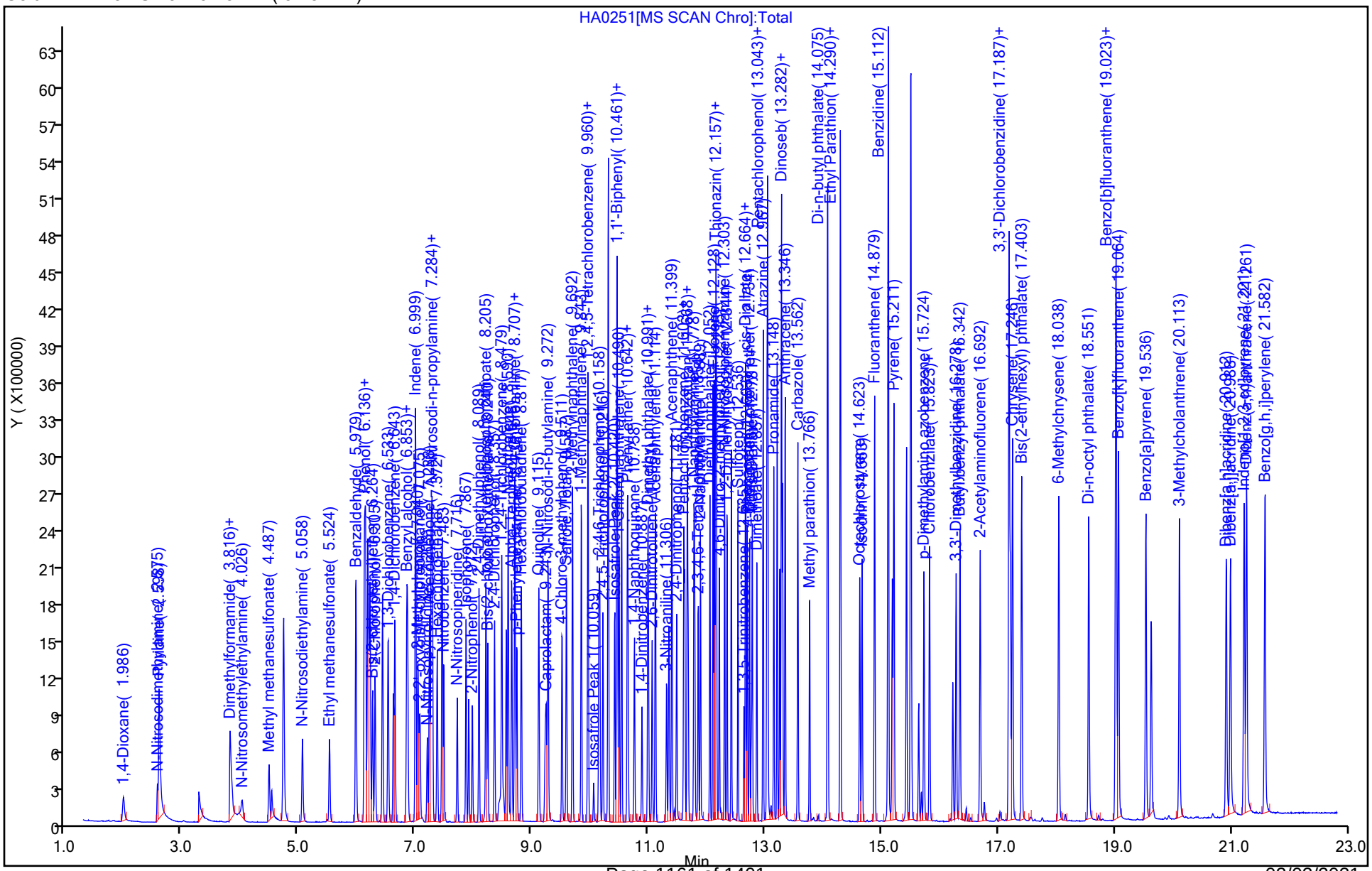
Lims ID: CCVIS L5 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

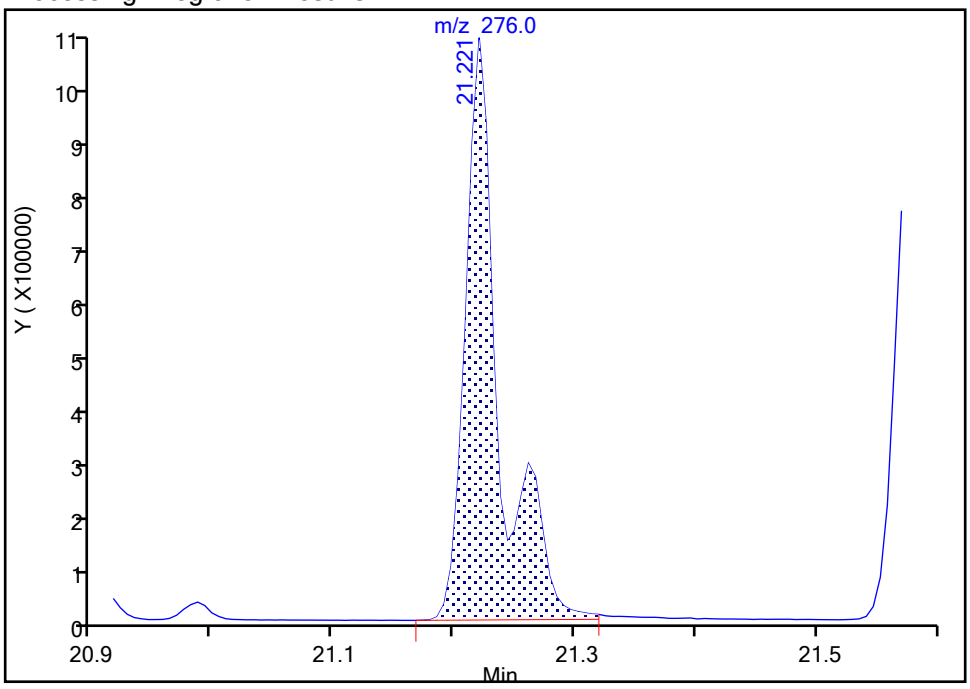
Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0251.D				
Injection Date:	06-Jan-2021 22:29:30	Instrument ID:	HP18831		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

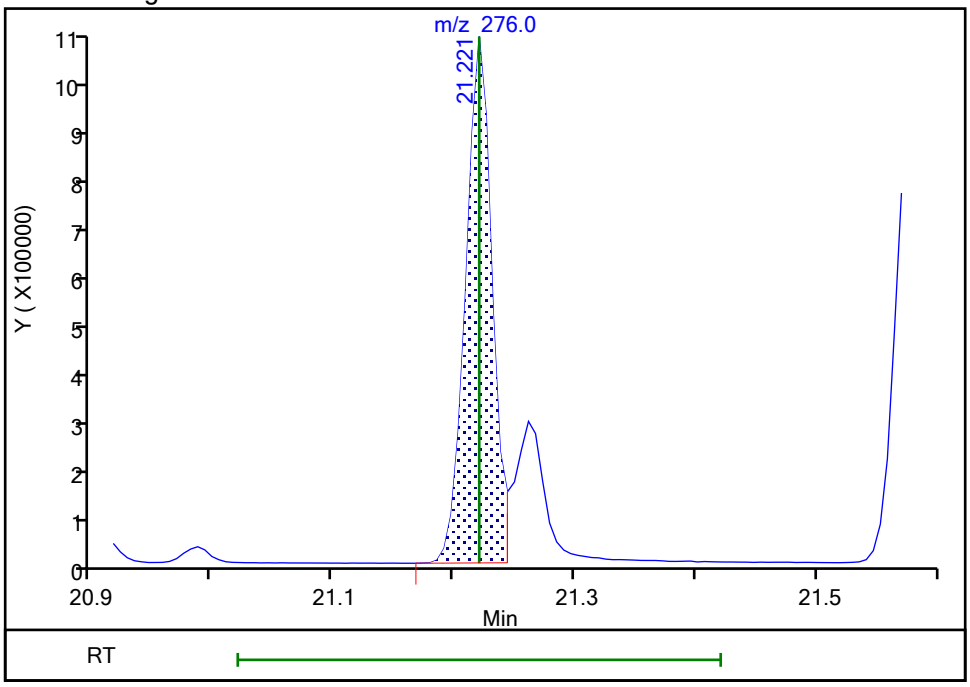
Processing Integration Results

RT: 21.22
Area: 1964289
Amount: 9.881949
Amount Units: ug/ml



Manual Integration Results

RT: 21.22
Area: 1508864
Amount: 7.590796
Amount Units: ug/ml



Reviewer: williamss, 06-Jan-2021 23:02:18

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82729/2 Calibration Date: 01/06/2021 22:29

Instrument ID: HP18831 Calib Start Date: 12/14/2020 22:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/15/2020 01:16

Lab File ID: HA0251.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
a-Terpineol	Ave	0.2835	0.3239			7.50	14.2	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0251.D
Lims ID: CCVIS L5
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Jan-2021 22:29:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0019389-002
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub17

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: williamss Date: 06-Jan-2021 23:07:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.986	1.986	0.000	97	166977	7.50	6.92	
2 N-Nitrosodimethylamine	74	2.575	2.575	0.000	96	271792	7.50	7.30	
3 Pyridine	79	2.598	2.598	0.000	87	854038	15.0	12.9	
5 2-Picoline	93	3.816	3.816	0.000	92	503736	7.50	7.26	
4 Dimethylformamide	73	3.846	3.846	0.000	29	951	NC	NC	
6 N-Nitrosomethylethylamine	88	4.026	4.026	0.000	97	209037	7.50	7.32	
9 Methyl methanesulfonate	80	4.487	4.487	0.000	87	257062	7.50	9.25	
$ 10 2-Fluorophenol	112	4.737	4.737	0.000	93	870646	15.0	14.4	
11 N-Nitrosodiethylamine	102	5.058	5.058	0.000	96	222796	7.50	7.65	
13 Ethyl methanesulfonate	109	5.524	5.524	0.000	97	229814	7.50	7.17	
15 Benzaldehyde	77	5.979	5.979	0.000	92	580680	12.5	11.8	
$ 16 Phenol-d5	99	6.125	6.125	0.000	97	1060772	15.0	14.9	
18 Aniline	93	6.142	6.142	0.000	85	686486	7.50	7.05	
17 Phenol	94	6.142	6.142	0.000	86	595274	7.50	7.19	
19 Bis(2-chloroethyl)ether	93	6.264	6.264	0.000	95	450023	7.50	7.11	
20 2-Chlorophenol	128	6.305	6.305	0.000	95	488322	7.50	7.53	
22 1,3-Dichlorobenzene	146	6.533	6.533	0.000	99	567738	7.50	7.74	
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	94	232453	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.643	6.643	0.000	95	564321	7.50	7.62	
26 Benzyl alcohol	108	6.847	6.847	0.000	94	298247	7.50	7.35	
27 1,2-Dichlorobenzene	146	6.865	6.865	0.000	98	547380	7.50	7.80	
28 Indene	115	6.999	6.999	0.000	89	1442691	12.5	15.9	
30 2-Methylphenol	108	7.040	7.040	0.000	92	420450	7.50	7.43	
32 2,2'-oxybis[1-chloropropane]	45	7.069	7.069	0.000	93	728767	7.50	6.51	
33 N-Nitrosopyrrolidine	100	7.203	7.203	0.000	90	238636	7.50	7.84	
34 Acetophenone	105	7.238	7.238	0.000	96	633970	7.50	7.08	
35 N-Nitrosodi-n-propylamine	70	7.267	7.267	0.000	89	317538	7.50	7.16	
37 N-Nitrosomorpholine	56	7.273	7.273	0.000	92	320110	7.50	6.96	
36 4-Methylphenol	108	7.279	7.279	0.000	91	479818	7.50	8.01	
38 2-Toluidine	106	7.290	7.290	0.000	96	729178	7.50	7.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	7.372	7.372	0.000	95	219627	7.50	7.48	
$ 41 Nitrobenzene-d5	82	7.459	7.459	0.000	90	923509	15.0	14.3	
42 Nitrobenzene	77	7.483	7.483	0.000	88	471407	7.50	7.19	
43 N-Nitrosopiperidine	114	7.716	7.716	0.000	82	230727	7.50	7.44	
45 Isophorone	82	7.867	7.867	0.000	96	836233	7.50	7.49	
46 2-Nitrophenol	139	7.978	7.978	0.000	88	260024	7.50	7.65	
48 2,4-Dimethylphenol	107	8.089	8.089	0.000	93	456778	7.50	7.49	
49 o,o',o''-Triethylphosphorothioat	198	8.211	8.211	0.000	80	244707	7.50	7.43	
51 Bis(2-chloroethoxy)methane	93	8.240	8.240	0.000	98	514290	7.50	6.84	
52 2,4-Dichlorophenol	162	8.357	8.357	0.000	92	410924	7.50	7.55	
53 1,2,4-Trichlorobenzene	180	8.479	8.479	0.000	94	458436	7.50	7.82	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	870007	5.00	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1409537	7.50	7.38	
29 Alpha-Terpineol	59	8.648	8.648	0.000	95	422655	NC	NC	
57 4-Chloroaniline	127	8.701	8.701	0.000	96	580470	7.50	8.00	
58 2,6-Dichlorophenol	162	8.712	8.712	0.000	98	402462	7.50	7.77	
39 p-Phenylene diamine	108	8.736	8.736	0.000	50	42016	NC	NC	
59 Hexachloropropene	213	8.742	8.742	0.000	87	331269	7.50	9.53	
60 Hexachlorobutadiene	225	8.817	8.817	0.000	95	273179	7.50	7.81	
62 Quinoline	129	9.115	9.115	0.000	97	894288	7.50	7.60	
63 Caprolactam	113	9.237	9.237	0.000	77	232379	12.5	12.1	
64 N-Nitrosodi-n-butylamine	84	9.272	9.272	0.000	93	293107	7.50	6.76	
66 4-Chloro-3-methylphenol	107	9.517	9.517	0.000	95	381247	7.50	7.39	
67 Safrole, Total	162	9.593	9.593	0.000	93	369370	7.50	7.51	
S 65 Diallate	86				0		7.50	6.97	
68 2-Methylnaphthalene	142	9.692	9.692	0.000	92	966282	7.50	7.71	
69 1-Methylnaphthalene	142	9.843	9.843	0.000	93	889379	7.50	7.52	
71 Hexachlorocyclopentadiene	237	9.960	9.960	0.000	96	337427	7.50	9.41	
72 1,2,4,5-Tetrachlorobenzene	216	9.960	9.960	0.000	96	458854	7.50	7.74	
73 Isosafrole Peak 1	162	10.059	10.059	0.000	92	65923	1.20	1.17	
74 2,4,6-Trichlorophenol	196	10.164	10.164	0.000	92	297821	7.50	7.61	
75 2,4,5-Trichlorophenol	196	10.216	10.216	0.000	95	312689	7.50	7.47	
$ 76 2-Fluorobiphenyl (Surr)	172	10.309	10.309	0.000	100	2115726	15.0	14.7	
77 Isosafrole Peak 2	162	10.420	10.420	0.000	94	385060	6.30	6.43	
78 1,1'-Biphenyl	154	10.455	10.455	0.000	95	1190730	7.50	7.19	
79 2-Chloronaphthalene	162	10.461	10.461	0.000	98	908444	7.50	7.41	
80 1-Chloronaphthalene	162	10.490	10.490	0.000	98	844430	7.50	7.59	
81 Phenyl ether	170	10.636	10.636	0.000	86	625403	7.50	7.36	
82 2-Nitroaniline	138	10.648	10.648	0.000	87	300987	7.50	7.67	
84 1,4-Naphthoquinone	158	10.758	10.758	0.000	93	356038	7.50	6.98	
85 1,4-Dinitrobenzene	168	10.887	10.887	0.000	95	160361	7.50	7.62	
86 Dimethyl phthalate	163	10.986	10.986	0.000	98	1008216	7.50	7.43	
87 1,3-Dinitrobenzene	168	10.997	10.997	0.000	88	181413	7.50	7.78	
88 2,6-Dinitrotoluene	165	11.061	11.061	0.000	94	239331	7.50	7.69	
89 Acenaphthylene	152	11.120	11.120	0.000	98	1451915	7.50	8.56	
90 3-Nitroaniline	138	11.312	11.312	0.000	92	251917	7.50	7.77	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	437995	5.00	5.00	
93 Acenaphthene	153	11.399	11.399	0.000	94	924197	7.50	7.31	
94 2,4-Dinitrophenol	184	11.481	11.481	0.000	87	297234	17.5	14.9	
96 Pentachlorobenzene	250	11.603	11.603	0.000	98	419752	7.50	7.91	
95 4-Nitrophenol	109	11.621	11.621	0.000	80	280589	15.0	14.3	
97 Dibenzofuran	168	11.662	11.662	0.000	96	1331014	7.50	7.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,4-Dinitrotoluene	165	11.679	11.679	0.000	93	318556	7.50	7.65	
99 1-Naphthylamine	143	11.778	11.778	0.000	98	912357	7.50	7.33	
101 2,3,4,6-Tetrachlorophenol	232	11.854	11.854	0.000	72	262511	7.50	8.29	
103 2-Naphthylamine	143	11.889	11.889	0.000	97	874275	7.50	7.26	
104 Diethyl phthalate	149	12.052	12.052	0.000	99	986054	7.50	7.25	
105 Fluorene	166	12.128	12.128	0.000	95	1059253	7.50	7.72	
106 Thionazin	107	12.146	12.146	0.000	81	168006	7.50	7.12	
108 4-Chlorophenyl phenyl ether	204	12.157	12.157	0.000	91	513687	7.50	7.77	
107 N-Nitro-o-toluidine	152	12.157	12.157	0.000	86	293113	7.50	7.86	
109 4-Nitroaniline	138	12.169	12.169	0.000	87	264178	7.50	7.62	
110 4,6-Dinitro-2-methylphenol	198	12.215	12.215	0.000	86	334946	15.0	13.2	
111 N-Nitrosodiphenylamine	169	12.303	12.303	0.000	61	741346	6.38	6.49	
112 1,2-Diphenylhydrazine	77	12.344	12.344	0.000	41	916867	7.50	7.23	
$ 113 2,4,6-Tribromophenol	330	12.419	12.419	0.000	93	335802	15.0	15.3	
114 Sulfotepp	97	12.530	12.530	0.000	82	152665	7.50	7.04	
172 1,3,5-Trinitrobenzene	213	12.641	12.641	0.000	86	128132	NC	NC	
115 cis-Diallate	86	12.658	12.658	0.000	91	291600	5.55	5.22	
116 Phorate	75	12.664	12.664	0.000	95	539092	7.50	7.11	
117 Phenacetin	108	12.693	12.693	0.000	96	482712	7.50	7.68	
118 4-Bromophenyl phenyl ether	248	12.734	12.734	0.000	63	294632	7.50	7.61	
119 trans-Diallate	86	12.763	12.763	0.000	91	97317	1.95	1.74	
120 Hexachlorobenzene	284	12.781	12.781	0.000	95	337748	7.50	7.58	
121 Dimethoate	87	12.857	12.857	0.000	95	376491	7.50	7.26	
122 Atrazine	200	12.967	12.967	0.000	94	484309	12.5	12.3	
123 Pentachlorophenol	266	13.031	13.031	0.000	94	383920	15.0	12.9	
124 Pentachloronitrobenzene	237	13.043	13.043	0.000	88	142665	7.50	8.13	
125 4-Aminobiphenyl	169	13.043	13.043	0.000	90	1174521	7.50	13.6	
126 Pronamide	173	13.148	13.148	0.000	90	481409	7.50	7.76	
* 127 Phenanthrene-d10	188	13.253	13.253	0.000	97	854488	5.00	5.00	
129 Phenanthrene	178	13.282	13.282	0.000	96	1502525	7.50	7.56	
128 Dinoseb	211	13.282	13.282	0.000	67	264021	7.50	7.21	
70 Disulfoton	88	13.300	13.300	0.000	97	570379	NC	NC	
130 Anthracene	178	13.346	13.346	0.000	97	1542671	7.50	7.71	
131 Carbazole	167	13.562	13.562	0.000	95	1408967	7.50	7.46	
132 Methyl parathion	109	13.760	13.760	0.000	94	338410	7.50	7.75	
133 Di-n-butyl phthalate	149	14.069	14.069	0.000	100	1773324	7.50	7.21	
134 Ethyl Parathion	109	14.296	14.296	0.000	85	210480	7.50	7.74	
135 4-Nitroquinoline-1-oxide	190	14.296	14.296	0.000	81	139260	7.50	5.68	
136 Octachlorostyrene	308	14.623	14.623	0.000	93	137934	7.50	7.15	
137 Isodrin	193	14.663	14.663	0.000	95	184193	7.50	7.53	
138 Fluoranthene	202	14.879	14.879	0.000	97	1720509	7.50	7.49	
139 Benzidine	184	15.112	15.112	0.000	99	3374389	22.5	21.1	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	100	887431	5.00	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	1782625	7.50	7.26	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	99	2502135	15.0	14.1	
143 p-Dimethylamino azobenzene	225	15.724	15.724	0.000	93	335518	7.50	8.21	
100 Famphur	218	15.823	15.823	0.000	49	3555	NC	NC	
144 Chlorobenzilate	139	15.823	15.823	0.000	92	532982	7.50	7.49	
145 3,3'-Dimethylbenzidine	212	16.278	16.278	0.000	99	962975	7.50	6.04	
146 Butyl benzyl phthalate	149	16.342	16.342	0.000	96	786368	7.50	7.07	
147 2-Acetylaminofluorene	181	16.692	16.692	0.000	94	665269	7.50	7.31	
148 Benzo[a]anthracene	228	17.187	17.187	0.000	98	1565243	7.50	7.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 3,3'-Dichlorobenzidine	252	17.187	17.187	0.000	73	631027	7.50	7.30	
150 4,4'-Methylene bis(2-chloroani	231	17.211	17.211	0.000	93	345076	7.50	7.76	
151 Chrysene	228	17.246	17.246	0.000	97	1610008	7.50	7.62	
152 Bis(2-ethylhexyl) phthalate	149	17.403	17.403	0.000	96	1116763	7.50	7.01	
153 6-Methylchrysene	242	18.038	18.038	0.000	99	1141435	7.50	7.18	
154 Di-n-octyl phthalate	149	18.551	18.551	0.000	99	1877205	7.50	6.90	
155 Benzo[b]fluoranthene	252	19.017	19.017	0.000	97	1688110	7.50	7.56	
156 7,12-Dimethylbenz(a)anthracene	256	19.023	19.023	0.000	93	782181	7.50	7.71	
157 Benzo[k]fluoranthene	252	19.064	19.064	0.000	99	1726556	7.50	8.04	
158 Benzo[a]pyrene	252	19.536	19.536	0.000	77	1450507	7.50	7.08	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	899631	5.00	5.00	
160 3-Methylcholanthrene	268	20.113	20.113	0.000	92	864405	7.50	8.18	
161 Dibenz[a,h]acridine	279	20.912	20.912	0.000	91	1289845	7.50	7.57	
162 Dibenz[a,j]acridine	279	20.988	20.988	0.000	96	1419766	7.50	7.96	
163 Indeno[1,2,3-cd]pyrene	276	21.221	21.221	0.000	99	1508864	7.50	7.59	M
164 Dibenz(a,h)anthracene	278	21.261	21.261	0.000	93	1617635	7.50	7.81	
165 Benzo[g,h,i]perylene	276	21.582	21.582	0.000	98	1669225	7.50	7.93	
S 166 Isosafrole	162				0		7.50	7.60	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_5_00014 Amount Added: 1.00 Units: mL

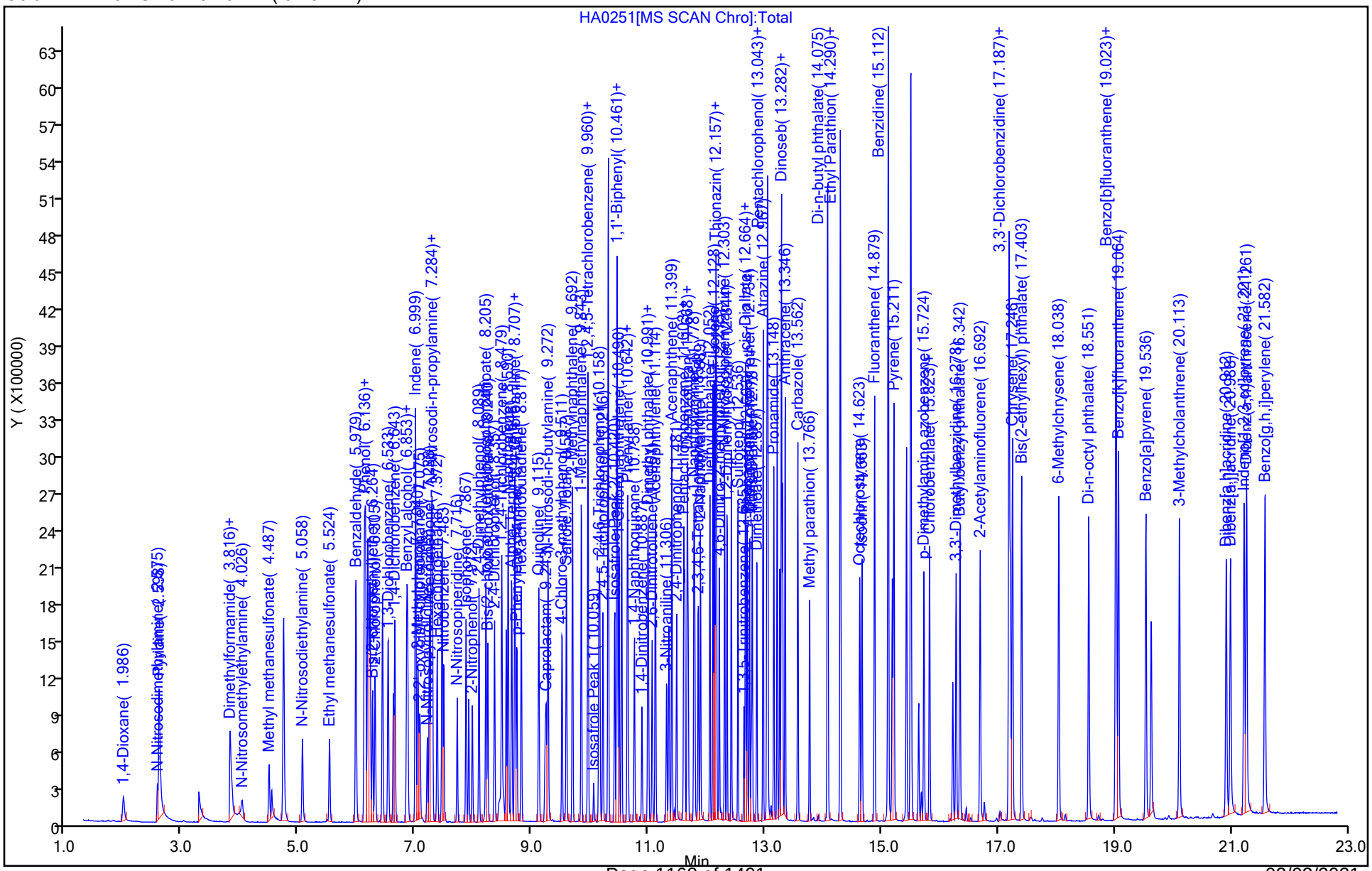
Report Date: 07-Jan-2021 09:01:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0251.D

Injection Date:	06-Jan-2021 22:29:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	CCVIS L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82839/2 Calibration Date: 01/07/2021 08:52

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5187	0.5020		7.26	7.50	-3.2	20.0
N-Nitrosodimethylamine	Ave	0.8005	0.7607		7.13	7.50	-5.0	20.0
Pyridine	Ave	1.427	1.209		12.7	15.0	-15.3	20.0
2-Picoline	Ave	1.493	1.387		6.97	7.50	-7.1	20.0
N-Nitrosomethylethylamine	Ave	0.6140	0.5898		7.20	7.50	-3.9	20.0
Methyl methanesulfonate	Ave	0.5975	0.7212		9.05	7.50	20.7*	20.0
N-Nitrosodiethylamine	Ave	0.6261	0.6262		7.50	7.50	0.0	20.0
Ethyl methanesulfonate	Ave	0.6891	0.6449		7.02	7.50	-6.4	20.0
Benzaldehyde	Ave	1.062	0.9800	0.0100	11.5	12.5	-7.7	20.0
Aniline	Ave	2.093	1.943		6.96	7.50	-7.2	20.0
Phenol	Ave	1.781	1.666	0.8000	7.01	7.50	-6.5	20.0
Bis(2-chloroethyl)ether	Ave	1.361	1.268	0.7000	6.99	7.50	-6.8	20.0
2-Chlorophenol	Ave	1.396	1.389	0.8000	7.46	7.50	-0.5	20.0
1,3-Dichlorobenzene	Ave	1.578	1.586		7.54	7.50	0.5	20.0
1,4-Dichlorobenzene	Ave	1.593	1.579		7.43	7.50	-0.9	20.0
Benzyl alcohol	Ave	0.8726	0.8561		7.36	7.50	-1.9	20.0
1,2-Dichlorobenzene	Ave	1.510	1.525		7.57	7.50	1.0	20.0
Indene	Ave	1.952	2.434		15.6	12.5	24.7*	20.0
2-Methylphenol	Ave	1.218	1.186	0.7000	7.31	7.50	-2.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.407	2.049	0.0100	6.39	7.50	-14.9	20.0
N-Nitrosopyrrolidine	Ave	0.6551	0.6657		7.62	7.50	1.6	20.0
Acetophenone	Ave	1.926	1.791	0.0100	6.97	7.50	-7.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.9538	0.9193	0.5000	7.23	7.50	-3.6	20.0
N-Nitrosomorpholine	Ave	0.9887	0.9137		6.93	7.50	-7.6	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.289	1.364	0.6000	7.94	7.50	5.8	20.0
o-Toluidine	Ave	2.095	2.040		7.30	7.50	-2.6	20.0
Hexachloroethane	Ave	0.6312	0.6170	0.3000	7.33	7.50	-2.3	20.0
Nitrobenzene	Ave	0.3766	0.3568	0.2000	7.11	7.50	-5.3	20.0
N-Nitrosopiperidine	Ave	0.1782	0.1742		7.33	7.50	-2.3	20.0
Isophorone	Ave	0.6415	0.6342	0.4000	7.41	7.50	-1.1	20.0
2-Nitrophenol	Ave	0.1954	0.1983	0.1000	7.61	7.50	1.5	20.0
2,4-Dimethylphenol	Ave	0.3505	0.3484	0.2000	7.46	7.50	-0.6	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1892	0.1830		7.25	7.50	-3.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.4322	0.3977	0.3000	6.90	7.50	-8.0	20.0
2,4-Dichlorophenol	Ave	0.3128	0.3102	0.2000	7.44	7.50	-0.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3508		7.81	7.50	4.1	20.0
Naphthalene	Ave	1.097	1.080	0.7000	7.38	7.50	-1.6	20.0
4-Chloroaniline	Ave	0.4171	0.4388	0.0100	7.89	7.50	5.2	20.0
2,6-Dichlorophenol	Ave	0.2976	0.3071		7.74	7.50	3.2	20.0
Hexachloropropene	Ave	0.1997	0.2475		9.29	7.50	23.9*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82839/2 Calibration Date: 01/07/2021 08:52

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.2010	0.2057	0.0100	7.67	7.50	2.3	20.0
Quinoline	Ave	0.6758	0.6819		7.57	7.50	0.9	20.0
Caprolactam	Ave	0.1105	0.1061	0.0100	12.0	12.5	-4.0	20.0
N-Nitrosodi-n-butylamine	Ave	0.2490	0.2227		6.71	7.50	-10.6	20.0
4-Chloro-3-methylphenol	Ave	0.2965	0.2827	0.2000	7.15	7.50	-4.7	20.0
Safrole, Total	Ave	0.2826	0.2838		7.53	7.50	0.5	20.0
2-Methylnaphthalene	Ave	0.7204	0.7416	0.4000	7.72	7.50	2.9	20.0
1-Methylnaphthalene	Ave	0.6795	0.6762		7.46	7.50	-0.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6771	0.7016	0.0100	7.77	7.50	3.6	20.0
Hexachlorocyclopentadiene	Ave	0.4094	0.5260	0.0500	9.64	7.50	28.5*	20.0
Isosafrole Peak 1	Ave	0.6415	0.6670		1.25	1.20	4.0	20.0
2,4,6-Trichlorophenol	Ave	0.4470	0.4623	0.2000	7.76	7.50	3.4	20.0
2,4,5-Trichlorophenol	Ave	0.4775	0.4924	0.2000	7.73	7.50	3.1	20.0
Isosafrole Peak 2	Ave	0.6840	0.7093		6.53	6.30	3.7	20.0
1,1'-Biphenyl	Ave	1.890	1.825	0.0100	7.24	7.50	-3.4	20.0
2-Chloronaphthalene	Ave	1.399	1.404	0.8000	7.53	7.50	0.4	20.0
1-Chloronaphthalene	Ave	1.271	1.306		7.71	7.50	2.8	20.0
Diphenyl ether	Ave	0.9707	0.9655		7.46	7.50	-0.5	20.0
2-Nitroaniline	Ave	0.4482	0.4645	0.0100	7.77	7.50	3.6	20.0
1,4-Naphthoquinone	Ave	0.5821	0.5526		7.12	7.50	-5.1	20.0
1,4-Dinitrobenzene	Ave	0.2403	0.2438		7.61	7.50	1.5	20.0
Dimethyl phthalate	Ave	1.550	1.559	0.0100	7.55	7.50	0.6	20.0
1,3-Dinitrobenzene	Ave	0.2661	0.2794		7.88	7.50	5.0	20.0
2,6-Dinitrotoluene	Ave	0.3553	0.3697	0.2000	7.80	7.50	4.1	20.0
Acenaphthylene	Ave	1.937	2.240	0.9000	8.67	7.50	15.7	20.0
3-Nitroaniline	Ave	0.3701	0.3863	0.0100	7.83	7.50	4.4	20.0
Acenaphthene	Ave	1.443	1.447	0.9000	7.52	7.50	0.3	20.0
2,4-Dinitrophenol	Ave	0.2279	0.1936	0.0100	14.9	17.5	-15.1	20.0
Pentachlorobenzene	Ave	0.6061	0.6482		8.02	7.50	6.9	20.0
4-Nitrophenol	Ave	0.2233	0.2162	0.0100	14.5	15.0	-3.2	20.0
Dibenzofuran	Ave	1.981	2.068	0.8000	7.83	7.50	4.4	20.0
2,4-Dinitrotoluene	Ave	0.4754	0.4734	0.2000	7.47	7.50	-0.4	20.0
1-Naphthylamine	Ave	1.421	1.414		7.46	7.50	-0.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3616	0.3995	0.0100	8.29	7.50	10.5	20.0
2-Naphthylamine	Ave	1.374	1.343		7.33	7.50	-2.2	20.0
Diethyl phthalate	Ave	1.552	1.522	0.0100	7.35	7.50	-2.0	20.0
Fluorene	Ave	1.566	1.625	0.9000	7.78	7.50	3.7	20.0
Thionazin	Ave	0.2692	0.2568		7.15	7.50	-4.6	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7547	0.7943	0.4000	7.89	7.50	5.3	20.0
5-Nitro-o-toluidine	Ave	0.4256	0.4506		7.94	7.50	5.9	20.0
4-Nitroaniline	Ave	0.3959	0.4029	0.0100	7.63	7.50	1.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82839/2 Calibration Date: 01/07/2021 08:52

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,6-Dinitro-2-methylphenol	Ave	0.1486	0.1291	0.0100	13.0	15.0	-13.1	20.0
N-Nitrosodiphenylamine	Ave	0.6682	0.6898	0.0100	6.58	6.38	3.2	20.0
1,2-Diphenylhydrazine	Ave	0.7423	0.7147		7.22	7.50	-3.7	20.0
Sulfotepp	Ave	0.1268	0.1202		7.11	7.50	-5.3	20.0
cis-Diallate	Ave	0.3266	0.3126		5.31	5.55	-4.3	20.0
Phorate	Ave	0.4436	0.4345		7.35	7.50	-2.1	20.0
Phenacetin	Ave	0.3680	0.3829		7.80	7.50	4.1	20.0
4-Bromophenyl-phenylether	Ave	0.2267	0.2352	0.1000	7.78	7.50	3.8	20.0
trans-Diallate	Ave	0.3265	0.2970		1.77	1.95	-9.0	20.0
Hexachlorobenzene	Ave	0.2608	0.2667	0.1000	7.67	7.50	2.3	20.0
Dimethoate	Ave	0.3033	0.2989		7.39	7.50	-1.5	20.0
Atrazine	Ave	0.2299	0.2319	0.0100	12.6	12.5	0.8	20.0
Pentachlorophenol	Ave	0.1743	0.1549	0.0500	13.3	15.0	-11.1	20.0
4-Aminobiphenyl	Ave	0.5068	0.9137		13.5	7.50	80.3*	20.0
Pentachloronitrobenzene	Ave	0.1027	0.1158		8.46	7.50	12.8	20.0
Pronamide	Ave	0.3628	0.3810		7.88	7.50	5.0	20.0
Phenanthrene	Ave	1.163	1.190	0.7000	7.67	7.50	2.3	20.0
Dinoseb	Ave	0.2144	0.2084		7.29	7.50	-2.8	20.0
Anthracene	Ave	1.170	1.220	0.7000	7.82	7.50	4.2	20.0
Carbazole	Ave	1.105	1.127	0.0100	7.65	7.50	2.0	20.0
Methyl parathion	Ave	0.2555	0.2666		7.83	7.50	4.3	20.0
Di-n-butyl phthalate	Ave	1.440	1.420	0.0100	7.40	7.50	-1.3	20.0
4-Nitroquinoline-1-oxide	Ave	0.1436	0.1049		5.48	7.50	-26.9*	20.0
Parathion	Ave	0.1592	0.1666		7.85	7.50	4.6	20.0
Octachlorostyrene	Ave	0.1130	0.1071		7.11	7.50	-5.2	20.0
Isodrin	Ave	0.1432	0.1420		7.44	7.50	-0.8	20.0
Fluoranthene	Ave	1.344	1.364	0.6000	7.61	7.50	1.5	20.0
Benzidine	Ave	0.8997	0.8224		20.6	22.5	-8.6	20.0
Pyrene	Ave	1.383	1.350	0.6000	7.32	7.50	-2.4	20.0
p-Dimethylamino azobenzene	Ave	0.2301	0.2519		8.21	7.50	9.5	20.0
Chlorobenzilate	Ave	0.4007	0.4059		7.60	7.50	1.3	20.0
3,3'-Dimethylbenzidine	Ave	0.8987	0.7115			7.50	-20.8*	20.0
Butylbenzylphthalate	Ave	0.6263	0.5889	0.0100	7.05	7.50	-6.0	20.0
2-Acetylaminofluorene	Ave	0.5125	0.5146		7.53	7.50	0.4	20.0
Benzo[a]anthracene	Ave	1.177	1.195	0.8000	7.61	7.50	1.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4871	0.4784	0.0100	7.37	7.50	-1.8	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2505	0.2576			7.50	2.8	20.0
Chrysene	Ave	1.190	1.212	0.7000	7.64	7.50	1.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8973	0.8330	0.0100	6.96	7.50	-7.2	20.0
6-Methylchrysene	Ave	0.8960	0.8569		7.17	7.50	-4.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82839/2 Calibration Date: 01/07/2021 08:52

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.512	1.365	0.0100	6.77	7.50	-9.7	20.0
Benzo[b]fluoranthene	Ave	1.242	1.219	0.7000	7.36	7.50	-1.8	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5636	0.5669		7.54	7.50	0.6	20.0
Benzo[k]fluoranthene	Ave	1.193	1.246	0.7000	7.83	7.50	4.4	20.0
Benzo[a]pyrene	Ave	1.138	1.051	0.7000	6.93	7.50	-7.6	20.0
3-Methylcholanthrene	Ave	0.5870	0.6376		8.15	7.50	8.6	20.0
Dibenz[a,h]acridine	Ave	0.9467	0.9394		7.44	7.50	-0.8	20.0
Dibenz[a,j]acridine	Ave	0.9918	1.013		7.66	7.50	2.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.105	1.081	0.5000	7.34	7.50	-2.2	20.0
Dibenz(a,h)anthracene	Ave	1.151	1.170	0.4000	7.63	7.50	1.7	20.0
Benzo[g,h,i]perylene	Ave	1.170	1.177	0.5000	7.54	7.50	0.6	20.0
2-Fluorophenol (Surr)	Ave	1.301	1.209		13.9	15.0	-7.1	20.0
Phenol-d5 (Surr)	Ave	1.529	1.494		14.7	15.0	-2.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3700	0.3510		14.2	15.0	-5.1	20.0
2-Fluorobiphenyl (Surr)	Ave	1.648	1.628		14.8	15.0	-1.2	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2499	0.2577		15.5	15.0	3.1	20.0
p-Terphenyl-d14 (Surr)	Ave	1.002	0.9371		14.0	15.0	-6.5	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0301.D
Lims ID: CCVIS L5
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jan-2021 08:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0019409-002
Operator ID: em10340 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub17

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:45:06 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: monbornee Date: 07-Jan-2021 09:27:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.992	1.992	0.000	97	177879	7.50	7.26	
2 N-Nitrosodimethylamine	74	2.575	2.575	0.000	93	269529	7.50	7.13	
3 Pyridine	79	2.598	2.598	0.000	74	856955	15.0	12.7	
5 2-Picoline	93	3.822	3.822	0.000	92	491523	7.50	6.97	
4 Dimethylformamide	73	3.846	3.846	0.000	25	641	NC	NC	
6 N-Nitrosomethylethylamine	88	4.026	4.026	0.000	97	208971	7.50	7.20	
9 Methyl methanesulfonate	80	4.487	4.487	0.000	87	255512	7.50	9.05	
$ 10 2-Fluorophenol	112	4.737	4.737	0.000	93	856761	15.0	13.9	
11 N-Nitrosodiethylamine	102	5.058	5.058	0.000	95	221858	7.50	7.50	
13 Ethyl methanesulfonate	109	5.524	5.524	0.000	98	228493	7.50	7.02	
15 Benzaldehyde	77	5.979	5.979	0.000	92	578691	12.5	11.5	
$ 16 Phenol-d5	99	6.125	6.125	0.000	97	1058332	15.0	14.7	
18 Aniline	93	6.142	6.142	0.000	87	688552	7.50	6.96	
17 Phenol	94	6.142	6.142	0.000	82	590112	7.50	7.01	
19 Bis(2-chloroethyl)ether	93	6.264	6.264	0.000	95	449238	7.50	6.99	
20 2-Chlorophenol	128	6.305	6.305	0.000	95	492203	7.50	7.46	
22 1,3-Dichlorobenzene	146	6.533	6.533	0.000	99	561774	7.50	7.54	
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	94	236205	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.643	6.643	0.000	95	559448	7.50	7.43	
26 Benzyl alcohol	108	6.847	6.847	0.000	94	303309	7.50	7.36	
27 1,2-Dichlorobenzene	146	6.865	6.865	0.000	98	540261	7.50	7.57	
28 Indene	115	6.999	6.999	0.000	90	1437583	12.5	15.6	
30 2-Methylphenol	108	7.040	7.040	0.000	94	420230	7.50	7.31	
32 2,2'-oxybis[1-chloropropane]	45	7.069	7.069	0.000	93	726092	7.50	6.39	
33 N-Nitrosopyrrolidine	100	7.203	7.203	0.000	90	235867	7.50	7.62	
34 Acetophenone	105	7.238	7.238	0.000	96	634523	7.50	6.97	
35 N-Nitrosodi-n-propylamine	70	7.261	7.261	0.000	86	325701	7.50	7.23	
37 N-Nitrosomorpholine	56	7.273	7.273	0.000	92	323728	7.50	6.93	
36 4-Methylphenol	108	7.279	7.279	0.000	91	483275	7.50	7.94	
38 2-Toluidine	106	7.290	7.290	0.000	94	722866	7.50	7.30	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	7.372	7.372	0.000	95	218604	7.50	7.33	
$ 41 Nitrobenzene-d5	82	7.459	7.459	0.000	90	921262	15.0	14.2	
42 Nitrobenzene	77	7.483	7.483	0.000	88	468232	7.50	7.11	
43 N-Nitrosopiperidine	114	7.716	7.716	0.000	82	228604	7.50	7.33	
45 Isophorone	82	7.867	7.867	0.000	96	832199	7.50	7.41	M
46 2-Nitrophenol	139	7.978	7.978	0.000	87	260270	7.50	7.61	
48 2,4-Dimethylphenol	107	8.089	8.089	0.000	93	457144	7.50	7.46	
49 o,o',o''-Triethylphosphorothioat	198	8.211	8.211	0.000	82	240091	7.50	7.25	
51 Bis(2-chloroethoxy)methane	93	8.240	8.240	0.000	97	521882	7.50	6.90	
52 2,4-Dichlorophenol	162	8.357	8.357	0.000	92	407070	7.50	7.44	
53 1,2,4-Trichlorobenzene	180	8.479	8.479	0.000	94	460322	7.50	7.81	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	874799	5.00	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1417123	7.50	7.38	
29 Alpha-Terpineol	59	8.648	8.648	0.000	95	425238	NC	NC	
57 4-Chloroaniline	127	8.701	8.701	0.000	96	575836	7.50	7.89	
58 2,6-Dichlorophenol	162	8.713	8.713	0.000	97	402933	7.50	7.74	
39 p-Phenylene diamine	108	8.736	8.736	0.000	55	40535	NC	NC	
59 Hexachloropropene	213	8.736	8.736	0.000	87	324726	7.50	9.29	
60 Hexachlorobutadiene	225	8.817	8.817	0.000	96	269885	7.50	7.67	
62 Quinoline	129	9.115	9.115	0.000	97	894817	7.50	7.57	
63 Caprolactam	113	9.243	9.243	0.000	77	232102	12.5	12.0	
64 N-Nitrosodi-n-butylamine	84	9.272	9.272	0.000	92	292214	7.50	6.71	
66 4-Chloro-3-methylphenol	107	9.517	9.517	0.000	95	370950	7.50	7.15	
67 Safrole, Total	162	9.593	9.593	0.000	92	372465	7.50	7.53	
S 65 Diallate	86				0		7.50	7.08	
68 2-Methylnaphthalene	142	9.698	9.698	0.000	92	973119	7.50	7.72	
69 1-Methylnaphthalene	142	9.843	9.843	0.000	93	887339	7.50	7.46	
71 Hexachlorocyclopentadiene	237	9.960	9.960	0.000	94	339328	7.50	9.64	
72 1,2,4,5-Tetrachlorobenzene	216	9.960	9.960	0.000	96	452605	7.50	7.77	
73 Isosafrole Peak 1	162	10.059	10.059	0.000	94	68848	1.20	1.25	
74 2,4,6-Trichlorophenol	196	10.164	10.164	0.000	93	298269	7.50	7.76	
75 2,4,5-Trichlorophenol	196	10.216	10.216	0.000	95	317671	7.50	7.73	
$ 76 2-Fluorobiphenyl (Surr)	172	10.310	10.310	0.000	100	2099920	15.0	14.8	
77 Isosafrole Peak 2	162	10.420	10.420	0.000	94	384394	6.30	6.53	
78 1,1'-Biphenyl	154	10.455	10.455	0.000	96	1177227	7.50	7.24	
79 2-Chloronaphthalene	162	10.461	10.461	0.000	98	906094	7.50	7.53	
80 1-Chloronaphthalene	162	10.490	10.490	0.000	99	842435	7.50	7.71	
81 Phenyl ether	170	10.636	10.636	0.000	85	622865	7.50	7.46	
82 2-Nitroaniline	138	10.648	10.648	0.000	89	299661	7.50	7.77	
84 1,4-Naphthoquinone	158	10.758	10.758	0.000	93	356477	7.50	7.12	
85 1,4-Dinitrobenzene	168	10.887	10.887	0.000	96	157269	7.50	7.61	
86 Dimethyl phthalate	163	10.986	10.986	0.000	98	1005961	7.50	7.55	
87 1,3-Dinitrobenzene	168	10.997	10.997	0.000	87	180271	7.50	7.88	
88 2,6-Dinitrotoluene	165	11.061	11.061	0.000	95	238502	7.50	7.80	
89 Acenaphthylene	152	11.114	11.114	0.000	98	1445311	7.50	8.67	
90 3-Nitroaniline	138	11.312	11.312	0.000	92	249233	7.50	7.83	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	430091	5.00	5.00	
93 Acenaphthene	153	11.400	11.400	0.000	94	933690	7.50	7.52	
94 2,4-Dinitrophenol	184	11.481	11.481	0.000	87	291371	17.5	14.9	
96 Pentachlorobenzene	250	11.604	11.604	0.000	98	418200	7.50	8.02	
95 4-Nitrophenol	109	11.621	11.621	0.000	80	278953	15.0	14.5	
97 Dibenzofuran	168	11.662	11.662	0.000	97	1334283	7.50	7.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,4-Dinitrotoluene	165	11.679	11.679	0.000	94	305433	7.50	7.47	
99 1-Naphthylamine	143	11.778	11.778	0.000	98	912246	7.50	7.46	
101 2,3,4,6-Tetrachlorophenol	232	11.854	11.854	0.000	72	257737	7.50	8.29	
103 2-Naphthylamine	143	11.889	11.889	0.000	97	866621	7.50	7.33	
104 Diethyl phthalate	149	12.052	12.052	0.000	99	981882	7.50	7.35	
105 Fluorene	166	12.128	12.128	0.000	95	1048294	7.50	7.78	
106 Thionazin	107	12.146	12.146	0.000	80	165668	7.50	7.15	
108 4-Chlorophenyl phenyl ether	204	12.157	12.157	0.000	91	512447	7.50	7.89	
107 N-Nitro-o-toluidine	152	12.157	12.157	0.000	92	290684	7.50	7.94	
109 4-Nitroaniline	138	12.169	12.169	0.000	90	259933	7.50	7.63	
110 4,6-Dinitro-2-methylphenol	198	12.216	12.216	0.000	86	323030	15.0	13.0	
111 N-Nitrosodiphenylamine	169	12.303	12.303	0.000	61	733436	6.38	6.58	
112 1,2-Diphenylhydrazine	77	12.344	12.344	0.000	41	894047	7.50	7.22	
$ 113 2,4,6-Tribromophenol	330	12.420	12.420	0.000	93	332512	15.0	15.5	
114 Sulfotepp	97	12.530	12.530	0.000	80	150315	7.50	7.11	
172 1,3,5-Trinitrobenzene	213	12.635	12.635	0.000	87	129544	NC	NC	
115 cis-Diallate	86	12.658	12.658	0.000	93	289335	5.55	5.31	
116 Phorate	75	12.664	12.664	0.000	95	543498	7.50	7.35	
117 Phenacetin	108	12.693	12.693	0.000	96	478950	7.50	7.80	
118 4-Bromophenyl phenyl ether	248	12.734	12.734	0.000	63	294234	7.50	7.78	
119 trans-Diallate	86	12.758	12.758	0.000	91	96589	1.95	1.77	
120 Hexachlorobenzene	284	12.781	12.781	0.000	96	333657	7.50	7.67	
121 Dimethoate	87	12.857	12.857	0.000	95	373934	7.50	7.39	
122 Atrazine	200	12.967	12.967	0.000	94	483420	12.5	12.6	
123 Pentachlorophenol	266	13.032	13.032	0.000	93	387417	15.0	13.3	
124 Pentachloronitrobenzene	237	13.043	13.043	0.000	88	144857	7.50	8.46	
125 4-Aminobiphenyl	169	13.043	13.043	0.000	90	1142987	7.50	13.5	
126 Pronamide	173	13.148	13.148	0.000	90	476622	7.50	7.88	
* 127 Phenanthrene-d10	188	13.253	13.253	0.000	97	833951	5.00	5.00	
129 Phenanthrene	178	13.276	13.276	0.000	97	1489058	7.50	7.67	
128 Dinoseb	211	13.282	13.282	0.000	97	260705	7.50	7.29	
70 Disulfoton	88	13.300	13.300	0.000	98	494528	NC	NC	
130 Anthracene	178	13.346	13.346	0.000	97	1525717	7.50	7.82	
131 Carbazole	167	13.562	13.562	0.000	95	1409828	7.50	7.65	
132 Methyl parathion	109	13.760	13.760	0.000	94	333534	7.50	7.83	
133 Di-n-butyl phthalate	149	14.069	14.069	0.000	100	1776783	7.50	7.40	
134 Ethyl Parathion	109	14.296	14.296	0.000	83	208367	7.50	7.85	
135 4-Nitroquinoline-1-oxide	190	14.296	14.296	0.000	88	131243	7.50	5.48	
136 Octachlorostyrene	308	14.623	14.623	0.000	93	133920	7.50	7.11	
137 Isodrin	193	14.664	14.664	0.000	95	177614	7.50	7.44	
138 Fluoranthene	202	14.879	14.879	0.000	97	1706337	7.50	7.61	
139 Benzidine	184	15.112	15.112	0.000	99	3232096	22.5	20.6	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	873335	5.00	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	1768484	7.50	7.32	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	99	2455247	15.0	14.0	
143 p-Dimethylamino azobenzene	225	15.724	15.724	0.000	93	330007	7.50	8.21	
100 Famphur	218	15.823	15.823	0.000	54	3798	NC	NC	
144 Chlorobenzilate	139	15.823	15.823	0.000	91	531694	7.50	7.60	
145 3,3'-Dimethylbenzidine	212	16.278	16.278	0.000	99	932109	7.50	5.94	
146 Butyl benzyl phthalate	149	16.342	16.342	0.000	96	771396	7.50	7.05	
147 2-Acetylaminofluorene	181	16.692	16.692	0.000	94	674071	7.50	7.53	
148 Benzo[a]anthracene	228	17.182	17.182	0.000	98	1565969	7.50	7.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 3,3'-Dichlorobenzidine	252	17.187	17.187	0.000	73	626670	7.50	7.37	
150 4,4'-Methylene bis(2-chloroanil	231	17.211	17.211	0.000	93	337407	7.50	7.71	
151 Chrysene	228	17.246	17.246	0.000	97	1587246	7.50	7.64	
152 Bis(2-ethylhexyl) phthalate	149	17.403	17.403	0.000	96	1091279	7.50	6.96	
153 6-Methylchrysene	242	18.038	18.038	0.000	99	1122567	7.50	7.17	
154 Di-n-octyl phthalate	149	18.551	18.551	0.000	99	1876569	7.50	6.77	
155 Benzo[b]fluoranthene	252	19.018	19.018	0.000	97	1676245	7.50	7.36	
156 7,12-Dimethylbenz(a)anthracene	256	19.023	19.023	0.000	93	779633	7.50	7.54	
157 Benzo[k]fluoranthene	252	19.064	19.064	0.000	99	1712767	7.50	7.83	
158 Benzo[a]pyrene	252	19.536	19.536	0.000	77	1445609	7.50	6.93	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	916761	5.00	5.00	
160 3-Methylcholanthrene	268	20.107	20.107	0.000	92	876826	7.50	8.15	
161 Dibenz[a,h]acridine	279	20.912	20.912	0.000	91	1291813	7.50	7.44	
162 Dibenz[a,j]acridine	279	20.988	20.988	0.000	96	1393425	7.50	7.66	
163 Indeno[1,2,3-cd]pyrene	276	21.221	21.221	0.000	99	1486403	7.50	7.34	
164 Dibenz(a,h)anthracene	278	21.262	21.262	0.000	92	1609569	7.50	7.63	
165 Benzo[g,h,i]perylene	276	21.576	21.576	0.000	98	1618468	7.50	7.54	
S 166 Isosafrole	162				0		7.50	7.78	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_5_00014 Amount Added: 1.00 Units: mL

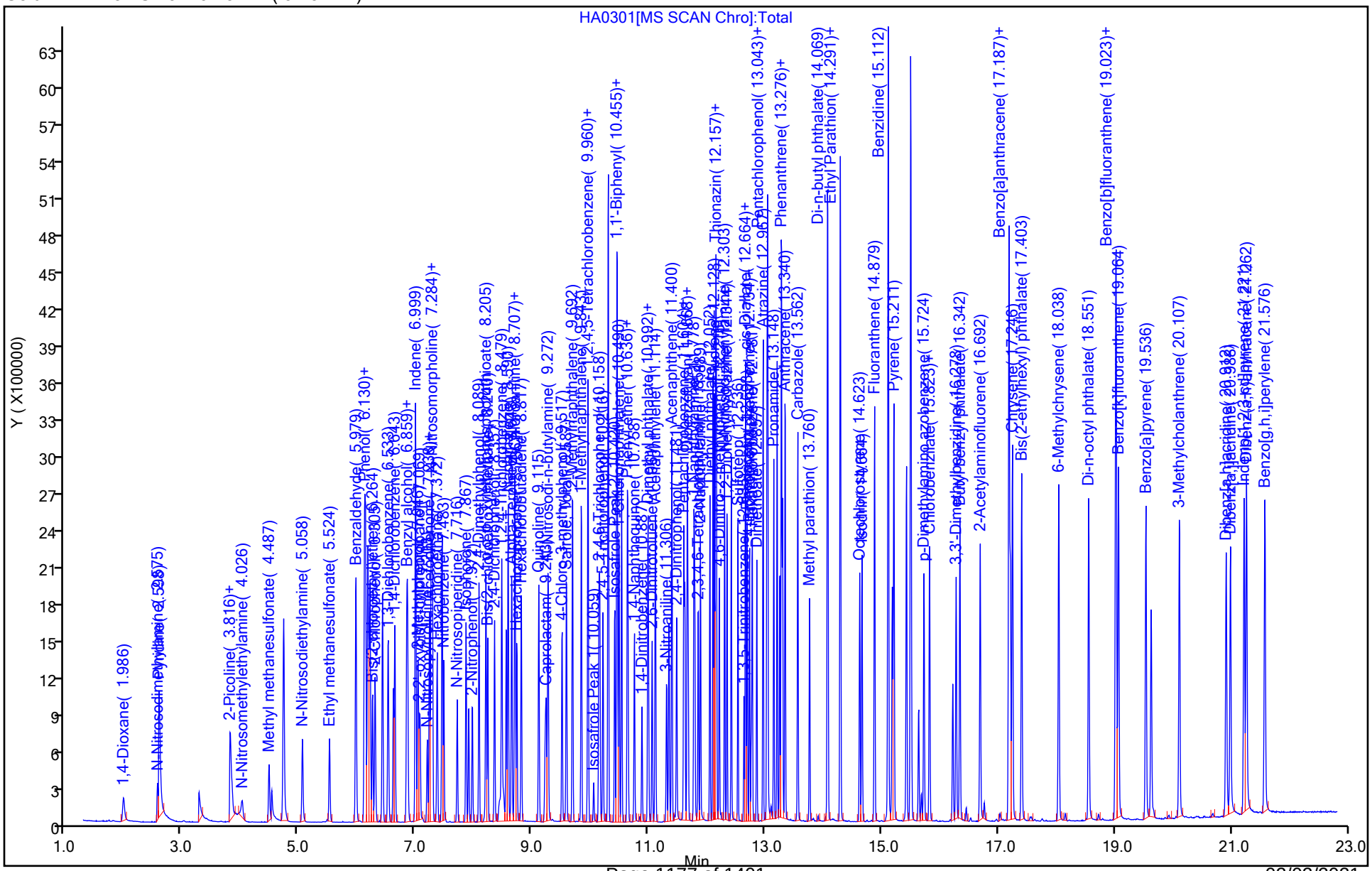
Report Date: 08-Jan-2021 02:45:10 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0301.D

Injection Date:	07-Jan-2021 08:52:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	CCVIS L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

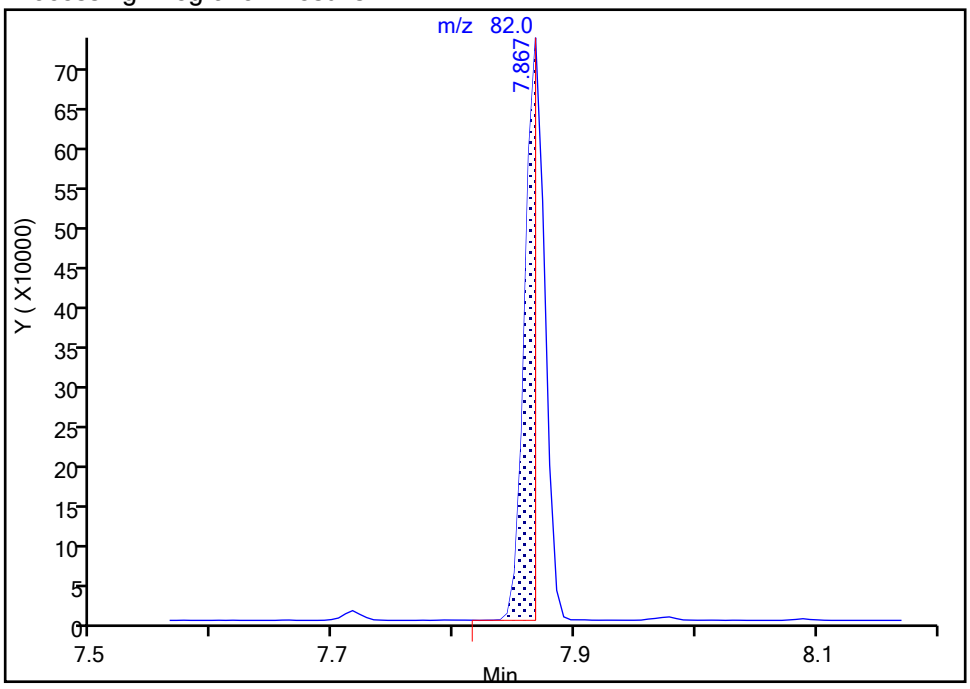
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Injection Date:	07-Jan-2021 08:52:30	Instrument ID:	HP18831		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

45 Isophorone, CAS: 78-59-1

Signal: 1

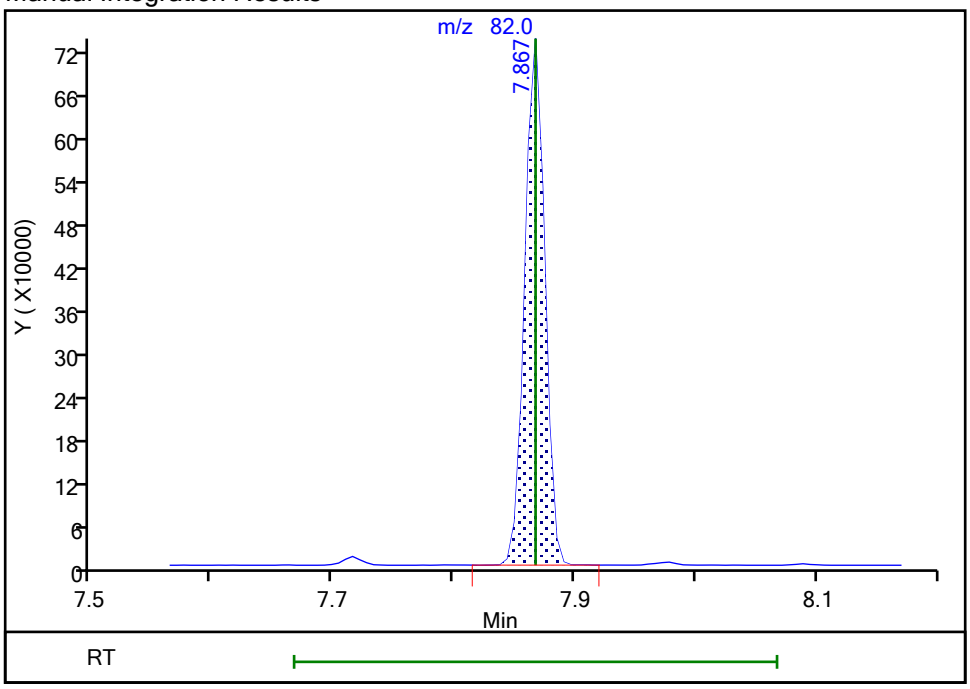
Processing Integration Results

RT: 7.87
Area: 437684
Amount: 3.899553
Amount Units: ug/ml



Manual Integration Results

RT: 7.87
Area: 832199
Amount: 7.414491
Amount Units: ug/ml



Reviewer: monbornee, 07-Jan-2021 09:26:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82839/2 Calibration Date: 01/07/2021 08:52

Instrument ID: HP18831 Calib Start Date: 12/14/2020 22:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/15/2020 01:16

Lab File ID: HA0301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
a-Terpineol	Ave	0.2835	0.3241			7.50	14.3	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0301.D
Lims ID: CCVIS L5
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jan-2021 08:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0019409-002
Operator ID: em10340 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub17

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:45:06 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: monbornee Date: 07-Jan-2021 09:27:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.992	1.992	0.000	97	177879	7.50	7.26	
2 N-Nitrosodimethylamine	74	2.575	2.575	0.000	93	269529	7.50	7.13	
3 Pyridine	79	2.598	2.598	0.000	74	856955	15.0	12.7	
5 2-Picoline	93	3.822	3.822	0.000	92	491523	7.50	6.97	
4 Dimethylformamide	73	3.846	3.846	0.000	25	641	NC	NC	
6 N-Nitrosomethylethylamine	88	4.026	4.026	0.000	97	208971	7.50	7.20	
9 Methyl methanesulfonate	80	4.487	4.487	0.000	87	255512	7.50	9.05	
$ 10 2-Fluorophenol	112	4.737	4.737	0.000	93	856761	15.0	13.9	
11 N-Nitrosodiethylamine	102	5.058	5.058	0.000	95	221858	7.50	7.50	
13 Ethyl methanesulfonate	109	5.524	5.524	0.000	98	228493	7.50	7.02	
15 Benzaldehyde	77	5.979	5.979	0.000	92	578691	12.5	11.5	
$ 16 Phenol-d5	99	6.125	6.125	0.000	97	1058332	15.0	14.7	
18 Aniline	93	6.142	6.142	0.000	87	688552	7.50	6.96	
17 Phenol	94	6.142	6.142	0.000	82	590112	7.50	7.01	
19 Bis(2-chloroethyl)ether	93	6.264	6.264	0.000	95	449238	7.50	6.99	
20 2-Chlorophenol	128	6.305	6.305	0.000	95	492203	7.50	7.46	
22 1,3-Dichlorobenzene	146	6.533	6.533	0.000	99	561774	7.50	7.54	
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	94	236205	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.643	6.643	0.000	95	559448	7.50	7.43	
26 Benzyl alcohol	108	6.847	6.847	0.000	94	303309	7.50	7.36	
27 1,2-Dichlorobenzene	146	6.865	6.865	0.000	98	540261	7.50	7.57	
28 Indene	115	6.999	6.999	0.000	90	1437583	12.5	15.6	
30 2-Methylphenol	108	7.040	7.040	0.000	94	420230	7.50	7.31	
32 2,2'-oxybis[1-chloropropane]	45	7.069	7.069	0.000	93	726092	7.50	6.39	
33 N-Nitrosopyrrolidine	100	7.203	7.203	0.000	90	235867	7.50	7.62	
34 Acetophenone	105	7.238	7.238	0.000	96	634523	7.50	6.97	
35 N-Nitrosodi-n-propylamine	70	7.261	7.261	0.000	86	325701	7.50	7.23	
37 N-Nitrosomorpholine	56	7.273	7.273	0.000	92	323728	7.50	6.93	
36 4-Methylphenol	108	7.279	7.279	0.000	91	483275	7.50	7.94	
38 2-Toluidine	106	7.290	7.290	0.000	94	722866	7.50	7.30	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	7.372	7.372	0.000	95	218604	7.50	7.33	
$ 41 Nitrobenzene-d5	82	7.459	7.459	0.000	90	921262	15.0	14.2	
42 Nitrobenzene	77	7.483	7.483	0.000	88	468232	7.50	7.11	
43 N-Nitrosopiperidine	114	7.716	7.716	0.000	82	228604	7.50	7.33	
45 Isophorone	82	7.867	7.867	0.000	96	832199	7.50	7.41	M
46 2-Nitrophenol	139	7.978	7.978	0.000	87	260270	7.50	7.61	
48 2,4-Dimethylphenol	107	8.089	8.089	0.000	93	457144	7.50	7.46	
49 o,o',o''-Triethylphosphorothioat	198	8.211	8.211	0.000	82	240091	7.50	7.25	
51 Bis(2-chloroethoxy)methane	93	8.240	8.240	0.000	97	521882	7.50	6.90	
52 2,4-Dichlorophenol	162	8.357	8.357	0.000	92	407070	7.50	7.44	
53 1,2,4-Trichlorobenzene	180	8.479	8.479	0.000	94	460322	7.50	7.81	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	874799	5.00	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1417123	7.50	7.38	
29 Alpha-Terpineol	59	8.648	8.648	0.000	95	425238	NC	NC	
57 4-Chloroaniline	127	8.701	8.701	0.000	96	575836	7.50	7.89	
58 2,6-Dichlorophenol	162	8.713	8.713	0.000	97	402933	7.50	7.74	
39 p-Phenylene diamine	108	8.736	8.736	0.000	55	40535	NC	NC	
59 Hexachloropropene	213	8.736	8.736	0.000	87	324726	7.50	9.29	
60 Hexachlorobutadiene	225	8.817	8.817	0.000	96	269885	7.50	7.67	
62 Quinoline	129	9.115	9.115	0.000	97	894817	7.50	7.57	
63 Caprolactam	113	9.243	9.243	0.000	77	232102	12.5	12.0	
64 N-Nitrosodi-n-butylamine	84	9.272	9.272	0.000	92	292214	7.50	6.71	
66 4-Chloro-3-methylphenol	107	9.517	9.517	0.000	95	370950	7.50	7.15	
67 Safrole, Total	162	9.593	9.593	0.000	92	372465	7.50	7.53	
S 65 Diallate	86				0		7.50	7.08	
68 2-Methylnaphthalene	142	9.698	9.698	0.000	92	973119	7.50	7.72	
69 1-Methylnaphthalene	142	9.843	9.843	0.000	93	887339	7.50	7.46	
71 Hexachlorocyclopentadiene	237	9.960	9.960	0.000	94	339328	7.50	9.64	
72 1,2,4,5-Tetrachlorobenzene	216	9.960	9.960	0.000	96	452605	7.50	7.77	
73 Isosafrole Peak 1	162	10.059	10.059	0.000	94	68848	1.20	1.25	
74 2,4,6-Trichlorophenol	196	10.164	10.164	0.000	93	298269	7.50	7.76	
75 2,4,5-Trichlorophenol	196	10.216	10.216	0.000	95	317671	7.50	7.73	
$ 76 2-Fluorobiphenyl (Surr)	172	10.310	10.310	0.000	100	2099920	15.0	14.8	
77 Isosafrole Peak 2	162	10.420	10.420	0.000	94	384394	6.30	6.53	
78 1,1'-Biphenyl	154	10.455	10.455	0.000	96	1177227	7.50	7.24	
79 2-Chloronaphthalene	162	10.461	10.461	0.000	98	906094	7.50	7.53	
80 1-Chloronaphthalene	162	10.490	10.490	0.000	99	842435	7.50	7.71	
81 Phenyl ether	170	10.636	10.636	0.000	85	622865	7.50	7.46	
82 2-Nitroaniline	138	10.648	10.648	0.000	89	299661	7.50	7.77	
84 1,4-Naphthoquinone	158	10.758	10.758	0.000	93	356477	7.50	7.12	
85 1,4-Dinitrobenzene	168	10.887	10.887	0.000	96	157269	7.50	7.61	
86 Dimethyl phthalate	163	10.986	10.986	0.000	98	1005961	7.50	7.55	
87 1,3-Dinitrobenzene	168	10.997	10.997	0.000	87	180271	7.50	7.88	
88 2,6-Dinitrotoluene	165	11.061	11.061	0.000	95	238502	7.50	7.80	
89 Acenaphthylene	152	11.114	11.114	0.000	98	1445311	7.50	8.67	
90 3-Nitroaniline	138	11.312	11.312	0.000	92	249233	7.50	7.83	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	430091	5.00	5.00	
93 Acenaphthene	153	11.400	11.400	0.000	94	933690	7.50	7.52	
94 2,4-Dinitrophenol	184	11.481	11.481	0.000	87	291371	17.5	14.9	
96 Pentachlorobenzene	250	11.604	11.604	0.000	98	418200	7.50	8.02	
95 4-Nitrophenol	109	11.621	11.621	0.000	80	278953	15.0	14.5	
97 Dibenzofuran	168	11.662	11.662	0.000	97	1334283	7.50	7.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,4-Dinitrotoluene	165	11.679	11.679	0.000	94	305433	7.50	7.47	
99 1-Naphthylamine	143	11.778	11.778	0.000	98	912246	7.50	7.46	
101 2,3,4,6-Tetrachlorophenol	232	11.854	11.854	0.000	72	257737	7.50	8.29	
103 2-Naphthylamine	143	11.889	11.889	0.000	97	866621	7.50	7.33	
104 Diethyl phthalate	149	12.052	12.052	0.000	99	981882	7.50	7.35	
105 Fluorene	166	12.128	12.128	0.000	95	1048294	7.50	7.78	
106 Thionazin	107	12.146	12.146	0.000	80	165668	7.50	7.15	
108 4-Chlorophenyl phenyl ether	204	12.157	12.157	0.000	91	512447	7.50	7.89	
107 N-Nitro-o-toluidine	152	12.157	12.157	0.000	92	290684	7.50	7.94	
109 4-Nitroaniline	138	12.169	12.169	0.000	90	259933	7.50	7.63	
110 4,6-Dinitro-2-methylphenol	198	12.216	12.216	0.000	86	323030	15.0	13.0	
111 N-Nitrosodiphenylamine	169	12.303	12.303	0.000	61	733436	6.38	6.58	
112 1,2-Diphenylhydrazine	77	12.344	12.344	0.000	41	894047	7.50	7.22	
$ 113 2,4,6-Tribromophenol	330	12.420	12.420	0.000	93	332512	15.0	15.5	
114 Sulfotepp	97	12.530	12.530	0.000	80	150315	7.50	7.11	
172 1,3,5-Trinitrobenzene	213	12.635	12.635	0.000	87	129544	NC	NC	
115 cis-Diallate	86	12.658	12.658	0.000	93	289335	5.55	5.31	
116 Phorate	75	12.664	12.664	0.000	95	543498	7.50	7.35	
117 Phenacetin	108	12.693	12.693	0.000	96	478950	7.50	7.80	
118 4-Bromophenyl phenyl ether	248	12.734	12.734	0.000	63	294234	7.50	7.78	
119 trans-Diallate	86	12.758	12.758	0.000	91	96589	1.95	1.77	
120 Hexachlorobenzene	284	12.781	12.781	0.000	96	333657	7.50	7.67	
121 Dimethoate	87	12.857	12.857	0.000	95	373934	7.50	7.39	
122 Atrazine	200	12.967	12.967	0.000	94	483420	12.5	12.6	
123 Pentachlorophenol	266	13.032	13.032	0.000	93	387417	15.0	13.3	
124 Pentachloronitrobenzene	237	13.043	13.043	0.000	88	144857	7.50	8.46	
125 4-Aminobiphenyl	169	13.043	13.043	0.000	90	1142987	7.50	13.5	
126 Pronamide	173	13.148	13.148	0.000	90	476622	7.50	7.88	
* 127 Phenanthrene-d10	188	13.253	13.253	0.000	97	833951	5.00	5.00	
129 Phenanthrene	178	13.276	13.276	0.000	97	1489058	7.50	7.67	
128 Dinoseb	211	13.282	13.282	0.000	97	260705	7.50	7.29	
70 Disulfoton	88	13.300	13.300	0.000	98	494528	NC	NC	
130 Anthracene	178	13.346	13.346	0.000	97	1525717	7.50	7.82	
131 Carbazole	167	13.562	13.562	0.000	95	1409828	7.50	7.65	
132 Methyl parathion	109	13.760	13.760	0.000	94	333534	7.50	7.83	
133 Di-n-butyl phthalate	149	14.069	14.069	0.000	100	1776783	7.50	7.40	
134 Ethyl Parathion	109	14.296	14.296	0.000	83	208367	7.50	7.85	
135 4-Nitroquinoline-1-oxide	190	14.296	14.296	0.000	88	131243	7.50	5.48	
136 Octachlorostyrene	308	14.623	14.623	0.000	93	133920	7.50	7.11	
137 Isodrin	193	14.664	14.664	0.000	95	177614	7.50	7.44	
138 Fluoranthene	202	14.879	14.879	0.000	97	1706337	7.50	7.61	
139 Benzidine	184	15.112	15.112	0.000	99	3232096	22.5	20.6	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	873335	5.00	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	1768484	7.50	7.32	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	99	2455247	15.0	14.0	
143 p-Dimethylamino azobenzene	225	15.724	15.724	0.000	93	330007	7.50	8.21	
100 Famphur	218	15.823	15.823	0.000	54	3798	NC	NC	
144 Chlorobenzilate	139	15.823	15.823	0.000	91	531694	7.50	7.60	
145 3,3'-Dimethylbenzidine	212	16.278	16.278	0.000	99	932109	7.50	5.94	
146 Butyl benzyl phthalate	149	16.342	16.342	0.000	96	771396	7.50	7.05	
147 2-Acetylaminofluorene	181	16.692	16.692	0.000	94	674071	7.50	7.53	
148 Benzo[a]anthracene	228	17.182	17.182	0.000	98	1565969	7.50	7.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 3,3'-Dichlorobenzidine	252	17.187	17.187	0.000	73	626670	7.50	7.37	
150 4,4'-Methylene bis(2-chloroani	231	17.211	17.211	0.000	93	337407	7.50	7.71	
151 Chrysene	228	17.246	17.246	0.000	97	1587246	7.50	7.64	
152 Bis(2-ethylhexyl) phthalate	149	17.403	17.403	0.000	96	1091279	7.50	6.96	
153 6-Methylchrysene	242	18.038	18.038	0.000	99	1122567	7.50	7.17	
154 Di-n-octyl phthalate	149	18.551	18.551	0.000	99	1876569	7.50	6.77	
155 Benzo[b]fluoranthene	252	19.018	19.018	0.000	97	1676245	7.50	7.36	
156 7,12-Dimethylbenz(a)anthracene	256	19.023	19.023	0.000	93	779633	7.50	7.54	
157 Benzo[k]fluoranthene	252	19.064	19.064	0.000	99	1712767	7.50	7.83	
158 Benzo[a]pyrene	252	19.536	19.536	0.000	77	1445609	7.50	6.93	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	916761	5.00	5.00	
160 3-Methylcholanthrene	268	20.107	20.107	0.000	92	876826	7.50	8.15	
161 Dibenz[a,h]acridine	279	20.912	20.912	0.000	91	1291813	7.50	7.44	
162 Dibenz[a,j]acridine	279	20.988	20.988	0.000	96	1393425	7.50	7.66	
163 Indeno[1,2,3-cd]pyrene	276	21.221	21.221	0.000	99	1486403	7.50	7.34	
164 Dibenz(a,h)anthracene	278	21.262	21.262	0.000	92	1609569	7.50	7.63	
165 Benzo[g,h,i]perylene	276	21.576	21.576	0.000	98	1618468	7.50	7.54	
S 166 Isosafrole	162				0		7.50	7.78	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_5_00014 Amount Added: 1.00 Units: mL

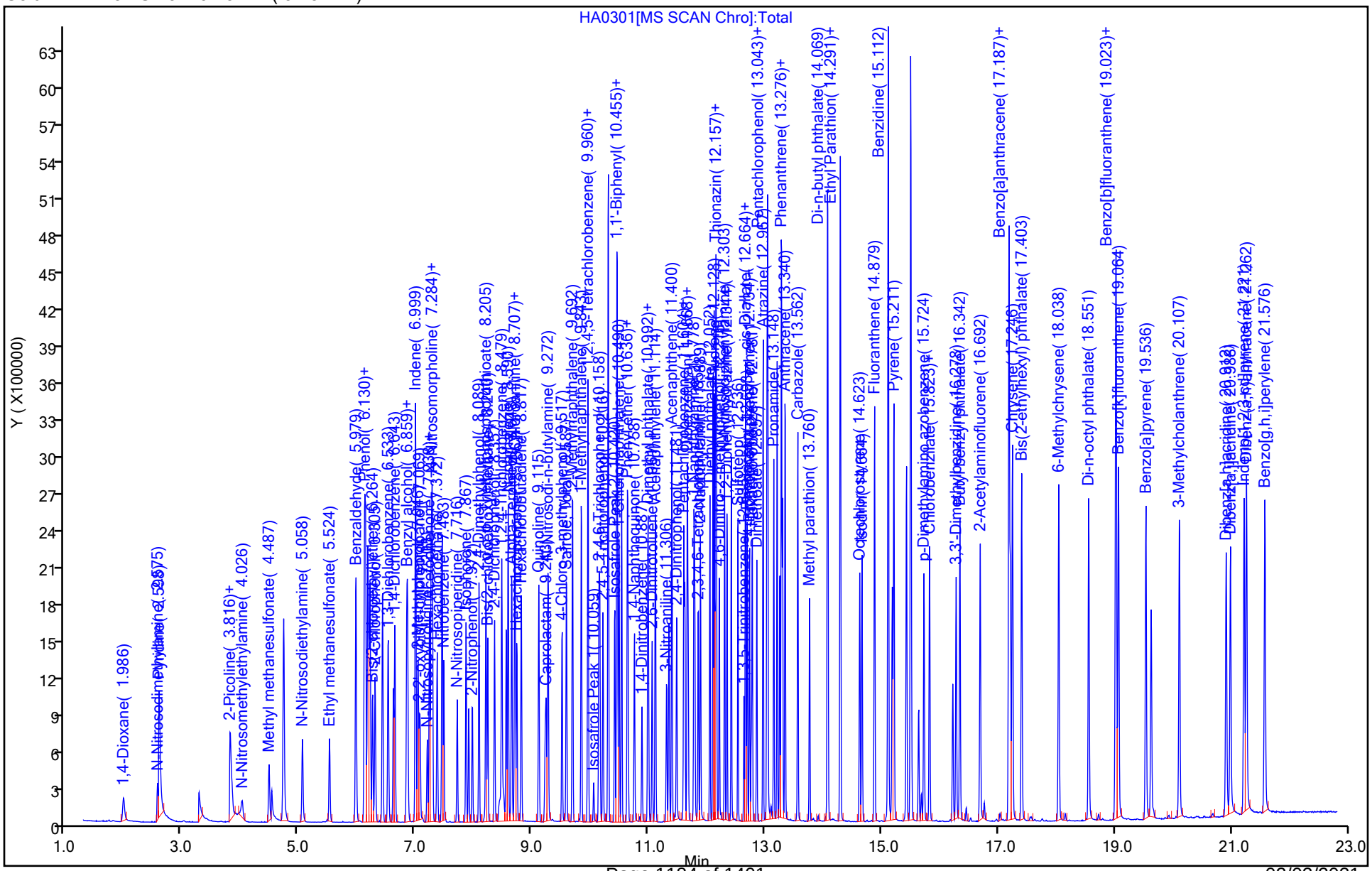
Report Date: 08-Jan-2021 02:45:10 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0301.D

Injection Date:	07-Jan-2021 08:52:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	CCVIS L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-83166/2 Calibration Date: 01/07/2021 22:20

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0351.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5187	0.5137		7.43	7.50	-1.0	20.0
N-Nitrosodimethylamine	Ave	0.8005	0.7637		7.15	7.50	-4.6	20.0
Pyridine	Ave	1.427	1.208		12.7	15.0	-15.3	20.0
2-Picoline	Ave	1.493	1.436		7.22	7.50	-3.8	20.0
N-Nitrosomethylethylamine	Ave	0.6140	0.6074		7.42	7.50	-1.1	20.0
Methyl methanesulfonate	Ave	0.5975	0.7340		9.21	7.50	22.8*	20.0
N-Nitrosodiethylamine	Ave	0.6261	0.6365		7.62	7.50	1.7	20.0
Ethyl methanesulfonate	Ave	0.6891	0.6502		7.08	7.50	-5.7	20.0
Benzaldehyde	Ave	1.062	0.9834	0.0100	11.6	12.5	-7.4	20.0
Aniline	Ave	2.093	1.968		7.05	7.50	-6.0	20.0
Phenol	Ave	1.781	1.703	0.8000	7.17	7.50	-4.4	20.0
Bis(2-chloroethyl)ether	Ave	1.361	1.312	0.7000	7.23	7.50	-3.6	20.0
2-Chlorophenol	Ave	1.396	1.391	0.8000	7.47	7.50	-0.3	20.0
1,3-Dichlorobenzene	Ave	1.578	1.613		7.67	7.50	2.3	20.0
1,4-Dichlorobenzene	Ave	1.593	1.629		7.67	7.50	2.3	20.0
Benzyl alcohol	Ave	0.8726	0.8782		7.55	7.50	0.6	20.0
1,2-Dichlorobenzene	Ave	1.510	1.548		7.69	7.50	2.5	20.0
Indene	Ave	1.952	2.475		15.9	12.5	26.8*	20.0
2-Methylphenol	Ave	1.218	1.213	0.7000	7.47	7.50	-0.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.407	2.083	0.0100	6.49	7.50	-13.5	20.0
N-Nitrosopyrrolidine	Ave	0.6551	0.6834		7.82	7.50	4.3	20.0
Acetophenone	Ave	1.926	1.804	0.0100	7.02	7.50	-6.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.9538	0.9242	0.5000	7.27	7.50	-3.1	20.0
N-Nitrosomorpholine	Ave	0.9887	0.9306		7.06	7.50	-5.9	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.289	1.384	0.6000	8.05	7.50	7.4	20.0
o-Toluidine	Ave	2.095	2.085		7.46	7.50	-0.5	20.0
Hexachloroethane	Ave	0.6312	0.6254	0.3000	7.43	7.50	-0.9	20.0
Nitrobenzene	Ave	0.3766	0.3514	0.2000	7.00	7.50	-6.7	20.0
N-Nitrosopiperidine	Ave	0.1782	0.1747		7.35	7.50	-2.0	20.0
Isophorone	Ave	0.6415	0.6412	0.4000	7.50	7.50	-0.0	20.0
2-Nitrophenol	Ave	0.1954	0.2011	0.1000	7.72	7.50	2.9	20.0
2,4-Dimethylphenol	Ave	0.3505	0.3477	0.2000	7.44	7.50	-0.8	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1892	0.1869		7.41	7.50	-1.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4322	0.3913	0.3000	6.79	7.50	-9.5	20.0
2,4-Dichlorophenol	Ave	0.3128	0.3119	0.2000	7.48	7.50	-0.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3470		7.73	7.50	3.0	20.0
Naphthalene	Ave	1.097	1.074	0.7000	7.34	7.50	-2.1	20.0
4-Chloroaniline	Ave	0.4171	0.4450	0.0100	8.00	7.50	6.7	20.0
2,6-Dichlorophenol	Ave	0.2976	0.3088		7.78	7.50	3.8	20.0
Hexachloropropene	Ave	0.1997	0.2470		9.28	7.50	23.7*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-83166/2 Calibration Date: 01/07/2021 22:20

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0351.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.2010	0.2078	0.0100	7.75	7.50	3.3	20.0
Quinoline	Ave	0.6758	0.6849		7.60	7.50	1.3	20.0
Caprolactam	Ave	0.1105	0.1063	0.0100	12.0	12.5	-3.8	20.0
N-Nitrosodi-n-butylamine	Ave	0.2490	0.2253		6.78	7.50	-9.5	20.0
4-Chloro-3-methylphenol	Ave	0.2965	0.2917	0.2000	7.38	7.50	-1.6	20.0
Safrole, Total	Ave	0.2826	0.2828		7.50	7.50	0.0	20.0
2-Methylnaphthalene	Ave	0.7204	0.7378	0.4000	7.68	7.50	2.4	20.0
1-Methylnaphthalene	Ave	0.6795	0.6798		7.50	7.50	0.0	20.0
Hexachlorocyclopentadiene	Ave	0.4094	0.5300	0.0500	9.71	7.50	29.5*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6771	0.7013	0.0100	7.77	7.50	3.6	20.0
Isosafrole Peak 1	Ave	0.6415	0.6356		1.19	1.20	-0.9	20.0
2,4,6-Trichlorophenol	Ave	0.4470	0.4612	0.2000	7.74	7.50	3.2	20.0
2,4,5-Trichlorophenol	Ave	0.4775	0.5056	0.2000	7.94	7.50	5.9	20.0
Isosafrole Peak 2	Ave	0.6840	0.7168		6.60	6.30	4.8	20.0
1,1'-Biphenyl	Ave	1.890	1.830	0.0100	7.26	7.50	-3.2	20.0
2-Chloronaphthalene	Ave	1.399	1.408	0.8000	7.55	7.50	0.6	20.0
1-Chloronaphthalene	Ave	1.271	1.312		7.74	7.50	3.3	20.0
Diphenyl ether	Ave	0.9707	0.9658		7.46	7.50	-0.5	20.0
2-Nitroaniline	Ave	0.4482	0.4750	0.0100	7.95	7.50	6.0	20.0
1,4-Naphthoquinone	Ave	0.5821	0.5493		7.08	7.50	-5.6	20.0
1,4-Dinitrobenzene	Ave	0.2403	0.2480		7.74	7.50	3.2	20.0
Dimethyl phthalate	Ave	1.550	1.553	0.0100	7.52	7.50	0.2	20.0
1,3-Dinitrobenzene	Ave	0.2661	0.2831		7.98	7.50	6.4	20.0
2,6-Dinitrotoluene	Ave	0.3553	0.3730	0.2000	7.87	7.50	5.0	20.0
Acenaphthylene	Ave	1.937	2.251	0.9000	8.72	7.50	16.2	20.0
3-Nitroaniline	Ave	0.3701	0.3948	0.0100	8.00	7.50	6.7	20.0
Acenaphthene	Ave	1.443	1.453	0.9000	7.55	7.50	0.7	20.0
2,4-Dinitrophenol	Ave	0.2279	0.2107	0.0100	16.2	17.5	-7.5	20.0
Pentachlorobenzene	Ave	0.6061	0.6543		8.10	7.50	8.0	20.0
4-Nitrophenol	Ave	0.2233	0.2227	0.0100	15.0	15.0	-0.3	20.0
Dibenzofuran	Ave	1.981	2.068	0.8000	7.83	7.50	4.4	20.0
2,4-Dinitrotoluene	Ave	0.4754	0.4858	0.2000	7.66	7.50	2.2	20.0
1-Naphthylamine	Ave	1.421	1.444		7.62	7.50	1.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3616	0.4057	0.0100	8.41	7.50	12.2	20.0
2-Naphthylamine	Ave	1.374	1.385		7.56	7.50	0.8	20.0
Diethyl phthalate	Ave	1.552	1.537	0.0100	7.43	7.50	-1.0	20.0
Fluorene	Ave	1.566	1.637	0.9000	7.84	7.50	4.5	20.0
Thionazin	Ave	0.2692	0.2599		7.24	7.50	-3.5	20.0
4-Chlorophenyl-phenyl ether	Ave	0.7547	0.7827	0.4000	7.78	7.50	3.7	20.0
5-Nitro-o-toluidine	Ave	0.4256	0.4557		8.03	7.50	7.1	20.0
4-Nitroaniline	Ave	0.3959	0.4067	0.0100	7.71	7.50	2.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-83166/2 Calibration Date: 01/07/2021 22:20

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0351.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,6-Dinitro-2-methylphenol	Ave	0.1486	0.1314	0.0100	13.3	15.0	-11.6	20.0
N-Nitrosodiphenylamine	Ave	0.6682	0.6865	0.0100	6.55	6.38	2.7	20.0
1,2-Diphenylhydrazine	Ave	0.7423	0.7166		7.24	7.50	-3.5	20.0
Sulfotepp	Ave	0.1268	0.1182		6.99	7.50	-6.8	20.0
cis-Diallate	Ave	0.3266	0.3085		5.24	5.55	-5.5	20.0
Phorate	Ave	0.4436	0.4176		7.06	7.50	-5.9	20.0
Phenacetin	Ave	0.3680	0.3792		7.73	7.50	3.0	20.0
4-Bromophenyl-phenylether	Ave	0.2267	0.2324	0.1000	7.69	7.50	2.5	20.0
trans-Diallate	Ave	0.3265	0.2916		1.74	1.95	-10.7	20.0
Hexachlorobenzene	Ave	0.2608	0.2643	0.1000	7.60	7.50	1.3	20.0
Dimethoate	Ave	0.3033	0.2961		7.32	7.50	-2.4	20.0
Atrazine	Ave	0.2299	0.2303	0.0100	12.5	12.5	0.2	20.0
Pentachlorophenol	Ave	0.1743	0.1588	0.0500	13.7	15.0	-8.9	20.0
4-Aminobiphenyl	Ave	0.5068	0.9080		13.4	7.50	79.2*	20.0
Pentachloronitrobenzene	Ave	0.1027	0.1146		8.37	7.50	11.6	20.0
Pronamide	Ave	0.3628	0.3819		7.89	7.50	5.3	20.0
Dinoseb	Ave	0.2144	0.2112		7.39	7.50	-1.5	20.0
Phenanthrene	Ave	1.163	1.176	0.7000	7.58	7.50	1.1	20.0
Anthracene	Ave	1.170	1.214	0.7000	7.78	7.50	3.8	20.0
Carbazole	Ave	1.105	1.125	0.0100	7.64	7.50	1.8	20.0
Methyl parathion	Ave	0.2555	0.2681		7.87	7.50	4.9	20.0
Di-n-butyl phthalate	Ave	1.440	1.398	0.0100	7.28	7.50	-2.9	20.0
4-Nitroquinoline-1-oxide	Ave	0.1436	0.1044		5.46	7.50	-27.3*	20.0
Parathion	Ave	0.1592	0.1682		7.93	7.50	5.7	20.0
Octachlorostyrene	Ave	0.1130	0.1088		7.22	7.50	-3.7	20.0
Isodrin	Ave	0.1432	0.1413		7.40	7.50	-1.4	20.0
Fluoranthene	Ave	1.344	1.355	0.6000	7.56	7.50	0.8	20.0
Benzidine	Ave	0.8997	0.8359		20.9	22.5	-7.1	20.0
Pyrene	Ave	1.383	1.363	0.6000	7.39	7.50	-1.4	20.0
p-Dimethylamino azobenzene	Ave	0.2301	0.2552		8.32	7.50	10.9	20.0
Chlorobenzilate	Ave	0.4007	0.4156		7.78	7.50	3.7	20.0
3,3'-Dimethylbenzidine	Ave	0.8987	0.7358			7.50	-18.1	20.0
Butylbenzylphthalate	Ave	0.6263	0.5984	0.0100	7.17	7.50	-4.5	20.0
2-Acetylaminofluorene	Ave	0.5125	0.5186		7.59	7.50	1.2	20.0
Benzo[a]anthracene	Ave	1.177	1.211	0.8000	7.71	7.50	2.8	20.0
3,3'-Dichlorobenzidine	Ave	0.4871	0.4898	0.0100	7.54	7.50	0.6	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2505	0.2620			7.50	4.6	20.0
Chrysene	Ave	1.190	1.230	0.7000	7.75	7.50	3.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8973	0.8516	0.0100	7.12	7.50	-5.1	20.0
6-Methylchrysene	Ave	0.8960	0.8742		7.32	7.50	-2.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-83166/2 Calibration Date: 01/07/2021 22:20

Instrument ID: HP18831 Calib Start Date: 11/24/2020 22:09

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 11/25/2020 02:20

Lab File ID: HA0351.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.512	1.402	0.0100	6.96	7.50	-7.2	20.0
Benzo[b]fluoranthene	Ave	1.242	1.233	0.7000	7.45	7.50	-0.7	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5636	0.5804		7.72	7.50	3.0	20.0
Benzo[k]fluoranthene	Ave	1.193	1.248	0.7000	7.84	7.50	4.6	20.0
Benzo[a]pyrene	Ave	1.138	1.072	0.7000	7.06	7.50	-5.8	20.0
3-Methylcholanthrene	Ave	0.5870	0.6495		8.30	7.50	10.6	20.0
Dibenz[a,h]acridine	Ave	0.9467	0.9434		7.47	7.50	-0.4	20.0
Dibenz[a,j]acridine	Ave	0.9918	1.017		7.69	7.50	2.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.105	1.070	0.5000	7.27	7.50	-3.1	20.0
Dibenz(a,h)anthracene	Ave	1.151	1.152	0.4000	7.51	7.50	0.0	20.0
Benzo[g,h,i]perylene	Ave	1.170	1.171	0.5000	7.51	7.50	0.0	20.0
2-Fluorophenol (Surr)	Ave	1.301	1.226		14.1	15.0	-5.8	20.0
Phenol-d5 (Surr)	Ave	1.529	1.524		15.0	15.0	-0.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3700	0.3490		14.2	15.0	-5.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.648	1.628		14.8	15.0	-1.2	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2499	0.2674		16.0	15.0	7.0	20.0
p-Terphenyl-d14 (Surr)	Ave	1.002	0.9527		14.3	15.0	-4.9	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0351.D
Lims ID: CCVIS L5
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jan-2021 22:20:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0019498-002
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub17

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 10:22:22 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1619

First Level Reviewer: williamss Date: 07-Jan-2021 22:56:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.992	1.992	0.000	98	174857	7.50	7.43	
2 N-Nitrosodimethylamine	74	2.575	2.575	0.000	92	259944	7.50	7.15	
3 Pyridine	79	2.604	2.604	0.000	87	822612	15.0	12.7	
5 2-Picoline	93	3.816	3.816	0.000	91	488894	7.50	7.22	
4 Dimethylformamide	73	3.834	3.834	0.000	1	248	NC	NC	
6 N-Nitrosomethylethylamine	88	4.026	4.026	0.000	97	206770	7.50	7.42	
9 Methyl methanesulfonate	80	4.487	4.487	0.000	87	249849	7.50	9.21	
$ 10 2-Fluorophenol	112	4.737	4.737	0.000	93	834539	15.0	14.1	
11 N-Nitrosodiethylamine	102	5.058	5.058	0.000	95	216679	7.50	7.62	
13 Ethyl methanesulfonate	109	5.524	5.524	0.000	98	221320	7.50	7.08	
15 Benzaldehyde	77	5.979	5.979	0.000	92	557910	12.5	11.6	
$ 16 Phenol-d5	99	6.125	6.125	0.000	98	1037248	15.0	15.0	
18 Aniline	93	6.142	6.142	0.000	86	669803	7.50	7.05	
17 Phenol	94	6.142	6.142	0.000	87	579658	7.50	7.17	
19 Bis(2-chloroethyl)ether	93	6.264	6.264	0.000	95	446612	7.50	7.23	
20 2-Chlorophenol	128	6.305	6.305	0.000	95	473493	7.50	7.47	
22 1,3-Dichlorobenzene	146	6.527	6.527	0.000	98	549151	7.50	7.67	
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	94	226931	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.643	6.643	0.000	95	554476	7.50	7.67	
26 Benzyl alcohol	108	6.847	6.847	0.000	93	298945	7.50	7.55	
27 1,2-Dichlorobenzene	146	6.865	6.865	0.000	98	526904	7.50	7.69	
28 Indene	115	6.999	6.999	0.000	90	1404334	12.5	15.9	
30 2-Methylphenol	108	7.040	7.040	0.000	94	412899	7.50	7.47	
32 2,2'-oxybis[1-chloropropane]	45	7.075	7.075	0.000	93	708895	7.50	6.49	
33 N-Nitrosopyrrolidine	100	7.203	7.203	0.000	90	232623	7.50	7.82	
34 Acetophenone	105	7.238	7.238	0.000	96	614059	7.50	7.02	
35 N-Nitrosodi-n-propylamine	70	7.267	7.267	0.000	90	314606	7.50	7.27	
37 N-Nitrosomorpholine	56	7.273	7.273	0.000	92	316765	7.50	7.06	
36 4-Methylphenol	108	7.279	7.279	0.000	90	471111	7.50	8.05	
38 2-Toluidine	106	7.290	7.290	0.000	94	709802	7.50	7.46	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	7.372	7.372	0.000	95	212898	7.50	7.43	
$ 41 Nitrobenzene-d5	82	7.459	7.459	0.000	90	901601	15.0	14.2	
42 Nitrobenzene	77	7.483	7.483	0.000	89	453906	7.50	7.00	
43 N-Nitrosopiperidine	114	7.716	7.716	0.000	82	225610	7.50	7.35	
45 Isophorone	82	7.867	7.867	0.000	96	828225	7.50	7.50	
46 2-Nitrophenol	139	7.978	7.978	0.000	87	259810	7.50	7.72	
48 2,4-Dimethylphenol	107	8.089	8.089	0.000	93	449070	7.50	7.44	
49 o,o',o''-Triethylphosphorothioat	198	8.211	8.211	0.000	84	241459	7.50	7.41	
51 Bis(2-chloroethoxy)methane	93	8.240	8.240	0.000	98	505453	7.50	6.79	
52 2,4-Dichlorophenol	162	8.357	8.357	0.000	92	402826	7.50	7.48	
53 1,2,4-Trichlorobenzene	180	8.479	8.479	0.000	94	448171	7.50	7.73	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	861100	5.00	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1387633	7.50	7.34	
29 Alpha-Terpineol	59	8.648	8.648	0.000	94	421840	NC	NC	
57 4-Chloroaniline	127	8.701	8.701	0.000	97	574739	7.50	8.00	
58 2,6-Dichlorophenol	162	8.713	8.713	0.000	97	398880	7.50	7.78	
39 p-Phenylene diamine	108	8.736	8.736	0.000	47	42037	NC	NC	
59 Hexachloropropene	213	8.736	8.736	0.000	87	319044	7.50	9.28	
60 Hexachlorobutadiene	225	8.817	8.817	0.000	96	268352	7.50	7.75	
62 Quinoline	129	9.115	9.115	0.000	97	884626	7.50	7.60	
63 Caprolactam	113	9.243	9.243	0.000	76	228853	12.5	12.0	
64 N-Nitrosodi-n-butylamine	84	9.278	9.278	0.000	95	290965	7.50	6.78	
66 4-Chloro-3-methylphenol	107	9.517	9.517	0.000	95	376772	7.50	7.38	
67 Safrole, Total	162	9.593	9.593	0.000	93	365216	7.50	7.50	
S 65 Diallate	86				0		7.50	6.98	
68 2-Methylnaphthalene	142	9.692	9.692	0.000	92	953043	7.50	7.68	
69 1-Methylnaphthalene	142	9.843	9.843	0.000	93	878081	7.50	7.50	
71 Hexachlorocyclopentadiene	237	9.960	9.960	0.000	96	335597	7.50	9.71	
72 1,2,4,5-Tetrachlorobenzene	216	9.966	9.966	0.000	96	444036	7.50	7.77	
73 Isosafrole Peak 1	162	10.059	10.059	0.000	92	64397	1.20	1.19	
74 2,4,6-Trichlorophenol	196	10.164	10.164	0.000	92	292015	7.50	7.74	
75 2,4,5-Trichlorophenol	196	10.216	10.216	0.000	95	320131	7.50	7.94	
$ 76 2-Fluorobiphenyl (Surr)	172	10.310	10.310	0.000	100	2061829	15.0	14.8	
77 Isosafrole Peak 2	162	10.420	10.420	0.000	94	381240	6.30	6.60	
78 1,1'-Biphenyl	154	10.455	10.455	0.000	95	1158793	7.50	7.26	
79 2-Chloronaphthalene	162	10.461	10.461	0.000	98	891303	7.50	7.55	
80 1-Chloronaphthalene	162	10.490	10.490	0.000	98	830887	7.50	7.74	
81 Phenyl ether	170	10.636	10.636	0.000	86	611527	7.50	7.46	
82 2-Nitroaniline	138	10.648	10.648	0.000	88	300738	7.50	7.95	
84 1,4-Naphthoquinone	158	10.758	10.758	0.000	91	347835	7.50	7.08	
85 1,4-Dinitrobenzene	168	10.887	10.887	0.000	95	157060	7.50	7.74	
86 Dimethyl phthalate	163	10.992	10.992	0.000	98	983580	7.50	7.52	
87 1,3-Dinitrobenzene	168	10.997	10.997	0.000	87	179223	7.50	7.98	
88 2,6-Dinitrotoluene	165	11.061	11.061	0.000	94	236154	7.50	7.87	
89 Acenaphthylene	152	11.114	11.114	0.000	98	1425575	7.50	8.72	
90 3-Nitroaniline	138	11.312	11.312	0.000	92	249979	7.50	8.00	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	422121	5.00	5.00	
93 Acenaphthene	153	11.400	11.400	0.000	94	919796	7.50	7.55	
94 2,4-Dinitrophenol	184	11.481	11.481	0.000	88	311312	17.5	16.2	
96 Pentachlorobenzene	250	11.604	11.604	0.000	98	414303	7.50	8.10	
95 4-Nitrophenol	109	11.621	11.621	0.000	82	281984	15.0	15.0	
97 Dibenzofuran	168	11.668	11.668	0.000	96	1309373	7.50	7.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,4-Dinitrotoluene	165	11.679	11.679	0.000	93	307580	7.50	7.66	
99 1-Naphthylamine	143	11.778	11.778	0.000	98	914411	7.50	7.62	
101 2,3,4,6-Tetrachlorophenol	232	11.854	11.854	0.000	72	256866	7.50	8.41	
103 2-Naphthylamine	143	11.889	11.889	0.000	97	877184	7.50	7.56	
104 Diethyl phthalate	149	12.052	12.052	0.000	99	973499	7.50	7.43	
105 Fluorene	166	12.128	12.128	0.000	94	1036408	7.50	7.84	
106 Thionazin	107	12.146	12.146	0.000	79	164559	7.50	7.24	
108 4-Chlorophenyl phenyl ether	204	12.157	12.157	0.000	91	495571	7.50	7.78	
107 N-Nitro-o-toluidine	152	12.157	12.157	0.000	85	288549	7.50	8.03	
109 4-Nitroaniline	138	12.169	12.169	0.000	86	257543	7.50	7.71	
110 4,6-Dinitro-2-methylphenol	198	12.216	12.216	0.000	85	329549	15.0	13.3	
111 N-Nitrosodiphenylamine	169	12.303	12.303	0.000	61	731801	6.38	6.55	
112 1,2-Diphenylhydrazine	77	12.344	12.344	0.000	41	898797	7.50	7.24	
$ 113 2,4,6-Tribromophenol	330	12.420	12.420	0.000	93	338579	15.0	16.0	
114 Sulfotepp	97	12.530	12.530	0.000	82	148263	7.50	6.99	
172 1,3,5-Trinitrobenzene	213	12.641	12.641	0.000	87	126655	NC	NC	
115 cis-Diallate	86	12.658	12.658	0.000	93	286308	5.55	5.24	
116 Phorate	75	12.664	12.664	0.000	94	523700	7.50	7.06	
117 Phenacetin	108	12.693	12.693	0.000	96	475549	7.50	7.73	
118 4-Bromophenyl phenyl ether	248	12.734	12.734	0.000	63	291507	7.50	7.69	
119 trans-Diallate	86	12.763	12.763	0.000	92	95101	1.95	1.74	
120 Hexachlorobenzene	284	12.781	12.781	0.000	95	331464	7.50	7.60	
121 Dimethoate	87	12.857	12.857	0.000	94	371310	7.50	7.32	
122 Atrazine	200	12.967	12.967	0.000	94	481438	12.5	12.5	
123 Pentachlorophenol	266	13.032	13.032	0.000	94	398199	15.0	13.7	
124 Pentachloronitrobenzene	237	13.043	13.043	0.000	88	143729	7.50	8.37	
125 4-Aminobiphenyl	169	13.043	13.043	0.000	90	1138843	7.50	13.4	
126 Pronamide	173	13.148	13.148	0.000	90	478950	7.50	7.89	
* 127 Phenanthrene-d10	188	13.253	13.253	0.000	97	836112	5.00	5.00	
129 Phenanthrene	178	13.282	13.282	0.000	96	1475350	7.50	7.58	
128 Dinoseb	211	13.282	13.282	0.000	67	264925	7.50	7.39	
70 Disulfoton	88	13.300	13.300	0.000	98	558343	NC	NC	
130 Anthracene	178	13.346	13.346	0.000	97	1522797	7.50	7.78	
131 Carbazole	167	13.562	13.562	0.000	96	1410992	7.50	7.64	
132 Methyl parathion	109	13.760	13.760	0.000	94	336245	7.50	7.87	
133 Di-n-butyl phthalate	149	14.069	14.069	0.000	100	1753625	7.50	7.28	
134 Ethyl Parathion	109	14.296	14.296	0.000	83	210999	7.50	7.93	
135 4-Nitroquinoline-1-oxide	190	14.296	14.296	0.000	79	130960	7.50	5.46	
136 Octachlorostyrene	308	14.623	14.623	0.000	93	136412	7.50	7.22	
137 Isodrin	193	14.664	14.664	0.000	95	177171	7.50	7.40	
138 Fluoranthene	202	14.879	14.879	0.000	97	1699430	7.50	7.56	
139 Benzidine	184	15.112	15.112	0.000	99	3230726	22.5	20.9	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	100	858888	5.00	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	1755715	7.50	7.39	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	99	2454792	15.0	14.3	
143 p-Dimethylamino azobenzene	225	15.724	15.724	0.000	94	328729	7.50	8.32	
100 Famphur	218	15.823	15.823	0.000	53	3356	NC	NC	
144 Chlorobenzilate	139	15.823	15.823	0.000	92	535474	7.50	7.78	
145 3,3'-Dimethylbenzidine	212	16.278	16.278	0.000	99	947966	7.50	6.14	
146 Butyl benzyl phthalate	149	16.342	16.342	0.000	96	770933	7.50	7.17	
147 2-Acetylaminofluorene	181	16.692	16.692	0.000	94	668193	7.50	7.59	
148 Benzo[a]anthracene	228	17.182	17.182	0.000	98	1560146	7.50	7.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 3,3'-Dichlorobenzidine	252	17.187	17.187	0.000	73	630991	7.50	7.54	
150 4,4'-Methylene bis(2-chloroanil	231	17.211	17.211	0.000	97	337492	7.50	7.84	
151 Chrysene	228	17.246	17.246	0.000	97	1584448	7.50	7.75	
152 Bis(2-ethylhexyl) phthalate	149	17.403	17.403	0.000	97	1097110	7.50	7.12	
153 6-Methylchrysene	242	18.038	18.038	0.000	98	1126299	7.50	7.32	
154 Di-n-octyl phthalate	149	18.551	18.551	0.000	99	1904143	7.50	6.96	
155 Benzo[b]fluoranthene	252	19.018	19.018	0.000	97	1674700	7.50	7.45	
156 7,12-Dimethylbenz(a)anthracene	256	19.023	19.023	0.000	93	788233	7.50	7.72	
157 Benzo[k]fluoranthene	252	19.064	19.064	0.000	99	1694595	7.50	7.84	
158 Benzo[a]pyrene	252	19.536	19.536	0.000	77	1455670	7.50	7.06	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	905421	5.00	5.00	
160 3-Methylcholanthrene	268	20.113	20.113	0.000	92	882084	7.50	8.30	
161 Dibenz[a,h]acridine	279	20.918	20.918	0.000	90	1281255	7.50	7.47	
162 Dibenz[a,j]acridine	279	20.988	20.988	0.000	96	1380659	7.50	7.69	
163 Indeno[1,2,3-cd]pyrene	276	21.221	21.221	0.000	99	1453796	7.50	7.27	M
164 Dibenz(a,h)anthracene	278	21.262	21.262	0.000	92	1564425	7.50	7.51	
165 Benzo[g,h,i]perylene	276	21.576	21.576	0.000	98	1590616	7.50	7.51	M
S 166 Isosafrole	162				0		7.50	7.79	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_5_00014 Amount Added: 1.00 Units: mL

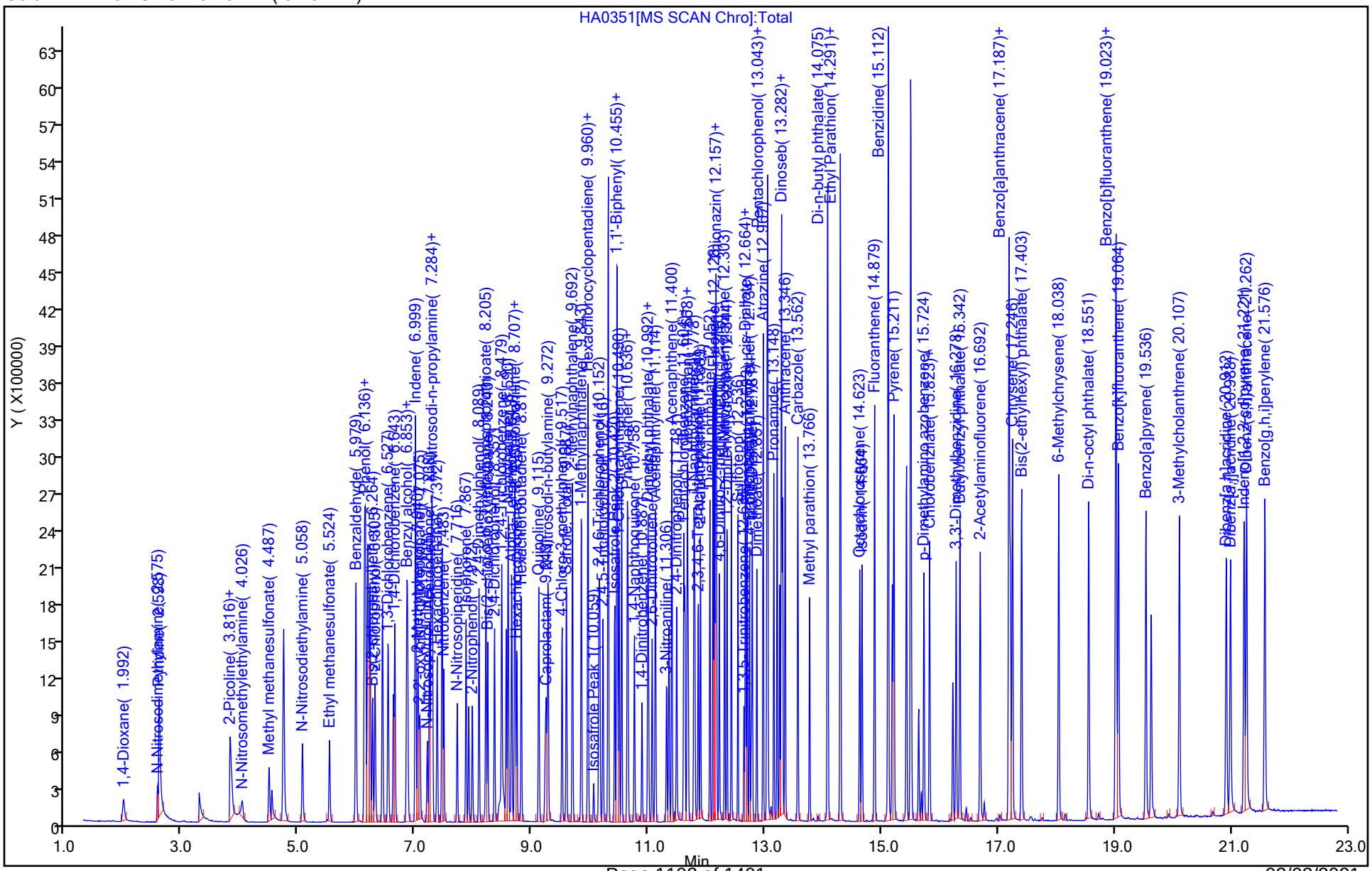
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	07-Jan-2021 22:20:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	CCVIS L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

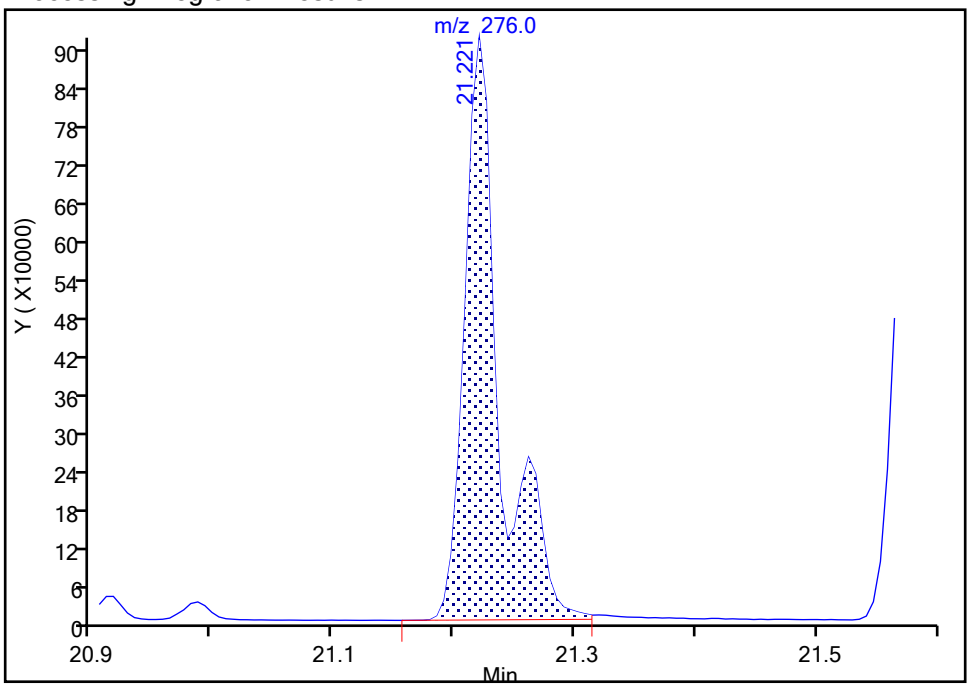
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Injection Date:	07-Jan-2021 22:20:30	Instrument ID:	HP18831		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

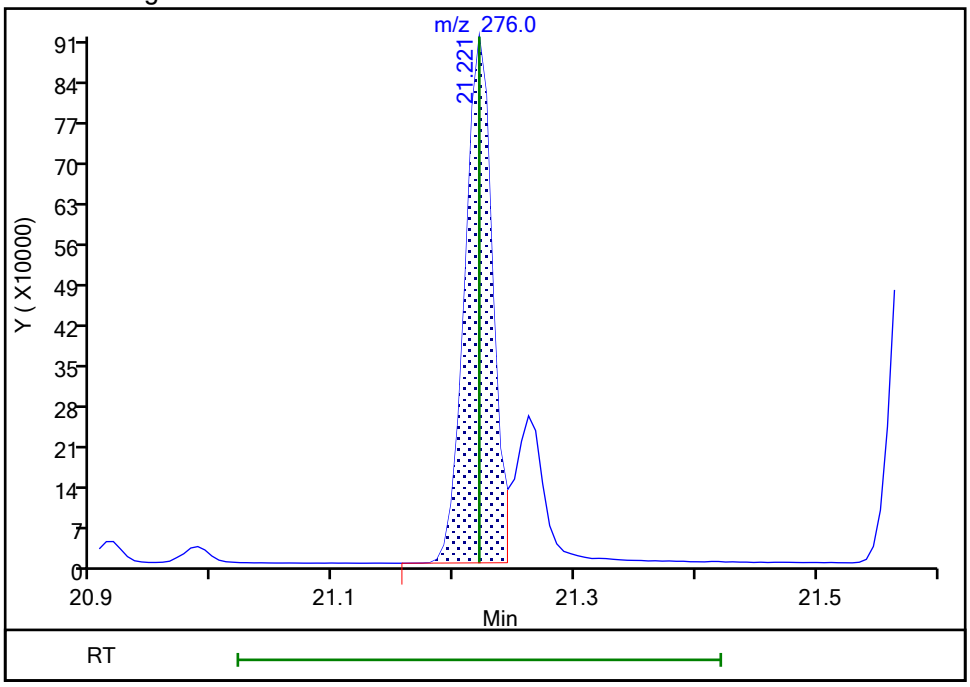
Processing Integration Results

RT: 21.22
Area: 1873749
Amount: 9.366180
Amount Units: ug/ml



Manual Integration Results

RT: 21.22
Area: 1453796
Amount: 7.266990
Amount Units: ug/ml



Reviewer: williamss, 07-Jan-2021 22:50:07

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

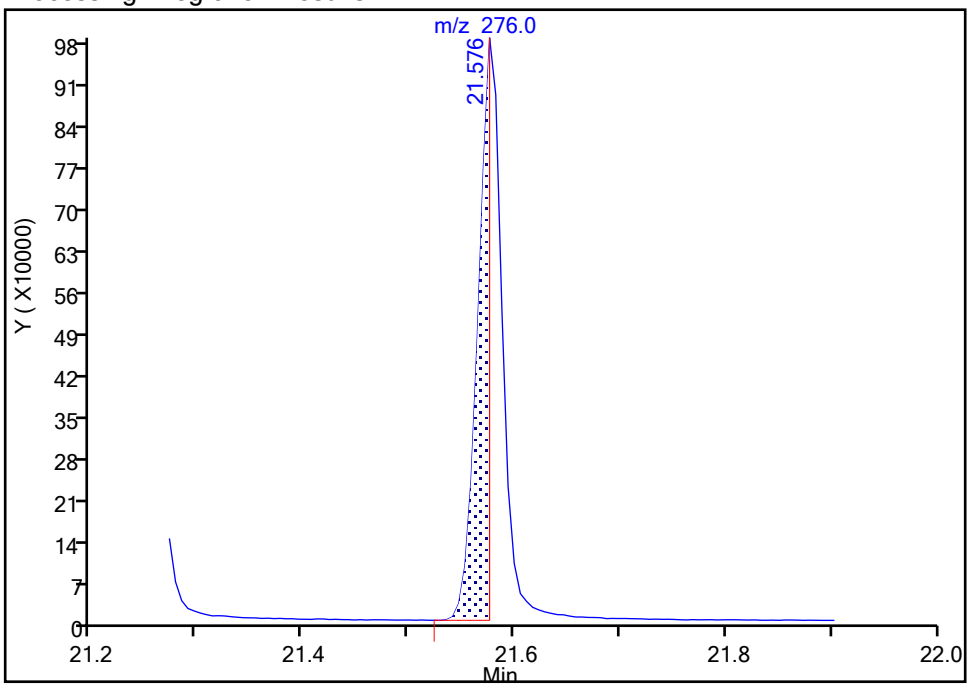
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Injection Date:	07-Jan-2021 22:20:30	Instrument ID:	HP18831		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

165 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

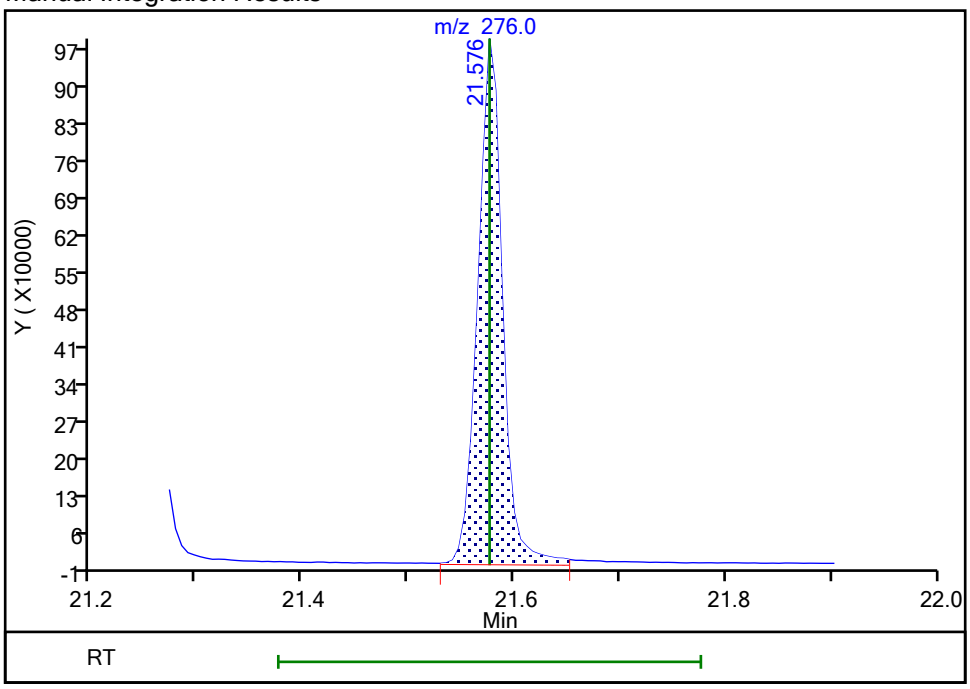
Processing Integration Results

RT: 21.58
Area: 733708
Amount: 3.462474
Amount Units: ug/ml



Manual Integration Results

RT: 21.58
Area: 1590616
Amount: 7.506346
Amount Units: ug/ml



Reviewer: williamss, 07-Jan-2021 22:50:17

Audit Action: Manually Integrated Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-83166/2 Calibration Date: 01/07/2021 22:20

Instrument ID: HP18831 Calib Start Date: 12/14/2020 22:52

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/15/2020 01:16

Lab File ID: HA0351.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
a-Terpineol	Ave	0.2835	0.3266			7.50	15.2	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0351.D
Lims ID: CCVIS L5
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jan-2021 22:20:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0019498-002
Operator ID: sw30417 Instrument ID: HP18831
Sublist: chrom-MSSemi_HP18831*sub17

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 10:22:22 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1619

First Level Reviewer: williamss Date: 07-Jan-2021 22:56:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.992	1.992	0.000	98	174857	7.50	7.43	
2 N-Nitrosodimethylamine	74	2.575	2.575	0.000	92	259944	7.50	7.15	
3 Pyridine	79	2.604	2.604	0.000	87	822612	15.0	12.7	
5 2-Picoline	93	3.816	3.816	0.000	91	488894	7.50	7.22	
4 Dimethylformamide	73	3.834	3.834	0.000	1	248	NC	NC	
6 N-Nitrosomethylethylamine	88	4.026	4.026	0.000	97	206770	7.50	7.42	
9 Methyl methanesulfonate	80	4.487	4.487	0.000	87	249849	7.50	9.21	
$ 10 2-Fluorophenol	112	4.737	4.737	0.000	93	834539	15.0	14.1	
11 N-Nitrosodiethylamine	102	5.058	5.058	0.000	95	216679	7.50	7.62	
13 Ethyl methanesulfonate	109	5.524	5.524	0.000	98	221320	7.50	7.08	
15 Benzaldehyde	77	5.979	5.979	0.000	92	557910	12.5	11.6	
$ 16 Phenol-d5	99	6.125	6.125	0.000	98	1037248	15.0	15.0	
18 Aniline	93	6.142	6.142	0.000	86	669803	7.50	7.05	
17 Phenol	94	6.142	6.142	0.000	87	579658	7.50	7.17	
19 Bis(2-chloroethyl)ether	93	6.264	6.264	0.000	95	446612	7.50	7.23	
20 2-Chlorophenol	128	6.305	6.305	0.000	95	473493	7.50	7.47	
22 1,3-Dichlorobenzene	146	6.527	6.527	0.000	98	549151	7.50	7.67	
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	94	226931	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.643	6.643	0.000	95	554476	7.50	7.67	
26 Benzyl alcohol	108	6.847	6.847	0.000	93	298945	7.50	7.55	
27 1,2-Dichlorobenzene	146	6.865	6.865	0.000	98	526904	7.50	7.69	
28 Indene	115	6.999	6.999	0.000	90	1404334	12.5	15.9	
30 2-Methylphenol	108	7.040	7.040	0.000	94	412899	7.50	7.47	
32 2,2'-oxybis[1-chloropropane]	45	7.075	7.075	0.000	93	708895	7.50	6.49	
33 N-Nitrosopyrrolidine	100	7.203	7.203	0.000	90	232623	7.50	7.82	
34 Acetophenone	105	7.238	7.238	0.000	96	614059	7.50	7.02	
35 N-Nitrosodi-n-propylamine	70	7.267	7.267	0.000	90	314606	7.50	7.27	
37 N-Nitrosomorpholine	56	7.273	7.273	0.000	92	316765	7.50	7.06	
36 4-Methylphenol	108	7.279	7.279	0.000	90	471111	7.50	8.05	
38 2-Toluidine	106	7.290	7.290	0.000	94	709802	7.50	7.46	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Hexachloroethane	117	7.372	7.372	0.000	95	212898	7.50	7.43	
$ 41 Nitrobenzene-d5	82	7.459	7.459	0.000	90	901601	15.0	14.2	
42 Nitrobenzene	77	7.483	7.483	0.000	89	453906	7.50	7.00	
43 N-Nitrosopiperidine	114	7.716	7.716	0.000	82	225610	7.50	7.35	
45 Isophorone	82	7.867	7.867	0.000	96	828225	7.50	7.50	
46 2-Nitrophenol	139	7.978	7.978	0.000	87	259810	7.50	7.72	
48 2,4-Dimethylphenol	107	8.089	8.089	0.000	93	449070	7.50	7.44	
49 o,o',o''-Triethylphosphorothioat	198	8.211	8.211	0.000	84	241459	7.50	7.41	
51 Bis(2-chloroethoxy)methane	93	8.240	8.240	0.000	98	505453	7.50	6.79	
52 2,4-Dichlorophenol	162	8.357	8.357	0.000	92	402826	7.50	7.48	
53 1,2,4-Trichlorobenzene	180	8.479	8.479	0.000	94	448171	7.50	7.73	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	861100	5.00	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1387633	7.50	7.34	
29 Alpha-Terpineol	59	8.648	8.648	0.000	94	421840	NC	NC	
57 4-Chloroaniline	127	8.701	8.701	0.000	97	574739	7.50	8.00	
58 2,6-Dichlorophenol	162	8.713	8.713	0.000	97	398880	7.50	7.78	
39 p-Phenylene diamine	108	8.736	8.736	0.000	47	42037	NC	NC	
59 Hexachloropropene	213	8.736	8.736	0.000	87	319044	7.50	9.28	
60 Hexachlorobutadiene	225	8.817	8.817	0.000	96	268352	7.50	7.75	
62 Quinoline	129	9.115	9.115	0.000	97	884626	7.50	7.60	
63 Caprolactam	113	9.243	9.243	0.000	76	228853	12.5	12.0	
64 N-Nitrosodi-n-butylamine	84	9.278	9.278	0.000	95	290965	7.50	6.78	
66 4-Chloro-3-methylphenol	107	9.517	9.517	0.000	95	376772	7.50	7.38	
67 Safrole, Total	162	9.593	9.593	0.000	93	365216	7.50	7.50	
S 65 Diallate	86				0		7.50	6.98	
68 2-Methylnaphthalene	142	9.692	9.692	0.000	92	953043	7.50	7.68	
69 1-Methylnaphthalene	142	9.843	9.843	0.000	93	878081	7.50	7.50	
71 Hexachlorocyclopentadiene	237	9.960	9.960	0.000	96	335597	7.50	9.71	
72 1,2,4,5-Tetrachlorobenzene	216	9.966	9.966	0.000	96	444036	7.50	7.77	
73 Isosafrole Peak 1	162	10.059	10.059	0.000	92	64397	1.20	1.19	
74 2,4,6-Trichlorophenol	196	10.164	10.164	0.000	92	292015	7.50	7.74	
75 2,4,5-Trichlorophenol	196	10.216	10.216	0.000	95	320131	7.50	7.94	
$ 76 2-Fluorobiphenyl (Surr)	172	10.310	10.310	0.000	100	2061829	15.0	14.8	
77 Isosafrole Peak 2	162	10.420	10.420	0.000	94	381240	6.30	6.60	
78 1,1'-Biphenyl	154	10.455	10.455	0.000	95	1158793	7.50	7.26	
79 2-Chloronaphthalene	162	10.461	10.461	0.000	98	891303	7.50	7.55	
80 1-Chloronaphthalene	162	10.490	10.490	0.000	98	830887	7.50	7.74	
81 Phenyl ether	170	10.636	10.636	0.000	86	611527	7.50	7.46	
82 2-Nitroaniline	138	10.648	10.648	0.000	88	300738	7.50	7.95	
84 1,4-Naphthoquinone	158	10.758	10.758	0.000	91	347835	7.50	7.08	
85 1,4-Dinitrobenzene	168	10.887	10.887	0.000	95	157060	7.50	7.74	
86 Dimethyl phthalate	163	10.992	10.992	0.000	98	983580	7.50	7.52	
87 1,3-Dinitrobenzene	168	10.997	10.997	0.000	87	179223	7.50	7.98	
88 2,6-Dinitrotoluene	165	11.061	11.061	0.000	94	236154	7.50	7.87	
89 Acenaphthylene	152	11.114	11.114	0.000	98	1425575	7.50	8.72	
90 3-Nitroaniline	138	11.312	11.312	0.000	92	249979	7.50	8.00	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	422121	5.00	5.00	
93 Acenaphthene	153	11.400	11.400	0.000	94	919796	7.50	7.55	
94 2,4-Dinitrophenol	184	11.481	11.481	0.000	88	311312	17.5	16.2	
96 Pentachlorobenzene	250	11.604	11.604	0.000	98	414303	7.50	8.10	
95 4-Nitrophenol	109	11.621	11.621	0.000	82	281984	15.0	15.0	
97 Dibenzofuran	168	11.668	11.668	0.000	96	1309373	7.50	7.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,4-Dinitrotoluene	165	11.679	11.679	0.000	93	307580	7.50	7.66	
99 1-Naphthylamine	143	11.778	11.778	0.000	98	914411	7.50	7.62	
101 2,3,4,6-Tetrachlorophenol	232	11.854	11.854	0.000	72	256866	7.50	8.41	
103 2-Naphthylamine	143	11.889	11.889	0.000	97	877184	7.50	7.56	
104 Diethyl phthalate	149	12.052	12.052	0.000	99	973499	7.50	7.43	
105 Fluorene	166	12.128	12.128	0.000	94	1036408	7.50	7.84	
106 Thionazin	107	12.146	12.146	0.000	79	164559	7.50	7.24	
108 4-Chlorophenyl phenyl ether	204	12.157	12.157	0.000	91	495571	7.50	7.78	
107 N-Nitro-o-toluidine	152	12.157	12.157	0.000	85	288549	7.50	8.03	
109 4-Nitroaniline	138	12.169	12.169	0.000	86	257543	7.50	7.71	
110 4,6-Dinitro-2-methylphenol	198	12.216	12.216	0.000	85	329549	15.0	13.3	
111 N-Nitrosodiphenylamine	169	12.303	12.303	0.000	61	731801	6.38	6.55	
112 1,2-Diphenylhydrazine	77	12.344	12.344	0.000	41	898797	7.50	7.24	
$ 113 2,4,6-Tribromophenol	330	12.420	12.420	0.000	93	338579	15.0	16.0	
114 Sulfotepp	97	12.530	12.530	0.000	82	148263	7.50	6.99	
172 1,3,5-Trinitrobenzene	213	12.641	12.641	0.000	87	126655	NC	NC	
115 cis-Diallate	86	12.658	12.658	0.000	93	286308	5.55	5.24	
116 Phorate	75	12.664	12.664	0.000	94	523700	7.50	7.06	
117 Phenacetin	108	12.693	12.693	0.000	96	475549	7.50	7.73	
118 4-Bromophenyl phenyl ether	248	12.734	12.734	0.000	63	291507	7.50	7.69	
119 trans-Diallate	86	12.763	12.763	0.000	92	95101	1.95	1.74	
120 Hexachlorobenzene	284	12.781	12.781	0.000	95	331464	7.50	7.60	
121 Dimethoate	87	12.857	12.857	0.000	94	371310	7.50	7.32	
122 Atrazine	200	12.967	12.967	0.000	94	481438	12.5	12.5	
123 Pentachlorophenol	266	13.032	13.032	0.000	94	398199	15.0	13.7	
124 Pentachloronitrobenzene	237	13.043	13.043	0.000	88	143729	7.50	8.37	
125 4-Aminobiphenyl	169	13.043	13.043	0.000	90	1138843	7.50	13.4	
126 Pronamide	173	13.148	13.148	0.000	90	478950	7.50	7.89	
* 127 Phenanthrene-d10	188	13.253	13.253	0.000	97	836112	5.00	5.00	
129 Phenanthrene	178	13.282	13.282	0.000	96	1475350	7.50	7.58	
128 Dinoseb	211	13.282	13.282	0.000	67	264925	7.50	7.39	
70 Disulfoton	88	13.300	13.300	0.000	98	558343	NC	NC	
130 Anthracene	178	13.346	13.346	0.000	97	1522797	7.50	7.78	
131 Carbazole	167	13.562	13.562	0.000	96	1410992	7.50	7.64	
132 Methyl parathion	109	13.760	13.760	0.000	94	336245	7.50	7.87	
133 Di-n-butyl phthalate	149	14.069	14.069	0.000	100	1753625	7.50	7.28	
134 Ethyl Parathion	109	14.296	14.296	0.000	83	210999	7.50	7.93	
135 4-Nitroquinoline-1-oxide	190	14.296	14.296	0.000	79	130960	7.50	5.46	
136 Octachlorostyrene	308	14.623	14.623	0.000	93	136412	7.50	7.22	
137 Isodrin	193	14.664	14.664	0.000	95	177171	7.50	7.40	
138 Fluoranthene	202	14.879	14.879	0.000	97	1699430	7.50	7.56	
139 Benzidine	184	15.112	15.112	0.000	99	3230726	22.5	20.9	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	100	858888	5.00	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	1755715	7.50	7.39	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	99	2454792	15.0	14.3	
143 p-Dimethylamino azobenzene	225	15.724	15.724	0.000	94	328729	7.50	8.32	
100 Famphur	218	15.823	15.823	0.000	53	3356	NC	NC	
144 Chlorobenzilate	139	15.823	15.823	0.000	92	535474	7.50	7.78	
145 3,3'-Dimethylbenzidine	212	16.278	16.278	0.000	99	947966	7.50	6.14	
146 Butyl benzyl phthalate	149	16.342	16.342	0.000	96	770933	7.50	7.17	
147 2-Acetylaminofluorene	181	16.692	16.692	0.000	94	668193	7.50	7.59	
148 Benzo[a]anthracene	228	17.182	17.182	0.000	98	1560146	7.50	7.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 3,3'-Dichlorobenzidine	252	17.187	17.187	0.000	73	630991	7.50	7.54	
150 4,4'-Methylene bis(2-chloroanil	231	17.211	17.211	0.000	97	337492	7.50	7.84	
151 Chrysene	228	17.246	17.246	0.000	97	1584448	7.50	7.75	
152 Bis(2-ethylhexyl) phthalate	149	17.403	17.403	0.000	97	1097110	7.50	7.12	
153 6-Methylchrysene	242	18.038	18.038	0.000	98	1126299	7.50	7.32	
154 Di-n-octyl phthalate	149	18.551	18.551	0.000	99	1904143	7.50	6.96	
155 Benzo[b]fluoranthene	252	19.018	19.018	0.000	97	1674700	7.50	7.45	
156 7,12-Dimethylbenz(a)anthracene	256	19.023	19.023	0.000	93	788233	7.50	7.72	
157 Benzo[k]fluoranthene	252	19.064	19.064	0.000	99	1694595	7.50	7.84	
158 Benzo[a]pyrene	252	19.536	19.536	0.000	77	1455670	7.50	7.06	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	905421	5.00	5.00	
160 3-Methylcholanthrene	268	20.113	20.113	0.000	92	882084	7.50	8.30	
161 Dibenz[a,h]acridine	279	20.918	20.918	0.000	90	1281255	7.50	7.47	
162 Dibenz[a,j]acridine	279	20.988	20.988	0.000	96	1380659	7.50	7.69	
163 Indeno[1,2,3-cd]pyrene	276	21.221	21.221	0.000	99	1453796	7.50	7.27	M
164 Dibenz(a,h)anthracene	278	21.262	21.262	0.000	92	1564425	7.50	7.51	
165 Benzo[g,h,i]perylene	276	21.576	21.576	0.000	98	1590616	7.50	7.51	M
S 166 Isosafrole	162				0		7.50	7.79	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_5_00014 Amount Added: 1.00 Units: mL

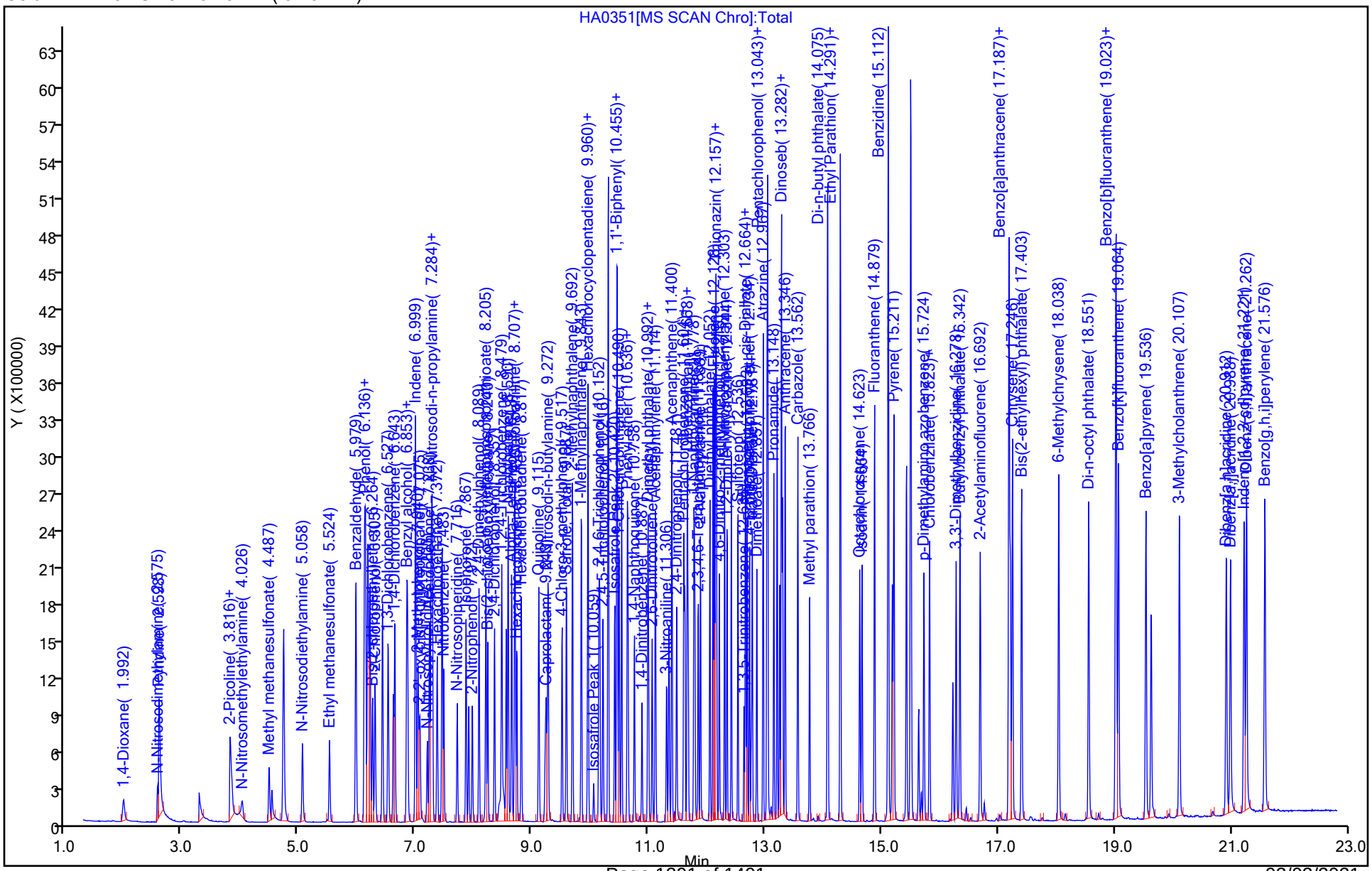
Report Date: 08-Jan-2021 10:22:26 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0351.D

Injection Date:	07-Jan-2021 22:20:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	CCVIS L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-72438/12 Calibration Date: 12/03/2020 22:24

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JL0131a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7684	0.7678		12.5	12.5	-0.0	30.0
N-Nitrosodimethylamine	Ave	1.177	1.247		13.2	12.5	6.0	30.0
Pyridine	Ave	2.158	1.971		22.8	25.0	-8.6	30.0
2-Picoline	Ave	1.968	1.945		12.4	12.5	-1.2	30.0
N-Nitrosomethylethylamine	Ave	0.8669	0.8348		12.0	12.5	-3.7	30.0
Methyl methanesulfonate	Ave	0.8535	1.040		7.62	6.25	21.9	30.0
N-Nitrosodiethylamine	Ave	0.7242	0.7591		13.1	12.5	4.8	30.0
Ethyl methanesulfonate	Ave	0.7906	0.7332		5.80	6.25	-7.3	30.0
Phenol	Ave	2.334	2.331	0.8000	12.5	12.5	-0.1	30.0
Aniline	Ave	2.701	2.656		12.3	12.5	-1.7	30.0
Bis(2-chloroethyl)ether	Ave	1.801	1.739	0.7000	12.1	12.5	-3.4	30.0
2-Chlorophenol	Ave	1.499	1.513	0.8000	12.6	12.5	0.9	30.0
1,3-Dichlorobenzene	Ave	1.600	1.630		12.7	12.5	1.9	30.0
1,4-Dichlorobenzene	Ave	1.615	1.684		13.0	12.5	4.3	30.0
Benzyl alcohol	Ave	1.015	1.031		12.7	12.5	1.6	30.0
1,2-Dichlorobenzene	Ave	1.542	1.584		12.8	12.5	2.7	30.0
Indene	Ave	2.190	2.746		15.7	12.5	25.4	30.0
2-Methylphenol	Ave	1.427	1.429	0.7000	12.5	12.5	0.1	30.0
2,2'-oxybis[1-chloropropane]	Ave	3.032	2.946	0.0100	12.1	12.5	-2.8	30.0
N-Nitrosopyrrolidine	Ave	0.7792	0.7845		12.6	12.5	0.7	30.0
Acetophenone	Ave	2.274	2.157	0.0100	11.9	12.5	-5.1	30.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.594	1.637	0.6000	12.8	12.5	2.7	30.0
N-Nitrosodi-n-propylamine	Ave	1.299	1.283	0.5000	12.3	12.5	-1.3	30.0
N-Nitrosomorpholine	Ave	1.155	1.141		12.3	12.5	-1.2	30.0
o-Toluidine	Ave	2.443	2.505		12.8	12.5	2.6	30.0
Hexachloroethane	Ave	0.7616	0.7401	0.3000	12.1	12.5	-2.8	30.0
Nitrobenzene	Ave	0.5093	0.4757	0.2000	11.7	12.5	-6.6	30.0
N-Nitrosopiperidine	Ave	0.1904	0.1778		11.7	12.5	-6.6	30.0
Isophorone	Ave	0.8066	0.8097	0.4000	12.5	12.5	0.4	30.0
2-Nitrophenol	Ave	0.1803	0.1743	0.1000	12.1	12.5	-3.3	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1430	0.1414		12.4	12.5	-1.1	30.0
Bis(2-chloroethoxy)methane	Ave	0.5302	0.5253	0.3000	12.4	12.5	-0.9	30.0
2,4-Dichlorophenol	Ave	0.2803	0.2703	0.2000	12.1	12.5	-3.6	30.0
1,2,4-Trichlorobenzene	Ave	0.3186	0.3122		12.2	12.5	-2.0	30.0
Naphthalene	Ave	1.100	1.065	0.7000	12.1	12.5	-3.2	30.0
4-Chloroaniline	Ave	0.4165	0.4352	0.0100	13.1	12.5	4.5	30.0
2,6-Dichlorophenol	Ave	0.2662	0.2688		12.6	12.5	1.0	30.0
Hexachloropropene	Ave	0.1687	0.1909		7.07	6.25	13.1	30.0
Hexachlorobutadiene	Ave	0.1752	0.1696	0.0100	12.1	12.5	-3.2	30.0
Quinoline	Ave	0.6383	0.6417		12.6	12.5	0.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-72438/12 Calibration Date: 12/03/2020 22:24

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JL0131a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodi-n-butylamine	Ave	0.2977	0.2654		11.1	12.5	-10.8	30.0
4-Chloro-3-methylphenol	Ave	0.3066	0.2951	0.2000	12.0	12.5	-3.8	30.0
Safrole, Total	Ave	0.2434	0.2396		12.3	12.5	-1.5	30.0
2-Methylnaphthalene	Ave	0.6697	0.6462	0.4000	12.1	12.5	-3.5	30.0
1-Methylnaphthalene	Ave	0.6318	0.5947		11.8	12.5	-5.9	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6759	0.6565	0.0100	12.1	12.5	-2.9	30.0
Hexachlorocyclopentadiene	Ave	0.3988	0.4707	0.0500	14.8	12.5	18.0	30.0
Isosafrole Peak 1	Ave	0.6661	0.4871			1.00	-26.9	30.0
2,4,6-Trichlorophenol	Ave	0.4213	0.4130	0.2000	12.3	12.5	-2.0	30.0
2,4,5-Trichlorophenol	Ave	0.4480	0.4437	0.2000	12.4	12.5	-1.0	30.0
Isosafrole Peak 2	Ave	0.6731	0.6974		5.44	5.25	3.6	30.0
1,1'-Biphenyl	Ave	1.928	1.843	0.0100	11.9	12.5	-4.4	30.0
2-Chloronaphthalene	Ave	1.474	1.347	0.8000	11.4	12.5	-8.6	30.0
1-Chloronaphthalene	Ave	1.384	1.493		6.74	6.25	7.8	30.0
Diphenyl ether	Ave	0.9322	0.9219		12.4	12.5	-1.1	30.0
2-Nitroaniline	Ave	0.4649	0.4758	0.0100	12.8	12.5	2.3	30.0
1,4-Naphthoquinone	Ave	0.5757	0.5151			6.25	-10.5	30.0
1,4-Dinitrobenzene	Ave	0.2006	0.2096		13.1	12.5	4.5	30.0
Dimethyl phthalate	Ave	1.453	1.370	0.0100	11.8	12.5	-5.7	30.0
1,3-Dinitrobenzene	Ave	0.2288	0.2278		12.4	12.5	-0.4	30.0
2,6-Dinitrotoluene	Ave	0.3239	0.3258	0.2000	12.6	12.5	0.6	30.0
Acenaphthylene	Ave	1.962	2.220	0.9000	14.1	12.5	13.2	30.0
3-Nitroaniline	Ave	0.3721	0.3878	0.0100	13.0	12.5	4.2	30.0
Acenaphthene	Ave	1.424	1.370	0.9000	12.0	12.5	-3.8	30.0
2,4-Dinitrophenol	Ave	0.1671	0.1528	0.0100	22.9	25.0	-8.5	30.0
4-Nitrophenol	Ave	0.2793	0.2428	0.0100	21.7	25.0	-13.0	30.0
Pentachlorobenzene	Ave	0.5788	0.5799		6.26	6.25	0.2	30.0
2,4-Dinitrotoluene	Ave	0.4183	0.4054	0.2000	12.1	12.5	-3.1	30.0
Dibenzofuran	Ave	1.856	1.808	0.8000	12.2	12.5	-2.6	30.0
1-Naphthylamine	Ave	1.480	1.387		11.7	12.5	-6.3	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3035	0.3495	0.0100	14.4	12.5	15.1	30.0
2-Naphthylamine	Ave	1.460	1.438		12.3	12.5	-1.5	30.0
Diethyl phthalate	Ave	1.466	1.358	0.0100	11.6	12.5	-7.4	30.0
Fluorene	Ave	1.458	1.445	0.9000	12.4	12.5	-0.9	30.0
Thionazin	Ave	0.3169	0.3000		11.8	12.5	-5.3	30.0
4-Chlorophenyl-phenyl ether	Ave	0.6557	0.6409	0.4000	12.2	12.5	-2.3	30.0
5-Nitro-o-toluidine	Ave	0.3997	0.4049		12.7	12.5	1.3	30.0
4-Nitroaniline	Ave	0.3872	0.3699	0.0100	11.9	12.5	-4.5	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1247	0.1263	0.0100	25.3	25.0	1.3	30.0
N-Nitrosodiphenylamine	Ave	0.6702	0.6993	0.0100	11.1	10.6	4.3	30.0
1,2-Diphenylhydrazine	Ave	1.242	1.302		13.1	12.5	4.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-72438/12 Calibration Date: 12/03/2020 22:24

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JL0131a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Sulfotepp	Ave	0.1819	0.1881		12.9	12.5	3.4	30.0
cis-Diallate	Ave	0.4734	0.4975		9.85	9.38	5.1	30.0
Phorate	Ave	0.6768	0.7230		13.4	12.5	6.8	30.0
Phenacetin	Ave	0.4318	0.4648		13.5	12.5	7.6	30.0
4-Bromophenyl-phenylether	Ave	0.2285	0.2298	0.1000	12.6	12.5	0.6	30.0
trans-Diallate	Ave	0.4821	0.4807		3.12	3.13	-0.3	30.0
Hexachlorobenzene	Ave	0.2761	0.2688	0.1000	12.2	12.5	-2.6	30.0
Dimethoate	Ave	0.4308	0.4485		13.0	12.5	4.1	30.0
Pentachlorophenol	Ave	0.1441	0.1576	0.0500	27.3	25.0	9.4	30.0
4-Aminobiphenyl	Ave	0.5064	0.9002		22.2	12.5	77.8*	30.0
Pentachloronitrobenzene	Ave	0.1001	0.1081		13.5	12.5	8.0	30.0
Pronamide	Ave	0.3324	0.3570		13.4	12.5	7.4	30.0
Dinoseb	Qua1		0.1570		6.79	6.25	8.7	30.0
Phenanthrene	Ave	1.212	1.234	0.7000	12.7	12.5	1.8	30.0
Anthracene	Ave	1.201	1.189	0.7000	12.4	12.5	-1.0	30.0
Carbazole	Ave	1.044	1.084	0.0100	13.0	12.5	3.8	30.0
Methyl parathion	Ave	0.3022	0.3274		13.5	12.5	8.4	30.0
Di-n-butyl phthalate	Ave	1.400	1.417	0.0100	12.6	12.5	1.2	30.0
Parathion	Ave	0.1783	0.1841		12.9	12.5	3.3	30.0
4-Nitroquinoline-1-oxide	Qua1		0.0982		11.7	12.5	-6.5	30.0
Octachlorostyrene	Ave	0.1030	0.1110		13.5	12.5	7.7	30.0
Isodrin	Ave	0.1375	0.1391		6.32	6.25	1.1	30.0
Fluoranthene	Ave	1.151	1.189	0.6000	12.9	12.5	3.2	30.0
Benzidine	Ave	0.9087	0.8373		11.5	12.5	-7.9	30.0
Pyrene	Ave	1.417	1.427	0.6000	12.6	12.5	0.7	30.0
p-Dimethylamino azobenzene	Ave	0.2095	0.2524		15.1	12.5	20.5	30.0
Chlorobenzilate	Ave	0.4471	0.4683		6.55	6.25	4.7	30.0
3,3'-Dimethylbenzidine	Ave	0.7608	0.7591		12.5	12.5	-0.2	30.0
Butylbenzylphthalate	Ave	0.6678	0.7008	0.0100	13.1	12.5	4.9	30.0
2-Acetylaminofluorene	Ave	0.4844	0.4881		12.6	12.5	0.7	30.0
3,3'-Dichlorobenzidine	Ave	0.4422	0.4886	0.0100	13.8	12.5	10.5	30.0
Benzo[a]anthracene	Ave	1.119	1.204	0.8000	13.5	12.5	7.6	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2027	0.2387			12.5	17.8	30.0
Chrysene	Ave	1.154	1.193	0.7000	12.9	12.5	3.4	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.9089	0.9200	0.0100	12.7	12.5	1.2	30.0
6-Methylchrysene	Ave	0.7720	0.8155		13.2	12.5	5.6	30.0
Di-n-octyl phthalate	Ave	1.576	1.541	0.0100	12.2	12.5	-2.2	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5451	0.5544		6.36	6.25	1.7	30.0
Benzo[b]fluoranthene	Ave	1.238	1.245	0.7000	12.6	12.5	0.5	30.0
Benzo[k]fluoranthene	Ave	1.244	1.289	0.7000	13.0	12.5	3.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: ICV 410-72438/12 Calibration Date: 12/03/2020 22:24

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JL0131a.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Ave	1.188	1.222	0.7000	12.9	12.5	2.9	30.0
3-Methylcholanthrene	Ave	0.5884	0.6166		13.1	12.5	4.8	30.0
Dibenz[a,h]acridine	Ave	1.005	1.076		13.4	12.5	7.1	30.0
Dibenz[a,j]acridine	Ave	1.090	1.070		12.3	12.5	-1.8	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.152	1.146	0.5000	12.4	12.5	-0.5	30.0
Dibenz(a,h)anthracene	Ave	1.197	1.263	0.4000	13.2	12.5	5.5	30.0
Benzo[g,h,i]perylene	Ave	1.264	1.305	0.5000	12.9	12.5	3.3	30.0
2,4-Dimethylphenol	Ave	0.3901		0.2000		12.5		30.0
Benzoic acid	Lin					12.5	-100.0*	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0131a.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 03-Dec-2020 22:24:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0016969-012
Operator ID: knb25316 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 04-Dec-2020 00:25:16 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: luttek Date: 04-Dec-2020 00:18:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	2.275	2.275	0.000	99	283646	12.5	12.5	
3 N-Nitrosodimethylamine	74	2.831	2.831	0.000	95	460739	12.5	13.2	
4 Pyridine	79	2.876	2.876	0.000	93	1456624	25.0	22.8	
8 2-Picoline	93	4.078	4.078	0.000	94	718661	12.5	12.4	
10 N-Nitrosomethylethylamine	88	4.260	4.260	0.000	96	308393	12.5	12.0	
11 Methyl methanesulfonate	80	4.714	4.714	0.000	87	192195	6.25	7.62	
13 N-Nitrosodiethylamine	102	5.292	5.292	0.000	90	280453	12.5	13.1	
15 Ethyl methanesulfonate	109	5.746	5.746	0.000	96	135430	6.25	5.80	
21 Phenol	94	6.359	6.359	0.000	96	861101	12.5	12.5	
23 Aniline	93	6.370	6.370	0.000	97	981183	12.5	12.3	
24 Bis(2-chloroethyl)ether	93	6.495	6.495	0.000	92	642421	12.5	12.1	
S 46 Dinitrotoluene	165				0			24.7	
25 2-Chlorophenol	128	6.540	6.540	0.000	95	558903	12.5	12.6	
26 1,3-Dichlorobenzene	146	6.767	6.767	0.000	95	602357	12.5	12.7	
* 28 1,4-Dichlorobenzene-d4	152	6.858	6.858	0.000	98	147773	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.880	6.880	0.000	90	621998	12.5	13.0	
30 Benzyl alcohol	108	7.073	7.073	0.000	90	380902	12.5	12.7	
31 1,2-Dichlorobenzene	146	7.107	7.107	0.000	95	585273	12.5	12.8	
34 Indene	115	7.232	7.232	0.000	93	1014413	12.5	15.7	
33 2-Methylphenol	108	7.255	7.255	0.000	97	528011	12.5	12.5	
35 2,2'-oxybis[1-chloropropane]	45	7.300	7.300	0.000	94	1088496	12.5	12.1	
36 N-Nitrosopyrrolidine	100	7.436	7.436	0.000	87	289820	12.5	12.6	
38 Acetophenone	105	7.470	7.470	0.000	94	797009	12.5	11.9	
39 N-Nitrosodi-n-propylamine	70	7.493	7.493	0.000	91	474024	12.5	12.3	
37 4-Methylphenol	108	7.493	7.493	0.000	91	604696	12.5	12.8	
40 N-Nitrosomorpholine	56	7.504	7.504	0.000	92	421551	12.5	12.3	
41 2-Toluidine	106	7.527	7.527	0.000	95	925611	12.5	12.8	
42 Hexachloroethane	117	7.618	7.618	0.000	95	273420	12.5	12.1	
44 Nitrobenzene	77	7.720	7.720	0.000	89	674771	12.5	11.7	
45 N-Nitrosopiperidine	114	7.958	7.958	0.000	81	252229	12.5	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
47 Isophorone	82	8.106	8.106	0.000	99	1148422	12.5	12.5	
48 2-Nitrophenol	139	8.208	8.208	0.000	95	247262	12.5	12.1	
49 2,4-Dimethylphenol	107		8.310				ND	ND	U
50 Benzoic acid	105		8.367				ND	ND	
51 o,o',o''-Triethylphosphorothioat	198	8.435	8.435	0.000	95	200595	12.5	12.4	
52 Bis(2-chloroethoxy)methane	93	8.469	8.469	0.000	94	745119	12.5	12.4	
54 2,4-Dichlorophenol	162	8.582	8.582	0.000	97	383317	12.5	12.1	
55 1,2,4-Trichlorobenzene	180	8.718	8.718	0.000	93	442837	12.5	12.2	
* 56 Naphthalene-d8	136	8.798	8.798	0.000	99	567333	5.00	5.00	
57 Naphthalene	128	8.832	8.832	0.000	97	1511219	12.5	12.1	
58 4-Chloroaniline	127	8.934	8.934	0.000	93	617207	12.5	13.1	
59 2,6-Dichlorophenol	162	8.945	8.945	0.000	91	381313	12.5	12.6	
61 Hexachloropropene	213	8.979	8.979	0.000	93	135359	6.25	7.07	
62 Hexachlorobutadiene	225	9.047	9.047	0.000	96	240620	12.5	12.1	
63 Quinoline	129	9.365	9.365	0.000	95	910090	12.5	12.6	
65 N-Nitrosodi-n-butylamine	84	9.512	9.512	0.000	95	376390	12.5	11.1	
S 60 Diallate	86				0		12.5	13.0	
67 4-Chloro-3-methylphenol	107	9.728	9.728	0.000	96	418518	12.5	12.0	
68 Safrole, Total	162	9.830	9.830	0.000	85	339834	12.5	12.3	
69 2-Methylnaphthalene	142	9.943	9.943	0.000	92	916588	12.5	12.1	
70 1-Methylnaphthalene	142	10.091	10.091	0.000	93	843519	12.5	11.8	
71 Hexachlorocyclopentadiene	237	10.204	10.204	0.000	95	268587	12.5	14.8	
72 1,2,4,5-Tetrachlorobenzene	216	10.204	10.204	0.000	97	374648	12.5	12.1	
73 Isosafrole Peak 1	162	10.295	10.295	0.000	85	22237	1.00	0.7313	
74 2,4,6-Trichlorophenol	196	10.397	10.397	0.000	95	235658	12.5	12.3	
76 2,4,5-Trichlorophenol	196	10.442	10.442	0.000	91	253215	12.5	12.4	
78 Isosafrole Peak 2	162	10.658	10.658	0.000	86	167134	5.25	5.44	
80 1,1'-Biphenyl	154	10.703	10.703	0.000	96	1051588	12.5	11.9	
81 2-Chloronaphthalene	162	10.715	10.715	0.000	78	768751	12.5	11.4	M
82 1-Chloronaphthalene	162	10.737	10.737	0.000	98	425993	6.25	6.74	Ma
83 Phenyl ether	170	10.885	10.885	0.000	90	526103	12.5	12.4	
84 2-Nitroaniline	138	10.896	10.896	0.000	81	271488	12.5	12.8	
85 1,4-Naphthoquinone	158	11.010	11.010	0.000	82	146969	6.25	5.59	
86 1,4-Dinitrobenzene	168	11.134	11.134	0.000	88	119603	12.5	13.1	
S 79 Isosafrole	162				0		6.25	6.17	
87 Dimethyl phthalate	163	11.225	11.225	0.000	95	781684	12.5	11.8	
89 1,3-Dinitrobenzene	168	11.248	11.248	0.000	81	129980	12.5	12.4	
90 2,6-Dinitrotoluene	165	11.305	11.305	0.000	90	185914	12.5	12.6	
91 Acenaphthylene	152	11.373	11.373	0.000	99	1266974	12.5	14.1	
92 3-Nitroaniline	138	11.554	11.554	0.000	90	221306	12.5	13.0	
* 93 Acenaphthene-d10	164	11.588	11.588	0.000	97	228257	5.00	5.00	
94 Acenaphthene	153	11.645	11.645	0.000	96	782051	12.5	12.0	
95 2,4-Dinitrophenol	184	11.713	11.713	0.000	88	174435	25.0	22.9	
97 4-Nitrophenol	109	11.815	11.815	0.000	93	277136	25.0	21.7	
99 Pentachlorobenzene	250	11.826	11.826	0.000	96	165460	6.25	6.26	
101 Dibenzofuran	168	11.894	11.894	0.000	95	1031763	12.5	12.2	
100 2,4-Dinitrotoluene	165	11.894	11.894	0.000	85	231317	12.5	12.1	
102 1-Naphthylamine	143	11.997	11.997	0.000	99	791225	12.5	11.7	
103 2,3,4,6-Tetrachlorophenol	232	12.065	12.065	0.000	74	199420	12.5	14.4	
104 2-Naphthylamine	143	12.099	12.099	0.000	96	820858	12.5	12.3	
105 Diethyl phthalate	149	12.246	12.246	0.000	96	775130	12.5	11.6	
107 Fluorene	166	12.337	12.337	0.000	94	824386	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
106 Thionazin	107	12.337	12.337	0.000	74	171219	12.5	11.8	
110 N-Nitro-o-toluidine	152	12.360	12.360	0.000	71	231064	12.5	12.7	
109 4-Chlorophenyl phenyl ether	204	12.360	12.360	0.000	85	365749	12.5	12.2	
108 4-Nitroaniline	138	12.371	12.371	0.000	88	211053	12.5	11.9	
111 4,6-Dinitro-2-methylphenol	198	12.405	12.405	0.000	70	238672	25.0	25.3	
112 N-Nitrosodiphenylamine	169	12.496	12.496	0.000	64	561557	10.6	11.1	
113 1,2-Diphenylhydrazine	77	12.541	12.541	0.000	42	1230107	12.5	13.1	
115 Sulfotepp	97	12.723	12.723	0.000	77	177703	12.5	12.9	
116 cis-Diallate	86	12.859	12.859	0.000	89	352521	9.38	9.85	
117 Phorate	75	12.870	12.870	0.000	95	683014	12.5	13.4	
118 Phenacetin	108	12.893	12.893	0.000	93	439099	12.5	13.5	
119 4-Bromophenyl phenyl ether	248	12.938	12.938	0.000	78	217079	12.5	12.6	
120 trans-Diallate	86	12.961	12.961	0.000	96	113542	3.13	3.12	
121 Hexachlorobenzene	284	12.983	12.983	0.000	92	253933	12.5	12.2	
122 Dimethoate	87	13.063	13.063	0.000	97	423708	12.5	13.0	
124 Pentachlorophenol	266	13.244	13.244	0.000	93	297791	25.0	27.3	
126 Pentachloronitrobenzene	237	13.256	13.256	0.000	85	102115	12.5	13.5	
125 4-Aminobiphenyl	169	13.256	13.256	0.000	91	850458	12.5	22.2	
127 Pronamide	173	13.358	13.358	0.000	91	337314	12.5	13.4	
* 128 Phenanthrene-d10	188	13.471	13.471	0.000	97	377900	5.00	5.00	
129 Dinoseb	211	13.494	13.494	0.000	92	74154	6.25	6.79	
130 Phenanthrene	178	13.505	13.505	0.000	97	1165654	12.5	12.7	
131 Anthracene	178	13.573	13.573	0.000	99	1123221	12.5	12.4	
132 Carbazole	167	13.789	13.789	0.000	96	1024122	12.5	13.0	
133 Methyl parathion	109	13.993	13.993	0.000	89	309344	12.5	13.5	
134 Di-n-butyl phthalate	149	14.299	14.299	0.000	100	1338611	12.5	12.6	
135 Ethyl Parathion	109	14.538	14.538	0.000	82	173934	12.5	12.9	
136 4-Nitroquinoline-1-oxide	190	14.549	14.549	0.000	78	92779	12.5	11.7	
137 Octachlorostyrene	308	14.889	14.889	0.000	93	104846	12.5	13.5	
138 Isodrin	193	14.935	14.935	0.000	90	65706	6.25	6.32	
139 Fluoranthene	202	15.150	15.150	0.000	99	1123055	12.5	12.9	
140 Benzidine	184	15.388	15.388	0.000	100	684002	12.5	11.5	
* 141 Pyrene-d10 (IS)	212	15.468	15.468	0.000	97	326770	5.00	5.00	
142 Pyrene	202	15.491	15.491	0.000	98	1165774	12.5	12.6	
144 p-Dimethylamino azobenzene	225	16.012	16.012	0.000	92	206163	12.5	15.1	
145 Chlorobenzilate	139	16.103	16.103	0.000	84	191298	6.25	6.55	
146 3,3'-Dimethylbenzidine	212	16.580	16.580	0.000	99	620132	12.5	12.5	
147 Butyl benzyl phthalate	149	16.636	16.636	0.000	96	572512	12.5	13.1	
148 2-Acetylaminofluorene	181	16.999	16.999	0.000	96	398701	12.5	12.6	
150 3,3'-Dichlorobenzidine	252	17.498	17.498	0.000	62	399178	12.5	13.8	
149 Benzo[a]anthracene	228	17.498	17.498	0.000	99	983668	12.5	13.5	
151 4,4'-Methylene bis(2-chloroanil	231	17.521	17.521	0.000	95	195040	12.5	14.7	
152 Chrysene	228	17.567	17.567	0.000	97	974647	12.5	12.9	
153 Bis(2-ethylhexyl) phthalate	149	17.703	17.703	0.000	97	751578	12.5	12.7	
154 6-Methylchrysene	242	18.372	18.372	0.000	99	666224	12.5	13.2	
155 Di-n-octyl phthalate	149	18.871	18.871	0.000	99	1255238	12.5	12.2	
156 Benzo[b]fluoranthene	252	19.359	19.359	0.000	98	1014017	12.5	12.6	
157 7,12-Dimethylbenz(a)anthracene	256	19.359	19.359	0.000	90	225799	6.25	6.36	
158 Benzo[k]fluoranthene	252	19.404	19.404	0.000	99	1050068	12.5	13.0	
159 Benzo[a]pyrene	252	19.881	19.881	0.000	80	995330	12.5	12.9	
* 160 Perylene-d12	264	19.971	19.971	0.000	96	325856	5.00	5.00	
161 3-Methylcholanthrene	268	20.459	20.459	0.000	94	502283	12.5	13.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Dibenz[a,h]acridine	279	21.276	21.276	0.000	92	876551	12.5	13.4	
163 Dibenz[a,j]acridine	279	21.344	21.344	0.000	96	871683	12.5	12.3	
164 Indeno[1,2,3-cd]pyrene	276	21.582	21.582	0.000	97	933220	12.5	12.4	
165 Dibenz(a,h)anthracene	278	21.628	21.628	0.000	94	1028734	12.5	13.2	
166 Benzo[g,h,i]perylene	276	21.968	21.968	0.000	95	1063482	12.5	12.9	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

MSS_RV8270ICV_00008 Amount Added: 1.00 Units: mL

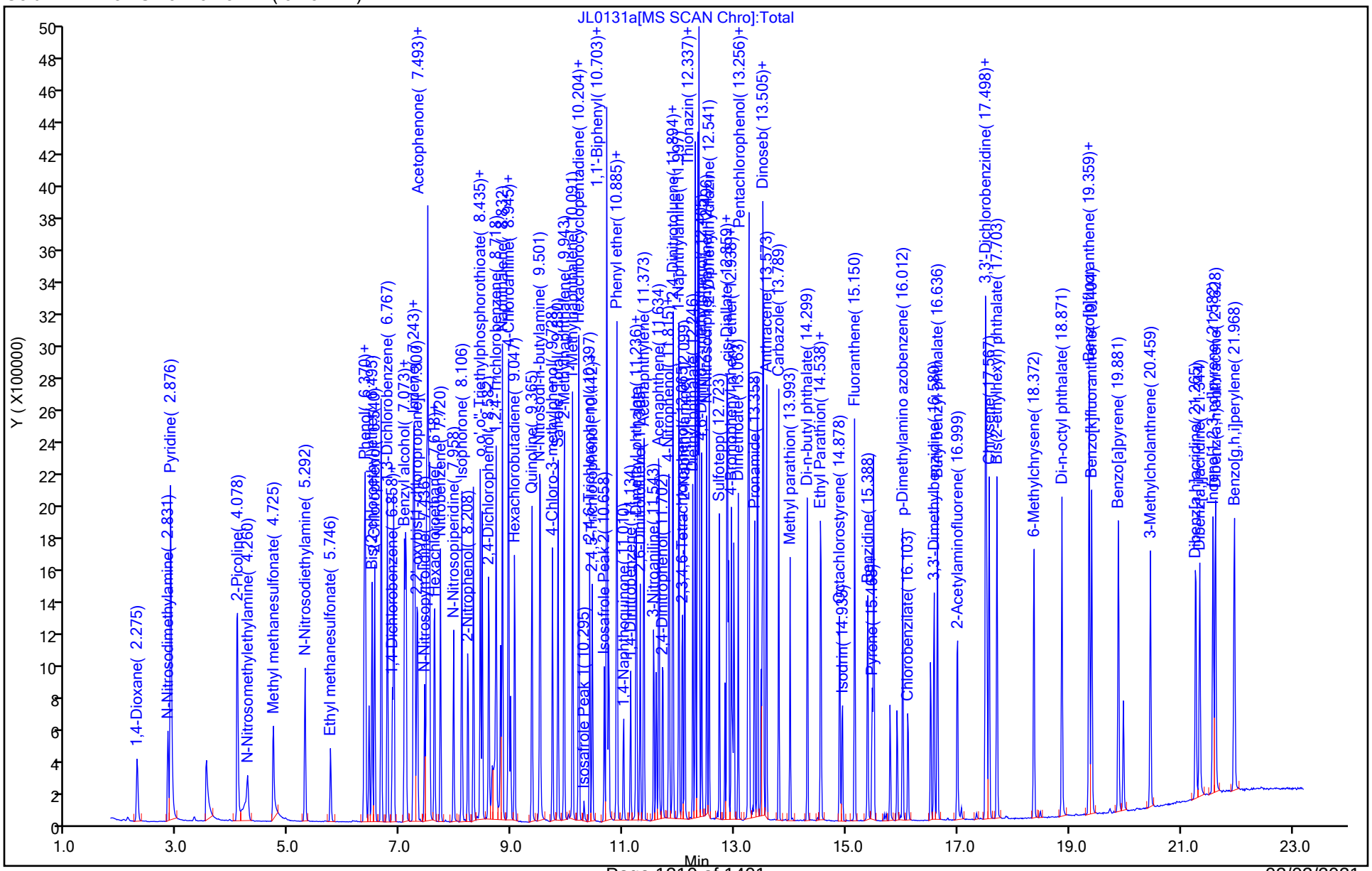
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	03-Dec-2020 22:24:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

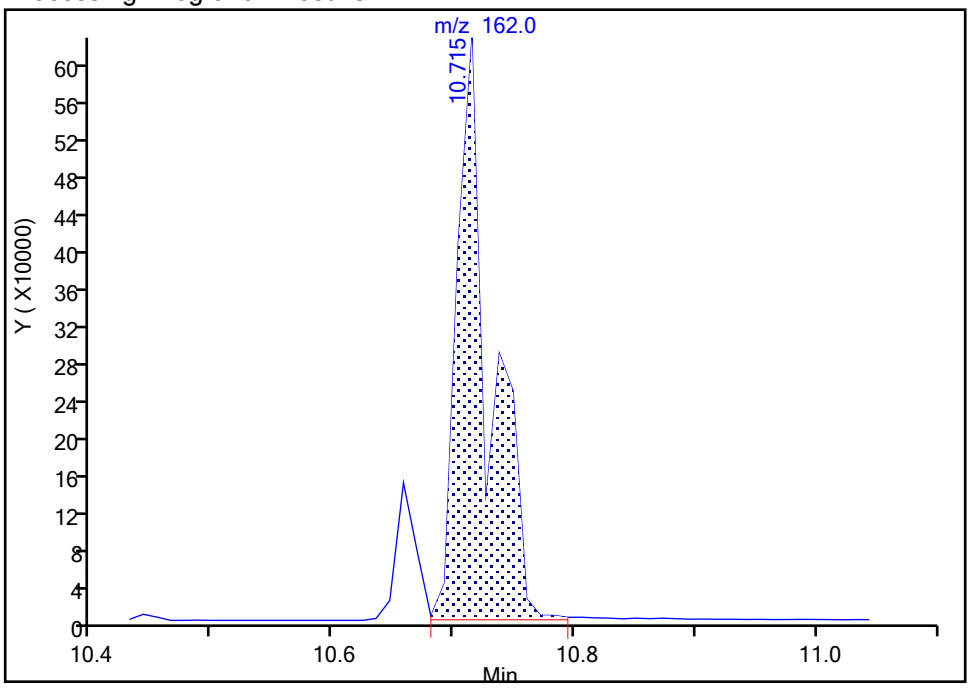
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Injection Date:	03-Dec-2020 22:24:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

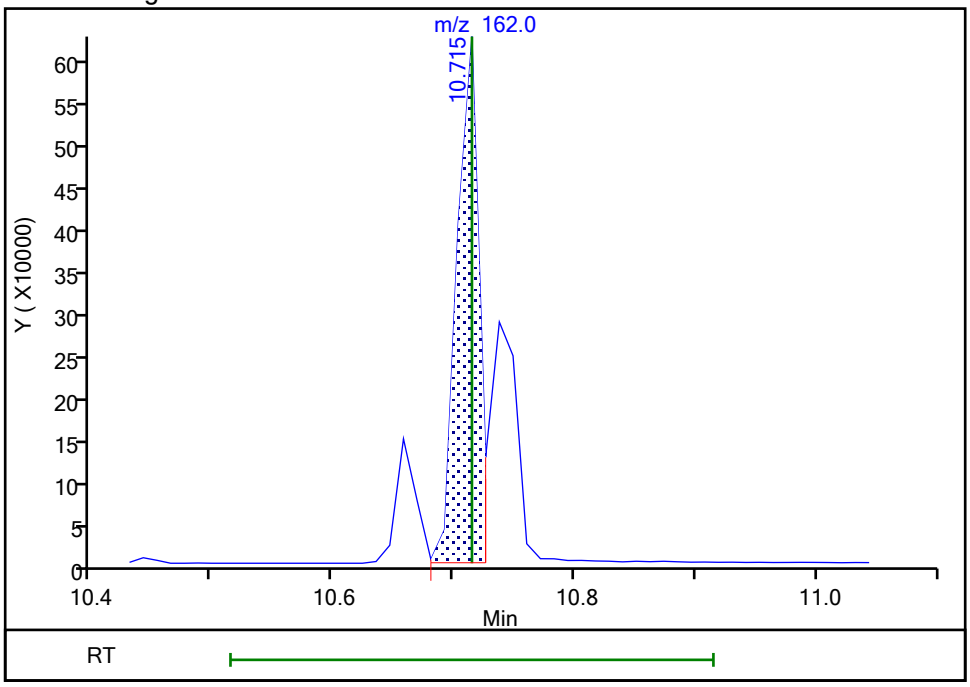
Processing Integration Results

RT: 10.71
Area: 1194747
Amount: 17.750305
Amount Units: ug/ml



Manual Integration Results

RT: 10.71
Area: 768751
Amount: 11.421300
Amount Units: ug/ml



Reviewer: luttek, 04-Dec-2020 00:15:57
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

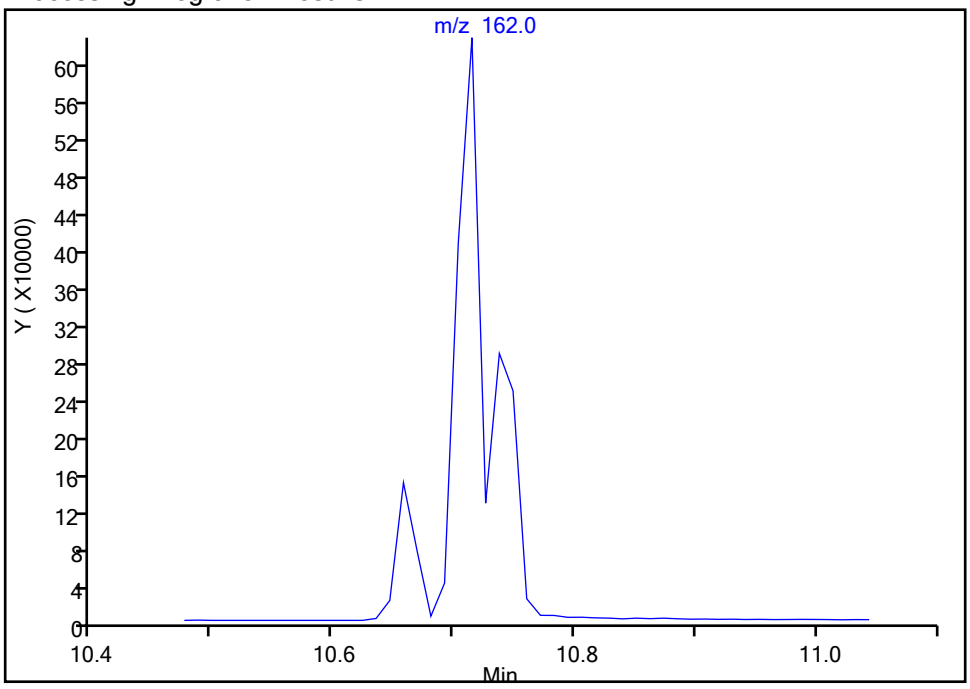
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Injection Date:	03-Dec-2020 22:24:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

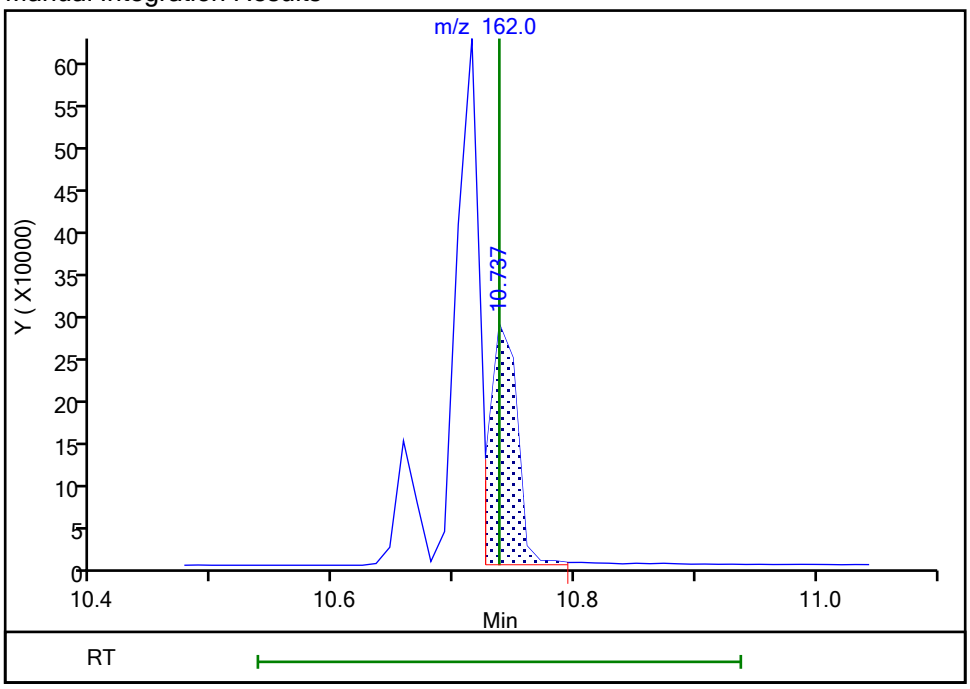
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.74
Area: 425993
Amount: 6.740501
Amount Units: ug/ml



Reviewer: luttek, 04-Dec-2020 00:16:06
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

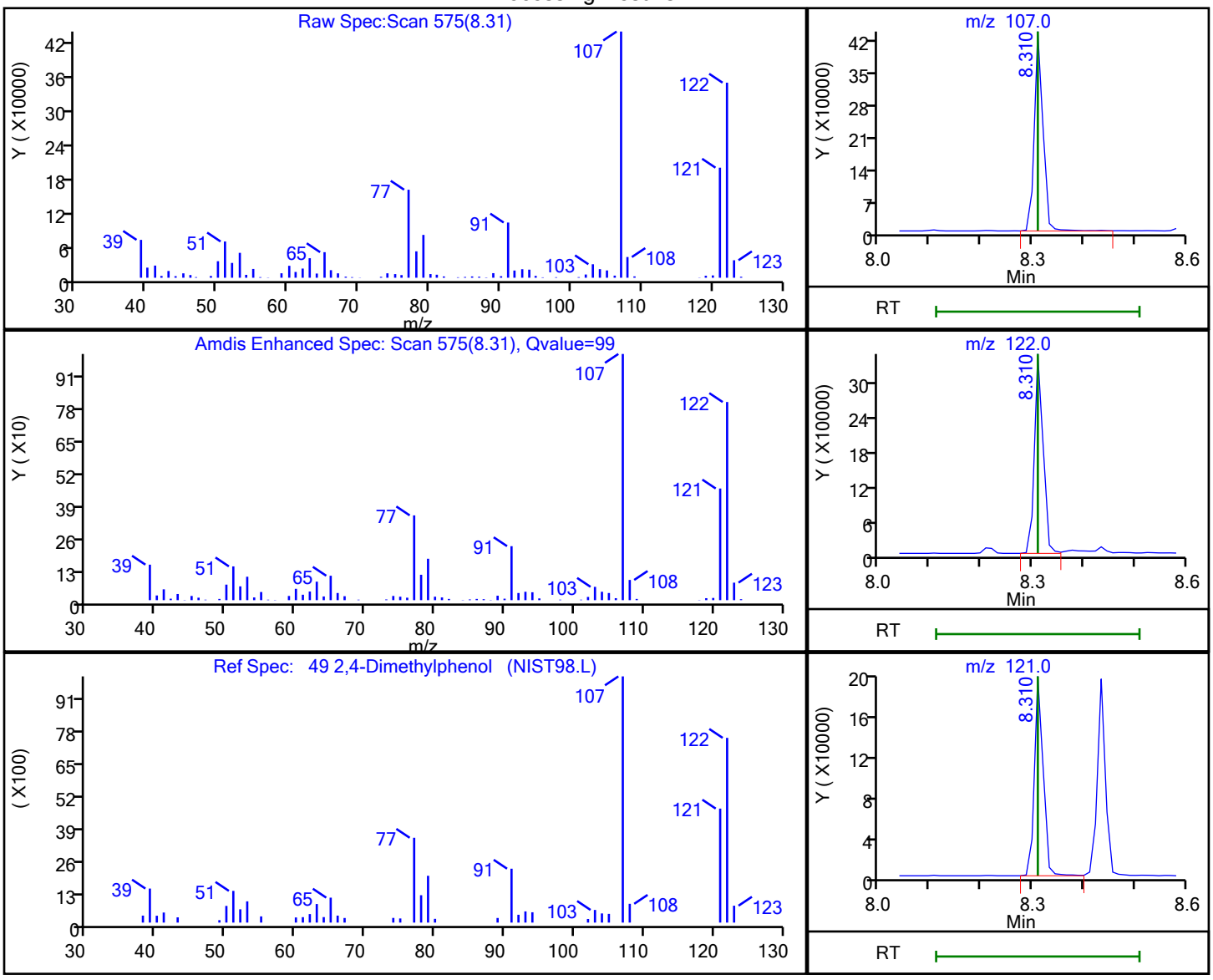
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	03-Dec-2020 22:24:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

49 2,4-Dimethylphenol, CAS: 105-67-9

Processing Results



RT	Mass	Response	Amount
8.31	107.00	519701	11.740653
8.31	122.00	412280	
8.31	121.00	234270	

Reviewer: luttek, 04-Dec-2020 00:18:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82495/2 Calibration Date: 01/06/2021 10:50

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JA0051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7684	0.6910		6.74	7.50	-10.1	20.0
N-Nitrosodimethylamine	Ave	1.177	1.101		7.02	7.50	-6.4	20.0
Pyridine	Ave	2.158	1.812		12.6	15.0	-16.0	20.0
2-Picoline	Ave	1.968	1.710		6.51	7.50	-13.1	20.0
N-Nitrosomethylethylamine	Ave	0.8669	0.8114		7.02	7.50	-6.4	20.0
Methyl methanesulfonate	Ave	0.8535	1.008		8.86	7.50	18.2	20.0
N-Nitrosodiethylamine	Ave	0.7242	0.7327		7.59	7.50	1.2	20.0
Ethyl methanesulfonate	Ave	0.7906	0.7484		7.10	7.50	-5.3	20.0
Benzaldehyde	Ave	1.456	1.345	0.0100	11.5	12.5	-7.6	20.0
Phenol	Ave	2.334	2.187	0.8000	7.03	7.50	-6.3	20.0
Aniline	Ave	2.701	2.454		6.81	7.50	-9.1	20.0
Bis(2-chloroethyl)ether	Ave	1.801	1.644	0.7000	6.85	7.50	-8.7	20.0
2-Chlorophenol	Ave	1.499	1.569	0.8000	7.85	7.50	4.7	20.0
1,3-Dichlorobenzene	Ave	1.600	1.556		7.30	7.50	-2.7	20.0
1,4-Dichlorobenzene	Ave	1.615	1.583		7.35	7.50	-1.9	20.0
Benzyl alcohol	Ave	1.015	0.995		7.35	7.50	-1.9	20.0
1,2-Dichlorobenzene	Ave	1.542	1.552		7.55	7.50	0.7	20.0
Indene	Ave	2.190	2.727		15.6	12.5	24.5*	20.0
2-Methylphenol	Ave	1.427	1.400	0.7000	7.35	7.50	-1.9	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.032	2.727	0.0100	6.75	7.50	-10.1	20.0
N-Nitrosopyrrolidine	Ave	0.7792	0.7674		7.39	7.50	-1.5	20.0
Acetophenone	Ave	2.274	2.196	0.0100	7.24	7.50	-3.4	20.0
N-Nitrosodi-n-propylamine	Ave	1.299	1.181	0.5000	6.82	7.50	-9.1	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.594	1.592	0.6000	7.49	7.50	-0.1	20.0
N-Nitrosomorpholine	Ave	1.155	1.058		6.87	7.50	-8.4	20.0
o-Toluidine	Ave	2.443	2.413		7.41	7.50	-1.2	20.0
Hexachloroethane	Ave	0.7616	0.7526	0.3000	7.41	7.50	-1.2	20.0
Nitrobenzene	Ave	0.5093	0.4431	0.2000	6.52	7.50	-13.0	20.0
N-Nitrosopiperidine	Ave	0.1904	0.1833		7.22	7.50	-3.7	20.0
Isophorone	Ave	0.8066	0.7812	0.4000	7.26	7.50	-3.1	20.0
2-Nitrophenol	Ave	0.1803	0.1682	0.1000	7.00	7.50	-6.7	20.0
2,4-Dimethylphenol	Ave	0.3901	0.3801	0.2000	7.31	7.50	-2.6	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1430	0.1188		6.23	7.50	-16.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.5302	0.4901	0.3000	6.93	7.50	-7.6	20.0
2,4-Dichlorophenol	Ave	0.2803	0.2613	0.2000	6.99	7.50	-6.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3186	0.2903		6.83	7.50	-8.9	20.0
Naphthalene	Ave	1.100	1.120	0.7000	7.63	7.50	1.8	20.0
4-Chloroaniline	Ave	0.4165	0.4870	0.0100	8.77	7.50	16.9	20.0
2,6-Dichlorophenol	Ave	0.2662	0.2569		7.24	7.50	-3.5	20.0
Hexachloropropene	Ave	0.1687	0.1627		7.23	7.50	-3.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82495/2 Calibration Date: 01/06/2021 10:50

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JA0051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.1752	0.1413	0.0100	6.05	7.50	-19.4	20.0
Quinoline	Ave	0.6383	0.6976		8.20	7.50	9.3	20.0
Caprolactam	Ave	0.1005	0.0998	0.0100	12.4	12.5	-0.7	20.0
N-Nitrosodi-n-butylamine	Ave	0.2977	0.3514		8.85	7.50	18.0	20.0
4-Chloro-3-methylphenol	Ave	0.3066	0.3028	0.2000	7.41	7.50	-1.2	20.0
Safrole, Total	Ave	0.2434	0.2312		7.12	7.50	-5.0	20.0
2-Methylnaphthalene	Ave	0.6697	0.7132	0.4000	7.99	7.50	6.5	20.0
1-Methylnaphthalene	Ave	0.6318	0.6311		7.49	7.50	-0.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6759	0.5781	0.0100	6.41	7.50	-14.5	20.0
Hexachlorocyclopentadiene	Ave	0.3988	0.4077	0.0500	7.67	7.50	2.2	20.0
Isosafrole Peak 1	Ave	0.6661	0.5934		1.07	1.20	-10.9	20.0
2,4,6-Trichlorophenol	Ave	0.4213	0.3739	0.2000	6.66	7.50	-11.2	20.0
2,4,5-Trichlorophenol	Ave	0.4480	0.4177	0.2000	6.99	7.50	-6.8	20.0
Isosafrole Peak 2	Ave	0.6731	0.6839		6.40	6.30	1.6	20.0
1,1'-Biphenyl	Ave	1.928	1.855	0.0100	7.21	7.50	-3.8	20.0
2-Chloronaphthalene	Ave	1.474	1.385	0.8000	7.04	7.50	-6.1	20.0
1-Chloronaphthalene	Ave	1.384	1.377		7.46	7.50	-0.6	20.0
Diphenyl ether	Ave	0.9322	0.9085		7.31	7.50	-2.5	20.0
2-Nitroaniline	Ave	0.4649	0.4956	0.0100	7.99	7.50	6.6	20.0
1,4-Naphthoquinone	Ave	0.5757	0.5770		7.52	7.50	0.2	20.0
1,4-Dinitrobenzene	Ave	0.2006	0.2085		7.80	7.50	3.9	20.0
Dimethyl phthalate	Ave	1.453	1.446	0.0100	7.47	7.50	-0.5	20.0
1,3-Dinitrobenzene	Ave	0.2288	0.2415		7.92	7.50	5.6	20.0
2,6-Dinitrotoluene	Ave	0.3239	0.3432	0.2000	7.95	7.50	6.0	20.0
Acenaphthylene	Ave	1.962	2.200	0.9000	8.41	7.50	12.2	20.0
3-Nitroaniline	Ave	0.3721	0.4231	0.0100	8.53	7.50	13.7	20.0
Acenaphthene	Ave	1.424	1.455	0.9000	7.66	7.50	2.1	20.0
2,4-Dinitrophenol	Ave	0.1671	0.1370	0.0100	14.3	17.5	-18.0	20.0
4-Nitrophenol	Ave	0.2793	0.2549	0.0100	13.7	15.0	-8.7	20.0
Pentachlorobenzene	Ave	0.5788	0.5036		6.53	7.50	-13.0	20.0
Dibenzofuran	Ave	1.856	1.896	0.8000	7.66	7.50	2.1	20.0
2,4-Dinitrotoluene	Ave	0.4183	0.4400	0.2000	7.89	7.50	5.2	20.0
1-Naphthylamine	Ave	1.480	1.561		7.91	7.50	5.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3035	0.2897	0.0100	7.16	7.50	-4.5	20.0
2-Naphthylamine	Ave	1.460	1.532		7.87	7.50	4.9	20.0
Diethyl phthalate	Ave	1.466	1.529	0.0100	7.82	7.50	4.3	20.0
Fluorene	Ave	1.458	1.474	0.9000	7.59	7.50	1.1	20.0
Thionazin	Ave	0.3169	0.3011		7.13	7.50	-5.0	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6557	0.5840	0.4000	6.68	7.50	-10.9	20.0
5-Nitro-o-toluidine	Ave	0.3997	0.4504		8.45	7.50	12.7	20.0
4-Nitroaniline	Ave	0.3872	0.4297	0.0100	8.32	7.50	11.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82495/2 Calibration Date: 01/06/2021 10:50

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JA0051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,6-Dinitro-2-methylphenol	Ave	0.1247	0.1098	0.0100	13.2	15.0	-12.0	20.0
N-Nitrosodiphenylamine	Ave	0.6702	0.7550	0.0100	7.18	6.38	12.6	20.0
1,2-Diphenylhydrazine	Ave	1.242	1.268		7.66	7.50	2.1	20.0
Sulfotepp	Ave	0.1819	0.1788		7.37	7.50	-1.7	20.0
cis-Diallate	Ave	0.4734	0.4981		5.84	5.55	5.2	20.0
Phorate	Ave	0.6768	0.9133		10.1	7.50	34.9*	20.0
Phenacetin	Ave	0.4318	0.4915		8.54	7.50	13.8	20.0
4-Bromophenyl-phenylether	Ave	0.2285	0.2215	0.1000	7.27	7.50	-3.1	20.0
trans-Diallate	Ave	0.4821	0.4736		1.92	1.95	-1.7	20.0
Hexachlorobenzene	Ave	0.2761	0.2643	0.1000	7.18	7.50	-4.3	20.0
Dimethoate	Ave	0.4308	0.4529		7.88	7.50	5.1	20.0
Atrazine	Ave	0.1980	0.2123	0.0100	13.4	12.5	7.2	20.0
Pentachlorophenol	Ave	0.1441	0.1300	0.0500	13.5	15.0	-9.8	20.0
Pentachloronitrobenzene	Ave	0.1001	0.0992		7.43	7.50	-0.9	20.0
4-Aminobiphenyl	Ave	0.5064	0.9931		14.7	7.50	96.1*	20.0
Pronamide	Ave	0.3324	0.4011		9.05	7.50	20.7*	20.0
Dinoseb	Qua1		0.1353		7.01	7.50	-6.5	20.0
Phenanthrene	Ave	1.212	1.206	0.7000	7.46	7.50	-0.5	20.0
Anthracene	Ave	1.201	1.205	0.7000	7.52	7.50	0.3	20.0
Carbazole	Ave	1.044	1.187	0.0100	8.53	7.50	13.7	20.0
Methyl parathion	Ave	0.3022	0.3598		8.93	7.50	19.1	20.0
Di-n-butyl phthalate	Ave	1.400	1.587	0.0100	8.50	7.50	13.3	20.0
4-Nitroquinoline-1-oxide	Qua1		0.0759		5.92	7.50	-21.1*	20.0
Parathion	Ave	0.1783	0.2237		9.41	7.50	25.5*	20.0
Octachlorostyrene	Ave	0.1030	0.1099		8.00	7.50	6.6	20.0
Isodrin	Ave	0.1375	0.1365		7.44	7.50	-0.8	20.0
Fluoranthene	Ave	1.151	1.162	0.6000	7.57	7.50	1.0	20.0
Benzidine	Ave	0.9087	0.9432		23.4	22.5	3.8	20.0
Pyrene	Ave	1.417	1.413	0.6000	7.48	7.50	-0.3	20.0
p-Dimethylamino azobenzene	Ave	0.2095	0.2239		8.01	7.50	6.9	20.0
Chlorobenzilate	Ave	0.4471	0.5299		8.89	7.50	18.5	20.0
3,3'-Dimethylbenzidine	Ave	0.7608	0.6470		6.38	7.50	-15.0	20.0
Butylbenzylphthalate	Ave	0.6678	0.8251	0.0100	9.27	7.50	23.6*	20.0
2-Acetylaminofluorene	Ave	0.4844	0.4616		7.15	7.50	-4.7	20.0
3,3'-Dichlorobenzidine	Ave	0.4422	0.4711	0.0100	7.99	7.50	6.5	20.0
Benzo[a]anthracene	Ave	1.119	1.153	0.8000	7.73	7.50	3.0	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2027	0.2254			7.50	11.2	20.0
Chrysene	Ave	1.154	1.186	0.7000	7.71	7.50	2.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9089	1.064	0.0100	8.78	7.50	17.1	20.0
6-Methylchrysene	Ave	0.7720	0.8041		7.81	7.50	4.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-82495/2 Calibration Date: 01/06/2021 10:50

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JA0051.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.576	1.709	0.0100	8.13	7.50	8.4	20.0
Benzo[b]fluoranthene	Ave	1.238	1.237	0.7000	7.49	7.50	-0.1	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5451	0.5772		7.94	7.50	5.9	20.0
Benzo[k]fluoranthene	Ave	1.244	1.369	0.7000	8.25	7.50	10.1	20.0
Benzo[a]pyrene	Ave	1.188	1.108	0.7000	6.99	7.50	-6.7	20.0
3-Methylcholanthrene	Ave	0.5884	0.5598		7.14	7.50	-4.9	20.0
Dibenz[a,h]acridine	Ave	1.005	0.8333		6.22	7.50	-17.1	20.0
Dibenz[a,j]acridine	Ave	1.090	0.9755		6.71	7.50	-10.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.152	0.9242	0.5000	6.02	7.50	-19.7	20.0
Dibenz(a,h)anthracene	Ave	1.197	1.063	0.4000	6.66	7.50	-11.2	20.0
Benzo[g,h,i]perylene	Ave	1.264	1.129	0.5000	6.70	7.50	-10.7	20.0
2-Fluorophenol (Surr)	Ave	1.534	1.491		14.6	15.0	-2.8	20.0
Phenol-d5 (Surr)	Ave	1.983	1.926		14.6	15.0	-2.9	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4861	0.4370		13.5	15.0	-10.1	20.0
2-Fluorobiphenyl (Surr)	Ave	1.612	1.551		14.4	15.0	-3.8	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2244	0.2217		14.8	15.0	-1.2	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9376	0.8945		14.3	15.0	-4.6	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0051.D
Lims ID: CCVIS L5
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Jan-2021 10:50:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0019332-002
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub16

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 12:14:28 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: beckk Date: 06-Jan-2021 12:14:28

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.980	1.980	0.000	99	159636	7.50	6.74	
	3 N-Nitrosodimethylamine	74	2.558	2.558	0.000	94	254336	7.50	7.02	
	4 Pyridine	79	2.604	2.604	0.000	92	837414	15.0	12.6	
	1 Dimethylformamide	73	3.296	3.296	0.000	98	245199	NC	NC	
	8 2-Picoline	93	3.829	3.829	0.000	94	394935	7.50	6.51	
	10 N-Nitrosomethylethylamine	88	4.033	4.033	0.000	98	187453	7.50	7.02	
	11 Methyl methanesulfonate	80	4.498	4.498	0.000	86	232982	7.50	8.86	
$	12 2-Fluorophenol	112	4.736	4.736	0.000	93	688689	15.0	14.6	
	13 N-Nitrosodiethylamine	102	5.077	5.077	0.000	94	169273	7.50	7.59	
	15 Ethyl methanesulfonate	109	5.542	5.542	0.000	97	172900	7.50	7.10	
	19 Benzaldehyde	77	5.996	5.996	0.000	96	517810	12.5	11.5	
$	20 Phenol-d5	99	6.132	6.132	0.000	95	889848	15.0	14.6	
	21 Phenol	94	6.154	6.154	0.000	94	505269	7.50	7.03	
	23 Aniline	93	6.166	6.166	0.000	94	566869	7.50	6.81	
	24 Bis(2-chloroethyl)ether	93	6.279	6.279	0.000	95	379886	7.50	6.85	
	25 2-Chlorophenol	128	6.325	6.325	0.000	96	362524	7.50	7.85	
	26 1,3-Dichlorobenzene	146	6.551	6.551	0.000	96	359562	7.50	7.30	
*	28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	154015	5.00	5.00	
	29 1,4-Dichlorobenzene	146	6.676	6.676	0.000	92	365772	7.50	7.35	
	30 Benzyl alcohol	108	6.869	6.869	0.000	93	229870	7.50	7.35	
	31 1,2-Dichlorobenzene	146	6.892	6.892	0.000	95	358625	7.50	7.55	
	34 Indene	115	7.028	7.028	0.000	89	1050082	12.5	15.6	
	33 2-Methylphenol	108	7.062	7.062	0.000	92	323343	7.50	7.35	
	35 2,2'-oxybis[1-chloropropane]	45	7.096	7.096	0.000	93	629949	7.50	6.75	
	36 N-Nitrosopyrrolidine	100	7.232	7.232	0.000	88	177295	7.50	7.39	
	38 Acetophenone	105	7.266	7.266	0.000	97	507330	7.50	7.24	
	39 N-Nitrosodi-n-propylamine	70	7.289	7.289	0.000	90	272838	7.50	6.82	
	37 4-Methylphenol	108	7.300	7.300	0.000	89	367892	7.50	7.49	
	40 N-Nitrosomorpholine	56	7.300	7.300	0.000	88	244389	7.50	6.87	
	41 2-Toluidine	106	7.312	7.312	0.000	95	557418	7.50	7.41	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.391	7.391	0.000	93	173879	7.50	7.41	
$ 43 Nitrobenzene-d5	82	7.482	7.482	0.000	89	771325	15.0	13.5	
44 Nitrobenzene	77	7.516	7.516	0.000	87	391028	7.50	6.52	
45 N-Nitrosopiperidine	114	7.743	7.743	0.000	81	161726	7.50	7.22	
47 Isophorone	82	7.890	7.890	0.000	99	689444	7.50	7.26	
48 2-Nitrophenol	139	8.004	8.004	0.000	95	148421	7.50	7.00	
49 2,4-Dimethylphenol	107	8.117	8.117	0.000	97	335471	7.50	7.31	
51 o,o',o''-Triethylphosphorothioat	198	8.230	8.230	0.000	92	104870	7.50	6.23	
52 Bis(2-chloroethoxy)methane	93	8.264	8.264	0.000	93	432478	7.50	6.93	
54 2,4-Dichlorophenol	162	8.378	8.378	0.000	97	230559	7.50	6.99	
55 1,2,4-Trichlorobenzene	180	8.514	8.514	0.000	93	256188	7.50	6.83	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	588341	5.00	5.00	
57 Naphthalene	128	8.616	8.616	0.000	97	988469	7.50	7.63	
17 Alpha-Terpineol	59	8.673	8.673	0.000	93	314447	NC	NC	
58 4-Chloroaniline	127	8.730	8.730	0.000	95	429826	7.50	8.77	
59 2,6-Dichlorophenol	162	8.741	8.741	0.000	96	226691	7.50	7.24	
61 Hexachloropropene	213	8.764	8.764	0.000	89	143550	7.50	7.23	
62 Hexachlorobutadiene	225	8.843	8.843	0.000	95	124718	7.50	6.05	
63 Quinoline	129	9.149	9.149	0.000	97	615667	7.50	8.20	
64 Caprolactam	113	9.263	9.263	0.000	76	146768	12.5	12.4	
65 N-Nitrosodi-n-butylamine	84	9.297	9.297	0.000	95	310082	7.50	8.85	M
22 p-Phenylene diamine	108	9.297	9.297	0.000	97	306305	NC	NC	
67 4-Chloro-3-methylphenol	107	9.535	9.535	0.000	97	267244	7.50	7.41	
68 Safrole, Total	162	9.626	9.626	0.000	86	204012	7.50	7.12	
S 60 Diallate	86				0		7.50	7.75	
69 2-Methylnaphthalene	142	9.728	9.728	0.000	93	629415	7.50	7.99	
70 1-Methylnaphthalene	142	9.875	9.875	0.000	93	556943	7.50	7.49	
72 1,2,4,5-Tetrachlorobenzene	216	9.989	9.989	0.000	95	205658	7.50	6.41	
71 Hexachlorocyclopentadiene	237	9.989	9.989	0.000	96	145045	7.50	7.67	
73 Isosafrole Peak 1	162	10.091	10.091	0.000	84	33781	1.20	1.07	
74 2,4,6-Trichlorophenol	196	10.193	10.193	0.000	94	133035	7.50	6.66	
76 2,4,5-Trichlorophenol	196	10.238	10.238	0.000	90	148600	7.50	6.99	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1103377	15.0	14.4	
78 Isosafrole Peak 2	162	10.454	10.454	0.000	89	204387	6.30	6.40	
80 1,1'-Biphenyl	154	10.488	10.488	0.000	97	659789	7.50	7.21	
81 2-Chloronaphthalene	162	10.499	10.499	0.000	97	492706	7.50	7.04	M
82 1-Chloronaphthalene	162	10.522	10.522	0.000	96	489728	7.50	7.46	Ma
83 Phenyl ether	170	10.669	10.669	0.000	90	323213	7.50	7.31	
84 2-Nitroaniline	138	10.681	10.681	0.000	82	176320	7.50	7.99	
85 1,4-Naphthoquinone	158	10.794	10.794	0.000	86	205277	7.50	7.52	
86 1,4-Dinitrobenzene	168	10.919	10.919	0.000	87	74195	7.50	7.80	
87 Dimethyl phthalate	163	11.021	11.021	0.000	97	514440	7.50	7.47	
89 1,3-Dinitrobenzene	168	11.032	11.032	0.000	83	85929	7.50	7.92	
90 2,6-Dinitrotoluene	165	11.100	11.100	0.000	93	122103	7.50	7.95	
S 79 Isosafrole	162				0		7.50	7.47	
91 Acenaphthylene	152	11.146	11.146	0.000	99	782780	7.50	8.41	
92 3-Nitroaniline	138	11.339	11.339	0.000	92	150540	7.50	8.53	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	95	237184	5.00	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	96	517515	7.50	7.66	
95 2,4-Dinitrophenol	184	11.520	11.520	0.000	82	113721	17.5	14.3	
97 4-Nitrophenol	109	11.634	11.634	0.000	92	181389	15.0	13.7	
99 Pentachlorobenzene	250	11.634	11.634	0.000	95	179171	7.50	6.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 2,4-Dinitrotoluene	165	11.713	11.713	0.000	91	156543	7.50	7.89	a
101 Dibenzofuran	168	11.702	11.702	0.000	96	674442	7.50	7.66	
102 1-Naphthylamine	143	11.815	11.815	0.000	99	555386	7.50	7.91	
103 2,3,4,6-Tetrachlorophenol	232	11.883	11.883	0.000	79	103084	7.50	7.16	
104 2-Naphthylamine	143	11.917	11.917	0.000	96	545099	7.50	7.87	
105 Diethyl phthalate	149	12.076	12.076	0.000	96	544118	7.50	7.82	
107 Fluorene	166	12.155	12.155	0.000	94	524566	7.50	7.59	
106 Thionazin	107	12.178	12.178	0.000	80	107119	7.50	7.13	
109 4-Chlorophenyl phenyl ether	204	12.190	12.190	0.000	86	207762	7.50	6.68	
110 N-Nitro-o-toluidine	152	12.190	12.190	0.000	75	160252	7.50	8.45	
108 4-Nitroaniline	138	12.201	12.201	0.000	92	152882	7.50	8.32	
111 4,6-Dinitro-2-methylphenol	198	12.246	12.246	0.000	82	125287	15.0	13.2	
112 N-Nitrosodiphenylamine	169	12.337	12.337	0.000	63	366165	6.38	7.18	
113 1,2-Diphenylhydrazine	77	12.371	12.371	0.000	42	723348	7.50	7.66	
$ 114 2,4,6-Tribromophenol	330	12.450	12.450	0.000	93	157746	15.0	14.8	
115 Sulfotepp	97	12.564	12.564	0.000	83	102018	7.50	7.37	
167 1,3,5-Trinitrobenzene	213	12.666	12.666	0.000	81	40023	NC	NC	
116 cis-Diallate	86	12.689	12.689	0.000	92	210311	5.55	5.84	
118 Phenacetin	108	12.711	12.711	0.000	89	280447	7.50	8.54	
117 Phorate	75	12.689	12.689	0.000	96	521114	7.50	10.1	Ma
119 4-Bromophenyl phenyl ether	248	12.768	12.768	0.000	75	126371	7.50	7.27	
120 trans-Diallate	86	12.791	12.791	0.000	96	70264	1.95	1.92	
121 Hexachlorobenzene	284	12.802	12.802	0.000	90	150778	7.50	7.18	
122 Dimethoate	87	12.881	12.881	0.000	97	258391	7.50	7.88	
123 Atrazine	200	12.995	12.995	0.000	87	201897	12.5	13.4	a
126 Pentachloronitrobenzene	237	13.063	13.063	0.000	79	56615	7.50	7.43	
125 4-Aminobiphenyl	169	13.074	13.074	0.000	90	566621	7.50	14.7	
124 Pentachlorophenol	266	13.052	13.052	0.000	85	148363	15.0	13.5	a
127 Pronamide	173	13.176	13.176	0.000	90	228840	7.50	9.05	
129 Dinoseb	211	13.313	13.313	0.000	70	77225	7.50	7.01	
66 Disulfoton	88	13.324	13.324	0.000	97	486231	NC	NC	
* 128 Phenanthrene-d10	188	13.279	13.279	0.000	97	380387	5.00	5.00	a
130 Phenanthrene	178	13.313	13.313	0.000	98	688216	7.50	7.46	a
131 Anthracene	178	13.381	13.381	0.000	98	687428	7.50	7.52	a
132 Carbazole	167	13.596	13.596	0.000	96	677392	7.50	8.53	
133 Methyl parathion	109	13.800	13.800	0.000	90	205317	7.50	8.93	
134 Di-n-butyl phthalate	149	14.107	14.107	0.000	100	905289	7.50	8.50	
135 Ethyl Parathion	109	14.334	14.334	0.000	83	127640	7.50	9.41	
136 4-Nitroquinoline-1-oxide	190	14.334	14.334	0.000	78	43302	7.50	5.92	
137 Octachlorostyrene	308	14.663	14.663	0.000	94	62680	7.50	8.00	
138 Isodrin	193	14.708	14.708	0.000	90	77865	7.50	7.44	
139 Fluoranthene	202	14.923	14.923	0.000	99	663252	7.50	7.57	
140 Benzidine	184	15.162	15.162	0.000	99	1381207	22.5	23.4	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	325402	5.00	5.00	
142 Pyrene	202	15.252	15.252	0.000	95	689641	7.50	7.48	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	97	873178	15.0	14.3	
144 p-Dimethylamino azobenzene	225	15.786	15.786	0.000	90	109262	7.50	8.01	
145 Chlorobenzilate	139	15.876	15.876	0.000	81	258656	7.50	8.89	
96 Famphur	218	16.285	16.285	0.000	90	170963	NC	NC	
146 3,3'-Dimethylbenzidine	212	16.341	16.341	0.000	98	315820	7.50	6.38	
147 Butyl benzyl phthalate	149	16.398	16.398	0.000	97	402757	7.50	9.27	
148 2-Acetylaminofluorene	181	16.750	16.750	0.000	94	225315	7.50	7.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	17.249	17.249	0.000	98	562739	7.50	7.73	
150 3,3'-Dichlorobenzidine	252	17.249	17.249	0.000	77	229959	7.50	7.99	
151 4,4'-Methylene bis(2-chloroanil	231	17.272	17.272	0.000	92	110022	7.50	8.34	
152 Chrysene	228	17.306	17.306	0.000	95	578785	7.50	7.71	
153 Bis(2-ethylhexyl) phthalate	149	17.465	17.465	0.000	98	519509	7.50	8.78	
154 6-Methylchrysene	242	18.111	18.111	0.000	98	392480	7.50	7.81	
155 Di-n-octyl phthalate	149	18.622	18.622	0.000	99	807388	7.50	8.13	
156 Benzo[b]fluoranthene	252	19.087	19.087	0.000	96	584266	7.50	7.49	
157 7,12-Dimethylbenz(a)anthracene	256	19.098	19.098	0.000	90	272711	7.50	7.94	
158 Benzo[k]fluoranthene	252	19.132	19.132	0.000	97	646674	7.50	8.25	
159 Benzo[a]pyrene	252	19.609	19.609	0.000	83	523296	7.50	6.99	
* 160 Perylene-d12	264	19.699	19.699	0.000	95	314997	5.00	5.00	
161 3-Methylcholanthrene	268	20.187	20.187	0.000	95	264483	7.50	7.14	
162 Dibenz[a,h]acridine	279	20.993	20.993	0.000	92	393736	7.50	6.22	
163 Dibenz[a,j]acridine	279	21.072	21.072	0.000	95	460897	7.50	6.71	
164 Indeno[1,2,3-cd]pyrene	276	21.299	21.299	0.000	96	436681	7.50	6.02	
165 Dibenz(a,h)anthracene	278	21.344	21.344	0.000	95	502455	7.50	6.66	
166 Benzo[g,h,i]perylene	276	21.662	21.662	0.000	94	533510	7.50	6.70	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSS_RV8270_5_00014 Amount Added: 1.00 Units: mL

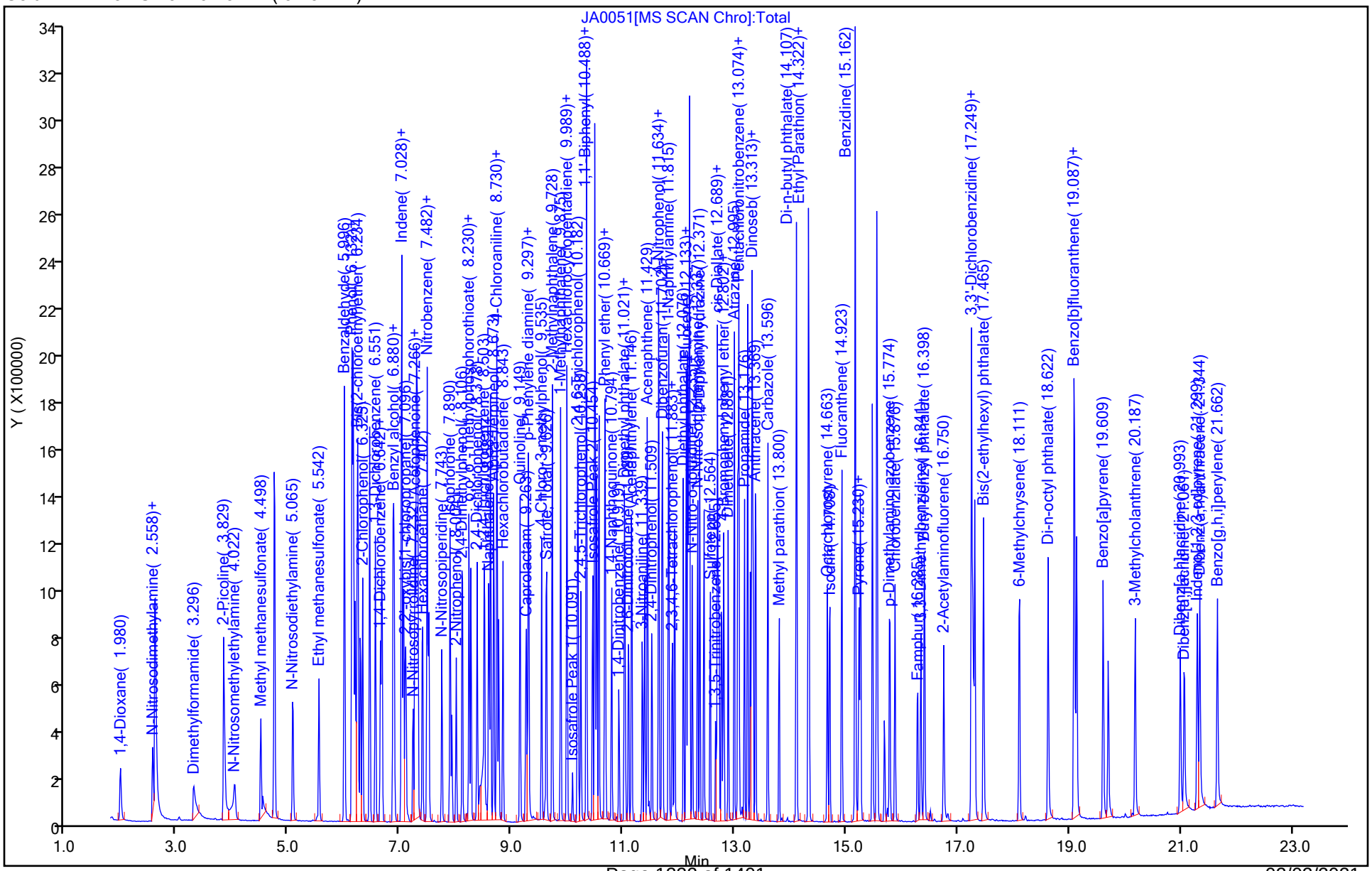
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Eurofins Lancaster Laboratories Env, LLC

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Injection Date:	06-Jan-2021 10:50:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	CCVIS L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

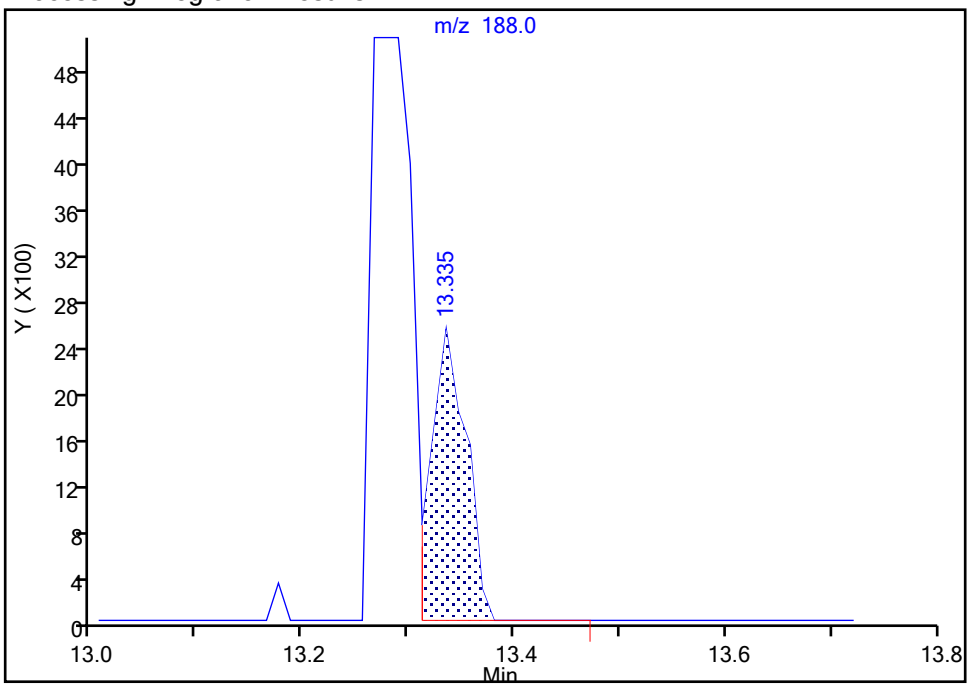
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Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 128 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

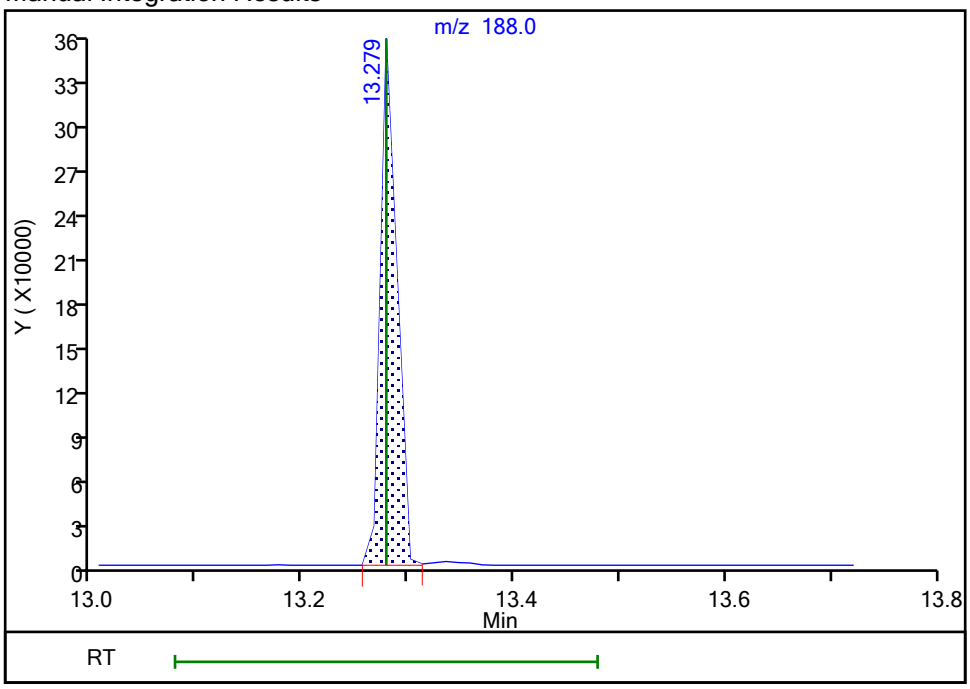
Processing Integration Results

RT: 13.34
Area: 5555
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 13.28
Area: 380387
Amount: 5.000000
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:04:51
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

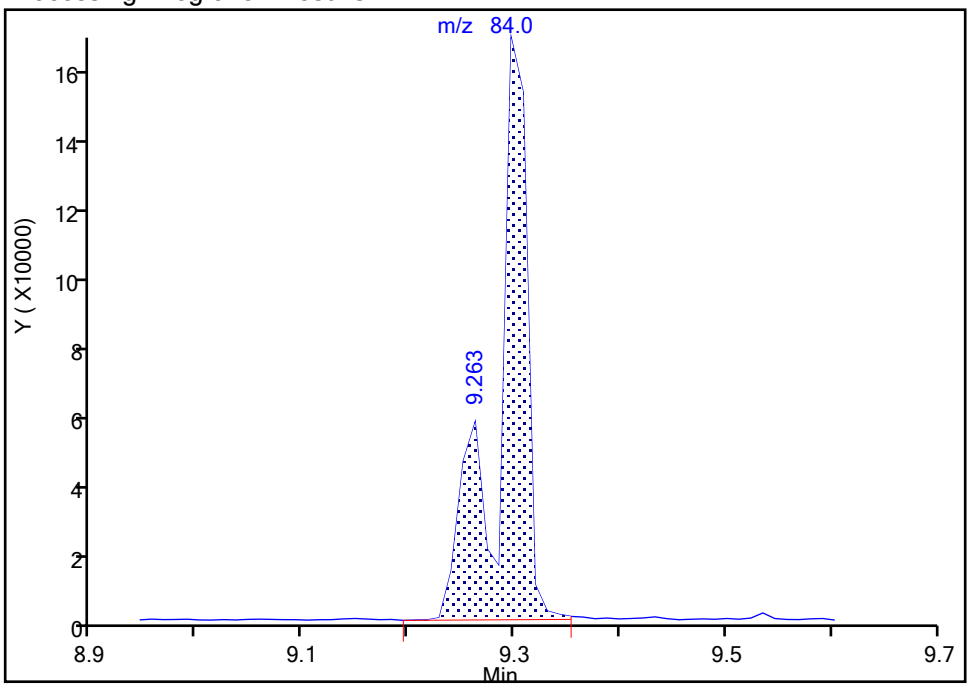
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Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

65 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Signal: 1

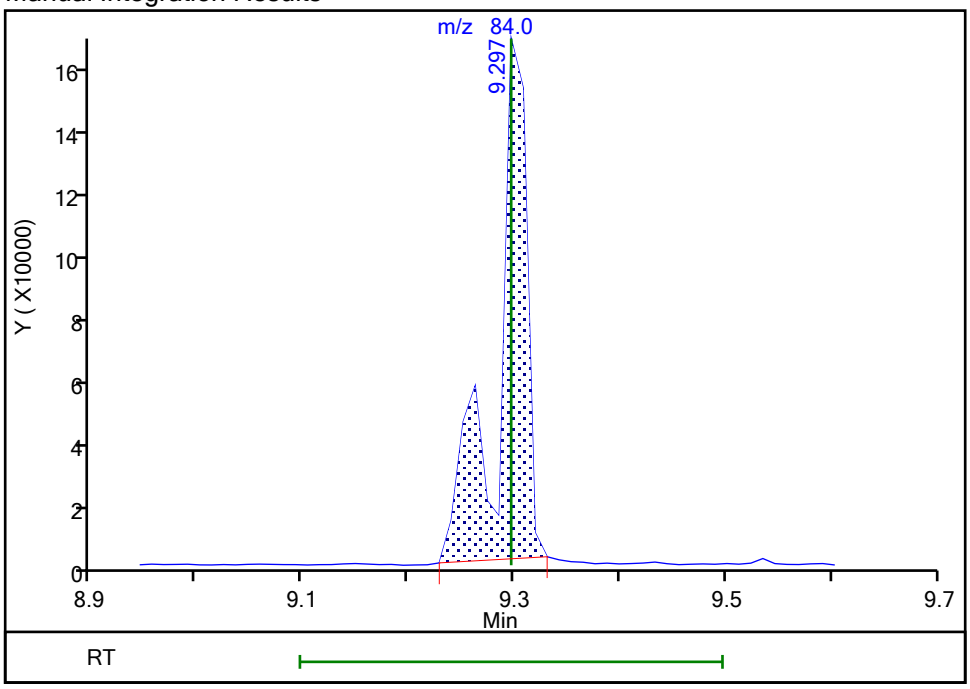
Processing Integration Results

RT: 9.26
Area: 321887
Amount: 9.190301
Amount Units: ug/ml



Manual Integration Results

RT: 9.30
Area: 310082
Amount: 8.853253
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:05:28
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

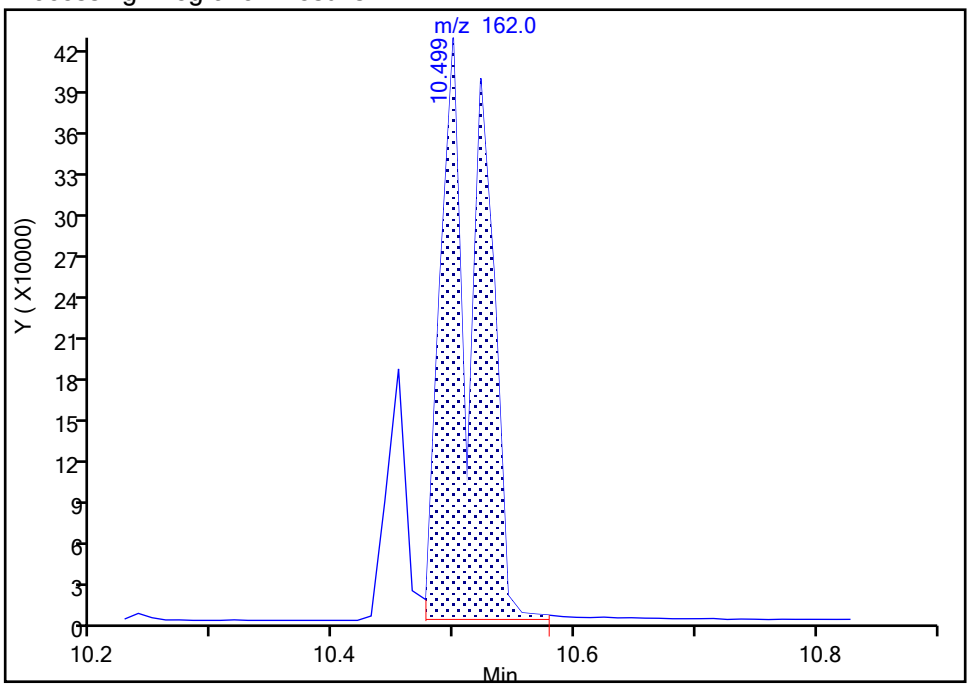
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Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

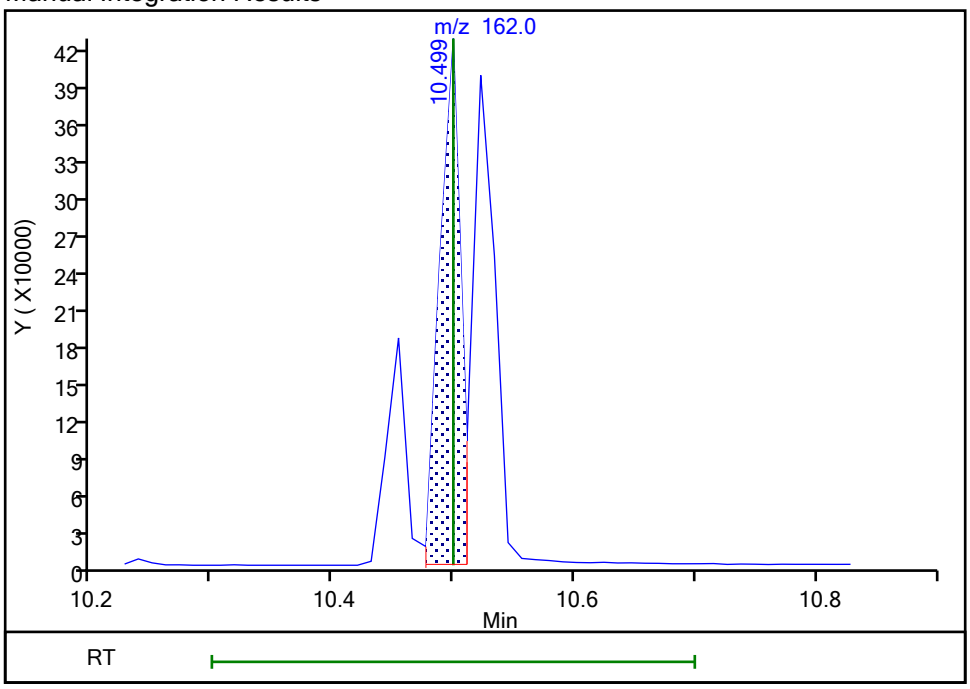
Processing Integration Results

RT: 10.50
Area: 982436
Amount: 14.046653
Amount Units: ug/ml



Manual Integration Results

RT: 10.50
Area: 492706
Amount: 7.044601
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:05:55
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

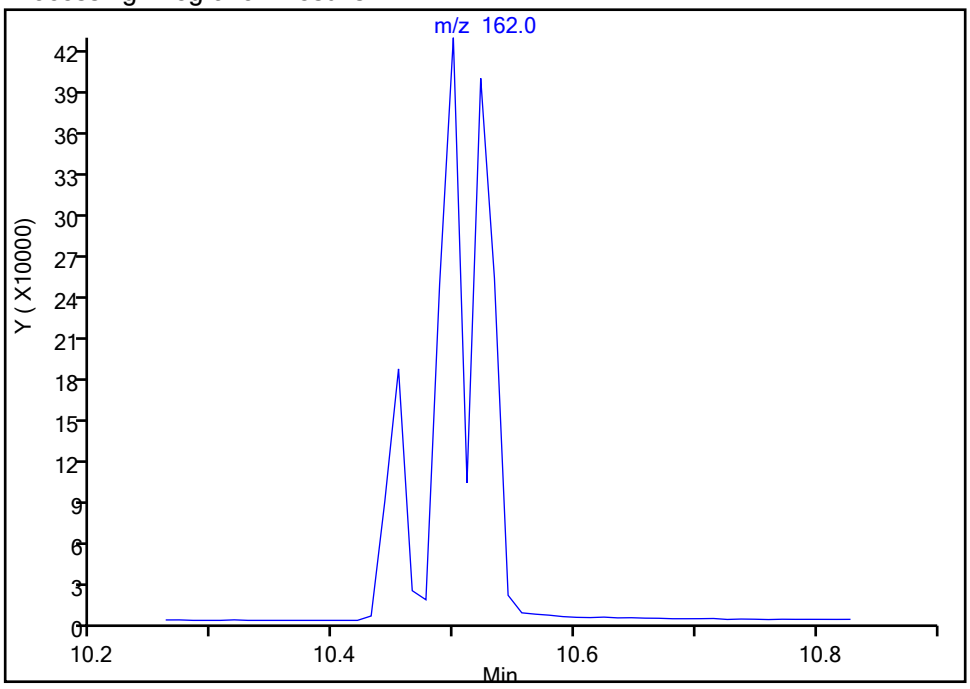
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Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

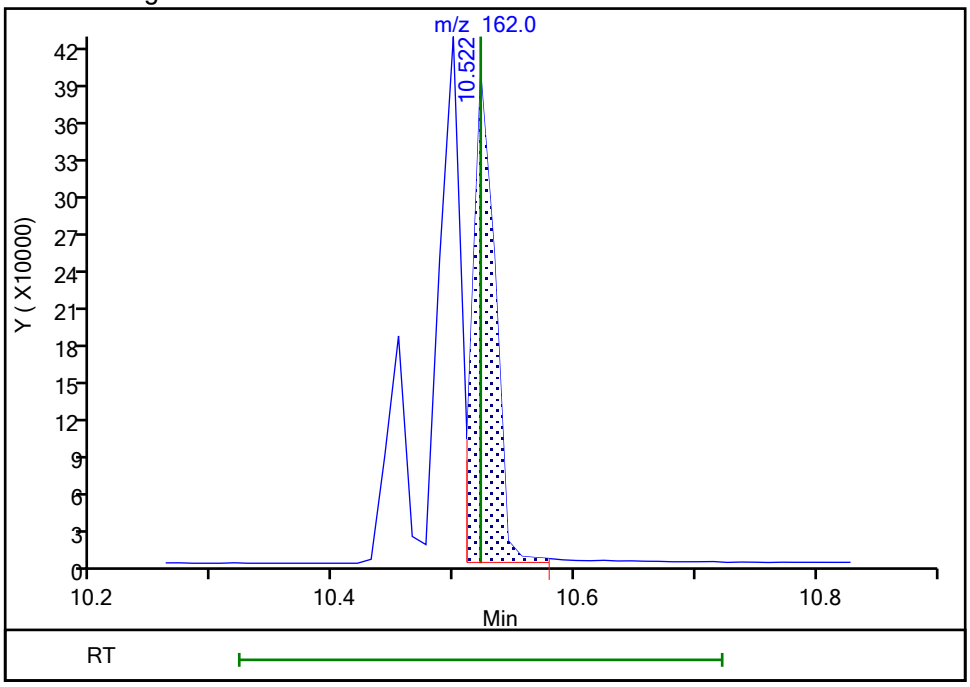
Not Detected
Expected RT: 10.52

Processing Integration Results



Manual Integration Results

RT: 10.52
Area: 489728
Amount: 7.457330
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:06:02
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

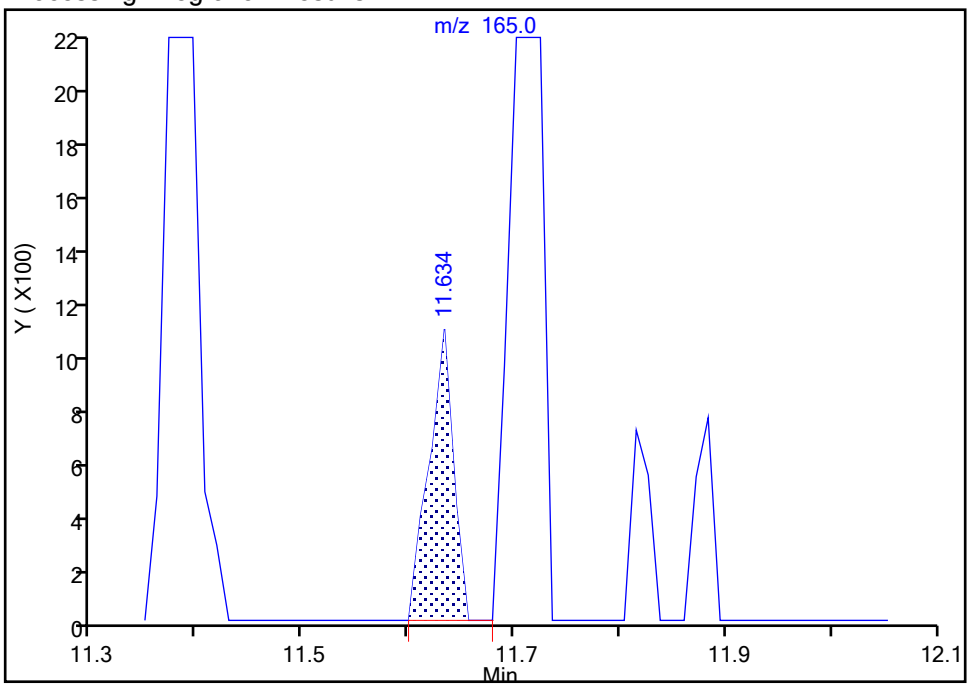
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Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

100 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

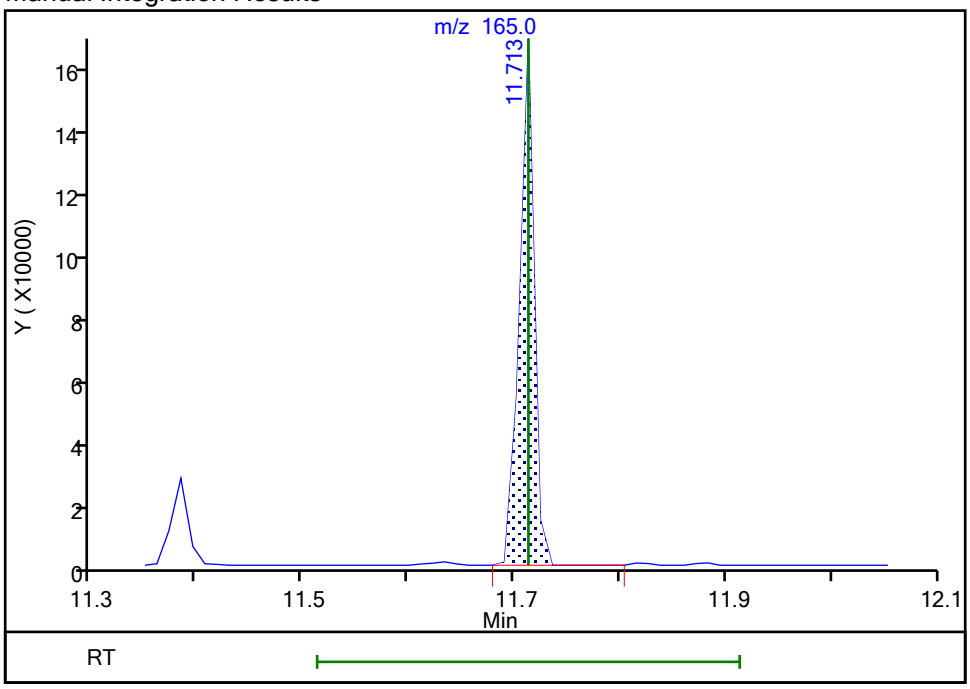
Processing Integration Results

RT: 11.63
Area: 1685
Amount: 0.084925
Amount Units: ug/ml



Manual Integration Results

RT: 11.71
Area: 156543
Amount: 7.889868
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:06:14
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

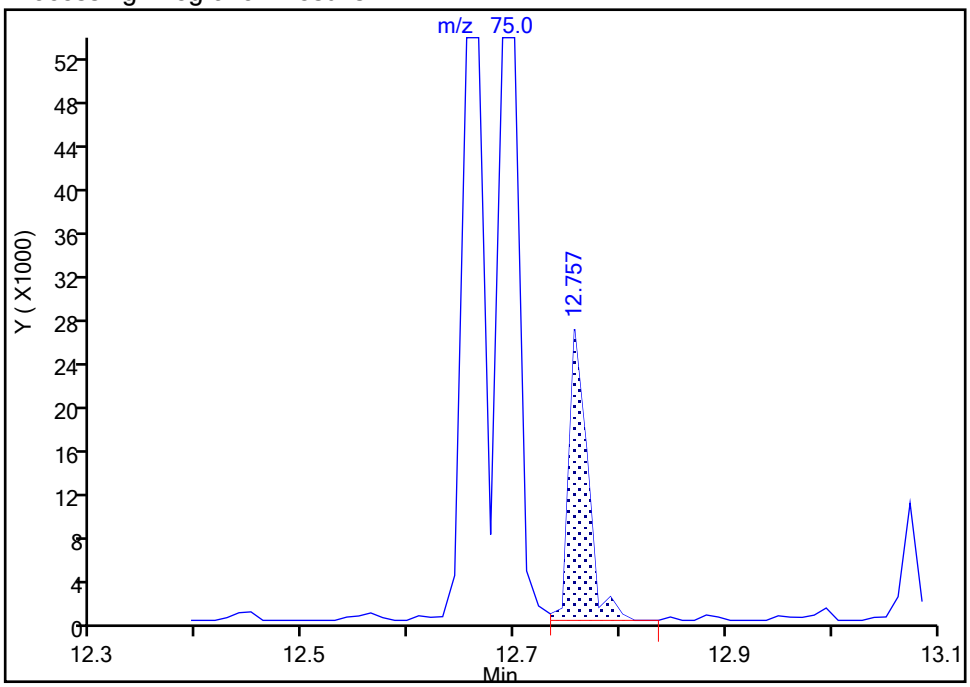
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Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

117 Phorate, CAS: 298-02-2

Signal: 1

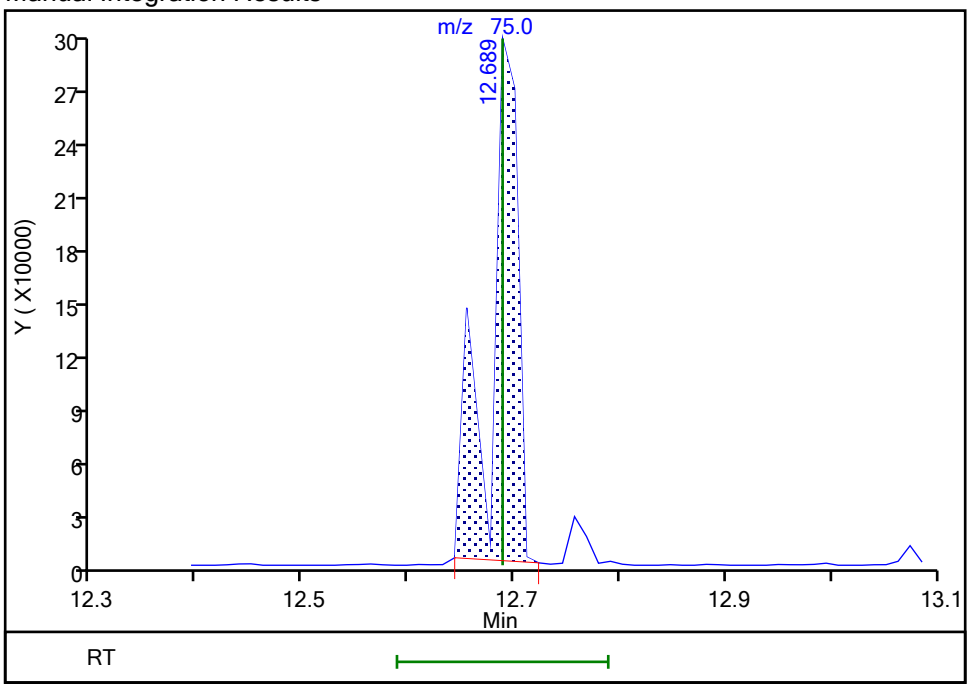
Processing Integration Results

RT: 12.76
Area: 32619
Amount: 0.633521
Amount Units: ug/ml



Manual Integration Results

RT: 12.69
Area: 521114
Amount: 10.120988
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:06:39
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

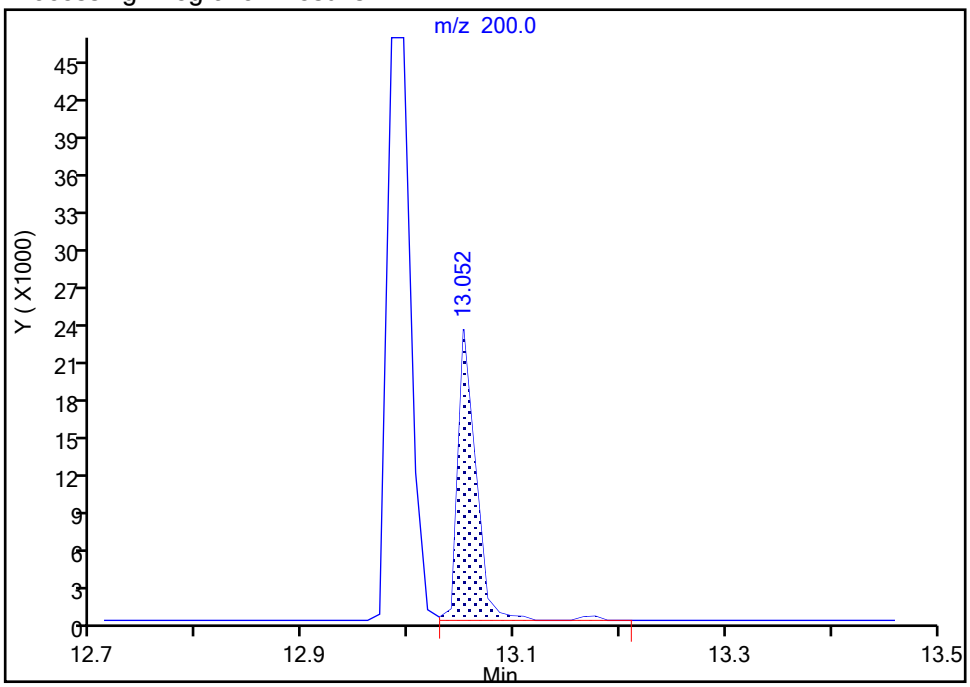
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Injection Date:	06-Jan-2021 10:50:30	Instrument ID:	HP23264
Lims ID:	CCVIS L5		
Client ID:			
Operator ID:	knb25316	ALS Bottle#:	2 Worklist Smp#: 2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

123 Atrazine, CAS: 1912-24-9

Signal: 1

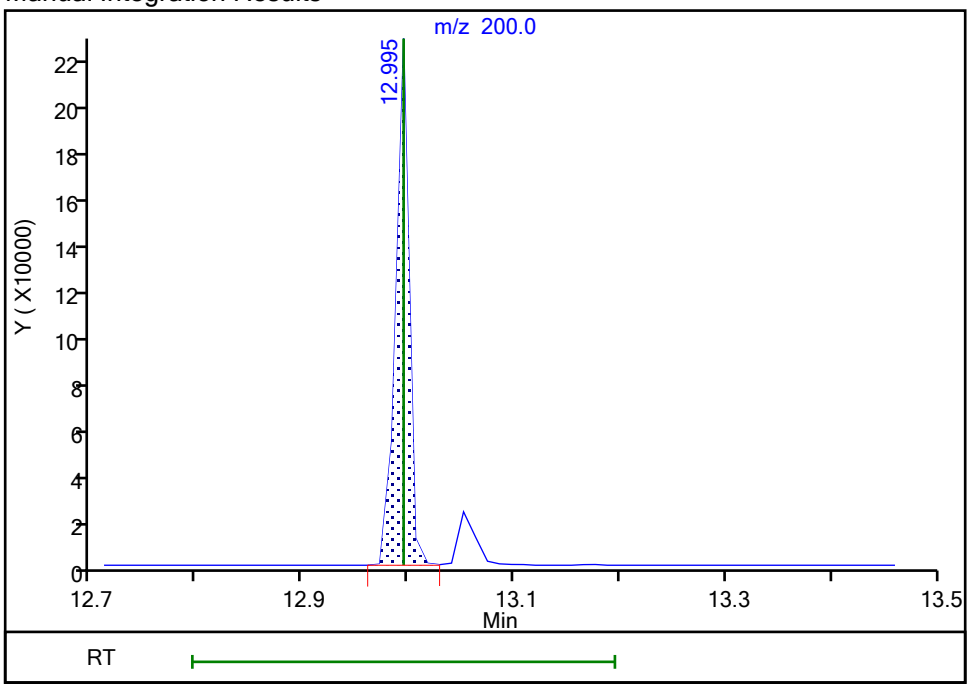
Processing Integration Results

RT: 13.05
Area: 27412
Amount: 1.819359
Amount Units: ug/ml



Manual Integration Results

RT: 12.99
Area: 201897
Amount: 13.400086
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:06:48
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

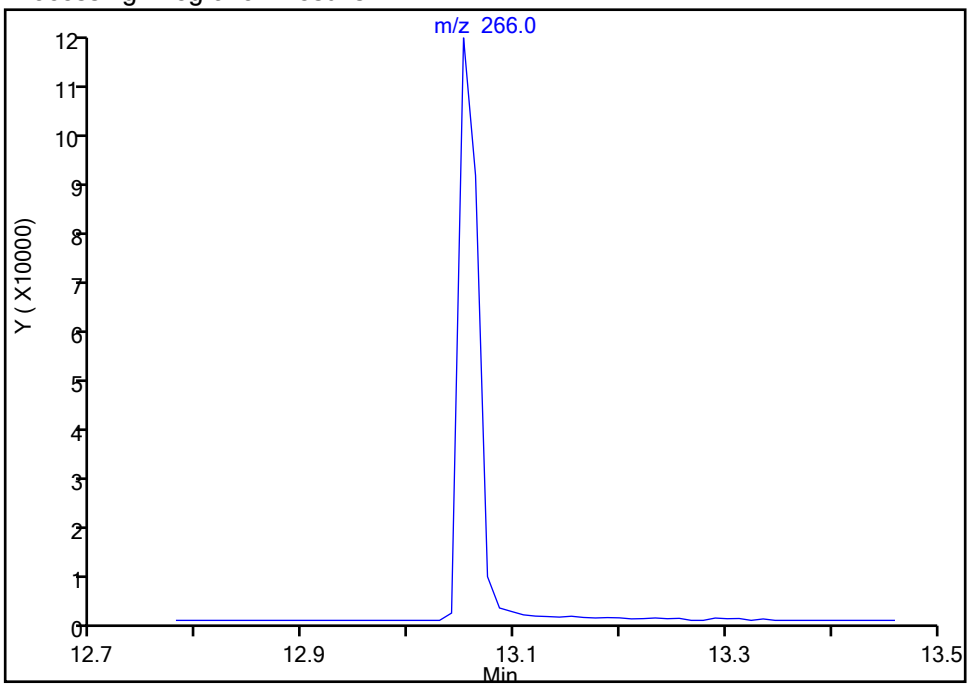
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Injection Date:	06-Jan-2021 10:50:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

124 Pentachlorophenol, CAS: 87-86-5

Signal: 1

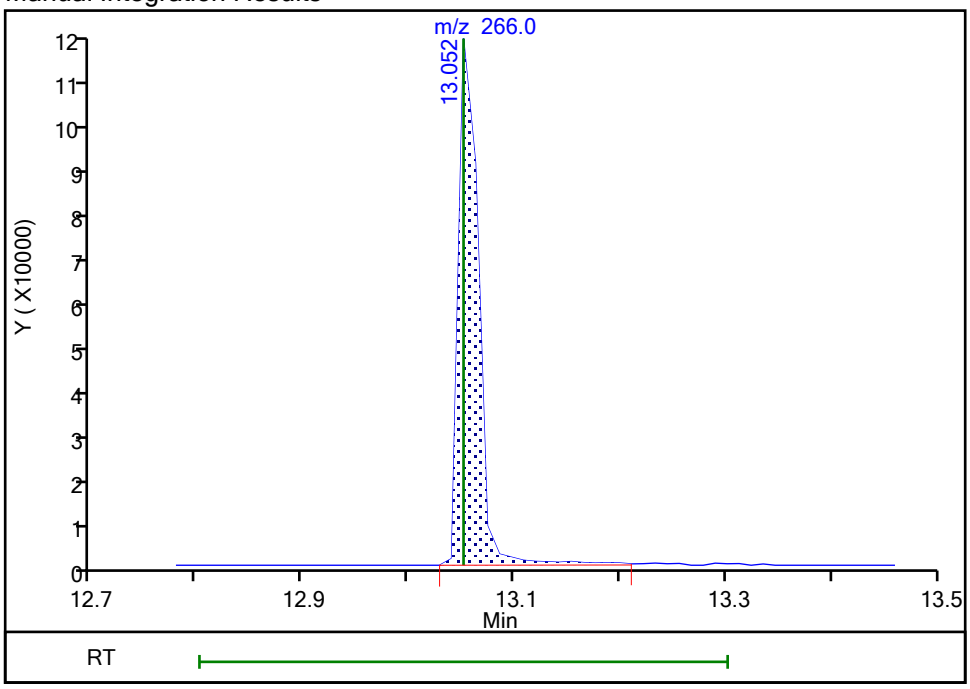
Not Detected
Expected RT: 13.05

Processing Integration Results



Manual Integration Results

RT: 13.05
Area: 148363
Amount: 13.532519
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:06:54
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

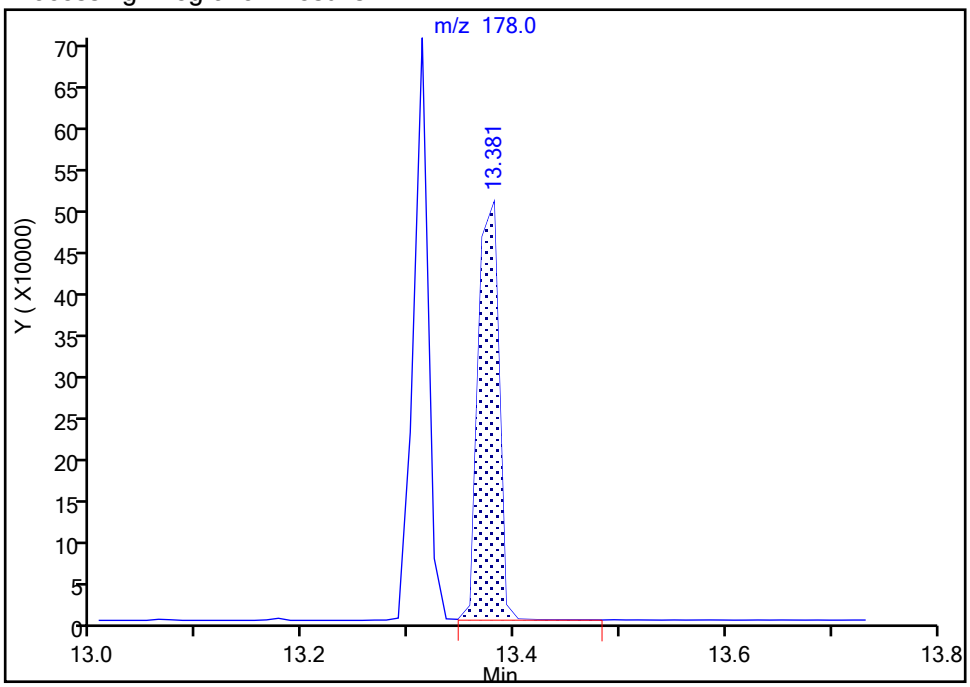
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Injection Date:	06-Jan-2021 10:50:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

130 Phenanthrene, CAS: 85-01-8

Signal: 1

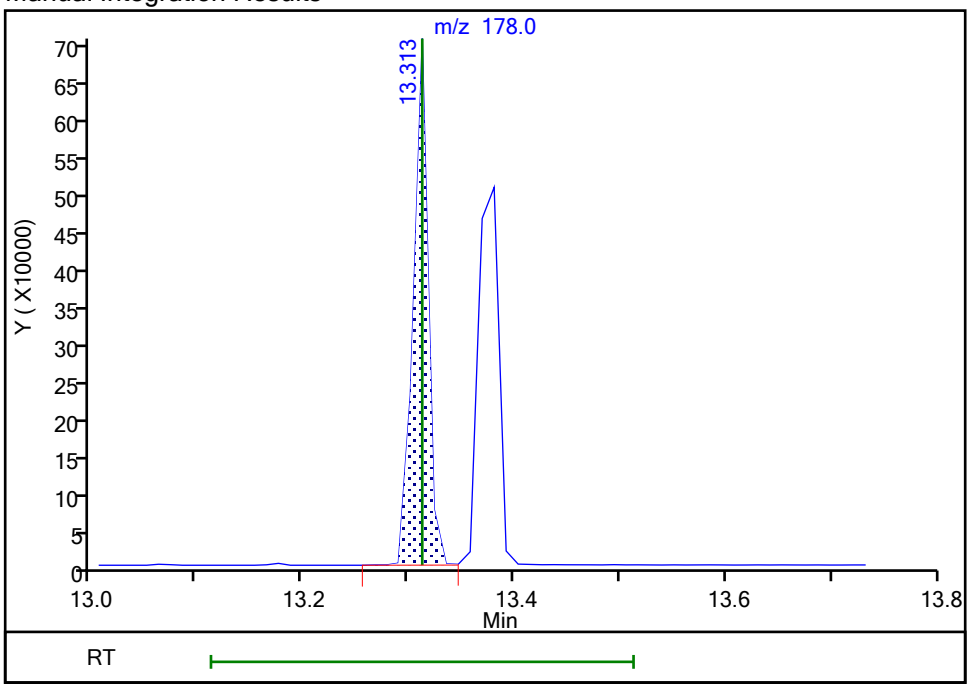
Processing Integration Results

RT: 13.38
Area: 687428
Amount: 7.452465
Amount Units: ug/ml



Manual Integration Results

RT: 13.31
Area: 688216
Amount: 7.461008
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:07:05
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

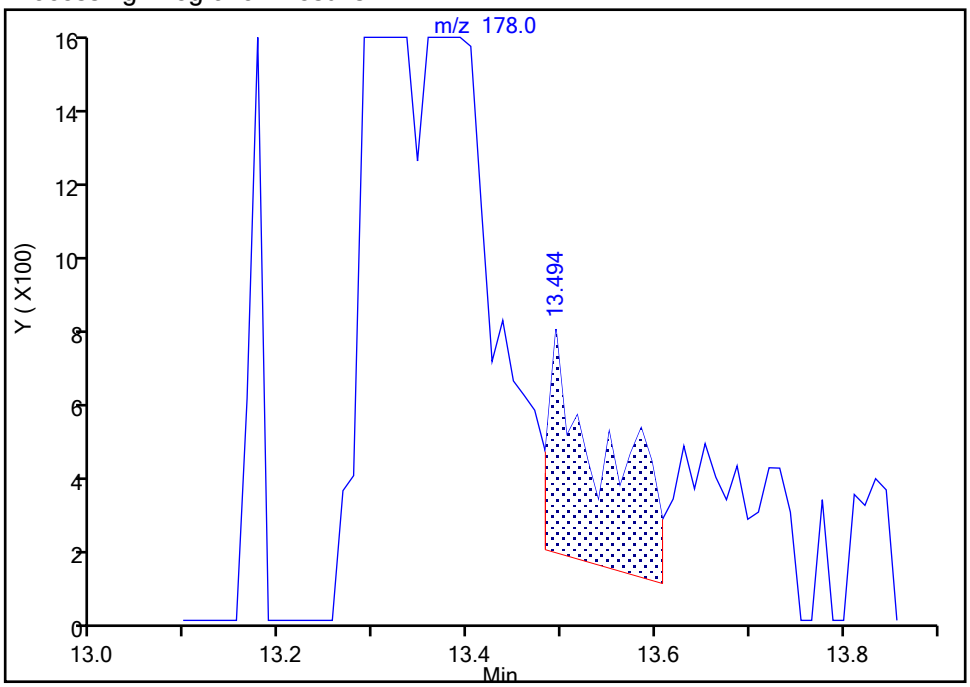
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Injection Date:	06-Jan-2021 10:50:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

131 Anthracene, CAS: 120-12-7

Signal: 1

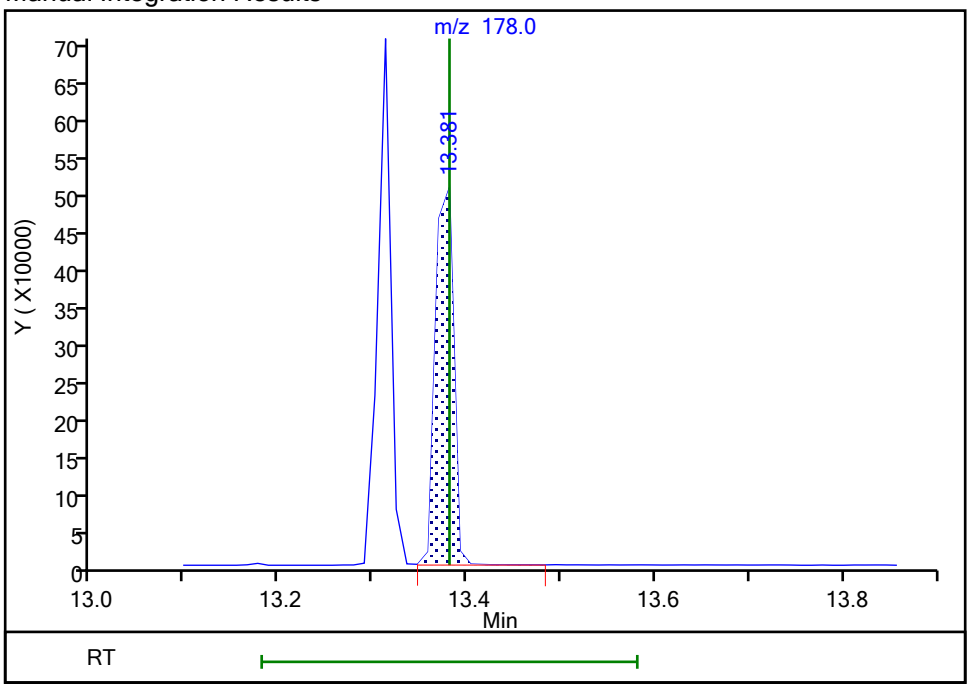
Processing Integration Results

RT: 13.49
Area: 2431
Amount: 0.026610
Amount Units: ug/ml



Manual Integration Results

RT: 13.38
Area: 687428
Amount: 7.524588
Amount Units: ug/ml



Reviewer: beckk, 06-Jan-2021 12:07:09
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-84066/2 Calibration Date: 01/12/2021 13:34

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JA0071.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7684	0.7254		7.08	7.50	-5.6	20.0
N-Nitrosodimethylamine	Ave	1.177	1.145		7.30	7.50	-2.7	20.0
Pyridine	Ave	2.158	1.867		13.0	15.0	-13.5	20.0
2-Picoline	Ave	1.968	1.786		6.81	7.50	-9.2	20.0
N-Nitrosomethylethylamine	Ave	0.8669	0.8401		7.27	7.50	-3.1	20.0
Methyl methanesulfonate	Ave	0.8535	1.063		9.34	7.50	24.5*	20.0
N-Nitrosodiethylamine	Ave	0.7242	0.7644		7.92	7.50	5.5	20.0
Ethyl methanesulfonate	Ave	0.7906	0.7771		7.37	7.50	-1.7	20.0
Benzaldehyde	Ave	1.456	1.383	0.0100	11.9	12.5	-5.0	20.0
Phenol	Ave	2.334	2.252	0.8000	7.24	7.50	-3.5	20.0
Aniline	Ave	2.701	2.555		7.10	7.50	-5.4	20.0
Bis(2-chloroethyl)ether	Ave	1.801	1.710	0.7000	7.12	7.50	-5.0	20.0
2-Chlorophenol	Ave	1.499	1.630	0.8000	8.15	7.50	8.7	20.0
1,3-Dichlorobenzene	Ave	1.600	1.651		7.74	7.50	3.2	20.0
1,4-Dichlorobenzene	Ave	1.615	1.676		7.78	7.50	3.8	20.0
Benzyl alcohol	Ave	1.015	1.040		7.69	7.50	2.5	20.0
1,2-Dichlorobenzene	Ave	1.542	1.595		7.76	7.50	3.4	20.0
Indene	Ave	2.190	2.853		16.3	12.5	30.3*	20.0
2-Methylphenol	Ave	1.427	1.445	0.7000	7.59	7.50	1.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.032	2.931	0.0100	7.25	7.50	-3.3	20.0
N-Nitrosopyrrolidine	Ave	0.7792	0.8208		7.90	7.50	5.3	20.0
Acetophenone	Ave	2.274	2.190	0.0100	7.22	7.50	-3.7	20.0
N-Nitrosodi-n-propylamine	Ave	1.299	1.241	0.5000	7.16	7.50	-4.5	20.0
4-Methylphenol (and/or 3-Methylphenol)	Ave	1.594	1.649	0.6000	7.76	7.50	3.4	20.0
N-Nitrosomorpholine	Ave	1.155	1.098		7.13	7.50	-5.0	20.0
o-Toluidine	Ave	2.443	2.535		7.78	7.50	3.8	20.0
Hexachloroethane	Ave	0.7616	0.7617	0.3000	7.50	7.50	0.0	20.0
Nitrobenzene	Ave	0.5093	0.4489	0.2000	6.61	7.50	-11.9	20.0
N-Nitrosopiperidine	Ave	0.1904	0.1887		7.43	7.50	-0.9	20.0
Isophorone	Ave	0.8066	0.8027	0.4000	7.46	7.50	-0.5	20.0
2-Nitrophenol	Ave	0.1803	0.1650	0.1000	6.86	7.50	-8.5	20.0
2,4-Dimethylphenol	Ave	0.3901	0.3849	0.2000	7.40	7.50	-1.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1430	0.1209		6.34	7.50	-15.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.5302	0.6049	0.3000	8.56	7.50	14.1	20.0
2,4-Dichlorophenol	Ave	0.2803	0.2659	0.2000	7.12	7.50	-5.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3186	0.2893		6.81	7.50	-9.2	20.0
Naphthalene	Ave	1.100	1.134	0.7000	7.73	7.50	3.1	20.0
4-Chloroaniline	Ave	0.4165	0.4812	0.0100	8.67	7.50	15.5	20.0
2,6-Dichlorophenol	Ave	0.2662	0.2605		7.34	7.50	-2.2	20.0
Hexachloropropene	Ave	0.1687	0.1621		7.21	7.50	-3.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-84066/2 Calibration Date: 01/12/2021 13:34

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JA0071.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.1752	0.1434	0.0100	6.14	7.50	-18.1	20.0
Quinoline	Ave	0.6383	0.6834		8.03	7.50	7.1	20.0
Caprolactam	Ave	0.1005	0.1030	0.0100	12.8	12.5	2.5	20.0
N-Nitrosodi-n-butylamine	Ave	0.2977	0.3754		9.46	7.50	26.1*	20.0
4-Chloro-3-methylphenol	Ave	0.3066	0.3114	0.2000	7.62	7.50	1.6	20.0
Safrole, Total	Ave	0.2434	0.2306		7.11	7.50	-5.2	20.0
2-Methylnaphthalene	Ave	0.6697	0.7146	0.4000	8.00	7.50	6.7	20.0
1-Methylnaphthalene	Ave	0.6318	0.6441		7.65	7.50	1.9	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6759	0.6114	0.0100	6.78	7.50	-9.6	20.0
Hexachlorocyclopentadiene	Ave	0.3988	0.4161	0.0500	7.83	7.50	4.3	20.0
Isosafrole Peak 1	Ave	0.6661	0.6676		1.20	1.20	0.2	20.0
2,4,6-Trichlorophenol	Ave	0.4213	0.3608	0.2000	6.42	7.50	-14.4	20.0
2,4,5-Trichlorophenol	Ave	0.4480	0.4166	0.2000	6.97	7.50	-7.0	20.0
Isosafrole Peak 2	Ave	0.6731	0.6953		6.51	6.30	3.3	20.0
1,1'-Biphenyl	Ave	1.928	1.920	0.0100	7.47	7.50	-0.4	20.0
2-Chloronaphthalene	Ave	1.474	1.354	0.8000	6.89	7.50	-8.2	20.0
1-Chloronaphthalene	Ave	1.384	1.356		7.35	7.50	-2.1	20.0
Diphenyl ether	Ave	0.9322	0.9108		7.33	7.50	-2.3	20.0
2-Nitroaniline	Ave	0.4649	0.5120	0.0100	8.26	7.50	10.1	20.0
1,4-Naphthoquinone	Ave	0.5757	0.5844		7.61	7.50	1.5	20.0
1,4-Dinitrobenzene	Ave	0.2006	0.2173		8.12	7.50	8.3	20.0
Dimethyl phthalate	Ave	1.453	1.503	0.0100	7.76	7.50	3.4	20.0
1,3-Dinitrobenzene	Ave	0.2288	0.2414		7.92	7.50	5.5	20.0
2,6-Dinitrotoluene	Ave	0.3239	0.3425	0.2000	7.93	7.50	5.7	20.0
Acenaphthylene	Ave	1.962	2.289	0.9000	8.75	7.50	16.7	20.0
3-Nitroaniline	Ave	0.3721	0.4470	0.0100	9.01	7.50	20.1*	20.0
Acenaphthene	Ave	1.424	1.459	0.9000	7.68	7.50	2.4	20.0
2,4-Dinitrophenol	Ave	0.1671	0.1446	0.0100	15.1	17.5	-13.5	20.0
Pentachlorobenzene	Ave	0.5788	0.5305		6.87	7.50	-8.3	20.0
4-Nitrophenol	Ave	0.2793	0.2694	0.0100	14.5	15.0	-3.5	20.0
Dibenzofuran	Ave	1.856	1.925	0.8000	7.78	7.50	3.7	20.0
2,4-Dinitrotoluene	Ave	0.4183	0.4428	0.2000	7.94	7.50	5.9	20.0
1-Naphthylamine	Ave	1.480	1.670		8.46	7.50	12.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3035	0.2906	0.0100	7.18	7.50	-4.2	20.0
2-Naphthylamine	Ave	1.460	1.591		8.17	7.50	9.0	20.0
Diethyl phthalate	Ave	1.466	1.559	0.0100	7.98	7.50	6.3	20.0
Fluorene	Ave	1.458	1.539	0.9000	7.92	7.50	5.6	20.0
Thionazin	Ave	0.3169	0.3190		7.55	7.50	0.7	20.0
4-Chlorophenyl-phenyl ether	Ave	0.6557	0.6161	0.4000	7.05	7.50	-6.0	20.0
5-Nitro-o-toluidine	Ave	0.3997	0.4817		9.04	7.50	20.5*	20.0
4-Nitroaniline	Ave	0.3872	0.4640	0.0100	8.99	7.50	19.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-84066/2 Calibration Date: 01/12/2021 13:34

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JA0071.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,6-Dinitro-2-methylphenol	Ave	0.1247	0.1122	0.0100	13.5	15.0	-10.0	20.0
N-Nitrosodiphenylamine	Ave	0.6702	0.7448	0.0100	7.08	6.38	11.1	20.0
1,2-Diphenylhydrazine	Ave	1.242	1.294		7.82	7.50	4.2	20.0
Sulfotepp	Ave	0.1819	0.1783		7.35	7.50	-2.0	20.0
cis-Diallate	Ave	0.4734	0.5272		6.18	5.55	11.4	20.0
Phorate	Ave	0.6768	0.6988		7.74	7.50	3.3	20.0
Phenacetin	Ave	0.4318	0.5185		9.00	7.50	20.1*	20.0
4-Bromophenyl-phenylether	Ave	0.2285	0.2179	0.1000	7.15	7.50	-4.6	20.0
trans-Diallate	Ave	0.4821	0.5078		2.05	1.95	5.3	20.0
Hexachlorobenzene	Ave	0.2761	0.2750	0.1000	7.47	7.50	-0.4	20.0
Dimethoate	Ave	0.4308	0.4774		8.31	7.50	10.8	20.0
Atrazine	Ave	0.1980	0.2197	0.0100	13.9	12.5	11.0	20.0
Pentachlorophenol	Ave	0.1441	0.1315	0.0500	13.7	15.0	-8.8	20.0
Pentachloronitrobenzene	Ave	0.1001	0.1020		7.64	7.50	1.8	20.0
4-Aminobiphenyl	Ave	0.5064	1.032		15.3	7.50	103.8*	20.0
Pronamide	Ave	0.3324	0.4205		9.49	7.50	26.5*	20.0
Dinoseb	Qua1		0.1417		7.32	7.50	-2.4	20.0
Phenanthrene	Ave	1.212	1.259	0.7000	7.79	7.50	3.8	20.0
Anthracene	Ave	1.201	1.245	0.7000	7.78	7.50	3.7	20.0
Carbazole	Ave	1.044	1.240	0.0100	8.91	7.50	18.8	20.0
Methyl parathion	Ave	0.3022	0.3839		9.53	7.50	27.1*	20.0
Di-n-butyl phthalate	Ave	1.400	1.676	0.0100	8.97	7.50	19.7	20.0
4-Nitroquinoline-1-oxide	Qua1		0.0887		6.81	7.50	-9.2	20.0
Parathion	Ave	0.1783	0.2270		9.55	7.50	27.3*	20.0
Octachlorostyrene	Ave	0.1030	0.1111		8.09	7.50	7.9	20.0
Isodrin	Ave	0.1375	0.1419		7.74	7.50	3.1	20.0
Fluoranthene	Ave	1.151	1.247	0.6000	8.13	7.50	8.3	20.0
Benzidine	Ave	0.9087	1.014		25.1	22.5	11.5	20.0
Pyrene	Ave	1.417	1.458	0.6000	7.72	7.50	2.9	20.0
p-Dimethylamino azobenzene	Ave	0.2095	0.2403		8.60	7.50	14.7	20.0
Chlorobenzilate	Ave	0.4471	0.5152		8.64	7.50	15.2	20.0
3,3'-Dimethylbenzidine	Ave	0.7608	0.6958		6.86	7.50	-8.5	20.0
Butylbenzylphthalate	Ave	0.6678	0.8403	0.0100	9.44	7.50	25.8*	20.0
2-Acetylaminofluorene	Ave	0.4844	0.5002		7.74	7.50	3.3	20.0
3,3'-Dichlorobenzidine	Ave	0.4422	0.4857	0.0100	8.24	7.50	9.8	20.0
Benzo[a]anthracene	Ave	1.119	1.217	0.8000	8.15	7.50	8.7	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2027	0.2385			7.50	17.6	20.0
Chrysene	Ave	1.154	1.250	0.7000	8.13	7.50	8.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9089	1.101	0.0100	9.09	7.50	21.2*	20.0
6-Methylchrysene	Ave	0.7720	0.8589		8.34	7.50	11.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Lab Sample ID: CCVIS 410-84066/2 Calibration Date: 01/12/2021 13:34

Instrument ID: HP23264 Calib Start Date: 12/03/2020 15:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 12/03/2020 18:43

Lab File ID: JA0071.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.576	1.685	0.0100	8.02	7.50	6.9	20.0
Benzo[b]fluoranthene	Ave	1.238	1.225	0.7000	7.42	7.50	-1.0	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5451	0.5620		7.73	7.50	3.1	20.0
Benzo[k]fluoranthene	Ave	1.244	1.326	0.7000	7.99	7.50	6.6	20.0
Benzo[a]pyrene	Ave	1.188	1.111	0.7000	7.01	7.50	-6.5	20.0
3-Methylcholanthrene	Ave	0.5884	0.5892		7.51	7.50	0.1	20.0
Dibenz[a,h]acridine	Ave	1.005	0.8706		6.50	7.50	-13.3	20.0
Dibenz[a,j]acridine	Ave	1.090	0.997		6.86	7.50	-8.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.152	0.9827	0.5000	6.40	7.50	-14.7	20.0
Dibenz(a,h)anthracene	Ave	1.197	1.145	0.4000	7.17	7.50	-4.4	20.0
Benzo[g,h,i]perylene	Ave	1.264	1.168	0.5000	6.93	7.50	-7.6	20.0
2-Fluorophenol (Surr)	Ave	1.534	1.539		15.1	15.0	0.3	20.0
Phenol-d5 (Surr)	Ave	1.983	1.983		15.0	15.0	-0.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4861	0.4392		13.6	15.0	-9.6	20.0
2-Fluorobiphenyl (Surr)	Ave	1.612	1.539		14.3	15.0	-4.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2244	0.2311		15.4	15.0	3.0	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9376	0.9449		15.1	15.0	0.8	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0071.D
Lims ID: CCVIS L5
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Jan-2021 13:34:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L5
Misc. Info.: 410-0019179-002
Operator ID: knb25316 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub16

Method: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 13-Jan-2021 11:12:12 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: bauera Date: 13-Jan-2021 11:12:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.980	1.980	0.000	98	172091	7.50	7.08	
3 N-Nitrosodimethylamine	74	2.558	2.558	0.000	93	271552	7.50	7.30	
4 Pyridine	79	2.604	2.604	0.000	91	885970	15.0	13.0	
1 Dimethylformamide	73	3.284	3.284	0.000	98	265962	NC	NC	
8 2-Picoline	93	3.829	3.829	0.000	95	423787	7.50	6.81	
10 N-Nitrosomethylethylamine	88	4.033	4.033	0.000	97	199294	7.50	7.27	
11 Methyl methanesulfonate	80	4.498	4.498	0.000	86	252118	7.50	9.34	
$ 12 2-Fluorophenol	112	4.748	4.748	0.000	94	730039	15.0	15.1	
13 N-Nitrosodiethylamine	102	5.077	5.077	0.000	94	181332	7.50	7.92	
15 Ethyl methanesulfonate	109	5.542	5.542	0.000	97	184354	7.50	7.37	
19 Benzaldehyde	77	5.996	5.996	0.000	95	546989	12.5	11.9	
$ 20 Phenol-d5	99	6.132	6.132	0.000	95	940744	15.0	15.0	
21 Phenol	94	6.154	6.154	0.000	97	534169	7.50	7.24	
23 Aniline	93	6.166	6.166	0.000	96	606227	7.50	7.10	
24 Bis(2-chloroethyl)ether	93	6.290	6.290	0.000	94	405751	7.50	7.12	
25 2-Chlorophenol	128	6.324	6.324	0.000	96	386625	7.50	8.15	
26 1,3-Dichlorobenzene	146	6.551	6.551	0.000	96	391683	7.50	7.74	
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	158157	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.676	6.676	0.000	92	397489	7.50	7.78	
30 Benzyl alcohol	108	6.869	6.869	0.000	92	246793	7.50	7.69	
31 1,2-Dichlorobenzene	146	6.892	6.892	0.000	96	378380	7.50	7.76	
34 Indene	115	7.028	7.028	0.000	89	1128058	12.5	16.3	
33 2-Methylphenol	108	7.062	7.062	0.000	93	342851	7.50	7.59	
35 2,2'-oxybis[1-chloropropane]	45	7.096	7.096	0.000	93	695267	7.50	7.25	
36 N-Nitrosopyrrolidine	100	7.232	7.232	0.000	89	194731	7.50	7.90	
38 Acetophenone	105	7.266	7.266	0.000	96	519547	7.50	7.22	
39 N-Nitrosodi-n-propylamine	70	7.289	7.289	0.000	89	294323	7.50	7.16	
37 4-Methylphenol	108	7.300	7.300	0.000	89	391126	7.50	7.76	
40 N-Nitrosomorpholine	56	7.300	7.300	0.000	87	260497	7.50	7.13	
41 2-Toluidine	106	7.311	7.311	0.000	94	601345	7.50	7.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 Hexachloroethane	117	7.402	7.402	0.000	93	180711	7.50	7.50	
$ 43 Nitrobenzene-d5	82	7.482	7.482	0.000	90	828724	15.0	13.6	
44 Nitrobenzene	77	7.516	7.516	0.000	87	423514	7.50	6.61	
45 N-Nitrosopiperidine	114	7.742	7.742	0.000	81	178024	7.50	7.43	
47 Isophorone	82	7.890	7.890	0.000	99	757284	7.50	7.46	
48 2-Nitrophenol	139	8.003	8.003	0.000	95	155661	7.50	6.86	
49 2,4-Dimethylphenol	107	8.117	8.117	0.000	96	363150	7.50	7.40	
51 o,o',o''-Triethylphosphorothioat	198	8.230	8.230	0.000	92	114047	7.50	6.34	
52 Bis(2-chloroethoxy)methane	93	8.264	8.264	0.000	95	570671	7.50	8.56	M
54 2,4-Dichlorophenol	162	8.378	8.378	0.000	97	250867	7.50	7.12	
55 1,2,4-Trichlorobenzene	180	8.514	8.514	0.000	93	272945	7.50	6.81	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	628960	5.00	5.00	
57 Naphthalene	128	8.616	8.616	0.000	97	1070194	7.50	7.73	
17 Alpha-Terpineol	59	8.673	8.673	0.000	94	344753	NC	NC	
58 4-Chloroaniline	127	8.729	8.729	0.000	95	454028	7.50	8.67	
59 2,6-Dichlorophenol	162	8.741	8.741	0.000	96	245722	7.50	7.34	
61 Hexachloropropene	213	8.763	8.763	0.000	88	152958	7.50	7.21	
62 Hexachlorobutadiene	225	8.843	8.843	0.000	95	135328	7.50	6.14	
63 Quinoline	129	9.149	9.149	0.000	96	644707	7.50	8.03	
64 Caprolactam	113	9.263	9.263	0.000	76	161914	12.5	12.8	
22 p-Phenylene diamine	108	9.297	9.297	0.000	96	338334	NC	NC	
65 N-Nitrosodi-n-butylamine	84	9.297	9.297	0.000	95	354151	7.50	9.46	M
67 4-Chloro-3-methylphenol	107	9.535	9.535	0.000	97	293804	7.50	7.62	
68 Safrole, Total	162	9.626	9.626	0.000	86	217554	7.50	7.11	
S 60 Diallate	86				0		7.50	8.23	
69 2-Methylnaphthalene	142	9.728	9.728	0.000	92	674144	7.50	8.00	
70 1-Methylnaphthalene	142	9.875	9.875	0.000	93	607628	7.50	7.65	
72 1,2,4,5-Tetrachlorobenzene	216	9.989	9.989	0.000	93	230149	7.50	6.78	
71 Hexachlorocyclopentadiene	237	9.989	9.989	0.000	90	156640	7.50	7.83	
73 Isosafrole Peak 1	162	10.091	10.091	0.000	87	40209	1.20	1.20	
74 2,4,6-Trichlorophenol	196	10.193	10.193	0.000	94	135818	7.50	6.42	
76 2,4,5-Trichlorophenol	196	10.238	10.238	0.000	88	156838	7.50	6.97	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1158888	15.0	14.3	
78 Isosafrole Peak 2	162	10.454	10.454	0.000	89	219885	6.30	6.51	
80 1,1'-Biphenyl	154	10.488	10.488	0.000	97	722874	7.50	7.47	
81 2-Chloronaphthalene	162	10.499	10.499	0.000	97	509603	7.50	6.89	M
82 1-Chloronaphthalene	162	10.522	10.522	0.000	1	510477	7.50	7.35	M
83 Phenyl ether	170	10.669	10.669	0.000	89	342881	7.50	7.33	
84 2-Nitroaniline	138	10.681	10.681	0.000	81	192755	7.50	8.26	
85 1,4-Naphthoquinone	158	10.794	10.794	0.000	84	219990	7.50	7.61	
86 1,4-Dinitrobenzene	168	10.919	10.919	0.000	87	81814	7.50	8.12	
87 Dimethyl phthalate	163	11.021	11.021	0.000	97	565661	7.50	7.76	
89 1,3-Dinitrobenzene	168	11.032	11.032	0.000	80	90893	7.50	7.92	
90 2,6-Dinitrotoluene	165	11.100	11.100	0.000	92	128921	7.50	7.93	
S 79 Isosafrole	162				0		7.50	7.71	
91 Acenaphthylene	152	11.146	11.146	0.000	99	861651	7.50	8.75	
92 3-Nitroaniline	138	11.350	11.350	0.000	92	168289	7.50	9.01	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	96	250972	5.00	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	97	549174	7.50	7.68	
95 2,4-Dinitrophenol	184	11.520	11.520	0.000	83	127018	17.5	15.1	
99 Pentachlorobenzene	250	11.634	11.634	0.000	96	199723	7.50	6.87	
97 4-Nitrophenol	109	11.645	11.645	0.000	94	202868	15.0	14.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	11.702	11.702	0.000	96	724745	7.50	7.78	
100 2,4-Dinitrotoluene	165	11.713	11.713	0.000	89	166680	7.50	7.94	
102 1-Naphthylamine	143	11.815	11.815	0.000	99	628723	7.50	8.46	
103 2,3,4,6-Tetrachlorophenol	232	11.883	11.883	0.000	87	109410	7.50	7.18	
104 2-Naphthylamine	143	11.917	11.917	0.000	96	599090	7.50	8.17	
105 Diethyl phthalate	149	12.076	12.076	0.000	96	587076	7.50	7.98	
107 Fluorene	166	12.155	12.155	0.000	93	579399	7.50	7.92	
106 Thionazin	107	12.178	12.178	0.000	78	120095	7.50	7.55	
109 4-Chlorophenyl phenyl ether	204	12.189	12.189	0.000	84	231947	7.50	7.05	
110 N-Nitro-o-toluidine	152	12.189	12.189	0.000	74	181330	7.50	9.04	
108 4-Nitroaniline	138	12.201	12.201	0.000	91	174690	7.50	8.99	
111 4,6-Dinitro-2-methylphenol	198	12.246	12.246	0.000	84	138128	15.0	13.5	
112 N-Nitrosodiphenylamine	169	12.337	12.337	0.000	65	389699	6.38	7.08	
113 1,2-Diphenylhydrazine	77	12.371	12.371	0.000	42	796428	7.50	7.82	
$ 114 2,4,6-Tribromophenol	330	12.450	12.450	0.000	93	174004	15.0	15.4	
115 Sulfotepp	97	12.552	12.552	0.000	82	109738	7.50	7.35	
167 1,3,5-Trinitrobenzene	213	12.666	12.666	0.000	81	44445	NC	NC	
117 Phorate	75	12.689	12.689	0.000	95	430140	7.50	7.74	M
116 cis-Diallate	86	12.689	12.689	0.000	92	240152	5.55	6.18	
118 Phenacetin	108	12.723	12.723	0.000	92	319131	7.50	9.00	
119 4-Bromophenyl phenyl ether	248	12.768	12.768	0.000	78	134145	7.50	7.15	
120 trans-Diallate	86	12.791	12.791	0.000	96	81271	1.95	2.05	
121 Hexachlorobenzene	284	12.802	12.802	0.000	91	169294	7.50	7.47	
122 Dimethoate	87	12.881	12.881	0.000	97	293853	7.50	8.31	
123 Atrazine	200	12.995	12.995	0.000	87	225430	12.5	13.9	
124 Pentachlorophenol	266	13.052	13.052	0.000	86	161851	15.0	13.7	
126 Pentachloronitrobenzene	237	13.063	13.063	0.000	78	62763	7.50	7.64	
125 4-Aminobiphenyl	169	13.074	13.074	0.000	90	635348	7.50	15.3	
127 Pronamide	173	13.176	13.176	0.000	90	258812	7.50	9.49	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	97	410360	5.00	5.00	
129 Dinoseb	211	13.312	13.312	0.000	66	87198	7.50	7.32	
130 Phenanthrene	178	13.312	13.312	0.000	99	774897	7.50	7.79	
66 Disulfoton	88	13.324	13.324	0.000	96	452596	NC	NC	
131 Anthracene	178	13.369	13.369	0.000	99	766590	7.50	7.78	
132 Carbazole	167	13.596	13.596	0.000	96	763278	7.50	8.91	
133 Methyl parathion	109	13.800	13.800	0.000	90	236318	7.50	9.53	
134 Di-n-butyl phthalate	149	14.107	14.107	0.000	100	1031428	7.50	8.97	
135 Ethyl Parathion	109	14.333	14.333	0.000	80	139743	7.50	9.55	
136 4-Nitroquinoline-1-oxide	190	14.333	14.333	0.000	80	54591	7.50	6.81	
137 Octachlorostyrene	308	14.662	14.662	0.000	94	68395	7.50	8.09	
138 Isodrin	193	14.708	14.708	0.000	87	87330	7.50	7.74	
139 Fluoranthene	202	14.923	14.923	0.000	99	767772	7.50	8.13	
140 Benzidine	184	15.162	15.162	0.000	99	1649378	22.5	25.1	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	361625	5.00	5.00	
142 Pyrene	202	15.252	15.252	0.000	94	791075	7.50	7.72	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	97	1025136	15.0	15.1	
144 p-Dimethylamino azobenzene	225	15.785	15.785	0.000	90	130353	7.50	8.60	
145 Chlorobenzilate	139	15.876	15.876	0.000	82	279444	7.50	8.64	
96 Famphur	218	16.285	16.285	0.000	91	187008	NC	NC	
146 3,3'-Dimethylbenzidine	212	16.341	16.341	0.000	98	377451	7.50	6.86	
147 Butyl benzyl phthalate	149	16.398	16.398	0.000	96	455835	7.50	9.44	
148 2-Acetylaminofluorene	181	16.750	16.750	0.000	94	271353	7.50	7.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
149 Benzo[a]anthracene	228	17.249	17.249	0.000	98	659965	7.50	8.15	
150 3,3'-Dichlorobenzidine	252	17.249	17.249	0.000	62	263465	7.50	8.24	
151 4,4'-Methylene bis(2-chloroanil	231	17.272	17.272	0.000	93	129364	7.50	8.82	
152 Chrysene	228	17.306	17.306	0.000	96	678153	7.50	8.13	
153 Bis(2-ethylhexyl) phthalate	149	17.464	17.464	0.000	97	597437	7.50	9.09	
154 6-Methylchrysene	242	18.100	18.100	0.000	98	465887	7.50	8.34	
155 Di-n-octyl phthalate	149	18.621	18.621	0.000	99	941196	7.50	8.02	
156 Benzo[b]fluoranthene	252	19.087	19.087	0.000	97	684521	7.50	7.42	
157 7,12-Dimethylbenz(a)anthracene	256	19.098	19.098	0.000	92	313967	7.50	7.73	
158 Benzo[k]fluoranthene	252	19.132	19.132	0.000	97	740631	7.50	7.99	
159 Benzo[a]pyrene	252	19.608	19.608	0.000	82	620469	7.50	7.01	
* 160 Perylene-d12	264	19.699	19.699	0.000	95	372465	5.00	5.00	
161 3-Methylcholanthrene	268	20.187	20.187	0.000	95	329170	7.50	7.51	
162 Dibenz[a,h]acridine	279	20.992	20.992	0.000	92	486393	7.50	6.50	
163 Dibenz[a,j]acridine	279	21.060	21.060	0.000	95	556948	7.50	6.86	
164 Indeno[1,2,3-cd]pyrene	276	21.299	21.299	0.000	96	549042	7.50	6.40	
165 Dibenz(a,h)anthracene	278	21.344	21.344	0.000	95	639515	7.50	7.17	
166 Benzo[g,h,i]perylene	276	21.662	21.662	0.000	93	652752	7.50	6.93	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_5_00014 Amount Added: 1.00 Units: mL

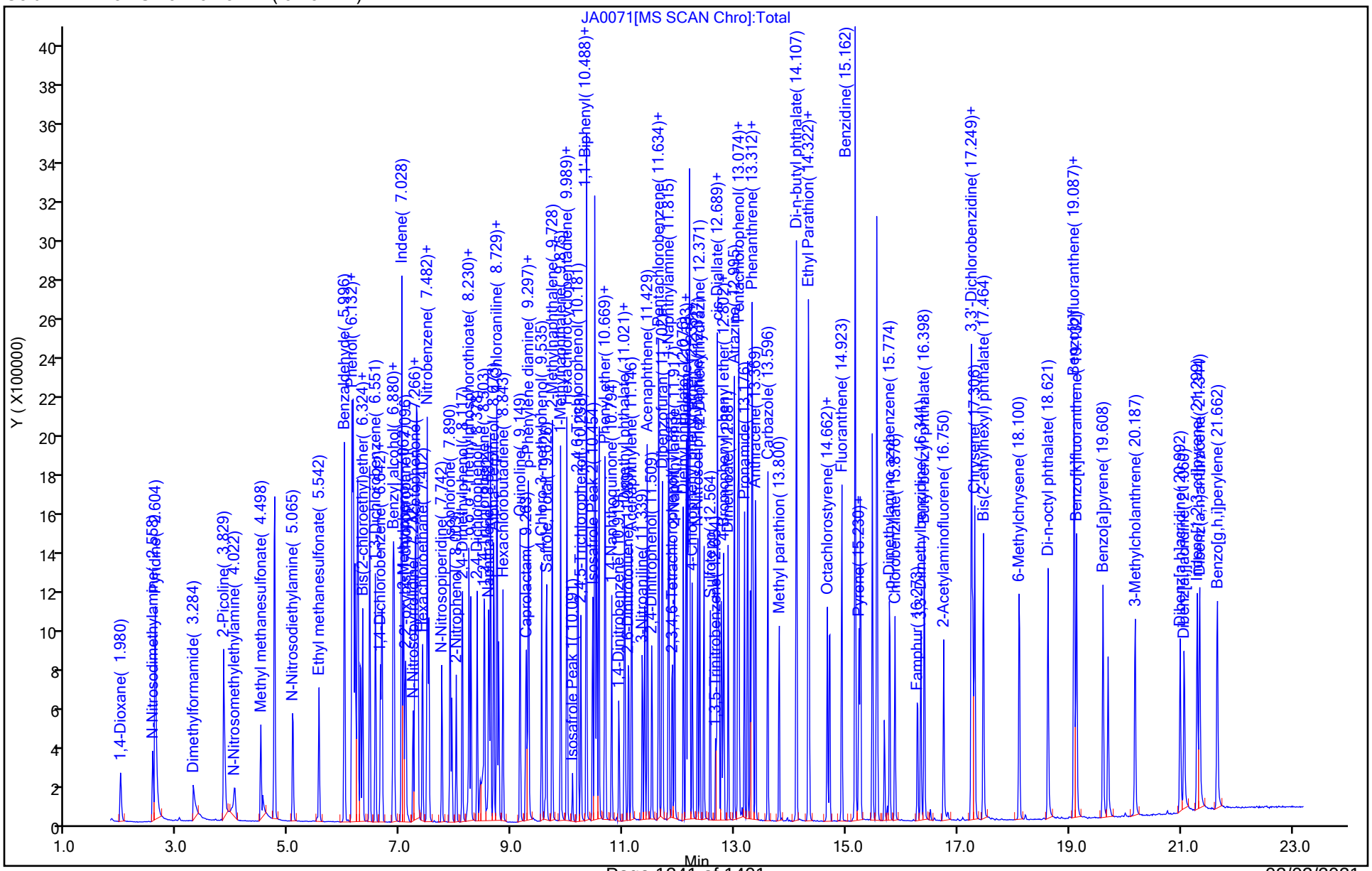
Report Date: 13-Jan-2021 11:12:17 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0071.D

Injection Date:	12-Jan-2021 13:34:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	CCVIS L5			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

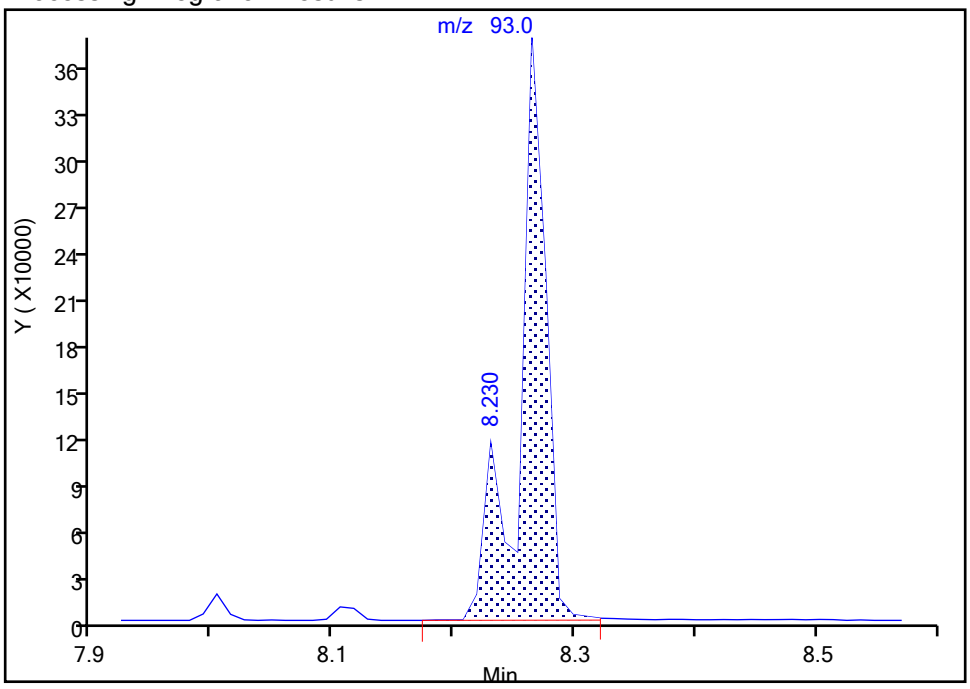
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Injection Date:	12-Jan-2021 13:34:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Signal: 1

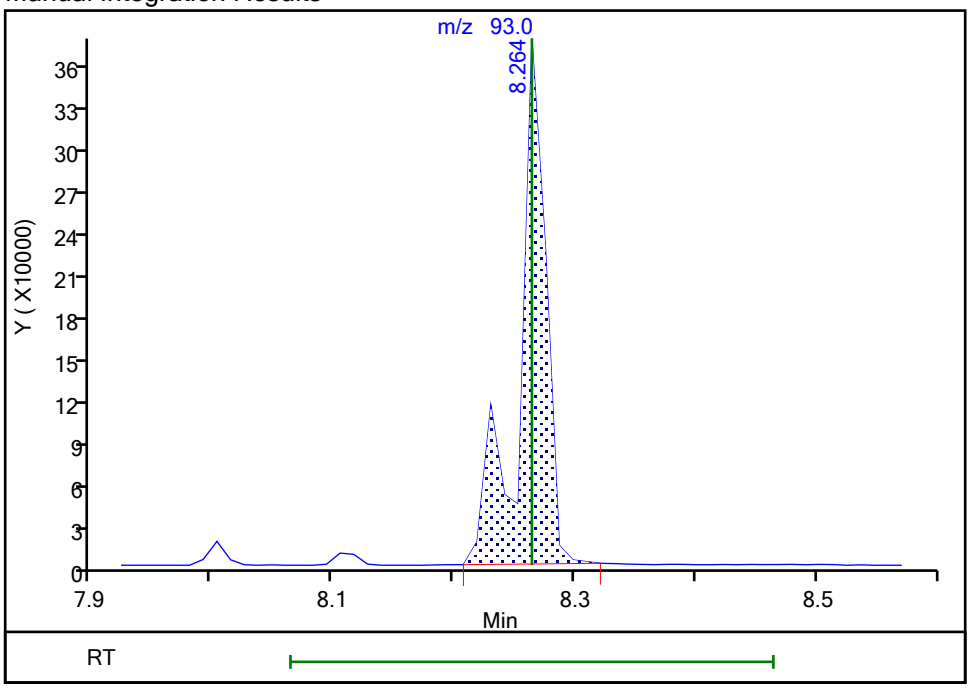
Processing Integration Results

RT: 8.23
Area: 576615
Amount: 8.645436
Amount Units: ug/ml



Manual Integration Results

RT: 8.26
Area: 570671
Amount: 8.556315
Amount Units: ug/ml



Reviewer: beckk, 12-Jan-2021 14:06:48
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

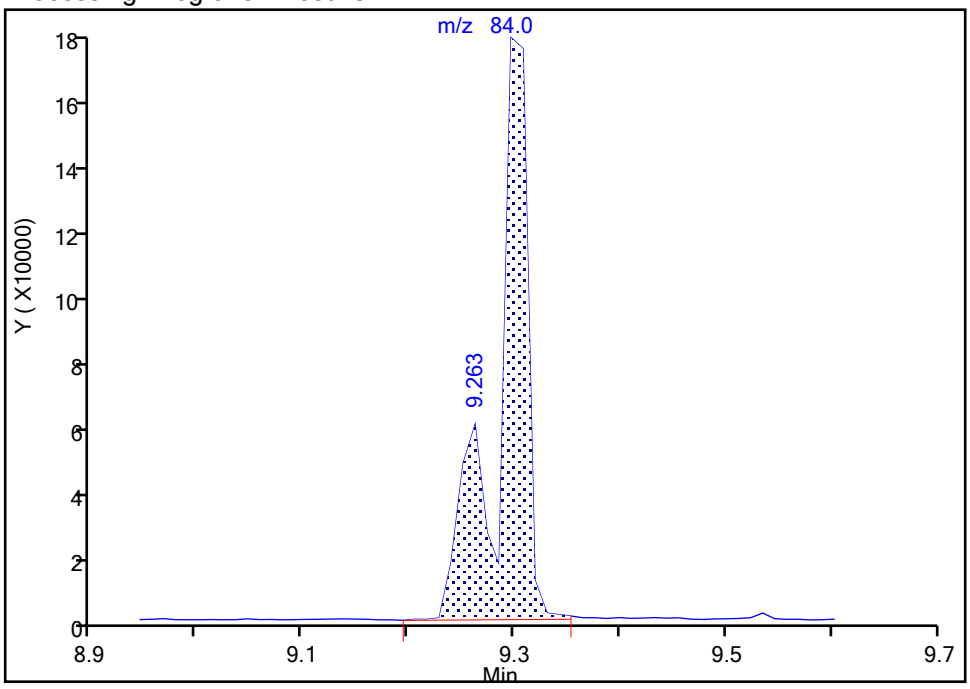
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0071.D				
Injection Date:	12-Jan-2021 13:34:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

65 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Signal: 1

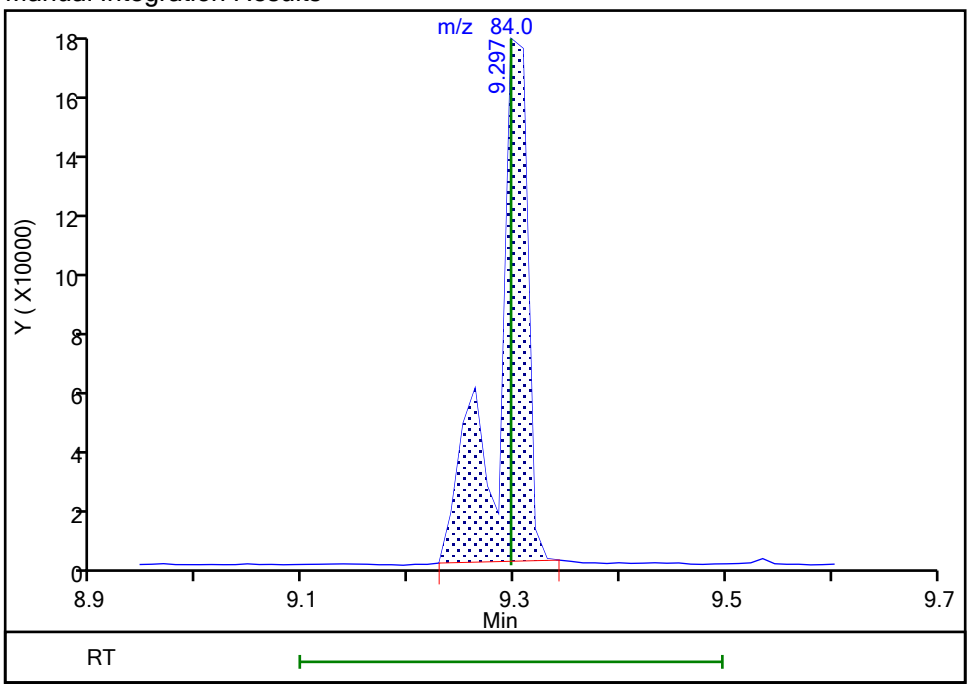
Processing Integration Results

RT: 9.26
Area: 362614
Amount: 9.684495
Amount Units: ug/ml



Manual Integration Results

RT: 9.30
Area: 354151
Amount: 9.458470
Amount Units: ug/ml



Reviewer: beckk, 12-Jan-2021 14:07:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

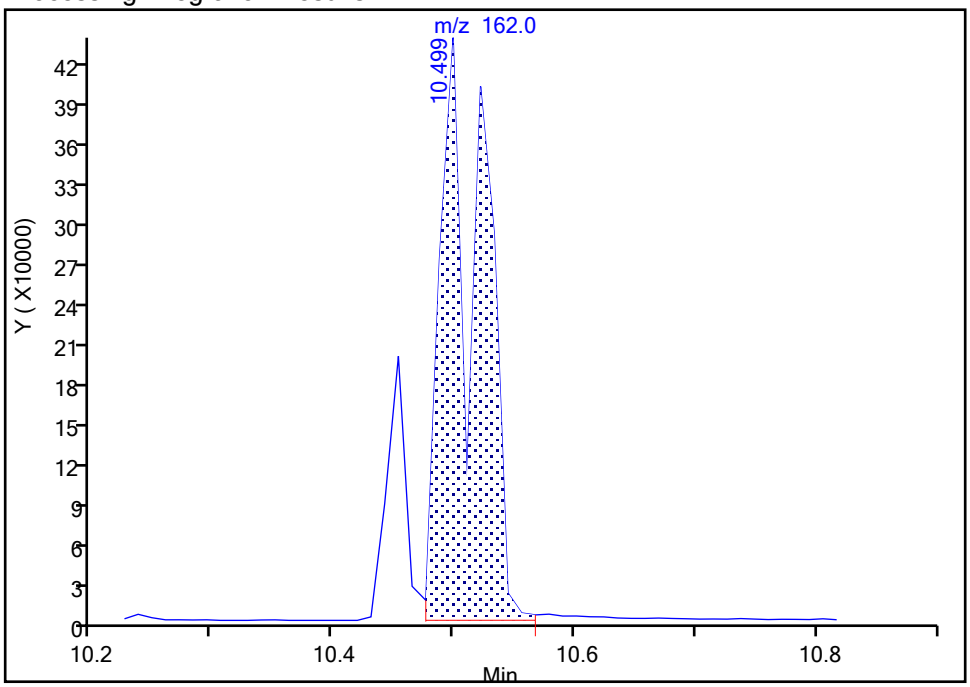
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0071.D				
Injection Date:	12-Jan-2021 13:34:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

81 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

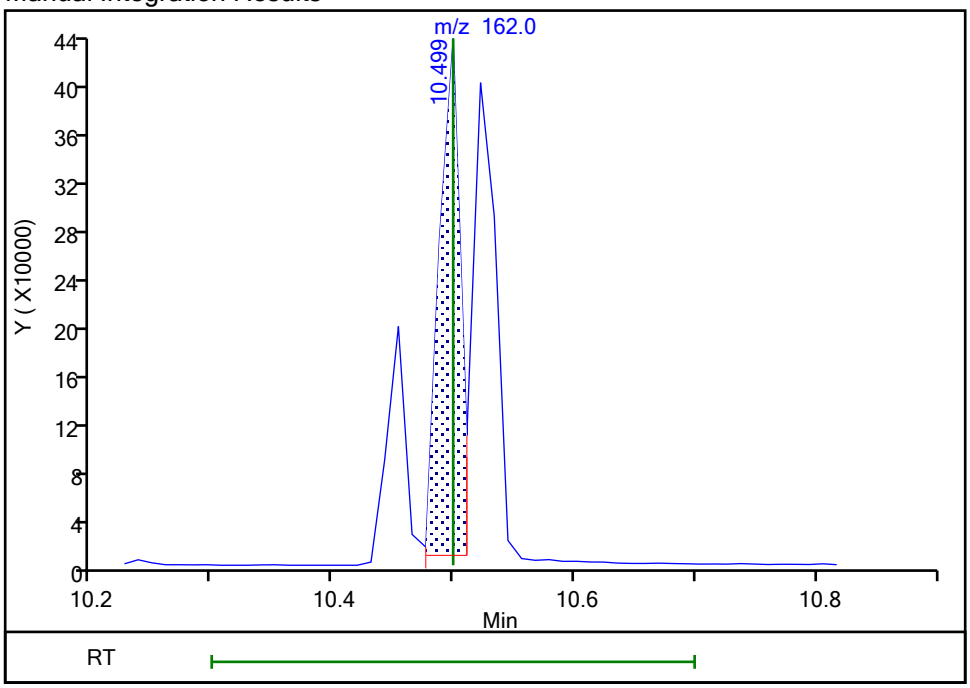
Processing Integration Results

RT: 10.50
Area: 1054417
Amount: 14.247580
Amount Units: ug/ml



Manual Integration Results

RT: 10.50
Area: 509603
Amount: 6.885899
Amount Units: ug/ml



Reviewer: beckk, 12-Jan-2021 14:07:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

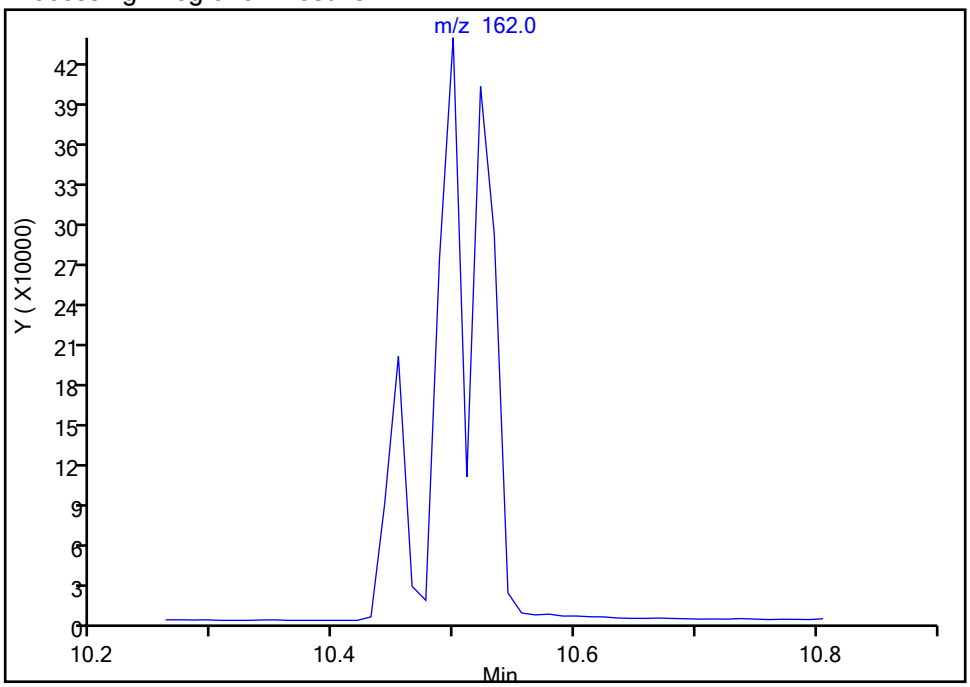
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0071.D				
Injection Date:	12-Jan-2021 13:34:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

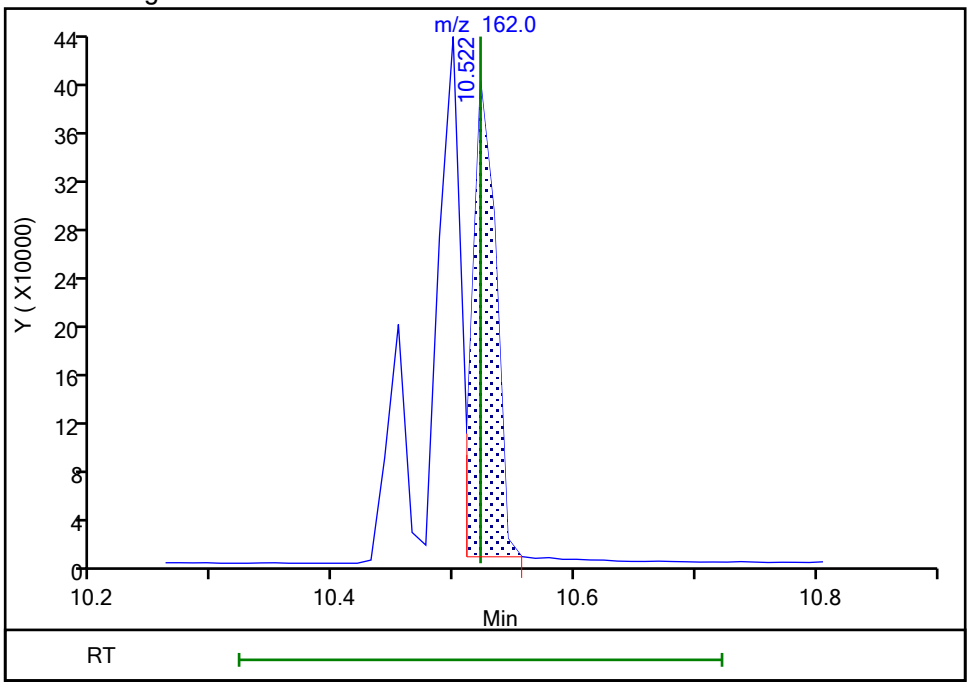
Not Detected
Expected RT: 10.52

Processing Integration Results



Manual Integration Results

RT: 10.52
Area: 510477
Amount: 7.346234
Amount Units: ug/ml



Reviewer: beckk, 12-Jan-2021 14:07:30
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

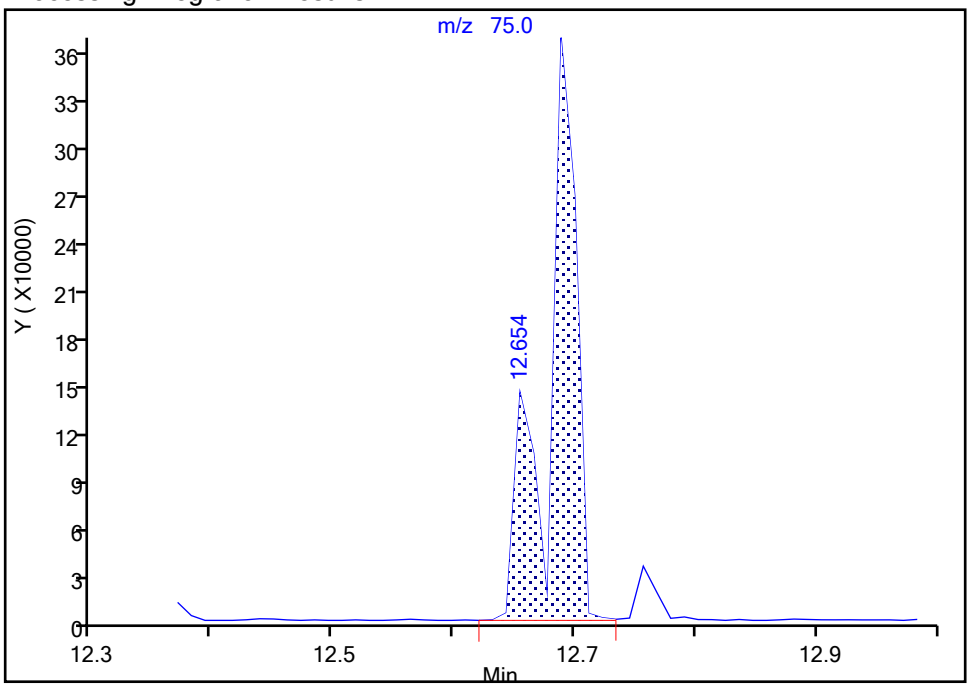
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0071.D				
Injection Date:	12-Jan-2021 13:34:30	Instrument ID:	HP23264		
Lims ID:	CCVIS L5				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

117 Phorate, CAS: 298-02-2

Signal: 1

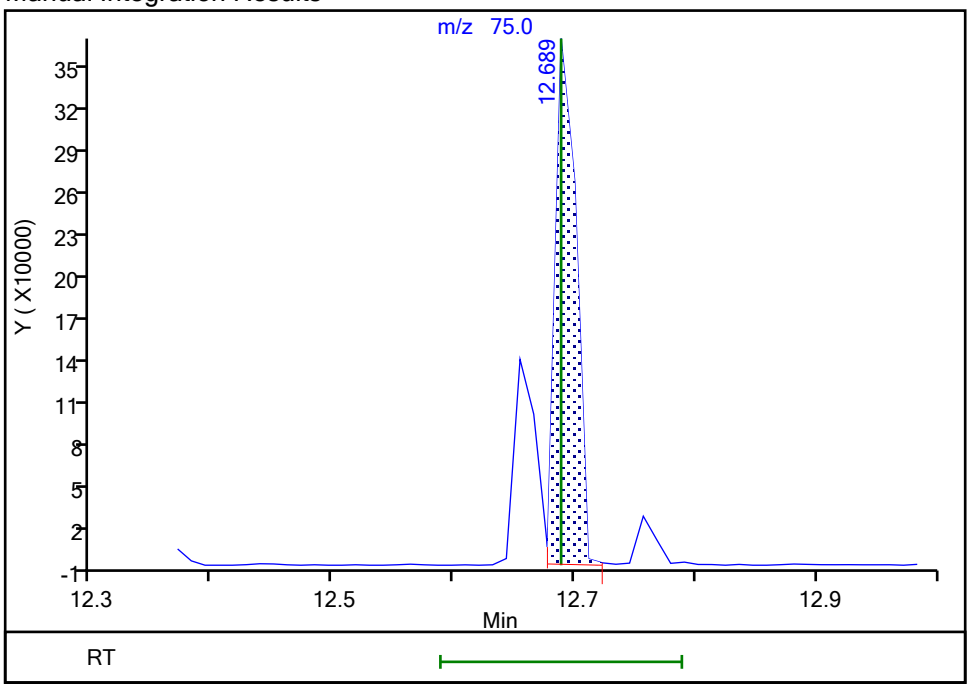
Processing Integration Results

RT: 12.65
Area: 605723
Amount: 10.904981
Amount Units: ug/ml



Manual Integration Results

RT: 12.69
Area: 430140
Amount: 7.743917
Amount Units: ug/ml



Reviewer: beckk, 12-Jan-2021 14:07:50
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 24-Nov-2020 21:24:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0016459-001
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 25-Nov-2020 09:33:28 Calib Date: 25-Nov-2020 02:20:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1908.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: williamss Date: 24-Nov-2020 21:45:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.667	4.667	0.000	93	421876	NR	NR	
14 Benzidine_T	184	5.909	5.909	0.000	99	1614398	NR	NR	
178 DFTPP									
180 4,4'-DDE	246	6.065	6.065	0.000	88	1680		NR	
179 4,4'-DDD	235	6.342	6.342	0.000	92	1856		NR	
181 4,4'-DDT	235	6.590	6.590	0.000	98	1049275	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

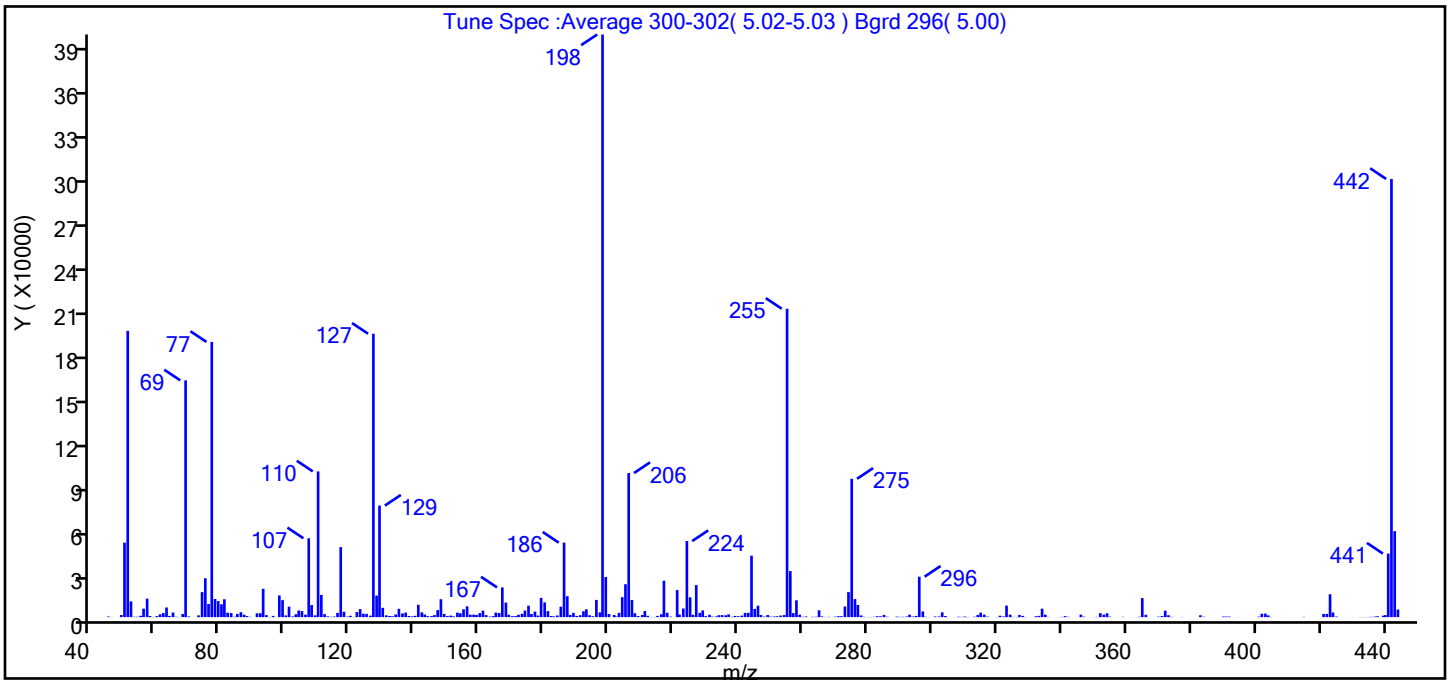
MSS_RVDFTPP_00004 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D
Injection Date: 24-Nov-2020 21:24:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (133.0)
51	10-80% of the base peak	49.1
68	<2% of mass 69	0.5 (1.3)
69	Present	40.6
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	48.6
197	<2% of mass 198	0.8
199	5-9% of mass 198	6.9
275	10-60% of the base peak	23.7
365	>1% of mass 198	3.3
441	present but <24% of mass 442	10.9 (14.5)
442	base peak, or >50% of 198	75.2
443	15-24% of mass 442	14.8 (19.6)

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D\MSSemi_HP18831.rslt\spectra.
Injection Date: 24-Nov-2020 21:24:30
Spectrum: Tune Spec :Average 300-302(5.02-5.03) Bgrd 296(5.00)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 331

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	431	133.00	554	216.00	1929	304.00	773
46.00	80	134.00	1812	217.00	24448	307.00	51
49.00	1431	135.00	5603	218.00	2922	308.00	286
50.00	50056	136.00	2509	219.00	323	309.00	198
51.00	192384	137.00	3062	221.00	18200	310.00	417
52.00	10585	138.00	812	222.00	1777	311.00	156
53.00	256	139.00	517	223.00	5785	313.00	288
54.00	259	140.00	886	224.00	51136	314.00	1424
55.00	926	141.00	8317	225.00	13334	315.00	3016
56.00	5696	142.00	3254	226.00	1573	316.00	1697
57.00	12463	143.00	1776	227.00	21536	317.00	360
58.00	766	144.00	677	228.00	2903	320.00	132
59.00	101	145.00	696	229.00	4521	321.00	939
60.00	742	146.00	1391	230.00	698	322.00	447
61.00	1927	147.00	4744	231.00	1617	323.00	7767
62.00	2736	148.00	12048	232.00	330	324.00	1689
63.00	6498	149.00	2198	233.00	480	325.00	194
64.00	828	150.00	714	234.00	1304	326.00	148
65.00	3094	151.00	1054	235.00	1370	327.00	1493
66.00	254	152.00	532	236.00	1260	328.00	855
67.00	80	153.00	3008	237.00	1890	329.00	144
68.00	2132	154.00	2580	238.00	241	332.00	627
69.00	159104	155.00	5278	239.00	801	333.00	846
70.00	461	156.00	7271	240.00	611	334.00	5703
73.00	1225	157.00	1676	241.00	1031	335.00	1686
74.00	16792	158.00	1696	242.00	2826	336.00	140
75.00	26168	159.00	1463	243.00	2916	339.00	65
76.00	8874	160.00	2671	244.00	41320	340.00	154
77.00	184960	161.00	4349	245.00	5541	341.00	706
78.00	12226	162.00	1377	246.00	7714	342.00	267
79.00	10807	163.00	386	247.00	1477	346.00	1714
80.00	8634	164.00	701	248.00	395	347.00	343
81.00	12006	165.00	3082	249.00	1443	348.00	51

Report Date: 25-Nov-2020 09:33:28 Chrom Revision: 2.3 13-Nov-2020 01:23:02
Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D\MSSemi_HP18831.rslt\spectra.
Injection Date: 24-Nov-2020 21:24:30
Spectrum: Tune Spec :Average 300-302(5.02-5.03) Bgrd 296(5.00)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 331

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	2977	166.00	2765	250.00	339	350.00	82
83.00	2766	167.00	19968	251.00	444	351.00	167
84.00	242	168.00	9798	252.00	597	352.00	2701
85.00	2197	169.00	1596	253.00	1067	353.00	1693
86.00	3344	170.00	676	254.00	1417	354.00	2614
87.00	1636	171.00	716	255.00	207232	355.00	322
88.00	735	172.00	1594	256.00	30960	359.00	207
89.00	199	173.00	2242	257.00	2707	363.00	74
91.00	2559	174.00	4441	258.00	11314	364.00	273
92.00	2605	175.00	7667	259.00	1635	365.00	12789
93.00	19024	176.00	2159	260.00	232	366.00	1584
94.00	1357	177.00	3731	261.00	453	367.00	56
95.00	109	178.00	1070	263.00	240	370.00	319
96.00	839	179.00	12928	264.00	281	371.00	730
97.00	43	180.00	9899	265.00	4590	372.00	4314
98.00	14587	181.00	4038	266.00	491	373.00	1299
99.00	11460	182.00	773	267.00	126	374.00	195
100.00	1151	183.00	521	268.00	203	377.00	111
101.00	7034	184.00	1107	269.00	55	383.00	1263
102.00	481	185.00	7059	270.00	323	384.00	264
103.00	1926	186.00	50064	271.00	661	390.00	422
104.00	4474	187.00	14084	272.00	620	391.00	398
105.00	4092	188.00	1486	273.00	7148	392.00	378
106.00	1696	189.00	2912	274.00	16800	395.00	64
107.00	53000	190.00	842	275.00	92968	401.00	347
108.00	8131	191.00	1284	276.00	12128	402.00	2267
109.00	1217	192.00	3950	277.00	8204	403.00	2373
110.00	97928	193.00	5293	278.00	1152	404.00	1160
111.00	14953	194.00	1290	279.00	246	405.00	130
112.00	1995	195.00	609	280.00	106	415.00	197
113.00	517	196.00	11571	281.00	126	421.00	2184
114.00	226	197.00	3196	282.00	231	422.00	2203
115.00	418	198.00	391552	283.00	626	423.00	15363
116.00	2895	199.00	27008	284.00	575	424.00	3130

Report Date: 25-Nov-2020 09:33:28 Chrom Revision: 2.3 13-Nov-2020 01:23:02
Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D\MSSemi_HP18831.rslt\spectra.
Injection Date: 24-Nov-2020 21:24:30
Spectrum: Tune Spec :Average 300-302(5.02-5.03) Bgrd 296(5.00)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 331

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	47056	200.00	2095	285.00	1510	425.00	387
118.00	3606	202.00	1466	286.00	295	430.00	64
119.00	351	202.00	478	289.00	360	432.00	56
120.00	893	203.00	2886	290.00	192	434.00	77
121.00	168	204.00	13431	291.00	243	434.00	70
122.00	3428	205.00	22152	292.00	404	435.00	133
123.00	5422	206.00	96840	293.00	1669	436.00	219
124.00	2310	207.00	11550	294.00	406	437.00	404
125.00	2194	208.00	2619	295.00	825	438.00	589
126.00	1007	209.00	787	296.00	27192	440.00	986
127.00	190464	210.00	1440	297.00	3825	440.00	1364
128.00	14488	211.00	4106	298.00	245	441.00	42720
129.00	74952	212.00	919	299.00	74	442.00	294464
130.00	6260	213.00	80	301.00	428	443.00	57784
131.00	1196	214.00	149	302.00	463	444.00	5122
132.00	812	215.00	868	303.00	3208		

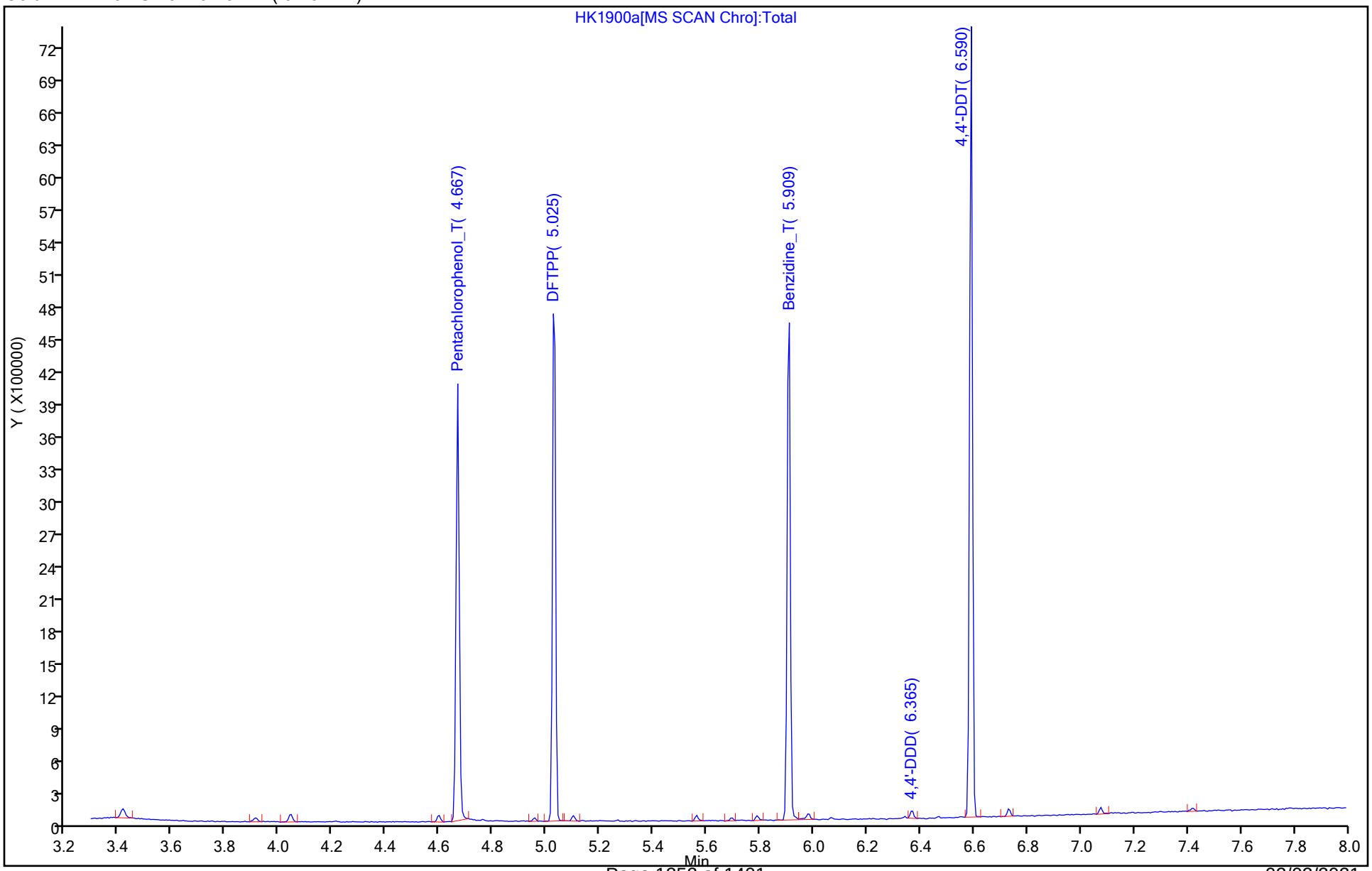
Report Date: 25-Nov-2020 09:33:28 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D

Injection Date:	24-Nov-2020 21:24:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D
Injection Date: 24-Nov-2020 21:24:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

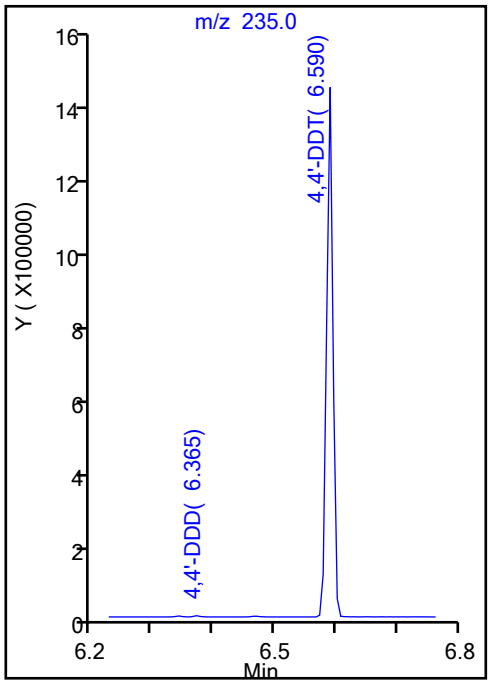
181 4,4'-DDT, Detector: MS SCAN

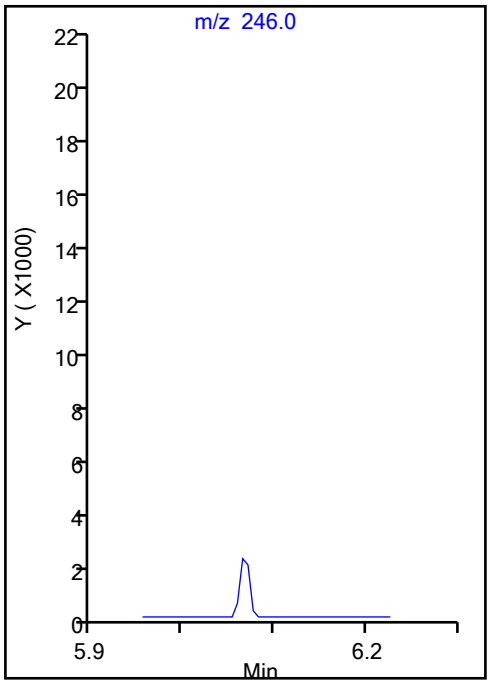
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 1049275
179 4,4'-DDD, Area = 1856
180 4,4'-DDE, Area = 1680

%Breakdown: 0.34%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

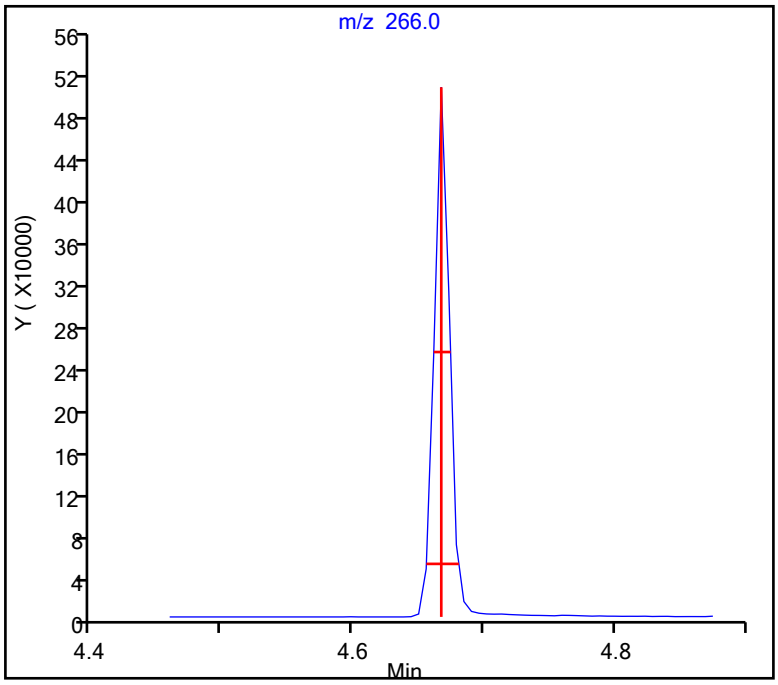
Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D
Injection Date: 24-Nov-2020 21:24:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.2, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

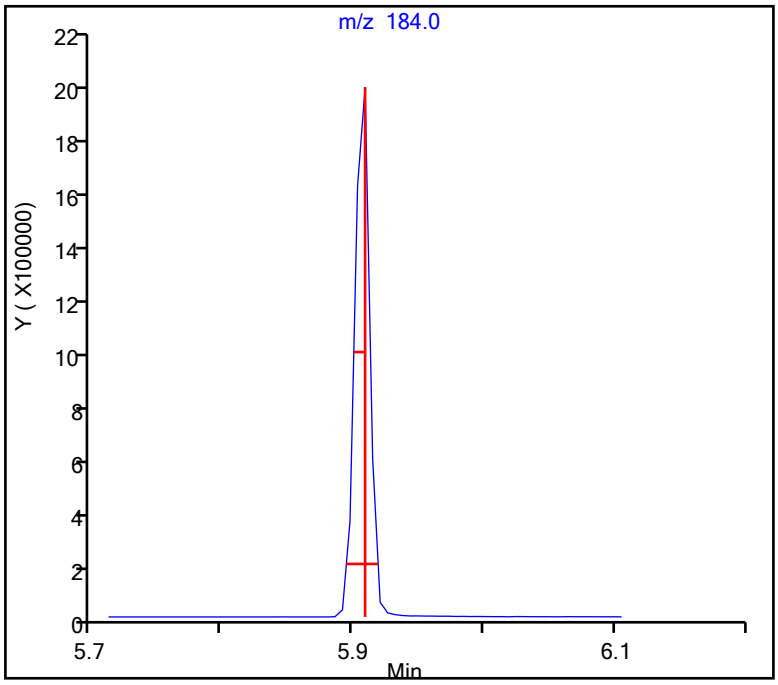
Data File: \\chromfs\Lancaster\ChromData\HP18831\20201124-16459.b\HK1900a.D
Injection Date: 24-Nov-2020 21:24:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Jan-2021 22:09:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0019389-001
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:56 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: williamss Date: 06-Jan-2021 22:58:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.419	4.419	0.000	93	425082	NR	NR	
14 Benzidine_T	184	5.666	5.666	0.000	99	1705236	NR	NR	
178 DFTPP									
180 4,4'-DDE	246	5.822	5.822	0.000	89	1624		NR	
179 4,4'-DDD	235	6.099	6.099	0.000	94	2373		NR	
181 4,4'-DDT	235	6.348	6.348	0.000	98	1208450	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

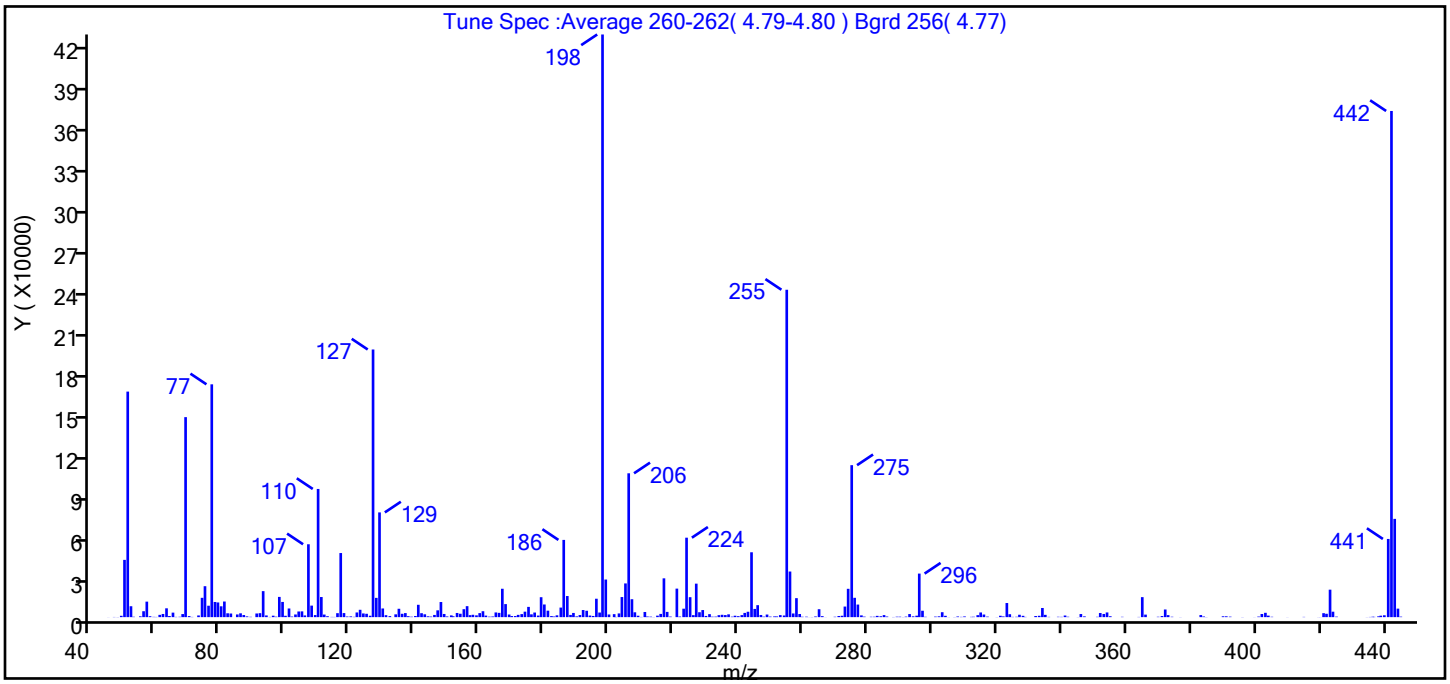
MSS_RVDFTPP_00006 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D
Injection Date: 06-Jan-2021 22:09:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (115.1)
51	10-80% of the base peak	38.7
68	<2% of mass 69	0.5 (1.5)
69	Present	34.3
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	45.9
197	<2% of mass 198	0.8
199	5-9% of mass 198	6.5
275	10-60% of the base peak	26.1
365	>1% of mass 198	3.4
441	present but <24% of mass 442	13.4 (15.4)
442	base peak, or >50% of 198	86.9
443	15-24% of mass 442	16.9 (19.4)

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 06-Jan-2021 22:09:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	51	133.00	25	216.00	2360	307.00	95
47.00	128	134.00	2049	217.00	28312	308.00	479
48.00	91	135.00	6107	218.00	3825	309.00	198
49.00	982	136.00	2445	219.00	411	310.00	512
50.00	41784	137.00	2955	221.00	20808	312.00	209
51.00	164544	138.00	701	222.00	430	313.00	293
52.00	7957	139.00	328	223.00	6163	314.00	1454
53.00	290	140.00	817	224.00	57968	315.00	3411
55.00	603	141.00	9010	225.00	14564	316.00	1903
56.00	4321	142.00	2874	226.00	1450	317.00	393
57.00	11315	143.00	2074	227.00	24440	320.00	84
58.00	668	144.00	607	228.00	3587	321.00	1013
59.00	200	145.00	406	229.00	5172	322.00	517
60.00	149	146.00	1605	230.00	865	323.00	10302
61.00	1669	147.00	4975	231.00	2177	324.00	2132
62.00	2318	148.00	11030	232.00	342	325.00	184
63.00	6442	149.00	2311	233.00	383	326.00	271
64.00	816	150.00	502	234.00	1440	327.00	1741
65.00	3293	151.00	1282	235.00	1718	328.00	967
66.00	187	152.00	639	236.00	1505	329.00	172
67.00	264	153.00	3043	237.00	2040	332.00	820
68.00	2235	154.00	2482	238.00	355	333.00	990
69.00	145920	155.00	5805	239.00	1035	334.00	6678
70.00	751	156.00	8016	240.00	706	335.00	1675
71.00	154	157.00	1456	241.00	1471	336.00	196
73.00	1233	158.00	1721	242.00	3096	339.00	267
74.00	14100	159.00	1316	243.00	3925	340.00	211
75.00	22576	160.00	2947	244.00	47328	341.00	1186
76.00	8333	161.00	4321	245.00	5995	342.00	298
77.00	169856	162.00	1123	246.00	8737	345.00	76
78.00	11062	163.00	361	247.00	1576	346.00	2267
79.00	10714	164.00	482	248.00	361	347.00	555
80.00	7911	165.00	3428	249.00	1900	351.00	246

Report Date: 07-Jan-2021 09:00:57 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 06-Jan-2021 22:09:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	11401	166.00	3123	250.00	405	352.00	3012
82.00	2818	167.00	20712	251.00	523	353.00	2315
83.00	2648	168.00	9517	252.00	514	354.00	3423
85.00	1962	169.00	1920	253.00	1483	355.00	654
86.00	2791	170.00	797	254.00	1195	359.00	242
87.00	1541	171.00	802	255.00	238848	364.00	159
88.00	553	172.00	1666	256.00	33280	365.00	14590
89.00	235	173.00	2214	257.00	2683	366.00	1848
91.00	2670	174.00	4001	258.00	13851	370.00	281
92.00	2902	175.00	7485	259.00	2282	371.00	794
93.00	18976	176.00	2040	260.00	290	372.00	5581
94.00	1247	177.00	3364	261.00	339	373.00	1466
95.00	152	178.00	1154	262.00	51	374.00	290
96.00	1055	179.00	14548	263.00	92	377.00	77
97.00	342	180.00	9238	264.00	493	383.00	1533
98.00	14764	181.00	4715	265.00	5785	384.00	472
99.00	11094	182.00	767	266.00	721	385.00	94
100.00	987	183.00	464	267.00	53	390.00	627
101.00	6322	184.00	1332	270.00	283	391.00	618
102.00	426	185.00	6974	271.00	839	392.00	364
103.00	1946	186.00	56352	272.00	1012	396.00	90
104.00	4131	187.00	15402	273.00	7725	400.00	56
105.00	4212	188.00	1612	274.00	20672	401.00	414
106.00	1249	189.00	3061	275.00	110872	402.00	2293
107.00	53168	190.00	549	276.00	14108	403.00	3165
108.00	8412	191.00	1515	277.00	9178	404.00	1110
109.00	1517	192.00	5185	278.00	1280	405.00	272
110.00	93520	193.00	4649	279.00	374	410.00	55
111.00	14675	194.00	1170	281.00	289	415.00	182
112.00	1886	195.00	864	282.00	310	420.00	62
113.00	681	196.00	13433	283.00	936	420.00	55
114.00	168	197.00	3359	284.00	641	421.00	2891
115.00	152	198.00	425088	285.00	1492	422.00	2456
116.00	2893	199.00	27440	286.00	451	423.00	20040

Report Date: 07-Jan-2021 09:00:57 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 06-Jan-2021 22:09:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	46768	200.00	1941	288.00	117	424.00	3975
118.00	2970	202.00	2182	289.00	323	425.00	382
119.00	453	202.00	159	290.00	327	434.00	66
120.00	561	203.00	2704	291.00	84	436.00	153
121.00	222	204.00	14658	292.00	377	436.00	283
122.00	3415	205.00	24600	293.00	2258	437.00	213
123.00	5366	206.00	104944	294.00	587	438.00	598
124.00	2700	207.00	13072	295.00	1058	439.00	1070
125.00	2451	208.00	3537	296.00	31776	440.00	1371
126.00	1018	209.00	1035	297.00	4659	441.00	57040
127.00	195264	210.00	146	298.00	251	442.00	369280
128.00	14063	211.00	3763	301.00	396	443.00	71696
129.00	76416	212.00	460	302.00	590	444.00	6210
130.00	6328	213.00	354	303.00	3597	445.00	366
131.00	1425	214.00	89	304.00	972		
132.00	756	215.00	1086	305.00	72		

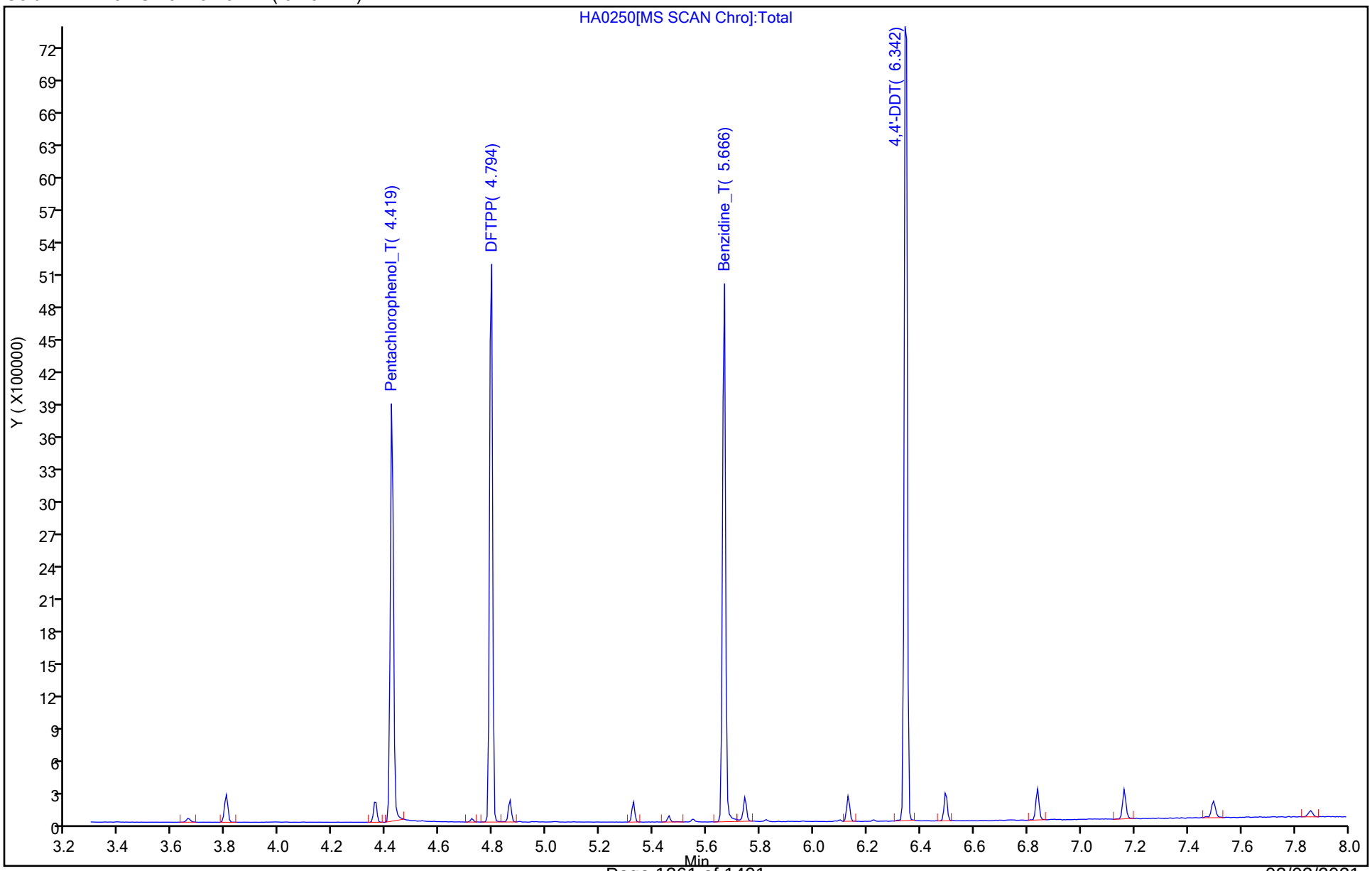
Report Date: 07-Jan-2021 09:00:57 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D

Injection Date:	06-Jan-2021 22:09:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)

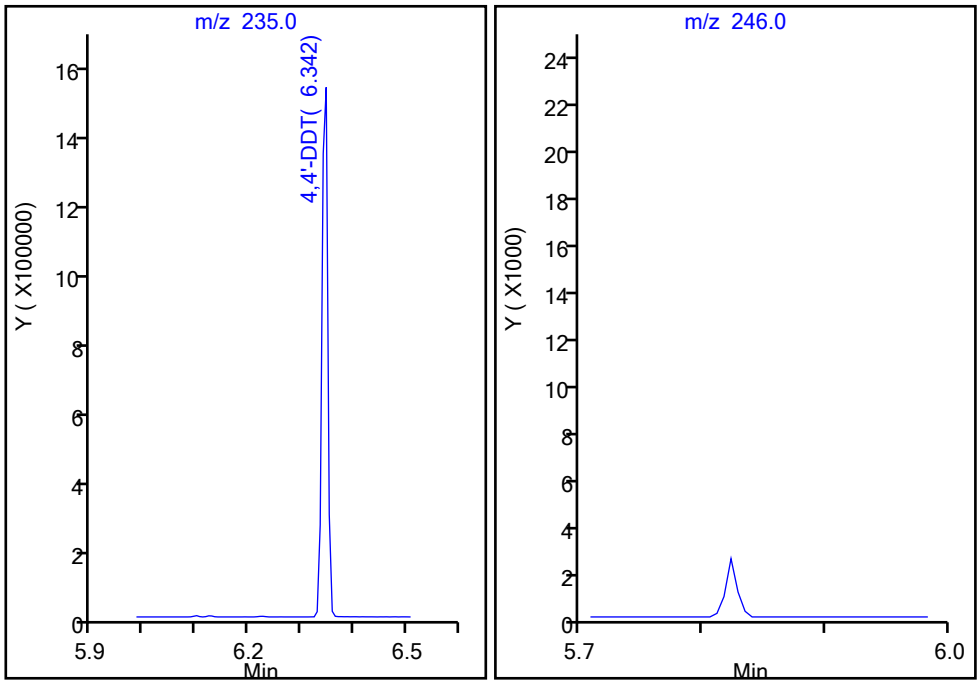


Breakdown Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D
Injection Date: 06-Jan-2021 22:09:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

181 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 1208450
179 4,4'-DDD, Area = 2373
180 4,4'-DDE, Area = 1624

%Breakdown: 0.33%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

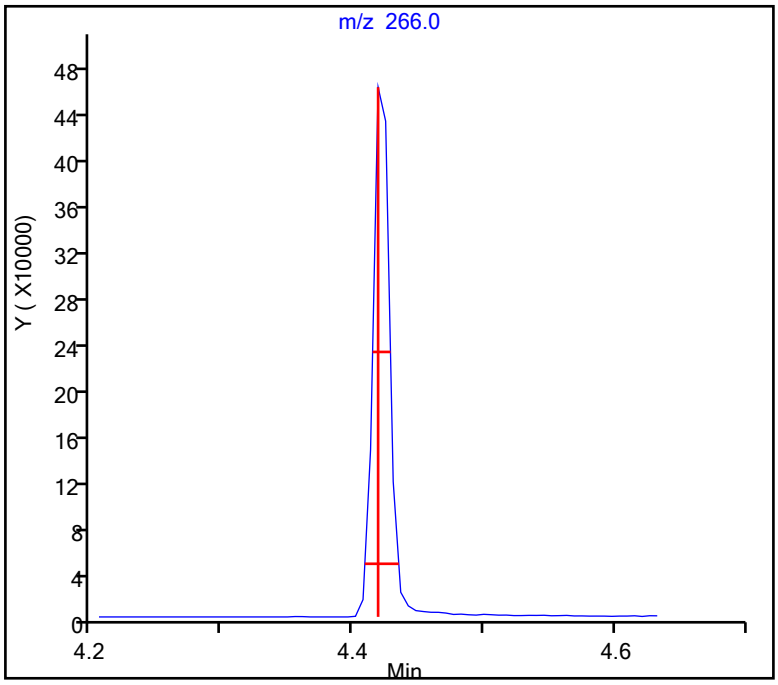
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D
Injection Date: 06-Jan-2021 22:09:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.6, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

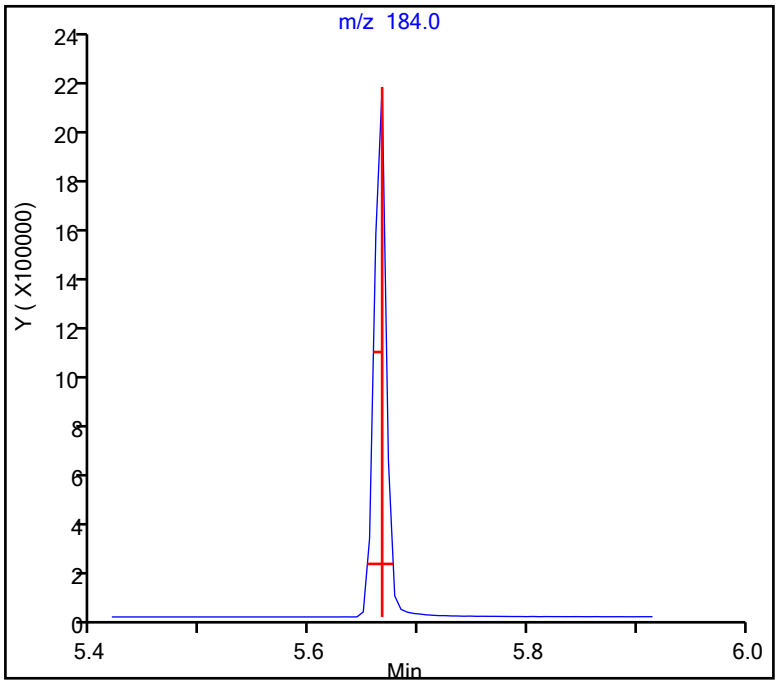
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0250.D
Injection Date: 06-Jan-2021 22:09:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Jan-2021 08:32:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0019409-001
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:45:04 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: monbornee Date: 07-Jan-2021 08:48:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.419	4.419	0.000	93	339483	NR	NR	
14 Benzidine_T	184	5.666	5.666	0.000	99	1361041	NR	NR	
178 DFTPP									
180 4,4'-DDE	246	5.822	5.822	0.000	91	1457		NR	
179 4,4'-DDD	235	6.100	6.100	0.000	97	14244		NR	
181 4,4'-DDT	235	6.348	6.348	0.000	98	911388	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

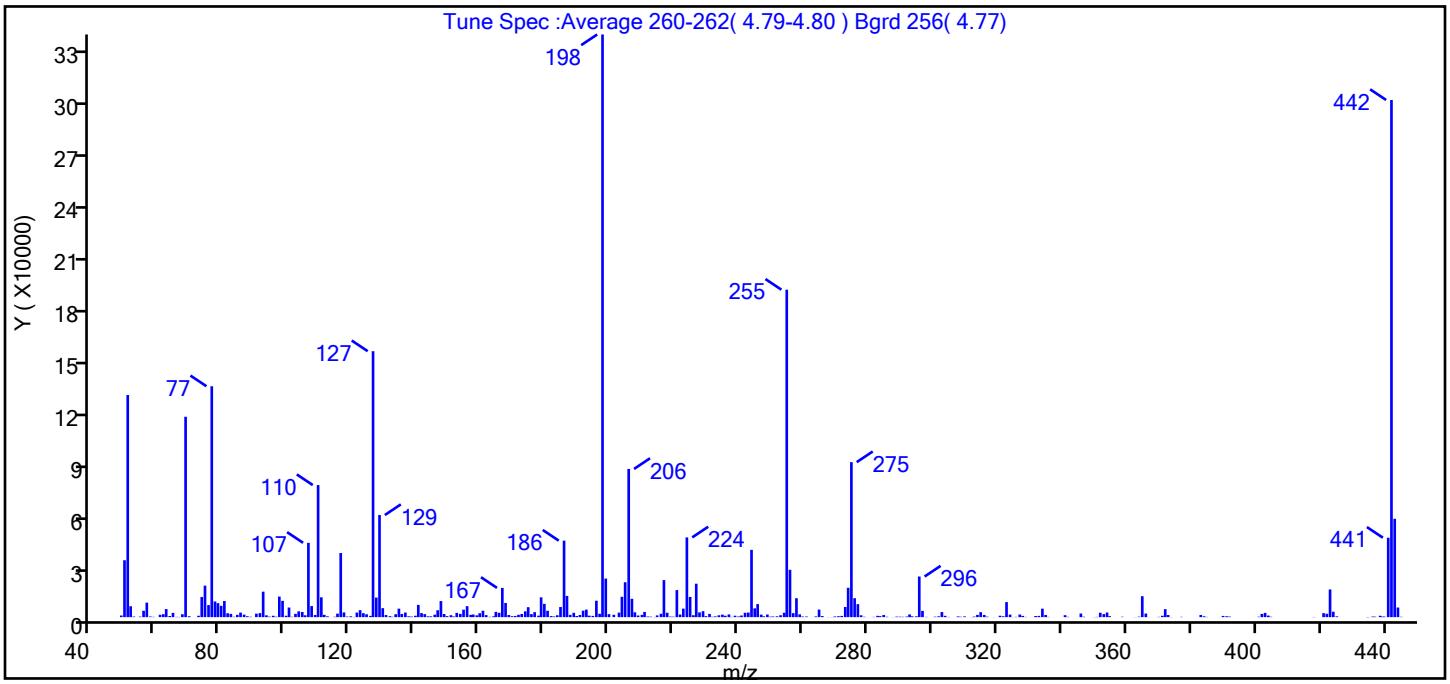
MSS_RVDFTPP_00006 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D
Injection Date: 07-Jan-2021 08:32:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (112.7)
51	10-80% of the base peak	38.1
68	<2% of mass 69	0.5 (1.4)
69	Present	34.4
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	45.6
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.6
275	10-60% of the base peak	26.6
365	>1% of mass 198	3.6
441	present but <24% of mass 442	13.6 (15.4)
442	base peak, or >50% of 198	88.8
443	15-24% of mass 442	16.9 (19.0)

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 07-Jan-2021 08:32:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 318

m/z	Y	m/z	Y	m/z	Y	m/z	Y
49.00	932	135.00	4870	216.00	1935	303.00	2932
50.00	32640	136.00	1820	217.00	21248	304.00	764
51.00	127376	137.00	2647	218.00	2534	305.00	119
52.00	6245	138.00	474	219.00	324	308.00	411
53.00	332	139.00	358	220.00	264	309.00	212
55.00	313	140.00	808	221.00	15514	310.00	436
56.00	3652	141.00	7022	222.00	1517	312.00	69
57.00	8320	142.00	2336	223.00	4877	313.00	319
58.00	367	143.00	1731	224.00	45736	314.00	1281
59.00	172	144.00	471	225.00	11587	315.00	2851
61.00	1361	145.00	445	226.00	1100	316.00	1269
62.00	1690	146.00	1420	227.00	19176	317.00	281
63.00	4623	147.00	3969	228.00	2732	319.00	56
64.00	644	148.00	9232	229.00	3413	321.00	800
65.00	2446	149.00	1781	230.00	570	322.00	490
66.00	151	150.00	583	231.00	1843	323.00	8637
67.00	132	151.00	1121	232.00	222	324.00	1461
68.00	1661	152.00	381	233.00	434	325.00	50
69.00	114912	153.00	2439	234.00	1063	326.00	176
70.00	534	154.00	1881	235.00	1435	327.00	1499
73.00	804	155.00	4274	236.00	817	328.00	727
74.00	11527	156.00	6294	237.00	1547	329.00	140
75.00	18064	157.00	1302	238.00	143	332.00	649
76.00	6928	158.00	1520	239.00	820	333.00	728
77.00	132416	159.00	1049	240.00	380	334.00	4871
78.00	8972	160.00	2247	241.00	930	335.00	1246
79.00	8008	161.00	3675	242.00	2499	336.00	146
80.00	6489	162.00	1171	243.00	2633	341.00	1121
81.00	9248	163.00	182	244.00	38592	342.00	191
82.00	2232	164.00	500	245.00	5052	346.00	2072
83.00	1886	165.00	3020	246.00	7479	347.00	255
84.00	218	166.00	2495	247.00	1440	350.00	80
85.00	1299	167.00	16776	248.00	479	351.00	158

Report Date: 08-Jan-2021 02:45:05 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 07-Jan-2021 08:32:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 318

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	2608	168.00	8121	249.00	1503	352.00	2525
87.00	1445	169.00	1232	250.00	293	353.00	1741
88.00	513	170.00	536	251.00	353	354.00	2665
89.00	218	171.00	681	252.00	480	355.00	573
91.00	1993	172.00	1331	253.00	1093	359.00	221
92.00	2298	173.00	1816	254.00	2516	363.00	62
93.00	14612	174.00	3329	255.00	187776	364.00	279
94.00	1050	175.00	5710	256.00	27168	365.00	12005
95.00	300	176.00	1731	257.00	2290	366.00	2061
96.00	788	177.00	2855	258.00	10847	367.00	50
97.00	260	178.00	843	259.00	1590	370.00	169
98.00	11781	179.00	11354	260.00	360	371.00	791
99.00	9345	180.00	7623	261.00	357	372.00	4573
100.00	811	181.00	3651	264.00	406	373.00	1215
101.00	5512	182.00	615	265.00	4345	374.00	82
102.00	207	183.00	381	266.00	623	377.00	176
103.00	1879	184.00	1074	268.00	78	383.00	1235
104.00	3319	185.00	5808	269.00	63	384.00	492
105.00	2945	186.00	43872	270.00	395	385.00	132
106.00	1074	187.00	12166	271.00	542	390.00	695
107.00	42624	188.00	1306	272.00	713	391.00	534
108.00	6348	189.00	2488	273.00	5833	392.00	330
109.00	1245	190.00	635	274.00	16840	401.00	233
110.00	75744	191.00	1219	275.00	88888	402.00	1860
111.00	11370	192.00	3706	276.00	10858	403.00	2419
112.00	1335	193.00	4307	277.00	7456	404.00	905
113.00	471	194.00	852	278.00	1058	405.00	217
115.00	213	195.00	708	279.00	204	418.00	102
116.00	2001	196.00	9421	281.00	28	421.00	2295
117.00	36768	197.00	1924	282.00	144	422.00	1932
118.00	2702	198.00	334144	283.00	758	423.00	15877
119.00	325	199.00	22128	284.00	572	424.00	3103
120.00	485	200.00	1705	285.00	1226	425.00	466
121.00	115	202.00	1352	286.00	231	435.00	88

Report Date: 08-Jan-2021 02:45:05 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 07-Jan-2021 08:32:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 318

m/z	Y	m/z	Y	m/z	Y	m/z	Y
122.00	2622	203.00	2599	288.00	58	435.00	90
123.00	4020	204.00	11663	289.00	308	436.00	321
124.00	2275	205.00	20024	290.00	264	437.00	272
125.00	1664	206.00	84992	291.00	188	439.00	799
126.00	727	207.00	10513	292.00	336	439.00	234
127.00	152512	208.00	2779	293.00	1567	440.00	352
128.00	11220	209.00	942	294.00	492	441.00	45544
129.00	58560	210.00	1306	295.00	479	442.00	296576
130.00	5145	211.00	2973	296.00	23288	443.00	56392
131.00	1196	212.00	342	297.00	3589	444.00	5528
132.00	529	213.00	276	298.00	145	445.00	197
133.00	215	214.00	79	301.00	277		
134.00	1670	215.00	1003	302.00	469		

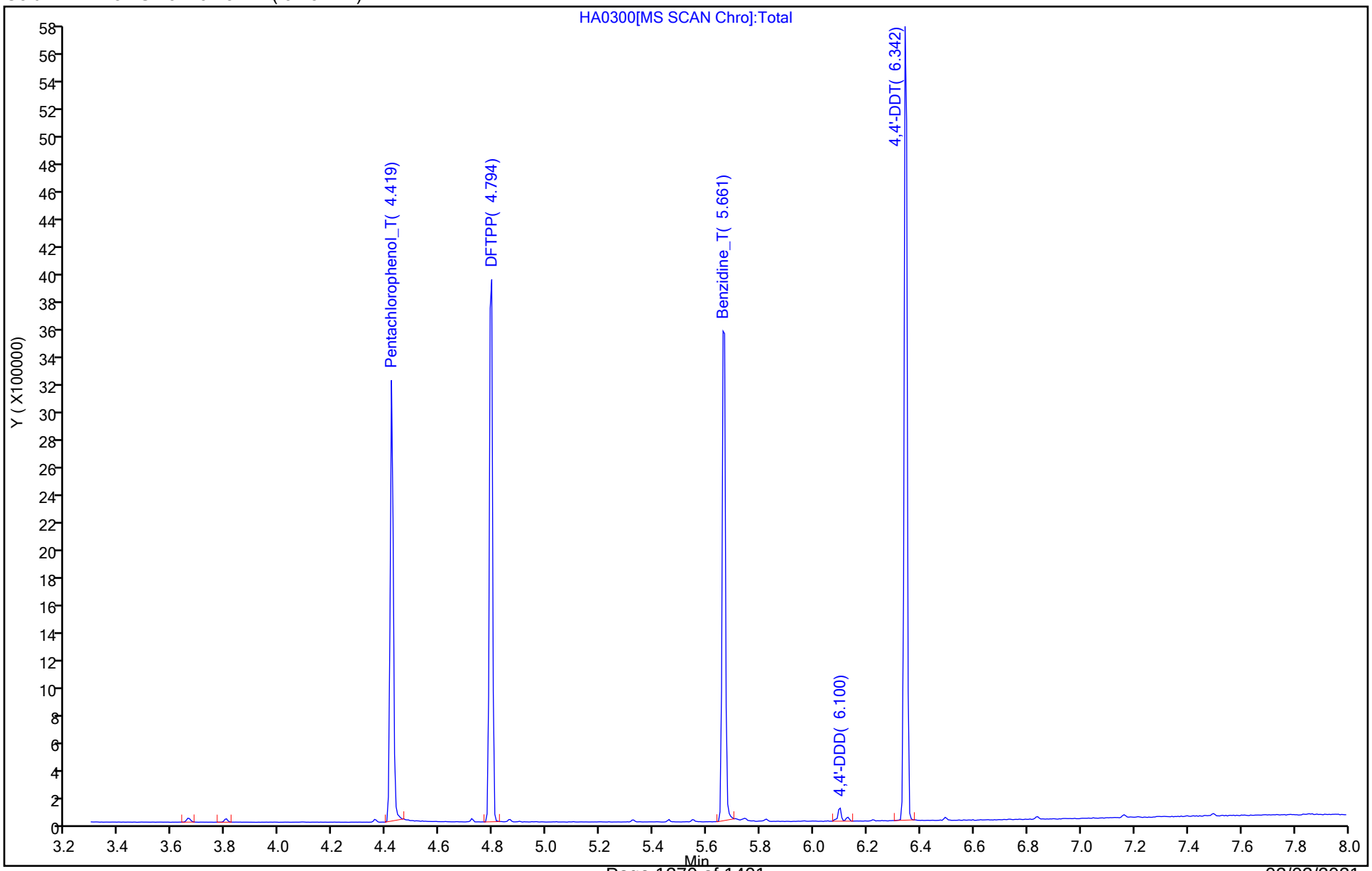
Report Date: 08-Jan-2021 02:45:05 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D

Injection Date:	07-Jan-2021 08:32:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D
Injection Date: 07-Jan-2021 08:32:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

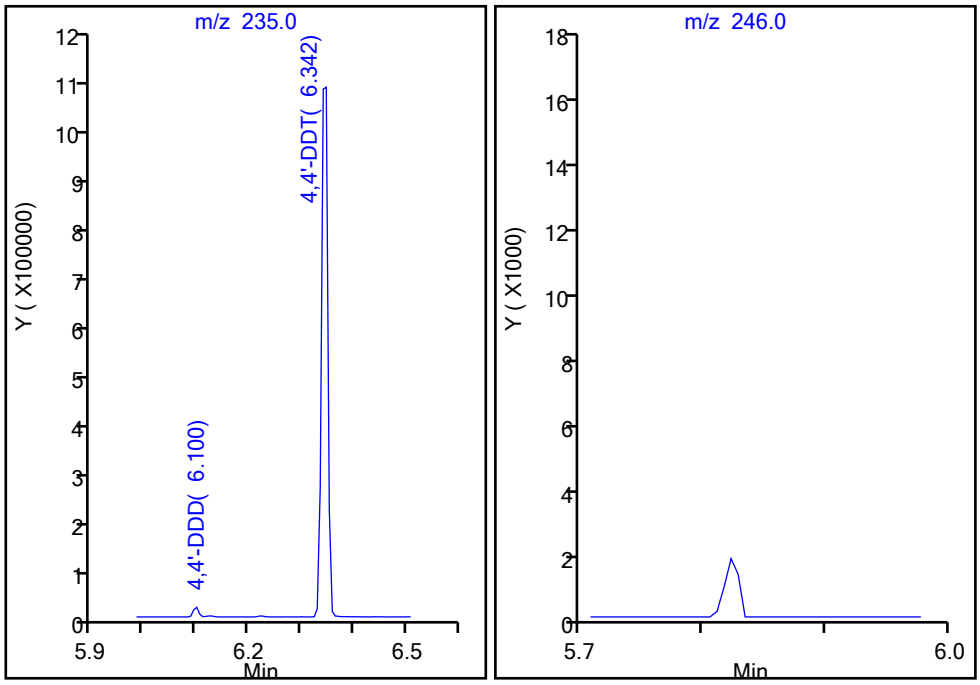
181 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 911388
179 4,4'-DDD, Area = 14244
180 4,4'-DDE, Area = 1457

%Breakdown: 1.69%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

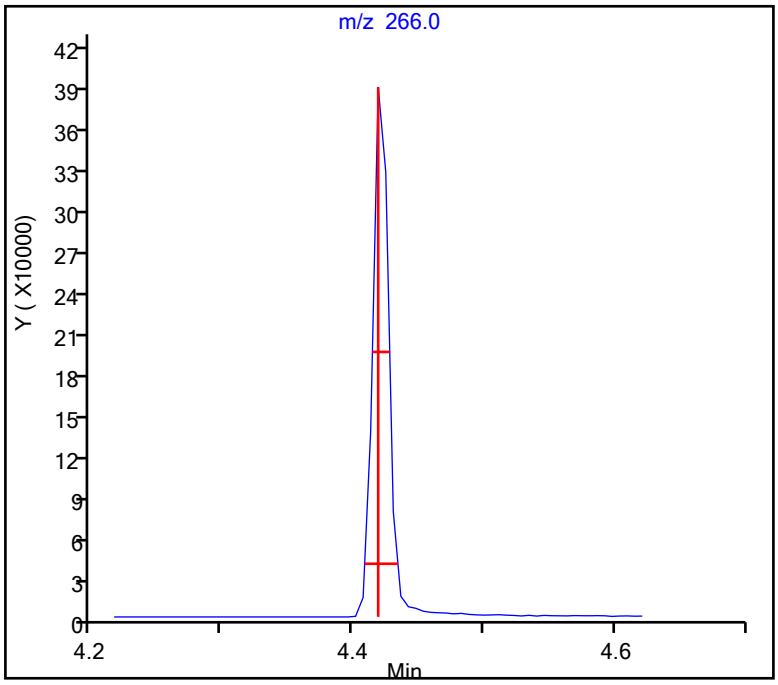
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D
Injection Date: 07-Jan-2021 08:32:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.5, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

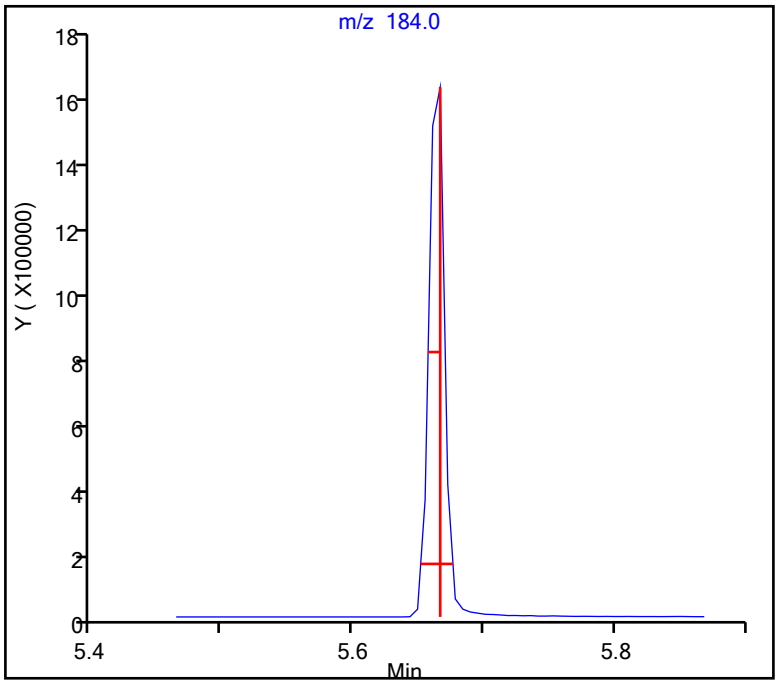
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0300.D
Injection Date: 07-Jan-2021 08:32:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: em10340 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.7, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Jan-2021 21:43:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-001
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 10:22:19 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1619

First Level Reviewer: williamss Date: 07-Jan-2021 22:48:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
8 Pentachlorophenol_T	266	4.419	4.419	0.000	93	480203	NR	NR	
14 Benzidine_T	184	5.666	5.666	0.000	99	1745583	NR	NR	
178 DFTPP									
180 4,4'-DDE	246	5.822	5.822	0.000	87	1924		NR	
179 4,4'-DDD	235	6.099	6.099	0.000	97	14279		NR	
181 4,4'-DDT	235	6.348	6.348	0.000	98	1198190	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

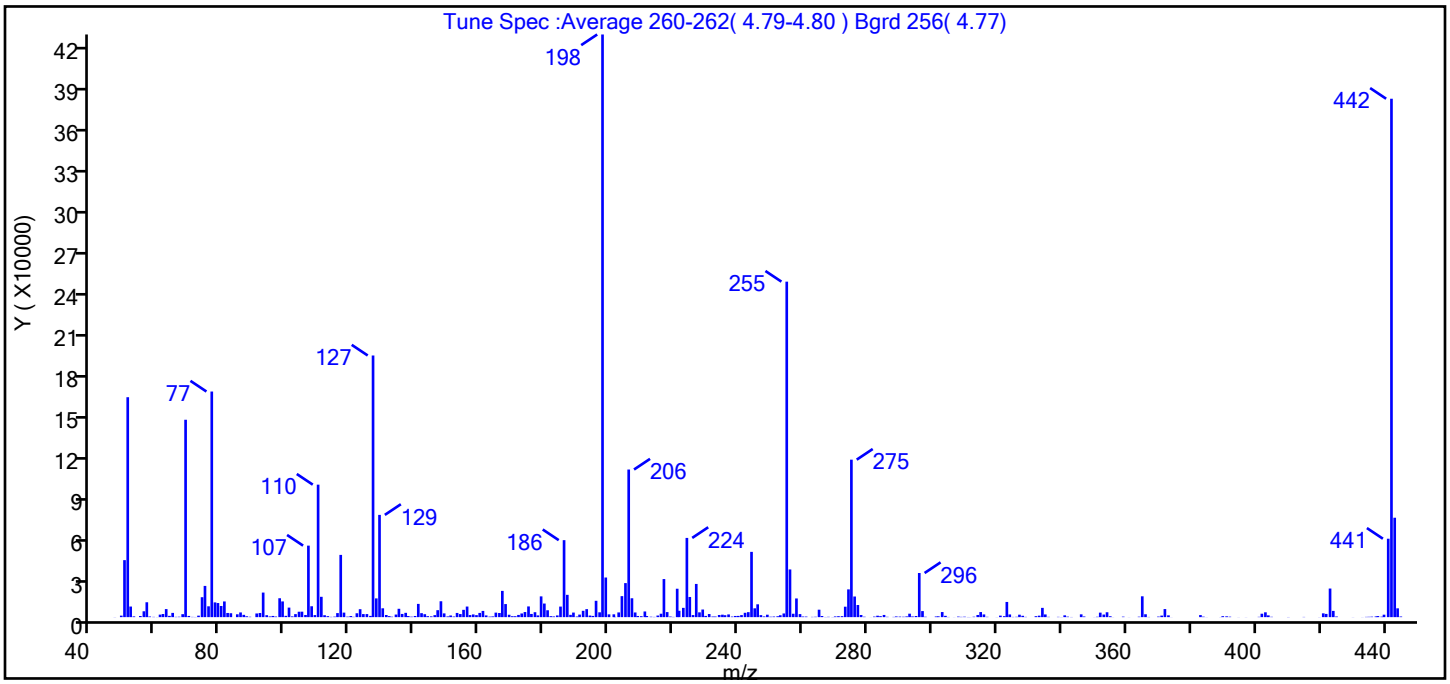
MSS_RVDFTPP_00006 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D
Injection Date: 07-Jan-2021 21:43:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

178 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (112.4)
51	10-80% of the base peak	37.7
68	<2% of mass 69	0.5 (1.5)
69	Present	33.9
70	<2% of mass 69	0.2 (0.6)
127	10-80% of the base peak	44.9
197	<2% of mass 198	0.8
199	5-9% of mass 198	6.8
275	10-60% of the base peak	27.0
365	>1% of mass 198	3.6
441	present but <24% of mass 442	13.5 (15.1)
442	base peak, or >50% of 198	89.0
443	15-24% of mass 442	17.1 (19.2)

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 07-Jan-2021 21:43:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 337

m/z	Y	m/z	Y	m/z	Y	m/z	Y
47.00	74	136.00	2312	221.00	20488	312.00	63
49.00	1084	137.00	3111	222.00	4586	313.00	310
50.00	41104	138.00	783	223.00	6698	314.00	1561
51.00	158592	139.00	346	224.00	57128	315.00	3661
52.00	7643	140.00	830	225.00	14542	316.00	1955
53.00	539	141.00	9557	226.00	1491	317.00	236
55.00	815	142.00	2870	227.00	23944	320.00	58
56.00	4231	143.00	2121	228.00	3462	321.00	1094
57.00	10734	144.00	706	229.00	5494	322.00	688
58.00	461	145.00	559	230.00	880	323.00	10955
59.00	192	146.00	1447	231.00	2242	324.00	1939
60.00	60	147.00	5026	232.00	437	325.00	159
61.00	1817	148.00	11453	233.00	439	326.00	255
62.00	2252	149.00	2707	234.00	1553	327.00	1763
63.00	5811	150.00	512	235.00	1772	328.00	975
64.00	924	151.00	1198	236.00	1394	329.00	191
65.00	3061	152.00	441	237.00	1954	332.00	696
66.00	214	153.00	3028	238.00	419	333.00	1061
67.00	294	154.00	2227	239.00	853	334.00	6689
68.00	2136	155.00	5274	240.00	904	335.00	1953
69.00	142336	156.00	7640	241.00	1466	336.00	219
70.00	876	157.00	1505	242.00	3136	339.00	209
71.00	183	158.00	1952	243.00	3592	340.00	78
72.00	123	159.00	1457	244.00	47072	341.00	1303
73.00	1071	160.00	3049	245.00	6364	342.00	369
74.00	14377	161.00	4486	246.00	9260	343.00	121
75.00	22520	162.00	1244	247.00	1454	346.00	2020
76.00	7815	163.00	380	248.00	505	347.00	469
77.00	162688	164.00	537	249.00	1753	350.00	56
78.00	10632	165.00	3248	250.00	314	351.00	265
79.00	10170	166.00	2990	251.00	451	352.00	3245
80.00	8041	167.00	18928	252.00	638	353.00	1867
81.00	11322	168.00	9430	253.00	1365	354.00	3522

Report Date: 08-Jan-2021 10:22:20 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 07-Jan-2021 21:43:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 337

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	3014	169.00	1723	254.00	2655	355.00	643
83.00	2827	170.00	670	255.00	241920	356.00	55
85.00	2051	171.00	662	256.00	34392	359.00	356
86.00	3393	172.00	1597	257.00	2454	361.00	53
87.00	1660	173.00	2656	258.00	13474	364.00	325
88.00	616	174.00	3679	259.00	2195	365.00	15030
89.00	276	175.00	7727	260.00	444	366.00	2089
91.00	2649	176.00	2308	261.00	411	367.00	149
92.00	2976	177.00	3556	263.00	190	370.00	401
93.00	17720	178.00	1252	264.00	273	371.00	1111
94.00	1409	179.00	14975	265.00	5370	372.00	5824
95.00	502	180.00	9803	266.00	812	373.00	1288
96.00	868	181.00	4968	267.00	125	374.00	53
97.00	436	182.00	702	268.00	245	383.00	1494
98.00	13629	183.00	494	269.00	93	384.00	346
99.00	11333	184.00	1229	270.00	505	385.00	54
100.00	933	185.00	7615	271.00	678	389.00	70
101.00	6880	186.00	55512	272.00	697	390.00	698
102.00	545	187.00	16085	273.00	7534	391.00	595
103.00	2181	188.00	1651	274.00	20024	392.00	329
104.00	3905	189.00	3300	275.00	113560	395.00	53
105.00	3944	190.00	443	276.00	14883	397.00	54
106.00	1556	191.00	1838	277.00	8746	401.00	223
107.00	51568	192.00	4577	278.00	1546	402.00	2471
108.00	7853	193.00	5768	279.00	298	403.00	3481
109.00	1495	194.00	1149	281.00	40	404.00	1273
110.00	95536	195.00	883	282.00	404	405.00	248
111.00	14664	196.00	11786	283.00	1028	410.00	112
112.00	1381	197.00	3481	284.00	697	415.00	156
113.00	714	198.00	420160	285.00	1584	420.00	74
114.00	209	199.00	28576	286.00	242	421.00	2737
115.00	373	200.00	2007	288.00	180	422.00	2325
116.00	2920	202.00	2035	289.00	507	423.00	20624
117.00	44888	202.00	216	290.00	394	424.00	4498

Report Date: 08-Jan-2021 10:22:20 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D\MSSemi_HP18831.rslt\spectra.d
Injection Date: 07-Jan-2021 21:43:30
Spectrum: Tune Spec :Average 260-262(4.79-4.80) Bgrd 256(4.77)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 337

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	3268	203.00	3394	291.00	295	425.00	459
119.00	358	204.00	15148	292.00	519	430.00	58
120.00	795	205.00	24552	293.00	2491	433.00	55
121.00	223	206.00	106448	294.00	507	434.00	193
122.00	2799	207.00	13615	295.00	818	435.00	248
123.00	5727	208.00	3368	296.00	31824	436.00	355
124.00	2210	209.00	839	297.00	4369	437.00	508
125.00	2215	210.00	674	298.00	286	438.00	777
126.00	902	211.00	4088	301.00	473	439.00	341
127.00	188672	212.00	815	302.00	587	440.00	1771
128.00	13516	213.00	304	303.00	3673	441.00	56552
129.00	73736	214.00	163	304.00	942	442.00	373824
130.00	6382	215.00	1155	305.00	148	443.00	71688
131.00	1544	216.00	2468	307.00	50	444.00	6358
132.00	745	217.00	27464	308.00	397	445.00	460
133.00	317	218.00	3644	309.00	201		
134.00	1867	219.00	426	310.00	315		
135.00	6027	220.00	170	311.00	118		

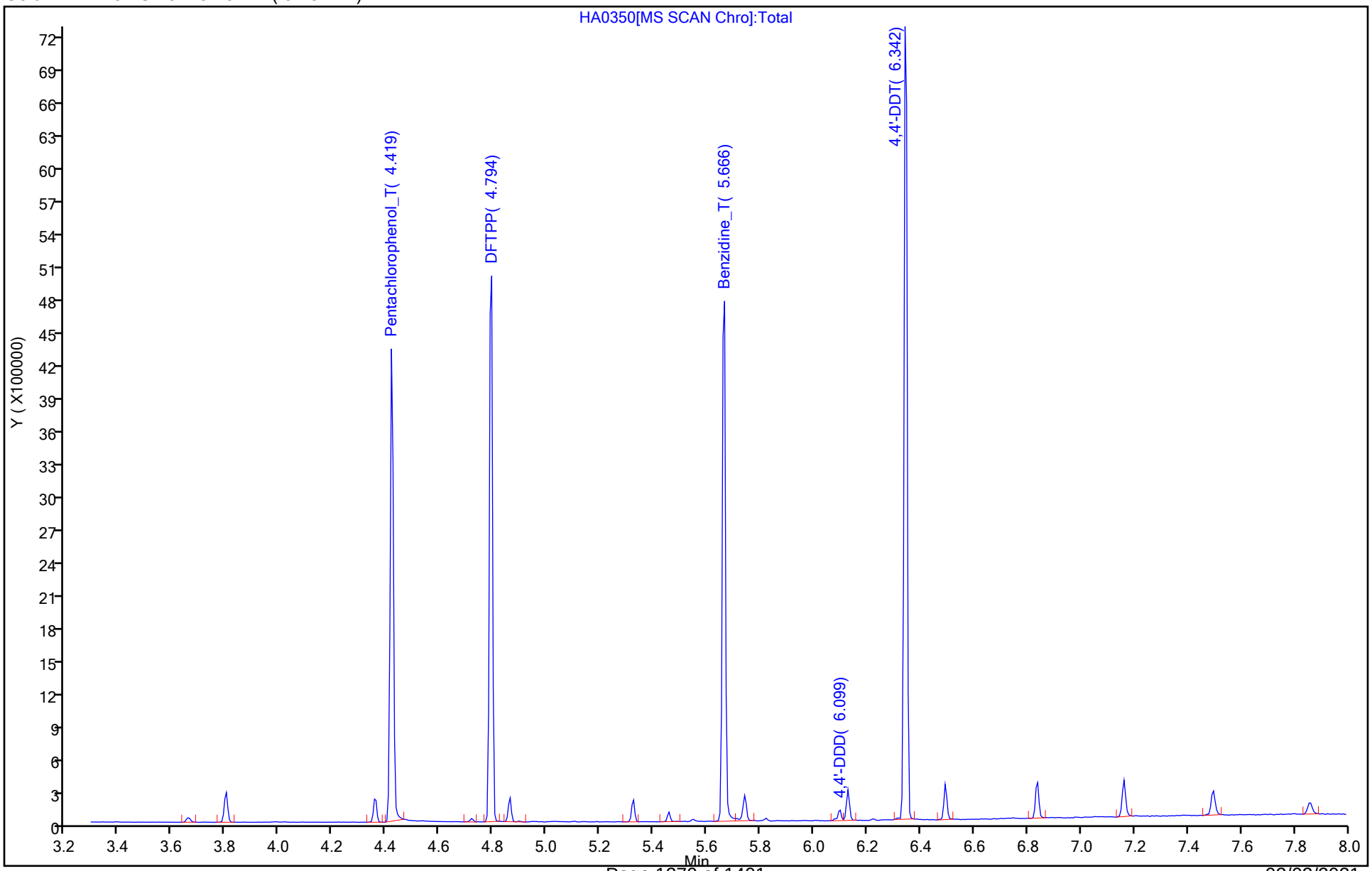
Report Date: 08-Jan-2021 10:22:20 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D

Injection Date:	07-Jan-2021 21:43:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D
Injection Date: 07-Jan-2021 21:43:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

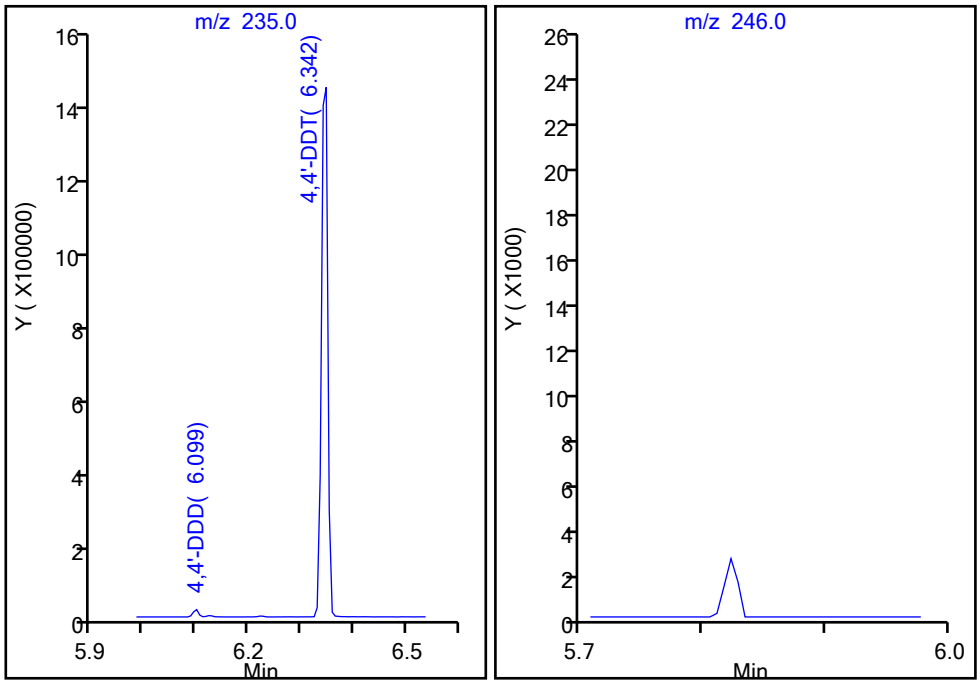
181 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 1198190
179 4,4'-DDD, Area = 14279
180 4,4'-DDE, Area = 1924

%Breakdown: 1.33%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

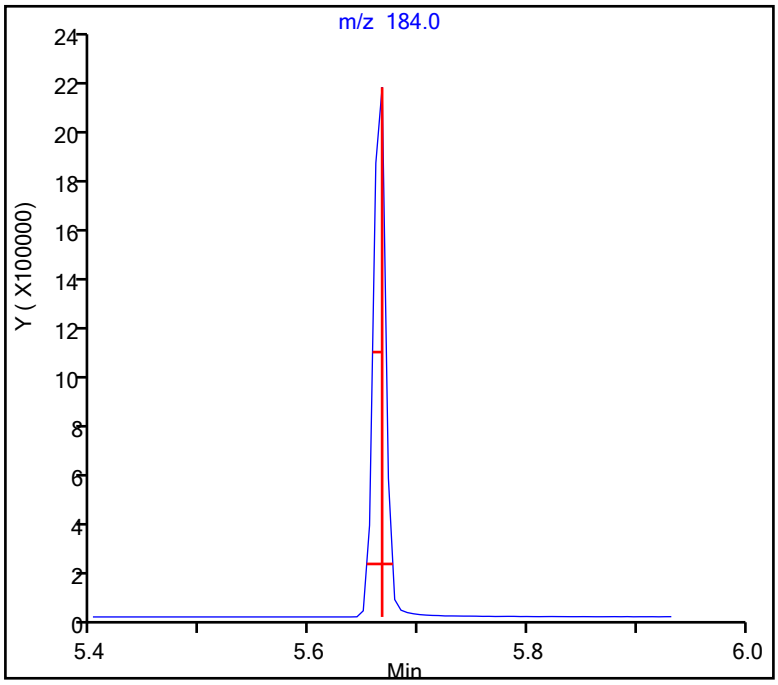
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D
Injection Date: 07-Jan-2021 21:43:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

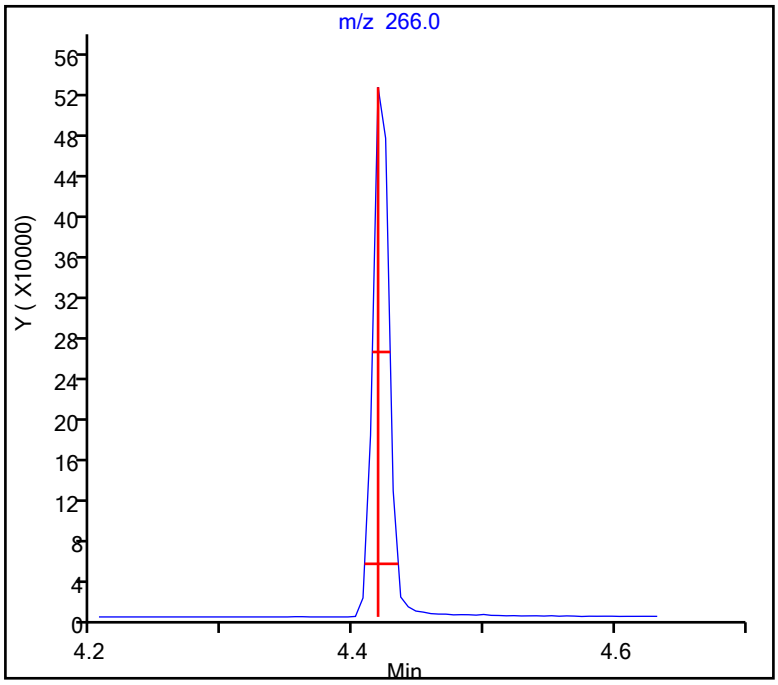
Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19498.b\HA0350.D
Injection Date: 07-Jan-2021 21:43:30 Instrument ID: HP18831
Lims ID: DFTPP
Client ID:
Operator ID: sw30417 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP18831 Limit Group: MSSV - 8270D_E LVI

8 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.6, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 03-Dec-2020 14:36:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0016969-001
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 04-Dec-2020 00:25:28 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1652

First Level Reviewer: beckk Date: 03-Dec-2020 14:57:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Pentachlorophenol_T	266	4.980	4.980	0.000	90	159167	NR	NR	
7 Benzidine_T	184	6.218	6.218	0.000	100	679818	NR	NR	
180 DFTPP									
178 4,4'-DDE	246	6.370	6.370	0.000	1	423		NR	
179 4,4'-DDD	235		6.901					ND	U
181 4,4'-DDT	235	6.901	6.901	0.000	97	329102	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

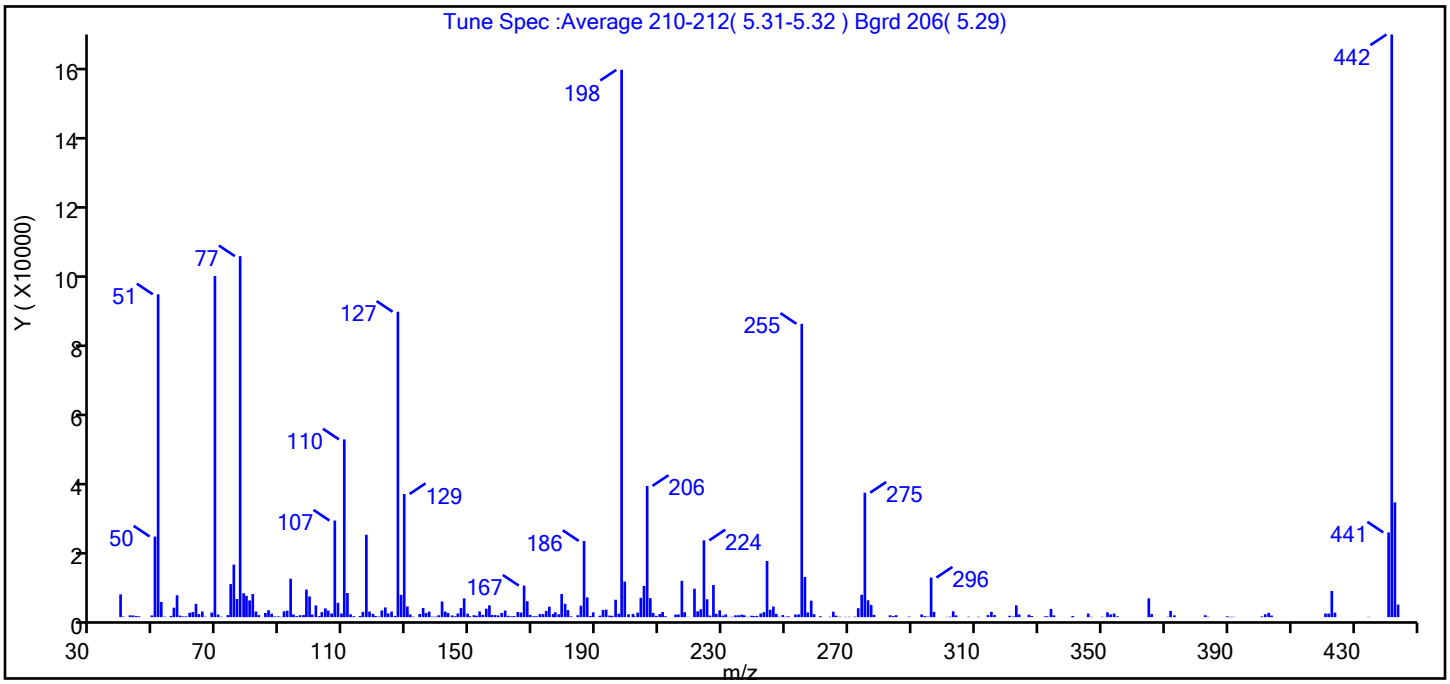
MSS_RVDFTPP_00006 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D
Injection Date: 03-Dec-2020 14:36:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

180 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (93.9)
51	10-80% of the base peak	59.0
68	<2% of mass 69	0.8 (1.3)
69	Present	62.3
70	<2% of mass 69	0.5 (0.8)
127	10-80% of the base peak	55.8
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.5
275	10-60% of the base peak	22.7
365	>1% of mass 198	3.4
441	present but <24% of mass 442	15.5 (14.5)
442	base peak, or >50% of 198	106.5
443	15-24% of mass 442	21.0 (19.7)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D\MSSemi_HP23264.rslt\spectra.c
Injection Date: 03-Dec-2020 14:36:30
Spectrum: Tune Spec :Average 210-212(5.31-5.32) Bgrd 206(5.29)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 279

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	6589	118.00	1620	191.00	422	269.00	84
40.00	159	119.00	957	192.00	2081	270.00	106
42.00	535	120.00	339	193.00	2179	272.00	156
43.00	493	121.00	171	194.00	454	273.00	2595
44.00	356	122.00	1944	195.00	383	274.00	6483
45.00	248	123.00	2805	196.00	5038	275.00	36040
49.00	487	124.00	1065	197.00	974	276.00	4893
50.00	23344	125.00	1619	198.00	158464	277.00	3528
51.00	93472	126.00	346	199.00	10303	278.00	656
52.00	4398	127.00	88424	200.00	824	283.00	547
53.00	143	128.00	6454	202.00	925	284.00	317
55.00	368	129.00	35648	202.00	193	285.00	571
56.00	2736	130.00	3086	203.00	1320	289.00	157
57.00	6327	131.00	775	204.00	5597	293.00	781
58.00	436	132.00	151	205.00	9045	294.00	299
59.00	213	134.00	926	206.00	38008	295.00	149
60.00	201	135.00	2627	207.00	5499	296.00	11463
61.00	1255	136.00	1180	208.00	1222	297.00	1530
62.00	1481	137.00	1600	209.00	379	301.00	86
63.00	3865	138.00	145	210.00	901	302.00	149
64.00	874	139.00	147	211.00	1508	303.00	1700
65.00	1641	140.00	541	212.00	261	304.00	510
66.00	123	141.00	4535	215.00	720	308.00	129
68.00	1320	142.00	1616	216.00	795	311.00	120
69.00	98768	143.00	1199	217.00	10521	314.00	597
70.00	748	144.00	489	218.00	1418	315.00	1556
71.00	134	145.00	238	219.00	104	316.00	589
73.00	585	146.00	1045	221.00	8233	321.00	394
74.00	9570	147.00	2643	222.00	1703	322.00	181
75.00	15216	148.00	5437	223.00	2283	323.00	3424
76.00	5248	149.00	987	224.00	22232	324.00	760
77.00	104528	150.00	264	225.00	5174	327.00	695
78.00	6927	151.00	557	226.00	447	328.00	347

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D\MSSemi_HP23264.rslt\spectra.c
Injection Date: 03-Dec-2020 14:36:30
Spectrum: Tune Spec :Average 210-212(5.31-5.32) Bgrd 206(5.29)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 279

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6160	152.00	408	227.00	9321	332.00	221
80.00	4839	153.00	1634	228.00	962	333.00	234
81.00	6699	154.00	639	229.00	1980	334.00	2369
82.00	1633	155.00	2444	230.00	428	335.00	511
83.00	579	156.00	3434	231.00	768	341.00	94
85.00	1221	157.00	611	232.00	84	341.00	350
86.00	2008	158.00	605	233.00	120	346.00	1042
87.00	1003	159.00	504	234.00	531	347.00	109
88.00	212	160.00	1211	235.00	569	350.00	131
89.00	226	161.00	1913	236.00	742	352.00	1402
90.00	104	162.00	391	237.00	533	353.00	786
91.00	1688	163.00	237	238.00	109	354.00	1033
92.00	1855	164.00	307	239.00	405	355.00	225
93.00	11125	165.00	1481	240.00	316	365.00	5442
94.00	781	166.00	1322	241.00	378	366.00	887
95.00	291	167.00	9129	242.00	1051	371.00	95
96.00	558	168.00	4587	243.00	1458	372.00	1806
97.00	604	169.00	665	244.00	16260	373.00	508
98.00	7991	170.00	262	245.00	2134	383.00	561
99.00	5979	171.00	256	246.00	3073	384.00	112
100.00	759	172.00	890	247.00	965	390.00	246
101.00	3404	173.00	867	248.00	117	391.00	107
102.00	299	174.00	1819	249.00	606	392.00	95
103.00	1452	175.00	3041	250.00	134	401.00	214
104.00	2533	176.00	935	251.00	232	402.00	826
105.00	1909	177.00	1396	253.00	767	403.00	1251
106.00	1066	178.00	823	254.00	800	404.00	463
107.00	27960	179.00	6705	255.00	84928	421.00	1034
108.00	4165	180.00	3863	256.00	11631	422.00	1042
109.00	1042	181.00	2029	257.00	1359	423.00	7574
110.00	51464	182.00	223	258.00	4773	424.00	1292
111.00	6984	184.00	561	259.00	866	435.00	96
112.00	827	185.00	3319	261.00	269	441.00	24528
113.00	276	186.00	22064	264.00	133	442.00	168704

Report Date: 04-Dec-2020 00:25:28 Chrom Revision: 2.3 13-Nov-2020 01:23:02
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D\MSSemi_HP23264.rslt\spectra.c
Injection Date: 03-Dec-2020 14:36:30
Spectrum: Tune Spec :Average 210-212(5.31-5.32) Bgrd 206(5.29)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 279

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	354	187.00	5696	265.00	1584	443.00	33224
116.00	1537	188.00	321	266.00	422	444.00	3633
117.00	23848	189.00	1396	267.00	121		

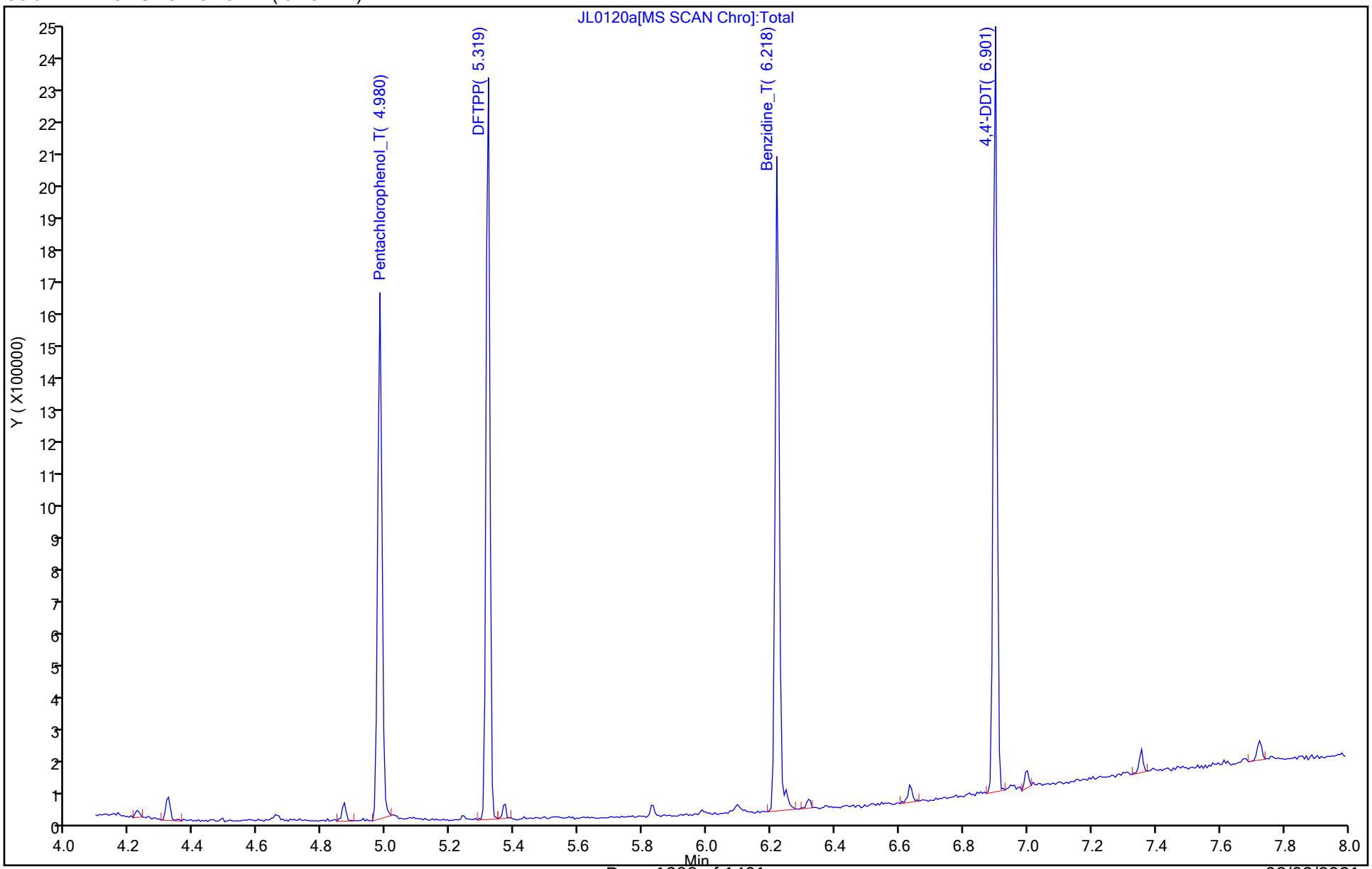
Report Date: 04-Dec-2020 00:25:28 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D

Injection Date:	03-Dec-2020 14:36:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D
Injection Date: 03-Dec-2020 14:36:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

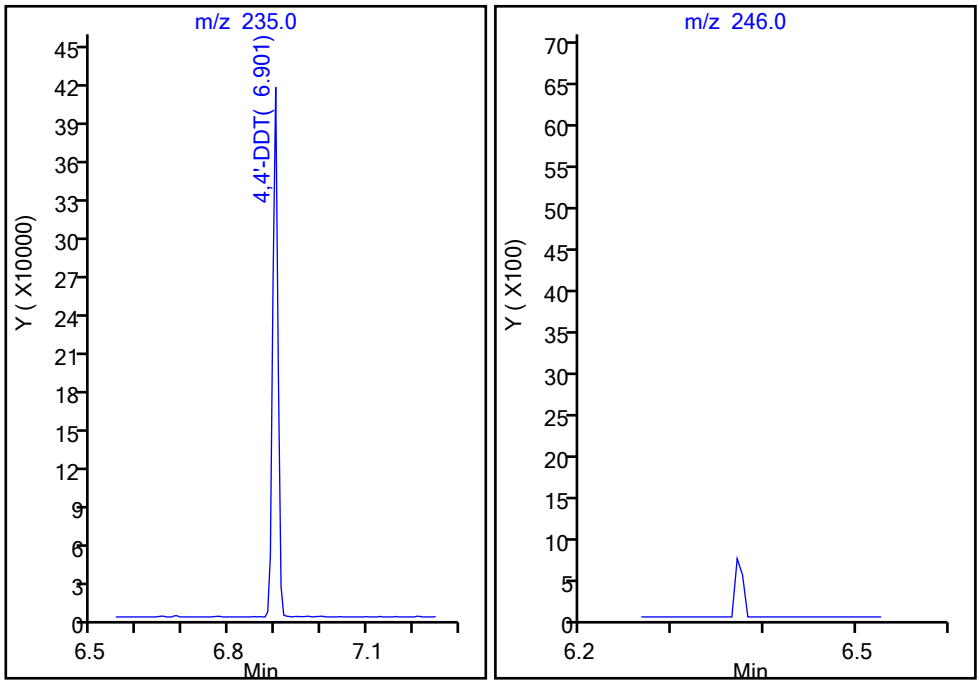
181 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 329102
179 4,4'-DDD, Area = 0
178 4,4'-DDE, Area = 423

%Breakdown: 0.13%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

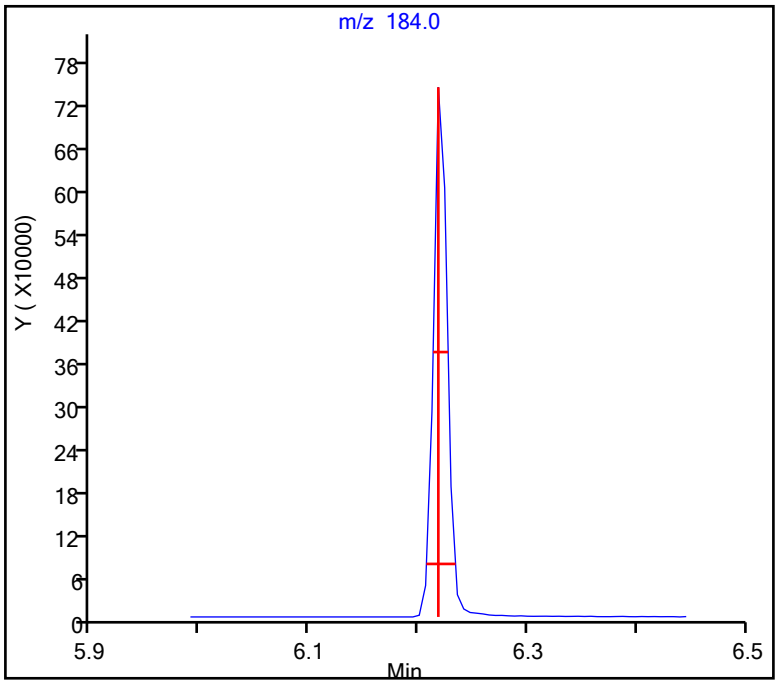
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D
Injection Date: 03-Dec-2020 14:36:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

7 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.5, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

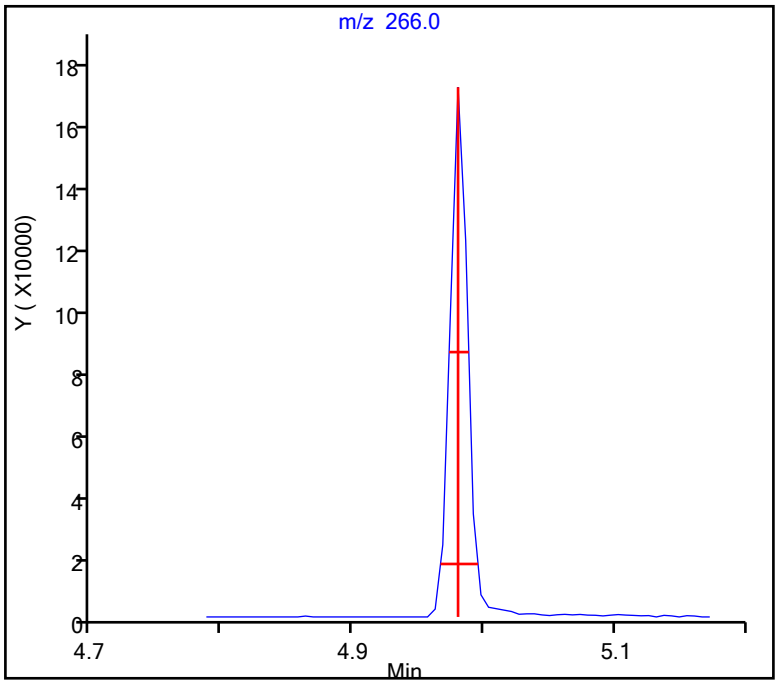
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0120a.D
Injection Date: 03-Dec-2020 14:36:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

5 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.2, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 05-Dec-2020 18:17:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0017212-001
Operator ID: kel10217 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Dec-2020 08:51:48 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1654

First Level Reviewer: phakdeer Date: 08-Dec-2020 08:51:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Pentachlorophenol_T	266	4.980	4.980	0.000	90	160757	NR	NR	
7 Benzidine_T	184	6.224	6.224	0.000	99	619342	NR	NR	
180 DFTPP									
178 4,4'-DDE	246	6.376	6.376	0.000	1	560		NR	
179 4,4'-DDD	235	6.779	6.779	0.000	1	280		NR	
181 4,4'-DDT	235	6.901	6.901	0.000	96	308107	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

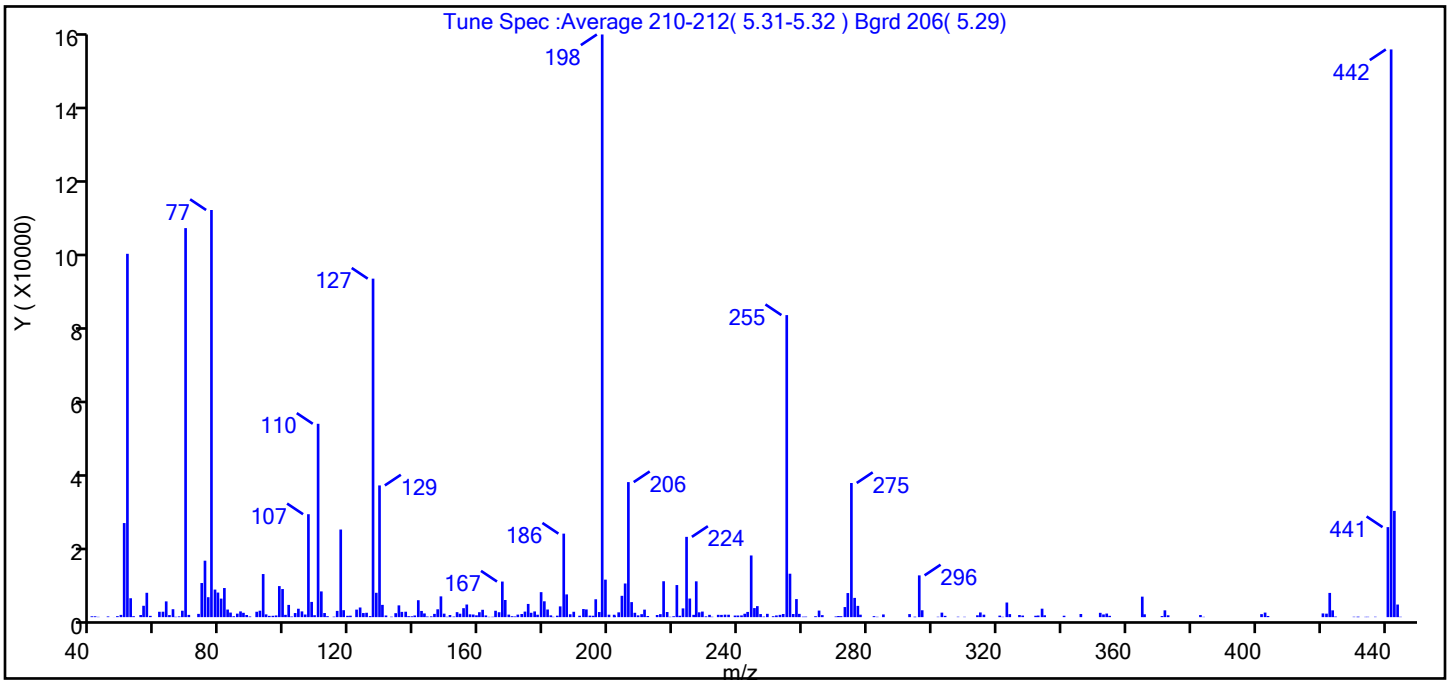
MSS_RVDFTPP_00006 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D
Injection Date: 05-Dec-2020 18:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

180 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (102.6)
51	10-80% of the base peak	62.4
68	<2% of mass 69	1.1 (1.7)
69	Present	66.8
70	<2% of mass 69	0.4 (0.6)
127	10-80% of the base peak	58.1
197	<2% of mass 198	0.9
199	5-9% of mass 198	6.4
275	10-60% of the base peak	23.0
365	>1% of mass 198	3.5
441	present but <24% of mass 442	15.4 (15.9)
442	base peak, or >50% of 198	97.4
443	15-24% of mass 442	18.2 (18.7)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D\MSSemi_HP23264.rslt\spectra.d
Injection Date: 05-Dec-2020 18:17:30
Spectrum: Tune Spec :Average 210-212(5.31-5.32) Bgrd 206(5.29)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
40.00	231	119.00	364	191.00	381	270.00	176
41.00	230	120.00	395	192.00	2184	271.00	300
42.00	83	122.00	2027	193.00	2079	272.00	255
45.00	194	123.00	2602	194.00	412	273.00	2717
47.00	14	124.00	1107	195.00	373	274.00	6495
48.00	269	125.00	1178	196.00	4821	275.00	36160
49.00	606	126.00	278	197.00	1374	276.00	5190
50.00	25360	127.00	91240	198.00	157056	277.00	3036
51.00	97936	128.00	6566	199.00	10107	278.00	663
52.00	5097	129.00	35504	200.00	660	282.00	269
53.00	252	130.00	3308	202.00	644	283.00	99
55.00	572	131.00	448	202.00	378	285.00	727
56.00	3064	133.00	129	203.00	1293	293.00	818
57.00	6564	134.00	1068	204.00	5749	295.00	98
58.00	350	135.00	3173	205.00	9071	295.00	84
61.00	1447	136.00	1420	206.00	36400	296.00	11259
62.00	1467	137.00	1464	207.00	4052	297.00	1855
63.00	4250	138.00	262	208.00	1178	302.00	108
64.00	553	139.00	227	209.00	479	303.00	1217
65.00	2138	140.00	445	210.00	800	304.00	348
66.00	95	141.00	4563	211.00	2025	308.00	115
67.00	200	142.00	1672	212.00	307	310.00	94
68.00	1732	143.00	998	215.00	572	314.00	500
69.00	104864	144.00	171	216.00	805	315.00	1265
70.00	606	145.00	210	217.00	9677	316.00	663
73.00	880	146.00	877	218.00	1379	321.00	413
74.00	9198	147.00	2120	219.00	92	322.00	93
75.00	15217	148.00	5599	220.00	240	323.00	3941
76.00	5378	149.00	939	221.00	8650	324.00	817
77.00	109744	150.00	109	222.00	374	327.00	571
78.00	7430	151.00	576	223.00	2362	328.00	424
79.00	6624	152.00	157	224.00	21640	332.00	376
80.00	4997	153.00	1345	225.00	5017	333.00	435

Report Date: 08-Dec-2020 08:51:49 Chrom Revision: 2.3 13-Nov-2020 01:23:02
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D\MSSemi_HP23264.rslt\spectra.d
Injection Date: 05-Dec-2020 18:17:30
Spectrum: Tune Spec :Average 210-212(5.31-5.32) Bgrd 206(5.29)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	7849	154.00	923	226.00	623	334.00	2281
82.00	2048	155.00	2418	227.00	9656	335.00	497
83.00	1231	156.00	3402	228.00	1301	341.00	381
84.00	239	157.00	761	229.00	1501	346.00	845
85.00	945	158.00	706	230.00	211	352.00	1163
86.00	1547	159.00	487	231.00	623	353.00	733
87.00	1167	160.00	1328	232.00	111	354.00	967
88.00	581	161.00	1985	234.00	625	355.00	359
89.00	188	162.00	461	235.00	607	365.00	5525
91.00	1455	163.00	86	236.00	670	366.00	768
92.00	1734	164.00	102	237.00	649	371.00	289
93.00	11619	165.00	1720	239.00	429	372.00	1836
94.00	748	166.00	1321	240.00	436	373.00	497
95.00	344	167.00	9593	241.00	464	383.00	571
96.00	365	168.00	4620	242.00	914	384.00	88
97.00	450	169.00	683	243.00	1406	402.00	809
98.00	8371	170.00	250	244.00	16624	403.00	1227
99.00	7578	171.00	180	245.00	2443	404.00	310
100.00	619	172.00	682	246.00	2965	421.00	1000
101.00	3299	173.00	843	247.00	831	422.00	942
102.00	170	174.00	1495	248.00	148	423.00	6531
103.00	1106	175.00	3562	249.00	893	424.00	1831
104.00	2268	176.00	1173	251.00	248	425.00	158
105.00	1552	177.00	1543	252.00	461	430.00	109
106.00	710	178.00	652	253.00	618	432.00	93
107.00	27744	179.00	6736	254.00	850	432.00	106
108.00	4106	180.00	4272	255.00	81416	434.00	88
109.00	521	181.00	2061	256.00	11709	435.00	99
110.00	52120	182.00	480	257.00	844	437.00	111
111.00	6936	183.00	88	258.00	4870	441.00	24264
112.00	1108	184.00	397	259.00	882	442.00	153024
113.00	259	185.00	2903	260.00	131	443.00	28640
115.00	134	186.00	22512	261.00	144	444.00	3399
116.00	1683	187.00	6130	264.00	254	445.00	101

Report Date: 08-Dec-2020 08:51:49 Chrom Revision: 2.3 13-Nov-2020 01:23:02
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D\MSSemi_HP23264.rslt\spectra.d
Injection Date: 05-Dec-2020 18:17:30
Spectrum: Tune Spec :Average 210-212(5.31-5.32) Bgrd 206(5.29)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	23616	188.00	779	265.00	1767		
118.00	1874	189.00	1447	266.00	540		

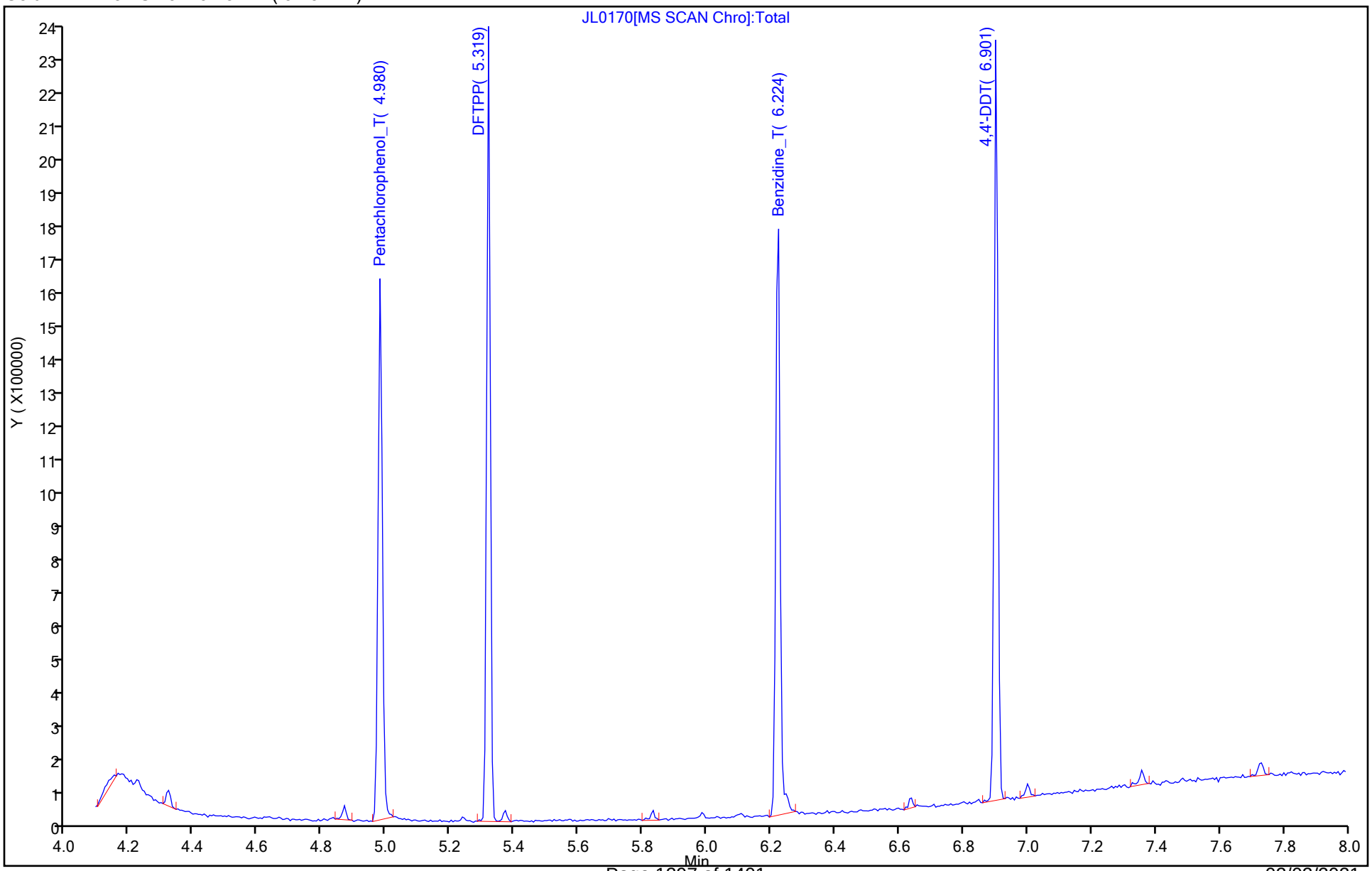
Report Date: 08-Dec-2020 08:51:49 Chrom Revision: 2.3 13-Nov-2020 01:23:02

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D

Injection Date:	05-Dec-2020 18:17:30	Instrument ID:	HP23264	Operator ID:	kel10217
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D
Injection Date: 05-Dec-2020 18:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

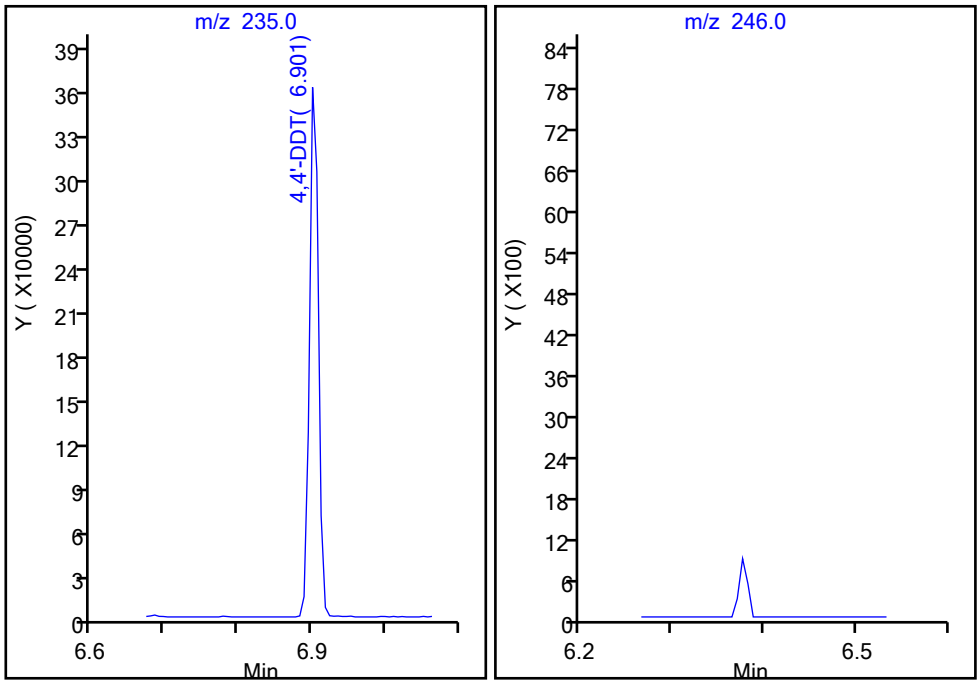
181 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 308107
179 4,4'-DDD, Area = 280
178 4,4'-DDE, Area = 560

%Breakdown: 0.27%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

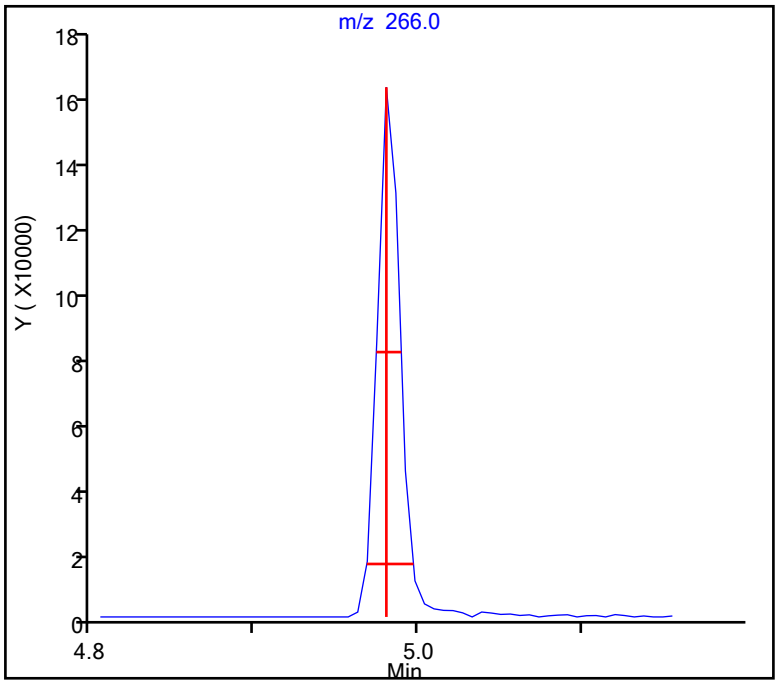
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D
Injection Date: 05-Dec-2020 18:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

5 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.4, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

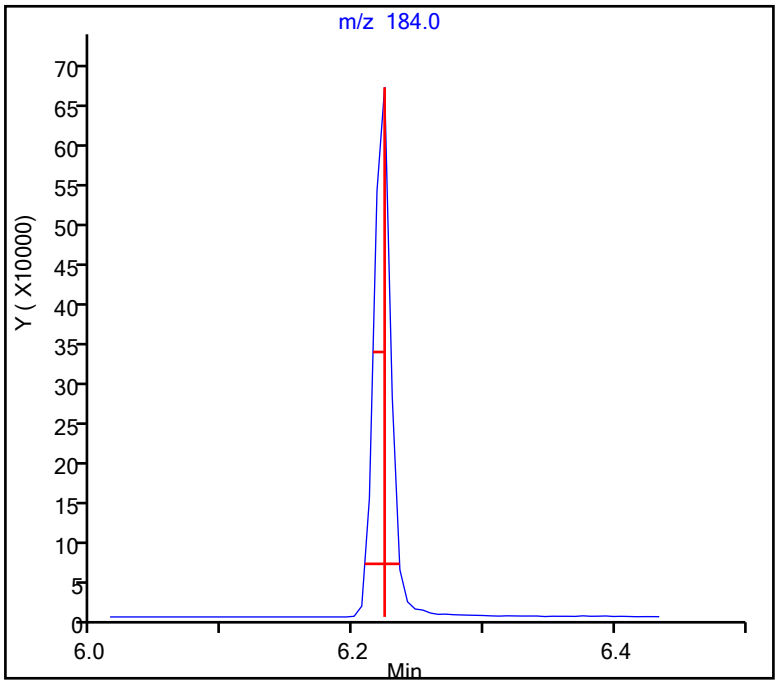
Data File: \\chromfs\Lancaster\ChromData\HP23264\20201205-17212.b\JL0170.D
Injection Date: 05-Dec-2020 18:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: kel10217 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

7 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.7, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0050.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Jan-2021 10:04:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0019332-001
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:46:27 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Pentachlorophenol_T	266	4.811	4.811	0.000	88	79419	NR	NR	
7 Benzidine_T	184	6.055	6.055	0.000	99	341357	NR	NR	
180 DFTPP									
178 4,4'-DDE	246	6.206	6.206	0.000	80	1327		NR	
179 4,4'-DDD	235		6.738				ND		U
181 4,4'-DDT	235	6.738	6.738	0.000	94	192473	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

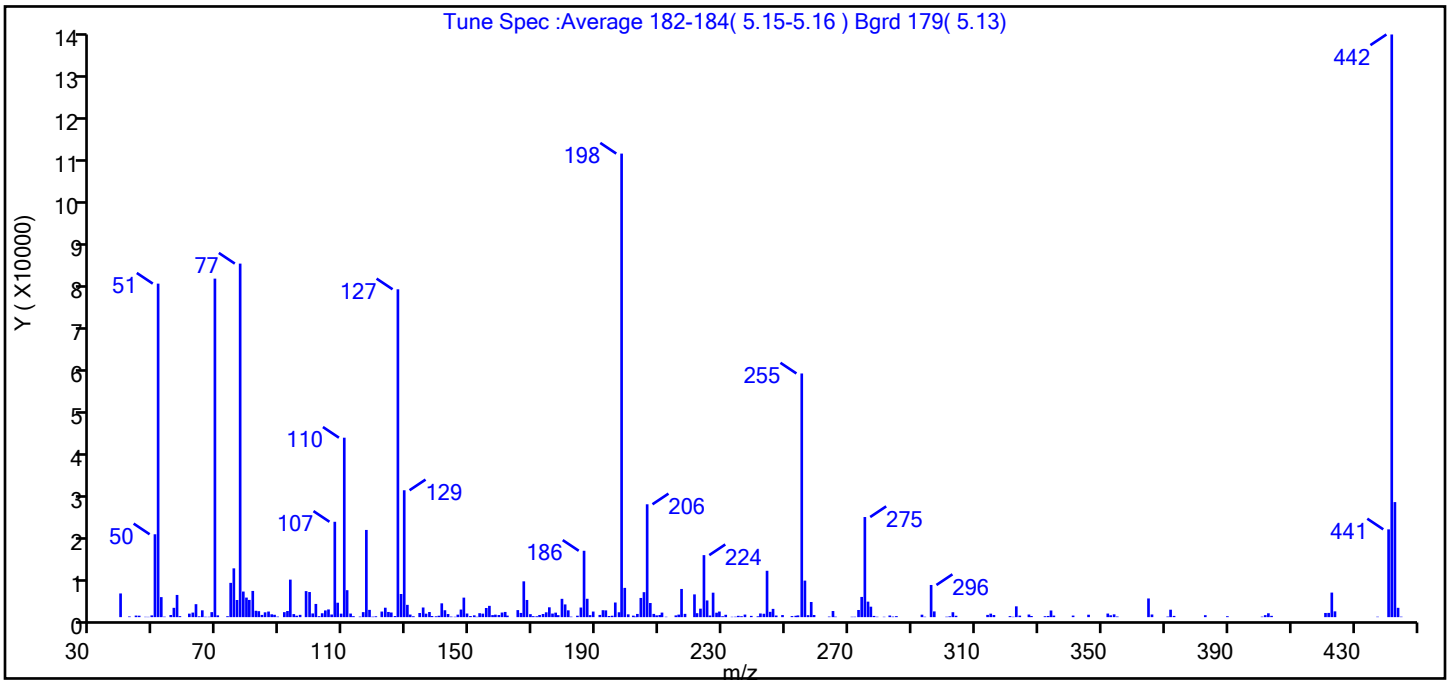
MSS_RVDFTPP_00006 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0050.D
Injection Date: 06-Jan-2021 10:04:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

180 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (79.6)
51	10-80% of the base peak	71.9
68	<2% of mass 69	1.1 (1.5)
69	Present	73.0
70	<2% of mass 69	0.4 (0.5)
127	10-80% of the base peak	70.7
197	<2% of mass 198	1.0
199	5-9% of mass 198	6.3
275	10-60% of the base peak	21.6
365	>1% of mass 198	4.0
441	present but <24% of mass 442	18.9 (15.1)
442	base peak, or >50% of 198	125.7
443	15-24% of mass 442	24.8 (19.7)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0050.D\MSSemi_HP23264.rslt\spectra.d
Injection Date: 06-Jan-2021 10:04:30
Spectrum: Tune Spec :Average 182-184(5.15-5.16) Bgrd 179(5.13)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	5461	116.00	1154	186.00	15295	266.00	115
42.00	159	117.00	20096	187.00	4234	271.00	91
44.00	361	118.00	1675	188.00	459	272.00	95
45.00	332	119.00	117	189.00	1290	273.00	1649
47.00	80	120.00	197	191.00	508	274.00	4657
48.00	68	122.00	1289	192.00	1598	275.00	23072
49.00	401	123.00	2173	193.00	1557	276.00	3570
50.00	19096	124.00	1193	194.00	262	277.00	2408
51.00	76856	125.00	1069	195.00	326	278.00	282
52.00	4614	126.00	249	196.00	3372	279.00	97
53.00	112	127.00	75552	197.00	1119	281.00	85
55.00	493	128.00	5335	198.00	106824	283.00	376
56.00	2145	129.00	29240	199.00	6743	284.00	133
57.00	5116	130.00	2833	200.00	648	285.00	237
58.00	227	131.00	594	202.00	345	293.00	566
61.00	805	132.00	203	202.00	136	294.00	96
62.00	1051	134.00	951	203.00	740	296.00	7412
63.00	2989	135.00	2222	204.00	4424	297.00	1323
64.00	183	136.00	801	205.00	5753	301.00	99
65.00	1573	137.00	1184	206.00	26008	302.00	191
66.00	92	138.00	257	207.00	3255	303.00	1134
67.00	84	139.00	192	208.00	748	304.00	314
68.00	1154	140.00	326	209.00	411	314.00	520
69.00	78008	141.00	3183	210.00	498	315.00	805
70.00	407	142.00	1593	211.00	1049	316.00	490
73.00	212	143.00	716	212.00	93	321.00	236
74.00	7899	144.00	127	215.00	398	322.00	85
75.00	11245	145.00	90	216.00	581	323.00	2492
76.00	3950	146.00	573	217.00	6496	324.00	349
77.00	81472	147.00	1749	218.00	758	327.00	600
78.00	5899	148.00	4499	221.00	5245	328.00	263
79.00	4511	149.00	836	222.00	912	332.00	211
80.00	3968	150.00	257	223.00	1955	333.00	270

Report Date: 06-Jan-2021 21:46:27 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0050.D\MSSemi_HP23264.rslt\spectra.d
Injection Date: 06-Jan-2021 10:04:30
Spectrum: Tune Spec :Average 182-184(5.15-5.16) Bgrd 179(5.13)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	6039	151.00	414	224.00	14292	334.00	1531
82.00	1469	152.00	88	225.00	3851	335.00	356
83.00	1375	153.00	908	226.00	377	341.00	361
84.00	512	154.00	808	227.00	5638	346.00	559
85.00	1109	155.00	2109	228.00	1021	352.00	830
86.00	1293	156.00	2602	229.00	1294	353.00	432
87.00	657	157.00	470	230.00	210	354.00	644
88.00	544	158.00	573	231.00	545	355.00	144
89.00	130	159.00	484	233.00	83	365.00	4306
91.00	1150	160.00	1062	234.00	104	366.00	612
92.00	1413	161.00	1199	235.00	309	371.00	128
93.00	8647	162.00	355	236.00	213	372.00	1714
94.00	703	165.00	1624	237.00	592	373.00	285
95.00	333	166.00	970	239.00	292	383.00	448
96.00	527	167.00	8252	241.00	188	390.00	216
98.00	5999	168.00	3955	242.00	849	401.00	115
99.00	5786	169.00	689	243.00	779	402.00	459
100.00	853	170.00	223	244.00	10685	403.00	893
101.00	3043	171.00	194	245.00	1220	404.00	300
102.00	214	172.00	500	246.00	1904	421.00	962
103.00	897	173.00	729	247.00	373	422.00	976
104.00	1545	174.00	1112	249.00	478	423.00	5661
105.00	1777	175.00	2268	252.00	247	424.00	1334
106.00	605	176.00	825	253.00	315	438.00	100
107.00	21976	177.00	1037	254.00	398	441.00	20232
108.00	3323	178.00	456	255.00	56152	442.00	134272
109.00	808	179.00	4220	256.00	8418	443.00	26512
110.00	41352	180.00	2935	257.00	455	444.00	2150
111.00	6213	181.00	1570	258.00	3492	445.00	107
112.00	828	182.00	112	259.00	489		
113.00	221	184.00	330	264.00	131		
115.00	127	185.00	2214	265.00	1411		

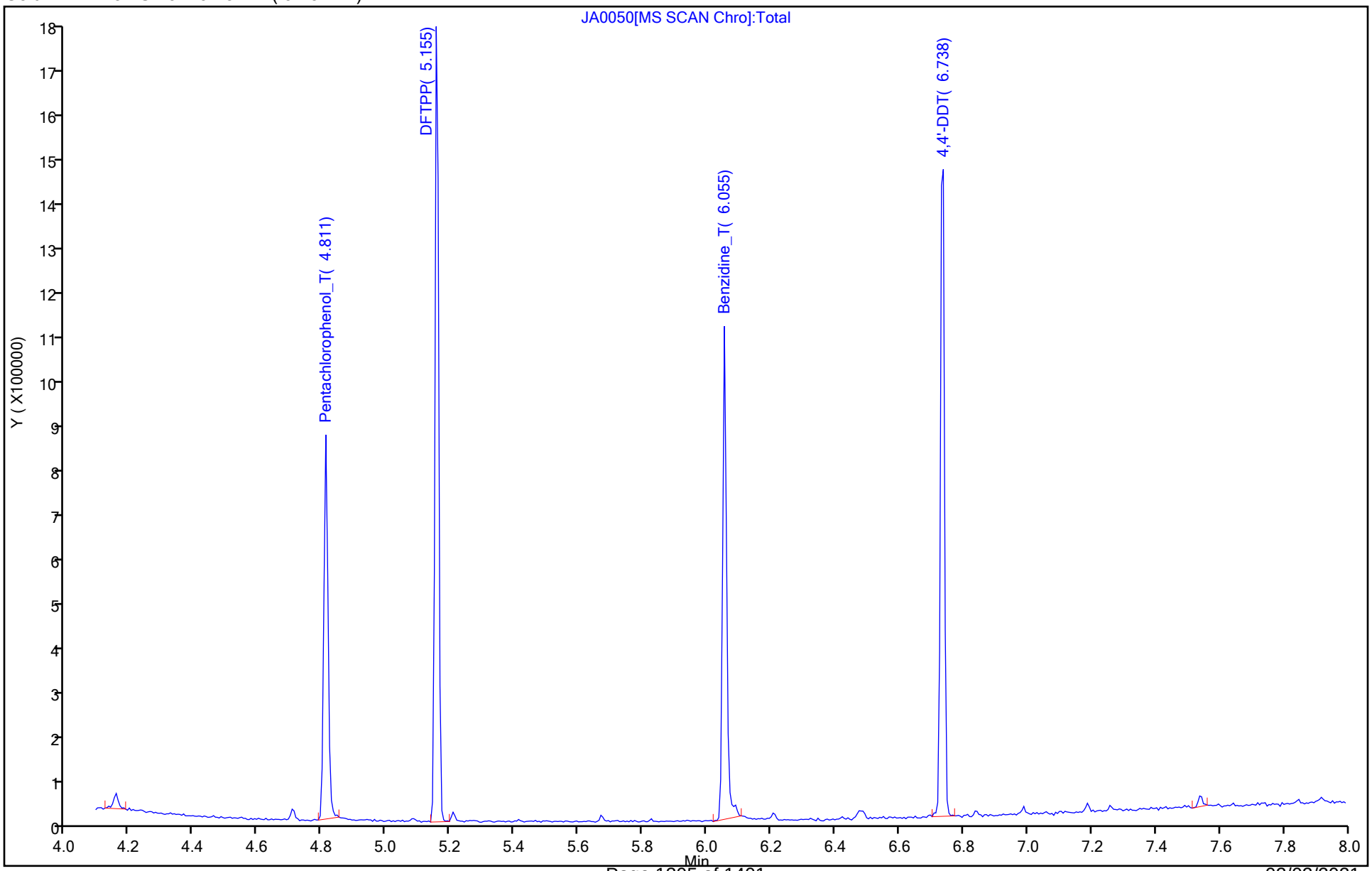
Report Date: 06-Jan-2021 21:46:27 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0050.D

Injection Date:	06-Jan-2021 10:04:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0050.D				
Injection Date:	06-Jan-2021 10:04:30	Instrument ID:	HP23264		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

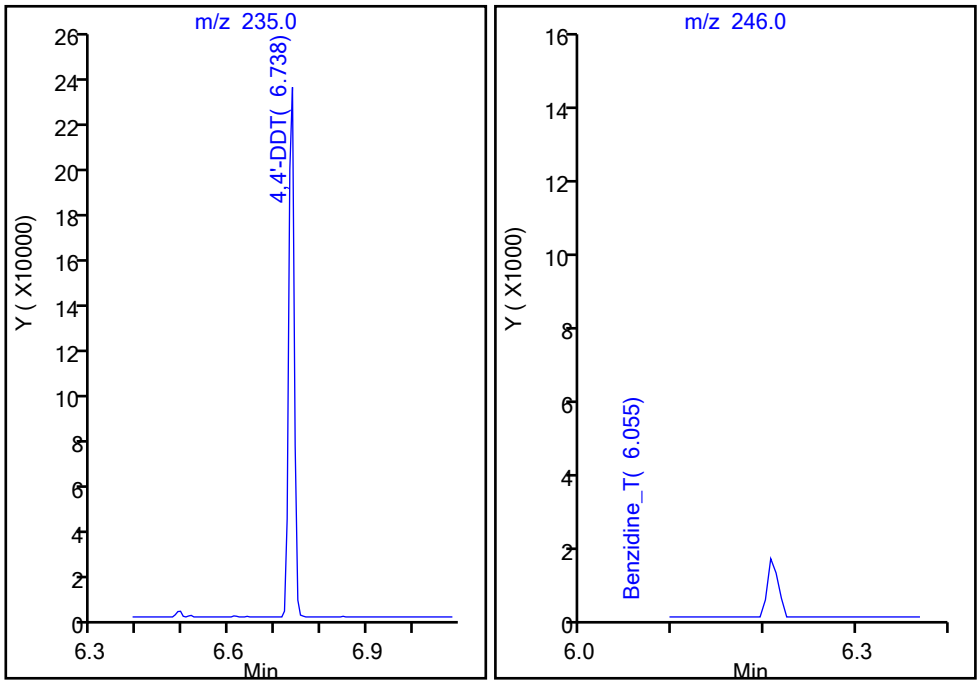
181 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 192473
179 4,4'-DDD, Area = 0
178 4,4'-DDE, Area = 1327

%Breakdown: 0.68%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

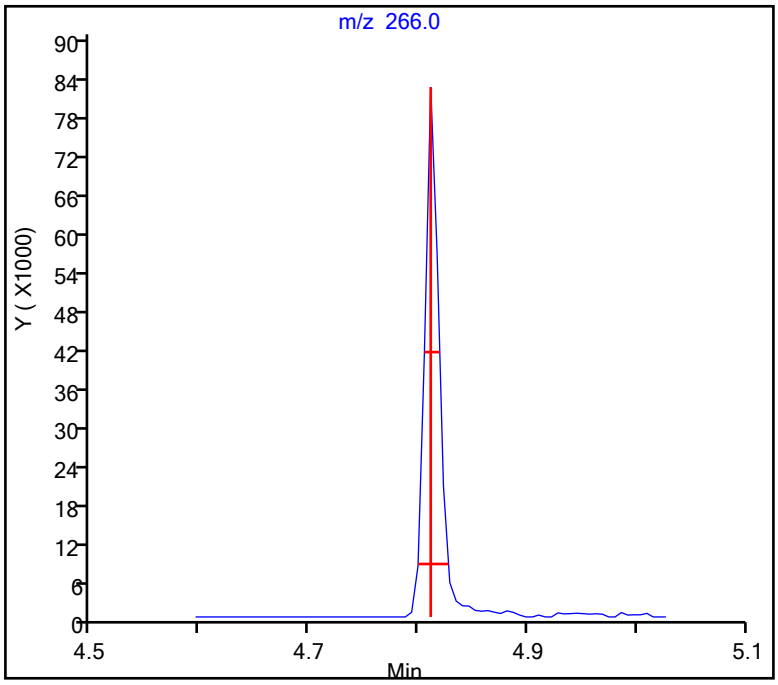
Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0050.D
Injection Date: 06-Jan-2021 10:04:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

5 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.3, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

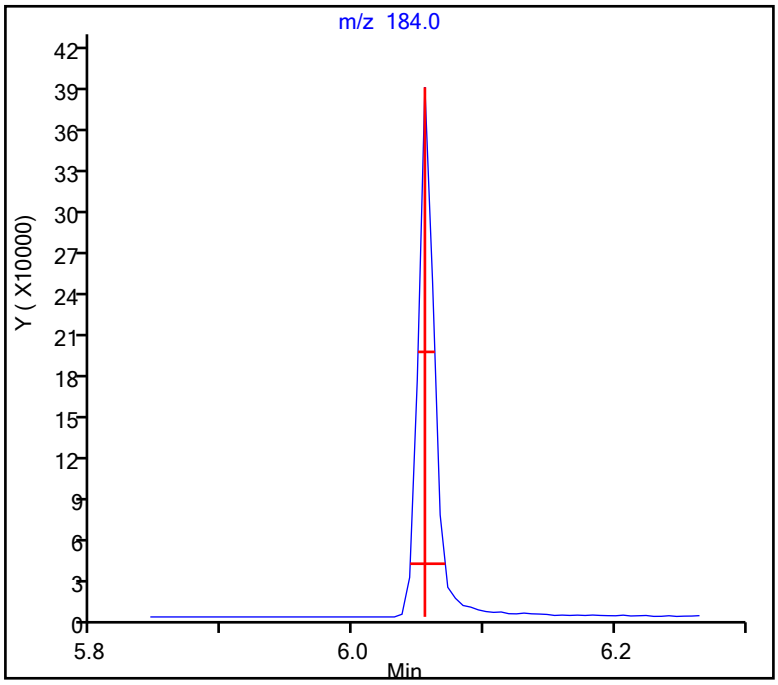
Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0050.D
Injection Date: 06-Jan-2021 10:04:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

7 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.5, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 12-Jan-2021 13:10:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 410-0019179-001
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Jan-2021 21:20:41 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Pentachlorophenol_T	266	4.811	4.811	0.000	88	149626	NR	NR	
7 Benzidine_T	184	6.055	6.055	0.000	99	658511	NR	NR	
180 DFTPP									
178 4,4'-DDE	246	6.207	6.207	0.000	1	355		NR	
179 4,4'-DDD	235		6.732				ND		U
181 4,4'-DDT	235	6.732	6.732	0.000	94	296714	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

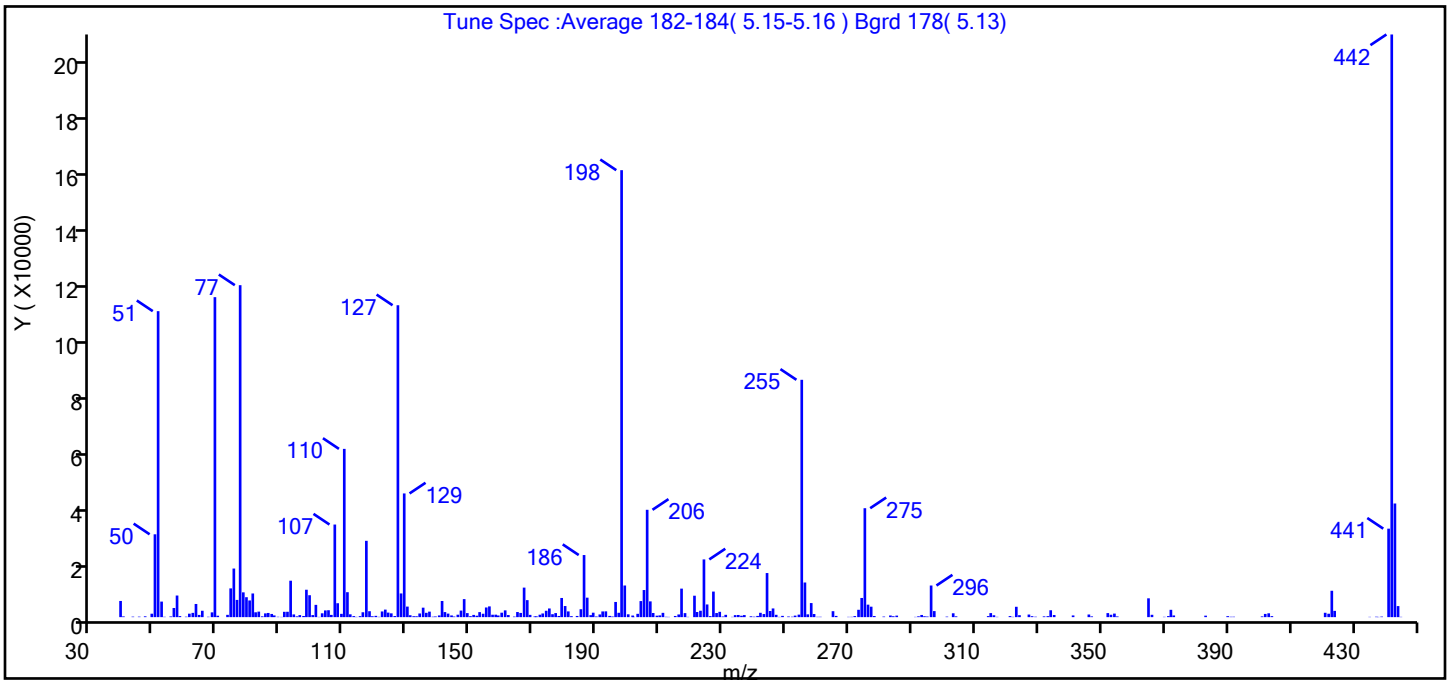
MSS_RVDFTPP_00006 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D
Injection Date: 12-Jan-2021 13:10:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

180 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (76.7)
51	10-80% of the base peak	68.5
68	<2% of mass 69	1.1 (1.5)
69	Present	71.6
70	<2% of mass 69	0.3 (0.4)
127	10-80% of the base peak	69.8
197	<2% of mass 198	1.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	24.4
365	>1% of mass 198	4.2
441	present but <24% of mass 442	19.8 (15.2)
442	base peak, or >50% of 198	130.4
443	15-24% of mass 442	25.4 (19.5)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D\MSSemi_HP23264.rslt\spectra.d
Injection Date: 12-Jan-2021 13:10:30
Spectrum: Tune Spec :Average 182-184(5.15-5.16) Bgrd 178(5.13)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	5716	119.00	317	192.00	2018	274.00	6774
40.00	257	120.00	459	193.00	2047	275.00	38480
43.00	176	121.00	112	194.00	441	276.00	4411
45.00	176	122.00	2011	195.00	221	277.00	3692
47.00	289	123.00	2661	196.00	5366	278.00	388
48.00	3	124.00	1600	197.00	1537	281.00	201
49.00	1215	125.00	1341	198.00	157888	283.00	582
50.00	29264	126.00	389	199.00	11176	284.00	319
51.00	108088	127.00	110176	200.00	1001	285.00	543
52.00	5492	128.00	8372	201.00	566	291.00	94
53.00	126	129.00	43696	202.00	134	292.00	291
55.00	247	130.00	3728	203.00	1177	293.00	769
56.00	3234	131.00	675	204.00	5674	294.00	307
57.00	7636	132.00	325	205.00	9576	295.00	213
58.00	370	133.00	302	206.00	37920	296.00	11173
60.00	159	134.00	1293	207.00	5569	297.00	2139
61.00	1224	135.00	3346	208.00	1459	301.00	186
62.00	1510	136.00	1526	209.00	518	303.00	1364
63.00	4651	137.00	1948	210.00	615	304.00	281
64.00	785	138.00	157	211.00	1518	314.00	369
65.00	2256	139.00	239	212.00	126	315.00	1429
67.00	136	140.00	601	213.00	93	316.00	669
68.00	1684	141.00	5704	215.00	414	317.00	104
69.00	113032	142.00	1791	216.00	942	321.00	372
70.00	502	143.00	1247	217.00	10075	322.00	109
73.00	815	144.00	599	218.00	1418	323.00	3660
74.00	10158	145.00	212	219.00	97	324.00	696
75.00	17168	146.00	859	221.00	7570	327.00	919
76.00	6086	147.00	2317	222.00	1810	328.00	338
77.00	117264	148.00	6369	223.00	2258	329.00	154
78.00	8758	149.00	1425	224.00	20392	332.00	267
79.00	7043	150.00	348	225.00	4481	333.00	354
80.00	5895	151.00	791	226.00	360	334.00	2428

Report Date: 12-Jan-2021 21:20:41 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D\MSSemi_HP23264.rslt\spectra.d
Injection Date: 12-Jan-2021 13:10:30
Spectrum: Tune Spec :Average 182-184(5.15-5.16) Bgrd 178(5.13)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	8361	152.00	506	227.00	9033	335.00	752
82.00	1714	153.00	1774	228.00	1451	341.00	602
83.00	1953	154.00	1199	229.00	1881	346.00	931
84.00	286	155.00	3411	230.00	212	347.00	264
85.00	1326	156.00	3799	231.00	818	352.00	1429
86.00	1477	157.00	853	233.00	95	353.00	843
87.00	1127	158.00	873	234.00	708	354.00	1257
88.00	607	159.00	584	235.00	763	355.00	246
89.00	133	160.00	1568	236.00	501	365.00	6651
90.00	87	161.00	2393	237.00	731	366.00	830
91.00	1882	162.00	741	239.00	298	370.00	110
92.00	1897	164.00	193	240.00	165	371.00	378
93.00	12868	165.00	1803	241.00	431	372.00	2592
94.00	963	166.00	1485	242.00	1534	373.00	594
95.00	276	167.00	10432	243.00	1097	383.00	523
96.00	717	168.00	6009	244.00	15577	390.00	349
97.00	406	169.00	802	245.00	2164	391.00	136
98.00	9680	170.00	258	246.00	3073	392.00	148
99.00	7746	171.00	276	247.00	821	401.00	261
100.00	724	172.00	857	248.00	90	402.00	1137
101.00	4337	173.00	1302	249.00	449	403.00	1359
102.00	90	174.00	2254	251.00	227	404.00	358
103.00	1357	175.00	3064	252.00	154	421.00	1541
104.00	2371	176.00	1034	253.00	539	422.00	1206
105.00	2443	177.00	1431	254.00	886	423.00	9319
106.00	789	178.00	417	255.00	83840	424.00	2213
107.00	32712	179.00	6773	256.00	12237	435.00	100
108.00	4916	180.00	3920	257.00	986	437.00	148
109.00	1167	181.00	2028	258.00	4972	438.00	86
110.00	59440	182.00	350	259.00	1101	439.00	195
111.00	8813	184.00	419	260.00	125	441.00	31256
112.00	996	185.00	2797	261.00	128	442.00	205824
113.00	368	186.00	21936	265.00	2102	443.00	40144
114.00	97	187.00	6880	266.00	437	444.00	3906

Report Date: 12-Jan-2021 21:20:41 Chrom Revision: 2.3 29-Dec-2020 11:38:30
Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D\MSSemi_HP23264.rslt\spectra.d
Injection Date: 12-Jan-2021 13:10:30
Spectrum: Tune Spec :Average 182-184(5.15-5.16) Bgrd 178(5.13)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	351	188.00	700	270.00	102	445.00	104
116.00	1725	189.00	1572	271.00	112		
117.00	26960	190.00	219	272.00	372		
118.00	2091	191.00	950	273.00	2600		

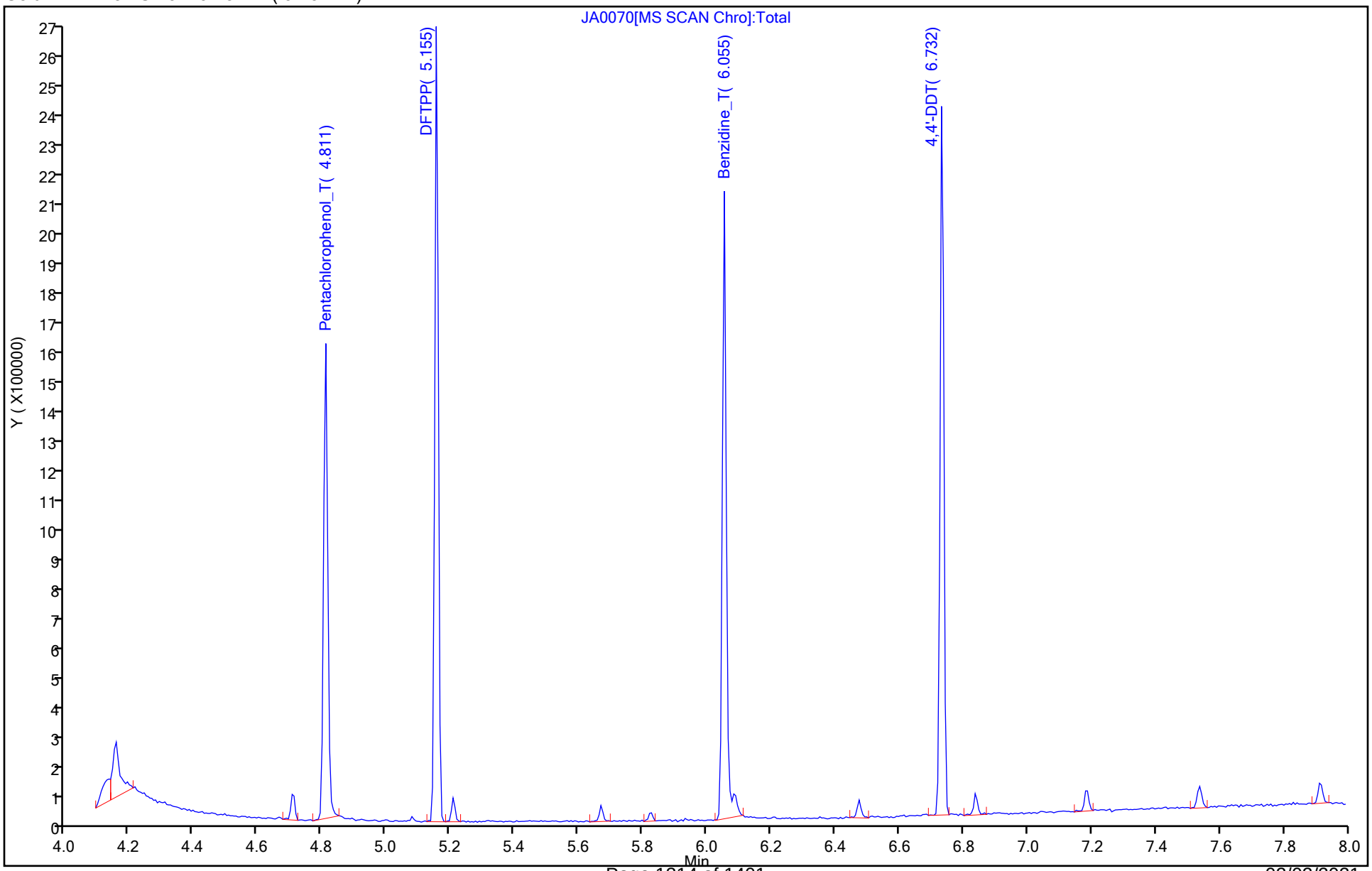
Report Date: 12-Jan-2021 21:20:41 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D

Injection Date:	12-Jan-2021 13:10:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Breakdown Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D
Injection Date: 12-Jan-2021 13:10:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

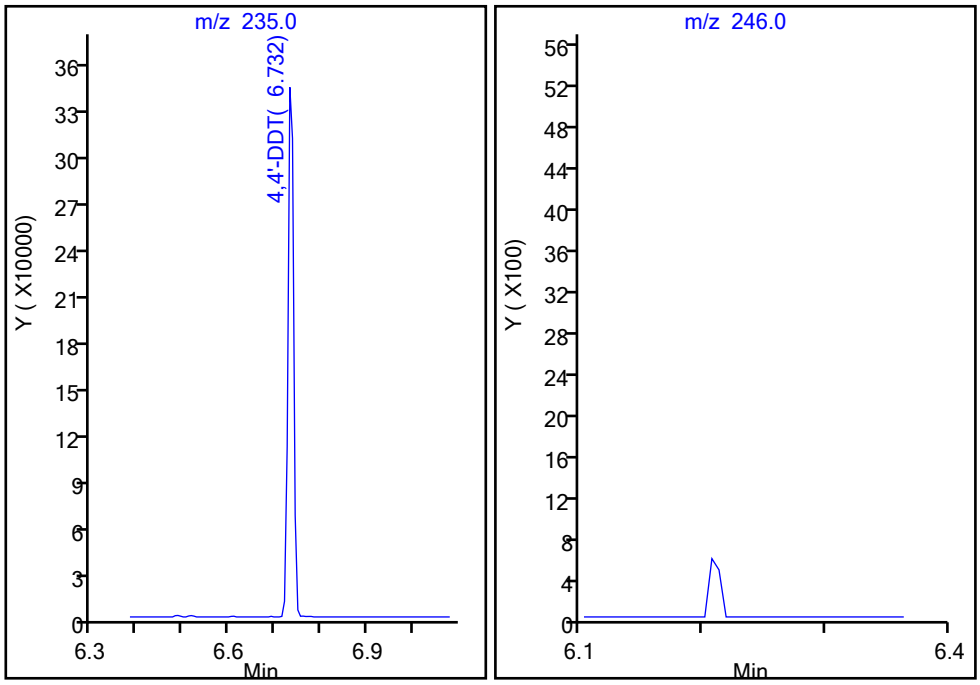
181 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

181 4,4'-DDT, Area = 296714
179 4,4'-DDD, Area = 0
178 4,4'-DDE, Area = 355

%Breakdown: 0.12%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

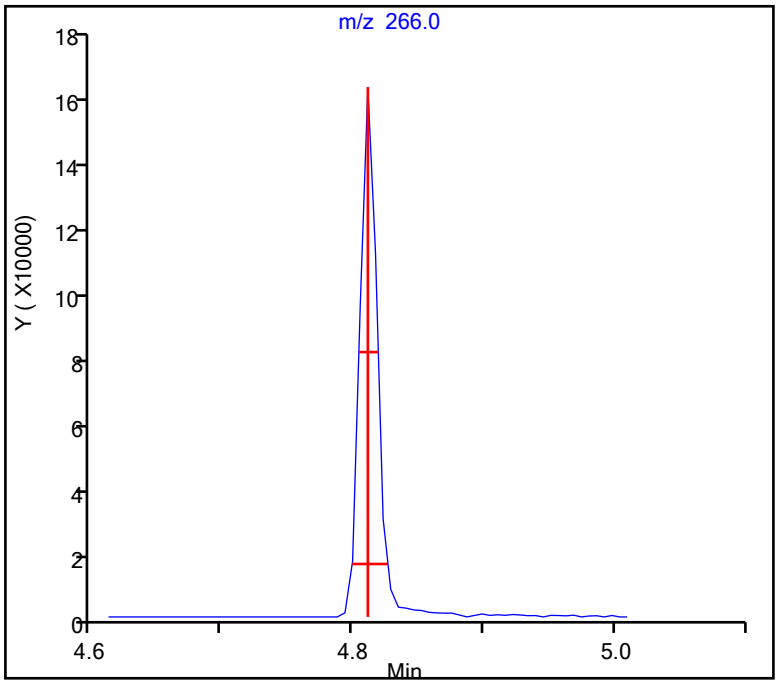
Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D
Injection Date: 12-Jan-2021 13:10:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

5 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.3, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Env, LLC

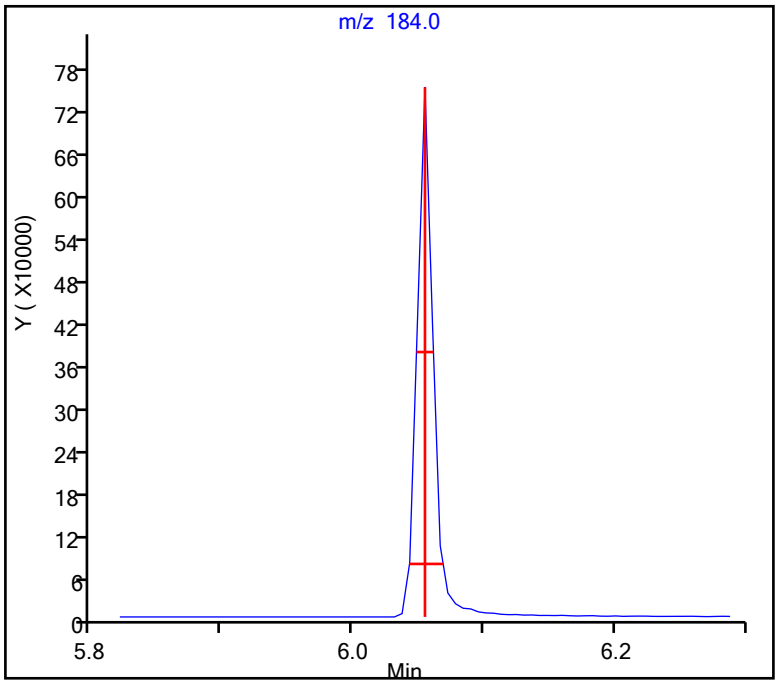
Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0070.D
Injection Date: 12-Jan-2021 13:10:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: knb25316 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

7 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.2, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-81865/1-A

Matrix: Water Lab File ID: JA0052.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/04/2021 17:21

Sample wt/vol: 250(mL) Date Analyzed: 01/06/2021 13:06

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	0.329	J	0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	0.382	J	0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	0.352	J	0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	83		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	76		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	91		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0052.D
Lims ID: MB 410-81865/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Jan-2021 13:06:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-81865/1-A
Misc. Info.: 410-0019332-003
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:44:55 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: luttek Date: 06-Jan-2021 16:47:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	136074	5.00	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	89	991816	25.0	19.0	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	538197	5.00	5.00	
57 Naphthalene	128		8.616					ND	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1329259	25.1	20.9	
91 Acenaphthylene	152		11.146					ND	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	97	197200	5.00	5.00	
94 Acenaphthene	153		11.429					ND	
107 Fluorene	166		12.155					ND	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	96	315787	5.00	5.00	
130 Phenanthrene	178		13.312					ND	
131 Anthracene	178		13.369					ND	
139 Fluoranthene	202		14.923					ND	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	249719	5.00	5.00	
142 Pyrene	202		15.252					ND	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	1069933	25.1	22.8	
149 Benzo[a]anthracene	228		17.249					ND	
152 Chrysene	228		17.305					ND	
156 Benzo[b]fluoranthene	252		19.086					ND	
158 Benzo[k]fluoranthene	252		19.132					ND	
159 Benzo[a]pyrene	252		19.608					ND	U
* 160 Perylene-d12	264	19.699	19.699	0.000	94	242315	5.00	5.00	
164 Indeno[1,2,3-cd]pyrene	276	21.287	21.299	-0.012	95	4916		0.0881	M
165 Dibenz(a,h)anthracene	278	21.333	21.344	-0.011	92	5548		0.0956	
166 Benzo[g,h,i]perylene	276	21.650	21.662	-0.012	91	5040		0.0823	M

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

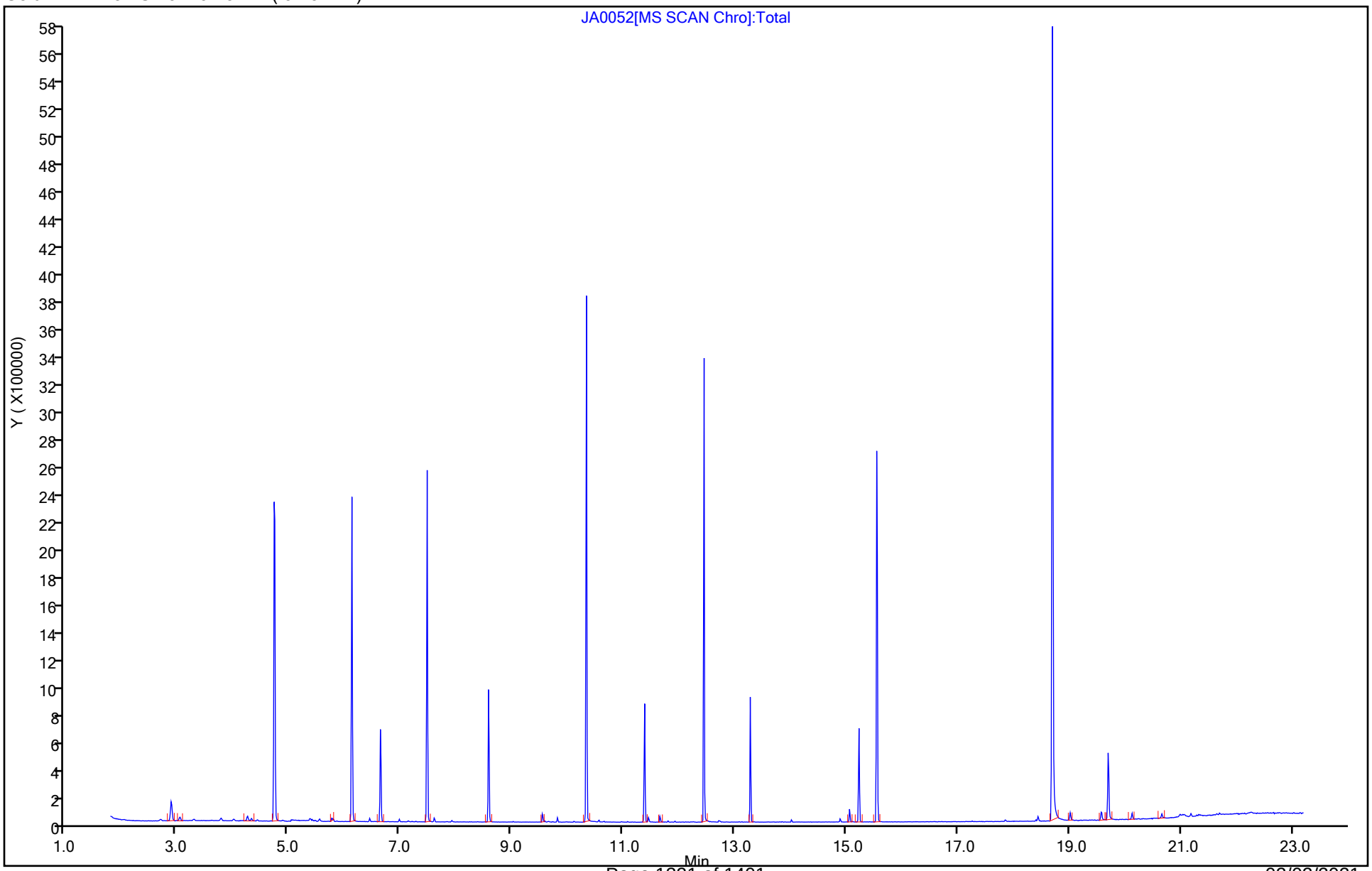
Report Date: 06-Jan-2021 21:45:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0052.D

Injection Date:	06-Jan-2021 13:06:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	MB 410-81865/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Report Date: 06-Jan-2021 21:45:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0052.D

Injection Date: 06-Jan-2021 13:06:30 Instrument ID: HP23264

Lims ID: MB 410-81865/1-A

Client ID:

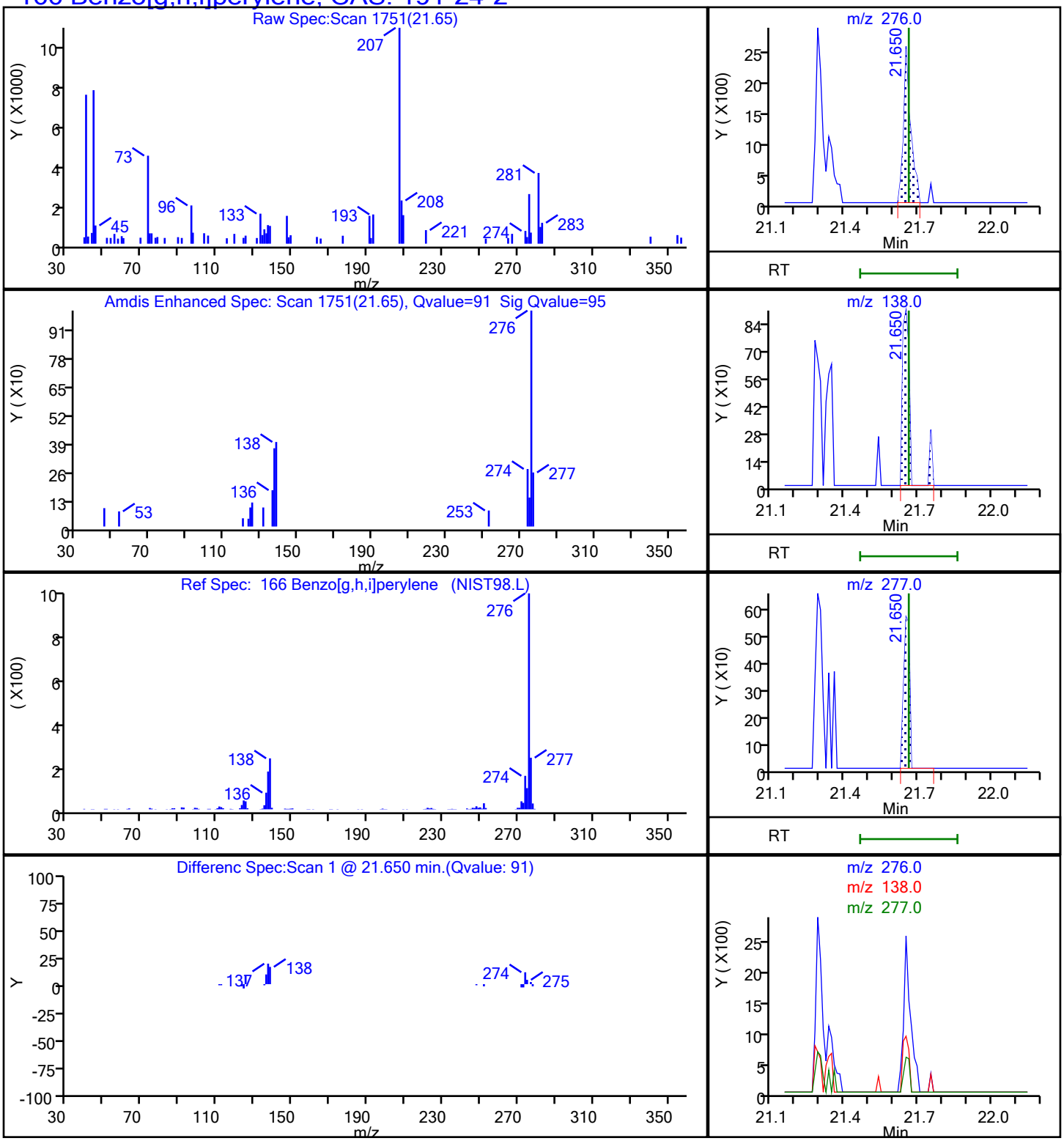
Operator ID: knb25316 ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

166 Benzo[g,h,i]perylene, CAS: 191-24-2



Report Date: 06-Jan-2021 21:45:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0052.D

Injection Date: 06-Jan-2021 13:06:30 Instrument ID: HP23264

Lims ID: MB 410-81865/1-A

Client ID:

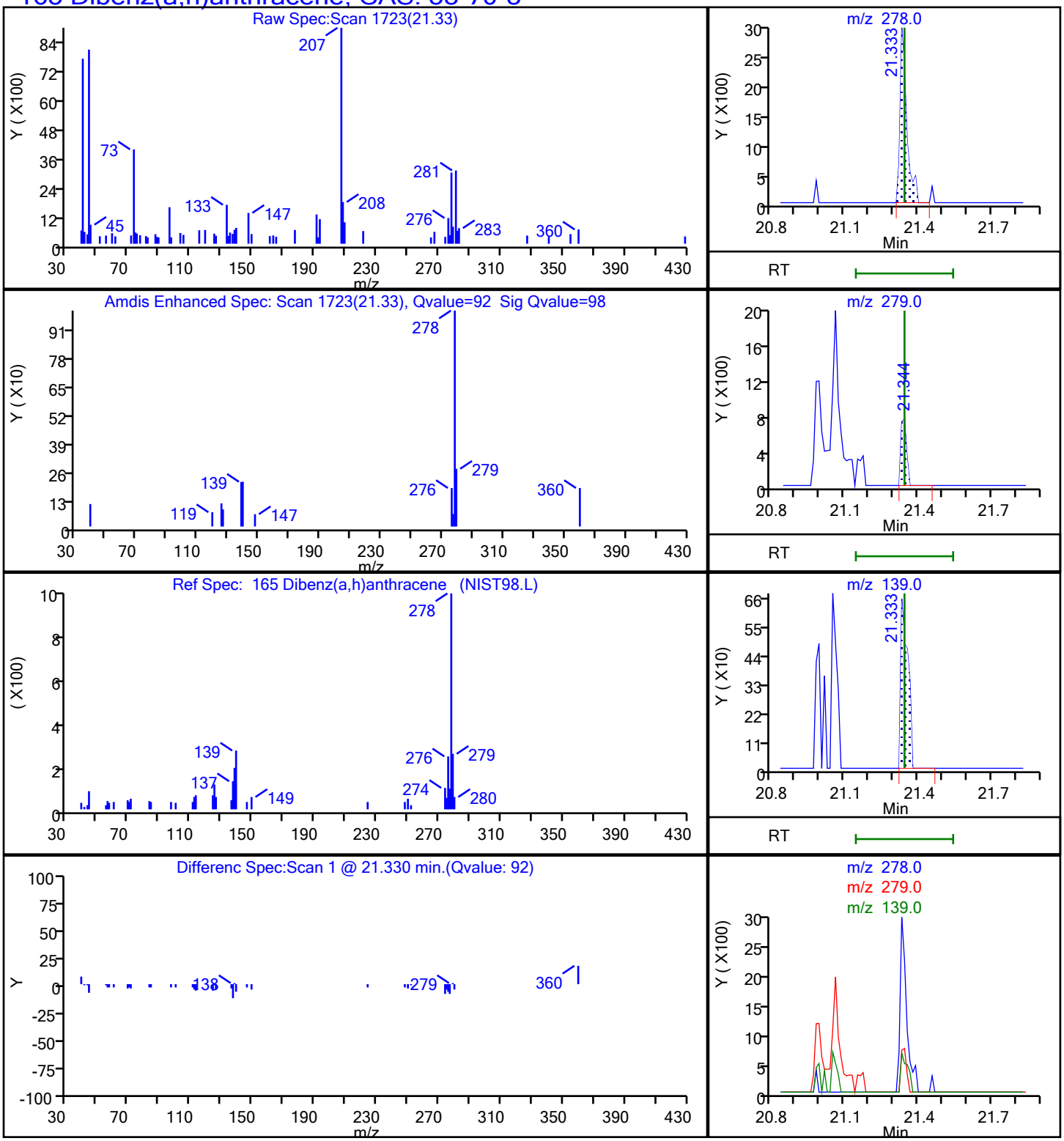
Operator ID: knb25316 ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

165 Dibenz(a,h)anthracene, CAS: 53-70-3



Report Date: 06-Jan-2021 21:45:01 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0052.D

Injection Date: 06-Jan-2021 13:06:30 Instrument ID: HP23264

Lims ID: MB 410-81865/1-A

Client ID:

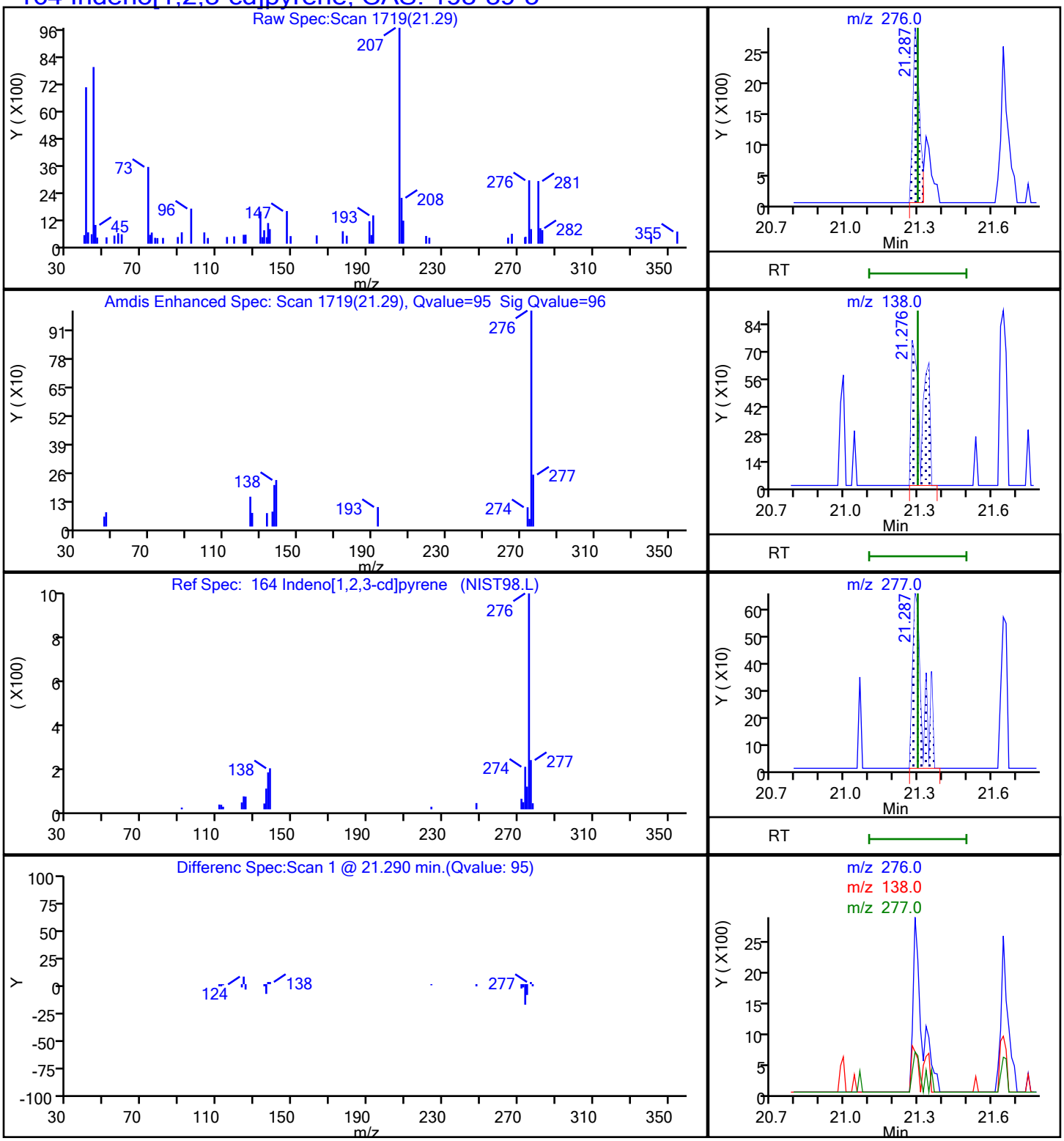
Operator ID: knb25316 ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

164 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



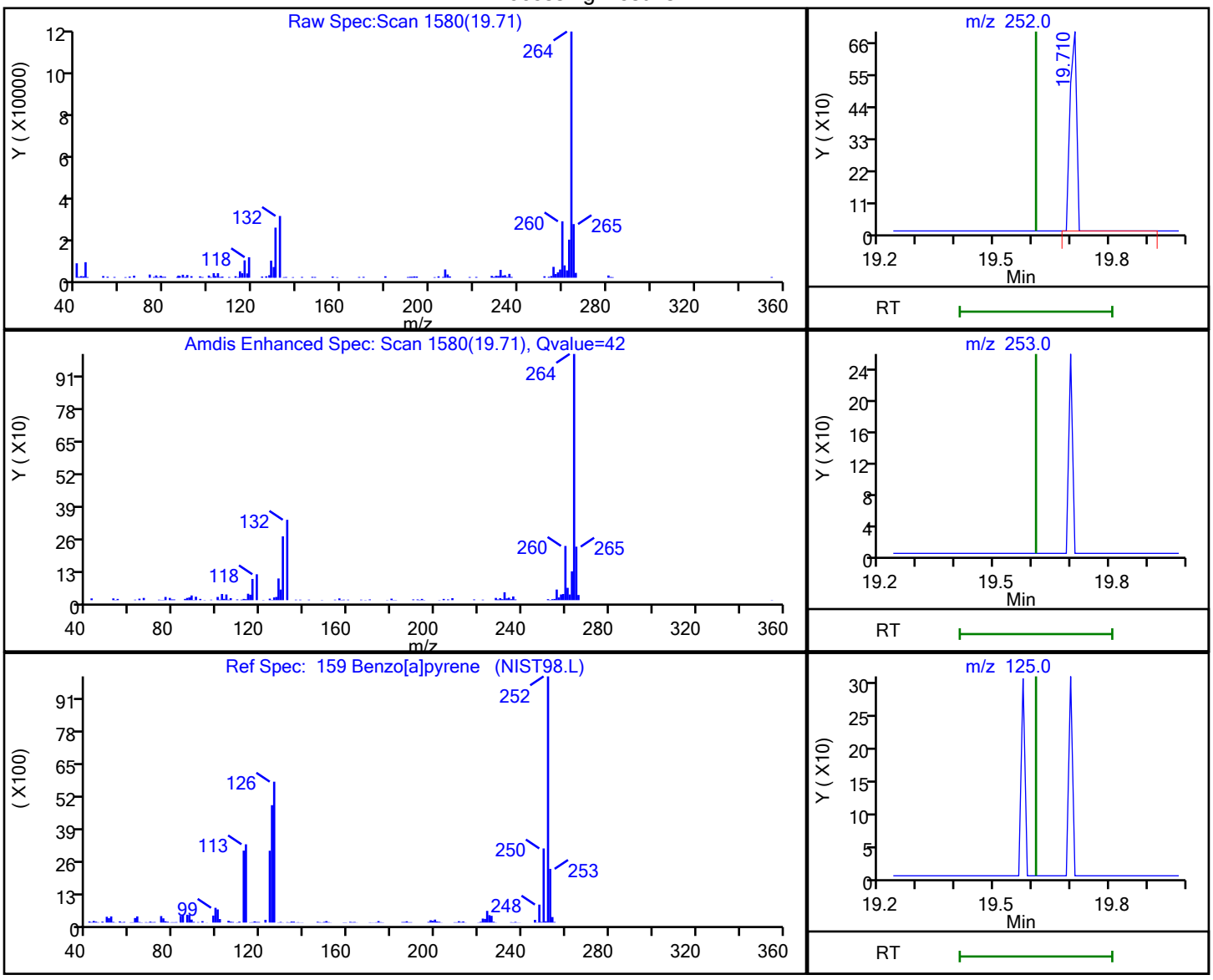
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0052.D				
Injection Date:	06-Jan-2021 13:06:30	Instrument ID:	HP23264		
Lims ID:	MB 410-81865/1-A				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

159 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.71	252.00	818	0.014213
19.61	253.00	0	
19.61	125.00	0	

Reviewer: luttek, 06-Jan-2021 17:10:28

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

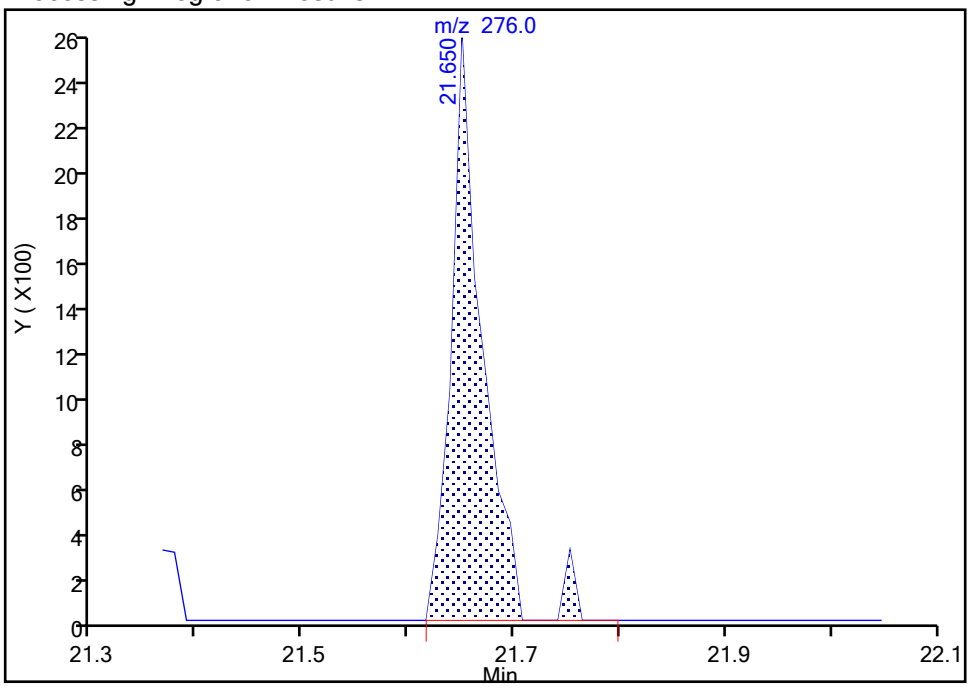
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Injection Date:	06-Jan-2021 13:06:30	Instrument ID:	HP23264		
Lims ID:	MB 410-81865/1-A				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

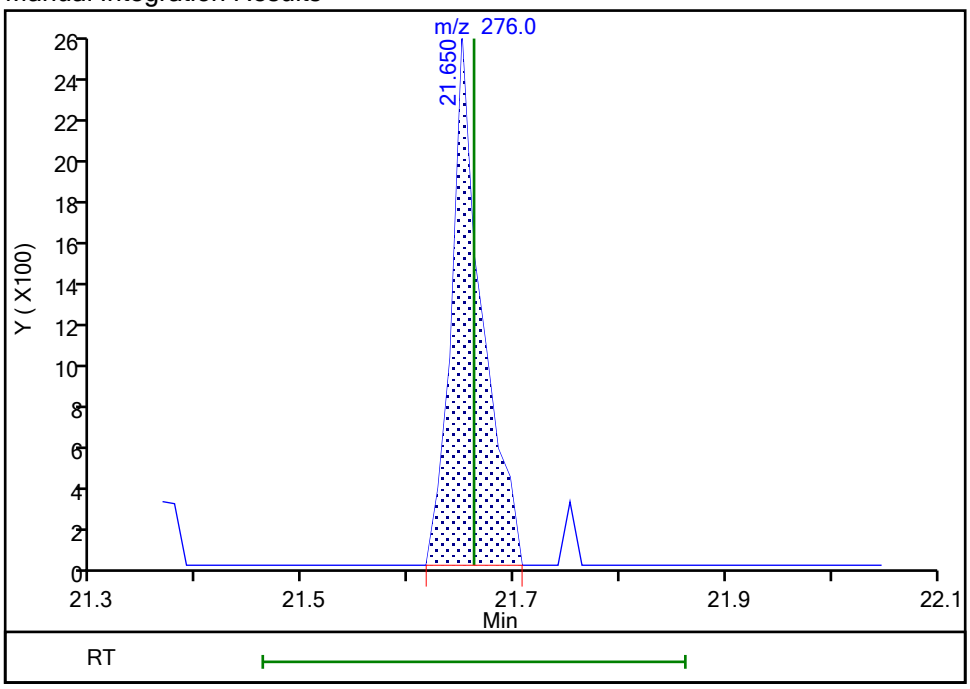
Processing Integration Results

RT: 21.65
Area: 5247
Amount: 0.085632
Amount Units: ug/ml



Manual Integration Results

RT: 21.65
Area: 5040
Amount: 0.082253
Amount Units: ug/ml



Reviewer: luttek, 06-Jan-2021 17:10:52
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

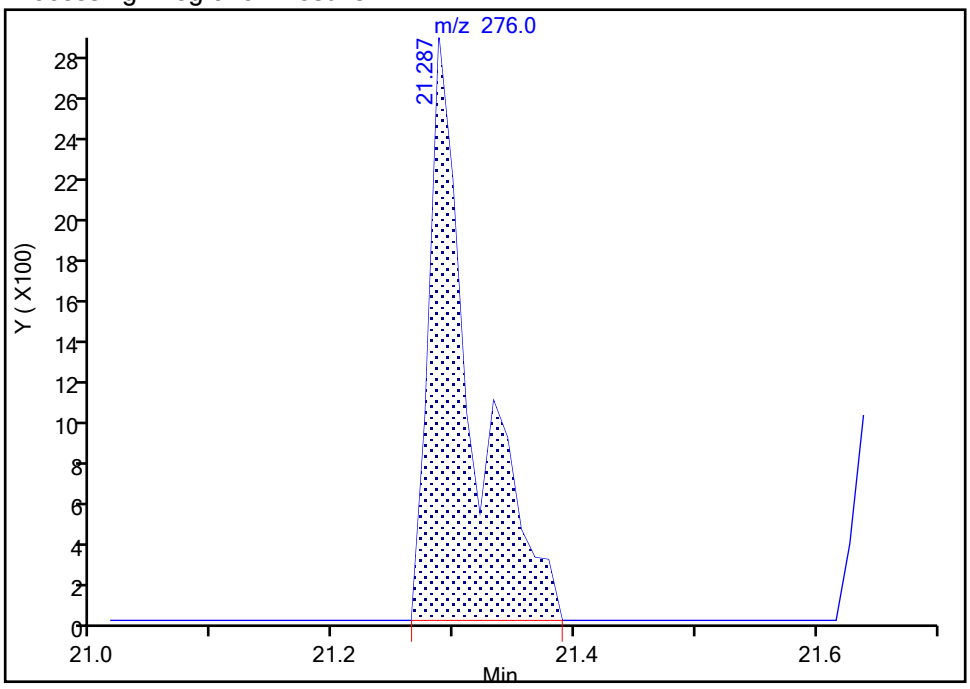
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0052.D				
Injection Date:	06-Jan-2021 13:06:30	Instrument ID:	HP23264		
Lims ID:	MB 410-81865/1-A				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

164 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

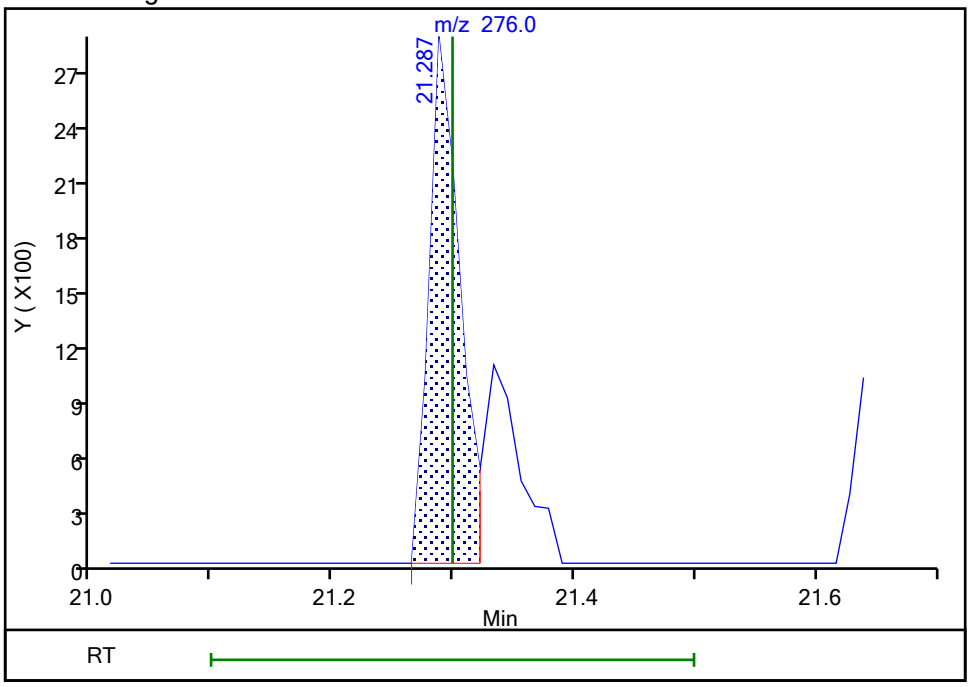
Processing Integration Results

RT: 21.29
Area: 7124
Amount: 0.127645
Amount Units: ug/ml



Manual Integration Results

RT: 21.29
Area: 4916
Amount: 0.088083
Amount Units: ug/ml



Reviewer: luttek, 06-Jan-2021 17:10:36
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-81991/1-A

Matrix: Water Lab File ID: HA0252.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 250(mL) Date Analyzed: 01/06/2021 23:55

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	42	S1-	44-102
4165-60-0	Nitrobenzene-d5 (Surr)	50		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	62		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0252.D
Lims ID: MB 410-81991/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Jan-2021 23:55:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-81991/1-A
Misc. Info.: 410-0019389-003
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:23:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88		1.986					ND	7
$	10 2-Fluorophenol	112	4.726	4.737	-0.011	93	1026788	50.2	15.6	
	15 Benzaldehyde	77		5.979					ND	7
$	16 Phenol-d5	99	6.119	6.125	-0.006	97	867180	50.2	11.2	
	17 Phenol	94		6.142					ND	7
	19 Bis(2-chloroethyl)ether	93		6.264					ND	
	20 2-Chlorophenol	128		6.305					ND	
*	23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	253084	5.00	5.00	
	30 2-Methylphenol	108		7.040					ND	
	32 2,2'-oxybis[1-chloropropane]	45		7.069					ND	
	34 Acetophenone	105		7.238					ND	7
	35 N-Nitrosodi-n-propylamine	70		7.267					ND	U
	36 4-Methylphenol	108		7.279					ND	
	40 Hexachloroethane	117		7.372					ND	
$	41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	892263	25.0	12.5	
	42 Nitrobenzene	77		7.483					ND	7
	45 Isophorone	82		7.867					ND	
	46 2-Nitrophenol	139		7.978					ND	
	48 2,4-Dimethylphenol	107		8.089					ND	
	51 Bis(2-chloroethoxy)methane	93		8.240					ND	
	52 2,4-Dichlorophenol	162		8.357					ND	
*	54 Naphthalene-d8	136	8.555	8.555	0.000	99	962560	5.00	5.00	
	55 Naphthalene	128		8.590					ND	7
	57 4-Chloroaniline	127		8.701					ND	
	60 Hexachlorobutadiene	225		8.817					ND	
	63 Caprolactam	113		9.237					ND	
	66 4-Chloro-3-methylphenol	107		9.517					ND	
	68 2-Methylnaphthalene	142		9.692					ND	
	71 Hexachlorocyclopentadiene	237		9.960					ND	
	72 1,2,4,5-Tetrachlorobenzene	216		9.960					ND	
	74 2,4,6-Trichlorophenol	196		10.164					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
75 2,4,5-Trichlorophenol	196		10.216					ND	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	1666065	25.1	10.6	
78 1,1'-Biphenyl	154		10.455					ND	7
79 2-Chloronaphthalene	162		10.461					ND	
81 Phenyl ether	170		10.636					ND	
82 2-Nitroaniline	138		10.648					ND	
86 Dimethyl phthalate	163		10.986					ND	
88 2,6-Dinitrotoluene	165		11.061					ND	
89 Acenaphthylene	152		11.120					ND	
90 3-Nitroaniline	138		11.312					ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	474835	5.00	5.00	
93 Acenaphthene	153		11.399					ND	
94 2,4-Dinitrophenol	184		11.481					ND	
95 4-Nitrophenol	109		11.621					ND	
97 Dibenzofuran	168		11.662					ND	
98 2,4-Dinitrotoluene	165		11.679					ND	
101 2,3,4,6-Tetrachlorophenol	232		11.854					ND	
104 Diethyl phthalate	149		12.052					ND	
105 Fluorene	166		12.128					ND	
108 4-Chlorophenyl phenyl ether	204		12.157					ND	
109 4-Nitroaniline	138		12.169					ND	
110 4,6-Dinitro-2-methylphenol	198		12.215					ND	
111 N-Nitrosodiphenylamine	169		12.303					ND	
$ 113 2,4,6-Tribromophenol	330	12.420	12.419	0.001	93	741592	50.2	31.2	
118 4-Bromophenyl phenyl ether	248		12.734					ND	
120 Hexachlorobenzene	284		12.781					ND	
122 Atrazine	200		12.967					ND	
123 Pentachlorophenol	266		13.031					ND	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	939744	5.00	5.00	
129 Phenanthrene	178		13.282					ND	7
130 Anthracene	178		13.346					ND	7
131 Carbazole	167		13.562					ND	
133 Di-n-butyl phthalate	149		14.069					ND	7
138 Fluoranthene	202		14.879					ND	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	930882	5.00	5.00	
141 Pyrene	202		15.211					ND	7
$ 142 p-Terphenyl-d14	244	15.503	15.497	0.006	98	2903727	25.1	15.6	
146 Butyl benzyl phthalate	149		16.342					ND	
148 Benzo[a]anthracene	228		17.187					ND	
149 3,3'-Dichlorobenzidine	252		17.187					ND	
151 Chrysene	228		17.246					ND	
152 Bis(2-ethylhexyl) phthalate	149		17.403					ND	7
154 Di-n-octyl phthalate	149		18.551					ND	7
155 Benzo[b]fluoranthene	252		19.017					ND	
157 Benzo[k]fluoranthene	252		19.064					ND	
158 Benzo[a]pyrene	252		19.536					ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	959769	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221					ND	
164 Dibenz(a,h)anthracene	278		21.261					ND	
165 Benzo[g,h,i]perylene	276		21.582					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

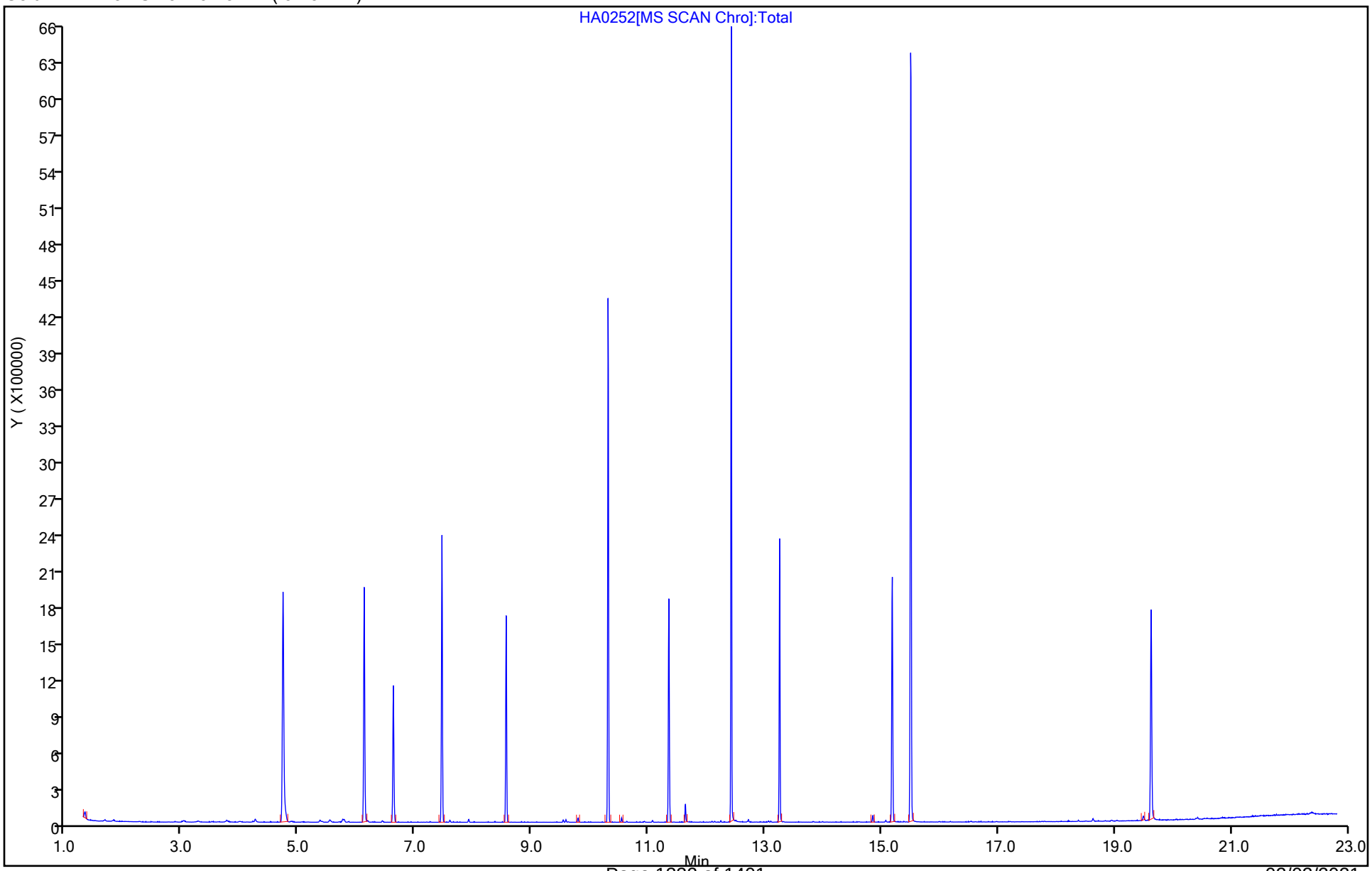
Report Date: 07-Jan-2021 09:01:09 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0252.D

Injection Date:	06-Jan-2021 23:55:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	MB 410-81991/1-A			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



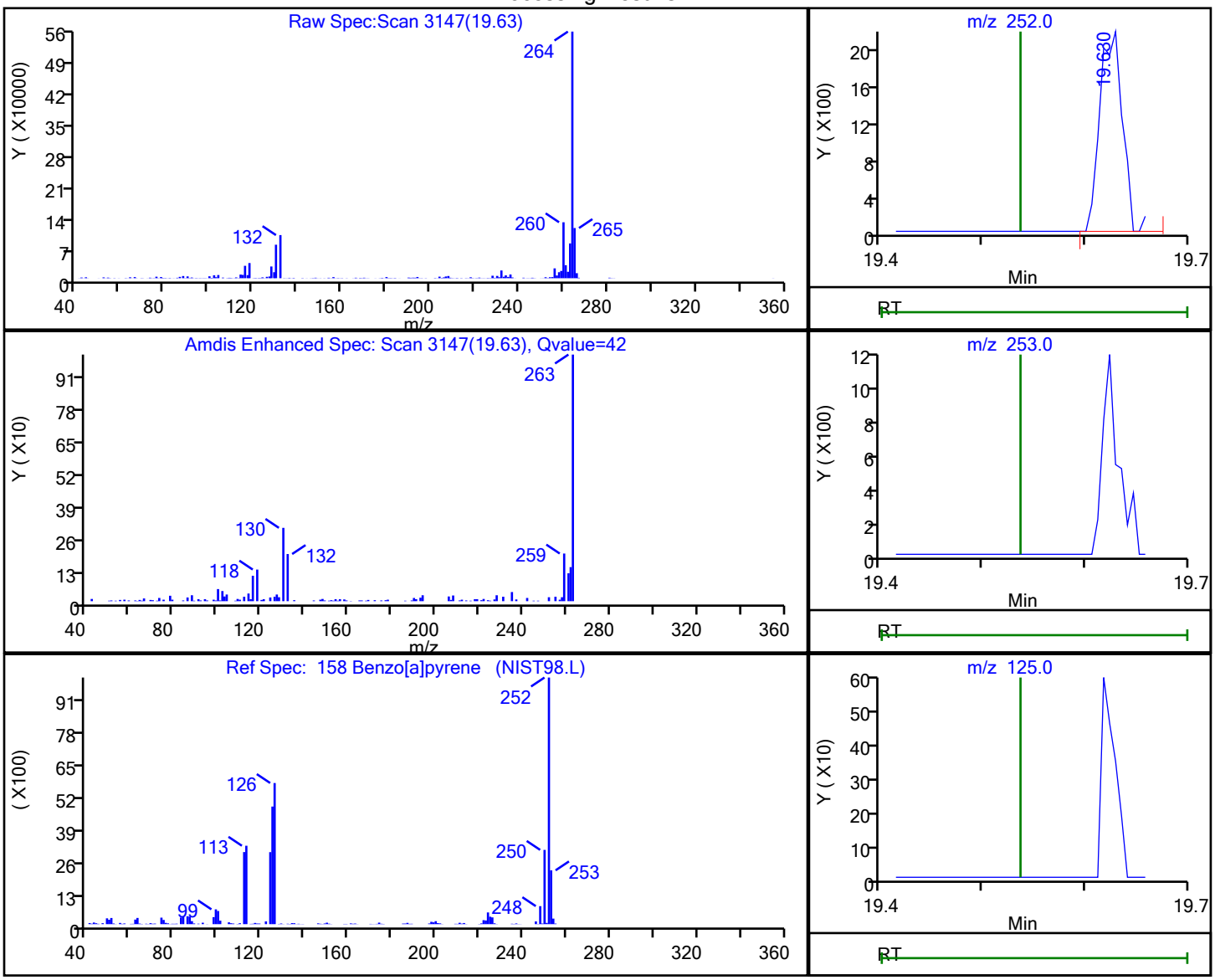
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0252.D				
Injection Date:	06-Jan-2021 23:55:30	Instrument ID:	HP18831		
Lims ID:	MB 410-81991/1-A				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.63	252.00	3336	0.015273
19.62	253.00	1291	
19.62	125.00	622	

Reviewer: monbornee, 07-Jan-2021 08:21:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-82383/1-A

Matrix: Water Lab File ID: HA0303.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 250(mL) Date Analyzed: 01/07/2021 10:15

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82839 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.50	0.10
208-96-8	Acenaphthylene	ND		0.50	0.10
120-12-7	Anthracene	ND		0.50	0.10
56-55-3	Benzo[a]anthracene	ND		0.50	0.10
50-32-8	Benzo[a]pyrene	ND		0.50	0.10
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.10
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.10
218-01-9	Chrysene	ND		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.10
206-44-0	Fluoranthene	ND		0.50	0.10
86-73-7	Fluorene	ND		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.10
91-20-3	Naphthalene	ND		0.50	0.10
85-01-8	Phenanthrene	ND		0.50	0.10
129-00-0	Pyrene	ND		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	51		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	58		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	79		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0303.D
Lims ID: MB 410-82383/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Jan-2021 10:15:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-82383/1-A
Misc. Info.: 410-0019409-004
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:44:27 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: williamss Date: 08-Jan-2021 02:25:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	4.726	4.737	-0.011	93	970312	50.2	17.4	
$ 16 Phenol-d5	99	6.119	6.125	-0.006	98	879545	50.2	13.4	
17 Phenol	94		6.142					ND	7
20 2-Chlorophenol	128		6.305					ND	7
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	95	214000	5.00	5.00	
24 1,4-Dichlorobenzene	146		6.643					ND	
27 1,2-Dichlorobenzene	146		6.865					ND	
30 2-Methylphenol	108		7.040					ND	
32 2,2'-oxybis[1-chloropropane]	45		7.069					ND	
35 N-Nitrosodi-n-propylamine	70		7.261					ND	U
36 4-Methylphenol	108		7.279					ND	7
40 Hexachloroethane	117		7.372					ND	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	865298	25.0	14.6	
42 Nitrobenzene	77		7.483					ND	7
45 Isophorone	82		7.867					ND	
46 2-Nitrophenol	139		7.978					ND	
48 2,4-Dimethylphenol	107		8.089					ND	
51 Bis(2-chloroethoxy)methane	93		8.240					ND	
52 2,4-Dichlorophenol	162		8.357					ND	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	799547	5.00	5.00	
55 Naphthalene	128		8.590					ND	7
57 4-Chloroaniline	127		8.701					ND	
60 Hexachlorobutadiene	225		8.817					ND	
66 4-Chloro-3-methylphenol	107		9.517					ND	
68 2-Methylnaphthalene	142		9.698					ND	
71 Hexachlorocyclopentadiene	237		9.960					ND	
74 2,4,6-Trichlorophenol	196		10.164					ND	
75 2,4,5-Trichlorophenol	196		10.216					ND	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	1645692	25.1	12.7	
79 2-Chloronaphthalene	162		10.461					ND	
82 2-Nitroaniline	138		10.648					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Dimethyl phthalate	163		10.986					ND	
88 2,6-Dinitrotoluene	165		11.061					ND	
89 Acenaphthylene	152		11.114					ND	
90 3-Nitroaniline	138		11.312					ND	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	96	391926	5.00	5.00	
93 Acenaphthene	153		11.400					ND	
94 2,4-Dinitrophenol	184		11.481					ND	
95 4-Nitrophenol	109		11.621					ND	
97 Dibenzofuran	168		11.662					ND	
98 2,4-Dinitrotoluene	165		11.679					ND	
104 Diethyl phthalate	149		12.052					ND	
105 Fluorene	166		12.128					ND	
108 4-Chlorophenyl phenyl ether	204		12.157					ND	
109 4-Nitroaniline	138		12.169					ND	
110 4,6-Dinitro-2-methylphenol	198		12.216					ND	
111 N-Nitrosodiphenylamine	169		12.303					ND	
$ 113 2,4,6-Tribromophenol	330	12.420	12.420	0.000	93	774600	50.2	39.5	
118 4-Bromophenyl phenyl ether	248		12.734					ND	
123 Pentachlorophenol	266		13.032					ND	7
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	768196	5.00	5.00	
129 Phenanthrene	178		13.276					ND	7
130 Anthracene	178		13.346					ND	7
131 Carbazole	167		13.562					ND	
133 Di-n-butyl phthalate	149		14.069					ND	7
138 Fluoranthene	202		14.879					ND	
* 140 Pyrene-d10 (IS)	212	15.177	15.182	-0.005	100	762264	5.00	5.00	
141 Pyrene	202		15.211					ND	7
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	3047480	25.1	19.9	
146 Butyl benzyl phthalate	149		16.342					ND	7
148 Benzo[a]anthracene	228		17.182					ND	
149 3,3'-Dichlorobenzidine	252		17.187					ND	
151 Chrysene	228		17.246					ND	
152 Bis(2-ethylhexyl) phthalate	149		17.403					ND	7
154 Di-n-octyl phthalate	149		18.551					ND	7
155 Benzo[b]fluoranthene	252		19.018					ND	7
157 Benzo[k]fluoranthene	252		19.064					ND	7
158 Benzo[a]pyrene	252		19.536					ND	U
* 159 Perylene-d12	264	19.624	19.624	0.000	98	787286	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276		21.221					ND	
164 Dibenz(a,h)anthracene	278		21.262					ND	
165 Benzo[g,h,i]perylene	276		21.576					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

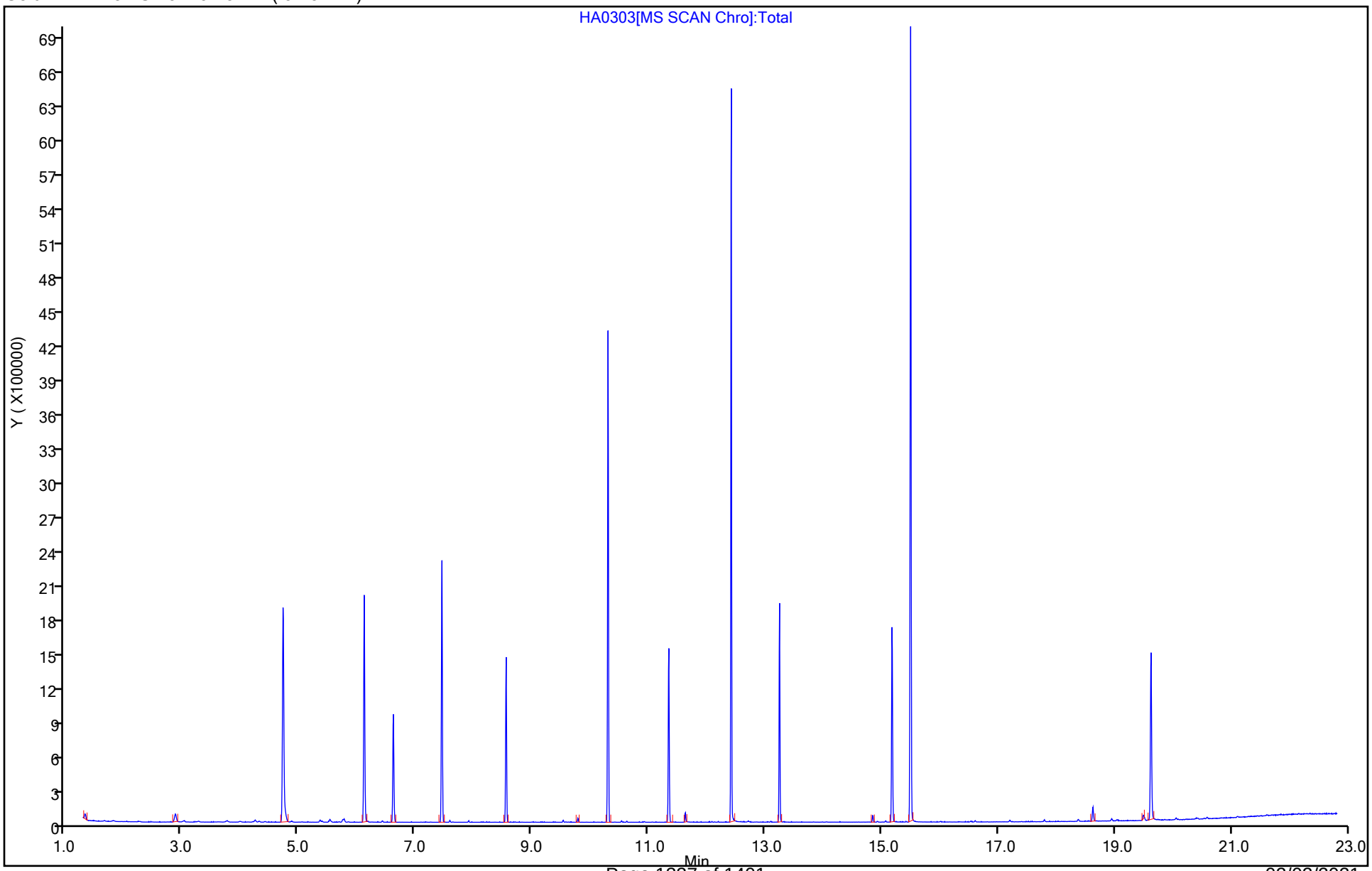
Report Date: 08-Jan-2021 02:44:35 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0303.D

Injection Date:	07-Jan-2021 10:15:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	MB 410-82383/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



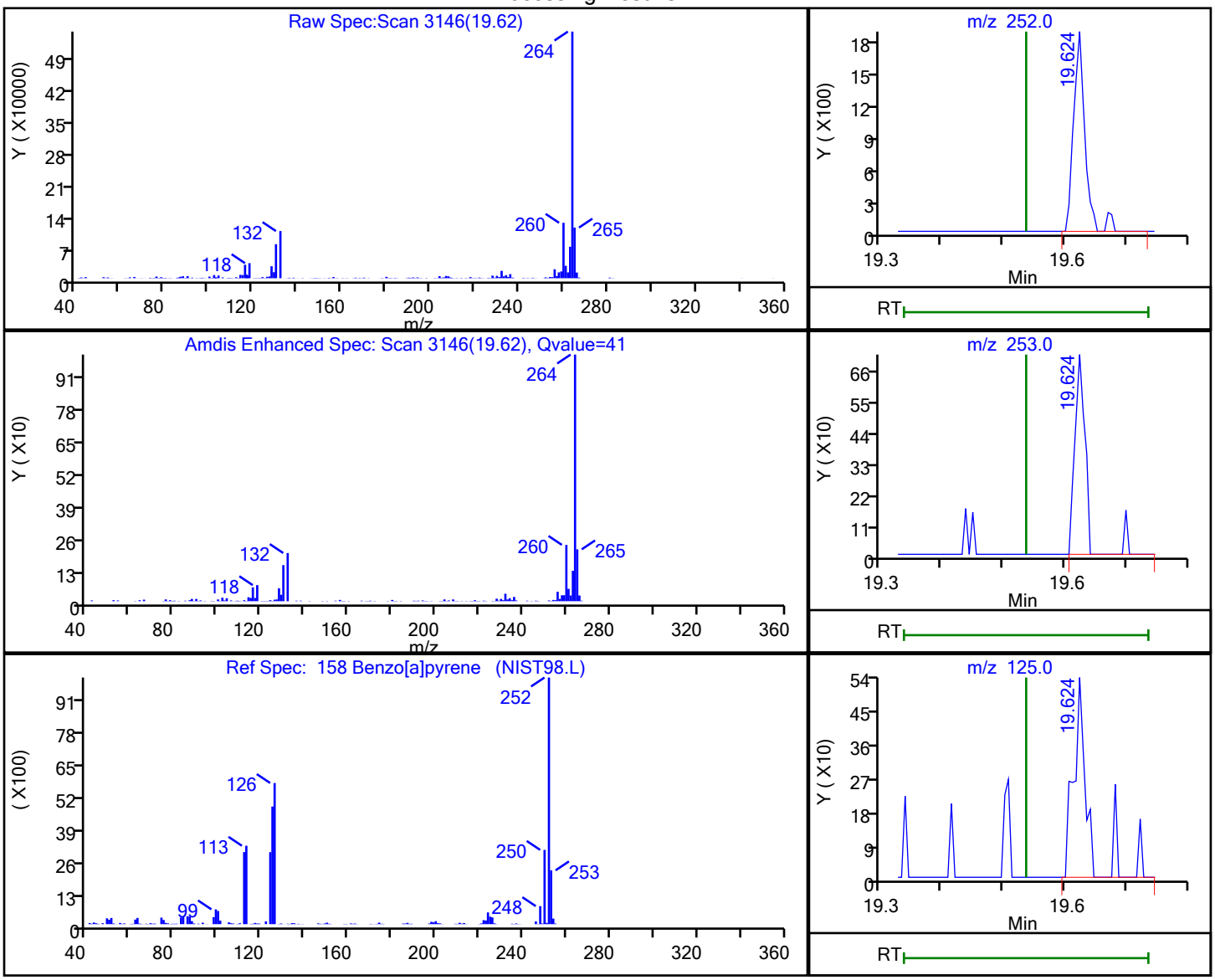
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0303.D				
Injection Date:	07-Jan-2021 10:15:30	Instrument ID:	HP18831		
Lims ID:	MB 410-82383/1-A				
Client ID:					
Operator ID:	em10340	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

158 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
19.62	252.00	2409	0.013446
19.62	253.00	869	
19.62	125.00	833	

Reviewer: williamss, 08-Jan-2021 02:25:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-83558/1-A

Matrix: Water Lab File ID: JA0072.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/11/2021 10:30

Sample wt/vol: 250(mL) Date Analyzed: 01/12/2021 14:25

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 84066 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	*Acenaphthene*	*ND*		*0.50*	*0.10*
208-96-8	*Acenaphthylene*	*ND*		*0.50*	*0.10*
120-12-7	*Anthracene*	*ND*		*0.50*	*0.10*
56-55-3	*Benzo[a]anthracene*	*ND*		*0.50*	*0.10*
50-32-8	*Benzo[a]pyrene*	*ND*		*0.50*	*0.10*
205-99-2	*Benzo[b]fluoranthene*	*ND*		*0.50*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*ND*		*0.50*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*ND*		*0.50*	*0.10*
218-01-9	*Chrysene*	*ND*		*0.50*	*0.10*
53-70-3	*Dibenz(a,h)anthracene*	*ND*		*0.50*	*0.10*
206-44-0	*Fluoranthene*	*ND*		*0.50*	*0.10*
86-73-7	*Fluorene*	*ND*		*0.50*	*0.10*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*ND*		*0.50*	*0.10*
91-20-3	*Naphthalene*	*ND*		*0.50*	*0.10*
85-01-8	*Phenanthrene*	*ND*		*0.50*	*0.10*
129-00-0	*Pyrene*	*ND*		*0.50*	*0.10*

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	71		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	76		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	97		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0072.D
Lims ID: MB 410-83558/1-A
Client ID:
Sample Type: MB
Inject. Date: 12-Jan-2021 14:25:30 ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-83558/1-A
Misc. Info.: 410-0019719-006
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Jan-2021 20:54:13 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: williamss Date: 12-Jan-2021 20:43:05

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	3 N-Nitrosodimethylamine	74		2.569					ND	
$	12 2-Fluorophenol	112	4.748	4.759	-0.011	94	1118153	50.2	23.2	
	19 Benzaldehyde	77		5.995					ND	7
$	20 Phenol-d5	99	6.132	6.143	-0.011	97	952875	50.2	15.3	
	21 Phenol	94		6.154					ND	7
	24 Bis(2-chloroethyl)ether	93		6.290					ND	7
	25 2-Chlorophenol	128		6.324					ND	7
	26 1,3-Dichlorobenzene	146		6.551					ND	7
*	28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	98	157113	5.00	5.00	
	29 1,4-Dichlorobenzene	146		6.676					ND	7
	31 1,2-Dichlorobenzene	146		6.892					ND	
	33 2-Methylphenol	108		7.062					ND	
	35 2,2'-oxybis[1-chloropropane]	45		7.096					ND	7
	38 Acetophenone	105		7.266					ND	7
	39 N-Nitrosodi-n-propylamine	70		7.289					ND	U
	37 4-Methylphenol	108		7.300					ND	7
	42 Hexachloroethane	117		7.402					ND	
$	43 Nitrobenzene-d5	82	7.482	7.481	0.001	89	1105948	25.0	19.1	
	44 Nitrobenzene	77		7.516					ND	U
	47 Isophorone	82		7.890					ND	7
	48 2-Nitrophenol	139		8.003					ND	
	49 2,4-Dimethylphenol	107		8.117					ND	7
	52 Bis(2-chloroethoxy)methane	93		8.230					ND	
	54 2,4-Dichlorophenol	162		8.378					ND	
*	56 Naphthalene-d8	136	8.582	8.582	0.000	99	596752	5.00	5.00	
	57 Naphthalene	128		8.616					ND	U
	58 4-Chloroaniline	127		8.729					ND	7
	62 Hexachlorobutadiene	225		8.843					ND	
	64 Caprolactam	113		9.274					ND	
	67 4-Chloro-3-methylphenol	107		9.535					ND	
	69 2-Methylnaphthalene	142		9.728					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
71 Hexachlorocyclopentadiene	237		9.989					ND	
74 2,4,6-Trichlorophenol	196		10.193					ND	
76 2,4,5-Trichlorophenol	196		10.238					ND	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	100	1359740	25.1	17.8	
80 1,1'-Biphenyl	154		10.488					ND	7
81 2-Chloronaphthalene	162		10.499					ND	7
84 2-Nitroaniline	138		10.681					ND	
87 Dimethyl phthalate	163		11.021					ND	7
90 2,6-Dinitrotoluene	165		11.100					ND	
91 Acenaphthylene	152	11.146	11.146	0.000	87	1279		0.0137	
92 3-Nitroaniline	138		11.350					ND	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	96	237320	5.00	5.00	
94 Acenaphthene	153		11.429					ND	7
95 2,4-Dinitrophenol	184		11.520					ND	
97 4-Nitrophenol	109		11.645					ND	
101 Dibenzofuran	168		11.702					ND	7
100 2,4-Dinitrotoluene	165		11.713					ND	
105 Diethyl phthalate	149		12.076					ND	7
107 Fluorene	166		12.155					ND	7
109 4-Chlorophenyl phenyl ether	204		12.189					ND	
108 4-Nitroaniline	138		12.201					ND	
111 4,6-Dinitro-2-methylphenol	198		12.246					ND	
112 N-Nitrosodiphenylamine	169		12.337					ND	7
113 1,2-Diphenylhydrazine	77		12.371					ND	7
$ 114 2,4,6-Tribromophenol	330	12.450	12.450	0.000	92	446042	50.2	41.9	
119 4-Bromophenyl phenyl ether	248		12.768					ND	
121 Hexachlorobenzene	284		12.802					ND	
123 Atrazine	200		12.995					ND	
124 Pentachlorophenol	266		13.063					ND	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	96	370507	5.00	5.00	
130 Phenanthrene	178		13.312					ND	U
131 Anthracene	178		13.380					ND	
132 Carbazole	167		13.596					ND	7
134 Di-n-butyl phthalate	149		14.106					ND	7
139 Fluoranthene	202		14.923					ND	7
140 Benzidine	184		15.161					ND	7
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	294320	5.00	5.00	
142 Pyrene	202		15.252					ND	U
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	1339168	25.1	24.3	
147 Butyl benzyl phthalate	149		16.398					ND	7
149 Benzo[a]anthracene	228		17.249					ND	7
150 3,3'-Dichlorobenzidine	252		17.249					ND	
152 Chrysene	228		17.305					ND	7
153 Bis(2-ethylhexyl) phthalate	149		17.464					ND	7
155 Di-n-octyl phthalate	149		18.621					ND	7
156 Benzo[b]fluoranthene	252		19.087					ND	U
158 Benzo[k]fluoranthene	252		19.132					ND	
159 Benzo[a]pyrene	252		19.608					ND	7
* 160 Perylene-d12	264	19.699	19.699	0.000	95	284076	5.00	5.00	
164 Indeno[1,2,3-cd]pyrene	276		21.299					ND	
165 Dibenz(a,h)anthracene	278		21.344					ND	7
166 Benzo[g,h,i]perylene	276		21.662					ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00015	Amount Added:	20.00	Units: uL	Run Reagent

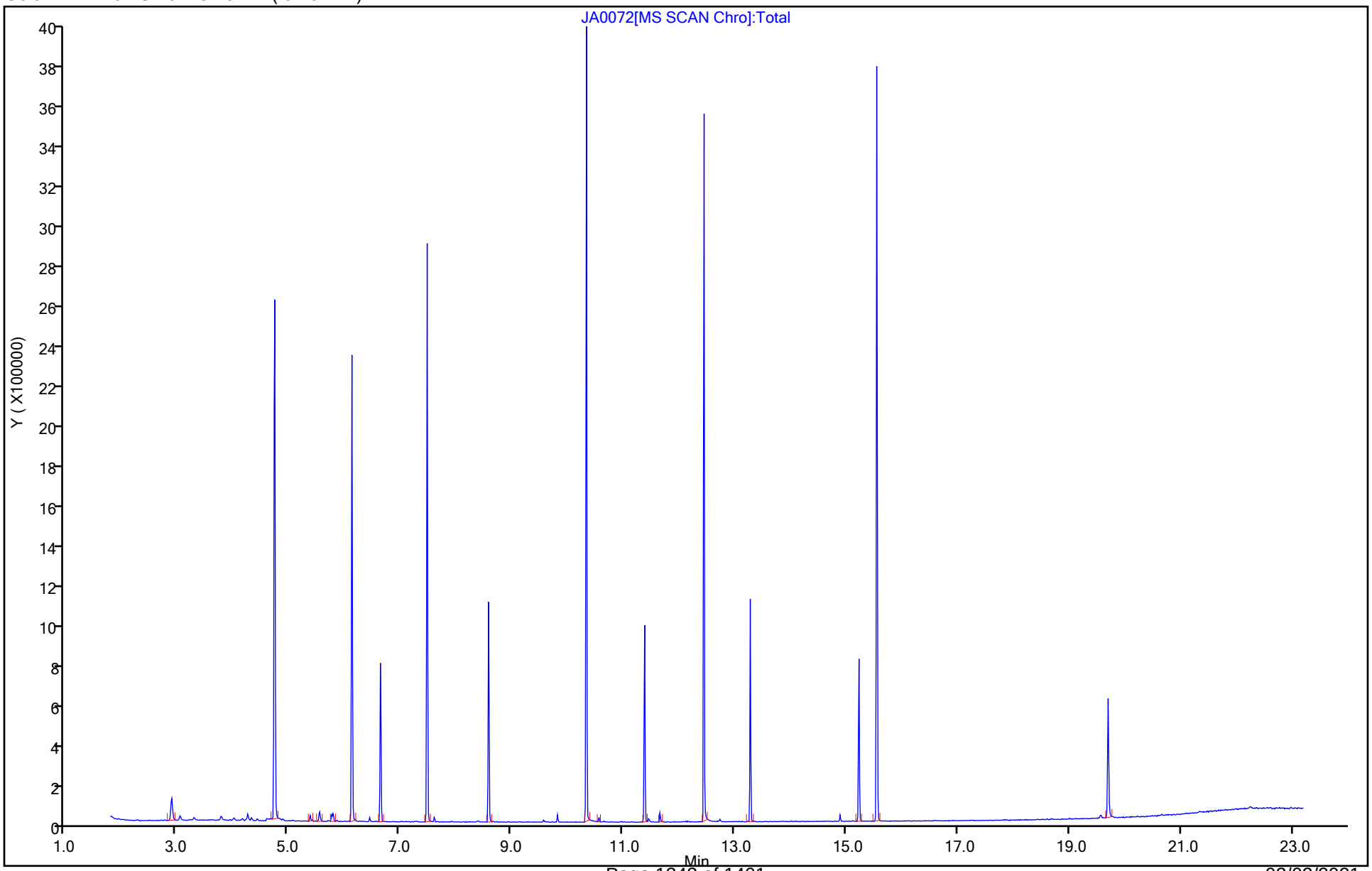
Report Date: 12-Jan-2021 20:55:04 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0072.D

Injection Date:	12-Jan-2021 14:25:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	MB 410-83558/1-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



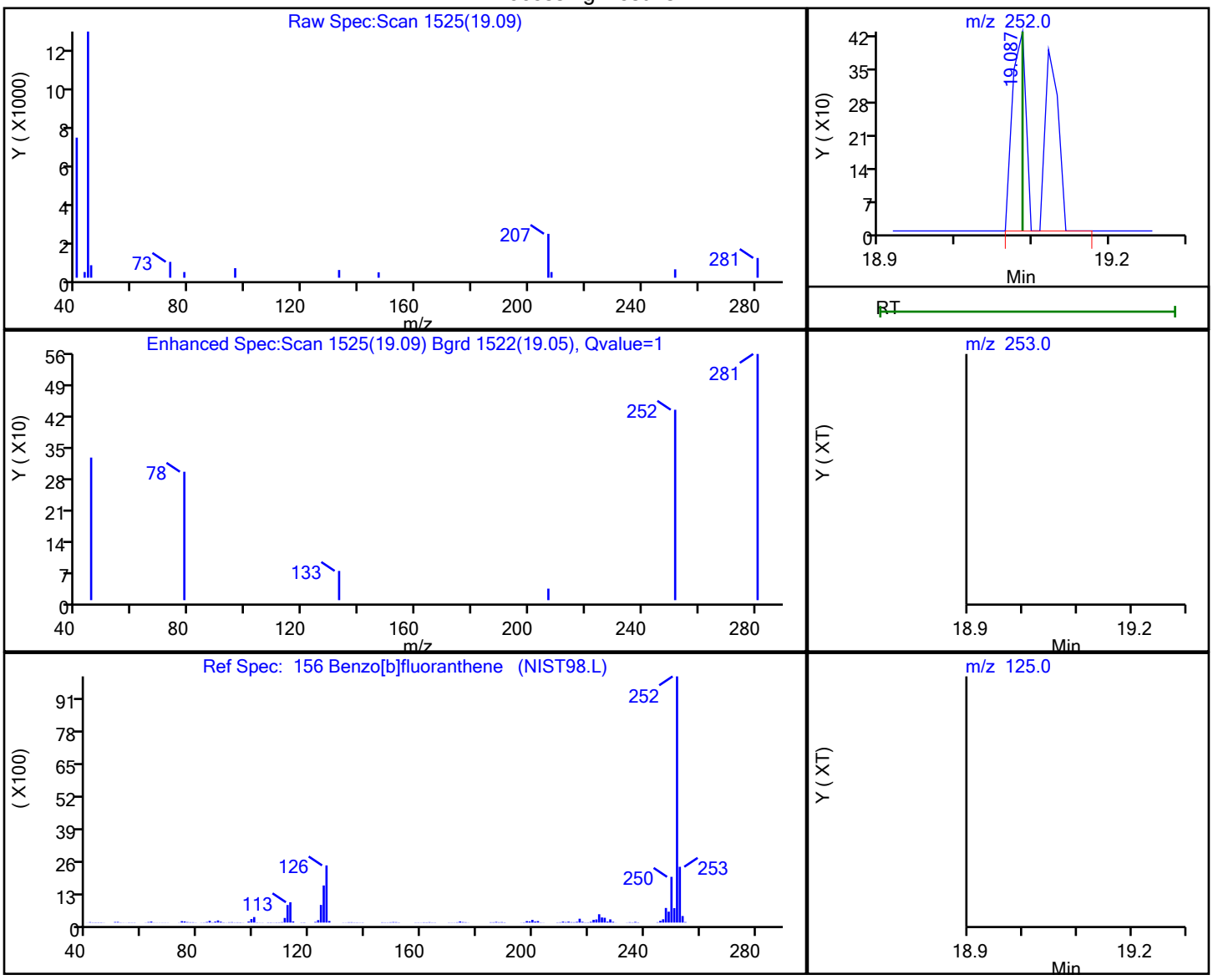
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0072.D				
Injection Date:	12-Jan-2021 14:25:30	Instrument ID:	HP23264		
Lims ID:	MB 410-83558/1-A				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

156 Benzo[b]fluoranthene, CAS: 205-99-2

Processing Results



RT	Mass	Response	Amount
19.09	252.00	995	0.014144
19.09	253.00	0	
19.09	125.00	0	

Reviewer: williamss, 12-Jan-2021 20:42:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

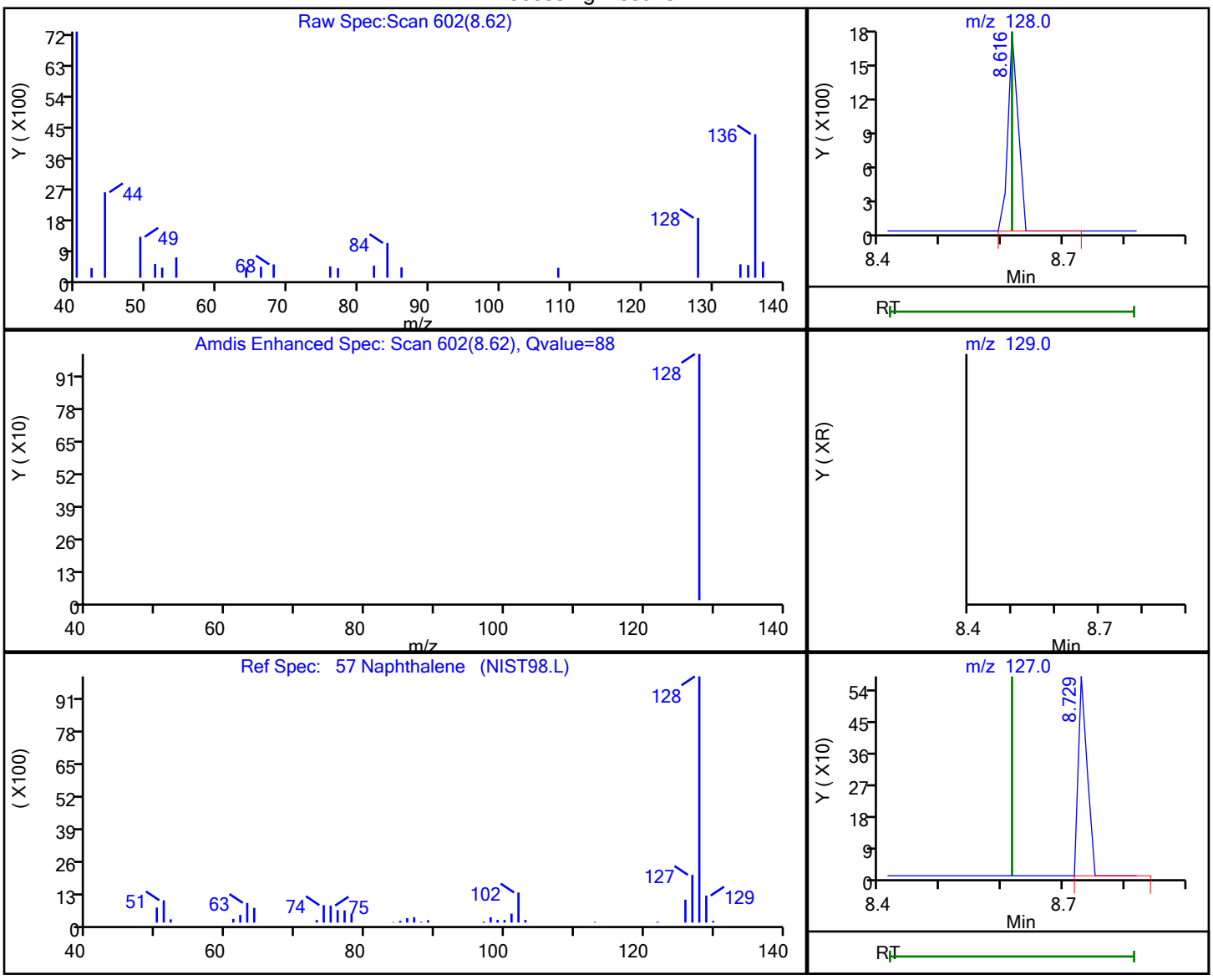
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0072.D				
Injection Date:	12-Jan-2021 14:25:30	Instrument ID:	HP23264		
Lims ID:	MB 410-83558/1-A				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

57 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
8.62	128.00	2000	0.015228
8.62	129.00	0	
8.73	127.00	568	

Reviewer: williamss, 12-Jan-2021 20:42:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

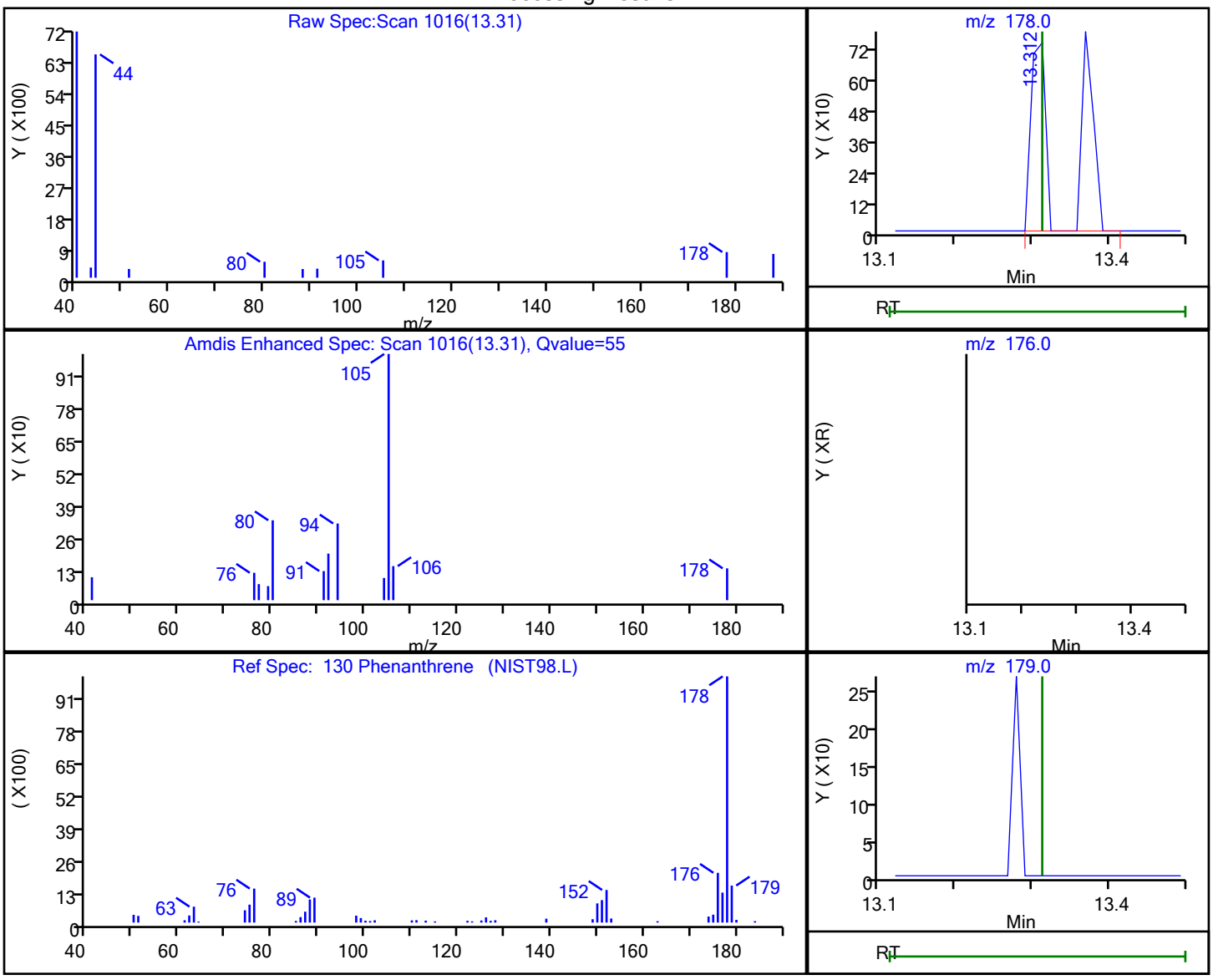
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0072.D				
Injection Date:	12-Jan-2021 14:25:30	Instrument ID:	HP23264		
Lims ID:	MB 410-83558/1-A				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

130 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
13.31	178.00	1810	0.020146
13.31	176.00	0	
13.31	179.00	0	

Reviewer: williamss, 12-Jan-2021 20:42:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

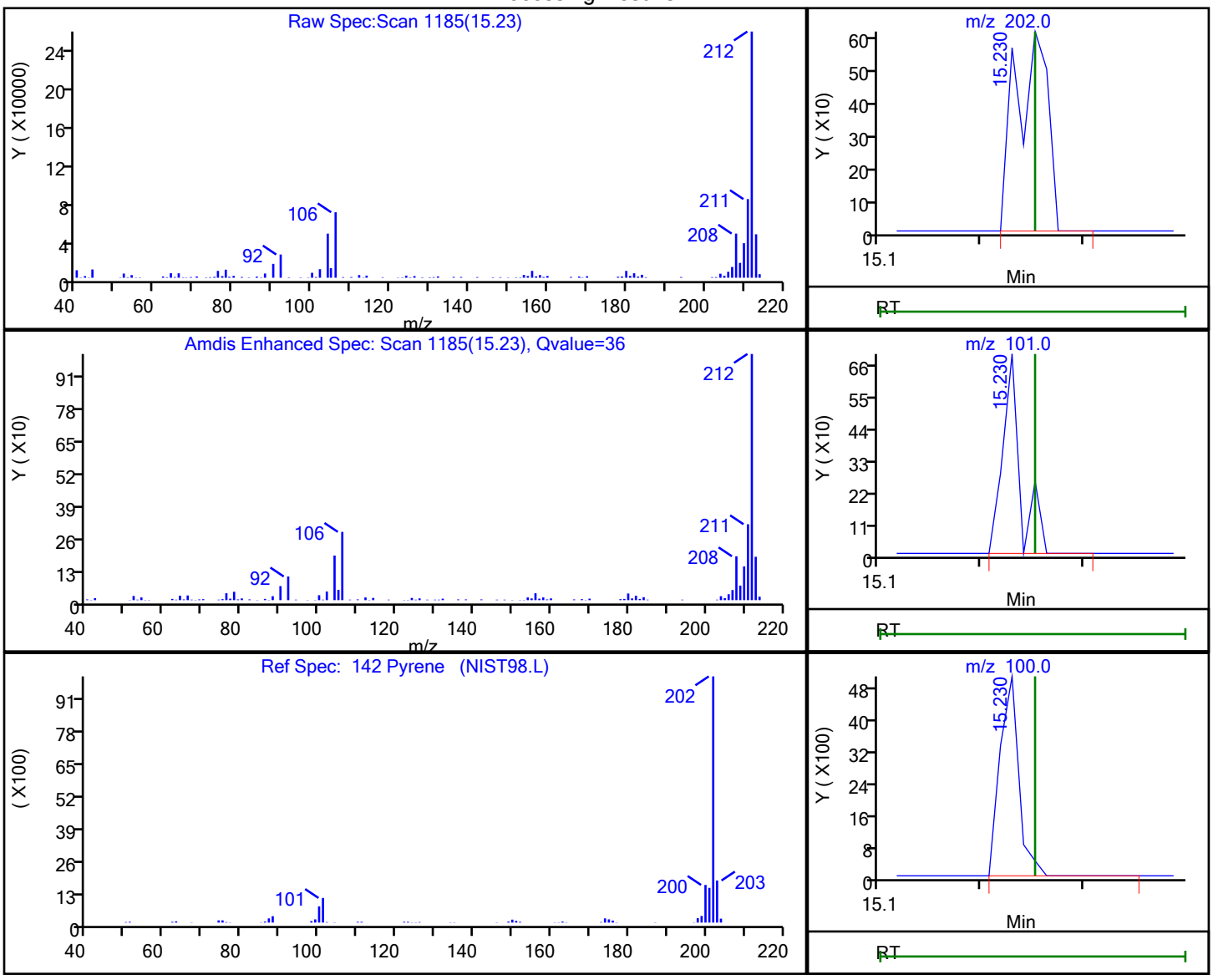
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0072.D				
Injection Date:	12-Jan-2021 14:25:30	Instrument ID:	HP23264		
Lims ID:	MB 410-83558/1-A				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

142 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
15.23	202.00	1326	0.015900
15.23	101.00	836	
15.23	100.00	6531	
15.23	203.00	689	

Reviewer: williamss, 12-Jan-2021 20:42:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-81865/2-A

Matrix: Water Lab File ID: JA0053.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/04/2021 17:21

Sample wt/vol: 250(mL) Date Analyzed: 01/06/2021 13:36

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	42.6		0.50	0.10
208-96-8	Acenaphthylene	49.0		0.50	0.10
120-12-7	Anthracene	44.0		0.50	0.10
56-55-3	Benzo[a]anthracene	48.1		0.50	0.10
50-32-8	Benzo[a]pyrene	40.0		0.50	0.10
205-99-2	Benzo[b]fluoranthene	42.3		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	40.1		0.50	0.10
207-08-9	Benzo[k]fluoranthene	47.5		0.50	0.10
218-01-9	Chrysene	47.8		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	39.4		0.50	0.10
206-44-0	Fluoranthene	45.4		0.50	0.10
86-73-7	Fluorene	44.7		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	35.1		0.50	0.10
91-20-3	Naphthalene	40.8		0.50	0.10
85-01-8	Phenanthrene	42.8		0.50	0.10
129-00-0	Pyrene	47.2		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	75		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	70		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	86		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0053.D
Lims ID: LCS 410-81865/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Jan-2021 13:36:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-81865/2-A
Misc. Info.: 410-0019332-004
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:44:55 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: luttek Date: 06-Jan-2021 17:12:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	149080	5.00	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	90	976540	25.0	17.4	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	576093	5.00	5.00	
57 Naphthalene	128	8.616	8.616	0.000	97	1292034	12.5	10.2	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1420893	25.1	18.7	
91 Acenaphthylene	152	11.146	11.146	0.000	99	1134162	12.5	12.3	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	96	235776	5.00	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	97	715691	12.5	10.7	
107 Fluorene	166	12.155	12.155	0.000	93	768765	12.5	11.2	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	96	388343	5.00	5.00	
130 Phenanthrene	178	13.312	13.312	0.000	98	1007167	12.5	10.7	
131 Anthracene	178	13.369	13.369	0.000	98	1026298	12.5	11.0	
139 Fluoranthene	202	14.923	14.923	0.000	99	1014236	12.5	11.3	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	314986	5.00	5.00	
142 Pyrene	202	15.252	15.252	0.000	95	1054068	12.5	11.8	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	1276106	25.1	21.6	
149 Benzo[a]anthracene	228	17.249	17.249	0.000	98	847277	12.5	12.0	
152 Chrysene	228	17.306	17.305	0.001	96	869126	12.5	12.0	
156 Benzo[b]fluoranthene	252	19.087	19.086	0.001	98	849977	12.5	10.6	
158 Benzo[k]fluoranthene	252	19.132	19.132	0.000	96	957721	12.5	11.9	
159 Benzo[a]pyrene	252	19.608	19.608	0.000	81	771039	12.5	10.0	M
* 160 Perylene-d12	264	19.699	19.699	0.000	95	324575	5.00	5.00	
164 Indeno[1,2,3-cd]pyrene	276	21.299	21.299	0.000	96	655954	12.5	8.77	
165 Dibenz(a,h)anthracene	278	21.344	21.344	0.000	96	764697	12.5	9.84	
166 Benzo[g,h,i]perylene	276	21.662	21.662	0.000	94	821900	12.5	10.0	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Jan-2021 21:45:03 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0053.D

Injection Date: 06-Jan-2021 13:36:30 Instrument ID: HP23264 Operator ID: knb25316

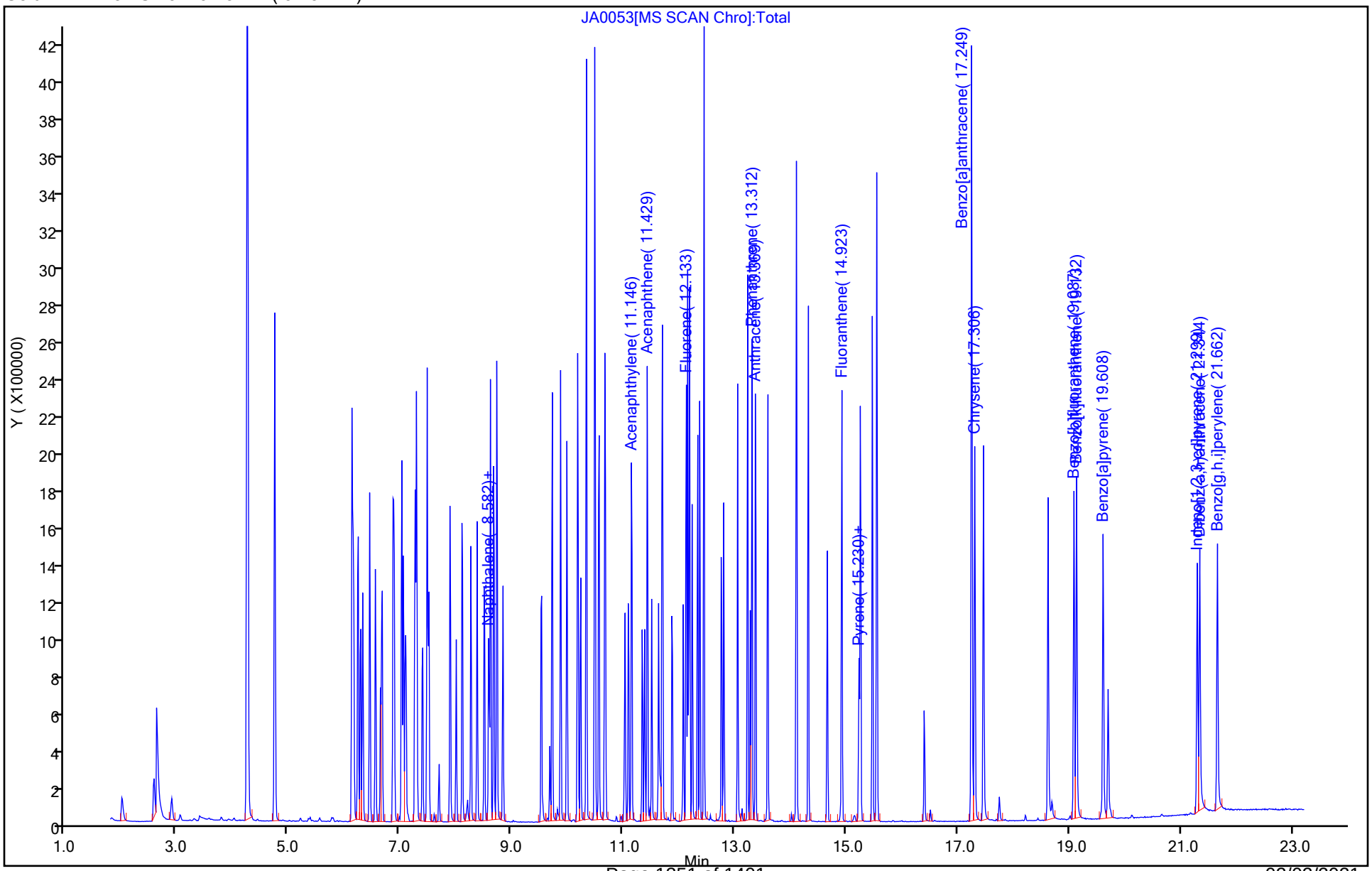
Lims ID: LCS 410-81865/2-A Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

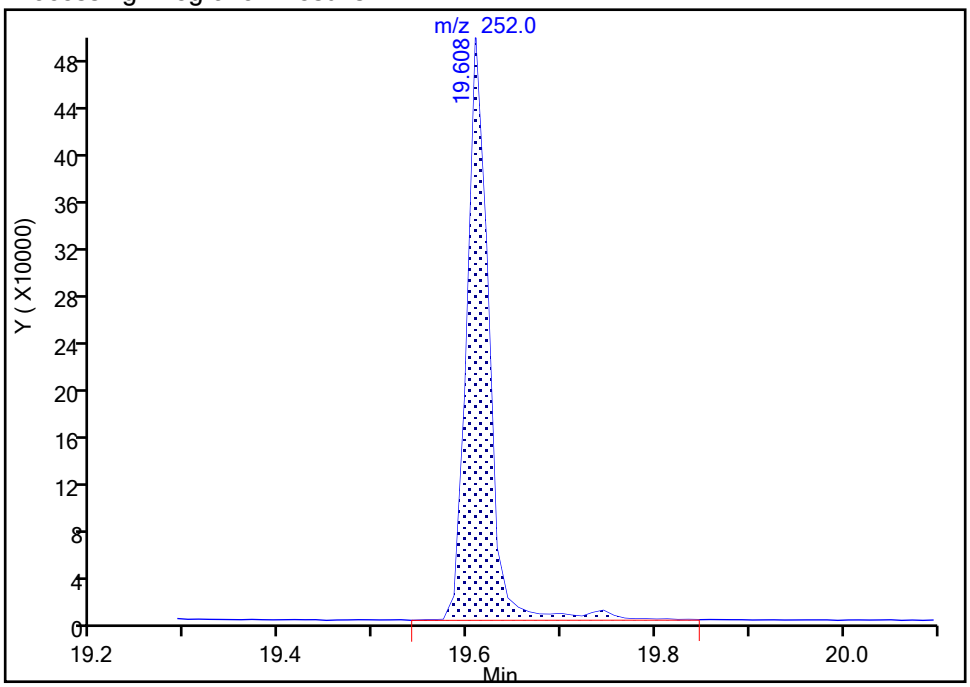
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0053.D				
Injection Date:	06-Jan-2021 13:36:30	Instrument ID:	HP23264		
Lims ID:	LCS 410-81865/2-A				
Client ID:					
Operator ID:	knb25316	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

159 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

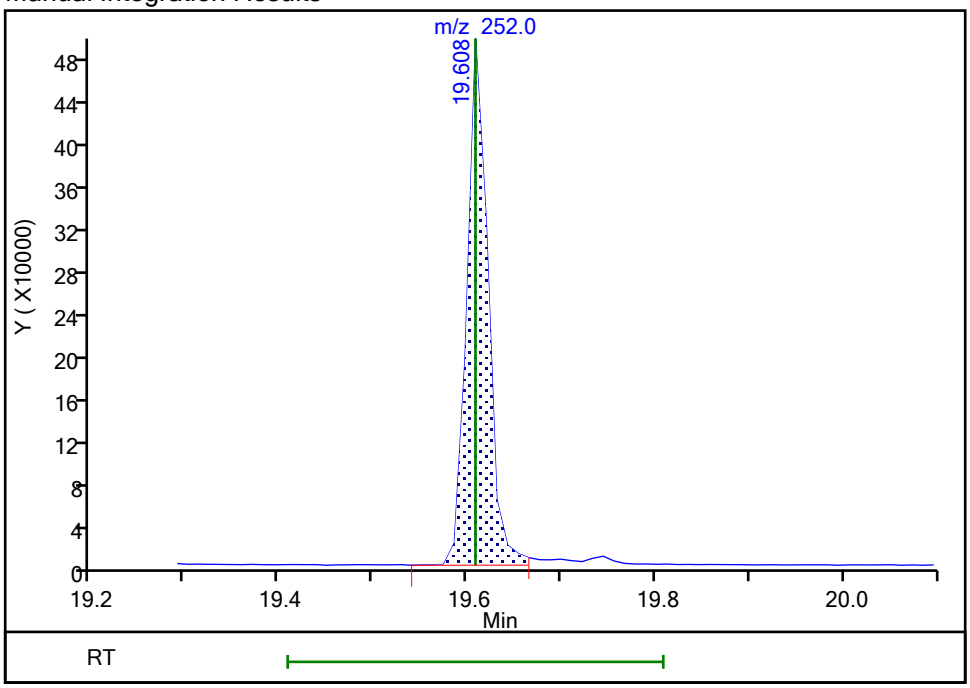
Processing Integration Results

RT: 19.61
Area: 806547
Amount: 10.462076
Amount Units: ug/ml



Manual Integration Results

RT: 19.61
Area: 771039
Amount: 10.001487
Amount Units: ug/ml



Reviewer: luttek, 06-Jan-2021 17:12:48
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-81991/2-A

Matrix: Water Lab File ID: HA0253.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/05/2021 09:15

Sample wt/vol: 250(mL) Date Analyzed: 01/07/2021 00:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82729 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	33.4		0.50	0.10
208-96-8	Acenaphthylene	39.3		0.50	0.10
120-12-7	Anthracene	37.6		0.50	0.10
56-55-3	Benzo[a]anthracene	40.0		0.50	0.10
50-32-8	Benzo[a]pyrene	36.8		0.50	0.10
205-99-2	Benzo[b]fluoranthene	37.3		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	40.9		0.50	0.10
207-08-9	Benzo[k]fluoranthene	41.2		0.50	0.10
218-01-9	Chrysene	40.9		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	40.2		0.50	0.10
206-44-0	Fluoranthene	38.0		0.50	0.10
86-73-7	Fluorene	36.7		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	38.4		0.50	0.10
91-20-3	Naphthalene	28.6		0.50	0.10
85-01-8	Phenanthrene	36.9		0.50	0.10
129-00-0	Pyrene	37.7		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	64		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	78		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0253.D
Lims ID: LCS 410-81991/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Jan-2021 00:24:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-81991/2-A
Misc. Info.: 410-0019389-004
Operator ID: sw30417 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Jan-2021 09:00:59 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: monbornee Date: 07-Jan-2021 08:23:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.021	1.986	0.035	96	93978	12.5	4.16	
$ 10 2-Fluorophenol	112	4.749	4.737	0.012	93	1239625	50.2	21.9	
15 Benzaldehyde	77	5.979	5.979	0.000	92	346647	12.5	7.50	
$ 16 Phenol-d5	99	6.130	6.125	0.005	98	1187039	50.2	17.8	
17 Phenol	94	6.148	6.142	0.006	93	347012	12.5	4.48	
19 Bis(2-chloroethyl)ether	93	6.264	6.264	0.000	95	470802	12.5	7.95	
20 2-Chlorophenol	128	6.311	6.305	0.006	95	498934	12.5	8.22	
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	94	217556	5.00	5.00	
30 2-Methylphenol	108	7.040	7.040	0.000	92	424803	12.5	8.02	
32 2,2'-oxybis[1-chloropropane]	45	7.075	7.069	0.006	92	734147	12.5	7.01	
34 Acetophenone	105	7.238	7.238	0.000	97	686751	12.5	8.19	
35 N-Nitrosodi-n-propylamine	70	7.261	7.267	-0.006	88	352268	12.5	8.49	
36 4-Methylphenol	108	7.279	7.279	0.000	96	425903	12.5	7.59	
40 Hexachloroethane	117	7.372	7.372	0.000	94	136823	12.5	4.98	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	968930	25.0	16.0	
42 Nitrobenzene	77	7.483	7.483	0.000	89	496348	12.5	8.04	
45 Isophorone	82	7.867	7.867	0.000	96	942094	12.5	8.96	
46 2-Nitrophenol	139	7.978	7.978	0.000	87	289280	12.5	9.03	
48 2,4-Dimethylphenol	107	8.089	8.089	0.000	93	508726	12.5	8.86	
51 Bis(2-chloroethoxy)methane	93	8.240	8.240	0.000	97	581442	12.5	8.21	
52 2,4-Dichlorophenol	162	8.357	8.357	0.000	92	462307	12.5	9.02	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	819457	5.00	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1286697	12.5	7.16	
57 4-Chloroaniline	127	8.701	8.701	0.000	96	401056	12.5	5.87	
60 Hexachlorobutadiene	225	8.817	8.817	0.000	96	180823	12.5	5.49	
63 Caprolactam	113	9.220	9.237	-0.017	78	46258	12.5	2.55	
66 4-Chloro-3-methylphenol	107	9.505	9.517	-0.012	95	432583	12.5	8.90	
68 2-Methylnaphthalene	142	9.692	9.692	0.000	92	886072	12.5	7.50	
71 Hexachlorocyclopentadiene	237	9.954	9.960	-0.006	95	61231	12.5	1.85	
72 1,2,4,5-Tetrachlorobenzene	216	9.960	9.960	0.000	97	370205	12.5	6.78	
74 2,4,6-Trichlorophenol	196	10.158	10.164	-0.006	92	348508	12.5	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
75 2,4,5-Trichlorophenol	196	10.210	10.216	-0.006	95	379374	12.5	9.85	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.309	-0.005	100	1995091	25.1	15.0	
78 1,1'-Biphenyl	154	10.455	10.455	0.000	95	1160730	12.5	7.62	
79 2-Chloronaphthalene	162	10.461	10.461	0.000	97	850319	12.5	7.54	
81 Phenyl ether	170	10.636	10.636	0.000	86	640146	12.5	8.18	
82 2-Nitroaniline	138	10.648	10.648	0.000	92	349547	12.5	9.67	
86 Dimethyl phthalate	163	10.986	10.986	0.000	99	533948	12.5	4.27	
88 2,6-Dinitrotoluene	165	11.061	11.061	0.000	94	272049	12.5	9.50	
89 Acenaphthylene	152	11.114	11.120	-0.006	98	1535484	12.5	9.83	
90 3-Nitroaniline	138	11.306	11.312	-0.006	91	251725	12.5	8.43	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	98	403232	5.00	5.00	
93 Acenaphthene	153	11.399	11.399	0.000	94	970918	12.5	8.35	
94 2,4-Dinitrophenol	184	11.481	11.481	0.000	88	293634	25.0	16.0	
95 4-Nitrophenol	109	11.615	11.621	-0.006	80	194226	25.0	10.8	
97 Dibenzofuran	168	11.662	11.662	0.000	97	1405880	12.5	8.80	
98 2,4-Dinitrotoluene	165	11.679	11.679	0.000	94	359222	12.5	9.37	
101 2,3,4,6-Tetrachlorophenol	232	11.848	11.854	-0.006	72	302470	12.5	10.4	
104 Diethyl phthalate	149	12.052	12.052	0.000	99	895674	12.5	7.15	
105 Fluorene	166	12.128	12.128	0.000	95	1157992	12.5	9.17	
108 4-Chlorophenyl phenyl ether	204	12.157	12.157	0.000	91	535219	12.5	8.79	
109 4-Nitroaniline	138	12.163	12.169	-0.006	87	274134	12.5	8.59	
110 4,6-Dinitro-2-methylphenol	198	12.215	12.215	0.000	86	393384	25.0	16.8	
111 N-Nitrosodiphenylamine	169	12.303	12.303	0.000	61	858690	10.6	8.18	
$ 113 2,4,6-Tribromophenol	330	12.419	12.419	0.000	93	794401	50.2	39.4	
118 4-Bromophenyl phenyl ether	248	12.734	12.734	0.000	63	323787	12.5	9.09	
120 Hexachlorobenzene	284	12.781	12.781	0.000	95	375088	12.5	9.16	
122 Atrazine	200	12.962	12.967	-0.005	94	346454	12.5	9.59	
123 Pentachlorophenol	266	13.026	13.031	-0.005	93	459638	25.0	16.8	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	785476	5.00	5.00	
129 Phenanthrene	178	13.276	13.282	-0.006	97	1686412	12.5	9.23	
130 Anthracene	178	13.340	13.346	-0.006	97	1726283	12.5	9.39	
131 Carbazole	167	13.562	13.562	0.000	95	1619229	12.5	9.33	
133 Di-n-butyl phthalate	149	14.069	14.069	0.000	100	1835092	12.5	8.11	
138 Fluoranthene	202	14.879	14.879	0.000	97	2003748	12.5	9.49	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	784388	5.00	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	2046330	12.5	9.43	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	3059020	25.1	19.5	
146 Butyl benzyl phthalate	149	16.342	16.342	0.000	96	550435	12.5	5.60	
148 Benzo[a]anthracene	228	17.181	17.187	-0.006	99	1848415	12.5	10.0	
149 3,3'-Dichlorobenzidine	252	17.187	17.187	0.000	73	1156868	25.0	15.1	
151 Chrysene	228	17.246	17.246	0.000	97	1908034	12.5	10.2	
152 Bis(2-ethylhexyl) phthalate	149	17.403	17.403	0.000	96	1287482	12.5	9.15	
154 Di-n-octyl phthalate	149	18.551	18.551	0.000	99	2179426	12.5	8.73	
155 Benzo[b]fluoranthene	252	19.018	19.017	0.001	97	1913602	12.5	9.34	
157 Benzo[k]fluoranthene	252	19.064	19.064	0.000	99	2030750	12.5	10.3	
158 Benzo[a]pyrene	252	19.536	19.536	0.000	77	1725893	12.5	9.19	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	825357	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276	21.221	21.221	0.000	99	1752633	12.5	9.61	M
164 Dibenz(a,h)anthracene	278	21.262	21.261	0.001	92	1907793	12.5	10.0	
165 Benzo[g,h,i]perylene	276	21.576	21.582	-0.006	98	1973979	12.5	10.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_IS_00018	Amount Added:	20.00	Units: uL	Run Reagent

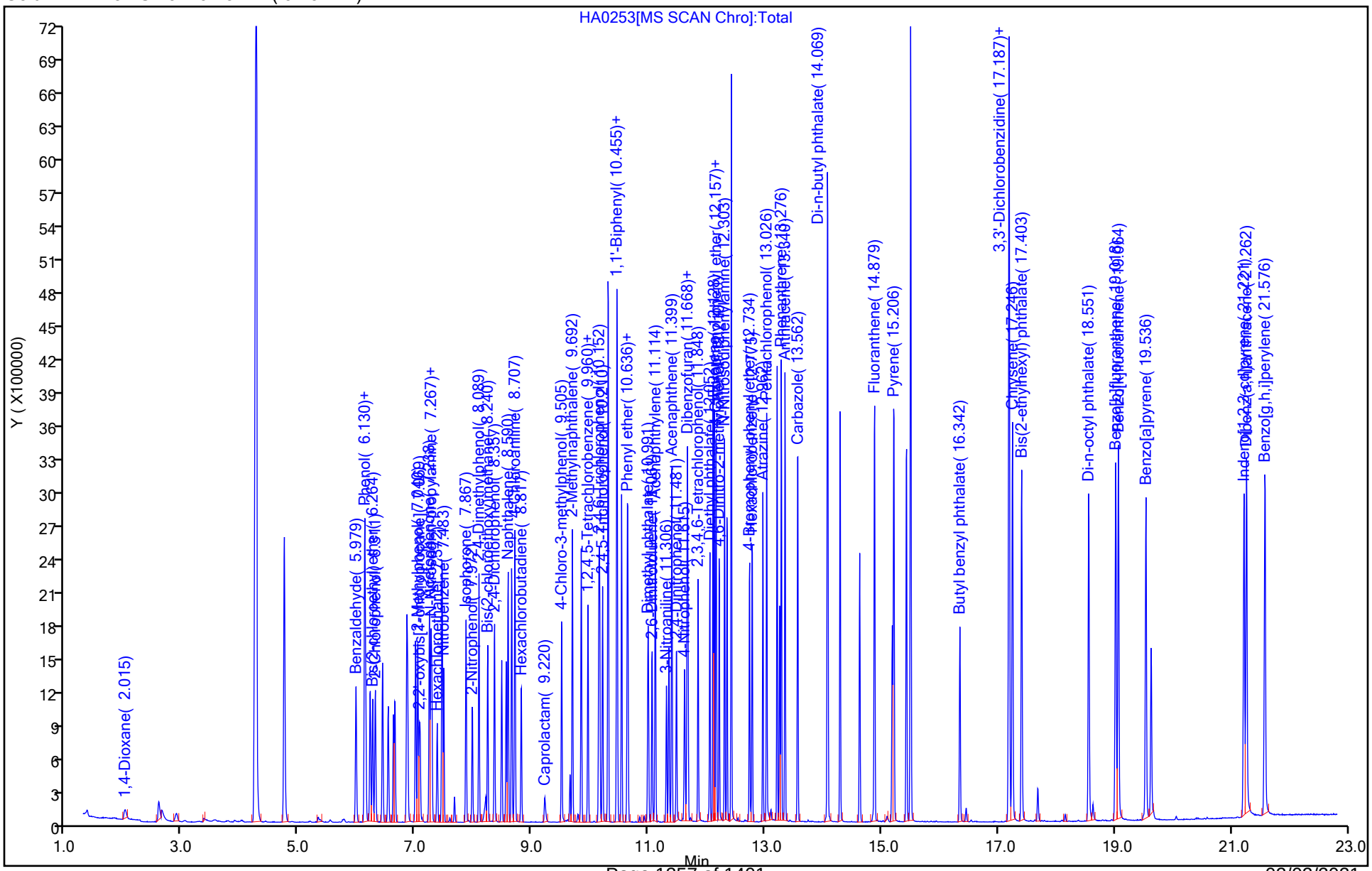
Report Date: 07-Jan-2021 09:01:11 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210106-19389.b\HA0253.D

Injection Date:	07-Jan-2021 00:24:30	Instrument ID:	HP18831	Operator ID:	sw30417
Lims ID:	LCS 410-81991/2-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

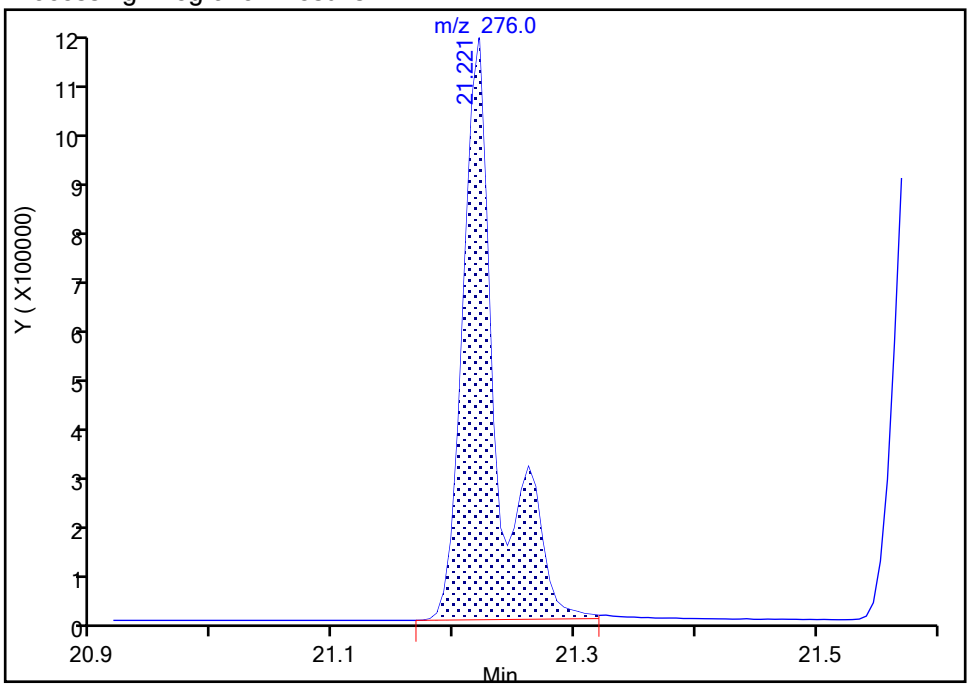
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Injection Date:	07-Jan-2021 00:24:30	Instrument ID:	HP18831		
Lims ID:	LCS 410-81991/2-A				
Client ID:					
Operator ID:	sw30417	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

163 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

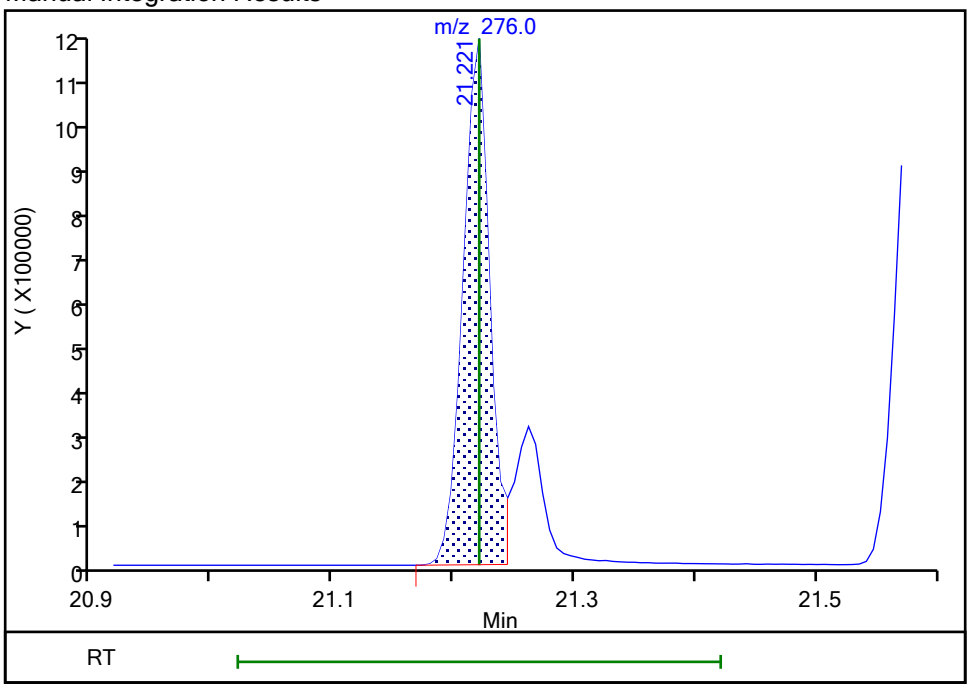
Processing Integration Results

RT: 21.22
Area: 2248677
Amount: 12.330676
Amount Units: ug/ml



Manual Integration Results

RT: 21.22
Area: 1752633
Amount: 9.610607
Amount Units: ug/ml



Reviewer: monbornee, 07-Jan-2021 08:23:49

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-82383/2-A

Matrix: Water Lab File ID: HA0304.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/06/2021 09:50

Sample wt/vol: 250(mL) Date Analyzed: 01/07/2021 10:43

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82839 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	34.3		0.50	0.10
208-96-8	Acenaphthylene	41.0		0.50	0.10
120-12-7	Anthracene	40.5		0.50	0.10
56-55-3	Benzo[a]anthracene	41.4		0.50	0.10
50-32-8	Benzo[a]pyrene	36.3		0.50	0.10
205-99-2	Benzo[b]fluoranthene	37.7		0.50	0.10
191-24-2	Benzo[g,h,i]perylene	37.9		0.50	0.10
207-08-9	Benzo[k]fluoranthene	41.1		0.50	0.10
218-01-9	Chrysene	41.9		0.50	0.10
53-70-3	Dibenz(a,h)anthracene	38.2		0.50	0.10
206-44-0	Fluoranthene	40.8		0.50	0.10
86-73-7	Fluorene	39.1		0.50	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	36.8		0.50	0.10
91-20-3	Naphthalene	30.6		0.50	0.10
85-01-8	Phenanthrene	40.5		0.50	0.10
129-00-0	Pyrene	40.5		0.50	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	62		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	67		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	77		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0304.D
Lims ID: LCS 410-82383/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Jan-2021 10:43:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-82383/2-A
Misc. Info.: 410-0019409-005
Operator ID: em10340 Instrument ID: HP18831

Method: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\MSSemi_HP18831.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Jan-2021 02:44:27 Calib Date: 28-Dec-2020 10:25:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP18831\20201228-18736.b\HL1502.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: williamss Date: 08-Jan-2021 02:25:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	4.737	4.737	0.000	93	1092994	50.2	20.3	
$ 16 Phenol-d5	99	6.125	6.125	0.000	98	952643	50.2	15.0	
17 Phenol	94	6.142	6.142	0.000	90	320045	12.5	4.33	
20 2-Chlorophenol	128	6.305	6.305	0.000	94	483778	12.5	8.36	
* 23 1,4-Dichlorobenzene-d4	152	6.620	6.620	0.000	94	207358	5.00	5.00	
24 1,4-Dichlorobenzene	146	6.649	6.643	0.006	95	401150	12.5	6.07	
27 1,2-Dichlorobenzene	146	6.865	6.865	0.000	98	407836	12.5	6.51	
30 2-Methylphenol	108	7.040	7.040	0.000	92	403830	12.5	8.00	
32 2,2'-oxybis[1-chloropropane]	45	7.075	7.069	0.006	94	752562	12.5	7.54	
35 N-Nitrosodi-n-propylamine	70	7.261	7.261	0.000	88	362526	12.5	9.16	
36 4-Methylphenol	108	7.279	7.279	0.000	97	400837	12.5	7.50	
40 Hexachloroethane	117	7.372	7.372	0.000	94	132054	12.5	5.04	
$ 41 Nitrobenzene-d5	82	7.454	7.459	-0.005	90	966884	25.0	16.7	
42 Nitrobenzene	77	7.483	7.483	0.000	88	510533	12.5	8.67	
45 Isophorone	82	7.867	7.867	0.000	96	985439	12.5	9.83	
46 2-Nitrophenol	139	7.978	7.978	0.000	87	286220	12.5	9.37	
48 2,4-Dimethylphenol	107	8.089	8.089	0.000	93	511027	12.5	9.33	
51 Bis(2-chloroethoxy)methane	93	8.240	8.241	0.000	99	596769	12.5	8.83	
52 2,4-Dichlorophenol	162	8.357	8.357	0.000	92	452099	12.5	9.25	
* 54 Naphthalene-d8	136	8.555	8.555	0.000	99	781645	5.00	5.00	
55 Naphthalene	128	8.590	8.590	0.000	97	1312739	12.5	7.65	
57 4-Chloroaniline	127	8.701	8.701	0.000	96	639311	12.5	9.80	
60 Hexachlorobutadiene	225	8.817	8.818	0.000	96	163833	12.5	5.21	
66 4-Chloro-3-methylphenol	107	9.505	9.517	-0.012	95	427521	12.5	9.22	
68 2-Methylnaphthalene	142	9.692	9.698	-0.006	92	870660	12.5	7.73	
71 Hexachlorocyclopentadiene	237	9.954	9.960	-0.006	94	37192	12.5	1.17	
74 2,4,6-Trichlorophenol	196	10.158	10.164	-0.006	92	342475	12.5	9.85	
75 2,4,5-Trichlorophenol	196	10.210	10.216	-0.006	95	365489	12.5	9.84	
$ 76 2-Fluorobiphenyl (Surr)	172	10.304	10.310	-0.006	100	1990248	25.1	15.5	
79 2-Chloronaphthalene	162	10.461	10.461	0.000	97	828262	12.5	7.61	
82 2-Nitroaniline	138	10.648	10.648	0.000	90	371856	12.5	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Dimethyl phthalate	163	10.986	10.986	0.000	98	843219	12.5	7.00	
88 2,6-Dinitrotoluene	165	11.061	11.062	0.000	94	291933	12.5	10.6	
89 Acenaphthylene	152	11.114	11.114	0.000	98	1545901	12.5	10.3	
90 3-Nitroaniline	138	11.306	11.312	-0.006	92	308401	12.5	10.7	
* 91 Acenaphthene-d10	164	11.347	11.347	0.000	97	388836	5.00	5.00	
93 Acenaphthene	153	11.399	11.399	-0.001	94	962921	12.5	8.58	
94 2,4-Dinitrophenol	184	11.475	11.481	-0.006	87	128023	25.0	7.22	
95 4-Nitrophenol	109	11.615	11.621	-0.006	80	149474	25.0	8.61	
97 Dibenzofuran	168	11.662	11.662	0.000	97	1415235	12.5	9.19	
98 2,4-Dinitrotoluene	165	11.679	11.679	0.000	93	383025	12.5	10.4	
104 Diethyl phthalate	149	12.052	12.052	0.000	99	1055675	12.5	8.74	
105 Fluorene	166	12.128	12.128	0.000	95	1190170	12.5	9.77	
108 4-Chlorophenyl phenyl ether	204	12.157	12.157	0.000	91	519604	12.5	8.85	
109 4-Nitroaniline	138	12.163	12.169	-0.006	88	303265	12.5	9.85	
110 4,6-Dinitro-2-methylphenol	198	12.215	12.210	-0.001	87	354629	25.0	15.7	
111 N-Nitrosodiphenylamine	169	12.303	12.298	0.000	62	898443	10.6	8.86	
$ 113 2,4,6-Tribromophenol	330	12.419	12.420	-0.001	93	771953	50.2	39.7	
118 4-Bromophenyl phenyl ether	248	12.734	12.729	0.000	62	331143	12.5	9.62	
123 Pentachlorophenol	266	13.026	13.026	-0.006	93	314299	25.0	11.9	
* 127 Phenanthrene-d10	188	13.247	13.253	-0.006	97	759164	5.00	5.00	
129 Phenanthrene	178	13.276	13.271	0.000	97	1789878	12.5	10.1	
130 Anthracene	178	13.340	13.340	-0.006	97	1798903	12.5	10.1	
131 Carbazole	167	13.562	13.556	0.000	95	1735402	12.5	10.3	
133 Di-n-butyl phthalate	149	14.069	14.063	0.000	100	1988054	12.5	9.10	
138 Fluoranthene	202	14.879	14.873	0.000	97	2079611	12.5	10.2	
* 140 Pyrene-d10 (IS)	212	15.182	15.182	0.000	99	766934	5.00	5.00	
141 Pyrene	202	15.211	15.211	0.000	98	2147212	12.5	10.1	
$ 142 p-Terphenyl-d14	244	15.497	15.497	0.000	98	2967123	25.1	19.3	
146 Butyl benzyl phthalate	149	16.342	16.336	0.000	96	748928	12.5	7.80	
148 Benzo[a]anthracene	228	17.181	17.175	-0.001	99	1869900	12.5	10.4	
149 3,3'-Dichlorobenzidine	252	17.187	17.181	0.000	74	1509654	25.0	20.2	
151 Chrysene	228	17.246	17.239	0.000	97	1910261	12.5	10.5	
152 Bis(2-ethylhexyl) phthalate	149	17.403	17.396	0.000	96	1274146	12.5	9.26	
154 Di-n-octyl phthalate	149	18.551	18.551	0.000	99	2204388	12.5	8.93	
155 Benzo[b]fluoranthene	252	19.018	19.017	0.000	97	1912405	12.5	9.43	
157 Benzo[k]fluoranthene	252	19.064	19.064	0.000	99	2004232	12.5	10.3	
158 Benzo[a]pyrene	252	19.536	19.536	0.000	77	1684597	12.5	9.07	
* 159 Perylene-d12	264	19.624	19.624	0.000	98	816318	5.00	5.00	
163 Indeno[1,2,3-cd]pyrene	276	21.221	21.221	0.000	99	1658456	12.5	9.19	
164 Dibenz(a,h)anthracene	278	21.262	21.261	0.000	93	1795969	12.5	9.56	
165 Benzo[g,h,i]perylene	276	21.576	21.576	0.000	98	1809305	12.5	9.47	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00018 Amount Added: 20.00 Units: uL Run Reagent

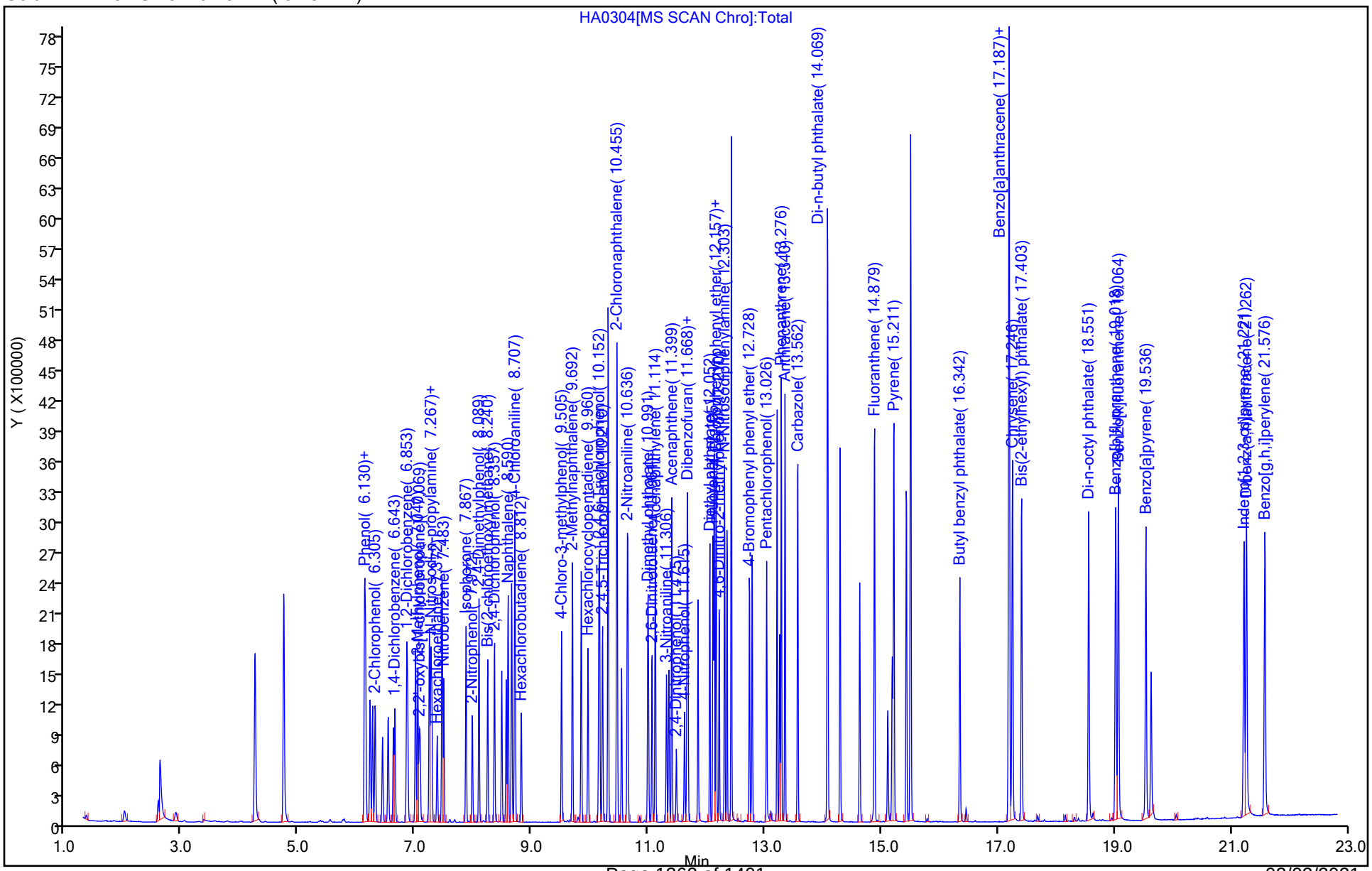
Report Date: 08-Jan-2021 02:44:37 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP18831\20210107-19409.b\HA0304.D

Injection Date:	07-Jan-2021 10:43:30	Instrument ID:	HP18831	Operator ID:	em10340
Lims ID:	LCS 410-82383/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP18831	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-83558/2-A

Matrix: Water Lab File ID: JA0073.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/11/2021 10:30

Sample wt/vol: 250(mL) Date Analyzed: 01/12/2021 14:54

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 84066 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	*Acenaphthene*	*40.7*		*0.50*	*0.10*
208-96-8	*Acenaphthylene*	*48.0*		*0.50*	*0.10*
120-12-7	*Anthracene*	*41.2*		*0.50*	*0.10*
56-55-3	*Benzo[a]anthracene*	*43.8*		*0.50*	*0.10*
50-32-8	*Benzo[a]pyrene*	*40.3*		*0.50*	*0.10*
205-99-2	*Benzo[b]fluoranthene*	*41.4*		*0.50*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*43.1*		*0.50*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*46.2*		*0.50*	*0.10*
218-01-9	*Chrysene*	*44.5*		*0.50*	*0.10*
53-70-3	*Dibenz(a,h)anthracene*	*42.0*		*0.50*	*0.10*
206-44-0	*Fluoranthene*	*42.6*		*0.50*	*0.10*
86-73-7	*Fluorene*	*42.8*		*0.50*	*0.10*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*37.7*		*0.50*	*0.10*
91-20-3	*Naphthalene*	*37.3*		*0.50*	*0.10*
85-01-8	*Phenanthrene*	*41.0*		*0.50*	*0.10*
129-00-0	*Pyrene*	*44.4*		*0.50*	*0.10*

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	66		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	81		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0073.D
Lims ID: LCS 410-83558/2-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Jan-2021 14:54:30 ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-83558/2-A
Misc. Info.: 410-0019719-007
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Jan-2021 20:54:13 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: williamss Date: 12-Jan-2021 20:44:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 N-Nitrosodimethylamine	74	2.604	2.570	0.035	94	208293	12.5	6.31	
$ 12 2-Fluorophenol	112	4.759	4.759	0.000	93	1075337	50.2	25.0	
19 Benzaldehyde	77	5.995	5.995	0.000	96	365502	12.5	8.96	
$ 20 Phenol-d5	99	6.132	6.143	-0.011	96	1011541	50.2	18.2	
21 Phenol	94	6.154	6.154	0.000	97	343002	12.5	5.24	
24 Bis(2-chloroethyl)ether	93	6.290	6.290	0.000	94	467468	12.5	9.26	
25 2-Chlorophenol	128	6.324	6.324	0.000	97	435918	12.5	10.4	
26 1,3-Dichlorobenzene	146	6.551	6.551	0.000	96	315872	12.5	7.04	
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	98	140173	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.676	6.676	0.000	92	330367	12.5	7.30	
31 1,2-Dichlorobenzene	146	6.892	6.892	0.000	96	335061	12.5	7.75	
33 2-Methylphenol	108	7.050	7.062	-0.012	96	373286	12.5	9.33	
35 2,2'-oxybis[1-chloropropane]	45	7.096	7.096	0.000	94	786235	12.5	9.25	
38 Acetophenone	105	7.266	7.266	0.000	96	623662	12.5	9.78	
39 N-Nitrosodi-n-propylamine	70	7.289	7.289	0.000	90	340607	12.5	9.35	
37 4-Methylphenol	108	7.300	7.300	0.000	94	368221	12.5	8.24	
42 Hexachloroethane	117	7.402	7.402	0.000	93	125352	12.5	5.87	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	89	882093	25.0	16.6	
44 Nitrobenzene	77	7.516	7.516	0.000	88	485552	12.5	8.70	
47 Isophorone	82	7.890	7.890	0.000	99	929817	12.5	10.5	
48 2-Nitrophenol	139	8.003	8.003	0.000	95	184611	12.5	9.35	
49 2,4-Dimethylphenol	107	8.105	8.117	-0.012	96	438809	12.5	10.3	
52 Bis(2-chloroethoxy)methane	93	8.264	8.230	0.034	95	555396	12.5	9.56	
54 2,4-Dichlorophenol	162	8.378	8.378	0.000	97	308756	12.5	10.1	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	547605	5.00	5.00	
57 Naphthalene	128	8.616	8.616	0.000	97	1122589	12.5	9.31	
58 4-Chloroaniline	127	8.729	8.729	0.000	94	419067	12.5	9.19	
62 Hexachlorobutadiene	225	8.843	8.843	0.000	95	91463	12.5	4.77	
64 Caprolactam	113	9.251	9.274	-0.023	77	28717	12.5	2.61	
67 4-Chloro-3-methylphenol	107	9.535	9.535	0.000	97	346463	12.5	10.3	
69 2-Methylnaphthalene	142	9.728	9.728	0.000	92	704460	12.5	9.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
71 Hexachlorocyclopentadiene	237	9.989	9.989	0.000	94	42860	12.5	2.50	
74 2,4,6-Trichlorophenol	196	10.193	10.193	0.000	94	177350	12.5	9.78	
76 2,4,5-Trichlorophenol	196	10.238	10.238	0.000	91	200800	12.5	10.4	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	100	1094875	25.1	15.8	
80 1,1'-Biphenyl	154	10.488	10.488	0.000	97	767714	12.5	9.25	
81 2-Chloronaphthalene	162	10.499	10.499	0.000	97	572840	12.5	9.03	
84 2-Nitroaniline	138	10.681	10.681	0.000	81	235588	12.5	11.8	
87 Dimethyl phthalate	163	11.021	11.021	0.000	96	368752	12.5	5.90	
90 2,6-Dinitrotoluene	165	11.100	11.100	0.000	93	157448	12.5	11.3	
91 Acenaphthylene	152	11.146	11.146	0.000	99	1014181	12.5	12.0	
92 3-Nitroaniline	138	11.339	11.350	-0.012	91	180970	12.5	11.3	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	96	215204	5.00	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	97	623682	12.5	10.2	
95 2,4-Dinitrophenol	184	11.509	11.520	-0.011	76	136643	25.0	19.0	
97 4-Nitrophenol	109	11.633	11.645	-0.012	95	137946	25.0	11.5	
101 Dibenzofuran	168	11.702	11.702	0.000	96	827055	12.5	10.4	
100 2,4-Dinitrotoluene	165	11.713	11.713	0.000	89	200036	12.5	11.1	
105 Diethyl phthalate	149	12.076	12.076	0.000	96	579735	12.5	9.19	
107 Fluorene	166	12.155	12.155	0.000	94	671771	12.5	10.7	
109 4-Chlorophenyl phenyl ether	204	12.189	12.189	0.000	97	250069	12.5	8.86	
108 4-Nitroaniline	138	12.189	12.201	-0.012	82	181150	12.5	10.9	
111 4,6-Dinitro-2-methylphenol	198	12.235	12.246	-0.011	59	172044	25.0	19.5	
112 N-Nitrosodiphenylamine	169	12.337	12.337	0.000	62	454812	10.6	9.59	
113 1,2-Diphenylhydrazine	77	12.371	12.371	0.000	42	904800	12.5	10.3	
$ 114 2,4,6-Tribromophenol	330	12.450	12.450	0.000	92	419849	50.2	43.5	
119 4-Bromophenyl phenyl ether	248	12.768	12.768	0.000	78	150631	12.5	9.31	
121 Hexachlorobenzene	284	12.802	12.802	0.000	90	185142	12.5	9.48	
123 Atrazine	200	12.995	12.995	0.000	91	146262	12.5	10.4	
124 Pentachlorophenol	266	13.051	13.063	-0.012	87	200261	25.0	19.6	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	96	353890	5.00	5.00	
130 Phenanthrene	178	13.312	13.312	0.000	98	879026	12.5	10.2	
131 Anthracene	178	13.369	13.381	-0.011	98	875727	12.5	10.3	
132 Carbazole	167	13.596	13.596	0.000	96	893171	12.5	12.1	
134 Di-n-butyl phthalate	149	14.106	14.106	0.000	99	1068644	12.5	10.8	
139 Fluoranthene	202	14.923	14.923	0.000	99	868814	12.5	10.7	
140 Benzidine	184	15.161	15.161	0.000	99	206513	25.0	3.98	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	97	285425	5.00	5.00	
142 Pyrene	202	15.252	15.252	0.000	95	897214	12.5	11.1	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	1084400	25.1	20.3	
147 Butyl benzyl phthalate	149	16.398	16.398	0.000	96	333090	12.5	8.74	
149 Benzo[a]anthracene	228	17.249	17.287	0.000	98	698914	12.5	10.9	
150 3,3'-Dichlorobenzidine	252	17.249	17.287	0.000	77	441913	25.0	17.5	
152 Chrysene	228	17.306	17.344	0.001	96	732747	12.5	11.1	
153 Bis(2-ethylhexyl) phthalate	149	17.464	17.464	0.000	97	629338	12.5	12.1	
155 Di-n-octyl phthalate	149	18.621	18.621	0.000	99	996776	12.5	11.4	
156 Benzo[b]fluoranthene	252	19.087	19.087	0.001	98	712239	12.5	10.4	
158 Benzo[k]fluoranthene	252	19.132	19.132	0.000	97	798046	12.5	11.6	
159 Benzo[a]pyrene	252	19.608	19.608	0.000	83	664586	12.5	10.1	
* 160 Perylene-d12	264	19.699	19.699	0.000	94	277613	5.00	5.00	
164 Indeno[1,2,3-cd]pyrene	276	21.299	21.299	0.000	97	603406	12.5	9.44	
165 Dibenz(a,h)anthracene	278	21.344	21.344	0.000	95	697586	12.5	10.5	
166 Benzo[g,h,i]perylene	276	21.662	21.662	0.000	94	756215	12.5	10.8	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00015	Amount Added: 20.00	Units: uL	Run Reagent

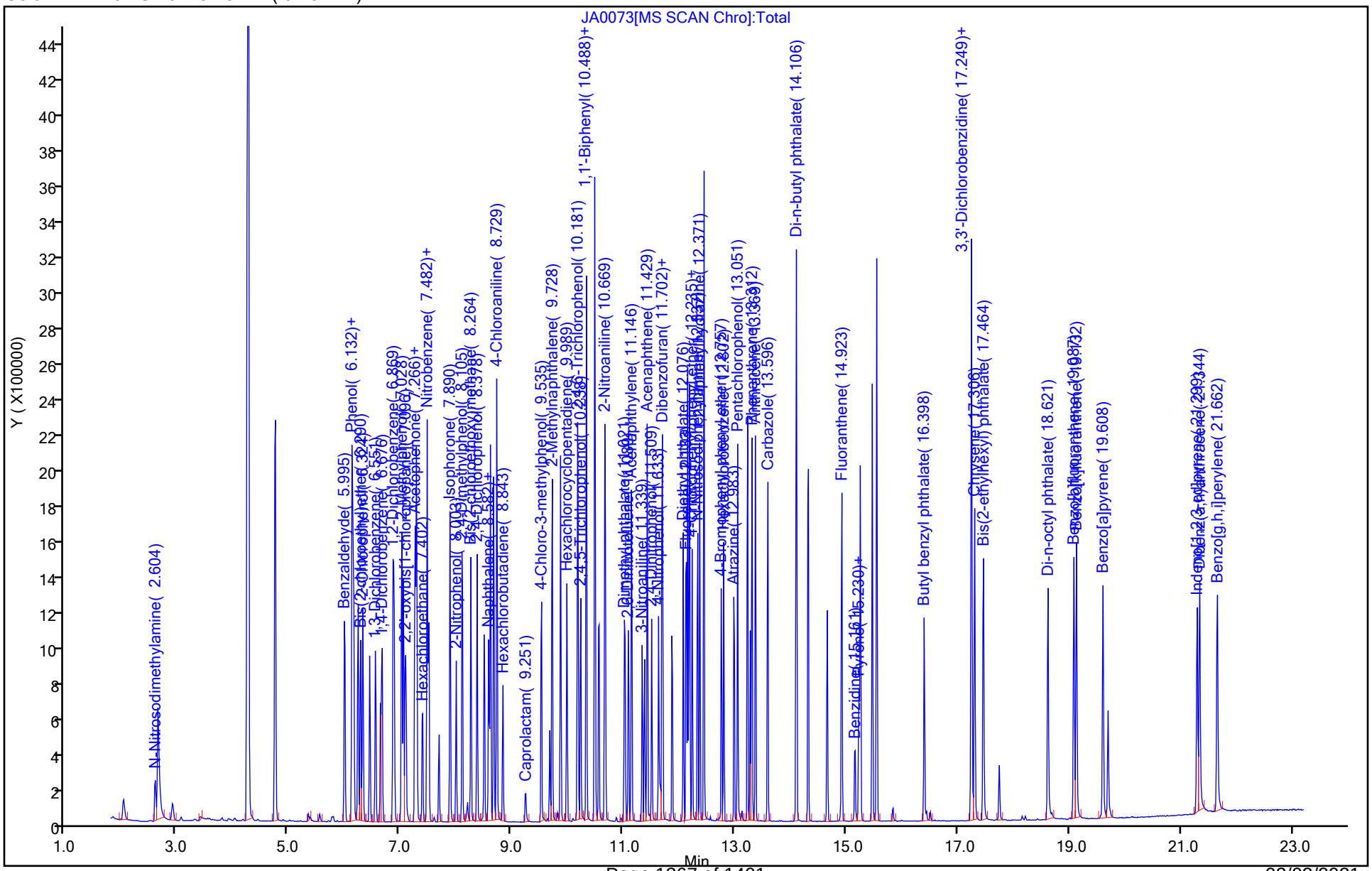
Report Date: 12-Jan-2021 20:55:09 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0073.D

Injection Date:	12-Jan-2021 14:54:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	LCS 410-83558/2-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-83558/3-A

Matrix: Water Lab File ID: JA0074.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 01/11/2021 10:30

Sample wt/vol: 250(mL) Date Analyzed: 01/12/2021 15:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 84066 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	*Acenaphthene*	*44.6*		*0.50*	*0.10*
208-96-8	*Acenaphthylene*	*52.5*		*0.50*	*0.10*
120-12-7	*Anthracene*	*45.8*		*0.50*	*0.10*
56-55-3	*Benzo[a]anthracene*	*48.8*		*0.50*	*0.10*
50-32-8	*Benzo[a]pyrene*	*43.5*		*0.50*	*0.10*
205-99-2	*Benzo[b]fluoranthene*	*43.9*		*0.50*	*0.10*
191-24-2	*Benzo[g,h,i]perylene*	*45.9*		*0.50*	*0.10*
207-08-9	*Benzo[k]fluoranthene*	*48.2*		*0.50*	*0.10*
218-01-9	*Chrysene*	*49.9*		*0.50*	*0.10*
53-70-3	*Dibenz(a,h)anthracene*	*45.7*		*0.50*	*0.10*
206-44-0	*Fluoranthene*	*48.2*		*0.50*	*0.10*
86-73-7	*Fluorene*	*46.3*		*0.50*	*0.10*
193-39-5	*Indeno[1,2,3-cd]pyrene*	*41.0*		*0.50*	*0.10*
91-20-3	*Naphthalene*	*40.5*		*0.50*	*0.10*
85-01-8	*Phenanthrene*	*45.3*		*0.50*	*0.10*
129-00-0	*Pyrene*	*47.7*		*0.50*	*0.10*

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	75		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	89		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0074.D
Lims ID: LCSD 410-83558/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 12-Jan-2021 15:24:30 ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-83558/3-A
Misc. Info.: 410-0019719-008
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 12-Jan-2021 20:54:13 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: williamss Date: 12-Jan-2021 20:44:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 N-Nitrosodimethylamine	74	2.604	2.570	0.035	94	215994	12.5	6.47	
$ 12 2-Fluorophenol	112	4.759	4.759	0.000	93	1143768	50.2	26.3	
19 Benzaldehyde	77	5.996	5.995	0.001	96	404741	12.5	9.80	
$ 20 Phenol-d5	99	6.132	6.143	-0.011	96	1066128	50.2	19.0	
21 Phenol	94	6.154	6.154	0.000	97	351033	12.5	5.30	
24 Bis(2-chloroethyl)ether	93	6.290	6.290	0.000	94	518541	12.5	10.2	
25 2-Chlorophenol	128	6.325	6.324	0.001	97	458275	12.5	10.8	
26 1,3-Dichlorobenzene	146	6.551	6.551	0.000	96	343394	12.5	7.57	
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	141792	5.00	5.00	
29 1,4-Dichlorobenzene	146	6.676	6.676	0.000	92	355542	12.5	7.76	
31 1,2-Dichlorobenzene	146	6.892	6.892	0.000	96	357182	12.5	8.17	
33 2-Methylphenol	108	7.051	7.062	-0.011	93	389556	12.5	9.62	
35 2,2'-oxybis[1-chloropropane]	45	7.096	7.096	0.000	93	861077	12.5	10.0	
38 Acetophenone	105	7.266	7.266	0.000	96	677939	12.5	10.5	
39 N-Nitrosodi-n-propylamine	70	7.289	7.289	0.000	90	377183	12.5	10.2	
37 4-Methylphenol	108	7.300	7.300	0.000	95	372239	12.5	8.23	
42 Hexachloroethane	117	7.402	7.402	0.000	92	141007	12.5	6.53	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	91	991031	25.0	18.7	
44 Nitrobenzene	77	7.516	7.516	0.000	88	531973	12.5	9.59	
47 Isophorone	82	7.890	7.890	0.000	99	968414	12.5	11.0	
48 2-Nitrophenol	139	8.003	8.003	0.000	95	196196	12.5	10.0	
49 2,4-Dimethylphenol	107	8.106	8.117	-0.011	97	458783	12.5	10.8	
52 Bis(2-chloroethoxy)methane	93	8.264	8.230	0.034	95	603148	12.5	10.4	
54 2,4-Dichlorophenol	162	8.378	8.378	0.000	97	310352	12.5	10.2	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	544518	5.00	5.00	
57 Naphthalene	128	8.616	8.616	0.000	97	1213439	12.5	10.1	
58 4-Chloroaniline	127	8.729	8.729	0.000	91	496521	12.5	10.9	
62 Hexachlorobutadiene	225	8.843	8.843	0.000	96	99518	12.5	5.21	
64 Caprolactam	113	9.251	9.274	-0.023	77	28641	12.5	2.62	
67 4-Chloro-3-methylphenol	107	9.535	9.535	0.000	97	366195	12.5	11.0	
69 2-Methylnaphthalene	142	9.728	9.728	0.000	92	740265	12.5	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
71 Hexachlorocyclopentadiene	237	9.989	9.989	0.000	94	48586	12.5	2.94	
74 2,4,6-Trichlorophenol	196	10.193	10.193	0.000	94	181093	12.5	10.4	
76 2,4,5-Trichlorophenol	196	10.238	10.238	0.000	91	203303	12.5	11.0	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	100	1211113	25.1	18.1	
80 1,1'-Biphenyl	154	10.488	10.488	0.000	97	835479	12.5	10.5	
81 2-Chloronaphthalene	162	10.499	10.499	0.000	98	619199	12.5	10.1	
84 2-Nitroaniline	138	10.681	10.681	0.000	82	253220	12.5	13.2	
87 Dimethyl phthalate	163	11.021	11.021	0.000	96	475663	12.5	7.91	
90 2,6-Dinitrotoluene	165	11.100	11.100	0.000	94	166300	12.5	12.4	
91 Acenaphthylene	152	11.146	11.146	0.000	99	1066452	12.5	13.1	
92 3-Nitroaniline	138	11.339	11.350	-0.011	91	198068	12.5	12.9	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	96	207032	5.00	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	97	657273	12.5	11.1	
95 2,4-Dinitrophenol	184	11.509	11.520	-0.011	76	137260	25.0	19.8	
97 4-Nitrophenol	109	11.634	11.645	-0.011	94	139893	25.0	12.1	
101 Dibenzofuran	168	11.702	11.702	0.000	96	880889	12.5	11.5	
100 2,4-Dinitrotoluene	165	11.713	11.713	0.000	91	218346	12.5	12.6	
105 Diethyl phthalate	149	12.076	12.076	0.000	96	650217	12.5	10.7	
107 Fluorene	166	12.155	12.155	0.000	94	698907	12.5	11.6	
109 4-Chlorophenyl phenyl ether	204	12.189	12.189	0.000	96	268199	12.5	9.88	
108 4-Nitroaniline	138	12.189	12.201	-0.012	82	195729	12.5	12.2	
111 4,6-Dinitro-2-methylphenol	198	12.235	12.246	-0.011	58	175634	25.0	20.9	
112 N-Nitrosodiphenylamine	169	12.337	12.337	0.000	62	484254	10.6	10.7	
113 1,2-Diphenylhydrazine	77	12.371	12.371	0.000	42	966685	12.5	11.5	
$ 114 2,4,6-Tribromophenol	330	12.450	12.450	0.000	93	437605	50.2	47.1	
119 4-Bromophenyl phenyl ether	248	12.768	12.768	0.000	79	157955	12.5	10.2	
121 Hexachlorobenzene	284	12.802	12.802	0.000	91	196251	12.5	10.5	
123 Atrazine	200	12.995	12.995	0.000	92	153659	12.5	11.5	
124 Pentachlorophenol	266	13.052	13.063	-0.011	87	205958	25.0	21.2	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	96	337704	5.00	5.00	
130 Phenanthrene	178	13.312	13.312	0.000	99	928323	12.5	11.3	
131 Anthracene	178	13.369	13.381	-0.011	98	928995	12.5	11.5	
132 Carbazole	167	13.596	13.596	0.000	96	911673	12.5	12.9	
134 Di-n-butyl phthalate	149	14.107	14.106	0.001	99	1183683	12.5	12.5	
139 Fluoranthene	202	14.923	14.923	0.000	99	936532	12.5	12.0	
140 Benzidine	184	15.162	15.161	0.001	99	331261	25.0	6.41	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	284522	5.00	5.00	
142 Pyrene	202	15.252	15.252	0.000	95	962218	12.5	11.9	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	1187844	25.1	22.3	
147 Butyl benzyl phthalate	149	16.398	16.398	0.000	96	410584	12.5	10.8	
149 Benzo[a]anthracene	228	17.249	17.287	0.000	98	777583	12.5	12.2	
150 3,3'-Dichlorobenzidine	252	17.249	17.287	0.000	77	524469	25.0	20.8	
152 Chrysene	228	17.306	17.344	0.001	96	818566	12.5	12.5	
153 Bis(2-ethylhexyl) phthalate	149	17.464	17.464	0.000	97	711607	12.5	13.8	
155 Di-n-octyl phthalate	149	18.622	18.621	0.001	99	1166803	12.5	12.1	
156 Benzo[b]fluoranthene	252	19.087	19.087	0.001	98	831306	12.5	11.0	
158 Benzo[k]fluoranthene	252	19.132	19.132	0.000	97	917866	12.5	12.1	
159 Benzo[a]pyrene	252	19.608	19.608	0.000	85	790866	12.5	10.9	
* 160 Perylene-d12	264	19.699	19.699	0.000	95	306072	5.00	5.00	
164 Indeno[1,2,3-cd]pyrene	276	21.299	21.299	0.000	96	722776	12.5	10.3	
165 Dibenz(a,h)anthracene	278	21.344	21.344	0.000	95	837357	12.5	11.4	
166 Benzo[g,h,i]perylene	276	21.662	21.662	0.000	94	887176	12.5	11.5	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

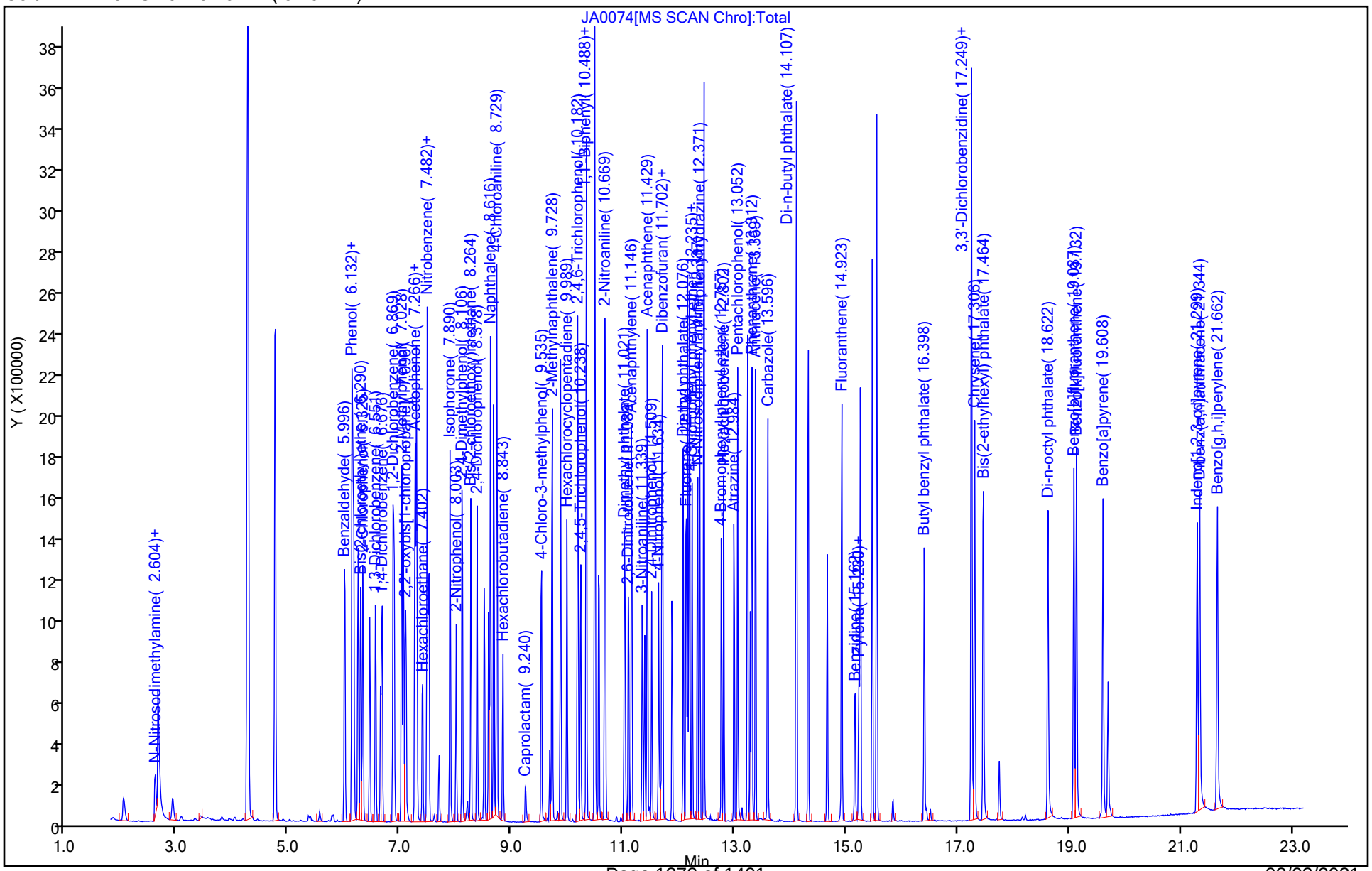
Report Date: 12-Jan-2021 20:55:15 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210112-19719.b\JA0074.D

Injection Date:	12-Jan-2021 15:24:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	LCSD 410-83558/3-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-10D-20201228 MS Lab Sample ID: 410-25282-3 MS

Matrix: Ground Water Lab File ID: JA0059.D

Analysis Method: 8270D Date Collected: 12/28/2020 14:31

Extract. Method: 3510C Date Extracted: 01/04/2021 17:22

Sample wt/vol: 246.8(mL) Date Analyzed: 01/06/2021 16:35

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	46.4		0.51	0.10
208-96-8	Acenaphthylene	52.3		0.51	0.10
120-12-7	Anthracene	44.8		0.51	0.10
56-55-3	Benzo[a]anthracene	37.9		0.51	0.10
50-32-8	Benzo[a]pyrene	34.4		0.51	0.10
205-99-2	Benzo[b]fluoranthene	36.2		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	33.7		0.51	0.10
207-08-9	Benzo[k]fluoranthene	40.0		0.51	0.10
218-01-9	Chrysene	38.8		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	33.9		0.51	0.10
206-44-0	Fluoranthene	44.3		0.51	0.10
86-73-7	Fluorene	45.9		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	30.7		0.51	0.10
91-20-3	Naphthalene	44.5		0.51	0.10
85-01-8	Phenanthrene	44.1		0.51	0.10
129-00-0	Pyrene	42.9		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	77		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	76		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	65		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0059.D
Lims ID: 410-25282-D-3-A MS
Client ID: MW-10D-20201228
Sample Type: MS
Inject. Date: 06-Jan-2021 16:35:30 ALS Bottle#: 10 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-3-A MS
Misc. Info.: 410-0019332-011
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:42:49 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: luttek Date: 06-Jan-2021 17:16:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	151412	5.00	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	90	1051555	25.0	19.0	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	569859	5.00	5.00	
57 Naphthalene	128	8.616	8.616	0.000	97	1378807	12.5	11.0	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	100	1452278	25.1	19.4	
91 Acenaphthylene	152	11.146	11.146	0.000	99	1174762	12.5	12.9	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	97	231974	5.00	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	97	757365	12.5	11.5	
107 Fluorene	166	12.155	12.155	0.000	94	766840	12.5	11.3	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	96	378230	5.00	5.00	
130 Phenanthrene	178	13.312	13.312	0.000	99	997740	12.5	10.9	
131 Anthracene	178	13.369	13.369	0.000	98	1003803	12.5	11.1	
139 Fluoranthene	202	14.923	14.923	0.000	99	953292	12.5	10.9	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	97	331227	5.00	5.00	
142 Pyrene	202	15.252	15.252	0.000	95	994796	12.5	10.6	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	1020318	25.1	16.4	
149 Benzo[a]anthracene	228	17.249	17.249	0.000	98	693029	12.5	9.35	
152 Chrysene	228	17.306	17.305	0.001	96	730966	12.5	9.56	
156 Benzo[b]fluoranthene	252	19.087	19.086	0.001	98	705248	12.5	8.93	
158 Benzo[k]fluoranthene	252	19.132	19.132	0.000	97	782556	12.5	9.87	
159 Benzo[a]pyrene	252	19.608	19.608	0.000	83	643409	12.5	8.50	
* 160 Perylene-d12	264	19.699	19.699	0.000	94	318791	5.00	5.00	
164 Indeno[1,2,3-cd]pyrene	276	21.299	21.299	0.000	97	556940	12.5	7.59	
165 Dibenz(a,h)anthracene	278	21.344	21.344	0.000	96	637946	12.5	8.36	
166 Benzo[g,h,i]perylene	276	21.662	21.662	0.000	97	669817	12.5	8.31	

QC Flag Legend
Processing Flags

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

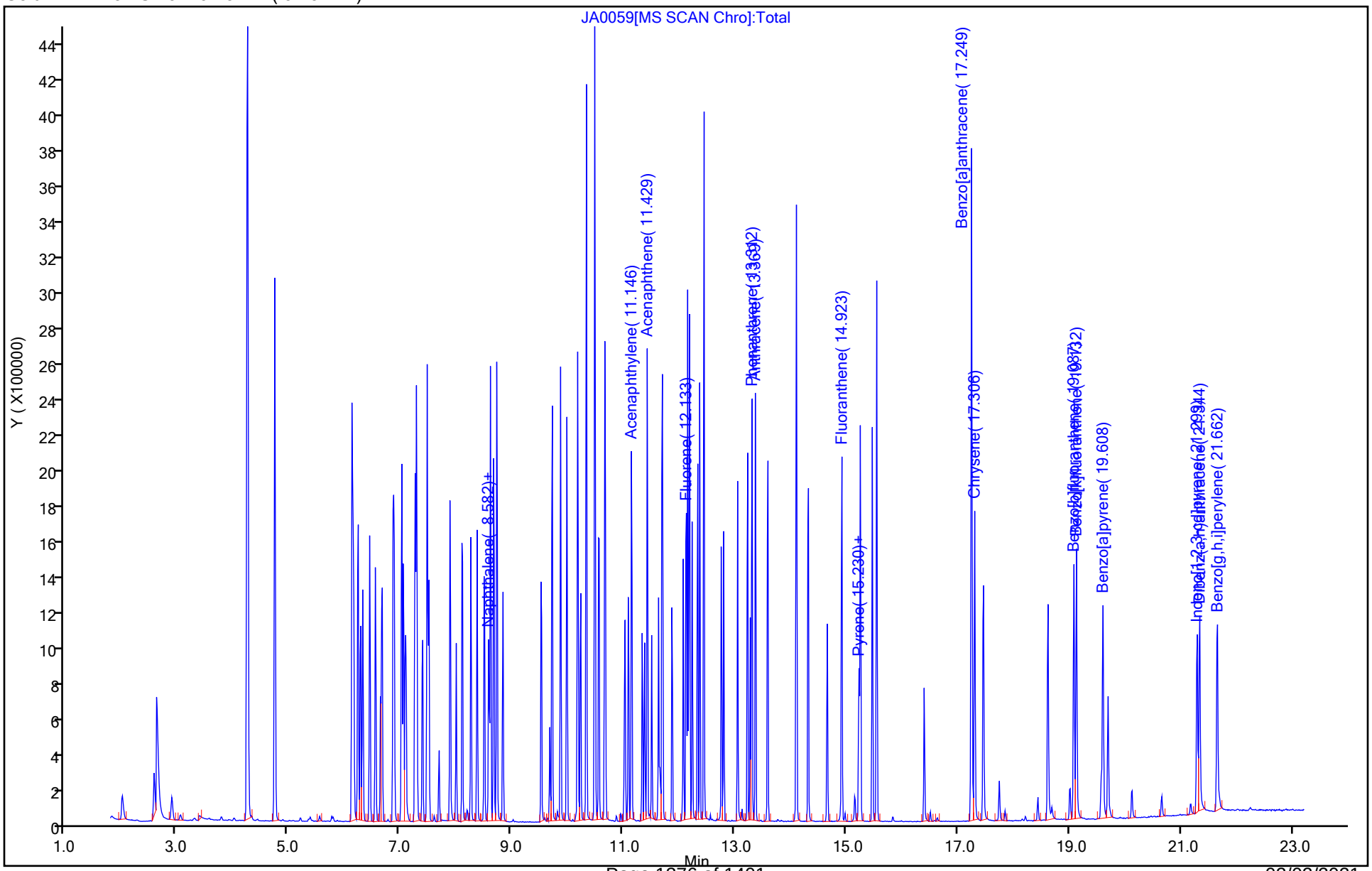
Report Date: 06-Jan-2021 21:44:50 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0059.D

Injection Date:	06-Jan-2021 16:35:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-D-3-A MS			Worklist Smp#:	11
Client ID:	MW-10D-20201228				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-25282-1

SDG No.:

Client Sample ID: MW-10D-20201228 MSD Lab Sample ID: 410-25282-3 MSD

Matrix: Ground Water Lab File ID: JA0060.D

Analysis Method: 8270D Date Collected: 12/28/2020 14:31

Extract. Method: 3510C Date Extracted: 01/04/2021 17:22

Sample wt/vol: 245.5(mL) Date Analyzed: 01/06/2021 17:05

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 82495 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	37.5		0.51	0.10
208-96-8	Acenaphthylene	41.7		0.51	0.10
120-12-7	Anthracene	37.0		0.51	0.10
56-55-3	Benzo[a]anthracene	33.4		0.51	0.10
50-32-8	Benzo[a]pyrene	34.0		0.51	0.10
205-99-2	Benzo[b]fluoranthene	38.0		0.51	0.10
191-24-2	Benzo[g,h,i]perylene	33.4		0.51	0.10
207-08-9	Benzo[k]fluoranthene	41.1		0.51	0.10
218-01-9	Chrysene	34.5		0.51	0.10
53-70-3	Dibenz(a,h)anthracene	35.0		0.51	0.10
206-44-0	Fluoranthene	37.1		0.51	0.10
86-73-7	Fluorene	39.2		0.51	0.10
193-39-5	Indeno[1,2,3-cd]pyrene	31.7		0.51	0.10
91-20-3	Naphthalene	34.3		0.51	0.10
85-01-8	Phenanthrene	37.4		0.51	0.10
129-00-0	Pyrene	38.1		0.51	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		44-102
4165-60-0	Nitrobenzene-d5 (Surr)	60		23-128
1718-51-0	p-Terphenyl-d14 (Surr)	56		31-113

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0060.D
Lims ID: 410-25282-D-3-B MSD
Client ID: MW-10D-20201228
Sample Type: MSD
Inject. Date: 06-Jan-2021 17:05:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-25282-D-3-B MSD
Misc. Info.: 410-0019332-012
Operator ID: knb25316 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Jan-2021 21:42:49 Calib Date: 03-Dec-2020 18:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20201203-16969.b\JL0128.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: luttek Date: 06-Jan-2021 21:06:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 28 1,4-Dichlorobenzene-d4	152	6.642	6.642	0.000	97	153889	5.00	5.00	
$ 43 Nitrobenzene-d5	82	7.482	7.481	0.001	89	878535	25.0	14.9	
* 56 Naphthalene-d8	136	8.582	8.582	0.000	99	605661	5.00	5.00	
57 Naphthalene	128	8.616	8.616	0.000	97	1121719	12.5	8.42	
$ 77 2-Fluorobiphenyl (Surr)	172	10.340	10.340	0.000	99	1223737	25.1	15.7	
91 Acenaphthylene	152	11.146	11.146	0.000	99	972284	12.5	10.2	
* 93 Acenaphthene-d10	164	11.384	11.384	0.000	96	242000	5.00	5.00	
94 Acenaphthene	153	11.429	11.429	0.000	97	634582	12.5	9.21	
107 Fluorene	166	12.155	12.155	0.000	94	679159	12.5	9.63	
* 128 Phenanthrene-d10	188	13.278	13.278	0.000	96	402952	5.00	5.00	
130 Phenanthrene	178	13.312	13.312	0.000	98	897328	12.5	9.18	
131 Anthracene	178	13.369	13.369	0.000	98	880117	12.5	9.09	
139 Fluoranthene	202	14.923	14.923	0.000	99	844664	12.5	9.10	
* 141 Pyrene-d10 (IS)	212	15.230	15.230	0.000	96	328156	5.00	5.00	
142 Pyrene	202	15.252	15.252	0.000	94	870405	12.5	9.36	
$ 143 p-Terphenyl-d14	244	15.547	15.547	0.000	96	861637	25.1	14.0	
149 Benzo[a]anthracene	228	17.249	17.249	0.000	99	603011	12.5	8.21	
152 Chrysene	228	17.306	17.305	0.001	96	641535	12.5	8.47	
156 Benzo[b]fluoranthene	252	19.087	19.086	0.001	98	615558	12.5	9.32	
158 Benzo[k]fluoranthene	252	19.132	19.132	0.000	97	669286	12.5	10.1	
159 Benzo[a]pyrene	252	19.608	19.608	0.000	82	529284	12.5	8.35	
* 160 Perylene-d12	264	19.699	19.699	0.000	93	266754	5.00	5.00	
164 Indeno[1,2,3-cd]pyrene	276	21.299	21.299	0.000	97	477647	12.5	7.77	
165 Dibenz(a,h)anthracene	278	21.344	21.344	0.000	94	549385	12.5	8.60	
166 Benzo[g,h,i]perylene	276	21.662	21.662	0.000	95	553089	12.5	8.20	

QC Flag Legend
Processing Flags

Reagents:

MSS_RV8270_IS_00015 Amount Added: 20.00 Units: uL Run Reagent

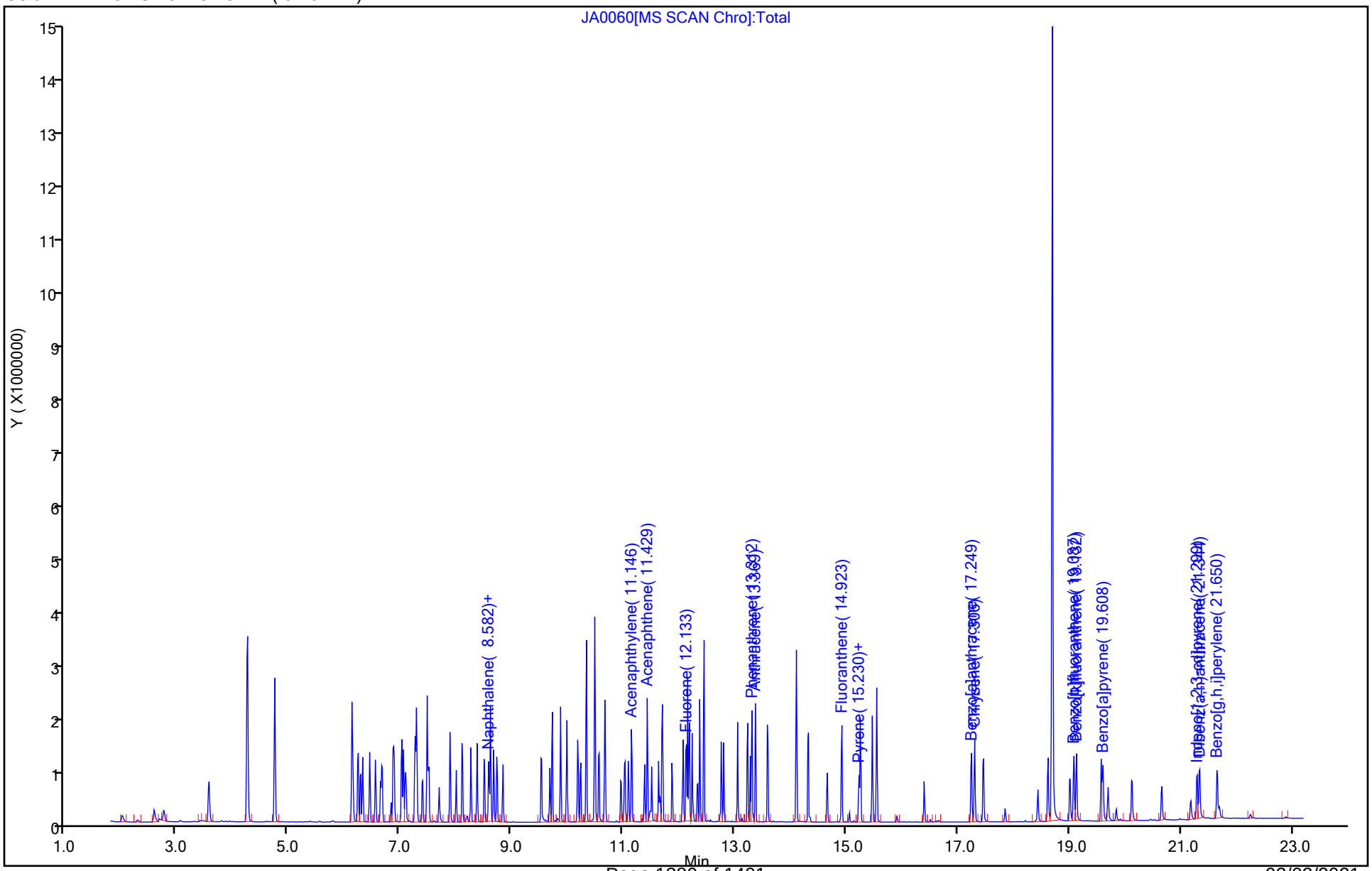
Report Date: 06-Jan-2021 21:44:52 Chrom Revision: 2.3 29-Dec-2020 11:38:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20210106-19332.b\JA0060.D

Injection Date:	06-Jan-2021 17:05:30	Instrument ID:	HP23264	Operator ID:	knb25316
Lims ID:	410-25282-D-3-B MSD			Worklist Smp#:	12
Client ID:	MW-10D-20201228				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: HP18831 Start Date: 11/24/2020 21:24

Analysis Batch Number: 70201 End Date: 11/25/2020 04:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-70201/1		11/24/2020 21:24	1	HK1900a.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-70201/2		11/24/2020 22:09	1	HK1901.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-70201/3		11/24/2020 23:28	1	HK1902.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-70201/4		11/24/2020 23:57	1	HK1903.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-70201/5		11/25/2020 00:25	1	HK1904.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-70201/6		11/25/2020 00:54	1	HK1905.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-70201/7		11/25/2020 01:23	1	HK1906.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-70201/8		11/25/2020 01:51	1	HK1907.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-70201/9		11/25/2020 02:20	1	HK1908.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-70201/10		11/25/2020 02:49	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-70201/11		11/25/2020 03:17	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-70201/12		11/25/2020 03:46	1	HK1911.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-70201/13		11/25/2020 04:15	1	HK1912.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: HP18831 Start Date: 01/06/2021 22:09

Analysis Batch Number: 82729 End Date: 01/07/2021 07:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-82729/1		01/06/2021 22:09	1	HA0250.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-82729/2		01/06/2021 22:29	1	HA0251.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-81991/1-A		01/06/2021 23:55	1	HA0252.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-81991/2-A		01/07/2021 00:24	1	HA0253.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 00:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 01:21	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 01:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 02:18	1		DB-5MS 30m 0.25 0.25(mm)
410-25282-5	MW-8D-20201229	01/07/2021 02:47	1	HA0258.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-6	MW-7S-20201229	01/07/2021 03:16	1	HA0259.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-7	MW-7D-20201229	01/07/2021 03:44	1	HA0260.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-8	MW-14S-20201229	01/07/2021 04:13	1	HA0261.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-9	MW-14D-20201229	01/07/2021 04:42	1	HA0262.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-10	MW-12S-20201229	01/07/2021 05:10	1	HA0263.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-11	MW-12D-20201229	01/07/2021 05:39	1	HA0264.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-12	FB-20201229	01/07/2021 06:08	1	HA0265.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-13	MW-11S-20201229	01/07/2021 06:36	1	HA0266.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-14	MW-11D-20201229	01/07/2021 07:05	1	HA0267.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: HP18831 Start Date: 01/07/2021 08:32

Analysis Batch Number: 82839 End Date: 01/07/2021 20:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-82839/1		01/07/2021 08:32	1	HA0300.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-82839/2		01/07/2021 08:52	1	HA0301.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-82383/1-A		01/07/2021 10:15	1	HA0303.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-82383/2-A		01/07/2021 10:43	1	HA0304.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 11:12	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 11:41	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 12:10	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 12:39	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 13:07	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 13:36	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 14:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 14:34	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 15:02	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 15:31	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 16:00	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 16:28	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 16:57	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/07/2021 17:26	1		DB-5MS 30m 0.25 0.25(mm)
410-25282-15	MW-4S-20201230	01/07/2021 17:54	1	HA0317.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-16	MW-4D-20201230	01/07/2021 18:23	1	HA0318.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-17	MW-3-20201230	01/07/2021 18:52	1	HA0319.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-18	MW-13D-20201230	01/07/2021 19:20	1	HA0320.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-19	MW-13S-20201230	01/07/2021 19:49	1	HA0321.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-20	DUP-20201230	01/07/2021 20:17	1	HA0322.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: HP18831 Start Date: 01/07/2021 21:43

Analysis Batch Number: 83166 End Date: 01/08/2021 01:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-83166/1		01/07/2021 21:43	1	HA0350.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-83166/2		01/07/2021 22:20	1	HA0351.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-17 DL	MW-3-20201230 DL	01/08/2021 00:50	5	HA0352.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-20 DL	DUP-20201230 DL	01/08/2021 01:19	5	HA0353.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: HP23264 Start Date: 12/03/2020 14:36

Analysis Batch Number: 72438 End Date: 12/03/2020 22:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-72438/1		12/03/2020 14:36	1	JL0120a.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-72438/2		12/03/2020 15:02	1	JL0121.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-72438/3		12/03/2020 15:42	1	JL0122.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-72438/4		12/03/2020 16:12	1	JL0123.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-72438/5		12/03/2020 16:42	1	JL0124.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-72438/6		12/03/2020 17:13	1	JL0125.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-72438/7		12/03/2020 17:43	1	JL0126.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-72438/8		12/03/2020 18:13	1	JL0127.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-72438/9		12/03/2020 18:43	1	JL0128.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-72438/10		12/03/2020 19:13	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-72438/11		12/03/2020 19:43	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-72438/13		12/03/2020 20:43	1	JL0132.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-72438/14		12/03/2020 21:13	1	JL0133.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-72438/12		12/03/2020 22:24	1	JL0131a.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: HP23264 Start Date: 12/05/2020 18:17

Analysis Batch Number: 73501 End Date: 12/06/2020 03:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-73501/1		12/05/2020 18:17	1	JL0170.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-73501/2		12/05/2020 18:40	1		DB-5MS 30m 0.25 0.25(mm)
BZACID ICV		12/05/2020 19:15	1	JL0172.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/05/2020 19:45	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/05/2020 20:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/05/2020 21:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/05/2020 21:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/05/2020 22:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/05/2020 22:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/05/2020 23:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/05/2020 23:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/06/2020 00:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/06/2020 00:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/06/2020 01:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/06/2020 01:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/06/2020 02:14	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/06/2020 02:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		12/06/2020 03:13	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: HP23264 Start Date: 01/06/2021 10:04

Analysis Batch Number: 82495 End Date: 01/06/2021 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-82495/1		01/06/2021 10:04	1	JA0050.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-82495/2		01/06/2021 10:50	1	JA0051.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-81865/1-A		01/06/2021 13:06	1	JA0052.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-81865/2-A		01/06/2021 13:36	1	JA0053.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-1	MW-1-20201228	01/06/2021 15:05	1	JA0056.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-2	MW-10S-20201228	01/06/2021 15:35	1	JA0057.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-3	MW-10D-20201228	01/06/2021 16:05	1	JA0058.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-3 MS	MW-10D-20201228 MS	01/06/2021 16:35	1	JA0059.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-3 MSD	MW-10D-20201228 MSD	01/06/2021 17:05	1	JA0060.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-4	MW-8S-20201228	01/06/2021 20:33	1	JA0061a.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-25282-1

SDG No.:

Instrument ID: HP23264 Start Date: 01/12/2021 13:10

Analysis Batch Number: 84066 End Date: 01/13/2021 01:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-84066/1		01/12/2021 13:10	1	JA0070.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-84066/2		01/12/2021 13:34	1	JA0071.D	DB-5MS 30m 0.25 0.25(mm)
MB 410-83558/1-A		01/12/2021 14:25	1	JA0072.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-83558/2-A		01/12/2021 14:54	1	JA0073.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-83558/3-A		01/12/2021 15:24	1	JA0074.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/12/2021 15:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/12/2021 20:54	1		DB-5MS 30m 0.25 0.25(mm)
410-25282-8 RE	MW-14S-20201229 RE	01/12/2021 21:24	1	JA0085.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-10 RE	MW-12S-20201229 RE	01/12/2021 21:54	1	JA0086.D	DB-5MS 30m 0.25 0.25(mm)
410-25282-13 RE	MW-11S-20201229 RE	01/12/2021 22:24	1	JA0087.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/12/2021 22:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/12/2021 23:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/12/2021 23:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/13/2021 00:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/13/2021 00:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ		01/13/2021 01:24	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 81865 Batch Start Date: 01/04/21 17:21 Batch Analyst: Crawford, Scott C

Batch Method: 3510C Batch End Date: 01/04/21 23:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH
MB 410-81865/1		3510C, 8270D				250 mL	1 mL	5	11
LCS 410-81865/2		3510C, 8270D				250 mL	1 mL	5	11
410-25282-D-3 MS	MW-10D-20201228	3510C, 8270D	T	414.41 g	167.66 g	246.8 mL	1 mL	5 SU	11 SU
410-25282-D-3 MSD	MW-10D-20201228	3510C, 8270D	T	413.60 g	168.15 g	245.5 mL	1 mL	5 SU	11 SU
410-25282-D-1	MW-1-20201228	3510C, 8270D	T	412.15 g	168.44 g	243.7 mL	1 mL	5 SU	11 SU
410-25282-D-2	MW-10S-20201228	3510C, 8270D	T	412.40 g	168.36 g	244 mL	1 mL	5 SU	11 SU
410-25282-D-3	MW-10D-20201228	3510C, 8270D	T	414.32 g	167.88 g	246.4 mL	1 mL	5 SU	11 SU
410-25282-D-4	MW-8S-20201228	3510C, 8270D	T	417.26 g	168.48 g	248.8 mL	1 mL	5 SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_MINIBNA_SS 00028	OP_MINLCS1_MS 00052	AnalysisComment			
MB 410-81865/1		3510C, 8270D		1 mL		Tap H2O			
LCS 410-81865/2		3510C, 8270D		1 mL	1 mL	Tap H2O			
410-25282-D-3 MS	MW-10D-20201228	3510C, 8270D	T	1 mL	1 mL	Clear			
410-25282-D-3 MSD	MW-10D-20201228	3510C, 8270D	T	1 mL	1 mL	Clear			
410-25282-D-1	MW-1-20201228	3510C, 8270D	T	1 mL		Tan tint			
410-25282-D-2	MW-10S-20201228	3510C, 8270D	T	1 mL		Tan tint			
410-25282-D-3	MW-10D-20201228	3510C, 8270D	T	1 mL		Clear			
410-25282-D-4	MW-8S-20201228	3510C, 8270D	T	1 mL		tan tint			

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 Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 81865 Batch Start Date: 01/04/21 17:21 Batch Analyst: Crawford, Scott C

Batch Method: 3510C Batch End Date: 01/04/21 23:45

Batch Notes	
Balance ID	25996
Analyst ID - Concentration	16720
Concentration 1 Corrected Temperature	90 Degrees C
Equipment ID - Concentration 1	Rapidvaps 1/2/9
Analyst ID - Extraction	16720
Na2SO4 ID	20364A
Pipette/Syringe/Dispenser ID	1
Prep Solvent ID	MeCl2; 205921
Prep Solvent Volume Used	90ml
Analyst ID - Spike Analyst	16720

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 81991 Batch Start Date: 01/05/21 09:15 Batch Analyst: Ruth, Joshua R

Batch Method: 3510C Batch End Date: 01/05/21 13:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-81991/1		3510C, 8270D				250 mL	1 mL	n/a SU	>11 SU
LCS 410-81991/2		3510C, 8270D				250 mL	1 mL	n/a SU	>11 SU
410-25282-D-5	MW-8D-20201229	3510C, 8270D	T	406.37 g	168.45 g	237.9 mL	1 mL	n/a SU	>11 SU
410-25282-D-6	MW-7S-20201229	3510C, 8270D	T	416.61 g	168.09 g	248.5 mL	1 mL	n/a SU	>11 SU
410-25282-D-7	MW-7D-20201229	3510C, 8270D	T	416.85 g	167.96 g	248.9 mL	1 mL	n/a SU	>11 SU
410-25282-D-8	MW-14S-20201229	3510C, 8270D	T	411.99 g	168.48 g	243.5 mL	1 mL	n/a SU	>11 SU
410-25282-D-9	MW-14D-20201229	3510C, 8270D	T	414.73 g	167.52 g	247.2 mL	1 mL	n/a SU	>11 SU
410-25282-D-10	MW-12S-20201229	3510C, 8270D	T	415.98 g	168.48 g	247.5 mL	1 mL	n/a SU	>11 SU
410-25282-D-11	MW-12D-20201229	3510C, 8270D	T	414.62 g	168.80 g	245.8 mL	1 mL	n/a SU	>11 SU
410-25282-D-12	FB-20201229	3510C, 8270D	T	415.74 g	168.13 g	247.6 mL	1 mL	n/a SU	>11 SU
410-25282-D-13	MW-11S-20201229	3510C, 8270D	T	411.79 g	168.61 g	243.2 mL	1 mL	n/a SU	>11 SU
410-25282-D-14	MW-11D-20201229	3510C, 8270D	T	412.29 g	168.19 g	244.1 mL	1 mL	n/a SU	>11 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	OP_MINIBNA_SS 00028	OP_MINLCS1_MS 00053	OP_MINLCS2_MS 00029	AnalysisComment	
MB 410-81991/1		3510C, 8270D		<2 SU	1 mL			Tap H2O	
LCS 410-81991/2		3510C, 8270D		<2 SU	1 mL	1 mL	1 mL	Tap H2O	
410-25282-D-5	MW-8D-20201229	3510C, 8270D	T	<2 SU	1 mL			Clear	
410-25282-D-6	MW-7S-20201229	3510C, 8270D	T	<2 SU	1 mL			Tan Cloudy	
410-25282-D-7	MW-7D-20201229	3510C, 8270D	T	<2 SU	1 mL			Tan Tint	
410-25282-D-8	MW-14S-20201229	3510C, 8270D	T	<2 SU	1 mL			Tan Tint	
410-25282-D-9	MW-14D-20201229	3510C, 8270D	T	<2 SU	1 mL			Tan Tint	
410-25282-D-10	MW-12S-20201229	3510C, 8270D	T	<2 SU	1 mL			Clear	
410-25282-D-11	MW-12D-20201229	3510C, 8270D	T	<2 SU	1 mL			Clear	
410-25282-D-12	FB-20201229	3510C, 8270D	T	<2 SU	1 mL			Clear	
410-25282-D-13	MW-11S-20201229	3510C, 8270D	T	<2 SU	1 mL			Tan Cloudy	
410-25282-D-14	MW-11D-20201229	3510C, 8270D	T	<2 SU	1 mL			Clear	

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 Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 81991 Batch Start Date: 01/05/21 09:15 Batch Analyst: Ruth, Joshua R

Batch Method: 3510C Batch End Date: 01/05/21 13:50

Batch Notes	
Acid Used for pH Adjustment ID	H2SO4 194547
Balance ID	25996
Base Used to Adjust pH ID	NaOH 4005E31
Analyst ID - Concentration	CT35105
Equipment ID - Concentration 1	RVAP 2, 9, 4
Analyst ID - Extraction	CT35105
Na2SO4 ID	20364A
Pipette/Syringe/Dispenser ID	2
Prep Solvent ID	MeCl2 205921
Prep Solvent Volume Used	90 mL
Analyst ID - Spike Analyst	JSR12366
Concentration 1 Uncorrected Temperature	90 Degrees C

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 82383 Batch Start Date: 01/06/21 09:50 Batch Analyst: Tynes, Caitlyn

Batch Method: 3510C Batch End Date: 01/06/21 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-82383/1		3510C, 8270D				250 mL	1 mL	N/A SU	>11 SU
LCS 410-82383/2		3510C, 8270D				250 mL	1 mL	N/A SU	>11 SU
410-25282-D-15	MW-4S-20201230	3510C, 8270D	T	415.35 g	168.29 g	247.1 mL	1 mL	N/A SU	>11 SU
410-25282-D-16	MW-4D-20201230	3510C, 8270D	T	415.50 g	167.95 g	247.6 mL	1 mL	N/A SU	>11 SU
410-25282-D-17	MW-3-20201230	3510C, 8270D	T	418.02 g	168.36 g	249.7 mL	1 mL	N/A SU	>11 SU
410-25282-D-18	MW-13D-20201230	3510C, 8270D	T	415.74 g	168.22 g	247.5 mL	1 mL	N/A SU	>11 SU
410-25282-D-19	MW-13S-20201230	3510C, 8270D	T	416.79 g	167.96 g	248.8 mL	1 mL	N/A SU	>11 SU
410-25282-D-20	DUP-20201230	3510C, 8270D	T	418.53 g	168.36 g	250.2 mL	1 mL	N/A SU	>11 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	OP_MINIBNA_SS 00028	OP_MINLCS1_MS 00053	AnalysisComment		
MB 410-82383/1		3510C, 8270D		<2 SU	1 mL		Tap Water		
LCS 410-82383/2		3510C, 8270D		<2 SU	1 mL	1 mL	Tap Water		
410-25282-D-15	MW-4S-20201230	3510C, 8270D	T	<2 SU	1 mL		Orange Tint		
410-25282-D-16	MW-4D-20201230	3510C, 8270D	T	<2 SU	1 mL		Clear		
410-25282-D-17	MW-3-20201230	3510C, 8270D	T	<2 SU	1 mL		Brown Tint; emulsion formed		
410-25282-D-18	MW-13D-20201230	3510C, 8270D	T	<2 SU	1 mL		Tan Tint		
410-25282-D-19	MW-13S-20201230	3510C, 8270D	T	<2 SU	1 mL		Brown Tint; emulsion formed		
410-25282-D-20	DUP-20201230	3510C, 8270D	T	<2 SU	1 mL		Brown Tint; emulsion formed		

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 Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 82383 Batch Start Date: 01/06/21 09:50 Batch Analyst: Tynes, Caitlyn

Batch Method: 3510C Batch End Date: 01/06/21 15:00

Batch Notes	
Acid Used for pH Adjustment ID	H2SO4 194547
Balance ID	25996
Base Used to Adjust pH ID	NaOH 4005E31
Analyst ID - Concentration	JSR12366
Equipment ID - Concentration 1	RVAP 5, 3, 2, 1
Analyst ID - Extraction	CT35105, JSR12366
Na2SO4 ID	21004A
Pipette/Syringe/Dispenser ID	4
Prep Solvent ID	MeCl2 205921
Prep Solvent Volume Used	90 mL
Analyst ID - Spike Analyst	JSR12366
Concentration 1 Uncorrected Temperature	90 Degrees C

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 83558 Batch Start Date: 01/11/21 10:30 Batch Analyst: Tynes, Caitlyn

Batch Method: 3510C Batch End Date: 01/11/21 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-83558/1		3510C, 8270D				250 mL	1 mL	N/A SU	>11 SU
LCS 410-83558/2		3510C, 8270D				250 mL	1 mL	N/A SU	>11 SU
LCSD 410-83558/3		3510C, 8270D				250 mL	1 mL	N/A SU	>11 SU
410-25282-E-8	MW-14S-20201229	3510C, 8270D	T	413.92 g	167.41 g	246.5 mL	1 mL	N/A SU	>11 SU
410-25282-E-10	MW-12S-20201229	3510C, 8270D	T	416.14 g	167.77 g	248.4 mL	1 mL	N/A SU	>11 SU
410-25282-E-13	MW-11S-20201229	3510C, 8270D	T	414.00 g	168.22 g	245.8 mL	1 mL	N/A SU	>11 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	OP_MINIBNA_SS 00028	OP_MINLCS1_MS 00054	OP_MINLCS2_MS 00029	AnalysisComment	
MB 410-83558/1		3510C, 8270D		<2 SU	1 mL			Tap Water	
LCS 410-83558/2		3510C, 8270D		<2 SU	1 mL	1 mL	1 mL	Tap Water	
LCSD 410-83558/3		3510C, 8270D		<2 SU	1 mL	1 mL	1 mL	Tap Water	
410-25282-E-8	MW-14S-20201229	3510C, 8270D	T	<2 SU	1 mL			Tan Tint	
410-25282-E-10	MW-12S-20201229	3510C, 8270D	T	<2 SU	1 mL			Clear	
410-25282-E-13	MW-11S-20201229	3510C, 8270D	T	<2 SU	1 mL			Orange Tint	

Batch Notes	
Acid Used for pH Adjustment ID	H2SO4 194547
Balance ID	25996
Base Used to Adjust pH ID	NaOH 4005E31
Analyst ID - Concentration	CT35105
Equipment ID - Concentration 1	RVAP 2, 1, 9
Analyst ID - Extraction	CT35105, CG12385
Na2SO4 ID	21006A
Pipette/Syringe/Dispenser ID	4
Prep Solvent ID	MeCl2 205921
Prep Solvent Volume Used	45 mL
Analyst ID - Spike Analyst	CG12385
Concentration 1 Uncorrected Temperature	90 Degrees C

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 Lancaster Laboratorie Job No.: 410-25282-1

SDG No.:

Batch Number: 83558 Batch Start Date: 01/11/21 10:30 Batch Analyst: Tynes, Caitlyn

Batch Method: 3510C Batch End Date: 01/11/21 15:00

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.

Shipping and Receiving Documents

Environmental Analysis Request

eurofins | Lancaster Laboratories Environmental

For Eurofins La

Acct. # _____ Group # ___

410-25282 Chain of Custody

COC #616279

Client Information		Matrix	Analysis Requested	For Lab Use Only
Client: Brown + Caldwell	Acct. #:	Soil ☐ Sediment ☐ Tissue ☐ Water ☒ Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Other:	Preservation and Filtration Codes	FSC:
Project Name/#: Patchogue	PWSID #:			SCR#: 265262
Project Manager: Jim Marolda	P.O. #:			
Sampler: R Scandale / A. Velazquez	Quote #:			
State where samples were collected: NY	For Compliance: Yes ☐ No ☐			

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 P=H_3PO_4
F=Field Filtered O=Other

Remarks
1 of 3

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	H	BTEX/MTBE (8260)	PAHs (8270SIM)	
MW-1-20201228	12/28/20	1255	X		5		X	X	
MW-10S-20201228		1347	X		5		X	X	
MW-10D-20201228		1431	X		15		X	X	ms/msd
MW-8S-20201228		1534	X		5		X	X	
MW-8D-20201229	12/29/20	0822	X		5		X	X	
MW-7S-20201229		0919	X		5		X	X	
MW-7D-20201229		1007	X		5		X	X	
MW-14S-20201229		1059	X		5		X	X	
MW-14D-20201229		1151	X		5		X	X	
MW-12S-20201229		1318	X		5		X	X	

Turnaround Time (TAT) Requested (please circle)
Standard Rush
(Rush TAT is subject to laboratory approval and surcharge.)

Requested TAT in business days: _____

E-mail address: JMarolda@brwncald.com

Data Package Options (circle if required)
Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) NJ DKQP TX TRRP-13
NYSDEC Category A or (B) MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
R Scandale	12/30/20				
				12/31/20	08:12

EDD Required? Yes No
If yes, format: BC Equis

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____

Temperature upon receipt _____ °C

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # _____ Group # _____ Sample # _____

COC #616281

Client Information

Client: Brown + Caldwell	Acct. #:
Project Name/#: Patchogue	PWSID #:
Project Manager: Jim Marolda	P.O. #:
Sampler: R. Scandale / A. Velazquez	Quote #:
State where samples were collected: NY	For Compliance: Yes ☐ No ☐

Matrix

Soil ☐ Sediment ☐ Tissue ☐ | Water: Potable ☐ Ground ☒ NPDES ☐ Surface ☐ | Other: DI Water

Analysis Requested

Preservation and Filtration Codes

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	#	BTEX/MTBE (8260)	PAHs (8270 SIM)
MW-12D-20201229	12/29/20	1400	X		5		X	X
FB-20201229		1420	X		5		X	X
MW-11S-20201229		1502	X		5		X	X
MW-11D-20201229		1552	X		5		X	X
MW-4S-20201230	12/30/20	0906	X		5		X	X
MW-4D-20201230		0946	X		5		X	X
MW-3-20201230		1037	X		5		X	X
MW-13D-20201230		1126	X		5		X	X
MW-13S-20201230		1205	X		5		X	X
DUP-20201230		9999	X		5		X	X

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes

H=HCl	T=Thiosulfate
N=HNO_3	B=NaOH
S=H_2SO_4	P=H_3PO_4
F=Field Filtered	O=Other

Remarks

2 of 3

Turnaround Time (TAT) Requested (please circle)

Standard | Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Requested TAT in business days. _____

E-mail address: JMarolda@Brwncald.com

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) | Type VI (Raw Data Only)

Type III (Reduced non-CLP) | NJ DKQP | TX TRRP-13

NYSDEC Category A or B | MA MCP | CT RCP

Relinquished by	Date	Time	Received by	Date	Time
Rachel Scandale	12/30/20				
			Julissa R.	12/31/20	08.12

EDD Required? Yes No

If yes, format: BCLaquis

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature upon receipt _____ °C

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # _____ Group # _____ Sample # _____

COC # 616280

Client Information

Client: Brown and Caldwell	Acct. #:
Project Name/#: Patchogue	PWSID #:
Project Manager: J.m Marodda	P.O. #:
Sampler: R. Scandale/A. Velazquez	Quote #:
State where samples were collected: NY	For Compliance: Yes ☐ No ☐

Matrix

Soil ☐ Sediment ☐ Tissue ☐ Water: Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Other: DI water

Analysis Requested

Preservation and Filtration Codes

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	H	BTEX/MTBE (8260)
TripBlank-20201230	12/30/20	—	X		2		X

For Lab Use Only

FSC: _____

SCR#: _____

Preservation Codes

H=HCl	T=Thiosulfate
N=HNO_3	B=NaOH
S=H_2SO_4	P=H_3PO_4
F=Field Filtered	O=Other

Remarks

3 of 3

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Requested TAT in business days. _____

E-mail address. JMarodda@brwncald.com

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) | Type VI (Raw Data Only)

Type III (Reduced non-CLP) | NJ DKQP | TX TRRP-13

NYSDEC Category A or B | MA MCP | CT RCP

Relinquished by	Date	Time	Received by	Date	Time
Rachel Scandale	12/30/20				
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by Melissa R.	12/31/20	08:12

EDD Required? (Yes) No

If yes, format: BC EQuIS

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____

Temperature upon receipt _____ °C

JR 28/12/04 MF

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-25282-1

Login Number: 25282
List Number: 1
Creator: Rivera-Santa, Julissa

List Source: Eurofins Lancaster Laboratories Env

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal 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 (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	

Appendix C: Data Validator Qualifications

Jaclyn Lauer, P.E. S.C.

Experience Summary

Jaclyn Lauer started at Brown and Caldwell in the Columbia, SC office working with infrastructure, GIS, and condition asset management for municipal water and wastewater entities including sewer system evaluation studies. She then moved to the Atlanta, GA office where she worked many private sector clients and gained experience in data evaluation and assessment, compliance and permitting, project management, local limits evaluation studies, and database management. Ms. Lauer now works remotely in Lander, WY on many projects nationwide. In addition, she has led treatability laboratory studies and assisted in compliance reporting for a wide variety of clients. While at Clemson, she worked in the environmental laboratory for two years.

Assignment

Senior Engineer

Education

B.S. Environmental Engineering, Clemson University 2013

M.S. Environmental Engineering, Clemson University 2014

Clemson, SC

Registration

P.E., South Carolina #34670

Experience

5 years

Joined Firm

2014

Relevant Expertise

- *Data Evaluation*
- *Data Validation*
- *Data Usability*
- *Compliance and Permitting*
- *Infrastructure*
- *Water/wastewater Process Design*
- *GIS*
- *Field Work*
- *Mobile Data Collection*

Memberships

- *American Water Works Association (AWWA)*

Trainings

- *HAZWOPER 40 Hour*
- *Confined Space Certified*
- *Industrial Hygiene Health and Safety Certified*
- *Wetland Delineation Certified*

Publications

- *Lauer, Jaclyn, "The Use of Oxidants for NDMA Precursor Deactivation in Wastewater Treatment" (2014). All Theses. Paper 1905. http://tigerprints.clemson.edu/all_theses/1905*

Data Validation and Verification, Nationwide

Multiple On-going projects. Provides data validation for level I through IV laboratory reports including air, surface water, groundwater, soil, and soil gas samples. Verification, usability, and lab data management are provided for specialized projects. Provides training and mentorship to mid-level employees for data analysis. Trainings specifically for Organics and Inorganics along with PFAS and Explosives.

Environmental

Various Sampling, Multiple Clients, GA, FL, AL, OH, and SC

Field Scientist and Field Manager. Duties involve the sampling of air, surface water, groundwater, and subsurface at both hazardous and non-hazardous waste sites for biological, chemical, and physical parameters, and the coordination and safety of said sampling events. Conducted daily health and safety meetings discussing potential hazards of each site and summarizing health and safety plans to internal staff and external subcontractors. Field methods for collecting subsurface samples have included direct push drilling, hollow-stem augering, and various groundwater sampling techniques.

Ordot Landfill Closure, Guam

Project Engineer. Responsibilities include aiding in laboratory management. This includes sample orders, report validation, database management, and data usability. Also, assisted in establishing background concentrations and calculations. [2018 to present]

Vulcan Project Management, Georgia

Project Engineer. Responsibilities include aiding in on-call services for Vulcan for compliance and permitting, Stormwater, site surveying, and environmental assessments. [2016 to present]

Project Manager. Worked for the Vulcan Stockbridge Facility in Stockbridge, Georgia on a movie set to help develop an environmentally safe way to remove fake snow from the quarry pit. Responsibilities include managing the cleanup team and project and working with Vulcan and the client, Marvel, to ensure the product was removed and reused. [2017]

Project Engineer. Responsibilities include updating all SWPPPs for each plant in the state of Georgia. This included updating maps and reports, site inspections, and dye testing. [2017]

Walmart Environmental Site Inspections, Multiple Locations, Southeastern United States

Site Inspector. Responsibilities include Nightly auditing for ongoing construction at Walmart across the Southeast. Audits included interior and

exterior environmental, health, and safety inspections working with the site's general contractor. [2016 to 2017]

Groundwater Sampling, Former Manufactured Gas Plant, Confidential Client, Jacksonville, Florida

Project Engineer. Sampling of the groundwater for chemical and physical parameters, and the coordination safety of sampling events, and LNAPL and DNAPL delineation. Conducted daily health and safety meetings discussing potential hazards of each site and summarizing HASPs to internal staff and external subcontractors. Field methods included using peristaltic pumping to effectively collect samples.

Wetland Delineations and Stream Assessments, Multiple Locations, Southeastern United States

Project Manager. Conducted routine delineations of wetlands on properties ranging from 1 to 880 acres utilizing U.S. Army Corps of Engineers (USACE) protocols. Multiple project sites located in Georgia, Tennessee, South Carolina, Alabama, and Florida. [2017–Present]

Well Development, Groundwater Investigation, Oversight, Soil Investigation and Vapor Intrusion Sampling, Confidential Client, Covington, Georgia

Project Engineer. Well development of both on site and residential monitoring wells using field methods that include peristaltic pumping, geo-sub pumping, and waterra pumping. Conducted vapor intrusion sampling in residential houses using Summa canisters, interacting with residents. [KM Fountain Inn SC Environmental,

HMTF Site Closure, University of Georgia, Athens, Georgia

Project Engineer. Collected soil samples with a hand auger, following careful sample collection methods and decontamination methods. Provided oversight for decontamination and cleanup of facility then verified with wipe sampling following sample collection methods. Helped draft the closure report and aided in quality control of the laboratory data. Provided follow up sampling and decontamination including wipe and soil sampling. [2016 to present]

Industrial Water Reuse

Start-Up and Compliance Services, Confidential Pharmaceutical Client, Georgia

Process Engineer. Jaclyn provided on-demand regulatory compliance support and WWTP start-up services and a Covington, Georgia pharmaceutical facility. This includes creation and updates to the Standard Operating Procedure, and preparation of an O&M manual and operator training for the wastewater pretreatment system, designed and constructed by BC. Jaclyn spent time onsite performing inspections and aiding facility operators.

Reclaimed Water POTW, Confidential Refinery, Texas

Process Engineer. Conducted a study to consider using 4 MGD of POTW effluent from the city's WWTP. Responsibilities include the assessment for the addition of disinfection at the refinery including types of disinfection, location, and design. Additionally, designed and performed bench scale breakpoint chlorination and THM formation study to assess the chlorine demand and formation of THM in the effluent POTW. The main task for disinfection with chlorine is to combat peak day ammonia (5 ppm) bleed through from the POTW needs to be treated to <0.1 ppm and control water quality from the city's POTW. [BC Project # 146640]

Municipal Wastewater

Calculation and Evaluation of Local Limits, Fulton County Department of Public Works, Cherokee County Water & Sewer Authority, and Dekalb County Department of Watershed Management, Georgia

Project Engineer. Performed all data gathering, calculations, and regulatory review of the local limits developed for the wastewater treatment facilities in Dekalb, Fulton, and Cherokee Counties. For Fulton County, Local limits were individually developed for Johns Creek, Big Creek, and Camp Creek to review the old limits for industrial pretreatment. For Dekalb County, reviewed industrial and commercial data to determine source of FOG and developed recommendations to address sewer corrosion. For Cherokee County, reviewed scenarios for anticipated growth and calculated local limits that would allow for such growth.

City of Flagstaff, Local Limits Development and Pretreatment Program Assessment

Project Engineer. Conducted an interim Industrial Pretreatment Local Limits Evaluation to assess current limits for BOD and TSS to determine whether the City could accommodate additional industrial wastewater from breweries. Developed recommendations for future limits to protect the City's facilities but not limits industrial users.

HRSD WO7.6 Regionalized Rehab Program, HRSD, Virginia Beach, Virginia

Project Engineer. Responsibilities includes development of rehabilitation scopes, cost estimates, post-rehab I/I reduction estimates, and adjustment of hydrologic parameters in selected rehabilitation catchments in the HRSD service area. The Hampton Roads Sanitation District (HRSD) has taken regional responsibility to implement the EPA/Virginia DEQ mandated wet weather management plan (RWWMP), including identification and rehabilitation of cost-effective inflow/infiltration sources [BC Project # 146162]

Rocky Branch Basin SSES, City of Columbia, Columbia, South Carolina

Project Engineer. Responsibilities include providing technical engineering support to the City of Columbia for a Sewer System Evaluation Study (SSES) of a portion of the City's sanitary sewer system to identify problems that may lead to sanitary sewer overflows (SSOs). This includes investigations that are intended to identify structural, operations and maintenance, and infiltration and inflow (I/I) related problems. A full update to the City of Columbia's GIS will be provided at the end of the assessment. The intent of this project is to meet the requirements of the Continuing Sewer Assessment Program (CSAP) and the Infrastructure Rehabilitation Program (IRP) which are components of the Consent Decree under which the City is performing this work.

Appendix D: Data Usability Summary Report

DATA USABILITY SUMMARY REPORT
PATCHOGUE FORMER MGP SITE

Client: Brown and Caldwell, Albany, New York
SDGs: 410-25282-1
Laboratory: Eurofins Lancaster Laboratories, Lancaster, Pennsylvania
Site: Patchogue, NY
Date: February 2, 2021

Client Sample ID	Laboratory Sample ID	Matrix
MW-1-20201228	410-25282-1	Groundwater
MW-10S-20201228	410-25282-2	Groundwater
MW-10D-20201228	410-25282-3	Groundwater
MW-8S-20201228	410-25282-4	Groundwater
MW-8D-20201229	410-25282-5	Groundwater
MW-7S-20201229	410-25282-6	Groundwater
MW-7D-20201229	410-25282-7	Groundwater
MW-14S-20201229	410-25282-8	Groundwater
MW-14D-20201229	410-25282-9	Groundwater
MW-12S-20201229	410-25282-10	Groundwater
MW-12D-20201229	410-25282-11	Groundwater
FB-20201229	410-25282-12	Water
MW-11S-20201229	410-25282-13	Groundwater
MW-11D-20201229	410-25282-14	Groundwater
MW-4S-20201230	410-25282-15	Groundwater
MW-4D-20201230	410-25282-16	Groundwater
MW-3-20201230	410-25282-17	Groundwater
MW-13D-20201230	410-25282-18	Groundwater
MW-13S-20201230	410-25282-19	Groundwater
DUP-20201230	410-25282-20	Groundwater
Trip Blank-20201230	410-25282-21	Water

Data validation was performed on the analytical data for twenty-one (21) samples collected on December 28 through 30, 2020 by Brown and Caldwell Associates at the Patchogue Site in New York. The samples were analyzed under the Environmental Protection Agency (USEPA) "Volatile Organic Compounds by Gas Chromatography/ Mass Spectrometry (GC/MS), SW-846 Method 8020C", August 2006, "Test Methods for Evaluating Solid Wastes, SW-846 Method 8270D (SIM), February 2007" and "Test Methods for Evaluating Solid Wastes, SW-846 Method 3510C, Rev 3", December 1996. Specific method references are as follows:

Analysis	*Method References*
Volatile Organic Compounds (VOCs)	USEPA SW-846 SW8260C
Semi Volatile Organic Compounds (SVOCs)	USEPA SW-846 SW8270D

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-34a, Revision 0, July 2015, Trace Volatile Data Validation;
- SOP Number HW-35a, Revision 0, June 2015, Semivolatile Data Validation;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

- Data Completeness
- Holding times and sample preservation
- Field Duplicate Accuracy
- Internal Standard Area and RT
- Surrogates
- Laboratory Control Sample (LCS) recoveries
- Matric Spike and Matrix Spike Duplicate Samples
- Method and field blank contamination
- Initial and continuing calibration summaries
- Compound Quantitation
- Reporting Limits
- Sample comments and Quality Control Summaries

Overall Usability Issues:

Overall, the data is acceptable for the intended purposes. No analytical or quality issues were noted.

Holding Times

- Holding times were achieved for all analyses.

Field Duplicate Accuracy

- One duplicate was collected for this dataset. DUP-20201230 is the sample duplicate for MW-3-20201230. All relative percent differences were within control limits.

Internal Standard Areas

- All samples exhibited acceptable internal standard values.

Surrogates

- All samples exhibited acceptable surrogate recovery values.

Laboratory Control Samples

- The LCS samples exhibited acceptable percent recoveries.

Matric Spike and Matrix Spike Duplicate (MS/MSD) Samples

- The MS/MSD samples were analyzed on MW-10D-20201228, and percent recoveries are within acceptable limits.

Method and Field Blanks

- The trip and field blanks were free of contamination.
- The method blank had detections of benzo[g,h,i]perylene, dibenz(a,h)anthracene, and indeno[1,2,3-cd]pyrene. All samples were non-detect and no qualification is required.

Initial Calibration

- All recoveries and/or correlation coefficient criteria were met.

Continuing Calibration

- All Percent Drift criteria were met.

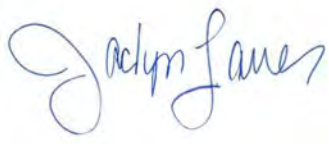
Compound Quantitation

- All sample detections are appropriately qualified as estimated, J, by the laboratory.

Reporting Limits

- MW-1-20201228, MW-8S-20201228, MW-3-20201230, and MW-13S-20201230 were diluted due to foaming at the time of purging during the original sample analysis. Elevated reporting limits are provided.
- All other laboratory reporting limits were met.

Please contact the undersigned if you have any questions or need further information.

Signed:  Dated: February 2, 2021

Jaclyn Lauer, P.E.
Senior Staff Engineer
Brown and Caldwell

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Reason Codes

1	Holding time violation
2	Method blank contamination
3	Surrogate recovery
4	MS/MSD recovery
5	MS/MSD precision outside limits
6	LCS recovery
7	Field blank contamination
8	Field duplicate precision outside limits
9	Other deficiencies (including cooler temperature)
A	Absence of supporting QC
S	ICV, CCV or column performance check problem
Y	Initial and continuing calibration blank problem
M	Interference check samples problem
O	Post digestion spike outside of 85-115%
F	MSA correlation coefficient <0.995, or MSA not done
G	Serial dilution problem
K	DFTPP or BFB tuning problem
Q	Initial calibration problem
X	Internal standard recovery problem
V	Second source standard calibration verification problem
L	Low bias
Z	Retention time problem
N	Counting time error (radionuclide chemistry)
W	Detector instability (radionuclide chemistry)
C	Co-elution of compounds
E	Value exceeds linear calibration range
I	Interferences present during analysis
T	Trace level compound, poor quantitation
P	1C/2C precision outside limits
B	LCS/LCSD precision outside limits
D	Lab Dup/Rep precision outside limits
H	High bias

Appendix E: Evaluation of Potential Impact to River from Site Constituents in Groundwater – December 2020 Data

Appendix E

Evaluation of Potential Impact to River from Site Constituents in Groundwater Patchogue Former MGP Site Patchogue, New York

As described in the Fourth Quarter 2020 Groundwater Monitoring Report, some potentially MGP-related constituents were detected in the shallow groundwater (i.e., the upper ±18 feet) in the vicinity of the ISS mass during the December 2020 sampling event. It is expected these constituents are a result of the short-term disturbance of the subsurface that occurred during implementation of the ISS and, their presence is temporary. Shallow groundwater generally flows from northwest to the south and southeast across the Site toward the Patchogue River (see Figure E-1 for a depiction of shallow groundwater flow). The concentrations of some of the constituents that were detected and potentially mobile in the dissolved phase in groundwater (benzene and ethylbenzene) were below surface water quality criteria listed in the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004) that are applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per 6 NYCRR Part 897). Therefore, they do not have the potential to impact the river. However, the concentration of one or more of seven constituents -- acenaphthene, benzo(a)anthracene, benzo(a)pyrene, fluorene, naphthalene, phenanthrene, and pyrene -- were detected above their respective applicable surface water quality criteria in downgradient monitoring wells proximal to the river (MW-3 and MW-4S). Although it was not anticipated that these constituent concentrations would result in an impact to surface water quality if they discharged to the river, the following analysis was conducted to confirm this. The concentrations of acenaphthene, benzo(a)anthracene, fluorene, naphthalene, and pyrene in the December 2020 samples were similar (within the same order of magnitude) to those in the March, June, and September 2020 samples. Since the estimated surface water concentrations of these five constituents based on the mass flux analyses using the March, June, and September 2020 data were below applicable surface water criteria, an additional estimation of concentrations of these constituents in the river is not necessary. However, due to increased concentrations of benzo(a)pyrene and phenanthrene in MW-3 in the December 2020 samples, an additional analysis was conducted for these constituents.

An analysis was conducted to assess the potential for discharge of site-related constituents in shallow groundwater to impact water quality in the Patchogue River. Noteworthy is that including benzo(a)pyrene in this evaluation is a very conservative measure in that benzo(a)pyrene has a very low aqueous solubility, is not readily mobile in groundwater, and is unlikely to have migrated from the on-Site source area, Moreover, the detection of this constituent in the monitoring locations is likely related to the disturbance of fine or colloid sized particles during purging or sampling activities. These particles are derived from within the well or the soil adjacent to the well that become suspended into the water column of the well as a result of disturbance during purging and sampling activities.

The evaluation was conducted by estimating the rate at which a mass of site-related constituents, dissolved in groundwater, may be contributing to the surface water in the Patchogue River (i.e., the mass flux of constituents from groundwater to surface water). This approach is consistent with that described

in the document entitled "Groundwater Remediation Strategies Tool" (American Petroleum Institute Publication 4730, December 2003). The equation for calculating the mass flux of a constituent is:

$$mf=\Sigma C_i q_i A_i$$

Where: mf = total mass flux of dissolved constituent from the source (µg/sec)

C_i = concentration of the constituent (µg/mL=µg/cm^3)

q_i = specific discharge through the flow area (cm/sec)

where: $q_i=Ki$, with K= hydraulic conductivity (cm/sec) and i=hydraulic gradient (cm/cm)

A_i = flow area perpendicular to flow (cm^2)

where: $A_i=(L)(b)$, with L=width of constituent plume perpendicular to flow and b=plume thickness

In applying this evaluation to the Site, an estimate of mass flux of a constituent (in µg/sec) was calculated for shallow groundwater. The mass flux for the shallow groundwater was calculated across a cross-sectional flow area positioned at the downgradient side of the former MGP site, aligned perpendicular to groundwater flow (which in this case is typically parallel or sub-parallel to the shore line). The vertical dimension of the flow area is equal to the plume thickness (b) within the shallow groundwater. The horizontal dimension of the flow area, L, is equal to the width of the constituent plume, which is based on the isoconcentration contours developed from the results of the December 2020 sampling event (see Figures E-2 and E-3). The concentration of site constituents in the Patchogue River resulting from groundwater discharge was estimated using the following equation:

$$C_R=mf_{sgw}/D_R$$

Where: C_R = Concentration of constituent in the river (µg/L)

mf_{sgw} = Mass flux to the river from shallow groundwater (µg/s)

D_R = Patchogue River volumetric flow (L/s)

To address some of the uncertainties in this evaluation, conservative assumptions were made in the above-described calculations which result in river water concentration estimates that are biased high. These assumptions are as follows:

- The hydraulic gradient (i) of groundwater is variable across the Site and thus, the highest hydraulic gradient value was used in the calculation. The larger the value of i, the greater the calculated value of mass flux.
- The plume thickness (b) was estimated conservatively by using the distance from the top of the water table to the top of the well screen of a deeper well at a well couplet, yet the actual plume thickness may be somewhat less, as site constituents were either not detected or detected at very low levels in the deeper wells positioned adjacent to the river. The larger the value of b, the greater the calculated value of mass flux.
- The river volumetric flow value used to calculate in river concentrations (11.2 ft^3/s or 317 L/s) was derived using a 7Q10 flow analysis (the lowest 7-day average flow that occurs, on average, once every 10 years) for the period April 1, 1958 through March 31, 1968 using data from a USGS river gauging station proximal the Site (USGS 01306000, Patchogue River at Patchogue New York). Thus, it was assumed for this estimate that the flow rate in the river is equal to that during periods of very low flow, and the lower the assumed river flow, the greater the estimated concentration in the river water. For comparison, the mean river flow rate at the same river gauging location using data from 1945 to 1976 is 20.4 ft^3/s (579 L/s). Table E-1 provides the data used to determine the 7Q10 flow

in the Patchogue River. Attachment E-1 presents the data plotted on log probability paper and the resultant 7Q10 flow value.

To screen for potential impacts to the river, the estimated concentrations of benzo(a)pyrene and phenanthrene were calculated using the above-described method and compared to the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004). Listed in the table below are standards and guidance values for benzo(a)pyrene and phenanthrene that are applicable to Class C Fresh Water (no standards have been developed for these compounds).

Class C Fresh Surface Water Standards and Guidance Values

Substance	Water Class (per 6NYCRR Part 701)	Standard (µg/l)	Guidance Value (µg/l)	Protection for:
Benzo(a)pyrene	A, A-S, AA, AA-S, B, C, D	--	0.0012	Human Consumption of Fish
Phenanthrene	A, A-S, AA, AA-S, B, C	--	5.0	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	45	Fish survival

Attachments E-2 and E-3 contain the calculations and results for each of these constituents. The estimated concentrations in the Patchogue River resulting from site groundwater impacts are as follows:

- Benzo(a)pyrene = 0.00008 µg/L
- Phenanthrene = 0.025 µg/L

These conservatively estimated (i.e., biased high) concentrations are below the surface water guidance values listed above, including the lowest guidance value applicable to Class C surface waters. Also, the estimated concentrations are below the analytical laboratory detection limits for these constituents. Based on the evaluation conducted, site-related constituents in shallow groundwater do not impact surface water quality in the Patchogue River.

Tables

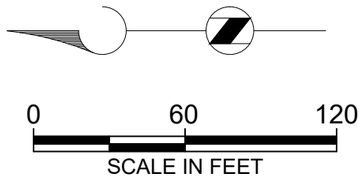
TABLE E-1
SUMMARY OF DATA USED TO CALCULATE 7Q10 FLOW IN PATCHOGUE RIVER
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

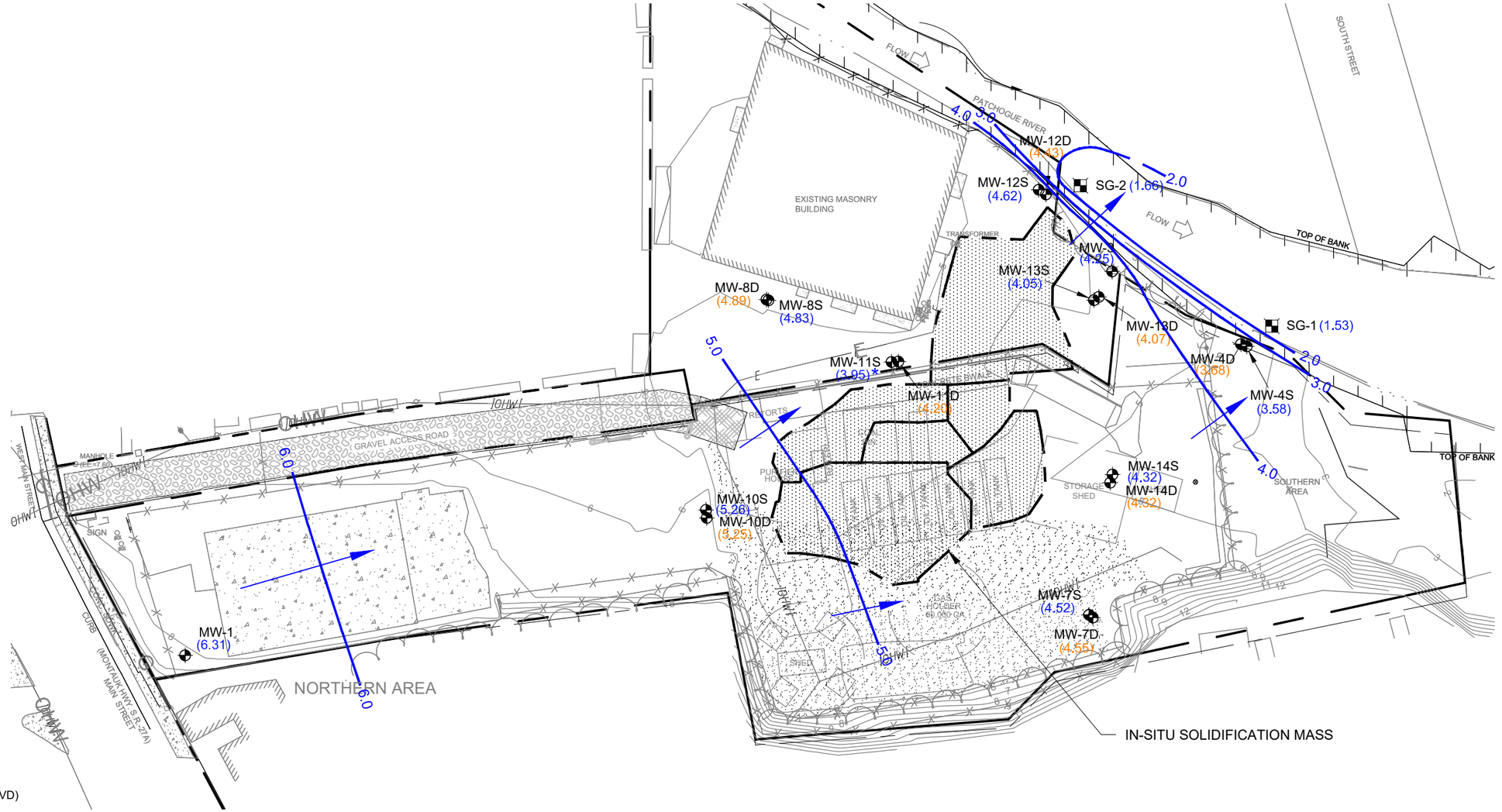
Water Year[(1)]	Low Flow (ft^3/s)	Rank	Probability
1961	20.1	1	0.091
1958	19.1	2	0.182
1960	16.9	3	0.273
1962	16.6	4	0.364
1959	16.0	5	0.455
1967	14.4	6	0.545
1964	13.6	7	0.636
1965	12.9	8	0.727
1963	12.4	9	0.818
1966	11.1	10	0.909

Notes:
(1) - 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through 3/31/1968.

ft^3/s - cubic feet per second

Figures





LEGEND:

- PROPERTY LINE
- FENCE
- 10 — TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- (4.30) GROUNDWATER ELEVATION (FT., NAVD) FROM SHALLOW MONITORING WELL (SCREENED ACROSS OR CLOSE TO WATER TABLE) OR RIVER LEVEL FROM STAFF GAUGE (FT., NAVD).
- (4.34) GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE NOT USED FOR CONTOURING.
- GENERALIZED DIRECTION OF GROUNDWATER FLOW

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: February 2021

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP
DECEMBER 28, 2020

FIGURE

E-1

Path: C:\users\asantiagolbcpw\d0901435 File Name: FIG-1-(GW_Contours_December-2020) Plot Date: February 5, 2021 4:04 PM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LEGEND:

- PROPERTY LINE
- FENCE
- 10 TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 0.1 ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L) - DECEMBER 2020
- 0.10 J BENZO(A)PYRENE CONCENTRATION IN GROUNDWATER (µg/L) - DECEMBER 2020
- ND NOT DETECTED
- J ESTIMATED CONCENTRATION
- 4.0 WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW

LINE OF CROSS-SECTIONAL AREA USED FOR MASS FLUX ESTIMATE

IN-SITU SOLIDIFICATION MASS

NORTHERN AREA

SOUTHERN AREA

MW-1 ND
MW-8D ND
MW-8S ND
MW-10S ND
MW-10D ND
MW-11S 0.16 J
MW-11D ND
MW-12D ND
MW-12S ND
MW-13S ND
MW-13D ND
MW-4D ND
MW-4S ND
MW-14S ND
MW-14D ND
MW-7S ND
MW-7D ND
MW-3 0.40 J
SG-1
SG-2

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: January 2021

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

BENZO(A)PYRENE IN GROUNDWATER DECEMBER, 2020

FIGURE

E-2

Path: C:\users\asantiagobcpw\d09001435 File Name: BenzoApyrene_December2020 Plot Date: February 8, 2021 12:34 PM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LEGEND:

- PROPERTY LINE
- FENCE
- 10 — TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 1 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L) - DECEMBER 2020
- 0.74 — PHENANTHRENE CONCENTRATION IN GROUNDWATER (µg/L) - DECEMBER 2020
- ND — NOT DETECTED
- J — ESTIMATED CONCENTRATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW

LINE OF CROSS-SECTIONAL AREA USED FOR MASS FLUX ESTIMATE

IN-SITU SOLIDIFICATION MASS

NORTHERN AREA

SOUTHERN AREA

MW-1 ND

MW-8D ND

MW-8S ND

MW-10S ND

MW-10D ND

MW-11S 0.74

MW-11D ND

MW-12D ND

MW-12S ND

MW-13D ND

MW-13S 45

MW-14S ND

MW-14D ND

MW-4D ND

MW-4S 0.15 J

MW-7S ND

MW-7D ND

SG-1

SG-2

PATCHOGUE RIVER

WEST MAIN STREET

SOUTH STREET

TOP OF BANK

FFE=5.75'

FFE=5.88'

MASONRY BUILDING

EXISTING MASONRY BUILDING

WOOD FRAME BUILDING

GRAVEL DRIVEWAY/FIRE ACCESS ROAD

CONCRETE SLAB

ASPHALT

GRAVEL

RAILROAD TRACK

Path: C:\users\asantiago\bcpw\d0901435 File Name: Phenanthrene_December2020 Plot Date: February 8, 2021 12:33 PM Cadd User: Alan Santiago

Brown AND Caldwell	SCALE: 1" = 60' 153021 DATE: January 2021	NATIONAL GRID PATCHOGUE FORMER MGP SITE VILLAGE OF PATCHOGUE, NEW YORK

PHENANTHRENE IN GROUNDWATER (µg/L)
DECEMBER, 2020

FIGURE
E-3

Attachments

probability x 2 log cycles

RECURRENCE INTERVAL (yrs)

1.1 2 5 10

99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

11.2 ft³/s

YEARLY 7 CONSECUTIVE DAY FLOW (ft³/s)

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99

PROBABILITY OF LARGER FLOW (%)

ATTACHMENT E-2
MASS FLUX CALCULATIONS - BENZO(A)PYRENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Benzo(a)pyrene (December 2020) **Figure No.** See Figure E-2

$mf = kiA * C$

Where:
- mf = mass flux, µg/s
- k = hydraulic conductivity, cm/s
- I = hydraulic gradient, dimensionless
- A = cross-sectional area, $cm^{2\,(L * b)}$
- C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

0.1-0.1 Contour

						Contour Interval	Geomean	Segment Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	0.1			
i =	0.15	hydraulic gradient, dimensionless			Measured in vicinity of selected contours				
C=	0.1	µg/L =	0.0001	µg/cm^3	Geometric mean concentration between selected contours	0.1	0.10	16	18
L =	16	ft =	487.68	cm	Length of segment between selected contours [C]				
b =	18	ft =	548.64	cm	Saturated thickness				
mf =	2.5E-02	µg/s	7.7E-01	g/yr	0.00170 lbs/yr				
mf_{sgw} =	0.02450	µg/s	0.773	g/yr	0.00170 lbs/yr				

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
- D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
- mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.00008 µg/L

ATTACHMENT E-3
MASS FLUX CALCULATIONS - PHENANTHRENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Phenanthrene (December 2020) **Figure No.** See Figure E-3

$mf = kiA * C$

Where:
- mf = mass flux, µg/s
- k = hydraulic conductivity, cm/s
- I = hydraulic gradient, dimensionless
- A = cross-sectional area, $cm^{2\,(L * b)}$
- C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

0.1-1 Contour

							Contour Interval	Geomean	Segment Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells		0.1			
i =	0.15	hydraulic gradient, dimensionless			Measured in vicinity of selected contours					
C=	0.316227766	µg/L =	0.000316228	µg/cm^3	Geometric mean concentration between selected contours		1	0.32	35	18
L =	35	ft =	1066.8	cm	Length of segment between selected contours [C]		10	3.16	67	18
b =	18	ft =	548.64	cm	Saturated thickness		13	11.40	26	18
mf =	1.7E-01	µg/s	5.3E+00	g/yr	0.01176	lbs/yr				

1-10 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	
i =	0.15	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	
C=	3.16	µg/L =	0.003162278	µg/cm^3	Geometric mean concentration between selected contours	
L =	67	ft =	2042.16	cm	Length of segment between selected contours [C]	
b =	18	ft =	548.64	cm	Saturated thickness	
mf =	3.2E+00	µg/s	1.0E+02	g/yr	0.2251	lbs/yr

10-13 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	
i =	0.15	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	
C=	11.40	µg/L =	0.011401754	µg/cm^3	Geometric mean concentration between selected contours	
L =	26	ft =	792.48	cm	Length of segment between selected contours [C]	
b =	18	ft =	548.64	cm	Saturated thickness	
mf =	4.5E+00	µg/s	1.4E+02	g/yr	0.3150	lbs/yr
mf_{sgw} =	7.95	µg/s	251	g/yr	0.552	lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
- D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
- mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.025 µg/L

Appendix F: Evaluation of Potential Impact to River from Site Constituents in Groundwater – March, June and September 2020 Data

Appendix F

Evaluation of Potential Impact to River from Site Constituents in Groundwater Patchogue Former MGP Site Patchogue, New York

As described in the First Quarter 2020 Groundwater Monitoring Report, some potentially MGP-related constituents were detected in the shallow groundwater (i.e., the upper ±18 feet) in the vicinity of the ISS mass during the first groundwater monitoring event following implementation of the site remedy. It is expected these constituents are a result of the short-term disturbance of the subsurface that occurred during implementation of the ISS and, their presence is temporary. Shallow groundwater generally flows from northwest to the south and southeast across the Site toward the Patchogue River (see Figure F-1 for a depiction of shallow groundwater flow). The concentrations of most of the constituents that were detected and potentially mobile in the dissolved phase in groundwater (benzene, ethylbenzene, xylenes and naphthalene) were below surface water quality criteria listed in the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004) that are applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per 6 NYCRR Part 897). Therefore, they do not have the potential to impact the river. However, the concentration in groundwater of three potentially mobile constituents (acenaphthene, fluorene and pyrene) were slightly above their respective applicable surface water quality criteria. Although it was not anticipated that these constituent concentrations would result in an impact to surface water quality if they discharged to the river, the following analysis was conducted to confirm this.

An analysis was conducted to assess the potential for discharge of site-related constituents in shallow groundwater to impact water quality in the Patchogue River. The evaluation was conducted by estimating the rate at which a mass of site-related constituents, dissolved in groundwater, may be contributing to the surface water in the Patchogue River (i.e., the mass flux of constituents from groundwater to surface water). This approach is consistent with that described in the document entitled "Groundwater Remediation Strategies Tool" (American Petroleum Institute Publication 4730, December 2003). The equation for calculating the mass flux of a constituent is:

$$mf = \Sigma C_i q_i A_i$$

Where: mf = total mass flux of dissolved constituent from the source (µg/sec)

C_i = concentration of the constituent (µg/mL=µg/cm^3)

q_i = specific discharge through the flow area (cm/sec)

where: $q_i = Ki$, with K= hydraulic conductivity (cm/sec) and i=hydraulic gradient (cm/cm)

A_i = flow area perpendicular to flow (cm^2)

where: $A_i = (L)(b)$, with L=width of constituent plume perpendicular to flow and b=plume thickness

In applying this evaluation to the Site, an estimate of mass flux of a constituent (in µg/sec) was calculated shallow groundwater. The mass flux for the shallow groundwater was calculated across a cross-sectional flow area positioned at the downgradient side of the former MGP site, aligned perpendicular to groundwater flow (which in this case is typically parallel or sub-parallel to the shore line). The vertical dimension of the flow area is equal to the plume thickness (b) within the shallow groundwater. The horizontal dimension of the flow area, L, is equal to the width of the constituent plume, which is based on the isoconcentration contours developed from the results of the March 2020 sampling event (see Figures F-2 through F-4). The concentration of site constituents in the Patchogue River resulting from groundwater discharge was estimated using the following equation:

$$C_R = mf_{sgw}/D_R$$

Where: C_R = Concentration of constituent in the river (µg/L)

mf_{sgw} = Mass flux to the river from shallow groundwater (µg/s)

D_R = Patchogue River volumetric flow (L/s)

To address some of the uncertainties in this evaluation, conservative assumptions were made in the above-described calculations which result in river water concentration estimates that are biased high. These assumptions are as follows:

- The hydraulic gradient (i) of groundwater is variable across the Site and thus, the highest hydraulic gradient value was used in the calculation. The larger the value of i, the greater the calculated value of mass flux.
- The plume thickness (b) was estimated conservatively by using the distance from the top of the water table to the top of the well screen of a deeper well at a well couplet, yet the actual plume thickness may be somewhat less, as site constituents were either not detected or detected at very low levels in the deeper wells positioned adjacent to the river. The larger the value of b, the greater the calculated value of mass flux.
- The river volumetric flow value used to calculate in river concentrations (11.2 ft^3/s or 317 L/s) was derived using a 7Q10 flow analysis (the lowest 7-day average flow that occurs, on average, once every 10 years) for the period April 1, 1958 through March 31, 1968 using data from a USGS river gauging station proximal the Site (USGS 01306000, Patchogue River at Patchogue New York). Thus, it was assumed for this estimate that the flow rate in the river is equal to that during periods of very low flow, and the lower the assumed river flow, the greater the estimated concentration in the river water. For comparison, the mean river flow rate at the same river gauging location using data from 1945 to 1976 is 20.4 ft^3/s (579 L/s). Table F-1 provides the data used to determine the 7Q10 flow in the Patchogue River. Attachment F-1 presents the data plotted on log probability paper and the resultant 7Q10 flow value.

To screen for potential impacts to the river, the estimated concentrations of acenaphthene, fluorene and pyrene were developed using the above-described method and compared to the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004). Listed in the table below are standards and guidance values for acenaphthene, fluorene and pyrene that are applicable to the various classes of fresh water.

Fresh Surface Water Standards and Guidance Values

Substance	Water Class (per 6NYCRR Part 701)	Standard (µg/l)	Guidance Value (µg/l)	Protection for:
Acenaphthene	A, A-S, AA, AA-S, B, C	--	5.3	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	48	Fish survival
	A, A-S, AA, AA-S	20	--	Aesthetics
Fluorene	A, A-S, AA, AA-S	--	50	Drinking water source
	A, A-S, AA, AA-S, B, C	--	0.54	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	4.8	Fish survival
Pyrene	A, A-S, AA, AA-S	--	50	Drinking water source
	A, A-S, AA, AA-S, B, C	--	4.6	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	42	Fish survival

Attachments F-2 through F-4 contain the calculations and results for each of these constituents. The estimated concentrations in the Patchogue River resulting from site groundwater impacts are as follows:

- Acenaphthene = 0.0033 µg/L
- Fluorene = 0.00050 µg/L
- Pyrene = 0.00127 µg/L

These conservatively-estimated (i.e., biased high) concentrations are three orders of magnitude below the surface water standards and guidance values listed above, including the lowest standard applicable to Class C surface waters. Also, the estimated concentration of fluorene is below the analytical laboratory detection limits for this constituent. Based on the evaluation conducted, site-related constituents in shallow groundwater do not impact surface water quality in the Patchogue River.

Tables

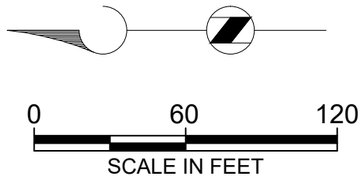
TABLE F-1
SUMMARY OF DATA USED TO CALCULATE 7Q10 FLOW IN PATCHOGUE RIVER
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

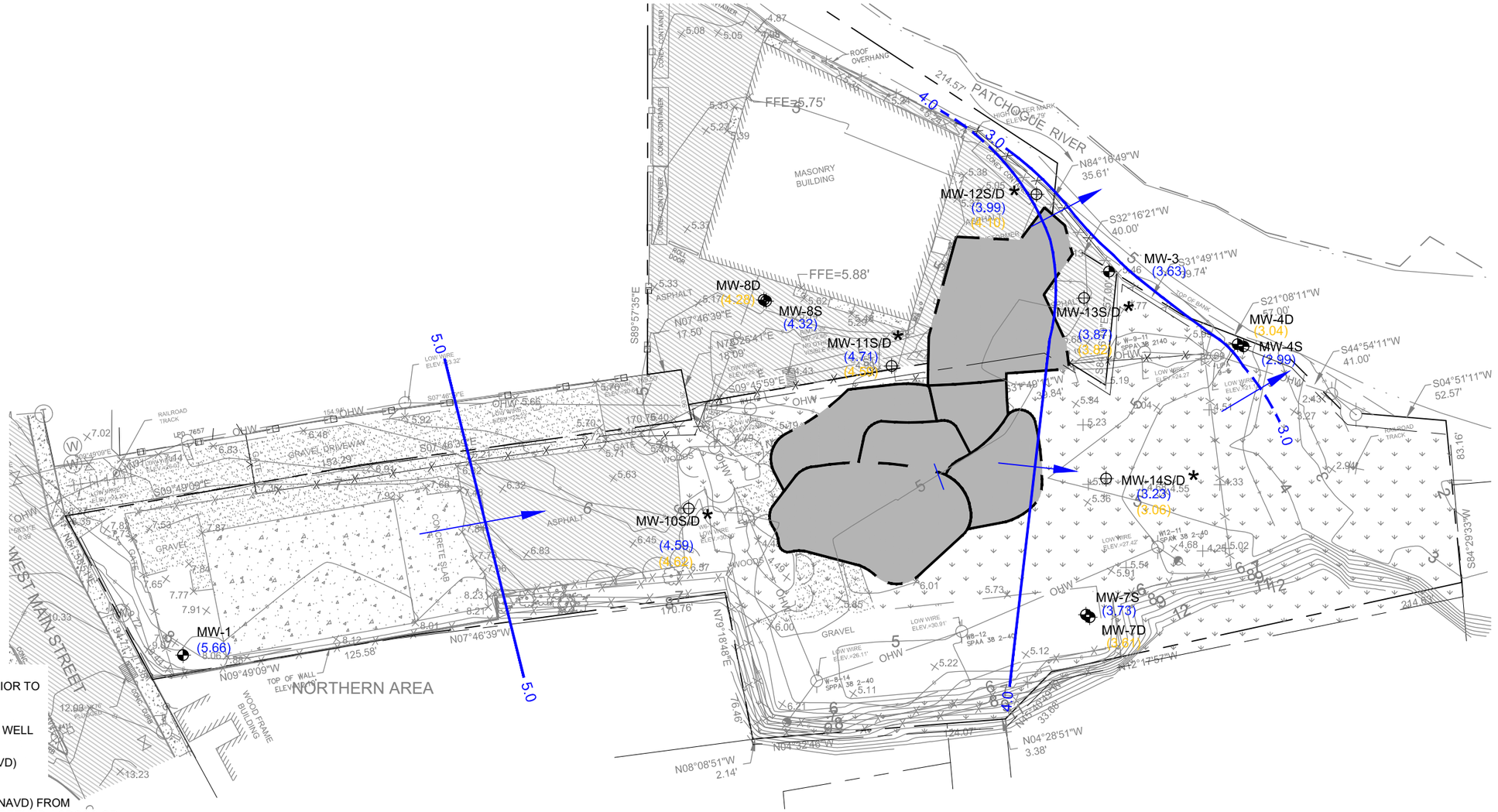
Water Year[(1)]	Low Flow (ft^3/s)	Rank	Probability
1961	20.1	1	0.091
1958	19.1	2	0.182
1960	16.9	3	0.273
1962	16.6	4	0.364
1959	16.0	5	0.455
1967	14.4	6	0.545
1964	13.6	7	0.636
1965	12.9	8	0.727
1963	12.4	9	0.818
1966	11.1	10	0.909

Notes:
(1) - 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through 3/31/1968.

ft^3/s - cubic feet per second

Figures





LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL INSTALLED PRIOR TO REMEDIATION
- POST-REMEDIATION MONITORING WELL
- 4 — WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- (3.87) — GROUNDWATER ELEVATION (FT., NAVD) FROM SHALLOW MONITORING WELL (SCREENED ACROSS OR CLOSE TO WATER TABLE)
- (3.06) — GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE NOT USED FOR CONTOURING.
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- * — HORIZONTAL LOCATION AND POSTED GROUNDWATER ELEVATION DATA IS APPROXIMATE, AS SURVEYING OF WELLS WILL BE PERFORMED FOLLOWING COMPLETION OF FINAL SITE RESTORATION ACTIVITIES.

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: May 6, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP
MARCH 17, 2020

FIGURE

F-1

Path: \\bcusrfp01\Projects\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-1(Mar2020) Plot Date: May 6, 2020 7:32 AM Cadd User: Alan Santiago

Path: \\bcusrfp01\Projects\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-E_2_acenaphthene_March2020 Plot Date: May 29, 2020 10:20 AM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL INSTALLED PRIOR TO REMEDIATION
- POST-REMEDIATION MONITORING WELL
- 4 — WATER TABLE CONTOUR (FT., NAVD) - MARCH 17, 2020 DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- 1 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L)
- 12 — ACENAPHTHENE CONCENTRATION IN GROUNDWATER (µg/L) - MARCH 2020
- J — ESTIMATED CONCENTRATION
- ND — NOT DETECTED

LINE OF CROSS-SECTIONAL AREA FOR MASS FLUX ESTIMATE

MW-1 ND

MW-3 5

MW-4D 0.01J

MW-4S 12

MW-7D ND

MW-7S 0.08

MW-8D ND

MW-8S 0.09

MW-10S/D ND ND

MW-11S/D 56 0.06

MW-12S/D 0.10 ND

MW-13S/D 36 ND

MW-14S/D 0.4 ND

PATCHOGUE RIVER

WEST MAIN STREET

NORTHERN AREA

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell	SCALE: 1" = 60' 153021 DATE: May 6, 2020	NATIONAL GRID PATCHOGUE FORMER MGP SITE VILLAGE OF PATCHOGUE, NEW YORK	ACENAPHTHENE IN GROUNDWATER MARCH 2020

FIGURE

F-2

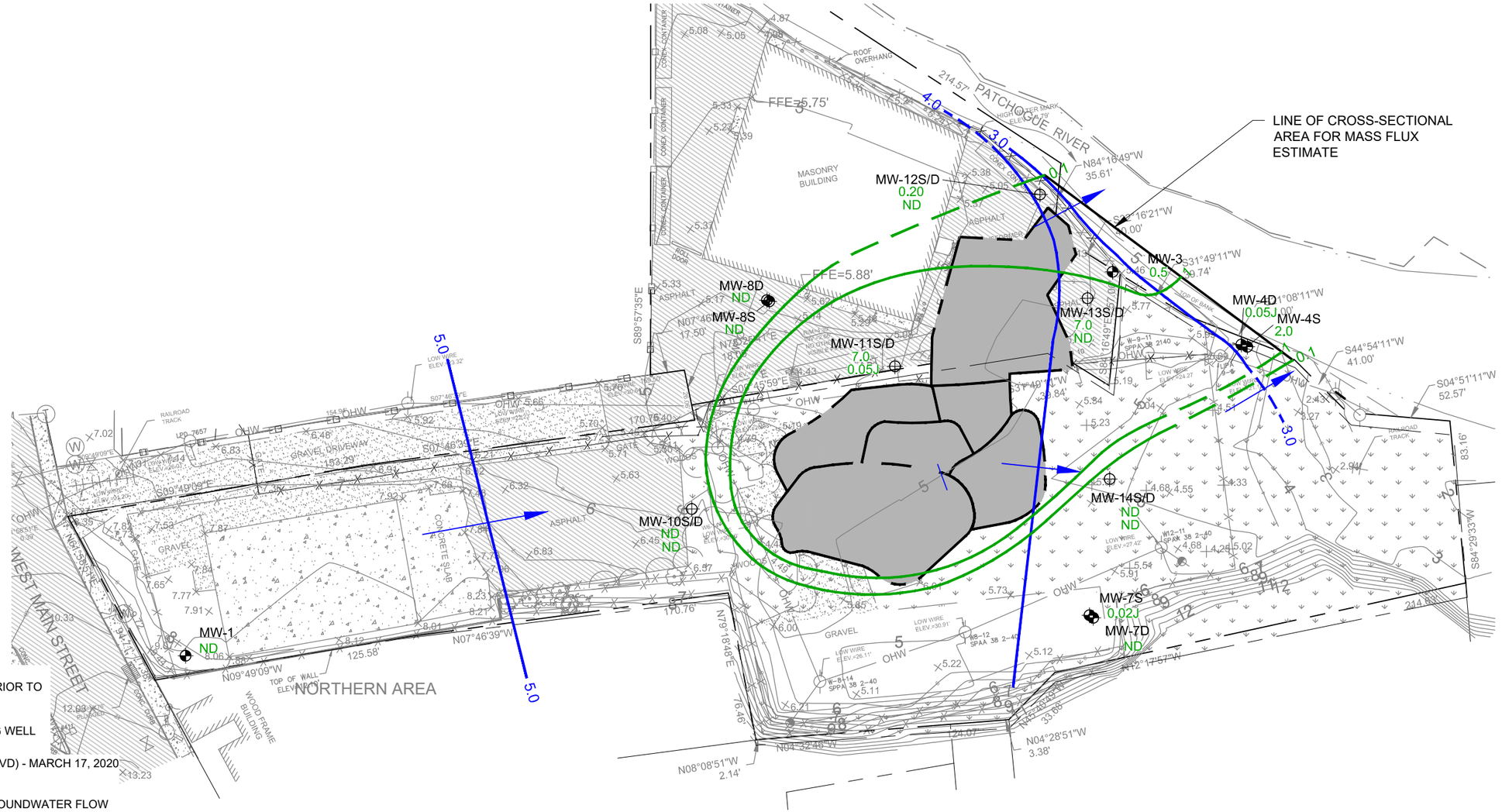
Path: \\bcusrfp01\Projects\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-E_3_fluorene_March2020 Plot Date: May 29, 2020 10:23 AM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL INSTALLED PRIOR TO REMEDIATION
- POST-REMEDIATION MONITORING WELL
- 4 — WATER TABLE CONTOUR (FT., NAVD) - MARCH 17, 2020 DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- 1 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L)
- 0.5 — FLUORENE CONCENTRATION IN GROUNDWATER (µg/L) - MARCH 2020
- J — ESTIMATED CONCENTRATION
- ND — NOT DETECTED



NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: May 6, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

FLUORENE IN GROUNDWATER MARCH 2020

FIGURE

F-3

Path: \\bcusrfp01\Projects\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-E_4_pyrene_March2020 Plot Date: May 29, 2020 10:21 AM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LEGEND:

- PROPERTY LINE
- x x FENCE
- 10 TOPOGRAPHIC CONTOUR
- MONITORING WELL INSTALLED PRIOR TO REMEDIATION
- POST-REMEDIATION MONITORING WELL
- 4 WATER TABLE CONTOUR (FT., NAVD) - MARCH 17, 2020 DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- 1 ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L)
- 5.0 PYRENE CONCENTRATION IN GROUNDWATER (µg/L) - MARCH 2020
- J ESTIMATED CONCENTRATION
- ND NOT DETECTED

NOTES:
1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell	SCALE: 1" = 60' 153021 DATE: May 6, 2020	NATIONAL GRID PATCHOGUE FORMER MGP SITE VILLAGE OF PATCHOGUE, NEW YORK	PYRENE IN GROUNDWATER MARCH 2020	FIGURE F-4

Attachments

probability x 2 log cycles

RECURRENCE INTERVAL (yrs)

1.1 2 5 10

99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

11.2 ft³/s

YEARLY 7 CONSECUTIVE DAY FLOW (ft³/s)

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99

PROBABILITY OF LARGER FLOW (%)

ATTACHMENT F-2
MASS FLUX CALCULATIONS - ACENAPHTHENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Acenaphthene (March 2020) **Figure No.** See Figure F-2

$mf = kiA * C$

Where:
mf = mass flux, µg/s
k = hydraulic conductivity, cm/s
I = hydraulic gradient, dimensionless
A = cross-sectional area, $cm^{2\,(L * b)}$
C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

0.1-1 Contour

						Contour Interval	Geomean	Segment Length	Segment Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	0.1			
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	1	0.32	36	18
C=	0.316227766	µg/L =	0.000316228	µg/cm^3	Geometric mean concentration between selected contours	10	3.16	90	18
L =	36	ft =	1097.28	cm	Length of segment between selected contours [C]	12	10.95	45	18
b =	18	ft =	548.64	cm	Saturated thickness				
mf =	1.5E-02	µg/s	4.8E-01	g/yr	0.00105 lbs/yr				

1-10 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	3.16	µg/L =	0.003162278	µg/cm^3	Geometric mean concentration between selected contours
L =	90	ft =	2743.2	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	3.8E-01	µg/s	1.2E+01	g/yr	0.0262 lbs/yr

10-12 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	10.95	µg/L =	0.010954451	µg/cm^3	Geometric mean concentration between selected contours
L =	45	ft =	1371.6	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	6.5E-01	µg/s	2.1E+01	g/yr	0.045 lbs/yr
mf_{sgw} =	1	µg/s	33	g/yr	0.1 lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.0033 µg/L

ATTACHMENT F-3
MASS FLUX CALCULATIONS - FLUORENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Fluorene (March 2020) **Figure No.** See Figure F-3

$mf = kiA * C$

Where:
- mf = mass flux, µg/s
- k = hydraulic conductivity, cm/s
- I = hydraulic gradient, dimensionless
- A = cross-sectional area, $cm^{2\,(L * b)}$
- C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

0.1-1 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	**Contour Interval**	**Geomean**
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	0.1	
C=	0.316227766	µg/L =	0.000316228	µg/cm^3	Geometric mean concentration between selected contours	1	0.32
L =	90	ft =	2743.2	cm	Length of segment between selected contours [C]	2	1.41
b =	18	ft =	548.64	cm	Saturated thickness		

Segment Length	**Thickness**
90	18
65	18

mf =	3.8E-02	µg/s	1.2E+00	g/yr	0.00262 lbs/yr

1-2 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	1.41	µg/L =	0.001414214	µg/cm^3	Geometric mean concentration between selected contours
L =	65	ft =	1981.2	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness

mf =	1.2E-01	µg/s	3.8E+00	g/yr	0.0085 lbs/yr
mf_{sgw} =	0	µg/s	5	g/yr	0.0 lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
- D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
- mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.00050 µg/L

ATTACHMENT F-4
MASS FLUX CALCULATIONS - PYRENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Pyrene (March 2020) **Figure No.** See Figure F-4

$mf = kiA * C$

Where:
- mf = mass flux, µg/s
- k = hydraulic conductivity, cm/s
- I = hydraulic gradient, dimensionless
- A = cross-sectional area, $cm^{2\,(L * b)}$
- C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

0.1-1 Contour

								Contour Interval	Geomean	Segment Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells			0.1			
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours			1	0.32	38	18
C=	0.316227766	µg/L =	0.000316228	µg/cm^3	Geometric mean concentration between selected contours			5	2.24	130	18
L =	38	ft =	1158.24	cm	Length of segment between selected contours [C]						
b =	18	ft =	548.64	cm	Saturated thickness						
mf =	1.6E-02	µg/s	5.0E-01	g/yr	0.00111	lbs/yr					

1-5 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells		
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours		
C=	2.24	µg/L =	0.002236068	µg/cm^3	Geometric mean concentration between selected contours		
L =	130	ft =	3962.4	cm	Length of segment between selected contours [C]		
b =	18	ft =	548.64	cm	Saturated thickness		
mf =	3.9E-01	µg/s	1.2E+01	g/yr	0.0268	lbs/yr	
mf_{sgw} =	0	µg/s	13	g/yr	0.0	lbs/yr	

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
- D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
- mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.00127 µg/L

Appendix G

Evaluation of Potential Impact to River from Site Constituents in Groundwater Patchogue Former MGP Site Patchogue, New York

As described in the Second Quarter 2020 Groundwater Monitoring Report, some potentially MGP-related constituents were detected in the shallow groundwater (i.e., the upper ±18 feet) in the vicinity of the ISS mass during the second groundwater monitoring event following implementation of the site remedy. It is expected these constituents are a result of the disturbance of the subsurface that occurred during implementation of the ISS and, their presence is temporary. Shallow groundwater generally flows from northwest to the south and southeast across the Site toward the Patchogue River (see Figure G-1 for a depiction of shallow groundwater flow). The concentrations of most of the constituents that were detected and potentially mobile in the dissolved phase in groundwater (benzene and ethylbenzene) were below surface water quality criteria listed in the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004) that are applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per 6 NYCRR Part 897). Therefore, they do not have the potential to impact the water quality in the river. However, the concentration in groundwater of four potentially mobile constituents (acenaphthene, fluorene, naphthalene and pyrene) were above their respective applicable surface water quality criteria. Although it was not anticipated that these constituent concentrations would result in an impact to surface water quality if they discharged to the river, a mass flux analysis was conducted to confirm this. The concentrations of acenaphthene, fluorene and pyrene in the June 2020 samples were similar (within the same order of magnitude) to those in the March 2020 samples. Since the estimated surface water concentrations of these three constituents based on the mass flux analysis using the March 2020 data (see Appendix F) were three orders of magnitude below applicable surface water criteria, an additional estimation of concentrations of these constituents in the river is not necessary, and the analysis discussed herein was conducted for naphthalene only.

An analysis was conducted to assess the potential for discharge of naphthalene in shallow groundwater to impact water quality in the Patchogue River. The evaluation was conducted by estimating the rate at which a mass of naphthalene, dissolved in groundwater, may be contributing to the surface water in the Patchogue River (i.e., the mass flux of constituents from groundwater to surface water). This approach is consistent with that described in the document entitled "Groundwater Remediation Strategies Tool" (American Petroleum Institute Publication 4730, December 2003). The equation for calculating the mass flux of a constituent is:

$$mf=\Sigma\ C_i q_i A_i$$

Where: mf = total mass flux of dissolved constituent from the source (µg/sec)

C_i = concentration of the constituent (µg/mL=µg/cm^3)

q_i = specific discharge through the flow area (cm/sec)

where: $q_i=Ki$, with K= hydraulic conductivity (cm/sec) and i=hydraulic gradient (cm/cm)

A_i = flow area perpendicular to flow (figure cm^2)

where: $A_i=(L)(b)$, with L=width of constituent plume perpendicular to flow and b=plume thickness

In applying this evaluation to the Site, an estimate of mass flux of a constituent (in µg/sec) was calculated for shallow groundwater. The mass flux for the shallow groundwater was calculated across a cross-sectional flow area positioned at the downgradient side of the former MGP site, aligned perpendicular to groundwater flow (which in this case is typically parallel or sub-parallel to the shore line). The vertical dimension of the flow area is equal to the plume thickness (b) within the shallow groundwater. The horizontal dimension of the flow area, L, is equal to the width of the constituent plume, which is based on the isoconcentration contours developed from the results of the June 2020 sampling event (see Figure G-2). The concentration of site constituents in the Patchogue River resulting from groundwater discharge was estimated using the following equation:

$$C_R=mf_{sgw}/D_R$$

Where: C_R = Concentration of constituent in the river (µg/L)

mf_{sgw} = Mass flux to the river from shallow groundwater (µg/s)

D_R = Patchogue River volumetric flow (L/s)

To address some of the uncertainties in this evaluation, conservative assumptions were made in the above-described calculations which result in river water concentration estimates that are biased high. These assumptions are as follows:

- The hydraulic gradient (i) of groundwater is variable across the Site and thus, the highest hydraulic gradient value was used in the calculation. The larger the value of i, the greater the calculated value of mass flux.
- The plume thickness (b) was estimated conservatively by using the distance from the top of the water table to the top of the well screen of a deeper well at a well couplet, yet the actual plume thickness may be somewhat less, as site constituents were either not detected or detected at very low levels in the deeper wells positioned adjacent to the river. The larger the value of b, the greater the calculated value of mass flux.
- The river volumetric flow value used to calculate in river concentrations (11.2 ft^3/s or 317 L/s) was derived using a 7Q10 flow analysis (the lowest 7-day average flow that occurs, on average, once every 10 years) for the period April 1, 1958 through March 31, 1968 using data from a USGS river gauging station proximal the Site (USGS 01306000, Patchogue River at Patchogue New York). Thus, it was assumed for this estimate that the flow rate in the river is equal to that during periods of very low flow, and the lower the assumed river flow, the greater the estimated concentration in the river water. For comparison, the mean river flow rate at the same river gauging location using data from 1945 to 1976 is 20.4 ft^3/s (579 L/s). Table G-1 provides the data used to determine the 7Q10 flow in the Patchogue River. Attachment G-1 presents the data plotted on log probability paper and the resultant 7Q10 flow value.

To screen for potential impacts to the river, the estimated concentration of naphthalene was calculated using the above-described method and compared to the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004). Listed in the table below are standards and guidance values for naphthalene that are applicable to the various classes of fresh water.

Fresh Surface Water Standards and Guidance Values

Substance	Water Class (per 6NYCRR Part 701)	Standard (µg/l)	Guidance Value (µg/l)	Protection for:
Naphthalene	A, A-S, AA, AA-S, B, C	--	13	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	110	Fish survival
	A, A-S, AA, AA-S	10	--	Aesthetics

Attachment G-2 contains the calculations and results for this constituent. The estimated concentration of naphthalene in the Patchogue River resulting from site groundwater impacts is 0.0197 µg/L. This conservatively-estimated (i.e., biased high) concentration is three orders of magnitude below the surface water standards and guidance values listed above, including the lowest standard applicable to Class C surface waters. Also, the estimated concentration is below the analytical laboratory detection limits for this constituent. Based on the evaluation conducted, site-related constituents in shallow groundwater do not impact surface water quality in the Patchogue River.

Tables

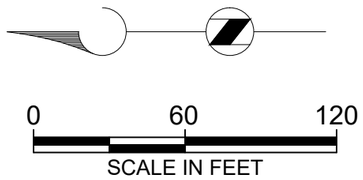
TABLE G-1
SUMMARY OF DATA USED TO CALCULATE 7Q10 FLOW IN PATCHOGUE RIVER
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

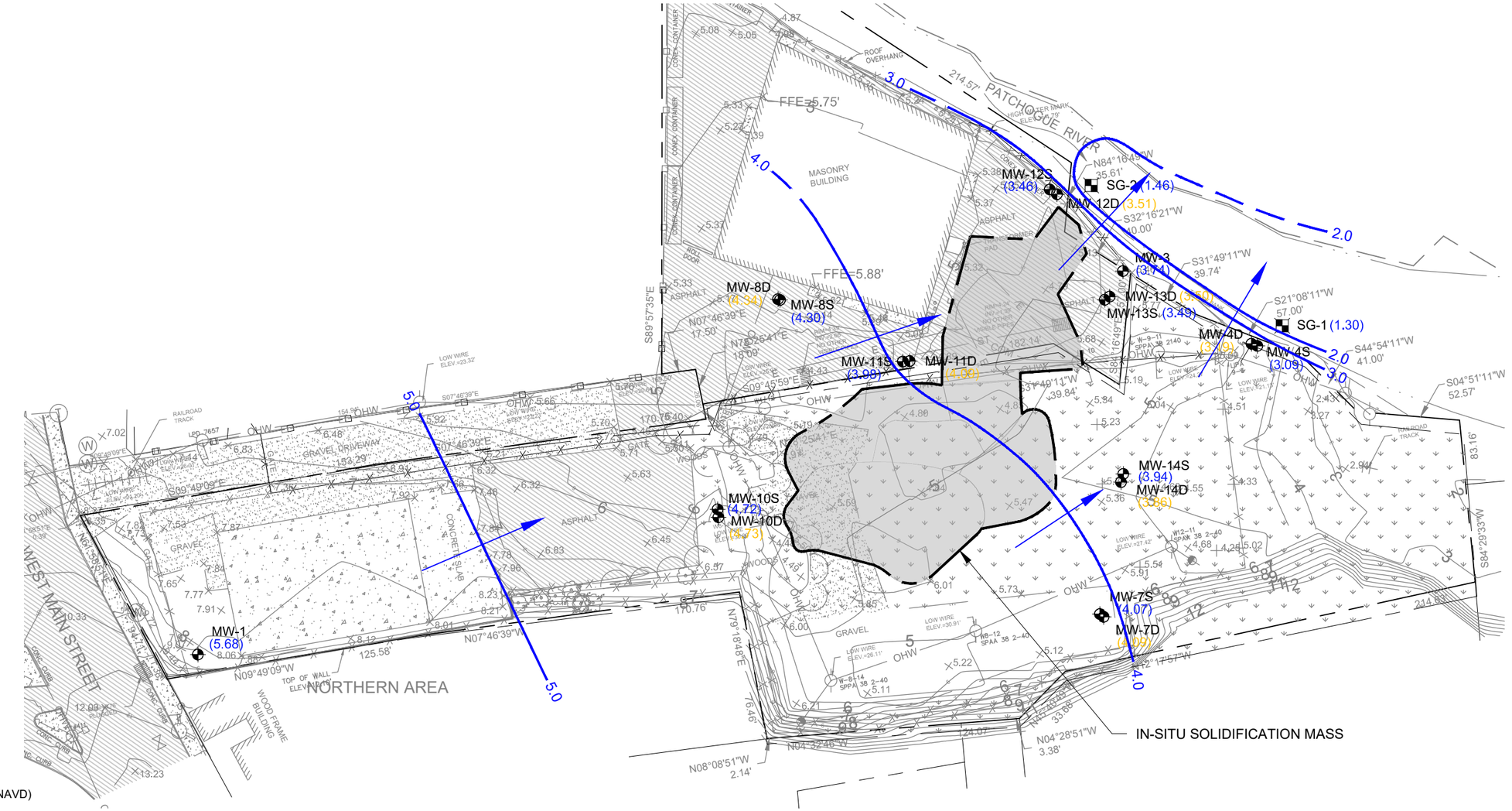
Water Year[(1)]	Low Flow (ft^3/s)	Rank	Probability
1961	20.1	1	0.091
1958	19.1	2	0.182
1960	16.9	3	0.273
1962	16.6	4	0.364
1959	16.0	5	0.455
1967	14.4	6	0.545
1964	13.6	7	0.636
1965	12.9	8	0.727
1963	12.4	9	0.818
1966	11.1	10	0.909

Notes:
(1) - 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through 3/31/1968.

ft^3/s - cubic feet per second

Figures





LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- (4.30) — GROUNDWATER ELEVATION (FT., NAVD) FROM SHALLOW MONITORING WELL (SCREENED ACROSS OR CLOSE TO WATER TABLE) OR RIVER LEVEL FROM STAFF GAUGE (FT., NAVD).
- (4.34) — GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE NOT USED FOR CONTOURING.
- GENERALIZED DIRECTION OF GROUNDWATER FLOW

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: July 29, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP
JUNE 29, 2020

FIGURE

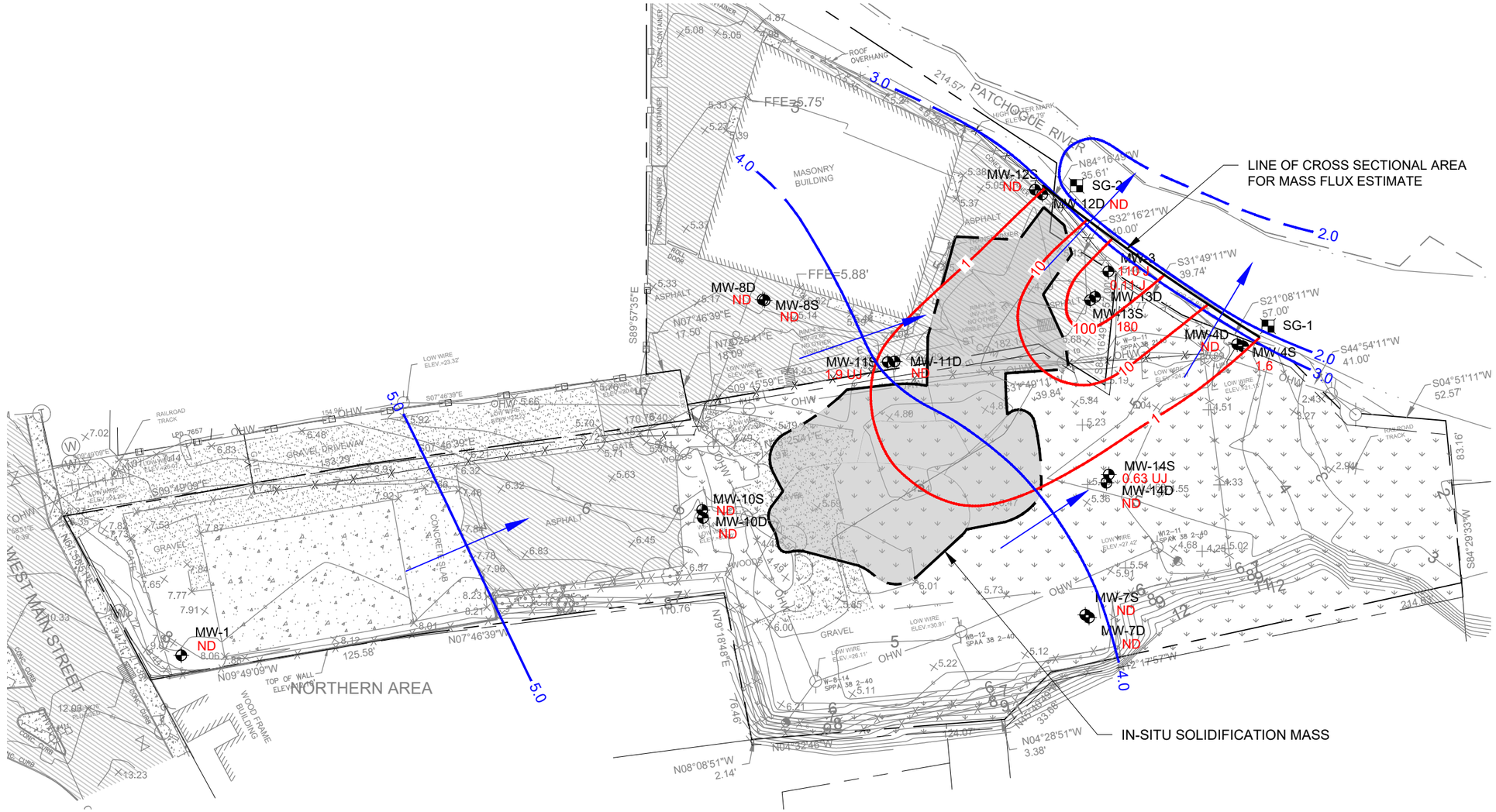
G-1

Path: P:\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-1-(June-2020) Plot Date: September 16, 2020 1:43 PM Cadd User: Robert Near

Path: P:\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-2_acenaphthene(June2020) Plot Date: September 16, 2020 1:43 PM Cadd User: Robert Near

0 60 120

SCALE IN FEET



LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- 10 — ISOCONCENTRATION CONTOUR. LOGARITHMIC CONTOUR INTERVAL (µg/L)
- 1.6 — NAPHTHALENE CONCENTRATION IN GROUNDWATER (µg/L) - JUNE 2020
- J — ESTIMATED CONCENTRATION
- ND — NOT DETECTED

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: September 11, 2020

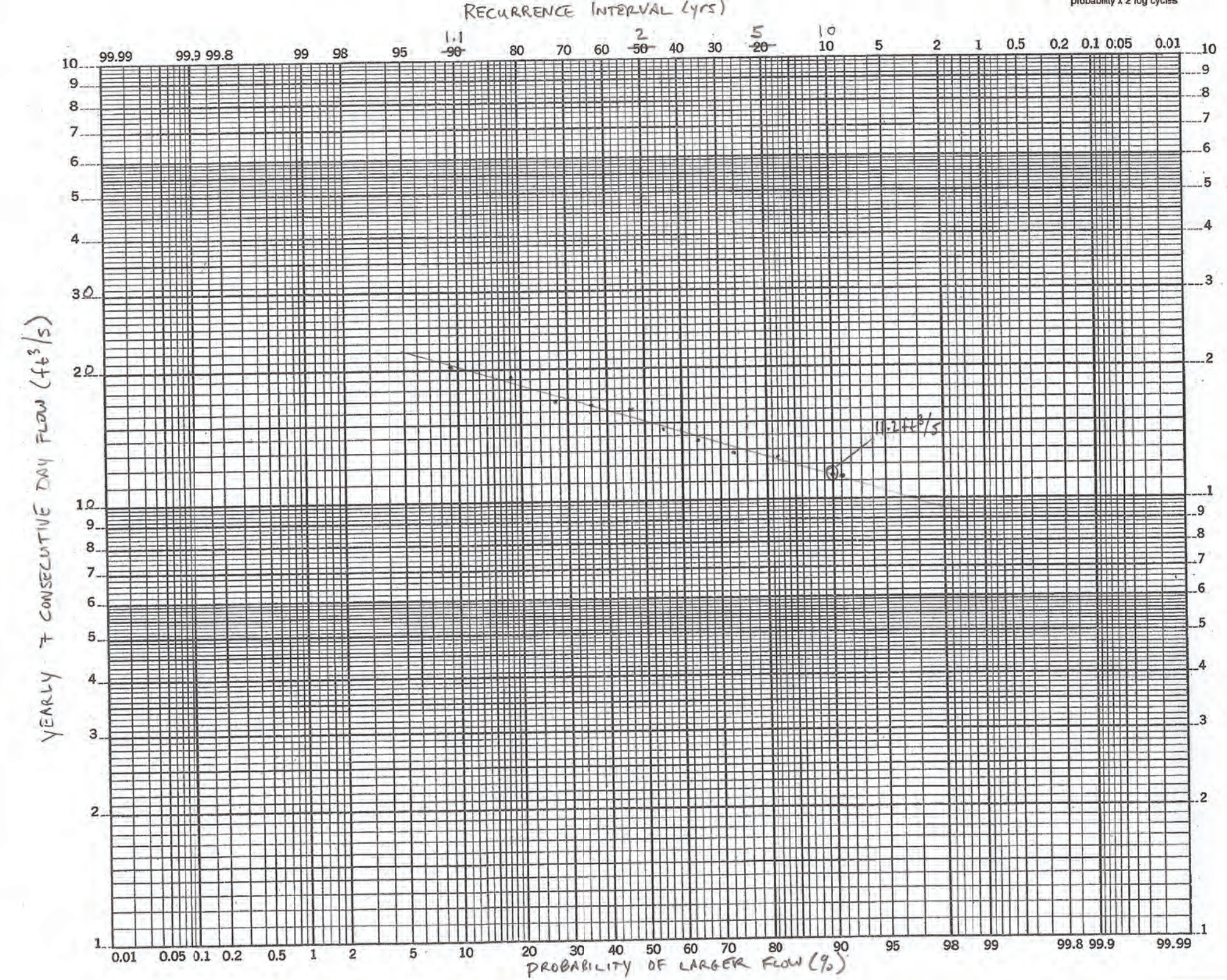
NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

NAPHTHALENE IN GROUNDWATER JUNE 2020

FIGURE

G-2

Attachments


RECURRENCE INTERVAL (yrs)
1.1
2
5
10
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01
YEARLY 7 CONSECUTIVE DAY FLOW (ft³/s)
11.2 ft³/s
0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99
PROBABILITY OF LARGER FLOW (%)

ATTACHMENT G-2
MASS FLUX CALCULATIONS - NAPHTHALENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Naphthalene (June 2020) **Figure No.** See Figure G-2

$mf = kiA * C$

Where:
mf = mass flux, µg/s
k = hydraulic conductivity, cm/s
I = hydraulic gradient, dimensionless
A = cross-sectional area, $cm^{2\,(L * b)}$
C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

1-10 Contour

						Contour Interval	Geomean	Segment Length	Segment Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells				
i =	0.014	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	1			
C=	3.16	µg/L =	0.00316	µg/cm^3	Geometric mean concentration between selected contours	10	3.16	66	18
L =	66	ft =	2011.68	cm	Length of segment between selected contours [C]	100	31.62	32	18
b =	18	ft =	548.64	cm	Saturated thickness	110	104.88	30	18
mf =	3.0E-01	µg/s	9.4E+00	g/yr	0.02070 lbs/yr				

10-100 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.014	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	31.62	µg/L =	0.0316	µg/cm^3	Geometric mean concentration between selected contours
L =	32	ft =	975.36	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	1.4E+00	µg/s	4.6E+01	g/yr	0.1003 lbs/yr

100-110 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.014	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	104.88	µg/L =	0.105	µg/cm^3	Geometric mean concentration between selected contours
L =	30	ft =	914.4	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	4.5E+00	µg/s	1.4E+02	g/yr	0.312 lbs/yr
mf_{sgw} =	6	µg/s	197	g/yr	0.4 lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.0197 µg/L

Appendix E

Evaluation of Potential Impact to River from Site Constituents in Groundwater Patchogue Former MGP Site Patchogue, New York

As described in the Third Quarter 2020 Groundwater Monitoring Report, some potentially MGP-related constituents were detected in the shallow groundwater (i.e., the upper ±18 feet) in the vicinity of the ISS mass during the first groundwater monitoring event following implementation of the site remedy. It is expected these constituents are a result of the short-term disturbance of the subsurface that occurred during implementation of the ISS and, their presence is temporary. Shallow groundwater generally flows from northwest to the south and southeast across the Site toward the Patchogue River (see Figure E-1 for a depiction of shallow groundwater flow). The concentrations of most of the constituents that were detected and potentially mobile in the dissolved phase in groundwater (benzene and ethylbenzene) were below surface water quality criteria listed in the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004) that are applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per 6 NYCRR Part 897). Therefore, they do not have the potential to impact the river. However, the concentration of six constituents (acenaphthene, benzo(a)anthracene, fluorene, naphthalene, phenanthrene and pyrene) were detected above their respective applicable surface water quality criteria in downgradient monitoring wells proximal to the river (MW-3 and MW-4S). Although it was not anticipated that these constituent concentrations would result in an impact to surface water quality if they discharged to the river, the following analysis was conducted to confirm this. The concentrations of acenaphthene and naphthalene in the September 2020 samples were similar (within the same order of magnitude) to those in the March and June 2020 samples. Since the estimated surface water concentrations of these two constituents based on the mass flux analysis using the March and June 2020 data were three orders of magnitude below applicable surface water criteria, an additional estimation of concentrations of these constituents in the river is not necessary. However, due to increased concentrations of benzo(a)anthracene, fluorene, phenanthrene and pyrene in MW-3, an additional analysis was conducted for these constituents.

An analysis was conducted to assess the potential for discharge of site-related constituents in shallow groundwater to impact water quality in the Patchogue River. The evaluation was conducted by estimating the rate at which a mass of site-related constituents, dissolved in groundwater, may be contributing to the surface water in the Patchogue River (i.e., the mass flux of constituents from groundwater to surface water). This approach is consistent with that described in the document entitled "Groundwater Remediation Strategies Tool" (American Petroleum Institute Publication 4730, December 2003). The equation for calculating the mass flux of a constituent is:

$$mf = \Sigma C_i q_i A_i$$

Where: mf = total mass flux of dissolved constituent from the source (µg/sec)

C_i = concentration of the constituent (µg/mL=µg/cm^3)

q_i = specific discharge through the flow area (cm/sec)

where: q_i=Ki, with K= hydraulic conductivity (cm/sec) and i=hydraulic gradient (cm/cm)

A_i = flow area perpendicular to flow (cm^2)

where: A_i=(L)(b), with L=width of constituent plume perpendicular to flow and b=plume thickness

In applying this evaluation to the Site, an estimate of mass flux of a constituent (in µg/sec) was calculated shallow groundwater. The mass flux for the shallow groundwater was calculated across a cross-sectional flow area positioned at the downgradient side of the former MGP site, aligned perpendicular to groundwater flow (which in this case is typically parallel or sub-parallel to the shore line). The vertical dimension of the flow area is equal to the plume thickness (b) within the shallow groundwater. The horizontal dimension of the flow area, L, is equal to the width of the constituent plume, which is based on the isoconcentration contours developed from the results of the September 2020 sampling event (see Figures E-2 through E-5). The concentration of site constituents in the Patchogue River resulting from groundwater discharge was estimated using the following equation:

$$C_R = mf_{sgw}/D_R$$

Where: C_R = Concentration of constituent in the river (µg/L)

mf_{sgw} = Mass flux to the river from shallow groundwater (µg/s)

D_R = Patchogue River volumetric flow (L/s)

To address some of the uncertainties in this evaluation, conservative assumptions were made in the above-described calculations which result in river water concentration estimates that are biased high. These assumptions are as follows:

- The hydraulic gradient (i) of groundwater is variable across the Site and thus, the highest hydraulic gradient value was used in the calculation. The larger the value of i, the greater the calculated value of mass flux.
- The plume thickness (b) was estimated conservatively by using the distance from the top of the water table to the top of the well screen of a deeper well at a well couplet, yet the actual plume thickness may be somewhat less, as site constituents were either not detected or detected at very low levels in the deeper wells positioned adjacent to the river. The larger the value of b, the greater the calculated value of mass flux.
- The river volumetric flow value used to calculate in river concentrations (11.2 ft^3/s or 317 L/s) was derived using a 7Q10 flow analysis (the lowest 7-day average flow that occurs, on average, once every 10 years) for the period April 1, 1958 through March 31, 1968 using data from a USGS river gauging station proximal the Site (USGS 01306000, Patchogue River at Patchogue New York). Thus, it was assumed for this estimate that the flow rate in the river is equal to that during periods of very low flow, and the lower the assumed river flow, the greater the estimated concentration in the river water. For comparison, the mean river flow rate at the same river gauging location using data from 1945 to 1976 is 20.4 ft^3/s (579 L/s). Table F-1 provides the data used to determine the 7Q10 flow in the Patchogue River. Attachment F-1 presents the data plotted on log probability paper and the resultant 7Q10 flow value.

To screen for potential impacts to the river, the estimated concentrations of benzo(a)anthracene, fluorene, phenanthrene and pyrene were developed using the above-described method and compared to the New York State Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998 with Addenda dated April 2000 and June 2004). Listed in the table below are standards and guidance values for benzo(a)anthracene, fluorene, phenanthrene and pyrene that are applicable to Class C Fresh Water (no standards have been developed for these compounds).

Class C Fresh Surface Water Standards and Guidance Values

Substance	Water Class (per 6NYCRR Part 701)	Standard (µg/l)	Guidance Value (µg/l)	Protection for:
Benzo(a)anthracene	A, A-S, AA, AA-S, B, C	--	0.03	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	0.23	Fish survival
Fluorene	A, A-S, AA, AA-S, B, C	--	0.54	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	4.8	Fish survival
Phenanthrene	A, A-S, AA, AA-S, B, C	--	5.0	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	45	Fish survival
Pyrene	A, A-S, AA, AA-S, B, C	--	4.6	Fish propagation
	A, A-S, AA, AA-S, B, C, D	--	42	Fish survival

Attachments E-2 through E-5 contain the calculations and results for each of these constituents. The estimated concentrations in the Patchogue River resulting from site groundwater impacts are as follows:

- Benzo(a)anthracene = 0.0008 µg/L
- Fluorene = 0.003 µg/L
- Phenanthrene = 0.001 µg/L
- Pyrene = 0.007 µg/L

These conservatively-estimated (i.e., biased high) concentrations are below the surface water standards and guidance values listed above, including the lowest standard applicable to Class C surface waters. Also, the estimated concentrations are below the analytical laboratory detection limits for these constituents. Based on the evaluation conducted, site-related constituents in shallow groundwater do not impact surface water quality in the Patchogue River.

Tables

TABLE E-1
SUMMARY OF DATA USED TO CALCULATE 7Q10 FLOW IN PATCHOGUE RIVER
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Water Year[(1)]	Low Flow (ft^3/s)	Rank	Probability
1961	20.1	1	0.091
1958	19.1	2	0.182
1960	16.9	3	0.273
1962	16.6	4	0.364
1959	16.0	5	0.455
1967	14.4	6	0.545
1964	13.6	7	0.636
1965	12.9	8	0.727
1963	12.4	9	0.818
1966	11.1	10	0.909

Notes:
(1) - 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through 3/31/1968.

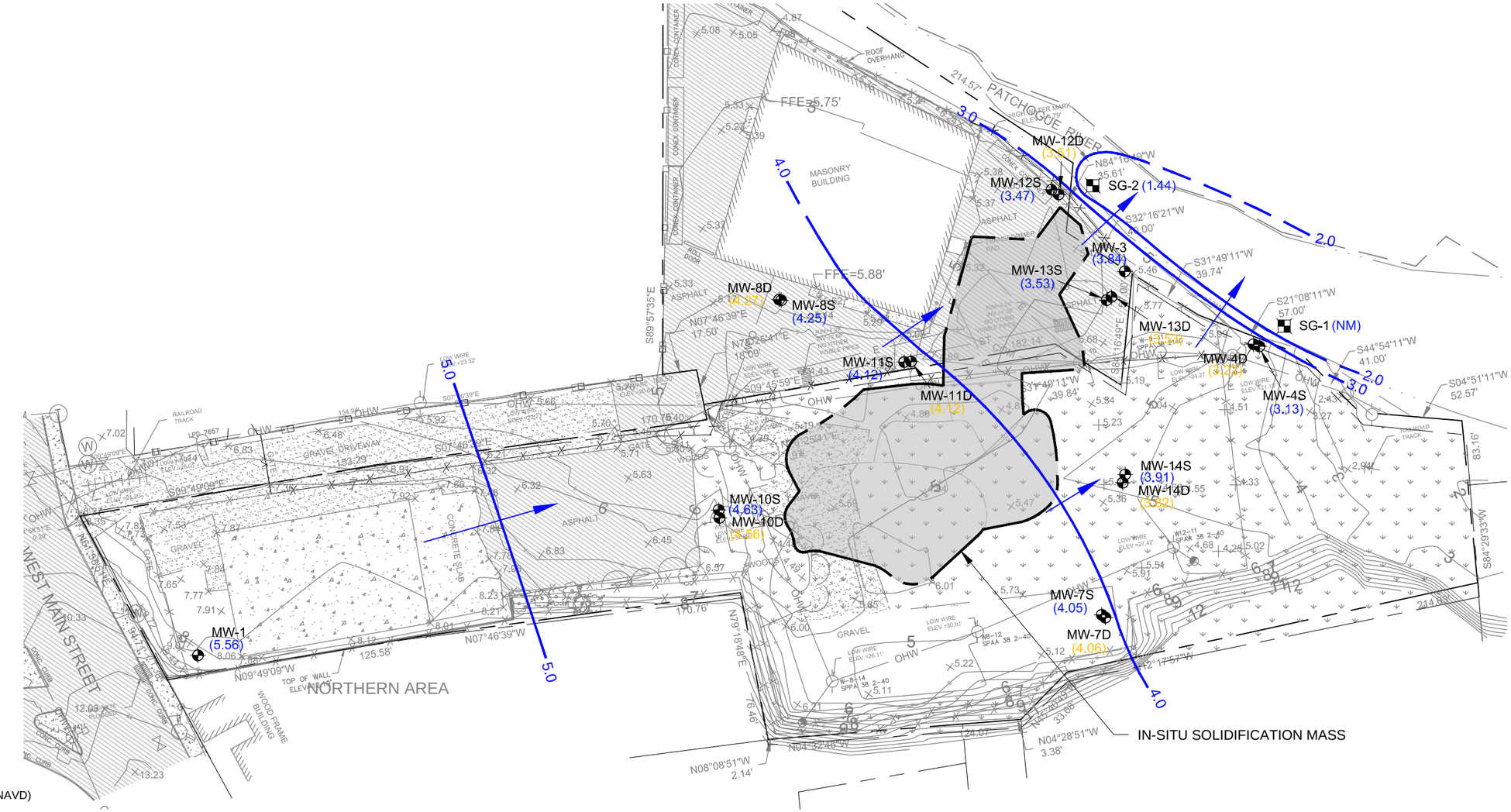
ft^3/s - cubic feet per second

Figures

Path: \\bcusrfp01\Projects\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-1-(Sept-2020) Plot Date: December 4, 2020 11:07 AM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET



LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- (4.30) — GROUNDWATER ELEVATION (FT., NAVD) FROM SHALLOW MONITORING WELL (SCREENED ACROSS OR CLOSE TO WATER TABLE) OR RIVER LEVEL FROM STAFF GAUGE (FT., NAVD).
- (4.34) — GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE NOT USED FOR CONTOURING.
- GENERALIZED DIRECTION OF GROUNDWATER FLOW

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: July 29, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP SEPTEMBER, 2020

FIGURE

E-1

Path: \\bcusrfp011\Projects\DRAFTING\NATIONAL_GRID\PatchoguetQuarterly-GW-Contour-Map File Name: FIG-E-2_Benzo(a)athracene-(Sept-2020) Plot Date: December 4, 2020 11:08 AM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) - SEPTEMBER 28, 2020 - DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- 2.4 — BENZO(a)ANTHRACENE CONCENTRATION IN GROUNDWATER (µg/L) - SEPTEMBER 2020
- ND — NOT DETECTED
- J — ESTIMATED CONCENTRATION
- 1 — ISOCONCENTRATION CONTOUR. LOGARITHMIC CONTOUR INTERVAL (µg/L).

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

LINE OF CROSS-SECTIONAL AREA FOR MASS FLUX ESTIMATE

IN-SITU SOLIDIFICATION MASS

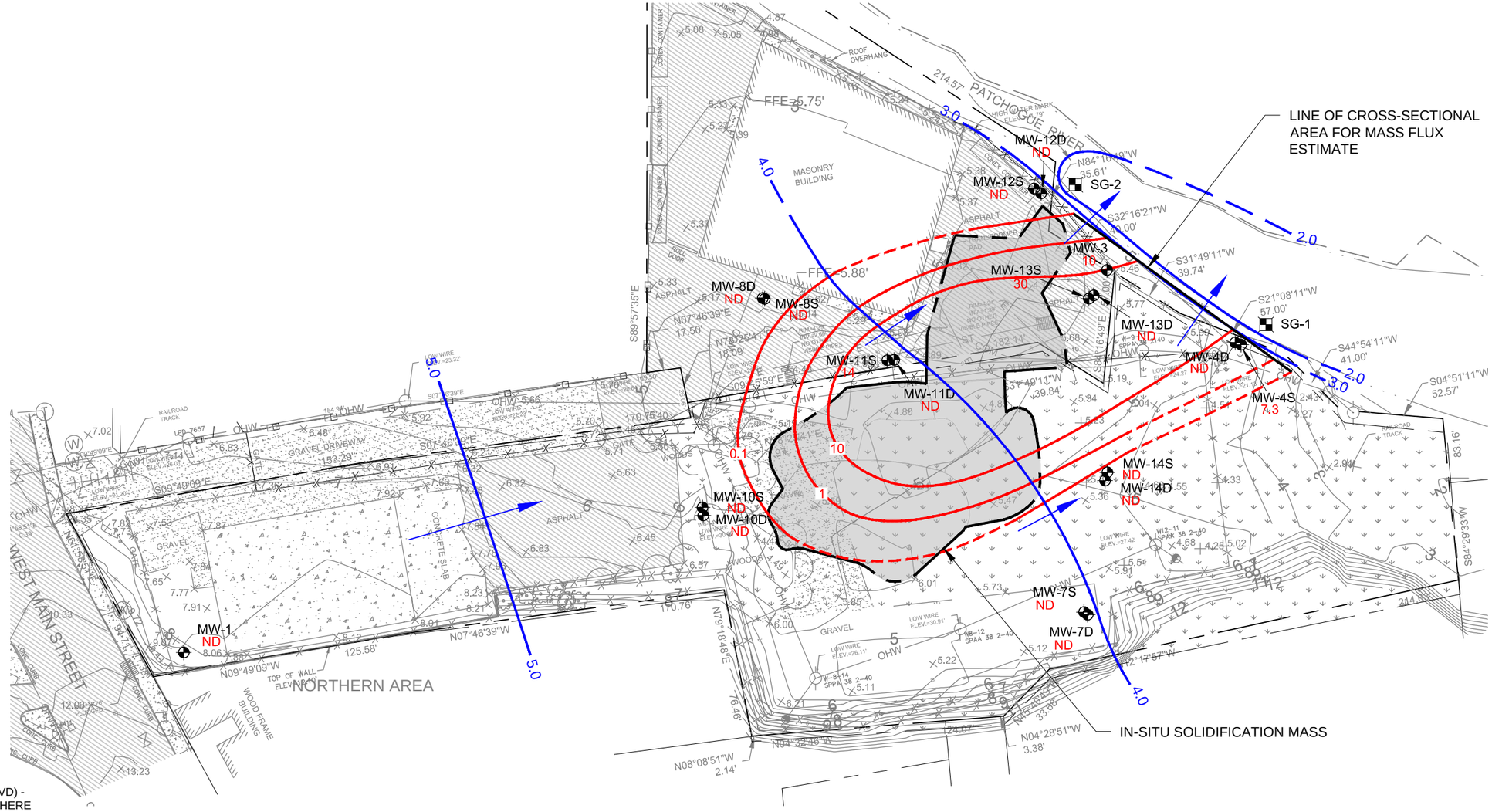
NORTHERN AREA

Brown AND Caldwell	SCALE: 1" = 60' 153021 DATE: November 17, 2020	NATIONAL GRID PATCHOGUE FORMER MGP SITE VILLAGE OF PATCHOGUE, NEW YORK	BENZO(a)ANTHRACENE IN GROUNDWATER (µg/L) SEPTEMBER 2020	FIGURE E-2

Path: \\bcusrfp01\Projects\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-E-3_Fluorene-(Sept-2020) Plot Date: December 4, 2020 11:10 AM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET



LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) - SEPTEMBER 28, 2020 - DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- 10 — FLUORENE CONCENTRATION IN GROUNDWATER (µg/L) - SEPTEMBER 2020
- ND — NOT DETECTED
- 10 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L).

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: November 17, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

FLUORENE IN GROUNDWATER (µg/L) SEPTEMBER 2020

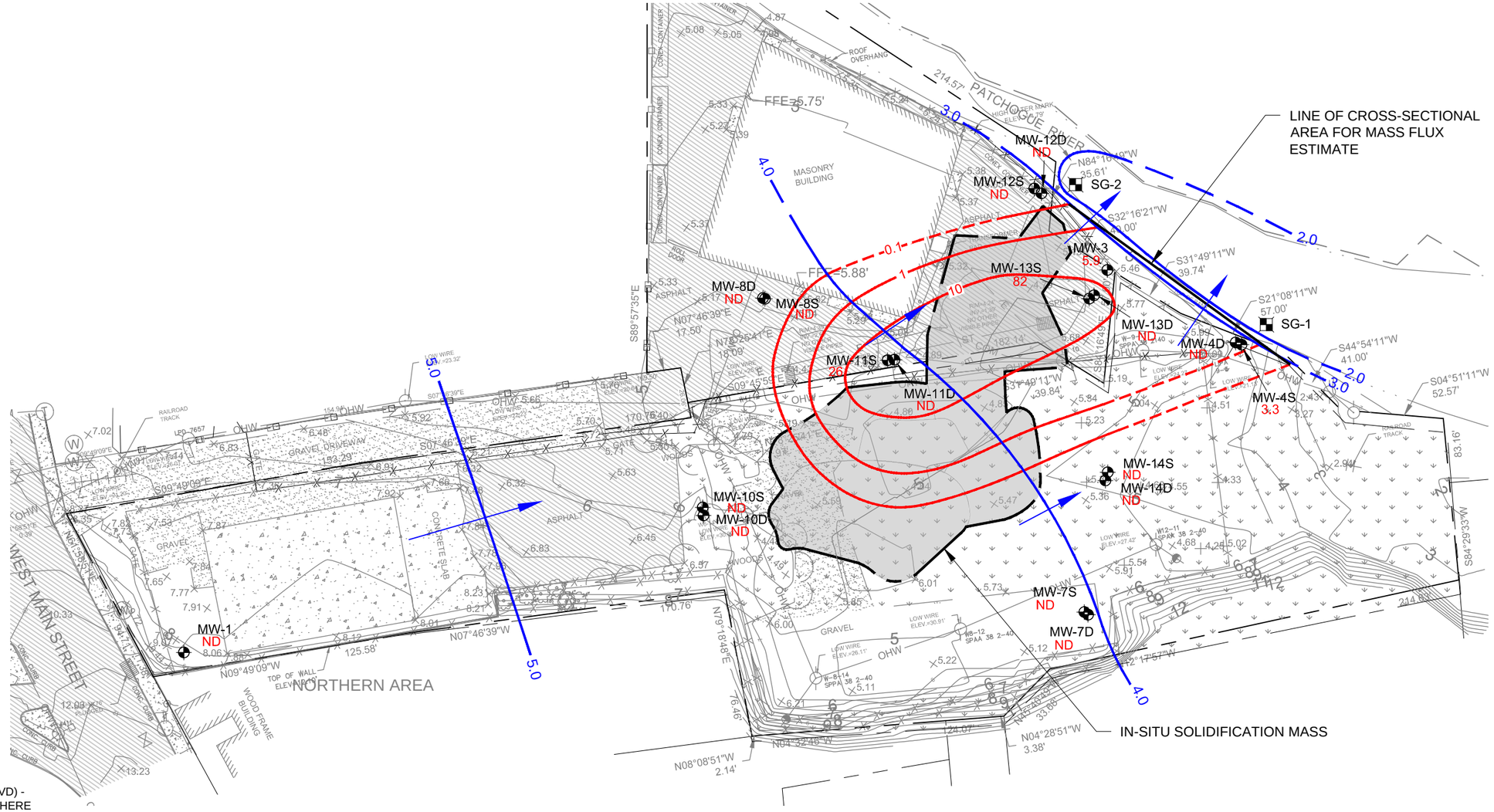
FIGURE

E-3

Path: \\bcusrfp01\Projects\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-E-4_Phenanthrene-(Sept-2020) Plot Date: December 4, 2020 11:11 AM Cadd User: Alan Santia

0 60 120

SCALE IN FEET



LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) - SEPTEMBER 28, 2020 - DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- 5.9 — PHENANTHRENE CONCENTRATION IN GROUNDWATER (µg/L) - SEPTEMBER 2020
- ND — NOT DETECTED
- 10 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L).

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: November 17, 2020

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

PHENANTHRENE IN GROUNDWATER (µg/L) SEPTEMBER 2020

FIGURE

E-4

Path: \\bcusrfp01\Projects\DRAFTING\NATIONAL_GRID\Patchogue\Quarterly-GW-Contour-Map File Name: FIG-E-5_Pyrene-(Sept-2020) Plot Date: December 4, 2020 11:13 AM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LEGEND:

- PROPERTY LINE
- FENCE
- TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) - SEPTEMBER 28, 2020 - DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- 17 — PYRENE CONCENTRATION IN GROUNDWATER (µg/L) - SEPTEMBER 2020
- ND — NOT DETECTED
- 10 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L).

NOTES:

1. BASE MAP INFORMATION OBTAINED FROM TETRA TECH EC, INC. DRAWING ENTITLED "CONCEPTUAL SITE MODEL", DATED DECEMBER 17, 2008.

LINE OF CROSS-SECTIONAL AREA FOR MASS FLUX ESTIMATE

IN-SITU SOLIDIFICATION MASS

NORTHERN AREA

Brown AND Caldwell	SCALE: 1" = 60' 153021 DATE: November 17, 2020	NATIONAL GRID PATCHOGUE FORMER MGP SITE VILLAGE OF PATCHOGUE, NEW YORK	PYRENE IN GROUNDWATER (µg/L) SEPTEMBER 2020	FIGURE E-5

Attachments

probability x 2 log cycles

RECURRENCE INTERVAL (yrs)

1.1 2 5 10

99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

11.2 ft³/s

YEARLY 7 CONSECUTIVE DAY FLOW (ft³/s)

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99

PROBABILITY OF LARGER FLOW (%)

ATTACHMENT E-2
MASS FLUX CALCULATIONS - BENZO(A)ANTHRACENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Benzon(a)anthracene (September 2020) **Figure No.** See Figure E-2

mf = kiA * C
Where:
mf = mass flux, µg/s
k = hydraulic conductivity, cm/s
I = hydraulic gradient, dimensionless
A = cross-sectional area, $cm^{2\ (L * b)}$
C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

0.1-1 Contour

						Contour Interval		Segment Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	0.1			
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours				
C=	0.316227766	µg/L =	0.000316228	µg/cm^3	Geometric mean concentration between selected contours	1	0.32	34	18
L =	34	ft =	1036.32	cm	Length of segment between selected contours [C]	4.8	2.19	80	18
b =	18	ft =	548.64	cm	Saturated thickness				
mf =	1.4E-02	µg/s	4.5E-01	g/yr	0.00099 lbs/yr				

1-4.8 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	2.19	µg/L =	0.00219089	µg/cm^3	Geometric mean concentration between selected contours
L =	80	ft =	2438.4	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	2.3E-01	µg/s	7.3E+00	g/yr	0.0161 lbs/yr
mf_{sgw} =	0.25	µg/s	7.8	g/yr	0.017 lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.0008 µg/L

ATTACHMENT E-3
MASS FLUX CALCULATIONS - FLUORENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Fluorene (September 2020) **Figure No.** See Figure E-3

mf = kiA * C
Where:
mf = mass flux, µg/s
k = hydraulic conductivity, cm/s
I = hydraulic gradient, dimensionless
A = cross-sectional area, $cm^{2\,(L * b)}$
C = (µg/L)/1000=$µg/cm^3$

Shallow Groundwater Flux

0.1-1 Contour

						Contour Interval	Geomean	Segment Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	0.1			
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	1	0.32	32	18
C=	0.316227766	µg/L =	0.000316228	$µg/cm^3$	Geometric mean concentration between selected contours	10	3.16	46	18
L =	32	ft =	975.36	cm	Length of segment between selected contours [C]	10	10.00	60	18
b =	18	ft =	548.64	cm	Saturated thickness				
mf =	1.3E-02	µg/s	4.2E-01	g/yr	0.00093 lbs/yr				

1-10 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	3.16	µg/L =	0.003162278	$µg/cm^3$	Geometric mean concentration between selected contours
L =	46	ft =	1402.08	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	1.9E-01	µg/s	6.1E+00	g/yr	0.0134 lbs/yr

10-10 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	10.00	µg/L =	0.01	$µg/cm^3$	Geometric mean concentration between selected contours
L =	60	ft =	1828.8	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	8.0E-01	µg/s	2.5E+01	g/yr	0.0552 lbs/yr
mf_{sgw} =	1.0	µg/s	32	g/yr	0.070 lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.003 µg/L

ATTACHMENT E-4
MASS FLUX CALCULATIONS - PHENANTHRENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Phenanthrene (September 2020) **Figure No.** See Figure E-4

mf = kiA * C
Where:
mf = mass flux, µg/s
k = hydraulic conductivity, cm/s
I = hydraulic gradient, dimensionless
A = cross-sectional area, $cm^{2\,(L * b)}$
C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

0.1-1 Contour

						Contour Interval	Geomean	Segment Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	0.1			
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	1	0.32	38	18
C=	0.316227766	µg/L =	0.000316228	µg/cm^3	Geometric mean concentration between selected contours	5.9	2.43	107	18
L =	38	ft =	1158.24	cm	Length of segment between selected contours [C]				
b =	18	ft =	548.64	cm	Saturated thickness				
mf =	1.6E-02	µg/s	5.0E-01	g/yr	0.00111 lbs/yr				

1-5.9 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	2.43	µg/L =	0.002428992	µg/cm^3	Geometric mean concentration between selected contours
L =	107	ft =	3261.36	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	3.4E-01	µg/s	1.1E+01	g/yr	0.0239 lbs/yr
mf_{sgw} =	0.36	µg/s	11	g/yr	0.025 lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.001 µg/L

ATTACHMENT E-5
MASS FLUX CALCULATIONS - PYRENE
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

Pyrene (September 2020) **Figure No.** See Figure E-5

$mf = kiA * C$

Where:
- mf = mass flux, µg/s
- k = hydraulic conductivity, cm/s
- I = hydraulic gradient, dimensionless
- A = cross-sectional area, $cm^{2\,(L * b)}$
- C = $(\mu g/L)/1000 = \mu g/cm^3$

Shallow Groundwater Flux

0.1-1 Contour

							Contour Interval	Geomean	Segment Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells		0.1			
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours		1	0.32	19	18
C=	0.316227766	µg/L =	0.000316228	$\mu g/cm^3$	Geometric mean concentration between selected contours		10	3.16	45	18
L =	19	ft =	579.12	cm	Length of segment between selected contours [C]		35	18.71	85	18
b =	18	ft =	548.64	cm	Saturated thickness					
mf =	8.0E-03	µg/s	2.5E-01	g/yr	0.00055	lbs/yr				

1-10 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	
C=	3.16	µg/L =	0.003162278	$\mu g/cm^3$	Geometric mean concentration between selected contours	
L =	45	ft =	1371.6	cm	Length of segment between selected contours [C]	
b =	18	ft =	548.64	cm	Saturated thickness	
mf =	1.9E-01	µg/s	6.0E+00	g/yr	0.0131	lbs/yr

1-35 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	
i =	0.013	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	
C=	18.71	µg/L =	0.018708287	$\mu g/cm^3$	Geometric mean concentration between selected contours	
L =	85	ft =	2590.8	cm	Length of segment between selected contours [C]	
b =	18	ft =	548.64	cm	Saturated thickness	
mf =	2.1E+00	µg/s	6.7E+01	g/yr	0.1464	lbs/yr
mf_{sgw} =	2.3	µg/s	73	g/yr	0.16	lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
- D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
- mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 0.007 µg/L

Appendix G: Evaluation of Potential Impact to River from Increased pH Levels in Groundwater – December 2020 Data

Appendix G

Evaluation of Potential Impact to River from Increased pH Levels in Groundwater
Patchogue Former MGP Site
Patchogue, New York

As described in the Fourth Quarter 2020 Groundwater Monitoring Report, elevated pH levels were measured in the shallow groundwater (i.e., the upper ±18 feet) in the vicinity of the ISS mass during the December 2020 groundwater sampling activities. The increased pH levels are considered a potential effect from implementation of ISS in the area and it is anticipated that the pH will decrease to pre-remedy levels with time (i.e., as ISS mass continues to fully cure). Shallow groundwater generally flows from northwest to the south and southeast across the Site toward the Patchogue River (see Figure G-1 for a depiction of shallow groundwater flow).

The pH levels measured at MW-3 and MW-13S in December 2020 were 10.46 and 9.60, respectively, which is above the acceptable range for pH levels applicable to the Patchogue River (the portion of the Patchogue River proximal to the Site is classified as a Class C water body per 6 NYCRR Part 897). In accordance with 6 NYCRR Part 703.3, pH shall not be less than 6.5 nor more than 8.5 in Class C water bodies. Although it was not anticipated that the increased pH levels would result in an impact to surface water quality if they discharged to the river, the following analysis was conducted to confirm this.

An analysis was conducted to assess the potential for discharge of shallow groundwater with elevated pH levels to impact water quality in the Patchogue River. The evaluation was conducted by estimating the rate at which a mass of hydroxide (OH^-), dissolved in groundwater, may be contributing to the surface water in the Patchogue River (i.e., the mass flux of hydroxide from groundwater to surface water). This approach is consistent with that described in the document entitled "Groundwater Remediation Strategies Tool" (American Petroleum Institute Publication 4730, December 2003). The equation for calculating the mass flux of a constituent is:

$$mf = \Sigma\, C_i q_i A_i$$

Where: mf = total mass flux of dissolved hydroxide from the source (µg/sec)

C_i = concentration of the hydroxide ion (µg/mL=µg/cm^3)

q_i = specific discharge through the flow area (cm/sec)

where: q_i=Ki, with K= hydraulic conductivity (cm/sec) and i=hydraulic gradient (cm/cm)

A_i = flow area perpendicular to flow (cm^2)

where: A_i=(L)(b), with L=width of constituent plume perpendicular to flow and b=plume thickness

In applying this evaluation to the Site, an estimate of the mass flux of hydroxide (in µg/sec) was calculated for shallow groundwater. The mass flux for the shallow groundwater was calculated across a cross-sectional flow area positioned at the downgradient side of the former MGP site, aligned perpendicular to groundwater flow (which in this case is typically parallel or sub-parallel to the shore line). The vertical dimension of the flow area is equal to the plume thickness (b) within the shallow

groundwater. The horizontal dimension of the flow area, L, is equal to the width of the hydroxide plume, which is based on the isoconcentration contours developed from the results of the December 2020 sampling event (see Figure G-2). The concentration of hydroxide in the Patchogue River resulting from groundwater discharge was estimated using the following equation:

$$C_R = mf_{sgw}/D_R$$

Where: C_R = Concentration of hydroxide in the river (µg/L)

mf_{sgw} = Mass flux to the river from shallow groundwater (µg/s)

D_R = Patchogue River volumetric flow (L/s)

To address some of the uncertainties in this evaluation, conservative assumptions were made in the above-described calculations which result in river water concentration estimates that are biased high. These assumptions are as follows:

- The hydraulic gradient (i) of groundwater is variable across the Site and thus, the highest hydraulic gradient value was used in the calculation. The larger the value of i, the greater the calculated value of mass flux.
- The plume thickness (b) was estimated conservatively by using the distance from the top of the water table to the top of the well screen of a deeper well at a well couplet, yet the actual plume thickness may be somewhat less, as site constituents were either not detected or detected at very low levels in the deeper wells positioned adjacent to the river. The larger the value of b, the greater the calculated value of mass flux.
- The river volumetric flow value used to calculate in river concentrations (11.2 ft^3/s or 317 L/s) was derived using a 7Q10 flow analysis (the lowest 7-day average flow that occurs, on average, once every 10 years) for the period April 1, 1958 through March 31, 1968 using data from a USGS river gauging station proximal the Site (USGS 01306000, Patchogue River at Patchogue New York). Thus, it was assumed for this estimate that the flow rate in the river is equal to that during periods of very low flow, and the lower the assumed river flow, the greater the estimated concentration in the river water. For comparison, the mean river flow rate at the same river gauging location using data from 1945 to 1976 is 20.4 ft^3/s (579 L/s). Table G-1 provides the data used to determine the 7Q10 flow in the Patchogue River. Attachment G-1 presents the data plotted on log probability paper and the resultant 7Q10 flow value.
- The mass flux estimate assumes that there is no pH buffering capacity in the river water; the buffering capacity would resist change to pH in the river water due to contributions of higher pH groundwater.

To screen for potential impacts to the river, the estimated concentration of hydroxide was calculated using the above-described method and then converted back to pH to compare to water quality standards for pH per NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations. Attachment G-2 contains the calculations and results for the analysis performed. The estimated concentration of hydroxide in the Patchogue River resulting from site groundwater impacts is 3.67 µg/L, which equates to a pH level of 7.45. For comparison, water quality data was obtained from a USGS river gauging station proximal to the Site (USGS 01306000, Patchogue River at Patchogue New York) for the period May 6, 1966 to August 12, 1996; pH levels measured at this station during this period ranged from 5.3 to 8.4 and had a median of 6.8. This median pH value was accounted for in the mass flux estimate. Specifically, the median pH of 6.8 in the Patchogue River, which equates to a hydroxide ion concentration of 1.07 µg/L was added to the estimated hydroxide ion concentration in the river contributed by site groundwater to reflect hydroxide conditions already present in the surface water. The conservatively-estimated (i.e., biased high) pH level of 7.45 is above the median level measured in

the river, which may be a result of the increased pH levels in shallow groundwater adjacent to the river; however, it is within the acceptable range for pH levels in Class C water bodies in accordance with 6 NYCRR Part 703.3 (i.e., pH shall not be less than 6.5 nor more than 8.5). Based on the evaluation conducted, the increased pH levels in shallow groundwater do not impact surface water quality in the Patchogue River.

Tables

TABLE G-1
SUMMARY OF DATA USED TO CALCULATE 7Q10 FLOW IN PATCHOGUE RIVER
PATCHOGUE FORMER MGP SITE
PATCHOGUE, NEW YORK

Water Year[(1)]	Low Flow (ft^3/s)	Rank	Probability
1961	20.1	1	0.091
1958	19.1	2	0.182
1960	16.9	3	0.273
1962	16.6	4	0.364
1959	16.0	5	0.455
1967	14.4	6	0.545
1964	13.6	7	0.636
1965	12.9	8	0.727
1963	12.4	9	0.818
1966	11.1	10	0.909

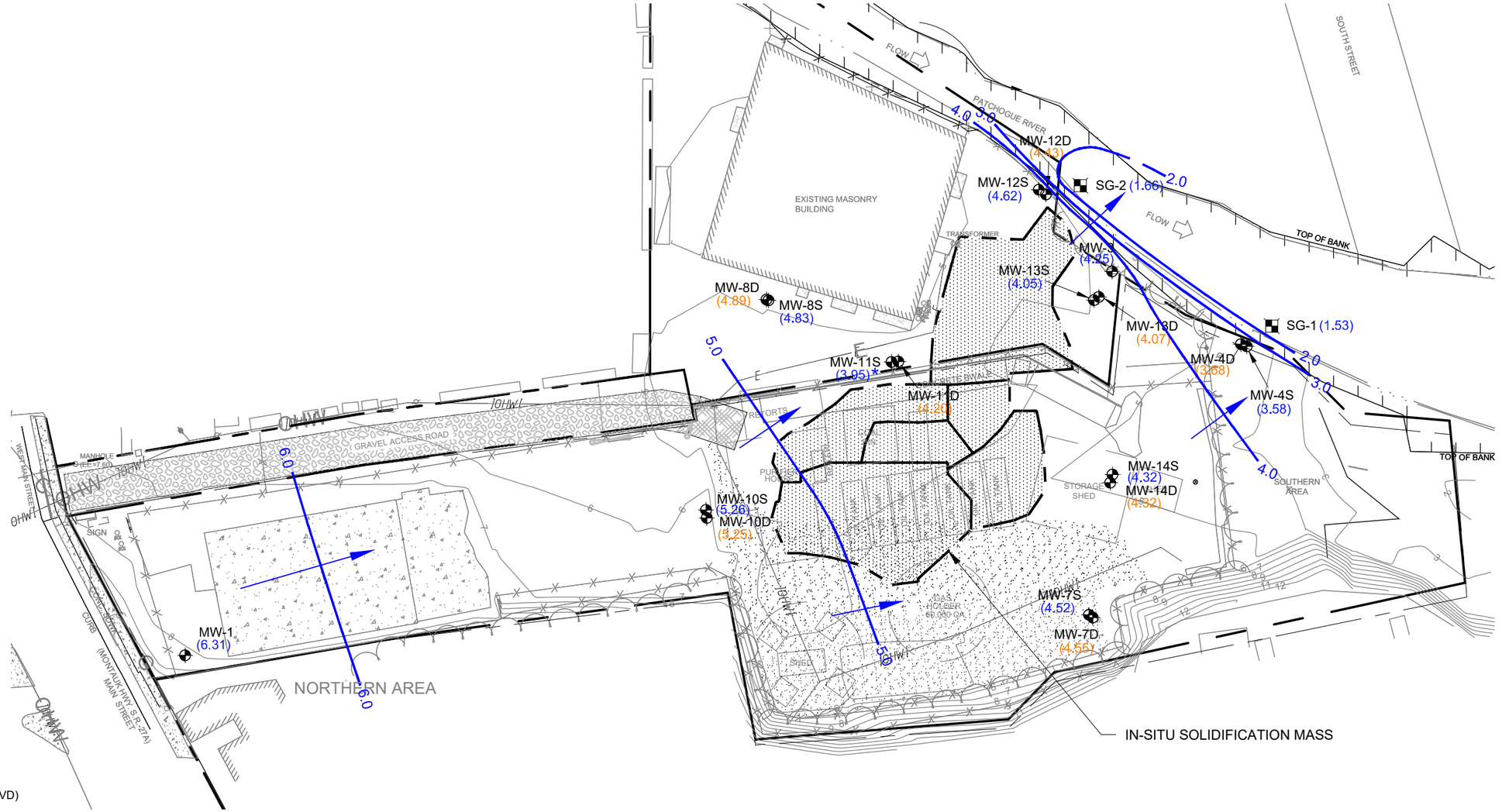
Notes:
(1) - 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through 3/31/1968.

ft^3/s - cubic feet per second

Figures

0 60 120

SCALE IN FEET



LEGEND:

- PROPERTY LINE
- FENCE
- 10 — TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- (4.30) — GROUNDWATER ELEVATION (FT., NAVD) FROM SHALLOW MONITORING WELL (SCREENED ACROSS OR CLOSE TO WATER TABLE) OR RIVER LEVEL FROM STAFF GAUGE (FT., NAVD).
- (4.34) — GROUNDWATER ELEVATION (FT., NAVD) FROM DEEP MONITORING WELL (SCREENED BELOW WATER TABLE). VALUE NOT USED FOR CONTOURING.
- GENERALIZED DIRECTION OF GROUNDWATER FLOW

Brown AND Caldwell

SCALE: 1" = 60'

153021

DATE: February 2021

NATIONAL GRID
PATCHOGUE FORMER MGP SITE
VILLAGE OF PATCHOGUE, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP
DECEMBER 28, 2020

FIGURE

G-1

Path: C:\users\asantiagolbcpw\d0901435 File Name: FIG-1-(GW_Contours_December-2020) Plot Date: February 5, 2021 4:04 PM Cadd User: Alan Santiago

0 60 120

SCALE IN FEET

LINE OF CROSS-SECTIONAL AREA USED FOR MASS FLUX ESTIMATE

IN-SITU SOLIDIFICATION MASS

NORTHERN AREA

SOUTHERN AREA

LEGEND:

- PROPERTY LINE
- FENCE
- 10 — TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- STAFF GAGE LOCATION
- 10 — ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED). LOGARITHMIC CONTOUR INTERVAL (µg/L) - DECEMBER 2020
- 0.65 — HYDROXIDE CONCENTRATION IN GROUNDWATER (µg/L) - DECEMBER 2020
- 4.0 — WATER TABLE CONTOUR (FT., NAVD) DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW

Brown AND Caldwell	SCALE: 1" = 60' 153021 DATE: January 2021	NATIONAL GRID PATCHOGUE FORMER MGP SITE VILLAGE OF PATCHOGUE, NEW YORK	HYDROXIDE(OH-) IN GROUNDWATER (µg/L) DECEMBER, 2020	FIGURE G-2

Path: C:\users\asantiago\bcpw\d09901435 File Name: Hydroxide(OH-)_December2020 Plot Date: February 9, 2021 12:33 PM Cadd User: Alan Santiago

Attachments

probability x 2 log cycles

RECURRENCE INTERVAL (yrs)

1.1 2 5 10

99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

11.2 ft³/s

YEARLY 7 CONSECUTIVE DAY FLOW (ft³/s)

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99

PROBABILITY OF LARGER FLOW (%)

ATTACHMENT G-2
MASS FLUX CALCULATIONS - pH
PATCHOGUE RIVER

Mass Flux Calculation
Enter site data in yellow highlighted cells

pH (December 2020) **Figure No.** See Figure G-2

mf = kiA * C
Where: mf = mass flux, µg/s
k = hydraulic conductivity, cm/s
I = hydraulic gradient, dimensionless
A = cross-sectional area, $cm^{2\,(L * b)}$
C = (µg/L)/1000=µg/cm^3

Shallow Groundwater Flux

10-100 Contour

						Contour Interval	Geomean	Segment Length	Thickness
k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells	10			
i =	0.15	hydraulic gradient, dimensionless			Measured in vicinity of selected contours	100	31.62	23	18
C=	31.6227766	µg/L =	0.031622777	µg/cm^3	Geometric mean concentration between selected contours	1000	316.23	63	18
L =	23	ft =	701.04	cm	Length of segment between selected contours [C]	4905	2214.72	25	18
b =	18	ft =	548.64	cm	Saturated thickness				
mf =	1.1E+01	µg/s	3.5E+02	g/yr	0.77275 lbs/yr				

100-1000 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.15	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	316.23	µg/L =	0.316227766	µg/cm^3	Geometric mean concentration between selected contours
L =	63	ft =	1920.24	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	3.1E+02	µg/s	9.6E+03	g/yr	21.1665 lbs/yr

1000-4905 Contour

k =	6.1E-03	hydraulic conductivity, cm/s			Geometric mean of PDI slug tests for shallow water table wells
i =	0.15	hydraulic gradient, dimensionless			Measured in vicinity of selected contours
C=	2214.72	µg/L =	2.214723459	µg/cm^3	Geometric mean concentration between selected contours
L =	25	ft =	762	cm	Length of segment between selected contours [C]
b =	18	ft =	548.64	cm	Saturated thickness
mf =	8.5E+02	µg/s	2.7E+04	g/yr	58.8258 lbs/yr
mf_{sgw} =	1164.11	µg/s	36711.4	g/yr	80.765 lbs/yr

River Concentration

$$C_R = \frac{mf_{sgw}}{D_R}$$

Where:
D_R = Patchogue River flow, L/s — 11.2 — 7Q10 flow (ft^3/s) calculated using data from a USGS river gauging station (USGS 01306000 PATCHOGUE RIVER AT PATCHOGUE NY), for period 4/1/1958 through
mf_{sgw} = Shallow groundwater flux — See above

D_R = 11.2 ft^3/s = 317 L/s

C_R = 4.74 µg/L
Note - Value is based on hydroxide ion (OH^-) from groundwater discharge plus ambient OH^- in river (1.07 µg/L).

pH_R = 7.45 std. units